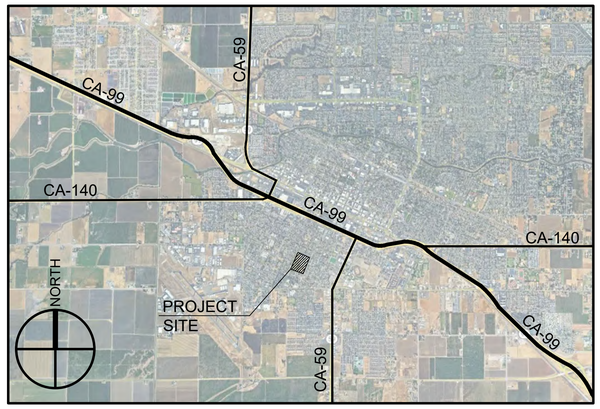
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATIONS

760 W 8TH STREET
MERCED, CA 95341



VICINITY MAP



LOCATION MAP

GENERAL NOTES

1. CONSTRUCTION DOCUMENTS DESCRIBE THE PRODUCTS, SYSTEMS, QUANTITIES, CONFIGURATION, AND PERFORMANCE SPECIFICATIONS THAT DELIVER THE OVERALL DESIGN INTENT OF THE PROJECT.
2. THE CONSTRUCTION DOCUMENT DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY, AND WHAT IS REQUIRED BY ONE SHALL BE AS BINDING AS IF REQUIRED BY BOTH.
3. PERFORMANCE BY THE CONSTRUCTION TEAM SHALL BE CONSISTENT WITH THE CONSTRUCTION DRAWINGS AND SPECIFICATIONS AS NECESSARY TO DELIVER THE INDICATED RESULTS OF THE DESIGN INTENT.
4. VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.
5. ALL MATERIAL AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
6. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
7. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
8. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
9. DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.
10. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITIONS.
11. PRIOR TO START OF WORK THE CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN THE REQUIREMENTS OF ALL DRAWINGS AND SPECIFICATIONS IN ORDER THAT ALL ITEMS SATISFACTORILY RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARD ANY ITEMS THAT CANNOT BE COORDINATED.
12. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ARCHITECT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFE
13. CHANGES TO THE APPROVED DRAWINGS AND/OR SPECIFICATIONS SHALL BE MADE BY ADDENDA OR A CHANGE ORDER.
14. CUTTING, BORING, SAWCUTTING OR DRILLING THROUGH THE EXISTING OR NEW STRUCUTRAL ELEMENTS SHALL NOT BE STARTED UNTIL THE DETAILS HAVE BEEN REVIEWED AND APPROVED BY THE ARCHITECT, AND STRUCTURAL ENGINEER OF RECORD.
15. ALL WORK SHALL CONFORM TO 2022 EDITION TITLE 24, CALIFORNIA CODE OF REGULATION (CCR).
16. THE LIMIT OF WORK LINE SHOWS THESE DRAWINGS IS AN APPROXIMATE LIMIT OF WORK ONLY. REFER TO CONSULTANT DRAWINGS FOR ADDITIONAL WORK, INCLUDING BUT NOT LIMITED TO INSTALLATION OF CONDUITS, MANHOLES, PULL BOXES, ETC. WHICH ARE TO BE PART OF THIS WORK, ALTHOUGH OCCURRING OUTSIDE OF SHOWN LIMIT OF WORK LINES.
17. FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA,.
18. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24 CCR.
19. A "DSA CERTIFIED" PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR. INSPECTOR TO BE CLASS 1.
20. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT. THE REPORTS SHALL BE SUBMITTED TO ARCHITECT OF RECORD, STRUCTURAL ENGINEER OF RECORD, OWNER, INSPECTOR OF RECORD, AND THE DSA FIELD ENGINEER. THE REPORTS OF ANY FAILURES OF TESTS AND INSPECTIONS ARE TO BE SUBMITTED TO DSA DISTRICT STRUCTURAL ENGINEER.
21. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
22. SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CFC CHAPTER 33.
23. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITION, OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317 (C), PART 1, TITLE 24, CCR)
24. NO DUMPING OR PLACING OF ANY DIRT OR DEBRIS SHALL BE ALLOWED OUTSIDE OF THE CONTRACTORS LIMIT OF WORK AREA.
25. SAFETY DURING DEMOLITION AND CONSTRUCTION MUST COMPLY WITH CFC CHAPTER 33.
26. ALL CONSTRUCTION AND DEMOLITION SHALL BE IN ACCORDANCE WITH CHAPTER 33 OF THE CBC AND CFC, AND THE WRITTEN SITE SAFETY PLAN.

BASE BID SCOPE OF WORK

- NEW PERIMETER FENCE AND GATES
- NEW ASPHALT PATHWAYS
- NEW CONCRETE PAVING AREAS
- TWO NEW BASEBALL FIELDS
- TWO NEW SOFTBALL FIELDS
- 3 NEW BALL FIELD BACKSTOPS
  - a. INCLUDES: DUGOUT, BULLPEN AND CHAIN LINK FENCING.
- ONE NEW 8-LANE TRACK AND ADDITIONAL TRACK EVENTS:
  - a. LONG JUMP
  - b. HIGH JUMP
  - c. DISCUS
  - d. SHOT PUT
- TWO NEW SOCCER FIELDS
- RESURFACE OF EXISTING SPORTS COURT AREA
  - a. SPORTS COURT AREA WILL INCLUDE: 3 PICKLEBALL COURTS, 2 VOLLEYBALL COURTS, 4 FULL BASKETBALL COURTS, AND 1 HALF BASKETBALL COURT.
- ONE NEW OUTDOOR FITNESS AREA
- INSTALLATION OF LOW LEVEL LIGHT POLES AND SECURITY CAMERA POLE
- INSTALLATION OF DRINKING FOUNTAIN AND BOTTLE FILLER
- INSTALLATION OF NEW ENCLOSURES AT:
  - a. BACKFLOW PREVENTION DEVICE AREA
  - b. ELECTRICAL EQUIPMENT AREA
- NEW IRRIGATION SYSTEM
- NEW TURF AND PLANTING AREAS.
- NEW UNDERGROUND DRAINAGE SYSTEM

ADD-ALTERNATE BID ITEMS

ADD-ALTERNATE #1:
- NOT INCLUDED.

ADD-ALTERNATE #2:
- INSTALLATION OF SPORTS FIELD LIGHT POLES.
- REPLACE THREE (3) LOW-LEVEL LIGHT POLE DOCUMENTED IN BASE BID PLANS.

ADD-ALTERNATE #3:
- INSTALLATION OF IRRIGATION IMPROVEMENTS ALONG STREETSCAPE (ALONG W. 8TH STREET, N STREET, W. 5TH STREET, P STREET).
- NEW TURF AT TRENCHING AREAS FOR IRRIGATION IMPROVEMENTS.

ADD-ALTERNATE #4:
- INSTALLATION OF ACRYLIC SURFACING AT SPORTS COURT.

PARTIAL LIST OF APPLICABLE CODES

- 2025 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
- 2025 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24, CCR
- 2025 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
- 2025 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
- 2025 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
- 2025 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
- 2025 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
- 2025 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
- TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

DEFERRED SUBMITTAL

- NONE

ABBREVIATIONS

BMP	BEST MANAGEMENT PRACTICES
CB	CATCH BASIN
DIA	DIAMETER
FG	FINISH GRADE
FS	FINISH SURFACE
FSG	FINISH SUBGRADE
GB	GRADE BREAK
HP	HIGH POINT
INV	INVERT
MAX	MAXIMUM
MIN	MINIMUM
NIC	NOT IN CONTRACT
NO	NUMBER
OC	ON CENTER
OD	OUTER DIAMETER
PIP	POURED IN PLACE
PP	PERFORATED PIPE
PPI	PERFORATED PIPE INVERT
R	RIDGE LINE
RE	RIM ELEVATION
SAD	SEE ARCHITECTURAL DRAWINGS
SBR	STYRENE BUTADIENE RUBBER
SCD	SEE CIVIL DRAWINGS
SED	SEE ELECTRICAL DRAWINGS
SQ	SQUARE
SWL	SWALE
TC	TOP OF CURB
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
VIF	VERIFY IN FIELD

IR A-18

USE OF CONSTRUCTION DOCUMENTS PREPARED BY OTHER DESIGN PROFESSIONALS

APPENDIX A: EXAMPLE STATEMENT OF GENERAL CONFORMANCE FOR DPGRC

STATEMENT OF GENERAL CONFORMANCE

Application No.: _____

File No.: _____

The drawings identified as follows:

☒ All drawing sheets included in this set not bearing my stamp and signature.

☐ Drawing sheets denoted in the sheet index as follows: _____

☐ Drawing sheets included under the following PC approval(s): _____

have been prepared by other design professionals or consultants who are licensed and authorized to prepare such drawings (plans) in this state. They have been examined by me for:

1) Design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and
2) Coordination with my drawings (plans) and specifications and are acceptable for incorporation into the construction of this project.

Per Title 24, Part 1, Section 4-316(b): This Statement of General Conformance shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344 of Title 24, Part 1.

Signature		Date
May 5, 2026		
Kevin Morton	S5181	September 20, 2026
Printed Name	License Number	Expiration Date

IR A-18 (Revised 08/27/24) Page 7 of 8
DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA

PROJECT TEAM

CLIENT:
MERCED CITY SCHOOL DISTRICT
2105 WARDROBE AVE
MERCED, CA 95341
CONTACT: BRYAN BEHN
PHONE: 209-385-6343
EMAIL: BBEHN@MCSD.K12.CA.US

LANDSCAPE:
TANAKA DESIGN GROUP
3755 BALBOA STREET, SUITE 204
SAN FRANCISCO, CA 94121
CONTACT: ROBERT T. TANAKA
PHONE: 415-863-7800
EMAIL: BOB@TANAKADESIGN.COM

CIVIL / STRUCTURAL / SURVEYOR:
HOHBACH-LEWIN INC.
909 MONTGOMERY STREET, SUITE 260
SAN FRANCISCO, CA 94133
CONTACT: ANDREW ARNOLD
PHONE: 415-610-5793
EMAIL: AARNOLD@HOHBACH-LEWIN.COM

ELECTRICAL:
PEARCE SERVICES
1222 VINE STREET, SUITE 301
PASO ROBLES, CA 93446
CONTACT: JEFFREY ANSLEY
PHONE: 510-847-9041
EMAIL:JEFFREY.ANSLEY@PEARCE-SERVICES.COM

GEOTECHNICAL:
VISHA CONSULTANTS
11501 DUBLIN BLVD, SUITE 200
DUBLIN, CA 94568
CONTACT: VISHNAN GOPALAN
PHONE: 510-501-3240
EMAIL: INFO@VISHACONSULTANTS.COM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3139
Expiration Date: 12/31/26
STATE OF CALIFORNIA

CONSULTANT

100% CONSTRUCTION DOCUMENTS

COVER SHEET

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATIONS
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L0.00

LANDSCAPE SHEET INDEX

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L0.03	GENERAL NOTES
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L0.05	MWELO CALCULATIONS
L0.06	SHADE TREE CALCULATIONS
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L1.01	EXISTING CONDITIONS, SITE PREPARATION AND DEMOLITION PLAN: AREA 2
L1.02	EXISTING CONDITIONS, SITE PREPARATION AND DEMOLITION PLAN: AREA 3
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TOTAL NUMBER OF PAGES: 115

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DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
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SHEET INDEX

TENAYA MIDDE SCHOOL
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EXISTING CONDITIONS, SITE PREPARATION AND DEMOLITION PLAN GENERAL NOTES

A. THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING AND REPLACING AT HIS OWN EXPENSE, ANY STRUCTURES, FENCES, WALLS OR PLANT LIFE DAMAGED OR DESTROYED BY HIS OPERATION. LIKEWISE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY AND ALL DAMAGES OCCURRING BY HIS OPERATION, ON ADJACENT PROPERTIES AND ANYWHERE OUTSIDE THE CONTRACT LIMIT LINES. THE DAMAGED ITEMS WILL BE RESTORED TO THEIR ORIGINAL CONDITION AND TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.

B. ALL PRUNING OR REMOVAL OF EXISTING TREES, SHRUBS, WOODY VEGETATION, CLEARING AND GRUBBING OF GRASS, WEEDS AND HERBACEOUS VEGETATION IS INCLUDED IN THIS CONTRACT.

C. ALL ITEMS INDICATED TO BE REMOVED SHALL BE DISPOSED OF FROM THE PROJECT SITE, EXCEPT ITEMS INDICATED TO BE SALVAGED.

D. INSTALL TEMPORARY CHAIN LINK CONSTRUCTION FENCE WITH GATES TO SECURE CONSTRUCTION AREA FROM PUBLIC. CONFIRM GATE LOCATION WITH OWNER'S REPRESENTATIVE. MAINTAIN IN WORKING ORDER THROUGH ENTIRE CONSTRUCTION PERIOD. PROVIDE METAL "KEEP OUT" SIGN ON FENCE AT EVERY 100 FEET. READJUST TEMPORARY FENCING AS REQUIRED DURING CONSTRUCTION TO MAINTAIN CONSTRUCTION AREA TOTALLY ENCLOSED. PROVIDE ACCESS GATES AS REQUIRED. COORDINATE AND COMPLY WITH OWNER'S REPRESENTATIVE FOR ANY SPECIAL ACCESS REQUIREMENTS THAT THE OWNER MAY REQUIRE DURING THE CONSTRUCTION PERIOD.

E. SHOULD ANY ABANDONED PIPES BE BROKEN DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR PIPE TO ELIMINATE ANY OPENINGS, AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

F. WHERE PROPOSED IMPROVEMENTS REQUIRE THE MODIFICATION OF EXISTING IRRIGATION OR POTABLE WATER EQUIPMENT, RELOCATE OR EXTEND EXISTING IRRIGATION PIPES TO NEW EDGE OF PAVING AND CAP PIPES. PLACE STAKE TO DESIGNATE LOCATION OF CAPPED PIPES. SALVAGE ALL EXISTING IRRIGATION HEADS OR VALVES AND DELIVER TO THE OWNER. COORDINATE WITH OTHER PLANS.

G. NOT ALL DEMOLITION OR CLEARING AREAS ARE SHOWN ON THIS PLAN. REFER TO OTHER PLANS WHERE ADDITIONAL AREAS REQUIRE DEMOLITION IN ORDER TO INSTALL NEW IMPROVEMENTS.

H. LIMIT OF WORK LINE IS AN APPROXIMATION. REFER TO ALL PLANS THAT MAY REQUIRE WORK BEYOND LINE.

I. WHERE EXISTING UTILITY VALVES, METERS, VAULTS, BOXES, ETC, CONFLICT WITH NEW IMPROVEMENTS, MODIFY OR REPLACE AS REQUIRED TO CONFORM TO NEW CONDITIONS.

J. REFER TO TOPOGRAPHIC MAP FOR ADDITIONAL EXISTING INFORMATION.

K. AT TURF AREAS DESIGNATED FOR PRESERVATION, SOME AREAS MAY REQUIRE DISTURBANCE AND REPAIR, DUE TO UNDERGROUND WORK WHERE THEIR LOCATIONS ARE UNKNOWN. COORDINATE WITH OTHER PLANS.

L. ENSURE THAT ALL VEGETATION SCHEDULED FOR PRESERVATION ARE ADEQUATELY IRRIGATED THROUGHOUT THE CONSTRUCTION PERIOD.

M. CLEARING AND GRUBBING. REFER TO SPECIFICATIONS, GRADING PLAN, AND DETAIL 3, SHEET L6.00. EXTENT OF CLEAR AND GRUB AREAS SHOWN ON THE PLANS ARE DIAGRAMMATIC AND SUBJECT TO CHANGE BASED ON CONTRACTOR'S ACTIVITIES.

N. POTHOLE ALL EXISTING UNDERGROUND UTILITIES IDENTIFIED ON THESE PLANS PRIOR TO BEGINNING OF CONSTRUCTION. SUBMIT PLAN TO OWNER SHOWING ALL DISCOVERED UTILITIES THAT ARE ACCURATELY DRAWN.

O. NO DEMOLITION SHALL OCCUR UNTIL PLANS ARE APPROVED BY DSA.

P. LOCATE AND IDENTIFY ALL BACKFLOW PREVENTION DEVICES AND DETERMINE THE PURPOSE OF EACH BACKFLOW PREVENTION DEVICE. SUBMIT A PLAN TO OWNER SHOWING ALL DISCOVERED INFORMATION.

Q. DEMOLISH, ABANDON, OR REPAIR EXISTING UTILITIES THAT CONFLICT WITH PROPOSED IMPROVEMENTS.

POLLUTION CONTROL NOTES

A. PROJECT AREA SHALL BE ROUGH GRADED IN ACCORDANCE WITH THE GRADING PLANS. FUTURE FINISH GRADING SHALL DIRECT ALL STORM WATER RUNOFF TO THE STREETS OR INLETS SHOWN ON THIS PLAN AND ULTIMATELY TO THE STORM DRAIN SYSTEM. ALL STORM WATER FROM THIS SITE IS INTENDED TO BE DIRECTED TO THE STORM DRAINS.

B. IF SIGNIFICANT SEDIMENT OR OTHER VISUAL SYMPTOMS OF IMPURITIES ARE NOTICED IN THE STORM WATER, CONTACT THE OWNER'S REPRESENTATIVE IMMEDIATELY.

C. CONTRACTOR IS RESPONSIBLE FOR INSPECTION AND RESTORATION OF ALL ASPECTS OF THIS PLAN. SEDIMENT ON SIDEWALKS AND GUTTERS SHALL BE REMOVED BY SHOVEL OR BROOM.

D. ALL DUMPSTERS OR OTHER TRASH STORAGE ENCLOSURES SHALL BE UTILIZED SOLELY FOR NON-HAZARDOUS MATERIALS.

E. ALL EMPLOYEES, CONTRACTORS, AND SUBCONTRACTORS ARE RESPONSIBLE FOR CONFORMING TO THE ELEMENTS SHOWN ON THIS PLAN OR RELATED DOCUMENTS. ANY CONTRACTOR PLANNING TO DO WORK ON-SITE SHALL BE RESPONSIBLE FOR OBTAINING AND REVIEWING ALL INFORMATION PRIOR TO START OF WORK AND EDUCATING ALL OF THEIR EMPLOYEES OR SUBCONTRACTORS AS TO THE CONTENTS OF THIS PLAN.

F. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS AND FILING ALL PLANS WITH RELATED AGENCIES ASSOCIATED WITH THEIR WORK. THIS SHALL, INCLUDE, BUT NOT BE LIMITED TO, PERMITS FOR STORAGE OF HAZARDOUS MATERIALS, BUSINESS PLANS, PERMITS FOR STORAGE OF FLAMMABLE LIQUIDS, GRADING PERMITS, OR OTHER PLANS OR PERMITS REQUIRED BY MERCED COUNTY, OR OTHER AGENCIES. ALL PROPERTY OWNERS, CONTRACTORS, OR SUBCONTRACTORS WORKING ON-SITE ARE INDIVIDUALLY RESPONSIBLE FOR OBTAINING AND SUBMITTING ANY BUSINESS PLANS OR PERMITS REQUIRED BY STATE OR LOCAL AGENCIES.

G. CONTRACTOR MAY RELOCATE STORAGE, DELIVERY, OR WASH-OUT AREAS, TO SUIT THEIR OPERATIONS. RELOCATED LOCATION TO BE SHOWN ON PLANS MAINTAINED AT JOBSITE. CONTACT OWNER'S REPRESENTATIVE FOR ANY PLAN REVISIONS. PLAN REVISIONS SHALL BE SUBMITTED TO THE OWNER IF REQUESTED. CONTRACTOR TO MAINTAIN SECONDARY CONTAINMENT AS NECESSARY TO PROHIBIT POLLUTION AND TOXIC MATERIALS FROM ENTERING STORM DRAIN.

EROSION CONTROL NOTES

A. NO VEHICLES SHALL BE ALLOWED TO TRACK OR SPREAD SOIL FROM THE CONSTRUCTION AREAS ONTO EXISTING PAVED PUBLIC STREETS. ANY VEHICLE OPERATING WITHIN THE PROJECT AREA AND OFF THE PAVED STREET SHALL CROSS A CONSTRUCTION ENTRANCE AS SHOWN HEREIN. THE ENTRANCE MAY BE MODIFIED BY THE CONTRACTOR TO FACILITATE HIS OPERATIONS.

B. THE EROSION AND SEDIMENT CONTROL MEASURES WILL BE OPERABLE DURING THE RAINY SEASON, OCTOBER 1ST TO APRIL 15TH. NO GRADING WILL OCCUR BETWEEN OCTOBER 1ST AND APRIL 15TH, UNLESS AUTHORIZED BY THE OWNER.

C. CHANGES TO THIS STORM WATER POLLUTION PREVENTION PLAN TO MEET FIELD CONDITIONS WILL BE MADE ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE OWNER. CHANGES MADE TO SUIT FIELD CONDITIONS SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE OWNER'S REPRESENTATIVE.

D. DURING THE RAINY SEASON, ALL PAVED AREAS WILL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE WILL BE MAINTAINED SO THAT A MINIMUM OF SEDIMENT-LADEN RUNOFF ENTERS THE STORM DRAIN SYSTEM. THESE PLANS SHALL REMAIN IN EFFECT UNTIL THE IMPROVEMENTS ARE ACCEPTED BY THE OWNER, AND ALL SLOPES ARE STABILIZED FROM EROSION.

E. THIS PLAN ASSUMES THE COMPLETION OF GRADING AND STORM DRAIN FACILITIES. IF FACILITIES ARE NOT COMPLETED, CONTACT THE OWNER'S REPRESENTATIVE FOR PLAN REVISIONS.

URBAN RUNOFF POLLUTION NOTES

A. STABILIZE ALL DENUDED AREAS AND MAINTAIN EROSION CONTROL MEASURES CONTINUOUSLY BETWEEN OCTOBER 1 AND APRIL 15.

B. REMOVE SPOILS PROMPTLY AND AVOID STOCKPILING OF FILL MATERIALS WHEN RAIN IS FORECAST. IF RAIN THREATENS, STOCK-PILED SOILS AND OTHER MATERIALS SHALL BE TARPED AT THE REQUEST OF THE OWNER'S REPRESENTATIVE.

C. STORE, HANDLE, AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES SO AS TO PREVENT THEIR ENTRY TO THE STORM DRAIN SYSTEM. CONTRACTOR MUST NOT ALLOW CONCRETE, WASHWATERS, SLURRIES, PAINT OR OTHER MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.

D. USE FILTRATION OR OTHER MEASURES TO REMOVE SEDIMENT FROM DEWATERING EFFLUENT.

E. NO CLEANING, FUELING OR MAINTAINING VEHICLES ON SITE SHALL BE PERMITTED IN ANY MANNER THAT ALLOWS DELETERIOUS MATERIALS TO ENTER CATCH BASINS OR TO ENTER SITE RUNOFF.

F. USE OF PESTICIDES AND/OR FERTILIZERS SHALL BE PROHIBITED UNLESS APPROVED BY THE OWNER'S REPRESENTATIVE AND SHALL COMPLY WITH TECHNICAL SPECIFICATIONS.

G. IN THE EVENT GRADING OPERATIONS ARE SUSPENDED BY WEATHER CONDITIONS AND IF THE STORM DRAIN SYSTEM IS INCOMPLETE, INSTALL ADDITIONAL ROCK FILTERS AND OTHER FACILITIES AS DIRECTED BY OWNER'S REPRESENTATIVE.

H. CONTRACTOR TO RELOCATE CONCRETE WASHDOWN, VEHICLE STORAGE DELIVERY, AND NON HAZARDOUS WASTE AREAS AS NECESSARY TO FACILITATE THEIR OPERATION AND PROMOTE POLLUTION CONTROL.

BEST MANAGEMENT PRACTICES (BMP) IMPLEMENTATION SCHEDULE

A. ALL BMP'S TO BE INSTALLED PRIOR TO A QUALIFIED STORM EVENT.

B. PERIMETER CONTROL, EXISTING INLET PROTECTION, AND CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

C. ALL OTHER BMP'S SHALL BE INSTALLED AT COMPLETION OF CONSTRUCTION OF EACH INLET.

D. INSTALLED BMP'S SHALL BE MAINTAINED CONTINUOUSLY BY CONTRACTOR.

CONSTRUCTION WASTE MANAGEMENT PLAN:

A. CONSTRUCTION AND DEMOLITION WASTE MATERIALS TO BE DIVERTED FROM DISPOSAL BY EFFICIENT USAGE, RECYCLING, REUSE ON THE PROJECT OR SALVE FOR FUTURE USE ARE IDENTIFIED ON SHEET L1.00-L1.04.

B. CONSTRUCTION AND DEMOLITION WASTE MATERIALS WILL BE BULK MIXED (SINGLE STREAM).

C. CONSTRUCTION AND DEMOLITION WASTE MATERIALS SHALL BE TAKEN TO A CITY OR COUNTY APPROVED DIVERSION FACILITY.

D. THE AMOUNT OF CONSTRUCTION DEMOLITION WASTE MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BOTH.

E. THE CONTRACTOR SHALL UTILIZE A WASTE MANAGEMENT COMPANY THAT CAN PROVIDE VERIFIABLE DOCUMENTATION THAT THE PERCENTAGE OF CONSTRUCTION AND DEMOLITION WASTE MATERIAL DIVERTED FROM THE LANDFILL COMPLIES WITH CAL GREEN SECTION 5.408. THE CONTRACTOR OR OWNER SHALL MAKE THE DETERMINATION IF THE CONSTRUCTION AND DEMOLITION WASTE MATERIAL WILL BE DIVERTED BY A WASTE MANAGEMENT COMPANY.

F. THE CONTRACTOR SHALL RECYCLE AND/OR SALVAGE FOR REUSE A MINIMUM OF 65% OF THE NON-HAZARDOUS CONSTRUCTION AND DEMOLITION WASTE IN ACCORDANCE WITH CAL GREEN SECTIONS 5.408.1.1, 5.408.1.2, OR 5.408.1.3; OR MEET LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS MORE STRINGENT.

CONSTRUCTION AND LAYOUT PLAN GENERAL NOTES

A. LAYOUT INFORMATION. ALL LAYOUT INFORMATION WILL BE MADE AVAILABLE IN ELECTRONIC (AUTOCAD) FORMAT FOR CONTRACTOR'S USE. OBTAIN THE SERVICES OF A REGISTERED LAND SURVEYOR TO LAYOUT ALL IMPROVEMENTS.

B. ALL TRANSITIONS OF PAVEMENT SHALL BE CONSTRUCTED TO A SMOOTH CURVE. ALL ADJUSTMENTS OF THE LAYOUT SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.

C. VERIFY THE LOCATIONS OF ALL UTILITIES IN THE FIELD. LOCATIONS SHOWN ON THE PLAN ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. NOTIFY UNDERGROUND SERVICE ALERT (U.S.A.) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION ON THIS PROJECT.

D. PRIOR TO GENERAL INSTALLATION OF CONCRETE ITEMS, A REPRESENTATIVE JOBSITE TEST INSTALLATION IS TO BE PRODUCED INCLUDING CASTING, FINISHING, CURING, AND SEALING, AS APPLICABLE TO VERIFY AND APPROVE SUITABILITY, PROPER SURFACE PREPARATION METHODS, ADHESION, SAFETY, PERFORMANCE, WET AND DRY SLIP RESISTANCE, APPLICATION TECHNIQUES AND COVERAGE. TEST INSTALLATION TO BE APPROVED BY OWNER'S REPRESENTATIVE. FOLLOW MANUFACTURER'S RECOMMENDATIONS.

E. ALL EXISTING UTILITY BOXES, VAULTS, VALVE COVERS, AND MANHOLES WITHIN THE AREA TO BE IMPROVED SHALL BE ADJUSTED OR REPLACED TO CONFORM TO THE NEW PAVEMENT SURFACE OR THE NEW FINISH GRADE.

F. WHERE PROPOSED FOOTINGS ARE LOCATED NEAR EXISTING UTILITIES, MANUALLY EXCAVATE TO EXPOSE AND VERIFY EXISTING EQUIPMENT. NOTIFY OWNER'S REPRESENTATIVE IF PROPOSED IMPROVEMENTS CONFLICT WITH EXISTING CONDITIONS.

G. THE PLAN SHOWS THE PAVING JOINT LAYOUT OF ALL CONCRETE FLAT WORK FOR THIS PROJECT, JOINT PATTERNS ARE RADIAL TO THE CURVE, EXCEPT WHERE SHOWN OTHERWISE.

H. EXPANSION JOINTS SHALL BE INSTALLED WHEREVER NEW PAVING MEETS EXISTING PAVEMENT, CURBS, BANDS, FOOTINGS, WALLS, BUILDINGS OR OTHER CONSTRUCTED ELEMENTS, AND AS DETAILED IN THE PLANS. AT CONCRETE MOW BAND OR CONCRETE CURB, INSTALL EXPANSION JOINT TO ALIGN WITH ABUTTING PAVEMENT CONTROL OR EXPANSION JOINTS, AT 10 FEET MINIMUM ON CENTER, AND AS INDICATED ON THE PLANS. INSTALL KEY JOINT OR DOWELS (CORE DRILL IF NECESSARY) TO PREVENT DIFFERENTIAL SETTLING BETWEEN SAID ELEMENTS.

I. NOT ALL NEW PAVING AREAS ARE SHOWN ON THIS PLAN. REFER TO OTHER PLANS WHERE TRENCHING ACROSS EXISTING PAVING MAY OCCUR, WHICH WILL REQUIRE REPAIR AND RE-PAVING.

J. DIMENSION LINES LOCATE EDGES OF PAVING OR FACE OF WALLS OR CURBS, UNLESS OTHERWISE NOTED.

K. WHERE LARGE RADIUS INFORMATION IS NOT SHOWN, PROVIDE SMOOTH TRANSITION BETWEEN ADJACENT TANGENTIAL LINES. REVIEW WITH OWNER'S REPRESENTATIVE FOR LAYOUT APPROVAL PRIOR TO INSTALLING PAVEMENT.

L. WHERE NEW PAVING OR CURBS CONFORM OR ALIGN WITH EXISTING IMPROVEMENTS, PROVIDE SMOOTH TRANSITION WHERE THEY ABUT EACH OTHER.

M. CONCRETE PAVING THICKNESS. INCREASE PAVING THICKNESS WHERE SPECIFIED AT SURFACE-MOUNTED SITE FURNISHINGS DETAILS. REFER TO TECHNICAL SPECIFICATION FOR ADDITIONAL INFORMATION.

N. CONCRETE SHALL BE NATURAL GRAY UNLESS OTHERWISE NOTED ON THE PLANS. PROVIDE MEDIUM BROOM FINISH, SWEPT PERPENDICULAR TO LENGTH OF BAND.

O. METAL FENCE:

- METAL FENCE TYPE 'A'. METAL FENCE SHALL BE BY AMERISTAR PERIMETER (WWW.AMERISTARPERIMETER.COM), MONTAGE II SERIES OR EQUAL, STYLE: GENESIS, FINISH: POWDER COATED, COLOR: BLACK. SEE DETAILS FOR ADDITIONAL INFORMATION.
- METAL FENCE TYPE 'B'. METAL FENCE SHALL BE BY AMERISTAR PERIMETER (WWW.AMERISTARPERIMETER.COM), ECHELON II SERIES OR EQUAL, MATERIAL: ALUMINUM, STYLE: GENESIS, FINISH: POWDER COATED, COLOR: BLACK, SEE DETAILS FOR ADDITIONAL INFORMATION.

P. DRINKING FOUNTAIN WITH BOTTLE FILLER SHALL BE BY ELKAY (WWW.ELKAY.COM), MODEL: LK4420BF1L OR EQUAL, TOTAL OF 5, COLOR: GRAY, SEE DETAIL 9, SHEET L6.01.

Q. FOR SITE LIGHTING INFORMATION, SEE ELECTRICAL DRAWINGS.

R. BASEBALL & SOFTBALL EQUIPMENT AND SURFACE:

- BACKSTOP: PW ATHLETIC MFG. CO, MODEL #: 1234-03PV, BLACK POWDER COATED FRAME AND BLACK VINYL COATED MESH WITH 3 ROWS OF RCP PLANKS, SEE DETAIL 8, SHEET L6.04. CONTACT: ARVESTER RUNNELS, PHONE: (480) 629-8431, EMAIL: ARVESTER@LASTEELCRAFT.COM.
- PORTABLE PITCHER'S MOUND: ANYTIME BASEBALL SUPPLY, MODEL: 8" PORTABLE YOUTH PITCHING MOUND OR EQUAL, SIZE: 66" X 101" X 8", COLOR: TAN.
- PLAYERS BENCH: PW ATHLETIC MFG. CO., ALUMINUM BACKLESS PLAYERS BENCH WITH POWDER COATED FRAME, MODEL #: 1119-15P-15 OR EQUAL, FRAME COLOR SHALL BE 510 BLACK, ALUMINUM PLANK COLOR: 290 SILVER, MOUNT TYPE: M3-SURFACE MOUNT. CONTACT: ARVESTER RUNNELS, PHONE: (480) 629-8431, EMAIL: ARVESTER@LASTEELCRAFT.COM.
- INFIELD MIX SHALL BE TMT ENTERPRISES INC., WWW.TMTENTERPRISES.NET/CONTACTUS.PHP, MODEL: 'CANDLESTICK PARK INFIELD FINES', OR APPROVED EQUAL.

S. BOLLARD SHALL BE BY ULINE (WWW.ULINE.COM), POUR-IN-PLACE SAFETY BOLLARD, MODEL #: H-7685 OR EQUAL, COLOR: YELLOW, POWDER COATED.

T. SPORTS COURT AREA:

- BASKETBALL COURT LINE PAINT SHALL BE BY PLEXIPAVE, COLOR: WHITE. CONTACT: MASON FARNSWORTH, PHONE: (510) 283-3071, EMAIL: MFARNSWORTH@BEYNONSPORTS.COM.
- PICKLEBALL AND VOLLEYBALL COURT LINE PAINT SHALL BE BY PLEXIPAVE, COLOR: BLUE. CONTACT: MASON FARNSWORTH, PHONE: (510) 283-3071, EMAIL: MFARNSWORTH@BEYNONSPORTS.COM
- PICKLEBALL NET AND POST SYSTEM SHALL BE BY DOUGLAS SPORTS (WWW.DOUGLAS-SPORTS.COM), PREMIER XS-36 PICKLEBALL POSTS, 2-7/8", MODEL: 63075SS OR EQUAL, FINISH: POWDER COATED, COLOR: BLACK, GROUND SLEEVE: GS-24RD/AL, INCLUDE T-PLUG FOR ROUND GROUND SLEEVE (MODEL #: 63418) AT EACH POST, SEE DETAIL 1, SHEET L6.05.
- VOLLEYBALL NET AND POST SYSTEM SHALL BE BY DOUGLAS SPORTS (WWW.DOUGLAS-SPORTS.COM), VBS-3 SQ OUTDOOR POWER VOLLEYBALL SYSTEM, MODEL: 65200 OR EQUAL, FINISH: POWDER COATED, COLOR: BLACK, GROUND SLEEVE: GS-24SQ/ST, INCLUDE T-PLUG FOR SQUARE GROUND SLEEVE (MODEL #: 63420) AT EACH POST, SEE DETAIL 2, SHEET L6.05.
- ACRYLIC SURFACING (ADD-ALTERNATE #4 ONLY). ACRYLIC SURFACE SHALL BE BY PLEXIPAVE, COURT COLOR: GRAY.

U. FITNESS AREA:

- OUTDOOR FITNESS EQUIPMENT SHALL BE BY GREENFIELDS OUTDOOR FITNESS. CONTACT: GLEN WURSTER, EMAIL: GLEN@PLAYGROUNDPORS.COM, SEE SHEET L6.06 FOR ADDITIONAL INFORMATION.
- SYNTHETIC TURF: FLEXGROUND (WWW.FLEXGROUND.COM), MODEL: KIDPLAY, FOR ADDITIONAL INFORMATION SEE DETAIL 4, SHEET L6.05.

V. VINYL SLATS AT ENCLOSURE. VINYL SLATS SHALL BE BY HOOVER FENCE COMPANY, PEXCO PDS BOTTOM LOCK PRIVACY SLATS, MODEL #: BL-SLAT2-8-LBL OR EQUAL, SIZE PER FENCE HEIGHT, COLOR: BLACK.

W. CONTRACTOR SHALL CONFIRM FINAL LOCATIONS OF POTABLE AND IRRIGATION WATER POINT OF CONNECTIONS WITH OWNER'S REPRESENTATIVE.

X. TRACK:

- TRACK SURFACE COLOR SHALL BE BY BEYNON, COLOR: MID GREY 055 RAL #7037.
- TRACK STRIPING COLOR SHALL BE BY BEYNON, COLOR: WHITE.
- TRACK EXCHANGE ZONE COLOR SHALL BE BY BEYNON, COLOR: LIGHT BLUE 084 RAL #5012.
- TRACK 'D' ZONE COLOR SHALL BE BY BEYNON, COLOR: LIGHT BLUE 084 RAL #5012.

GRADING AND DRAINAGE PLAN GENERAL NOTES

A. LAYOUT INFORMATION. ALL LAYOUT INFORMATION WILL BE DISTRIBUTED IN ELECTRONIC (AUTO CAD) FORMAT FOR CONTRACTOR'S USE. OBTAIN THE SERVICES OF A REGISTERED LAND SURVEYOR TO LAYOUT ALL IMPROVEMENTS BASED ON THE ELECTRONIC FILE.

B. THE GRADING AND DRAINAGE PLAN PROVIDES GENERAL GRADING AND DRAINAGE INFORMATION FOR ALL SURFACES. SEE CIVIL DRAWINGS FOR ADDITIONAL REQUIREMENTS.

C. EXPORTATION AND IMPORTATION OF SOIL, WHICH MAY BE NECESSARY TO MEET THE GRADES SHOWN ON THE GRADING AND DRAINAGE PLAN, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE PART OF THIS CONTRACT. EXCESS MATERIAL SHALL BE OFFHAULED FROM THE PROJECT AREA.

D. EXPOSE AND CHECK INVERTS ON EXISTING STORM OR SANITARY SEWER DRAIN PIPES, CATCH BASINS, MANHOLES OR INLETS BEFORE CONSTRUCTING OR ORDERING NEW STORM DRAIN EQUIPMENT OR MATERIALS.

E. NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO MAKING CONNECTIONS TO THE EXISTING FACILITIES AND PRIOR TO BACKFILLING ANY TRENCH.

F. ALL HIGH POINTS, LOW POINTS, OR GRADE BREAKS ON HORIZONTAL SURFACES SHALL HAVE A SMOOTH CURVE. FLATWORK SHALL NOT BE BUILT TO A POINT.

G. MATCH THE NEW GRADES WITHIN THE LIMITS OF WORK TO THE EXISTING GRADES WITHOUT DAMAGING THE EXISTING LANDSCAPE, TREES, OR EXISTING PAVING TO REMAIN ALONG THE LIMIT LINE. REPAIR ANY DAMAGE TO THESE AREAS.

H. WHERE NEW PAVING MEETS ENTRANCES TO THE INSIDE OF THE BUILDING, PAVEMENT ELEVATION SHALL BE LESS THAN 1/4" BELOW ADJOINING THRESHOLD, UNLESS OTHERWISE NOTED ON PLAN.

I. NOTIFY THE U.S.A. (UNDERGROUND SERVICE ALERT) 48 HOURS PRIOR TO COMMENCEMENT OF WORK.

J. PRIOR TO BEGINNING EXCAVATION WORK, FIELD LOCATE ALL EXISTING UNDERGROUND EQUIPMENT TO AVOID ITS BREAKAGE DURING CONSTRUCTION.

K. SHOULD ANY ABANDONED PIPES BE BROKEN DURING CONSTRUCTION, REPAIR PIPES TO ELIMINATE ANY OPENINGS, AS DIRECTED BY THE OWNER'S REPRESENTATIVE.

L. ALL EXISTING UTILITY BOXES, VAULTS, VALVE COVERS, AND MANHOLES WITHIN THE AREA TO BE IMPROVED SHALL BE ADJUSTED TO THE NEW FINISH GRADE OR FINISH SURFACE. MODIFY OR REPLACE EQUIPMENT AS REQUIRED TO INSTALL A PRODUCT THAT IS EQUAL OR BETTER THAN THE EXISTING CONDITION OF EACH EQUIPMENT.

M. PROTECTION OF EXISTING TREES:

1. PROTECT ALL EXISTING TREES DESIGNATED TO REMAIN. REFER TO THE SPECIFICATIONS AND PLANS FOR REQUIRED PROTECTION.
2. WHERE EXISTING ROOTS OF TREES DESIGNATED FOR PRESERVATION ARE ENCOUNTERED DURING CONSTRUCTION:
   - ALL ROOTS GREATER THAN 1/4" IN DIAMETER SHALL BE REMOVED BY CLEANLY CUTTING IT WITH APPROPRIATE TOOLS.
   - ALL ROOTS GREATER THAN 4" IN DIAMETER SHALL BE REVIEWED BY THE PROJECT ARBORIST AND CONTRACTOR SHALL FOLLOW THE ARBORIST'S RECOMMENDATIONS.
   - WHERE PLANTING AREAS OCCURS UNDER THE DRIP LINE OF EXISTING TREES OR WHERE ROOTS GREATER THAN 2" IN DIAMETER ARE ENCOUNTERED, PREPARE SOIL USING HAND TOOLS OR SMALL ROTOTILLING MACHINERY.
   - AT NEW PAVING AREAS OR WITHIN 2 FEET OF NEW PAVING AREAS, WHERE EXISTING ROOTS GREATER THAN 2" IN DIAMETER ARE VISIBLE UPON COMPLETION OF SUBGRADE PREPARATION, REMOVE SUCH ROOTS TO A DEPTH OF 6" MINIMUM BELOW FINISH SUBGRADE ELEVATION.

N. CROSS SLOPE OF ALL NEW PATHWAYS SHALL BE 1.8% MAXIMUM AND 1.0% MINIMUM, UNLESS OTHERWISE NOTED.

O. RUNNING OR LONGITUDINAL SLOPE OF PATHWAYS SHALL BE 4.8% MAXIMUM AND 1.0% MINIMUM.

P. WHERE NEW PAVEMENT ABUTS EXISTING PAVEMENT, THE SURFACES SHALL BE FLUSHED WITH EACH OTHER AND PROVIDE A SMOOTH TRANSITION.

Q. REFER TO DETAIL 3, SHEET L6.00 FOR ADDITIONAL EARTHWORK REQUIREMENTS.

R. REFER TO SPECIFICATION SECTION 029110 LANDSCAPE SOIL PREPARATION FOR TOPSOIL AT BIORETENTION AREAS.

IRRIGATION PLAN GENERAL NOTES

A. THE NEW IRRIGATION SYSTEM SHALL BE A 2-WIRE SYSTEM. CONTRACTOR SHALL DEVELOP A PLAN FOR GROUNDING OF ALL REQUIRED EQUIPMENT. SEE SHEET L7.07.

B. BUILD THE PROPOSED IRRIGATION SYSTEM BASED ON THE INFORMATION PROVIDED ON THE PLANS. PROVIDE COMPLETE AND EFFECTIVE COVERAGE OF ALL PLANTED AREAS, BALANCE EACH SYSTEM TO OPTIMUM COVERAGE, AND ADJUST EACH ARC, RADIUS AND NOZZLE AS DIRECTED ON SITE BY THE OWNER'S REPRESENTATIVE. FOR BUBBLER IRRIGATION SYSTEMS, ENSURE THAT EACH BUBBLER NOZZLE IS INSTALLED AT EACH PLANT AS PER PLAN AND DETAILS.

C. FIELD VERIFY ALL EXISTING CONDITIONS. IF ANY DISCREPANCY EXISTS BETWEEN BID INFORMATION AND ACTUAL FIELD CONDITIONS, NOTIFY THE OWNER'S REPRESENTATIVE PRIOR TO ANY INSTALLATION.

D. CONNECT THE NEW BOOSTER PUMP TO THE EXISTING CONTROLLER SYSTEM. CONNECT THE NEW BOOSTER PUMP TO THE EXISTING CONTROLLER WITH COMMUNICATION CABLES AS REQUIRED TO CREATE A WORKING PUMPING AND IRRIGATION CONTROLLING SYSTEM. PROVIDE A MINIMUM OF 60 PSI OF WATER PRESSURE FOR THE ROTOR IRRIGATION HEADS, 40 PSI FOR THE SPRINKLERS AND 30 PSI FOR THE BUBBLER HEADS.

E. EXISTING IRRIGATION CONTROLLER SERVICING THE SCHOOL CAMPUS SYSTEM SHALL BE PRESERVED AND PROTECTED. FIELD LOCATE EXISTING MAIN LINE FOR CAMPUS IRRIGATION SYSTEM AND NOTIFY LANDSCAPE ARCHITECT ALL FINDINGS.

F. POINT OF WATER CONNECTION. MAKE THE CONNECTION AT THE DESIGNATED POINTS, INCLUDING NECESSARY MODIFICATIONS TO THE EXISTING CONDITIONS TO MAKE THE CONNECTION.

G. ALL WORK SHALL CONFORM TO LOCAL AND STATE CODES AND ORDINANCES. ALL IRRIGATION WORK SHALL CONFORM TO THE PLANS AND SPECIFICATIONS.

H. SLEEVES AND CONDUITS UNDER PAVEMENT ARE NOT NECESSARILY SHOWN ON THE PLANS BUT MUST BE INSTALLED WHERE NEW PIPES OR WIRES ARE LOCATED WITHIN PAVEMENT AREAS. SLEEVES SHALL BE 2 PIPE SIZES LARGER THAN PIPE, AND CONDUITS FOR WIRES SHALL BE 1" MINIMUM SIZE WITH FUNCTIONAL PULL WIRES.

I. VALVES BOXES. LABEL EACH LID, "IRRIGATION" AND INCLUDE THE TYPE OF VALVE THAT IS HOUSED INSIDE IT, SUCH AS, "IRRIGATION SHUT OFF VALVE" OR "IRRIGATION REMOTE CONTROL VALVE". LABEL SHALL BE PERMANENT AS DETERMINED BY THE OWNER'S REPRESENTATIVE. ALL VALVE BOXES THAT ARE NOT TRAFFIC RATED SHALL BE PLASTIC, BY CARSON, OR EQUAL, WITH BOLT DOWN LIDS.

J. COORDINATE ROUTING OF LATERAL LINE PIPES SO THAT THEY WILL NOT CONFLICT WITH NEW PLANTS LOCATED IN PLANTING PLAN.

K. ENSURE THAT RECORD DOCUMENTS (OR AS-BUILT DRAWINGS) INDICATE THE ROUTING OF ALL LATERAL LINE PIPES BETWEEN VALVES AND ROTORS, SPRINKLERS OR BUBBLERS..

L. WHERE EXISTING ROOTS OF LIVING TREES GREATER THAN 2" IN DIAMETER ARE ENCOUNTERED, EXCAVATE MANUALLY TO AVOID DAMAGING ROOTS. DEPTH OF TRENCHES MAY BE REDUCED BY 50% OF SPECIFIED MINIMUM WITHIN OR NEAR THESE AREAS. DOCUMENT ATYPICAL INSTALLATION ON THE RECORD DRAWINGS.

M. ALL UNDERGROUND UTILITIES SHALL BE LOCATED BEFORE THE START OF WORK. REQUEST AND OBTAIN FROM OWNER ALL AS-BUILT OR RECORD DOCUMENTS THAT MAY IDENTIFY PROBABLE LOCATIONS OF UTILITIES.

N. LOCATE ROTOR OR SPRINKLER HEADS AND BUBBLERS A MINIMUM OF 24" AWAY FROM FACE OF BUILDING WALL AND 12" AWAY FROM PAVING EDGE.

O. WHERE BUBBLER HEADS ARE SPECIFIED, INSTALL BUBBLER NEAR EACH TREE OR PLANT AND EQUALLY SPACED WITHIN EACH CONTIGUOUS PLANTING AREA.

P. LATERAL LINE PIPES SERVICING ROTOR AND SPRINKLER HEADS, AND BUBBLERS SHALL BE SIZED BASED ON THE GALLONS PER MINUTE OF WATER PASSING THROUGH IT WHEN IN OPERATION. THESE PIPES SHALL BE SIZED AS FOLLOWS:

Q. PIPE TERMINATION SYMBOL: WHERE SHOWN ON THE PLANS, THE PIPE TERMINATION SYMBOLS INDICATE APPROXIMATE LOCATIONS OF MAINLINE STUB-OUTS IN VALVE BOXES, TYPICAL.

R. PIPING AND EQUIPMENT LAYOUT IS SHOWN SCHEMATICALLY FOR VISUAL CLARITY. PIPING AND EQUIPMENT SHOWN WITHIN PAVED AREAS SHALL BE INSTALLED WITHIN AREAS DESIGNATED FOR LANDSCAPE. MAIN LINES SHOULD BE LOCATED A MINIMUM OF 18" OFF ADJACENT PAVEMENT OR OTHER OBSTACLES.

S. CONTRACTOR SHALL ADJUST THE THROW DISTANCE OF THE ROTOR AND SPRINKLER HEADS TO PREVENT OVERSPRAY ONTO THE STREET AND PAVEMENT.

T. MECHANICAL JOINTS: CONTRACTOR SHALL INSTALL FITTINGS, JOINT RESTRAINTS, BY LEEMCO, ON 2.5" OR LARGER MAIN LINES AND ON 3" OR LARGER LATERAL LINES, CONTRACTOR SHALL INSTALL SERVICE SADDLES, BY LEEMCO, ON 2.5" OR LARGER MAIN LINES AT REMOTE CONTROL VALVES. CONTACT: TONY GARNER (208) 631-7787 FOR ALL QUESTIONS CONCERNING LEEMCO PRODUCTS. CONTRACTOR CAN COORDINATE WITH MANUFACTURER'S REPRESENTATIVE FOR PROPER INSTALLATION REQUIREMENTS.

- FITTINGS SHALL BE LEEMCO DUCTILE IRON FITTINGS. FITTINGS SHALL HAVE SLANTED, DEEP BELL, GASKET STYLE MADE IN ACCORDANCE WITH ASTM A-536, GRADE 65-45-12 & AWWA C153. ALL FITTINGS SHALL HAVE 5-DEGREE FREEDOM OF PIPE DEFLECTION WITHIN THE BELL END.
- LEEMCO DUCTILE IRON FITTINGS AND JOINT RESTRAINTS SHALL HAVE A FUSION BONDED EPOXY COATING ON THE INTERIOR AND EXTERIOR OF THE PRODUCT SURFACE, AVERAGE OF 10-12MM THICKNESS. EPOXY COATING SHALL CONFORM TO THE REQUIREMENTS OF CSA Z245.20-20 AND NSF 61 FOR WATER SERVICES. TAR/BITUMEN COATING WILL NOT BE APPROVED.
- ALL LEEMCO DUCTILE IRON PIPE FITTINGS, JOINT RESTRAINTS AND MAINLINE ISOLATION GATE VALVES SHALL HAVE A 10-YEAR WARRANTY ON PRODUCTS AND REPLACEMENT LABOR COSTS.
- ALL LEEMCO RUBBER GASKETS AND O-RINGS SHALL BE CONSTRUCTED OF EPDM (ETHYLENE PROPYLENE DIENE MONOMER) HIGH GRADE RUBBER. SBR (STYRENE-BUTADIENE) RUBBER GASKETS AND O-RINGS WILL NOT BE APPROVED.
- ALL LEEMCO DUCTILE IRON JOINT RESTRAINTS SHALL HAVE BLUNT CAST SERRATIONS. MACHINE THREADED JOINT RESTRAINTS WILL NOT BE APPROVED. JOINT RESTRAINTS SHALL BE INSTALLED ON ALL ENDS OF DUCTILE IRON GASKET FITTINGS.
- ALL LEEMCO DUCTILE IRON IPS GASKET FITTINGS SHALL USE THE LH-SERIES (PIPE TO FITTING) JOINT RESTRAINT SYSTEM AT EACH GASKET BELL END (SEE DETAIL 1, SHEET L3.06). CONCRETE THRUST BLOCKS WILL NOT BE ALLOWED.
- ALL SCHEDULE 40 PVC AND CLASS 315 PIPE SHALL BE SOLVENT WELDED TOGETHER PER THE PIPE MANUFACTURER'S RECOMMENDATIONS. LEEMCO (PIPE TO PIPE) BELL RESTRAINTS ARE NOT NEEDED WHEN SCHEDULE 40 AND CLASS 315 PIPE IS USED.
- DUCTILE IRON SADDLE:
  a. ALL MAIN LINE TO LATERAL ELECTRIC VALVE CONNECTIONS SHALL BE MADE USING A LEEMCO DUCTILE IRON SERVICE SADDLE PER THE MAINLINE PIPE SIZE. PLASTIC SADDLES WILL NOT BE ALLOWED.
  b. ALL SADDLE BODIES SHALL BE CONSTRUCTED OF DUCTILE IRON PER ASTM A-536, GRADE 65-45-12, AWWA C153 STANDARDS. RSST, RSDT, RSLS, AND RDLS-SERIES STRAPS AND HARDWARE SHALL BE 304 STAINLESS STEEL. SADDLE GASKETS SHALL BE CONSTRUCTED OF HIGH GRADE EPDM RUBBER PER ANSI/AWWA C111/A21.11 STANDARDS. EPOXY COATING SHALL BE 10-12 MIL THICKNESS TO PROTECT AGAINST CORROSIVE SOILS.
  c. ALL SADDLES SHALL BE MANUFACTURED BY LEEMCO, INC. U.S.A.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
ROBERT T. TANAKA
3199
Signature
12/31/26
Renewal Date
Date
STATE OF CALIFORNIA

CONSULTANT

100% CONSTRUCTION DOCUMENTS

GENERAL NOTES

TENAYA MIDDE SCHOOL
SPORTS FIELD RENOVATIONS
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L0.02

IRRIGATION 2-WIRE GENERAL NOTES

A. DECODERS
1. CONTROLLER SHALL INTERFACE WITH HUNTER ICD DECODERS.
2. WIRE CONNECTIONS FROM DECODER OUTPUT TO SOLENOID UNDER NORMAL CONDITIONS SHALL NOT EXCEED 150-FT.
3. INSTALL IN VALVE BOX ON DECODER STAKE KIT (DECSTAKE-10) WITH BOTTOM OF DECODER FACING UP.
4. CONTRACTOR SHALL INDICATE ASSOCIATED VALVE NUMBER(S) ON MANUFACTURER PROVIDED LABEL ON DECODER WITH PERMANENT MARKER.

B. WIRES
1. WIRE FOR TWO-WIRE PATH SHALL BE TWISTED AND JACKETED HUNTER IDWIRE, OR APPROVED EQUAL (PAIGE ELECTRIC P7354D); COATED WIRE SHALL NOT BE ACCEPTED AS AN EQUAL: ACCEPTABLE EQUAL PRODUCTS MUST CONSIST OF TWO SEPARATELY PE JACKETED WIRE TWISTED INSIDE OF A PE JACKET.
2. CONTRACTOR SHALL INSTALL IDWIRE1 (14 AWG) FOR WIRE PATH LENGTH UP TO 10,000-FT AND IDWIRE2 (12 AWG) FOR WIRE PATH LENGTH UP TO 15,000-FT.
3. WIRE JACKET COLORS SHALL BE SUCH TO FACILITATE THE IDENTIFICATION OF VARIOUS WIRE PATH ZONES; SEE REMOTE CONTROL VALVE CALLOUT BOX ON IRRIGATION PLANS.
4. THE CONTROLLER ALLOWS UP TO THREE (3) TWO-WIRE PATHS PER OUTPUT MODULE, CONTRACTOR SHALL NOT CONNECT ANY TWO-WIRE PATH FROM OEN OUTPUT MODULE TO ANOTHER OUTPUT MODULE.
5. WIRE CONNECTION FROM DECODER OUTPUT TO SOLENOID SHALL BE COLORED TO MATCH THE ASSOCIATED DECODER OUTPUT STATION COLOR; YELLOW, PURPLE AND ORANGE COLORED WIRES SHALL NOT BE USED FOR CONNECTION BETWEEN DECODER OUTPUT AND SOLENOID.
6. INSTALL ALL WIRE IN ELECTRICAL PVC (GREY) CONDUIT, 1.5" SIZE.

C. SPLICES
1. ALL CONNECTIONS AND SPLICES IN THE YELLOW/PURPLE/ORANGE TWO-WIRE PATH MUST BE MADE WITH 3M DBR/Y-6 WATERPROOF CONNECTORS INSTALLED PER MANUFACTURERS INSTRUCTIONS IN VALVE BOX WITH OPEN END OF CONNECTOR FACING DOWN.
2. CONTRACTOR SHALL PROVIDE 5' LOOP OF SLACK WIRE, MEASURED FROM TOP OF VALVE BOX, NEATLY COILED INSIDE ALL SPLICE BOXES AND VALVE BOXES.
3. ANY SPLICES IN THE TWO-WIRE PATH NOT ASSOCIATED WITH A DECODER SHALL BE HOUSED IN SEPARATE VALVE BOXES WITH 5' LOOP OF SLACK WIRE.
4. CONTRACTOR SHALL INDICATE TWO-WIRE PATH DIRECTIONS IN PERMANENT MARKER WITH 6-IN OF TWO-WIRE SPLICE ON WIRE JACKET OR ID TAG ZIP TIED TO WIRE:
   - INCOMING WIRE SHALL BE MARKED "CONTROLLER" ON WIRE JACKET OR ID TAG AND MUST INCLUDE ZIP-TIE ATTACHED TO WIRE JACKET.
   - EACH OUTGOING TWO-WIRE PATH SHALL BE MARKED WITH CONNECTED VALVES ON WIRE JACKET.
5. CONTRACTOR SHALL ENSURE ALL CONNECTIONS TO BE WATERTIGHT WITH NO ELECTRICAL LEAKAGE TO GROUND OR SHORTING BETWEEN CONDUCTORS.

D. GROUNDING
1. ALL GROUNDING AND INSTALLATION OF EQUIPMENT SPECIFIED SHALL BE INSTALLED IN STRICT COMPLIANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REQUIREMENTS.
2. BOTH THE CONTROLLER AND THE DECODERS SHALL BE GROUNDED TO GROUND RODS OR PLATES WITH LESS THAN 10 OHMS RESISTANCE.
3. IRRIGATION CONTROLLER AND PAD SHALL NOT FALL WITHIN THE SPHERE OF INFLUENCE OF A GROUND ROD OR PLATE.
4. AT A MINIMUM EARTH GROUND SHALL BE CONNECTED AT THE FIRST DECODER OF EACH WIRE PATH LEAVING THE CONTROLLER, AND EVERY 12TH VALVE/DECODER OR 1,000-FT OF TWO-WIRE RUN (WHICHEVER IS SHORTER), AND AT THE LAST VALVE/DECODER IN ANY WIRE RUN EXCEEDING 50' FROM MAIN WIRE PATH.
5. FOR USE OF GROUND PLATE:
   - SOLID COPPER GROUNDING PLATE SHALL HAVE A PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE.
   - GROUND PLATES ARE TO BE INSTALLED TO A MINIMUM DEPTH OF 30 INCHES.
   - GROUND PLATES SHALL BE MADE OF A COPPER ALLOY INTENDED FOR GROUNDING APPLICATIONS AND HAVE MINIMUM DIMENSIONS AS FOLLOWS:
     a. FOR GROUNDING CONTROLLERS - 4-IN X 8-FT X 0.0625-IN SOLID COPPER GROUNDING PLATE, WITH 25-FT CONTINUOUS LENGTH OF 6 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE WELDED TO THE PLATE (PAIGE ELECTRIC 182199IC) AND TWO 50-LB (22.6 KG) BAGS OF POWERSET EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820058) FOR POROUS SOILS OR TWO 50-LB BAGES OF POWERFILL EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820059) FOR NON-POROUS SOILS.
     b. FOR GROUNDING DECODERS - 4-IN X 3-FT X 0.0625-IN SOLID COPPER GROUNDING PLATE, WITH 15-FT CONTINUOUS LENGTH OF 10 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE IS ELDED TO THE PLATE (PAIGE ELECTRIC 182201IC) AND ONE 50-LB BAG OF POWERSET EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820058) FOR POROUS SOILS OR ONE 50-LB BAGE OF POWER FILL EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820059) FOR NON-POROUS SOILS.
6. FOR USE OF GROUNDING ROD:
   - GROUND ROD SHALL BE 5/8-IN DIAMETER X 8-FT LONG COPPER CLAD STEEL GROUND RODS WITH 15-FT PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART #182000IC6)
   - GROUND ROD SHALL BE DRIVEN INTO THE GROUND IN A VERTICAL POSITION OR AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES AT A LOCATION 10-FT FROM THE ELECTRONIC EQUIPMENT, THE GROUND PLATE, OR THE WIRES AND CABLES CONNECTED TO EQUIPMENT BEING GROUNDED.
   - ADDITIONAL GROUND ROD IN DAISY CHAIN INSTALLATION SHALL BE 5/8-IN DIAMETER X 8-FT LONG COPPER CLAD STEEL GROUND RODS WITH 25-FT PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART #182007IC6).
   - GROUND RODS SHALL BE COVERED BY A VALVE BOX.
   - ALL CIRCUIT COMPONENTS SHALL BE INSTALLED IN STRAIGHT LINES.

E. GROUND ROD AND PLATE LOCATION
1. CONTRACTOR SHALL LOCATE AND ISNTALL GROUND ROD AND/OR PLATE IN AREA OF MOIST SOIL TO MAXIMIZE ELECTRICAL CONDUCTIVITY.

F. SURGE PROTECTION (LIGHTING ARRESTOR)
1. CONTRACTOR SHALL INSTALL PAIGE ELECTRIC 250090LED LIGHTING ARRESTOR PER MANUFACTURERS SPECIFICATIONS AS CLOSE TO CONTROLLER POWER SOURCE AS POSSIBLE TO PROTECT THE IRRIGATION CONTROLLER FROM SURGES THROUGH 120 OR 240 VAC WIRES.

G. TURN OVER ITEMS
1. CONTRACTOR SHALL PROVIDE PROJECT OWNER WITH THE FOLLOWING AT PROJECT COMPLETION AND TURN OVER:
   - SAVED STATION AND IRRIGATION PROGRAM INFORMATION
   - PRODUCT MANUALS
   - IN ADDITION TO IRRIGATION AS-BUILT REQUIREMENTS, THE CONTRACTOR SHALL INCLUDE IN THE AS-BUILT DRAWINGS OR IRRIGATION SYSTEM GRAPHICALLY DEPICTING LOCATION OF TWO-WIRE PATH(S), GROUNDING LOCATION AND TYPE, DECODERS, NON-DEDCODER WIRE SPLIES, INDICATION OF TWO-WIRE SPLICE TYPES (1-WAY, 2-WAY, 3-WAY, ETC.) AND TERMINATION OF TWO-WIRE PATHS.

H. MANUFACTURER TRAINING
1. PRIOR TO INSTALLATION THE CONTRACTOR SHALL HAVE COMPLETED AND RECEIVED CERTIFICATION FOR THE FOLLOWING TRAINING MODULES PROVIDED BY HUNTER INDUSTRIES.
   - DECODER SPECIALIST PROGRAM
   - MULTIMETER BASICS COURSE
   - EXPERT PROGRAM

I. PRE-CONSTRUCTION MEETING
1. PRIOR TO INSTALLATION OF TWO-WIRE IRRIGATION SYSTEM, A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED WITH PROJECT OWNER'S REPRESENTATIVE, INSTALLING CONTRACTOR, AND IRRIGATION TWO-WIRE MANUFACTURER AT NO ADDITIONAL COST FROM MANUFACTURER.

J. TECHNICAL SUPPORT
1. HUNTER INDUSTRIES. PHONE: (800) 733-2823

PLANTING PLAN GENERAL NOTES

A. ALL UNDERGROUND UTILITIES SHALL BE LOCATED BEFORE START OF WORK.

B. ALL GRADES SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO PLANTING OF ANY PLANT MATERIALS.

C. LAYOUT TREES AND SHRUBS AS SHOWN ON THE PLANS. LAYOUT OF PLANT MATERIALS, WHILE STILL IN CONTAINERS, SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION OF ANY PLANTS.

D. REPAIR AND/OR REPLACE ANY DAMAGED OR DESTROYED EXISTING PLANT MATERIAL AND RESTORE IT TO ITS ORIGINAL CONDITION TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE. PROVIDE THE SAME PLANT MATERIALS IN MATURE SIZES.

E. REFER TO SPECIFICATIONS FOR SOIL AMENDMENTS, FERTILIZER AND ADDITIONAL PLANTING INFORMATION.

F. TREE, SHRUB AND GROUNDCOVER AREAS SHALL RECEIVE WEED CONTROL TREATMENT AS SPECIFIED IN THE SPECIFICATIONS.

G. UPON RECEIPT OF "NOTICE TO PROCEED," ORDER PLANT MATERIAL TO INSURE ADEQUATE QUANTITIES AND SIZES OF PLANT MATERIAL WILL BE AVAILABLE. COPY OF THE NURSERY INVOICE SHALL BE SUBMITTED TO THE OWNER'S REPRESENTATIVE.

H. ALL PLANTS SHALL BE OF THE GENUS, SPECIES, VARIETY, CULTIVAR, AND SIZES AS SHOWN ON THE PLANS. UNDER NO CONDITION, WILL THERE BE ANY SUBSTITUTION OF PLANTS OR SIZES FOR THOSE LISTED ON THE PLANS, EXCEPT WITH THE EXPRESS WRITTEN CONSENT OF THE OWNER'S REPRESENTATIVE.

I. ALL PLANTS SHALL BE TRUE TO NAME, AND ONE OF EACH BUNDLE OR LOT SHALL BE TAGGED WITH THE NAME AND SIZE OF THE PLANT, IN ACCORDANCE WITH THE STANDARDS OF PRACTICE RECOMMENDED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.

J. AFTER PLANTING IS COMPLETE, FURNISH AND SPREAD THE SPECIFIED MULCH TO 3" MINIMUM DEPTH OVER ENTIRE PLANTED AREA. QUANTITY OF MULCH SHALL BE THE CONTRACTOR'S RESPONSIBILITY. SUBMIT SAMPLE PRIOR TO DELIVERY TO THE PROJECT SITE.

K. ALL NEW OR REGRADED PLANTING AREAS SHALL RECEIVE IMPORT OR ONSITE TOPSOIL PER THE SPECIFICATIONS. A SAMPLE OF BOTH EXISTING AND IMPORT TOPSOIL, ALONG WITH A COMPLETE SOIL ANALYSIS REPORT BY A HORTICULTURAL CONSULTANT SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO DELIVERY TO THE SITE.

L. CALIPER OF TREES SHALL BE MEASURED 6" ABOVE FINISH GRADE.

M. EXISTING TREE(S) TO REMAIN SHALL BE PRUNED AS INDICATED IN THE SPECIFICATIONS OR THESE PLANS.

N. ALL TREES SHALL BE PLANTED A MINIMUM OF EIGHT (8) FEET FROM PAVEMENT EDGES, UNLESS OTHERWISE NOTED OR SHOWN. WHERE PLANTING WITHIN 8 FEET FROM PAVING EDGES, INSTALL ROOT BARRIER PER DETAIL 3, SHEET L8.05.

O. QUANTITY OF PLANTS TO BE INSTALLED SHALL BE AS DESIGNATED NUMERICALLY ON THE PLANS. FINAL LOCATION OF TREES AND SHRUBS SHALL BE DETERMINED BY THE OWNER'S LANDSCAPE ARCHITECT DURING ONE SITE VISIT. UPON THE DELIVERY OF ALL PLANT MATERIAL SITE, AND AT LEAST 5 WORKING DAYS PRIOR TO THE SITE VISIT, REQUEST THE SITE VISIT. LAYOUT ALL PLANT MATERIAL IN ITS NURSERY CONTAINER AT OR NEARLY AT THE LOCATIONS DESIGNATED ON THE PLANS. LANDSCAPE ARCHITECT SHALL ADJUST LOCATIONS OR PROVIDE DIRECTIONS TO ADJUST PLANT LOCATIONS, BEFORE INSTALLATION OF PLANT MATERIAL OCCURS.

P. PLANT AND STAKE ALL STANDARD TRUNK TREES PER DETAIL 1, SHEET L8.05.

Q. PLANT ALL GROUNDCOVER PER DETAIL 2, SHEET L8.05.

R. MAKE ADJUSTMENTS TO PLANT MATERIAL INSTALLATION TO ENSURE THAT THE CENTER OF ANY NEW PLANT (AS DESIGNATED ON THE PLANS) WILL BE CLEAR OF ANY OVERHEAD IRRIGATION SPRINKLER/SPRAY HEAD BY THE FOLLOWING DISTANCES:
   - TREE: 3 FEET
   - SHRUB: 2 FEET

S. REFER TO SPECIFICATION SECTION 029110 LANDSCAPE SOIL PREPARATION FOR TOPSOIL AT BIORETENTION AREAS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
NO. 3139
Expiration Date
12/31/26
STATE OF CALIFORNIA

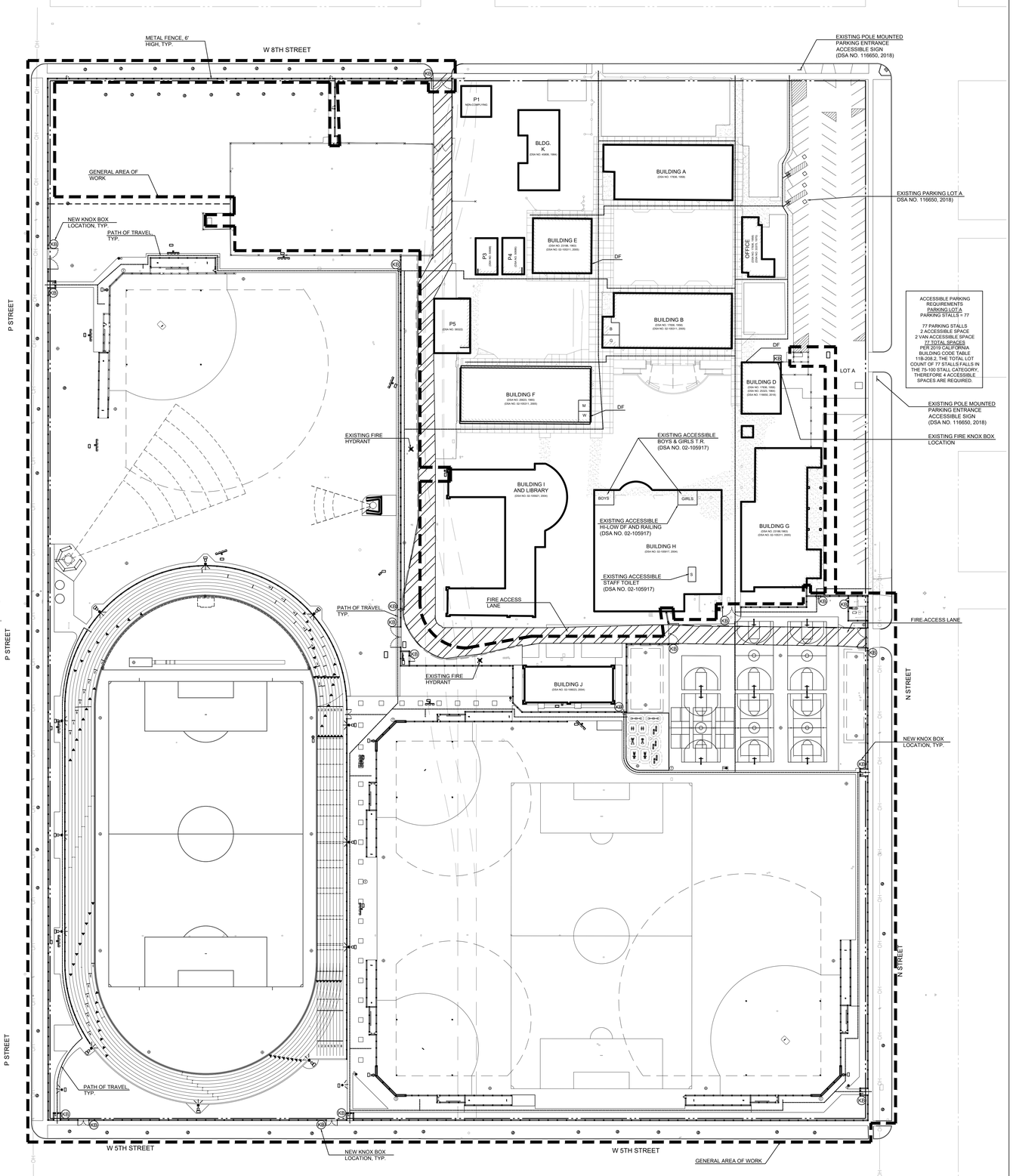
CONSULTANT

100% CONSTRUCTION DOCUMENTS

GENERAL NOTES

TENAYA MIDDE SCHOOL
SPORTS FIELD RENOVATIONS
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L0.03



DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

The Project Information and Fire & Life Safety Information sections are to be completed for all projects and imaged onto the fire access site plan. When an alternate design/means is proposed, all sections on pages 1 and 2 are to be completed and imaged on the fire access site plan.

For additional information refer to the instructions at the end of this form and DSA Policy *PL 09-01: Fire Flow for Buildings*.

PROJECT INFORMATION	
School District/Owner:	Merced City School District
Project Name/School:	Tenaya Middle School
Project Address:	760 W. 8th Street, Merced, CA 95341

FIRE & LIFE SAFETY INFORMATION				
1.	Has a fire hydrant flow test been performed within the past 12 months? *(If yes, provide a copy of the test data.)*	Yes ☑		No ☐
2.	Was the fire hydrant water flow test performed as part of this LFA review?	Yes ☑		No ☐
3.	Is the project located within a designated fire hazard severity zone (FHSZ) as established by Cal-Fire? *(If yes, indicate FHSZ classification below.)*	Yes ☐		No ☑
	Refer to the following website for FHSZ locations: Fire Hazard Severity Zones in State Responsibility Area	Moderate ☐	High ☐	Very High ☐
	Wildland Interface Area (WIFA) *(If any designations are checked, project design must meet the requirements of CBC Chapter 7A.)*			WIFA ☐

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	**Emergency vehicle access roadways do not meet CFC requirements.**			✓	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.	✓			
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			✓	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.	✓			
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.				✓
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.				✓
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: Bryan Behn Title: Director of Facilities

Signature: Date: July 24, 2025

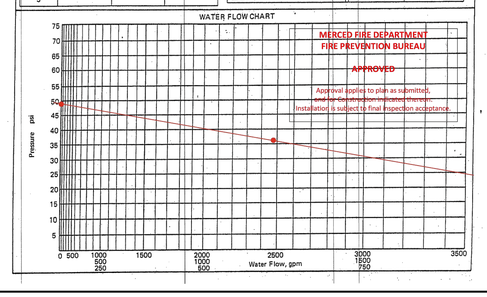
LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	City of Merced Fire Department
LFA Review Official:	Casey Wilson
Title: Fire Chief	Work Phone: 209388835
Work Email:	wilsonc@cityofmerced.gov

LFA Reviewer's Signature: Casey Wilson Digitally signed by Casey Wilson Date: 2025.07.23 14:15:18 -07'00' Date: 7/23/2025

Water Flow Test Summary Sheet

Hydrants Nos.	Outlet Diameter Inches	Pitot Pressures psi	Discharge gpm
1	4.5	20	2431
2			
3			

Location: 760 W 8th St Date: 09/29/2025
Static psi: 54-10%=48.6 Residual psi: 40-10%=36
Total Discharge During Test: 2431 gpm
Available gpm: at 20 psi: 3785 at 0 psi



LEGEND

SYMBOL	DESCRIPTION	REMARKS
	PROPERTY LINE	
	PATH OF TRAVEL	
	METAL FENCE	
	CHAIN LINK FENCE	
	EXISTING FIRE HYDRANT	
KB	NEW KNOX BOX	
KB	EXISTING KNOX BOX	
	FIRE ACCESS LANE	
	LIMIT OF WORK LINE	

ACCESSIBLE PATH OF TRAVEL:

- ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLANS IS BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

NOTES:

A. SITE GATES LOCATIONS IN THE "PATH OF TRAVEL" ARE INDICATED ON DRAWING REGULATORY COMPLIANCE SITE PLAN. THE ARCHITECT HAS INSPECTED THE PATH OF TRAVEL (P.O.T.) AS INDICATED ON THE PLANS AND HAS FOUND IT TO BE OR HAS INDICATED REMEDIAL WORK WHICH WILL CAUSE IT TO BE A BARRIER FREE ACCESSIBLE ROUTE ACCORDING TO THE FOLLOWING:
B. THE PATH OF TRAVEL SLOPES SHALL NOT EXCEED A RUNNING SLOPE OF 1:20 (5%) THE PATH OF TRAVEL SLOPES DOES NOT EXCEED A CROSS SLOPE OF 1:50 (2%). THE PATH OF TRAVEL DOES NOT HAVE OVERHEAD OBSTRUCTIONS WITHIN 80" ABOVE THE WALKING SURFACE OR OBSTRUCTIONS PROTRUDING MORE THAN 4" BETWEEN 27" AND 80" ABOVE THE WALKING SURFACE.
C. THE "PATH OF TRAVEL" AS SHOWN ON DRAWING REGULATORY COMPLIANCE SITE PLAN, DOES NOT HAVE ANY UNPROTECTED VERTICAL DROP EXCEEDING 4 INCHES AT THE TIME OF THE PREPARATION OF THE CONTRACT DOCUMENTS AND DSA APPROVAL. CONTRACTOR SHALL VERIFY AND BRING ANY NON-COMPLYING ITEMS TO THE ATTENTION OF THE ARCHITECT.
D. ALL NEW CONCRETE SURFACE WITHIN THE "PATH OF TRAVEL" SHALL HAVE A NON-SLIP MEDIUM BROOM FINISH AS CALLED FOR IN SPECIFICATION SECTION CAST IN PLACE CONCRETE. A HEAVY BROOM FINISH SHALL BE USED ON ALL SLOPES GREATER THAN 6%.
E. "DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS

DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

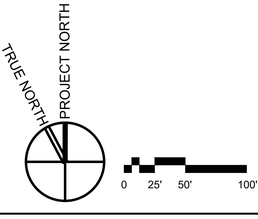
(Existing) Under Previous CBC

BLDG NO.	BUILDING PER ASSUMED PROPERTY LINE	OCCUPANCY GROUP	CONSTRUCTION TYPE	BASIC ALLOWABLE AREA	ACTUAL BUILDING AREA	DSA APPLICATION NUMBER	DSA APPROVAL DATES	REMARKS
C	Administration	B	Type V-B	9,000 SF	1,550 SF	17836 33375	1958 1970	1
	Building	Administration		9,000 SF	1,550 SF			
A	Classrooms	E	Type V-B	9,500 SF	8,075 SF	17836	1958	1
	Building	Educational		9,500 SF	8,075 SF			
B, P3 & P4	Classrooms	E	Type V-B	9,500 SF	3,799 SF	17836 02-105211	1958 2005	1
	Classrooms P3 & P4	E	Type V-B	9,500 SF	962 x 2 = 1,925 SF	33406	2004	
	Building	Educational		9,500 SF	5,686 SF			
M	Classrooms	E	Type V-B	9,500 SF	8,075 SF	17836 28-102521	1958 2004	1
	Building	Educational		9,500 SF	8,075 SF			
P & Q	Classrooms	E	Type V-B	9,500 SF	8,400 SF	33823 02-105211	1967 2005	2
	P5 Classroom	E	Type V-B	1,750 SF 2	2,400 SF	58822	1992	
	Building	Educational		14,250 SF	10,800 SF			
D	Classrooms	E	Type V-B	9,500 SF	2,675 SF	17836 25323 02-116650	1958 1964 2018	1
	Building	Educational		9,500 SF	2,675 SF			
10-Gymnasium		A2.1	Type II-1 HR	13,500 SF	10,620 SF	23436 20-102521	1967 2005	1
	Building	Educational		13,500 SF	10,620 SF			
H	Multi-Purpose	A-2.1	Type II-1 Hr Fire Sprinkled	13,500 SF 6,750 SF 2	13,665 SF	02-105917	2004	1
	Building	Educational		20,250 SF	13,665 SF			
J	Music	E	Type V-A	13,500 SF	3,744 SF	02-106023	2004	1
	Building	Educational		13,500 SF	3,744 SF			
I	Libray / Classrooms	E	Type V-A	9,100 SF	8,371 SF	02-105921	2004	1
	Building	Educational		9,100 SF	8,371 SF			
K	Classrooms	E	Type V-B	9,500 SF	4,750 SF	45806	1984	1
	Building	Educational		9,500 SF	4,750 SF			
P1 & P2	Classroom P1					Non-complying		
	Classroom P2					Non-complying		
	Building							

This BUILDING DATA TABLE applies the 2019 California Building Code 'Occupancy Classification', 'Construction Types' and 'Allowable Areas' to existing buildings approved by the Division of the State Architect under previous edition of the California Building Code. 'Occupancy Classifications' and 'Construction Types are applied to existing buildings that most closely resemble the intent of the building program and construction systems. Some existing buildings may not meet the current California Building Code Standard when 'Occupancy Classification' and 'Construction Type' are applied.

REMARKS

1. This project is on an existing campus. The buildings, as indicated, have been previously approved by the Division of the State Architect's Office.
2. SIDE SEPARATION CALCULATION: (Per 2019 CBC)
   20 ft + 1.25% per foot up to 50% maximum
   1.25% x 40 ft = 50%
   40 ft + 20 ft = 60 ft side yard minimum



0 25' 50' 100'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT 3199 Expiration Renewal Date 12/31/26 STATE OF CALIFORNIA

CONSULTANT

100% CONSTRUCTION DOCUMENTS

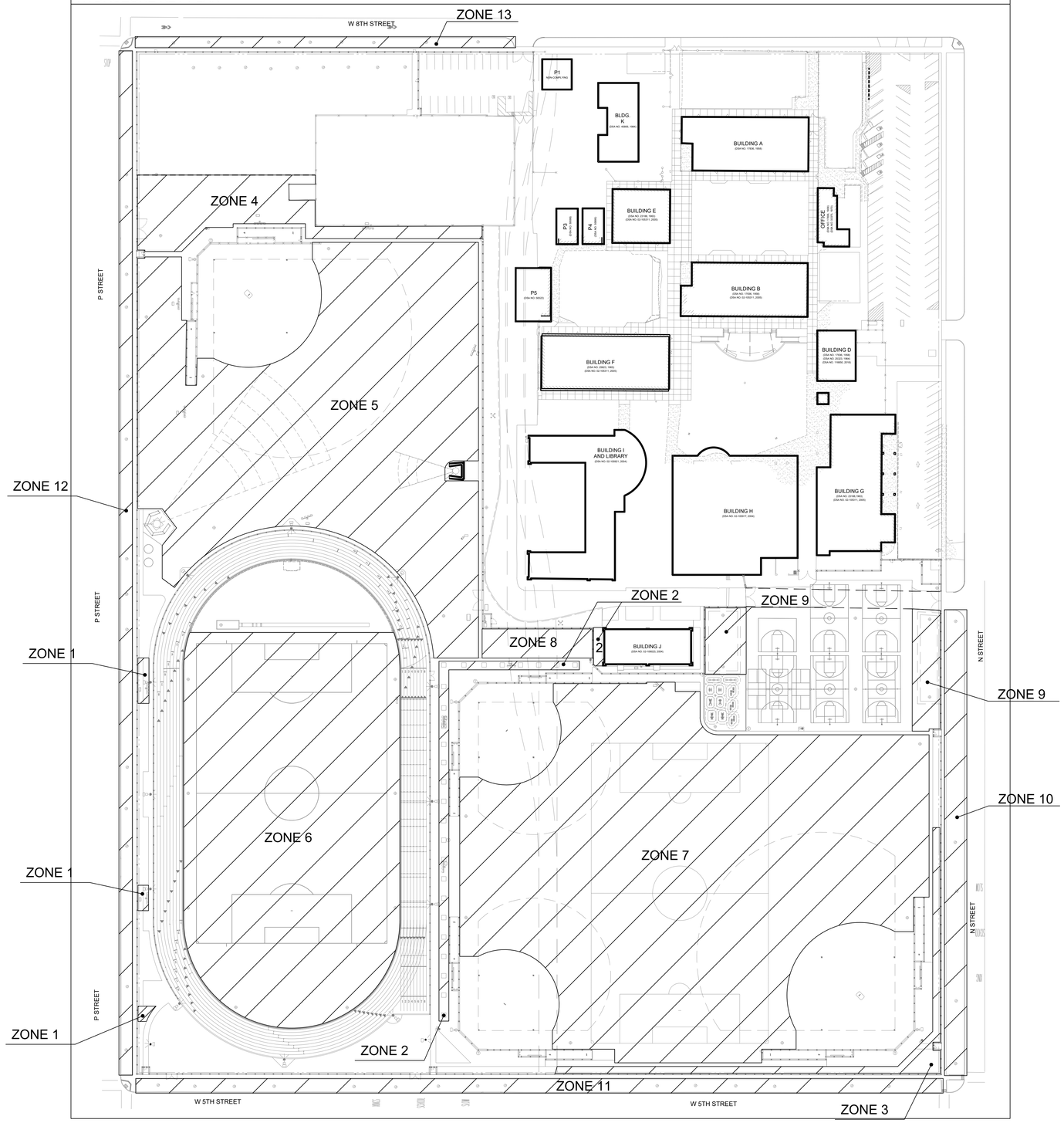
REGULATORY COMPLIANCE SITE PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO. L0.04

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

HYDROZONE KEY PLAN



HYDROZONE AREA

WATER BUDGET CALCULATIONS

MAXIMUM APPLIED WATER ALLOWANCE (MAWA)

ETo = 51.50 INCHES/YEAR
DRIP LANDSCAPE AREA = 7,546 FT²

MAWA = (ETo)(0.62) x [(0.65 x RLA) + (1.0 x SLA)]
= (51.50)(0.62) x [(0.65 x 7546) + (1.0 x 397081)]
= (31.93) x (4904.9) + (397081)
= 12,835,409 GALLONS

ESTIMATED TOTAL WATER USE (ETWU) FOR RLA

HYDROZONE	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA (FT²)	ETWU
ZONE 1	0.40	DRIP	0.81	0.49	1,162	18,180.30
ZONE 2	0.40	DRIP	0.81	0.49	803	12,563.49
ZONE 3	0.40	DRIP	0.81	0.49	5,581	87,318.65

ESTIMATED TOTAL WATER USE (ETWU) FOR SLA

HYDROZONE	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA (FT²)	ETWU
ZONE 4	0.70	OVERHEAD SPRAY	0.75	0.35	14,561	162726.45
ZONE 5	0.70	OVERHEAD SPRAY	0.75	0.35	108,229	1209513.19
ZONE 6	0.70	OVERHEAD SPRAY	0.75	0.35	97,255	1086873.25
ZONE 7	0.70	OVERHEAD SPRAY	0.75	0.35	152,666	1706118.88
ZONE 8	0.70	OVERHEAD SPRAY	0.75	0.35	13,314	148790.60
ZONE 9	0.70	OVERHEAD SPRAY	0.75	0.35	3,695	41293.47

PER CALGREEN CODE 5.304.6, ETAF FOR SLA = 0.35

ETWU = (ETo x 0.62 x ETAF x LA)

RLA ETWU TOTAL = 118,062.44 GALLONS
SLA ETWU TOTAL = 4,355,315.84 GALLONS
ETWU TOTAL = 4,473,378.28 GALLONS
MAXIMUM ALLOWED WATER ALLOWANCE (MAWA) = 12,835,409 GALLONS

WATER BUDGET CALCULATIONS INCLUDING ADD-ALTERNATE #3 WORK

MAXIMUM APPLIED WATER ALLOWANCE (MAWA)

ETo = 51.50 INCHES/YEAR
OVERHEAD SPRAY LANDSCAPE = 40,419 FT²
DRIP LANDSCAPE AREA = 7,546 FT²

MAWA = (ETo)(0.62) x [(0.65 x RLA) + (1.0 x SLA)]
= (51.50)(0.62) x [(0.65 x 47965) + (1.0 x 397081)]
= (31.93) x (31177.25) + (397081)
= 13,674,285.92 GALLONS

ESTIMATED TOTAL WATER USE (ETWU) FOR RLA

HYDROZONE	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA (FT²)	ETWU
ZONE 1	0.40	DRIP	0.81	0.49	1,162	18,180.30
ZONE 2	0.40	DRIP	0.81	0.49	803	12,563.49
ZONE 3	0.40	DRIP	0.81	0.49	5,581	87,318.65
ZONE 10	0.70	OVERHEAD SPRAY	0.75	0.93	10,271	304,996.32
ZONE 11	0.70	OVERHEAD SPRAY	0.75	0.93	12,442	369,463.94
ZONE 12	0.70	OVERHEAD SPRAY	0.75	0.93	13,545	402,217.42
ZONE 13	0.70	OVERHEAD SPRAY	0.75	0.93	4,161	123,560.47

ESTIMATED TOTAL WATER USE (ETWU) FOR SLA

HYDROZONE	PLANT FACTOR (PF)	IRRIGATION METHOD	IRRIGATION EFFICIENCY (IE)	ETAF (PF/IE)	LANDSCAPE AREA (FT²)	ETWU
ZONE 4	0.70	OVERHEAD SPRAY	0.75	0.35	14,561	162726.45
ZONE 5	0.70	OVERHEAD SPRAY	0.75	0.35	108,229	1209513.19
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ZONE 9	0.70	OVERHEAD SPRAY	0.75	0.35	3,695	41293.47

PER CALGREEN CODE 5.304.6, ETAF FOR SLA = 0.35

ETWU = (ETo x 0.62 x ETAF x LA)

RLA ETWU TOTAL = 1,318,300.59 GALLONS
SLA ETWU TOTAL = 4,355,315.84 GALLONS
ETWU TOTAL = 5,673,616.43 GALLONS
MAXIMUM ALLOWED WATER ALLOWANCE (MAWA) = 13,674,285.92 GALLONS

REVISIONS

3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
BRIAN TANAKA
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

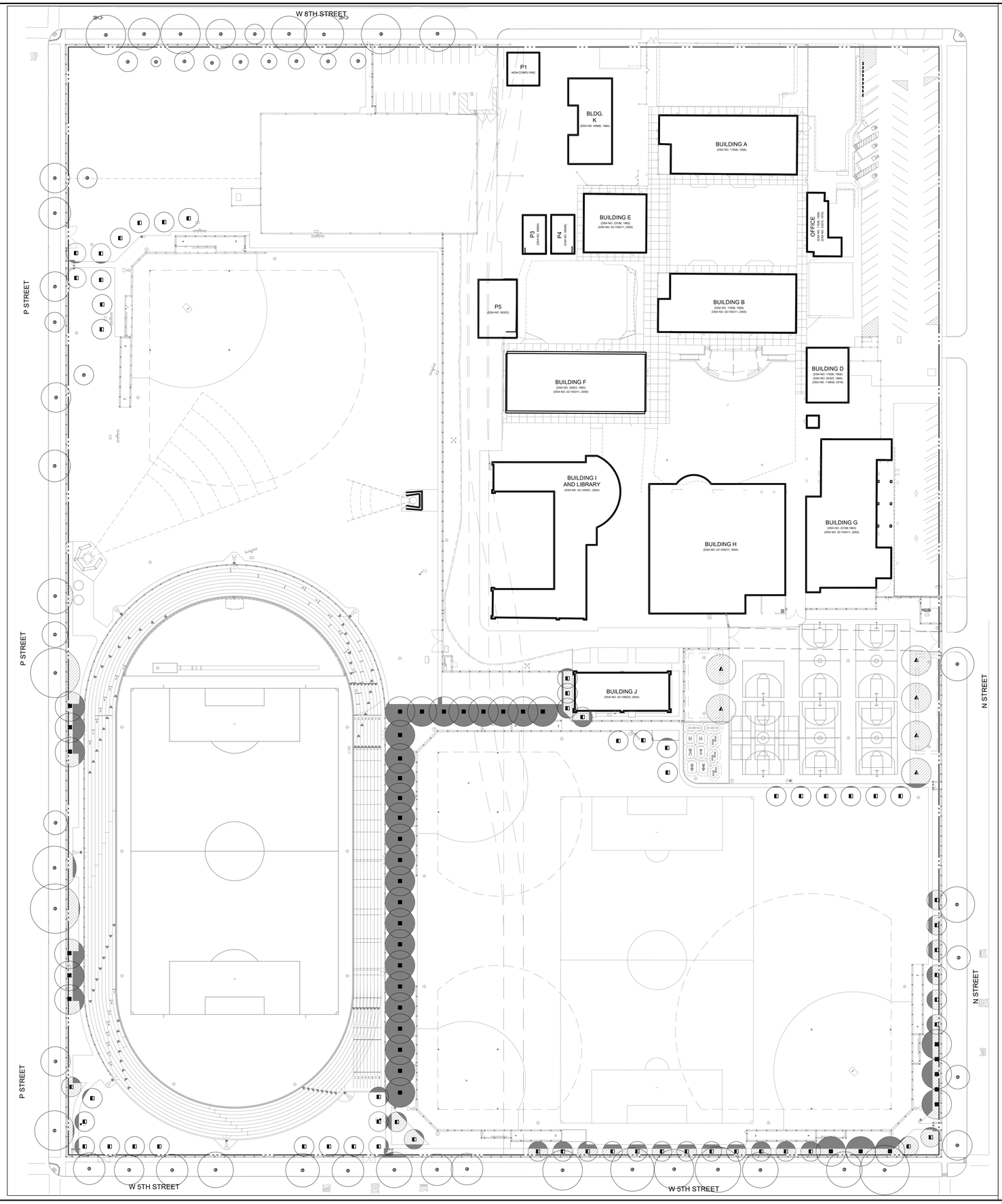
CONSULTANT

MWELO CALCULATIONS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L0.05

100% CONSTRUCTION DOCUMENTS



TREE SHADE LEGEND

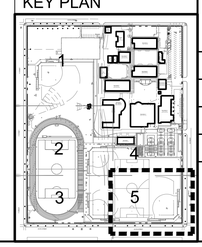
SYMBOL	DESCRIPTION	REMARKS
	TREE SHADE AT HARDSCAPE AREA	
	TREE SHADE AT LANDSCAPE AREA	

TREE SHADE AT HARDSCAPE AREA = 39.61%
TREE SHADE AT LANDSCAPE AREA = 75.27%

TRUE NORTH
PROJECT NORTH

0 10' 20' 40'

KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
RAYMOND C. TRUJILLO
No. 3199
Signature
12/31/26
Renewal Date
STATE OF CALIFORNIA

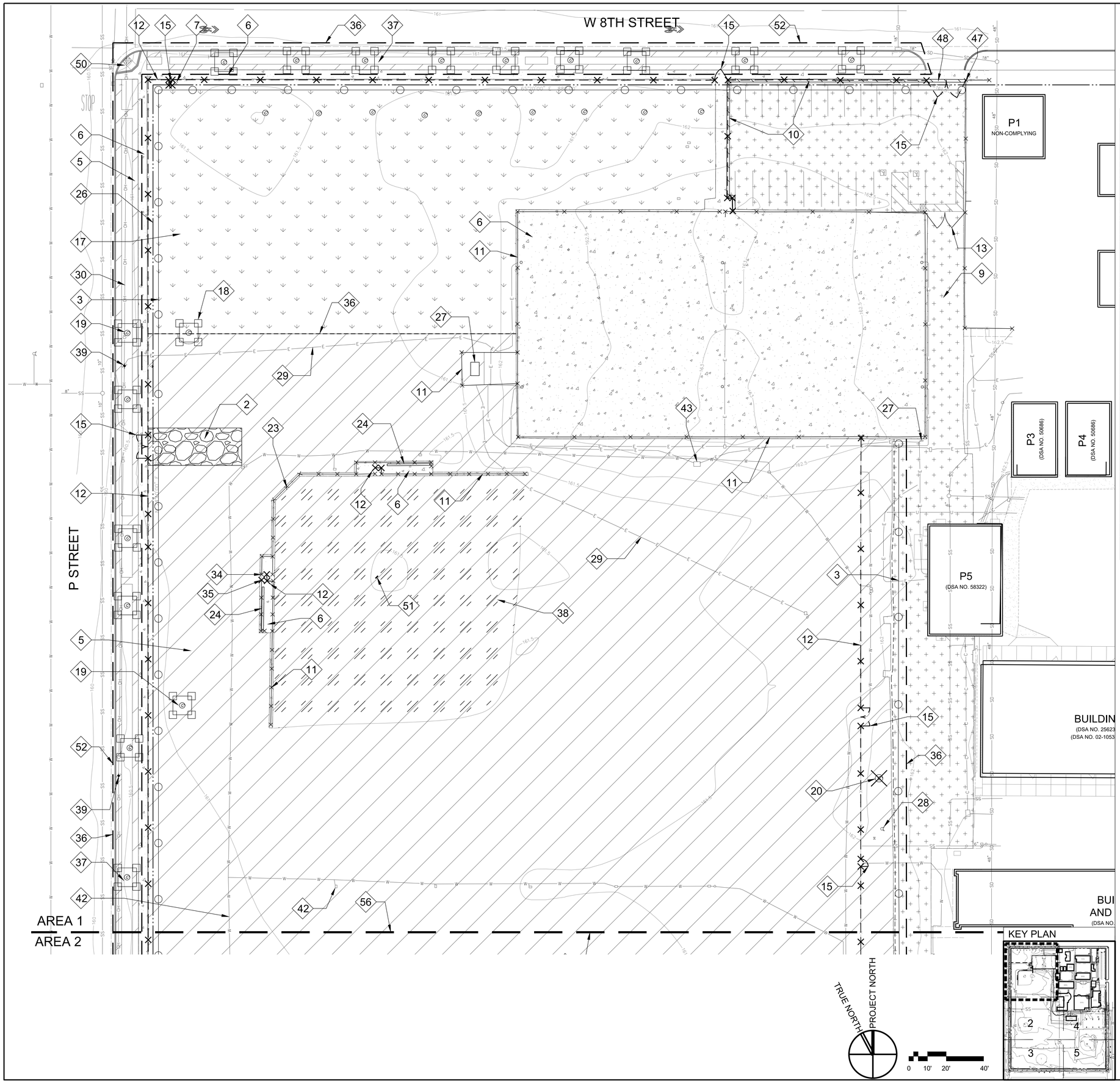
CONSULTANT

100% CONSTRUCTION DOCUMENTS

SHADE TREE CALCULATIONS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
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CHECKED BY: BT
SHEET NO.
L0.06



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	TEMPORARY CONSTRUCTION FENCE	SEE DETAIL 1, SHEET L6.00
	CONCRETE PAVING	PRESERVE AND PROTECT
	CONCRETE PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	PRESERVE AND PROTECT
	ASPHALT PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	ONLY ASPHALT PAVING TO BE DEMOLISHED, BASE ROCK TO REMAIN, U.O.N.
	CLEAR AND GRUB TURF	
	TURF	TO BE PRESERVED
	INFIELD MIX	
	CHAIN LINK FENCE	PRESERVE AND PROTECT
	CHAIN LINK FENCE	TO BE DEMOLISHED
	TREE	PRESERVE AND PROTECT
	TREE PROTECTION FENCE	SEE DETAIL 2, SHEET L6.00
	TREE	TO BE DEMOLISHED
	POLE	TO BE DEMOLISHED
	LIMIT OF WORK LINE	
OH	OVERHEAD ELECTRICAL LINE	PRESERVE AND PROTECT
SS	SANITARY SEWER LINE	PRESERVE AND PROTECT
SD	STORM DRAIN LINE	PRESERVE AND PROTECT
W	WATER LINE	PRESERVE AND PROTECT
	UTILITY POLE	PRESERVE AND PROTECT
	BACKFLOW PREVENTION DEVICE	PRESERVE AND PROTECT
	PROPERTY LINE	
X	KEY NOTE	

KEY NOTES

1. STAGING AREA.
2. STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 4, SHEET L6.00. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE.
3. TEMPORARY CONSTRUCTION FENCE, NOT ALL TEMPORARY CONSTRUCTION FENCE IS SHOWN BUT MUST BE LOCATED AT THE EXISTING PERIMETER FENCING UPON ITS REMOVAL, TYP.
4. DEMOLISH ONLY ASPHALT PAVING SURFACE, BASE ROCK TO REMAIN.
5. CLEAR AND GRUB, TYP.
6. CONCRETE PAVING, PRESERVE AND PROTECT, TYP.
7. CONCRETE PAVING, TO BE DEMOLISHED, TYP.
8. CONCRETE CURB, PRESERVE AND PROTECT.
9. ASPHALT PAVING, PRESERVE AND PROTECT, TYP.
10. ASPHALT PAVING, TO BE DEMOLISHED, TYP.
11. CHAIN LINK FENCE, PRESERVE AND PROTECT, TYP.
12. CHAIN LINK FENCE, TO BE DEMOLISHED, COORDINATE WITH CONSTRUCTION PLAN, TYP.
13. CHAIN LINK GATE, PRESERVE AND PROTECT, TYP.
14. CHAIN LINK GATE POST, PRESERVE AND PROTECT, TYP.
15. CHAIN LINK GATE, TO BE DEMOLISHED, TYP.
16. BACKFLOW PREVENTION DEVICE FOR IRRIGATION WATER, PRESERVE AND PROTECT, VIF.
17. TURF, TO BE PRESERVED.
18. TREE PROTECTION FENCE, TYP.
19. TREE, PRESERVE AND PROTECT, TYP.
20. TREE, TO BE DEMOLISHED, TYP.
21. FITNESS EQUIPMENT, TO BE DEMOLISHED.
22. POLE, TO BE DEMOLISHED.
23. BASEBALL BACKSTOP, PRESERVE AND PROTECT, TYP.
24. BASEBALL PLAYER'S BENCH, TO BE PRESERVED.
25. BASKETBALL HOOP STANDARDS, PRESERVE AND PROTECT, TYP.
26. PROPERTY LINE, TYP.
27. ELECTRICAL CABINETS, PRESERVE AND PROTECT, VIF.
28. FIRE HYDRANT, PRESERVE AND PROTECT.
29. UNDERGROUND ELECTRICAL LINE, PRESERVE AND PROTECT, VIF.
30. OVERHEAD ELECTRICAL LINE, PRESERVE AND PROTECT.
31. MANHOLE, VIF.
32. APPROXIMATE CUT LINE FOR REMOVAL OF BASE ROCK AT ASPHALT PAVING, COORDINATE WITH GRADING AND DRAINAGE PLANS, TYP..
33. REMOVE AND REPLACE BASE ROCK, COORDINATE WITH GRADING AND DRAINAGE PLANS, TYP.
34. CHAIN LINK FENCE POST, TO BE PRESERVED.
35. REMOVE FENCE AS REQUIRED TO INSTALL NEW GATE, AND SAWCUT AND REMOVE CONCRETE SLAB WHERE NEW GATE POST IS LOCATED. COORDINATE WITH CONSTRUCTION PLAN.
36. GENERAL LIMIT OF WORK LINE, TYPICAL.
37. TEMPORARY CONSTRUCTION FENCE NOT ALL SHOWN BUT REQUIRED WHERE CHAIN LINK FENCE IS REMOVED ALONG PROJECT LIMITS FACING PUBLIC STREETS, OR WHERE DESIGNATED ON THE PLANS.
38. BALLFIELD INFIELD MIX, APPROX. 4" THICK, TO BE REMOVED AND OFF-HAULED.
39. UTILITY POLE AND ASSOCIATED SUPPORT EQUIPMENT OR STRUCTURES, PRESERVE AND PROTECT.
40. STORM DRAIN MANHOLE, PRESERVE AND PROTECT.
41. UTILITY VAULT, PRESERVE AND PROTECT.
42. UTILITY BOX, FIELD VERIFY EQUIPMENT AND TYPE OF SERVICE PIPE. DEMOLISH IRRIGATION PIPES AND SALVAGE ASSOCIATED VALVES FOR OWNER'S USE. PRESERVE AND PROTECT ALL OTHER UTILITY LINES AND APPURTENANCES, UNLESS OTHERWISE NOTED.
43. ELECTRICAL VAULT - RELOCATE TO KEEP CLEAR WITH NEW PATHWAY. COORDINATE WITH ELECTRICAL DRAWINGS.
44. BASEBALL/SOFTBALL BACKSTOP, TO BE DEMOLISHED, INCLUDING FENCING, BENCHES AND FOOTINGS.
45. CORE DRILL THROUGH SLAB AS REQUIRED TO INSTALL NEW POST FOOTING.
46. DEMOLISH OVERHEAD CHAIN LINK FABRIC.
47. REMOVE GATE/FENCE POST. REINSTALL EXISTING CHAIN LINK FABRIC TO NEW GATE POST, SEE COSNTRUCTION PLANS.
48. SAWCUT AND REMOVE PAVING AS REQUIRED TO INSTALL METAL FENCE AND CONCRETE BAND.
49. DEMOLISH CATCH BASIN AND CAP OR REPAIR CONNECTING STORM DRAIN PIPE.
50. KEEP SIDEWALKS CLEAR AT ALL TIMES.
51. REMOVE AND SALVAGE PITCHER'S RUBBER, VIF.
52. APPROXIMATE LIMIT OF WORK LINE FOR ADD-ALTERNATE #3 ONLY.
53. EXISTING IRRIGATION VALVES, PRESERVE AND PROTECT, TOTAL OF 7, VIF.
54. BACKFLOW PREVENTION DEVICE FOR FIRE WATER, PRESERVE AND PROTECT, VIF.
55. BACKFLOW PREVENTION DEVICE FOR DOMESTIC WATER, PRESERVE AND PROTECT, VIF.
56. MATCH LINE, TYP.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
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tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3199
Signature
Renewal Date 12/31/26
STATE OF CALIFORNIA

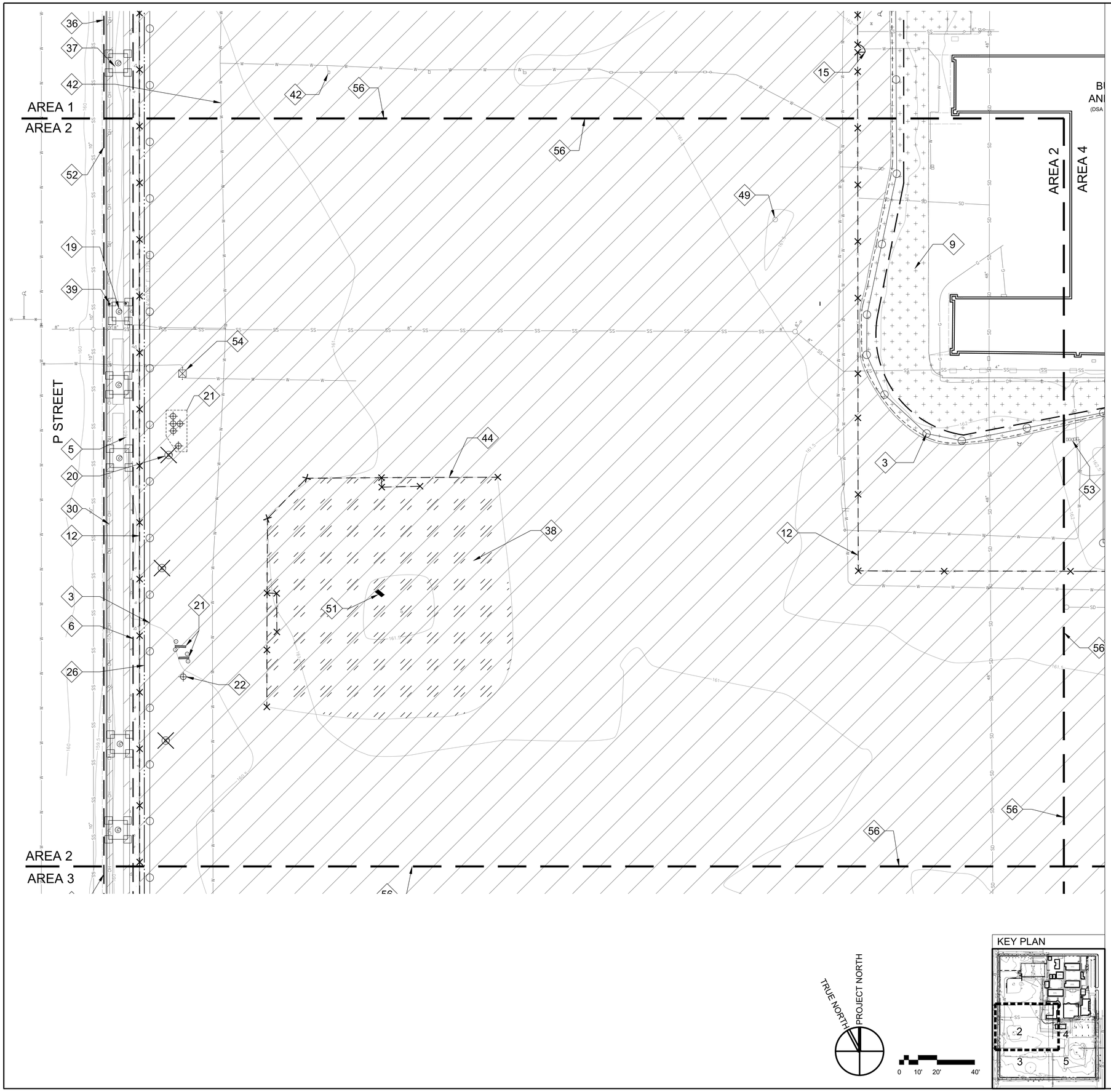
CONSULTANT

EXISTING CONDITIONS, SITE PREPARATION AND DEMOLITION PLAN: AREA 1

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L1.00



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	TEMPORARY CONSTRUCTION FENCE	SEE DETAIL 1, SHEET L6.00
	CONCRETE PAVING	PRESERVE AND PROTECT
	CONCRETE PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	PRESERVE AND PROTECT
	ASPHALT PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	ONLY ASPHALT PAVING TO BE DEMOLISHED, BASE ROCK TO REMAIN, U.O.N.
	CLEAR AND GRUB TURF	
	TURF	TO BE PRESERVED
	INFIELD MIX	
	CHAIN LINK FENCE	PRESERVE AND PROTECT
	CHAIN LINK FENCE	TO BE DEMOLISHED
	TREE	PRESERVE AND PROTECT
	TREE PROTECTION FENCE	SEE DETAIL 2, SHEET L6.00
	TREE	TO BE DEMOLISHED
	POLE	TO BE DEMOLISHED
	LIMIT OF WORK LINE	
OH	OVERHEAD ELECTRICAL LINE	PRESERVE AND PROTECT
SS	SANITARY SEWER LINE	PRESERVE AND PROTECT
SD	STORM DRAIN LINE	PRESERVE AND PROTECT
W	WATER LINE	PRESERVE AND PROTECT
	UTILITY POLE	PRESERVE AND PROTECT
	BACKFLOW PREVENTION DEVICE	PRESERVE AND PROTECT
	PROPERTY LINE	
X	KEY NOTE	

KEY NOTES

1. STAGING AREA.
2. STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 4, SHEET L6.00. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE.
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21. FITNESS EQUIPMENT, TO BE DEMOLISHED.
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23. BASEBALL BACKSTOP, PRESERVE AND PROTECT, TYP.
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25. BASKETBALL HOOP STANDARDS, PRESERVE AND PROTECT, TYP.
26. PROPERTY LINE, TYP.
27. ELECTRICAL CABINETS, PRESERVE AND PROTECT, VIF.
28. FIRE HYDRANT, PRESERVE AND PROTECT.
29. UNDERGROUND ELECTRICAL LINE, PRESERVE AND PROTECT, VIF.
30. OVERHEAD ELECTRICAL LINE, PRESERVE AND PROTECT.
31. MANHOLE, VIF.
32. APPROXIMATE CUT LINE FOR REMOVAL OF BASE ROCK AT ASPHALT PAVING, COORDINATE WITH GRADING AND DRAINAGE PLANS, TYP..
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54. BACKFLOW PREVENTION DEVICE FOR FIRE WATER, PRESERVE AND PROTECT, VIF.
55. BACKFLOW PREVENTION DEVICE FOR DOMESTIC WATER, PRESERVE AND PROTECT, VIF.
56. MATCH LINE, TYP.

TRUE NORTH
PROJECT NORTH

0 10' 20' 40'

KEY PLAN

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3199
Signature
Renewal Date 12/31/26
STATE OF CALIFORNIA

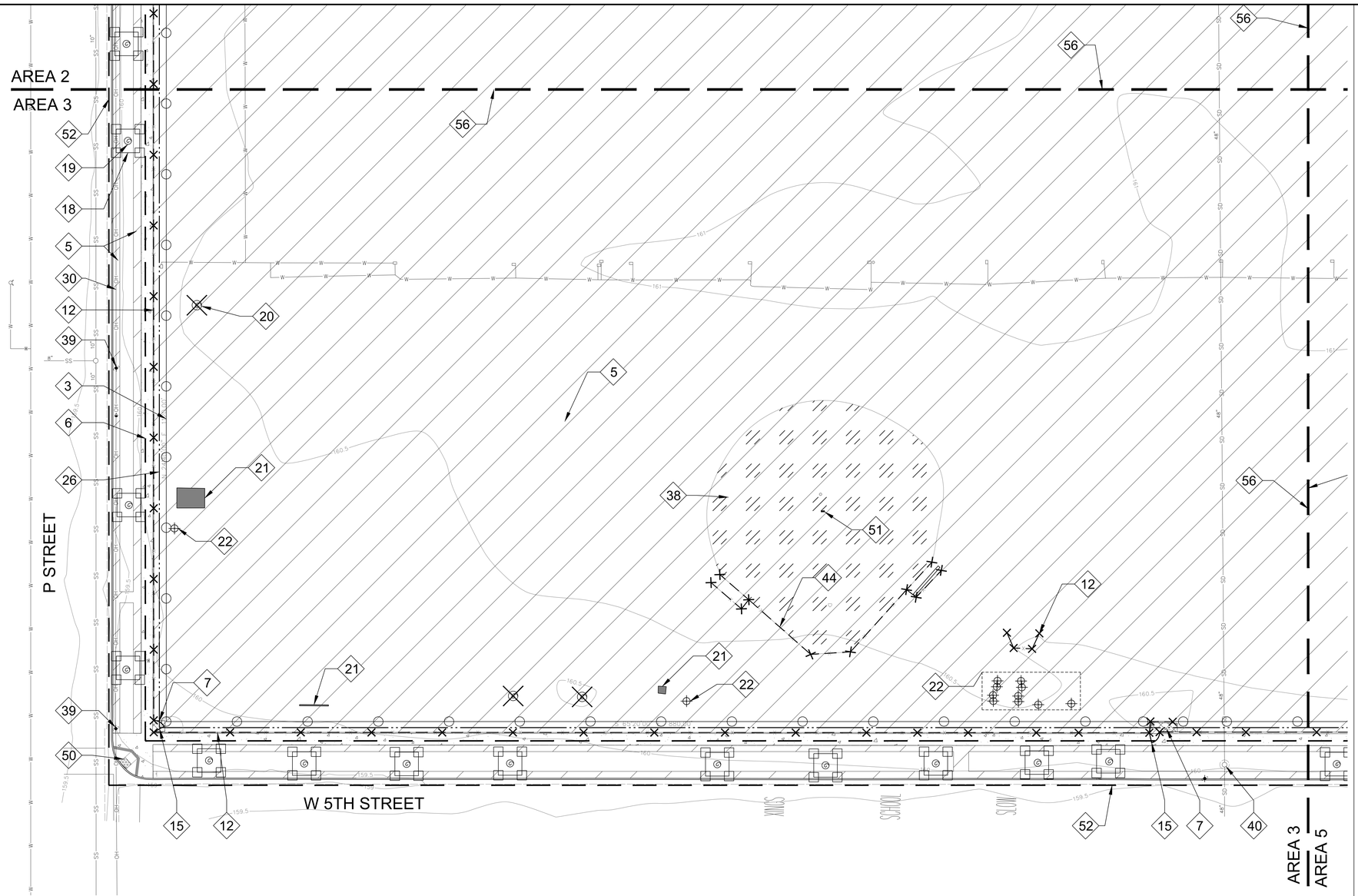
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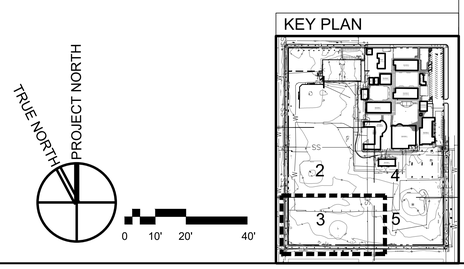
EXISTING CONDITIONS, SITE PREPARATION AND DEMOLITION PLAN: AREA 2

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L1.01





IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	TEMPORARY CONSTRUCTION FENCE	SEE DETAIL 1, SHEET L6.00
	CONCRETE PAVING	PRESERVE AND PROTECT
	CONCRETE PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	PRESERVE AND PROTECT
	ASPHALT PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	ONLY ASPHALT PAVING TO BE DEMOLISHED, BASE ROCK TO REMAIN, U.O.N.
	CLEAR AND GRUB TURF	
	TURF	TO BE PRESERVED
	INFIELD MIX	
	CHAIN LINK FENCE	PRESERVE AND PROTECT
	CHAIN LINK FENCE	TO BE DEMOLISHED
	TREE	PRESERVE AND PROTECT
	TREE PROTECTION FENCE	SEE DETAIL 2, SHEET L6.00
	TREE	TO BE DEMOLISHED
	POLE	TO BE DEMOLISHED
	LIMIT OF WORK LINE	
OH	OVERHEAD ELECTRICAL LINE	PRESERVE AND PROTECT
SS	SANITARY SEWER LINE	PRESERVE AND PROTECT
SD	STORM DRAIN LINE	PRESERVE AND PROTECT
W	WATER LINE	PRESERVE AND PROTECT
	UTILITY POLE	PRESERVE AND PROTECT
	BACKFLOW PREVENTION DEVICE	PRESERVE AND PROTECT
	PROPERTY LINE	
X	KEY NOTE	

KEY NOTES

1. STAGING AREA.
2. STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 4, SHEET L6.00. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE.
3. TEMPORARY CONSTRUCTION FENCE, NOT ALL TEMPORARY CONSTRUCTION FENCE IS SHOWN BUT MUST BE LOCATED AT THE EXISTING PERIMETER FENCING UPON ITS REMOVAL, TYP.
4. DEMOLISH ONLY ASPHALT PAVING SURFACE, BASE ROCK TO REMAIN.
5. CLEAR AND GRUB, TYP.
6. CONCRETE PAVING, PRESERVE AND PROTECT, TYP.
7. CONCRETE PAVING, TO BE DEMOLISHED, TYP.
8. CONCRETE CURB, PRESERVE AND PROTECT.
9. ASPHALT PAVING, PRESERVE AND PROTECT, TYP.
10. ASPHALT PAVING, TO BE DEMOLISHED, TYP.
11. CHAIN LINK FENCE, PRESERVE AND PROTECT, TYP.
12. CHAIN LINK FENCE, TO BE DEMOLISHED, COORDINATE WITH CONSTRUCTION PLAN, TYP.
13. CHAIN LINK GATE, PRESERVE AND PROTECT, TYP.
14. CHAIN LINK GATE POST, PRESERVE AND PROTECT, TYP.
15. CHAIN LINK GATE, TO BE DEMOLISHED, TYP.
16. BACKFLOW PREVENTION DEVICE FOR IRRIGATION WATER, PRESERVE AND PROTECT, VIF.
17. TURF, TO BE PRESERVED.
18. TREE PROTECTION FENCE, TYP.
19. TREE, PRESERVE AND PROTECT, TYP.
20. TREE, TO BE DEMOLISHED, TYP.
21. FITNESS EQUIPMENT, TO BE DEMOLISHED.
22. POLE, TO BE DEMOLISHED.
23. BASEBALL BACKSTOP, PRESERVE AND PROTECT, TYP.
24. BASEBALL PLAYER'S BENCH, TO BE PRESERVED.
25. BASKETBALL HOOP STANDARDS, PRESERVE AND PROTECT, TYP.
26. PROPERTY LINE, TYP.
27. ELECTRICAL CABINETS, PRESERVE AND PROTECT, VIF.
28. FIRE HYDRANT, PRESERVE AND PROTECT.
29. UNDERGROUND ELECTRICAL LINE, PRESERVE AND PROTECT, VIF.
30. OVERHEAD ELECTRICAL LINE, PRESERVE AND PROTECT.
31. MANHOLE, VIF.
32. APPROXIMATE CUT LINE FOR REMOVAL OF BASE ROCK AT ASPHALT PAVING, COORDINATE WITH GRADING AND DRAINAGE PLANS, TYP..
33. REMOVE AND REPLACE BASE ROCK, COORDINATE WITH GRADING AND DRAINAGE PLANS, TYP.
34. CHAIN LINK FENCE POST, TO BE PRESERVED.
35. REMOVE FENCE AS REQUIRED TO INSTALL NEW GATE, AND SAWCUT AND REMOVE CONCRETE SLAB WHERE NEW GATE POST IS LOCATED. COORDINATE WITH CONSTRUCTION PLAN.
36. GENERAL LIMIT OF WORK LINE, TYPICAL.
37. TEMPORARY CONSTRUCTION FENCE NOT ALL SHOWN BUT REQUIRED WHERE CHAIN LINK FENCE IS REMOVED ALONG PROJECT LIMITS FACING PUBLIC STREETS, OR WHERE DESIGNATED ON THE PLANS.
38. BALLFIELD INFIELD MIX, APPROX. 4" THICK, TO BE REMOVED AND OFF-HAULED.
39. UTILITY POLE AND ASSOCIATED SUPPORT EQUIPMENT OR STRUCTURES, PRESERVE AND PROTECT.
40. STORM DRAIN MANHOLE, PRESERVE AND PROTECT.
41. UTILITY VAULT, PRESERVE AND PROTECT.
42. UTILITY BOX, FIELD VERIFY EQUIPMENT AND TYPE OF SERVICE PIPE. DEMOLISH IRRIGATION PIPES AND SALVAGE ASSOCIATED VALVES FOR OWNER'S USE. PRESERVE AND PROTECT ALL OTHER UTILITY LINES AND APPURTENANCES, UNLESS OTHERWISE NOTED.
43. ELECTRICAL VAULT - RELOCATE TO KEEP CLEAR WITH NEW PATHWAY. COORDINATE WITH ELECTRICAL DRAWINGS.
44. BASEBALL/SOFTBALL BACKSTOP, TO BE DEMOLISHED, INCLUDING FENCING, BENCHES AND FOOTINGS.
45. CORE DRILL THROUGH SLAB AS REQUIRED TO INSTALL NEW POST FOOTING.
46. DEMOLISH OVERHEAD CHAIN LINK FABRIC.
47. REMOVE GATE/FENCE POST. REINSTALL EXISTING CHAIN LINK FABRIC TO NEW GATE POST, SEE COSNTRUCTION PLANS.
48. SAWCUT AND REMOVE PAVING AS REQUIRED TO INSTALL METAL FENCE AND CONCRETE BAND.
49. DEMOLISH CATCH BASIN AND CAP OR REPAIR CONNECTING STORM DRAIN PIPE.
50. KEEP SIDEWALKS CLEAR AT ALL TIMES.
51. REMOVE AND SALVAGE PITCHER'S RUBBER, VIF.
52. APPROXIMATE LIMIT OF WORK LINE FOR ADD-ALTERNATE #3 ONLY.
53. EXISTING IRRIGATION VALVES, PRESERVE AND PROTECT, TOTAL OF 7, VIF.
54. BACKFLOW PREVENTION DEVICE FOR FIRE WATER, PRESERVE AND PROTECT, VIF.
55. BACKFLOW PREVENTION DEVICE FOR DOMESTIC WATER, PRESERVE AND PROTECT, VIF.
56. MATCH LINE, TYP.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
Registration No. 3199
Signature
Renewal Date 12/31/26
STATE OF CALIFORNIA

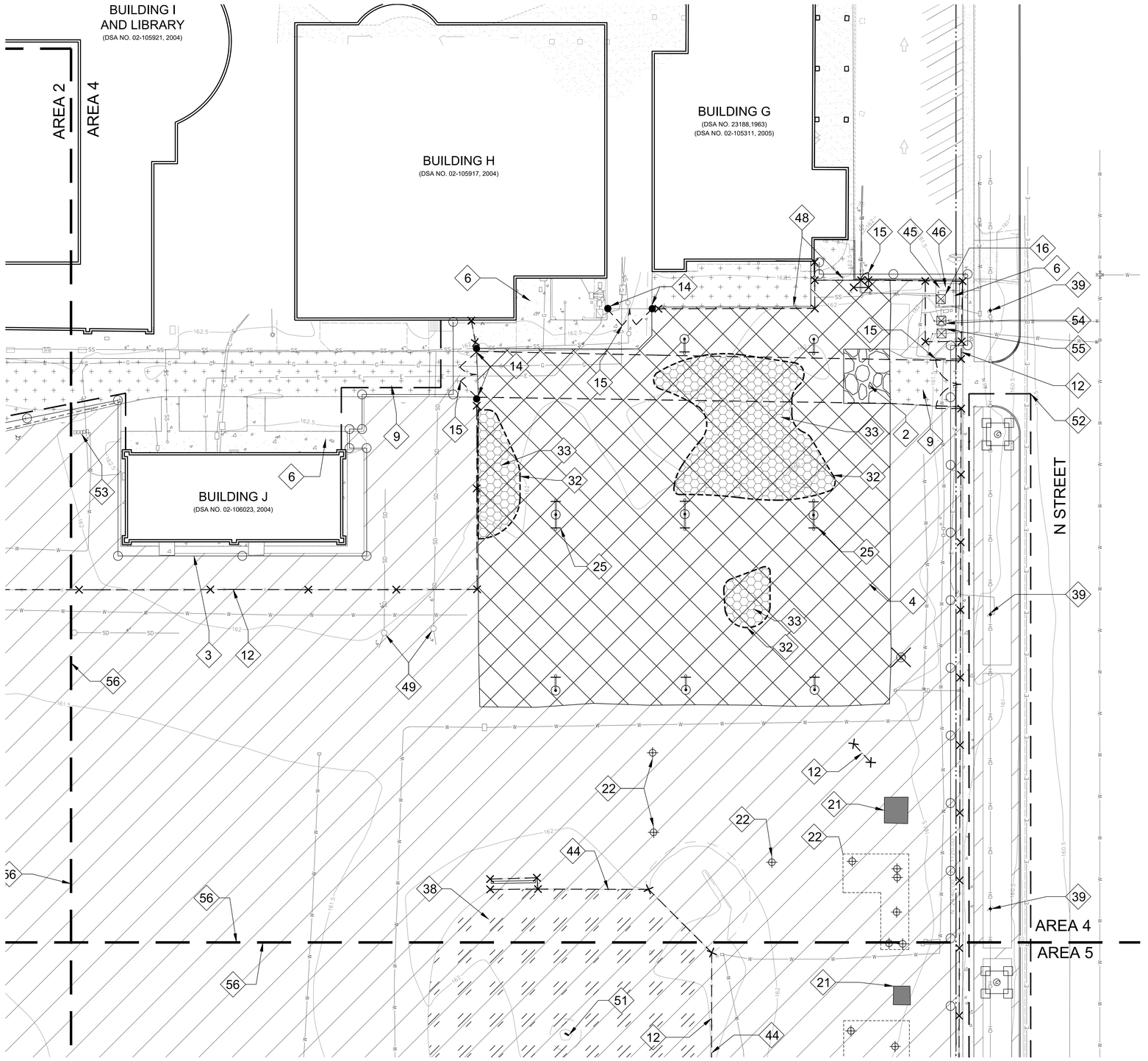
CONSULTANT

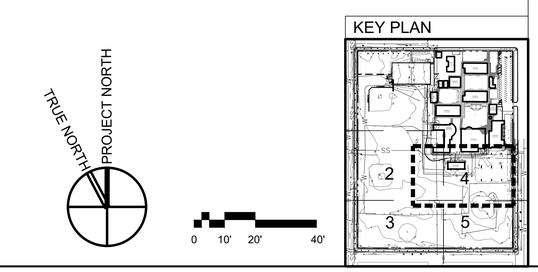
EXISTING CONDITIONS, SITE PREPARATION AND DEMOLITION PLAN: AREA 3

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L1.02





KEY PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	TEMPORARY CONSTRUCTION FENCE	SEE DETAIL 1, SHEET L6.00
	CONCRETE PAVING	PRESERVE AND PROTECT
	CONCRETE PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	PRESERVE AND PROTECT
	ASPHALT PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	ONLY ASPHALT PAVING TO BE DEMOLISHED, BASE ROCK TO REMAIN, U.O.N.
	CLEAR AND GRUB TURF	
	TURF	TO BE PRESERVED
	INFIELD MIX	
	CHAIN LINK FENCE	PRESERVE AND PROTECT
	CHAIN LINK FENCE	TO BE DEMOLISHED
	TREE	PRESERVE AND PROTECT
	TREE PROTECTION FENCE	SEE DETAIL 2, SHEET L6.00
	TREE	TO BE DEMOLISHED
	POLE	TO BE DEMOLISHED
	LIMIT OF WORK LINE	
OH	OVERHEAD ELECTRICAL LINE	PRESERVE AND PROTECT
SS	SANITARY SEWER LINE	PRESERVE AND PROTECT
SD	STORM DRAIN LINE	PRESERVE AND PROTECT
W	WATER LINE	PRESERVE AND PROTECT
	UTILITY POLE	PRESERVE AND PROTECT
	BACKFLOW PREVENTION DEVICE	PRESERVE AND PROTECT
	PROPERTY LINE	
X	KEY NOTE	

KEY NOTES

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7. CONCRETE PAVING, TO BE DEMOLISHED, TYP.
8. CONCRETE CURB, PRESERVE AND PROTECT.
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12. CHAIN LINK FENCE, TO BE DEMOLISHED, COORDINATE WITH CONSTRUCTION PLAN, TYP.
13. CHAIN LINK GATE, PRESERVE AND PROTECT, TYP.
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17. TURF, TO BE PRESERVED.
18. TREE PROTECTION FENCE, TYP.
19. TREE, PRESERVE AND PROTECT, TYP.
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23. BASEBALL BACKSTOP, PRESERVE AND PROTECT, TYP.
24. BASEBALL PLAYER'S BENCH, TO BE PRESERVED.
25. BASKETBALL HOOP STANDARDS, PRESERVE AND PROTECT, TYP.
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27. ELECTRICAL CABINETS, PRESERVE AND PROTECT, VIF.
28. FIRE HYDRANT, PRESERVE AND PROTECT.
29. UNDERGROUND ELECTRICAL LINE, PRESERVE AND PROTECT, VIF.
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53. EXISTING IRRIGATION VALVES, PRESERVE AND PROTECT, TOTAL OF 7, VIF.
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56. MATCH LINE, TYP.

REVISIONS

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LICENSED LANDSCAPE ARCHITECT
3199
Expiration Date
12/31/26
STATE OF CALIFORNIA

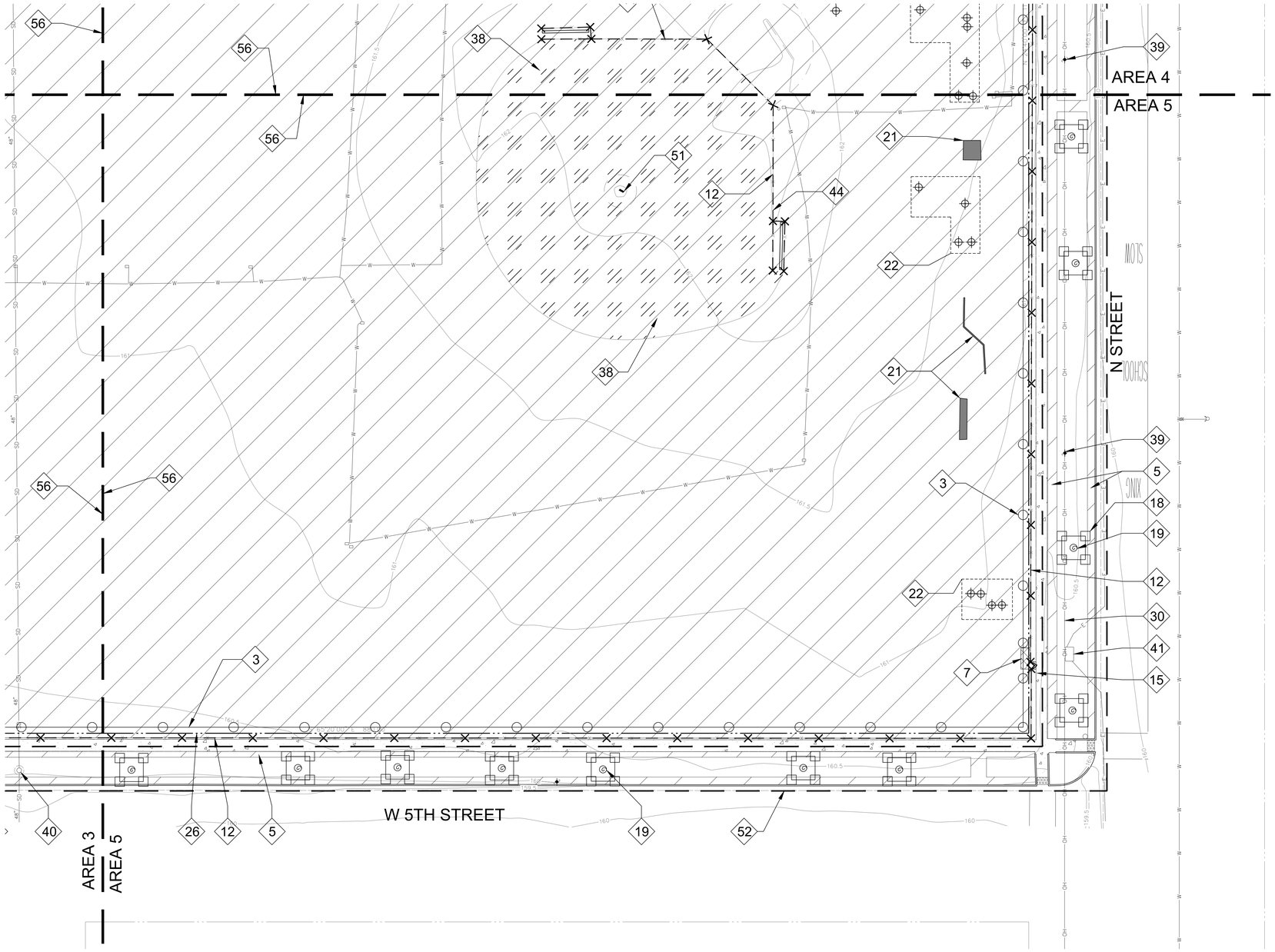
CONSULTANT

EXISTING CONDITIONS, SITE PREPARATION AND DEMOLITION PLAN: AREA 4

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L1.03

100% CONSTRUCTION DOCUMENTS



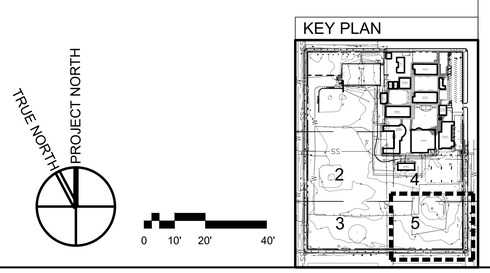
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	TEMPORARY CONSTRUCTION FENCE	SEE DETAIL 1, SHEET L6.00
	CONCRETE PAVING	PRESERVE AND PROTECT
	CONCRETE PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	PRESERVE AND PROTECT
	ASPHALT PAVING	TO BE DEMOLISHED
	ASPHALT PAVING	ONLY ASPHALT PAVING TO BE DEMOLISHED, BASE ROCK TO REMAIN, U.O.N.
	CLEAR AND GRUB TURF	
	TURF	TO BE PRESERVED
	INFIELD MIX	
	CHAIN LINK FENCE	PRESERVE AND PROTECT
	CHAIN LINK FENCE	TO BE DEMOLISHED
	TREE	PRESERVE AND PROTECT
	TREE PROTECTION FENCE	SEE DETAIL 2, SHEET L6.00
	TREE	TO BE DEMOLISHED
	POLE	TO BE DEMOLISHED
	LIMIT OF WORK LINE	
OH	OVERHEAD ELECTRICAL LINE	PRESERVE AND PROTECT
SS	SANITARY SEWER LINE	PRESERVE AND PROTECT
SD	STORM DRAIN LINE	PRESERVE AND PROTECT
W	WATER LINE	PRESERVE AND PROTECT
	UTILITY POLE	PRESERVE AND PROTECT
	BACKFLOW PREVENTION DEVICE	PRESERVE AND PROTECT
	PROPERTY LINE	
X	KEY NOTE	

KEY NOTES

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11. CHAIN LINK FENCE, PRESERVE AND PROTECT, TYP.
12. CHAIN LINK FENCE, TO BE DEMOLISHED, COORDINATE WITH CONSTRUCTION PLAN, TYP.
13. CHAIN LINK GATE, PRESERVE AND PROTECT, TYP.
14. CHAIN LINK GATE POST, PRESERVE AND PROTECT, TYP.
15. CHAIN LINK GATE, TO BE DEMOLISHED, TYP.
16. BACKFLOW PREVENTION DEVICE FOR IRRIGATION WATER, PRESERVE AND PROTECT, VIF.
17. TURF, TO BE PRESERVED.
18. TREE PROTECTION FENCE, TYP.
19. TREE, PRESERVE AND PROTECT, TYP.
20. TREE, TO BE DEMOLISHED, TYP.
21. FITNESS EQUIPMENT, TO BE DEMOLISHED.
22. POLE, TO BE DEMOLISHED.
23. BASEBALL BACKSTOP, PRESERVE AND PROTECT, TYP.
24. BASEBALL PLAYER'S BENCH, TO BE PRESERVED.
25. BASKETBALL HOOP STANDARDS, PRESERVE AND PROTECT, TYP.
26. PROPERTY LINE, TYP.
27. ELECTRICAL CABINETS, PRESERVE AND PROTECT, VIF.
28. FIRE HYDRANT, PRESERVE AND PROTECT.
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55. BACKFLOW PREVENTION DEVICE FOR DOMESTIC WATER, PRESERVE AND PROTECT, VIF.
56. MATCH LINE, TYP.



KEY PLAN

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

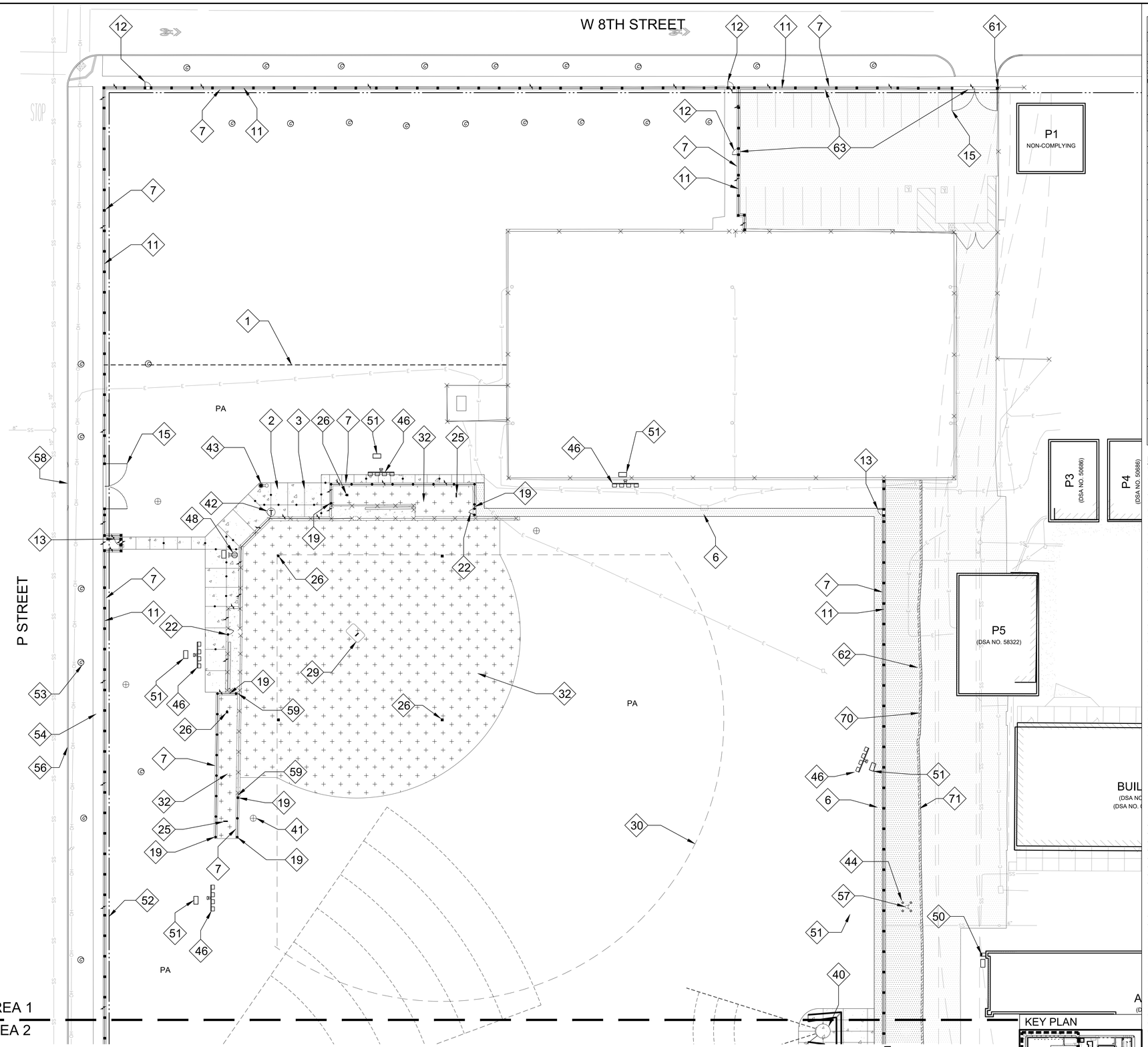
CONSULTANT

EXISTING CONDITIONS, SITE PREPARATION AND DEMOLITION PLAN: AREA 5

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L1.04



LEGEND

SYMBOL	DESCRIPTION	REMARKS
	CONCRETE PAVING SCORE JOINT CONTROL JOINT EXPANSION JOINT	SEE CIVIL DRAWINGS FOR JOINTS, SEE DETAIL 2, SHEET L6.01
	ASPHALT PAVING ASPHALT TACK COAT OVERLAY	SEE DETAIL 3, SHEET L6.01
	INFIELD MIX	SEE DETAIL 6, SHEET L6.04
	DECOMPOSED GRANITE PAVING	SEE DETAIL 9, SHEET L6.01
	TRACK SURFACE	SEE TRACK DRAWINGS
	METAL FENCE, TYPE 'A'	SEE DETAIL 3, SHEET L6.02
	METAL FENCE, TYPE 'B'	SEE DETAIL 4, SHEET L6.02
SINGLE LEAF DOUBLE LEAF	METAL GATE	
	CHAIN LINK FENCE	SEE DETAIL 7, SHEET L6.03
SINGLE LEAF DOUBLE LEAF	CHAIN LINK GATE	
PA	PLANTING AREA	
	CATCH BASIN	SEE CIVIL DRAWINGS
T	TRASH RECEPTACLE	SUPPLIED AND INSTALLED BY OWNER
	DRINKING FOUNTAIN AND BOTTLE FILLER	SEE DETAIL 10, SHEET L6.01
	BOLLARD	SEE DETAIL 1, SHEET L6.02
D	LOW LEVEL LIGHT POLE	SEE ELECTRICAL DRAWINGS
E	ELECTRICAL OUTLET	SEE ELECTRICAL DRAWINGS
	EXISTING CONCRETE PAVING	
	EXISTING ASPHALT PAVING	
	EXISTING CHAIN LINK FENCE	
	EXISTING TREE	
X	KEY NOTE	

KEY NOTES

1. LIMIT OF WORK LINE.
2. CONCRETE PAVING, TYP.
3. SCORE JOINT, TYP.
4. CONTROL JOINT, TYP.
5. EXPANSION JOINT, TYP.
6. ASPHALT PAVING, TYP.
7. CONCRETE BAND AT FENCE, 18" WIDE, SEE DETAIL 2, SHEET L6.02, TYP.
8. CONCRETE BAND, 6" WIDE, SEE DETAIL 7, SHEET L6.01.
9. WOOD HEADER, SEE DETAIL 8, SHEET L6.01.
10. METAL FENCE, TYPE 'A', 8' HIGH.
11. METAL FENCE, TYPE 'B', 6' HIGH, TYP.
12. METAL GATE, SINGLE LEAF, 3'-0" WIDE, HEIGHT VARIES PER PLAN, SEE DETAIL 6, SHEET L6.02.
13. METAL GATE WITH PANIC HARDWARE, SINGLE LEAF, 3'-0" WIDE, HEIGHT VARIES PER PLAN, SEE DETAIL 5, SHEET L6.02.
14. METAL GATE, DOUBLE LEAF, 12'-0" WIDE, SEE DETAIL 1, SHEET L6.03.
15. METAL GATE, DOUBLE LEAF, 22'-0" WIDE, SEE DETAIL 1, SHEET L6.03.
16. INSTALL NEW METAL GATE, DOUBLE LEAF, AND ATTACH TO EXISTING CHAIN LINK FENCE POST. EXISTING CHAIN LINK FENCE POST TO BE PAINTED BLACK. FIELD MEASURE WIDTH BETWEEN POSTS, SEE DETAIL 2, SHEET L6.03.
17. CHAIN LINK FENCE, 48" HIGH, ON CONCRETE BAND, 12" WIDE.
18. CHAIN LINK FENCE, 6' HIGH.
19. CHAIN LINK FENCE, 8' HIGH, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH.
20. CHAIN LINK FENCE, 8' HIGH.
21. CHAIN LINK FENCE, 12' HIGH.
22. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH, SEE DETAIL 8, SHEET L6.03.
23. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, SEE DETAIL 8, SHEET L6.03.
24. CHAIN LINK GATE, DOUBLE LEAF, 48" HIGH AND 10'-0" WIDE, SEE DETAIL 1, SHEET L6.04.
25. PITCHER'S RUBBER, NIC.
26. BALLFIELD BASES OR HOME PLATE, NIC.
27. BALLFIELD BACKSTOP, SEE DETAIL 6, SHEET L6.04.
28. CONCRETE BAND AT BACKSTOP, SEE DETAIL 8, SHEET L6.04.
29. PORTABLE PITCHER'S MOUND.
30. BALLFIELD HOME RUN LINE, FOR REFERENCE PURPOSE ONLY.
31. BALLFIELD DUGOUT, SEE DETAIL 5, SHEET L6.04.
32. INFIELD MIX, TYP.
33. SOCCER FIELD, FOR REFERENCE PURPOSES ONLY.
34. DECOMPOSED GRANITE PAVING, TYP.
35. TRACK FIELD, SEE TRACK DRAWINGS.
36. LONG JUMP EVENT, SEE TRACK DRAWINGS.
37. HIGH JUMP PAD LOCATION, SEE TRACK DRAWINGS.
38. DISCUS EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
39. PAINTED DISCUS PRACTICE RINGS, 10' DIAMETER CIRCLE, 2" WIDE STRIPE.
40. SHOT PUT EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
41. CATCH BASIN, S.C.D. AND GRADING & DRAINAGE PLANS.
42. TRASH RECEPTACLE, SUPPLIED AND INSTALLED BY OWNER, TYP.
43. DRINKING FOUNTAIN AND BOTTLE FILLER, TYP.
44. BOLLARD, TYP.
45. LOW LEVEL LIGHT POLE, S.E.D, TYP.
46. SPORTS FIELD LIGHT POLE, ADD ALTERNATE #2 ONLY, S.E.D, TYP.
47. SPORTS FIELD LIGHT POLE AT LOW LEVEL LIGHT POLE LOCATION, ADD-ALTERNATE #2 ONLY, LOCATION SHALL BE VERIFIED IN FIELD WITH LANDSCAPE ARCHITECT. LOW LEVEL LIGHT POLE IS DELETED IN LIEU OF SPORTS FIELD LIGHT POLE FOR ADD-ALTERNATE #2. FOR ADDITIONAL INFORMATION, S.E.D.
48. ELECTRICAL OUTLET, DETERMINE FINAL LOCATION IN THE FIELD, S.E.D.
49. ELECTRICAL PANEL ON CONCRETE PAD, S.E.D.
50. SECURITY CAMERA, S.E.D, TYP.
51. ELECTRICAL PULL BOX, S.E.D, TYP.
52. PROPERTY LINE, TYP.
53. EXISTING TREE, PRESERVE AND PROTECT, TYP.
54. EXISTING CONCRETE PAVING, TO BE PRESERVED, TYP.
55. EXISTING ASPHALT PAVING, TO BE PRESERVED, TYP.
56. EXISTING CONCRETE CURB, TO BE PRESERVED, TYP.
57. EXISTING FIRE HYDRANT, PRESERVE AND PROTECT.
58. LOCATION OF EXISTING CURB CUT, VIF.
59. EXTEND AND ATTACH NEW CHAIN LINK FABRIC TO EXISTING CHAIN LINK FENCE POST.
60. ATTACH NEW FENCING TO EXISTING FENCE POST.
61. ATTACH EXISTING CHAIN LINK FENCE FABRIC TO NEW GATE POST.
62. MODIFY SURFACE OF EXISTING ASPHALT TO ACCEPT NEW ASPHALT PAVING, SEE DETAIL 4, SHEET L6.01.
63. REPAIR EXISTING ASPHALT PAVING WHERE NEW CONCRETE BAND IS INSTALLED.
64. ELECTRICAL EQUIPMENT ENCLOSURE, SEE SHEET L6.08 AND SHEET E1.2.
65. BACKFLOW PREVENTER ENCLOSURE, SEE SHEET L6.07.
66. STORM DRAIN EASEMENT.
67. METAL GATE AT ELECTRICAL EQUIPMENT ENCLOSURE, SINGLE LEAF, SEE DETAIL 7, SHEET L6.02.
68. SAND AT LONG JUMP EVENT, SEE TRACK DRAWINGS.
69. SECURITY CAMERA ON POLE, FINAL LOCATION OF POLE TO BE DETERMINED IN THE FIELD, S.E.D.
70. ASPHALT SAWCUT LINE, SEE DETAIL 5, SHEET L6.01.
71. ASPHALT TACK COAT OVERLAY, SEE DETAIL 5, SHEET L6.01.
72. FIRE LANE.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
BRIAN TANAKA
3199
Expiration / Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

CONSTRUCTION PLAN:
AREA 1

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L2.00

AREA 1

AREA 2

AREA 3

P STREET

AREA 2

AREA 4

BUI
AND
(DSA NO.

PA

TRUE NORTH

PROJECT NORTH

0 10' 20' 40'

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	CONCRETE PAVING SCORE JOINT CONTROL JOINT EXPANSION JOINT	SEE CIVIL DRAWINGS FOR JOINTS, SEE DETAIL 2, SHEET L6.01
	ASPHALT PAVING ASPHALT TACK COAT OVERLAY	SEE DETAIL 3, SHEET L6.01
	INFIELD MIX	SEE DETAIL 6, SHEET L6.04
	DECOMPOSED GRANITE PAVING	SEE DETAIL 9, SHEET L6.01
	TRACK SURFACE	SEE TRACK DRAWINGS
	METAL FENCE, TYPE 'A'	SEE DETAIL 3, SHEET L6.02
	METAL FENCE, TYPE 'B'	SEE DETAIL 4, SHEET L6.02
SINGLE LEAF DOUBLE LEAF	METAL GATE	
	CHAIN LINK FENCE	SEE DETAIL 7, SHEET L6.03
SINGLE LEAF DOUBLE LEAF	CHAIN LINK GATE	
PA	PLANTING AREA	
	CATCH BASIN	SEE CIVIL DRAWINGS
T	TRASH RECEPTACLE	SUPPLIED AND INSTALLED BY OWNER
	DRINKING FOUNTAIN AND BOTTLE FILLER	SEE DETAIL 10, SHEET L6.01
	BOLLARD	SEE DETAIL 1, SHEET L6.02
D	LOW LEVEL LIGHT POLE	SEE ELECTRICAL DRAWINGS
	ELECTRICAL OUTLET	SEE ELECTRICAL DRAWINGS
	EXISTING CONCRETE PAVING	
	EXISTING ASPHALT PAVING	
	EXISTING CHAIN LINK FENCE	
	EXISTING TREE	
X	KEY NOTE	

KEY NOTES

1. LIMIT OF WORK LINE.
2. CONCRETE PAVING, TYP.
3. SCORE JOINT, TYP.
4. CONTROL JOINT, TYP.
5. EXPANSION JOINT, TYP.
6. ASPHALT PAVING, TYP.
7. CONCRETE BAND AT FENCE, 18" WIDE, SEE DETAIL 2, SHEET L6.02, TYP.
8. CONCRETE BAND, 6" WIDE, SEE DETAIL 7, SHEET L6.01.
9. WOOD HEADER, SEE DETAIL 8, SHEET L6.01.
10. METAL FENCE, TYPE 'A', 8' HIGH.
11. METAL FENCE, TYPE 'B', 6' HIGH, TYP.
12. METAL GATE, SINGLE LEAF, 3'-0" WIDE, HEIGHT VARIES PER PLAN, SEE DETAIL 6, SHEET L6.02.
13. METAL GATE WITH PANIC HARDWARE, SINGLE LEAF, 3'-0" WIDE, HEIGHT VARIES PER PLAN, SEE DETAIL 5, SHEET L6.02.
14. METAL GATE, DOUBLE LEAF, 12'-0" WIDE, SEE DETAIL 1, SHEET L6.03.
15. METAL GATE, DOUBLE LEAF, 22'-0" WIDE, SEE DETAIL 1, SHEET L6.03.
16. INSTALL NEW METAL GATE, DOUBLE LEAF, AND ATTACH TO EXISTING CHAIN LINK FENCE POST. EXISTING CHAIN LINK FENCE POST TO BE PAINTED BLACK. FIELD MEASURE WIDTH BETWEEN POSTS, SEE DETAIL 2, SHEET L6.03.
17. CHAIN LINK FENCE, 48" HIGH, ON CONCRETE BAND, 12" WIDE.
18. CHAIN LINK FENCE, 6' HIGH.
19. CHAIN LINK FENCE, 8' HIGH, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH.
20. CHAIN LINK FENCE, 8' HIGH.
21. CHAIN LINK FENCE, 12' HIGH.
22. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH, SEE DETAIL 8, SHEET L6.03.
23. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, SEE DETAIL 8, SHEET L6.03.
24. CHAIN LINK GATE, DOUBLE LEAF, 48" HIGH AND 10'-0" WIDE, SEE DETAIL 1, SHEET L6.04.
25. PITCHER'S RUBBER, NIC.
26. BALLFIELD BASES OR HOME PLATE, NIC.
27. BALLFIELD BACKSTOP, SEE DETAIL 6, SHEET L6.04.
28. CONCRETE BAND AT BACKSTOP, SEE DETAIL 8, SHEET L6.04.
29. PORTABLE PITCHER'S MOUND.
30. BALLFIELD HOME RUN LINE, FOR REFERENCE PURPOSE ONLY.
31. BALLFIELD DUGOUT, SEE DETAIL 5, SHEET L6.04.
32. INFIELD MIX, TYP.
33. SOCCER FIELD, FOR REFERENCE PURPOSES ONLY.
34. DECOMPOSED GRANITE PAVING, TYP.
35. TRACK FIELD, SEE TRACK DRAWINGS.
36. LONG JUMP EVENT, SEE TRACK DRAWINGS.
37. HIGH JUMP PAD LOCATION, SEE TRACK DRAWINGS.
38. DISCUS EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
39. PAINTED DISCUS PRACTICE RINGS, 10' DIAMETER CIRCLE, 2" WIDE STRIPE.
40. SHOT PUT EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
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44. BOLLARD, TYP.
45. LOW LEVEL LIGHT POLE, S.E.D, TYP.
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49. ELECTRICAL PANEL ON CONCRETE PAD, S.E.D.
50. SECURITY CAMERA, S.E.D, TYP.
51. ELECTRICAL PULL BOX, S.E.D, TYP.
52. PROPERTY LINE, TYP.
53. EXISTING TREE, PRESERVE AND PROTECT, TYP.
54. EXISTING CONCRETE PAVING, TO BE PRESERVED, TYP.
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56. EXISTING CONCRETE CURB, TO BE PRESERVED, TYP.
57. EXISTING FIRE HYDRANT, PRESERVE AND PROTECT.
58. LOCATION OF EXISTING CURB CUT, VIF.
59. EXTEND AND ATTACH NEW CHAIN LINK FABRIC TO EXISTING CHAIN LINK FENCE POST.
60. ATTACH NEW FENCING TO EXISTING FENCE POST.
61. ATTACH EXISTING CHAIN LINK FENCE FABRIC TO NEW GATE POST.
62. MODIFY SURFACE OF EXISTING ASPHALT TO ACCEPT NEW ASPHALT PAVING, SEE DETAIL 4, SHEET L6.01.
63. REPAIR EXISTING ASPHALT PAVING WHERE NEW CONCRETE BAND IS INSTALLED.
64. ELECTRICAL EQUIPMENT ENCLOSURE, SEE SHEET L6.08 AND SHEET E1.2.
65. BACKFLOW PREVENTER ENCLOSURE, SEE SHEET L6.07.
66. STORM DRAIN EASEMENT.
67. METAL GATE AT ELECTRICAL EQUIPMENT ENCLOSURE, SINGLE LEAF, SEE DETAIL 7, SHEET L6.02.
68. SAND AT LONG JUMP EVENT, SEE TRACK DRAWINGS.
69. SECURITY CAMERA ON POLE, FINAL LOCATION OF POLE TO BE DETERMINED IN THE FIELD, S.E.D.
70. ASPHALT SAWCUT LINE, SEE DETAIL 5, SHEET L6.01.
71. ASPHALT TACK COAT OVERLAY, SEE DETAIL 5, SHEET L6.01.
72. FIRE LANE.

KEY PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
BRIAN TANAKA
3199
Registration
12/31/26
Renewal Date
STATE OF CALIFORNIA

CONSULTANT

100% CONSTRUCTION DOCUMENTS

CONSTRUCTION PLAN:
AREA 2

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

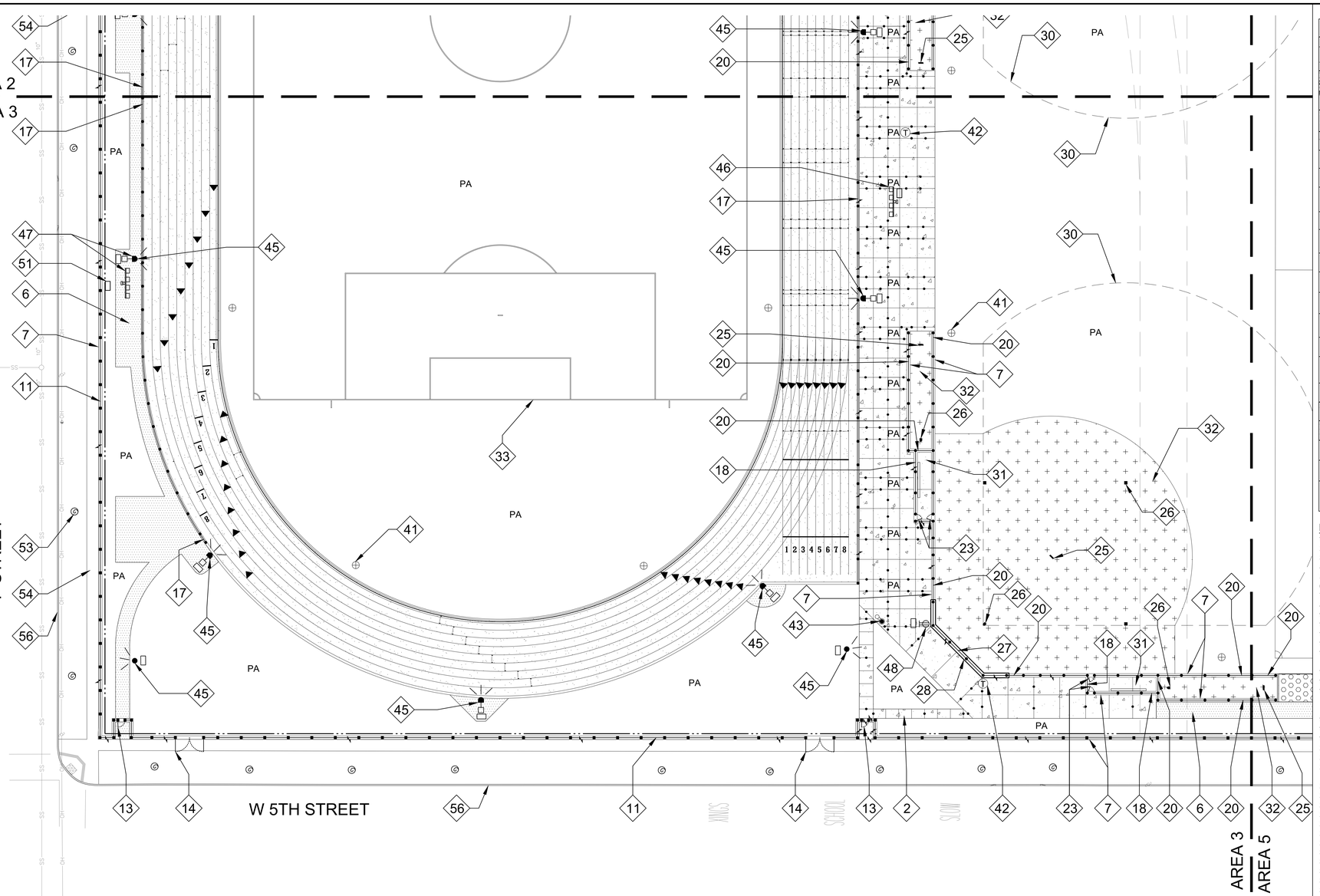
DATE: 01/19/2026

SCALE: SEE PLAN

DRAWN BY: NM

CHECKED BY: BT

SHEET NO.
L2.01



LEGEND

SYMBOL	DESCRIPTION	REMARKS
	CONCRETE PAVING SCORE JOINT CONTROL JOINT EXPANSION JOINT	SEE CIVIL DRAWINGS FOR JOINTS, SEE DETAIL 2, SHEET L6.01
	ASPHALT PAVING ASPHALT TACK COAT OVERLAY	SEE DETAIL 3, SHEET L6.01
	INFIELD MIX	SEE DETAIL 6, SHEET L6.04
	DECOMPOSED GRANITE PAVING	SEE DETAIL 9, SHEET L6.01
	TRACK SURFACE	SEE TRACK DRAWINGS
	METAL FENCE, TYPE 'A'	SEE DETAIL 3, SHEET L6.02
	METAL FENCE, TYPE 'B'	SEE DETAIL 4, SHEET L6.02
SINGLE LEAF DOUBLE LEAF	METAL GATE	
	CHAIN LINK FENCE	SEE DETAIL 7, SHEET L6.03
SINGLE LEAF DOUBLE LEAF	CHAIN LINK GATE	
PA	PLANTING AREA	
	CATCH BASIN	SEE CIVIL DRAWINGS
T	TRASH RECEPTACLE	SUPPLIED AND INSTALLED BY OWNER
	DRINKING FOUNTAIN AND BOTTLE FILLER	SEE DETAIL 10, SHEET L6.01
	BOLLARD	SEE DETAIL 1, SHEET L6.02
D	LOW LEVEL LIGHT POLE	SEE ELECTRICAL DRAWINGS
	ELECTRICAL OUTLET	SEE ELECTRICAL DRAWINGS
	EXISTING CONCRETE PAVING	
	EXISTING ASPHALT PAVING	
	EXISTING CHAIN LINK FENCE	
	EXISTING TREE	
X	KEY NOTE	

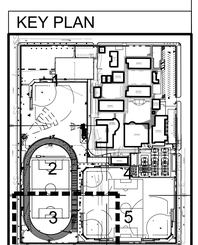
KEY NOTES

1. LIMIT OF WORK LINE.
2. CONCRETE PAVING, TYP.
3. SCORE JOINT, TYP.
4. CONTROL JOINT, TYP.
5. EXPANSION JOINT, TYP.
6. ASPHALT PAVING, TYP.
7. CONCRETE BAND AT FENCE, 18" WIDE, SEE DETAIL 2, SHEET L6.02, TYP.
8. CONCRETE BAND, 6" WIDE, SEE DETAIL 7, SHEET L6.01.
9. WOOD HEADER, SEE DETAIL 8, SHEET L6.01.
10. METAL FENCE, TYPE 'A', 8' HIGH.
11. METAL FENCE, TYPE 'B', 6' HIGH, TYP.
12. METAL GATE, SINGLE LEAF, 3'-0" WIDE, HEIGHT VARIES PER PLAN, SEE DETAIL 6, SHEET L6.02.
13. METAL GATE WITH PANIC HARDWARE, SINGLE LEAF, 3'-0" WIDE, HEIGHT VARIES PER PLAN, SEE DETAIL 5, SHEET L6.02.
14. METAL GATE, DOUBLE LEAF, 12'-0" WIDE, SEE DETAIL 1, SHEET L6.03.
15. METAL GATE, DOUBLE LEAF, 22'-0" WIDE, SEE DETAIL 1, SHEET L6.03.
16. INSTALL NEW METAL GATE, DOUBLE LEAF, AND ATTACH TO EXISTING CHAIN LINK FENCE POST. EXISTING CHAIN LINK FENCE POST TO BE PAINTED BLACK. FIELD MEASURE WIDTH BETWEEN POSTS, SEE DETAIL 2, SHEET L6.03.
17. CHAIN LINK FENCE, 48" HIGH, ON CONCRETE BAND, 12" WIDE.
18. CHAIN LINK FENCE, 6' HIGH.
19. CHAIN LINK FENCE, 8' HIGH, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH.
20. CHAIN LINK FENCE, 8' HIGH.
21. CHAIN LINK FENCE, 12' HIGH.
22. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH, SEE DETAIL 8, SHEET L6.03.
23. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, SEE DETAIL 8, SHEET L6.03.
24. CHAIN LINK GATE, DOUBLE LEAF, 48" HIGH AND 10'-0" WIDE, SEE DETAIL 1, SHEET L6.04.
25. PITCHER'S RUBBER, NIC.
26. BALLFIELD BASES OR HOME PLATE, NIC.
27. BALLFIELD BACKSTOP, SEE DETAIL 6, SHEET L6.04.
28. CONCRETE BAND AT BACKSTOP, SEE DETAIL 8, SHEET L6.04.
29. PORTABLE PITCHER'S MOUND.
30. BALLFIELD HOME RUN LINE, FOR REFERENCE PURPOSE ONLY.
31. BALLFIELD DUGOUT, SEE DETAIL 5, SHEET L6.04.
32. INFIELD MIX, TYP.
33. SOCCER FIELD, FOR REFERENCE PURPOSES ONLY.
34. DECOMPOSED GRANITE PAVING, TYP.
35. TRACK FIELD, SEE TRACK DRAWINGS.
36. LONG JUMP EVENT, SEE TRACK DRAWINGS.
37. HIGH JUMP PAD LOCATION, SEE TRACK DRAWINGS.
38. DISCUS EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
39. PAINTED DISCUS PRACTICE RINGS, 10' DIAMETER CIRCLE, 2" WIDE STRIPE.
40. SHOT PUT EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
41. CATCH BASIN, S.C.D. AND GRADING & DRAINAGE PLANS.
42. TRASH RECEPTACLE, SUPPLIED AND INSTALLED BY OWNER, TYP.
43. DRINKING FOUNTAIN AND BOTTLE FILLER, TYP.
44. BOLLARD, TYP.
45. LOW LEVEL LIGHT POLE, S.E.D, TYP.
46. SPORTS FIELD LIGHT POLE, ADD ALTERNATE #2 ONLY, S.E.D, TYP.
47. SPORTS FIELD LIGHT POLE AT LOW LEVEL LIGHT POLE LOCATION, ADD-ALTERNATE #2 ONLY, LOCATION SHALL BE VERIFIED IN FIELD WITH LANDSCAPE ARCHITECT. LOW LEVEL LIGHT POLE IS DELETED IN LIEU OF SPORTS FIELD LIGHT POLE FOR ADD-ALTERNATE #2. FOR ADDITIONAL INFORMATION, S.E.D.
48. ELECTRICAL OUTLET, DETERMINE FINAL LOCATION IN THE FIELD, S.E.D.
49. ELECTRICAL PANEL ON CONCRETE PAD, S.E.D.
50. SECURITY CAMERA, S.E.D, TYP.
51. ELECTRICAL PULL BOX, S.E.D, TYP.
52. PROPERTY LINE, TYP.
53. EXISTING TREE, PRESERVE AND PROTECT, TYP.
54. EXISTING CONCRETE PAVING, TO BE PRESERVED, TYP.
55. EXISTING ASPHALT PAVING, TO BE PRESERVED, TYP.
56. EXISTING CONCRETE CURB, TO BE PRESERVED, TYP.
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58. LOCATION OF EXISTING CURB CUT, VIF.
59. EXTEND AND ATTACH NEW CHAIN LINK FABRIC TO EXISTING CHAIN LINK FENCE POST.
60. ATTACH NEW FENCING TO EXISTING FENCE POST.
61. ATTACH EXISTING CHAIN LINK FENCE FABRIC TO NEW GATE POST.
62. MODIFY SURFACE OF EXISTING ASPHALT TO ACCEPT NEW ASPHALT PAVING, SEE DETAIL 4, SHEET L6.01.
63. REPAIR EXISTING ASPHALT PAVING WHERE NEW CONCRETE BAND IS INSTALLED.
64. ELECTRICAL EQUIPMENT ENCLOSURE, SEE SHEET L6.08 AND SHEET E1.2.
65. BACKFLOW PREVENTER ENCLOSURE, SEE SHEET L6.07.
66. STORM DRAIN EASEMENT.
67. METAL GATE AT ELECTRICAL EQUIPMENT ENCLOSURE, SINGLE LEAF, SEE DETAIL 7, SHEET L6.02.
68. SAND AT LONG JUMP EVENT, SEE TRACK DRAWINGS.
69. SECURITY CAMERA ON POLE, FINAL LOCATION OF POLE TO BE DETERMINED IN THE FIELD, S.E.D.
70. ASPHALT SAWCUT LINE, SEE DETAIL 5, SHEET L6.01.
71. ASPHALT TACK COAT OVERLAY, SEE DETAIL 5, SHEET L6.01.
72. FIRE LANE.



0 10' 20' 40'

KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
REGISTERED 3199
Signature
Expiration/Renewal Date 12/31/26
STATE OF CALIFORNIA

CONSULTANT

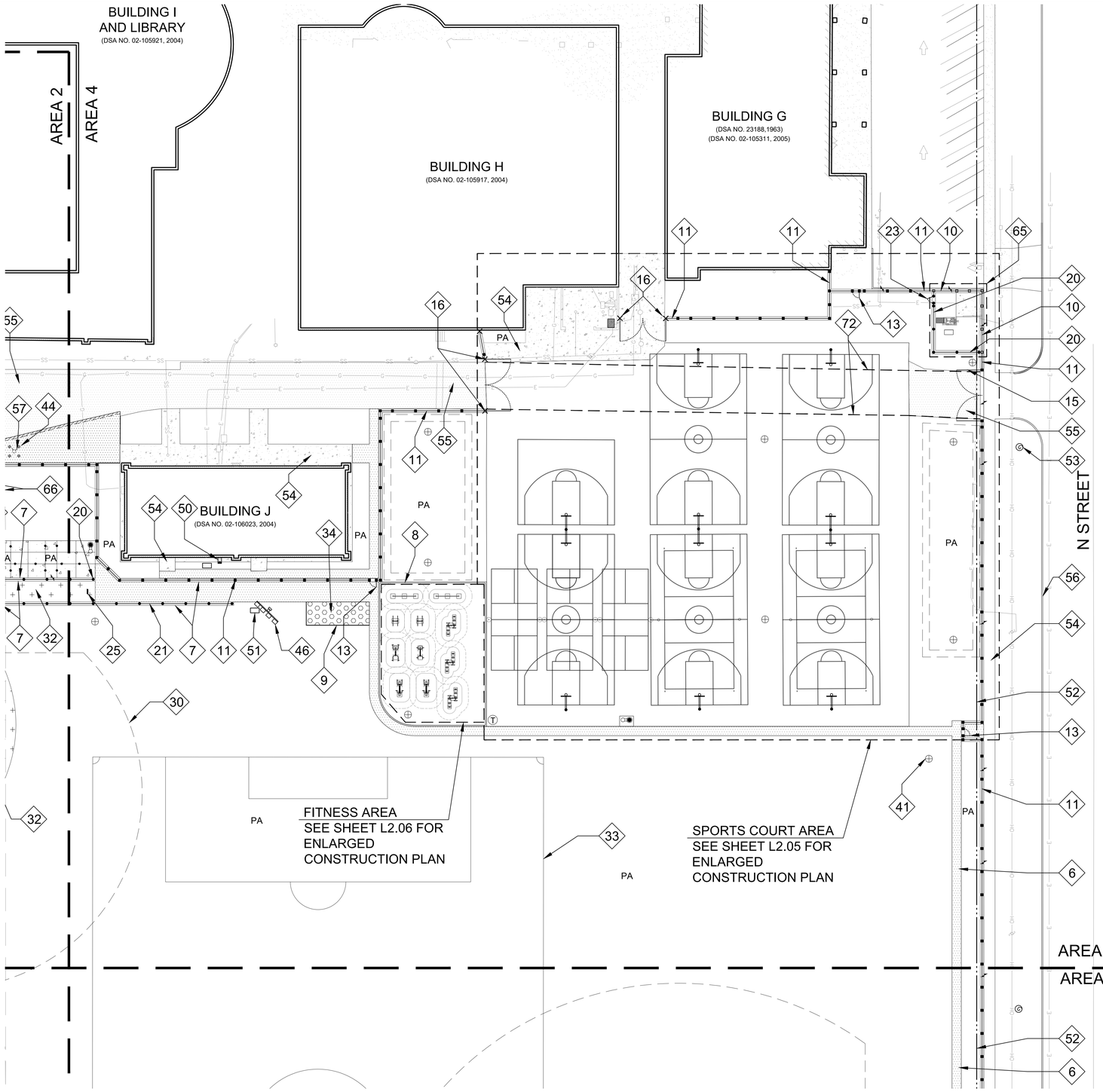
CONSTRUCTION PLAN:
AREA 3

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT

SHEET NO.
L2.02



LEGEND

SYMBOL	DESCRIPTION	REMARKS
	CONCRETE PAVING SCORE JOINT CONTROL JOINT EXPANSION JOINT	SEE CIVIL DRAWINGS FOR JOINTS, SEE DETAIL 2, SHEET L6.01
	ASPHALT PAVING ASPHALT TACK COAT OVERLAY	SEE DETAIL 3, SHEET L6.01
	INFIELD MIX	SEE DETAIL 6, SHEET L6.04
	DECOMPOSED GRANITE PAVING	SEE DETAIL 9, SHEET L6.01
	TRACK SURFACE	SEE TRACK DRAWINGS
	METAL FENCE, TYPE 'A'	SEE DETAIL 3, SHEET L6.02
	METAL FENCE, TYPE 'B'	SEE DETAIL 4, SHEET L6.02
SINGLE LEAF DOUBLE LEAF	METAL GATE	
	CHAIN LINK FENCE	SEE DETAIL 7, SHEET L6.03
SINGLE LEAF DOUBLE LEAF	CHAIN LINK GATE	
PA	PLANTING AREA	
	CATCH BASIN	SEE CIVIL DRAWINGS
T	TRASH RECEPTACLE	SUPPLIED AND INSTALLED BY OWNER
	DRINKING FOUNTAIN AND BOTTLE FILLER	SEE DETAIL 10, SHEET L6.01
	BOLLARD	SEE DETAIL 1, SHEET L6.02
D	LOW LEVEL LIGHT POLE	SEE ELECTRICAL DRAWINGS
	ELECTRICAL OUTLET	SEE ELECTRICAL DRAWINGS
	EXISTING CONCRETE PAVING	
	EXISTING ASPHALT PAVING	
	EXISTING CHAIN LINK FENCE	
	EXISTING TREE	
X	KEY NOTE	

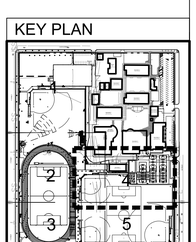
KEY NOTES

1. LIMIT OF WORK LINE.
2. CONCRETE PAVING, TYP.
3. SCORE JOINT, TYP.
4. CONTROL JOINT, TYP.
5. EXPANSION JOINT, TYP.
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18. CHAIN LINK FENCE, 6' HIGH.
19. CHAIN LINK FENCE, 8' HIGH, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH.
20. CHAIN LINK FENCE, 8' HIGH.
21. CHAIN LINK FENCE, 12' HIGH.
22. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH, SEE DETAIL 8, SHEET L6.03.
23. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, SEE DETAIL 8, SHEET L6.03.
24. CHAIN LINK GATE, DOUBLE LEAF, 48" HIGH AND 10'-0" WIDE, SEE DETAIL 1, SHEET L6.04.
25. PITCHER'S RUBBER, NIC.
26. BALLFIELD BASES OR HOME PLATE, NIC.
27. BALLFIELD BACKSTOP, SEE DETAIL 6, SHEET L6.04.
28. CONCRETE BAND AT BACKSTOP, SEE DETAIL 8, SHEET L6.04.
29. PORTABLE PITCHER'S MOUND.
30. BALLFIELD HOME RUN LINE, FOR REFERENCE PURPOSE ONLY.
31. BALLFIELD DUGOUT, SEE DETAIL 5, SHEET L6.04.
32. INFIELD MIX, TYP.
33. SOCCER FIELD, FOR REFERENCE PURPOSES ONLY.
34. DECOMPOSED GRANITE PAVING, TYP.
35. TRACK FIELD, SEE TRACK DRAWINGS.
36. LONG JUMP EVENT, SEE TRACK DRAWINGS.
37. HIGH JUMP PAD LOCATION, SEE TRACK DRAWINGS.
38. DISCUS EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
39. PAINTED DISCUS PRACTICE RINGS, 10' DIAMETER CIRCLE, 2" WIDE STRIPE.
40. SHOT PUT EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
41. CATCH BASIN, S.C.D. AND GRADING & DRAINAGE PLANS.
42. TRASH RECEPTACLE, SUPPLIED AND INSTALLED BY OWNER, TYP.
43. DRINKING FOUNTAIN AND BOTTLE FILLER, TYP.
44. BOLLARD, TYP.
45. LOW LEVEL LIGHT POLE, S.E.D, TYP.
46. SPORTS FIELD LIGHT POLE, ADD ALTERNATE #2 ONLY, S.E.D, TYP.
47. SPORTS FIELD LIGHT POLE AT LOW LEVEL LIGHT POLE LOCATION, ADD-ALTERNATE #2 ONLY, LOCATION SHALL BE VERIFIED IN FIELD WITH LANDSCAPE ARCHITECT. LOW LEVEL LIGHT POLE IS DELETED IN LIEU OF SPORTS FIELD LIGHT POLE FOR ADD-ALTERNATE #2. FOR ADDITIONAL INFORMATION, S.E.D.
48. ELECTRICAL OUTLET, DETERMINE FINAL LOCATION IN THE FIELD, S.E.D.
49. ELECTRICAL PANEL ON CONCRETE PAD, S.E.D.
50. SECURITY CAMERA, S.E.D, TYP.
51. ELECTRICAL PULL BOX, S.E.D, TYP.
52. PROPERTY LINE, TYP.
53. EXISTING TREE, PRESERVE AND PROTECT, TYP.
54. EXISTING CONCRETE PAVING, TO BE PRESERVED, TYP.
55. EXISTING ASPHALT PAVING, TO BE PRESERVED, TYP.
56. EXISTING CONCRETE CURB, TO BE PRESERVED, TYP.
57. EXISTING FIRE HYDRANT, PRESERVE AND PROTECT.
58. LOCATION OF EXISTING CURB CUT, VIF.
59. EXTEND AND ATTACH NEW CHAIN LINK FABRIC TO EXISTING CHAIN LINK FENCE POST.
60. ATTACH NEW FENCING TO EXISTING FENCE POST.
61. ATTACH EXISTING CHAIN LINK FENCE FABRIC TO NEW GATE POST.
62. MODIFY SURFACE OF EXISTING ASPHALT TO ACCEPT NEW ASPHALT PAVING, SEE DETAIL 4, SHEET L6.01.
63. REPAIR EXISTING ASPHALT PAVING WHERE NEW CONCRETE BAND IS INSTALLED.
64. ELECTRICAL EQUIPMENT ENCLOSURE, SEE SHEET L6.08 AND SHEET E1.2.
65. BACKFLOW PREVENTER ENCLOSURE, SEE SHEET L6.07.
66. STORM DRAIN EASEMENT.
67. METAL GATE AT ELECTRICAL EQUIPMENT ENCLOSURE, SINGLE LEAF, SEE DETAIL 7, SHEET L6.02.
68. SAND AT LONG JUMP EVENT, SEE TRACK DRAWINGS.
69. SECURITY CAMERA ON POLE, FINAL LOCATION OF POLE TO BE DETERMINED IN THE FIELD, S.E.D.
70. ASPHALT SAWCUT LINE, SEE DETAIL 5, SHEET L6.01.
71. ASPHALT TACK COAT OVERLAY, SEE DETAIL 5, SHEET L6.01.
72. FIRE LANE.





KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

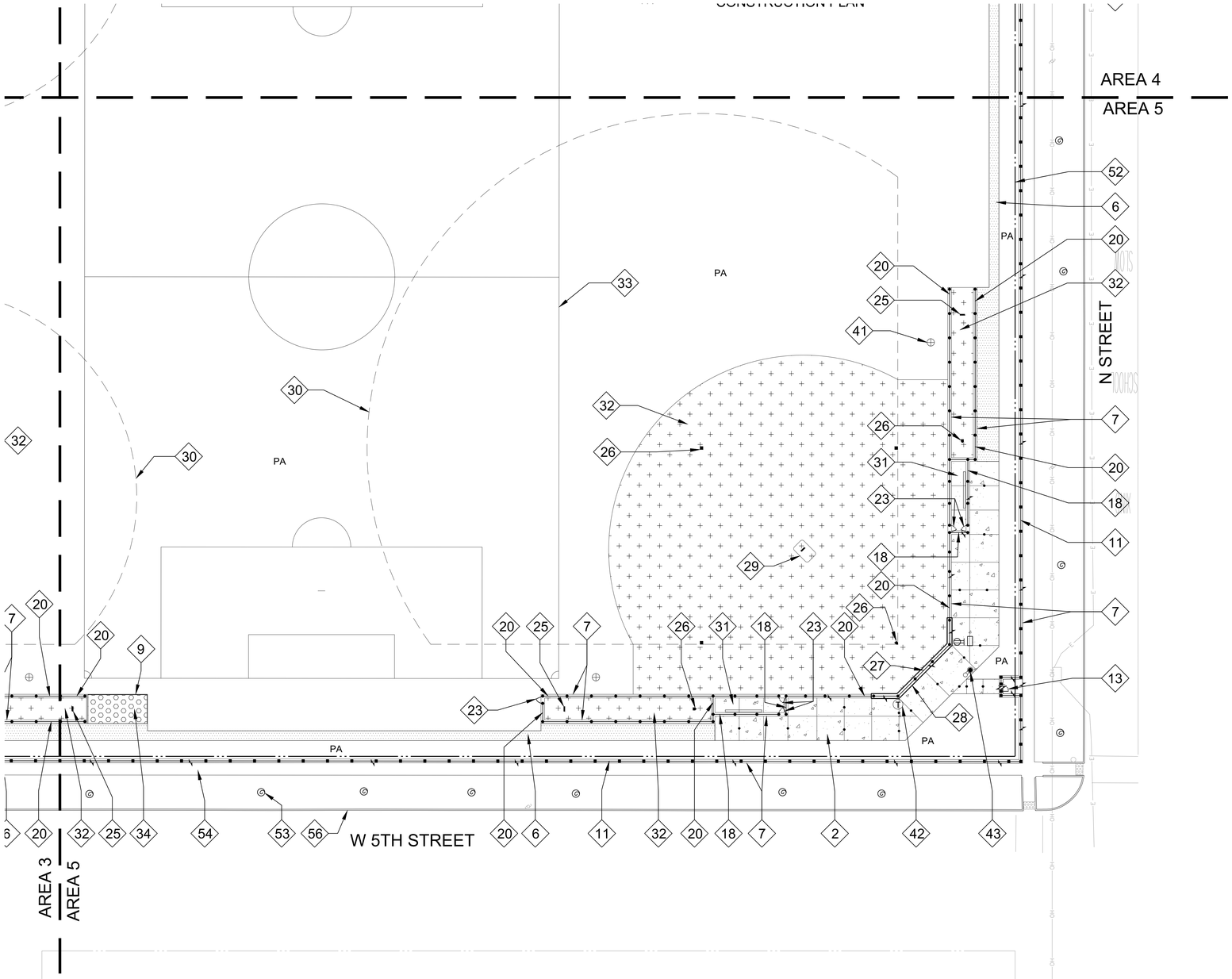
CONSULTANT

CONSTRUCTION PLAN:
AREA 4

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L2.03

100% CONSTRUCTION DOCUMENTS

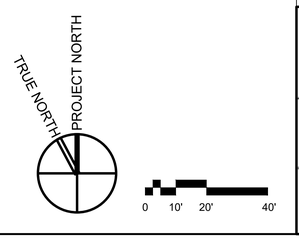


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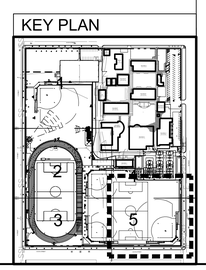
SYMBOL	DESCRIPTION	REMARKS
CONTROL JOINT / EXPANSION JOINT	CONCRETE PAVING SCORE JOINT	SEE CIVIL DRAWINGS FOR JOINTS, SEE DETAIL 2, SHEET L6.01
ASPHALT TACK COAT OVERLAY	ASPHALT PAVING	SEE DETAIL 3, SHEET L6.01
	INFIELD MIX	SEE DETAIL 6, SHEET L6.04
	DECOMPOSED GRANITE PAVING	SEE DETAIL 9, SHEET L6.01
	TRACK SURFACE	SEE TRACK DRAWINGS
	METAL FENCE, TYPE 'A'	SEE DETAIL 3, SHEET L6.02
	METAL FENCE, TYPE 'B'	SEE DETAIL 4, SHEET L6.02
SINGLE LEAF / DOUBLE LEAF	METAL GATE	
	CHAIN LINK FENCE	SEE DETAIL 7, SHEET L6.03
SINGLE LEAF / DOUBLE LEAF	CHAIN LINK GATE	
PA	PLANTING AREA	
	CATCH BASIN	SEE CIVIL DRAWINGS
T	TRASH RECEPTACLE	SUPPLIED AND INSTALLED BY OWNER
	DRINKING FOUNTAIN AND BOTTLE FILLER	SEE DETAIL 10, SHEET L6.01
	BOLLARD	SEE DETAIL 1, SHEET L6.02
D	LOW LEVEL LIGHT POLE	SEE ELECTRICAL DRAWINGS
	ELECTRICAL OUTLET	SEE ELECTRICAL DRAWINGS
	EXISTING CONCRETE PAVING	
	EXISTING ASPHALT PAVING	
	EXISTING CHAIN LINK FENCE	
	EXISTING TREE	
X	KEY NOTE	

KEY NOTES

1. LIMIT OF WORK LINE.
2. CONCRETE PAVING, TYP.
3. SCORE JOINT, TYP.
4. CONTROL JOINT, TYP.
5. EXPANSION JOINT, TYP.
6. ASPHALT PAVING, TYP.
7. CONCRETE BAND AT FENCE, 18" WIDE, SEE DETAIL 2, SHEET L6.02, TYP.
8. CONCRETE BAND, 6" WIDE, SEE DETAIL 7, SHEET L6.01.
9. WOOD HEADER, SEE DETAIL 8, SHEET L6.01.
10. METAL FENCE, TYPE 'A', 8' HIGH.
11. METAL FENCE, TYPE 'B', 6' HIGH, TYP.
12. METAL GATE, SINGLE LEAF, 3'-0" WIDE, HEIGHT VARIES PER PLAN, SEE DETAIL 6, SHEET L6.02.
13. METAL GATE WITH PANIC HARDWARE, SINGLE LEAF, 3'-0" WIDE, HEIGHT VARIES PER PLAN, SEE DETAIL 5, SHEET L6.02.
14. METAL GATE, DOUBLE LEAF, 12'-0" WIDE, SEE DETAIL 1, SHEET L6.03.
15. METAL GATE, DOUBLE LEAF, 22'-0" WIDE, SEE DETAIL 1, SHEET L6.03.
16. INSTALL NEW METAL GATE, DOUBLE LEAF, AND ATTACH TO EXISTING CHAIN LINK FENCE POST. EXISTING CHAIN LINK FENCE POST TO BE PAINTED BLACK. FIELD MEASURE WIDTH BETWEEN POSTS, SEE DETAIL 2, SHEET L6.03.
17. CHAIN LINK FENCE, 48" HIGH, ON CONCRETE BAND, 12" WIDE.
18. CHAIN LINK FENCE, 6' HIGH.
19. CHAIN LINK FENCE, 8' HIGH, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH.
20. CHAIN LINK FENCE, 8' HIGH.
21. CHAIN LINK FENCE, 12' HIGH.
22. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, GALVANIZED FINISH TO MATCH EXISTING FENCE FINISH, SEE DETAIL 8, SHEET L6.03.
23. CHAIN LINK GATE, SINGLE LEAF, 3'-0" WIDE, SEE DETAIL 8, SHEET L6.03.
24. CHAIN LINK GATE, DOUBLE LEAF, 48" HIGH AND 10'-0" WIDE, SEE DETAIL 1, SHEET L6.04.
25. PITCHER'S RUBBER, NIC.
26. BALLFIELD BASES OR HOME PLATE, NIC.
27. BALLFIELD BACKSTOP, SEE DETAIL 6, SHEET L6.04.
28. CONCRETE BAND AT BACKSTOP, SEE DETAIL 8, SHEET L6.04.
29. PORTABLE PITCHER'S MOUND.
30. BALLFIELD HOME RUN LINE, FOR REFERENCE PURPOSE ONLY.
31. BALLFIELD DUGOUT, SEE DETAIL 5, SHEET L6.04.
32. INFIELD MIX, TYP.
33. SOCCER FIELD, FOR REFERENCE PURPOSES ONLY.
34. DECOMPOSED GRANITE PAVING, TYP.
35. TRACK FIELD, SEE TRACK DRAWINGS.
36. LONG JUMP EVENT, SEE TRACK DRAWINGS.
37. HIGH JUMP PAD LOCATION, SEE TRACK DRAWINGS.
38. DISCUS EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
39. PAINTED DISCUS PRACTICE RINGS, 10' DIAMETER CIRCLE, 2" WIDE STRIPE.
40. SHOT PUT EVENT, SEE TRACK DRAWINGS. FOR DRAINAGE INFORMATION, SEE SHEET L3.01.
41. CATCH BASIN, S.C.D. AND GRADING & DRAINAGE PLANS.
42. TRASH RECEPTACLE, SUPPLIED AND INSTALLED BY OWNER, TYP.
43. DRINKING FOUNTAIN AND BOTTLE FILLER, TYP.
44. BOLLARD, TYP.
45. LOW LEVEL LIGHT POLE, S.E.D, TYP.
46. SPORTS FIELD LIGHT POLE, ADD ALTERNATE #2 ONLY, S.E.D, TYP.
47. SPORTS FIELD LIGHT POLE AT LOW LEVEL LIGHT POLE LOCATION, ADD-ALTERNATE #2 ONLY, LOCATION SHALL BE VERIFIED IN FIELD WITH LANDSCAPE ARCHITECT. LOW LEVEL LIGHT POLE IS DELETED IN LIEU OF SPORTS FIELD LIGHT POLE FOR ADD-ALTERNATE #2. FOR ADDITIONAL INFORMATION, S.E.D.
48. ELECTRICAL OUTLET, DETERMINE FINAL LOCATION IN THE FIELD, S.E.D.
49. ELECTRICAL PANEL ON CONCRETE PAD, S.E.D.
50. SECURITY CAMERA, S.E.D, TYP.
51. ELECTRICAL PULL BOX, S.E.D, TYP.
52. PROPERTY LINE, TYP.
53. EXISTING TREE, PRESERVE AND PROTECT, TYP.
54. EXISTING CONCRETE PAVING, TO BE PRESERVED, TYP.
55. EXISTING ASPHALT PAVING, TO BE PRESERVED, TYP.
56. EXISTING CONCRETE CURB, TO BE PRESERVED, TYP.
57. EXISTING FIRE HYDRANT, PRESERVE AND PROTECT.
58. LOCATION OF EXISTING CURB CUT, VIF.
59. EXTEND AND ATTACH NEW CHAIN LINK FABRIC TO EXISTING CHAIN LINK FENCE POST.
60. ATTACH NEW FENCING TO EXISTING FENCE POST.
61. ATTACH EXISTING CHAIN LINK FENCE FABRIC TO NEW GATE POST.
62. MODIFY SURFACE OF EXISTING ASPHALT TO ACCEPT NEW ASPHALT PAVING, SEE DETAIL 4, SHEET L6.01.
63. REPAIR EXISTING ASPHALT PAVING WHERE NEW CONCRETE BAND IS INSTALLED.
64. ELECTRICAL EQUIPMENT ENCLOSURE, SEE SHEET L6.08 AND SHEET E1.2.
65. BACKFLOW PREVENTER ENCLOSURE, SEE SHEET L6.07.
66. STORM DRAIN EASEMENT.
67. METAL GATE AT ELECTRICAL EQUIPMENT ENCLOSURE, SINGLE LEAF, SEE DETAIL 7, SHEET L6.02.
68. SAND AT LONG JUMP EVENT, SEE TRACK DRAWINGS.
69. SECURITY CAMERA ON POLE, FINAL LOCATION OF POLE TO BE DETERMINED IN THE FIELD, S.E.D.
70. ASPHALT SAWCUT LINE, SEE DETAIL 5, SHEET L6.01.
71. ASPHALT TACK COAT OVERLAY, SEE DETAIL 5, SHEET L6.01.
72. FIRE LANE.



KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
TIMOTHY A. TANAKA
No. 3195
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

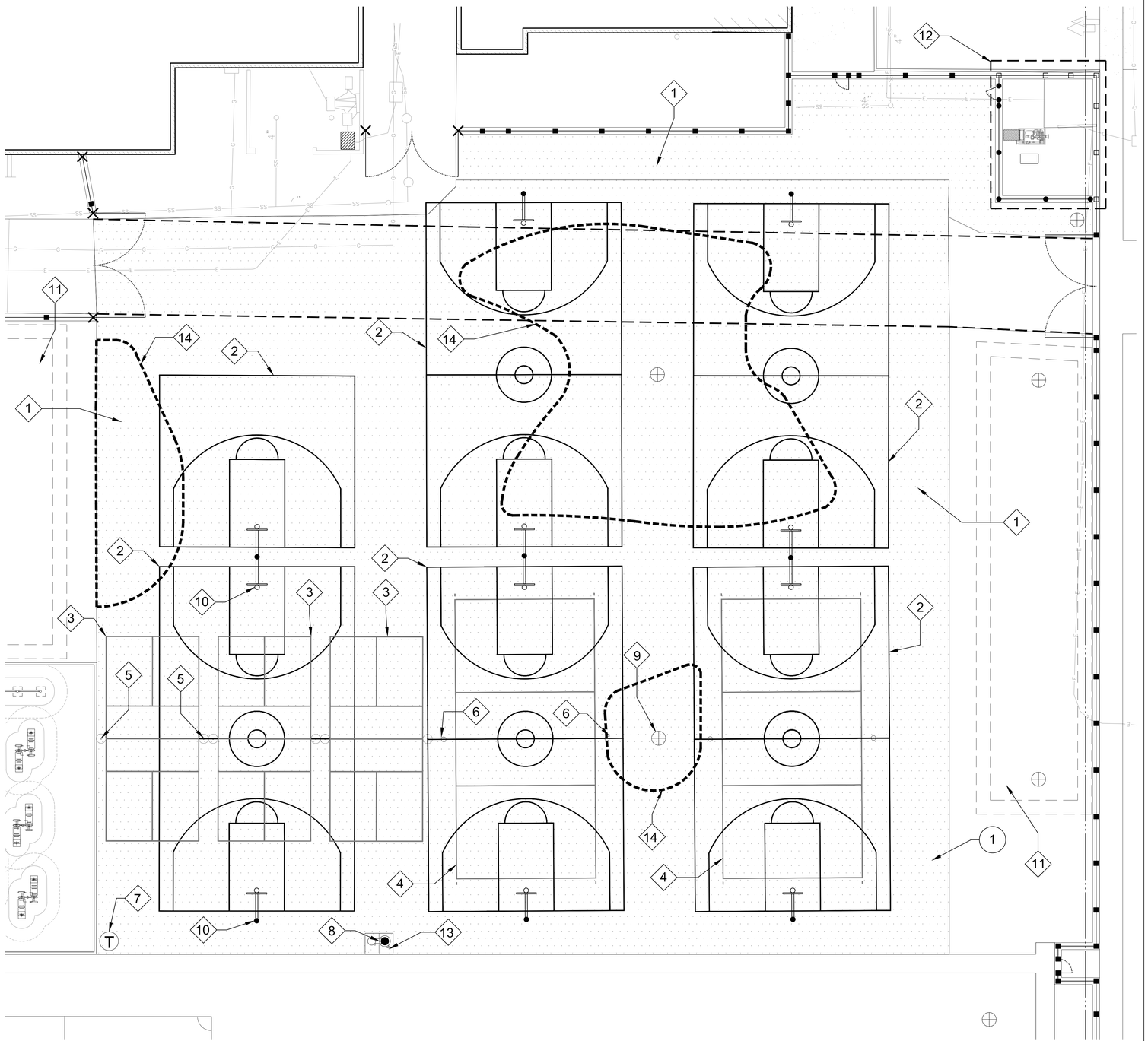
CONSULTANT

CONSTRUCTION PLAN:
AREA 5

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
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SHEET NO.
L2.04



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
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DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	CONCRETE PAVING SCORE JOINT	SEE CIVIL DRAWINGS
	ASPHALT PAVING	SEE DETAIL 3, SHEET L6.01
T	TRASH RECEPTACLE	INSTALLED BY OTHERS
	DRINKING FOUNTAIN AND BOTTLE FILLER	SEE DETAIL 10, SHEET L6.01
	CATCH BASIN	SEE CIVIL DRAWINGS
X	KEY NOTE	

KEY NOTES

1. ASPHALT PAVING, TYP.
2. WHITE LINE STRIPING FOR BASKETBALL COURT, TYP.
3. YELLOW LINE STRIPING FOR PICKLEBALL COURT, TYP.
4. YELLOW LINE STRIPING FOR VOLLEYBALL COURT, TYP.
5. PICKLE BALL COURT NET POST, TOTAL OF 2 PER COURT.
6. VOLLEY BALL NET POST, TOTAL OF 2 PER COURT.
7. TRASH RECEPTACLE, INSTALLED BY OTHERS.
8. DRINKING FOUNTAIN AND BOTTLE FILLER.
9. CATCH BASIN, S.C.D, TYP.
10. EXISTING BASKETBALL HOOP STANDARD POST, PRESERVE AND PROTECT, TYP.
11. BIORETENTION PLANTING AREA, S.C.D.
12. BACKFLOW PREVENTER ENCLOSURE, SEE SHEET L6.07.
13. CONCRETE SLAB, 4.5' X 6' X 8" MIN. THICK.
14. APPROXIMATE CUT LINE FOR REMOVAL OF BASE ROCK AT ASPHALT PAVING, COORDINATE WITH GRADING AND DRAINAGE PLANS, TYP.

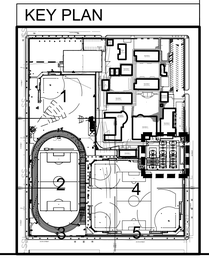
ADD-ALTERNATE #4 KEY NOTES

1. ARCYLIC SURFACING, SEE GENERAL NOTES FOR ADDITIONAL INFORMATION.

TRUE NORTH
PROJECT NORTH

0 5' 10' 20'

KEY PLAN



REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
NEIL MARTIN 3195
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

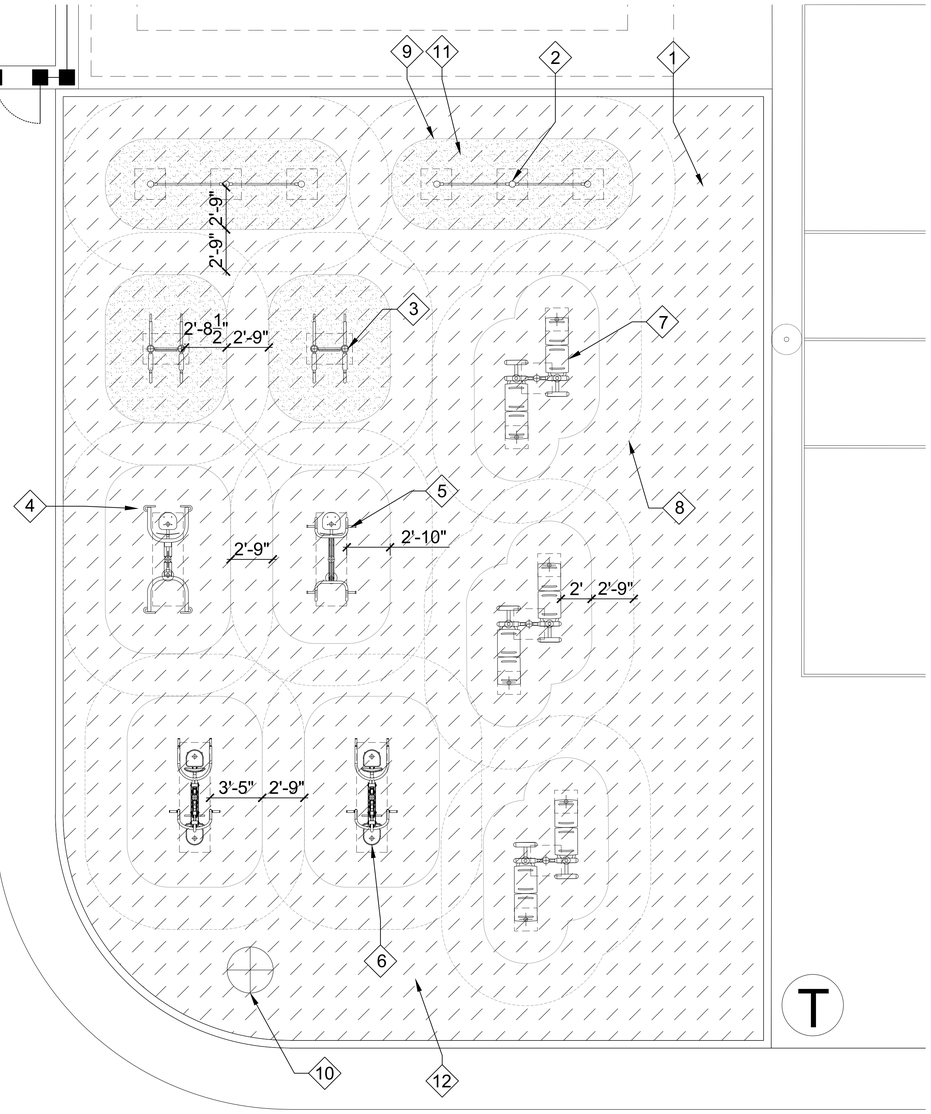
CONSULTANT

100% CONSTRUCTION DOCUMENTS

ENLARGED CONSTRUCTION PLAN: SPORTS COURT AREA

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
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SHEET NO.
L2.05

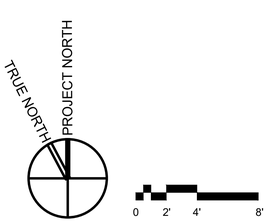


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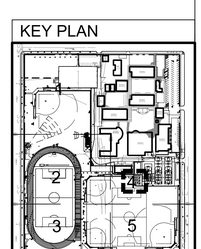
SYMBOL	DESCRIPTION	REMARKS
	SYNTHETIC TURF	SEE DETAIL 4, SHEET L6.05
	CATCH BASIN	SEE CIVIL DRAWINGS
X	KEY NOTE	

KEY NOTES

1. SYNTHETIC TURF.
2. 2-PERSON PULL UP BAR STATION, TOTAL OF 2.
3. 2-PERSON STATIC COMBO STATION, TOTAL OF 2.
4. 2-PERSON LAT PULL STATION, ACCESSIBLE, TOTAL OF 1.
5. 2-PERSON CHEST PRESS STATION, ACCESSIBLE, TOTAL OF 1.
6. 2-PERSON BACK AND ARM COMBO STATION, TOTAL OF 2.
7. 2-PERSON INCLINE SIT UP BENCH STATION, TOTAL OF 3.
8. FITNESS EQUIPMENT CLEARANCE ZONE, TYP.
9. FITNESS EQUIPMENT TRAINING ZONE, TYP.
10. CATCH BASIN, S.C.D.
11. PIP RESILIENT RUBBER CUSHION SHALL BE A MINIMUM OF 3.5" THICK.
12. PIP RESILIENT RUBBER CUSHION SHALL BE A MINIMUM OF 2" THICK.



KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
BRETT TANAKA
3195
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

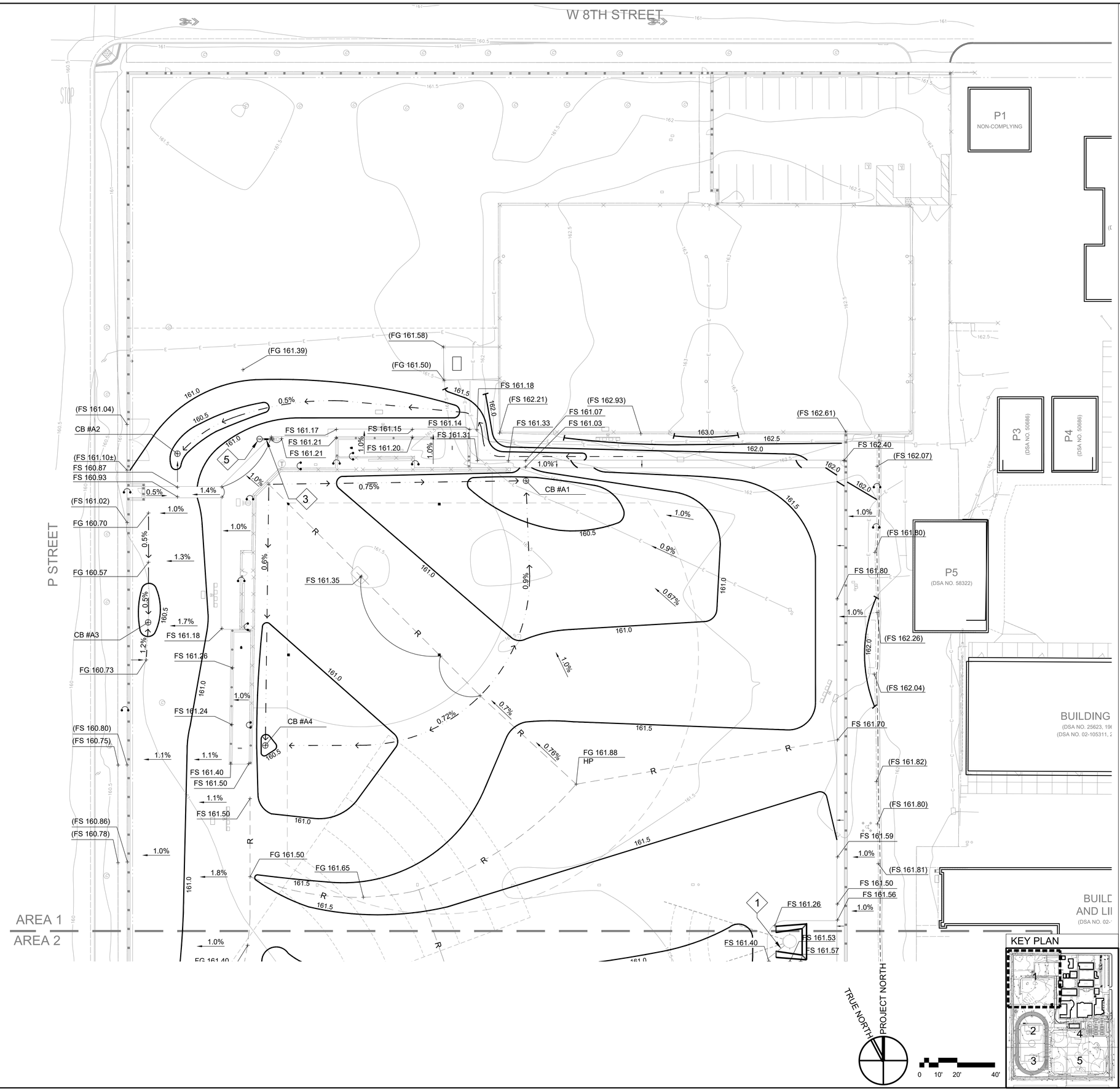
CONSULTANT

ENLARGED CONSTRUCTION PLAN: FITNESS AREA

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L2.06

100% CONSTRUCTION DOCUMENTS



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
(FG 160.87) +	NEW SPOT ELEVATION	
(FS 160.87) +	EXISTING SPOT ELEVATION	
161.0	NEW 0.5-FT INTERVAL CONTOUR LINE	
161.0	EXISTING 0.5-FT INTERVAL CONTOUR LINE	
R	RIDGE	
	SWALE	
1.0%	SLOPE SLOPE DIRECTION	
	MEET FLUSH WITH ADJACENT EXISTING PAVEMENT SURFACE	
	CATCH BASIN	SEE CIVIL DRAWINGS
	SOLID WALL PIPE	
DW	DRY WELL	
X	KEY NOTE	

KEY NOTES

1. SLOT DRAIN IN PAVING, 1" WIDE X 3/4" DEEP, COORDINATE FINAL LOCATION WITH LANDSCAPE ARCHITECT.
2. FINISH SURFACE ELEVATION ALONG THIS DASHED LINE IS 161.15.
3. DRAINAGE FOR DRINKING FOUNTAIN, SEE DETAIL 7, SHEET L6.05.
4. COVER TOP OF NEW DRAIN INLET WITH STEEL MESH. SECURE TO GRATE. COVER TOP OF STEEL MESH AND SIDES OF DRAIN INLET WITH FILTER FABRIC. STEEL MESH SHALL BE HOT-DIPPED GALVANIZED, 1/2" MESH OPENING SIZE. STEEL DIAMETER SHALL BE 0.041" MINIMUM. SECURE TO DRAIN INLET GRATE BUT ALLOW GRATE TO BE REMOVED IF EVER NECESSARY.
5. DRY WELL AT DRINKING FOUNTAIN AND BOTTLE FILLER, SEE DETAIL 7, SHEET L6.05.

FLOOD ZONE NOTE:

THIS SUBJECT PROPERTY LIES ENTIRELY WITHIN FLOOD ZONE "AO", HAVING A BASE FLOOD DEPTH OF 1 FOOT BASED ON FLOOD INSURANCE RATE MAP 06047C0440G, DATED DECEMBER 2, 2008.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3195
Signature
12/31/26
Renewal Date
STATE OF CALIFORNIA

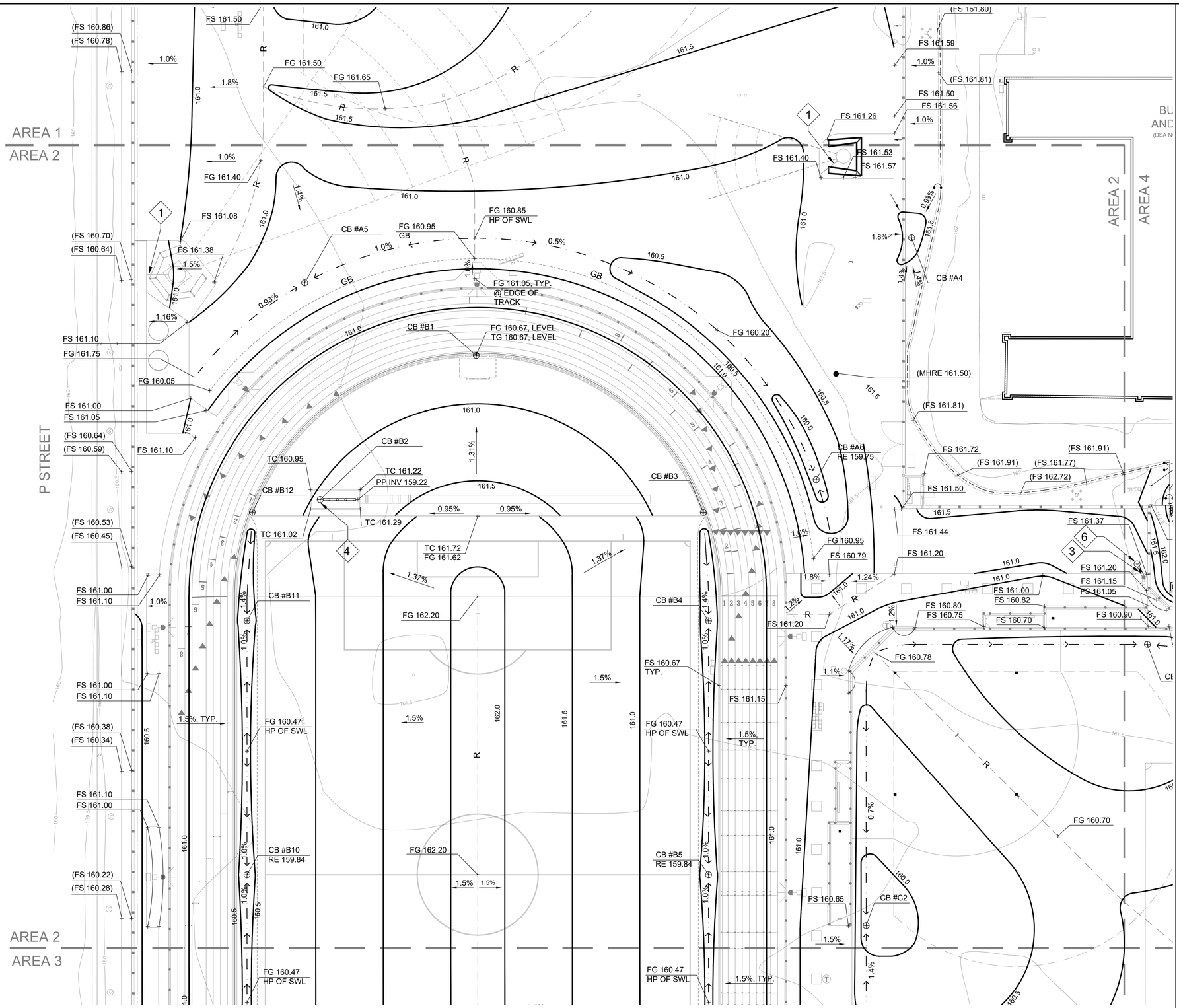
CONSULTANT

GRADING AND DRAINAGE PLAN: AREA 1

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L3.00



IDENTIFICATION STAMP
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LEGEND

SYMBOL	DESCRIPTION	REMARKS
(FS 160.87)	NEW SPOT ELEVATION	
(FS 160.87)	EXISTING SPOT ELEVATION	
161.0	NEW 0.5-FT INTERVAL CONTOUR LINE	
161.0	EXISTING 0.5-FT INTERVAL CONTOUR LINE	
R	RIDGE	
	SWALE	
1.0%	SLOPE SLOPE DIRECTION	
	MEET FLUSH WITH ADJACENT EXISTING PAVEMENT SURFACE	
	CATCH BASIN	SEE CIVIL DRAWINGS
	SOLID WALL PIPE	
	DRY WELL	
X	KEY NOTE	

KEY NOTES

1. SLOT DRAIN IN PAVING, 1" WIDE X 3/4" DEEP, COORDINATE FINAL LOCATION WITH LANDSCAPE ARCHITECT.
2. FINISH SURFACE ELEVATION ALONG THIS DASHED LINE IS 161.15.
3. DRAINAGE FOR DRINKING FOUNTAIN, SEE DETAIL 7, SHEET L6.05.
4. COVER TOP OF NEW DRAIN INLET WITH STEEL MESH. SECURE TO GRATE. COVER TOP OF STEEL MESH AND SIDES OF DRAIN INLET WITH FILTER FABRIC. STEEL MESH SHALL BE HOT-DIPPED GALVANIZED, 1/2" MESH OPENING SIZE. STEEL DIAMETER SHALL BE 0.041" MINIMUM. SECURE TO DRAIN INLET GRATE BUT ALLOW GRATE TO BE REMOVED IF EVER NECESSARY.
5. DRY WELL AT DRINKING FOUNTAIN AND BOTTLE FILLER, SEE DETAIL 7, SHEET L6.05.

FLOOD ZONE NOTE:
THIS SUBJECT PROPERTY LIES ENTIRELY WITHIN FLOOD ZONE "AO", HAVING A BASE FLOOD DEPTH OF 1 FOOT BASED ON FLOOD INSURANCE RATE MAP 06047C0440G, DATED DECEMBER 2, 2008.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

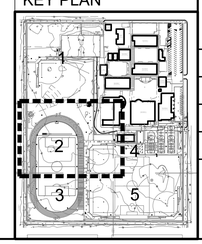
LICENSED LANDSCAPE ARCHITECT
RENATA TANAKA
3199
Expiration
12/31/26
STATE OF CALIFORNIA

CONSULTANT

GRADING AND DRAINAGE PLAN:
AREA 2

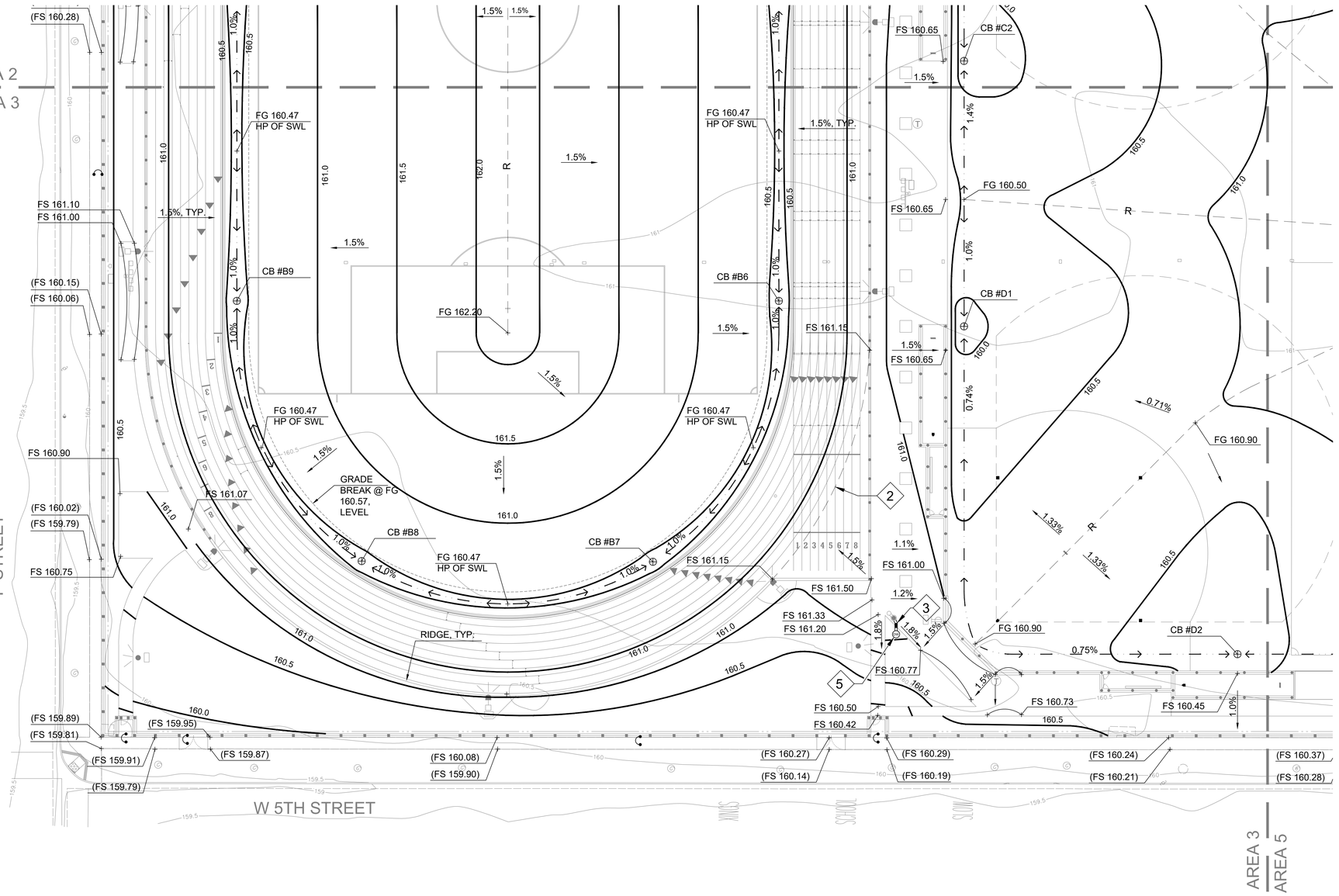
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

KEY PLAN



DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L3.01

100% CONSTRUCTION DOCUMENTS



LEGEND

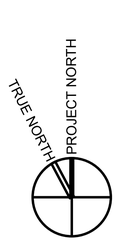
SYMBOL	DESCRIPTION	REMARKS
(FS 160.87)	NEW SPOT ELEVATION	
(FS 160.87)	EXISTING SPOT ELEVATION	
161.0	NEW 0.5-FT INTERVAL CONTOUR LINE	
161.0	EXISTING 0.5-FT INTERVAL CONTOUR LINE	
R	RIDGE	
	SWALE	
1.0%	SLOPE SLOPE DIRECTION	
	MEET FLUSH WITH ADJACENT EXISTING PAVEMENT SURFACE	
	CATCH BASIN	SEE CIVIL DRAWINGS
	SOLID WALL PIPE	
DW	DRY WELL	
X	KEY NOTE	

KEY NOTES

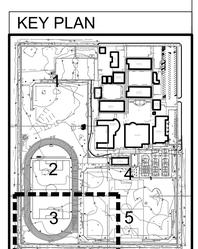
1. SLOT DRAIN IN PAVING, 1" WIDE X 3/4" DEEP, COORDINATE FINAL LOCATION WITH LANDSCAPE ARCHITECT.
2. FINISH SURFACE ELEVATION ALONG THIS DASHED LINE IS 161.15.
3. DRAINAGE FOR DRINKING FOUNTAIN, SEE DETAIL 7, SHEET L6.05.
4. COVER TOP OF NEW DRAIN INLET WITH STEEL MESH. SECURE TO GRATE. COVER TOP OF STEEL MESH AND SIDES OF DRAIN INLET WITH FILTER FABRIC. STEEL MESH SHALL BE HOT-DIPPED GALVANIZED, 1/2" MESH OPENING SIZE. STEEL DIAMETER SHALL BE 0.041" MINIMUM. SECURE TO DRAIN INLET GRATE BUT ALLOW GRATE TO BE REMOVED IF EVER NECESSARY.
5. DRY WELL AT DRINKING FOUNTAIN AND BOTTLE FILLER, SEE DETAIL 7, SHEET L6.05.

FLOOD ZONE NOTE:

THIS SUBJECT PROPERTY LIES ENTIRELY WITHIN FLOOD ZONE "AO", HAVING A BASE FLOOD DEPTH OF 1 FOOT BASED ON FLOOD INSURANCE RATE MAP 06047C0440G, DATED DECEMBER 2, 2008.



KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3195
EXPIRATION
12/31/26
STATE OF CALIFORNIA

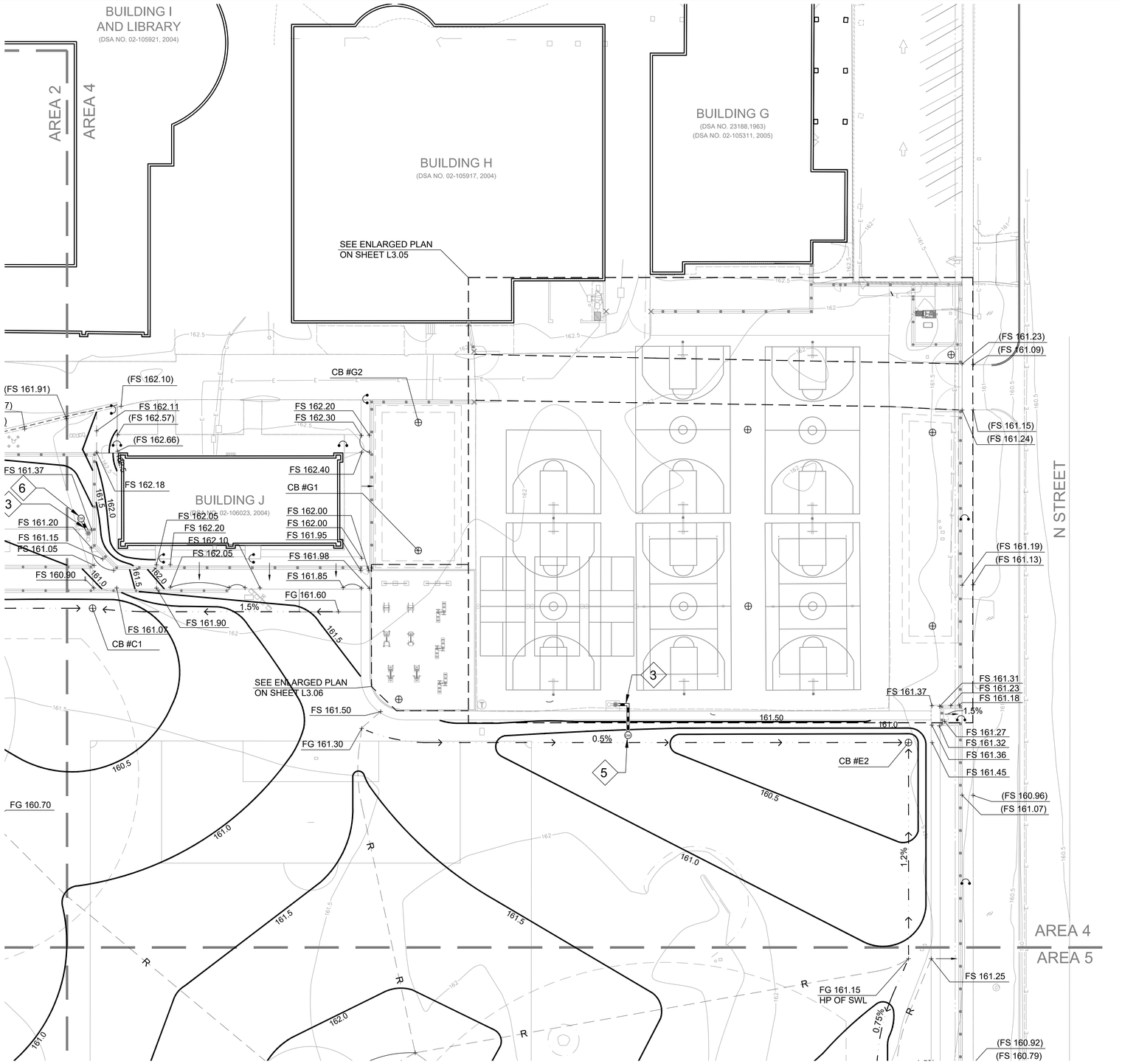
CONSULTANT

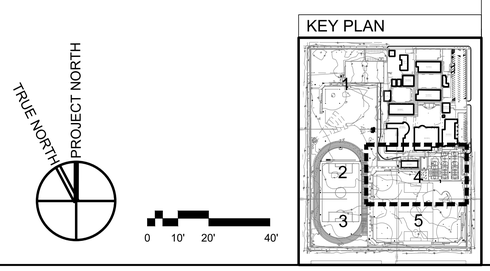
GRADING AND DRAINAGE PLAN:
AREA 3

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L3.02





TRUE NORTH
PROJECT NORTH

0 10' 20' 40'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
(FS 160.87)	NEW SPOT ELEVATION	
(FS 160.87)	EXISTING SPOT ELEVATION	
161.0	NEW 0.5-FT INTERVAL CONTOUR LINE	
161.0	EXISTING 0.5-FT INTERVAL CONTOUR LINE	
R	RIDGE	
	SWALE	
1.0%	SLOPE SLOPE DIRECTION	
	MEET FLUSH WITH ADJACENT EXISTING PAVEMENT SURFACE	
	CATCH BASIN	SEE CIVIL DRAWINGS
	SOLID WALL PIPE	
	DRY WELL	
X	KEY NOTE	

KEY NOTES

1. SLOT DRAIN IN PAVING, 1" WIDE X 3/4" DEEP, COORDINATE FINAL LOCATION WITH LANDSCAPE ARCHITECT.
2. FINISH SURFACE ELEVATION ALONG THIS DASHED LINE IS 161.15.
3. DRAINAGE FOR DRINKING FOUNTAIN, SEE DETAIL 7, SHEET L6.05.
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5. DRY WELL AT DRINKING FOUNTAIN AND BOTTLE FILLER, SEE DETAIL 7, SHEET L6.05.

FLOOD ZONE NOTE:

THIS SUBJECT PROPERTY LIES ENTIRELY WITHIN FLOOD ZONE "AO", HAVING A BASE FLOOD DEPTH OF 1 FOOT BASED ON FLOOD INSURANCE RATE MAP 06047C0440G, DATED DECEMBER 2, 2008.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration
12/31/26
STATE OF CALIFORNIA

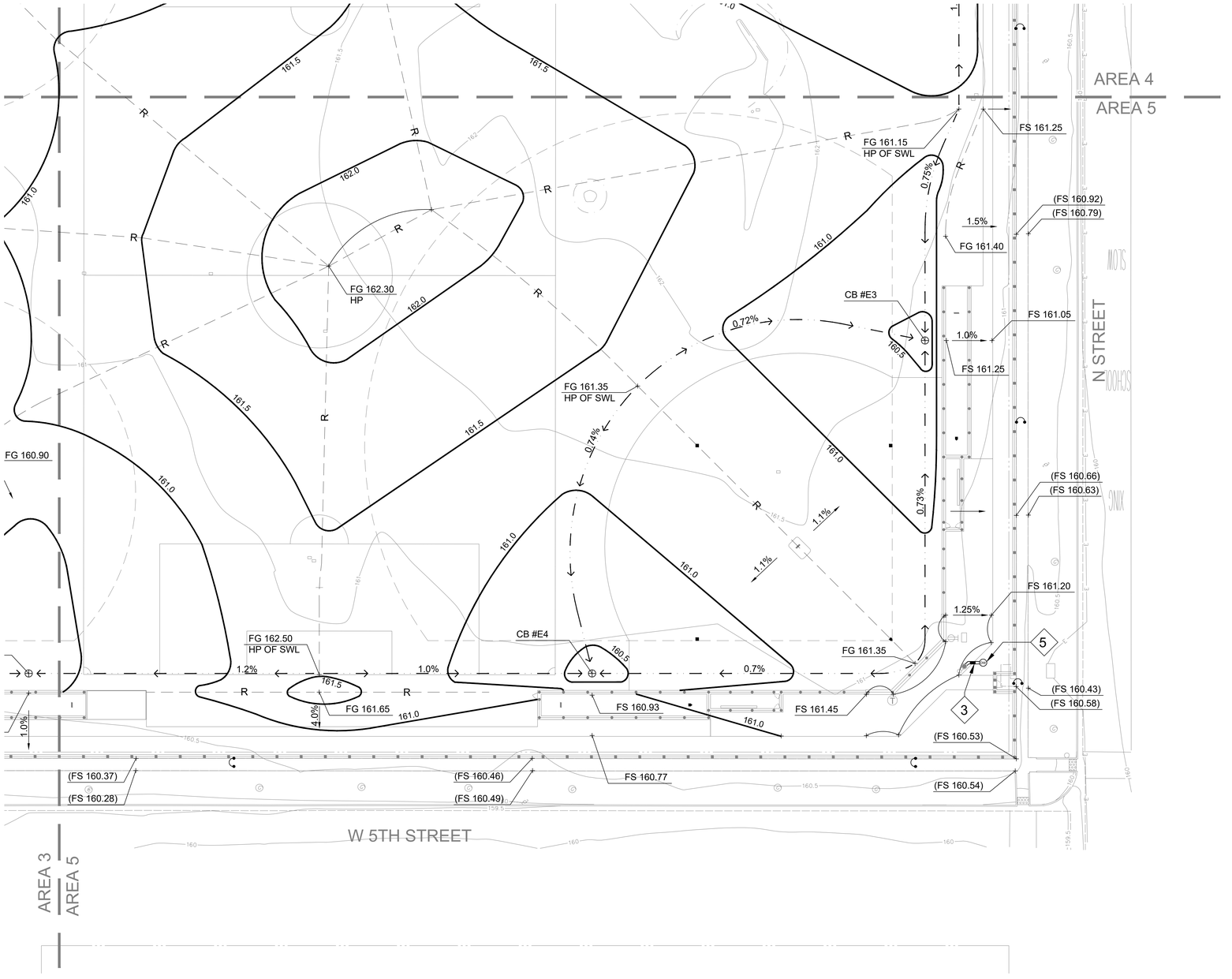
CONSULTANT

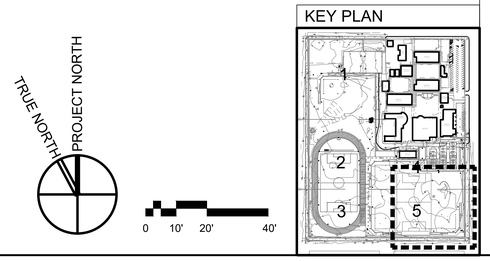
100% CONSTRUCTION DOCUMENTS

GRADING AND DRAINAGE PLAN:
AREA 4

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L3.03





TRUE NORTH
PROJECT NORTH

0 10' 20' 40'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
(FG 160.87)	NEW SPOT ELEVATION	
(FS 160.87)	EXISTING SPOT ELEVATION	
161.0	NEW 0.5-FT INTERVAL CONTOUR LINE	
161.0	EXISTING 0.5-FT INTERVAL CONTOUR LINE	
R	RIDGE	
	SWALE	
1.0%	SLOPE SLOPE DIRECTION	
	MEET FLUSH WITH ADJACENT EXISTING PAVEMENT SURFACE	
	CATCH BASIN	SEE CIVIL DRAWINGS
	SOLID WALL PIPE	
DW	DRY WELL	
X	KEY NOTE	

KEY NOTES

1. SLOT DRAIN IN PAVING, 1" WIDE X 3/4" DEEP, COORDINATE FINAL LOCATION WITH LANDSCAPE ARCHITECT.
2. FINISH SURFACE ELEVATION ALONG THIS DASHED LINE IS 161.15.
3. DRAINAGE FOR DRINKING FOUNTAIN, SEE DETAIL 7, SHEET L6.05.
4. COVER TOP OF NEW DRAIN INLET WITH STEEL MESH. SECURE TO GRATE. COVER TOP OF STEEL MESH AND SIDES OF DRAIN INLET WITH FILTER FABRIC. STEEL MESH SHALL BE HOT-DIPPED GALVANIZED, 1/2" MESH OPENING SIZE. STEEL DIAMETER SHALL BE 0.041" MINIMUM. SECURE TO DRAIN INLET GRATE BUT ALLOW GRATE TO BE REMOVED IF EVER NECESSARY.
5. DRY WELL AT DRINKING FOUNTAIN AND BOTTLE FILLER, SEE DETAIL 7, SHEET L6.05.

FLOOD ZONE NOTE:

THIS SUBJECT PROPERTY LIES ENTIRELY WITHIN FLOOD ZONE "AO", HAVING A BASE FLOOD DEPTH OF 1 FOOT BASED ON FLOOD INSURANCE RATE MAP 06047C0440G, DATED DECEMBER 2, 2008.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

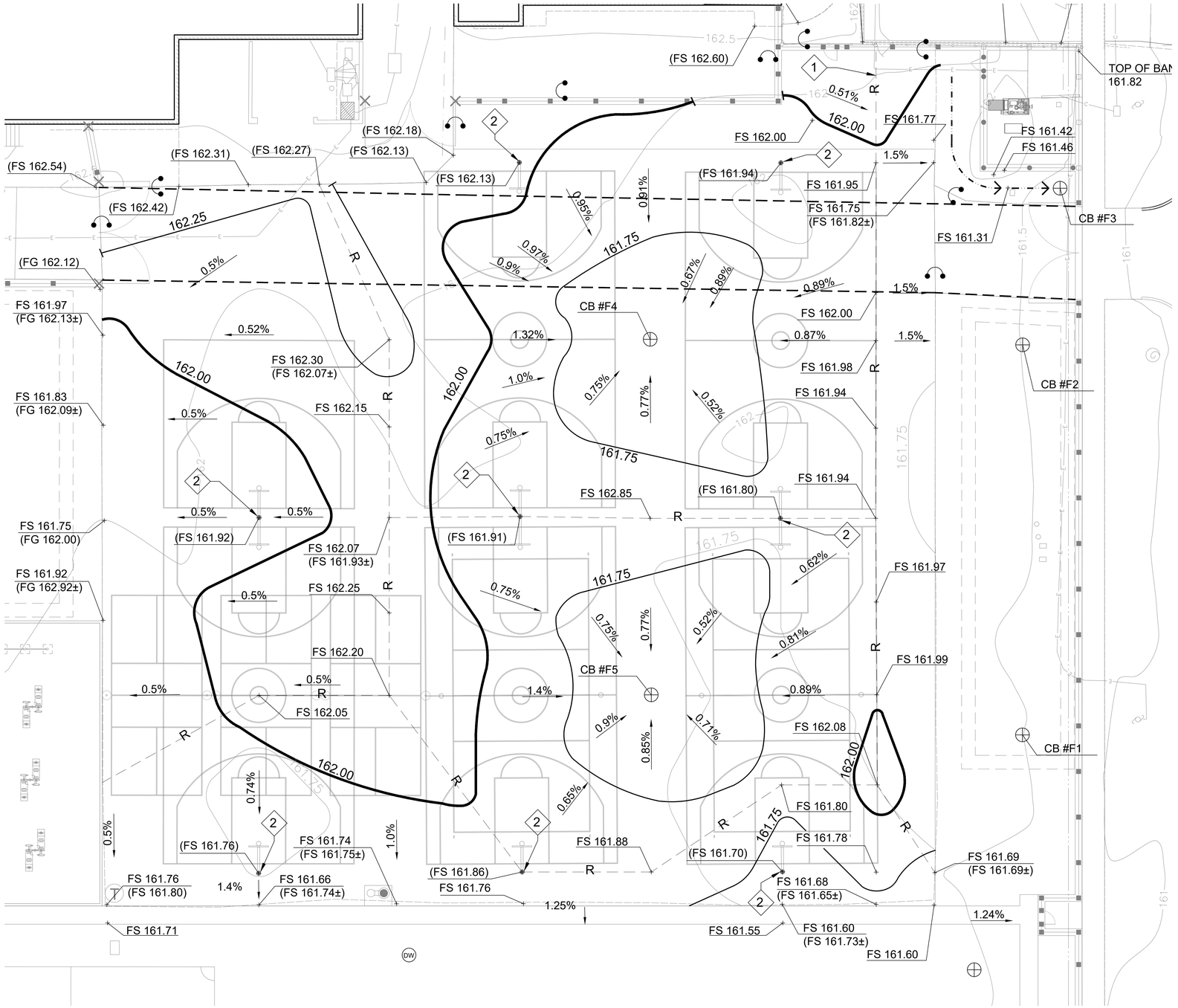
CONSULTANT

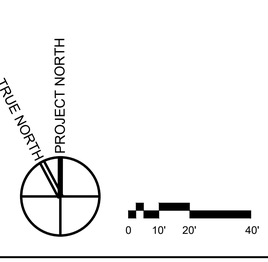
GRADING AND DRAINAGE PLAN:
AREA 5

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

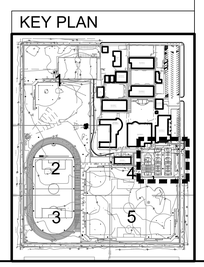
DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L3.04

100% CONSTRUCTION DOCUMENTS





KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
FS 162.00	NEW SPOT ELEVATION	
(FS 162.00)	EXISTING SPOT ELEVATION	
162.50	NEW 0.5-FT INTERVAL CONTOUR LINE	
162.25	NEW 0.25-FT INTERVAL CONTOUR LINE	
161.75	EXISTING 0.5-FT INTERVAL CONTOUR LINE	
R	RIDGE	
	SWALE	
1.32%	SLOPE SLOPE DIRECTION	
	MEET FLUSH WITH EXISTING ADJACENT PAVEMENT SURFACE	
	CATCH BASIN	SEE CIVIL DRAWINGS
X	KEY NOTE	

KEY NOTES

1. ADJUST CLEAN OUT TO MEET FLUSH WITH NEW FINISH SURFACE ELEVATIONS AT 162.26.
2. EXISTING BASKETBALL HOOP POST. FINISH SURFACE ELEVATION AT & AROUND POST SHALL MATCH EXISTING FINISH SURFACE ELEVATION.

FLOOD ZONE NOTE:

THIS SUBJECT PROPERTY LIES ENTIRELY WITHIN FLOOD ZONE "AO", HAVING A BASE FLOOD DEPTH OF 1 FOOT BASED ON FLOOD INSURANCE RATE MAP 06047C0440G, DATED DECEMBER 2, 2008.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

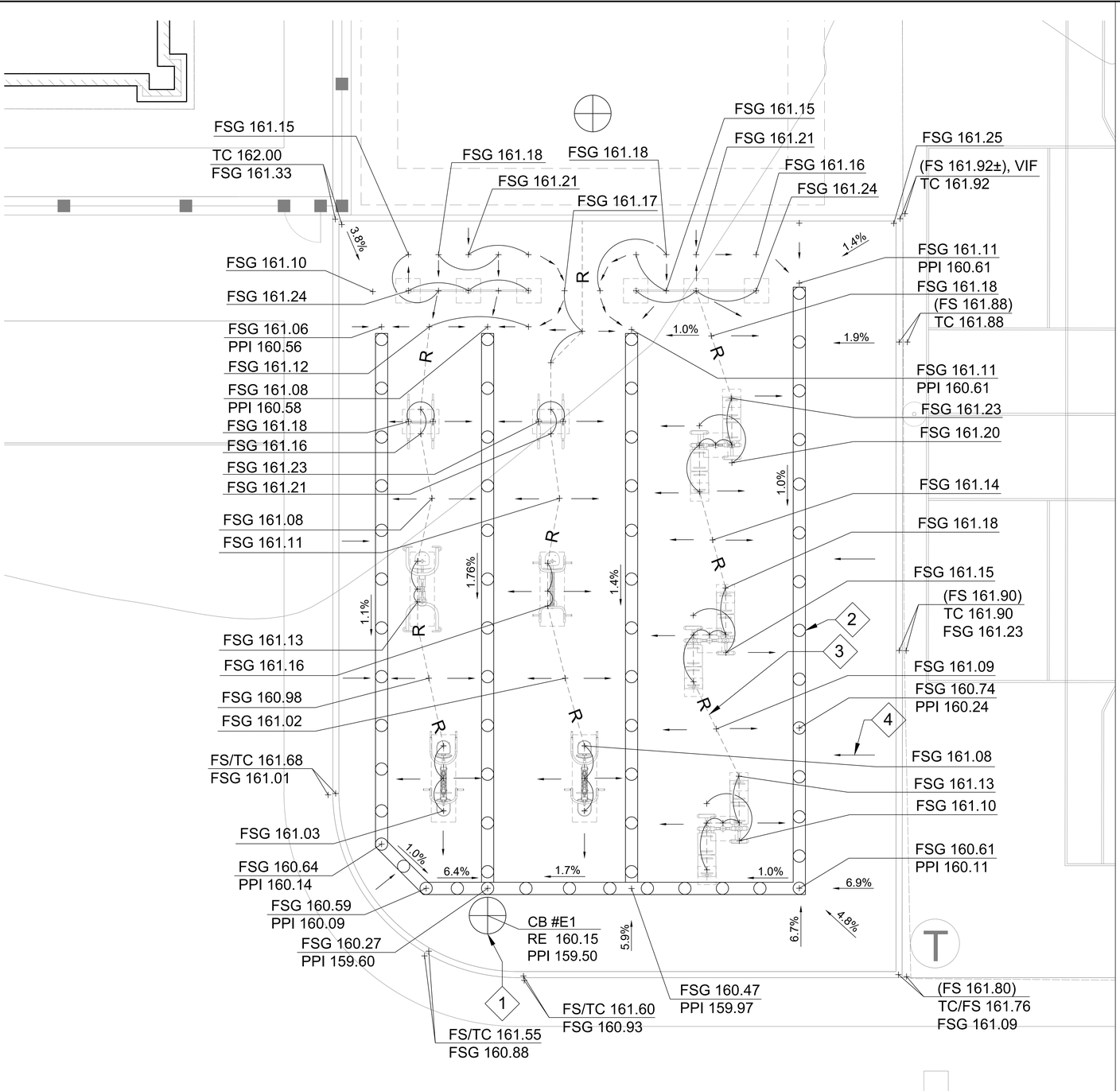
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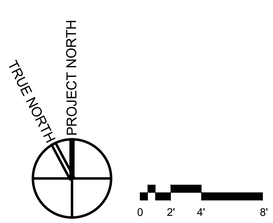
100% CONSTRUCTION DOCUMENTS

ENLARGED GRADING AND DRAINAGE PLAN:
SPORTS COURT AREA

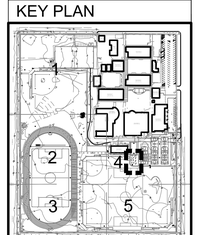
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L3.05





KEY PLAN



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
FSG 162.00	NEW SPOT ELEVATION	
(FSG 162.00)	EXISTING SPOT ELEVATION	
R	RIDGE LINE AT FINISH SUBGRADE	
1.32%	ON FINISH SUBGRADE: SLOPE GRADIENT AND DIRECTION — SLOPE DIRECTION	
⊕	CATCH BASIN	SEE CIVIL DRAWINGS
	PERFORATED PIPE TRENCH	SEE DETAIL 6, SHEET L6.05
X	KEY NOTE	

KEY NOTES

1. COVER TOP OF NEW DRAIN INLET WITH STEEL MESH. SECURE TO GRATE. COVER TOP OF STEEL MESH AND SIDES OF DRAIN INLET WITH FILTER FABRIC. STEEL MESH SHALL BE HOT-DIPPED GALVANIZED, 1/2" MESH OPENING SIZE. STEEL DIAMETER SHALL BE 0.041" MINIMUM. SECURE TO DRAIN INLET GRATE BUT ALLOW GRATE TO BE REMOVED IF EVER NECESSARY.
2. PERFORATED PIPE TRENCH, TYP.
3. RIDGE LINE AT FINISH SUBGRADE, TYP.
4. SLOPE DIRECTION ON FINISH SUBGRADE, TYP.

FLOOD ZONE NOTE:

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REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3199
Expiration Date
12/31/26
STATE OF CALIFORNIA

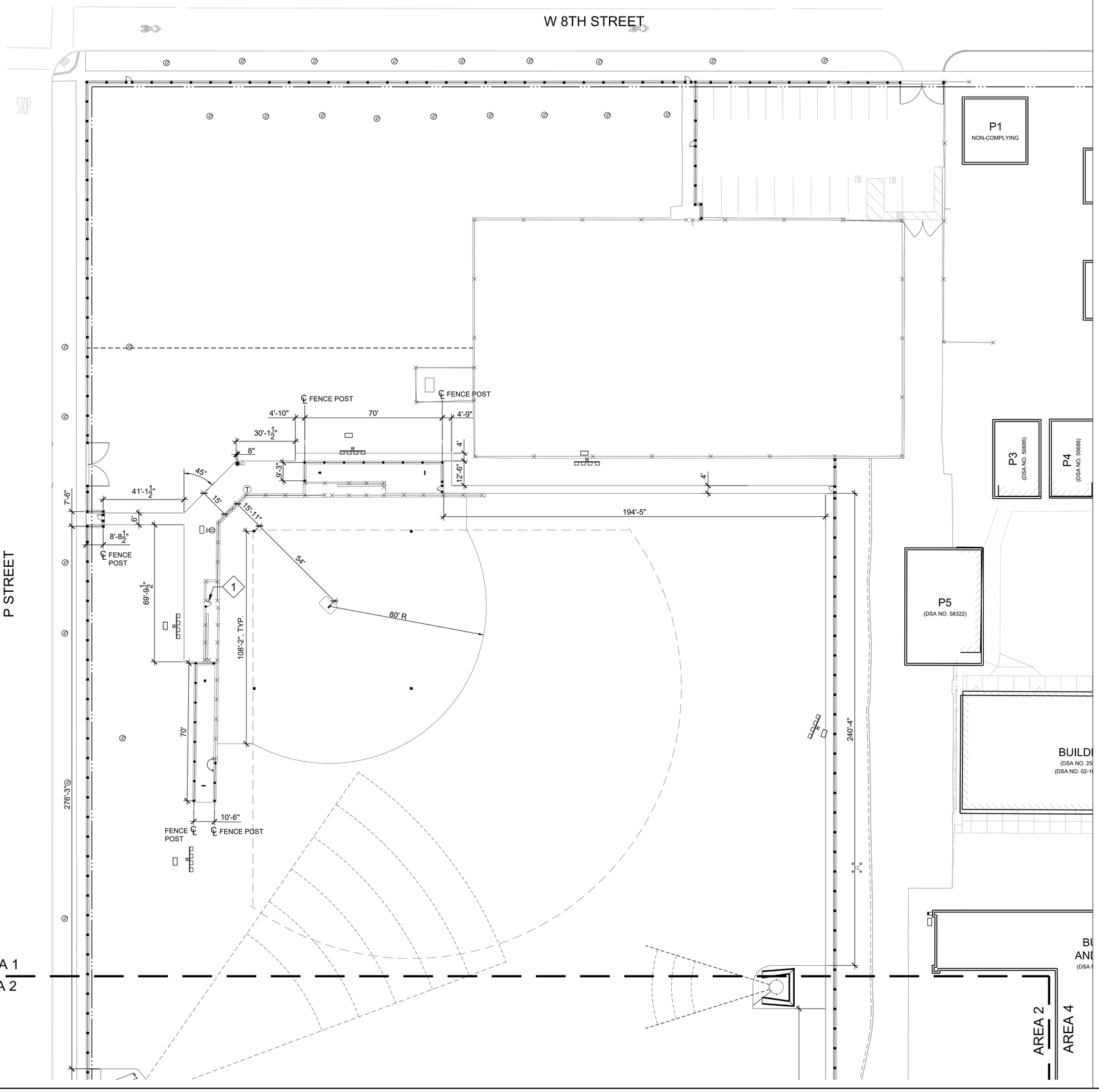
CONSULTANT

ENLARGED GRADING AND DRAINAGE PLAN: FITNESS AREA

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L3.06

100% CONSTRUCTION DOCUMENTS



LEGEND

SYMBOL	DESCRIPTION	REMARKS
	START DIMENSION	
	ALIGN WITH ADJACENT PAVING EDGE	
X	KEY NOTE	

KEY NOTES

1. ALIGN NEW GATE WITH OPPOSING OPENING, TYPICAL.
2. TRACK RADIUS POINT, SEE SHEET TRACK DRAWINGS FOR ADDITIONAL INFORMATION.

KEY PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
REGISTERED
3198
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

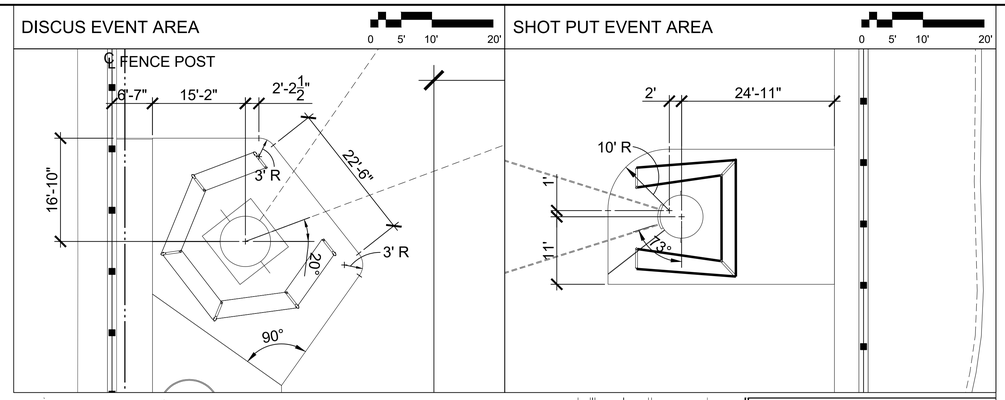
CONSULTANT

SITE LAYOUT PLAN:
AREA 1

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L4.00

100% CONSTRUCTION DOCUMENTS

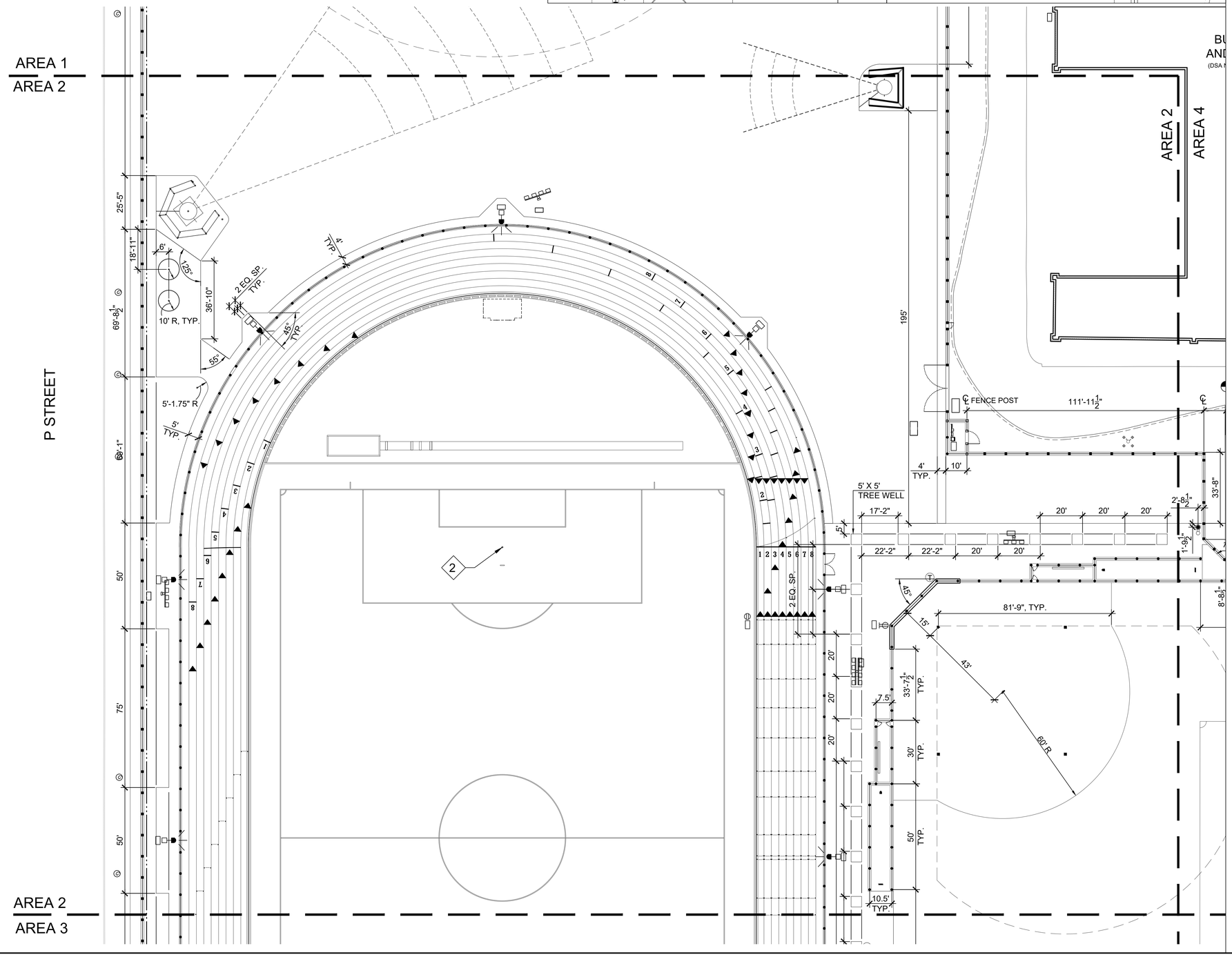


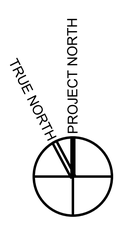
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	START DIMENSION	
	ALIGN WITH ADJACENT PAVING EDGE	
X	KEY NOTE	

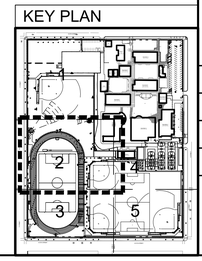
KEY NOTES
1. ALIGN NEW GATE WITH OPPOSING OPENING, TYPICAL.
2. TRACK RADIUS POINT, SEE SHEET TRACK DRAWINGS FOR ADDITIONAL INFORMATION.





0 10' 20' 40'

KEY PLAN



REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
REGISTERED 3199
Expiration / Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

100% CONSTRUCTION DOCUMENTS

SITE LAYOUT PLAN:
AREA 2

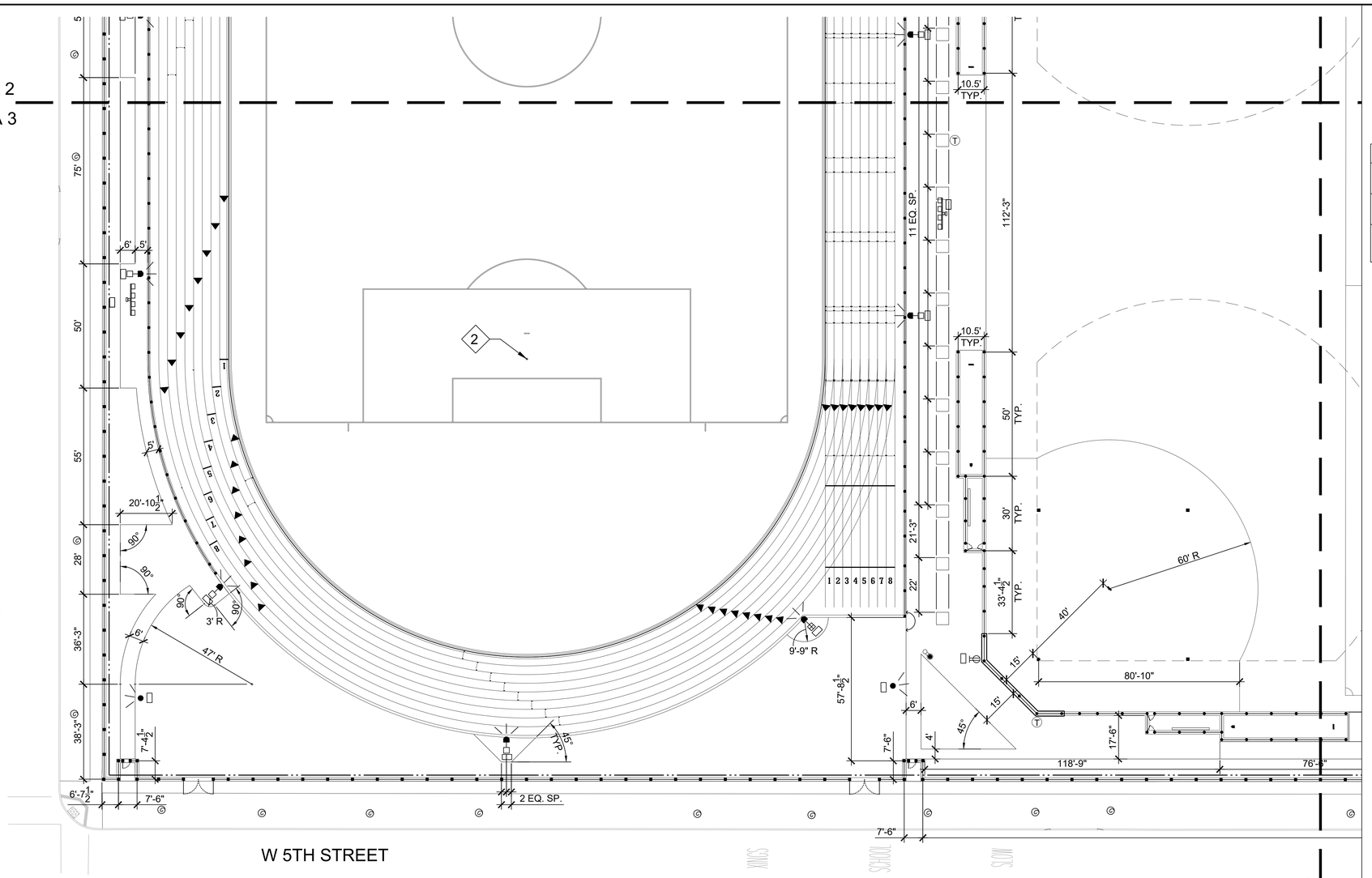
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L4.01

AREA 2

AREA 3

P STREET



AREA 3

AREA 5

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	START DIMENSION	
	ALIGN WITH ADJACENT PAVING EDGE	
X	KEY NOTE	

KEY NOTES

1. ALIGN NEW GATE WITH OPPOSING OPENING, TYPICAL.
2. TRACK RADIUS POINT, SEE SHEET TRACK DRAWINGS FOR ADDITIONAL INFORMATION.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
NATHAN MARTIN
3195
Expiration
12/31/26
Renewal Date
STATE OF CALIFORNIA

CONSULTANT

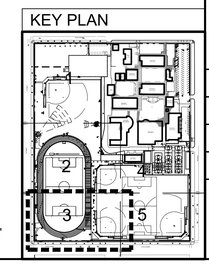
100% CONSTRUCTION DOCUMENTS

SITE LAYOUT PLAN:
AREA 3

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

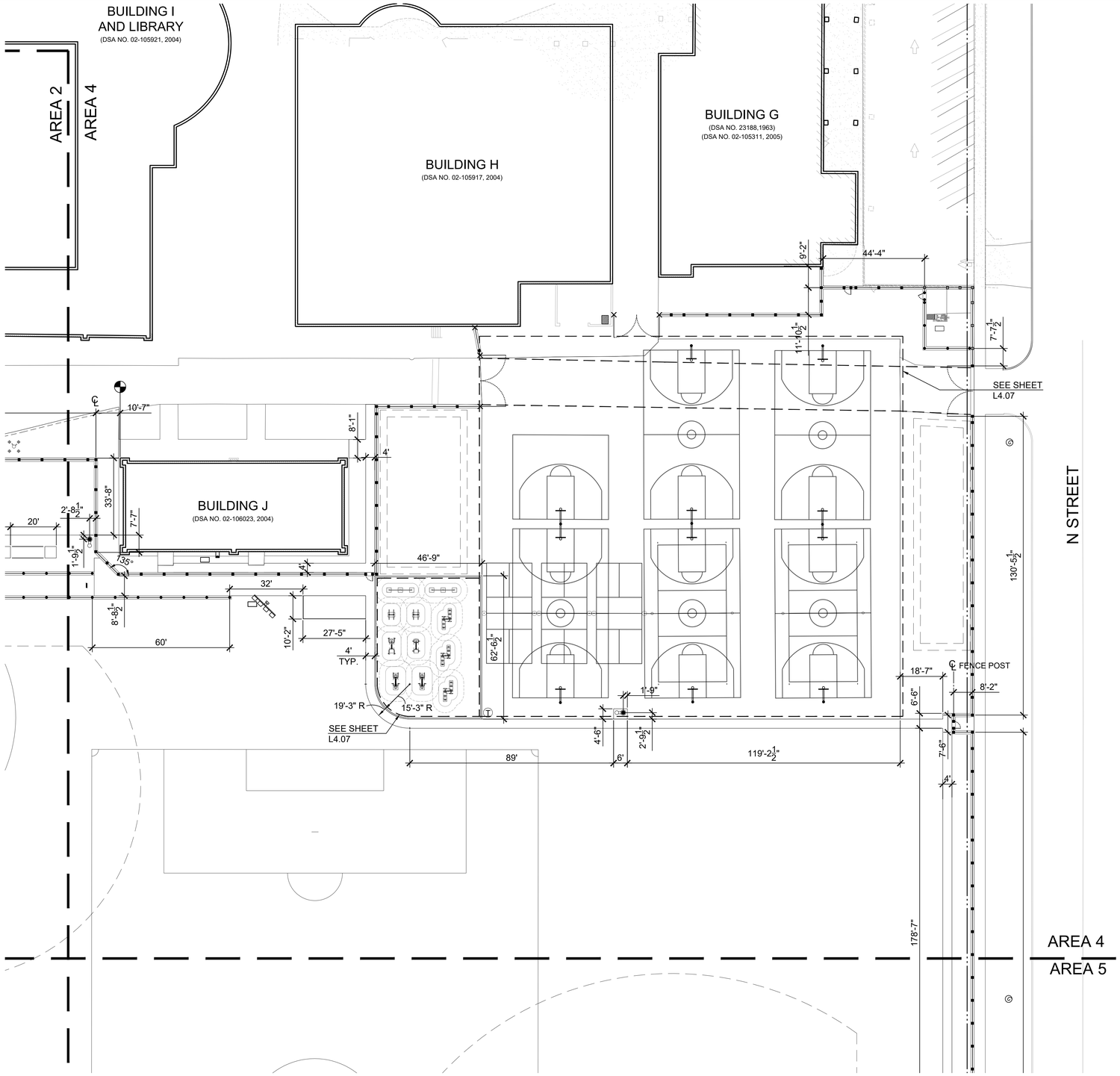
DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L4.02

KEY PLAN



TRUE NORTH
PROJECT NORTH

0 10' 20' 40'



LEGEND

SYMBOL	DESCRIPTION	REMARKS
	START DIMENSION	
	ALIGN WITH ADJACENT PAVING EDGE	
X	KEY NOTE	

KEY NOTES

1. ALIGN NEW GATE WITH OPPOSING OPENING, TYPICAL.
2. TRACK RADIUS POINT, SEE SHEET TRACK DRAWINGS FOR ADDITIONAL INFORMATION.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
REGISTERED
3199
Expiration / Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

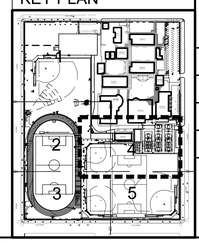
100% CONSTRUCTION DOCUMENTS

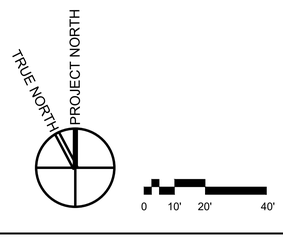
SITE LAYOUT PLAN:
AREA 4

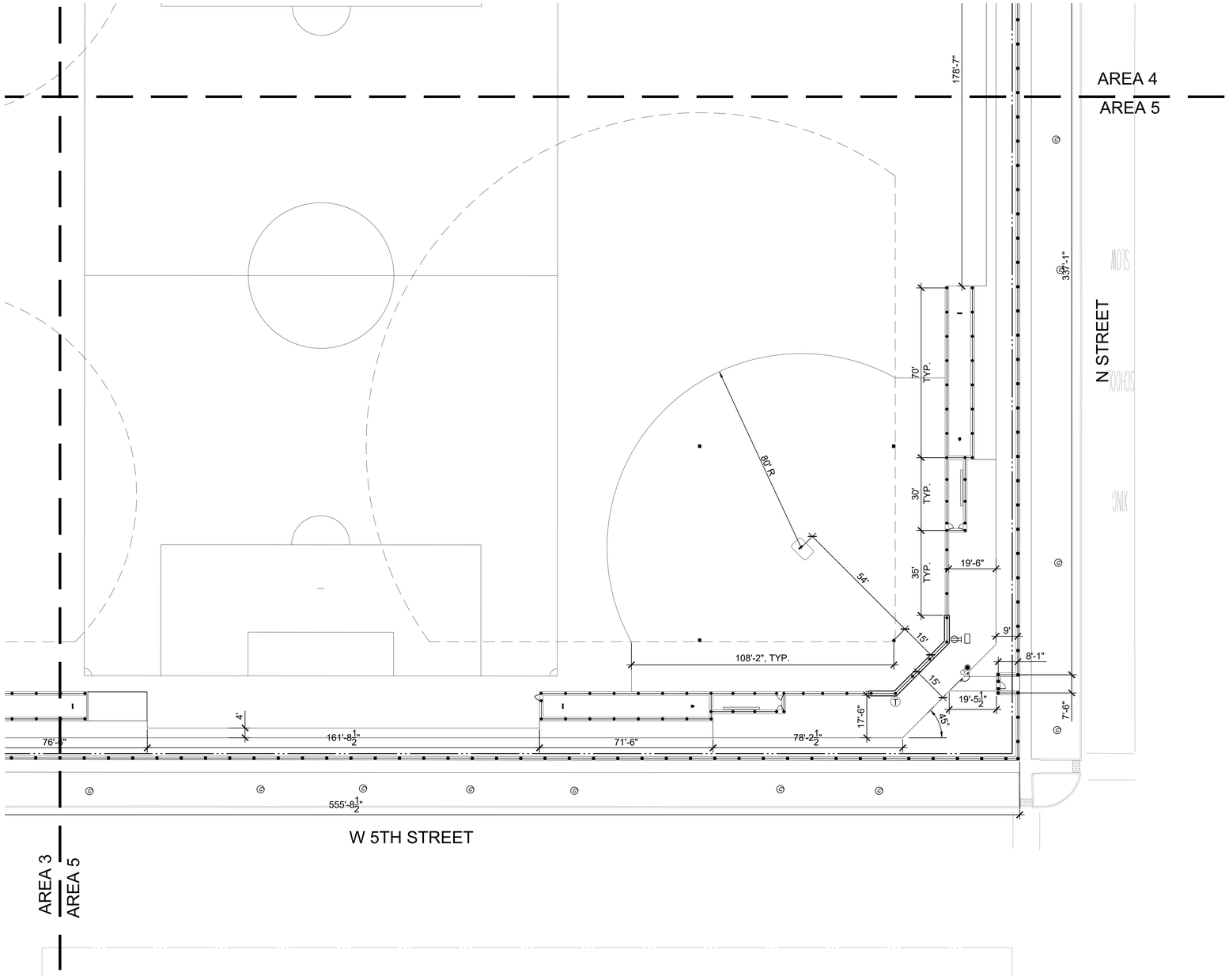
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L4.03

KEY PLAN







LEGEND

SYMBOL	DESCRIPTION	REMARKS
	START DIMENSION	
	ALIGN WITH ADJACENT PAVING EDGE	
X	KEY NOTE	

KEY NOTES

1. ALIGN NEW GATE WITH OPPOSING OPENING, TYPICAL.
2. TRACK RADIUS POINT, SEE SHEET TRACK DRAWINGS FOR ADDITIONAL INFORMATION.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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DATE: 04/30/2026

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tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
BRENDAN TANAKA
3199
Expiration / Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

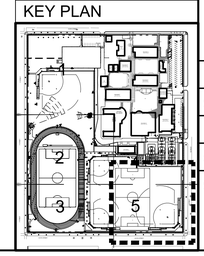
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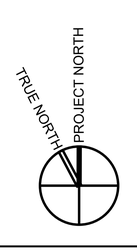
SITE LAYOUT PLAN:
AREA 5

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

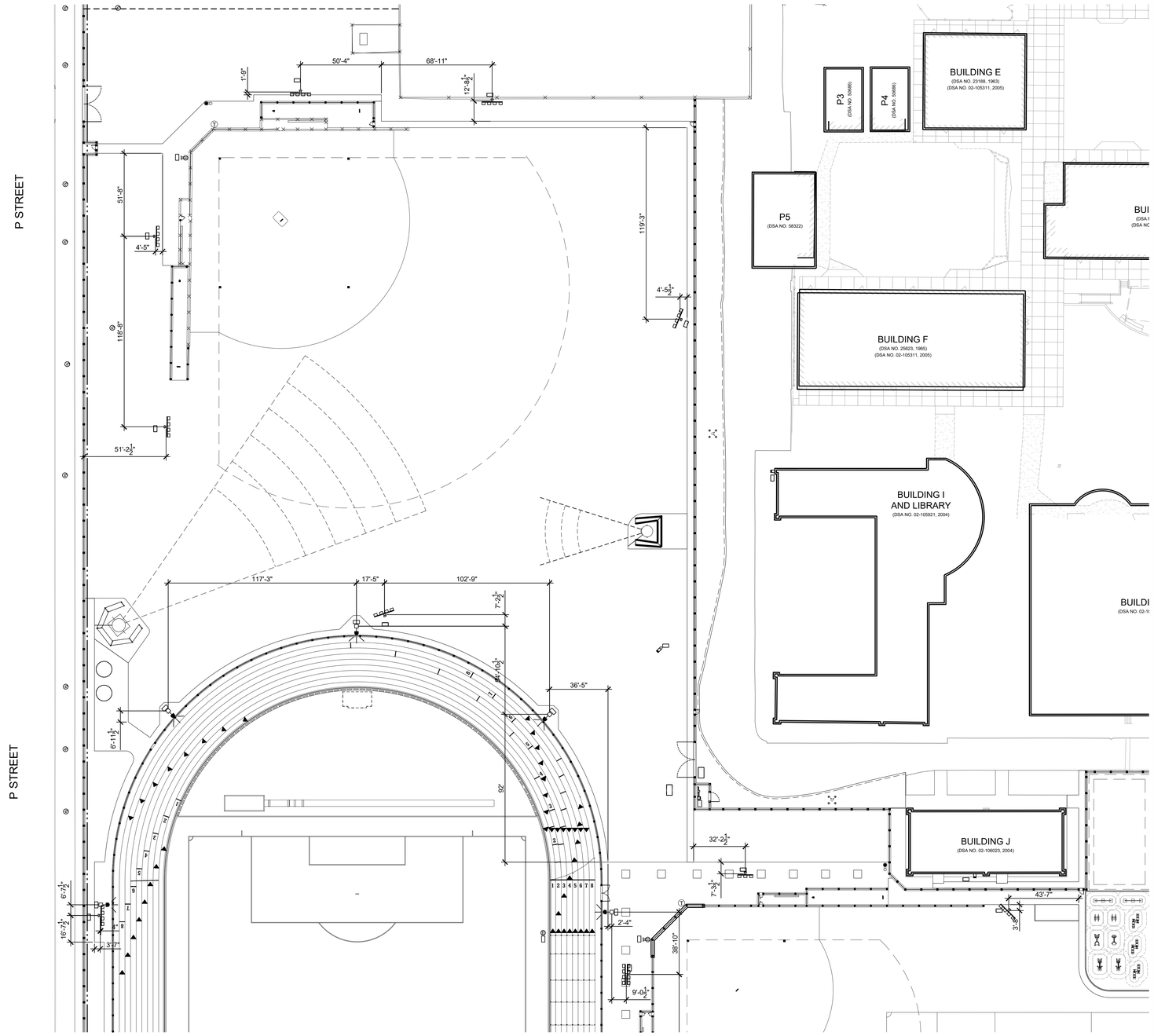
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CHECKED BY: BT
SHEET NO.
L4.04

KEY PLAN









LEGEND

SYMBOL	DESCRIPTION	REMARKS
⊕	START DIMENSION	

IDENTIFICATION STAMP
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design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
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3195
Signature
Renewal Date 12/31/26
STATE OF CALIFORNIA

CONSULTANT

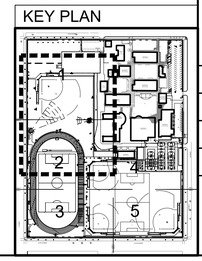
SITE LAYOUT PLAN: LOW LEVEL AND SPORTS FIELD LIGHT POLE

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L4.05

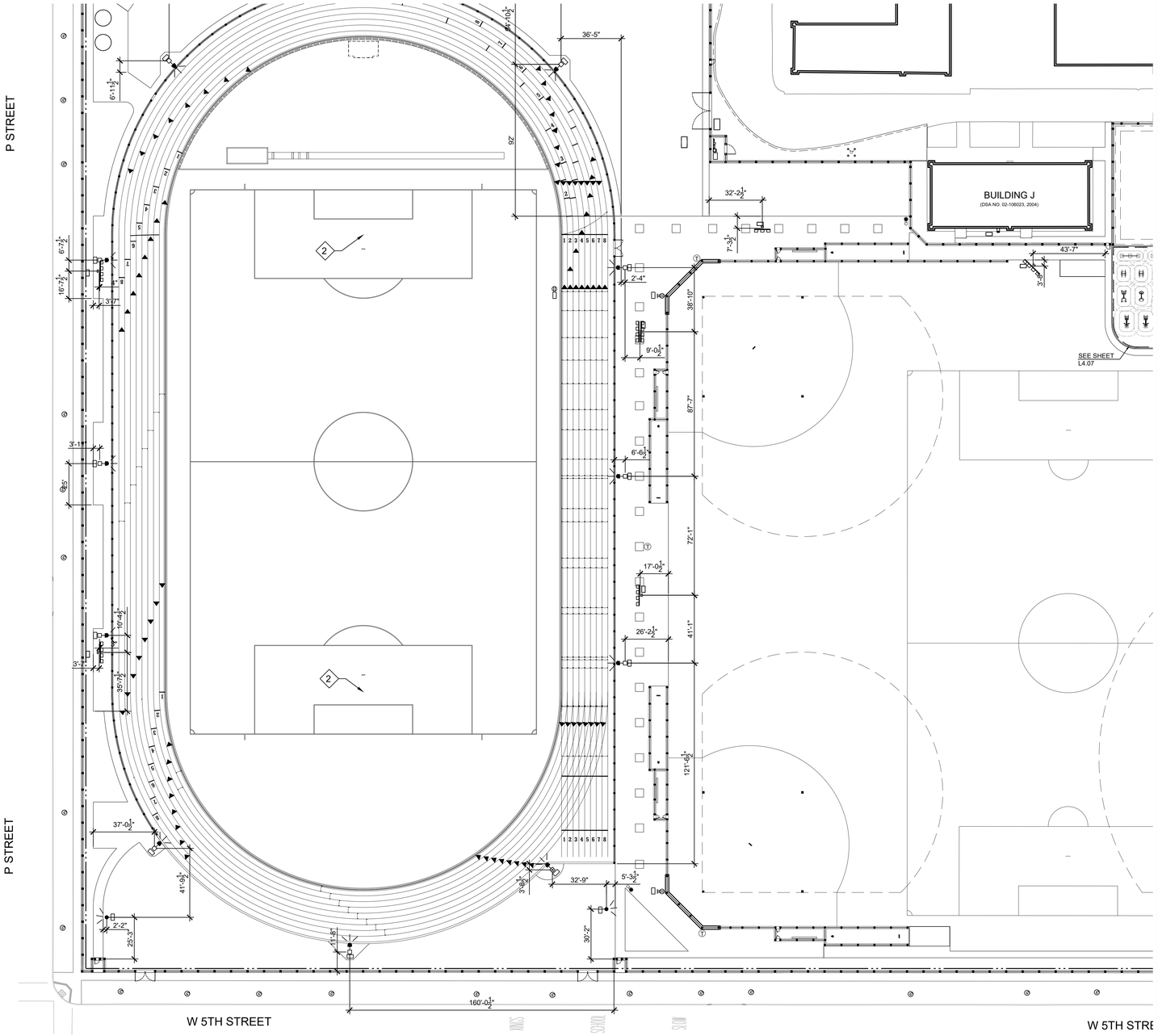
100% CONSTRUCTION DOCUMENTS

KEY PLAN



TRUE NORTH
PROJECT NORTH

0 15' 30' 60'



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	DESCRIPTION	REMARKS
⊕	START DIMENSION	

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design group
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suite 204
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CA 94121
t: (415) 863-7800
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LICENSED LANDSCAPE ARCHITECT
REGISTERED
3195
Expiration
12/31/26
STATE OF CALIFORNIA

CONSULTANT

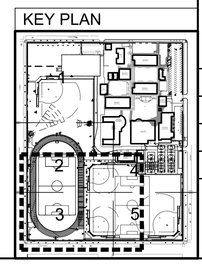
100% CONSTRUCTION DOCUMENTS

SITE LAYOUT PLAN: LOW LEVEL AND SPORTS FIELD LIGHT POLE

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

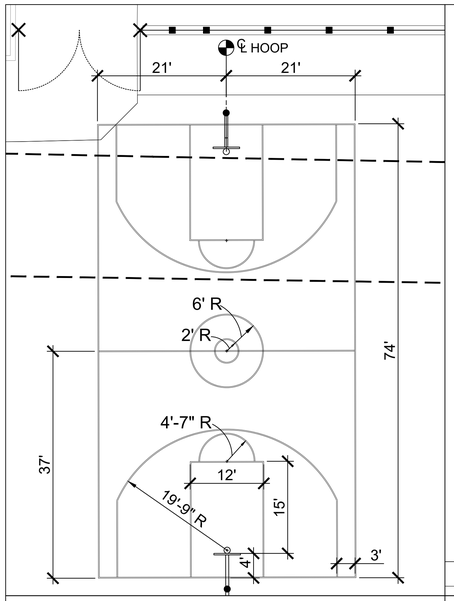
DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L4.06

KEY PLAN

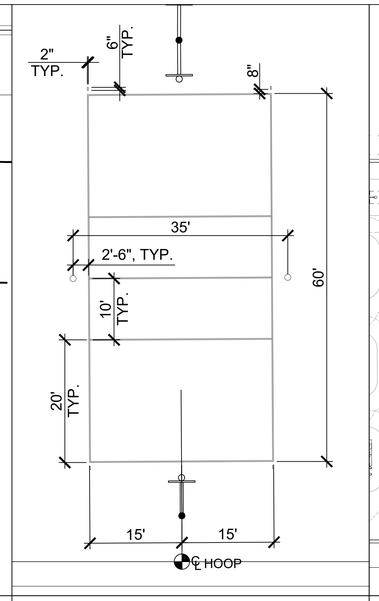


TRUE NORTH
PROJECT NORTH

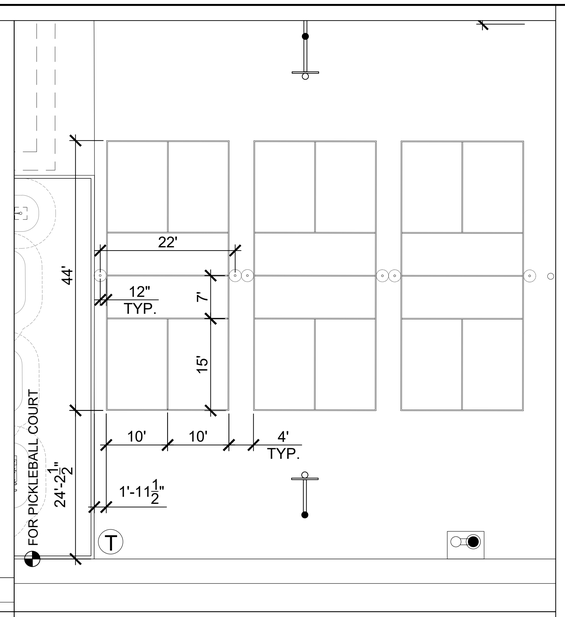
0 15' 30' 60'



BASKETBALL COURT LAYOUT, TYPICAL



VOLLEYBALL COURT LAYOUT, TYPICAL



PICKLEBALL COURT LAYOUT, TYPICAL

LEGEND

SYMBOL	DESCRIPTION	REMARKS
◔	START DIMENSION	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
RANDY TANAKA
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

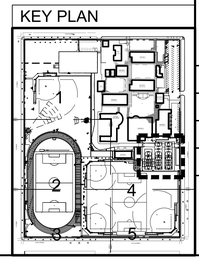
ENLARGED SITE LAYOUT PLAN:
SPORTS COURT AREA

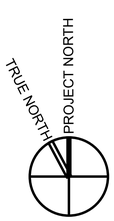
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L4.07

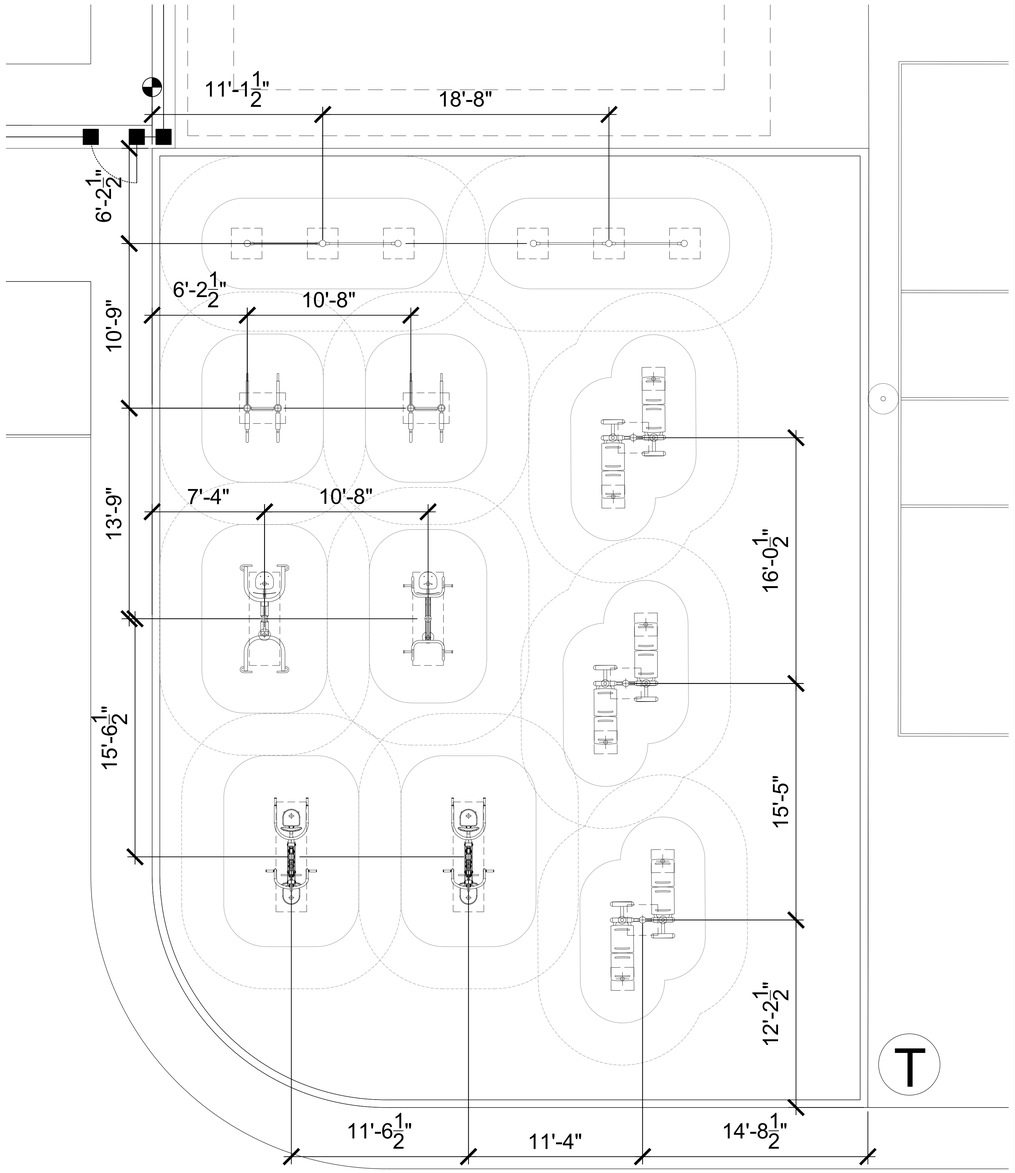
100% CONSTRUCTION DOCUMENTS

KEY PLAN









LEGEND

SYMBOL	DESCRIPTION	REMARKS
⊕	START DIMENSION	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
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tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
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LICENSED LANDSCAPE ARCHITECT
RICHARD TANAKA
3198
Expiration / Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

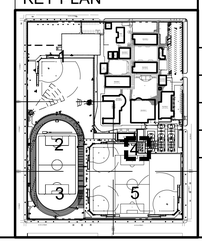
ENLARGED SITE LAYOUT PLAN:
FITNESS AREA

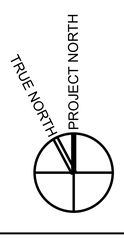
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L4.08

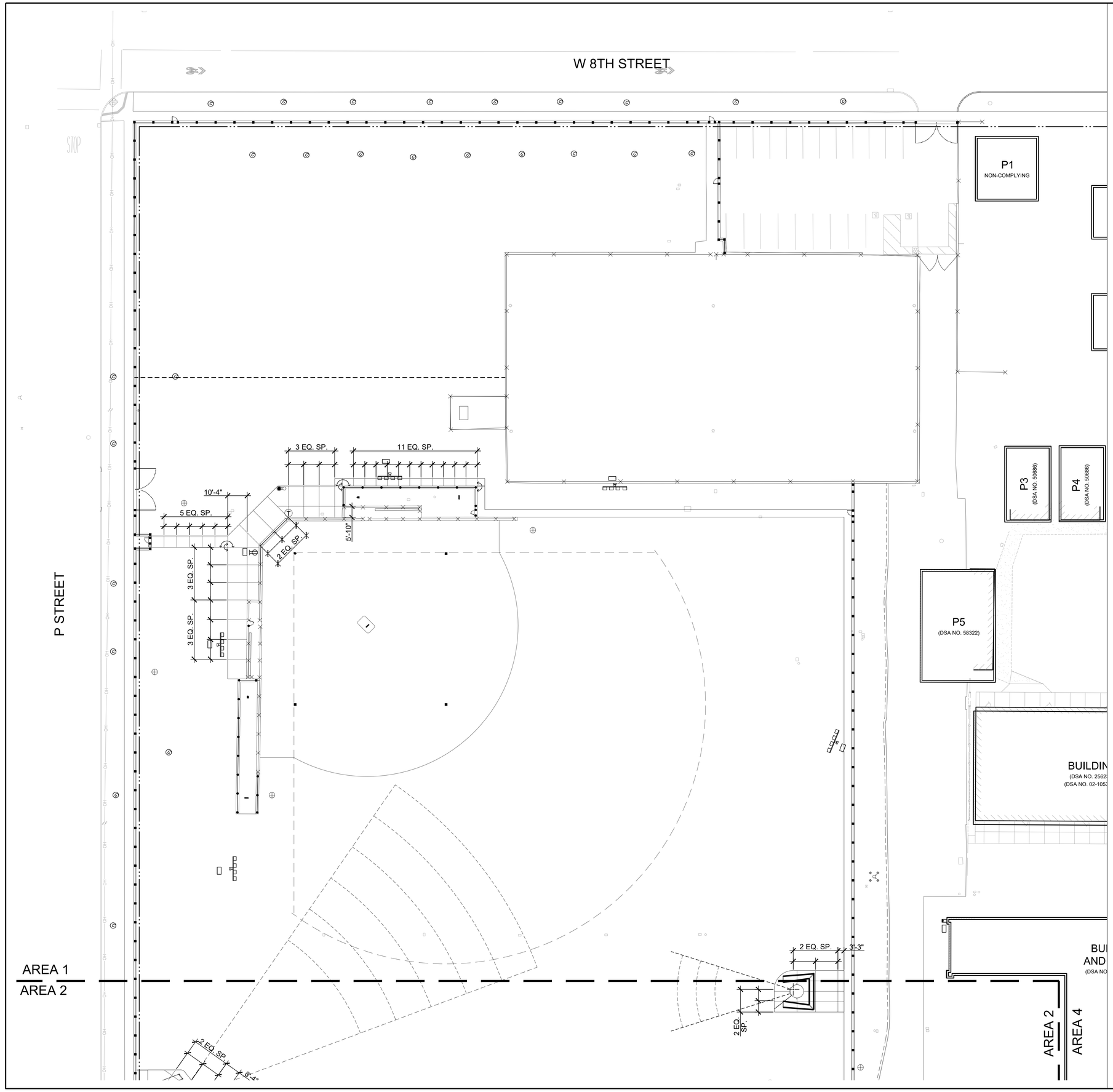
100% CONSTRUCTION DOCUMENTS

KEY PLAN









LEGEND

SYMBOL	DESCRIPTION	REMARKS
	ALIGN WITH ADJACENT PAVING EDGE	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
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LICENSED LANDSCAPE ARCHITECT
3199
Registration
12/31/26
Renewal Date
STATE OF CALIFORNIA

CONSULTANT

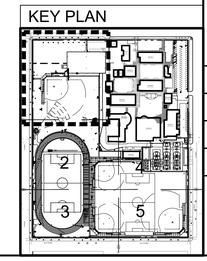
PAVING JOINT LAYOUT PLAN:
AREA 1

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCEED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L5.00

KEY PLAN



TRUE NORTH
PROJECT NORTH

0 10' 20' 40'

AREA 1
AREA 2

AREA 2
AREA 3

P STREET

AREA 2

AREA 4

BUI
AND
(DSA NO.

2 EQ. SP.
3'-3"
2 EQ. SP.
2 EQ. SP.
8'-4"
2 EQ. SP.
5'-9"

1 2 3 4 5 6 7 8

2 EQ. SP.

LEGEND

SYMBOL	DESCRIPTION	REMARKS
	ALIGN WITH ADJACENT PAVING EDGE	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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design group
3755 balboa street,
suite 204
san francisco,
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t: (415) 863-7800
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BRENT TANAKA
3199
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PAVING JOINT LAYOUT PLAN:
AREA 2

100% CONSTRUCTION DOCUMENTS

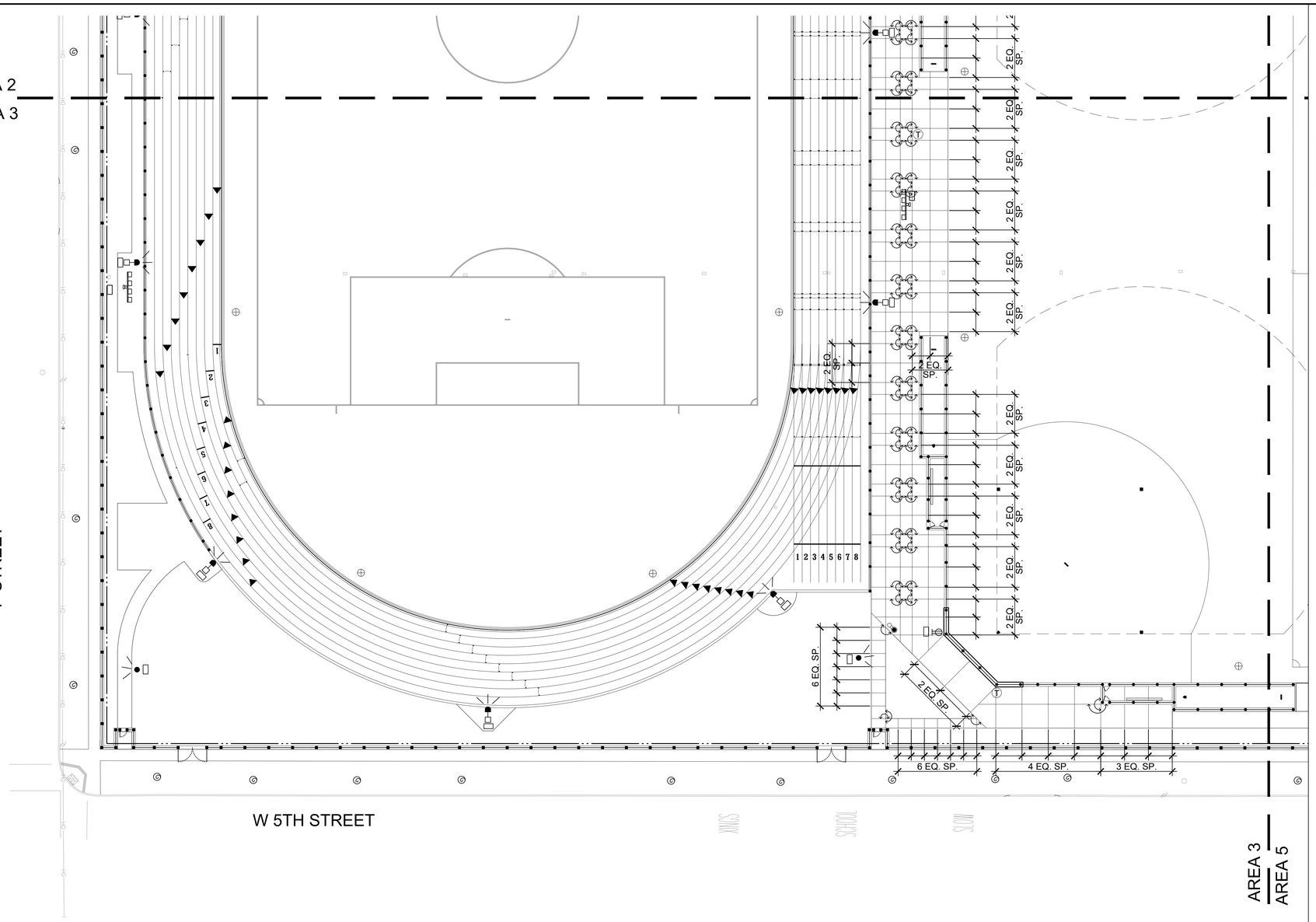
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCEED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L5.01

KEY PLAN

TRUE NORTH
PROJECT NORTH

0 10' 20' 40'



LEGEND

SYMBOL	DESCRIPTION	REMARKS
	ALIGN WITH ADJACENT PAVING EDGE	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
BRETT TANAKA
3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

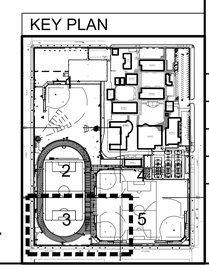
PAVING JOINT LAYOUT PLAN:
AREA 3

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCEED, CA 95341

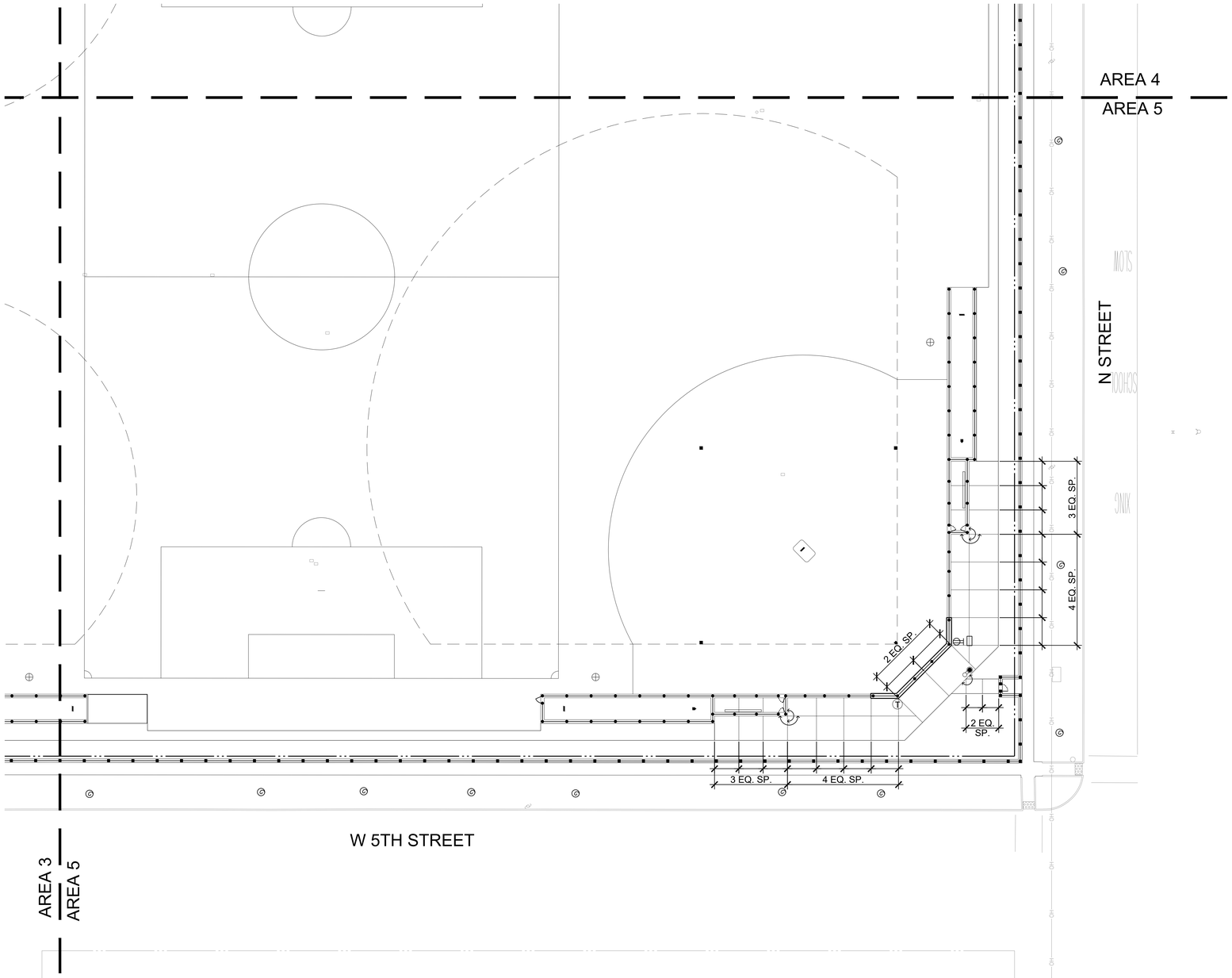
DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L5.02

KEY PLAN



TRUE NORTH
PROJECT NORTH

0 10' 20' 40'



LEGEND

SYMBOL	DESCRIPTION	REMARKS
	ALIGN WITH ADJACENT PAVING EDGE	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
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LICENSED LANDSCAPE ARCHITECT
BRIAN TANAKA
3199
Signature
12/31/26
Renewal Date
STATE OF CALIFORNIA

CONSULTANT

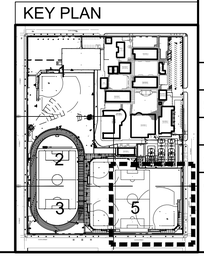
PAVING JOINT LAYOUT PLAN:
AREA 5

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCEED, CA 95341

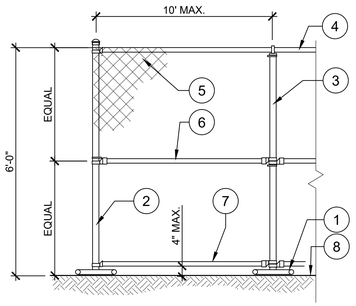
DATE: 01/19/2026
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DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L5.04

KEY PLAN

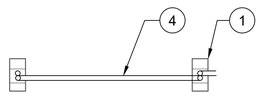


TRUE NORTH
PROJECT NORTH

0 10' 20' 40'



ELEVATION



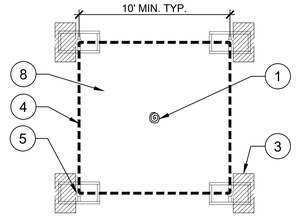
PLAN

LEGEND

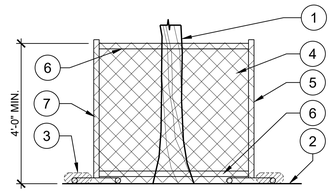
1. PIPE STAND, MIN. 1" DIA.
2. 2" DIA. MIN. END OR CORNER POST.
3. LINE POST TO BE 1-5/8" DIA. MIN.
4. TOP, BOTTOM AND MID RAIL TO BE 1-1/2" DIA. MIN.
5. CHAIN LINK FRABIC, 11 GA.
6. MID RAIL.
7. BOTTOM RAIL.
8. EXISTING FINISH GRADE.

1 TEMPORARY CONSTRUCTION FENCE

NOT TO SCALE



PLAN



ELEVATION

LEGEND

1. EXISTING TREE TO BE PROTECTED.
2. EXISTING FINISH GRADE.
3. PLACE SANDBAG ON TOP OF STAND - (ALTERNATE SIDES). MIN. 60 LBS. WT.
4. CHAIN LINK FABRIC.
5. CHAIN LINK FENCE POST ON STAND.
6. TOP AND BOTTOM RAIL.
7. MINIMUM OF TWO BOLTED CLAMPS REQUIRED TO JOIN FENCE SECTION. WIRING FENCE SECTIONS TOGETHER IS NOT PERMITTED.
8. TREE PROTECTION ZONE.

NOTES

A. PROTECTION BARRIERS TO BE CONSTRUCTED AROUND 'EXISTING TREES LISTED TO REMAIN'. THE TREE PROTECTION BARRIERS ARE TO BE CONSTRUCTED PRIOR TO PERFORMING ANY DEMOLITION OR CLEARING WORK.

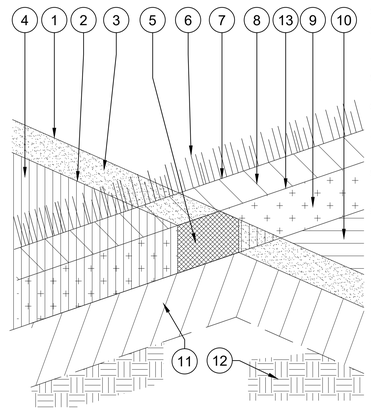
B. WHERE TREE PROTECTION FENCE IS WITHIN 10' OF PROPOSED HARDSCAPE, FENCE SHALL BE 12" CLEAR OF PROPOSED HARDSCAPE EDGE.

C. FILL ENTIRE ENCLOSED AREA WITH ORGANIC MULCH, PER SPECS.

D. MAXIMUM POST SPACING IS 10 FEET.

2 TEMPORARY TREE PROTECTION FENCE

NOT TO SCALE



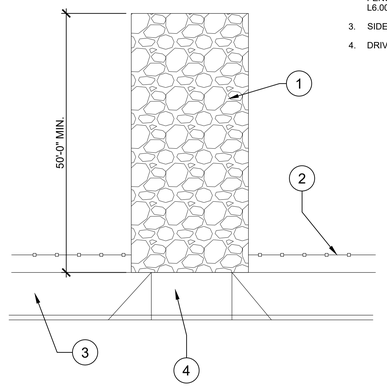
DIAGRAMMATIC

LEGEND

1. FINISH GRADE, TYPICAL.
2. FINISH SUBGRADE.
3. TOPSOIL, IMPORT AND/OR STOCKPILED.
4. FILL SOIL, COMPACTED.
5. EXISTING TOPSOIL, TO REMAIN IN PLACE.
6. EXISTING TURF AND THATCH, CLEAR AND GRUB,
7. EXISTING FINISH GRADE, PRIOR TO CLEARING AND GRUBBING OPERATIONS.
8. SOIL WITH ORGANIC MATERIAL, 3" MINIMUM LAYER, CLEAR AND GRUB,
9. EXISTING TOPSOIL, 6"± THICK LAYER, EXCAVATE, REMOVE AND STOCKPILE FOR RE-USE OR OFFHAUL.
10. EXISTING SUBGRADE SOIL, EXCAVATE, REMOVE AND STOCKPILE FOR REUSE OR OFFHAUL.
11. EXISTING SUBGRADE SOIL, CROSS RIP AND COMPACT PER SPECIFICATIONS.
12. UNDISTURBED SUBGRADE SOIL.
13. EXISTING FINISH GRADE, AFTER CLEARING AND GRUBBING OPERATIONS.

3 CLEARING, GRUBBING AND EARTHWORK

NOT TO SCALE



PLAN

LEGEND

1. STABILIZED CONSTRUCTION ENTRANCE 20' WIDE, 8" THICK STONE (2" TO 3").
2. TEMPORARY CONSTRUCTION FENCE, SEE DETAIL 1, SHEET L6.00.
3. SIDEWALK, WHERE OCCURS.
4. DRIVEWAY, WHERE OCCURS.

4 STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration / Renewal Date
12/31/26
STATE OF CALIFORNIA

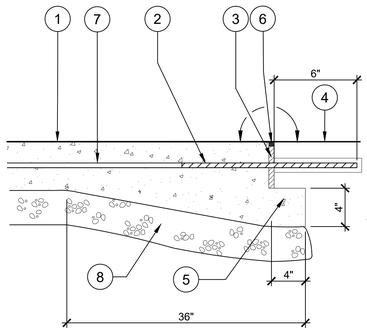
CONSULTANT

SITE PREPARATION DETAILS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L6.00

100% CONSTRUCTION DOCUMENTS



SECTION

LEGEND

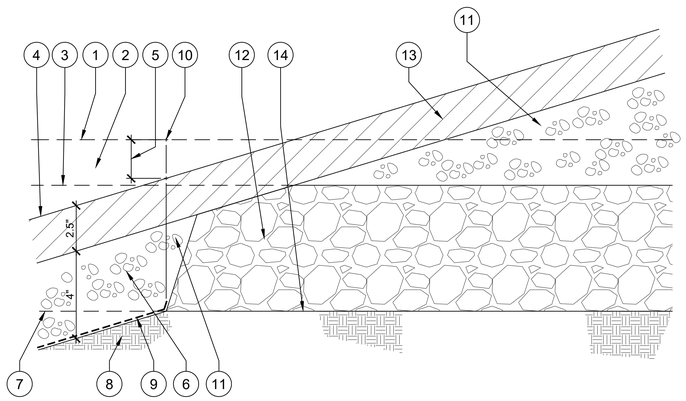
1. NEW CONCRETE PAVING.
2. SMOOTH DOWEL, NO. 4 x 12" @ 24" O.C. & 6" CLEAR FROM EDGE OF SLAB. DRILL & EPOXY DOWEL INTO EXISTING CONCRETE PAVING & GREASE OTHER END TO SET INTO NEW CONCRETE.
3. EXPANSION JOINT, 1/2" THICK ASPHALT IMPREGNATED JOINT FILLER.
4. EXISTING CONCRETE PAVING.
5. THICKENED PAVING EXTENDING BELOW EXISTING SLAB.
6. CAULK AT EXPANSION JOINT, INSTALL A REGLET BETWEEN FELT AND CAULK.
7. REBAR, SEE CONCRETE PAVING DETAIL.
8. CLASS 2 AGGREGATE BASE, 95% RELATIVE COMPACTION.

NOTES

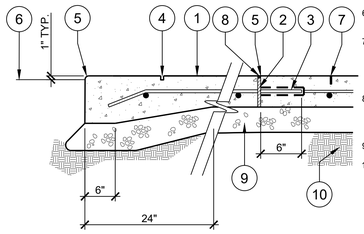
A. TENSION TESTING OF DOWELS NOT REQUIRED.

1 CONCRETE PAVING AT EX. CONCRETE PAVING

NOT TO SCALE



SECTION - DIAGRAMMATIC



SECTION

LEGEND

1. CONCRETE PAVING.
2. EXPANSION JOINT, 1/2" THICK ASPHALT IMPREGNATED JOINT FILLER. LOCATE PER PLAN.
3. #4 DOWEL X 12" @ 24" O.C., SLIP ONE END AND KEEP 4" MIN. CLEAR FROM PAVING EDGE.
4. 1/4" X 3/8" TOOLED SCORE JOINT, PER PLAN.
5. TOOLED EDGE, 1/4" R.
6. FINISH GRADE OF PLANTING AREA.
7. CONTROL JT., TOOLED, 1/4" WIDE; DEPTH = 1/3 SLAB THICKNESS INCLUDING @ THICKENED SLAB, LOCATE PER PLAN.
8. CAULK AT EXPANSION JOINT, INSTALL A REGLET BETWEEN FELT AND CAULK. CAULK COLOR TO BE GRAY.
9. AGGREGATE BASE.
10. COMPACTED SUBGRADE.

2 CONCRETE PAVING

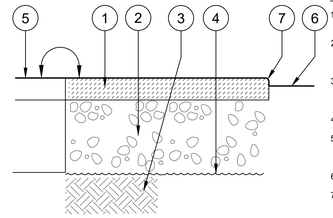
NOT TO SCALE

LEGEND

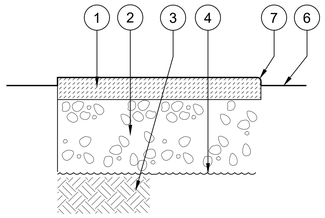
1. EXISTING FINISH SURFACE OF ASPHALT PAVING.
2. REMOVE EXISTING ASPHALT, ASSUME 2"± THICK.
3. TOP OF EXISTING AGGREGATE BASE.
4. FINISH SURFACE OF NEW ASPHALT PAVING.
5. WHERE FINISH SURFACE OF NEW ASPHALT PAVING IS 1.5" OR GREATER BELOW THE FINISH SURFACE OF THE EXISTING ASPHALT PAVING, REMOVE THE ENTIRE LAYER OF AGGREGATE BASE.
6. REMOVE EXISTING AGGREGATE BASE, ASSUME 6"± THICK.
7. EXISTING FINISH SUBGRADE, EXCAVATE AND REMOVE WHERE REQUIRED TO INSTALL NEW IMPROVEMENTS.
8. COMPACTED SUBGRADE.
9. GEOTEXTILE FABRIC.
10. LIMIT OF WORK WHERE ENTIRE EXISTING AGGREGATE BASE MATERIAL SHALL BE REMOVED. REFER TO DEMOLITION PLAN.
11. NEW AGGREGATE BASE.
12. EXISTING AGGREGATE BASE, ASSUME 6"± THICK.
13. NEW ASPHALT PAVING, THICKNESS VARIES.
14. EXISTING FINISH SUBGRADE.

NOTES

A. REFER TO GEOTECHNICAL SOILS REPORT FOR ADDITIONAL INFORMATION.



SECTION AT ADJACENT PAVING



SECTION

LEGEND

1. ASPHALT PAVING, 3" MIN. THICK.
2. CLASS 2 AGGREGATE BASE, 6" MIN. THICK, 95% RELATIVE COMPACTION.
3. COMPACTED SUBGRADE, 92% RELATIVE COMPACTION, TO A DEPTH OF 12" MIN.
4. FINISH SUBGRADE.
5. EXISTING FINISH SURFACE OF ADJACENT PAVING WHERE OCCURS.
6. FINISH GRADE.
7. WHERE PAVING MEETS PLANTING AREA, COMPACT AND ROUND OFF (1/2" RADIUS) CORNER OF ASPHALT.

NOTES

A. WHERE EMERGENCY VEHICLE ACCESS OCCURS AT ASPHALT PAVING, ASPHALT SHALL BE 5" THICK OVER 12" THICK CLASS 2 AGGREGATE BASE.

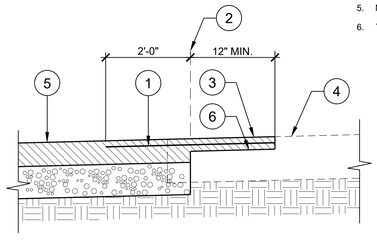
B. FOR ASPHALT PAVING EDGE, SEE DETAIL 6, SHEET L6.01.

3 ASPHALT PAVING

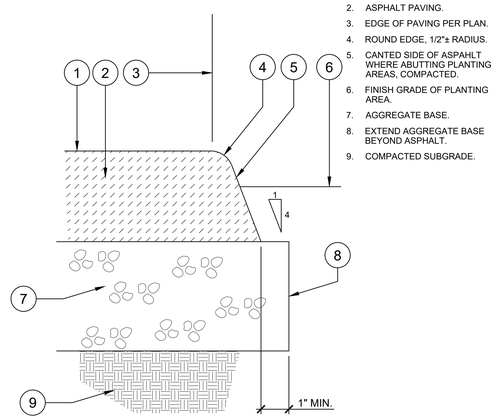
NOT TO SCALE

LEGEND

1. AMOCO PETROMAT STYLE 4599 GEOTEXTILE.
2. SAWCUT, LINE PER PLAN.
3. 2" DEEP ASPHALT GRIND.
4. EXISTING ASPHALT PAVING SECTION.
5. NEW ASPHALT PAVING.
6. TACK COAT.



SECTION

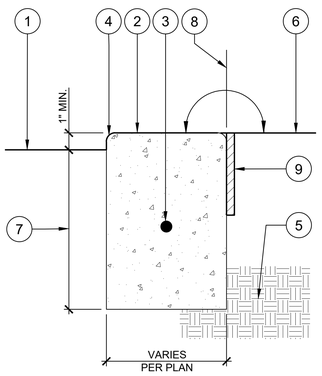


LEGEND

1. FINISH SURFACE.
2. ASPHALT PAVING.
3. EDGE OF PAVING PER PLAN.
4. ROUND EDGE, 1/2"± RADIUS.
5. CANTED SIDE OF ASPAHLT WHERE ABUTTING PLANTING AREAS, COMPACTED.
6. FINISH GRADE OF PLANTING AREA.
7. AGGREGATE BASE.
8. EXTEND AGGREGATE BASE BEYOND ASPHALT.
9. COMPACTED SUBGRADE.

4 ASPHALT PAVING AT SPORTS COURT

NOT TO SCALE



SECTION

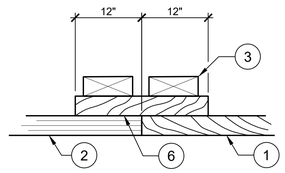
LEGEND

1. FINISH GRADE OF PLANTING AREA, PER PLAN.
2. CONCRETE BAND.
3. REBAR, #4, CONT., LAP 30" MIN. FOR BAND WIDER THAN 12", INSTALL 2 REBARS.
4. 1/2" RADIUS, TYP.
5. SUBGRADE, COMPACTED TO 90% RELATIVE DENSITY.
6. FINISH SURFACE OF PAVING AREA, PER PLAN.
7. 8" MINIMUM, EXCEPT 12" MINIMUM AT GATES WIDER THAN 8 FEET.

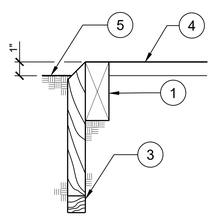
   EXCEPTION: FOR 12" OR WIDER BAND, THICKNESS SHALL BE 5" MINIMUM.
8. FACE OF WALL, PER PLAN.
9. EXPANSION JOINT PER DETAIL 1, SHEET L6.01.

NOTES

A. PROVIDE INTERSECTING EXPANSION JOINT AT CORNERS, TANGENTS, AND AT 10' MAXIMUM O.C. EXPANSION JOINT SHALL BE 1/2" THICK VERTICAL ASPHALT IMPREGNATED FELT, WITH JOINT SEALANT (WHERE VISIBLE), INSTALLED THROUGH ENTIRE SECTION. ALIGN WITH ABUTTING PAVING CONTROL/EXPANSION JOINTS WHERE POSSIBLE.



TOP VIEW: AT SPLICE



SECTION: STRAIGHT HEADER

LEGEND

1. HEADER, 2x6 REDWOOD, TYP.
2. HEADER AT CURVE, LAMINATED MEMBERS, 5-1/2" DEEP. USE LARGEST POSSIBLE MEMBERS TO ACHIEVE CURVES SHOWN ON PLAN.
3. STAKE, 2x4 @ 4' O.C. MAX.
4. FINISH SURFACE OF PAVING PER PLAN TO BE FLUSH WITH HEADER.
5. FINISH GRADE OF PLANTING AREA PER PLAN.
6. SPLICE MEMBER, 2x4 OR TWO 1x4's AT CURVES - SET 1" BELOW TOP OF HEADER.

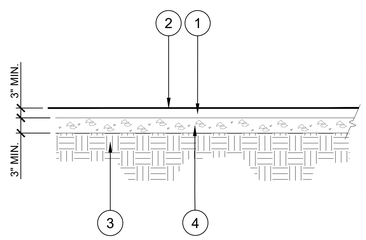
NOTES

A. ALL WOOD SHALL BE REDWOOD CONSTRUCTION HEART, ROUGH.

B. AT PAVING EDGE, LOCATE STAKE AND SPLICE IN PLANTING AREA.

5 ASPHALT PAVING AT SAWCUT LINE

NOT TO SCALE



SECTION

LEGEND

1. DECOMPOSED GRANITE, WET AND ROLLED TO EVENLY PITCHED GRADES, COMPACT TO 90% RELATIVE DENSITY.
2. FINISH SURFACE.
3. SUBGRADE, COMPACTED TO 90% RELATIVE DENSITY.
4. CLASS II AGGREGATE BASE MATERIAL, COMPACTED TO 90% RELATIVE DENSITY.

NOTES

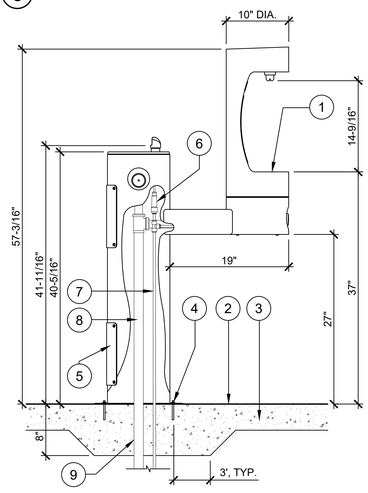
A. PREBLEND STABILIZER WITH DECOMPOSED GRANITE AT QUARRY SITE, PER MANUFACTURER'S RECOMMENDED RATE, BUT NOT LESS THAN 10 LBS. OF STABILIZER PER TON OF QUARRY FINES.

B. DECOMPOSED GRANITE MUST BE WET WHEN ROLLED. DO NOT ROLL DRY QUARRY FINES PAVING.

C. DECOMPOSED GRANITE SHALL BE CALIFORNIA GOLD FINES. SUBMIT SAMPLES FOR APPROVAL.

6 ASPHALT PAVING EDGE

NOT TO SCALE



SECTION/ELEVATION

LEGEND

1. DRINKING FOUNTAIN WITH BOTTLE FILLER.
2. FINISH SURFACE.
3. CONCRETE PAVING.
4. 1/2" QUICK BOLTS, TYPICAL OF 8.
5. ACCESS DOOR.
6. FILTER.
7. WATER SUPPLY.
8. DRAIN LINE.
9. DRAIN LINE TO DRY WELL, SEE DETAIL 7, SHEET L6.05.

NOTES

A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

7 CONCRETE BAND

NOT TO SCALE

8 WOOD HEADER

NOT TO SCALE

9 DECOMPOSED GRANITE PAVING

NOT TO SCALE

10 DRINKING FOUNTAIN & BOTTLE FILLER

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

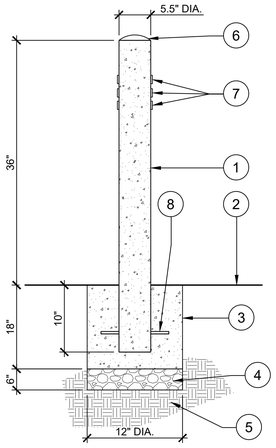
CONSULTANT

CONSTRUCTION DETAILS

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L6.01



SECTION

LEGEND

1. BOLLARD, FILLED WITH CONCRETE.
2. FINISH SURFACE.
3. CONCRETE FOOTING AT SURFACE MATCH ADJACENT PAVING COLOR AND FINISH.
4. DRAIN ROCK, 6" DEPTH.
5. COMPACTED SUBGRADE.
6. BOLLARD CAP.
7. REFLECTIVE TAPE.
8. WELDED ANCHOR TABS, TOTAL OF 4.

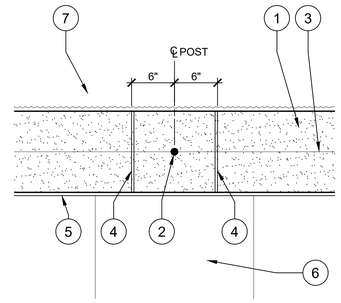
NOTES

A. REFLECTIVE TAPE SHALL BE BY 3M, WWW.3M.COM, MODEL: 3M FLEXIBLE PRISMATIC CONSPICUITY MARKINGS 913 SERIES OR EQUAL, COLOR: RED & WHITE.

B. BOLLARD CAP SHALL BE BY ULINE, WWW.ULINE.COM, BLACK PLASTIC CAP FOR 5.5" SAFETY BOLLARDS, MODEL: H-4970-CAP OR EQUAL, COLOR: BLACK.

1 BOLLARD

NOT TO SCALE



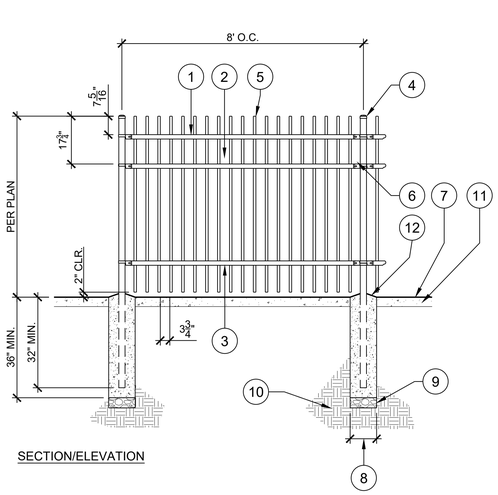
PLAN

LEGEND

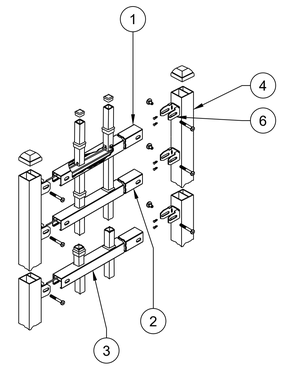
1. CONCRETE BAND, 18" WIDE, CENTERED ON FENCE LINE, SEE DETAIL 7, SHEET L6.01.
2. FENCE POST PER PLAN.
3. FENCE LINE.
4. EXPANSION JOINT, ON EACH SIDE OF FENCE POST, TYPICAL.
5. EXPANSION JOINT WHERE CONCRETE PAVING ABUTS CONCRETE MOW BAND.
6. PAVING PER PLAN.
7. PLANTING AREA PER PLAN.

2 CONCRETE BAND AT FENCE

NOT TO SCALE



SECTION/ELEVATION



ISOMETRIC VIEW

LEGEND

1. TOP RAIL, 1-3/4" SQ.
2. MID RAIL, 1-3/4" SQ.
3. BOTTOM RAIL, 1-3/4" SQ.
4. POST, 3" SQ., U.O.N.
5. PICKET, 1" SQ., KEEP PLUMB, RACKED INSTALLATION.
6. MOUNTING BRACKET, BX301SR FLAT MOUNT, SEE DETAIL 5, SHEET L6.03, TYPICAL.
7. FINISH SURFACE.
8. CONCRETE FOOTING, 12" DIA. DRILLED PIER.
9. DRAIN ROCK, 4" LAYER.
10. SUBGRADE AT 95% COMPACTION.
11. CONCRETE BAND AT FENCE, SEE DETAIL 2, SHEET L6.02.
12. SLOPE AT 2% MIN. OR SLOPE TO DRAIN.

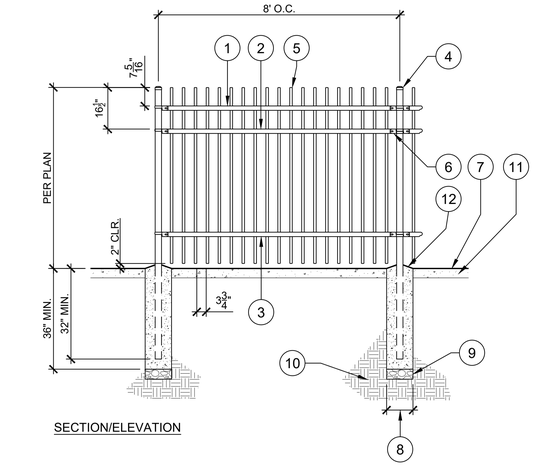
NOTES

A. LOCATE POSTS AT CORNERS, ENDS AND TANGENTS OF FENCE LINE. WHERE POST SUPPORT GATE, SEE GATE DETAILS FOR POST & FOOTING SIZES.

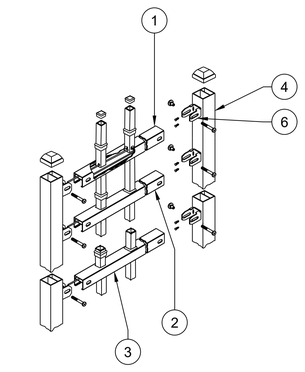
B. WHERE POST SUPPORTS GATE, SEE GATE DETAILS.

3 METAL FENCE, TYPE 'A'

NOT TO SCALE



SECTION/ELEVATION



ISOMETRIC VIEW

LEGEND

1. TOP RAIL, 1-3/4" SQ.
2. MID RAIL, 1-3/4" SQ.
3. BOTTOM RAIL, 1-3/4" SQ.
4. POST, 3" SQ., U.O.N.
5. PICKET, 1" SQ., KEEP PLUMB, RACKED INSTALLATION.
6. MOUNTING BRACKET, BX301SR FLAT MOUNT, SEE DETAIL 5, SHEET L6.03, TYPICAL.
7. FINISH SURFACE.
8. CONCRETE FOOTING, 12" DIA. DRILLED PIER.
9. DRAIN ROCK, 4" LAYER.
10. SUBGRADE AT 95% COMPACTION.
11. CONCRETE BAND AT FENCE, SEE DETAIL 2, SHEET L6.02.
12. SLOPE AT 2% MIN. OR SLOPE TO DRAIN.

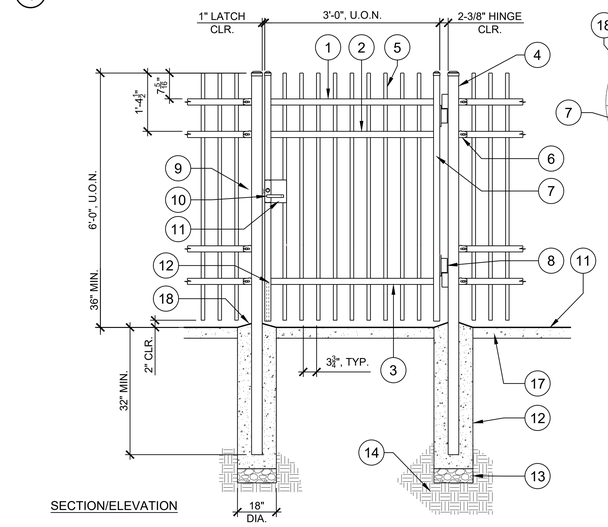
NOTES

A. LOCATE POSTS AT CORNERS, ENDS AND TANGENTS OF FENCE LINE. WHERE POST SUPPORT GATE, SEE GATE DETAILS FOR POST & FOOTING SIZES.

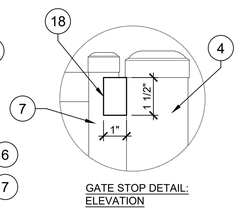
B. WHERE POST SUPPORTS GATE, SEE GATE DETAILS.

4 METAL FENCE, TYPE 'B'

NOT TO SCALE



SECTION/ELEVATION



GATE STOP DETAIL: ELEVATION

LEGEND

1. TOP RAIL, 1-3/4" SQ.
2. MID RAIL, 1-3/4" SQ.
3. BOTTOM RAIL, 1-3/4" SQ.
4. POST, 3" SQ., MIN., SEE NOTE 'A'.
5. PICKET, 1" SQ., KEEP PLUMB, RACKED INSTALLATION.
6. MOUNTING BRACKET, BX301SR FLAT MOUNT, TYPICAL. SEE DETAIL 5, SHEET L6.03.
7. GATE UPRIGHT, 2".
8. HINGE, FOR ADDITIONAL INFORMATION SEE NOTE C.
9. GATE STRIKE, SEE NOTE E.
10. GATE LEVER, SEE DETAIL 3, SHEET L6.03.
11. ALUMINUM TUBE, MOUNTED TO GATE UPRIGHT AND PICKET.
12. KEYED DROP BOLT, SEE DETAIL 6, SHEET L6.03.
13. FINISH SURFACE.
14. CONCRETE FOOTING.
15. DRAIN ROCK, 4" LAYER.
16. SUBGRADE AT 95% COMPACTION.
17. CONCRETE BAND AT FENCE, SEE DETAIL 2, SHEET L6.02.
18. GATE STOP, 1" X1.5" X 3/16" THICKNESS, WELDED TO GATE POST.

NOTES

A. POST SIZE DEPENDS ON FENCE HEIGHT, WEIGHT AND WIND LOADS. SEE ECHELON II SPECIFICATIONS FOR POST SIZING CHART.

B. SEE AMERISTAR GATE TABLE FOR STANDARD OUT TO OUTS.

C. HINGE SHALL BE BY AMERISTAR, MODEL: HU518 OR EQUAL.

D. PROVIDE DOOR STOP IN PAVING, BY FS18L OR EQUAL. LOCATE DOOR STOP AT FULL SWING OPENING IN PAVEMENT.

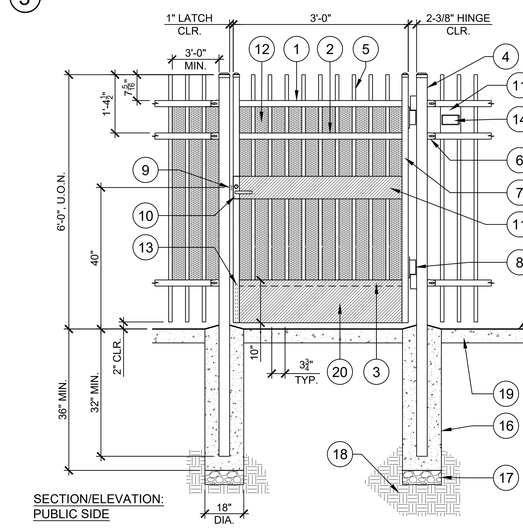
E. GATE STRIKE SHALL BE BY VON DUPRIN, 299 STRIKE.

F. INSTALL A GROUNDCATCHER, BY LOCINOX, MODEL: EGS, IN BOTH CLOSED AND FULLY OPEN POSITIONS - COORDINATE WITH DOORSTOP INSTALLATION.

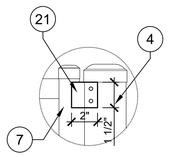
G. FOR ADDITIONAL INFORMATION, SEE SPECS.

6 METAL GATE, SINGLE LEAF

NOT TO SCALE



SECTION/ELEVATION: PUBLIC SIDE



GATE STOP DETAIL: ELEVATION

LEGEND

1. TOP RAIL, 1-3/4" SQ.
2. MID RAIL, 1-3/4" SQ.
3. BOTTOM RAIL, 1-3/4" SQ.
4. POST, 3" SQ.
5. PICKET, 1" SQ., KEEP PLUMB, RACKED INSTALLATION.
6. MOUNTING BRACKET, BX301SR FLAT MOUNT, SEE DETAIL 5, SHEET L6.03.
7. GATE UPRIGHT, 2".
8. HINGE, FOR ADDITIONAL INFORMATION SEE NOTE C.
9. GATE STRIKE, SEE NOTE E.
10. GATE LEVER, SEE DETAIL 4, SHEET L6.03. MOUNTED ONTO PUSH BAR ON THE OTHER SIDE OF GATE.
11. ALUMINUM TUBE, MOUNTED TO GATE UPRIGHT AND PICKETS.
12. SCREEN PANEL, MOUNTED TO GATE UPRIGHT AND RAIL, SEE NOTE G.
13. KEYED DROP BOLT, SEE DETAIL 6, SHEET L6.03.
14. KNOX BOX, SEE NOTE F.
15. FINISH SURFACE.
16. CONCRETE FOOTING.
17. DRAIN ROCK, 4" LAYER.
18. SUBGRADE AT 95% COMPACTION.
19. CONCRETE BAND AT FENCE, SEE DETAIL 2, SHEET L6.02.
20. KICK PLATE, MOUNT TO GATE UPRIGHT, BOTTOM RAIL AND PICKET, SEE DETAIL 4, SHEET L6.04.
21. GATE STOP, 2" X 1.5" X 3/16" THICKNESS, MOUNTED TO GATE POST WITH SELF TAPPING SCREW, #10 X 3/4", TYP. OF 2.

NOTES

A. POST SIZE DEPENDS ON FENCE HEIGHT, WEIGHT AND WIND LOADS. SEE ECHELON II SPECIFICATIONS FOR POST SIZING CHART.

B. SEE AMERISTAR GATE TABLE FOR STANDARD OUT TO OUTS.

C. HINGE SHALL BE BY AMERISTAR, MODEL: HU518 OR EQUAL.

D. PROVIDE DOOR STOP IN PAVING, BY FS18L OR EQUAL. LOCATE DOOR STOP AT FULL SWING OPENING IN PAVEMENT.

E. GATE STRIKE SHALL BE BY VON DUPRIN, 299 STRIKE.

F. INSTALL KNOX BOX ON FENCE POST. KNOX BOX SHALL BE BY COMMERCIAL KNOX BOX (WWW.KNOXBOX.COM), KNOX BOX 3200, MODEL #: 3261, COLOR: BLACK, SURFACE MOUNTED.

G. SCREEN PANEL SHALL BE BY McNICHOLS OR EQUAL, 18 GAUGE, 3/16" DIAMETER PERFORATIONS AT 3/8" O.C., STAGGERED PATTERN, FRAME: U-EDGING, MOUNT WITH SELF TAPPING SCREWS.

H. PUSH BAR SHALL BE BY VON DUPRIN, MODEL: XP99 SERIES, CENTER CASE DIMENSIONS: 8" x 2 3/4" x 2 3/8", FINISH: STAINLESS STEEL.

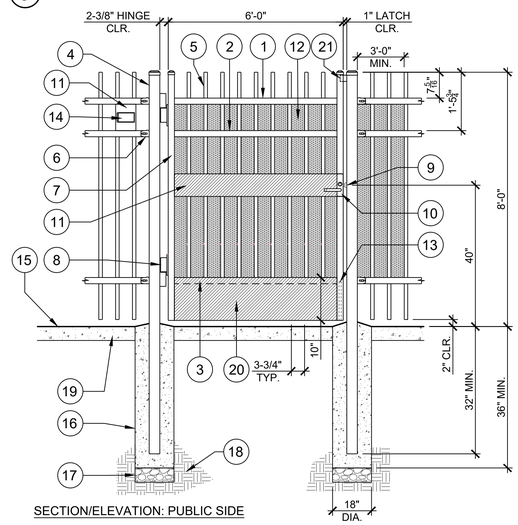
I. LOCK SHALL BE BY SCHLAGE, PRIMUS RIM CYLINDER 20-757 LOCATED ON OUTSIDE OF GATE AND THROUGH DOOR LEVER.

J. GATE SHALL CONFORM TO ALL REGULATIONS REGARDING THE MAXIMUM FORCE NEEDED TO OPEN GATES. ADA COMPLIANCE IS 4 LBS OF OPENING FORCE.

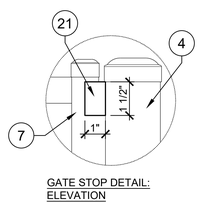
K. INSTALL A GROUNDCATCHER, BY LOCINOX, MODEL: EGS, IN BOTH CLOSED AND FULLY OPEN POSITIONS - COORDINATE WITH DOORSTOP INSTALLATION.

5 METAL GATE, SINGLE LEAF - PANIC HARDWARE

NOT TO SCALE



SECTION/ELEVATION: PUBLIC SIDE



GATE STOP DETAIL: ELEVATION

LEGEND

1. TOP RAIL, 1-3/4" SQ.
2. MID RAIL, 1-3/4" SQ.
3. BOTTOM RAIL, 1-3/4" SQ.
4. POST, 3" SQ.
5. PICKET, 1" SQ., KEEP PLUMB, RACKED INSTALLATION.
6. MOUNTING BRACKET, BX301SR FLAT MOUNT, TYPICAL. SEE DETAIL 5, SHEET L6.03.
7. GATE UPRIGHT, 2".
8. HINGE, FOR ADDITIONAL INFORMATION SEE NOTE C.
9. GATE STRIKE, SEE NOTE E.
10. GATE LEVER, SEE DETAIL 4 SHEET L6.03. MOUNTED ONTO PUSH BAR ON THE OTHER SIDE OF GATE.
11. STEEL TUBE, WELDED TO GATE UPRIGHT AND PICKETS.
12. SCREEN PANEL, WELDED TO GATE UPRIGHT AND RAIL, SEE NOTE G.
13. KEYED DROP BOLT, SEE DETAIL 6, SHEET L6.03.
14. KNOX BOX, SEE NOTE F.
15. FINISH SURFACE.
16. CONCRETE FOOTING.
17. DRAIN ROCK, 4" LAYER.
18. SUBGRADE AT 95% COMPACTION.
19. CONCRETE BAND AT FENCE, SEE DETAIL 2, SHEET L6.02.
20. KICK TUBE, 10" X 2" X 3/16", WELDED TO GATE UPRIGHT AND PICKETS, SEE DETAIL 4, SHEET L6.04.
21. GATE STOP, 1" X 1.5" X 3/16" THICKNESS, WELDED TO GATE POST.

NOTES

A. POST SIZE DEPENDS ON FENCE HEIGHT, WEIGHT AND WIND LOADS. SEE MONTAGE II SPECIFICATIONS FOR POST SIZING CHART.

B. SEE AMERISTAR GATE TABLE FOR STANDARD OUT TO OUTS.

C. HINGE SHALL BE BY AMERISTAR, MODEL: HU518 OR EQUAL.

D. PROVIDE DOOR STOP IN PAVING, BY FS18L OR EQUAL. LOCATE DOOR STOP AT FULL SWING OPENING IN PAVEMENT.

E. GATE STRIKE SHALL BE BY VON DUPRIN, 299 STRIKE.

F. INSTALL KNOX BOX ON FENCE POST. KNOX BOX SHALL BE BY COMMERCIAL KNOX BOX (WWW.KNOXBOX.COM), KNOX BOX 3200, MODEL #: 3261, COLOR: BLACK, SURFACE MOUNTED.

G. SCREEN PANEL SHALL BE BY McNICHOLS OR EQUAL, 18 GAUGE, 3/16" DIAMETER PERFORATIONS AT 1/4" O.C., STAGGERED PATTERN, GALVANIZED.

H. PUSH BAR SHALL BE BY VON DUPRIN, MODEL: XP99 SERIES, CENTER CASE DIMENSIONS: 8" x 2 3/4" x 2 3/8", FINISH: STAINLESS STEEL.

I. LOCK SHALL BE BY SCHLAGE, PRIMUS RIM CYLINDER 20-757, LOCATED ON OUTSIDE OF GATE AND THROUGH DOOR LEVER.

J. GATE SHALL CONFORM TO ALL REGULATIONS REGARDING THE MAXIMUM FORCE NEEDED TO OPEN GATES. ADA COMPLIANCE IS 4 LBS OF OPENING FORCE.

K. INSTALL A GROUNDCATCHER, BY LOCINOX, MODEL: EGS, IN BOTH CLOSED AND FULLY OPEN POSITIONS - COORDINATE WITH DOORSTOP INSTALLATION.

7 METAL GATE AT ELECTRICAL EQUIPMENT ENCLOSURE

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
NEIL MORRISON
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

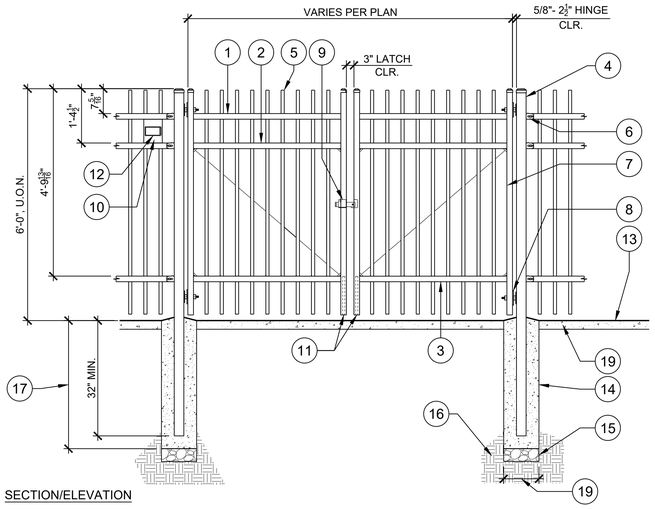
CONSULTANT

100% CONSTRUCTION DOCUMENTS

CONSTRUCTION DETAILS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L6.02



SECTION/ELEVATION

LEGEND

1. TOP RAIL, 1-3/4" SQ.
2. MID RAIL, 1-3/4" SQ.
3. BOTTOM RAIL, 1-3/4" SQ.
4. POST, 3" SQ. MIN., SEE NOTE A.
5. PICKET, 1" SQ., KEEP PLUMB, RACKED INSTALLATION.
6. MOUNTING BRACKET, BX301SR FLAT MOUNT, TYPICAL. SEE DETAIL 5, SHEET L6.03.
7. GATE UPRIGHT, 2".
8. HINGE, FOR ADDITIONAL INFORMATION SEE NOTE C.
9. GATE LATCH, SEE NOTE E.
10. STEEL TUBE, WELDED TO GATE UPRIGHT AND PICKETS.
11. KEYED DROP BOLT, SEE DETAIL 6, SHEET L6.03.
12. KNOX BOX, SEE NOTE F.
13. FINISH SURFACE.
14. CONCRETE FOOTING.
15. DRAIN ROCK, 4" LAYER.
16. SUBGRADE AT 95% COMPACTION.
17. 36" MINIMUM, OR 48" IF GATE LEAF WIDTH IS GREATER THAN 6'.
18. 18" DIA. OR 24" IF GATE LEAF WIDTH IS GREATER THAN 6'.
19. CONCRETE BAND, SEE DETAIL 2, SHEET L6.02.

NOTES

A. POST SIZE DEPENDS ON FENCE HEIGHT, WEIGHT AND WIND LOADS. SEE ECHELON II SPECIFICATIONS FOR POST SIZING CHART.

B. SEE AMERISTAR GATE TABLE FOR STANDARD OUT TO OUTS.

C. HINGE SHALL BE BYAMERISTAR, MODEL: MHH180 OR EQUAL.

D. PROVIDE DOOR STOP IN PAVING, BY FS18L OR EQUAL. LOCATE DOOR STOP AT FULL SWING OPENING IN PAVEMENT.

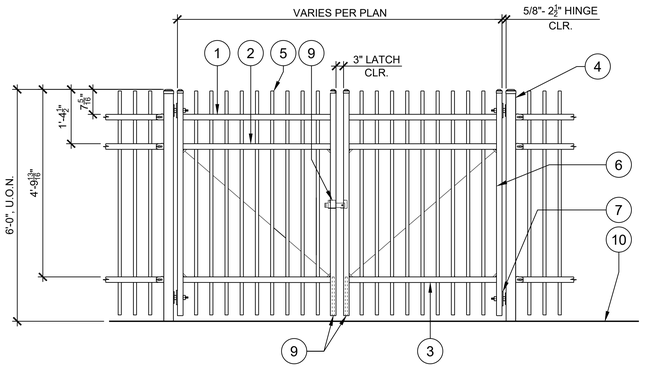
E. GATE LATCH SHALL BE BY AMERISTAR, STRONG ARM DOUBLE GATE LATCH, MODEL: DSB200, OR EQUAL.

F. INSTALL KNOX BOX ON FENCE POST. KNOX BOX SHALL BE BY COMMERCIAL KNOX BOX (WWW.KNOXBOX.COM), KNOX BOX 3200, MODEL #: 3261, COLOR: BLACK, SURFACE MOUNTED.

G. INSTALL A GROUNDCATCHER, BY LOCINOX, MODEL: EGS, IN BOTH CLOSED AND FULLY OPEN POSITIONS - COORDINATE WITH DOORSTOP INSTALLATION.

1 METAL GATE, DOUBLE LEAF

NOT TO SCALE



SECTION/ELEVATION

LEGEND

1. TOP RAIL, 1-3/4" SQ.
2. MID RAIL, 1-3/4" SQ.
3. BOTTOM RAIL, 1-3/4" SQ.
4. EXISTING CHAIN LINK FENCE POST.
5. PICKET, 1" SQ., KEEP PLUMB, RACKED INSTALLATION.
6. GATE UPRIGHT, 2".
7. HINGE, FOR ADDITIONAL INFORMATION SEE NOTE C.
8. GATE LATCH, SEE NOTE 'E'.
9. KEYED DROP BOLT, SEE DETAIL 6, SHEET L6.03.
10. FINISH SURFACE.

NOTES

A. POST SIZE DEPENDS ON FENCE HEIGHT, WEIGHT AND WIND LOADS. SEE ECHELON II SPECIFICATIONS FOR POST SIZING CHART.

B. SEE AMERISTAR GATE TABLE FOR STANDARD OUT TO OUTS.

C. HINGE SHALL BE BYAMERISTAR, MODEL: MHH180 OR EQUAL.

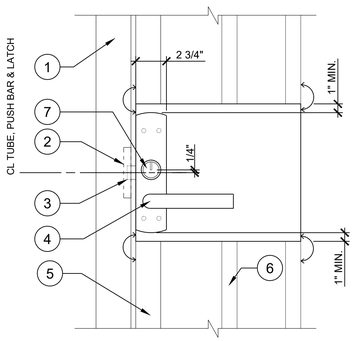
D. PROVIDE DOOR STOP IN PAVING, BY FS18L OR EQUAL. LOCATE DOOR STOP AT FULL SWING OPENING IN PAVEMENT.

E. GATE LATCH SHALL BE BY AMERISTAR, STRONG ARM DOUBLE GATE LATCH, MODEL: DSB200, OR EQUAL.

F. INSTALL A GROUNDCATCHER, BY LOCINOX, MODEL: EGS, IN BOTH CLOSED AND FULLY OPEN POSITIONS - COORDINATE WITH DOORSTOP INSTALLATION.

2 METAL GATE, DOUBLE LEAF, AT EXISTING CHAIN LINK FENCE POST

NOT TO SCALE



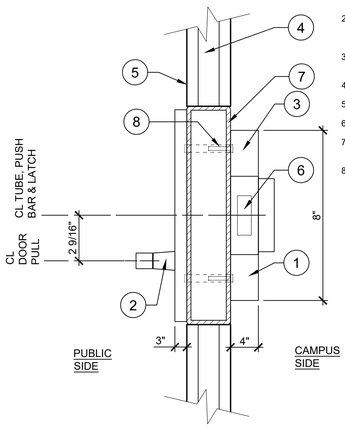
ELEVATION

LEGEND

1. POST, 3" SQUARE BY #12 GA.
2. GATE STRIKE.
3. GATE LATCH BOLT.
4. GATE LEVER, VON DUPRIN, MODEL: 996L-NL LEVER.
5. GATE UPRIGHT, 2", #11 GA.
6. PICKET, 1" SQUARE, #14 GA. KEPP PLUMB, RACKED INSTALLATION.
7. LOCK SHALL BE BY SCHLAGE, PRIMUS RIM CYLINDER 20-757, LOCATED ON OUTSIDE OF GATE AND THROUGH DOOR LEVER.

3 GATE LEVER

NOT TO SCALE



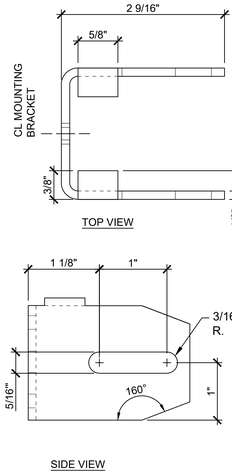
SECTION

LEGEND

1. PUSH BAR, VON DUPRIN, SERIES 99.
2. GATE LEVER, VON DUPRIN, MODEL: 996L-NL, SEE DETAIL 3, SHEET L6.03.
3. MOUNT ALUMINUM PLATE TO PICKET.
4. GATE PICKET.
5. GATE END.
6. GATE LATCH BOLT.
7. ALUMINUM PANIC TUBE, SEE DETAIL 5, SHEET L6.02.
8. CENTER CASE SCREWS, TYP. OF 4, #1024 x 1".

4 GATE LEVER AND PUSH BAR

NOT TO SCALE

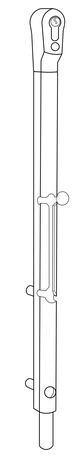


NOTE

A. MOUNTING BRACKET SHALL BE BY AMERISTAR, MODEL: BX301SR FLAT MOUNT, DRILL INTO GATE POST, COLOR: MATCH GATE COLOR.

5 MOUNTING BRACKET

NOT TO SCALE

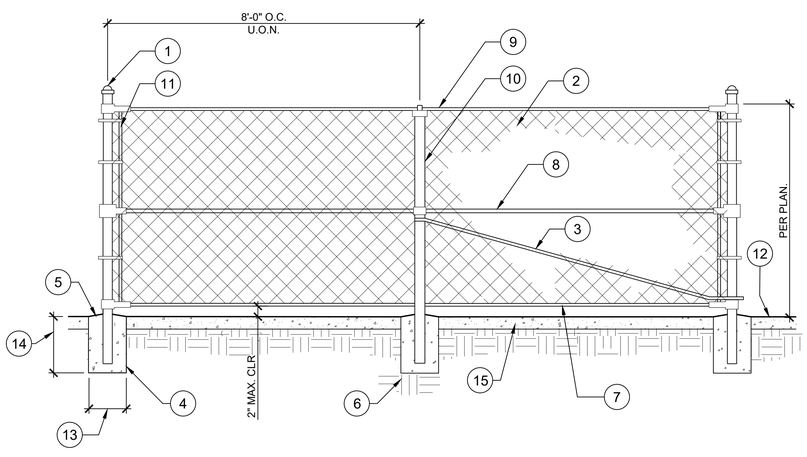


NOTES

A. KEYED DROP BOLT SHALL BE BY LOCINOX, MODEL 'KEYDROP'. INSTALL ON CAMPUS (INTERIOR) SIDE OF GATE. KEY SHALL MATCH GATE LOCK. COLOR: MATCH GATE COLOR.

6 KEYED DROP BOLT

NOT TO SCALE



ELEVATION/SECTION

LEGEND

1. CORNER, END OR GATE POST, 4" DIA. PIPE FOR 12' HIGH FENCE, 3" DIA. PIPE FOR 6' AND 8' HIGH FENCE.
2. GALVANIZED METAL WIRE MESH WITH BLACK VINYL COATING, U.O.N.
3. TRUSS ROD AND FITTINGS AT CORNERS AND GATES.
4. POST FOOTING, CONCRETE.
5. SLOPE AWAY FROM POST, EXCEPT AT GATES. SLOPE AT 2% OR SLOPE TO DRAIN.
6. SUBGRADE AT 95% COMPACTION.
7. BOTTOM RAIL, 1 5/8" DIA. PIPE, 2" MAX. CLEAR OF FINISH SURFACE.
8. MID RAIL, 1 5/8" FOR FENCE GREATER THAN 5' HIGH.
9. TOP RAIL, 1 5/8" DIA. PIPE.
10. LINE POST, 3" DIA. PIPE FOR 12' HIGH FENCE OR 2.5" DIA. FOR 6' AND 8' HIGH FENCE AT 10' MAX O.C.
11. STRETCHER BAR, TYP.
12. FINISH SURFACE OF CONCRETE BAND, WHERE OCCURS.
13. 18" DIA. FOOTING FOR 12' HIGH FENCE AND AT GATES, 12" DIA. FOR 8' HIGH OR LOWER FENCE.
14. 12' HIGH FENCE: 5' AT END/CORNER POSTS, 4' EVERYWHERE ELSE.
    8' HIGH FENCE: 4' AT CORNER/END, 3' AT LINE POST.
    6' HIGH FENCE: 3' AT CORNER/END, 2' AT LINE POST.
15. CONCRETE BAND AT FENCE, SEE DETAIL 2, SHEET L6.02.

NOTES

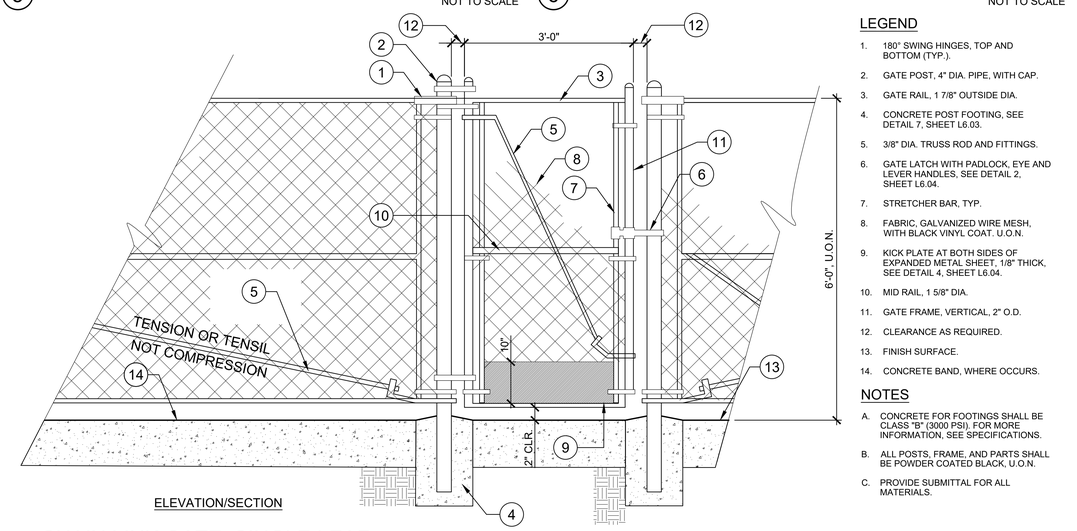
A. CONCRETE FOR FOOTINGS SHALL BE CLASS "B" (3000 PSI). FOR MORE INFORMATION, SEE SPECIFICATIONS.

B. ALL POSTS, FRAME, AND PARTS SHALL BE POWDER COATED BLACK. U/O.N.

C. PROVIDE SUBMITTAL FOR ALL MATERIALS.

7 CHAIN LINK FENCE

NOT TO SCALE



ELEVATION/SECTION

LEGEND

1. 180° SWING HINGES, TOP AND BOTTOM (TYP.).
2. GATE POST, 4" DIA. PIPE, WITH CAP.
3. GATE RAIL, 1 7/8" OUTSIDE DIA.
4. CONCRETE POST FOOTING, SEE DETAIL 7, SHEET L6.03.
5. 3/8" DIA. TRUSS ROD AND FITTINGS.
6. GATE LATCH WITH PADLOCK, EYE AND LEVER HANDLES, SEE DETAIL 2, SHEET L6.04.
7. STRETCHER BAR, TYP.
8. FABRIC, GALVANIZED WIRE MESH, WITH BLACK VINYL COAT. U.O.N.
9. KICK PLATE AT BOTH SIDES OF EXPANDED METAL SHEET, 1/8" THICK, SEE DETAIL 4, SHEET L6.04.
10. MID RAIL, 1 5/8" DIA.
11. GATE FRAME, VERTICAL, 2" O.D.
12. CLEARANCE AS REQUIRED.
13. FINISH SURFACE.
14. CONCRETE BAND, WHERE OCCURS.

NOTES

A. CONCRETE FOR FOOTINGS SHALL BE CLASS "B" (3000 PSI). FOR MORE INFORMATION, SEE SPECIFICATIONS.

B. ALL POSTS, FRAME, AND PARTS SHALL BE POWDER COATED BLACK, U.O.N.

C. PROVIDE SUBMITTAL FOR ALL MATERIALS.

8 CHAIN LINK GATE, SINGLE LEAF

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3199
Expiration Renewed Date
12/31/26
STATE OF CALIFORNIA

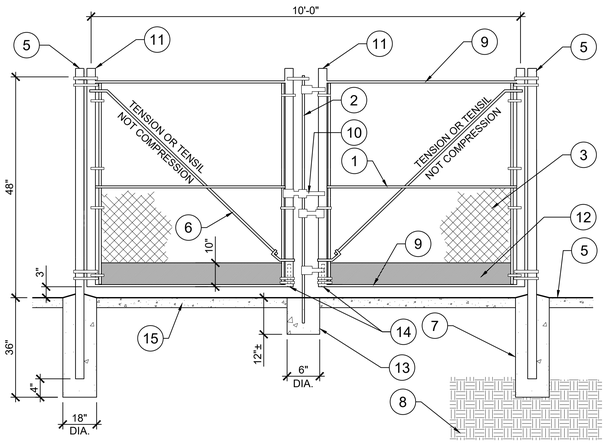
CONSULTANT

CONSTRUCTION DETAILS

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L6.03



SECTION / ELEVATION

LEGEND

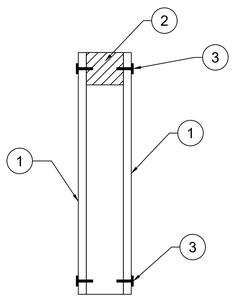
1. MIDRAIL, 1 5/8" DIA. FOR GATES 5' HIGH MIN.
2. LOCKING MECHANISM.
3. CHAIN LINK WIRE MESH, GALVANIZED & VINYL COATED: BLACK, U.O.N.
4. FINISH GRADE, OR FINISH SURFACE.
5. TERMINAL OR CORNER POST AT GATE, 3" OUTSIDE DIAMETER.
6. TRUSS ROD.
7. CONCRETE FOOTING, TYP.
8. COMPACTED SUBGRADE TO 95% RELATIVE DENSITY.
9. GATE RAIL, 1 7/8" OUTSIDE DIA.
10. GATE LATCH PER DETAIL 2, SHEET L6.04.
11. GATE FRAME, VERTICAL, 2 1/2" O.D. FOR 4' HIGH FENCE, 3" O.D. FOR GREATER THAN 4' HIGH FENCE.
12. KICK PLATE AT GATE BOTTOM, EXPANDED METAL SHEET, 1/8" THICK, SEE DETAIL 4, SHEET L6.04.
13. CONCRETE FOOTING WITH SLEEVE TO ACCEPT LOCKING MECHANISM IN CLOSED POSITION, TYP. OF 3 (OTHER LOCATIONS TO BE WHERE GATE IS OPEN, VIF).
14. CANE BOLT.
15. CONCRETE BAND AT FENCE, SEE DETAIL 2, SHEET L6.02.

NOTES

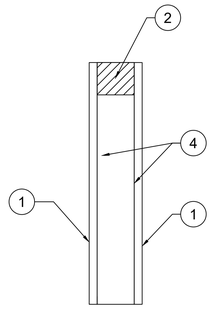
A. CONCRETE FOR FOOTINGS SHALL BE CLASS "B" (3000 PSI). FOR MORE INFORMATION, SEE SPECIFICATIONS.
B. PROVIDE SUBMITTAL FOR ALL MATERIALS.
C. PROVIDE CANE BOLT TO ONE GATE, PER DETAIL 3, SHEET L6.04.
D. PAINT ALL PARTS BLACK, U.O.N.
E. LOCKS ARE NIC., TYP.

1 CHAIN LINK GATE, DOUBLE LEAF

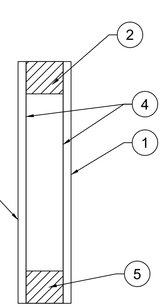
NOT TO SCALE



SECTION: METAL GATE, MOUNTED



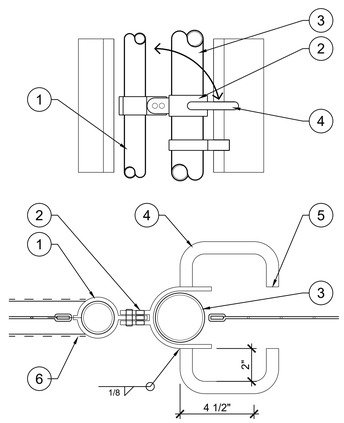
SECTION: METAL GATE, WELDED



SECTION: CHAIN LINK GATE, WELDED

LEGEND

1. KICK PLATE.
2. FENCE RAIL.
3. SELF TAPPING SCREWS, NO. 10 x 3/4", @ 6" O.C.
4. WELDED TO GATE UPRIGHT AND RAIL.
5. GATE FRAME.



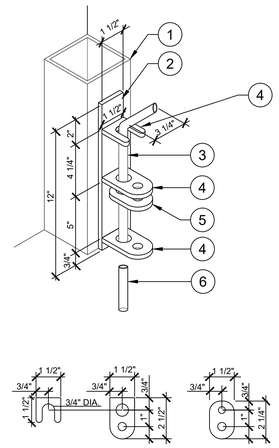
SECTION

LEGEND

1. GATE FRAME.
2. GATE LATCH WITH PADLOCK EYE.
3. GATE JAMB POST.
4. 3/4" DIA. LEVER HANDLE (AT BOTH SIDES).
5. CAP END OF LEVER WITH STEEL PLATE, WELD AND GRIND SMOOTH.
6. STEEL KICK PLATE TO BOTH SIDES OF GATE.

2 GATE LATCH

NOT TO SCALE



LEGEND

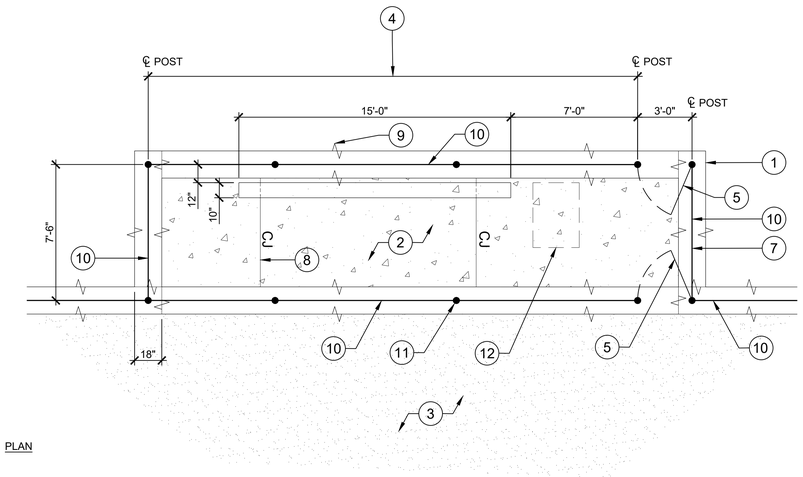
1. STEEL TUBE OR PIPE AS APPLIES.
2. WELD 1/4" STEEL BACKING PLATE TO TUBE OR PIPE WITH 1/4" FILLET WELD ALL AROUND.
3. 5/8" DIA. CANE BOLT.
4. WELD TO BACKING PLATE.
5. WELD TO CANE BOLT.
6. INSTALL STEEL SLEEVE IN PAVEMENT TO ACCEPT CANT BOLT IN OPEN AND CLOSED POSITIONS, VIF.

NOTES

A. PROVIDE 1" DIA. HOLES FOR CANE BOLT AND 5/8" DIA. HOLES FOR PADLOCK, TYP.
B. ALL WELDS TO BE 1/4" FILLET WELDS ALL AROUND 1/4" STEEL PLATE, TYP.

3 CANE BOLT

NOT TO SCALE



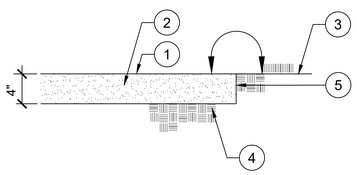
PLAN

LEGEND

1. CONCRETE BAND, 18" WIDE, CENTER ON FENCE POST, SEE DETAIL 2, SHEET L6.02.
2. CONCRETE PAVING, SEE CIVIL DRAWINGS.
3. INFIELD MIX, SEE DETAIL 6, SHEET L6.04.
4. FENCE POSTS EQUALLY SPACED.
5. CHAIN LINK GATE, 3' WIDE X 6' HIGH, SEE DETAIL 8, SHEET L6.03.
6. PLAYER'S BENCH, SEE DETAIL 7, SHEET L6.04.
7. CENTER LINE OF CHAIN LINK FENCE, TYPICAL.
8. CONTROL JOINT, TYPICAL,
9. EXPANSION JOINT, TYPICAL, SEE DETAIL 1, SHEET L6.01.
10. CHAIN LINK FENCE, SEE DETAIL 7, SHEET L6.03.
11. ALIGN POST WITH OPPOSITE POST ACROSS DUGOUT, TYPICAL.
12. ADA WHEELCHAIR SPACE, 30" X 42".

4 KICK PLATE AT GATE

NOT TO SCALE



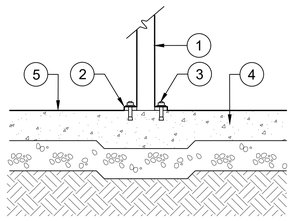
SECTION

LEGEND

1. FINISH SURFACE.
2. INFIELD MIX.
3. FINISH GRADE OF TURF AREA.
4. COMPACTED SUBGRADE.
5. SHARP, CLEAN & COMPACTED CUT TO DEFINE EDGE OF INFIELD MIX.

6 INFIELD MIX

NOT TO SCALE



SECTION

LEGEND

1. BENCH LEG/POST, TYP. OF 3 PER BENCH.
2. SURFACE MOUNT PLATE, PROVIDED BY MANUFACTURER.
3. EXPANSION ANCHOR BOLTS, 3/8" DIA. X 4" LONG, WASHERS, AND NUTS, INSTALL PER MANUFACTURER'S INSTRUCTIONS.
4. CONCRETE PAVING, SEE CIVIL DRAWINGS.
5. FINISH SURFACE.

NOTES

A. INCREASE THICKNESS OF CONCRETE PAVING BY 2" WHERE WITHIN 12" OF ANCHOR BOLTS. REFER TO TECHNICAL SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

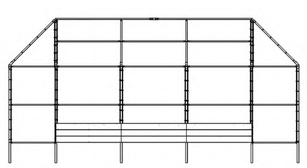
7 PLAYER'S BENCH

NOT TO SCALE

5 DUGOUT

NOT TO SCALE

PERMANENT HOODED BACKSTOP
INSTALLATION INSTRUCTIONS
MODEL #1234-03



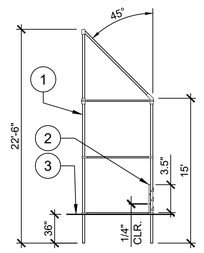
Description: A heavy duty backstop shipped unassembled with all parts and instructions for quick assembly.

Materials: All pipe and fittings are galvanized steel. Sizes given are outside diameter and exposed ends are capped. Planking is recycled plastic.

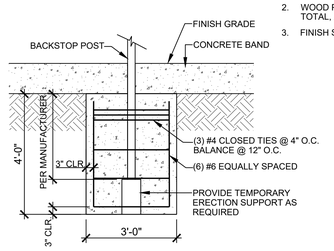
Specifications	Size
Vertical Posts	2-7/8"
Horizontal Rails	1-5/8"
Top Hood Rails	1-7/8"
Hood Angle Posts	2-3/8"
RCP	2' x 12"

Date:	3/2/23	PRODUCT NAME	HOODED BACKSTOP
Rev:		MODEL NO.	1234-03-SPEC
Drawn:	CW		
Sheet:	1 of 8		

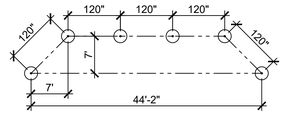
ATHLETIC MFG. CO.



SIDE VIEW



FOOTING DETAIL



FOOTING DIMENSIONS

FOOTING DETAIL
1) Determine the location of the backstop so the rear panel is perpendicular to a line running from 2nd base through home plate and the wings are parallel with the sides of the diamond.
2) Dig holes according to Footing Plan below and Footing Detail. Place all the posts in the holes resting on the blocks. Each post shall be 12'-0" above ground and 10'-0" on center. Place a horizontal stiffener on the ground between each of the posts. Place a rail end fitting on each end of the stiffeners. Place a brace band over each post adjacent to each rail end fitting. Bolt the rail end fitting to the corresponding brace band. Make sure the horizontal stiffeners fit into the rail end fittings at least 1".
NOTE: All carriage bolt heads are facing the playing field.
3) With the proper spacing established, plumb all the posts and pour the concrete footings up to 2" of finish grade and let set for three days before removal of bracing.
NOTE: Footing sizes are based on the assumed soil bearing pressures from IBC 1807.

LEGEND

1. BACKSTOP.
2. WOOD PLANKS, 3 ROWS TOTAL, 2" X 2"..
3. FINISH SURFACE.

8 BASEBALL BACKSTOP (EXEMPT FROM REVIEW BY DSA STRUCTURAL-SAFETY)

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

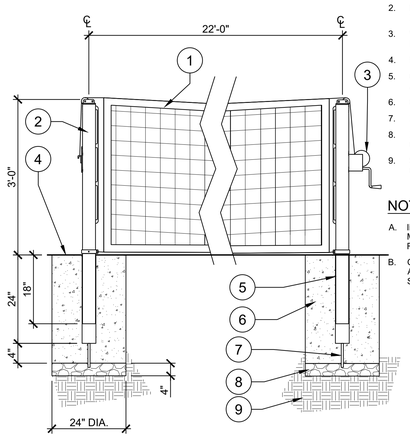
CONSULTANT

CONSTRUCTION DETAILS

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L6.04



SECTION/ELEVATION

LEGEND

1. PICKLE BALL NET.
2. NET POST, ALUMINUM, 3.5" DIA., REMOVABLE.
3. WORM GEAR CRANK WITH REMOVABLE HANDLE.
4. FINISH SURFACE.
5. GROUND SLEEVE, ALUMINUM.
6. CONCRETE FOOTING.
7. DRAIN PIPE, PVC, 1" DIA.
8. DRAIN ROCK, 3/4" SIZE, COMPACTED.
9. SUBGRADE AT 95% COMPACTION.

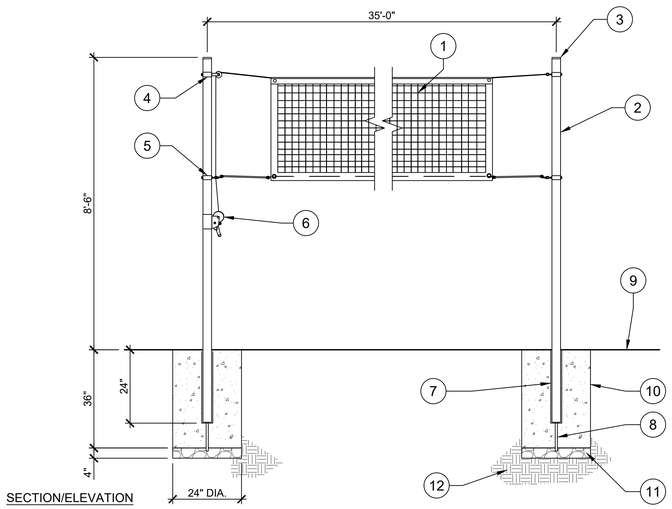
NOTES

A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

B. GROUND SLEEVE, FOR ADDITIONAL INFORMATION, SEE GENERAL NOTES.

1 PICKLEBALL NET POST SYSTEM

NOT TO SCALE



SECTION/ELEVATION

LEGEND

1. VOLLEY BALL NET.
2. NET POST, 3" SQ., 10'-6" LONG., REMOVABLE.
3. NET POST CAP.
4. COLLAR WITH PULLEY.
5. COLLAR WITH EYE BOLTS.
6. COLLAR WITH REEL AND HARDWARE.
7. GROUND SLEEVE, STEEL.
8. DRAIN PIPE, PVC, 1" DIA.
9. FINISH SURFACE.
10. CONCRETE FOOTING.
11. DRAIN ROCK, 3/4" SIZE, COMPACTED.
12. SUBGRADE AT 95% COMPACTION.

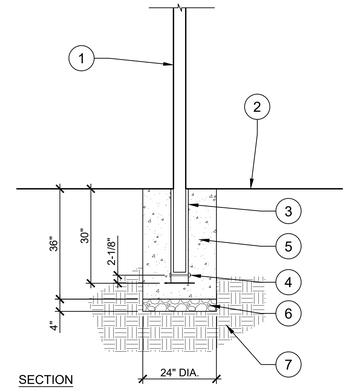
NOTES

A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

B. GROUND SLEEVE, FOR ADDITIONAL INFORMATION, SEE GENERAL NOTES.

2 VOLLEYBALL NET POST SYSTEM

NOT TO SCALE



SECTION

LEGEND

1. SHOT PUT OR DISCUS CAGE POLE.
2. FINISH SURFACE.
3. GROUND SLEEVE.
4. ANTI-ROTATION STOP BOLT, TYP. OF 1 PER POLE.
5. CONCRETE FOOTING.
6. DRAIN ROCK, 3/4" SIZE, COMPACTED.
7. SUBGRADE AT 95% COMPACTION.

NOTES

A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

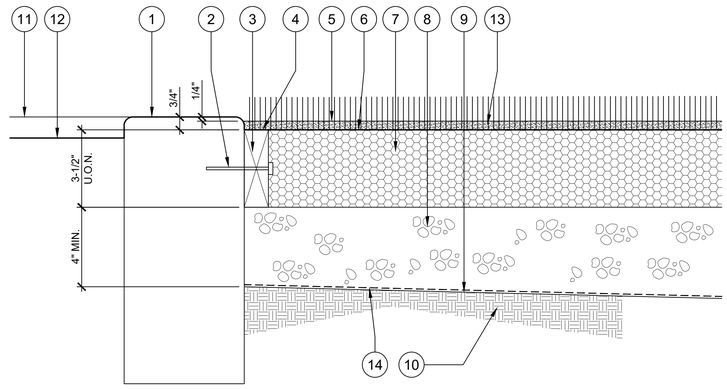
B. GROUND SLEEVE SHALL BE BY SPORTSFIELD SPECIALTIES, MODEL: GS430.

C. PROVIDE OWNER WITH GROUND SLEEVE CAPS FOR EACH POLE.

D. GROUND SLEEVE CAP SHALL BE BY SPORTSFIELD SPECIALITIES, MODEL: GSC4P, COLOR BLACK.

3 SHOT PUT & DISCUS CAGE FOOTING DESIGN

NOT TO SCALE



SECTION

LEGEND

1. CONCRETE BAND.
2. FASTENER, SEE NOTE 'A'.
3. NAILER, COMPOSITE WOOD, 2X4 SIZE.
4. ATTACH SYNTHETIC TURF TO NAILER WITH GLUE AND STAPLES, GALVANIZED, 6" O.C.
5. TOP OF INFILL IS FINISH SURFACE PER PLAN.
6. SYNTHETIC TURF BACKING MATERIAL.
7. RESILIENT RUBBER PIP SHREDDED SBR CUSHION DEPTH VARIES DEPENDING ON FALL HEIGHT OF FITNESS EQUIPMENT.
8. PERMEABLE AGGREGATE BASE, COMPACTED TO 92% RELATIVE DENSITY.
9. FINISH SUBGRADE PER PLAN.
10. COMPACTED SUBGRADE.
11. FINISH SURFACE OF PAVEMENT PER PLAN, MEET FLUSH WITH TOP OF CURB.
12. FINISH GRADE OF PLANTING AREA PER PLAN.
13. INFILL, SILICONE PELLETS, 1/2" LAYER.
14. FILTER FABRIC, MIRAFI 140N OR EQUAL..

NOTES

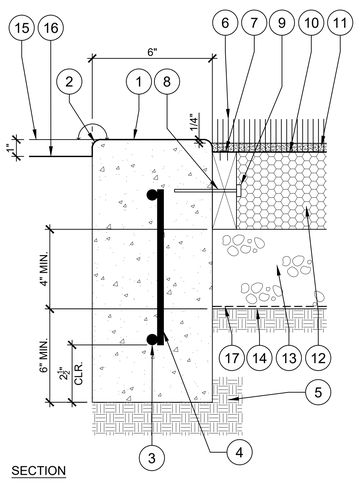
A. FASTENER SHALL BE ATTACHED TO LEDGER AT 12" O.C. & 6" MAX FROM ENDS OR CORNERS. TAPCON CONCRETE ANCHORS, HOT DIPPED GALVANIZED, FLAT, PHILLIPS, 3/16" DIA. X 2-3/4" LONG.

B. SEE GENERAL NOTES FOR SPECIFICATION.

C. SEE TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

4 SYNTHETIC TURF

NOT TO SCALE



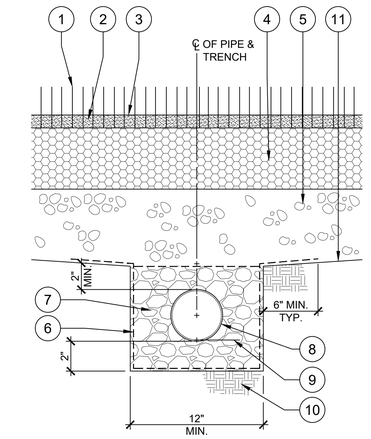
SECTION

LEGEND

1. CONCRETE BAND, SLOPE TOP TO SHED WATER.
2. 1/2" RADIUS, TYP.
3. REBAR, HORIZONTAL, NO. 4, AT 24" O.C.
4. REBAR, VERTICAL, NO. 4, AT 24" O.C..
5. COMPACTED SUBGRADE.
6. SYNTHETIC TURF.
7. STAPLE, GALVANIZED, SYNTHETIC TURF TO NAILER AT 6" O.C.
8. NAILER, COMPOSITE WOOD, 2X4 SIZE.
9. FASTENER, SEE DETAIL 4, SHEET L6.05.
10. BACKING OF SYNTHETIC TURF.
11. INFILL MATERIAL, 1/2" LAYER.
12. RESILIENT RUBBER PIP SHREDDED SBR CUSHION, DEPTH VARIES DEPENDING ON FALL HEIGHT OF FITNESS EQUIPMENT.
13. PERMEABLE AGGREGATE BASE COURSE. .
14. FINISH SUBGRADE, SLOPE 1% MINIMUM TO DRAIN.
15. FINISH SURFACE OF ADJACENT PAVING.
16. FINISH GRADE OF ADJACENT PLANTING AREA.
17. FILTER FABRIC, MIRAFI 140N OR EQUAL.

5 CONCRETE BAND AT SYNTHETIC TURF

NOT TO SCALE



SECTION

LEGEND

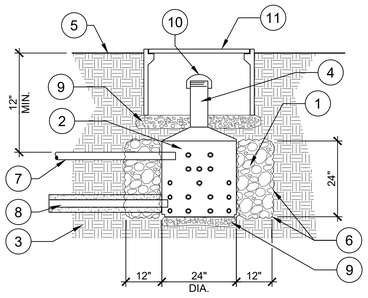
1. SYNTHETIC TURF.
2. INFILL, SILICONE PELLETS, 1/2" LAYER.
3. TOP OF INFILL IS FINISH SURFACE PER PLAN.
4. RESILIENT RUBBER.
5. PERMEABLE AGGREGATE BASE.
6. FILTER FABRIC, MIRAFI-140N OR EQUAL.
7. DRAIN ROCK, 3/4" SIZE.
8. PERFORATED PIPE, 4" DIA. SIZE, PLACE HOLES DOWN.
9. PERFORATED PIPE INVERT ELEVATION PER PLAN.
10. COMPACTED SUBGRADE.
11. FINISH SUBGRADE, SLOPE TO DRAIN PER PLAN.

NOTES

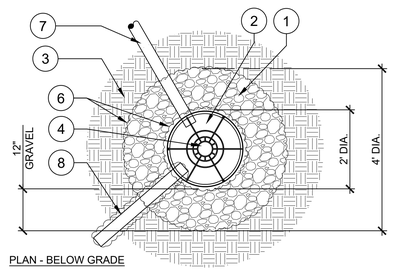
A. SEE TECHNICAL SPECIFICATIONS FOR ADDITIONAL INFORMATION.

6 PERFORATED PIPE TRENCH

NOT TO SCALE



SECTION



PLAN - BELOW GRADE

LEGEND

1. GRAVEL, 1" , WASHED.
2. DRY WELL.
3. SUBGRADE.
4. 4" DIA. SCH. 40 PVC PIPE, THREADED TO ACCEPT CAP.
5. FINISH GRADE PER PLAN.
6. FILTER FABRIC.
7. SANITARY SEWER (WASTE LINE) PIPE, 3" SIZE, FROM DRINKING FOUNTAIN.
8. FRENCH DRAIN, 10 FEET LONG, SEE NOTE C.
9. COMPACTED BASE ROCK, 4" MIN. THICK.
10. THREADED PVC CAP.
11. VALVE BOX.

NOTES

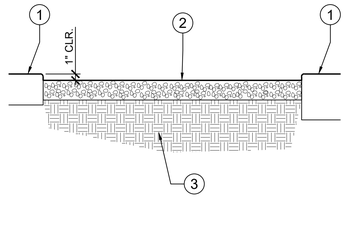
A. DRYWELL SHALL BE FLO-WELL NDS #FWAS24WH (NDSPRO.COM)

B. VALVE BOX SHALL BE CHRISTY B03 UTILITY BOX WITH CAST IRON LID WITH LOCK.

C. FRENCH DRAIN SHALL BE NDS (WWW.NDSPRO.COM), 'EZ FLOW' FRENCH DRAIN, MODEL: EZ-1001F, GRAVEL-FREE, 10" MESH WITH 4" SLOTTED PIPE, OR APPROVED EQUAL. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.

7 DRY WELL AT DRINKING FOUNTAIN & BOTTLE FILLER

NOT TO SCALE



SECTION

8 GRAVEL PAVING

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
3199
Nicole Marie Tanaka
Expiration / Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

100% CONSTRUCTION DOCUMENTS

CONSTRUCTION DETAILS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L6.05

Installation Instructions:
SGR045
2-Person Pull-Up Station

Greenfields Outdoor Fitness

This unit ships as 5 separately wrapped components.

Questions? Please call 888-315-9037 x105

Parts List:

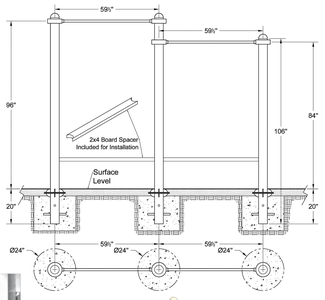
3x Extension for In Ground



6x Pegs



CFH: 96"







During installation, please be sure to also refer to the general installation instructions.

In order to honor our commitment to quality and safety, Greenfields Outdoor Fitness reserves the right to make changes and revise the design specifications without notice.

Greenfields' units are designed to accommodate the majority of users age 14 and above; however, due to the nature of outdoor fitness equipment, units are "one size fits most".

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LU22x01x11

1 2-PERSON PULL UP STATION
NOT TO SCALE

Installation Instructions:
SHP507
2-Person Static Combo

Greenfields Outdoor Fitness

This item ships as one fully assembled unit.

Questions? Please call 888-315-9037 x105

Parts List:

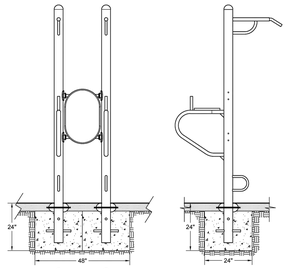
2x Extensions for In Ground



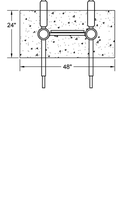
4x Pegs



CFH: 96"









During installation, please be sure to also refer to the general installation instructions.

In order to honor our commitment to quality and safety, Greenfields Outdoor Fitness reserves the right to make changes and revise the design specifications without notice.

Greenfields' units are designed to accommodate the majority of users age 14 and above; however, due to the nature of outdoor fitness equipment, units are "one size fits most".

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LU22x01x11

2 2-PERSON STATIC COMBO
NOT TO SCALE

Installation Instructions:
SGR048W
2-Person Accessible Lat Pull

U.S. Pat. No. 9,079,069 B1

Greenfields Outdoor Fitness

This item ships as one fully assembled unit.

Questions? Please call 888-315-9037 x105

Parts List:

Extension for In Ground



2x Stopper plates for under seats

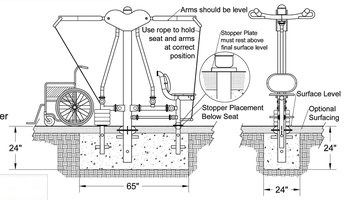
4x Pegs

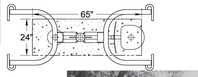


CFH: <24"

1x Fully Assembled Unit









During installation, please be sure to also refer to the general installation instructions.

In order to honor our commitment to quality and safety, Greenfields Outdoor Fitness reserves the right to make changes and revise the design specifications without notice.

Greenfields' units are designed to accommodate the majority of users age 14 and above; however, due to the nature of outdoor fitness equipment, units are "one size fits most".

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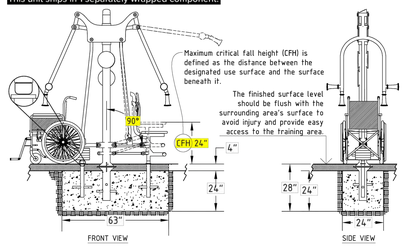
LU22x01x11

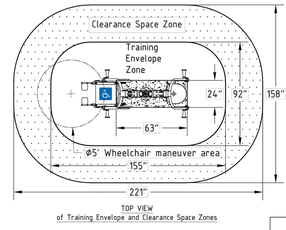
3 2-PERSON LAT PULL - ACCESSIBLE
NOT TO SCALE

Installation Instructions for In Ground Method:
SGR048AW 2-Person Accessible Chest Press

U.S. Pat. No. 9,079,069 B1

This unit ships in 1 separately wrapped component.





Training Envelope Zone must remain clear.
Mow strip or curb may intersect clearance space only if it is flush with clearance space surface level.

CFH: 24"

During installation, please be sure to also refer to the general installation instructions.

In order to honor our commitment to quality and safety, Greenfields Outdoor Fitness reserves the right to make changes and revise the design specifications without notice.

Greenfields' units are designed to accommodate the majority of users age 14 and above; however, due to the nature of outdoor fitness equipment, units are "one size fits most".

Page 1

Greenfields Outdoor Fitness

Greenfields 2-Person Accessible Chest Press
SGR048AW
T: (888) 315-9037 F:(866) 308-9719

© 2023 Greenfields Outdoor Fitness, Inc.

LU23x10x31

4 2-PERSON CHEST PRESS - ACCESSIBLE
NOT TO SCALE

Installation Instructions:
SGR042
2-Person Back & Arms Combo

Greenfields Outdoor Fitness

This item ships as one fully assembled unit.

Questions? Please call 888-315-9037 x105

Parts List:

Extension for In Ground



2x Stopper plates for under seats



4x pegs

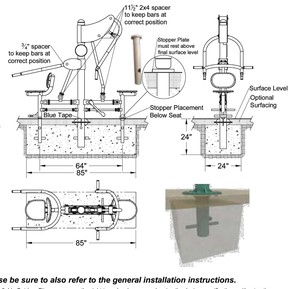


1x fully assembled unit



CFH: <24"





During installation, please be sure to also refer to the general installation instructions.

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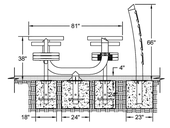
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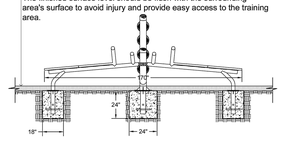
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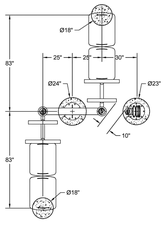
5 2-PERSON BACK & ARMS COMBO
NOT TO SCALE

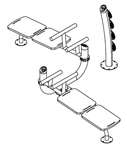
Installation Instructions for In Ground Method:
SGR019 2-Person Incline Sit-Up Benches

This unit ships in 8 separately wrapped components.











During installation, please be sure to also refer to the general installation instructions.

In order to honor our commitment to quality and safety, Greenfields Outdoor Fitness reserves the right to make changes and revise the design specifications without notice.

Greenfields' units are designed to accommodate the majority of users age 14 and above; however, due to the nature of outdoor fitness equipment, units are "one size fits most".

Greenfields Outdoor Fitness

2-Person Incline Sit-Up Benches 2025
SGR019
T: (888) 315-9037 F:(866) 308-9719

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LU25x03x27

6 2-PERSON INCLINE SIT-UP BENCHES
NOT TO SCALE

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DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
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LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration Renewal Date
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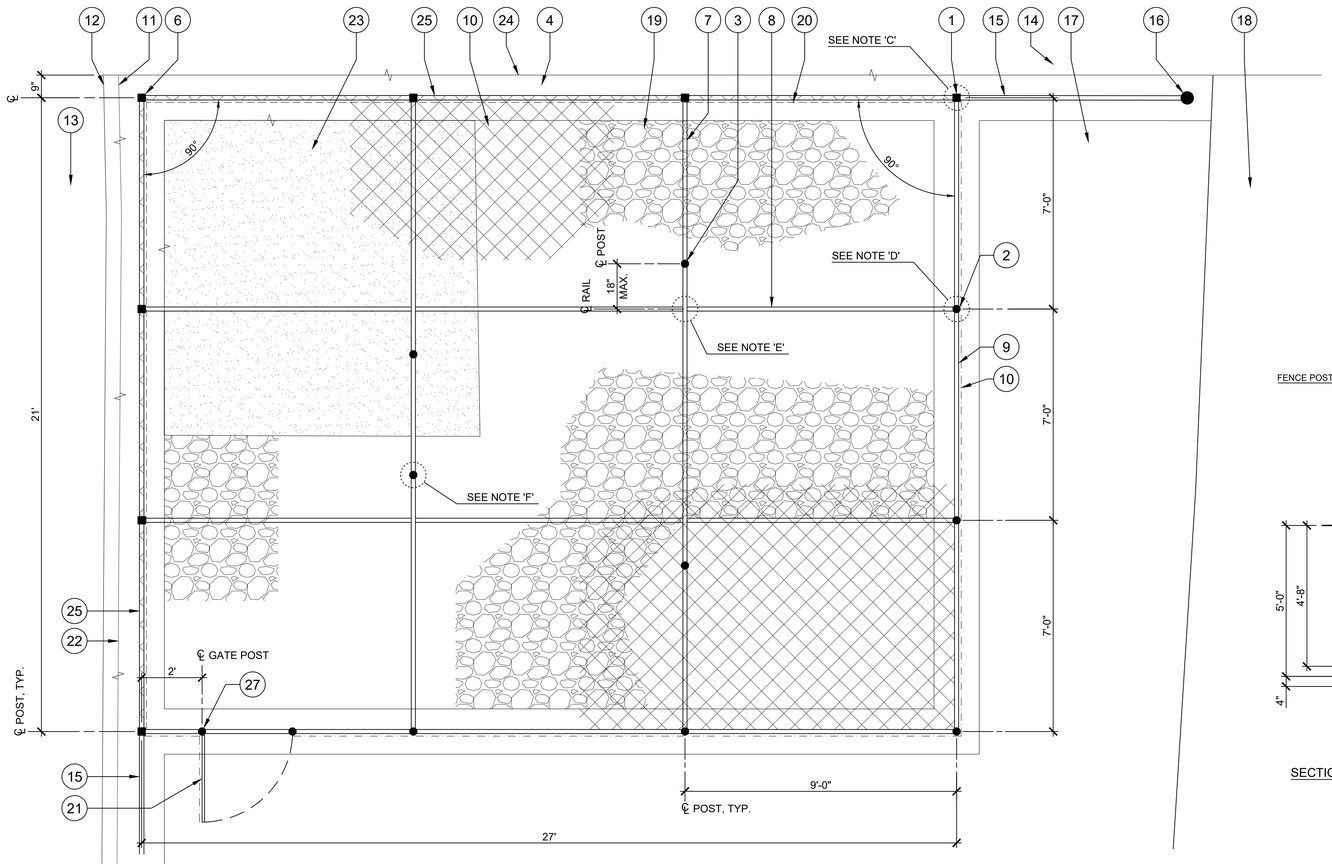
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FITNESS EQUIPMENT DETAILS

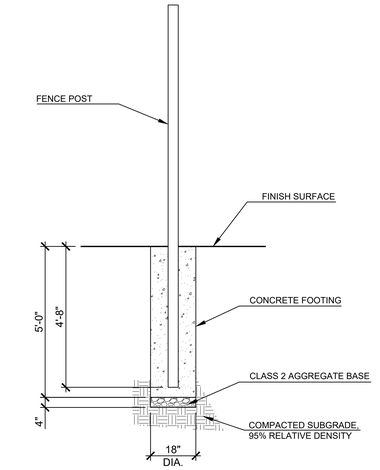
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
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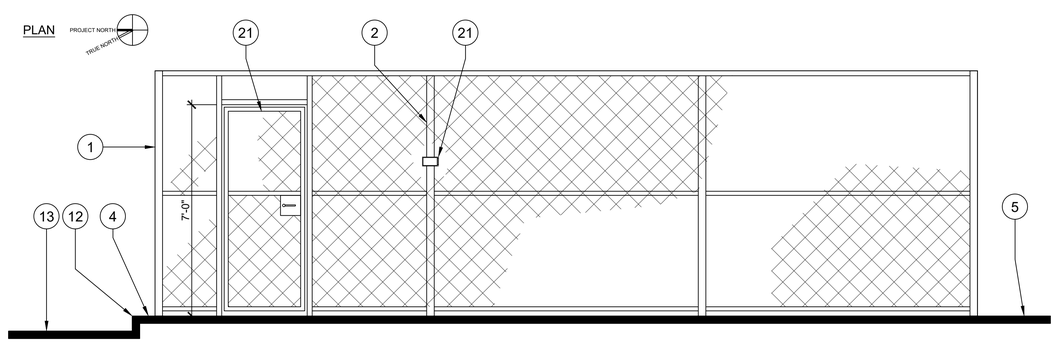
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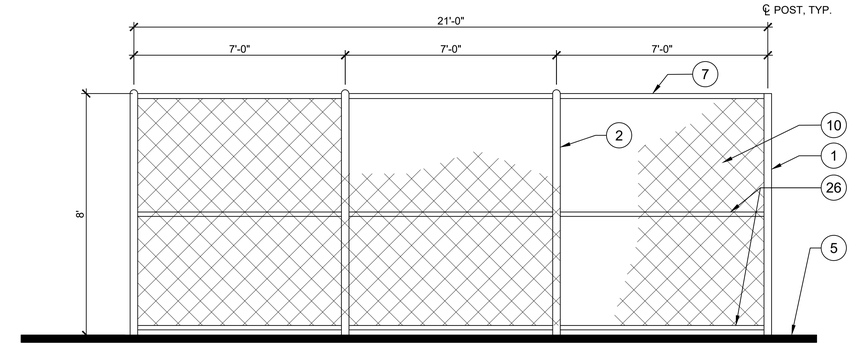
PLAN



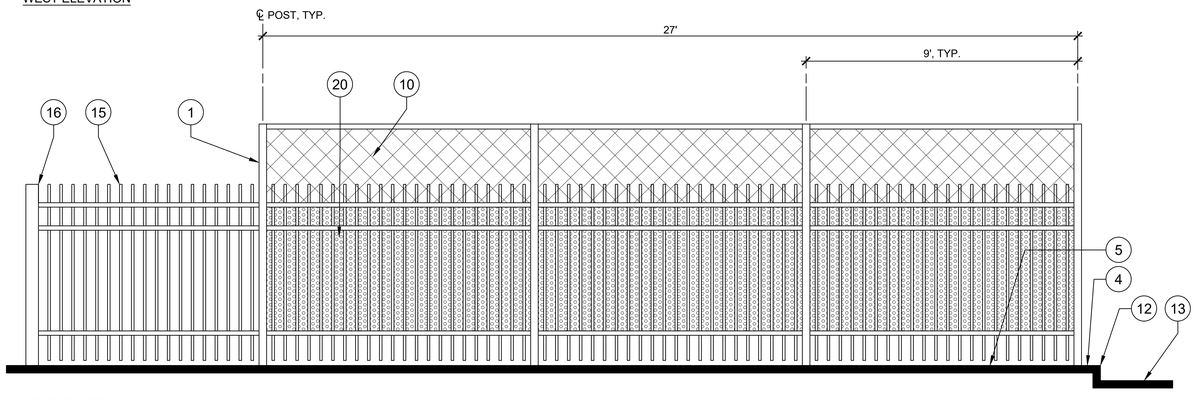
SECTION: FOOTING DESIGN AT ENCLOSURE



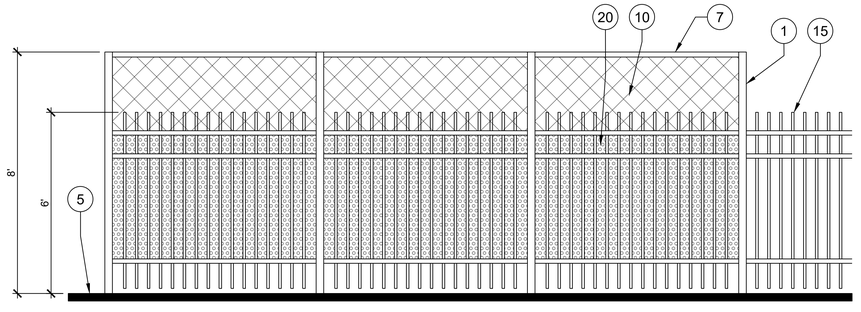
WEST ELEVATION



SOUTH ELEVATION



EAST ELEVATION



NORTH ELEVATION

LEGEND

1. METAL FENCE POST, 4" SQ., EXTEND TO 8 FEET HIGH.
2. CHAIN LINK FENCE POST, 8 FEET HIGH.
3. INTERIOR POST, 8 FEET HIGH, SEE NOTE 'A', TYPICAL OF 4.
4. CONCRETE BAND, 18" WIDE, AT ALL FENCE LINES. AT EAST FENCE LINE, BAND SHALL ABUT BACK OF EXISTING SIDEWALK. SEE NOTE 'B'.
5. FINISH SURFACE.
6. METAL FENCE POST AT NORTHEAST CORNER OF ENCLOSURE SHALL BE LOCATED 9" SOUTH OF THE EXISTING CURB AND 9" WEST OF THE BACK OF EXISTING SIDE WALK.
7. EAST/WEST ROOF RAIL, SINGLE LENGTH PIPE, TYPICAL OF 4.
8. NORTH/SOUTH ROOF RAIL, CUT WHERE INTERSECTING EAST/WEST RAILS, TYPICAL.
9. CHAIN LINK FENCE, 8 FEET HIGH.
10. CHAIN LINK FABRIC, TYPICAL.
11. BACK OF EXISTING CURB.
12. EXISTING CONCRETE CURB.
13. EXISTING ASPHALT PAVING OF PARKING LOT.
14. EXISTING CONCRETE SIDEWALK.
15. NEW METAL FENCE, 6 FEET HIGH, TYPICAL.
16. EXISTING METAL GATE POST, TO BE PRESERVED AND MODIFIED TO USE FOR THE NEW METAL GATE PER PLAN.
17. NEW ASPHALT PAVING PER PLAN.
18. EXISTING ASPHALT DRIVEWAY.
19. GRAVEL PAVING, SEE DETAIL 7, L6.05.
20. SCREEN PANEL, WELDED TO FENCE RAIL, SEE NOTE 'I'.
21. CHAIN LINK GATE, 3'-0" WIDE, SEE DETAIL 8, SHEET L6.03.
22. EXISTING CURB IS NOT PARALLEL WITH NORTH FENCE LINE. BETWEEN EXISTING CURB AND NEW CONCRETE BAND, INCREASE CONCRETE BAND WIDTH AS REQUIRED TO MAINTAIN CONTACT WITH CURB.
23. EXISTING CONCRETE SLAB, TO BE PRESERVED, U.O.N.
24. EXPANSION JOINT WHERE NEW CONCRETE BAND ABUTS EXISTING SIDEWALK.
25. ROOF RAIL OVER METAL FENCE.
26. CHAIN LINK FENCE RAIL, SEE DETAIL 7, SHEET L6.03.
27. GATE POST, SEE DETAIL 8, SHEET L6.03.
28. KNOX BOX, MOUNT TO FENCE POST, SEE NOTE J.

NOTES

A. ALL FENCE AND GATE PARTS SHALL BE GALVANIZED AND PAINTED BLACK.

B. INTERIOR POST SHALL BE LOCATED TO BE CENTERED UNDER THE EAST/WEST ROOF RAILS AS GENERALLY SHOWN AND AVOID ANY EXISTING EQUIPMENT OR UNDERGROUND UTILITIES, AND WITHIN APPROXIMATELY 18" OF THE INTERSECTING NORTH/SOUTH ROOF RAILS. NOTIFY THE CONSTRUCTION MANAGER IF THE ABOVE QUALIFICATIONS CANNOT BE MET.

C. CONCRETE BAND UNDER EAST FENCE SHALL ABUT THE EXISTING SIDEWALK. ALL OTHER FENCING SHALL BE PERPENDICULAR OR PARALLEL WITH THIS FENCE LINE AND ASSOCIATED CONCRETE BAND.

D. AT METAL FENCE POST, ROOF RAILS SHALL BE ATTACHED TO THE POST WITH A RAIL END CUP SECURED TO A SQUARE BRACE BAND ATTACHED TO THE POST.

E. AT CHAIN LINK FENCE POST LOCATED ALONG WEST AND SOUTH SIDES OF ENCLOSURE, ROOF RAILS SHALL BE ATTACHED TO THE POST WITH A RAIL END CUP SECURED TO A BRACE BAND ATTACHED TO THE POST.

F. AT INTERSECTING ROOF RAIL POSTS, ATTACH TOGETHER USING LINE RAIL CLAMP, TYPICAL OF 4.

G. AT THE INTERIOR POST, ATTACHED EAST/WEST RAIL AT TOP OF POST WITH EYE TOP LOOP CAP, TYPICAL OF 4.

H. INSTALL SLATS ON CHAIN LINK FABRIC AT ROOF, SOUTH FENCE AND WEST FENCE, SLAT COLOR: BLACK.

I. SCREEN PANEL SHALL BE BY McNICHOLS OR EQUAL, 18 GAUGE, 3/16" DIAMETER PERFORATIONS AT 1/4" O.C., STAGGERED PATTERN, GALVANIZED.

J. KNOX BOX SHALL BE BY COMMERCIAL KNOX BOX (WWW.KNOXBOX.COM), KNOX BOX 3200, MODEL #: 3261, COLOR: BLACK, SURFACE MOUNTED.

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tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration Renewal Date
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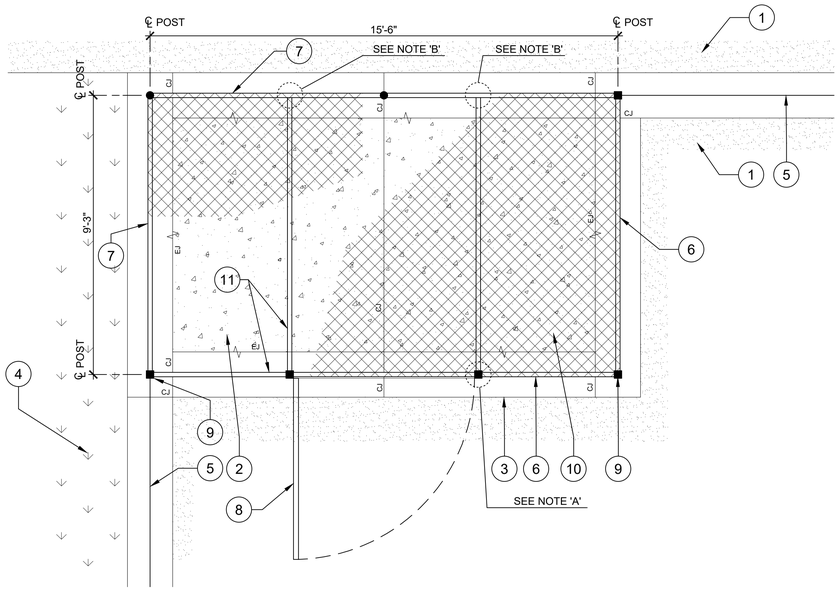
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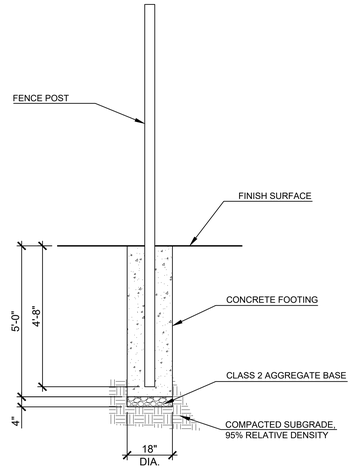
BACKFLOW ENCLOSURE DETAILS

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
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SECTION: FOOTING DESIGN AT ENCLOSURE

LEGEND

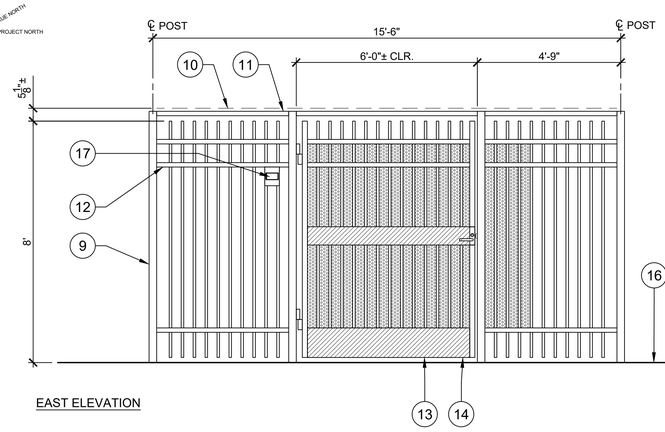
1. ASPHALT PAVING.
2. CONCRETE PAD, 6" MINIMUM THICK.
3. CONCRETE BAND, 18" WIDE.
4. TURF.
5. METAL FENCE, 6'-0" HIGH.
6. METAL FENCE, 8'-0" HIGH.
7. CHAIN LINK FENCE, 8'-0" HIGH, WITH VINYL SLATS.
8. METAL GATE AT ELECTRICAL EQUIPMENT ENCLOSURE, SEE DETAIL 7, SHEET L6.02.
9. CORNER POST, 4" SQ.
10. CHAIN LINK FABRIC WITH VINYL SLATS AT ROOF.
11. ROOF RAIL, GALVANIZED PIPE, 2" DIA., PAINTED BLACK.
12. RAIL, TYPICAL OF 4.
13. GATE UPRIGHT
14. PICKET.
15. ATTACHED CHAIN LINK FABRIC TO METAL FENCE POST.
16. FINISH SURFACE.
17. KNOX BOX.

NOTES

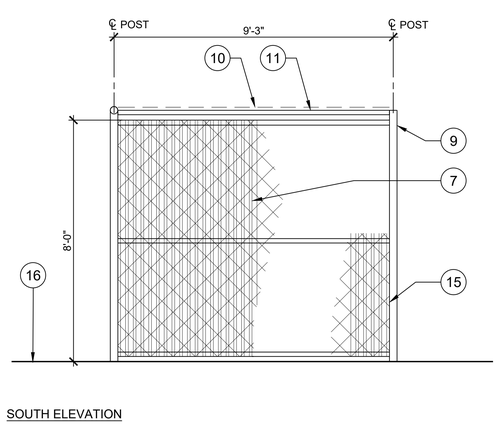
A. AT METAL FENCE POST, ROOF RAILS SHALL BE ATTACHED TO THE POST WITH A RAIL END CUP SECURED TO A SQUARE BRACE BAND ATTACHED TO THE POST.

B. AT INTERSECTING ROOF RAIL POSTS, ATTACH TOGETHER USING LINE RAIL CLAMP, TYPICAL OF 2.

PLAN



EAST ELEVATION



SOUTH ELEVATION

1 ELECTRICAL EQUIPMENT ENCLOSURE

NOT TO SCALE

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t: (415) 863-7800
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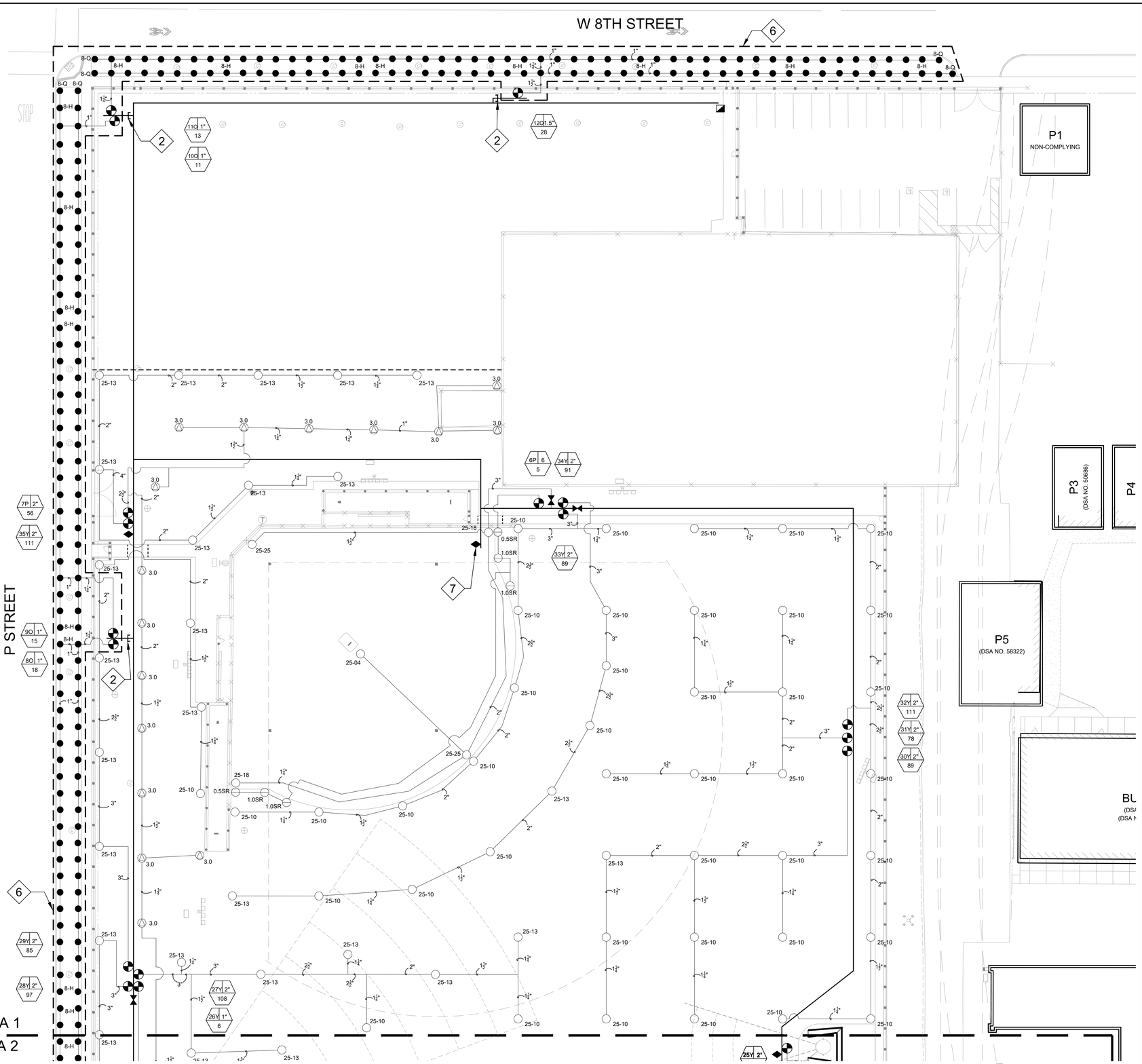
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ELECTRICAL EQUIPMENT ENCLOSURE

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
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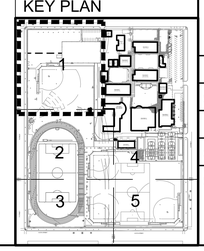
LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER/REMARKS
Ⓒ	EXISTING CONTROLLER	EXISTING ACC2 DECODER CONTROLLER TO REMAIN, BY HUNTER INDUSTRIES. INSTALL DECODER EXPANSION MODULE, MODEL: A2C-D75, TO EXISTING CONTROLLER.
☒	EXISTING BACKFLOW	
BP	BOOSTER PUMP	WATERTRONICS, MODEL: WMBV-7000-7A-20/3VMS-480-3-400-80. CONTACT: NUNZIO DICHRISTOPHER, PHONE: (916)-838-9459. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS. SEE DETAIL 1, SHEET L7.05.
	MASTER CONTROL VALVE & FLOW SENSOR	GTFSV-300P: SUPERIOR 3300 MASTER CONTROL VALVE, NORMALLY OPEN, 3" SIZE, BRASS, WITH CST FLOW SENSOR, 3" SADDLE STYLE, MODEL FSI-S30-001, AND FLOW SENSOR CABLE, ONE PAIR OF 16 GAUGE WIRES WITH A BARE ALUMINUM BLEEDER WIRE, SHIELDED CABLE IN A POLYETHYLENE JACKET, MODEL FS-CAB, AVAILABLE FROM SITE ONE. CONTACT JOHN OSSA, 415-378-8404. CONTRACTOR SHALL PROGRAM 'UNSCHEDULED FLOW' INTO CONTROLLER TO ALLOW FOR HAND WATERING. DIRECTLY WIRE FLOW SENSOR AND MASTER VALVE TO EXISTING IRRIGATION CONTROLLER. SEE DETAIL 2, SHEET L7.05
	REMOTE CONTROL VALVE	HUNTER INDUSTRIES, IN-LINE PLASTIC VALVE WITH FILTER SENTRY, MODEL: ICV-FS, SIZE NOTED ON PLANS. INSTALL WITH ICD DECODER, 1-STATION BY HUNTER AT EACH REMOTE CONTROL VALVE, MODEL: ICD-100, SEE VALVE CALLOUT BOX FOR WIRE PATH (Y, P, O). SEE DETAIL 3, SHEET L7.05.
	SHUT OFF VALVE	LEEMCO LMV-SB AND LMV-BB MAINLINE GATE VALVES. INSTALL LMV-SB OFF OF TEE CONNECTIONS, SEE DETAIL 7, SHEET L7.06. INSTALL LMV-BB AT STRAIGHT PIPE RUNS, SEE DETAIL 6, SHEET L7.06. INSTALL BELOW GRADE IN VALVE BOX. CONTRACTOR SHALL PROVIDE 2 VALVE KEYS FOR ENTIRE PROJECT.
	QUICK COUPLER VALVE	RAINBIRD, MODEL: 44LRC, 1" QUICK COUPLING VALVE, 2-PIECE BODY WITH LOCKING RUBBER COVER, SEE DETAIL 5, SHEET L7.05
25-13 — NOZZLE	ROTOR HEAD, TYPE A	HUNTER INDUSTRIES, MODEL I-25-SS, I-25 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
3.0 — NOZZLE	ROTOR HEAD, TYPE B	HUNTER INDUSTRIES, MODEL I-20-SS, I-20 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
1.0SR — NOZZLE	ROTOR HEAD, TYPE C	HUNTER INDUSTRIES, MODEL I-20SR-SS, SHORT RADIUS NOZZLE, I-20 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
8-H — NOZZLE	SPRAY HEAD	HUNTER INDUSTRIES, MODEL MP800SR, MP ROTATOR SHORT RADIUS, WITH 12" PRO SPRAY PRS40 POP-UP, SEE DETAIL 7, SHEET L7.05.
▲	BUBBLER	HUNTER INDUSTRIES, PRESSURE COMPENSATING BUBBLERS, PCB-50 MODEL, 0.5 GPM, INSTALL WITH 1/2" FLEX RISER, MODEL IH, WITH FILTER SCREEN CHECK VALVE AND FITTING. 1 PER PLANT, 2 PER TREE, SEE DETAIL 8, SHEET L7.05.
STUB-OUT	MAIN LINE	MAINLINE: PVC, SCH. 40, SIZE: 4", U.O.N., INSTALL WITH MECHANICAL JOINTS, BY LEEMCO, ON 2.5" OR LARGER MAIN LINES, SEE IRRIGATION GENERAL NOTES AND DETAIL 1, SHEET L7.06. INSTALL THRUST BLOCKS ON 2" AND SMALLER MAIN LINES, SEE DETAIL 2, SHEET L7.06.
1"	LATERAL LINE	PVC, SCH. 40, 3/4" MINIMUM SIZE AND AS NOTED ON PLANS. PVC, CLASS 315, 2.5" SIZE AND LARGER, SEE DETAIL 3, SHEET L7.06. INSTALL WITH MECHANICAL JOINTS, BY LEEMCO, ON 3" OR LARGER MAIN LINES, SEE IRRIGATION GENERAL NOTES AND DETAIL 1, SHEET L7.06.
	SLEEVE (NOT ALL SHOWN)	PVC, CLASS 315, 2 SIZES MINIMUM LARGER THAN ENCASED PIPE.
NOT SHOWN	SPLICE ASSEMBLY	PROVIDE 3M DBRY/6 WATERPROOF CONNECTIONS AT ALL SPLICES, WATERPROOF CONNECTORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTION IN VALVE BOX WITH OPEN END OF CONNECTOR FACING DOWN, SEE DETAIL 4, SHEET L7.06.
C C	CONDUIT (NOT SHOWN)	PVC, SCH. 40, GRAY COLOR, 1.5" SIZE TO PULL ALL WIRES OR CABLES THROUGH IT.
	PULL BOX	PROVIDE 5'-0" OF HUNTER ID 2-WIRE CABLE, 14 GA. IN WIRE JACKET (Y-YELLOW, P-PURPLE, O-ORANGE), SEE DETAIL 6, SHEET L7.05. WIRE JACKET COLOR TO MATCH WIRE JACKET COLOR OF NEAREST ID WIRE.
	EXISTING REMOTE CONTROL VALVE	
XX X XX	CONTROL VALVE STATION & 2-WIRE DECODER WIRE DESIGNATION CONTROL VALVE STATION SIZE GALLONS PER MINUTE THROUGH CONTROL VALVE	
X	KEY NOTE	

KEY NOTES

1. INSTALL IRRIGATION PIPES IN NEARBY PLANTING AREA, TYP.
2. STUB-OUT CONNECTION FOR ADD-ALTERNATE #3 IMPROVEMENTS.
3. CONNECT NEW IRRIGATION MAINLINE TO EXISTING REMOTE CONTROL VALVES. ASSUME THERE ARE SEVEN (7) EXISTING REMOTE CONTROL VALVES.
4. REPLACE EXISTING DECODER WITH NEW SPECIFIED DECODER AND CONNECT TO THE IRRIGATION CONTROLLER. THE NEW SPECIFIED DECODERS SHALL BE WIRED WITH THE ORANGE COLORED DECODER WIRE. ASSUME THERE ARE SEVEN (7) EXISTING REMOTE CONTROL VALVES.
5. IRRIGATION EQUIPMENT INSTALLATION DIAGRAM, SEE DETAIL 8, SHEET L7.06.
6. FOR ADD-ALTERNATE #3 ONLY.
7. QUICK COUPLER VALVE LOCATION, VERIFY IN FIELD.
8. INSTALL ALL IRRIGATION EQUIPMENT IN ENCLOSURE.

KEY PLAN



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suite 204
san francisco,
CA 94121
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LICENSED LANDSCAPE ARCHITECT
BRYAN TANAKA
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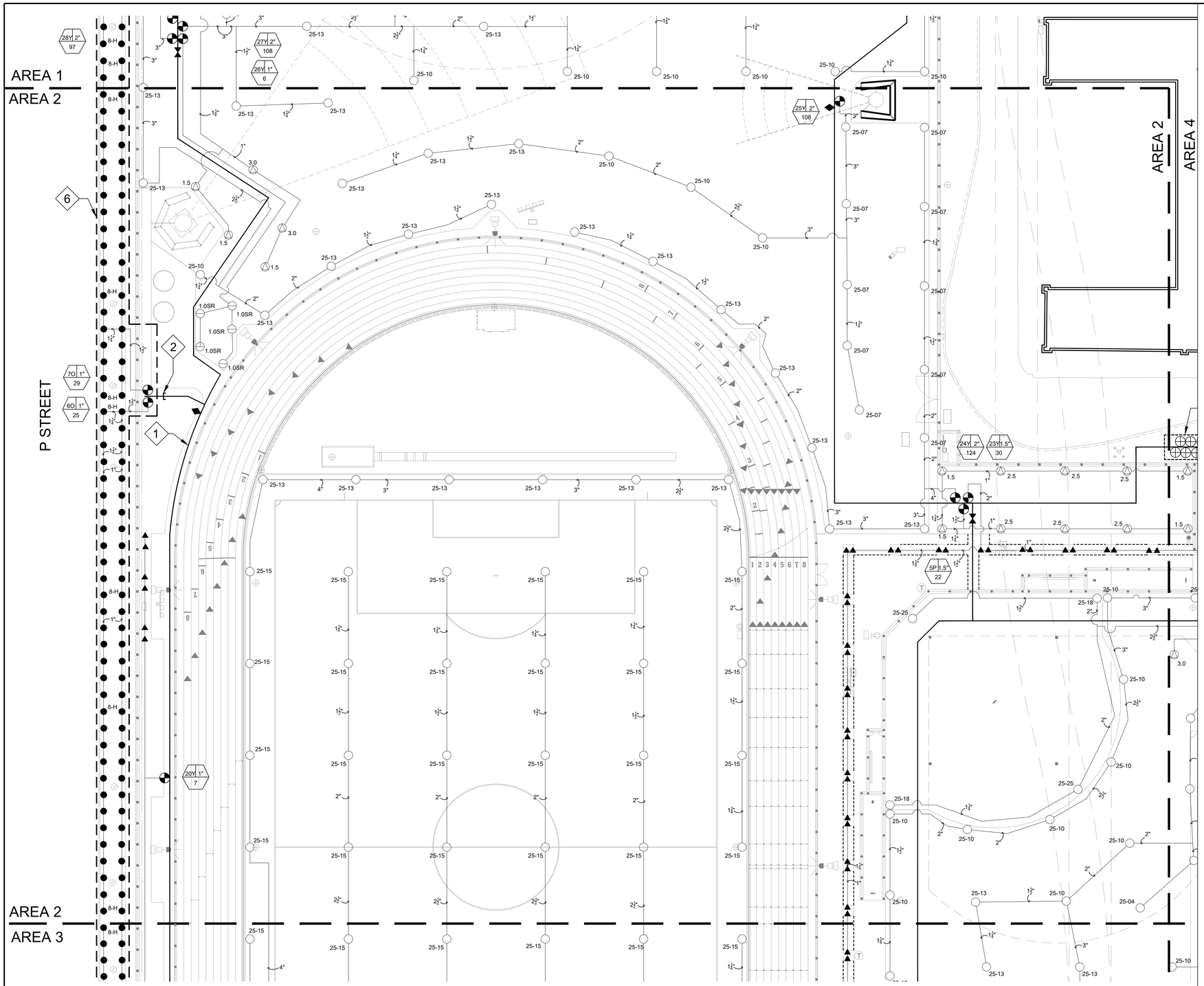
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IRRIGATION PLAN:
AREA 1

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

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SHEET NO.
L7.00



TRUE NORTH PROJECT NORTH

0 10' 20' 40'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

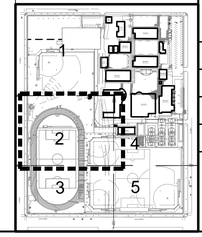
LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER/REMARKS
Ⓒ	EXISTING CONTROLLER	EXISTING ACC2 DECODER CONTROLLER TO REMAIN. BY HUNTER INDUSTRIES. INSTALL DECODER EXPANSION MODULE, MODEL: A2C-D75, TO EXISTING CONTROLLER.
☒	EXISTING BACKFLOW	
BP	BOOSTER PUMP	WATERTRONICS, MODEL: WMBV-7000-7A-20/3VMS-480-3-400-80. CONTACT: NUNZIO DICHRISTOPHER, PHONE: (916)-838-9459. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS. SEE DETAIL 1, SHEET L7.05.
	MASTER CONTROL VALVE & FLOW SENSOR	GTFSV-300P: SUPERIOR 3300 MASTER CONTROL VALVE, NORMALLY OPEN, 3" SIZE, BRASS, WITH CST FLOW SENSOR, 3" SADDLE STYLE, MODEL FSI-S30-001, AND FLOW SENSOR CABLE, ONE PAIR OF 16 GAUGE WIRES WITH A BARE ALUMINUM BLEEDER WIRE, SHIELDED CABLE IN A POLYETHYLENE JACKET, MODEL FS-CAB, AVAILABLE FROM SITE ONE, CONTACT JOHN OSSA, 415-378-8404. CONTRACTOR SHALL PROGRAM 'UNSCHEDULED FLOW' INTO CONTROLLER TO ALLOW FOR HAND WATERING. DIRECTLY WIRE FLOW SENSOR AND MASTER VALVE TO EXISTING IRRIGATION CONTROLLER. SEE DETAIL 2, SHEET L7.05
	REMOTE CONTROL VALVE	HUNTER INDUSTRIES, IN-LINE PLASTIC VALVE WITH FILTER SENTRY, MODEL: ICV-FS, SIZE NOTED ON PLANS, INSTALL WITH ICD DECODER, 1-STATION BY HUNTER AT EACH REMOTE CONTROL VALVE, MODEL: ICD-100, SEE VALVE CALLOUT BOX FOR WIRE PATH (Y, P, O). SEE DETAIL 3, SHEET L7.05.
	SHUT OFF VALVE	LEEMCO LMV-SB AND LMV-BB MAINLINE GATE VALVES. INSTALL LMV-SB OFF OF TEE CONNECTIONS, SEE DETAIL 7, SHEET L7.06. INSTALL LMV-BB AT STRAIGHT PIPE RUNS, SEE DETAIL 6, SHEET L7.06. INSTALL BELOW GRADE IN VALVE BOX. CONTRACTOR SHALL PROVIDE 2 VALVE KEYS FOR ENTIRE PROJECT.
	QUICK COUPLER VALVE	RAINBIRD, MODEL: 44LRC, 1" QUICK COUPLING VALVE, 2-PIECE BODY WITH LOCKING RUBBER COVER, SEE DETAIL 5, SHEET L7.05
25-13 — NOZZLE	ROTOR HEAD, TYPE A	HUNTER INDUSTRIES, MODEL I-25-SS, I-25 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
3.0 — NOZZLE	ROTOR HEAD, TYPE B	HUNTER INDUSTRIES, MODEL I-20-SS, I-20 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
1.0SR — NOZZLE	ROTOR HEAD, TYPE C	HUNTER INDUSTRIES, MODEL I-20SR-SS, SHORT RADIUS NOZZLE, I-20 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
8-H — NOZZLE	SPRAY HEAD	HUNTER INDUSTRIES, MODEL MP800SR, MP ROTATOR SHORT RADIUS, WITH 12" PRO SPRAY PRS40 POP-UP, SEE DETAIL 7, SHEET L7.05.
	BUBBLER	HUNTER INDUSTRIES, PRESSURE COMPENSATING BUBBLERS, PCB-50 MODEL, 0.5 GPM, INSTALL WITH 1/2" FLEX RISER, MODEL IH, WITH FILTER SCREEN CHECK VALVE AND FITTING. 1 PER PLANT, 2 PER TREE, SEE DETAIL 8, SHEET L7.05.
	MAIN LINE STUB-OUT	MAINLINE: PVC, SCH. 40, SIZE: 4", U.O.N., INSTALL WITH MECHANICAL JOINTS, BY LEEMCO, ON 2.5" OR LARGER MAIN LINES, SEE IRRIGATION GENERAL NOTES AND DETAIL 1, SHEET L7.06. INSTALL THRUST BLOCKS ON 2" AND SMALLER MAIN LINES, SEE DETAIL 2, SHEET L7.06.
1"	LATERAL LINE	PVC, SCH. 40, 3/4" MINIMUM SIZE AND AS NOTED ON PLANS. PVC, CLASS 315, 2.5" SIZE AND LARGER, SEE DETAIL 3, SHEET L7.06. INSTALL WITH MECHANICAL JOINTS, BY LEEMCO, ON 3" OR LARGER MAIN LINES, SEE IRRIGATION GENERAL NOTES AND DETAIL 1, SHEET L7.06.
	SLEEVE (NOT ALL SHOWN)	PVC, CLASS 315, 2 SIZES MINIMUM LARGER THAN ENCASED PIPE.
NOT SHOWN	SPLICE ASSEMBLY	PROVIDE 3M DBRY/6 WATERPROOF CONNECTIONS AT ALL SPLICES, WATERPROOF CONNECTORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTION IN VALVE BOX WITH OPEN END OF CONNECTOR FACING DOWN, SEE DETAIL 4, SHEET L7.06.
C — C	CONDUIT (NOT SHOWN)	PVC, SCH. 40, GRAY COLOR, 1.5" SIZE TO PULL ALL WIRES OR CABLES THROUGH IT.
	PULL BOX	PROVIDE 5'-0" OF HUNTER ID 2-WIRE CABLE, 14 GA. IN WIRE JACKET (Y-YELLOW, P-PURPLE, O-ORANGE), SEE DETAIL 6, SHEET L7.05. WIRE JACKET COLOR TO MATCH WIRE JACKET COLOR OF NEAREST ID WIRE.
	EXISTING REMOTE CONTROL VALVE	
XX X XX	CONTROL VALVE STATION & 2-WIRE DECODER WIRE DESIGNATION CONTROL VALVE STATION SIZE GALLONS PER MINUTE THROUGH CONTROL VALVE	
X	KEY NOTE	

KEY NOTES

1. INSTALL IRRIGATION PIPES IN NEARBY PLANTING AREA, TYP.
2. STUB-OUT CONNECTION FOR ADD-ALTERNATE #3 IMPROVEMENTS.
3. CONNECT NEW IRRIGATION MAINLINE TO EXISTING REMOTE CONTROL VALVES. ASSUME THERE ARE SEVEN (7) EXISTING REMOTE CONTROL VALVES.
4. REPLACE EXISTING DECODER WITH NEW SPECIFIED DECODER AND CONNECT TO THE IRRIGATION CONTROLLER. THE NEW SPECIFIED DECODERS SHALL BE WIRED WITH THE ORANGE COLORED DECODER WIRE. ASSUME THERE ARE SEVEN (7) EXISTING REMOTE CONTROL VALVES.
5. IRRIGATION EQUIPMENT INSTALLATION DIAGRAM, SEE DETAIL 8, SHEET L7.06.
6. FOR ADD-ALTERNATE #3 ONLY.
7. QUICK COUPLER VALVE LOCATION, VERIFY IN FIELD.
8. INSTALL ALL IRRIGATION EQUIPMENT IN ENCLOSURE.

KEY PLAN



REVISIONS

3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

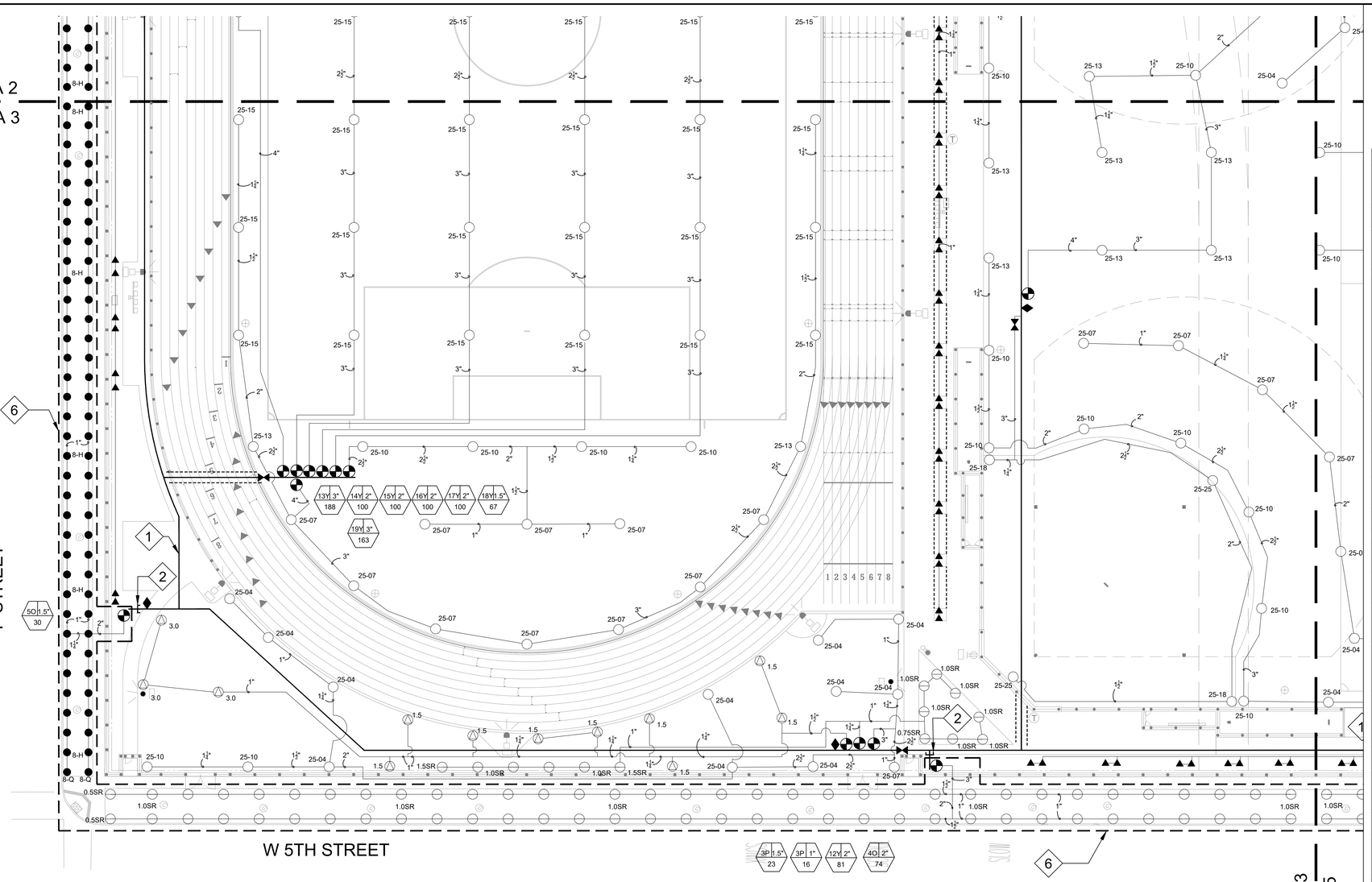
CONSULTANT

100% CONSTRUCTION DOCUMENTS

IRRIGATION PLAN:
AREA 2

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L7.01



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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SS ☑ FLS ☑ ACS ☑
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LEGEND

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BP	BOOSTER PUMP	WATERTRONICS, MODEL: WMBV-7000-7A-20/3VMS-480-3-400-80. CONTACT: NUNZIO DICHRISTOPHER, PHONE: (916)-838-9459. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS. SEE DETAIL 1, SHEET L7.05.
	MASTER CONTROL VALVE & FLOW SENSOR	GTFSV-300P: SUPERIOR 3300 MASTER CONTROL VALVE, NORMALLY OPEN, 3" SIZE, BRASS, WITH CST FLOW SENSOR, 3" SADDLE STYLE, MODEL FSI-530-001, AND FLOW SENSOR CABLE, ONE PAIR OF 16 GAUGE WIRES WITH A BARE ALUMINUM BLEEDER WIRE, SHIELDED CABLE IN A POLYETHYLENE JACKET, MODEL FS-CAB, AVAILABLE FROM SITE ONE, CONTACT JOHN OSSA, 415-378-8404. CONTRACTOR SHALL PROGRAM 'UNSCHEDULED FLOW' INTO CONTROLLER TO ALLOW FOR HAND WATERING. DIRECTLY WIRE FLOW SENSOR AND MASTER VALVE TO EXISTING IRRIGATION CONTROLLER. SEE DETAIL 2, SHEET L7.05
	REMOTE CONTROL VALVE	HUNTER INDUSTRIES, IN-LINE PLASTIC VALVE WITH FILTER SENTRY, MODEL: ICV-FS, SIZE NOTED ON PLANS. INSTALL WITH ICD DECODER, 1-STATION BY HUNTER AT EACH REMOTE CONTROL VALVE, MODEL: ICD-100, SEE VALVE CALLOUT BOX FOR WIRE PATH (Y, P, O). SEE DETAIL 3, SHEET L7.05.
	SHUT OFF VALVE	LEEMCO LMV-SB AND LMV-BB MAINLINE GATE VALVES. INSTALL LMV-SB OFF OF TEE CONNECTIONS, SEE DETAIL 7, SHEET L7.06. INSTALL LMV-BB AT STRAIGHT PIPE RUNS, SEE DETAIL 6, SHEET L7.06. INSTALL BELOW GRADE IN VALVE BOX. CONTRACTOR SHALL PROVIDE 2 VALVE KEYS FOR ENTIRE PROJECT.
	QUICK COUPLER VALVE	RAINBIRD, MODEL: 44LRC, 1" QUICK COUPLING VALVE, 2-PIECE BODY WITH LOCKING RUBBER COVER, SEE DETAIL 5, SHEET L7.05
25-13 NOZZLE	ROTOR HEAD, TYPE A	HUNTER INDUSTRIES, MODEL I-25-SS, I-25 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
3.0 NOZZLE	ROTOR HEAD, TYPE B	HUNTER INDUSTRIES, MODEL I-20-SS, I-20 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
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8-H NOZZLE	SPRAY HEAD	HUNTER INDUSTRIES, MODEL MP800SR, MP ROTATOR SHORT RADIUS, WITH 12" PRO SPRAY PRS40 POP-UP, SEE DETAIL 7, SHEET L7.05.
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STUB-OUT	MAIN LINE	MAINLINE: PVC, SCH. 40, SIZE: 4", U.O.N., INSTALL WITH MECHANICAL JOINTS, BY LEEMCO, ON 2.5" OR LARGER MAIN LINES, SEE IRRIGATION GENERAL NOTES AND DETAIL 1, SHEET L7.06. INSTALL THRUST BLOCKS ON 2" AND SMALLER MAIN LINES, SEE DETAIL 2, SHEET L7.06.
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	SLEEVE (NOT ALL SHOWN)	PVC, CLASS 315, 2 SIZES MINIMUM LARGER THAN ENCASED PIPE.
NOT SHOWN	SPLICE ASSEMBLY	PROVIDE 3M DBRY/6 WATERPROOF CONNECTIONS AT ALL SPLICES, WATERPROOF CONNECTORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTION IN VALVE BOX WITH OPEN END OF CONNECTOR FACING DOWN, SEE DETAIL 4, SHEET L7.06.
C C	CONDUIT (NOT SHOWN)	PVC, SCH. 40, GRAY COLOR, 1.5" SIZE TO PULL ALL WIRES OR CABLES THROUGH IT.
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X	KEY NOTE	

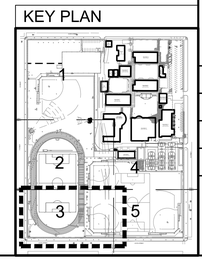
KEY NOTES

1. INSTALL IRRIGATION PIPES IN NEARBY PLANTING AREA, TYP.
2. STUB-OUT CONNECTION FOR ADD-ALTERNATE #3 IMPROVEMENTS.
3. CONNECT NEW IRRIGATION MAINLINE TO EXISTING REMOTE CONTROL VALVES. ASSUME THERE ARE SEVEN (7) EXISTING REMOTE CONTROL VALVES.
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6. FOR ADD-ALTERNATE #3 ONLY.
7. QUICK COUPLER VALVE LOCATION, VERIFY IN FIELD.
8. INSTALL ALL IRRIGATION EQUIPMENT IN ENCLOSURE.

TRUE NORTH
PROJECT NORTH

0 10' 20' 40'

KEY PLAN



REVISIONS

3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
BRYAN TANAKA
No. 3139
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

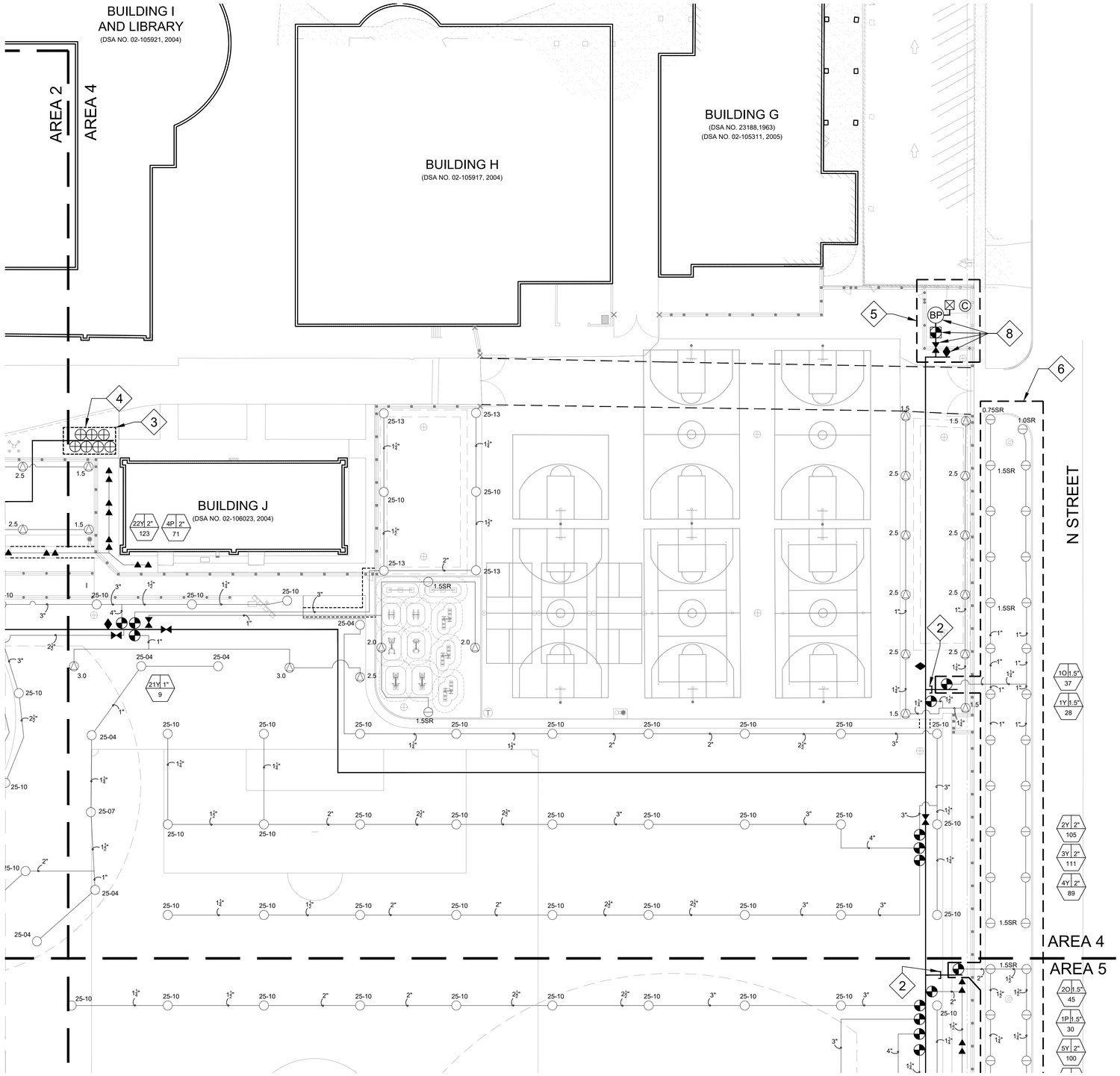
CONSULTANT

IRRIGATION PLAN:
AREA 3

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L7.02



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
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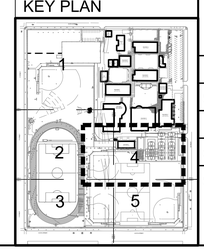
LEGEND

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	EXISTING REMOTE CONTROL VALVE	
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X	KEY NOTE	

KEY NOTES

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KEY PLAN



REVISIONS

3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
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LICENSED LANDSCAPE ARCHITECT
REGISTERED
3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

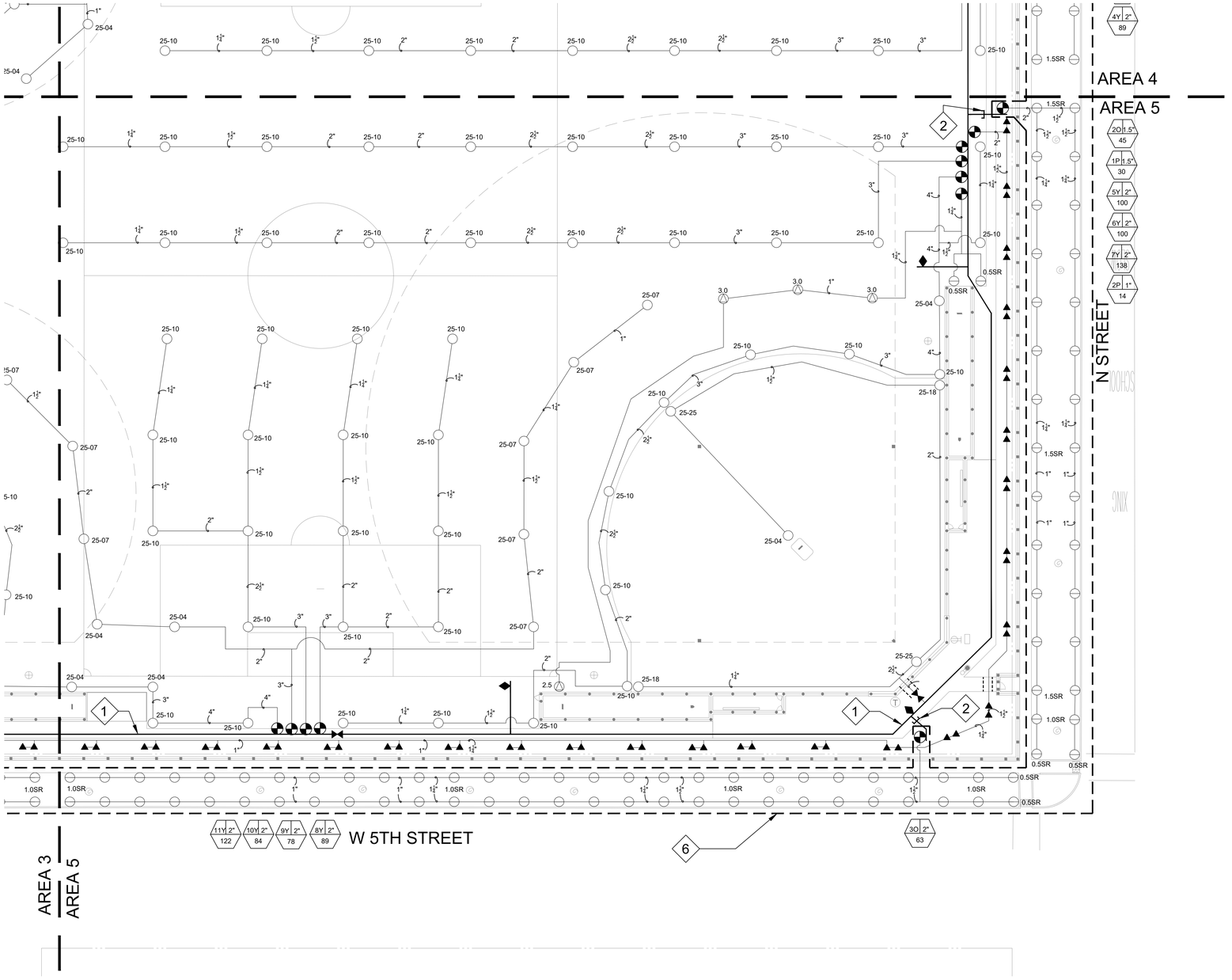
CONSULTANT

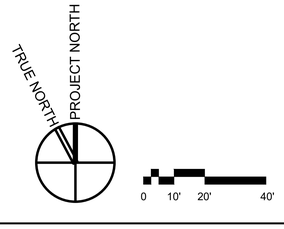
100% CONSTRUCTION DOCUMENTS

IRRIGATION PLAN:
AREA 4

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L7.03





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APP: 02-123490 INC:
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SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

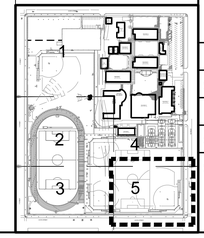
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☒	EXISTING BACKFLOW	
BP	BOOSTER PUMP	WATERTRONICS, MODEL: WMBV-7000-7A-20/3VMS-480-3-400-80. CONTACT: NUNZIO DICHRISTOPHER, PHONE: (916)-838-9459. SEE ELECTRICAL DRAWINGS FOR ELECTRICAL REQUIREMENTS. SEE DETAIL 1, SHEET L7.05.
	MASTER CONTROL VALVE & FLOW SENSOR	GTFSV-300P: SUPERIOR 3300 MASTER CONTROL VALVE, NORMALLY OPEN, 3" SIZE, BRASS, WITH CST FLOW SENSOR, 3" SADDLE STYLE, MODEL FSI-S30-001, AND FLOW SENSOR CABLE, ONE PAIR OF 16 GAUGE WIRES WITH A BARE ALUMINUM BLEEDER WIRE, SHIELDED CABLE IN A POLYETHYLENE JACKET, MODEL FS-CAB, AVAILABLE FROM SITE ONE, CONTACT JOHN OSSA, 415-378-8404. CONTRACTOR SHALL PROGRAM 'UNSCHEDULED FLOW' INTO CONTROLLER TO ALLOW FOR HAND WATERING. DIRECTLY WIRE FLOW SENSOR AND MASTER VALVE TO EXISTING IRRIGATION CONTROLLER. SEE DETAIL 2, SHEET L7.05
	REMOTE CONTROL VALVE	HUNTER INDUSTRIES, IN-LINE PLASTIC VALVE WITH FILTER SENTRY, MODEL: ICV-FS, SIZE NOTED ON PLANS, INSTALL WITH ICD DECODER, 1-STATION BY HUNTER AT EACH REMOTE CONTROL VALVE, MODEL: ICD-100, SEE VALVE CALLOUT BOX FOR WIRE PATH (Y, P, O). SEE DETAIL 3, SHEET L7.05.
	SHUT OFF VALVE	LEEMCO LMV-SB AND LMV-BB MAINLINE GATE VALVES. INSTALL LMV-SB OFF OF TEE CONNECTIONS, SEE DETAIL 7, SHEET L7.06. INSTALL LMV-BB AT STRAIGHT PIPE RUNS, SEE DETAIL 6, SHEET L7.06. INSTALL BELOW GRADE IN VALVE BOX. CONTRACTOR SHALL PROVIDE 2 VALVE KEYS FOR ENTIRE PROJECT.
	QUICK COUPLER VALVE	RAINBIRD, MODEL: 44LRC, 1" QUICK COUPLING VALVE, 2-PIECE BODY WITH LOCKING RUBBER COVER, SEE DETAIL 5, SHEET L7.05
25-13 — NOZZLE	ROTOR HEAD, TYPE A	HUNTER INDUSTRIES, MODEL I-25-SS, I-25 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
3.0 — NOZZLE	ROTOR HEAD, TYPE B	HUNTER INDUSTRIES, MODEL I-20-SS, I-20 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
1.0SR — NOZZLE	ROTOR HEAD, TYPE C	HUNTER INDUSTRIES, MODEL I-20SR-SS, SHORT RADIUS NOZZLE, I-20 ROTOR WITH 6" STAINLESS STEEL POP-UP, SEE DETAIL 7, SHEET L7.05.
8-H — NOZZLE	SPRAY HEAD	HUNTER INDUSTRIES, MODEL MP800SR, MP ROTATOR SHORT RADIUS, WITH 12" PRO SPRAY PRS40 POP-UP, SEE DETAIL 7, SHEET L7.05.
▲	BUBBLER	HUNTER INDUSTRIES, PRESSURE COMPENSATING BUBBLERS, PCB-50 MODEL, 0.5 GPM, INSTALL WITH 1/2" FLEX RISER, MODEL IH, WITH FILTER SCREEN CHECK VALVE AND FITTING. 1 PER PLANT, 2 PER TREE, SEE DETAIL 8, SHEET L7.05.
	MAIN LINE STUB-OUT	MAINLINE: PVC, SCH. 40, SIZE: 4", U.O.N., INSTALL WITH MECHANICAL JOINTS, BY LEEMCO, ON 2.5" OR LARGER MAIN LINES, SEE IRRIGATION GENERAL NOTES AND DETAIL 1, SHEET L7.06. INSTALL THRUST BLOCKS ON 2" AND SMALLER MAIN LINES, SEE DETAIL 2, SHEET L7.06.
1"	LATERAL LINE	PVC, SCH. 40, 3/4" MINIMUM SIZE AND AS NOTED ON PLANS. PVC, CLASS 315, 2.5" SIZE AND LARGER, SEE DETAIL 3, SHEET L7.06. INSTALL WITH MECHANICAL JOINTS, BY LEEMCO, ON 3" OR LARGER MAIN LINES, SEE IRRIGATION GENERAL NOTES AND DETAIL 1, SHEET L7.06.
	SLEEVE (NOT ALL SHOWN)	PVC, CLASS 315, 2 SIZES MINIMUM LARGER THAN ENCASED PIPE.
NOT SHOWN	SPLICE ASSEMBLY	PROVIDE 3M DBRY/6 WATERPROOF CONNECTIONS AT ALL SPLICES. WATERPROOF CONNECTORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTION IN VALVE BOX WITH OPEN END OF CONNECTOR FACING DOWN, SEE DETAIL 4, SHEET L7.06.
C C	CONDUIT (NOT SHOWN)	PVC, SCH. 40, GRAY COLOR, 1.5" SIZE TO PULL ALL WIRES OR CABLES THROUGH IT.
	PULL BOX	PROVIDE 5'-0" OF HUNTER ID 2-WIRE CABLE, 14 GA. IN WIRE JACKET (Y-YELLOW, P-PURPLE, O-ORANGE), SEE DETAIL 6, SHEET L7.05. WIRE JACKET COLOR TO MATCH WIRE JACKET COLOR OF NEAREST ID WIRE.
⊕	EXISTING REMOTE CONTROL VALVE	
XX X XX	CONTROL VALVE STATION & 2-WIRE DECODER WIRE DESIGNATION CONTROL VALVE STATION SIZE GALLONS PER MINUTE THROUGH CONTROL VALVE	
X	KEY NOTE	

KEY NOTES

1. INSTALL IRRIGATION PIPES IN NEARBY PLANTING AREA, TYP.
2. STUB-OUT CONNECTION FOR ADD-ALTERNATE #3 IMPROVEMENTS.
3. CONNECT NEW IRRIGATION MAINLINE TO EXISTING REMOTE CONTROL VALVES. ASSUME THERE ARE SEVEN (7) EXISTING REMOTE CONTROL VALVES.
4. REPLACE EXISTING DECODER WITH NEW SPECIFIED DECODER AND CONNECT TO THE IRRIGATION CONTROLLER. THE NEW SPECIFIED DECODERS SHALL BE WIRED WITH THE ORANGE COLORED DECODER WIRE. ASSUME THERE ARE SEVEN (7) EXISTING REMOTE CONTROL VALVES.
5. IRRIGATION EQUIPMENT INSTALLATION DIAGRAM, SEE DETAIL 8, SHEET L7.06.
6. FOR ADD-ALTERNATE #3 ONLY.
7. QUICK COUPLER VALVE LOCATION, VERIFY IN FIELD.
8. INSTALL ALL IRRIGATION EQUIPMENT IN ENCLOSURE.

KEY PLAN



REVISIONS

3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

100% CONSTRUCTION DOCUMENTS

IRRIGATION PLAN:
AREA 5

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L7.04

PUMP STATION SPECIFICATIONS:
NAME: TENAYA MIDDLE SCHOOL
STATION MODEL: WMBV-7000-7A-20/3VMS-480-3-400-80
STATION TOTAL PERFORMANCE: 400 GPM @ 80 PSI
DYNAMIC INLET PRESSURE: 35 PSI
BOOST PRESSURE: 45 PSI
REGULATED DISCHARGE PRESSURE: 80 PSI
PUMP HORSEPOWER:
SUSTAIN PUMP: 3HP (3600RPM)
PUMP NO.1: 20HP (3600RPM)
CHECK VALVE SIZES:
SUSTAIN PUMP: 2"
PUMP NO.1 4"
ISOLATION VALVE SIZES:
SUSTAIN PUMP: 2"
PUMP NO.1: 4"
DISCHARGE ISOLATION VALVE SIZE: 4"
DISCHARGE MANIFOLD SIZE: 4"

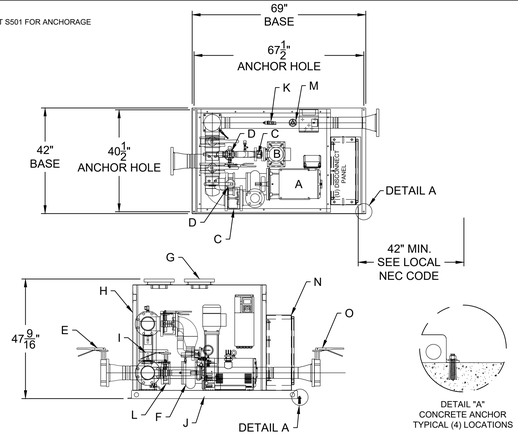
POWER REQUIREMENTS: 480V, 60 HZ, 3PHZ, 30FLA (EST.)
EXHAUST FAN REQUIREMENTS: STD FAN

STATION COMPONENTS:
A MAIN PUMP AND MOTOR
B VERTICAL MULTI-STAGE SUSTAIN PUMP
C CHECK VALVE
D PUMP ISO VALVE
E 6" FLG INTAKE ISOLATION VALVE
F TEMP SENSOR
G STATION FAN HOOD MOUNTED
H MARINE GRADE ALUMINUM ENCLOSURE (UNPAINTED)
I INLET PRESSURE GAUGE
J STAINLESS STEEL BASE (UNPAINTED)
K PRESSURE TRANSDUCER AND GAUGE
L PUMP INLET ISO VALVE
M FLOW SENSOR
N DEAD-FRONT DISCONNECT PANEL
O 6" FLG DISCHARGE ISOLATION VALVE

ESTIMATED STATION OPERATING WEIGHT: 2700LBS

CONCRETE ANCHOR MODEL: STRONG BOLT 2, HOT DIPPED GALVANIZED, 1/2 DIA. X 2-3/4, BY WATERTRONICS

NOTES:
SEE DETAIL 11, SHEET S501 FOR ANCHORAGE DETAIL.



NO.	DATE	BY	DESCRIPTION
7			
6			
5			
4			
3			
2			
1			

☐ APPROVED AS SUBMITTED
☐ APPROVED AS NOTED
☐ REVISE AND RESUBMIT
SIGNATURE: _____
NAME: _____
DATE: _____

DRAWN BY: PJB DATE: 04/22/2025
CHECKED BY: . DATE:

THIS DRAWING AND DESIGN, IS THE PROPERTY OF WATERTRONICS AND IS NOT TO BE REPRODUCED IN WHOLE OR PART, NOR EMPLOYED FOR ANY PURPOSE OTHER THAN SPECIFICALLY PERMITTED IN WRITING BY WATERTRONICS. THIS DRAWING LOANED AND SUBJECT TO RETURN ON DEMAND

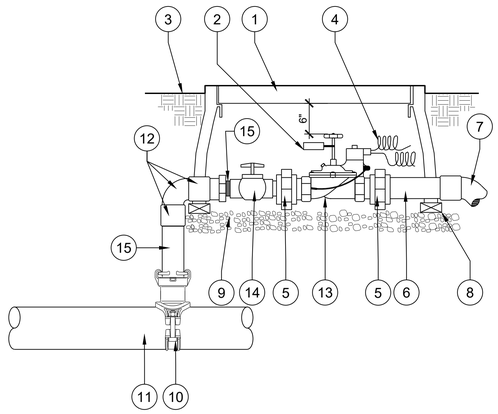
TITLE: TENAYA MIDDLE SCHOOL
IRRIGATION PUMP STATION

WATERTRONICS

SCALE: NTS SHEET 1 OF 1 SHEETS
JOB NO.: . DRAWING NO. PRST15618

1 BOOSTER PUMP

NOT TO SCALE



SECTION

LEGEND

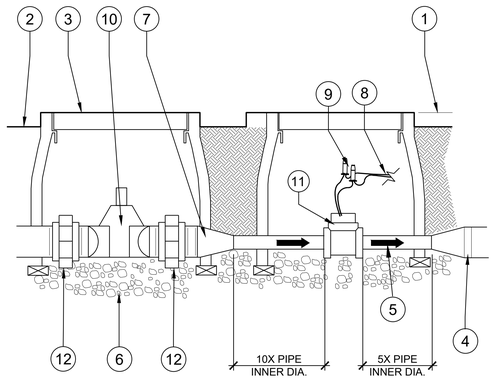
1. VALVE BOX WITH BOLT DOWN LID. ONE VALVE PER BOX - NO EXCEPTIONS. BOX SIZE AS REQUIRED TO HOUSE ALL ASSOCIATED EQUIPMENT. INSTALL BOX AS SHOWN IN BOX INSTALLATION DETAIL.
2. POLYURETHANE I.D. TAG WITH CONTROLLER AND STATION NUMBER.
3. FINISH GRADE.
4. VALVE CONTROL WIRE - PROVIDE 3M DBRY/6 WATERPROOF CONNECTIONS AT ALL SPLICES WATERPROOF CONNECTORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS IN VALVE BOX WITH OPEN END OF CONNECTOR FACING DOWN AND EXCESS WIRE IN A 1" DIAMETER COIL.
5. SCH. 80 PVC NIPPLE.
6. PVC LATERAL LINE.
7. LOWER LATERAL LINE WITH SCH. 40 PVC.
8. BRICK - 1 EACH CORNER.
9. PEA GRAVEL - 4" BELOW VALVE (NO SOIL IN VALVE BOX), 4" THICK LAYER.
10. DUCTILE IRON SERVICE SADDLE TEE BY LEEMCO, SEE IRRIGATION GENERAL NOTES
11. PVC MAINLINE.
12. SCHEDULE 80 PVC THREADED FITTINGS (AS REQUIRED).
13. REMOTE CONTROL VALVE WITH FLOW CONTROL AND MANUAL BLEED.
14. BALL VALVE, PVC, SCH. 40, SIZE TO MATCH RCV SIZE.
15. SCH. 80 PVC NIPPLE.

NOTES

A. LID SHALL BE LABELED "IRRIGATION CONTROL VALVE"
B. EACH REMOTE CONTROL VALVE SHALL BE INSTALLED WITH 2-WIRE DECODER SYSTEM. SEE DETAIL 4, SHEET L7.05.

2 MASTER CONTROL VALVE & FLOW SENSOR

NOT TO SCALE



SECTION

LEGEND

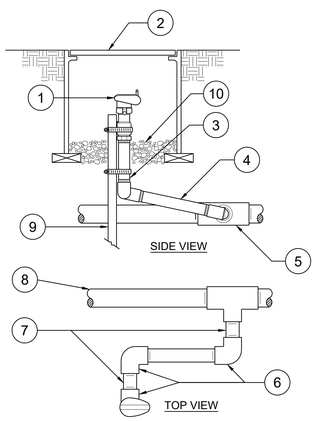
1. INSTALL 1" ABOVE FINISH GRADE IN PLANTING AREA.
2. FINISH GRADE.
3. VALVE BOX, 14" X 19" OR LARGER WITH EXTENSIONS IF NEEDED. SEE SPECS.
4. FITTING OR REDUCING COUPLING AT DISTANCE EQUAL TO 5 TIMES PIPE INNER DIAMETER FROM FLOW SENSOR.
5. DOWNSTREAM FLOW.
6. 10" DEEP 3/4" PEA GRAVEL SUMP.
7. FITTING OR REDUCING COUPLING AT DISTANCE EQUAL TO 10 TIMES PIPE INNER DIAMETER FROM FLOW SENSOR.
8. ALLOW 2' OF EXTRA CABLE. (2) 14 GAUGE AWG WIRES INSIDE OF A 1-INCH ELECTRICAL (GREY) PVC CONDUIT FROM FLOW SENSOR TO THE IRRIGATION CONTROLLER (RED AND BLACK FLOW METER WIRES).
9. 3M DBRY/6 WATERPROOF CONNECTIONS. CONNECTORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS IN VALVE BOX WITH OPEN END OF CONNECTOR FACING DOWN. NOTE POLARITY ON SENSOR TO SENSOR CABLE HOOKUP.
10. MASTER VALVE, DOWN STREAM FROM BACKFLOW.
11. FLOW SENSOR
12. SCH. 80 PVC THREADED UNION.

NOTES

A. FLOW SENSOR CABLE MUST RUN IN 1" PVC CONDUIT FROM SENSOR TO CONTROLLER ENCLOSURE.
B. LABEL EACH LID.

3 REMOTE CONTROL VALVE

NOT TO SCALE



LEGEND

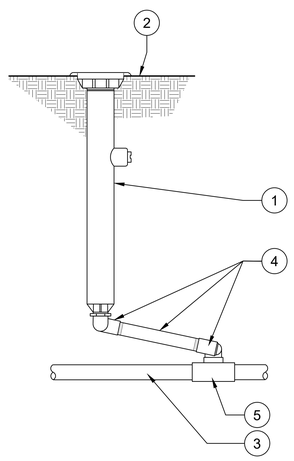
1. QUICK COUPLING VALVE.
2. ROUND VALVE BOX, WITH STEEL BOLT DOWN LID. TOP DIMENSION: 12" MIN. DIA.
3. SCHEDULE 80 PVC THREADED NIPPLE.
4. 10" LONG SCHEDULE 80 PVC THREADED NIPPLE.
5. UPC APPROVED SCHEDULE 40 PVC TEE OR ELBOW.
6. SCHEDULE 80 PVC THREADED 90° ELBOW.
7. 3" LONG SCHEDULE 80 PVC THREADED NIPPLE.
8. PVC MAINLINE.
9. STAKE.
10. PEA GRAVEL, 6" THICK.

NOTES

A. NIPPLES AND FITTINGS TO BE SAME SIZE AS VALVE IPT INLET THREAD SIZE.

4 REMOTE CONTROL VALVE WITH DECODER OUTPUT MODULE

NOT TO SCALE



SECTION

LEGEND

1. POP-UP SPRAY/ROTOR BODY.
2. FINISH GRADE/TOP OF MULCH, WHERE OCCURS.
3. PVC LATERAL PIPE.
4. SWING JOINT ASSEMBLY.
5. PVC SCH 40 TEE, FACE UPWARDS. UPWARD PIECE SHALL BE THREADED.

NOTES

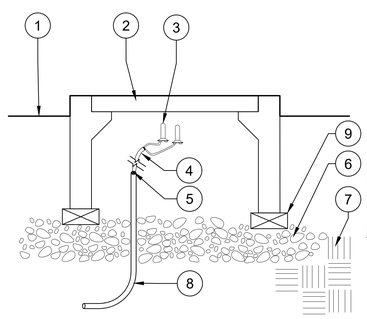
A. SWING JOINT SHALL BE BY HUNTER INDUSTRIES, MODEL: SJ-512 ½ X 12 FOR ½" BOTTOM HEAD INLET, SJ-712 3/4 X 12 FOR ¾" BOTTOM HEAD INLET, OR FOR 1" BOTTOM HEAD INLET, USE 4-1" THREADED MARLEX 90-DEGREE ELBOWS AND 1" X 12" LONG SCH. 80 THREADED NIPPLE.
B. SEE SPECS FOR TOP OF HEAD PLACEMENT RELATIVE TO ADJACENT SURFACES.

5 QUICK COUPLER VALVE

NOT TO SCALE

6 PULL BOX

NOT TO SCALE



SECTION

LEGEND

1. FINISH GRADE.
2. VALVE BOX WITH HOLD-DOWN BOLTS.
3. CONDUCTER ENCAPSULATED. PROVIDE 3M DBRY/6 WATERPROOF CONNECTIONS AT ENDS OF WIRES. WATERPROOF CONNECTORS SHALL BE INSTALLED PER MANUFACTURERS INSTRUCTIONS IN VALVE BOX WITH OPEN END OF CONNECTOR FACING DOWN.
4. 2-WIRE CABLE, PROVIDE 5' AND COIL
5. DUCT SEAL COMPOUND.
6. PEA GRAVEL, 6" LAYER.
7. COMPACTED SUBGRADE.
8. CONDUIT, 1.5" MIN., SCH. 40 PVC ELECTRICAL (GREY)
9. BRICK UNDER EACH CORNER.

NOTES

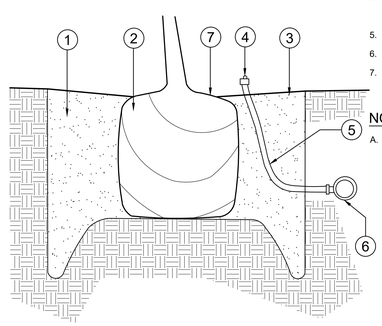
A. LID SHALL BE LABELED "PULL BOX".
B. SEE ADDITIONAL 2-WIRE DETAILS ON SHEET L7.06 AND NOTES ON SHEET L7.08.

7 POP-UP IRRIGATION HEAD

NOT TO SCALE

8 BUBBLER HEAD

NOT TO SCALE



SECTION

LEGEND

1. BACKFILL MIX.
2. ROOT BALL.
3. FINISH GRADE.
4. LOW FLOW BUBBLER, SET TOP OF BUBBLER 2" ABOVE FINISH SOIL GRADE.
5. 1/2" FLEXIBLE PVC PIPE.
6. IRRIGATION LATERAL LINE.
7. ROOTBALL OF PLANT.

NOTES

A. REFER TO PLAN FOR QUANTITY OF BUBBLERS PER PLANT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Expiration Renewal Date
12/31/26
STATE OF CALIFORNIA

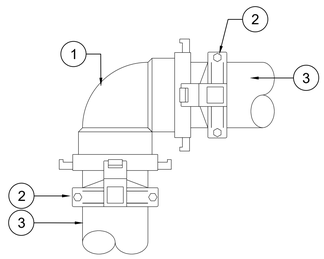
CONSULTANT

100% CONSTRUCTION DOCUMENTS

IRRIGATION DETAILS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/16/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L7.05



PLAN-EL

LEGEND

1. DUCTILE IRON 90 DEGREE EL FITTING.
2. JOINT RESTRAINT SHALL BE INSTALLED AT EACH END OF DUCTILE IRON GASKET FITTING.
3. MAINLINE OR LATERAL LINE PIPING PER PLANS.

NOTES

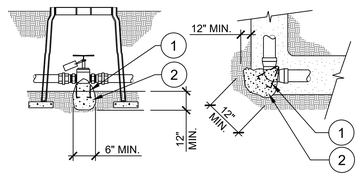
A. ALL DUCTILE IRON FITTINGS AND JOINT RESTRAINTS SHALL BE FROM LEEMCO, SEE IRRIGATION GENERAL NOTE ADDITIONAL REQUIREMENTS.

B. DUCTILE IRON FITTINGS AND JOINT RESTRAINTS ARE REQUIRED ON 2.5" OR LARGER MAIN LINES AND ON 3" OR LARGER LATERAL LINES, WHERE:

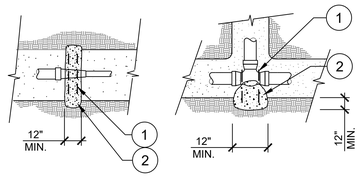
1. PIPE CHANGES DIRECTION.
2. PIPE STOPS OR DEAD ENDS.

C. SEE DETAIL 3, SHEET L7.05 FOR DUCTILE IRON SERVICE SADDLE TEE AT IRRIGATION REMOTE CONTROL VALVES.

D. NOT ALL DUCTILE IRON FITTINGS AND JOINT RESTRAINT CONFIGURATIONS ARE SHOWN HERE, SEE IRRIGATION GENERAL NOTE FOR REQUIREMENTS.



SECTION - VALVES PLAN - ELLS



PLAN - REDUCERS PLAN - TEES AND ENDS

LEGEND

1. (2) #4 REBAR.
2. CONCRETE THRUST BLOCK.

NOTES

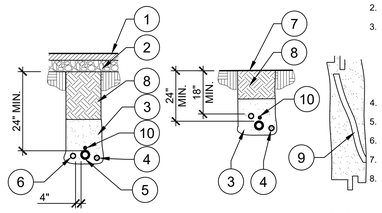
A. THRUST BLOCKS SHALL NOT PROJECT HIGHER THAN 1/2 THE DISTANCE FROM THE BOTTOM OF THE TRENCH TO THE FINISH GRADE

B. DO NOT COVER ENDS OF FITTINGS OR BOLTS WITH CONCRETE.

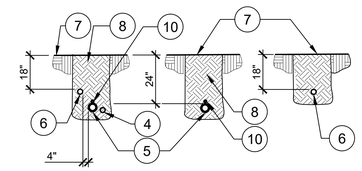
C. CONCRETE SHALL HAVE COMPRESSION STRENGTH OF 2000 PSI.

D. THRUST BLOCKING IS REQUIRED ON ALL NON-MECHANICAL JOINT VALVES WHERE THRUST DEVELOPS, AND ON ALL NON-MECHANICAL JOINTS AT PIPE WHERE, WHERE:

1. PIPE CHANGES DIRECTION.
2. PIPE CHANGES SIZE.
3. PIPE STOPS OR DEAD ENDS.
4. THRUST DUE TO HIGH PRESSURE IS EXPECTED.



SECTION SECTION PLAN



SECTION JOINT TRENCH SECTION MAIN LINE SECTION LATERAL LINE

LEGEND

1. PAVING.
2. BASE MATERIAL.
3. INITIAL SAND BACKFILL REQUIRED IN TRENCHES WITH ROCKY TERRAIN AND UNDER PAVEMENT (TYPICAL ALL SITUATIONS). LAY PIPE ON 2" SAND BED TO EXTEND 6" ABOVE SHALLOWEST PIPE.
4. L.V. WIRING IN CONDUIT, TYP.
5. MAIN LINE, TYP.
6. LATERAL LINE, TYP.
7. FINISH GRADE, TYP.
8. SALVAGED, EXCAVATED FILL COMPACTED TO ORIGINAL DENSITY, TYP.
9. SNAKE ALL PIPE IN TRENCHES AS SHOWN.
10. TRACER WIRE, SECURED TO PIPE.

NOTES

A. INSTALL MAIN LINE AND LATERAL LINE IN SLEEVING IF REQUIRED PER PLAN.

NOTES

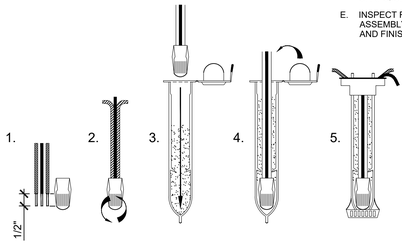
A. STRIP WIRES APPROXIMATELY 1/2" TO EXPOSE WIRE, SEE STEP 1.

B. TWIST CONNECTOR AROUND WIRES CLOCKWISE UNTIL HAND TIGHT, DO NOT OVER-TIGHTEN, SEE STEP 2.

C. INSERT WIRE ASSEMBLY INTO PLASTIC TUBE UNTIL WIRE CONNECTOR SNAPS PAST LIP IN BOTTOM OF TUBE, SEE STEP 3.

D. PLACE WIRES WHICH EXIT TUBE IN WIRE EXIT HOLES AND CLOSE CAP UNTIL IT SNAPS, SEE STEP 4.

E. INSPECT FINAL SPLICE ASSEMBLY TO BE SECURE AND FINISHED, SEE STEP 5.



STEP 1 STEP 2 STEP 3 STEP 4 STEP 5

1 MECHANICAL JOINT

NOT TO SCALE

LEGEND

1. QUICK COUPLER VALVE BOX.
2. VALVE BOX, TYP.
3. EDGE OF LAWN, PAVEMENT, FENCE, CURB, ETC.

NOTES

A. SET RCV AND VALVE BOX ASSEMBLY IN GROUND COVER/SHRUB AREA WHERE POSSIBLE.

B. SET BOXES PARALLEL TO EACH OTHER AND PERPENDICULAR TO EDGE.

PLAN

5 VALVE BOX LAYOUT

NOT TO SCALE

2 THRUST BLOCK/THRUST BLOCKS FOR PIPE

NOT TO SCALE

LEGEND

1. FINISH GRADE.
2. 10" ROUND VALVE BOX WITH HOLD-DOWN BOLTS.
3. FILTER FABRIC BARRIER.
4. 6" DEEP PEA GRAVEL SUMP.
5. 6" ADS, LENGTH AS REQUIRED.
6. LEEMCO BELL X BELL SELF-RESTRAINED, RESILIENT WEDGE GATE VALVE.
7. MAINLINE.
8. BRICK UNDER EACH CORNER.
9. COMPACTED SUBGRADE.

SECTION

6 SHUTOFF VALVE AT STRAIGHT PIPE RUNS

NOT TO SCALE

3 IRRIGATION TRENCH/PIPE TRENCH

NOT TO SCALE

LEGEND

1. FINISH GRADE.
2. 10" ROUND VALVE BOX WITH HOLD-DOWN BOLTS.
3. FILTER FABRIC BARRIER.
4. 6" DEEP PEA GRAVEL SUMP.
5. 6" ADS, LENGTH AS REQUIRED.
6. LEEMCO SPIGOT x BELL SELF-RESTRAINED, RESILIENT WEDGE GATE VALVE.
7. LEEMCO DUCTILE IRON TEE
8. BRICK UNDER EACH CORNER.
9. COMPACTED SUBGRADE.

SECTION

7 SHUTOFF VALVE AT TEE CONNECTIONS

NOT TO SCALE

4 IRR. WIRE CONNECTION/SPLICE ASSEMBLY

NOT TO SCALE

NOTES

A. FIELD LOCATE EXISTING CAMPUS IRRIGATION MAIN LINE AND NOTIFY LANDSCAPE ARCHITECT.

B. MASTER CONTROL VALVE SHALL BE INSTALLED DOWNSTREAM OF EXISTING CAMPUS IRRIGATION MAIN LINE CONNECTION.

C. BOOSTER PUMP SHALL BE INSTALLED UPSTREAM OF EXISTING CAMPUS MAIN LINE CONNECTION.

LEGEND

1. NEW IRRIGATION MAIN LINE.
2. EXISTING CAMPUS IRRIGATION MAIN LINE.
3. EXISTING CITY WATER MAIN LINE.
4. EXISTING IRRIGATION BACKFLOW PREVENTION DEVICE.
5. NEW BOOSTER PUMP.
6. NEW MASTER CONTROL VALVE.
7. NEW FLOW SENSOR.
8. NEW SHUT OFF VALVE.

8 IRRIGATION EQUIPMENT INSTALLATION DIAGRAM

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Signature
Renewal Date 12/31/26
STATE OF CALIFORNIA

CONSULTANT

100% CONSTRUCTION DOCUMENTS

IRRIGATION DETAILS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L7.06

1 GROUND ROD FOR CONTROLLER

Hunter GR.01 — NOT TO SCALE

LEGEND:

1. IRRIGATION CONTROLLER PER PLAN
2. CONCRETE CONTROLLER PAD PER PLAN
3. PVC ELL SWEEP, 1-1/2-IN MIN.
4. 15-FT PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 1820007IC6)
5. GROUND ROD SHALL BE 5/8-IN DIAMETER X 8-FT LONG COPPER CLAD STEEL GROUND RODS WITH 15-FT PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 182000IC6) 6-IN
6. ROUND VALVE BOX WITH 'GR' HEAT WELDED ON LID IN 2-IN LETTERS
7. MIRAFI 180N FILTER FABRIC
8. SPHERE OF INFLUENCE BOUNDARY SPANNING 8-FT IN ALL DIRECTIONS IN EARTH FROM GROUND ROD
9. FINISHED GRADE

NOTES:

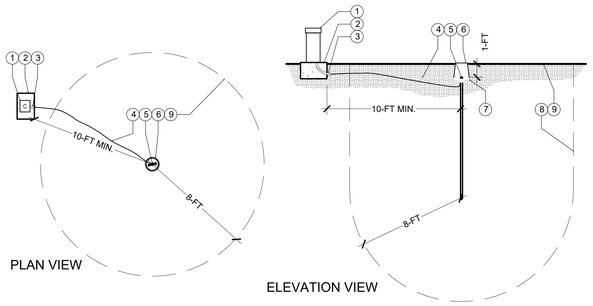
A. CONTRACTOR SHALL INSTALL GROUNDING IN ACCORDANCE TO MANUFACTURERS SPECIFICATIONS AND LOCAL CODES AND REQUIREMENTS

B. SPHERE OF INFLUENCE SHALL REMAIN FREE AND CLEAR OF WIRES, CABLES, ELECTRONIC EQUIPMENT, AND ANY EQUIPMENT THAT MAY BE DAMAGED DURING AN ELECTRICAL SURGE EVENT

C. GROUND ROD SHALL BE DRIVEN INTO THE GROUND IN A VERTICAL POSITION OR AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES AT A LOCATION 10-FT FROM THE ELECTRONIC EQUIPMENT, THE GROUND PLATE, OR THE WIRES AND CABLES CONNECTED TO EQUIPMENT BEING GROUNDED

D. CONTRACTOR SHALL INSURE 10HMS OR LESS RESISTANCE BETWEEN GROUND ROD AND CONTROLLER; MULTIPLE GROUND CONNECTIONS MAY BE NEEDED TO ACHIEVE 10 OHMS OR LESS RESISTANCE

E. CONTRACTOR SHALL INSTALL GROUNDING CIRCUIT COMPONENTS IN STRAIGHT LINES AVOIDING SHARP TURNS



2 GROUND ROD AT DECODER

Hunter GR.05 — NOT TO SCALE

LEGEND:

1. IRRIGATION REMOTE CONTROL VALVE, VALVE BOX, AND DECODER PER PLAN
2. IRRIGATION MAINLINE AND LATERAL PER PLAN
3. TWO-WIRE PATH PER PLAN
4. 15-FT PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 1820007IC6) CONNECTED TO DECODER USING ERICO PG11L KIT PER MANUFACTURER'S SPECIFICATIONS
5. GROUND ROD SHALL BE 5/8-IN DIAMETER X 8-FT LONG COPPER CLAD STEEL GROUND RODS WITH 15-FT PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 182000IC6) 6-IN
6. ROUND VALVE BOX WITH 'GR' HEAT WELDED ON LID IN 2-IN LETTERS
7. MIRAFI 180N FILTER FABRIC
8. SPHERE OF INFLUENCE BOUNDARY SPANNING 8-FT IN ALL DIRECTIONS IN EARTH FROM GROUND ROD
9. FINISHED GRADE

NOTES:

A. CONTRACTOR SHALL INSTALL GROUNDING IN ACCORDANCE TO MANUFACTURERS SPECIFICATIONS AND LOCAL CODES AND REQUIREMENTS

B. SPHERE OF INFLUENCE SHALL REMAIN FREE AND CLEAR OF WIRES, CABLES, ELECTRONIC EQUIPMENT, AND ANY EQUIPMENT THAT MAY BE DAMAGED DURING AN ELECTRICAL SURGE EVENT

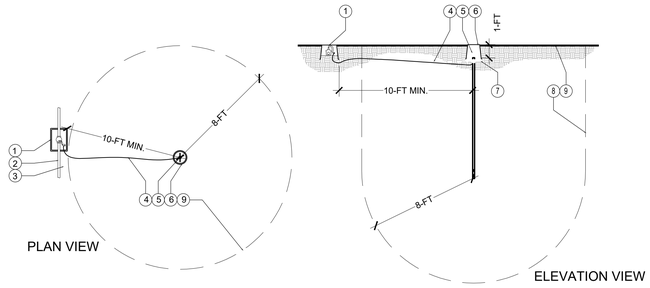
C. GROUND ROD SHALL BE DRIVEN INTO THE GROUND IN A VERTICAL POSITION OR AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES AT A LOCATION 10-FT FROM THE ELECTRONIC EQUIPMENT, THE GROUND PLATE, OR THE WIRES AND CABLES CONNECTED TO EQUIPMENT BEING GROUNDED

D. CONTRACTOR SHALL INSURE 10HMS OR LESS RESISTANCE BETWEEN GROUND ROD AND CONTROLLER; MULTIPLE GROUND CONNECTIONS MAY BE NEEDED TO ACHIEVE 10 OHMS OR LESS RESISTANCE

E. CONTRACTOR SHALL INSTALL GROUNDING CIRCUIT COMPONENTS IN STRAIGHT LINES AVOIDING SHARP TURNS

F. CONTRACTOR SHALL JOIN BARE COPPER WIRES USING ERICO PG11L KIT PER MANUFACTURES SPECIFICATIONS

G. CONTRACTOR SHALL INSTALL EARTH GROUND ROD AT 90° ANGLE FROM DIRECTION OF TWO-WIRE PATH



3 GROUND PLATE FOR CONTROLLER

Hunter GR.02 — NOT TO SCALE

LEGEND:

1. IRRIGATION CONTROLLER PER PLAN
2. CONCRETE CONTROLLER PAD PER PLAN
3. PVC ELL SWEEP, 1-1/2-IN MIN.
4. 25-FT CONTINUOUS LENGTH OF 6 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE WELDED TO THE PLATE (PAIGE ELECTRIC 182199IC)
5. 4-IN X 8-FT X 0.0625-IN SOLID COPPER GROUNDING PLATE, WITH 25-FT CONTINUOUS LENGTH OF 6 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE WELDED TO THE PLATE (PAIGE ELECTRIC 182199IC)
6. TWO 50-LB BAGS OF POWERSET EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820058) FOR POROUS SOILS OR TWO 50-LB BAGS OF POWERFILL EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820059) FOR NON-POROUS SOILS INSTALLED TO INSURE 100% COVERAGE OF GROUND PLATE
7. SPHERE OF INFLUENCE BOUNDARY
8. FINISHED GRADE

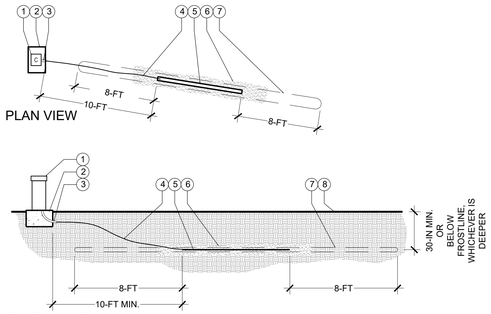
NOTES:

A. CONTRACTOR SHALL INSTALL GROUNDING IN ACCORDANCE TO MANUFACTURERS SPECIFICATIONS AND LOCAL CODES AND REQUIREMENTS

B. SPHERE OF INFLUENCE SHALL REMAIN FREE AND CLEAR OF WIRES, CABLES, ELECTRONIC EQUIPMENT, AND ANY EQUIPMENT THAT MAY BE DAMAGED DURING AN ELECTRICAL SURGE EVENT

C. GROUND PLATE SHALL BE INSTALLED IN HORIZONTAL FLAT POSITION AT A LOCATION 10-FT FROM THE ELECTRONIC EQUIPMENT, THE GROUND ROD, OR THE WIRES AND CABLES CONNECTED TO EQUIPMENT BEING GROUNDED

D. CONTRACTOR SHALL INSURE 10HMS OR LESS RESISTANCE BETWEEN GROUND PLATE AND CONTROLLER; MULTIPLE GROUND CONNECTIONS MAY BE NEEDED TO ACHIEVE 10 OHMS OR LESS RESISTANCE



4 GROUND ROD AND PLATE FOR CONTROLLER

Hunter GR.03 — NOT TO SCALE

LEGEND:

1. IRRIGATION CONTROLLER PER PLAN
2. CONCRETE CONTROLLER PAD PER PLAN
3. PVC ELL SWEEP, 1-1/2-IN MIN.
4. 15-FT PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 1820007IC6)
5. GROUND ROD SHALL BE 5/8-IN DIAMETER X 8-FT LONG COPPER CLAD STEEL GROUND RODS WITH 15-FT PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 182000IC6) 6-IN
6. ROUND VALVE BOX WITH 'GR' HEAT WELDED ON LID IN 2-IN LETTERS
7. 4-IN X 8-FT X 0.0625-IN SOLID COPPER GROUNDING PLATE, WITH 25-FT CONTINUOUS LENGTH OF 6 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE WELDED TO THE PLATE (PAIGE ELECTRIC 182199IC)
8. TWO 50-LB BAGS OF POWERSET EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820058) FOR POROUS SOILS OR TWO 50-LB BAGS OF POWERFILL EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820059) FOR NON-POROUS SOILS INSTALLED TO INSURE 100% COVERAGE OF GROUND PLATE
9. MIRAFI 180N FILTER FABRIC
10. SPHERE OF INFLUENCE BOUNDARY SPANNING 8-FT IN ALL DIRECTIONS IN EARTH FROM GROUND ROD
11. FINISHED GRADE

NOTES:

A. CONTRACTOR SHALL INSTALL GROUNDING IN ACCORDANCE TO MANUFACTURERS SPECIFICATIONS AND LOCAL CODES AND REQUIREMENTS

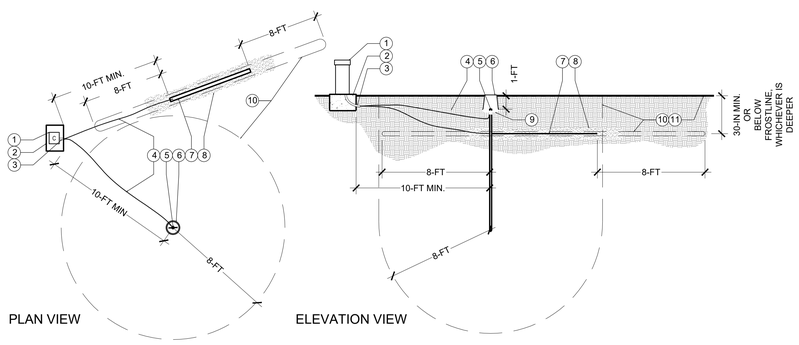
B. SPHERE OF INFLUENCE SHALL REMAIN FREE AND CLEAR OF WIRES, CABLES, ELECTRONIC EQUIPMENT, AND ANY EQUIPMENT THAT MAY BE DAMAGED DURING AN ELECTRICAL SURGE EVENT

C. GROUND ROD SHALL BE DRIVEN INTO THE GROUND IN A VERTICAL POSITION OR AN OBLIQUE ANGLE NOT TO EXCEED 45 DEGREES AT A LOCATION 10-FT FROM THE ELECTRONIC EQUIPMENT, THE GROUND PLATE, OR THE WIRES AND CABLES CONNECTED TO EQUIPMENT BEING GROUNDED

D. GROUND PLATE SHALL BE INSTALLED IN HORIZONTAL FLAT POSITION AT A LOCATION 10-FT FROM THE ELECTRONIC EQUIPMENT, THE GROUND ROD, OR THE WIRES AND CABLES CONNECTED TO EQUIPMENT BEING GROUNDED

E. CONTRACTOR SHALL INSURE 10HMS OR LESS RESISTANCE BETWEEN GROUND ROD AND CONTROLLER; MULTIPLE GROUND CONNECTIONS MAY BE NEEDED TO ACHIEVE 10 OHMS OR LESS RESISTANCE

F. CONTRACTOR SHALL INSTALL GROUNDING CIRCUIT COMPONENTS IN STRAIGHT LINES AVOIDING SHARP TURNS



5 MULTIPLE GROUND PLATES FOR CONTROLLER

Hunter GR.04 — NOT TO SCALE

LEGEND:

1. IRRIGATION CONTROLLER PER PLAN
2. CONCRETE CONTROLLER PAD PER PLAN
3. PVC ELL SWEEP, 1-1/2-IN MIN.
4. 25-FT CONTINUOUS LENGTH OF 6 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE WELDED TO THE PLATE (PAIGE ELECTRIC 182199IC)
5. 4-IN X 8-FT X 0.0625-IN SOLID COPPER GROUNDING PLATE, WITH 25-FT CONTINUOUS LENGTH OF 6 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE WELDED TO THE PLATE (PAIGE ELECTRIC 182199IC)
6. TWO 50-LB BAGS OF POWERSET EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820058) FOR POROUS SOILS OR TWO 50-LB BAGS OF POWERFILL EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820059) FOR NON-POROUS SOILS INSTALLED TO INSURE 100% COVERAGE OF GROUND PLATE
7. SPHERE OF INFLUENCE BOUNDARY

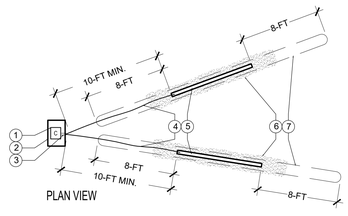
NOTES:

A. CONTRACTOR SHALL INSTALL GROUNDING IN ACCORDANCE TO MANUFACTURERS SPECIFICATIONS AND LOCAL CODES AND REQUIREMENTS

B. SPHERE OF INFLUENCE SHALL REMAIN FREE AND CLEAR OF WIRES, CABLES, ELECTRONIC EQUIPMENT, AND ANY EQUIPMENT THAT MAY BE DAMAGED DURING AN ELECTRICAL SURGE EVENT

C. GROUND PLATE SHALL BE INSTALLED IN HORIZONTAL FLAT POSITION AT A LOCATION 10-FT FROM THE ELECTRONIC EQUIPMENT, THE GROUND ROD, OR THE WIRES AND CABLES CONNECTED TO EQUIPMENT BEING GROUNDED

D. CONTRACTOR SHALL INSURE 10HMS OR LESS RESISTANCE BETWEEN GROUND PLATE AND CONTROLLER; MULTIPLE GROUND CONNECTIONS MAY BE NEEDED TO ACHIEVE 10 OHMS OR LESS RESISTANCE



6 GROUND PLATE AT DECODER

Hunter GR.06 — NOT TO SCALE

LEGEND:

1. IRRIGATION REMOTE CONTROL VALVE, VALVE BOX, AND DECODER PER PLAN
2. IRRIGATION MAINLINE AND LATERAL PER PLAN
3. TWO-WIRE PATH PER PLAN
4. 15-FT PRE-WELDED #6 AWG INSULATED GREEN-YELLOW WIRE (PAIGE ELECTRIC PART # 1820007IC6) CONNECTED TO DECODER USING ERICO PG11L KIT PER MANUFACTURES SPECIFICATIONS
5. GROUND PLATE SHALL BE 4-IN X 3-FT X 0.0625-IN SOLID COPPER GROUNDING PLATE, WITH 15-FT CONTINUOUS LENGTH OF 10 AWG, GREEN INSULATED, WITH EXTRUDED YELLOW STRIPE, SOLID BARE COPPER WIRE IS WELDED TO THE PLATE (PAIGE ELECTRIC 182201IC)
6. ONE 50-LB BAG OF POWERSET EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820058) FOR POROUS SOILS OR ONE 50-LB BAG OF POWERFILL EARTH CONTACT MATERIAL (PAIGE ELECTRIC 1820059) FOR NON-POROUS SOILS INSTALLED TO INSURE 100% COVERAGE OF GROUND PLATE
7. SPHERE OF INFLUENCE BOUNDARY
8. FINISHED GRADE

NOTES:

A. CONTRACTOR SHALL INSTALL GROUNDING IN ACCORDANCE TO MANUFACTURERS SPECIFICATIONS AND LOCAL CODES AND REQUIREMENTS

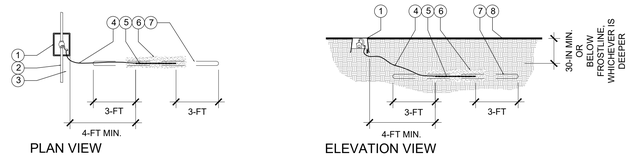
B. SPHERE OF INFLUENCE SHALL REMAIN FREE AND CLEAR OF WIRES, CABLES, ELECTRONIC EQUIPMENT, AND ANY EQUIPMENT THAT MAY BE DAMAGED DURING AN ELECTRICAL SURGE EVENT

C. CONTRACTOR SHALL INSURE 10HMS OR LESS RESISTANCE BETWEEN GROUND ROD AND CONTROLLER; MULTIPLE GROUND CONNECTIONS MAY BE NEEDED TO ACHIEVE 10 OHMS OR LESS RESISTANCE

D. CONTRACTOR SHALL INSTALL GROUNDING CIRCUIT COMPONENTS IN STRAIGHT LINES AVOIDING SHARP TURNS

E. CONTRACTOR SHALL JOIN BARE COPPER WIRES USING ERICO PG11L KIT PER MANUFACTURES SPECIFICATIONS

F. CONTRACTOR SHALL INSTALL EARTH GROUND PLATE AT 90° ANGLE FROM DIRECTION OF TWO-WIRE PATH



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
REGISTERED 3199
12/31/26
Expiration Renewal Date
STATE OF CALIFORNIA

CONSULTANT

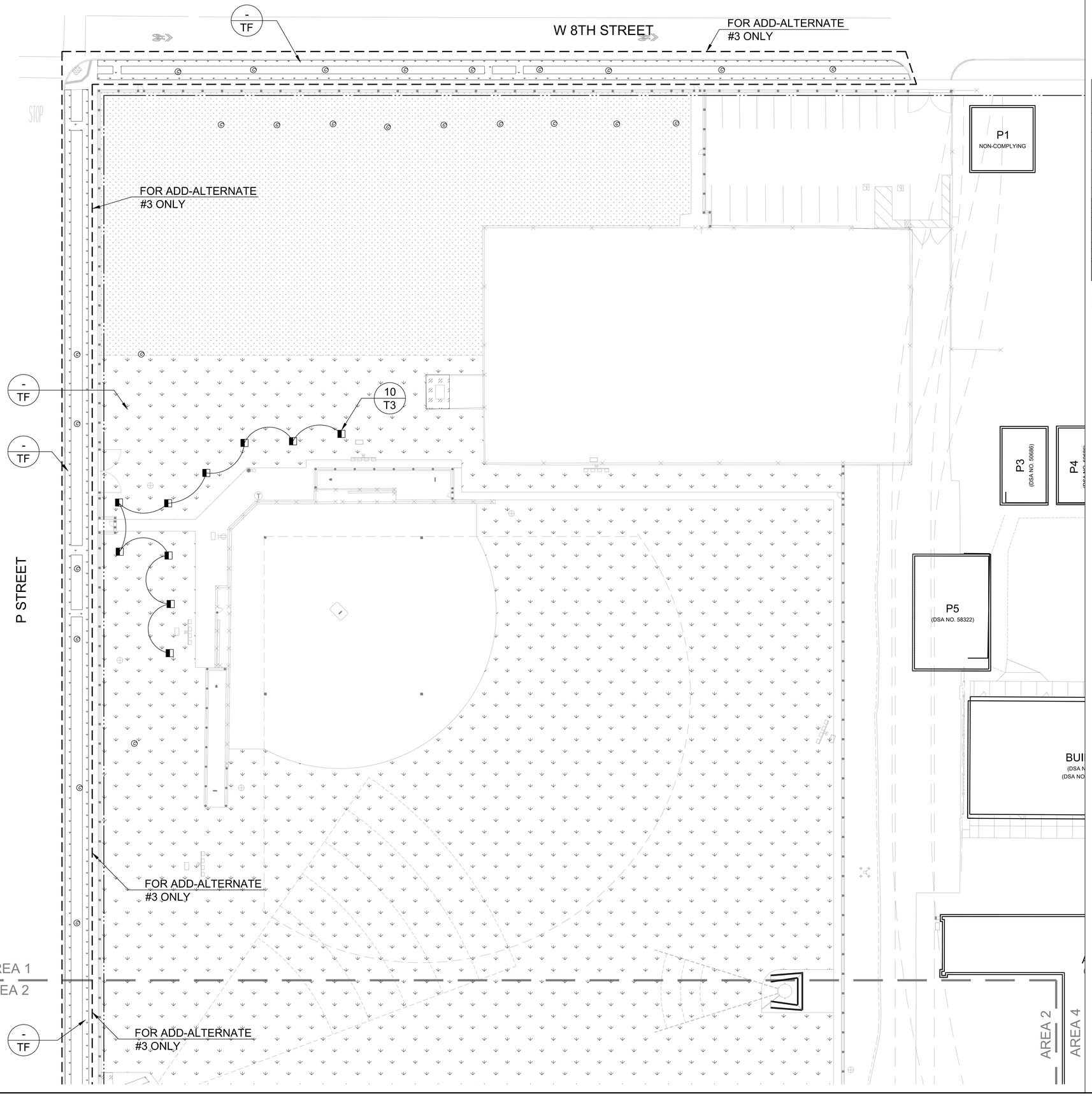
IRRIGATION DETAILS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT

SHEET NO.
L7.07

100% CONSTRUCTION DOCUMENTS



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

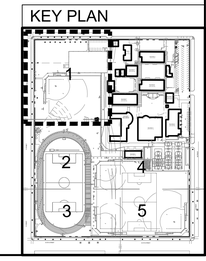
SYMBOL	KEY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
TREES					
■	T1	BRISBANE BOX	LOPHOSTEMON CONFERTUS	15 GAL.	STANDARD TRUNK
◭	T2	CHINESE FLAME TREE	KOELREUTERIA BIPINNATA	15 GAL.	STANDARD TRUNK
◧	T3	AUSTRALIAN WILLOW	GEIJERA PARVIFLORA	15 GAL.	STANDARD TRUNK
⊙		EXISTING TREE, PRESERVE AND PROTECT			
GROUNDCOVER, SUCH AS					
	G1	MOLATE RED FESCUE	FESTUCA RUBRA 'MOLATE'	4" POT	SPACE @ 12" O.C.
	TF	TURF, SEEDED			90% DWARF FESCUE, 10% BLUEGRASS SEED BLEND
	M	MULCH			
		EXISTING TURF, TO BE PRESERVED			

X — PLANT QUANTITIES
XX — PLANT KEY

TRUE NORTH / PROJECT NORTH

0 10' 20' 40'

KEY PLAN



REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
REGISTERED 3195
Signature
Renewal Date 12/31/26
STATE OF CALIFORNIA

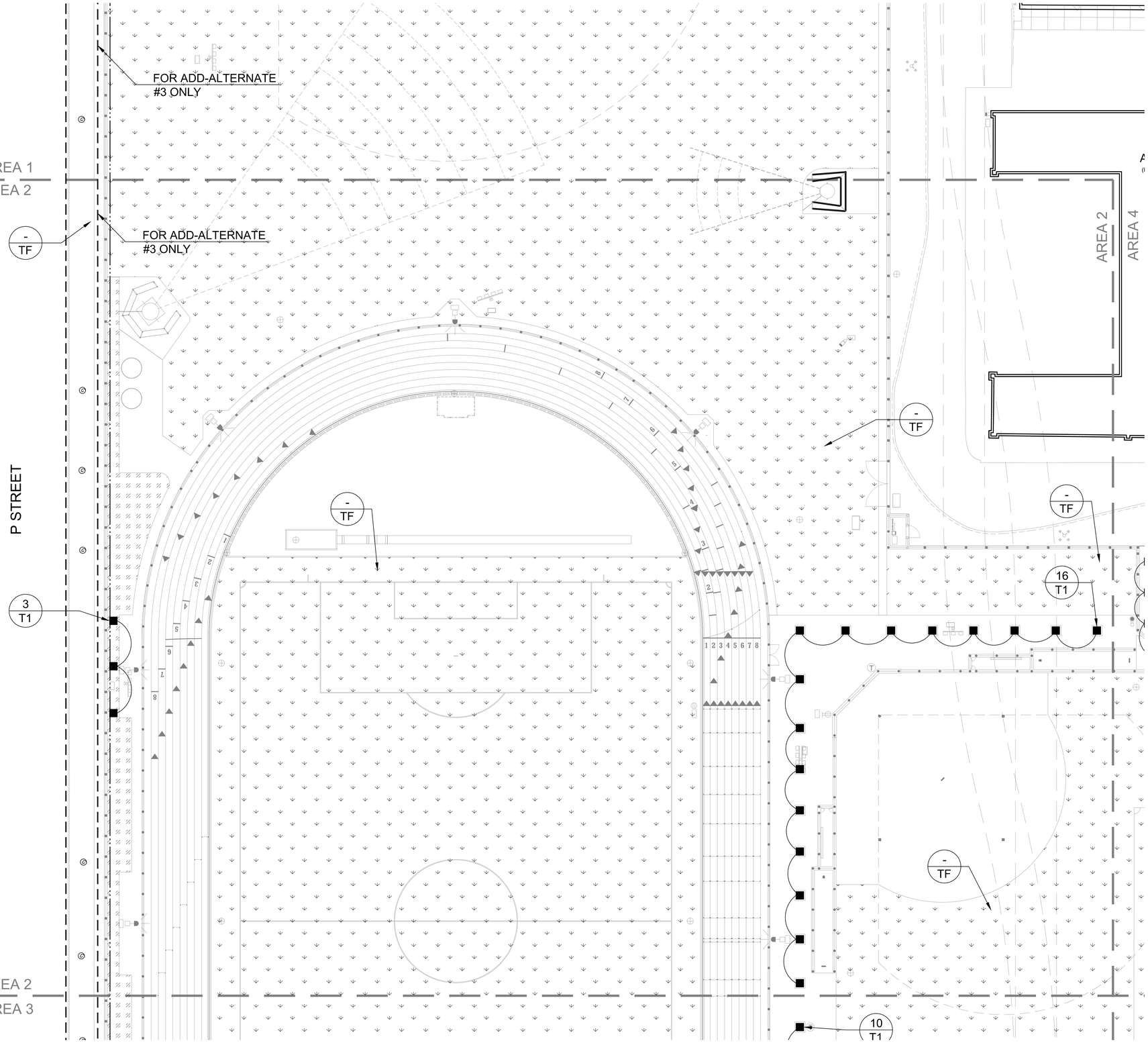
CONSULTANT

100% CONSTRUCTION DOCUMENTS

PLANTING PLAN:
AREA 1

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L8.00



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	KEY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
TREES					
■	T1	BRISBANE BOX	LOPHOSTEMON CONFERTUS	15 GAL.	STANDARD TRUNK
◭	T2	CHINESE FLAME TREE	KOELREUTERIA BIPINNATA	15 GAL.	STANDARD TRUNK
◧	T3	AUSTRALIAN WILLOW	GEIJERA PARVIFLORA	15 GAL.	STANDARD TRUNK
⊙		EXISTING TREE, PRESERVE AND PROTECT			
GROUNDCOVER, SUCH AS					
	G1	MOLATE RED FESCUE	FESTUCA RUBRA 'MOLATE'	4" POT	SPACE @ 12" O.C.
	TF	TURF, SEEDED			90% DWARF FESCUE, 10% BLUEGRASS SEED BLEND
	M	MULCH			
		EXISTING TURF, TO BE PRESERVED			

X — PLANT QUANTITIES
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LICENSED LANDSCAPE ARCHITECT
3196
Signature
12/31/26
Renewal Date
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CONSULTANT

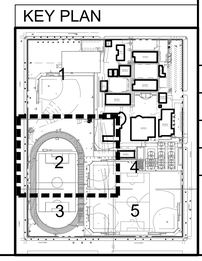
PLANTING PLAN: AREA 2

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

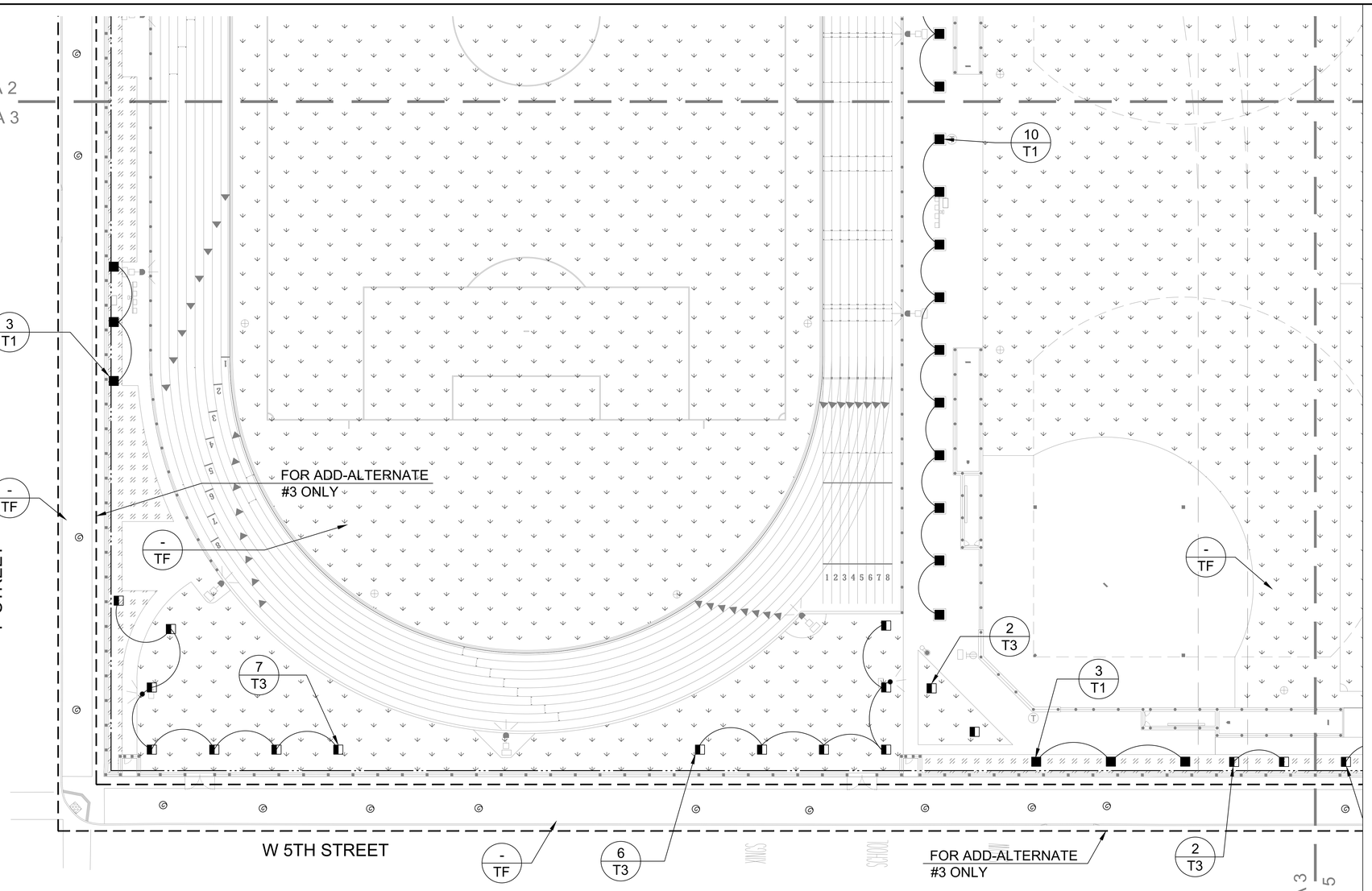
DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L8.01

KEY PLAN



TRUE NORTH
PROJECT NORTH

0 10' 20' 40'



LEGEND

SYMBOL	KEY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
TREES					
■	T1	BRISBANE BOX	LOPHOSTEMON CONFERTUS	15 GAL.	STANDARD TRUNK
◭	T2	CHINESE FLAME TREE	KOELREUTERIA BIPINNATA	15 GAL.	STANDARD TRUNK
◧	T3	AUSTRALIAN WILLOW	GEIJERA PARVIFLORA	15 GAL.	STANDARD TRUNK
ⓖ		EXISTING TREE, PRESERVE AND PROTECT			
GROUNDCOVER, SUCH AS					
	G1	MOLATE RED FESCUE	FESTUCA RUBRA 'MOLATE'	4" POT	SPACE @ 12" O.C.
	TF	TURF, SEEDED			90% DWARF FESCUE, 10% BLUEGRASS SEED BLEND
	M	MULCH			
		EXISTING TURF, TO BE PRESERVED			

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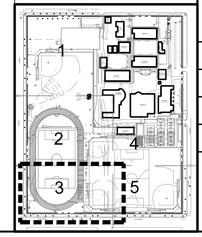
PLANTING PLAN:
AREA 3

100% CONSTRUCTION DOCUMENTS

TRUE NORTH
PROJECT NORTH

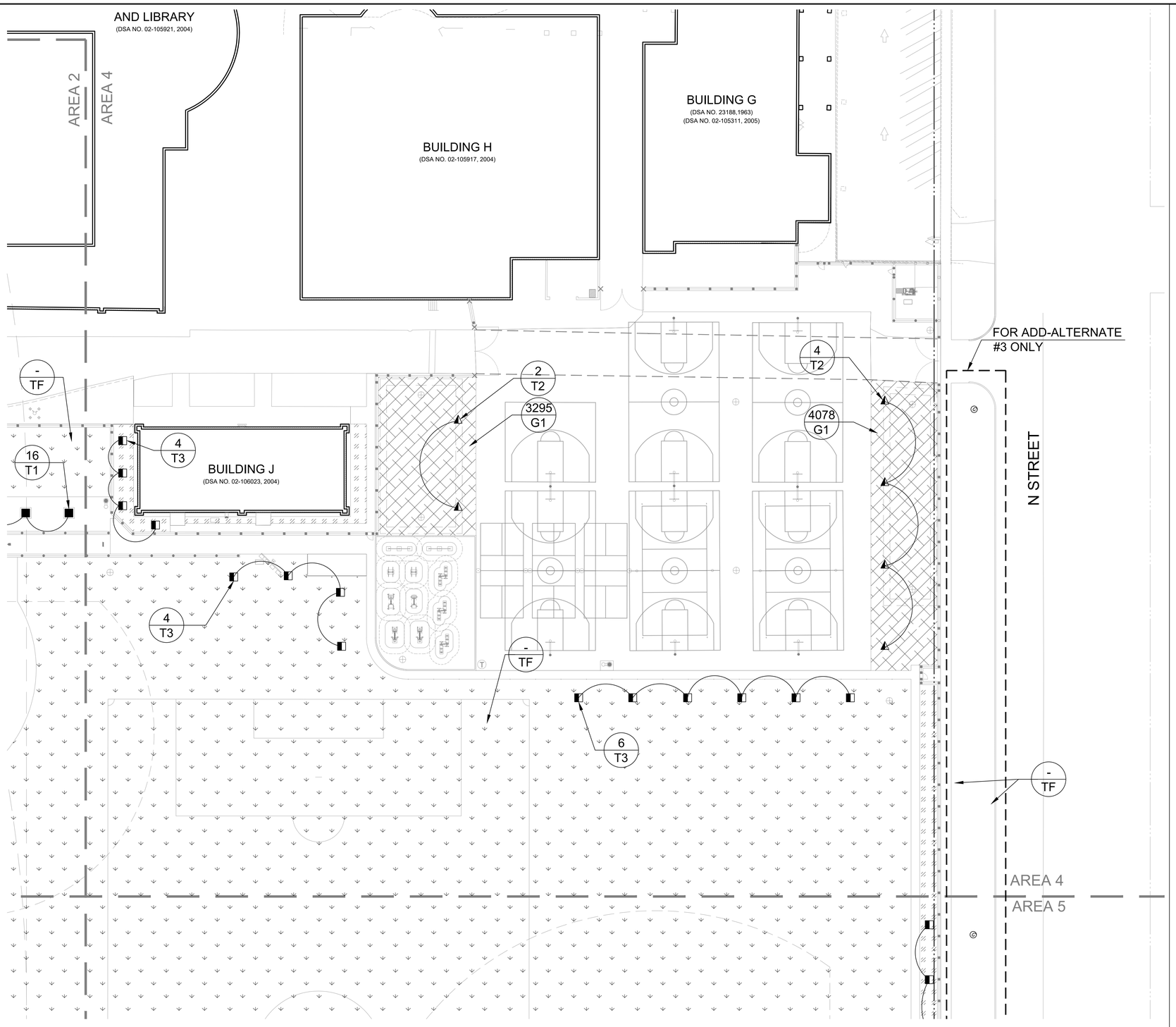
0 10' 20' 40'

KEY PLAN



TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: NM
CHECKED BY: BT
SHEET NO.
L8.02



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

SYMBOL	KEY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
TREES					
■	T1	BRISBANE BOX	LOPHOSTEMON CONFERTUS	15 GAL.	STANDARD TRUNK
◭	T2	CHINESE FLAME TREE	KOELREUTERIA BIPINNATA	15 GAL.	STANDARD TRUNK
◧	T3	AUSTRALIAN WILLOW	GEIJERA PARVIFLORA	15 GAL.	STANDARD TRUNK
ⓒ		EXISTING TREE, PRESERVE AND PROTECT			
GROUNDCOVER, SUCH AS					
	G1	MOLATE RED FESCUE	FESTUCA RUBRA 'MOLATE'	4" POT	SPACE @ 12" O.C.
	TF	TURF, SEEDED			90% DWARF FESCUE, 10% BLUEGRASS SEED BLEND
	M	MULCH			
		EXISTING TURF, TO BE PRESERVED			

X — PLANT QUANTITIES
XX — PLANT KEY

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
BRYAN TANAKA
3199
Signature
12/31/26
Renewal Date
STATE OF CALIFORNIA

CONSULTANT

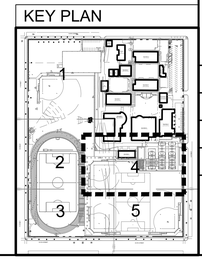
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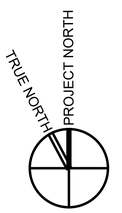
PLANTING PLAN:
AREA 4

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

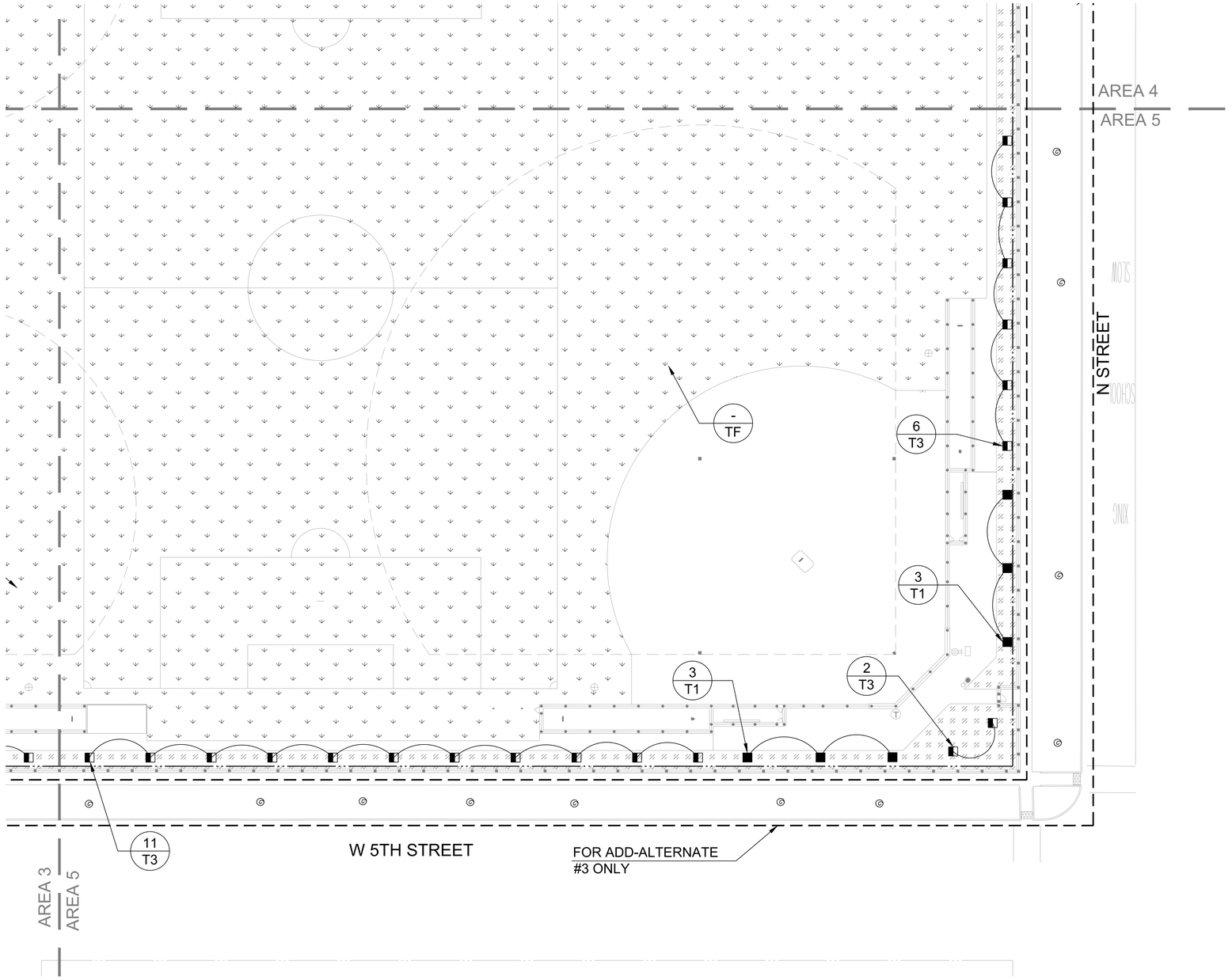
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KEY PLAN





0 10' 20' 40'



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APP: 02-123490 INC:
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DATE: 04/30/2026

LEGEND

SYMBOL	KEY	COMMON NAME	BOTANICAL NAME	SIZE	REMARKS
TREES					
■	T1	BRISBANE BOX	LOPHOSTEMON CONFERTUS	15 GAL.	STANDARD TRUNK
◭	T2	CHINESE FLAME TREE	KOELREUTERIA BIPINNATA	15 GAL.	STANDARD TRUNK
◧	T3	AUSTRALIAN WILLOW	GEIJERA PARVIFLORA	15 GAL.	STANDARD TRUNK
ⓒ		EXISTING TREE, PRESERVE AND PROTECT			
GROUNDCOVER, SUCH AS					
▨	G1	MOLATE RED FESCUE	FESTUCA RUBRA 'MOLATE'	4" POT	SPACE @ 12" O.C.
⸗	TF	TURF, SEEDED			90% DWARF FESCUE, 10% BLUEGRASS SEED BLEND
▨	M	MULCH			
⸗		EXISTING TURF, TO BE PRESERVED			

X — PLANT QUANTITIES
XX — PLANT KEY

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
No. 3199
Signature
Renewal Date 12/31/26
STATE OF CALIFORNIA

CONSULTANT

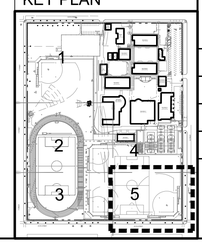
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PLANTING PLAN:
AREA 5

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

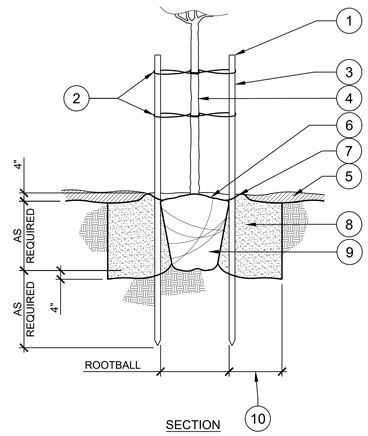
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L8.04

KEY PLAN



TRUE NORTH
PROJECT NORTH

0 10' 20' 40'



SECTION

LEGEND

1. CUT TOP OF STAKE AS REQUIRED TO CLEAR LOWEST BRANCHES BY 6". EASE EDGE TO A SMOOTH FINISH.
2. CORDED RUBBER STRAP TREE CROSS TIE. NAIL TO STAKE IN FIGURE 8 PATTERN W/ 1" ROOFING NAILS.
3. LODGE POLE PINE TREE STAKES (SIZE PER SPECS.), SET PERPENDICULAR TO PREVAILING WINDS. SEE NOTE 'A'.
4. TREE TRUNK.
5. MULCH.
6. ROOTBALL CROWN TO BE 2" ABOVE SURROUNDING FINISH GRADE.
7. WATERING BASIN DIRECTLY OVER ROOTBALL (OMIT IF IN LAWN).
8. PLANTING MIX BACKFILL.
9. ROOTBALL.
10. ROOTBALL WIDTH, TYP.

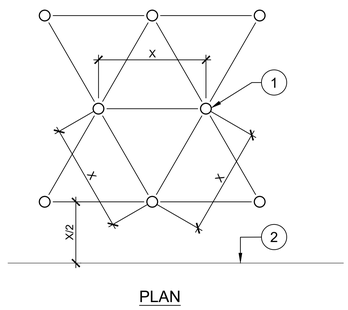
NOTES

A. FOR 15-GALLON SIZE PLANT, PROVIDE 2 STAKES PER TREE. FOR TREES LARGER THAN 15-GALLON SIZE, USE 3 STAKES PER TREE, SPACE EQUIDISTANTLY AROUND TRUNK.

B. SEE SPECS FOR ADDITIONAL INFORMATION.

1 TREE PLANTING DETAIL

NOT TO SCALE



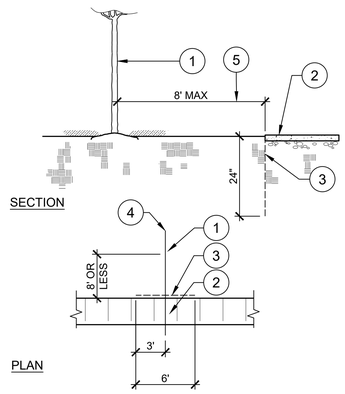
PLAN

LEGEND

1. GROUNDCOVER.
2. EDGE OF PLANTING AREA OR PAVING.

2 GROUNDCOVER SPACING

NOT TO SCALE



SECTION

PLAN

LEGEND

1. TREE TRUNK.
2. ADJACENT PAVING, CURB, CURB AND GUTTER, OR PATH.
3. ROOT BARRIER. SET TOP FLUSH WITH FINISHED GRADE.
4. CENTER LINE OF TREE.
5. IF TREE IS GREATER THAN 8' FROM PAVING, THEN ROOT CONTROL BARRIER IS NOT REQUIRED.

NOTES

A. ROOT BARRIER SHALL BE BY DEEPROOT, WWW.DEEPROOT.COM, MODEL: UB 24-2 OR EQUAL.

3 ROOT BARRIER

NOT TO SCALE

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tanaka
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LICENSED LANDSCAPE ARCHITECT
3199
Expiration / Renewal Date
12/31/26
STATE OF CALIFORNIA

CONSULTANT

PLANTING DETAILS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
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L8.05

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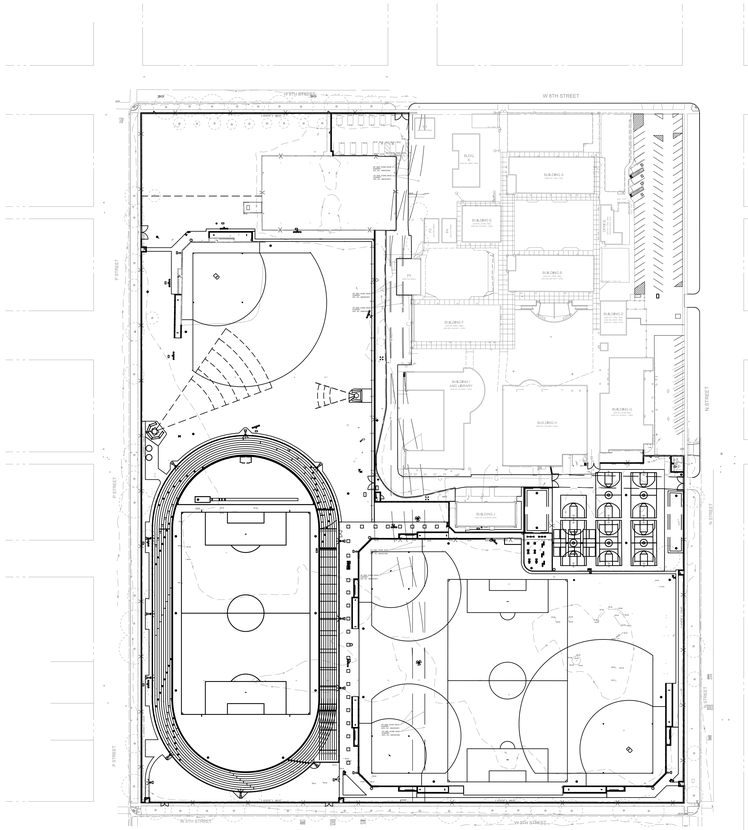
IMPROVEMENT PLANS

FOR

TENAYA MIDDLE SCHOOL SPORTS FIELD RENOVATION

760 W 8TH STREET

MERCED, CALIFORNIA 95341





VICINITY MAP

GENERAL CIVIL NOTES

GENERAL:

1. ALL PERMITS WILL BE SECURED BY THE CONTRACTOR AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH THE CONDITIONS AND REQUIREMENTS OF THE PERMITS.
2. THE CONTRACTOR SHALL TAKE EFFECTIVE ACTION TO PREVENT THE FORMATION OF AN AIRBORNE DUST NUISANCE AND SHALL BE RESPONSIBLE FOR DAMAGE RESULTING FROM THEIR FAILURE TO DO SO.
3. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR SAFETY.
4. THE CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR THE POLICE, FIRE AMBULANCE, AND THOSE AGENCIES RESPONSIBLE FOR MAINTENANCE OF UTILITIES IN THE VICINITY OF THE JOB SITE.
5. LENGTHS OF STORM DRAINS SPECIFIED ARE HORIZONTAL DISTANCES AS MEASURED FROM CENTERS OF STRUCTURES ROUNDED TO THE NEAREST FOOT.
6. EXISTING UNDERGROUND UTILITIES AND IMPROVEMENTS ARE SHOWN IN THEIR APPROXIMATE LOCATIONS BASED UPON RECORD INFORMATION AVAILABLE TO THE ENGINEER AT THE TIME OF PREPARATION OF THESE PLANS. LOCATIONS MAY NOT HAVE BEEN VERIFIED IN THE FIELD AND NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL PERFORM AT THEIR EXPENSE A FIELD OBSERVATION LOCATING ALL EXISTING UTILITIES INCLUDING ELEVATIONS AND NOTIFY THE OWNER AND THE ENGINEER OF ANY CONFLICTS PRIOR TO CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO DETERMINE THE EXISTING LOCATIONS OF UTILITIES SHOWN ON THESE PLANS. ANY ADDITIONAL COST INCURRED AS A RESULT OF THE CONTRACTOR'S FAILURE TO VERIFY LOCATIONS OF THE EXISTING UTILITIES PRIOR TO BEGINNING CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
7. CONTRACTOR TO VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN CONSTRUCTION PRIOR TO ANY WORK. ALL WORK FOR STORM DRAIN INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT. THIS WILL ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UPSTREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY.
8. CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITY AND SEWER LINES WHERE THEY ARE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THAT THERE IS SUFFICIENT CLEARANCE. PIPES SHALL NOT BE STRUNG NOR TRENCHING COMMENCED UNTIL ALL CROSSINGS HAVE BEEN VERIFIED FOR CLEARANCE. IF THE CONTRACTOR FAILS TO FOLLOW THIS PROCEDURE HE WILL BE SOLELY RESPONSIBLE FOR ANY EXTRA WORK OR MATERIAL REQUIRED IF MODIFICATIONS TO THE DESIGN ARE NECESSARY.
9. ALL EXISTING UTILITIES AND IMPROVEMENTS THAT BECOME DAMAGED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED TO THE SATISFACTION OF THE OWNER AT THE CONTRACTOR'S SOLE EXPENSE.
10. CONTRACTOR TO TAKE NECESSARY PRECAUTIONARY MEASURES TO PREVENT SOIL EROSION AND SEDIMENTATION. EXISTING AND PROPOSED DRAINAGE STRUCTURES TO BE TEMPORARILY COVERED WITH FILTER FABRIC OR EQUAL UNTIL SURROUNDING PAVEMENT IS INSTALLED.
11. ANY RELOCATION OF UTILITIES SHALL BE COORDINATED WITH THE OWNER AND CONDUCTED IN ACCORDANCE WITH ANY AND ALL REQUIREMENTS OF THE OWNER, INCLUDING FEES, BONDS. PERMITS AND WORKING CONDITIONS, ETC. THE OWNER SHALL PAY THE FEES, BONDS, AND FILE THE APPROPRIATE PERMITS FOR ALL SUCH RELOCATION WORK. ALL ON- SITE UTILITY WORK IS THE RESPONSIBILITY OF THE CONTRACTOR (MATERIALS AND INSTALLATION).
12. IF ARCHAEOLOGICAL MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER EXCAVATION, EARTHWORK WITHIN 100 FEET OF THESE MATERIALS SHALL BE STOPPED UNTIL A PROFESSIONAL ARCHAEOLOGIST WHO IS CERTIFIED BY THE SOCIETY OF CALIFORNIA ARCHAEOLOGY (SCA) AND/OR THE SOCIETY OF PROFESSIONAL ARCHAEOLOGY (SOPA) HAS HAD AN OPPORTUNITY TO EVALUATE THE SIGNIFICANCE OF THE FIND AND SUGGEST APPROPRIATE MITIGATION MEASURES, IF THEY ARE DEEMED NECESSARY.
13. THESE PLANS DO NOT SPECIFY NOR RECOMMEND THE USE OR INSTALLATION OF ANY MATERIAL OR EQUIPMENT WHICH IS MADE FROM, OR WHICH CONTAINS ASBESTOS FOR USE IN THE CONSTRUCTION OF THESE IMPROVEMENTS. ANY PARTY INSTALLING OR USING SUCH MATERIALS OR EQUIPMENT SHALL BE SOLELY RESPONSIBLE FOR ALL INJURES. DAMAGES, OR LIABILITIES, OF ANY KIND, CAUSED BY THE USE OF SUCH MATERIALS, OR EQUIPMENT. NOTIFY OWNER WHEN DISCOVERING ASBESTOS MATERIALS. REFER TO SPECIFICATION 'HAZARDOUS MATERIALS PROCEDURES AND CONTROL' AND 'HAZARDOUS MATERIALS ABATEMENT AND CONTROL.'
14. THE CONTRACTOR SHALL MEET AND FOLLOW ALL (NPDES) NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM REQUIREMENTS IN EFFECT AT THE TIME OF CONSTRUCTION.
15. SHOULD IT APPEAR THAT THE WORK TO BE DONE OR ANY MATTER RELATIVE THERETO IS NOT SUFFICIENTLY DETAILED OR EXPLAINED ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR SUCH FURTHER EXPLANATIONS AS MAY BE NECESSARY.
16. CONTRACTOR SHALL ARRANGE, INSTALL, AND PAY FOR ANY TEMPORARY UTILITIES, INCLUDING BUT NOT LIMITED TO TELEPHONE, ELECTRIC, SEWER, WATER, ETC.. THE CONTRACTOR IS TO COORDINATE ANY SUCH UTILITY NEEDS WITH THE OWNER.
17. ALL SITE AREAS SHALL BE GRADED AT 1% MINIMUM FOR DRAINAGE UNLESS OTHERWISE NOTED OR ALONG FLOWLINES OF CONCRETE LINED GUTTERS AND VALLEY GUTTERS.
18. ESTIMATED EARTHWORK QUANTITIES SHOWN ARE APPROXIMATE ONLY AND SHOWN FOR THE PURPOSES OF ESTIMATING GRADING PERMIT FEES, HOHBACH-LEWIN ASSUMES NO LIABILITY FOR THE ACCURACY OF THESE QUANTITIES.
19. WHERE EXISTING STRUCTURES ARE TO REMAIN IN CONSTRUCTION ZONE AREA, CONTRACTOR SHALL ADJUST RIMS OF THESE STRUCTURES, I.E. CATCH BASINS, VALVE BOXES, CLEAN OUTS, UTILITY BOXES, ETC. TO NEW FINISH GRADE.
20. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR NORTHERN CALIFORNIA AT LEAST 48 HOURS (2 WORKING DAY) PRIOR TO COMMENCEMENT OF CONSTRUCTION. (800) 227-2600.
21. ALL ORGANIC MATERIAL TO BE STRIPPED SHALL BE OFFHAULED FROM THE SITE BY THE CONTRACTOR.
22. STORM DRAIN PIPES DESIGNATED AS SD FROM 4" TO 24" IN DIAMETER SHALL BE SDR-35 PVC. (GREEN-TITE PIPE BY MANVILLE OR APPROVED EQUAL). CLASS HDPE SMOOTH INTERIOR PIPE PER ASTM D3212 HANCOR SURE-LOK WT PIPE OR APPROVED EQUAL OR DUCTILE IRON PIPE DIP, IF SPECIFIED ON PLANS. NO MATERIAL SUBSTITUTE SHALL BE ALLOWED FOR DUCTILE IRON PIPE. ANY PIPES LARGER THAN 24" IN DIAMETER SHALL BE CLASS III REINFORCED CONCRETE PIPE RCP. PVC PIPE EXCEEDING 24" DIAMETER SHALL ONLY BE USED WHEN APPROVED BY MANUFACTURER IN THIS JURISDICTION.
23. PROPOSED SPOT GRADES (ELEVATIONS) SHOWN HEREON ARE FINISHED PAVEMENT GRADES, NOT TOP OF CURB GRADES, UNLESS NOTED OTHERWISE.
24. THE CONTRACTOR SHALL VERIFY THE CONTENTS AND THICKNESS OF THE BUILDING SLAB SECTION (IE: CONCRETE, SAND, ROCK) WITH THE STRUCTURAL PLANS AND THE ELEVATIONS SHOWN HEREON PRIOR TO COMMENCEMENT OF GRADING.
25. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE O.S.H.A. REGULATIONS.
26. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.
27. WHERE OFF-SITE DRIVEWAY APPROACHES ARE TO BE CONSTRUCTED THE ON-SITE DRIVEWAY SHALL NOT BE CONSTRUCTED UNTIL THE OFF-SITE IMPROVEMENTS ARE INSTALLED. THE ON-SITE DRIVEWAY SHALL CONFORM TO THE COMPLETED OFF-SITE DRIVEWAY.

GRADING NOTES:

1. UNDERGROUND UTILITY LOCATIONS SHOWN HEREON WERE TAKEN FROM RECORD DATA. NO GUARANTEE IS MADE OR IMPLIED AS TO THE ACCURACY OF SUCH RECORD DATA. NO EXCAVATIONS WERE MADE TO CONFIRM LOCATIONS. CONTRACTORS ARE CAUTIONED TO CONTACT U.S.A. UNDERGROUND AND TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.
2. IRRIGATION LATERALS, FIELD WIRING NOT SHOWN. VERIFY LOCATION BEFORE COMMENCING TRENCHING. REPLACE OR REPAIR IMMEDIATELY WHERE BROKEN TO PROVIDE UNINTERRUPTED SERVICE.
3. ALL FINISH GRADES SHOWN ARE FINISH GRADE ELEVATIONS UNLESS NOTED OTHERWISE.

CUT/FILL

NAME	TYPE	CUT FACTOR	FILL FACTOR	2D AREA (SQ. FT.)	CUT (CU. YD.)	FILL (CU. YD.)	NET (CU. YD.)
EARTHWORK	FULL	1.00	1.00	576999.38	7943.26	2864.53	5078.74 <CUT>

LEGEND

BOUNDARY LINES

- CENTER LINE
- EASEMENT LINE
- PROPERTY LINE
- ADJACENT PROPERTY LINE

MISCELLANEOUS LINES

- SIDEWALK
- LIP OF GUTTER
- EXISTING CHAIN LINK FENCE
- CHAIN LINK FENCE
- 8' METAL FENCE
- 6' METAL FENCE
- SPORTS FIELD LIGHT POLE
- LOW LEVER LIGHT POLE

UTILITY LINES

- E — ELECTRIC
- FO — FIBER OPTIC
- FS — FIRE SERVICE
- G — GAS LINE
- IRR — IRRIGATION LINE
- JT — JOINT TRENCH
- NG — NITROGEN GAS
- OH — OVERHEAD
- RW — RECYCLED WATER
- STORM DRAIN
- SS — SANITARY SEWER
- T — TELEPHONE
- W — WATER

UTILITY LEGEND

- FIRE HYDRANT
- WATER VALVE
- WATER METER
- STORM DRAIN MANHOLE
- BACKFLOW PREVENTER
- CATCH BASIN
- AREA DRAIN
- CLEANOUT TO GRADE
- FIRE DEPARTMENT CONNECTION

ABBREVIATIONS

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
ATT	AT&T
BC	BACK OF CURB
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BOL	BOLLARD
BOW	BACK OF WALK
BW	BOTTOM OF WALL
BW/FS	BOTTOM OF WALL/FINISHED SURFACE
C	CONCRETE
CATV	CABLE TV
CB	CATCH BASIN
CONC	CONCRETE
COTG	CLEANOUT TO GRADE
DI	DRAIN INLET
DS	DOWN SPOUT
E	ELECTRIC OR EAST
EW	EACH WAY
EX	EXISTING
(E)	EXISTING
ELEC	ELECTRIC
ESMT	EASEMENT
G	GAS
GB	GRADE BREAK
FF	FINISHED FLOOR
FG	FINISHED GRADE
FL	FLOWLINE
FM	FORCE MAIN
FNC	FENCE
FS	FINISHED SURFACE
GRN	GROUND
HP	HIGH POINT
INV	INVERT
JP	JOINT POLE
LF	LINEAR FEET
LIP	LIP OF GUTTER
LT	LIGHT
M	MAPS
N	NORTH
NE	NORTHEAST
NTS	NOT TO SCALE
NW	NORTHWEST
OC	ON CENTER
OH	OVERHEAD
OR	OF RECORD
PERF	PERFORATED PIPE
PGE	PACIFIC GAS & ELECTRIC
POC	POINT OF CONNECTION
PV	PAVEMENT
RC	RELATIVE COMPACTION
RW	RECYCLED WATER
RIM	RIM OF UTILITY OBJECT
S	SOUTH
SD	STORMDRAIN
SE	SOUTHEAST
SJWC	SAN JOSE WATER COMPANY
SS	SANITARY SEWER
SL	STREET LIGHT
SW	SOUTHWEST
T	TREE
TC	TOP OF CURB
TW	TOP OF WALL
TW/FS	TOP OF WALL/FINISHED SURFACE
TYP.	TYPICAL
UON	UNLESS OTHERWISE NOTED
USA	UNDERGROUND SERVICE ALERT
VG	VALLEY GUTTER
W	WATER/WEST/WITH
WM	WATER METER
WTR	WATER
WV	WATER VALVE

GENERAL NOTES CONTINUATION

UTILITY NOTES:

1. THIS SURVEY IS NOT INTENDED TO REPRESENT THE EXACT LOCATIONS, SIZES OR EXTENT OF THE UTILITIES WITHIN THE AREA ENCOMPASSED BY THIS SURVEY. THEREFORE, IT IS THE RESPONSIBILITY OF THE OWNER AND/OR CONTRACTOR TO VERIFY THE LOCATION, SIZE AND EXTENT OF ANY EXISTING UTILITIES PRIOR TO DESIGN OR CONSTRUCTION. CONTRACTORS ARE CAUTIONED TO CONTACT U.S.A. UNDERGROUND AND TO EXERCISE EXTREME CARE IN VERIFYING ALL LOCATIONS PRIOR TO COMMENCING EXCAVATIONS OR OTHER WORK WHICH MAY AFFECT THESE UTILITIES.
2. IRRIGATION LATERALS, FIELD LIGHTING WIRING NOT SHOWN. VERIFY LOCATION BEFORE COMMENCING TRENCHING. REPLACE OR REPAIR IMMEDIATELY WHERE BROKEN TO PROVIDE UNINTERRUPTED SERVICE.
3. UTILITY ABANDONMENT/REMOVAL: DISCONNECT AND CAP PIPES AND SERVICES TO REMAIN. REMOVE ALL PORTIONS OF ALL UTILITIES WITHIN NEW BUILDING FOOTPRINT AND DISPOSE OF OFF-SITE. OTHERWISE ABANDON IN PLACE UNLESS NOTED OTHERWISE.
4. NOTIFY THE ENGINEER IMMEDIATELY OF ANY UTILITIES ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS. PRESERVE AND REPAIR ANY UTILITIES THAT ARE DAMAGED AND THAT ARE TO REMAIN.
5. CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL CROSSINGS OF NEW UTILITIES WITH EACH OTHER, AND WITH EXISTING UTILITIES. VERIFY EXISTING PIPE LOCATION AND INVERT PRIOR TO INSTALLING NEW UTILITIES. NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES OR DEVIATIONS.
6. PRIOR TO CONNECTING TO EXISTING UTILITIES FIELD VERIFY LOCATION & INVERT OR DEPTH PRIOR TO INSTALLING NEW PIPE OR EQUIPMENT.
7. EACH BUILDING WATER SERVICE CONNECTION SHALL BE WITH VALVE AND VALVE BOX SET AT GRADE.
8. ALL BUILDING SEWER LATERALS SHALL BE WITH CLEANOUT TO GRADE.
9. ALL CATCH BASINS WITHIN VEHICULAR AREAS SHALL BE TRAFFIC RATED FOR H20 VEHICULAR LOADS. FOR CATCH BASINS IN WALKWAY AREAS, INCLUDING EXISTING CATCH BASINS, USE HEEL PROOF AND ADA GRATE.
10. REFER TO THE LANDSCAPE PLANS FOR BASE BID AND ALTERNATE BID ITEMS.

ADA COMPLIANCE:

1. ALL NEW WORK SHALL CONFORM TO TITLE 24 OF THE CALIFORNIA ADMINISTRATIVE CODE AND THE AMERICANS WITH DISABILITIES ACT 2010 ADA STANDARDS FOR ACCESSIBLE DESIGN, AND ANY LOCAL OR STATE AMENDMENTS THEREOF.
2. ALL NEW CURB RAMPS SHALL NOT EXCEED A SLOPE OF 1:12 (8.33%).
3. ALL NEW ENTRANCE WALKS TO THE BUILDINGS SHALL NOT EXCEED A SLOPE OF 1:20 (5%) LONGITUDINALLY UNLESS RAILINGS ARE PROVIDED IN WHICH CASE THE SLOPE SHALL NOT EXCEED 1:12 (8.33%). SEE ARCHITECTURAL PLANS FOR RAILING REQUIREMENTS.
4. LANDINGS SHALL BE PROVIDED AT PRIMARY ENTRANCES TO BUILDINGS WITH A 2% MAXIMUM SLOPE THE LANDINGS SHALL HAVE A MINIMUM WIDTH OF 60" AND A MINIMUM DEPTH OF 60" WHEN THE DOOR OPENS INTO THE BUILDING, AND 42" PLUS THE WIDTH OF THE DOOR WHEN THE DOOR OPENS ONTO THE LANDING.
5. RAMPS ARE DEFINED AS ANY WALKWAY BETWEEN SLOPES OF 1:20 (5%) AND 1:12 (8.33%), AND SHALL HAVE A MINIMUM WIDTH OF 48" AND A MAXIMUM CROSS-SLOPE OF 2%. RAMPS EXCEEDING 30" VERTICAL DROP SHALL HAVE INTERMEDIATE (2% MAXIMUM SLOPE) LANDINGS HAVING A MINIMUM LENGTH IN THE DIRECTION OF TRAVEL OF 60". BOTTOM LANDINGS AND LANDINGS AT CHANGES IN RAMP DIRECTION SHALL HAVE A MINIMUM LENGTH OF 72".
6. MAXIMUM CROSS-SLOPE ON ANY SIDEWALK OR RAMP SHALL BE 2%. MAXIMUM SLOPE IN ANY DIRECTION WITHIN PARKING STALLS DESIGNATED AS ACCESSIBLE PARKING STALL SHALL BE 2%.

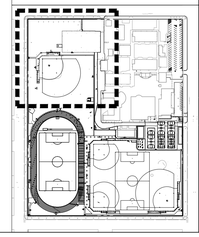
GEOTECHNICAL CRITERIA:

1. ALL WORK INCLUDING GRADING, TRENCHING, COMPACTION, AND SUBBASES SHALL FOLLOW THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL REPORT.
2. ALL ENGINEERED FILL SHALL HAVE A MINIMUM RELATIVE COMPACTION PER PROJECT GEOTECHNICAL REPORT.

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KEY PLAN



CALL BEFORE YOU DIG 811 800-227-2600

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER ANDREW E. ARNOLD No. C 66532 Exp. 06-30-26 CIVIL STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
571 EXECUTIVE CENTRE WAY
260 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 617-0500

100% CONSTRUCTION DOCUMENTS

COVER SHEET

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO. C1.0

Plot Date: Apr 24, 2026 - 9:26 AM

HOHBACH-LEWIN #: 18782.31

CAUTION:

1. THE LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THIS PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. (A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES). CONTRACTOR SHALL VERIFY LOCATION AND DEPTH PRIOR TO ANY EXCAVATION OR IMPROVEMENT.
2. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION-PHONE (800) 642-2444. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES PRIOR TO BEGINNING ANY WORK ON THIS SITE.
3. THESE DRAWINGS DO NOT ADDRESS CONTRACTOR MEANS, METHODS OR PROCESSES THAT MAY BE ASSOCIATED WITH ANY TOXIC SOILS IF FOUND ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY AND COUNTY STANDARDS AND APPROPRIATE REGULATIONS IF TOXIC SOILS ARE ENCOUNTERED. CONTRACTOR MUST NOTIFY THE OWNER'S PROJECT MANAGER IMMEDIATELY IF ANY SOILS ARE EVEN SUSPECTED OF BEING CONTAMINATED.

GENERAL SITE NOTES:

1. ALL WORK IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.
2. PRIOR TO BEGINNING WORK, AND AFTER INITIAL HORIZONTAL CONTROL STAKING, CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES GREATER THAN 0.05' TO OWNER'S PROJECT MANAGER.
3. DAMAGE, IF CAUSED BY THE CONTRACTOR, TO ANY EXISTING SITE IMPROVEMENTS, UTILITIES AND/OR SERVICES TO REMAIN SHALL BE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE IN KIND.
4. CONTRACTOR SHALL REPLACE ALL STRUCTURES AND GRATE LIDS FOR VAULTS, CATCH BASINS, ETC.., WITH VEHICULAR-RATED STRUCTURES IN ALL TRAFFIC ACCESSIBLE AREAS.
5. CONTRACTOR SHALL MAINTAIN THE EXISTING SITE IN A SAFE AND USABLE MANNER SUCH THAT EMERGENCY VEHICLE ACCESS IS AVAILABLE AT ALL TIMES. CONTRACTOR TO SUPPLY, INSTALL AND MAINTAIN ALL NECESSARY FENCING, GATES, SIGNAGE, TEMPORARY WALKWAYS, AND PROVISIONS FOR ENSURING THE PROJECT'S SECURITY AND SAFE PASSAGEWAY AROUND IT BY CAMPUS STAFF, STUDENTS AND VISITORS AT ALL TIMES.
6. CONTRACTOR TO BE RESPONSIBLE FOR OBTAINING ALL NECESSARY & REQUIRED PERMITS FOR THIS WORK.
7. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING APPROVAL FROM OAR PERSONNEL AND PROJECT ARCHITECT FOR THE LOCATION OF ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAY DOWN AREAS.
8. CONSTRUCTION HOURS TO BE VERIFIED AND APPROVED BY OAR AND LOCAL AGENCIES.
9. IF ARCHEOLOGICAL MATERIALS ARE UNCOVERED DURING GRADING, TRENCHING OR OTHER ON-SITE EXCAVATION, ALL WORK ON THE SITE SHALL BE STOPPED AND THE OAR IMMEDIATELY NOTIFIED. THE COUNTY CORONER & THE NATIVE AMERICAN HERITAGE COMMISSION SHALL ALSO BE NOTIFIED AND PROCEDURES FOLLOWED AS REQUIRED IN APPENDIX "K" OF THE CALIFORNIA ENVIRONMENTAL ACT.
10. CONTRACTOR TO COORDINATE WITH OAR AND ENSURE HIS/HER WORK DOES NOT IMPACT SCHOOL OPERATION AND TRAFFIC CIRCULATION OF BUSSES, EMERGENCY VEHICLES, STAFF AND STUDENT VEHICLES.

SITE MAINTENANCE:

1. CONTRACTOR SHALL: GATHER ALL CONSTRUCTION DEBRIS ON A REGULAR BASIS AND PLACE IT IN A DUMPSTER OR OTHER CONTAINER WHICH IS EMPTIED OR REMOVED ON A REGULAR BASIS. WHEN APPROPRIATE, USE TARPS ON THE GROUND TO COLLECT FALLEN DEBRIS OR SPLATTERS THAT COULD CONTRIBUTE TO STORM WATER RUNOFF POLLUTION.
2. REMOVE ALL DIRT, GRAVEL, RUBBISH, REFUSE, AND GREEN WASTE FROM STREET PAVEMENT AND STORM DRAINS ADJOINING THE SITE. LIMIT CONSTRUCTION ACCESS ROUTES ONTO THE SITE AND PLACE GRAVEL PADS AT THESE LOCATIONS. DO NOT DRIVE VEHICLES AND EQUIPMENT OFF THE PAVED OR GRAVELED AREAS DURING WET WEATHER.
3. SWEEP OR VACUUM THE STREET PAVEMENT AND SIDEWALKS ADJOINING THE PROJECT SITE AND THE ON-SITE PAVED AREAS ON A DAILY BASIS. SCRAPE CAKED-ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING. CORNERS AND HARD TO REACH AREAS SHALL BE SWEPT MANUALLY.
4. IF THE STREETS, SIDEWALKS AND/OR PARKING LOT ARE PRESSURE WASHED, DEBRIS MUST BE TRAPPED AND COLLECTED TO PREVENT ENTRY INTO THE STORM DRAIN SYSTEM. NO CLEANING AGENT MAY BE DISCHARGED INTO THE STORM DRAIN. IF ANY CLEANING AGENT OR DEGREASER IS USED, WASH WATER MUST BE COLLECTED AND DISCHARGED TO THE SANITARY SEWER, SUBJECT TO THE APPROVAL OF THE OWNER'S PROJECT MANAGER, OR OTHERWISE DISPOSED OF THROUGH APPROVED DISPOSAL METHODS.
5. CREATE A CONTAINED AND COVERED AREA ON THE SITE FOR THE STORAGE OF BAGS, CEMENT, PAINTS, OILS, FERTILIZERS, PESTICIDES, OR OTHER MATERIALS USED ON THE SITE THAT HAVE THE POTENTIAL OF BEING DISCHARGED INTO THE STORM DRAIN SYSTEM THROUGH EITHER BEING WIND-BLOWN OR IN THE EVENT OF A MATERIAL SPILL.
6. NEVER CLEAN MACHINERY, EQUIPMENT OR TOOLS INTO A STREET, GUTTER OR STORM DRAIN.
7. ENSURE THAT CEMENT TRUCKS, PAINTERS, OR STUCCO/PLASTER FINISHING CONTRACTORS DO NOT DISCHARGE WASH WATER FROM EQUIPMENT, TOOLS OR RINSE CONTAINERS INTO GUTTERS OR DRAINS.
8. PREVENT DUST FROM LEAVING THE SITE AND ACCUMULATING ON ADJACENT AREAS AS REQUIRED IN THE DUST CONTROL NOTES ON THIS SHEET.
9. PREVENT SEDIMENT LADEN STORM RUN-OFF FROM LEAVING THE SITE OR ENTERING STORM DRAIN OR SANITARY SEWER SYSTEMS AS REQUIRED IN THE EROSION AND SEDIMENTATION CONTROL NOTES ON THIS SHEET.
10. MAINTAIN EXISTING TREES AND PLANTS THAT ARE TO REMAIN AS REQUIRED BY THE TREE AND PLANT PROTECTION NOTES ON THIS SHEET.

DUST CONTROL:

1. WATER TRUCKS SHALL BE PRESENT AND IN USE AT THE CONSTRUCTION SITE. ALL PORTIONS OF THE SITE SUBJECT TO BLOWING DUST SHALL BE WATERED AS OFTEN AS DEEMED NECESSARY BY THE APPROPRIATE GOVERNMENTAL AGENCY IN ORDER TO ENSURE PROPER CONTROL OF BLOWING DUST FOR THE DURATION OF THE PROJECT.
2. WATERING ASSOCIATED WITH ON-SITE CONSTRUCTION ACTIVITY SHALL TAKE PLACE BETWEEN THE ESTABLISHED CONSTRUCTION HOURS AND SHALL INCLUDE AT LEAST ONE LATE-AFTERNOON WATERING TO MINIMIZE THE EFFECTS OF BLOWING DUST.
3. ALL PUBLIC STREETS AND MEDIANS SOILED OR LITTERED DUE TO THIS CONSTRUCTION ACTIVITY SHALL BE CLEANED AND SWEPT ON A DAILY BASIS DURING THE WORK WEEK, OR AS OFTEN AS DEEMED NECESSARY BY THE OWNER'S ENGINEER/INSPECTOR, TO THE SATISFACTION OF THE CITY'S DEPARTMENT OF PUBLIC WORKS.
4. WATERING ON PUBLIC STREETS OR POWER WASHING SEDIMENTATION ON STREETS SHALL NOT OCCUR, UNLESS CONTRACTOR COLLECTS AND FILTERS THE WASH WATER PRIOR TO ITS ENTERING THE CITY'S STORM DRAIN SYSTEM.
5. ON-SITE PAVED ACCESS ROADS, PARKING AREAS, AND STAGING AREAS SHALL BE SWEPT DAILY WITH A WATER SWEEPER.
6. ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH TARPAULINS OR OTHER EFFECTIVE COVERS.
7. THE SPEED OF ALL VEHICLES DRIVING ON UNPAVED ROADS OR PORTIONS OF THE SITE SHALL BE LIMITED TO 10 MPH.

EROSION AND SEDIMENTATION CONTROL NOTES:

1. EROSION CONTROL MEASURES ARE INTENDED TO PREVENT SEDIMENT AND DEBRIS FROM ENTERING THE CITY, COUNTY STORM DRAIN SYSTEM, SANITARY SEWER SYSTEM OR FROM LEAVING THE SITE. THE CONTRACTOR SHALL MAKE ADJUSTMENTS IN THE FIELD TO MAKE SURE THAT THIS CONCEPT IS CARRIED OUT.
2. EROSION CONTROL FACILITIES AND MEASURES ARE TO BE INSTALLED AND OPERABLE BY OCTOBER 1st AND SHALL CONTINUE IN EFFECT UNTIL DISTURBED AREAS ARE STABILIZED OR UNTIL INSTALLATION OF THE PERMANENT SITE IMPROVEMENTS.
3. CONTRACTOR SHALL ASSUME THE CONCEPTS ON THE EROSION CONTROL PLAN, C5.1-C5.6, ARE SCHEMATIC MINIMUM REQUIREMENTS, THE FULL EXTENT OF WHICH ARE TO BE DETERMINED BY THE CONTRACTOR. CONTRACTOR IS RESPONSIBLE FOR THE EXACT DESIGN AND EXTENT OF THE EROSION CONTROL SYSTEM SO THAT IT WORKS WITH THE CONTRACTOR'S INTENDED USE AND MANAGEMENT OF THE CONSTRUCTION SITE, AND IS APPROVAL BY THE APPROPRIATE GOVERNMENTAL AGENCIES.
4. ALL EROSION CONTROL FACILITIES SHALL BE INSPECTED BY THE CONTRACTOR AND REPAIRED, AS REQUIRED, AT THE CONCLUSION OF EACH WORKING DAY DURING THE RAINY SEASON. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL FACILITIES AND MAKE NECESSARY REPAIRS PRIOR TO ANTICIPATED STORMS AND AT REASONABLE INTERVALS DURING STORMS OF EXTENDED DURATION. REPAIRS TO DAMAGED FACILITIES SHALL BE MADE IMMEDIATELY UPON DISCOVERY.
5. AS SOON AS PRACTICAL FOLLOWING EACH STORM, THE CONTRACTOR SHALL REMOVE ANY ACCUMULATION OF SILT OR DEBRIS FROM THE EROSION CONTROL SEDIMENT BASINS AND SHALL CLEAR THE OUTLET PIPES OF ANY BLOCKAGE.
6. PROVISION SHALL BE MADE TO ASSURE THAT BORROW AREAS AND STOCK PILED SOILS ARE PROTECTED FROM EROSION WITH EROSION CONTROL MEASURES SATISFACTORY TO THE APPROPRIATE GOVERNMENTAL AGENCIES.
7. ALL STOCKPILE MATERIALS SHALL BE COVERED AND PROTECTED FROM THE ELEMENTS WITH A NON-PERMEABLE PLASTIC MEMBRANE SO AS TO PREVENT SOIL EROSION FROM OCCURRING. THIS COVER SHALL BE SECURED WITH ANCHORS OR WEIGHTS OF SUFFICIENT SIZE AND FREQUENCY TO PREVENT DISRUPTION OR REMOVAL BY WIND OR RAIN. ANCHORAGE AT THE BASE OF THE SLOPE SHALL BE AS INDICATED BY DETAIL ON THIS SHEET. ALL MEMBRANE AND COVERINGS SHALL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR OR HIS REPRESENTATIVE ON A FREQUENT AND REGULAR BASIS. SPECIFICALLY BEFORE AND AFTER ANY INCLEMENT WEATHER, WITH ANY NECESSARY REPAIRS BEING IMMEDIATELY PERFORMED. COVERINGS SHALL REMAIN IN PLACE UNTIL THE STOCKPILE(S) IS READY TO BE REMOVED FROM THE SITE, AT WHICH TIME THEY MAY BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.
8. EARTHEN BERMS, STRAW-FIBER FILLED TUBES AND/OR GEOTEXTILE FABRIC BARRIER (SILT FENCING) SHALL BE CONSTRUCTED AS SHOWN TO PREVENT OFF-FLOW OF SEDIMENT-LADEN RUNOFF, OR THE EROSION OF BANKS OR ROADWAYS. ALL SUCH TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED BY THE CONTRACTOR AS SOON AS CONSTRUCTION IS COMPLETED AND VEGETATION IS ESTABLISHED. HAY BALES SHALL NOT BE USED.
9. ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS, SWEPT ON A REGULAR BASIS, TO THE SATISFACTION OF THE ON-SITE INSPECTORS.
10. SWEEP OR VACUUM THE STREET PAVEMENT AND SIDEWALKS ADJOINING THE PROJECT SITE AND THE ON-SITE PAVED AREAS ON A DAILY BASIS OR AS REQUIRED BY THE CITY. SCRAPE CAKED-ON MUD AND DIRT FROM THESE AREAS BEFORE SWEEPING. CORNERS AND HARD TO REACH AREAS SHALL BE SWEPT MANUALLY.
11. CONTRACTOR RESPONSIBLE FOR EROSION CONTROL IMPLEMENTATION, TO BE DETERMINED.
12. WHEEL WASHERS SHALL BE INSTALLED AND USED TO CLEAN ALL TRUCKS AND EQUIPMENT LEAVING THE CONSTRUCTION SITE. IF WHEEL WASHERS CANNOT BE INSTALLED, TIRES OR TRACKS OF ALL TRUCKS AND EQUIPMENT SHALL BE WASHED OFF BEFORE LEAVING THE CONSTRUCTION SITE.

TREE/PLANT PROTECTION NOTES:

1. PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY, CONFIRM WITH OWNER AND PROTECT EXISTING TREES AND PLANTS DESIGNATED AS TO REMAIN.
2. PROVIDE 6 FOOT TALL TREE PROTECTION FENCE WITH DISTINCTIVE MARKING VISIBLE TO CONSTRUCTION EQUIPMENT, ENCLOSING DRIP LINES OF TREES DESIGNATED TO REMAIN.
3. WORK REQUIRED WITHIN FENCE LINE SHALL BE HELD TO A MINIMUM, AVOID UNNECESSARY MOVEMENT OF HEAVY EQUIPMENT WITHIN FENCED AREA AND DO NOT PARK ANY VEHICLES UNDER DRIP LINE OF TREES. DO NOT STORE EQUIPMENT OR MATERIALS WITHIN FENCE LINE.
4. PRIOR TO REMOVING ROOTS AND BRANCHES LARGER THAN 2" IN DIAMETER OF TREES OR PLANTS THAT ARE TO REMAIN, CONSULT WITH THE OWNER'S PROJECT MANAGER.
5. ANY GRADE CHANGES GREATER THAN 6" WITHIN THE DRIPLINE OF EXISTING TREES SHALL NOT BE MADE WITHOUT FIRST CONSULTING THE LANDSCAPE ARCHITECT / CIVIL ENGINEER.
6. PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL, MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIAL; AS WELL AS FROM PUDDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR, STOP WORK IN THAT AREA AND CONTACT THE CITY'S ENGINEER / INSPECTOR IMMEDIATELY. CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP.
7. PROVIDE TEMPORARY IRRIGATION TO ALL TREES AND PLANTS THAT ARE IN OR ADJACENT TO CONSTRUCTION AREAS WHERE EXISTING IRRIGATION SYSTEMS MAY BE AFFECTED BY THE CONSTRUCTION. ALSO PROVIDE TEMPORARY IRRIGATION TO RELOCATED TREES.
8. CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES DESIGNATED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES THAT DIE DUE TO LACK OF MAINTENANCE.
9. CONSULT WITH LANDSCAPE ARCHITECT SHOULD SPECIAL CIRCUMSTANCES ARISE OR QUESTIONS ARISE REGARDING THESE PROCEDURES.

DEMOLITION NOTES :

1. DEMOLITION AND CONSTRUCTION WORK MAY BE PERFORMED OVER THE TOP OF AND AROUND TELEPHONE AND POWER SERVICES. CONTRACTOR SHALL WORK BY HAND IN ALL AREAS WHERE THESE SERVICES MIGHT BE HARMED BY LARGER LESS PRECISE EQUIPMENT.
2. THE CONTRACTOR SHALL LOCATE AND CLEARLY MARK (AND THEN PRESERVE THESE MARKERS) FOR THE DURATION OF CONSTRUCTION OF ALL TELEPHONE, DATA, STREET LIGHT, SIGNAL LIGHT AND POWER FACILITIES THAT ARE IN OR NEAR THE AREA OF CONSTRUCTION.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE DEMOLITION WORK.
5. CONTRACTOR SHALL PAY DISPOSAL FEES.
6. BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION OF FOUNDATIONS & UTILITIES TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
7. WITHIN LIMITS OF WORK, REMOVE CURBS, GUTTERS, LANDSCAPING, SIGNAGE, TREES, SHRUBS, ASPHALT, UNDERGROUND PIPES, ETC. AS INDICATED ON THE DRAWINGS.
8. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
9. PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES OUTLINED IN THE EROSION CONTROL PLAN & DETAILS.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING ALL DEMOLITION MATERIALS, OR STORING SELECTED ITEMS BY OWNER'S REPRESENTATIVE AT DESIGNATED LOCATIONS.
11. ABANDONED UTILITIES WITHIN 6 FEET OF THE PROPOSED BUILDING FOOTPRINT SHOULD BE REMOVED IN THEIR ENTIRETY. UTILITIES OUTSIDE THE BUILDING AREA SHOULD BE REMOVED OR ABANDONED IN-PLACE BY LOCATING AND PLUGGING ALL LATERALS AND ENDS OF PIPES WITH CONCRETE, AND THEN FILLING THE ENTIRE PIPE WITH GROUT. REMOVAL OF ANY UTILITIES WILL REQUIRE THAT ALL TRENCHES BE BACKFILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION VALUES.

SITE FENCING NOTES :

1. CONTRACTOR SHALL PROVIDE A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING, STORAGE, CONSTRUCTION OFFICE AND LAYDOWN AREAS.
2. FENCE LOCATION MAY BE ADJUSTED FROM TIME TO TIME AS CONSTRUCTION PROCEEDS TO EXCLUDE SOME AREAS WHERE CONSTRUCTION WORK IS NOT BEING DONE AND THE AREA IS NOT OBJECTIONABLE IN VISUAL APPEARANCE, AT THE DISCRETION AND APPROVAL OF THE OAR.
3. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6 FEET HIGH GALVANIZED CHAIN LINK.
4. CONSTRUCTION FENCE ADDRESSED IN THESE NOTES IS TO MEET MINIMUM SEPARATION REQUIREMENTS FROM CONSTRUCTION SITE AND THE CAMPUS. CONTRACTOR IS REQUIRED TO INSTALL ANY ADDITIONAL FENCING, BARRICADES OR OTHER SAFETY DEVICES NEEDED TO KEEP THE SITE SECURE & SAFE AT ALL TIMES.
5. ALL FENCING SHALL BE INSTALLED AT ONLY LOCATIONS DESIGNATED AND APPROVED BY OAR, WITH PARTICULAR CARE GIVEN SUCH THAT THE FENCING DOES NOT CREATE A TRAFFIC HAZARD OR NUISANCE, OR RESTRICT CAMPUS CIRCULATION & FIRE EXITING.

GRADING & EARTHWORK NOTES:

1. ALL PAVED AREAS ARE TO SLOPE A MINIMUM OF 1%. ACCESSIBLE STALLS AND LOADING ZONES ARE TO SLOPE AT A MAXIMUM OF 2% IN ANY DIRECTION AND ACCESSIBLE PATHWAYS ARE TO SLOPE AT A MAXIMUM OF 8.33%, WITH A MAXIMUM CROSS-SLOPE OF 2%. ANY AREAS ON THE SITE NOT CONFORMING TO THESE BASIC RULES DUE TO EXISTING CONDITIONS OR DISCREPANCIES IN THE DOCUMENTS ARE TO BE REPORTED TO THE ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH FORMWORK FOR CURBS AND/OR FLATWORK.
2. CONTRACTOR SHALL DETERMINE EARTHWORK QUANTITIES BASED ON THE TOPOGRAPHIC SURVEY, THE SOILS INVESTIGATION AND THE PROPOSED SURFACE GRADES AND BASE THE BID ACCORDINGLY. ANY DIFFERENCES BETWEEN THE STATE IN WHICH THE PROJECT SITE IS DELIVERED TO THE CONTRACTOR AND THESE DOCUMENTS SHOULD BE NOTED TO THE CIVIL ENGINEER.
3. ALL FILL SHALL BE COMPACTED PER THE PAVEMENT PLANS AND GEOTECHNICAL REPORT AND THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE OWNER'S TESTING AGENCY TO TAKE THE APPROPRIATE TESTS TO VERIFY COMPACTION VALUES.
4. IMPORT SOILS MUST MEET THE REQUIREMENTS OF THE GEOTECHNICAL REPORT AND CONSTRUCTION SPECIFICATIONS.
5. COORDINATE THE PLACEMENT OF ALL SLEEVES FOR LANDSCAPE IRRIGATION (WATER AND CONTROL WIRING) AND LIGHTING PRIOR TO THE PLACEMENT OF ANY ASPHALT, BASEROCK OR CONCRETE SURFACING. SEE LANDSCAPE AND SITE ELECTRICAL DRAWINGS.
6. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF ARCHITECT & ENGINEER.
7. SPOT ELEVATIONS ARE TO FINISHED SURFACE.
8. TOP OF CONCRETE CURBS ARE 0.50' ABOVE TOP OF PAVING ELEVATIONS, U.N.O.
9. ROUGH GRADING TO BE WITHIN 0.1' AND FINISH GRADES ARE TO BE WITHIN 0.05'.
10. SUBGRADES SHALL BE PROOF ROLLED, OR AS INSTRUCTED PER THE CONSTRUCTION SPECIFICATIONS.
11. AFTER STAKING FOR HORIZONTAL CONTROL CONTRACTOR SHALL FIELD CHECK ALL ELEVATIONS MARKED WITH (E) AND REPORT ANY DISCREPANCIES GREATER THAN 0.05' TO ARCH/ENGR.
12. ALL EXISTING UTILITY STRUCTURES WITHIN THE AREA OF WORK SHALL HAVE THE LIDS, GRATES, COVERS, ETC. ADJUSTED TO BE FLUSH WITH FINISHED GRADES. CONTRACTOR SHALL IDENTIFY ALL SUCH ITEMS BY USE OF THESE PLANS AND THOROUGH FIELD INVESTIGATION.
13. GEOTECHNICAL CONSULTANT TO BE NOTIFIED OF DELIVERY OF ALL IMPORTED SOILS TO SITE FOR HIS/HER INSPECTION AND APPROVAL PRIOR TO PLACING BY CONTRACTOR.

EARTHWORK QUANTITY NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR DETERMINING THE QUANTITIES OF ALL FORMS OF EARTHWORK ON THIS PROJECT AND BASING THE BID ON THOSE QUANTITIES WITH FULL KNOWLEDGE THAT ADDITIONAL PROCESSES - INCLUDING ENGINEERING - AND QUANTITIES ARE ALSO TO BE INCLUDED IN THE BID PER THE FOLLOWING NOTES.
2. THE CONTRACTOR SHALL MAKE AN INITIAL DETERMINATION OF THE QUANTITIES, BASED ON A DETAILED SITE VISIT, THE TOPOGRAPHIC SURVEY, THE GEOTECHNICAL REPORT, THE FINISH GRADES SHOWN ON THESE DRAWINGS, THE SIZE AND EXTENT OF FOOTINGS, THE PREPARATION AND MATERIALS USED FOR BUILDING SLABS, PAVEMENT SECTIONS, AND THE SIZE AND DEPTH OF UTILITY TRENCHES, INCLUDING THE UTILITY CONTRACTORS ANTICIPATED RE-USE OF EXISTING MATERIAL FOR BACKFILL IF ANY.
3. THE CONTRACTOR SHALL MEET THE GRADES SHOWN ON THE DRAWINGS, ADJUSTING THE AMOUNT OF IMPORT OR EXPORT AS REQUIRED TO DO SO. NO ASSUMPTIONS SHOULD BE MADE ABOUT THE SITE BALANCING. NO ADJUSTMENTS TO THE GRADES SHALL BE PERMITTED UNLESS SPECIFICALLY APPROVED BY THE ARCH/ENGR IN WRITING AFTER THE IMPACT OF ANY GRADE CHANGES (IMPACT TO RAMPS, STAIRS, WORK BY OTHERS, ETC.) HAS BEEN THOROUGHLY REVIEWED BY THE ARCH/ENGR. WHEN PREPARING THE EARTHWORK BIDS, DO NOT ASSUME ANY CHANGES TO THE FINISHED GRADES SHOWN ON THESE DRAWINGS WILL BE PERMITTED.
4. THE EARTHWORK SPECIFICATIONS AND GEOTECHNICAL REPORT HAVE SPECIFIC REQUIREMENTS FOR BRINGING FILL MATERIAL ONTO THE SITE (IMPORT) SINCE THE EXISTING SOILS ARE NOT SUITABLE FOR FILL MATERIAL IN CERTAIN AREAS. THE EARTHWORK SPECIFICATIONS AND GEOTECHNICAL REPORT MAY IDENTIFY ALTERNATIVES THAT ALLOW TREATMENT OF EXISTING SOILS TO MINIMIZE IMPORT, HOWEVER MEETING THE GRADES SHOWN ON THESE DRAWINGS MUST ALSO BE CONSIDERED WHEN DETERMINING THE METHOD.
5. AFTER THE BID IS AWARDED THE CONTRACTOR SHALL SUBMIT A DETAILED EARTHWORK HANDLING PLAN THAT SHOWS THE INTENT AND LOCATIONS OF EARTH MOVEMENT AND QUANTITIES OF CUT, FILL, IMPORT AND EXPORT AS THE PROJECT WAS BID. PROPOSING ALTERNATIVE PLANS THAT MAY IDENTIFY GRADE ADJUSTMENTS TO MINIMIZE THE DISTANCE SOIL IS MOVED OR TO MINIMIZE IMPORT OR EXPORT WILL NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY OF PREPARING AN EARTHWORK PLAN AS BID.

GENERAL UTILITY SYSTEM NOTES :

1. ALL TRENCHES SHALL BE BACKFILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS TO VERIFY COMPACTION VALUES.
2. CONTRACTOR SHALL STAKE LOCATION OF ABOVE GROUND UTILITY EQUIPMENT (HYDRANTS, TRANSFORMERS, ETC.) AND MEET WITH THE APPROPRIATE GOVERNMENTAL AUTHORITY AND PROPER UTILITY AUTHORITY TO REVIEW LOCATION PRIOR TO INSTALLATION. THE APPROPRIATE GOVERNMENTAL AUTHORITY AND PROPER UTILITY AUTHORITY MUST SPECIFICALLY AGREE WITH LOCATION PRIOR TO PROCEEDING WITH THE INSTALLATION.
3. CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF PROPOSED UTILITIES, AND INFORM ENGINEER OF ANY CONFLICTS BEFORE PROCEEDING WITH WORK.
4. CATHODIC PROTECTION IS REQUIRED ON ALL METALLIC FITTINGS AND ASSEMBLIES THAT ARE IN CONTACT WITH THE SOIL. CONTRACTOR IS RESPONSIBLE FOR FULLY ENGINEERING AND INSTALLING THIS SYSTEM AND COORDINATE ANODE AND TEST STATION LOCATIONS WITH OWNER'S ENGINEER. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL CORROSION PROTECTION REQUIREMENTS.
5. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INVERTS AND LOCATIONS PRIOR TO BEGINNING ANY WORK ON THIS SITE.
6. ALL DRAINAGE STRUCTURES LOCATED IN VEHICULAR TRAFFIC AREAS SHALL HAVE TRAFFIC RATED COVERS AND BOLT-DOWN GRATES. ALL DRAINAGE STRUCTURES IN PEDESTRIAN ACCESSIBLE AREAS SHALL HAVE ADA APPROVED BOLT-DOWN GRATES.
7. ALL UTILITY STRUCTURES WITHIN THE AREA OF WORK SHALL HAVE THE LIDS, GRATES, COVERS, ETC. ADJUSTED TO BE FLUSH WITH FINISHED GRADES. CONTRACTOR SHALL IDENTIFY ALL SUCH ITEMS BY USE OF THESE PLANS AND FIELD INVESTIGATION.
8. SEE LANDSCAPE LAYOUT PLANS FOR IRRIGATION SLEEVE LOCATIONS.

GENERAL UTILITY SYSTEM NOTES (Cont.) :

9. ALL EXISTING UTILITY STRUCTURES (CLEANOUTS, VALVES, BOXES, MANHOLES, CB'S, ETC.) SHALL BE RAISED TO FINAL FINISH GRADE AND COMPLETED WITH THE NECESSARY LABOR AND MATERIALS TO BE IN ACCORDANCE WITH DETAILS SHOWN ON THESE PLANS.
10. CLEANOUTS, CATCH BASINS, MANHOLES AND AREA DRAINS ARE TO BE ACCURATELY LOCATED BY THEIR RELATIONSHIP TO THE BUILDING, FLATWORK, BUILDING UTILITIES, AND/OR CURB LAYOUT. NOT BY THE LENGTH OF PIPE SPECIFIED ON THE DRAWINGS. (WHICH IS APPROXIMATE)
11. SEE ELECTRICAL PLANS FOR SITE ELECTRICAL WORK. ADVISE ENGINEER OF ANY CONFLICTS WITH OTHER UTILITIES PRIOR TO BEGINNING WORK.
12. COMPLETE SYSTEMS: ALL UTILITY SYSTEMS ARE DELINEATED IN A SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES & WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.

STORM DRAIN NOTES:

1. INSTALL DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 18" BELOW THE SURFACE IN NON-PAVED AREAS, AND AT BOTTOM OF BASEROCK FOR PAVED AREAS. GREEN, IMPRINTED WITH "CAUTION-STORM DRAIN LINE BELOW", CALPICO TYPE 2 OR EQUAL.
2. PAINT THE TOP OF THE CURBS ADJACENT TO EACH CATCH BASIN INSTALLED UNDER THIS WORK OR ADJACENT TO THIS SITE WITH THE WORDS "NO DUMPING - DRAINS TO BAY". WORDING TO BE BLUE 4" HIGH LETTERS ON A PAINTED WHITE BACKGROUND.
3. INSTALL ADA APPROVED GRATES ON ALL DRAINAGE STRUCTURES WITHIN PEDESTRIAN ACCESSIBLE PAVED AREAS. INSTALL BOLT-DOWN GRATES ON ALL DRAINAGE STRUCTURES.
4. WHERE CONNECTION IS TO BE MADE TO AN EXISTING SEWER OR STRUCTURE, SAID EXISTING SEWER OR STRUCTURE SHALL BE UNCOVERED AND CHECKED FOR LOCATION AND ELEVATION PRIOR TO STAKING NEW SEWER DEPTH AND LOCATION. ANY DISCREPANCY BETWEEN THE PLANS AND FIELD INFORMATION SHALL BE REPORTED IMMEDIATELY TO THE ENGINEER.
5. REFER TO STORM SEWER SPECIFICATIONS FOR LABOR AND MATERIAL, TESTING AND QUALITY CONTROL REQUIREMENTS.
6. MINIMUM SLOPE FOR SITE STORM DRAIN PIPES SHALL BE:

   4" @ 2%
   6" @ 1%
   8" & LARGER @ 0.5%
   UNLESS INDICATED OTHERWISE
7. PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH SHALL BE HDPE.
8. CONTRACTOR TO INSTALL TRACER WIRE FOR NON-METALLIC PIPES.

POTABLE WATER SYSTEM NOTES:

1. INSTALL DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 18" BELOW THE SURFACE IN NON-PAVED AREAS, AND AT BOTTOM OF BASEROCK FOR PAVED AREAS. BLUE, IMPRINTED WITH "CAUTION-WATER-LINE BELOW", CALPICO TYPE 2 OR EQUAL.
2. PROVIDE MINIMUM OF 3 FEET OF COVER OVER WATER LINES, UNLESS NOTED OTHERWISE.
3. MAINTAIN PUBLIC WATER LINES 10' AWAY FROM PUBLIC SANITARY SEWER LINES.
4. WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90 DEGREE ANGLE AND WATER LINES SHALL BE MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER LINES AND WATERLINE JOINTS SHALL BE A MINIMUM OF 10 FEET FROM SANITARY SEWERS.
5. WATER LINES ARE SHOWN SCHEMATICALLY. CONTRACTOR SHALL IDENTIFY EACH ANGLE AND/OR BEND WITH APPROPRIATE FITTINGS THAT MAY BE REQUIRED TO ACCOMPLISH THE INTENDED DESIGN.
6. THE UNDERGROUND DOMESTIC WATER SYSTEM INSTALLER SHALL OBTAIN ALL APPROVALS AND PERMITS PRIOR TO ORDERING MATERIALS, FABRICATING SYSTEMS OR ANY INSTALLATION.
7. CONTRACTOR TO POTHOLE AND VERIFY LOCATION, DEPTH & SIZE OF P.O.C. TO EXISTING WATERMAIN PRIOR TO INSTALLING ANY NEW WATERMAIN AND ADVISE THE OWNER ENGINEER OF ANY FIELD DISCREPANCIES THAT WILL IMPACT THE DESIGN.
8. REFER TO DOMESTIC WATER SPECIFICATIONS FOR LABOR AND MATERIAL, TESTING AND QUALITY CONTROL REQUIREMENTS.
9. PUBLIC AND PRIVATE WATER MAIN AND WATER SERVICE LINE 4-INCH THROUGH 12-INCH SHALL BE POLYVINYL CHLORIDE (PVC) AND SHALL MEET AWWA C900, RATED FOR 200 PSI CLASS PIPE WITH EPOXY COATED DUCTILE IRON FITTINGS AND FUSION EPOXY COATED GATE VALVES.
10. ALL WATER LINES 3" OR SMALLER SHALL BE POLYETHYLENE (PE) PLASTIC PIPE WITH AWWA C901 FITTINGS. CONTRACTOR TO VERIFY PRESSURES FROM EXISTING LINES ARE ADEQUATE TO SERVICE BUILDINGS AS SPECIFIED BY THE PLUMBING PLANS.

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REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARNOLD
No. C 66537
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL & CIVIL ENGINEERS
260 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 617-5930

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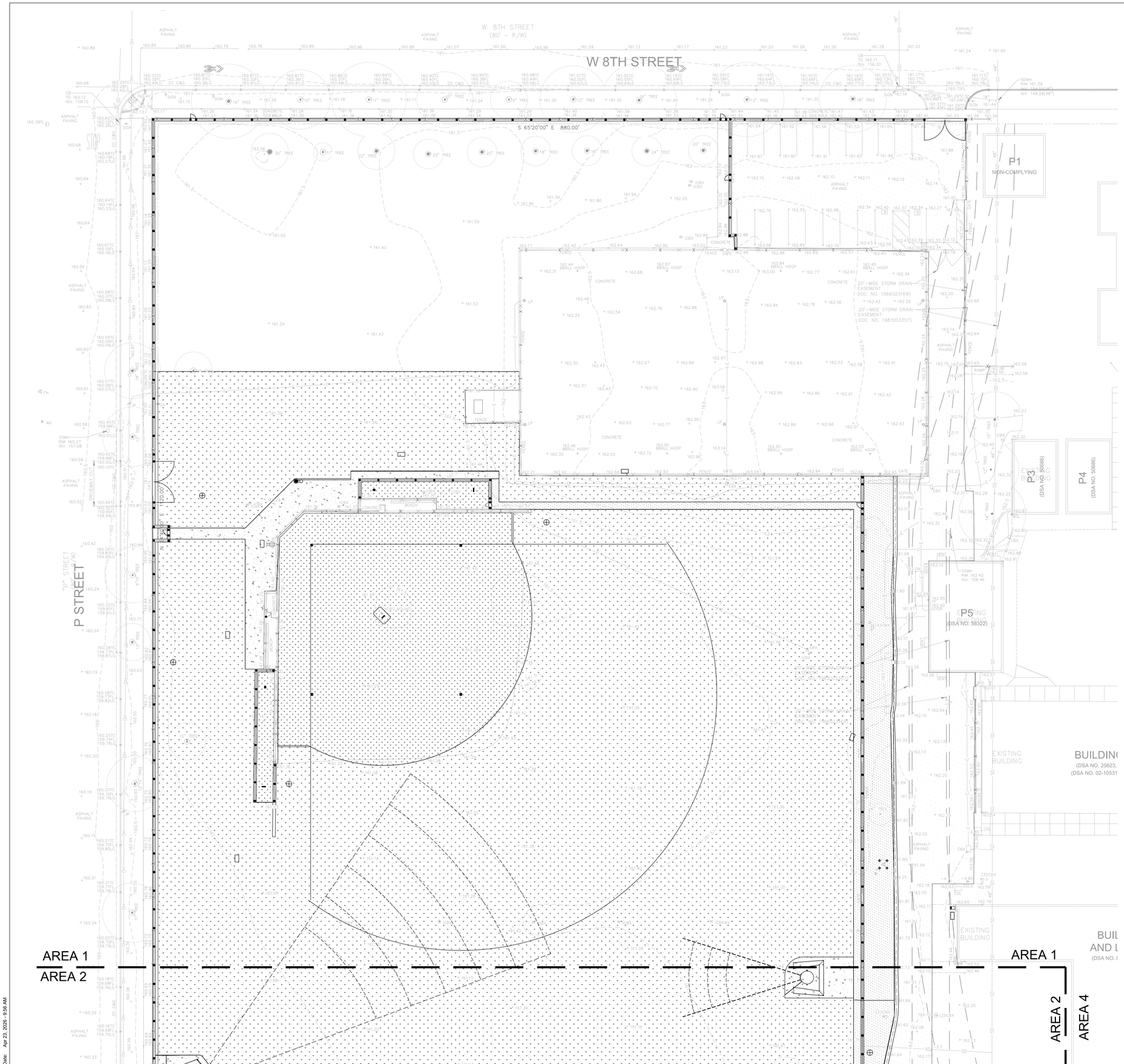
NOTES

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
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PAVEMENT LEGEND

PAVEMENT SECTION TO BE APPROVED BY GEOTECHNICAL ENGINEER.

CONCRETE PAVEMENT SURFACES TO HAVE 28-DAY COMPRESSIVE STRENGTH OF AT LEAST 3,200 PSI. CONCRETE PAVING IN VEHICULAR TRAVEL AREA TO MEET ADTT (AVERAGE DAILY TRUCK TRAFFIC) OF 1.

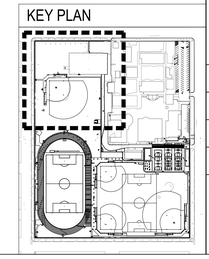
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	EXISTING AC PAVEMENT	
	TRACK SURFACE	SEE TRACK PLANS FOR INFORMATION
	TURF GRASS	SEE LANDSCAPE DRAWINGS FOR INFORMATION
	INFIELD SAND AND CLAY	SEE LANDSCAPE DRAWINGS FOR INFORMATION
	LANDSCAPE AREA	
	SAND AT LONG JUMP EVENT	SEE TRACK DRAWINGS FOR INFORMATION
	THICKENED AC PAVEMENT	SEE LANDSCAPE DETAIL 3/L6.01

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2. RAISED CONCRETE SLAB FOR BOOSTER PUMP. SEE BOOSTER PUMP DETAIL ON LANDSCAPE DRAWINGS.

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KEY PLAN



REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER ANDREW E. ADELSON No. C 66532 Exp. 06-30-26 CIVIL STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL MEP FIRE
260 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 617-0600

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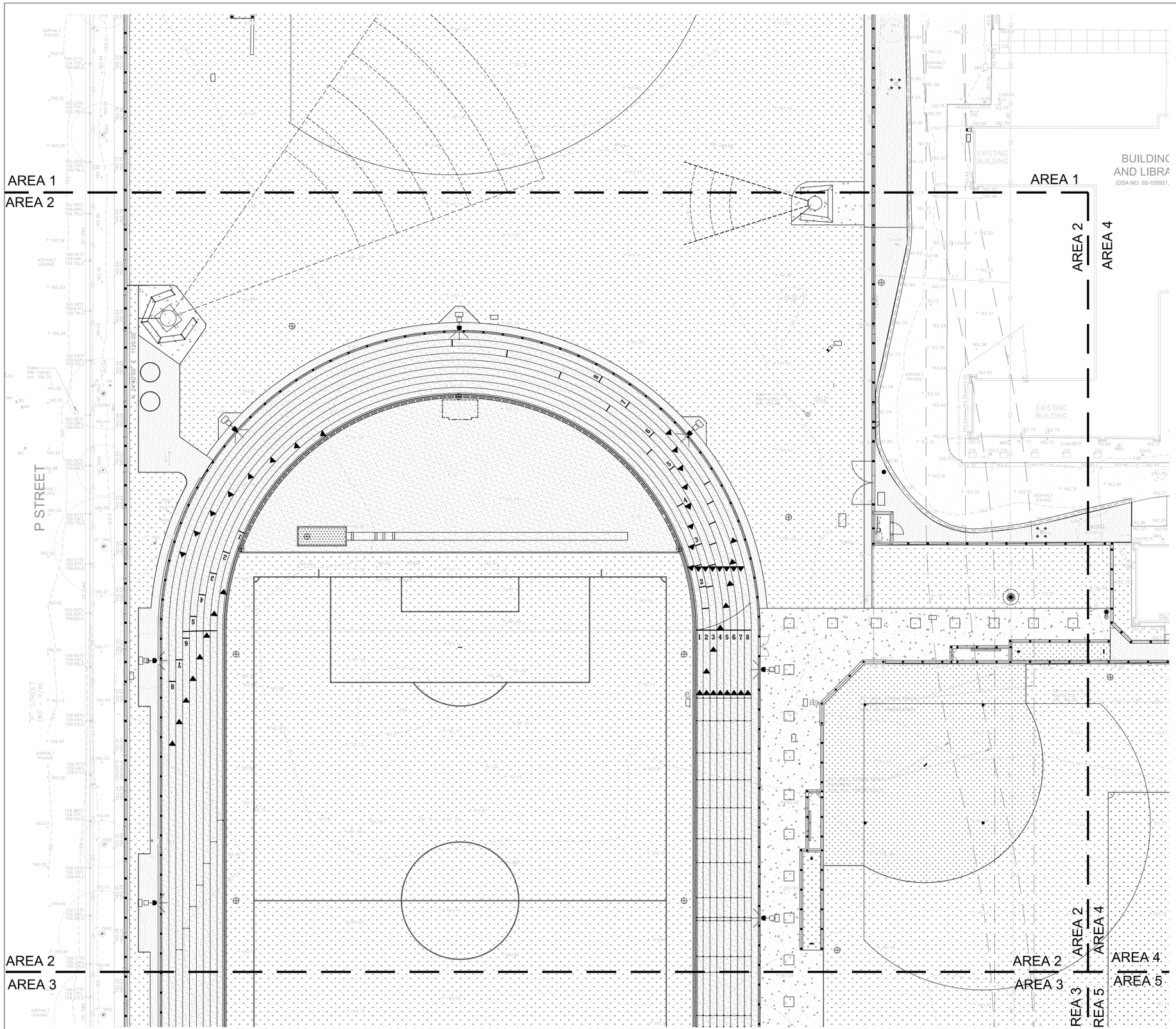
AREA 1
PAVEMENT PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
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LANDSCAPE AREA	
SAND AT LONG JUMP EVENT	SEE TRACK DRAWINGS FOR INFORMATION
THICKENED AC PAVEMENT	SEE LANDSCAPE DETAIL 3/L6.01

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REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ADELLO
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL ENGINEERS
260 Sheridan Avenue,
Palo Alto, CA 94306
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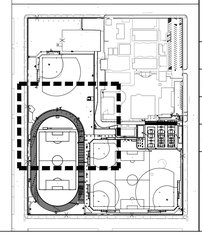
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AREA 2
PAVEMENT PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
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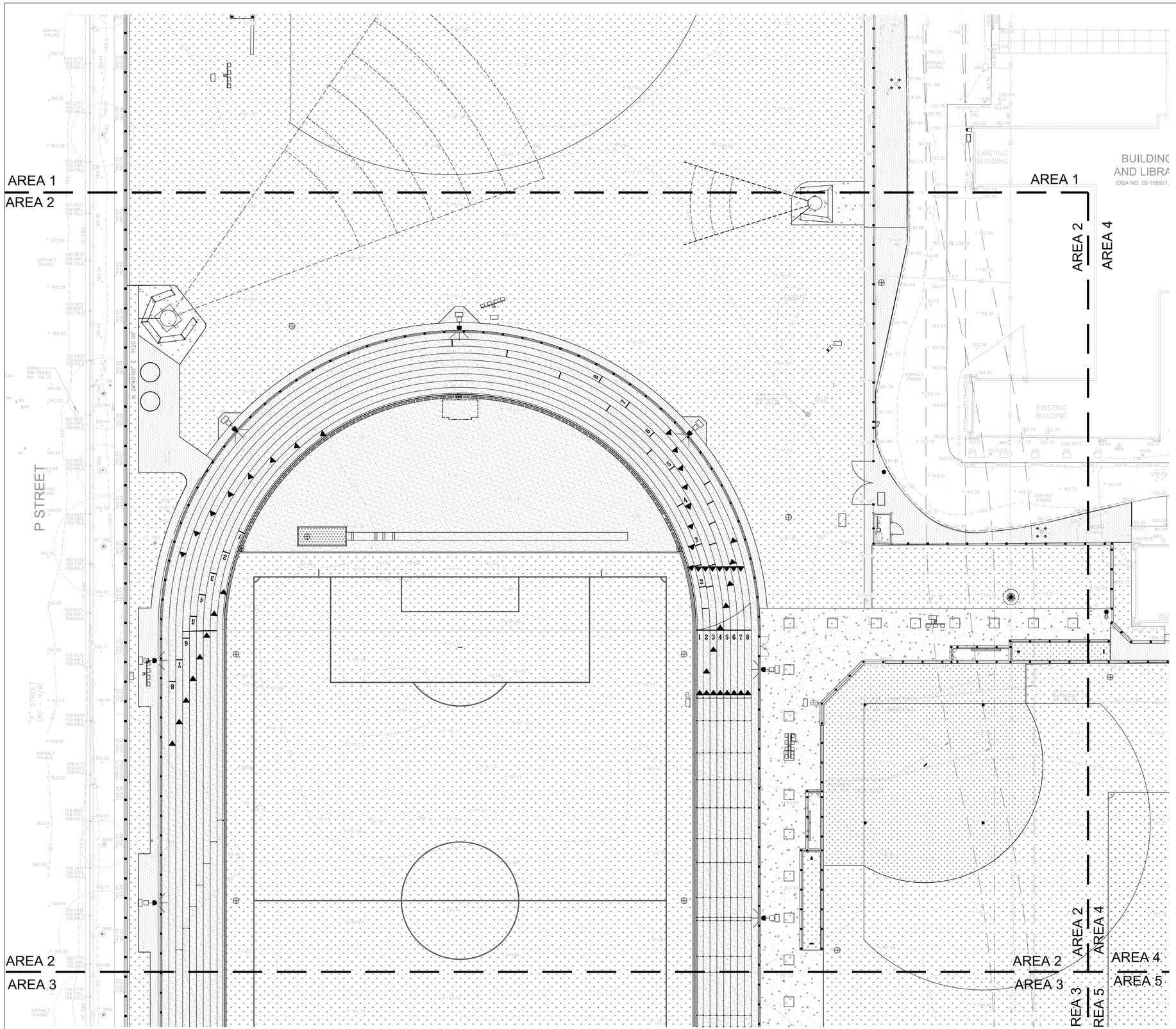
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REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
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ANDREW E. ARNOLD
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL ENGINEERS
260 Sheridan Avenue,
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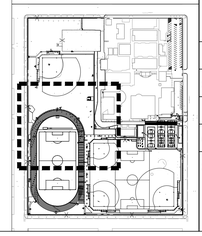
AREA 2
PAVEMENT PLAN ADD
ALTERNATE #2

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
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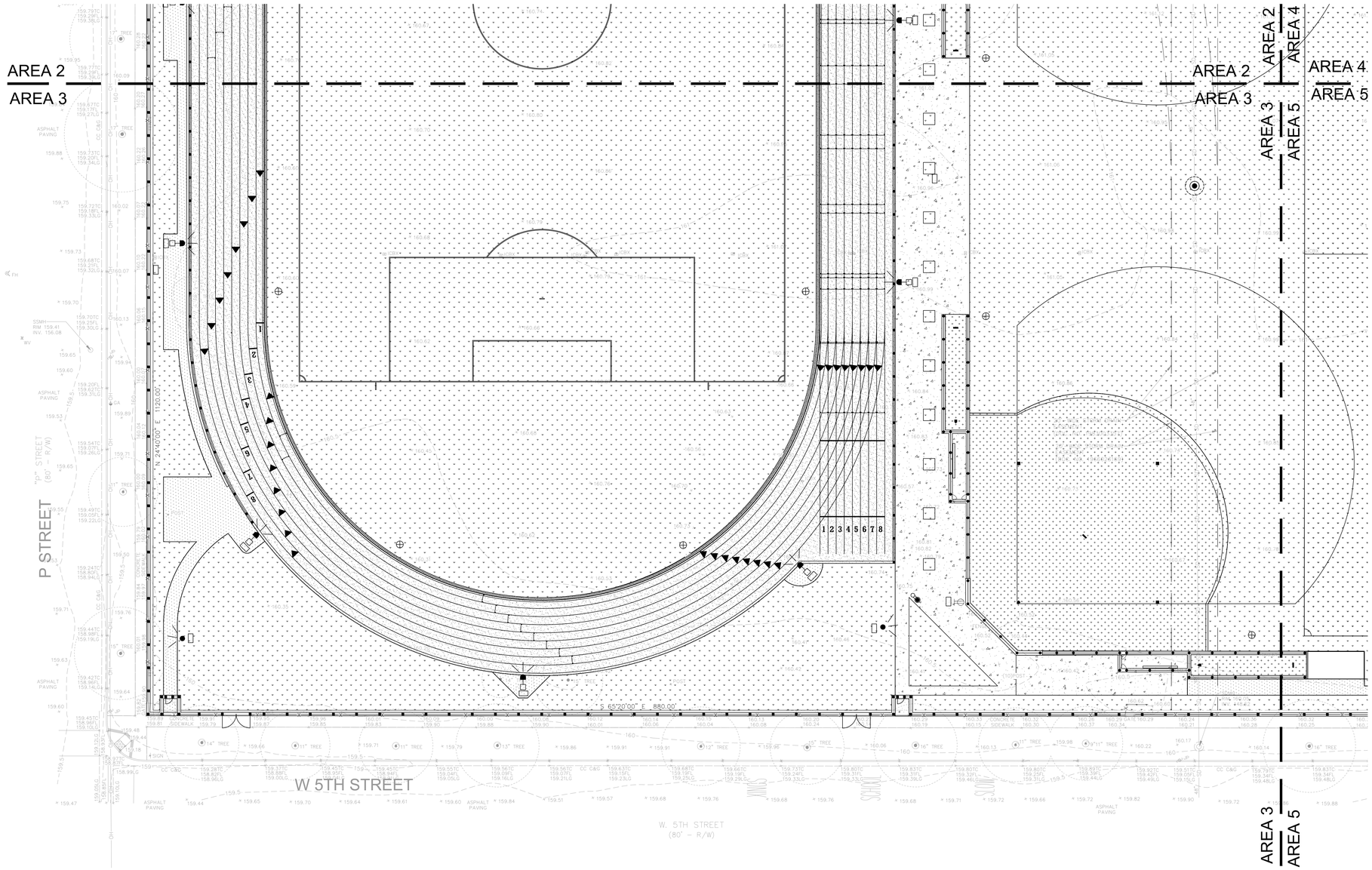


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REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARNOLD
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL MEP FIRE
260 Sheridan Avenue,
Palo Alto, CA 94306
(650) 617-0500
Suite 150

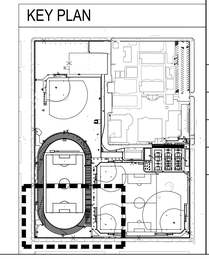
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AREA 3
PAVEMENT PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
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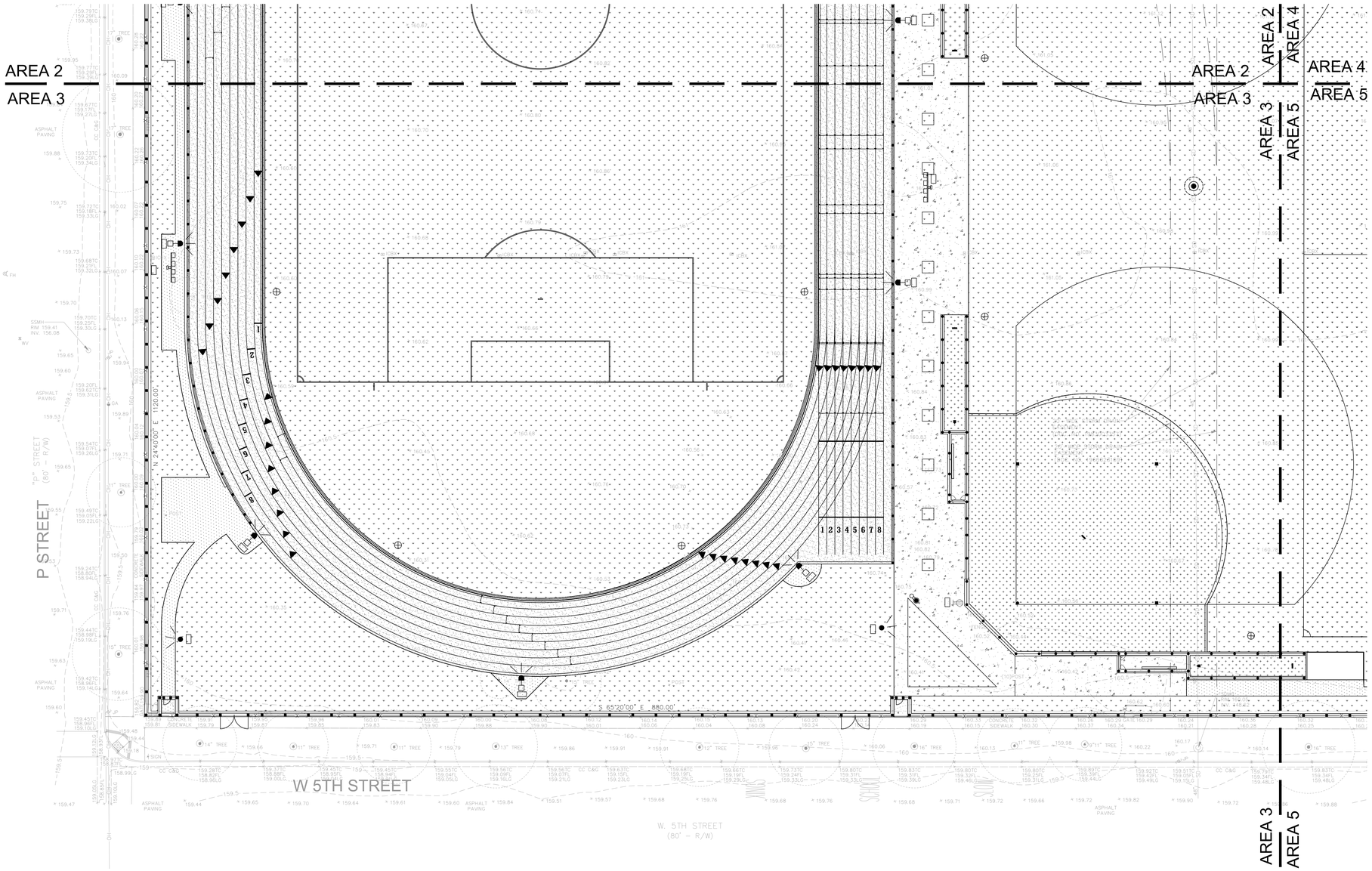
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SAND AT LONG JUMP EVENT	SEE TRACK DRAWINGS FOR INFORMATION
THICKENED AC PAVEMENT	SEE LANDSCAPE DETAIL 3/L6.01

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REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARNOLD
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL ENGINEERS
CIVIL ENGINEERS
360 Sheridan Avenue,
Palo Alto, CA 94306
(650) 617-0600
Suite 150

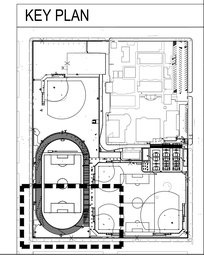
AREA 3
PAVEMENT PLAN
ADD ALTERNATE #2

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C3.3A

KEY PLAN



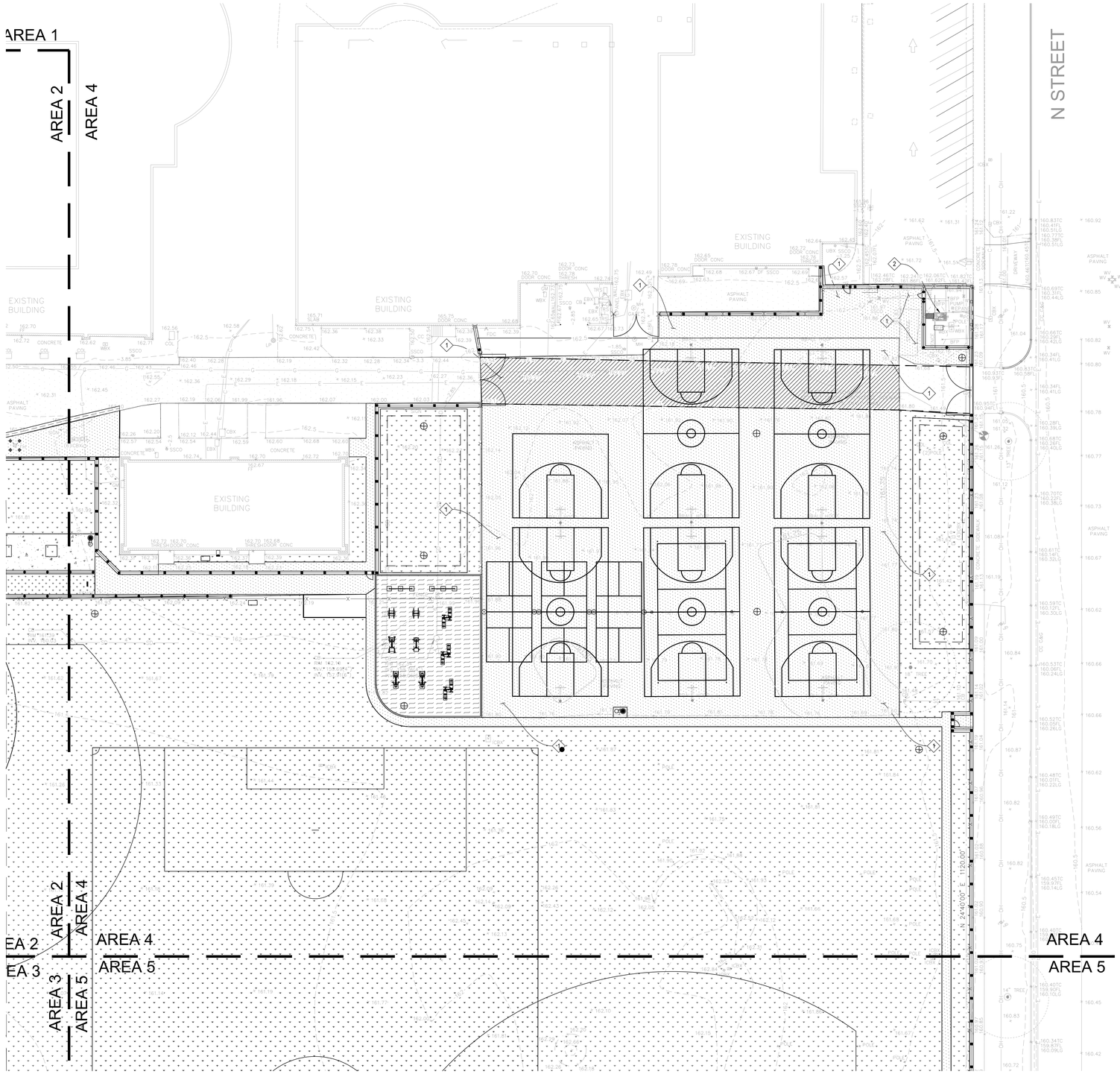
NORTH

CALL BEFORE YOU DIG
USA
800-227-2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

HOHBACH-LEWIN # 18762.31

Plot Date: Apr 23, 2026 - 9:54 AM



PAVEMENT LEGEND

PAVEMENT SECTION TO BE APPROVED BY GEOTECHNICAL ENGINEER.

CONCRETE PAVEMENT SURFACES TO HAVE 28-DAY COMPRESSIVE STRENGTH OF AT LEAST 3,200 PSI. CONCRETE PAVING IN VEHICULAR TRAVEL AREA TO MEET ADTT (AVERAGE DAILY TRUCK TRAFFIC) OF 1.

SIDEWALK CONCRETE	4" CONCRETE W/ #3 AT 18" O.C. E.W. OVER 4" CLASS 2 BASEROCK COMPACTED TO 90% R.C. OVER NATIVE SOILS COMPACTED TO 90% R.C. SEE DETAIL 2/C6.1 FOR INFORMATION
AC PAVEMENT	3" AC PAVEMENT OVER 6" CLASS 2 BASEROCK COMPACTED TO 95% R.C. OVER 95% R.C. COMPACTED NATIVE SOILS.
EXISTING AC PAVEMENT	
TRACK SURFACE	SEE TRACK PLANS FOR INFORMATION
TURF GRASS	SEE LANDSCAPE DRAWINGS FOR INFORMATION
INFIELD SAND AND CLAY	SEE LANDSCAPE DRAWINGS FOR INFORMATION
LANDSCAPE AREA	
SAND AT LONG JUMP EVENT	SEE TRACK DRAWINGS FOR INFORMATION
THICKENED AC PAVEMENT	SEE LANDSCAPE DETAIL 3/L6.01

PAVEMENT KEYNOTES

1. BASEROCK AT NEW ASPHALT SPORT COURT AREAS SHALL BE PRESERVED. SEE LANDSCAPE DRAWINGS FOR EXTENT OF PRESERVATION OF EXISTING BASEROCK
2. RAISED CONCRETE SLAB FOR BOOSTER PUMP. SEE BOOSTER PUMP DETAIL ON LANDSCAPE DRAWINGS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARELLO
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

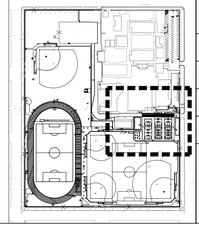
HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL MEP FIRE
260 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 617-0500

100% CONSTRUCTION DOCUMENTS

AREA 4
PAVEMENT PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

KEY PLAN



DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C3.4

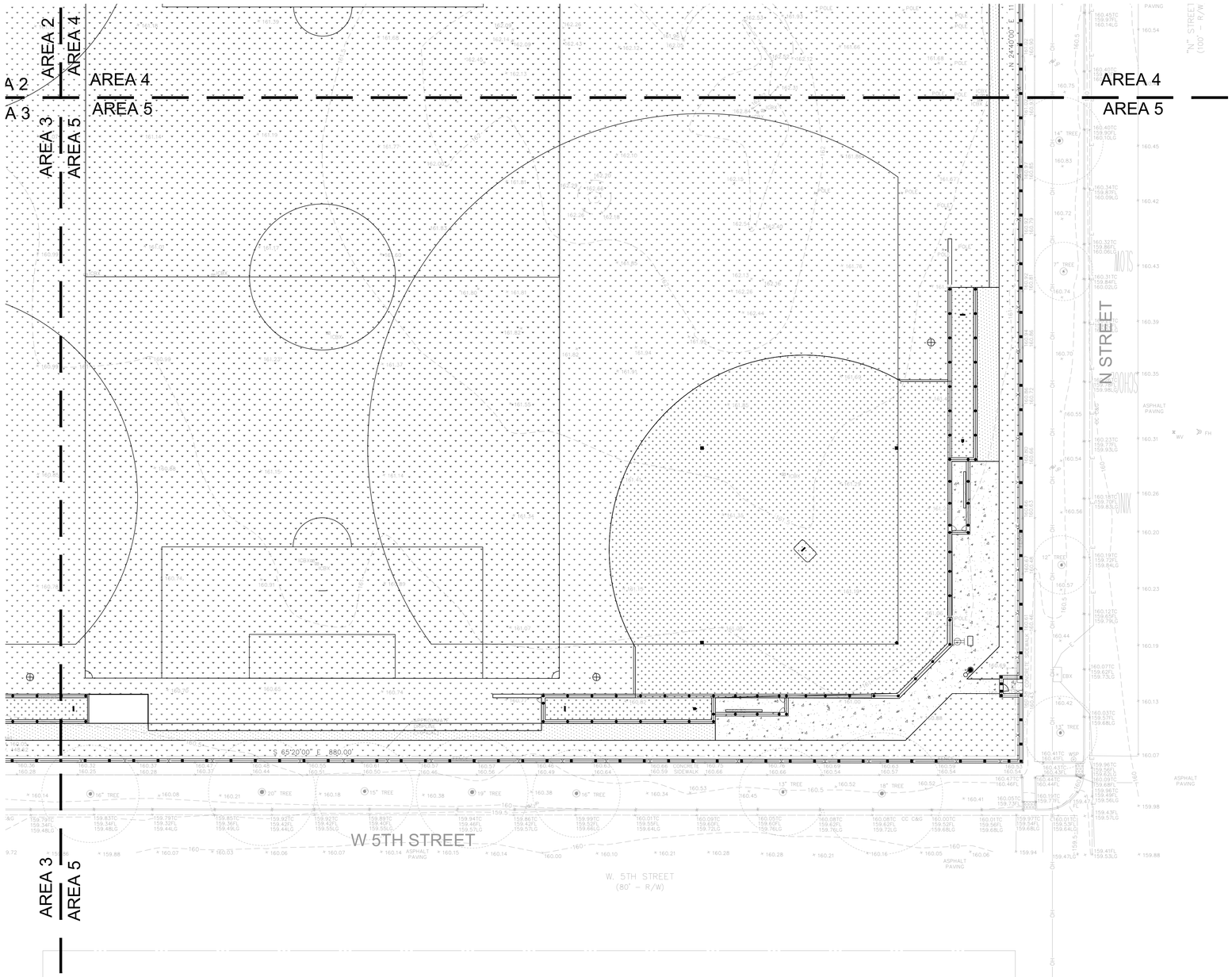
NORTH

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USA
800-227-2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

HOHBACH-LEWIN #: 18762.31

Plot Date: Apr 23, 2026 - 9:54 AM



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TURF GRASS	SEE LANDSCAPE DRAWINGS FOR INFORMATION
INFIELD SAND AND CLAY	SEE LANDSCAPE DRAWINGS FOR INFORMATION
LANDSCAPE AREA	
SAND AT LONG JUMP EVENT	SEE TRACK DRAWINGS FOR INFORMATION
THICKENED AC PAVEMENT	SEE LANDSCAPE DETAIL 3/L6.01

PAVEMENT KEYNOTES

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REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARNOLD
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL ∙ CIVIL ∙ MEP ∙ FIRE
260 Sheridan Avenue,
Suite 150
Palo Alto, CA 94306
(650) 617-0500

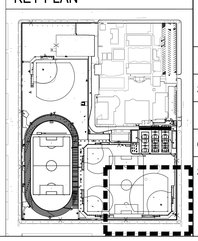
100% CONSTRUCTION DOCUMENTS

AREA 5
PAVEMENT PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C3.5

KEY PLAN



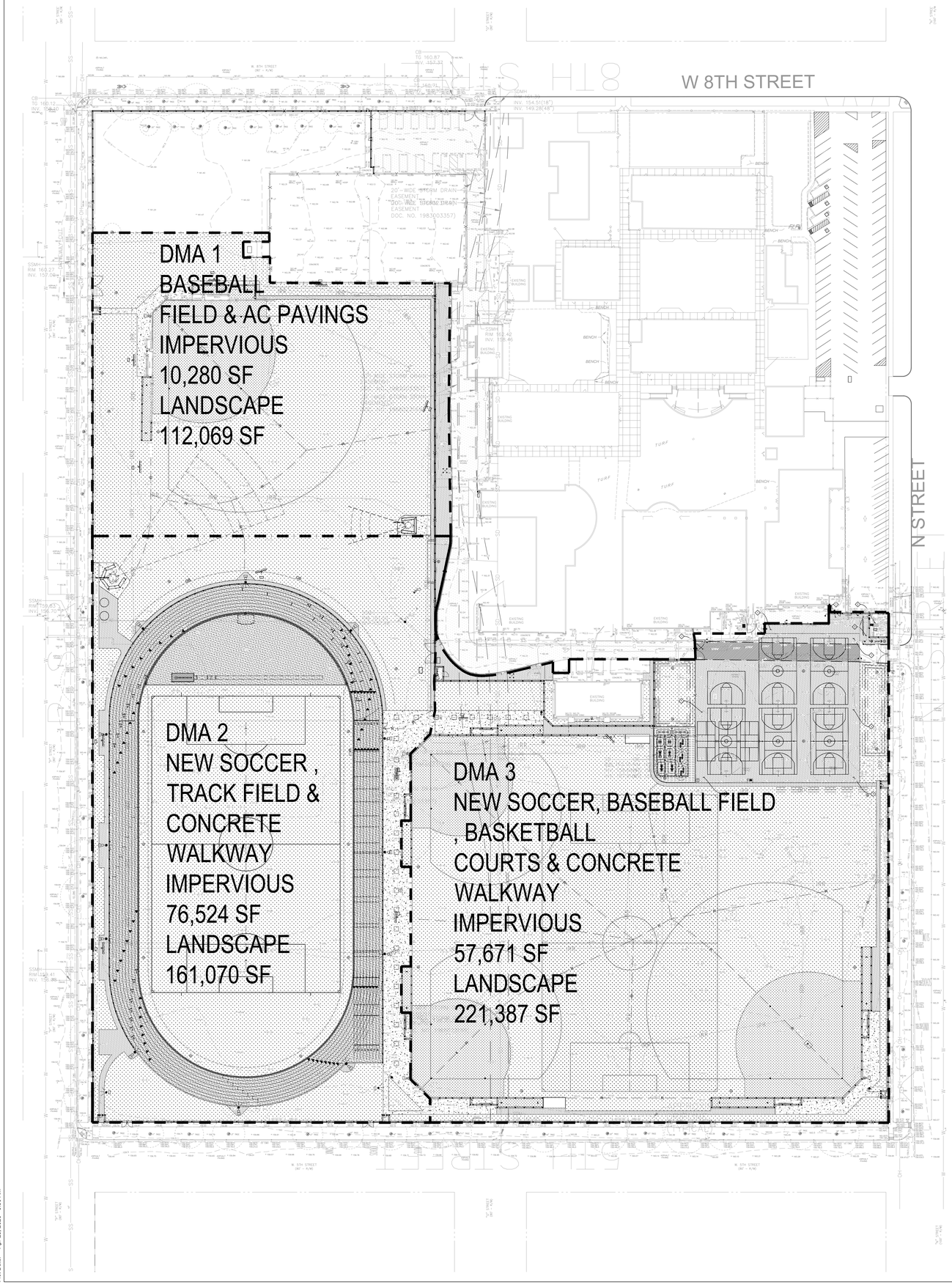
NORTH

CALL BEFORE YOU DIG
USA
800.227.2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:53 AM

HOHBACH-LEWIN # 18782.31



TREATMENT CONTROL MEASURE SUMMARY TABLE

DMA #	TCM #	Location	Treatment Type	LID or Non-LID	Sizing Method	Drainage Area (s.f.)	Impervious Area (s.f.)	Pervious Area (Permeable Pavement) (s.f.)	Pervious Area (Other) (s.f.)	% Onsite Area Treated by LID or Non-LID TCM	Bioretention Area Required (s.f.)	Bioretention Area Provided (s.f.)	Overflow Riser Height (in)	Storage Depth Required (ft)	Storage Depth Provided (ft)
1	-	Onsite	Self-retaining areas	LID	1B. Volume	122,349	10,280	0	112,069	19.15%	-	-	-	-	-
2	-	Onsite	Self-retaining areas	LID	1B. Volume	237,594	76,524	0	161,070	37.18%	-	-	-	-	-
3	-	Onsite	Self-retaining areas	LID	1B. Volume	279,058	57,671	0	221,387	43.67%	-	-	-	-	-
					Totals:	639,001	144,475	0	494,526	100.00%	0	0			

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ADELO
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
EDUCATIONAL FACILITY PLANNERS
260 Sheridan Avenue,
Palo Alto, CA 94306
(650) 617-0500
Suite 150

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STORMWATER
TREATMENT PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C3.6

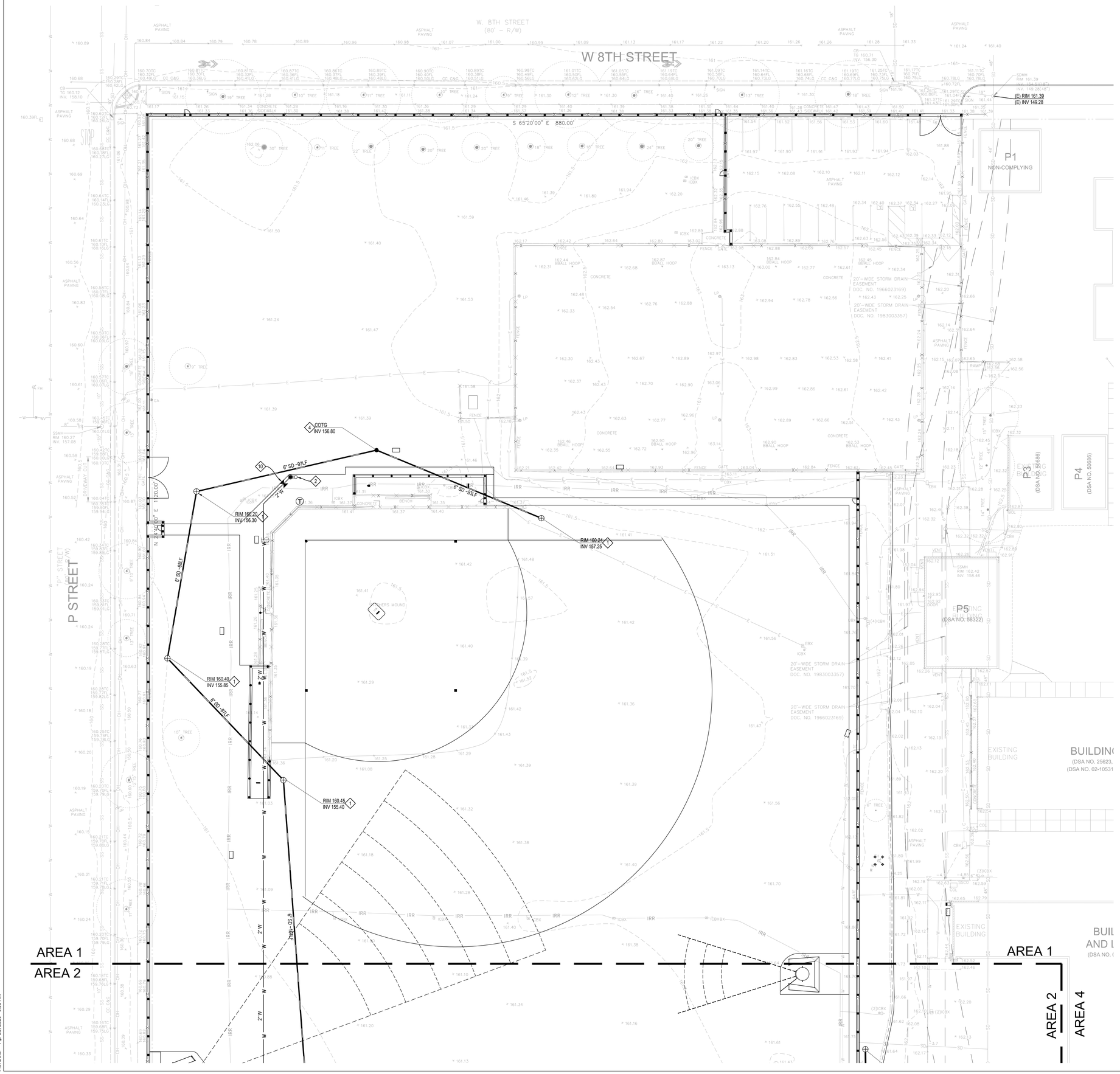
HOHBACH-LEWIN # 18782.31

NORTH

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811
800-227-2600

0 25' 50' 75' 100'
SCALE: 1" = 50'

Plot Date: Apr 23, 2026 - 9:50 AM



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UTILITY LEGEND

- WATER VALVE
- STORM DRAIN MANHOLE
- CATCH BASIN
- CLEANOUT TO GRADE

UTILITY KEYNOTES

1. CATCH BASIN, TYP. SEE DETAIL 14/C6.1
2. DRINKING FOUNTAIN/BOTTLE FILLER, SEE LANDSCAPE PLANS FOR CONNECTION TO WASTE SYSTEM
3. BFP FOR POTABLE WATER LINE
4. CLEANOUT TO GRADE, SEE DETAIL 4/C6.1
5. NEW 2" POTABLE WATER LINE CONNECT TO EXISTING DOMESTIC WATER LINE
6. CONNECT TRENCH DRAIN TO STORM DRAIN INLET
7. INSTALL NEW 4" PERFORATED PIPE, SEE DETAIL 16/C6.1
8. CONNECT TO EXISTING STORM DRAIN LINE
9. NEW STORM DRAIN MANHOLE, SEE DETAIL 11/C6.1
10. WATER VALVE, SEE DETAIL 12/C6.1
11. NEW ACO 3000 SLOT DRAIN CATCH BASIN. THE 6" STORM DRAIN PIPING WILL HAVE A 45 DEGREE DOWN AND TIE IN TO 8" STORM DRAIN MAIN AFTER COMES OUT OF THE ACO DRAIN, SEE DETAIL ON TRACK DRAWINGS
12. CATCH BASIN BELOW SYNTHETIC TURF, SEE LANDSCAPE PLANS FOR ADDITIONAL REQUIREMENTS.
13. NEW ACO SLOT DRAIN, SEE DETAIL 6/T1.02 FOR MORE INFORMATION
14. INSTALL NEW 4" PERF PIPE, SEE DETAIL 6/T1.02 FOR MORE INFORMATION

UTILITY NOTES

1. CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF PROPOSED UTILITIES, AND INFORM ENGINEER OF ANY CONFLICTS BEFORE PROCEEDING WITH WORK.
2. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INVERTS AND LOCATIONS PRIOR TO BEGINNING ANY WORK ON THIS SITE.

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ABELLO
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL ENGINEERS
260 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 617-0600

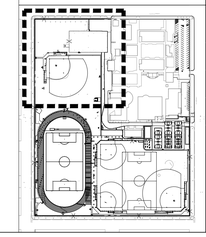
AREA 1
UTILITY PLAN

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C4.1

KEY PLAN



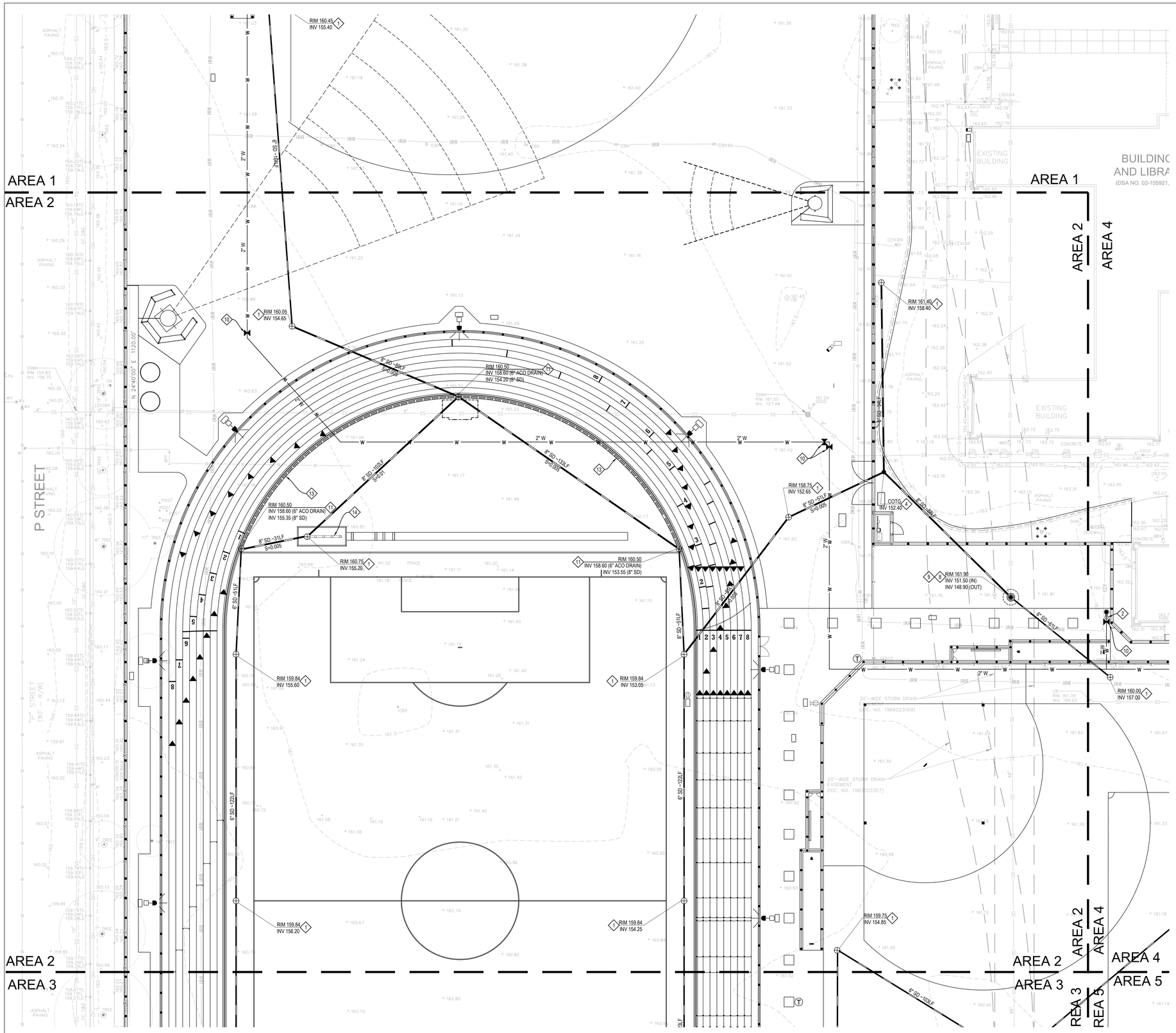
NORTH

CALL BEFORE YOU DIG USA 800-227-2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:55 AM

HOHBACH-LEWIN # 18762.01



UTILITY LEGEND

- WATER VALVE
- STORM DRAIN MANHOLE
- CATCH BASIN
- CLEANOUT TO GRADE

UTILITY KEYNOTES

1. CATCH BASIN, TYP. SEE DETAIL 14/C6.1
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DIV. OF THE STATE ARCHITECT
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SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER ANDREW E. ABBOUD No. C 66532 Exp. 06-30-26 CIVIL STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL MEP ENGINEERS
260 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 617-0500

100% CONSTRUCTION DOCUMENTS

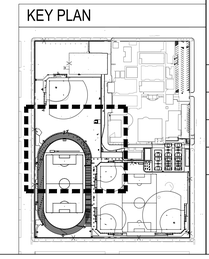
AREA 2
UTILITY PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA

SHEET NO.
C4.2

KEY PLAN



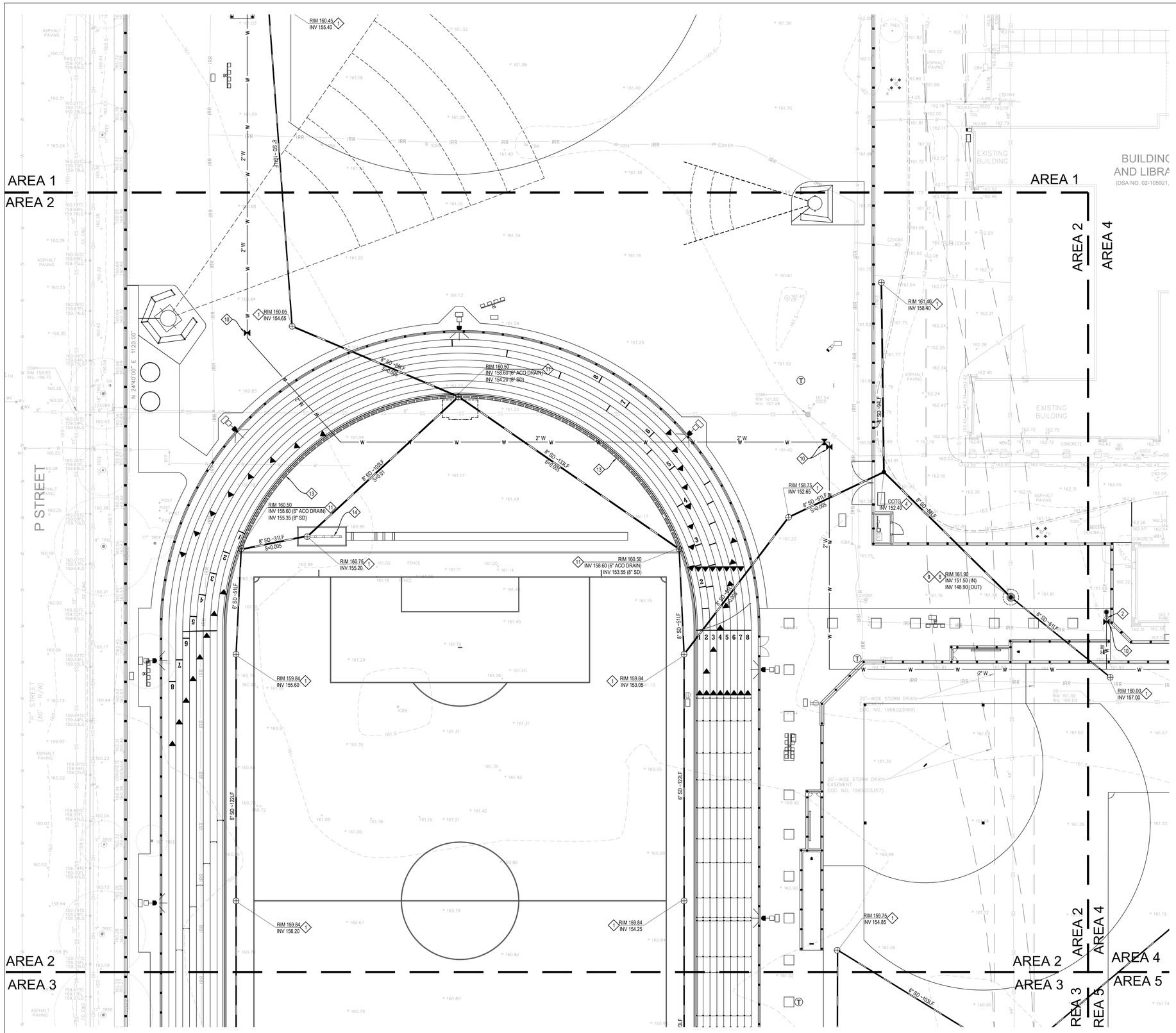
NORTH

CALL BEFORE YOU DIG USA 800-227-2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:55 AM

HOHBACH-LEWIN #: 19762.31



UTILITY LEGEND

- WATER VALVE
- STORM DRAIN MANHOLE
- CATCH BASIN
- CLEANOUT TO GRADE

UTILITY KEYNOTES

1. CATCH BASIN, TYP. SEE DETAIL 14/C6.1
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UTILITY NOTES

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tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARNOLD
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

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STRUCTURAL CIVIL MEP FIRE
260 Sheridan Avenue, Suite 150
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(650) 617-0500

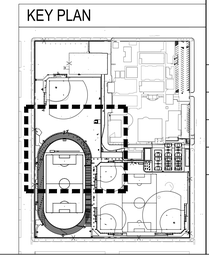
100% CONSTRUCTION DOCUMENTS

AREA 2
UTILITY PLAN ADD
ALTERNATE #2

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C4.2A

KEY PLAN



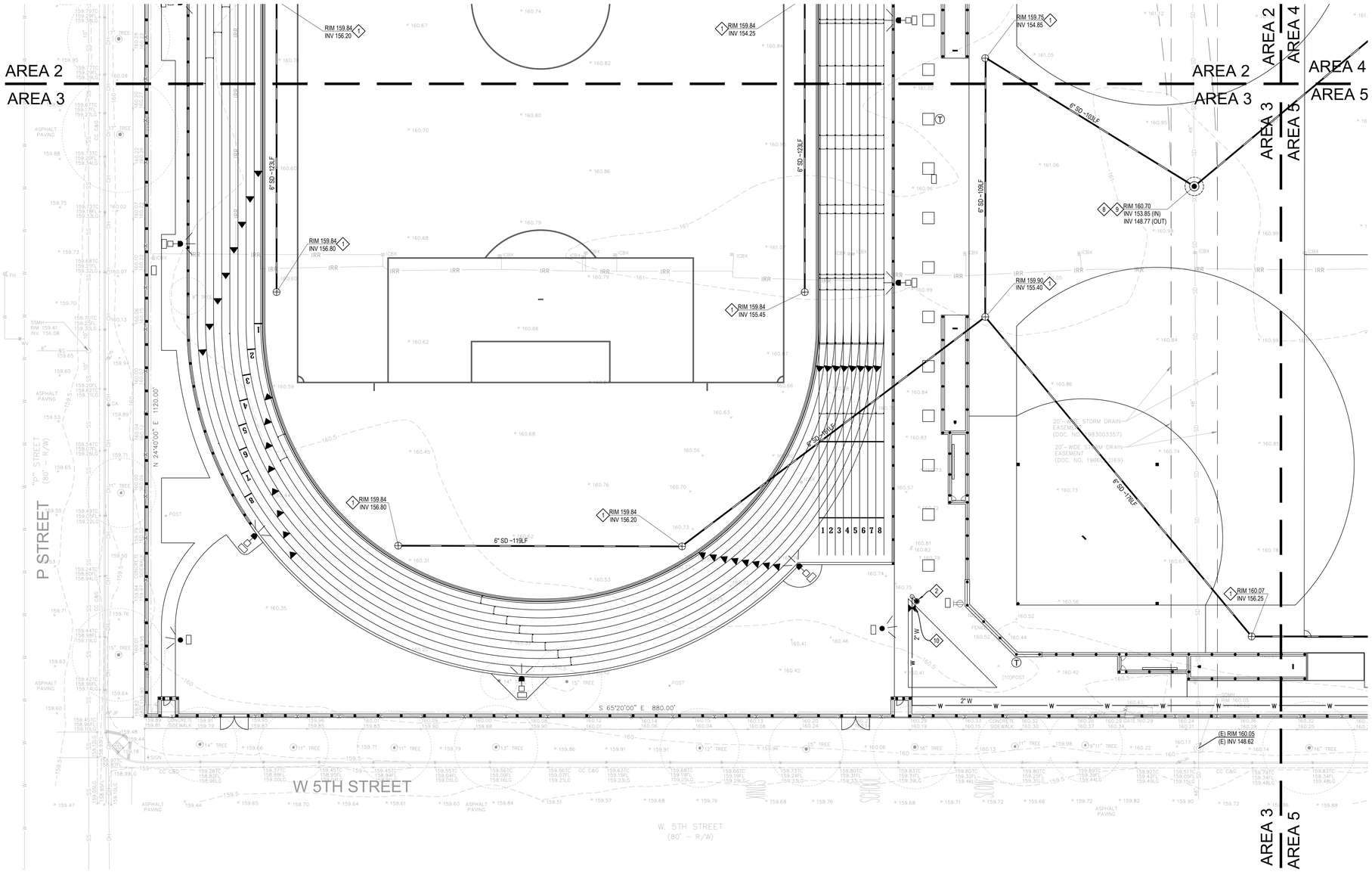
NORTH

CALL BEFORE YOU DIG
USA
800-227-2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:53 AM

HOHBACH-LEWIN #: 19762.31



UTILITY LEGEND

- WATER VALVE
- STORM DRAIN MANHOLE
- CATCH BASIN
- CLEANOUT TO GRADE

UTILITY KEYNOTES

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REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ADELSON
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL ● CIVIL ● MEP ENGINEERS
260 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 617-0500

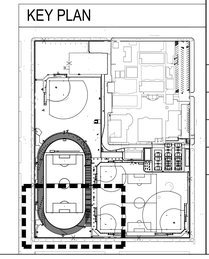
100% CONSTRUCTION DOCUMENTS

AREA 3
UTILITY PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C4.3

KEY PLAN



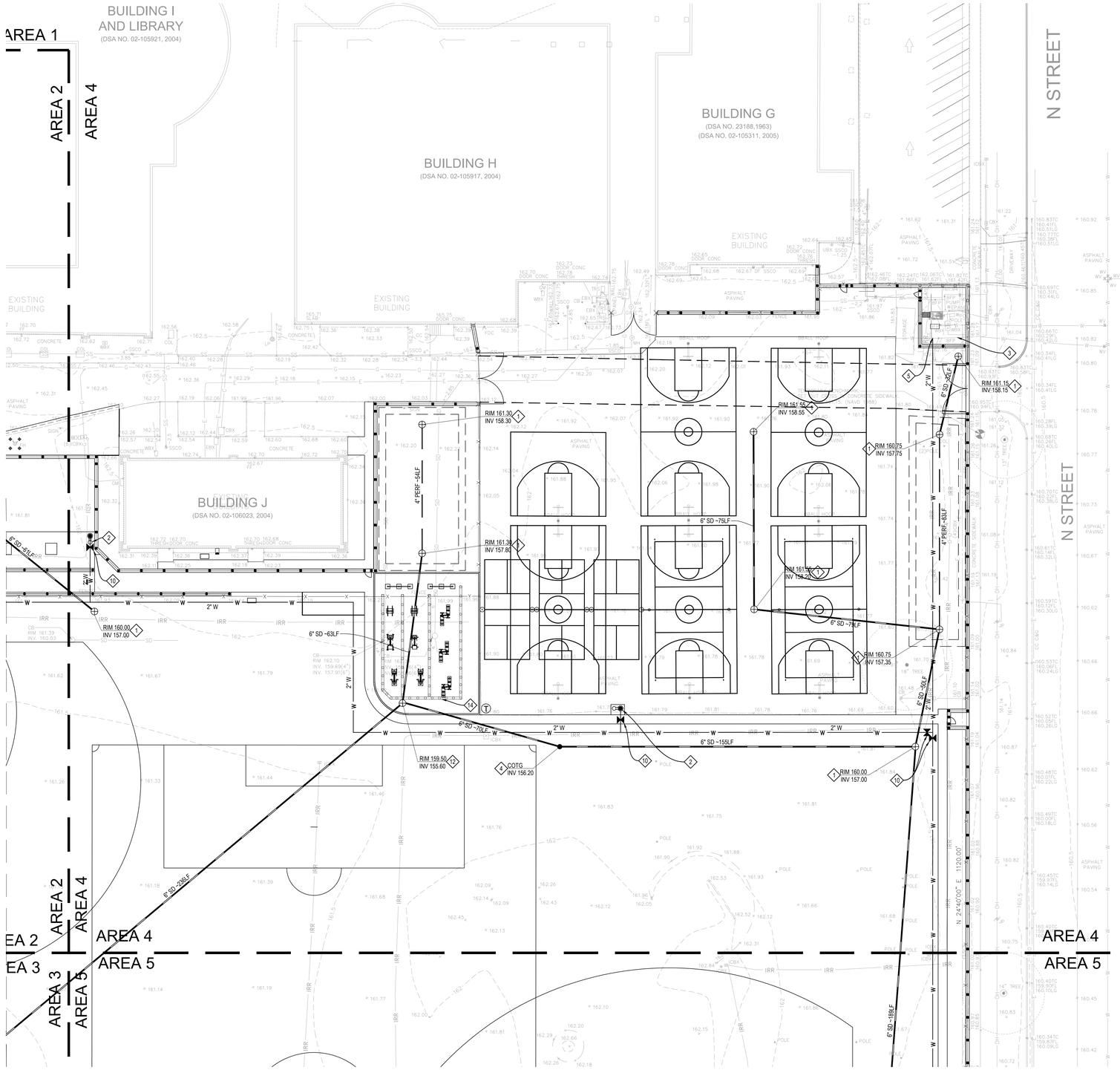
NORTH

CALL BEFORE YOU DIG
811
800.227.2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:52 AM

HOHBACH-LEWIN # : 19762.31



UTILITY LEGEND

- WATER VALVE
- STORM DRAIN MANHOLE
- CATCH BASIN
- CLEANOUT TO GRADE

UTILITY KEYNOTES

1. CATCH BASIN, TYP. SEE DETAIL 14/C6.1
2. DRINKING FOUNTAIN/BOTTLE FILLER, SEE LANDSCAPE PLANS FOR CONNECTION TO WASTE SYSTEM
3. BFP FOR POTABLE WATER LINE
4. CLEANOUT TO GRADE, SEE DETAIL 4/C6.1
5. NEW 2" POTABLE WATER LINE CONNECT TO EXISTING DOMESTIC WATER LINE
6. CONNECT TRENCH DRAIN TO STORM DRAIN INLET
7. INSTALL NEW 4" PERFORATED PIPE, SEE DETAIL 16/C6.1
8. CONNECT TO EXISTING STORM DRAIN LINE
9. NEW STORM DRAIN MANHOLE, SEE DETAIL 11/C6.1
10. WATER VALVE, SEE DETAIL 12/C6.1
11. NEW ACO 3000 SLOT DRAIN CATCH BASIN. THE 6" STORM DRAIN PIPING WILL HAVE A 45 DEGREE DOWN AND TIE IN TO 8" STORM DRAIN MAIN AFTER COMES OUT OF THE ACO DRAIN, SEE DETAIL ON TRACK DRAWINGS
12. CATCH BASIN BELOW SYNTHETIC TURF, SEE LANDSCAPE PLANS FOR ADDITIONAL REQUIREMENTS.
13. NEW ACO SLOT DRAIN, SEE DETAIL 6/T1.02 FOR MORE INFORMATION
14. INSTALL NEW 4" PERF PIPE, SEE DETAIL 6/T1.02 FOR MORE INFORMATION

UTILITY NOTES

1. CONTRACTOR SHALL VERIFY (POTHOLE IF NECESSARY) SIZE, MATERIAL, LOCATION AND DEPTH OF ALL SYSTEMS THAT ARE TO BE CONNECTED TO OR CROSSED PRIOR TO THE TRENCHING OR INSTALLATION OF PROPOSED UTILITIES, AND INFORM ENGINEER OF ANY CONFLICTS BEFORE PROCEEDING WITH WORK.
2. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INVERTS AND LOCATIONS PRIOR TO BEGINNING ANY WORK ON THIS SITE.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARELLA
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL ✦ CIVIL ✦ MEP ✦ FIRE
260 Sheridan Avenue,
Suite 150
Palo Alto, CA 94306
(650) 617-0500

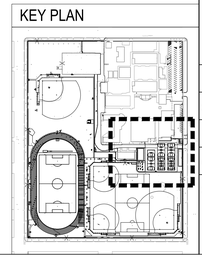
100% CONSTRUCTION DOCUMENTS

AREA 4
UTILITY PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C4.4

KEY PLAN



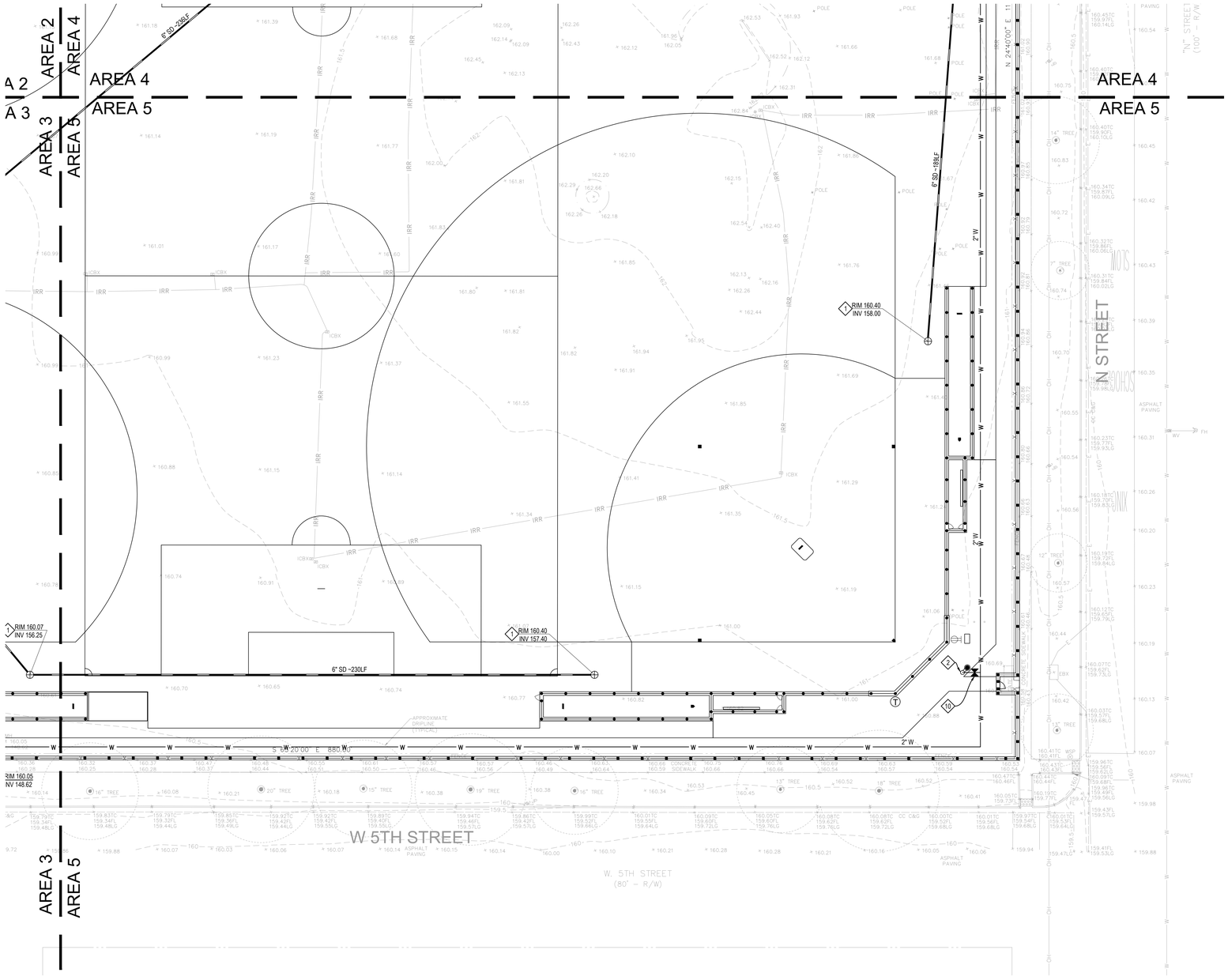
NORTH

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USA
800-227-2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:58 AM

HOHBACH-LEWIN # 19762.31



UTILITY LEGEND

- WATER VALVE
- STORM DRAIN MANHOLE
- CATCH BASIN
- CLEANOUT TO GRADE

UTILITY KEYNOTES

1. CATCH BASIN, TYP. SEE DETAIL 14/C6.1
2. DRINKING FOUNTAIN/BOTTLE FILLER, SEE LANDSCAPE PLANS FOR CONNECTION TO WASTE SYSTEM
3. BFP FOR POTABLE WATER LINE
4. CLEANOUT TO GRADE, SEE DETAIL 4/C6.1
5. NEW 2" POTABLE WATER LINE CONNECT TO EXISTING DOMESTIC WATER LINE
6. CONNECT TRENCH DRAIN TO STORM DRAIN INLET
7. INSTALL NEW 4" PERFORATED PIPE, SEE DETAIL 16/C6.1
8. CONNECT TO EXISTING STORM DRAIN LINE
9. NEW STORM DRAIN MANHOLE, SEE DETAIL 11/C6.1
10. WATER VALVE, SEE DETAIL 12/C6.1
11. NEW ACO 3000 SLOT DRAIN CATCH BASIN. THE 6" STORM DRAIN PIPING WILL HAVE A 45 DEGREE DOWN AND TIE IN TO 8" STORM DRAIN MAIN AFTER COMES OUT OF THE ACO DRAIN, SEE DETAIL ON TRACK DRAWINGS
12. CATCH BASIN BELOW SYNTHETIC TURF, SEE LANDSCAPE PLANS FOR ADDITIONAL REQUIREMENTS.
13. NEW ACO SLOT DRAIN, SEE DETAIL 6/T1.02 FOR MORE INFORMATION
14. INSTALL NEW 4" PERF PIPE, SEE DETAIL 6/T1.02 FOR MORE INFORMATION

UTILITY NOTES

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2. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES, INVERTS AND LOCATIONS PRIOR TO BEGINNING ANY WORK ON THIS SITE.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
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DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ADELO
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL MEP FIRE
260 Sheridan Avenue,
Suite 150
Palo Alto, CA 94306
(650) 617-0500

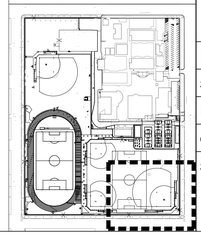
100% CONSTRUCTION DOCUMENTS

AREA 5
UTILITY PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY:AEA
SHEET NO.
C4.5

KEY PLAN



NORTH

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0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:57 AM

HOHBACH-LEWIN #: 18T02.31

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

- CONCRETE WASHOUT, SEE DETAIL 1/C5.6
- CATCH BASIN PROTECTION, SEE DETAIL 2/C5.6
- FIBER ROLL, SEE DETAIL 3/C5.6
- CATCH BASIN PROTECTION ALONG GUTTERS SEE DETAIL 4/C5.6
- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET L6.00. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE.

W. 8TH STREET (80' – R/W)

W 8TH STREET

S 65°20'00" E 880.00'

P STREET

P1 NON-COMPLYING

P3 (DSA NO. 50686)

P4 (DSA NO. 50686)

P5 (DSA NO. 58322)

EXISTING BUILDING

20'-WIDE STORM DRAIN EASEMENT DOC. NO. 1966023169)

20'-WIDE STORM DRAIN EASEMENT DOC. NO. 1983003357)

AREA 1

AREA 2

AREA 4

KEY PLAN

SCALE: 1" = 20'

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER ANDREW E. ARNOLD No. C 66532 Exp. 06-30-26 CIVIL STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL ENGINEERS
260 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 417-0888

AREA 1
EROSION CONTROL PLAN

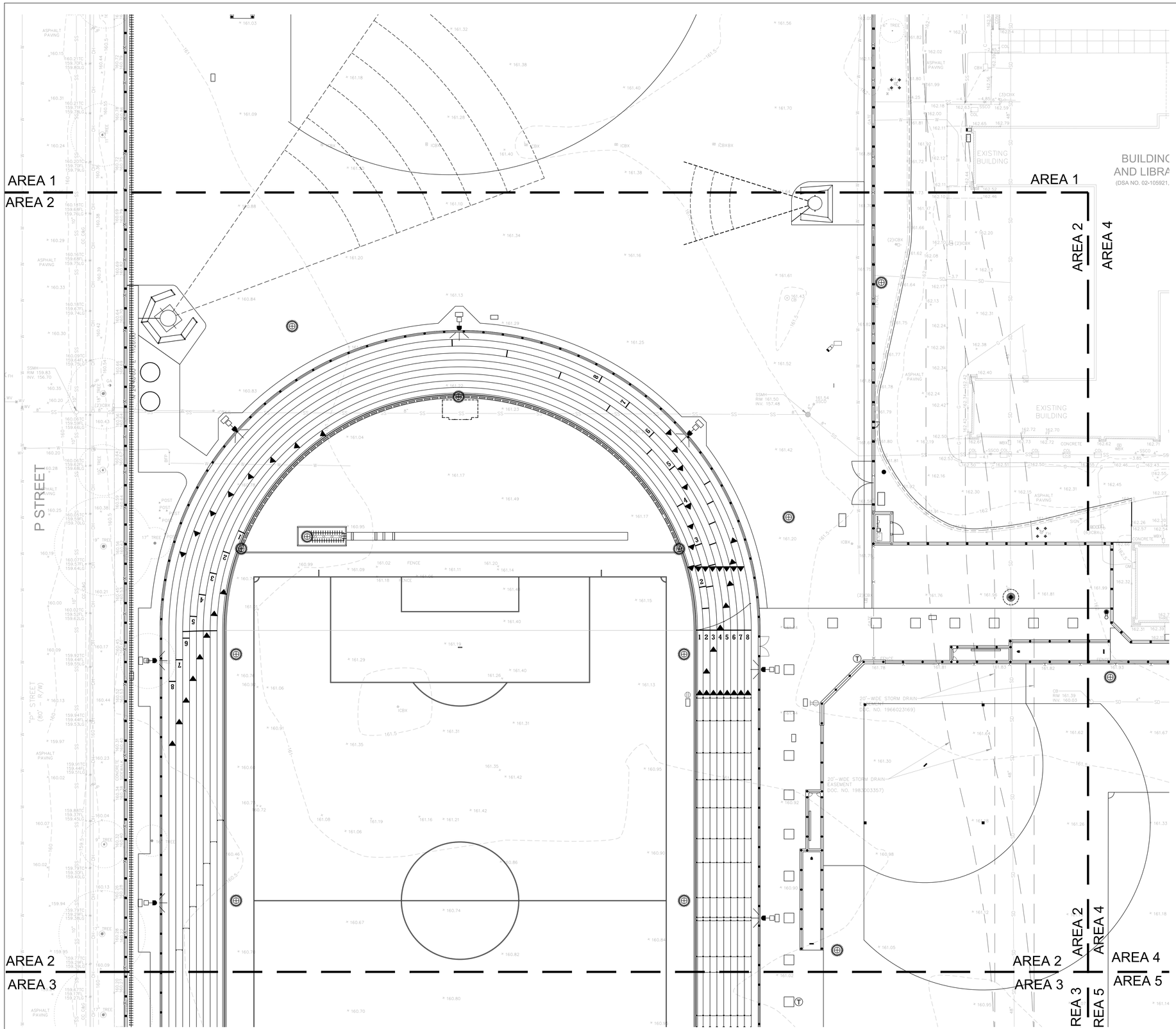
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C5.1

100% CONSTRUCTION DOCUMENTS

HOHBACH-LEWIN #: 19762.31

Plot Date: Apr 23, 2026 - 9:57 AM



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DIV. OF THE STATE ARCHITECT
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SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

- CONCRETE WASHOUT, SEE DETAIL 1/C5.6
- CATCH BASIN PROTECTION, SEE DETAIL 2/C5.6
- FIBER ROLL, SEE DETAIL 3/C5.6
- CATCH BASIN PROTECTION ALONG GUTTERS SEE DETAIL 4/C5.6
- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET L6.00. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ADELMAN
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL ENGINEERS
260 Sheridan Avenue,
Palo Alto, CA 94306
(650) 617-0500
Suite 150

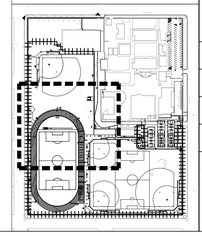
100% CONSTRUCTION DOCUMENTS

AREA 2
EROSION CONTROL PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY:AEA
SHEET NO.
C5.2

KEY PLAN



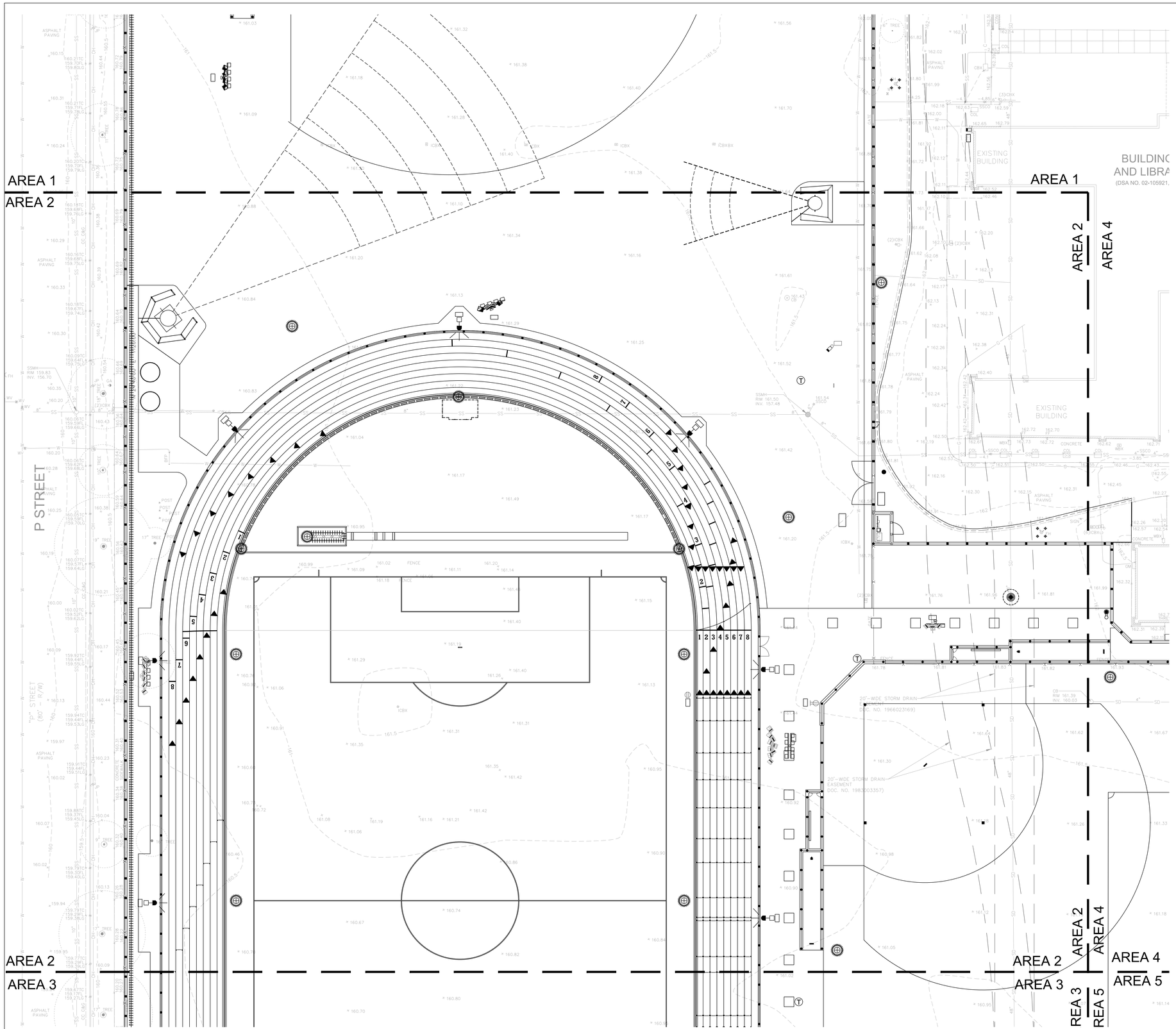
NORTH

CALL BEFORE YOU DIG
USA
800-227-2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:57 AM

HOHBACH-LEWIN # 18762.31



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

- CONCRETE WASHOUT, SEE DETAIL 1/C5.6
- CATCH BASIN PROTECTION, SEE DETAIL 2/C5.6
- FIBER ROLL, SEE DETAIL 3/C5.6
- CATCH BASIN PROTECTION ALONG GUTTERS SEE DETAIL 4/C5.6
- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET L6.00. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
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REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ADELMAN
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL ENGINEERS
260 Sheridan Avenue,
Palo Alto, CA 94306
(650) 617-0500
Suite 150

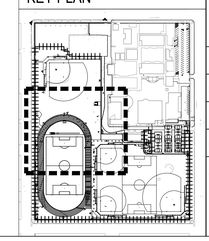
AREA 2
EROSION CONTROL PLAN
ADD ALTERNATE #2

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY:AEA
SHEET NO.
C5.2A

KEY PLAN



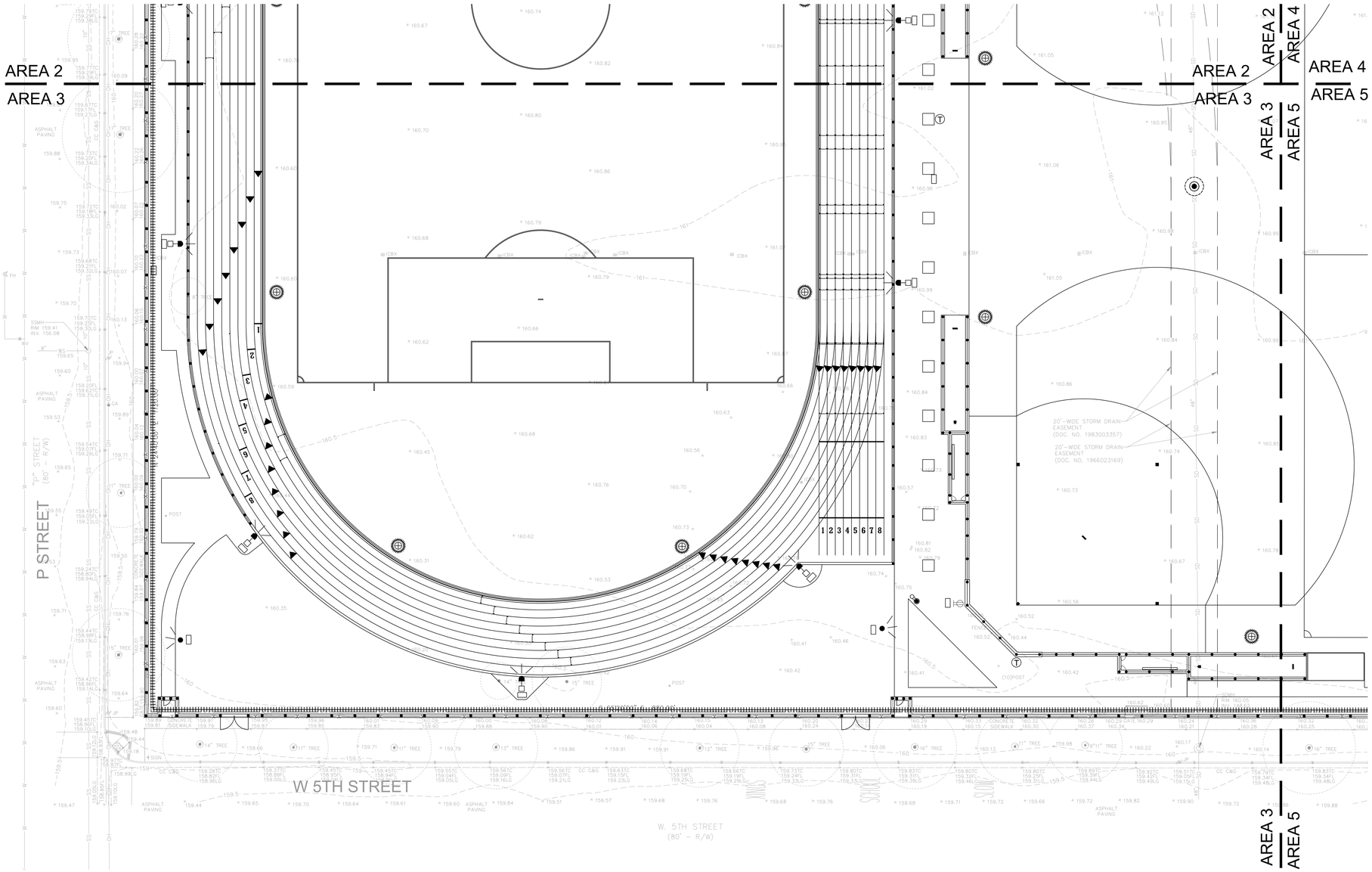
NORTH

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SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:02 AM

HOHBACH-LEWIN # 18762.31



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DATE: 04/30/2026

LEGEND

- CONCRETE WASHOUT, SEE DETAIL 1/C5.6
- CATCH BASIN PROTECTION, SEE DETAIL 2/C5.6
- FIBER ROLL, SEE DETAIL 3/C5.6
- CATCH BASIN PROTECTION ALONG GUTTERS SEE DETAIL 4/C5.6
- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET L6.00. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE.

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
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REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ABRAHAM
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL ENGINEERS
260 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 417-0500

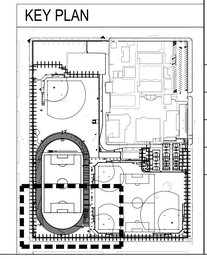
100% CONSTRUCTION DOCUMENTS

AREA 3
EROSION CONTROL PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C5.3

KEY PLAN



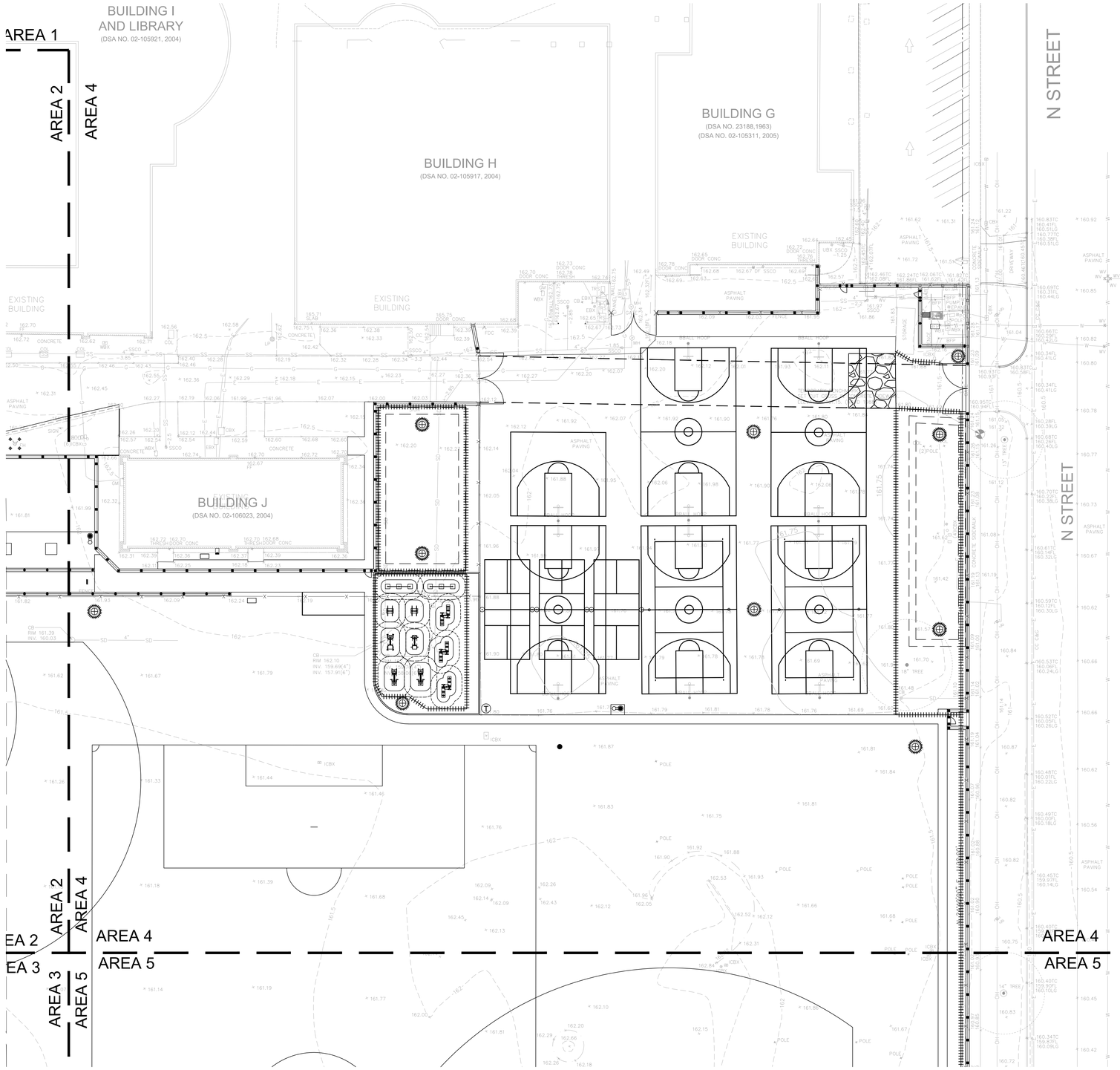
NORTH

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800-227-2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:56 AM

HOHBACH-LEWIN # 18762.31



LEGEND

- CONCRETE WASHOUT, SEE DETAIL 1/C5.6
- CATCH BASIN PROTECTION, SEE DETAIL 2/C5.6
- FIBER ROLL, SEE DETAIL 3/C5.6
- CATCH BASIN PROTECTION ALONG GUTTERS SEE DETAIL 4/C5.6
- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET L6.00. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE.

IDENTIFICATION STAMP
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APP: 02-123490 INC:
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DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARELLO
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL ✓ CIVIL ✓ MEP ✓ FIRE
260 Sheridan Avenue,
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Palo Alto, CA 94306
(650) 617-0500

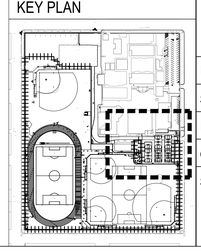
100% CONSTRUCTION DOCUMENTS

AREA 4
EROSION CONTROL PLAN

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C5.4

KEY PLAN



NORTH

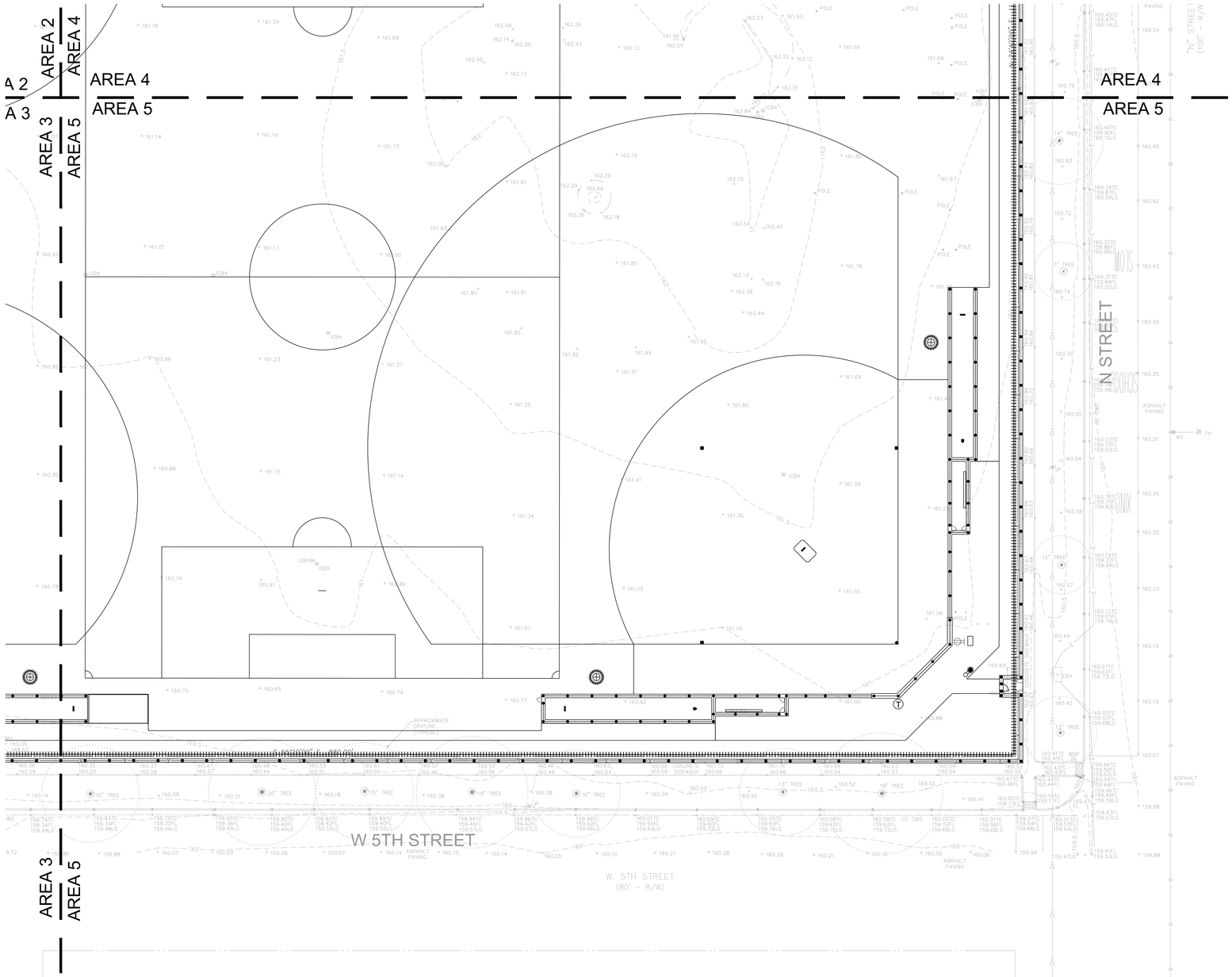
CALL BEFORE YOU DIG
USA
800-227-2600

0 10' 20' 30' 40'
SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:54 AM

HOHBACH-LEWIN #: 19762.31

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026



LEGEND

- CONCRETE WASHOUT, SEE DETAIL 1/C5.6
- CATCH BASIN PROTECTION, SEE DETAIL 2/C5.6
- FIBER ROLL, SEE DETAIL 3/C5.6
- CATCH BASIN PROTECTION ALONG GUTTERS SEE DETAIL 4/C5.6
- STABILIZED CONSTRUCTION ENTRANCE, SEE DETAIL 6, SHEET L6.00. CONTRACTOR SHALL VERIFY FINAL LOCATION WITH OWNER'S REPRESENTATIVE.

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARNOLD
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL MEP FIRE
260 Sheridan Avenue,
Palo Alto, CA 94306
(650) 617-0500

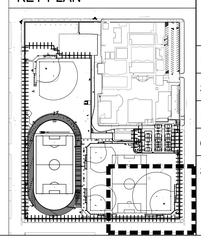
AREA 5
EROSION CONTROL PLAN

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C5.5

KEY PLAN



NORTH

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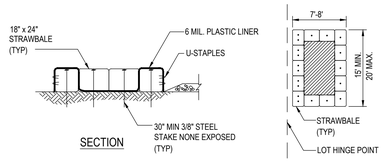
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SCALE: 1" = 20'

Plot Date: Apr 23, 2026 - 9:57 AM

HOHBACH-LEWIN # 18762.21

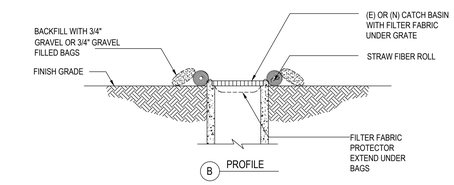
NOTES:

1. WHEN WASHING ON-SITE, USE DESIGNATED, BERMED WASH AREAS TO PREVENT WASHWATER CONTACT WITH STORM WATER, CREEKS, RIVERS, AND OTHER WATER BODIES. THE WASH AREA CAN BE SLOPED FOR WASH WATER COLLECTION AND SUBSEQUENT INFILTRATION INTO THE GROUND.
2. LOCATE WASHOUT AREA AT LEAST 50 FEET FROM STORM DRAINS, OPEN DITCHES, OR WATER BODIES. DO NOT ALLOW RUNOFF FROM THIS AREA BY CONSTRUCTING A TEMPORARY PIT OR BERMED AREA LARGE ENOUGH FOR LIQUID AND SOLID WASTE.
3. WASH OUT WASTES INTO THE TEMPORARY PIT WHERE THE CONCRETE CAN SET, BE BROKEN UP, AND THEN DISPOSED OF PROPERLY.

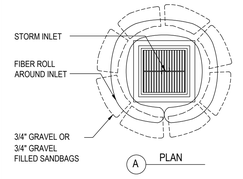


SECTION

1 CONCRETE WASH AREA



B PROFILE

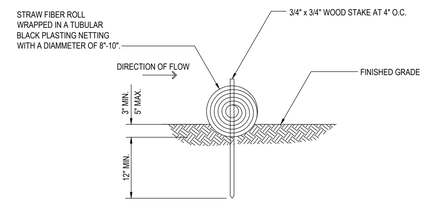


A PLAN

NOTE:

1. IF SITEWORK SURROUNDING THE CATCH BASINS HAVE BEEN CONSTRUCTED, CONTRACTOR MAY REMOVE THE STRAW FIBER ROLLS AND GRAVEL BACKFILL. FILTER FABRIC SHALL REMAIN IN PLACE UNTIL COMPLETION OF THE PROJECT.

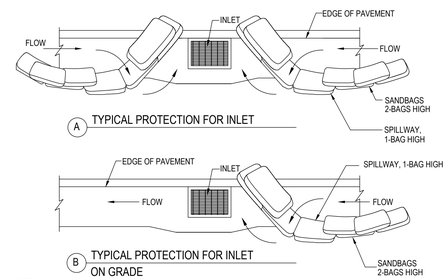
2 CATCH BASIN PROTECTION (TYP.)



NOTES:

1. FIBER ROLL COMPOSED OF BIO-DEGRADEABLE FIBERS STUFFED INTO A PHOTO-DEGRADABLE OPEN WEAVE NETTING.
2. FIBER ROLL EROSION BARRIER TRAPS SEDIMENT AND REDUCES SHEET AND HILL SIDE EROSIONS BY REDUCING SLOPE GRADIENT. IT INCREASING INFILTRATION RATES AND BY PRODUCING A FAVORABLE ENVIRONMENT FOR PLANT ESTABLISHMENT.
3. FIBER ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE FIBER ROLL IN A TRENCH 3"-5" DEEP, DUG ON CONTOUR , RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND FIBER ROLL.

3 FIBER ROLL



A TYPICAL PROTECTION FOR INLET

B TYPICAL PROTECTION FOR INLET ON GRADE

NOTES:

1. INTENDED FOR SHORT-TERM USE.
2. USE TO INHIBIT NON-STORM WATER FLOW.
3. ALLOW FOR PROPER MAINTENANCE AND CLEANUP.
4. BAGS MUST BE REMOVED AFTER ADJACENT OPERATION IS COMPLETED.
5. NOT APPLICABLE IN AREAS WITH HIGH SILTS AND CLAYS WITHOUT FILTER FABRIC.

4 CATCH BASIN PROTECTION ALONG GUTTERS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

REGISTERED PROFESSIONAL ENGINEER
ANDREW E. ARNOLD
No. C 66532
Exp. 06-30-26
CIVIL
STATE OF CALIFORNIA

CONSULTANT

HOHBACH-LEWIN, INC.
EDUCATIONAL FACILITY PLANNERS
260 Sheridan Avenue
Suite 150
Palo Alto, CA 94306
(650) 617-0500

EROSION CONTROL DETAILS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C5.6

100% CONSTRUCTION DOCUMENTS

HOHBACH-LEWIN # 18762.21

Plot Date: Apr 23, 2026 - 9:54 AM

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
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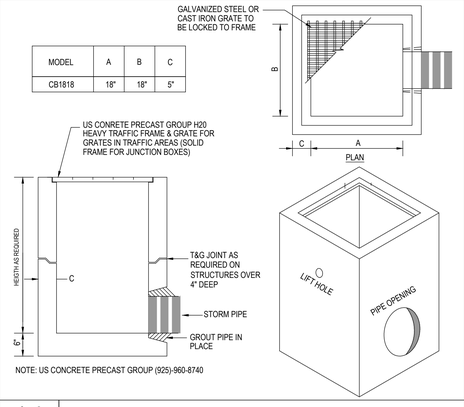
CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL ENGINEERS
350 Sheridan Avenue
Palo Alto, CA 94306
(650) 917-0500

18

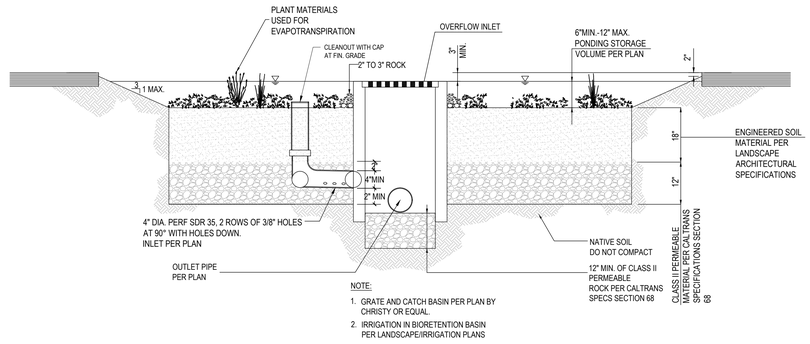
14 CATCH BASIN NTS

MODEL	A	B	C
CB1818	18"	18"	5"



NOTE: US CONCRETE PRECAST GROUP (925)-960-8740

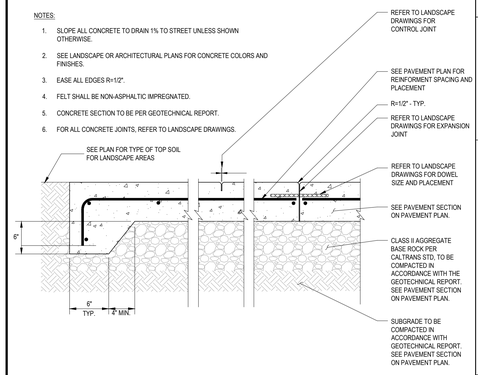
10 SWALE CROSS-SECTION NTS



NOTE:
1. GRATE AND CATCH BASIN PER PLAN BY CHRISTY OR EQUAL.
2. IRRIGATION IN BIORETENTION BASIN PER LANDSCAPE/IRRIGATION PLANS

2 TYPICAL CONCRETE PAVING DETAIL NTS

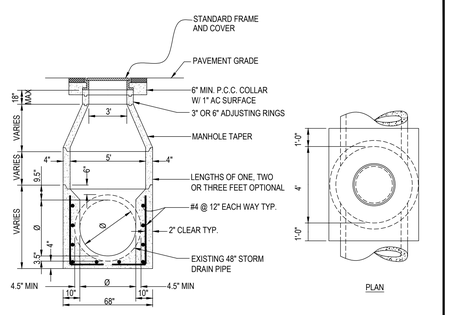
NOTES:
1. SLOPE ALL CONCRETE TO DRAIN 1% TO STREET UNLESS SHOWN OTHERWISE.
2. SEE LANDSCAPE OR ARCHITECTURAL PLANS FOR CONCRETE COLORS AND FINISHES.
3. EASE ALL EDGES R=1/2".
4. FELT SHALL BE NON-ASPHALTIC IMPREGNATED.
5. CONCRETE SECTION TO BE PER GEOTECHNICAL REPORT.
6. FOR ALL CONCRETE JOINTS, REFER TO LANDSCAPE DRAWINGS.



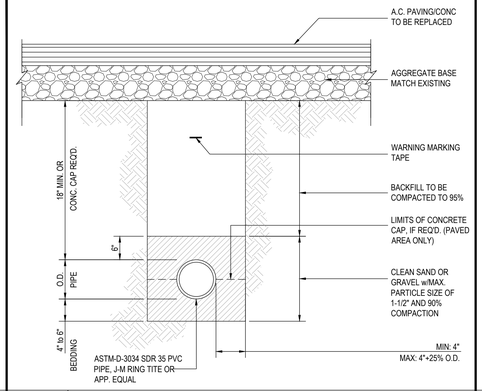
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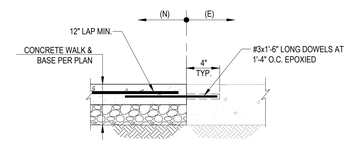
11 STORM DRAIN MANHOLE NTS



7 UTILITY TRENCH NTS



3 NEW CONCRETE TO EXISTING CONCRETE CONNECTION NTS



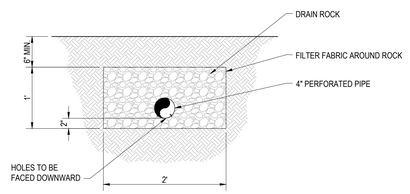
NOTES
1. SEE PLANS FOR CONCRETE OR BASE ROCK THICKNESS.
2. SEE SOILS REPORT FOR COMPACTION REQUIREMENTS.
3. ALL COMPACTION SHALL BE PERFORMED UNDER THE DIRECTION OF THE SOILS ENGINEER.
4. SEE SOILS REPORT FOR SUBGRADE REQUIREMENTS.
5. ROUGH EXISTING CONCRETE SURFACE AT JOINT.

DETAILS

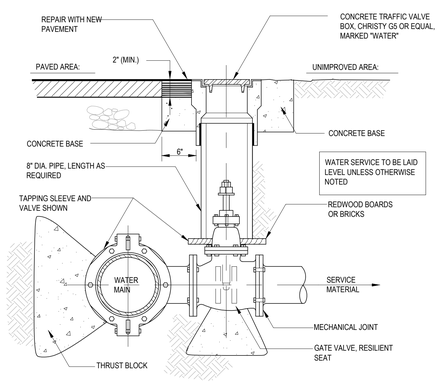
100% CONSTRUCTION DOCUMENTS

20

16 PERFORATED PIPE TYP. NTS

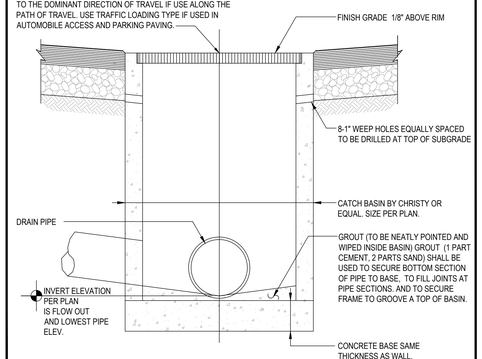


12 WATER VALVE CONNECTION NTS

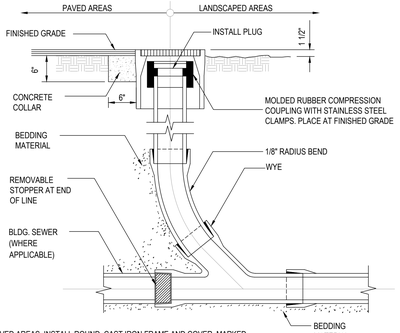


8 CATCH BASIN NTS

GRATE & CATCH BASIN PER PLAN BY CHRISTY OR EQUAL. MEET ADA REQUIREMENTS; 1/2" MAX OPENING CLEARANCE INSTALLED WITH THE ELONGATED OPENING PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IF USE ALONG THE PATH OF TRAVEL. USE TRAFFIC LOADING TYPE IF USED IN AUTOMOBILE ACCESS AND PARKING PAVING.



4 CLEANOUT TO GRADE NTS



NOTES:
1. FOR PAVED AREAS, INSTALL ROUND, CAST IRON FRAME AND COVER, MARKED "SEWER" OR "STORM" AS APPLICABLE.
2. FOR LANDSCAPED AREAS, INSTALL ROUND, CONCRETE VALVE BOX WITH CAST IRON FACE AND COVER, MARKER "SEWER" OR "STORM" AS APPLICABLE.

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 04/22/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
C6.1

HOHBACH-LEWIN #: 18762.21

Plot Date: Apr 23, 2026 - 9:51 AM

STRUCTURAL GENERAL NOTES

- GENERAL

A. THESE DRAWINGS ARE COPY RIGHTED INSTRUMENTS OF SERVICE OF HOHBACH-LEWIN, INC. FOR USE ONLY ON THIS PROJECT.

B. CONTRACTOR RESPONSIBILITY - CONSTRUCTION DOCUMENTS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, SEQUENCES AND SAFETY PRECAUTIONS, INCLUDING BUT NOT LIMITED TO SHORING AND TEMPORARY BRACING.

C. DIMENSIONS - USE WRITTEN DIMENSIONS ONLY. VERIFY ALL DIMENSIONS AT JOB SITE BEFORE COMMENCING WORK AND REPORT ANY DISCREPANCIES. WHERE NO DIMENSIONS ARE PROVIDED, OBTAIN CLARIFICATION PRIOR TO PROCEEDING WITH WORK. DO NOT SCALE DRAWINGS.

D. COORDINATION - OPENINGS THROUGH WALLS AND FLOORS FOR MECHANICAL AND ELECTRICAL SYSTEMS SHALL BE COORDINATED BY CONTRACTOR AND CONSTRUCTED PER TYPICAL DETAILS SHOWN IN THESE DOCUMENTS. NO MECHANICAL OR ELECTRICAL SYSTEM COMPONENTS SHALL BE EMBEDDED IN SLABS OR WALLS UNLESS SPECIFICALLY DETAILED IN THESE DOCUMENTS.

E. OMISSIONS AND CONFLICTS - OMISSIONS OR CONFLICTS BETWEEN VARIOUS ELEMENTS OF THE CONSTRUCTION DOCUMENTS SHOULD BE BROUGHT TO THE ATTENTION OF THE DESIGN TEAM. IF CERTAIN FEATURES ARE NOT FULLY DELINEATED IN THE CONSTRUCTION DOCUMENTS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR SIMILAR CONDITIONS THAT ARE DELINEATED.

F. STRUCTURAL DRAWINGS ARE INTENDED TO BE USED WITH ARCHITECTURAL AND MECHANICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING SUCH REQUIREMENTS INTO THEIR SHOP DRAWINGS AND WORK.

G. THERE SHALL BE NO CHANGE IN SIZE OR DIMENSION OF A STRUCTURAL MEMBER, NOR SHALL ANY OPENINGS BE MADE IN ANY STRUCTURAL MEMBER, WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER.

H. THE CONTRACTOR IS RESPONSIBLE FOR LIMITING THE AMOUNT OF CONSTRUCTION LOAD IMPOSED UPON THE STRUCTURE. CONSTRUCTION LOADS SHALL NOT EXCEED THE DESIGN CAPACITY OF THE STRUCTURE AT THE TIME THE LOADS ARE IMPOSED.

I. THE CONTRACTOR SHALL INFORM THE ENGINEER IN WRITING OF ANY DEVIATION FROM THE CONTRACT DOCUMENTS.

J. SEE DRAWINGS OTHER THAN STRUCTURAL FOR: TYPES OF FLOOR FINISH AND THEIR LOCATION, DEPRESSIONS IN FLOOR SLABS, OPENINGS IN WALLS AND FLOORS REQUIRED BY ARCHITECTURAL AND MECHANICAL FEATURES, AND ROADWAY PAVING, WALKS, RAMPS, STAIRS, CURBS, ETC,.

K. TYPICAL DETAILS - DETAILS NOTED AS TYPICAL ARE APPLICABLE WHERE SPECIFIED ON THE STRUC DRAWINGS AND WHENEVER THE CONDITION OCCURS THROUGHOUT THR PROJECT, INCLUDING LOCATIONS WHERE THE DETAIL IS NOT EXPLICITLY SPECIFIED OR REFERENCED, IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY LOCATIONS WHERE TYPICAL DETAILS ARE APPLICABLE PRIOR TO CONSTRUCTION.

- DESIGN BASIS

A. APPLICABLE CODE: CALIFORNIA BUILDING CODE (CBC), 2022 EDITION.

B. VERTICAL LOAD - LIVE LOADS:
1. ROOF: VARIES WITH SLOPE (20 psf max.)

C. VERTICAL LOAD - ROOF SNOW LOAD: 0 psf (elevation at site = 162.5')

D. LATERAL LOADS:
1. DESIGN WIND CRITERIA: PER ASCE 7-16
BASIC DESIGN WIND SPEED: 94 mph
WIND EXPOSURE: C
2. DESIGN SEISMIC CRITERIA:
SITE CLASS: D
S_{DS} = .51g
S_{D1} = .51g
SEISMIC DESIGN CATEGORY= D
RISK CATEGORY = II
BASIC SEISMIC FORCE RESISTING SYSTEM: NON-BUILDING STRUCTURE, NOT SIMILAR TO BUILDINGS
C_S = 0.340
R = 1.5
Ω = 1.5
ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

E. GEOTECHNICAL CRITERIA:

1. DESIGN OF FOUNDATION IS BASED ON THE CRITERIA PER GEOTECHNICAL REPORT PREPARED BY: VISHA CONSULTANTS
REPORT #: 25-0109
DATED: JUNE 6, 2025
2. ALLOWABLE SOIL BEARING PRESSURE:
DEAD + LIVE: 2000 psf
DEAD + LIVE + WIND OR SEISMIC: 2667 psf
3. COEFFICIENT OF FRICTION: 0.35
4. PASSIVE PRESSURE: 300 pcf UP TO 4500 psf
5. ALL ENGINEERED FILL SHALL HAVE A MINIMUM RELATIVE COMPACTION PER PROJECT GEOTECHNICAL REPORT.

- CONCRETE

A. CONCRETE SHALL BE SUPPLIED AND PLACED IN ACCORDANCE WITH ACI 318.

B. CONCRETE SHALL BE AS FOLLOWS:

CONCRETE USE	STRENGTH AT 28 DAYS U.O.N.	W/C RATIO	MAX. AGGREGATE SIZE	WEIGHT	SHRINKAGE
DRILLED PIERS	4000 psi	0.50 MAX.	3/4" TO 1"	145pcf	-
SLAB ON GRADE	3000 psi	0.45 MAX.	3/4" TO 1" (LS)	145 pcf	.045%

(LS) CRUSH LOW SHRINKAGE ROCK
* ADD FIBER MESH TO ALL EXPOSED TOPPING SLAB, TYP. U.O.N.

C. STRENGTH: COMPRESSIVE STRENGTH IN PSI WHEN TESTED IN ACCORDANCE WITH ASTM C39

D. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150, TYPE II.

E. AGGREGATE FOR STONE CONCRETE SHALL CONFORM TO ASTM C-33. FOR LOW SHRINKAGE AGGREGATE; USE LIMESTONE OR GRANITE. AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM TO ASTM C-330.

F. FLY ASH: ASTM C 618, CLASS F OR CLASS C. MINIMUM RECOMMENDED FLY ASH F. CONTENT BY MASS OF CEMENTITIOUS MATERIAL IS 20%. MAXIMUM RECOMMENDATION IS 25%.

G. ADMIXTURES: MIX SHALL CONTAIN POLYMER BASED, WATER REDUCING ADMIXTURE. THE FOLLOWING TYPES OF ADMIXTURES ARE ALLOWED AS PLASTICIZERS AND/ OR SET ACCELERATORS TO IMPROVE WORKABILITY. 1. ASTM C494, TYPES A, C, E, G. HIGH RANGE WATER REDUCERS SHALL ALSO MEET REQUIREMENTS OF ASTM C 1017. 2. THE INITIAL SLUMP OF THE CONCRETE BEFORE INTRODUCING ADMIXTURES SHOULD BE MINIMUM 2" INCHES

H. SHRINKAGE - CONTRACTOR TO PROVIDE CONCRETE MIX HISTORY DATA OR PROVIDE TESTING REPORT.

I. MINIMUM REINF. COVER FOR CAST-IN-PLACE CONCRETE:
1. CONC. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH . . . . . 3"
2. CONC. FORMED BELOW GRADE OR EXPOSED TO WEATHER:
NO. 6 AND GREATER . . . . . 2"
NO. 5 AND SMALLER . . . . . 1 1/2"
3. CONC. NOT EXPOSED TO WEATHER NOR IN CONTACT WITH GROUND:
SLABS, WALLS, AND JOISTS: NO. 11 AND SMALLER . . . . . 1"
BEAMS AND COL: PRIMARY REINF., TIES, STIRRUPS, SPIRALS . . . . . 1 1/2"

J. PLACEMENT
1. ALL REINFORCING BARS, ANCHOR BOLTS, AND ALL OTHER CONC. INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
2. CHAMFER ALL CORNERS OF CONCRETE TO PREVENT DAMAGE.
3. CONSTRUCTION TOLERANCE SHALL COMPLY TO ACI 117.
4. CONCRETE SHALL BE PLACED IN A CONTINUOUS OPERATION BETWEEN PREDETERMINED CONSTRUCTION JOINTS.
5. USE VIBRATORS TO CONSOLIDATE CONCRETE. DO NOT USE VIBRATORS TO MOVE CONCRETE.
6. CONCRETE SHALL BE CONTINUOUSLY CURED FOR 7 DAYS AFTER PLACEMENT IN ANY APPROVED MANNER. FOOTINGS ARE EXEMPTED FROM THIS REQUIREMENT.
7. PATCHING OF CONCRETE: ALL INSERT HOLES AND OTHER IMPERFECTIONS ON THE SURFACES OF THE CONCRETE SHALL BE FILLED WITH GROUT, BRUSHED AND SACKED TO A UNIFORM FINISH.

K. PIPES - PLASTIC OR METAL (NON-ALUMINUM) CONDUITS MAY BE EMBEDDED IN THE SLAB PROVIDED THAT THE FOLLOWING CRITERIA ARE MET:
1. NO PIPES OR CONDUITS, OTHER THAN ELECTRICAL, SHALL BE EMBEDDED IN STRUCTURAL CONCRETE. ALL ELECTRICAL PIPES/CONDUITS EMBEDDED WITHIN CONCRETE SLAB(S) SHALL BE REVIEWED AND APPROVED BY SEOR PRIOR TO INSTALLATION. THE CONDUIT LAYOUT PLANS SHALL ONLY INCLUDE CONDUITS TO BE INSTALLED WITHIN THE CONCRETE SLAB(S) AND SHALL INCLUDE THE SIZE, SPACING, AND LAYOUT OF EACH CONDUIT.
2. THE MAXIMUM CONDUIT SIZE SHALL BE 1 3/4 INCH OUTSIDE DIAMETER
3. CONDUITS TO BE LIMITED TO TEN (10) CONDUITS EVERY TEN (10) FEET
4. LOCATE CONDUITS WITHIN THE MIDDLE THIRD OF THE SLAB THICKNESS
5. PROVIDE A MINIMUM OF SIX (6) INCHES CLEAR SPACING BETWEEN ADJACENT CONDUIT

L. PENETRATIONS - PENETRATIONS SHALL NOT BE PERMITTED IN BEAMS OR DROP CAPS EXCEPT AS SHOWN IN P/T DRAWINGS OR TYPICAL DETAILS.

M. INSERTS - ALL INSERTS AND SLEEVES SHALL BE CAST IN PLACE WHENEVER POSSIBLE. DRILLED AND POWER-DRIVEN FASTENERS WILL BE PERMITTED ONLY WHEN IT CAN BE SHOWN THAT THE INSERTS WILL NOT SPALL THE CONCRETE AND ARE LOCATED TO AVOID THE P/T TENDONS AND ANCHORAGES. THE CONTRACTOR MUST LOCATE TENDONS ON THE SURFACE SLAB.

N. CONSTRUCTION JOINTS:
1. CONSTRUCTION JOINTS SHOWN MAY BE PROVIDED AT CONTRACTORS OPTION. ANY PROPOSED CONSTRUCTION JOINTS NOT SHOWN MUST BE SUBMITTED TO THE DESIGN PROFESSIONAL OF RECORD FOR APPROVAL.
2. ROUGHENED CONSTRUCTION JOINTS (R.C.J.): WHERE NOTED ON DRAWINGS R.C.J. ROUGHEN JOINT TO MINIMUM 1/4 INCH AMPLITUDE.

P. ALL CONC. TO BE REINFORCED UNLESS SPECIFICALLY MARKED "NOT REINFORCED".

- REINFORCING STEEL

A. REINFORCING STEEL SHALL BE PLACED IN ACCORDANCE WITH ACI 315 AND ACI 318.

B. REINFORCING STEEL SHALL BE AS FOLLOWS:

REINF.	TYPE
BARS/TIES/SPIRALS	ASTM A615, GRADE 60, U.O.N.
WELDED REINF.	ASTM A706, GRADE 60 OR 80 AS NOTED
TIE AND SPIRAL WIRE REINF.	ASTM A1064, GRADE 60
WELDED WIRE REINF.	ASTM A1064, GRADE 60
REINF. USE	TYPE
DRILLED PIERS	ASTM A615, GRADE 60

* THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED Fy BY MORE THAN 18,000 PSI; AND THE RATIO OF THE ACTUAL TENSILE STRENGTH TO THE ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25.

C. DO NOT FIELD BEND OR STRAIGHTEN IN ANY MANNER THAT WILL DAMAGE REINFORCING.

D. PROVIDE SPLICES IN REINFORCING ONLY WHERE SHOWN ON DRAWINGS OR APPROVED IN WRITING BY ENGINEER OF RECORD.

E. WELDING TO CONFORM TO AWS D1.4

- EPOXY ANCHORS (CONCRETE INSTALLATION ONLY)

A. EPOXY ADHESIVE SHALL BE SIMPSON SET 3G (ESR-4057) OR EQUAL PRODUCT. ALTERNATE PRODUCTS MUST BE SUBMITTED TO E.O.R. FOR SUBSTITUTION PRIOR TO INSTALLATION PER SPECIFICATIONS.

B. INSTALLATION: INSTALL THE EPOXY ANCHORS IN ACCORDANCE WITH THE REQUIREMENTS GIVEN IN MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC ANCHOR. CONTRACTOR TO NOTIFY E.O.R. OF ANY ANCHOR/ DOWEL LOCATIONS TO BE REPAIRED. E.O.R. TO REVIEW AND APPROVE ANCHORAGE LOCATIONS PRIOR TO THE EPOXY ANCHORAGE INSTALLATION.

C. SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1704 OF THE CBC. (1704A OF THE CBC FOR DSA PROJECTS)

D. NOTIFY ARCHITECT IMMEDIATELY IF ELEMENTS WITH EXISTING STRUCTURE PREVENT DRILLING AT THE LOCATIONS SHOWN ON THE DRAWINGS.

E. DO NOT SUBSTITUTE EPOXIED DOWELS FOR HOOKED BARS.

F. WHEN EPOXY ANCHORS ARE USED FOR SILL PLATE BOLTING, 10% OF THE ANCHORS SHALL BE TENSION TESTED. FOR ALL OTHER STRUCTURAL APPLICATIONS, ALL SUCH EPOXY ANCHOR SHALL BE TENSION TESTED. WHEN EPOXY ANCHORS ARE USED FOR NON-STRUCTURAL APPLICATIONS, 50% OF ANCHORS SHALL BE TENSION TESTED. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS.

G. CONCRETE AT TIME OF INSTALLATION SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI AND SHALL HAVE A MINIMUM AGE OF 21 DAYS

MIN. WITH f'c= 2500 PSI CONCRETE (NORMAL WEIGHT CONCRETE) EXISTING CONCRETE STRENGTH IN FIELD. **				VERIFY MINIMUM		
REINF. DOWEL	THREADED ANCHOR ROD	HOLE DIAMETER	MIN. EMBED.	MIN. EDGE DISTANCE *	MIN. SPACING	TENSION TEST VALUE ***
#3	3/8" DIA	1/2" DIA.	2 3/8"	1 3/4"	8"	1,590#
#4	1/2" DIA.	5/8" DIA.	4"	4 1/2"	12"	4,080#
#5	5/8" DIA.	3/4" DIA.	5"	4 3/4"	15"	5,600#
#6	3/4" DIA.	7/8" DIA.	6"	5 1/2"	18"	7,200#
#7	7/8" DIA.	1" DIA.	8"	7"	24"	10,800#
#8	1" DIA.	1 1/8" DIA.	8 1/2"	7"	26"	11,460#

* MINIMUM EDGE DISTANCE LIMITATION ASSUMED FROM ONE EDGE ONLY.

** FOR SINGLE ANCHORS WITH NO ADDITIONAL EDGE DISTANCE OR SPACING REDUCTIONS. FOR OTHER CASES, REDUCTION OF VALUES CALCULATED PER ACI 318 IS REQUIRED.

*** TENSION TEST VALUES CORRESPOND TO THE LESSER OF 1.25x CRACKED CONCRETE STRENGTH AND 0.8x THE MINIMUM ANCHOR YIELD STRENGTH.

- EXPANSION ANCHORS (SIMPSON)

A. EXPANSION BOLTS SHALL BE SIMPSON STRONG BOLT 2 STANLESS STEEL ANCHOR (ESR-3037) OR EQUAL PRODUCTS. ALTERNATE PRODUCTS MUST BE SUBMITTED TO E.O.R. FOR SUBSTITUTION PRIOR TO INSTALLATION PER SPECIFICATIONS,

B. INSTALLATION: INSTALL THE EXPANSION ANCHORS IN ACCORDANCE WITH THE REQUIREMENTS GIVEN MANUFACTURER'S RECOMMENDATIONS FOR THE SPECIFIC ANCHOR. CONTRACTOR TO NOTIFY E.O.R. OF ANY ANCHOR/ DOWEL LOCATIONS TO BE REPAIR. E.O.R. TO REVIEW AND APPROVE ANCHORAGE LOCATIONS PRIOR TO THE EXPANSION ANCHORAGE INSTALLATION.

C. SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH SECTION 1704 OF THE CBC. (1704A OF THE CBC FOR DSA PROJECTS)

D. WHEN EXPANSION ANCHORS ARE USED FOR SILL PLATE BOLTING, 10% OF THE ANCHORS SHALL BE TENSION TESTED. FOR ALL OTHER STRUCTURAL APPLICATIONS, ALL SUCH EXPANSION ANCHOR SHALL BE TENSION TESTED. WHEN EXPANSION ANCHORS ARE USED FOR NON-STRUCTURAL APPLICATIONS, 50% OF ANCHORS SHALL BE TENSION TESTED. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS.

E. CONCRETE AT TIME OF INSTALLATION SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AND SHALL HAVE A MINIMUM AGE OF 21 DAYS

MIN. f'c = 2500 PSI (NORMAL WEIGHT CONCRETE) VERIFY MINIMUM EXISTING CONCRETE STRENGTH IN FIELD. *				
DIA.	MIN. EMBED = MIN. HOLE DEPTH	MIN. EDGE DISTANCE	MIN. SPACING	TENSION TEST VALUE **
1/2"	3 7/8"	7 7/8"	11 5/8"	1,915#
5/8"	5 1/8"	9 5/8"	15 3/8"	3,800#
3/4"	5 3/4"	11 3/4"	17 1/4"	5,800#
1"	9 3/4"	13 1/2"	29 1/4"	6,900#

* FOR SINGLE ANCHORS WITH NO EDGE DISTANCE OR SPACING REDUCTIONS. FOR OTHER CASES, REDUCTION OF VALUES CALCULATED PER ACI 318 IS REQUIRED

** TENSION TEST VALUES ONLY AND CORRESPOND WITH 1.25x MAXIMUM DESIGN STRENGTH TENSION LOADS.

- SPECIAL INSPECTIONS

SPECIAL INSPECTIONS AND TESTING WILL BE PERFORMED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, THE ATTACHED FORM DSA-103 AND CBC SECTIONS 1704A, 1705A, 1707A AND 1708A.

- TESTING

REQUIRED STRUCTURAL TESTS ARE LISTED ON THE ATTACHED FORM DSA-103. SEE THE FORM DS-103 FOR ADDITIONAL REQUIREMENTS.

- STRUCTURAL OBSERVATION (BY HOHBACH-LEWIN, INC.)

HOHBACH-LEWIN SHALL BE NOTIFIED FOR STRUCTURAL OBSERVATION AT THE STAGES OF CONSTRUCTION INDICATED BELOW. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE A MINIMUM OF 48 HOURS NOTICE IN ADVANCE OF COVERING STRUCTURAL ELEMENTS WITH CONCRETE, FINISHES, OR OTHER VISUAL OBSTRUCTIONS. THE CONTRACTOR SHALL PROVIDE SUITABLE TIME TO MAKE A REQUIRED CORRECTIONS FOLLOWING SITE OBSERVATION BY THE ENGINEER.

STRUCTURAL OBSERVATIONS ARE REPRESENTATIVE LOCATIONS OF THE STRUCTURE FOR GENERAL CONFORMANCE WITH THE APPROVED STRUCTURAL DRAWINGS AND DO NOT WAIVE THE NEED FOR INSPECTION AND SPECIAL INSPECTION.

HOHBACH-LEWIN SHALL BE NOTIFIED AT THE FOLLOWING STAGES OF CONSTRUCTION:

1. PRIOR TO PLACING CONCRETE ONCE REINFORCING, CAST-IN -ANCHORAGES, AND OTHER CONCRETE EMBEDMENTS ARE IN PLACE.

- CONTRACTOR SUBMITTALS

THE FOLLOWING IS A LISTING OF REQUIRED ITEMS TO BE SUBMITTED TO STRUCTURAL ENGINEER OF RECORD (TO BE PROVIDED IF MARKED):

SUBMITTAL	CERTIFICATE	SHOP DRAWINGS (2)	CALCS W/ ENG. STAMP	DEFERRED SUBMITTAL (1)
DRILLED PIER REINFORCING STEEL		X		
CONCRETE REINF. STEEL	X	X		
CONCRETE MIX DESIGN		X		

(1) DEFERRED SUBMITTALS SHALL FIRST BE SUBMITTED TO THE PROJECT ARCHITECT AND/OR ENGINEER FOR REVIEW AND COORDINATION, THEN SUBMITTED TO THE APPROPRIATE JURISDICTION FOR APPROVAL. THIS SUBMITTAL SHALL INCLUDE HOHBACH-LEWIN'S SHOP DRAWING STAMP INDICATING THE STRUCTURAL REVIEW HAS BEEN COMPLETED AND THAT THE PLANS AND CALCULATIONS FOR THE DEFERRED APPROVAL ITEMS ARE IN GENERAL COMPLIANCE WITH THE INFORMATION PROVIDED WITHIN THE CONTRACT DOCUMENTS.

(2) ELECTRONIC SHOP DRAWINGS ARE TO BE SUBMITTED TO HOHBACH-LEWIN FOR REVIEW. AT HOHBACH-LEWIN'S REQUEST, THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING HARD COPIES OF SHOP DRAWINGS FOR REVIEW.

STRUCTURAL SHEET INDEX

S100	STRUCTURAL GENERAL NOTES
S501	TYPICAL CONCRETE DETAILS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

ABBREVIATIONS

&	AND	PL	PLATE
@	AT	PERP.	PERPENDICULAR
A.B.	ANCHOR BOLT	PLY	PLYWOOD
ADDTL.	ADDITIONAL	P.T.	PRESERVATIVE TREATED
ARCH.	ARCHITECTURAL	P/T	POST-TENSIONS
A.Y.C.	ALASKAN YELLOW CEDAR	PSL	PARALLEL STRAND LUMBER
BLDG.	BUILDING		
BLKG.	BLOCKING	R.C.J.	ROUGHENED CONSTRUCTION JOINT
BM.	BEAM	REINF.	REINFORCEMENT
B.N.	BOUNDARY NAIL	REQD.	REQUIRED
B.O.C.	BOTTOM OF CONCRETE		
BOT.	BOTTOM	S	SOUTH
CL	CENTER LINE	S.A.D.	SEE ARCHITECTURAL DRAWINGS
CANT.	CANTILEVER		
CBC	CALIFORNIA BUILDING CODE	S.C.	SLIP CRITICAL
		S.C.D.	SEE CIVIL DRAWINGS
C.D.F.	CONTROLLED DENSITY FILL	SCHED.	SCHEDULE
C.G.S.	CENTER OF GRAVITY OF POST-TENSIONING STRAND	SDS	SELF-DRIVING SCREW
		SIM.	SIMILAR
C.I.P.	CAST-IN-PLACE	S.J.	SEISMIC JOINT
C.J.	CONTROL JOINT		SYSTEM
CLR.	CLEAR	S.M.D.	SEE MECHANICAL DRAWINGS
CMU	CONCRETE MASONRY UNIT		
COL.	COLUMN	SMS	SHEET METAL SCREW
COMP.	COMPRESSION	S.O.G.	SLAB-ON-GRADE
CONC.	CONCRETE	SPEC.	SPECIFICATION
CONN.	CONNECTION	SQ.	SQUARE
CONT.	CONTINUOUS	S.S.	STAINLESS STEEL
CTR.	CENTER	STD.	STANDARD
		SSH	SHORT SLOTTED HOLE
DBL	DOUBLE	SYM.	SYMMETRICAL
DET.	DETAIL		
D.F.	DOUGLAS FIR	T&B	TOP AND BOTTOM
DIA.	DIAMETER	T&G	TONGUE AND GROOVE
DO	DITTO	TD	TIEDOWN
DWG.	DRAWINGS	T.O.C.	TOP OF CONCRETE
		T.O.F.	TOP OF FOOTING
E	EAST	T.O.S.	TOP OF STEEL FRAMING
(E)	EXISTING	T.O.P.	TOP OF PLATE/ TOP OF PARAPET
EA.	EACH		
E.B.M.	EXTERIOR BUILDING MAINTENANCE	TRANS.	TRANSVERSE
		TYP.	TYPICAL
E.F.	EACH FACE		
E.J.	EXPANSION JOINT	U.O.N.	UNLESS OTHERWISE NOTED
EL.	ELEVATION	U.T.	ULTRASONIC TESTING
E.N.	EDGE NAIL		
E.W.	EACH WAY	VERT.	VERTICAL
EXP.	EXPANSION	V.I.F.	VERIFY IN FIELD
EXT.	EXTERIOR		
		W	WEST
FDN.	FOUNDATION	W/	WITH
FIN.	FINISH	WF	WIDE FLANGE
F.F.	FINISH FLOOR	W.H.S.	WELDED HEADED STUD
F.G.	FINISHED GRADE	W.J.	WALL JOINT
FLR.	FLOOR	W/O	WITHOUT
F.N.	FIELD NAIL	W.P.	WORK POINT
F.O.C.	FACE OF CONCRETE		
F.O.S.	FACE OF STUD		
F.R.T.	FIRE RETARDANT TREATED		
F.S.	FAR SIDE		
FTG.	FOOTING		
GA.	GAUGE		
GB	GRADE BEAM		
G.C.	GENERAL CONTRACTOR		
GLB	GLUE LAMINATED (BEAM)		
HCA	HEADED CONC. ANCHOR (STUD)		
HD	HOLDOWN		
HDR	HEADER		
HGR.	HANGER		
HORIZ.	HORIZONTAL		
HT.	HEIGHT		
H.S.	HIGH STRENGTH		
H.S.B.	HIGH STRENGTH BOLTS		
HSS	HOLLOW STEEL SECTION		
HSSH	HORIZONTAL SHORT SLOTTED HOLES		
INT.	INTERIOR		
J.H.	JOIST HANGER		
LLH	LONG LEG HORIZ.		
LLV	LONG LEG VERT.		
LSH	LONG SLOTTED HOLE		
LSL	LAMINATED STRAND LUMBER		
LONG.	LONGITUDINAL		
L.V.F.	LOW-VELOCITY FASTENER		
LVL	LAMINATED VENEER LUMBER		
MAX.	MAXIMUM		
MECH.	MECHANICAL		
MANUF.	MANUFACTURER		
M.B.	MACHINE BOLTS		
MIN.	MINIMUM		
MISC.	MISCELLANEOUS		
MTL.	METAL		
N	NORTH		
(N)	NEW		
NO.	NUMBER		
N.S.	NEAR SIDE		
N.T.S.	NOT TO SCALE		
O.C.	ON CENTER		
OPG.	OPENING		
OPP.	OPPOSITE		
O.H.	OPPOSITE HAND		
OSSC	OREGON STRUCTURAL SPECIALTY CODE		
O.W.S.J.	OPEN WEB STEEL JOIST		
O.W.W.J.	OPEN WED WOOD JOIST		

SYMBOLS

X / SXXX — DETAIL NUMBER / SHEET NUMBER

NEW CONTINUOUS FOUNDATION UNDER STRUCTURAL WALL

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-8000
tanakadesign.com

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL CIVIL MECHANICAL ELECTRICAL
Suite 150
260 Sheridan Avenue,
Palo Alto, CA 94306
(650) 617-0600

100% CONSTRUCTION DOCUMENTS

STRUCTURAL GENERAL NOTES

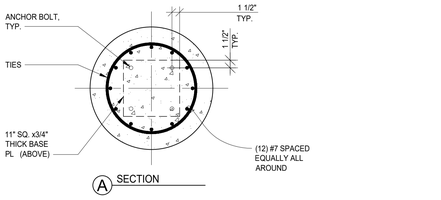
TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

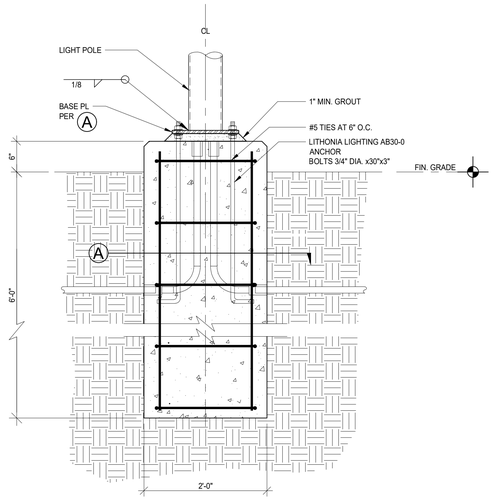
DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA

SHEET NO.
S100

HOHBACH-LEWIN #: 19782

Plot Date: Jan 16, 2026 - 11:54 AM

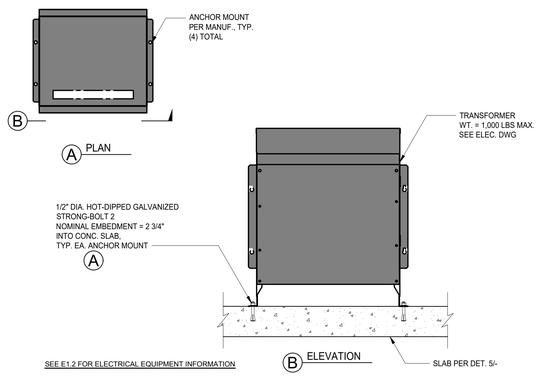




THIS DETAIL NOT SUBJECT TO REVIEW BY THE DIVISION OF THE STATE ARCHITECT

14 TYPICAL LIGHT POLE BASE - H < 25'-0"

1"=1'-0"



SEE E1.2 FOR ELECTRICAL EQUIPMENT INFORMATION

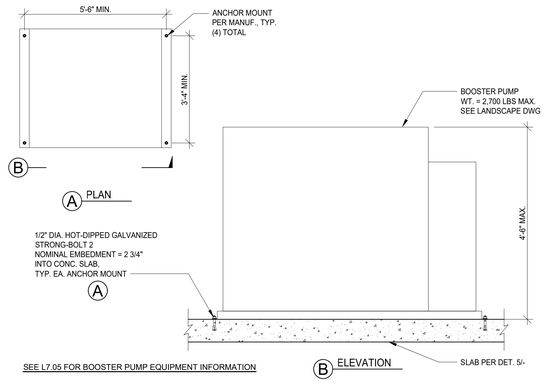
9 TRANSFORMER ANCHORAGE

NOTE:

1. FOR INFO. NOT SHOWN OR NOTED, SEE DET. 5/-.

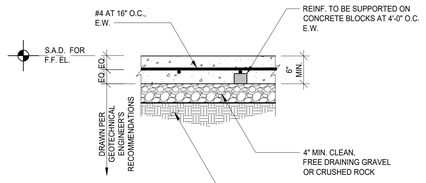
SEE E1.2 FOR ELECTRICAL EQUIPMENT INFORMATION

10 EMERGENCY INVERTER ANCHORAGE



SEE L7.05 FOR BOOSTER PUMP EQUIPMENT INFORMATION

11 BOOSTER PUMP ANCHORAGE



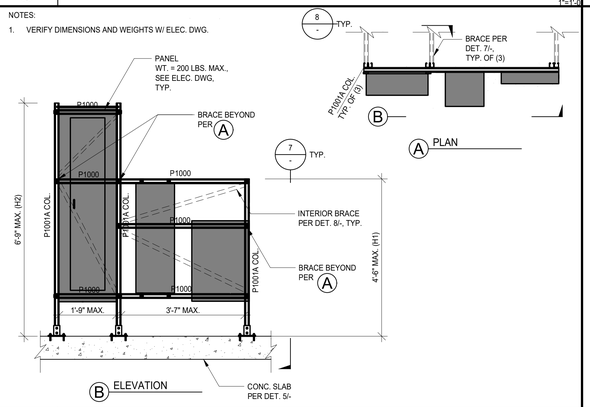
SEE E1.2 FOR ELECTRICAL EQUIPMENT INFORMATION

5 SLAB-ON-GRADE AT ELECTRICAL EQUIPMENT PAD

1"=1'-0"

NOTES:

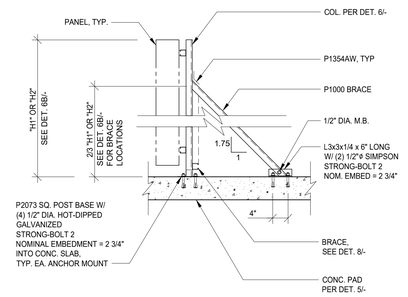
1. VERIFY DIMENSIONS AND WEIGHTS W/ ELEC. DWG.



6 ELECTRICAL PANEL SUPPORT

NOTE:

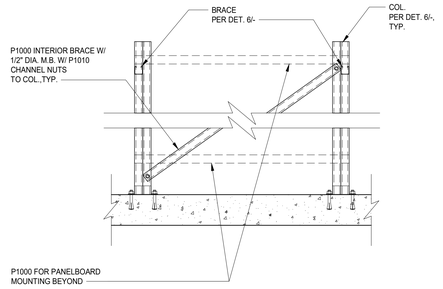
1. U.O.N. ALL STRUT TO STRUT CONNECTIONS SHALL BE MADE WITH 1/2"Ø M.B. WITH P1010 CHANNEL NUTS.
2. ALL STEEL, ANCHORS, AND HARDWARE SHALL BE HOT-DIPPED GALVANIZED.



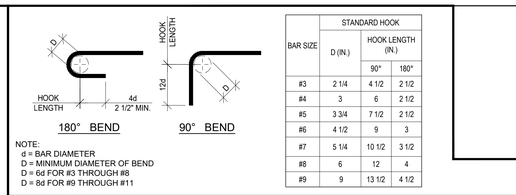
7 UNISTRUT FRAME BRACING

NOTE:

1. SEE DET. 7/- FOR INFO. NOT SHOWN.



8 UNISTRUT FRAME

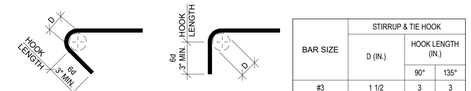


NOTE:
d = BAR DIAMETER
D = MINIMUM DIAMETER OF BEND
D = 6d FOR #3 THROUGH #8
D = 8d FOR #9 THROUGH #11

BAR SIZE	D (IN.)	STANDARD HOOK HOOK LENGTH (IN.) 90°	180°
#3	2 1/4	4 1/2	2 1/2
#4	3	6	2 1/2
#5	3 3/4	7 1/2	2 1/2
#6	4 1/2	9	3
#7	5 1/4	10 1/2	3 1/2
#8	6	12	4
#9	9	13 1/2	4 1/2

1A STANDARD REINFORCING STEEL HOOKS

N.T.S.



BAR SIZE	D (IN.)	STIRRUP & TIE HOOK HOOK LENGTH (IN.) 90°	135°
#3	1 1/2	3	3
#4	2	3	3
#5	2 1/2	4	4

NOTE:
d = BAR DIAMETER
D = MINIMUM DIAMETER OF BEND
D = 4d FOR #5 AND SMALLER

1 TYPICAL STIRRUP AND TIE HOOKS

S501-01

N.T.S.

CLASS B TENSION LAP SPLICE FOR GRADE 60 REINF. [2,3]

f'c	2,500		3,000		4,000		5,000	
BAR SIZE	TOP [1] (IN)	OTHER (IN)	TOP [1] (IN)	OTHER (IN)	TOP [1] (IN)	OTHER (IN)	TOP [1] (IN)	OTHER (IN)
#3	31	24	28	22	25	19	22	17
#4	41	32	38	29	33	25	29	23
#5	51	39	47	36	41	31	36	28
#6	61	47	56	43	49	37	44	34
#7	89	69	81	63	71	54	63	49
#8	102	78	93	72	81	62	72	56
#9	115	88	105	81	91	70	81	63
#10	127	98	116	90	101	78	90	69

STANDARD HOOK AND HEADED BAR EMBEDMENT GRADE 60 REINF.

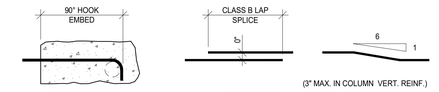
f'c	2,500		3,000		4,000		5,000	
BAR SIZE	HOOKED[4] (IN)	HEADED[4,5] (IN)	HOOKED[4] (IN)	HEADED[4,5] (IN)	HOOKED[4] (IN)	HEADED[4,5] (IN)	HOOKED[4] (IN)	HEADED[4,5] (IN)
#3	6	6	6	6	6	6	6	6
#4	8	6	8	6	7	6	7	6
#5	11	8	10	8	10	7	9	7
#6	14	10	13	10	13	9	12	9
#7	18	13	17	12	16	12	15	11
#8	21	16	20	15	19	14	18	14
#9	25	19	24	18	23	17	22	16
#10	30	22	28	21	27	20	26	19

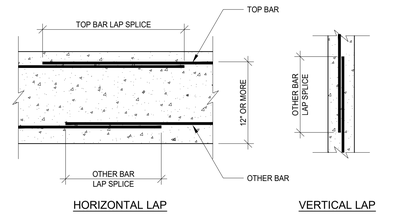
NOTES:

1. TOP BARS = HORIZONTAL BARS WITH 12" OR GREATER OF FRESH CONCRETE CAST BELOW THEM. SEE DET. 3/-.
2. LAP SPLICES ARE BASED UPON A MINIMUM CLEAR COVER GREATER THAN 1.0db AND A MINIMUM CLEAR SPACING GREATER THAN 2db. WHERE EITHER OF THESE REQUIREMENTS IS NOT MET, INCREASE THE LAP LENGTH BY 50%.
3. USE CLASS B TENSION LAP SPLICES FOR ALL BAR SPLICES U.O.N., TYP.
4. HOOKED AND HEADED BAR EMBEDMENTS ARE BASED UPON A MINIMUM CENTER-TO-CENTER SPACING OF 6db MIN. WHERE THIS REQUIREMENT IS NOT MET, INCREASE THE EMBEDMENT LENGTH BY 60%.
5. HEADED BAR SHALL HAVE A MINIMUM CLEAR COVER OF AT LEAST 2db AND NET HEAD BEARING AREA OF AT LEAST 4Ab WHERE Ab IS THE BAR AREA.
6. FOR ADDITIONAL INFORMATION, SEE DET. 3/-.

2 TYPICAL GRADE 60 REINFORCEMENT EMBED AND LAP SPLICE

S501-02A

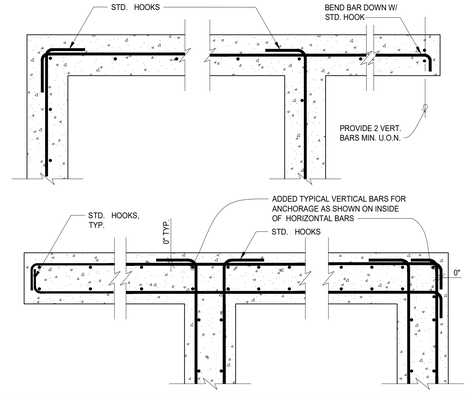




3 TYPICAL REINFORCEMENT EMBED, LAP SPLICE AND OFFSET

S501-03

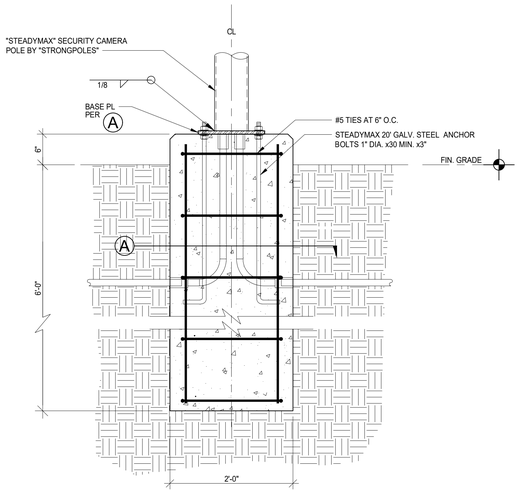
1"=1'-0"



4 TYPICAL CONCRETE MEMBER INTERSECTIONS

S501-04A

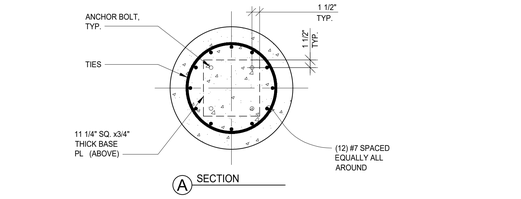
1"=1'-0"



THIS DETAIL NOT SUBJECT TO REVIEW BY THE DIVISION OF THE STATE ARCHITECT

16 SECURITY CAMERA POLE BASE - H = 20'-0"

1"=1'-0"



12

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

CONSULTANT

HOHBACH-LEWIN, INC.
STRUCTURAL & CIVIL ENGINEERS
200 Sheridan Avenue, Suite 150
Palo Alto, CA 94306
(650) 617-0500

TYPICAL CONCRETE DETAILS

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: SRC
CHECKED BY: AEA
SHEET NO.
S501

Plot Date: Jan 25, 2026 - 2:37 PM

HOHBACH-LEWIN # 18762

GENERAL NOTES:

APPLICABLE BUILDING CODE

All construction and workmanship shall conform to the 2022 California Building Code, California Code of Regulations – Title 24, Parts 1 & 2.

This pole and foundation standard has been designed for lateral loads on the completed structure as follows:

Wind Design Data:
- Vult = 94 MPH (Exposure C); Vasd = 73 MPH (Exposure C)
- Risk Category = II
- See Pole Foundation Schedule for maximum pole wind forces.

Seismic Design Data:
- Ie = 1.0
- Risk Category = II (Self Supporting Poles)
- S_S = 0.568
- S_1 = 0.236
- Site Class = D
- S_{MS} = 0.510
- S_{M1} = 0.502
- Seismic Design Category = D
- Basic Seismic-Force-Resisting System = Non-Building Structure, not similar to buildings
- Cs = 0.281 (60A); 0.206 (70A); 0.178 (80A); 0.164 (90A). (STRENGTH LEVEL)
- R = 1.5
- Ω = 1.5
- Analysis Procedure = Equivalent Lateral Force Procedure
- See Pole Foundation Schedule for maximum pole seismic forces.

GENERAL CONSTRUCTION

These notes shall be used in conjunction with the plans and any discrepancies shall be brought to the attention of the Registered Design Professional (RDP) in Responsible Charge.

Contractor must check all dimensions, clearances and job conditions before starting work. The RDP in Responsible Charge shall be notified immediately of any discrepancies or possible deficiencies.

The drawings and specifications represent the finished structure. All bracing, temporary supports, shoring, etc., is the sole responsibility of the Contractor. Observation visits to the job site by the RDP in Responsible Charge do not include inspection of construction procedures. The Contractor is solely responsible for all construction methods and for safety conditions at the worksite. These visits by RDP in Responsible Charge shall not be construed as continuous and detailed inspections.

Design, material, equipment, and products other than those described below or indicated on the drawings may be considered for use, provided prior approval is obtained from the School District, the RDP in Responsible Charge, and DSA.

All changes to the approved plans after a contract for construction has been awarded, affecting structural, access or life-safety portions of the project, shall be made by means of construction change documents (CCD) approved by DSA, as required by Section 4-338, Part 1, Title 24, CCR. All CCD shall be prepared and signed by the RDP in general Responsible Charge.

Substitutions shall be considered as a CCD and shall be approved by DSA prior to fabrication or use.

A Class 1 or Class 2 Project Inspector employed by the School District (Owner) and approved by DSA shall provide continuous inspection of the work, the duties of the Inspector are defined in Section 4-342, Part 1, Title 24, CCR.

All Tests And Inspections shall be performed by an Independent lab employed by the School District and approved by DSA.

Reference pole location on the Architectural, Structural, and/or Electrical drawings for actual pole placement and site location. Pole shall be located 5'-0" min. from adjacent structures below 50'-0" A.G.L., unless noted otherwise.

LIGHT POLE FOUNDATIONS

Reference geotechnical report prepared by Visha Consultants, Inc., Dated June 6, 2025; Project no. 25-0109.

Allowable Vertical soil Capacity – 500 PSF (Skin Friction). Ignore upper 2 ft of soil.

Allowable Lateral Bearing capacity: 300 PSF/FT to maximum 4,500 PSF. Ignore upper 2 ft of soil.

A representative of Visha Consultants should be available at the time of the foundation installation to verify the soil design parameters and to provide assistance if any problems arise in foundation installation.

The Contractor must familiarize himself with the complete geotechnical report, and borings and contact the above firm to understand the soil conditions and the possibility of ground water pumping and excavation stabilization or bracing during the foundation installation and placement of concrete.

Soil formations that will require special design considerations or excavation procedures may exist. Pole foundations may need to be reanalyzed according to the soil conditions that exist.

If any discrepancies or inconsistencies arise, notify the RDP in Responsible Charge of such discrepancies.

All piers and concrete must bear on and against firm undisturbed soil as determined by the Geotechnical Engineer.

Place plywood collar around perimeter at the top of foundation excavation to prevent soil from entering pier.

All excavations must be free of loose soil, and debris prior to foundation installation and placement of concrete. Casing or drilling slurry may be required if caving occurs. Review and approval of the Geotechnical Engineer and DSA is required.

All excavations must be free of water or concrete shall be placed by the Tremie Method in accordance with ACI standard 336. Concrete placed by the Tremie Method shall have a minimum ultimate strength of 1,000 PSI greater than required under "Concrete Cast-In-Place' and a maximum slump of 8".

CONCRETE (CAST-IN-PLACE)

Concrete pier foundations with steel reinforcement shall attain a minimum ultimate compressive strength at 28 day test of 3,000 psi. Batch plant inspection not required.

All concrete shall attain a minimum strength of 2,500 psi prior to steel pole erection.

Use Type II/V Portland cement or as directed by the Geotechnical Engineer.

Portland Cement ASTM C-150.

Aggregate ASTM C-33. 1" maximum aggregate size. 3/8" max agg. size not permitted.

Mix in conformance with ASTM C-94, ACI 318 SECTIONS 19.3 and 26.4.

Place concrete immediately after completion of excavation and inspection by the Geotechnical Engineer and the DSA Inspector. Under no circumstances shall piers be allowed to remain open for more than 12 hours without the approval of the Geotechnical Engineer. Excavations shall be covered and protected until filled with concrete.

Concrete shall be placed in one continuous operation (no construction joint) with special equipment to assure a maximum freefall of 5 ft and to prevent concrete from striking the sides of the excavation. Freefall of concrete is unacceptable through water or drilling slurry.

Vibrate concrete full depth, except for concrete with slump greater than 6", then vibrate only upper 10'-0". Concrete placed under water shall have a slump of 6"-8".

STEEL POLE

Steel pole sections conform to the California Code of Regulations T.24, Part 2, Chapter 22A.

All steel conforms to referenced ASTM specifications. (See Pole Data Table for each pole type).

All weldment conforms with AWS D1.1-15 specification for GMAW fillet utilizing E70S-X filler metal or SAW fillet utilizing F7XX-EXXX or F8XX-EXXX filler metal.
GMAW procedure conforms to AWS A5.18.
SAW procedure conforms to AWS A5.23.

Longitudinal seam welds for pole sections shall have 60% minimum penetration; Except longitudinal seam welds on the female section of telescopic field splices shall be full penetration groove welds for a length equal to the minimum splice length plus 6 inches. See drawing number MD1 for seam weld details.

Pole sections hot dipped galvanized to ASTM A123 latest standards.

All miscellaneous structural steel items conform to AISC 360-16.

Steel pole sections shall be assembled in the field by attaching two 1.5 ton "come alongs" to jacking ears, using full effort on each simultaneously, to ensure minimum overlaps as indicated on the "MS" sheet(s) and detail G/MD1.

PRECAST BASE

The precast concrete base conforms to California Code of Regulations, T.24, part 2, Chapter 19A and to Building Code Requirements for Reinforced Concrete, ACI 318-19. Precast bases are an ICC approved product under ESR-3765.

See detail "A" on "MS" sheet(s) for material strengths and specifications.

TESTING AND INSPECTION

Testing and inspection in accordance with Title 24, Part 1 & Part 2 & project DSA 103 form.

EXCAVATIONS & FOUNDATIONS:
Inspection of cast-in-place deep foundations – 1705A.8 & Table 1705A.8

CONCRETE MATERIALS: 1903A.1
Portland cement – 1910A.1
Concrete aggregates – 1903A.5
Reinforcing bars – 1910A.2 & DSA IR 17-10
Prestressing steel and anchorages – 1910A.3

CONCRETE QUALITY:
Proportions of concrete – Reference ACI 318 Section 26.4.3.1 Through 26.4.4.1.
Strength tests of concrete – 1905A.1.17 and ACI 318 Section 26.12 & 26.5.3.2.

CONCRETE INSPECTION: 1705A.3 & Table 1705A.3
Job site – Reference ACI 318 Section 26.5.1,26.5.2.1(a) & (b),26.6.1.2(d), 26.11.1.1(a).
Batch Plant Inspection Not Required – 1705A.3.3.2
Prestressed concrete – 1704A.2.5, 1705A.3.4

STEEL MATERIALS:
Structural steel – 2202A.1 & 2205A.1
Cold formed steel – 2210A.1
Identification – 2202A.1
High strength bolt identification – table 1705A.2.1 & DSA IR 17-9

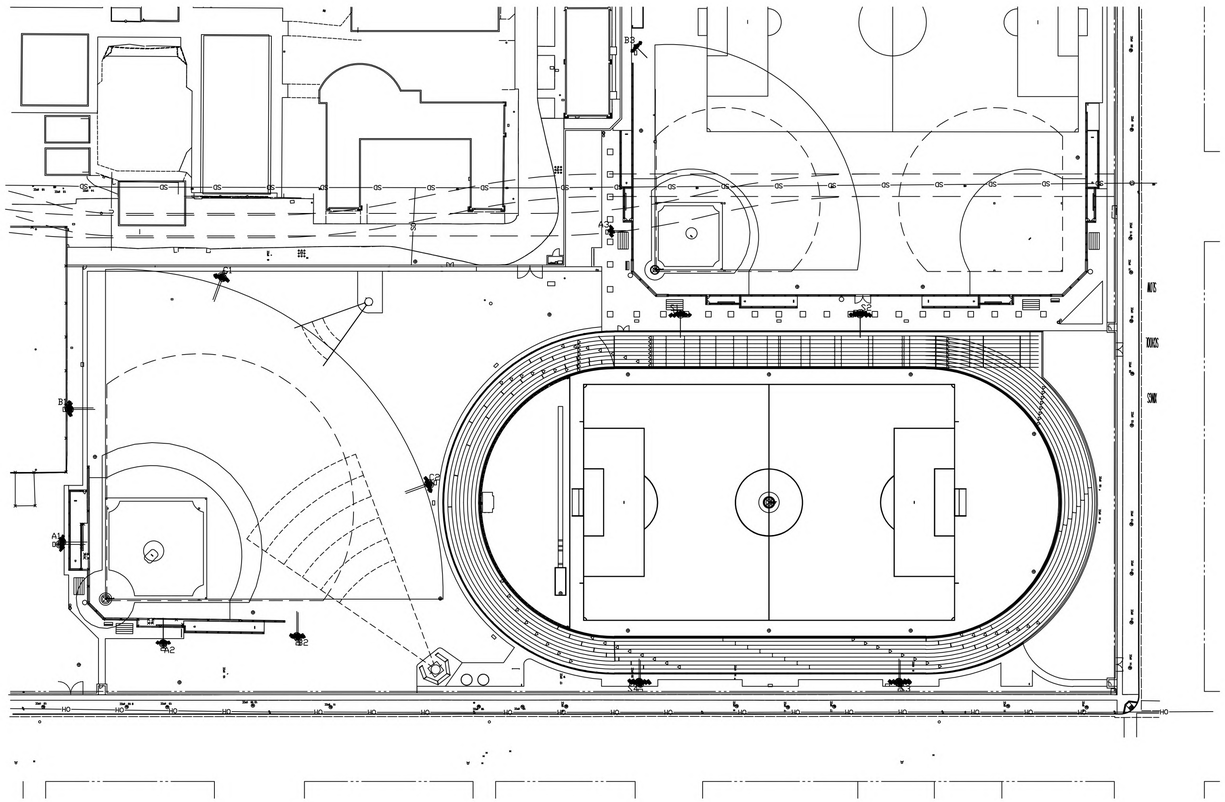
STEEL QUALITY:
Tests of structural steel & cold formed steel – 2202A.1
Tests of high strength bolts, nuts, & washers – 2213A.1 & DSA IR 17-8

STRUCTURAL STEEL INSPECTIONS: Table 1705A.2.1
Shop fabrication inspection – 1704A2.5
Welding – 1705A.2.5, DSA IR 17-3 and AWS D1.1.
High strength bolt installation – Table 1705A.2.1 & DSA IR 17-9
(Including Skidmore-Wilhelm bolt tension pre-installation verification testing)
(NOTE: ALL WELDING SHALL BE CONTINUOUSLY INSPECTED BY AN AWS CWI CERTIFIED INSPECTOR APPROVED BY DSA)

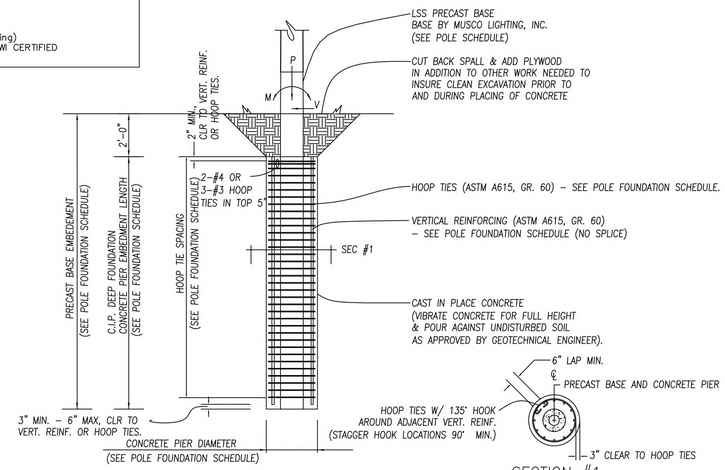
These plans are for construction approval. An application number and approval of these drawings by the Division of The State Architect of California must be secured to build from these plans.

INDEX OF SHEETS

MT1	NOTES, FOUNDATION DETAIL
MS1	60A POLE DETAILS
MS2	70A POLE DETAILS
MS3	90A POLE DETAILS
MS4	80A POLE DETAILS
MD1	ATTACHMENT DETAILS
MD2	ATTACHMENT DETAILS
MD3	ATTACHMENT DETAILS



POLE ORIENTATION PLAN
N.T.S.



SECTION #1

A REINFORCED FOUNDATION DETAIL
N.T.S. DSA-A2-CASFND_A

POLE FOUNDATION SCHEDULE

POLE TYPE-# OF FIXTURES (MAX) (LSS=LIGHT STRUCTURE)	MARK (SEE POLE ORIENTATION PLAN)	WIND OR SEISMIC (SEISMIC FORCE INCLUDES OVERSTRENGTH FACTOR=1.5)	ASD LEVEL FORCES (MAX)			C.I.P. DEEP FOUNDATION				PRECAST BASE
			MOMENT (M) FT-LBS*	SHEAR (V) LBS	VERTICAL (P) LBS**	DIAMETER INCHES	EMBEDMENT FEET (SEE NOTE BELOW)	VERTICAL REINFORCING (ASTM A615, GR 60)	HOOP TIE SIZE & SPACING (ASTM A615, GR 60)	EMBEDMENT FEET
LSS60A-3	A3	SEISMIC	22,600	588	1,991	36"	8'-0"	8-#8	#4 @ 6" O.C. TOP 9'-0" & #4 @ 12" O.C. BELOW	10'-0"
		WIND	32,200	847	1,183					
LSS70A-4	A1, A2, B1-B3, C1, C2	SEISMIC	29,800	602	2,783	36"	10'-0"	8-#8	#4 @ 6" O.C. TOP 9'-0" & #4 @ 12" O.C. BELOW	12'-0"
		WIND	54,500	1,196	1,678					
LSS80A-6	S3, S4	SEISMIC	41,500	707	3,782	36"	12'-0"	8-#8	#4 @ 6" O.C. TOP 9'-0" & #4 @ 12" O.C. BELOW	14'-0"
		WIND	86,700	1,541	2,380					
LSS90A-10	S1, S2	SEISMIC	68,600	980	5,692	42"	14'-0"	12-#7	#4 @ 5¾" O.C. TOP 10'-6" & #4 @ 10½" O.C. BELOW	16'-0"
		WIND	140,500	2,188	3,862					

*Moment (M) computed below grade at Shear (V) = 0.
**Vertical (P) load includes steel pole, light fixtures, and attachments. Vertical (P) load for wind is the dressed pole weight for erection purposes. Vertical (P) load for seismic also includes weight of precast base above groundline. Reference Detail "A" on MS Sheet(s) for precast base weight.
Note:
Final Embedment to be determined in the field by the Geotechnical Engineer of Record

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DSA-TITLE1_E

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

Tenaya Middle School Baseball And Soccer
FIELD LIGHTING
Merced, CA

REGISTERED PROFESSIONAL ENGINEER ★ STATE OF CALIFORNIA ★ STRUCTURAL
No. 4506
Exp. 6-30-27

CONSULTANT
rtm engineering consultants
1 Ada, Suite 100 Irvine, CA 92618
Tel (949) 453-0200
Fax (949) 453-0204
RTM JOB NO.: 463.745

musco Lighting

CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

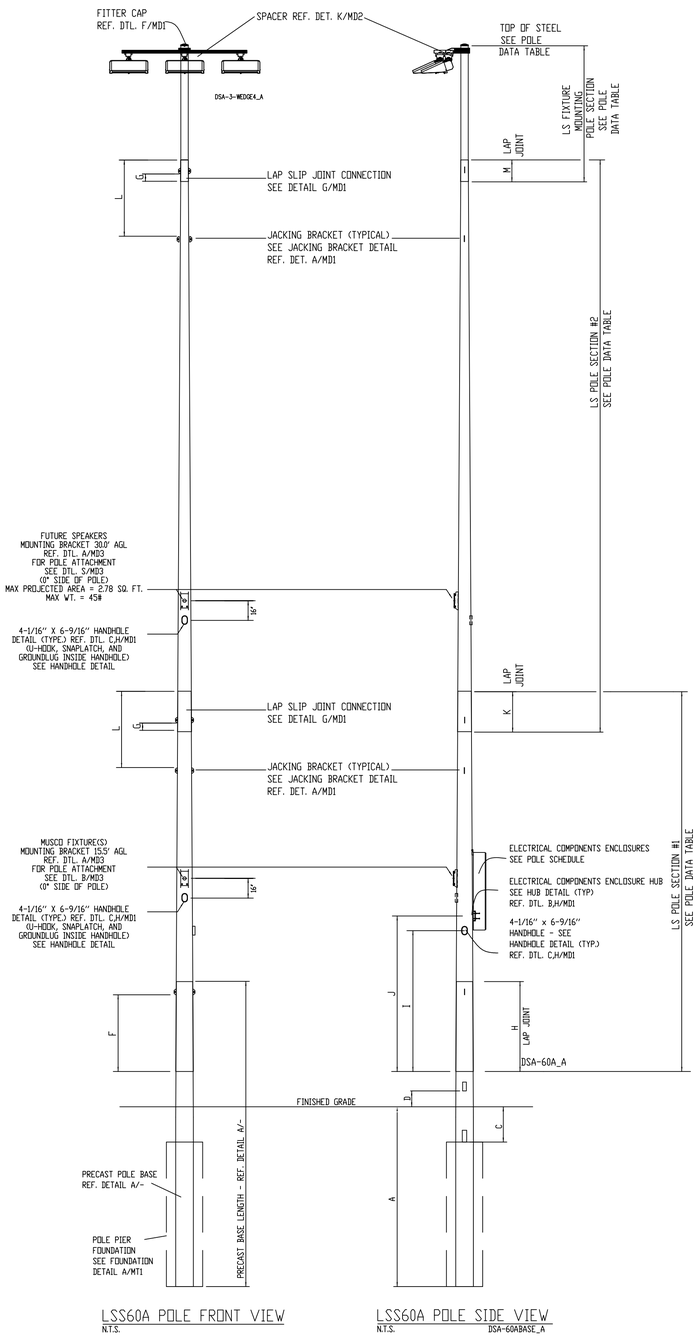
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SCALE: SEE PLAN
REVISIONS
REFERENCE:

PROJECT NO. 244479

DATE: 07/09/2025

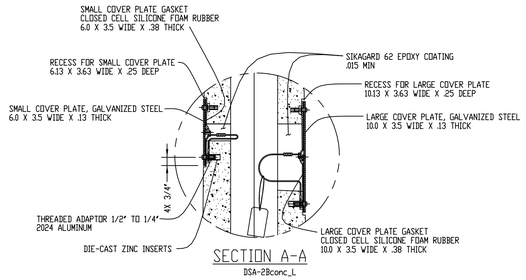
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DRAWING NO. MT1
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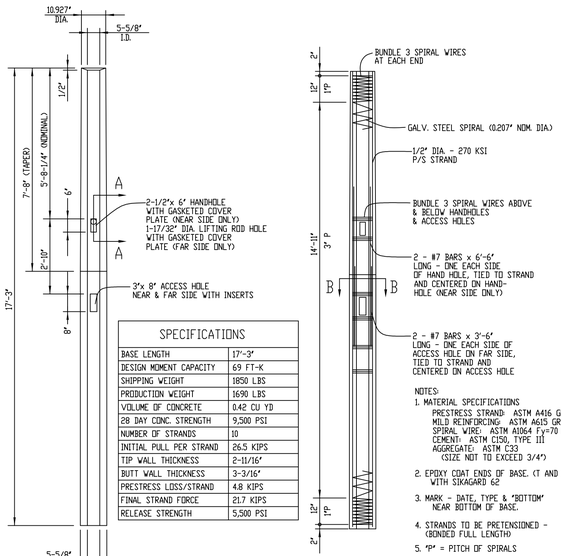


LSS60A POLE FRONT VIEW
N.T.S.

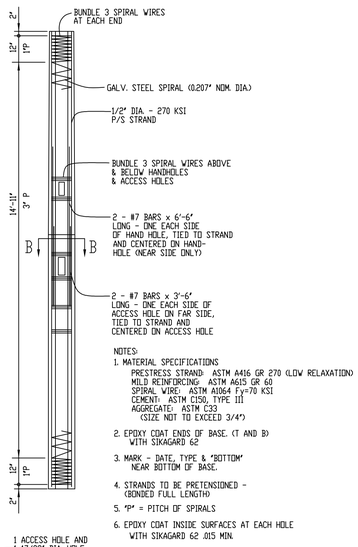
LSS60A POLE SIDE VIEW
N.T.S. DSA-60ABASE_A



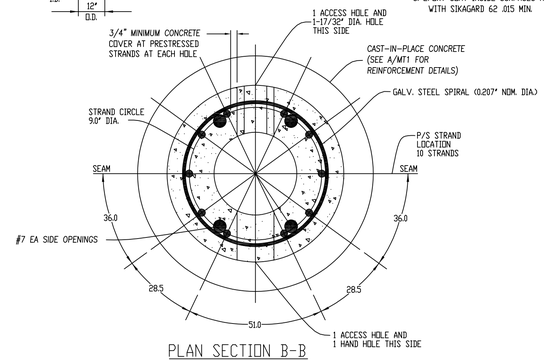
SECTION A-A
DSA-2Bconc_L



SPECIFICATIONS	
BASE LENGTH	17'-3"
DESIGN MOMENT CAPACITY	69 FT-K
SHIPPING WEIGHT	1850 LBS
PRODUCTION WEIGHT	1690 LBS
VOLUME OF CONCRETE	0.42 CU YD
28 DAY CONC. STRENGTH	9,500 PSI
NUMBER OF STRANDS	10
INITIAL PULL PER STRAND	26.5 KIPS
TIP WALL THICKNESS	2-11/16"
BUTT WALL THICKNESS	3-3/16"
PRESTRESS LOSS/STRAND	4.8 KIPS
FINAL STRAND FORCE	21.7 KIPS
RELEASE STRENGTH	5,500 PSI



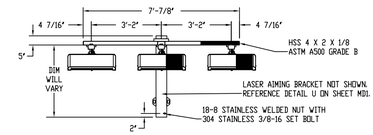
NOTES:
1. MATERIAL SPECIFICATIONS
   PRESTRESS STRAND: ASTM A416 GR 270 (LOW RELAXATION)
   MILD REINFORCING: ASTM A615 GR 60
   SPIRAL WIRE: ASTM A1064 Fy=70 KSI
   CEMENT: ASTM C150, TYPE III
   AGGREGATE: ASTM C33
   (SIZE NOT TO EXCEED 3/4")
2. EPOXY COAT ENDS OF BASE. (T AND B)
   WITH SIKAGARD 62
3. MARK - DATE, TYPE & "BOTTOM"
   NEAR BOTTOM OF BASE.
4. STRANDS TO BE PRETENSIONED -
   (BONDED FULL LENGTH)
5. "P" = PITCH OF SPIRALS
6. EPOXY COAT INSIDE SURFACES AT EACH HOLE
   WITH SIKAGARD 62 .015 MIN.



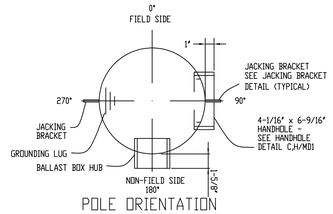
PLAN SECTION B-B

A TYPE 2B PRECAST BASE DETAIL
N.T.S. DSA-2Bconc_L

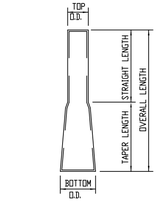
NOTATION	DIMENSION LSS60A
A	10'-0"
C	2'-0" NOM.
D	1'-0" NOM.
F	4'-4" NOM.
G	1'-6"
H	5'-1 1/4" NOM. 4'-7 3/8" MIN.
I	7'-7 1/2" NOM.
J	8'-9 1/2" NOM.
K	3'-7 1/4" NOM. 1'-10 1/4" MIN.
L	4'-7" NOM.
M	1'-8" NOM. 11 1/2" MIN.



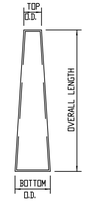
B 3 FIXTURE CONFIGURATION
N.T.S. DSA-3C-WEDGE4_A



POLE ORIENTATION
N.T.S.



FIXTURE MOUNTING
POLE SECTION



TOP/MIDDLE/BOTTOM
POLE SECTION

1. CONTAINS COMBINED EPA OF LIGHT FIXTURES, CROSS ARM AND MISCELLANEOUS FIXTURE MOUNTING APPARATUS.

FIXTURE WEIGHT 52.7 LBS. THIS INCLUDES THE WEIGHT OF FIXTURE, CROSS ARM & MISC. MOUNTING APPARATUS. ELECTRICAL BALLAST BOX WEIGHT 20 LBS PER FIXTURE SERVICED

POLE SCHEDULE

SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA[1]	BALLAST BOX REQUIREMENTS
SEE SITE PLAN (BY OTHERS)	A3	SEE POLE ORIENTATION PLAN	LSS60A	3 - SEE DETAIL B/MS1	8.42	SEE DETAIL P/MD1

DSA-POLESCHE_C

POLE DATA TABLE

POLE TYPE	PIECE MARK	MAX NUMBER of X-Arms	POLE SECTION	TOP O.D. (INCHES)	BTM. O.D. (INCHES)	OVERALL LENGTH	STRAIGHT LENGTH	TAPER LENGTH	THICKNESS (INCHES)	TOP OF STEEL NOMINAL	ASTM REFERENCE
LSS60A	LS-2000	1	FIXTURE MOUNTING	4.750"	5.081"	5'-3"	3'-7"	1'-8"	.120	60'-2 7/8"	A513 (Fy=38ksi)
	MP-1TOSA		#2	4.596"	9.630"	35'-11 1/2"	-----	35'-11 1/2"	.120	-----	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-1BT-D		#1	8.886"	12.000"	22'-2 7/8"	-----	22'-2 7/8"	.179	-----	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-2BDSA		PRECAST BASE	FOR PRECAST MEMBER PROPERTIES SEE PRECAST BASE DETAIL A/-							

DSA-60ADT_H

DSA-60_A

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DATE: 04/30/2026

Tenaya Middle School Baseball And Soccer
FIELD LIGHTING
Merced, CA

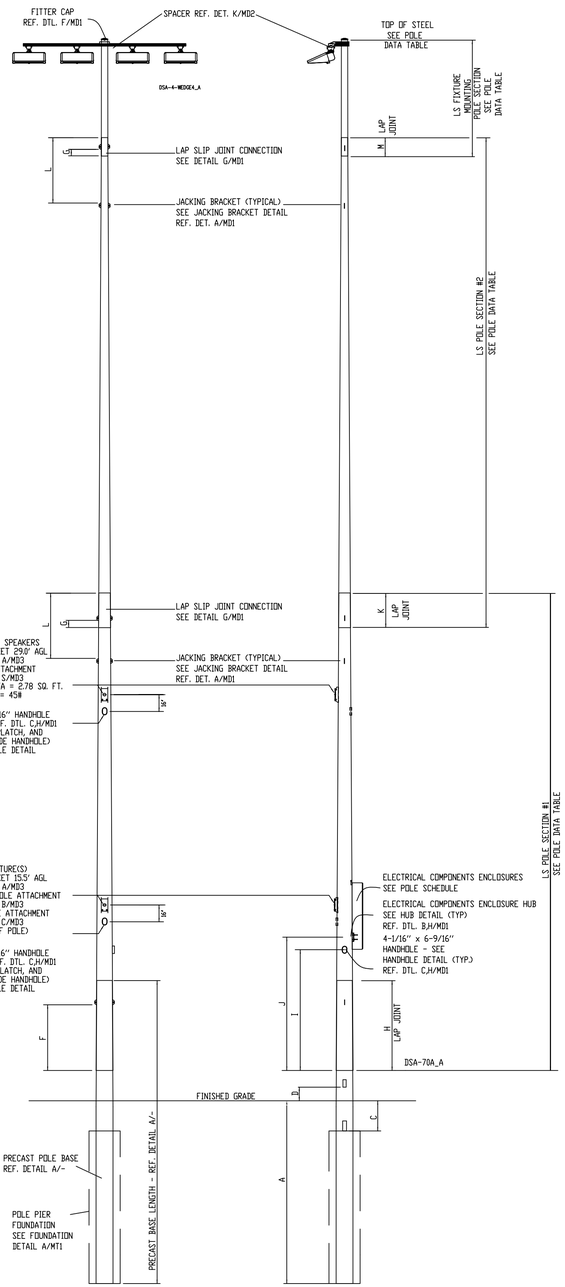
PROFESSIONAL ENGINEER ★ KYLE SIGNOR ★ No. 24506 Exp. 6-30-27 ★ STRUCTURAL ★ STATE OF CALIFORNIA

CONSULTANT
rtm engineering consultants
1 Asta, Suite 150, Irvine, CA 92618
(949) 380-3500
WWW.RTMEC.COM
RTM JOB NO.: 463.745

musco Lighting
CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

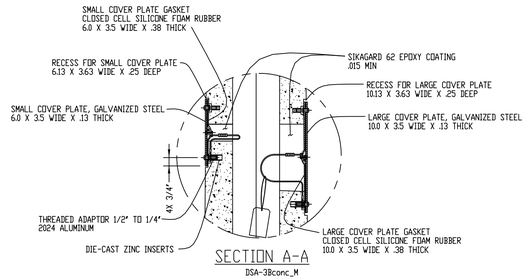
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SCALE: SEE PLAN
REVISIONS
REFERENCE:

PROJECT NO. 244479
DATE: 07/09/2025
DRAWN BY: W.Isiminger
DRAWING NO. MS1
2 OF 8

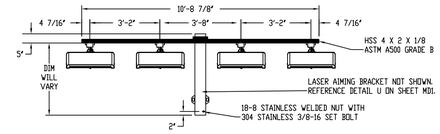


LSS70A POLE FRONT VIEW
N.T.S.

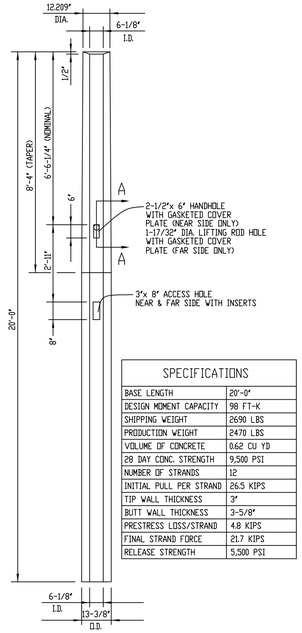
LSS70A POLE SIDE VIEW
N.T.S. DSA-70ABASE_A

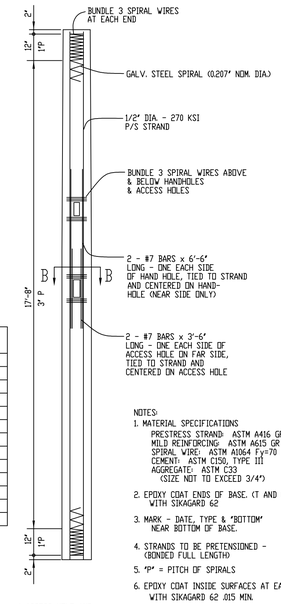


SECTION A-A
DSA-3Bconc_M



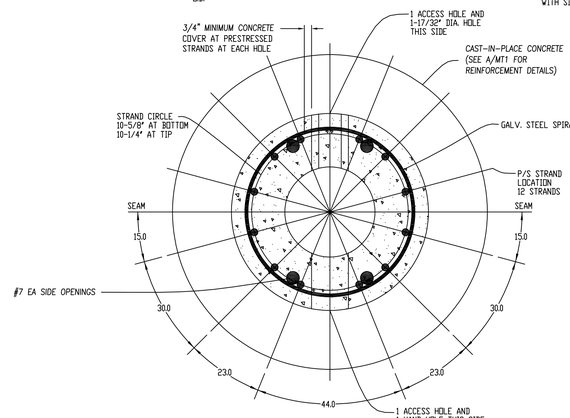
B 4 FIXTURE CONFIGURATION
N.T.S. DSA-4C-WEDGE4_A





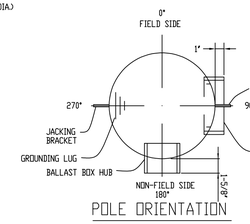
SPECIFICATIONS	
BASE LENGTH	20'-0"
DESIGN MOMENT CAPACITY	98 FT-K
SHIPPING WEIGHT	2690 LBS
PRODUCTION WEIGHT	2470 LBS
VOLUME OF CONCRETE	0.62 CU YD
28 DAY CONC. STRENGTH	9,500 PSI
NUMBER OF STRANDS	12
INITIAL PULL PER STRAND	26.5 KIPS
TIP WALL THICKNESS	3"
BUTT WALL THICKNESS	3-5/8"
PRESTRESS LOSS/STRAND	4.8 KIPS
FINAL STRAND FORCE	21.7 KIPS
RELEASE STRENGTH	5,500 PSI

NOTES:
1. MATERIAL SPECIFICATIONS
   PRESTRESS STRAND: ASTM A416 GR 270 (LOW RELAXATION)
   MILD REINFORCING: ASTM A615 GR 60
   SPIRAL WIRE: ASTM A1064 Fy=70 KSI
   CEMENT: ASTM C150, TYPE III
   AGGREGATE: ASTM C33
   (SIZE NOT TO EXCEED 3/4")
2. EPOXY COAT ENDS OF BASE. (T AND B)
   WITH SIKAGARD 62
3. MARK - DATE, TYPE & "BOTTOM"
   NEAR BOTTOM OF BASE.
4. STRANDS TO BE PRETENSIONED -
   (BONDED FULL LENGTH)
5. "P" = PITCH OF SPIRALS
6. EPOXY COAT INSIDE SURFACES AT EACH HOLE
   WITH SIKAGARD 62 .015 MIN.

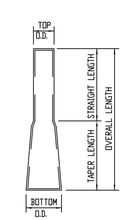


PLAN SECTION B-B

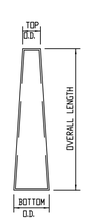
A TYPE 3B PRECAST BASE DETAIL
N.T.S. DSA-3Bconc_M



POLE ORIENTATION
N.T.S.



FIXTURE MOUNTING
POLE SECTION



TOP/MIDDLE/BOTTOM
POLE SECTION

1. CONTAINS COMBINED EPA OF LIGHT FIXTURES, CROSS ARM AND MISCELLANEOUS FIXTURE MOUNTING APPARATUS.

FIXTURE WEIGHT 79.8 LBS. THIS INCLUDES THE WEIGHT OF FIXTURE, CROSS ARM & MISC. MOUNTING APPARATUS. ELECTRICAL BALLAST BOX WEIGHT 20 LBS PER FIXTURE SERVICED

POLE SCHEDULE						
SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA[1]	BALLAST BOX REQUIREMENTS
SEE SITE PLAN (BY OTHERS)	A1, A2	SEE POLE ORIENTATION PLAN	LSS70A	4 - SEE DETAIL B/MS2	13.9	SEE DETAIL RL/MD1
	B1-B3	SEE POLE ORIENTATION PLAN	LSS70A	4 - SEE DETAIL B/MS2		SEE DETAIL RL/MD1
	C1, C2	SEE POLE ORIENTATION PLAN	LSS70A	4 - SEE DETAIL B/MS2		SEE DETAIL SL/MD1

DSA-POLESCHE_C

NOTATION	DIMENSION LSS70A
A	12'-0"
C	2'-0" NOM.
D	1'-0" NOM.
E	2'-0 5/8" NOM.
F	4'-4" NOM.
G	1'-6"
H	5'-11 3/8" NOM. 5'-3 3/4" MIN.
I	7'-7 1/2" NOM.
J	8'-9 1/2" NOM.
K	3'-7 1/4" NOM. 1'-10 1/4" MIN.
L	4'-7" NOM.
M	1'-8" NOM. 11 1/2" MIN.

POLE DATA TABLE

POLE TYPE	PIECE MARK	MAX NUMBER of X-Arms	POLE SECTION	TOP O.D. (INCHES)	BTM. O.D. (INCHES)	OVERALL LENGTH	STRAIGHT LENGTH	TAPER LENGTH	THICKNESS (INCHES)	TOP OF STEEL NOMINAL	ASTM REFERENCE
LSS70A	LS-2000	1	FIXTURE MOUNTING	4.750"	5.081"	5'-3"	3'-7"	1'-8"	.120	70'-1 3/4"	A513 (Fy=38ksi)
	MP-1TDSA		#2	4.596"	9.630"	35'-11 1/2"	-----	35'-11 1/2"	.120	-----	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-3BT-D		#1	8.886"	13.400"	32'-2 7/8"	-----	32'-2 7/8"	.179	-----	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-3BDSA		PRECAST BASE	FOR PRECAST MEMBER PROPERTIES SEE PRECAST BASE DETAIL A/-							

DSA-70ABT_J

DSA-70_A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

Tenaya Middle School Baseball And Soccer FIELD LIGHTING Merced, CA

REGISTERED PROFESSIONAL ENGINEER * No. 45061 Exp. 6-30-27 * STATE OF CALIFORNIA * STRUCTURAL

CONSULTANT
rtm engineering consultants
1 Ada, Suite 100, Irvine, CA 92618
(949) 753-1000
WWW.RTMEC.COM
RTM JOB NO.: 463.745

musco Lighting

CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

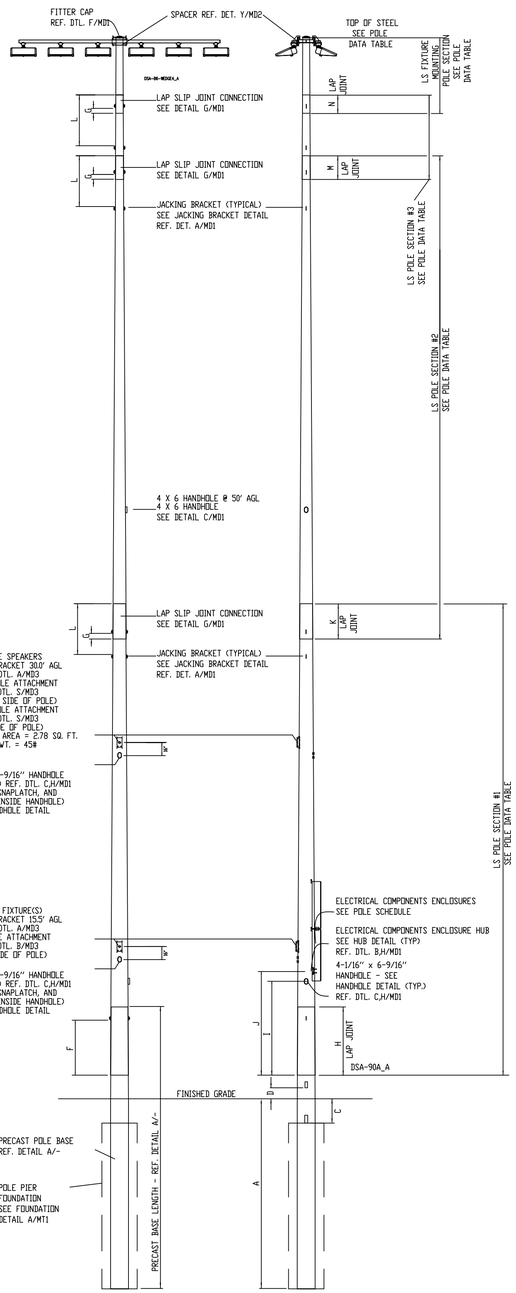
DRAWING TITLE: POLE DETAIL
SCALE: SEE PLAN
REVISIONS
REFERENCE:

PROJECT NO. 244479

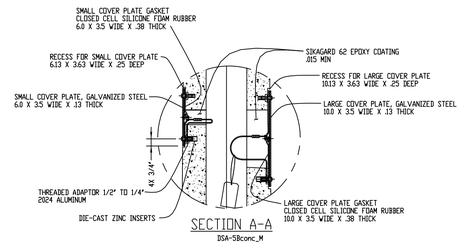
DATE: 07/09/2025

DRAWN BY: W.Isiminger

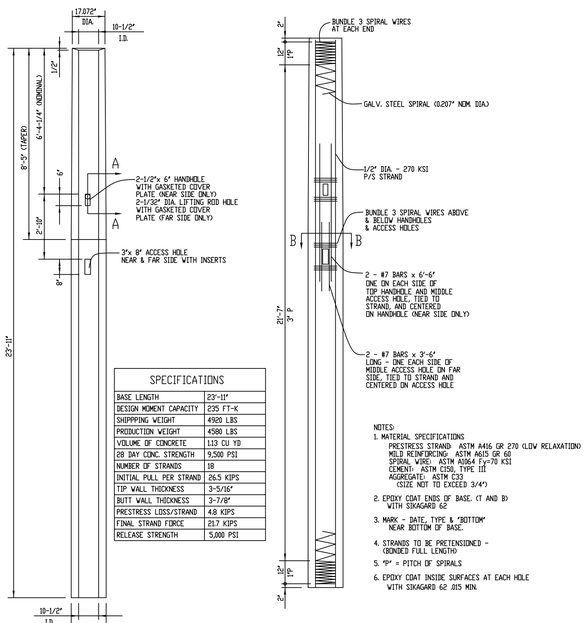
DRAWING NO. 3 OF 8 MS2



LSS90A POLE FRONT VIEW LSS90A POLE SIDE VIEW
N.T.S. N.T.S. DSA-90ABASE_A

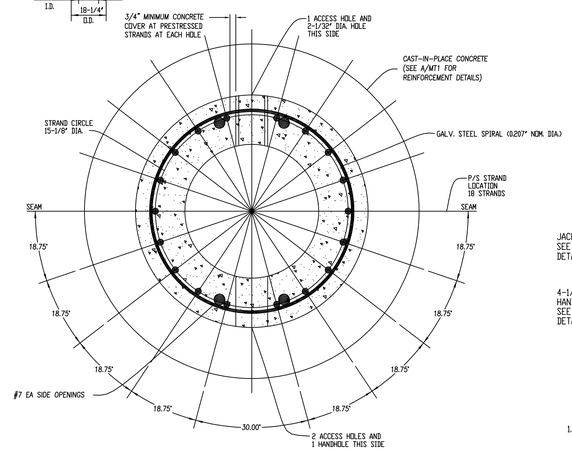


SECTION A-A
DSA-SBconc_M



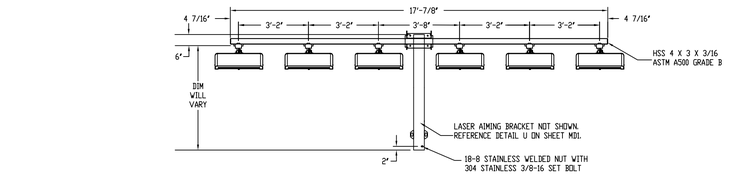
SPECIFICATIONS	
BASE LENGTH	23'-11"
DESIGN MOMENT CAPACITY	235 FT-K
SHIPPPING WEIGHT	4920 LBS
PRODUCTION WEIGHT	4580 LBS
VOLUME OF CONCRETE	1.13 CU YD
28 DAY CONC. STRENGTH	9,500 PSI
NUMBER OF STRANDS	18
INITIAL PULL PER STRAND	26.5 KIPS
TIP WALL THICKNESS	3-5/16"
BUTT WALL THICKNESS	3-7/8"
PRESTRESS LOSS/STRAND	4.8 KIPS
FINAL STRAND FORCE	21.7 KIPS
RELEASE STRENGTH	5,000 PSI

NOTES:
1. MATERIAL SPECIFICATIONS
   PRESTRESS STRAND: ASTM A416 GR 270 (LOW RELAXATION)
   MILD REINFORCING: ASTM A615 GR 60
   SPIRAL WIRE: ASTM A1064 Fy=70 KSI
   CEMENT: ASTM C150, TYPE III
   AGGREGATE: ASTM C33
   (SIZE NOT TO EXCEED 3/4")
2. EPOXY COAT ENDS OF BASE. (T AND B)
   WITH SIKAGARD 62
3. MARK - DATE, TYPE & "BOTTOM"
   NEAR BOTTOM OF BASE.
4. STRANDS TO BE PRETENSIONED -
   (BONDED FULL LENGTH)
5. 9"ø PITCH OF SPIRALS
6. EPOXY COAT INSIDE SURFACES AT EACH HOLE
   WITH SIKAGARD 62 .015 MIN.



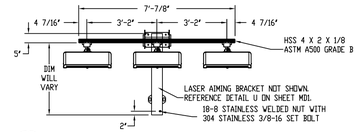
PLAN SECTION B-B

A TYPE 5B PRECAST BASE DETAIL
N.T.S. DSA-SBconc_M

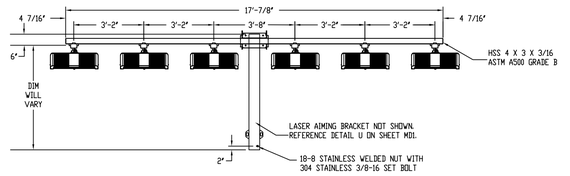


6 FIXTURE CONFIGURATION
N.T.S. DSA-B6C-WEDGE4_A

B

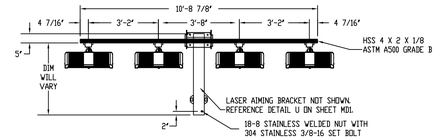


C 3 FIXTURE CONFIGURATION
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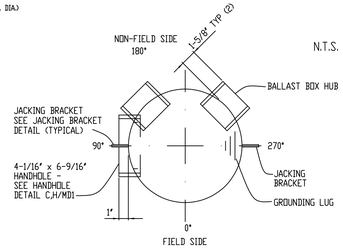


6 FIXTURE CONFIGURATION
N.T.S. DSA-B6C-WEDGE4_A

D

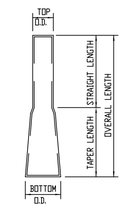


E 4 FIXTURE CONFIGURATION
N.T.S. DSA-B4C-WEDGE4_A

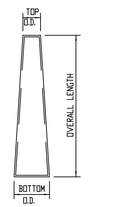


POLE ORIENTATION
N.T.S.

N.T.S.



FIXTURE MOUNTING
POLE SECTION



TOP/MIDDLE/BOTTOM
POLE SECTION

1. CONTAINS COMBINED EPA OF LIGHT FIXTURES, CROSS ARM AND MISCELLANEOUS FIXTURE MOUNTING APPARATUS.

FIXTURE WEIGHT 98.2 LBS. THIS INCLUDES THE WEIGHT OF FIXTURE, CROSS ARM & MISC. MOUNTING APPARATUS. ELECTRICAL BALLAST BOX WEIGHT 20 LBS PER FIXTURE SERVICED

POLE SCHEDULE						
SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA[1]	BALLAST BOX REQUIREMENTS
SEE SITE PLAN (BY OTHERS)	S1	SEE POLE ORIENTATION PLAN	LSS90A	6,3-SEE DETAIL B,C/MS3	35.1	SEE DETAIL SL_P/MD1
	S2	SEE POLE ORIENTATION PLAN	LSS90A	6,4-SEE DETAIL D,E/MS3		SEE DETAIL SL_RL/MD1

DSA-POLESCHE_C

NOTATION	DIMENSION LSS90A
A	16'-0"
C	2'-0" NOM.
D	1'-0" NOM.
F	4'-8" NOM.
G	1'-6"
H	6'-1 1/2" NOM. 5'-3 3/4" MIN.
I	7'-11 1/2" NOM.
J	9'-1 1/2" NOM.
K	3'-11 1/4" NOM. 2'-7 5/8" MIN.
L	4'-11 1/2" NOM.
M	2'-8 5/8" NOM. 1'-7 1/2" MIN.
N	2'-0" NOM. 1'-5 1/2" MIN.

POLE DATA TABLE										
POLE TYPE	PIECE MARK	MAX NUMBER OF X-Arms	POLE SECTION	TOP O.D. (INCHES)	BTM. O.D. (INCHES)	OVERALL LENGTH	STRAIGHT LENGTH	TAPER LENGTH	THICKNESS (INCHES)	TOP OF STEEL NOMINAL	ASTM REFERENCE
LSS90A	LS-2013	2	FIXTURE MOUNTING	7.000"	7.548"	5'-3"	3'-3"	2'-0"	.125	91'-6 3/8"	A513 (Fy=38ksi)
	MP-2TTDSA-2		#3	6.980"	8.520"	11'-0"	-----	11'-0"	.179	-----	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-4BTDSA		#2	7.781"	13.582"	41'-5 1/4"	-----	41'-5 1/4"	.179	-----	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-6BTDSA-D		#1	12.672"	18.407"	40'-11 5/8"	-----	40'-11 5/8"	.239	-----	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-5BDSA		PRECAST BASE	FOR PRECAST MEMBER PROPERTIES SEE PRECAST BASE DETAIL A/-						

DSA-90ABT_J

DSA-90_A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

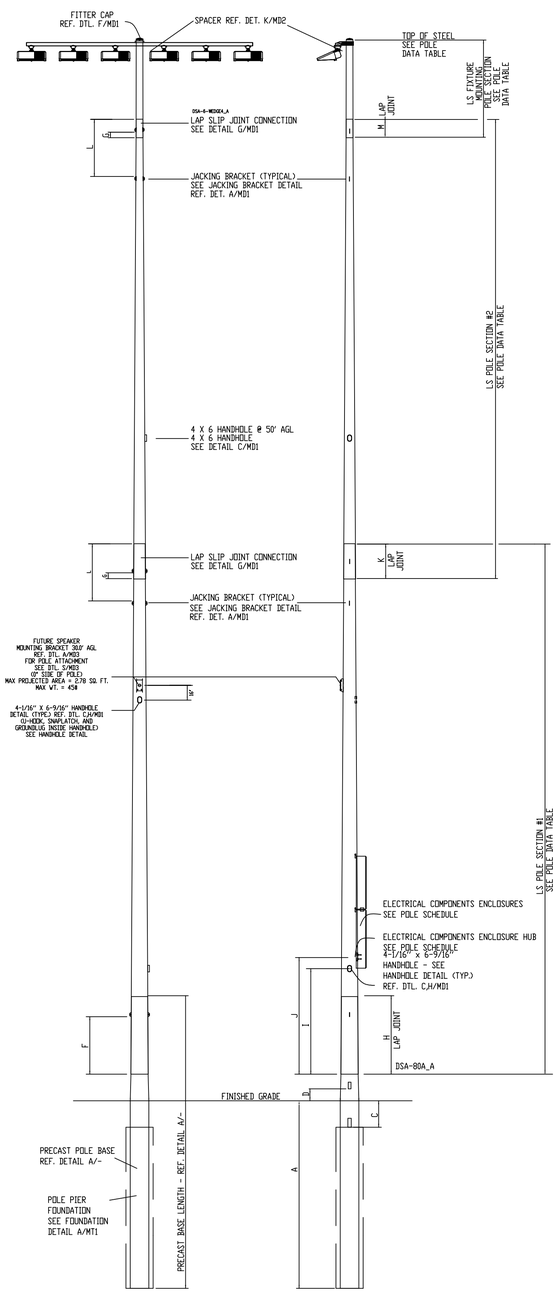
Tenaya Middle School Baseball And Soccer
FIELD LIGHTING
Merced, CA

CONSULTANT
rtm engineering consultants
1 Asta, Suite 100, Irvine, CA 92618
(949) 450-1414
WWW.RTMEC.COM
RTM JOB NO.: 463.745

MUSCO Lighting
CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

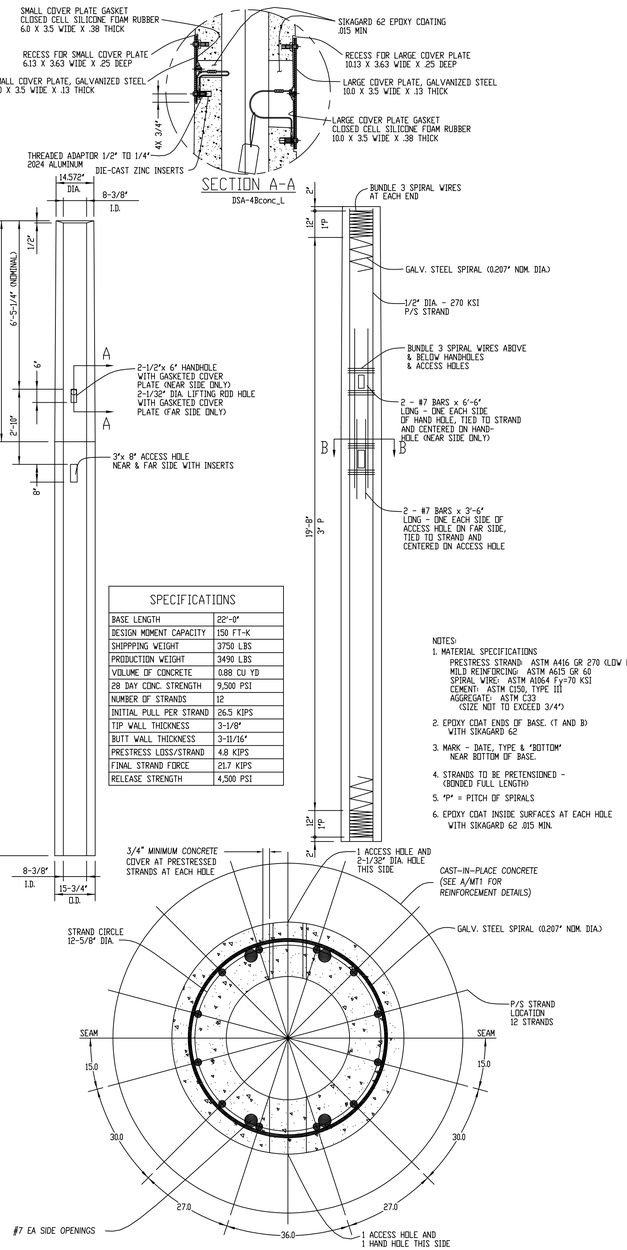
DRAWING TITLE: POLE DETAIL
SCALE: SEE PLAN
REVISIONS
REFERENCE

PROJECT NO. 244479
DATE: 07/09/2025
DRAWN BY: W.Isminger
DRAWING NO. MS3
4 OF 8



LSS80A POLE FRONT VIEW
N.T.S.

LSS80A POLE SIDE VIEW
N.T.S. DSA-80ABASE_A



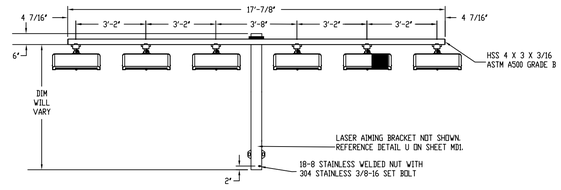
SPECIFICATIONS	
BASE LENGTH	22'-0"
DESIGN MOMENT CAPACITY	150 FT-K
SHIPPING WEIGHT	3750 LBS
PRODUCTION WEIGHT	3490 LBS
VOLUME OF CONCRETE	0.88 CU YD
28 DAY CONC. STRENGTH	9,500 PSI
NUMBER OF STRANDS	12
INITIAL PULL PER STRAND	26.5 KIPS
TIP WALL THICKNESS	3-1/8"
BUTT WALL THICKNESS	3-11/16"
PRESTRESS LOSS/STRAND	4.8 KIPS
FINAL STRAND FORCE	21.7 KIPS
RELEASE STRENGTH	4,500 PSI

NOTES:
1. MATERIAL SPECIFICATIONS
   PRESTRESS STRAND: ASTM A416 GR 270 (LOW RELAXATION)
   MILD REINFORCING: ASTM A615 GR 60
   SPIRAL WIRE: ASTM A1064 Fy=70 KSI
   CEMENT: ASTM C150, TYPE III
   AGGREGATE: ASTM C33
   (SIZE NOT TO EXCEED 3/4")
2. EPOXY COAT ENDS OF BASE. (T AND B)
   WITH SIKAGARD 62
3. MARK - DATE, TYPE & "BOTTOM"
   NEAR BOTTOM OF BASE.
4. STRANDS TO BE PRETENSIONED -
   (BONDED FULL LENGTH)
5. "P" = PITCH OF SPIRALS
6. EPOXY COAT INSIDE SURFACES AT EACH HOLE
   WITH SIKAGARD 62 .015 MIN.

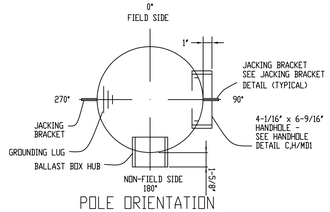
PLAN SECTION B-B

A TYPE 4B PRECAST BASE DETAIL
N.T.S. DSA-48conc_L

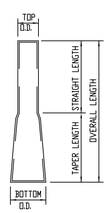
NOTATION	DIMENSION LSS80A
A	14'-0"
C	2'-0" NOM.
D	1'-0" NOM.
F	4'-4" NOM.
G	1'-6"
H	5'-10 1/4" NOM. 5'-3 3/4" MIN.
I	7'-7 1/2" NOM.
J	8'-9 1/2" NOM.
K	3'-5 5/8" NOM. 2'-1 1/4" MIN.
L	4'-7" NOM.
M	1'-10" NOM. 1'-2" MIN.



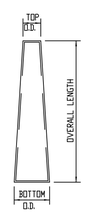
B 6 FIXTURE CONFIGURATION
N.T.S. DSA-6C-WEDGE4_A



POLE ORIENTATION
N.T.S.



FIXTURE MOUNTING
POLE SECTION



TOP/MIDDLE/BOTTOM
POLE SECTION

1. CONTAINS COMBINED EPA OF LIGHT FIXTURES, CROSS ARM AND MISCELLANEOUS FIXTURE MOUNTING APPARATUS.

FIXTURE WEIGHT 90.2 LBS. THIS INCLUDES THE WEIGHT OF FIXTURE, CROSS ARM & MISC. MOUNTING APPARATUS. ELECTRICAL BALLAST BOX WEIGHT 20 LBS PER FIXTURE SERVICED

POLE SCHEDULE						
SITE LOCATION	POLE MARK	REFERENCE LOCATION	POLE TYPE	FIXTURE CONFIGURATION	TOTAL EPA[1]	BALLAST BOX REQUIREMENTS
SEE SITE PLAN (BY OTHERS)	S3	SEE POLE ORIENTATION PLAN	LSS80A	6 - SEE DETAIL B/MS4	22.9	SEE DETAIL SL/MD1
	S4	SEE POLE ORIENTATION PLAN	LSS80A	6 - SEE DETAIL B/MS4		SEE DETAIL SL/MD1

DSA-POLESCHE_C

POLE DATA TABLE										
POLE TYPE	PIECE MARK	MAX NUMBER of X-Arms	POLE SECTION	TOP O.D. (INCHES)	BTM. O.D. (INCHES)	OVERALL LENGTH	STRAIGHT LENGTH	TAPER LENGTH	THICKNESS (INCHES)	TOP OF STEEL NOMINAL	ASTM REFERENCE
LSS80A	LS-2005	1	FIXTURE MOUNTING	5.500"	6.115"	5'-3"	3'-5"	1'-10"	.120	80'-6"	A513 (Fy=38ksi)
	MP-4TDSA		#2	5.600"	10.940"	38'-1 3/4"	-----	38'-1 3/4"	.179	------	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-5BT-D		#1	10.096"	15.750"	40'-4 5/8"	-----	40'-4 5/8"	.179	------	A595A (Fy=55 ksi) or A572, Gr 55 or 65
	MP-4BDSA		PRECAST BASE	FOR PRECAST MEMBER PROPERTIES SEE PRECAST BASE DETAIL A/-						

DSA-80ADT_J

DSA-80_A

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

Tenaya Middle School Baseball And Soccer
FIELD LIGHTING
Merced, CA

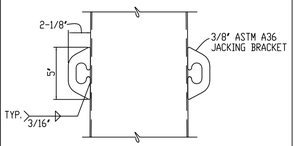
PROFESSIONAL ENGINEER * REGISTERED * STATE OF CALIFORNIA
No. 4506
Exp. 6-30-27

CONSULTANT
rtm engineering consultants
1 Addy, Suite 100, Irvine, CA 92618
949.453.1500
WWW.RTMEC.COM
RTM JOB NO.: 463.745

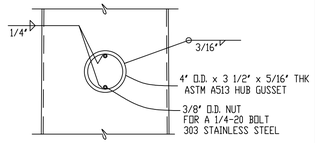
MUSCO Lighting
CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

DRAWING TITLE: POLE DETAIL
SCALE: SEE PLAN
REVISIONS
REFERENCE:

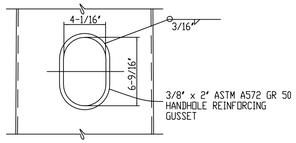
PROJECT NO. 244479
DATE: 07/09/2025
DRAWN BY: W.Isiminger
DRAWING NO. MS4
5 OF 8



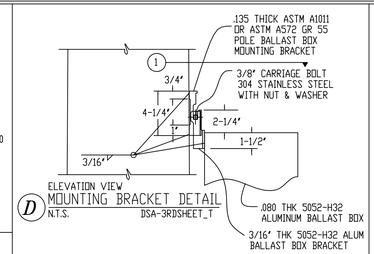
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N.T.S. DSA-3RDSHEET_T



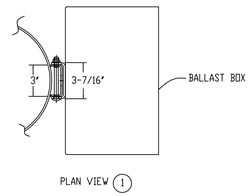
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N.T.S. DSA-3RDSHEET_T



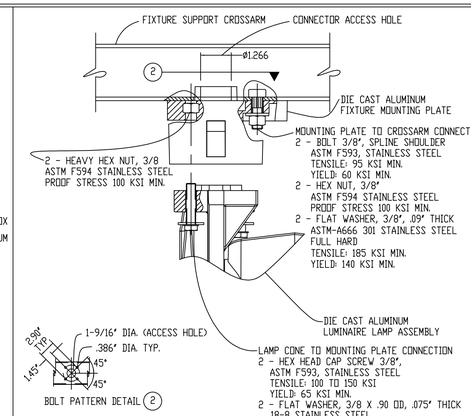
C HANDHOLE SLEEVE DETAIL
N.T.S. DSA-3RDSHEET_T



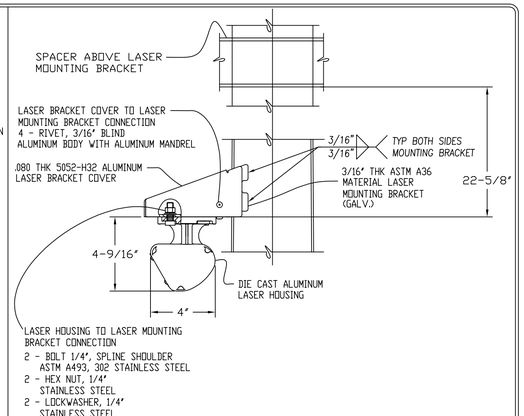
ELEVATION VIEW
D MOUNTING BRACKET DETAIL
N.T.S. DSA-3RDSHEET_T



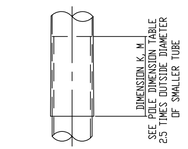
PLAN VIEW 1



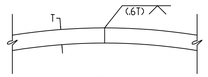
E LUMINAIRE ATTACHMENT DETAIL
N.T.S. DSA-3RDSHEET_T



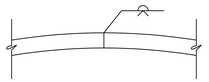
U LASER AIMING BRACKET
N.T.S. DSA-3RDSHEET_T



G SLIP JOINT CONNECTION DETAIL
N.T.S. DSA-LAP

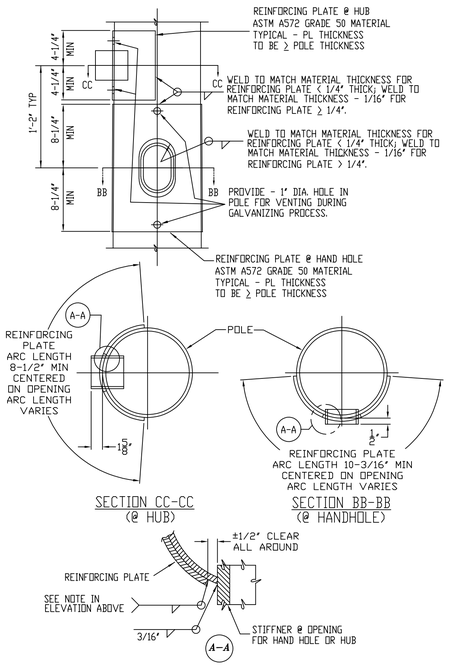


POLE LONGITUDINAL SEAM WELD
DETAIL TYPICAL CONDITION *
N.T.S. DSA-3RDSHEET_T

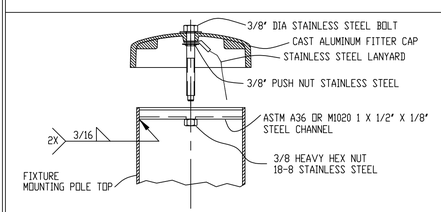


POLE LONGITUDINAL SEAM WELD DETAIL
AT LAP SPLICES (FEMALE END) *
N.T.S. DSA-3RDSHEET_T

* NOTE- 100% PENETRATION SEAM WELDS MAY BE PROVIDED FULL LENGTH OF POLE SHAFTS PROVIDED WPS'S ARE QUALIFIED BY TEST.

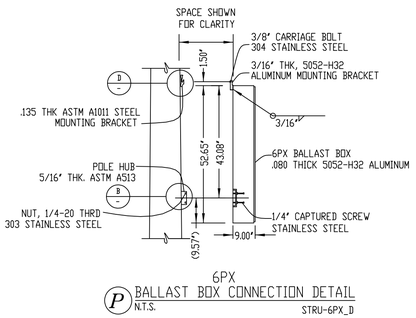


H HANDHOLE/HUB REINFORCING GUSSET
N.T.S.

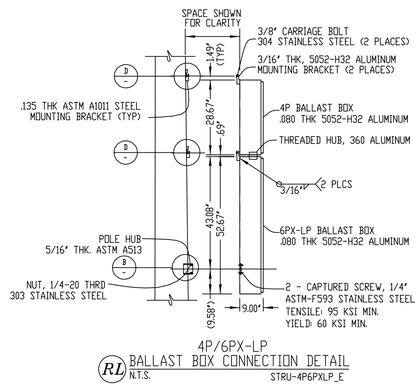


F FITTER CAP DETAIL
N.T.S. DSA-3RDSHEET_T

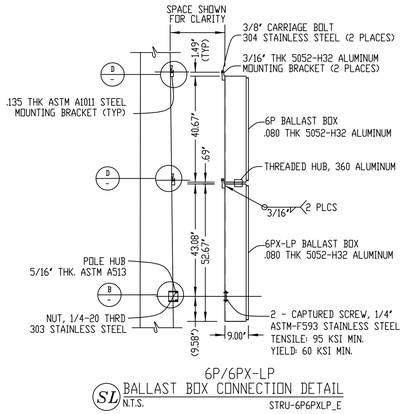
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6PX
P BALLAST BOX CONNECTION DETAIL
N.T.S. STRU-6PX_D



4P/6PX-LP
RL BALLAST BOX CONNECTION DETAIL
N.T.S. STRU-4P6PXLP_E



6P/6PX-LP
SL BALLAST BOX CONNECTION DETAIL
N.T.S. STRU-6P6PXLP_E

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APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

Tenaya Middle School Baseball And Soccer
FIELD LIGHTING
Merced, CA

REGISTERED PROFESSIONAL ENGINEER
No. 4506
Exp. 6-30-27
STATE OF CALIFORNIA

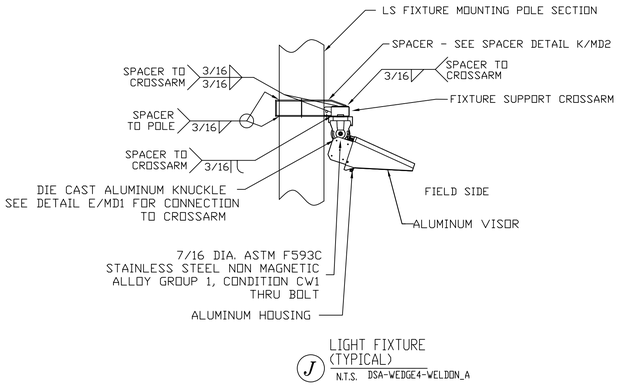
CONSULTANT
rtm
engineering consultants
1 Ada, Suite 100, Irvine, CA 92618
TX (949) 450-0300
www.rtmengineers.com
RTM JOB NO.: 463.745

musco Lighting
CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

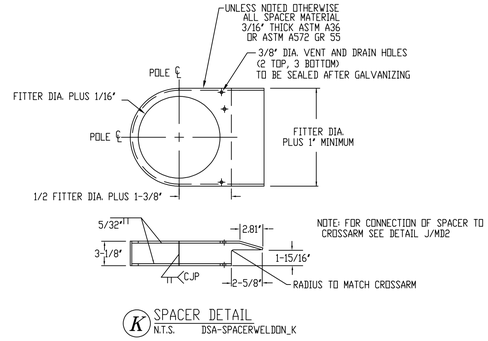
DRAWING TITLE: ATTACHMENT DETAILS
SCALE: SEE PLAN
REVISIONS
REFERENCE:

PROJECT NO. 244479
DATE: 07/09/2025
DRAWN BY: W.Isiminger
DRAWING NO. 6 OF 8 MD1

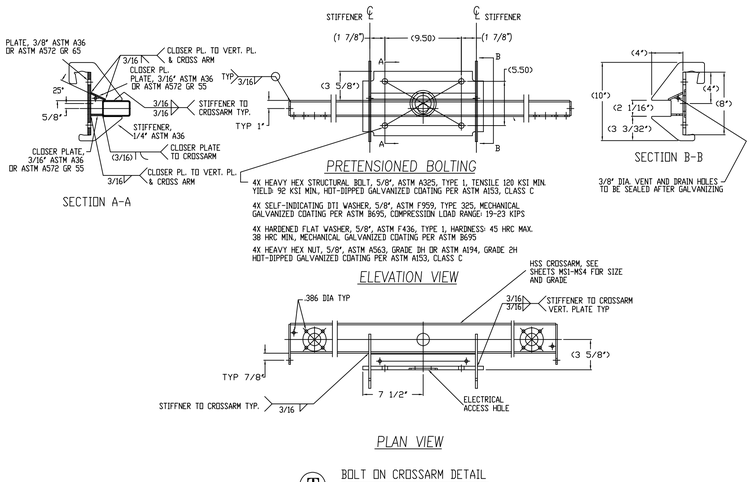
STRU-MD1



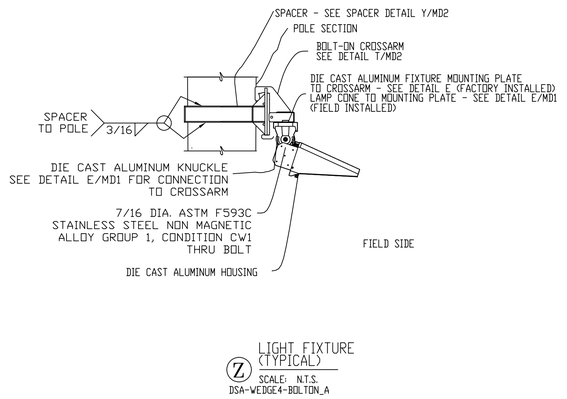
J LIGHT FIXTURE (TYPICAL)
N.T.S. DSA-WEDGE4-WELDON_A



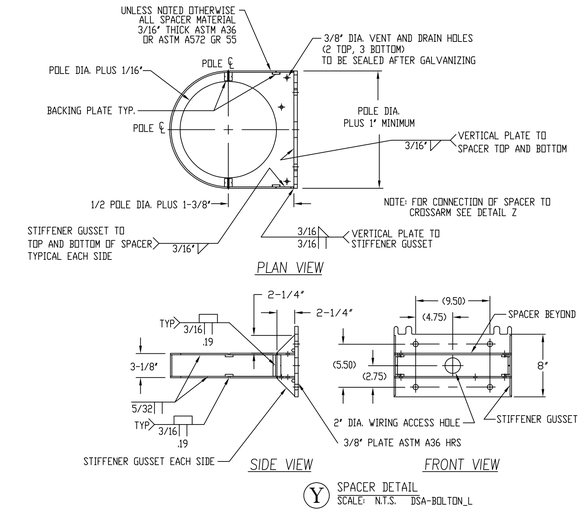
K SPACER DETAIL
N.T.S. DSA-SPACERWELDON_K



T BOLT ON CROSSARM DETAIL
SCALE: N.T.S. DSA-BOLTonBAR-LED_A_1



Z LIGHT FIXTURE (TYPICAL)
SCALE: N.T.S.
DSA-WEDGE4-BOLTON_A



Y SPACER DETAIL
SCALE: N.T.S. DSA-BOLTON_L

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Tenaya Middle School Baseball And Soccer
FIELD LIGHTING
Merced, CA

REGISTERED PROFESSIONAL ENGINEER
No. 45061
Exp. 6-30-27
STRUCTURAL
STATE OF CALIFORNIA

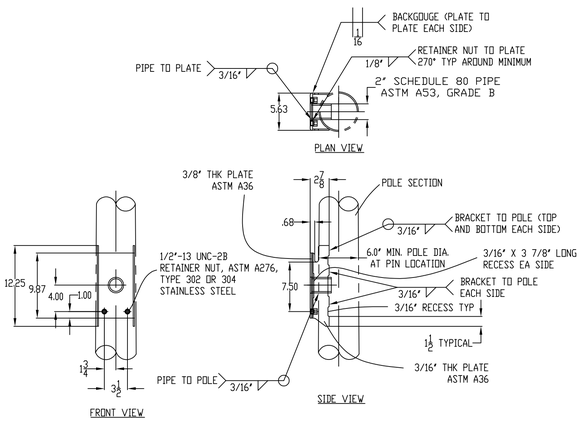
CONSULTANT
rtm
engineering consultants
1 Ada, Suite 100, Irvine, CA 92618
(949) 753-8080
WWW.RTMEC.COM
RTM JOB NO.: 463.745

musco Lighting
CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

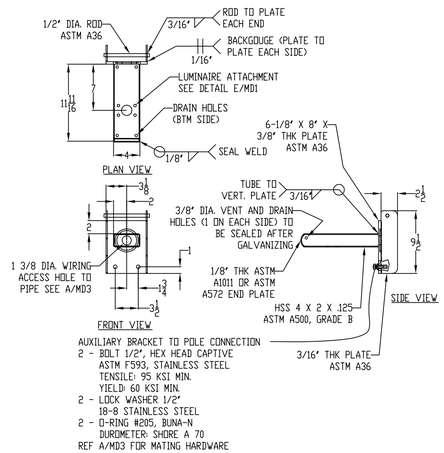
DRAWING TITLE: ATTACHMENT DETAILS
SCALE: SEE PLAN
REVISIONS
REFERENCE:

PROJECT NO. 244479
DATE: 07/09/2025
DRAWN BY: W.Isiminger
DRAWING NO. MD2
7 OF 8

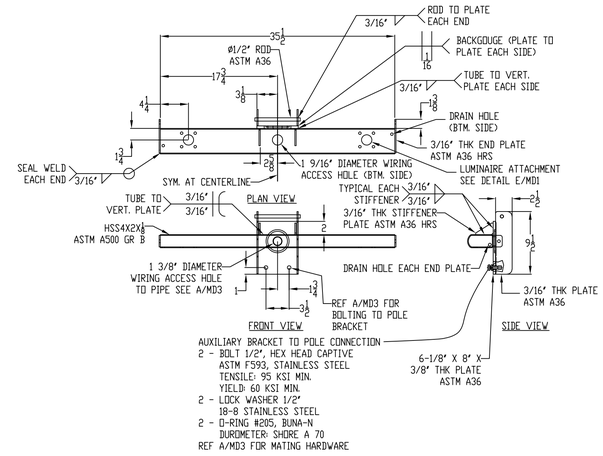
STRU-MSE



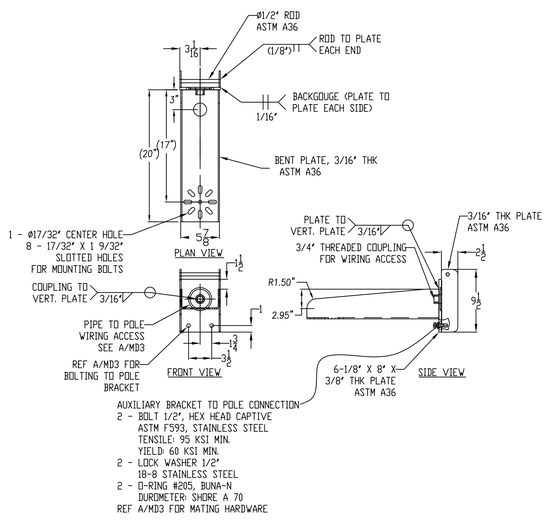
A BRACKET DETAIL
N.T.S. DSA-Brk-Dtl-L_A



B 1P AUXILIARY MOUNTING BRACKET
N.T.S. DSA-1P FIXTURE MOUNT_F



C 2P AUXILIARY MOUNTING BRACKET
N.T.S. DSA-2P FIXTURE MOUNT_F



S 1P INVERTED LONG-NOSE TRUNNION MOUNT
N.T.S. DSA-1P EXT-INV TRUNNION_A

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Tenaya Middle School Baseball And Soccer
FIELD LIGHTING
Merced, CA

REGISTERED PROFESSIONAL ENGINEER
No. 46506
Exp. 6-30-27
STRUCTURAL
STATE OF CALIFORNIA

CONSULTANT
rtm engineering corporation
1 Ashley Crossing Willits, CA 95490
Tel (707) 462-0200
www.rtmengr.com
RTM JOB NO.: 463.745

musco Lighting
CORPORATE OFFICE:
P.O. Box 808
100 1st Avenue West
Oskaloosa, Iowa 52577
800/825-6020

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REFERENCE:

PROJECT NO. 244479
DATE: 07/09/2025
DRAWN BY: W.Isiminger
DRAWING NO. MD3
8 OF 8

STRU-MDS

ELECTRICAL POWER & SYSTEMS SYMBOLS

	RECEPTACLE PEDESTAL - WEATHER-PROOF WITH GFI RECEPTACLE
	NONFUSED DISCONNECT SWITCH - TYPE AND SIZE AS INDICATED ON DRAWINGS
	FUSED DISCONNECT SWITCH - TYPE AND SIZE AS INDICATED ON DRAWINGS
	SWITCH
	CIRCUIT BREAKER
M	METER WITH CURRENT TRANSFORMERS
	EXISTING PANELBOARD/LOADCENTER, FLUSH MOUNTED
	EXISTING PANELBOARD/LOADCENTER, SURFACE MOUNTED
	EXISTING DISTRIBUTION PANELBOARD, SURFACE MOUNTED
	NEW PANELBOARD/LOADCENTER, FLUSH MOUNTED
	NEW PANELBOARD/LOADCENTER, SURFACE MOUNTED
	NEW DISTRIBUTION PANELBOARD, SURFACE MOUNTED
SPD	SURGE PROTECTIVE DEVICE
LCP	LIGHTING CONTROL PANEL
	TRANSFORMER
	MUSCO SPORTS FIELD LIGHT & POLE

ABBREVIATION

TBD	TO BE DETERMINED
UG	UNDERGROUND
WP	WEATHER-PROOF
(##)	CIRCUIT NUMBER
(E)	EXISTING
(D)	DEMOLITION
(N)	NEW

ELECTRICAL GENERAL SYMBOLS

	CONTROL WIRING IN CONDUIT
E	EMERGENCY BRANCH CIRCUIT IN CONDUIT
	BRANCH CIRCUIT IN CONDUIT CONCEALED BELOW GRADE / UNDERGROUND
X	EXISTING EQUIPMENT/WIRE TO BE REMOVED
	EXISTING EQUIPMENT/WIRE TO REMAIN
	NEW EQUIPMENT/WIRE
	CONDUIT STUB-UP

LIGHT FIXTURE SCHEDULE (REFER STRUCTURE DETAIL 14/S501 FOR POLE BASE DETAIL)

SYMBOL	TYPE	FIXTURE DESCRIPTION	MANUFACTURER	MOUNTING	VOLT	LOAD	QTY.	REMARKS
	F1	LED AREA POST MOUNTED FIXTURE IES TYPE 3 DISTRIBUTION, BUTTON PHOTOCELL, NATURAL ALUMINUM FINISH, SQUARE STRAIGHT ALUMINUM POLE, 20'H, NATURAL ALUMINUM FINISH. 0-10V DIMMING.	LITHONIA LIGHTING 'D-SERIES SIZE 0' #DSX0-LED-P5-40K-70CRI-T2M-MVOLT-SPA-PER7 POLE: # SSA-20'-5G-DM19AS-UL	POLE	277V	89W	12	TRACK LIGHTING (MAST ARM ADAPTORS SHALL BE SUPPLIED WITH THE LOW-LEVEL LIGHTS TO ENABLE MOUNTING ON THE SPORTS FIELD LIGHT POLES UNDER ADD ALTERNATE BID 2.)
	F2	LED AREA POST MOUNTED FIXTURE IES TYPE 3 DISTRIBUTION, NATURAL ALUMINUM FINISH, SQUARE STRAIGHT ALUMINUM POLE, 20'H, NATURAL ALUMINUM FINISH. MOTION SENSOR WITH INTEGRAL PHOTOCELL AND DIMMING CAPABILITY WHEN NO OCCUPANCY.	LITHONIA LIGHTING 'D-SERIES SIZE 0' #DSX0-LED-P2-40K-70CRI-T2M-MVOLT-SPA-PIR POLE: # SSA-20'-5G-DM19AS-UL	POLE	277V	45W	2	PATHWAY LIGHTING

CAMERA POLE SCHEDULE (REFER STRUCTURE DETAIL 16/S501 FOR POLE BASE DETAIL)

CAMERA DESCRIPTION	POLE MANUFACTURER	MOUNTING	VOLT	QTY.
NEW THREE DIRECTIONAL CAMERA LENS TO BE INSTALLED ON A POLE. CAMERA SELECTION DONE BY OTHERS. CAMERA & INSTALLATION OF CAMERA IS NOT IN CONTRACT. MAX. A_E = 5 SF, MAX. WEIGHT = 50LBS	STEADYMAX SERIES POLE: # SP-SM20.	POLE	120V	1

MUSCO SPORTS FIELD LIGHTS AND POLES

STRUCTURE/FIXTURE SUMMARY

STRUCTURE ID	STRUCTURE HEIGHT	FIXT. ATTACHMENT HEIGHT	FIXTURE QTY.	FIXTURE TYPE	LOAD
A1-A2	70'	70'	4	TLC-LED-1200	4.68KW
		16'	1	TLC-BT-575	0.57KW
A3	60'	60'	1	TLC-LED-1200	1.17KW
		60'	2	TLC-LED-900	1.76KW
		16'	1	TLC-BT-575	0.57KW
B1-B2	70'	70'	4	TLC-LED-1500	5.64KW
		16'	1	TLC-BT-575	0.57KW
B3	70'	70'	4	TLC-LED-1500	5.64KW
		16'	1	TLC-BT-575	0.57KW
C1-C2	70'	70'	4	TLC-LED-1500	5.64KW
		16'	2	TLC-BT-575	1.15KW
S1	90'	90'	1	TLC-LED-1200	1.17KW
		90'	2	TLC-LED-900	1.76KW
		90'	3	TLC-LED-1500	4.23KW
		90'	3	TLC-LED-1500	4.23KW
		16'	1	TLC-BT-575	0.57KW
S2	90'	90'	3	TLC-LED-1500	4.23KW
		90'	3	TLC-LED-1500	4.23KW
		90'	4	TLC-LED-1500	5.64KW
		16'	1	TLC-BT-575	0.57KW
S3-S4	80'	80'	3	TLC-LED-1500	4.23KW
		80'	3	TLC-LED-1500	4.23KW

FIXTURE TYPE SUMMARY

TYPE	SOURCE	WATTAGE	LUMENS	QUANTITY
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	8
TLC-BT-575	LED 5700K - 75 CRI	575W	52,000	4
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	8
TLC-LED-1200	LED 5700K - 75 CRI	1170W	150,000	2
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	12
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	12
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	16
TLC-LED-1500	LED 5700K - 75 CRI	1410W	181,000	8
TLC-LED-900	LED 5700K - 75 CRI	880W	104,000	4

ELECTRICAL DRAWING LIST

SHEET #	SHEET NAME
E1.0	ELECTRICAL LEGENDS, SHEET INDEX, & PANEL SCHEDULE
E1.1	SINGLE LINE DIAGRAM & FEEDER SCHEDULE
E1.2	ELECTRICAL DETAILS - 1
E1.3	ELECTRICAL DETAILS - 2
E2.1	ELECTRICAL SITE PLAN BASE BID
E2.2	ELECTRICAL SITE PLAN ADD ALTERNATE BIDS
E3.1	LIGHTING PHOTOMETRIC PLAN LOW LEVEL LIGHTING - BASE BID
E3.2	LIGHTING PHOTOMETRIC PLAN SPORTS FIELD LIGHTING - ADD ALTERNATE BID #2
BC1	T24 COMPLIANCE FORM LOW LEVEL LIGHTING - BASE BID
BC2	T24 COMPLIANCE FORM SPORTS FIELD LIGHTING - ADD ALTERNATE BID #2
BC3	T24 COMPLIANCE FORM ELECTRICAL POWER DISTRIBUTION

PART OF ADD ALTERNATE BID #2

Panel Voltage: 480 Y / 277 3φ, 4W — PANEL: (N) LA — MOUNTING: STRUT MOUNT
CU BUS RATING: 400A — ENCLOSURE: NEMA 3R
MAIN OCPD: 300A — EQ. GND CU BUS: YES — LOCATION: OUTDOOR
AIC RATING: 22KA — ISO. GND CU BUS: NO — FED FROM: MSB
* = estimated Load — recep = receptacle — GP = General Purpose

SERVES	Volt Amp (VA)	CIR. NO.	BKR.		BKR.	CIR. NO.	Volt Amp (VA)	SERVES
	1333	1	3		2	2	3333	
EMERGENCY INVERTER	1333	3			40	4	3333	MINI POWER CENTER
	1333	5		20	2	6	3228	MUSCO POLE A2
MUSCO POLE A1	3228	7	2		20	8	3228	BASEBALL
BASEBALL	3228	9	20		2	10	3833	MUSCO POLE B2
MUSCO POLE B1	3833	11	2		20	12	3833	BASEBALL
BASEBALL	3833	13	20		2	14	4181	MUSCO POLE C2
MUSCO POLE C1	4181	15	2		25	16	4181	BASEBALL
BASEBALL	4181	17	25		2	18	2614	MUSCO POLE S2
MUSCO POLE S1	2614	19	2		20	20	2614	SOCCER
SOCCER	2614	21	20		2	22	2614	MUSCO POLE S4
MUSCO POLE S3	2614	23	2		20	24	2614	SOCCER
SOCCER	2614	25	20		2	26	2614	MUSCO POLE S2
MUSCO POLE S1	2614	27	2		20	28	2614	TRACK
TRACK	2614	29	20		2	30	2614	MUSCO POLE S4
MUSCO POLE S3	2614	31	2		20	32	2614	TRACK
TRACK	2614	33	20		2	34	3833	MUSCO POLE S2
MUSCO POLE S1	2153	35	2		20	36	3833	SOFTBALL
SOFTBALL	2153	37	20		2	38	3833	MUSCO POLE B3
MUSCO POLE A3	2153	39	2		20	40	3833	SOFTBALL
SOFTBALL	2153	41	20		3	42	7482	
LCP	500	49	1/15			44	7482	BOOSTER PUMP #1, 20HP
	1330	49	3		40	46	7482	
SUSTAIN PUMP #1, 3HP	1330	49			1/20	48		SPARE
	1330	49		15	1/20	50		SPARE
SPARE		51	1/20		1/20	52		SPARE
SPARE		53	1/20		1/20	54		SPARE
Subtotal	60494						87837	Subtotal

Connect Load: **148,330** VA **178.41** Amp

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REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

PEARCE
1222 VINE ST.
SUITE 301
PASO ROBLES, CA 93446
pearce-services.com

JEFFREY H. ANDEY — Lic. No. 19459 — Exp. 06/30/2027 — Electrical — STATE OF CALIFORNIA — REGISTERED PROFESSIONAL ENGINEER

100% CONSTRUCTION DOCUMETNS

ELECTRICAL LEGENDS, SHEET INDEX, & PANEL SCHEDULE

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

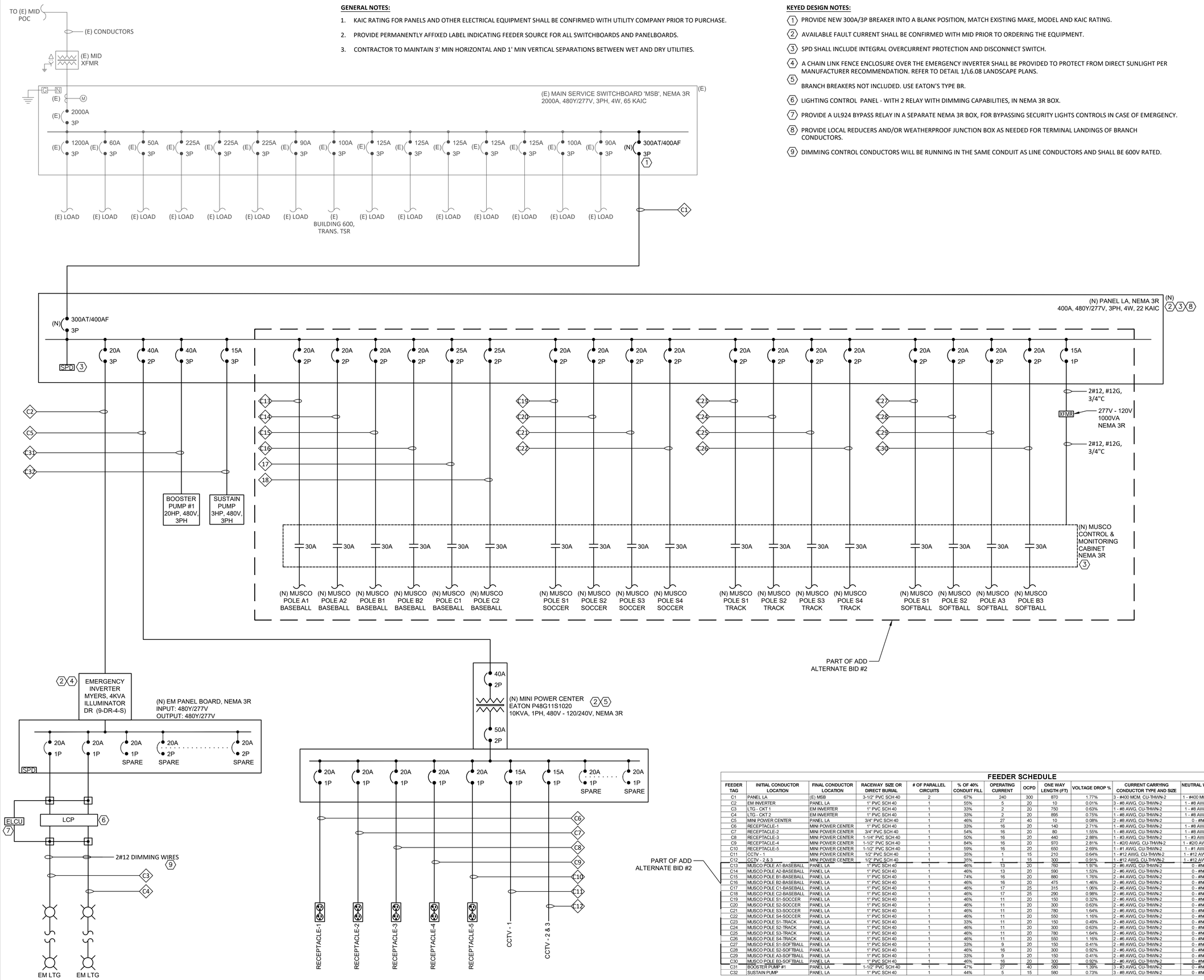
DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: AY
CHECKED BY: JG
SHEET NO.
E1.0

GENERAL NOTES:

1. KAIC RATING FOR PANELS AND OTHER ELECTRICAL EQUIPMENT SHALL BE CONFIRMED WITH UTILITY COMPANY PRIOR TO PURCHASE.
2. PROVIDE PERMANENTLY AFFIXED LABEL INDICATING FEEDER SOURCE FOR ALL SWITCHBOARDS AND PANELBOARDS.
3. CONTRACTOR TO MAINTAIN 3' MIN HORIZONTAL AND 1' MIN VERTICAL SEPARATIONS BETWEEN WET AND DRY UTILITIES.

KEYED DESIGN NOTES:

1. PROVIDE NEW 300A/3P BREAKER INTO A BLANK POSITION, MATCH EXISTING MAKE, MODEL AND KAIC RATING.
2. AVAILABLE FAULT CURRENT SHALL BE CONFIRMED WITH MID PRIOR TO ORDERING THE EQUIPMENT.
3. SPD SHALL INCLUDE INTEGRAL OVERCURRENT PROTECTION AND DISCONNECT SWITCH.
4. A CHAIN LINK FENCE ENCLOSURE OVER THE EMERGENCY INVERTER SHALL BE PROVIDED TO PROTECT FROM DIRECT SUNLIGHT PER MANUFACTURER RECOMMENDATION. REFER TO DETAIL 1/L6.08 LANDSCAPE PLANS.
5. BRANCH BREAKERS NOT INCLUDED. USE EATON'S TYPE BR.
6. LIGHTING CONTROL PANEL - WITH 2 RELAY WITH DIMMING CAPABILITIES, IN NEMA 3R BOX.
7. PROVIDE A UL924 BYPASS RELAY IN A SEPARATE NEMA 3R BOX, FOR BYPASSING SECURITY LIGHTS CONTROLS IN CASE OF EMERGENCY.
8. PROVIDE LOCAL REDUCERS AND/OR WEATHERPROOF JUNCTION BOX AS NEEDED FOR TERMINAL LANDINGS OF BRANCH CONDUCTORS.
9. DIMMING CONTROL CONDUCTORS WILL BE RUNNING IN THE SAME CONDUIT AS LINE CONDUCTORS AND SHALL BE 600V RATED.



FEEDER SCHEDULE

FEEDER TAG	INITIAL CONDUCTOR LOCATION	FINAL CONDUCTOR LOCATION	RACEWAY SIZE OR DIRECT BURIAL	# OF PARALLEL CIRCUITS	% OF 40% CONDUIT FILL	OPERATING CURRENT	OCPD	ONE WAY LENGTH (FT)	VOLTAGE DROP %	CURRENT CARRYING CONDUCTOR TYPE AND SIZE	NEUTRAL WIRE TYPE AND SIZE	GROUNDING CONDUCTOR SIZE (AWG)	NOTES
C1	PANEL LA	(E) MSB	3-1/2" PVC SCH 40	2	67%	240	300	870	1.77%	3 - #400 MCM, CU-THWN-2	1 - #400 MCM, CU-THWN-2	1 - #3/0 AWG, CU-THWN-2	EGC
C2	EM INVERTER	PANEL LA	1" PVC SCH 40	1	55%	5	20	10	0.01%	3 - #6 AWG, CU-THWN-2	1 - #6 AWG, CU-THWN-2	1 - #8 AWG, CU-THWN-2	EGC
C3	LTG - CKT 1	EM INVERTER	1" PVC SCH 40	1	33%	2	20	750	0.63%	1 - #8 AWG, CU-THWN-2	1 - #8 AWG, CU-THWN-2	1 - #8 AWG, CU-THWN-2	EGC
C4	LTG - CKT 2	EM INVERTER	1" PVC SCH 40	1	33%	2	20	895	0.75%	1 - #8 AWG, CU-THWN-2	1 - #8 AWG, CU-THWN-2	1 - #8 AWG, CU-THWN-2	EGC
C5	MINI POWER CENTER	PANEL LA	3/4" PVC SCH 40	1	46%	27	40	10	0.08%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #10 AWG, CU-THWN-2	EGC
C6	RECEPTACLE-1	MINI POWER CENTER	1" PVC SCH 40	1	33%	16	20	140	2.71%	1 - #8 AWG, CU-THWN-2	1 - #8 AWG, CU-THWN-2	1 - #8 AWG, CU-THWN-2	EGC
C7	RECEPTACLE-2	MINI POWER CENTER	3/4" PVC SCH 40	1	54%	16	20	80	1.55%	1 - #8 AWG, CU-THWN-2	1 - #8 AWG, CU-THWN-2	1 - #8 AWG, CU-THWN-2	EGC
C8	RECEPTACLE-3	MINI POWER CENTER	1-1/4" PVC SCH 40	1	50%	16	20	440	2.88%	1 - #3 AWG, CU-THWN-2	1 - #3 AWG, CU-THWN-2	1 - #3 AWG, CU-THWN-2	EGC
C9	RECEPTACLE-4	MINI POWER CENTER	1-1/2" PVC SCH 40	1	84%	16	20	970	2.81%	1 - #2/0 AWG, CU-THWN-2	1 - #2/0 AWG, CU-THWN-2	1 - #2/0 AWG, CU-THWN-2	EGC
C10	RECEPTACLE-5	MINI POWER CENTER	1-1/2" PVC SCH 40	1	59%	16	20	650	2.69%	1 - #1 AWG, CU-THWN-2	1 - #1 AWG, CU-THWN-2	1 - #1 AWG, CU-THWN-2	EGC
C11	CCTV - 1	MINI POWER CENTER	1/2" PVC SCH 40	1	35%	1	15	210	0.64%	1 - #12 AWG, CU-THWN-2	1 - #12 AWG, CU-THWN-2	1 - #12 AWG, CU-THWN-2	EGC
C12	CCTV - 2 & 3	MINI POWER CENTER	1/2" PVC SCH 40	1	35%	1	15	300	0.91%	1 - #12 AWG, CU-THWN-2	1 - #12 AWG, CU-THWN-2	1 - #12 AWG, CU-THWN-2	EGC
C13	MUSCO POLE A1-BASEBALL	PANEL LA	1" PVC SCH 40	1	46%	13	20	760	1.97%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C14	MUSCO POLE A2-BASEBALL	PANEL LA	1" PVC SCH 40	1	46%	13	20	590	1.53%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C15	MUSCO POLE B1-BASEBALL	PANEL LA	1" PVC SCH 40	1	74%	16	20	880	1.76%	2 - #4 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #4 AWG, CU-THWN-2	EGC
C16	MUSCO POLE B2-BASEBALL	PANEL LA	1" PVC SCH 40	1	46%	16	20	475	1.46%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C17	MUSCO POLE C1-BASEBALL	PANEL LA	1" PVC SCH 40	1	46%	17	25	315	1.06%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C18	MUSCO POLE C2-BASEBALL	PANEL LA	1" PVC SCH 40	1	46%	17	25	290	0.98%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C19	MUSCO POLE S1-SOCCER	PANEL LA	1" PVC SCH 40	1	46%	11	20	150	0.32%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C20	MUSCO POLE S2-SOCCER	PANEL LA	1" PVC SCH 40	1	46%	11	20	300	0.63%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C21	MUSCO POLE S3-SOCCER	PANEL LA	1" PVC SCH 40	1	46%	11	20	780	1.64%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C22	MUSCO POLE S4-SOCCER	PANEL LA	1" PVC SCH 40	1	46%	11	20	550	1.16%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C23	MUSCO POLE S1-TRACK	PANEL LA	1" PVC SCH 40	1	33%	11	20	150	0.49%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C24	MUSCO POLE S2-TRACK	PANEL LA	1" PVC SCH 40	1	46%	11	20	300	0.63%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C25	MUSCO POLE S3-TRACK	PANEL LA	1" PVC SCH 40	1	46%	11	20	780	1.64%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C26	MUSCO POLE S4-TRACK	PANEL LA	1" PVC SCH 40	1	46%	11	20	550	1.16%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C27	MUSCO POLE S1-SOFTBALL	PANEL LA	1" PVC SCH 40	1	33%	9	20	150	0.41%	2 - #8 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #8 AWG, CU-THWN-2	EGC
C28	MUSCO POLE S2-SOFTBALL	PANEL LA	1" PVC SCH 40	1	46%	16	20	300	0.92%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C29	MUSCO POLE A3-SOFTBALL	PANEL LA	1" PVC SCH 40	1	33%	9	20	150	0.41%	2 - #8 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #8 AWG, CU-THWN-2	EGC
C30	MUSCO POLE B3-SOFTBALL	PANEL LA	1" PVC SCH 40	1	46%	16	20	300	0.92%	2 - #6 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #6 AWG, CU-THWN-2	EGC
C31	BOOSTER PUMP #1	PANEL LA	1-1/2" PVC SCH 40	1	47%	27	40	580	1.39%	3 - #3 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #4 AWG, CU-THWN-2	EGC
C32	SUSTAIN PUMP	PANEL LA	1" PVC SCH 40	1	44%	5	15	580	0.73%	3 - #8 AWG, CU-THWN-2	0 - #NO NEUTRAL	1 - #8 AWG, CU-THWN-2	EGC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

PEARCE
1222 VINE ST. SUITE 301
PASO ROBLES, CA 93446
pearce-services.com

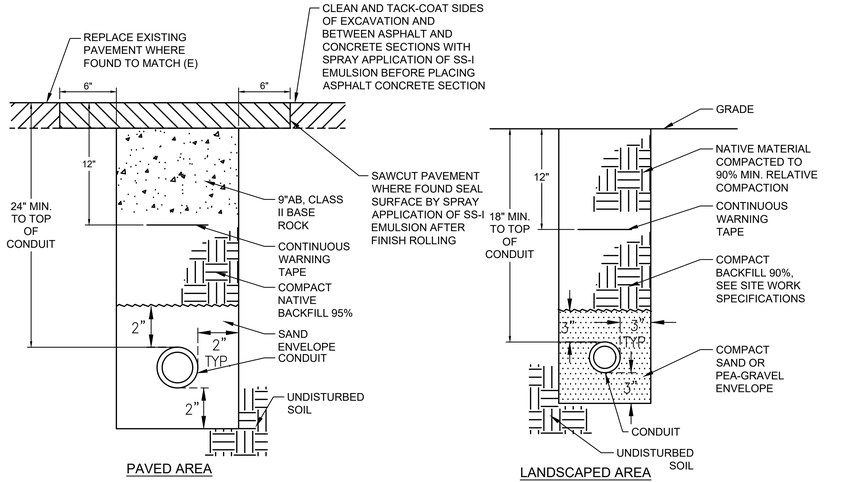
REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ANDEY
Lic. No. 19459
Exp. 06/30/2027
Electrical
STATE OF CALIFORNIA

SINGLE LINE DIAGRAM & FEEDER SCHEDULE

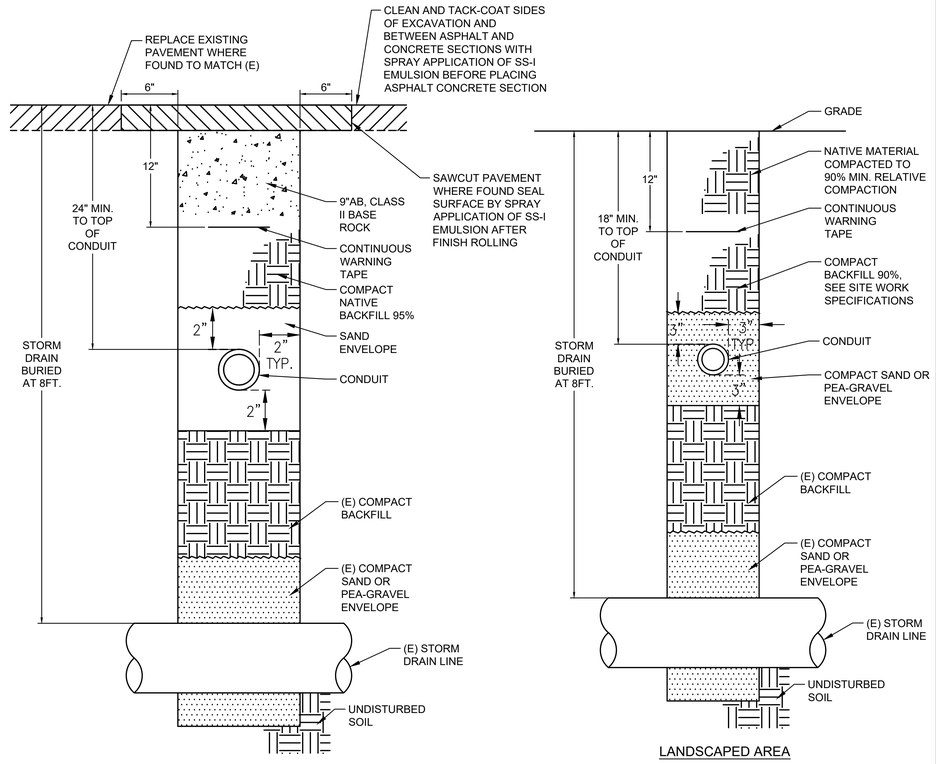
100% CONSTRUCTION DOCUMETNS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: AY
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E1.1



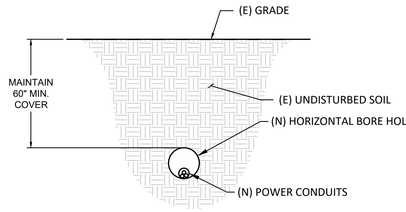
1 TRENCH DETAILS
SCALE: NTS



2 TRENCH DETAILS - CONDUIT CROSSING STORM DRAIN
SCALE: NTS

DIRECTIONAL BORE NOTES:

1. SLURRY BACKFILL ALL THE BORE PITS AND POTHOLES UNDER PAVEMENT AND SIDEWALKS.
2. CONDUIT SHALL BE PVC.
3. A SINGLE BORE CASING SHALL NOT HAVE MORE THAN 2 POWER CONDUITS.

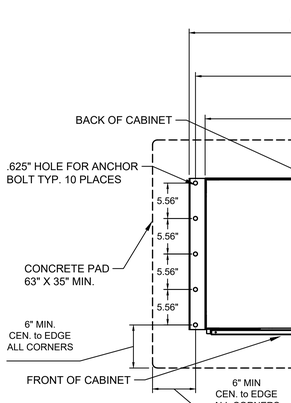


3 BORE DETAIL
SCALE: NTS

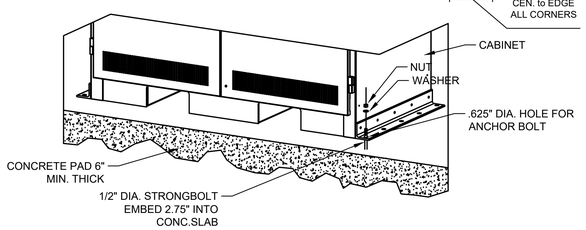


NOTE: FROM FRONT OF CABINET INPUT CONNECTIONS LOCATED ON LEFT SIDE OF CABINET OUTPUT CONNECTIONS LOCATED ON RIGHT SIDE OF CABINET

CONDUIT LOCATION DETAIL, TYP. BOTH SIDES
1.75" ID, 2.00" OD CONDUIT KNOCKOUTS ON SIDES ONLY NO BOTTOM ENTRY



PLAN VIEW OF CABINET



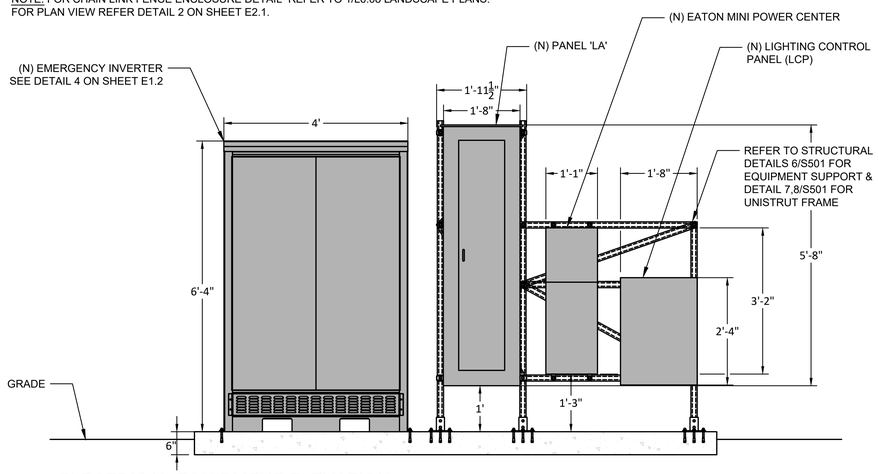
ANCHOR BOLT DETAIL, TYP. BOTH SIDES

INSTRUCTION FOR FILED INSTALLED SEISMIC CABINETS

1. POSITION AND SECURE ELECTRONICS CABINET TO THE PAD USING HOLES PROVIDED IN ANGLES ON SIDE OF CABINET. REFER TO STRUCTURE DETAIL 10/S501 ANCHOR BOLT DETAIL.

4 EMERGENCY INVERTER INSTALLATION DETAIL
SCALE: NTS

NOTE: FOR CHAIN LINK FENCE ENCLOSURE DETAIL REFER TO 1/L6.08 LANDSCAPE PLANS.
FOR PLAN VIEW REFER DETAIL 2 ON SHEET E2.1.



5 ELECTRICAL EQUIPMENT ELEVATION
SCALE: NTS

EQUIPMENT WEIGHT SCHEDULE	
EQUIPMENT NAME	**WEIGHT (LBS)**
EMERGENCY INVERTER	1883
PANEL 'LA'	200
EATON MINI POWER CENTER	275
LIGHTING CONTROL PANEL	15

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tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

PEARCE
1222 VINE ST. SUITE 301
PASO ROBLES, CA 93446
pearce-services.com

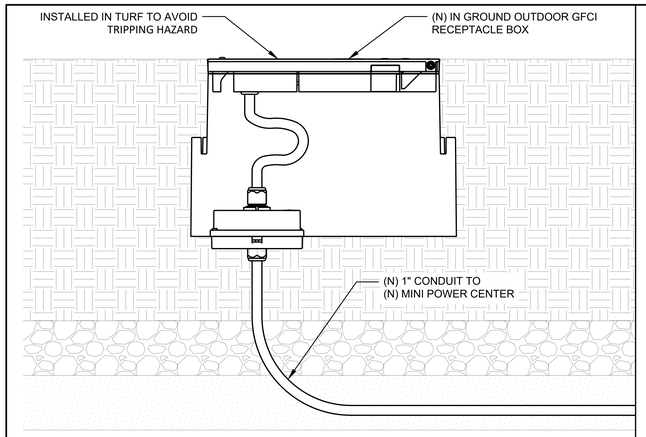
REGISTERED PROFESSIONAL ENGINEER
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ELECTRICAL
STATE OF CALIFORNIA

ELECTRICAL DETAILS - 1

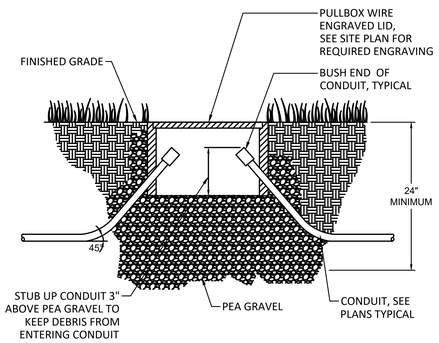
100% CONSTRUCTION DOCUMETNS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
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MERCED, CA 95341

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1 OUTDOOR RECEPTACLE GROUND BOX DETAIL
SCALE: NTS



2 PULLBOX/CONDUIT INSTALLATION DETAIL
SCALE: NTS

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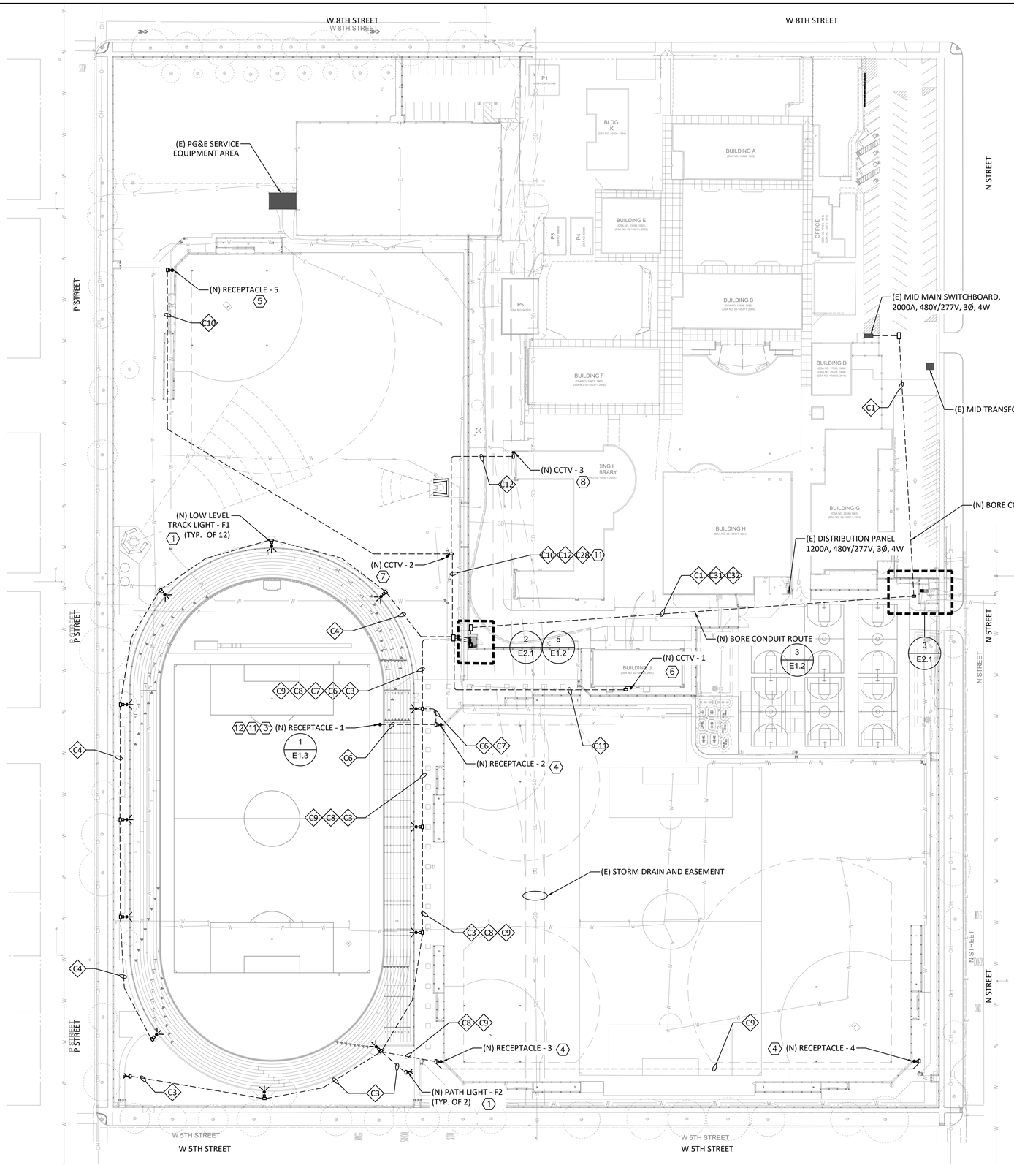
REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ANDEL
Lic. No. 19459
Exp. 06/30/2027
Electrical
STATE OF CALIFORNIA

ELECTRICAL DETAILS - 2

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
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SHEET NO.
E1.3

100% CONSTRUCTION DOCUMETNS



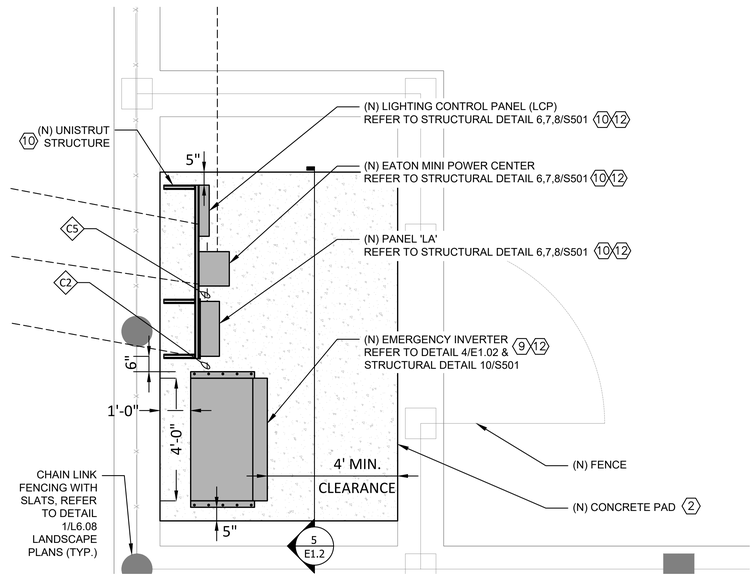
1 ELECTRICAL SITE PLAN BASE BID
SCALE: 1/48" = 1'-0"

GENERAL NOTES:

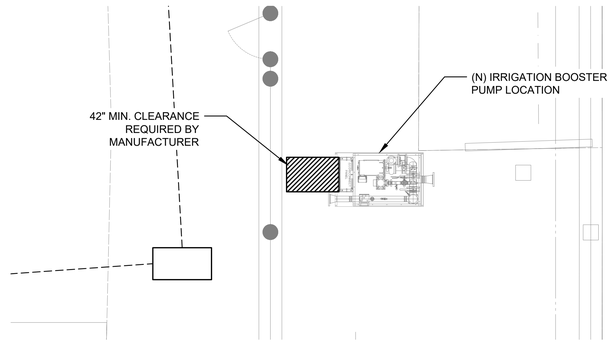
1. LOCATE ELECTRICAL CONDUITS AND EQUIPMENT SO AS NOT TO CONFLICT WITH OTHER UNDERGROUND UTILITIES AND OTHER IMPROVEMENTS.
2. REFER TO CIVIL AND ARCHITECTURAL PLANS FOR EXACT POLES LOCATION.
3. REFER TO SHEET E1.1 FOR SINGLE LINE DIAGRAM & FEEDER SCHEDULE.
4. REFER TO DETAIL 1 & 2, SHEET E1.2 FOR TRENCHING DETAILS.
5. REFER TO DETAIL 3, SHEET E1.2 FOR BORE DETAILS.
6. THE INSTALLATION SHALL MEET ALL REQUIREMENTS OF CALIFORNIA ELECTRICAL CODE.
7. COMPLIANCE WITH CALGREEN CODE SECTION 5.106.8 - LIGHT POLLUTION REDUCTION
   - TRACK LIGHTING (F1): N/A - PER SECTION 5.106.8 LIGHT POLLUTION REDUCTION EXCEPTION - 1.
   - PATHWAY LIGHTING (F2): N/A - PER SECTION 5.106.8 LIGHT POLLUTION REDUCTION EXCEPTION - 5.
   - SPORTS FIELD LIGHTING: N/A - PER SECTION 5.106.8 LIGHT POLLUTION REDUCTION EXCEPTION - 1.

KEYED DESIGN NOTES:

1. EXACT POLE LOCATION SHALL BE COORDINATED WITH ARCHITECT.
2. COORDINATE PAD AND AREA ELEVATION WITH CIVIL AND ARCHITECT. FIELD VERIFY EXACT EQUIPMENT DIMENSIONS.
3. WEATHERPROOF GFCI RECEPTACLE,OUTDOOR RATED, SURFACE MOUNTED, INSTALLED IN THE TURF TO AVOID TRIPPING HAZARD. REFER TO DETAIL 1 ON SHEET E1.3.
4. WEATHERPROOF GFCI RECEPTACLE, OUTDOOR RATED, TO BE INSTALLED ON BACKSIDE OF THE BACKSTOP. TBD
5. WEATHERPROOF GFCI RECEPTACLE, OUTDOOR RATED, TO BE INSTALLED ON STEEL POLE.
6. NEW THREE DIRECTIONAL CAMERA LENS TO BE INSTALLED ON SOUTH SIDE AT MUSIC BUILDING. DONE BY OTHERS. NOT INCLUDED IN CONTRACT.
7. NEW THREE DIRECTIONAL CAMERA LENS AND INSTALLATION OF CAMERA SHALL BE DONE BY OTHERS, NOT INCLUDED IN CONTRACT. POLE SHALL BE INSTALLED UNDER BASE BID CONSTRUCTION.
8. NEW THREE DIRECTIONAL CAMERA LENS TO BE INSTALLED AT CORNER OF ROOM 47. DONE BY OTHERS. NOT INCLUDED IN CONTRACT.
9. A CHAIN LINK FENCE ENCLOSURE OVER THE EMERGENCY INVERTER SHALL BE PROVIDED TO PROTECT FROM DIRECT SUNLIGHT PER MANUFACTURER RECOMMENDATION. REFER TO DETAIL 1/L6.08 LANDSCAPE PLANS.
10. PROVIDE UNISTRUT AS NEEDED TO SUPPORT EQUIPMENT. FIELD VERIFY EXACT EQUIPMENT SIZE.
11. PROVIDE A MINIMUM 3 FEET CLEARANCE FROM ANY SWALE OR WATER/STORM DRAIN.
12. DETERMINE FINAL LOCATION OF OUTLET BOX IN THE FIELD.



2 ELECTRICAL EQUIPMENT & PAD DETAIL (REFER TO DETAIL 5/E1.2)
SCALE: 1/2" = 1'-0"



3 ELECTRICAL SITE PLAN - BOOSTER PUMP LOCATION
SCALE: 1/4" = 1'-0"

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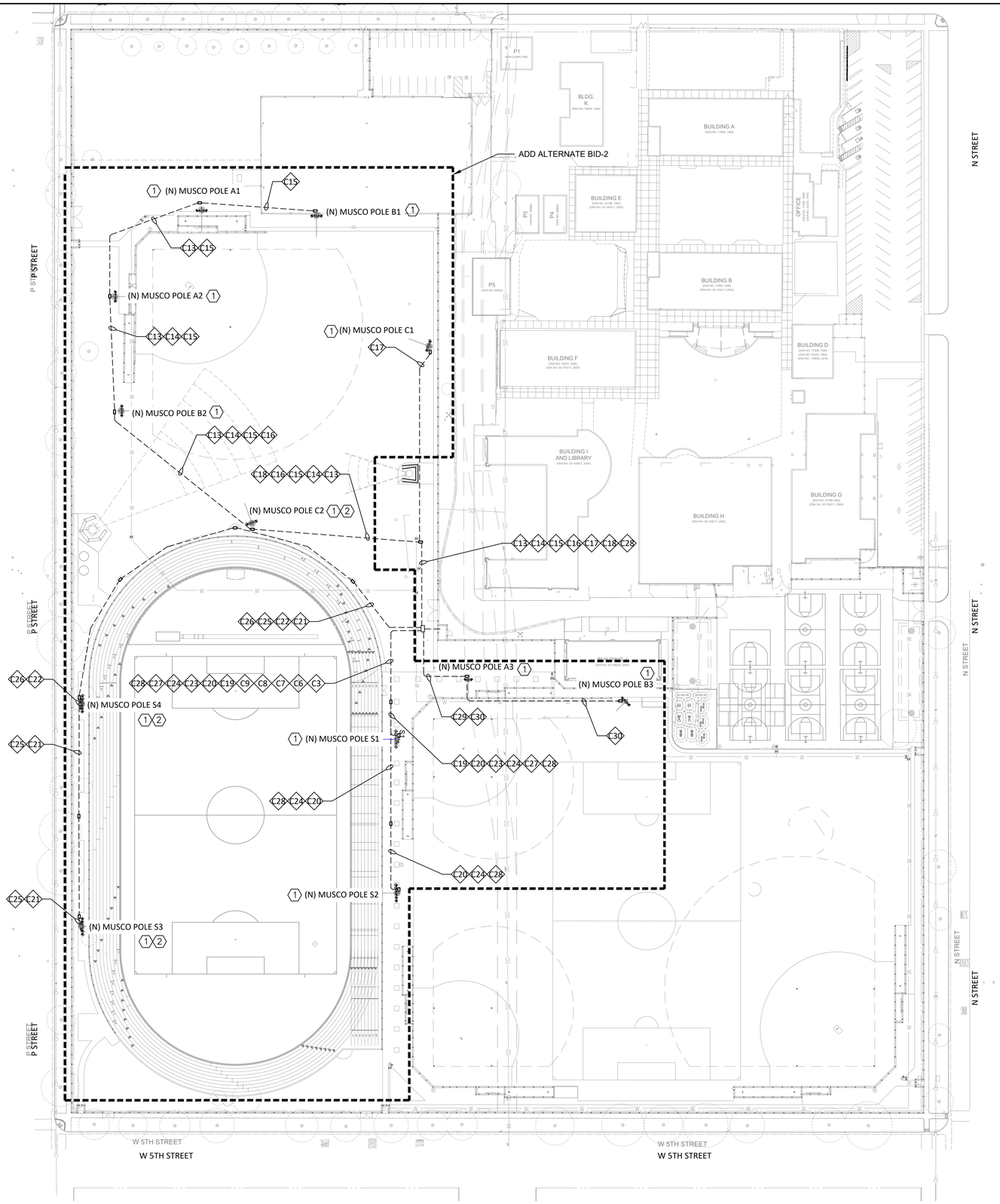
REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ABERLY
Lic. No. 19459
Exp. 06/30/2027
Electrical
STATE OF CALIFORNIA

ELECTRICAL SITE PLAN
BASE BID

100% CONSTRUCTION DOCUMETNS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
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E2.1



1 ELECTRICAL SITE PLAN ADD ALTERNATE BIDS
SCALE: 1/48" = 1'-0"

GENERAL NOTES:

1. LOCATE ELECTRICAL CONDUITS AND EQUIPMENT SO AS NOT TO CONFLICT WITH OTHER UNDERGROUND UTILITIES AND OTHER IMPROVEMENTS.
2. REFER TO CIVIL AND ARCHITECTURAL PLANS FOR EXACT POLES LOCATION.
3. REFER TO E1.0 AND E1.1 FOR SINGLE LINE DIAGRAM & FEEDER FEEDER SCHEDULE.
4. REFER TO DETAIL 1 & 2, SHEET E1.2 FOR TRENCHING DETAILS.
5. COMPLIANCE WITH CALGREEN CODE SECTION 5.106.8 - LIGHT POLLUTION REDUCTION
   - TRACK LIGHTING (F1): N/A - PER SECTION 5.106.8 LIGHT POLLUTION REDUCTION EXCEPTION - 1.
   - PATHWAY LIGHTING (F2): N/A - PER SECTION 5.106.8 LIGHT POLLUTION REDUCTION EXCEPTION - 5.
   - SPORTS FIELD LIGHTING: N/A - PER SECTION 5.106.8 LIGHT POLLUTION REDUCTION EXCEPTION - 1.

KEYED DESIGN NOTES:

(1) EXACT POLE LOCATION SHALL BE COORDINATED WITH ARCHITECT.

(2) LOW LEVEL LIGHTS WILL BE MOUNTED ON TO THE SPORTS FIELD LIGHT POLES IN THE ADD ALTERNATE BID - 2. MAST ARM ADAPTORS SHALL BE SUPPLIED WITH THE LOW-LEVEL LIGHTS TO ENABLE MOUNTING ON THE SPORTS FIELD LIGHT POLES UNDER ADD ALTERNATE BID 2. REFER TO MUSCO PLANS SHEETS MS2 & MS4 AND DETAILS A/MD3 & P/MD3. LOCATIONS TO BE VERIFIED IN THE FIELD.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

PEARCE
1222 VINE ST.
SUITE 301
PASO ROBLES, CA 93446
pearce-services.com

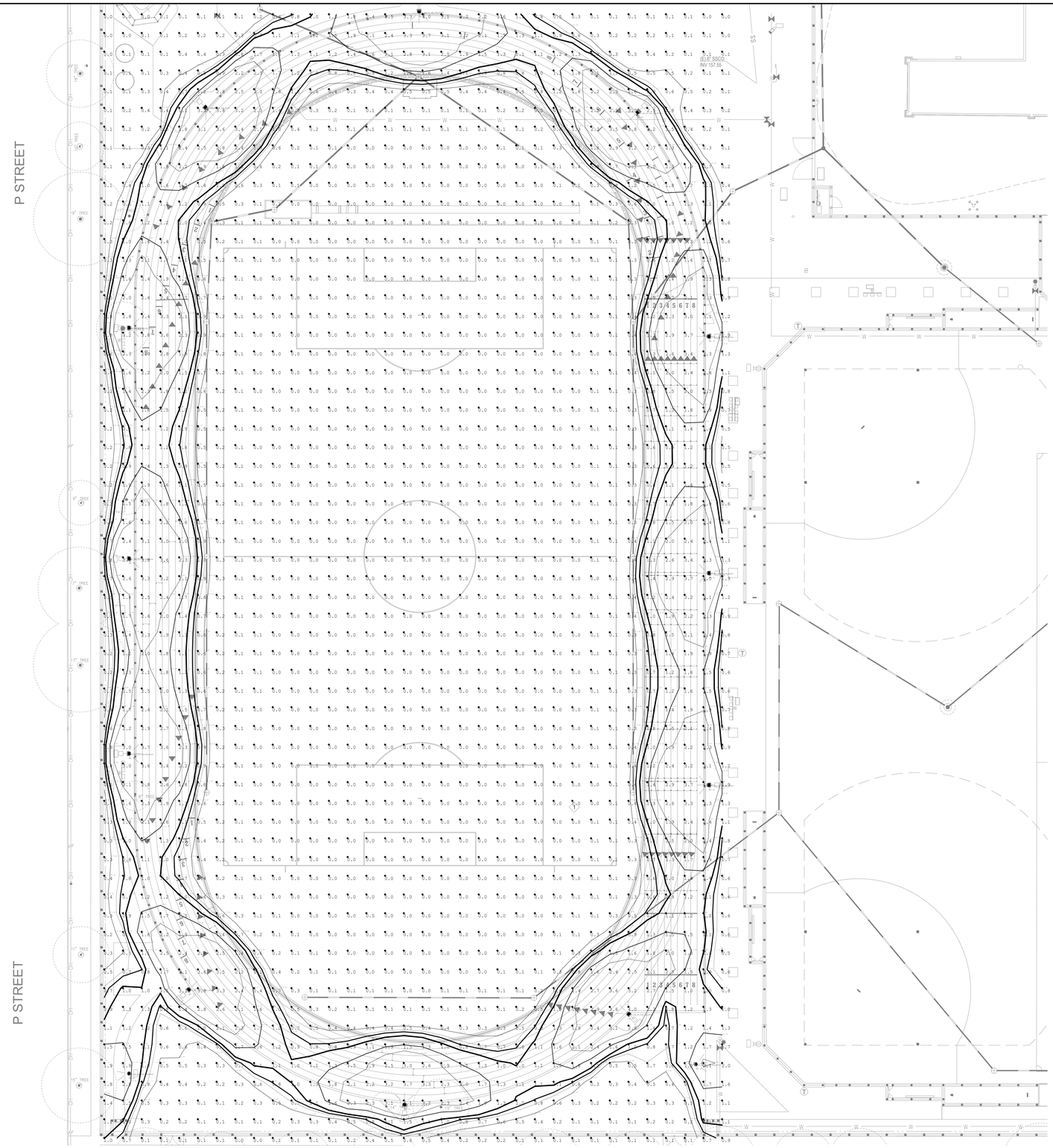
REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. KNEPP
Lic. No. 13459
Exp. 06/30/2027
Electrical
STATE OF CALIFORNIA

ELECTRICAL SITE PLAN
ADD ALTERNATE BIDS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: AY
CHECKED BY: JG
SHEET NO.
E2.2

100% CONSTRUCTION DOCUMETNS



1 LIGHTING PHOTOMETRIC PLAN - LOW LEVEL LIGHTING
SCALE: NTS

Luminaire Schedule											
Symbol	Qty	Label	Arrangement	Description	Tag	LLF	Luminaire Lumens	Luminaire Watts	Total Watts	Mounting Height	IES Class
	12	DSX0_LED_P5_40K_T2M_MVOLT	Single	DSX0 LED P5 40K T2M MVOLT	F1	1.000	11655	89	1068	20	Type III
	2	DSX0_LED_P2_40K_T2M_MVOLT	Single	DSX0 LED P2 40K T2M MVOLT	F2	1.000	5994	49	98	20	Type III

Calculation Summary						
Label	CalcType	Avg	Max	Min	DF %Over	DF Basis
CalcPts_1	Illuminance	0.66	4.1	0.0	N.A.	N.A.

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tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

PEARCE
1222 VINE ST.
SUITE 301
PASO ROBLES,
CA 93446
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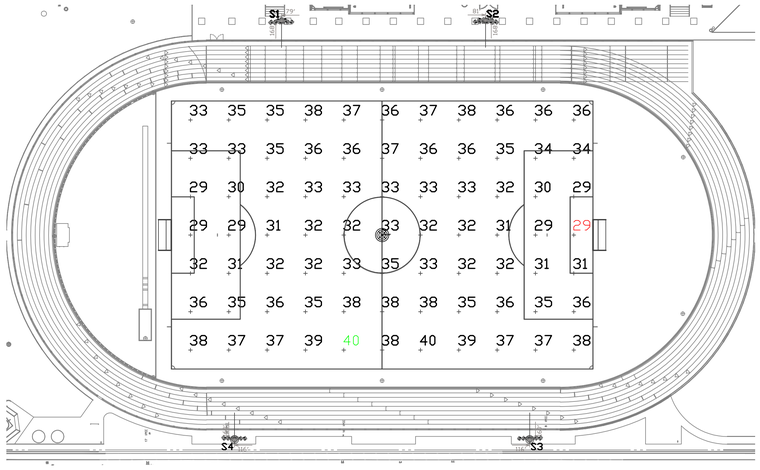
REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. KNEPP
Lic. No. 19459
Exp. 06/30/2027
ELECTRICAL
STATE OF CALIFORNIA

LIGHTING PHOTOMETRIC PLAN
LOW LEVEL LIGHTING - BASE BID

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: AY
CHECKED BY: JG
SHEET NO.
E3.1

100% CONSTRUCTION DOCUMETNS



Grid Summary

Name:	**Soccer**
Size:	330' x 210'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

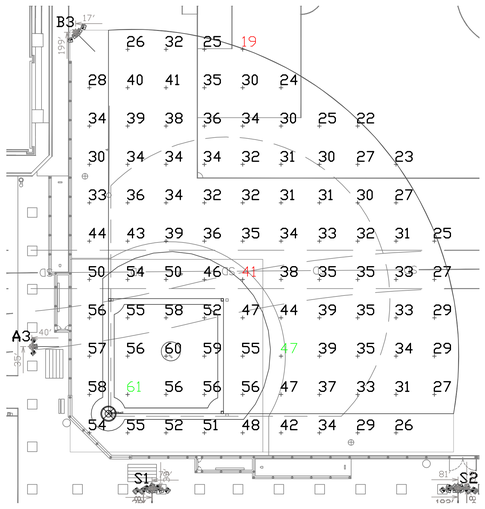
Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Guaranteed Average:	**30**
Scan Average:	34.40
Maximum:	40
Minimum:	29
Avg/Min:	1.20
Guaranteed Max/Min:	**2.5**
Max/Min:	1.40
UG (adjacent pts):	1.17
CU:	0.54
No. of Points:	77
FIXTURE INFORMATION	
Applied Circuits:	A,B
No. of Fixtures:	**24**
Total Load:	33.84 kW

1 LIGHTING PHOTOMETRIC PLAN - SOCCER FIELD

SCALE: NTS



Grid Summary

Name:	**Softball**
Size:	200'/200'/180' - basepath 60'
Spacing:	20.0' x 20.0'
Height:	3.0' above grade

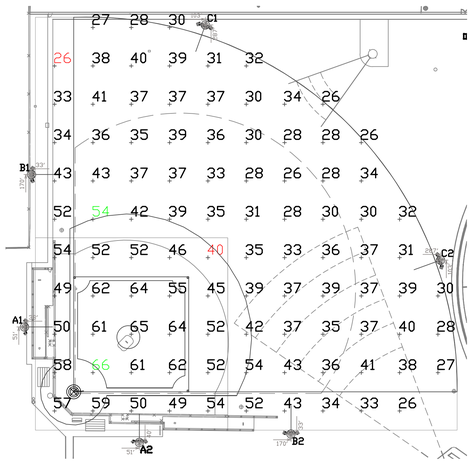
Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	53.73	32.97
Maximum:	61	47
Minimum:	41	19
Avg/Min:	1.30	1.74
Guaranteed Max/Min:	**2**	**2.5**
Max/Min:	1.46	2.49
UG (adjacent pts):	1.18	1.56
CU:	0.62	
No. of Points:	25	70
FIXTURE INFORMATION		
Applied Circuits:	D	
No. of Fixtures:	**18**	
Total Load:	19.44 kW	

2 LIGHTING PHOTOMETRIC PLAN - SOFTBALL FIELD

SCALE: NTS



Grid Summary

Name:	**Baseball**
Size:	293'/300'/300' - basepath 90'
Spacing:	30.0' x 30.0'
Height:	3.0' above grade

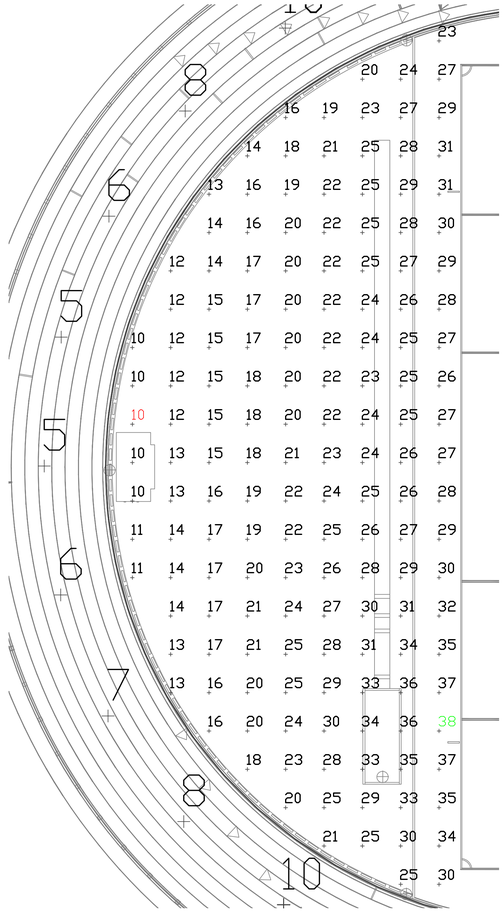
Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES

	Infield	Outfield
Guaranteed Average:	**50**	**30**
Scan Average:	55.17	35.34
Maximum:	66	54
Minimum:	40	26
Avg/Min:	1.38	1.38
Guaranteed Max/Min:	**2**	**2.5**
Max/Min:	1.64	2.10
UG (adjacent pts):	1.28	1.50
CU:	0.76	
No. of Points:	25	73
FIXTURE INFORMATION		
Applied Circuits:	C	
No. of Fixtures:	**32**	
Total Load:	36.52 kW	

3 LIGHTING PHOTOMETRIC PLAN - BASEBALL FIELD

SCALE: NTS



Grid Summary

Name:	**Jumping Events**
Size:	Irregular
Spacing:	10.0' x 10.0'
Height:	3.0' above grade

Illumination Summary

MAINTAINED HORIZONTAL FOOTCANDLES

	Entire Grid
Scan Average:	**22.67**
Maximum:	38
Minimum:	10
Avg/Min:	2.33
Max/Min:	**3.95**
UG (adjacent pts):	1.30
CU:	0.08
No. of Points:	156
FIXTURE INFORMATION	
Applied Circuits:	A,B
No. of Fixtures:	**24**
Total Load:	33.84 kW

4 LIGHTING PHOTOMETRIC PLAN - LONG JUMP/ HIGH JUMP

SCALE: NTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

PEARCE
1222 VINE ST.
SUITE 301
PASO ROBLES,
CA 93446
pearce-services.com

LIGHTING PHOTOMETRIC PLAN
SPORTS FIELD LIGHTING - ADD
ALTERNATE BID #2

100% CONSTRUCTION DOCUMETNS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: AY
CHECKED BY: JG
SHEET NO.
E3.2

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.	
Project Name: TENAYA MS	**Report Page:** (Page 1 of 7)
Project Address: 760 W 8TH STREET, MERCED, CA 95341	**Date Prepared:** 2025-05-09T11:22:49-04:00

A. GENERAL INFORMATION

01	Project Location (city)	MERCED		
02	Climate Zone	12	04	Total Illuminated Hardscape Area (ft²) 52266
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):			
☐	LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐	LZ-1: Low - Rural Areas	☒ LZ-3: Moderately High - Urban Areas		
05	Occupancy Types within Project			
● All Other Occupancies				

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02		
☒	New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6	
☐	Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No	
03		04	05
% of Existing Luminaires Being Altered[1]		Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%			

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: if any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv												Compliance Results			
01		02		03		04		05		06		07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)	OR	Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
1,746.38	+	---	+	---	+	---	+	---	OR	---	=	1,746.38	≥	98	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires [4]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)[4]	Field Inspector	
										Pass	Fail
F1	LITHONIA LIGHTING 'DSXO-P5'	☐ Linear	89	Mfr. Spec	12	New	☒	---	NA: Exception in Section 140.7(a)	☐	☐
F2	LITHONIA LIGHTING 'DSXO-P2'	☐ Linear	49	Mfr. Spec	2	New	☐	98	NA: < 6200 lumens	☐	☐
							Total Design Watts:	98			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
Track Lighting: "F1"	Photocontrol	Provided	NA: Athletic Fields/Playgrounds Lighting	☐	☐
Pathway Lighting: "F2"	Photocontrol	Provided	Provided	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

	01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)				
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Track Lighting	47272	0.021	992.71	1540	0.2	308	1300.71
Pathway Lighting	4994	0.021	104.87	454	0.2	90.8	195.67
					Initial Wattage Allowance for Entire Site (Watts):		250
					Instances of Initial Wattage Allowance (LZ 0 only)[1]		
					Total General Hardscape Allowance (Watts):		1746.38

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	Track Lighting: "F1"; Pathway Lighting: "F2"

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	NRCC-LTO-E
Project Name: TENAYA MS	**Report Page:** (Page 7 of 7)
Project Address: 760 W 8TH STREET, MERCED, CA 95341	**Date Prepared:** 2025-05-09T11:22:49-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jeffrey Ansley	Documentation Author Signature: Jeffrey H. Ansley
Company: Pearce Services	Signature Date: 05/09/2025
Address: 1222 VINE ST. SUITE 301	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: PASO ROBLES, CA 93446	Phone: 510-847-9041

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Jeffrey Ansley	Responsible Designer Signature: Jeffrey H. Ansley
Company: Pearce Services	Date Signed: 05/09/2025
Address: 1222 VINE ST. SUITE 301	License: 19459
City/State/Zip: PASO ROBLES, CA 93446	Phone: 510-847-9041

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

PEARCE
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REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ANSLEY
Lic. No. 19459
Exp. 06/30/2027
ELECTRICAL
STATE OF CALIFORNIA

T24 COMPLIANCE FORM
LOW LEVEL LIGHTING - BASE BID

100% CONSTRUCTION DOCUMETNS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: AY
CHECKED BY: JG
SHEET NO.
BC1

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
This document is used to demonstrate compliance with requirements in 110.9, 130.0, 130.2, 140.7, and 141.0(b)2L for outdoor lighting scopes using the prescriptive path for nonresidential and hotel/motel occupancies. It is also used to document compliance with requirements in 160.5, 170.2(e)6, 180.1(a) and 180.2(b)4Bv for outdoor lighting scopes using the prescriptive path for multifamily and mixed-use occupancies. Multifamily includes dormitory and senior living facilities.		
Project Name:	Tenaya MS - Sports Field Lighting	**Report Page:** (Page 1 of 9)
Project Address:	760 W 8TH STREET, MERCED, CA 95341	**Date Prepared:** 2025-06-26T04:48:16-04:00

A. GENERAL INFORMATION

01	Project Location (city)	Merced	04	Total Illuminated Hardscape Area (ft²)	206380
02	Climate Zone	12			
03	Outdoor Lighting Zone per Title 24 Part 1 10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☐ LZ-2: Moderate - Urban Clusters	☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval		
☐	LZ-1: Low - Rural Areas	☒ LZ-3: Moderately High - Urban Areas			
05	Occupancy Types within Project				
● All Other Occupancies					

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv for alterations.

My Project Consists of:

01	02
☒ New Lighting System	Must Comply with Allowances from 140.7 / 170.2(e)6
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)? ○ Yes ○ No

03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Tenaya MS - Sports Field Lighting	**Report Page:** (Page 2 of 9)
		Date Prepared: 2025-06-26T04:48:16-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through N. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) 140.7 / 170.2(e)6 or 141.0(b)2L / 180.2(b)4Bv | **Compliance Results**

01		02		03		04		05	OR	06	=	07		08	09
General Hardscape Allowance 140.7(d)1 / 170.2(e)6 (See Table I)	+	Per Application 140.7(d)2 / 170.2(e)6 (See Table J)	+	Sales Frontage 140.7(d)2 (See Table K)	+	Ornamental 140.7(d)2 / 170.2(e)6 (See Table L)	+	Per Specific Area 140.7(d)2 / 170.2(e)6 (See Table M)		Existing Power Allowance 141.0(b)2L / 180.2(b)4Bv (See Table N)		**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
5,184.36	+	---	+	---	+	---	+	---	OR	---	=	5,184.36	≥	0	COMPLIES
Shielding Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

Generated Date/Time: Documentation Software: Energy Code Ace
CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance | Report Version: 2022.0.000 | Schema Version: rev 20220101 | Compliance ID: 307057-0625-0002 | Report Generated: 2025-06-26 01:48:19

STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Tenaya MS - Sports Field Lighting	**Report Page:** (Page 3 of 9)
		Date Prepared: 2025-06-26T04:48:16-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1, 2]	How is Wattage determined	Total Number Luminaires[2]	Luminaire Status[3]	Excluded per 140.7(a) / 170.2(e)6A	Design Watts	Cutoff Req. > 6,200 initial lumen output 130.2(b) / 160.5(c)[4]	Field Inspector	
										Pass	Fail
TLC-BT-575	SPORTS FIELD LIGHTING	☐ Linear	575	Mfr. Spec	12	New	☒	---	NA: Exception in Section 140.7(a)	☐	☐
TLC-LED-900	SPORTS FIELD LIGHTING	☐ Linear	880	Mfr. Spec	4	New	☒	---	NA: Exception in Section 140.7(a)	☐	☐
TLC-LED-1200	SPORTS FIELD LIGHTING	☐ Linear	1170	Mfr. Spec	10	New	☒	---	NA: Exception in Section 140.7(a)	☐	☐
TLC-LED-1500	SPORTS FIELD LIGHTING	☐ Linear	1410	Mfr. Spec	48	New	☒	---	NA: Exception in Section 140.7(a)	☐	☐
							Total Design Watts:	0			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to 130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per 130.0(c) / 160.5(b)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*

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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Tenaya MS - Sports Field Lighting	**Report Page:** (Page 4 of 9)
		Date Prepared: 2025-06-26T04:48:16-04:00

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with 140.7 / 170.2(e)6 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per 141.0(b)2L only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included). Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

Designed Wattage:

01	02	03	04	05	06	07	08	09	10

[4] *Compliance with mandatory shielding requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by 130.2(b)/ 160.5(c)*

G. SHIELDING REQUIREMENTS (BUG)

This section does not apply to this project.

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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Tenaya MS - Sports Field Lighting	**Report Page:** (Page 5 of 9)
		Date Prepared: 2025-06-26T04:48:16-04:00

H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
Outdoor lighting for nonresidential buildings, parking garages and common service areas in multifamily buildings must be documented separately from outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit

Mandatory Controls for Nonresidential Occupancies, Parking Garages & Common Areas in Multifamily Buildings

01	02	03	04	05	
Area Description	Shut-Off 130.2(c)1 / 160.5(c)	Auto-Schedule 130.2(c)2 / 160.5(c)	Motion Sensor 130.2(c)3 / 160.5(c)	Field Inspector	
				Pass	Fail
SOCCER FIELD + LONG/HIGH JUMP: "TLC-BT-575"	Other Control	Provided	NA: >=24 ft	☐	☐
SOCCER FIELD + LONG/HIGH JUMP: "TLC-LED-900"	Other Control	Provided	NA: >=24 ft	☐	☐
SOCCER FIELD + LONG/HIGH JUMP: "TLC-LED-1200"	Other Control	Provided	NA: >=24 ft	☐	☐
SOCCER FIELD + LONG/HIGH JUMP: "TLC-LED-1500"	Other Control	Provided	NA: >=24 ft	☐	☐
BASEBALL FIELD: "TLC-BT-575"	Other Control	Provided	NA: >=24 ft	☐	☐
BASEBALL FIELD: "TLC-LED-1200"	Other Control	Provided	NA: >=24 ft	☐	☐
BASEBALL FIELD: "TLC-LED-1500"	Other Control	Provided	NA: >=24 ft	☐	☐
SOFTBALL FIELD: "TLC-BT-575"	Other Control	Provided	NA: >=24 ft	☐	☐

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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Tenaya MS - Sports Field Lighting	**Report Page:** (Page 6 of 9)
		Date Prepared: 2025-06-26T04:48:16-04:00

H. OUTDOOR LIGHTING CONTROLS

SOFTBALL FIELD: "TLC-LED-900"	Other Control	Provided	NA: >=24 ft	☐	☐
SOFTBALL FIELD: "TLC-LED-1200"	Other Control	Provided	NA: >=24 ft	☐	☐
SOFTBALL FIELD: "TLC-LED-1500"	Other Control	Provided	NA: >=24 ft	☐	☐

[1] *FOOTNOTE: Text has been abbreviated, please refer to Table 160.5-A to confirm compliance with the specific light source technologies listed.*
[2] *Authority having jurisdiction may ask for cutsheets or other documentation to confirm compliance of light source.*
[3] *Recessed luminaires marked for use in fire-rated installations, and recessed luminaires installed in non-insulated ceilings are excepted from ii and iii.*

I. LIGHTING POWER ALLOWANCE (per 140.7 / 170.2(e))

This table includes areas using allowance calculations per 140.7 / 170.2(e). General Hardscape Allowance is per Table 140.7-A/Table 170.2-R while "Use it or lose it" Allowances are per Table 140.7-B /Table 170.2-S. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
Outdoor lighting attached to multifamily buildings and controlled from the inside of a dwelling unit are included in Table H. and are not included here. All other multifamily outdoor lighting is included here.

01				
	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
☒ General Hardscape Allowance Table I (below)	☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A for Nonresidential & Hotel/Motel

02	03	04	05	06	07	08	09
Area Description	Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)			Total General AWA + LWA (Watts)
	Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
SOCCER FIELD + LONG/HIGH JUMP	89269	0.021	1874.65	1186	0.2	237.2	2111.85
BASEBALL FIELD	75100	0.021	1577.1	1031	0.2	206.2	1783.3
SOFTBALL FIELD	42010	0.021	882.21	785	0.2	157	1039.21
Initial Wattage Allowance for Entire Site (Watts):							250
Instances of Initial Wattage Allowance (LZ 0 only)[1]							
Total General Hardscape Allowance (Watts):							5184.36

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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Tenaya MS - Sports Field Lighting	**Report Page:** (Page 7 of 9)
		Date Prepared: 2025-06-26T04:48:16-04:00

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-LTO-E - Must be submitted for all buildings

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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Tenaya MS - Sports Field Lighting	**Report Page:** (Page 8 of 9)
		Date Prepared: 2025-06-26T04:48:16-04:00

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection has been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	SOCCER FIELD + LONG/HIGH JUMP: "TLC-BT-575"; SOCCER FIELD + LONG/HIGH JUMP: "TLC-LED-900"; SOCCER FIELD + LONG/HIGH JUMP: "TLC-LED-1200"; SOCCER FIELD + LONG/HIGH JUMP: "TLC-LED-1500"; BASEBALL FIELD: "TLC-BT-575"; BASEBALL FIELD: "TLC-LED-1200"; BASEBALL FIELD: "TLC-LED-1500"; SOFTBALL FIELD: "TLC-BT-575"; SOFTBALL FIELD: "TLC-LED-900"; SOFTBALL FIELD: "TLC-LED-1200"; SOFTBALL FIELD: "TLC-LED-1500"

Generated Date/Time: Documentation Software: Energy Code Ace
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STATE OF CALIFORNIA
Outdoor Lighting
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name:	Tenaya MS - Sports Field Lighting	**Report Page:** (Page 9 of 9)
Project Address:	760 W 8TH STREET, MERCED, CA 95341	**Date Prepared:** 2025-06-26T04:48:16-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jeffrey Ansley	Documentation Author Signature: Jeffrey S. Ansley
Company: Pearce Services	Signature Date: 05/09/2025
Address: 1222 VINE ST. SUITE 301	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: PASO ROBLES, CA 93446	Phone: 510-847-9041

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Jeffrey Ansley	Responsible Designer Signature: Jeffrey S. Ansley
Company: Pearce Services	Date Signed: 05/09/2025
Address: 1222 VINE ST. SUITE 301	License: 19459
City/State/Zip: PASO ROBLES, CA 93446	Phone: 510-847-9041

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

PEARCE
1222 VINE ST. SUITE 301
PASO ROBLES, CA 93446
pearce-services.com

REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ANSLEY
Lic. No. 19459
Exp. 06/30/2027
ELECTRICAL
STATE OF CALIFORNIA

T24 COMPLIANCE FORM
SPORTS FIELD LIGHTING
- ADD ALTERNATE BID #2

100% CONSTRUCTION DOCUMETNS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: AY
CHECKED BY: JG
SHEET NO.
BC2

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ELC-E**
This document is used to demonstrate compliance with mandatory requirements in 130.5, for electrical systems in newly constructed nonresidential and hotel/motel occupancies and 160.6 and 160.9 for electrical systems in newly constructed multifamily occupancies. Additions and alterations to electrical service systems in nonresidential and hotel/motel occupancies will also use this document to demonstrate compliance per 141.0(a) or 141.0(b)2P for alterations. For multifamily addition or alterations compliance will be documented per 180.1(a) or 180.2 (b)4Bvii	
Project Name: TENAYA MIDDLE SCHOOL	**Report Page:** **(Page 1 of 4)**
Project Address: 760 W 8TH STREET, MERCED, CA 95341	**Date Prepared:** 2025-07-24T14:05:21-04:00

A. GENERAL INFORMATION

01	Project Location (city)	MERCED	02	Climate Zone	12
			03	Occupancy Types Within Project:	School or Classroom

B. PROJECT SCOPE

This table includes electrical systems that are within the scope of the permit application.

01	02	03	04	05	06	07
Electrical Service Designation/ Description	Scope of Work [1]	Rating[2] (kVA)	Utility Provided Metering System Exception to 130.5(a)/160.6(a)[3]	System subject to CA Elec Code Article 517 Exception to 130.5(a)and (b)	Demand Response Controls	Provides power to dwelling units/common living areas only in multifamily occupancy
Sheet E2.1	Add/Alt to feeders and branch circuits only	---	☐	☐	Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections 120.2/160.3, 130.1/160.5, and 130.3/160.5, and mechanical, indoor lighting, and sign lighting Certificate of Compliance documents will indicate when demand response controls are required.	☐

[1] FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c)/160.6(c), no other requirements from 130.5/160.6 are required.
[2] If common use areas in a multifamily are submetered, rating is for submeter size serving common use areas.
[3] Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ELC-E**
Project Name: TENAYA MIDDLE SCHOOL	**Report Page:** **(Page 2 of 4)**
	Date Prepared: 2025-07-24T14:05:21-04:00

C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through J. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

01		02		03		04	05	06
Service Electrical Metering 130.5(a)/ 160.6(a) (See Table F)	AND	Separation for Monitoring 130.5(b)/ 160.6(b) (See Table G)	AND	Voltage Drop 130.5(c)/ 160.6(c) (See Table H)	AND	Controlled Receptacles 130.5(d)/ 160.6(d) (See Table I)	Electric Ready 160.9 (See Table J)	**Compliance Results**
	AND		AND	Yes	AND			COMPLIES

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

H. VOLTAGE DROP

This table includes entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with 130.5(c)/ 160.6(c). For alterations, only the altered circuits must demonstrate compliance per 141.0(b)2Pii/ 180.2(b)4Bviic.

01	02				03	04	05	
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method				Location of Voltage Drop Calculations[1]	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector	
							Pass	Fail
Sheet E2.1	☒	Voltage drop less than 5%	☐	Permitted by CA Elec Code (Exception to 130.5(c))*	In construction documents	Sheet E1.0	☐	☐

** NOTES: If "Permitted by CA Elec Code *" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.*
[1] FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time:
Report Version: 2022.0.000
Schema Version: rev 20220101
Documentation Software: Energy Code Ace
Compliance ID: 313824-0725-0004
Report Generated: 2025-07-24 11:05:25

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ELC-E**
Project Name: TENAYA MIDDLE SCHOOL	**Report Page:** **(Page 3 of 4)**
	Date Prepared: 2025-07-24T14:05:21-04:00

K. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online

Form/Title
NRCI-ELC-E - Must be submitted for all buildings

L. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

There are no NRCA forms required for this project.

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time:
Report Version: 2022.0.000
Schema Version: rev 20220101
Documentation Software: Energy Code Ace
Compliance ID: 313824-0725-0004
Report Generated: 2025-07-24 11:05:25

STATE OF CALIFORNIA
Electrical Power Distribution
CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE	**NRCC-ELC-E**
Project Name: TENAYA MIDDLE SCHOOL	**Report Page:** **(Page 4 of 4)**
Project Address: 760 W 8TH STREET, MERCED, CA 95341	**Date Prepared:** 2025-07-24T14:05:21-04:00

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Jeffrey Ansley	Documentation Author Signature:
Company: Pearce Services	Signature Date: 07/24/2025
Address: 1222 VINE ST. SUITE 301	CEA/ HERS Certification Identification (if applicable):
City/State/Zip: PASO ROBLES, CA 93446	Phone: 510-847-9041

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Jeffrey Ansley	Responsible Designer Signature:
Company: Pearce Services	Date Signed: 07/24/2025
Address: 1222 VINE ST. SUITE 301	License: 19459
City/State/Zip: PASO ROBLES, CA 93446	Phone: 510-847-9041

CA Building Energy Efficiency Standards - 2022 Nonresidential Compliance
Generated Date/Time:
Report Version: 2022.0.000
Schema Version: rev 20220101
Documentation Software: Energy Code Ace
Compliance ID: 313824-0725-0004
Report Generated: 2025-07-24 11:05:25

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

PEARCE
1222 VINE ST.
SUITE 301
PASO ROBLES,
CA 93446
pearce-services.com

REGISTERED PROFESSIONAL ENGINEER
JEFFREY H. ANSLEY
Lic. No. 19459
Exp. 06/30/2027
Electrical
STATE OF CALIFORNIA

T24 COMPLIANCE FORM
ELECTRICAL POWER
DISTRIBUTION

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01/19/2026
SCALE: SEE PLAN
DRAWN BY: AY
CHECKED BY: JG
SHEET NO.
BC3

100% CONSTRUCTION DOCUMETNS

AREA 1

AREA 2

AREA 2

AREA 4

AREA 2

AREA 3

P STREET

9 T1.02 SHOT PUT

11 T1.02 SHOT PUT CAGE

EDGEBAND TYPE 1 4 T1.02

DISCUS CAGE AND RING 10 T1.02

HIGH JUMP PAD LOCATION, BY OWNER

ACO DRAIN CATCH BASIN 6 T1.02

PAINTED TAKE OFF BOARDS, TYP.

24'

19'

24' I/I

25' O/O

15'

3'

10' O/O

9.5' I/I

3'

R119.412' RADIUS TO TRACK SIDE OF INSIDE CURB

ACO DRAIN CATCH BASIN 6 T1.02

LONG JUMP PIT 7 T1.02

TRACK CURB 3 T1.02

6 T1.02 ACO DRAIN CATCH BASIN

INSIDE TRACK CURB 3 T1.02

R120.734' RADIUS TO MEASURE LINE

3 T1.02 INSIDE TRACK CURB

8 T1.02 SS COMBOX

2 T1.02 RUNNING TRACK CROSS SECTION

B09 UTILITY BOX SET FLUSH IN CONCRETE PAVING

OWNER TO CONFIRM FINAL LOCATION IN FIELD WITH CONTRACTOR

275.686' DISTANCE BETWEEN RADIUS POINTS

32.17'

MATERIALS NOTES

1. THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ELEMENTS INCLUDING UTILITY LOCATIONS AND REQUIRED SLEEVING PRIOR TO INSTALLATION. VERIFY CRITICAL DIMENSIONS, REFERENCE POINT LOCATIONS AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. TEMPORARY BENCHMARKS OR REFERENCE POINTS SHALL BE SET BY THE CONTRACTOR AS NECESSARY. NOTIFY THE OWNERS REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCY ARISE AND REDIRECT WORK TO AVOID DELAYS.
2. THE INTERFACE OF ALL PROPOSED IMPROVEMENTS TO EXISTING SITE SHALL CONFORM AND BE SMOOTH AND UNIFORM.
3. ALL REINFORCING AND FORMS SHALL BE SECURED IN PLACE AND ACCEPTED BY OWNERS REPRESENTATIVE PRIOR TO PLACING ANY CONCRETE.
4. ALL DIMENSIONS SHALL BE VERIFIED IN FIELD AND CHALKED, STRING LINED OR FLAGGED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY MINOR ADJUSTMENTS MADE TO ACHIEVE OVERALL DESIGN LAYOUT SHALL BE ACCEPTED BY THE OWNRS REPRESENTATIVE PRIOR TO CONSTRUCTION.
5. VERIFY ALL SITE CONDITIONS, ELEVATIONS, AND DIMENSIONS SHOWN ON THE PLANS PRIOR TO COMMENCEMENT OF WORK. NOTIFY OWNER AND ENGINEER OF ANY DISCREPANCIES OR IRREGULAR CONDITIONS.
6. PRIOR TO THE COMMENCEMENT OF WORK, THE CONTRACTOR SHALL LOCATE THE PROPOSED CENTERLINES FOR CONTROL FOR THE NEW LAYOUT AND MARKINGS. CENTERLINE BOTH LONGITUDINALLY AND SIDE TO SIDE SHALL BE APPROVED BY OWNER AND ENGINEER PRIOR TO COMMENCEMENT OF WORK AND PRIOR TO INSTALLATION OF TURF.

MATERIALS LEGEND

ALL-WEATHER SURFACING AND ASPHALT PAVING	1 T1.02
LONG JUMP PIT SAND	7 T1.02
4'-0" CHAIN LINK FENCE PER LANDSCAPE PLANS	
ACO DRAIN	6 T1.02
2-4" EMPTY CONDUITS WITH PULL ROPE AND CAPS BETWEEN UTILITY BOXES	
STAINLESS STEEL COM BOX UTILITY BOX	8 T1.02
B09 CONCRETE CHRISTY BOX WITH B09-61-G LID	

TRUE NORTH

PROJECT NORTH

0 10' 20' 40'

KEY PLAN

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
REGISTERED LANDSCAPE ARCHITECT
No. 3199
Signature
Renewal Date 12/31/26
STATE OF CALIFORNIA

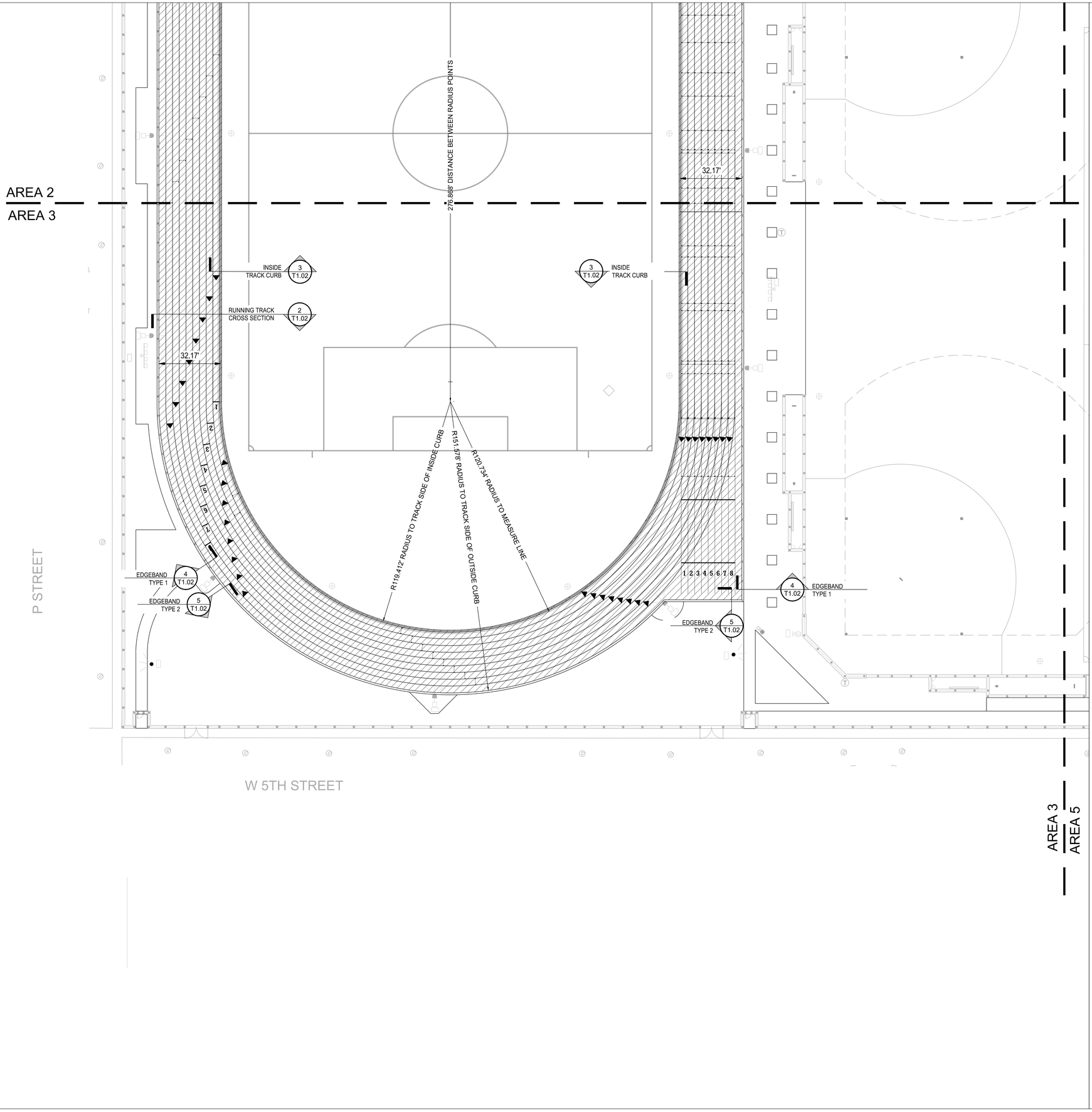
CONSULTANT

MATERIAL PLAN
REFERENCE SHEET
AREA 2

100% CONSTRUCTION DOCUMENTS

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01.19.2026
SCALE: SEE PLAN
DRAWN BY: CC
CHECKED BY: BT
SHEET NO.
T1.0



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REVISIONS

tanaka design group
3755 balboa street, suite 204
san francisco, CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
TIMOTHY A. TANAKA
No. 3199
Signature
Renewal Date 12/31/26
STATE OF CALIFORNIA

CONSULTANT

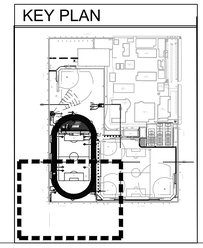
100% CONSTRUCTION DOCUMENTS

MATERIAL PLAN
REFERENCE SHEET
AREA 2

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

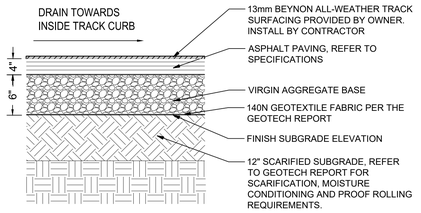
DATE: 01.19.2026
SCALE: SEE PLAN
DRAWN BY: CC
CHECKED BY: BT
SHEET NO.
T1.01

KEY PLAN



TRUE NORTH
PROJECT NORTH

0 10' 20' 40'



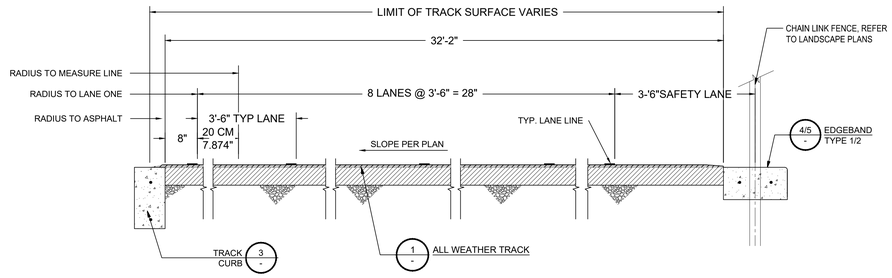
NOTE:
ASPHALT TO BE INSTALLED PER ASBA GUIDELINES
https://sportsbuilders.org/page/asphalt_guidelines

Provide Virgin Asphalt Surface Course Mix Design with:
1. Maximum particle size of ½" or less
2. No aggregates that rust or disintegrate (iron pyrite, steel slag, or impurities)
3. Minimum of 45% sand portion (minus No. 8 sieve) in surface course mixture
4. Target laboratory air voids = 3.5%
5. Ambient Temperature should be 50-degrees and rising prior to placing.
6. Eliminate cold joints
7. Specified minimum in-place density of mat and joints = 94.0% of the maximum theoretical specific gravity
   a. Maximum Air void content of 6%
9. Smoothness shall meet the requirements of no greater than ⅛ " in 10 ft. for surface course

1 NEW ASPHALT/ ALL-WEATHER TRACK SECTION
NTS

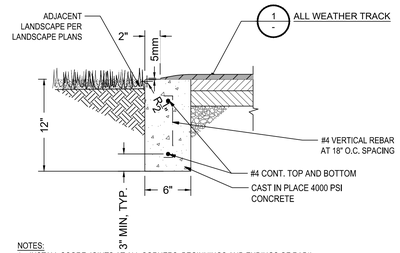
NOTES:
1. INSTALL SCORE JOINTS AT ALL CORNERS, BEGINNINGS AND ENDINGS OF RADII.
2. INSTALL SCORE JOINTS AT ALL FENCE POSTS.
3. INSTALL SCORE JOINTS AT 8' O.C. MAX.
4. CONCRETE EDGEBAND TO HAVE MEDIUM BROOM FINISH ON ALL EXPOSED SURFACES.

2 SECTION THROUGH TRACK
1" = 1'-0"



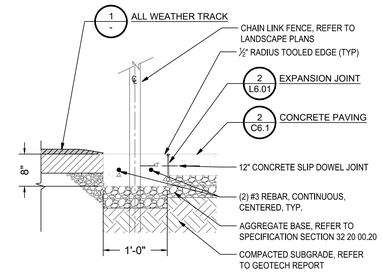
NOTE: INTERIOR AND EXTERIOR OF TRACK TO HAVE 1M SAFETY ZONE WITH NO VERTICAL IMPEDIMENTS

3 INSIDE TRACK CURB
NTS



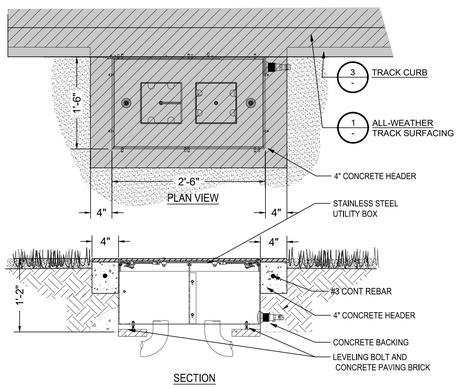
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4 EDGEBAND TYPE 1
NTS



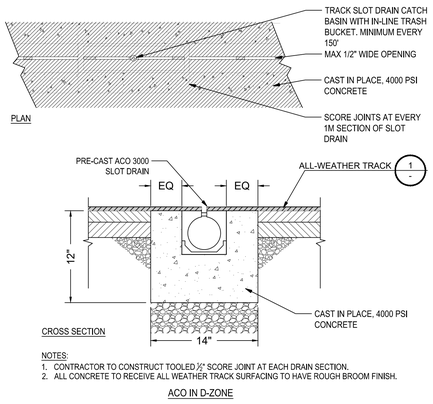
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2. INSTALL SCORE JOINTS AT ALL FENCE POSTS.
3. INSTALL SCORE JOINTS AT 8' O.C. MAX.
4. CONCRETE EDGEBAND TO HAVE MEDIUM BROOM FINISH ON ALL EXPOSED SURFACES.

5 EDGEBAND TYPE 2
NTS



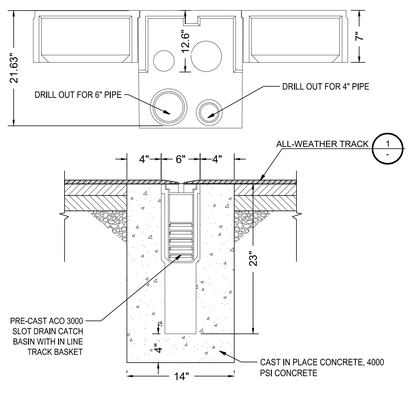
NOTE:
DRAWINGS DEPICTING SPORTSFIELD SPECIALTIES CBTS1830

6 ACO TRENCH DRAIN
NTS

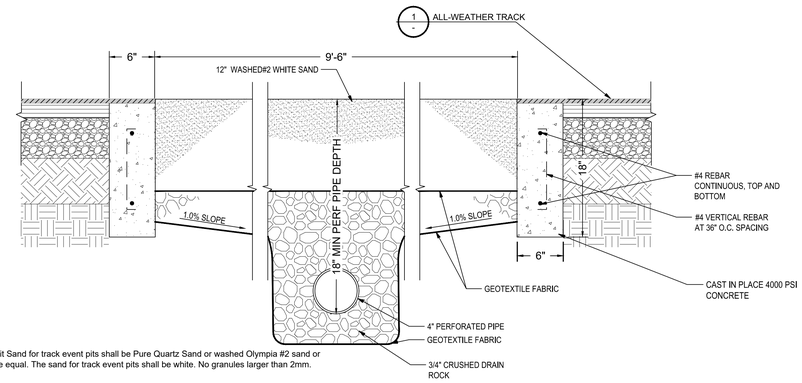


NOTES:
1. CONTRACTOR TO CONSTRUCT TOOLED ½" SCORE JOINT AT EACH DRAIN SECTION.
2. ALL CONCRETE TO RECEIVE ALL WEATHER TRACK SURFACING TO HAVE ROUGH BROOM FINISH.

ACO IN D-ZONE



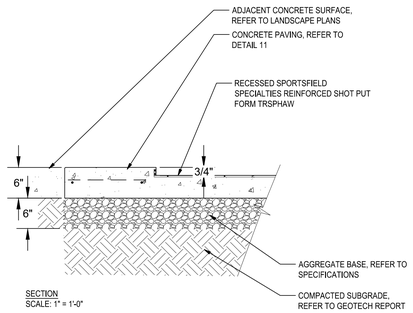
7 LONG JUMP PIT
NTS



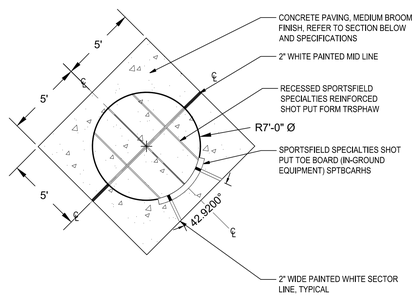
NOTE:
Landing Pit Sand for track event pits shall be Pure Quartz Sand or washed Olympia #2 sand or acceptable equal. The sand for track event pits shall be white. No granules larger than 2mm.

8 COMBOX- TRACK MATERIAL
NTS

9 SHOT PUT PAD
NTS

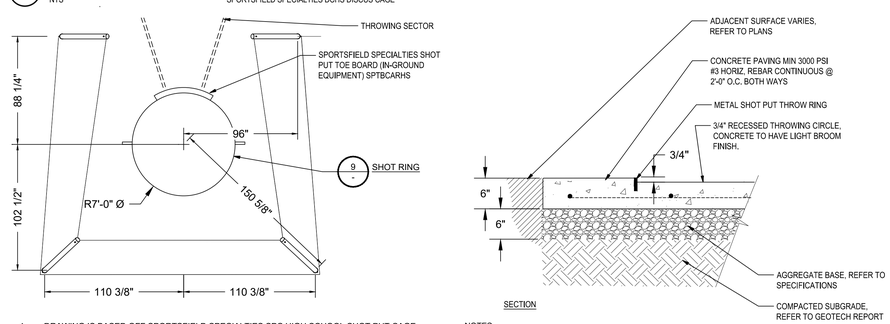


NOTES:
1. ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENT ARE FOR BIDDING ONLY. REFER TO MANUFACTURER SPECIFICATIONS AND SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.
2. RECESSED THROWING CIRCLE SHALL BE LIGHT BROOM FINISHED CONCRETE.
3. REFER TO LANDSCAPE PLANS FOR SLOT DRAIN DETAIL



10 DISCUS CAGE AND RING
NTS

SPORTSFIELD SPECIALTIES DCHS DISCUS CAGE



NOTES:
1. DRAWING IS BASED OFF SPORTSFIELD SPECIALTIES DCHS HIGH SCHOOL DISCUS CAGE
2. RECESSED DISCUS RING IS SPORTSFIELD SPECIALTIES THROW FORM TRDAW
3. REFER TO LANDSCAPE PLAN FOR CAGE FOUNDATION DESIGN
4. REFER TO LANDSCAPE PLAN FOR SLOT DRAIN DETAIL

NOTES:
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2. RECESSED THROWING CIRCLE SHALL BE LIGHT BROOM FINISHED CONCRETE.
3. EXTERIOR CONCRETE TO HAVE MEDIUM BROOM FINISH

10 DISCUS CAGE AND RING
NTS

SPORTSFIELD SPECIALTIES SPC HIGH SCHOOL SHOT PUT CAGE

1. DRAWING IS BASED OFF SPORTSFIELD SPECIALTIES SPC HIGH SCHOOL SHOT PUT CAGE
2. RECESSED SHOT PUT RING IS SPORTSFIELD SPECIALTIES THROW FORM TRSPHAW
3. REFER TO LANDSCAPE PLAN FOR CAGE FOUNDATION DESIGN
4. REFER TO LANDSCAPE PLAN FOR SLOT DRAIN DETAIL

NOTES:
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2. EXTERIOR CONCRETE TO HAVE MEDIUM BROOM FINISH

11 SHOT PUT CAGE
NTS

SPORTSFIELD SPECIALTIES SPC

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REVISIONS

tanaka
design group
3755 balboa street,
suite 204
san francisco,
CA 94121
t: (415) 863-7800
tanakadesign.com

LICENSED LANDSCAPE ARCHITECT
PAUL TANAKA
No. 3199
Signature
12/31/26
Renewal Date
STATE OF CALIFORNIA

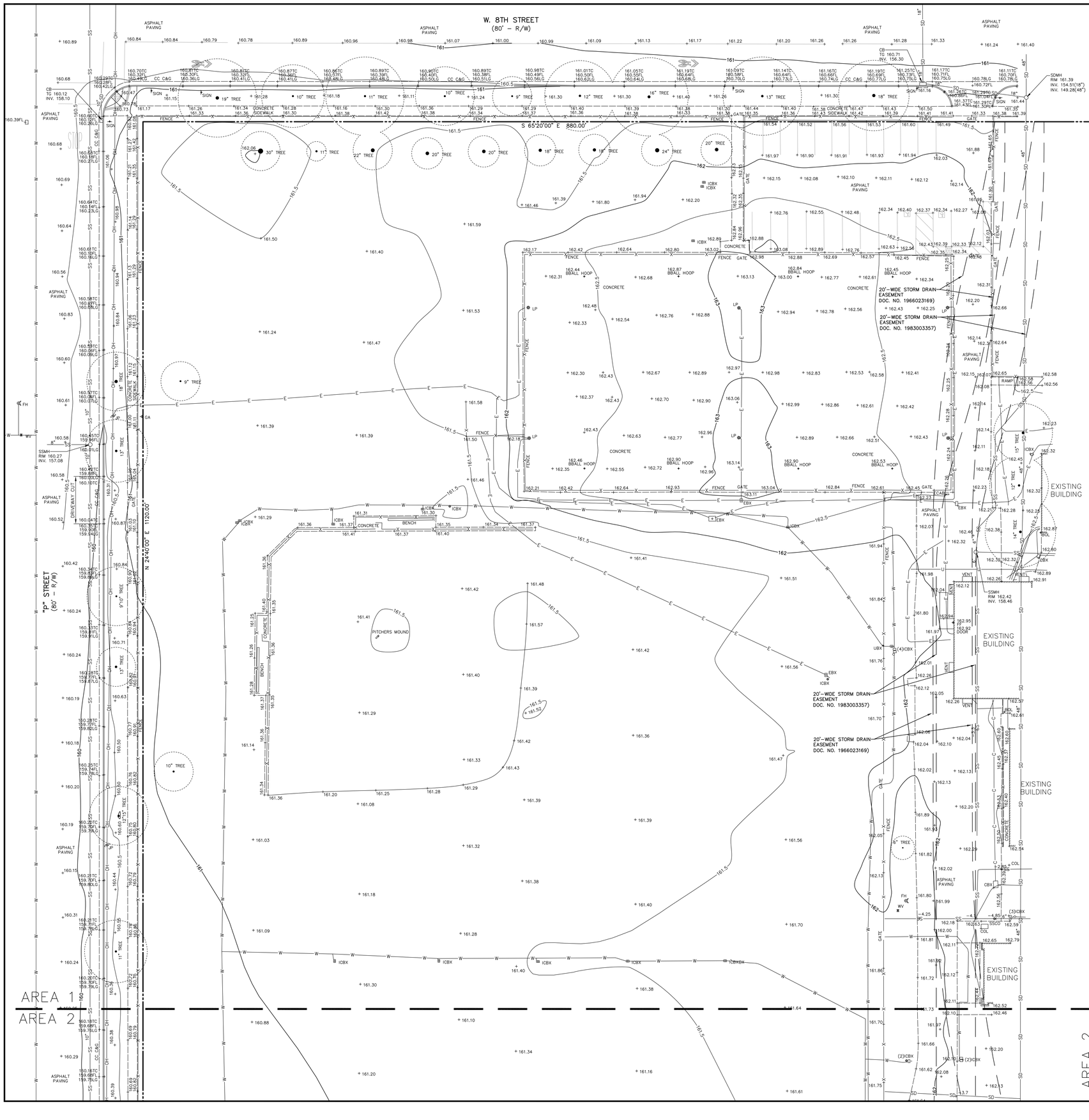
CONSULTANT

100% CONSTRUCTION DOCUMENTS

MATERIAL PLAN
REFERENCE SHEET
AREA 2

TENAYA MIDDLE SCHOOL
SPORTS FIELD RENOVATION
760 W 8TH STREET
MERCED, CA 95341

DATE: 01.19.2026
SCALE: SEE PLAN
DRAWN BY: CC
CHECKED BY: BT
SHEET NO.
T1.02



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

LEGEND

——— · ———	PROPERTY LINE
BFP	BACKFLOW PREVENTER
BOL	BOLLARD
CB	CATCH BASIN
CBX	COMMUNICATION BOX
CC	CONCRETE
CC C&G	CONCRETE CURB & GUTTER
COL	COLUMN
CONC.	CONCRETE
DF	DRINKING FOUNTAIN
EBX	ELECTRIC BOX
ECAB	ELECTRIC CABINET
EPANEL	ELECTRIC PANEL
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH FLOOR
FH	FIRE HYDRANT
FL	FLOWLINE
GA	GUY ANCHOR
GM	GAS METER
GP	GATEPOST
ICBX	IRRIGATION BOX
INV.	INVERT
IRR	IRRIGATION
JP	JOINT UTILITY POLE
LG	LIP OF GUTTER
LP	LIGHT POLE
MH	MANHOLE
SDCO	STORM DRAIN CLEANOUT
SDMH	STORM DRAIN MANHOLE
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
TC	TOP OF CURB
TG	TOP OF GRATE
THRESH	THRESHOLD
TRS	TRANSFORMER
TW	TOP OF WALL
UBX	UTILITY BOX
WBX	WATER BOX
WM	WATER METER
WSP	WALK SIGNAL POLE
WV	WATER VALVE
● 12" TREE	TREE W/ SIZE
X X	FENCE
C	COMMUNICATION LINE
E	ELECTRIC LINE
G	GAS LINE
SS	SANITARY SEWER LINE
SD	STORM DRAIN LINE
U	UNKNOWN LINE
W	WATER LINE

UTILITY NOTE:

THE UTILITIES EXISTING ON THE SURFACE AND SHOWN ON THIS DRAWING HAVE BEEN LOCATED BY FIELD SURVEY. ALL UNDERGROUND UTILITIES SHOWN ON THIS DRAWING ARE BASED ON PAINT MARKINGS FROM A UTILITY LOCATOR SERVICE. THE SURVEYOR/ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR THEIR COMPLETENESS, INDICATED LOCATION, OR SIZE. RECORD UTILITY LOCATION SHOULD BE CONFIRMED BY EXPOSING THE UTILITY.

EASEMENT NOTE:

EASEMENTS SHOWN ON THIS DRAWING ARE BASED ON A REVIEW OF A CONDITION OF TITLE GUARANTEE PREPARED BY OLD REPUBLIC NATIONAL TITLE INSURANCE COMPANY, ORDER NO. 25–00180–CN, DATED MARCH 6, 2025.

RIGHT–OF–WAYS FOR 6TH STREET, 7TH STREET, "O" STREET, AND VARIOUS ALLEYWAYS ARE NOT SHOWN. IT IS BELIEVED THESE RIGHTS–OF–WAYS HAVE BEEN VACATED OR ABANDONED. ADDITIONAL RESEARCH REGARDING THIS ISSUE IS CURRENTLY UNDERWAY.

FLOOD ZONE NOTE:

THE SUBJECT PROPERTY LIES ENTIRELY WITHIN FLOOD ZONE "AO", HAVING A BASE FLOOD DEPTH OF 1 FOOT BASED ON FLOOD INSURANCE RATE MAP 06047C0440G, DATED DECEMBER 2, 2008.

LOT AREA:

= 985,600 SQ. FT. ±
= 22.626 ACRES ±

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

DESCRIPTION	REV.

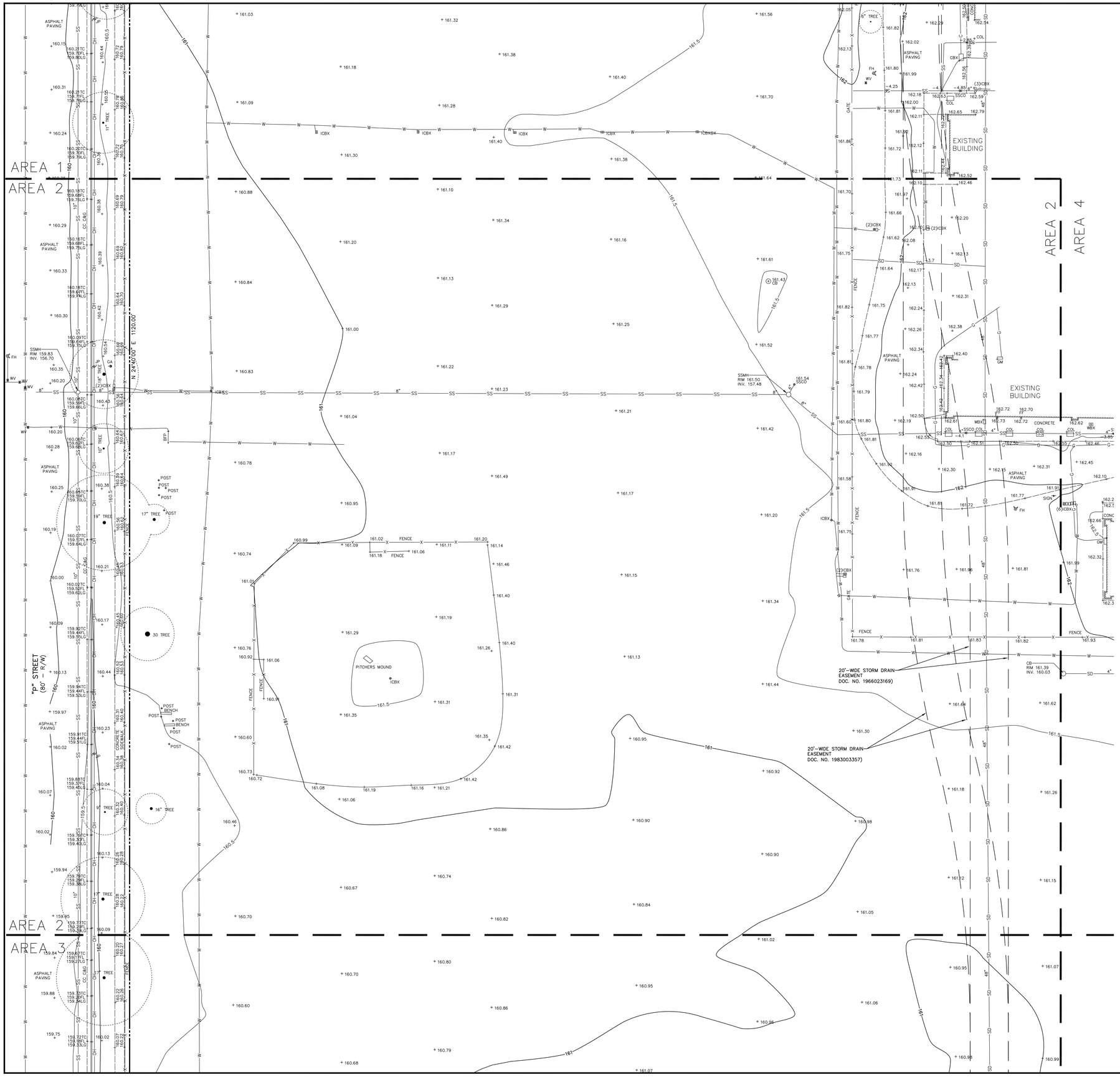
LICENSED LAND SURVEYOR
RICHARD J. DAINS
No. 8227
STATE OF CALIFORNIA

DAINS LAND SURVEYING
rdains@dainslandsurveying.net
(650) 743–0831

PREPARED FOR:
HOHBACH–LEWIN, INC.
MERCED CITY SCHOOL DISTRICT

TOPOGRAPHIC SURVEY PLAN
PORTION OF TENAYA MIDDLE SCHOOL
760 W. 8TH STREET
MERCED COUNTY CALIFORNIA

DRAWN BY:	RJD
DESIGNED BY:	---
CHECKED BY:	RJD
SCALE:	1"=20'
DATE:	04/15/2025
PROJECT NO.	25–1553
SHEET	1 OF 5



LEGEND

——— · ———	PROPERTY LINE
BFP	BACKFLOW PREVENTER
BOL	BOLLARD
CB	CATCH BASIN
CBX	COMMUNICATION BOX
CC	CONCRETE
CC C&G	CONCRETE CURB & GUTTER
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CONC.	CONCRETE
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EPANEL	ELECTRIC PANEL
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WSP	WALK SIGNAL POLE
WV	WATER VALVE
●12" TREE	TREE W/ SIZE
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G	GAS LINE
SS	SANITARY SEWER LINE
SD	STORM DRAIN LINE
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(IN FEET)
1 inch = 20 ft.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-123490 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/30/2026

REV.	DESCRIPTION

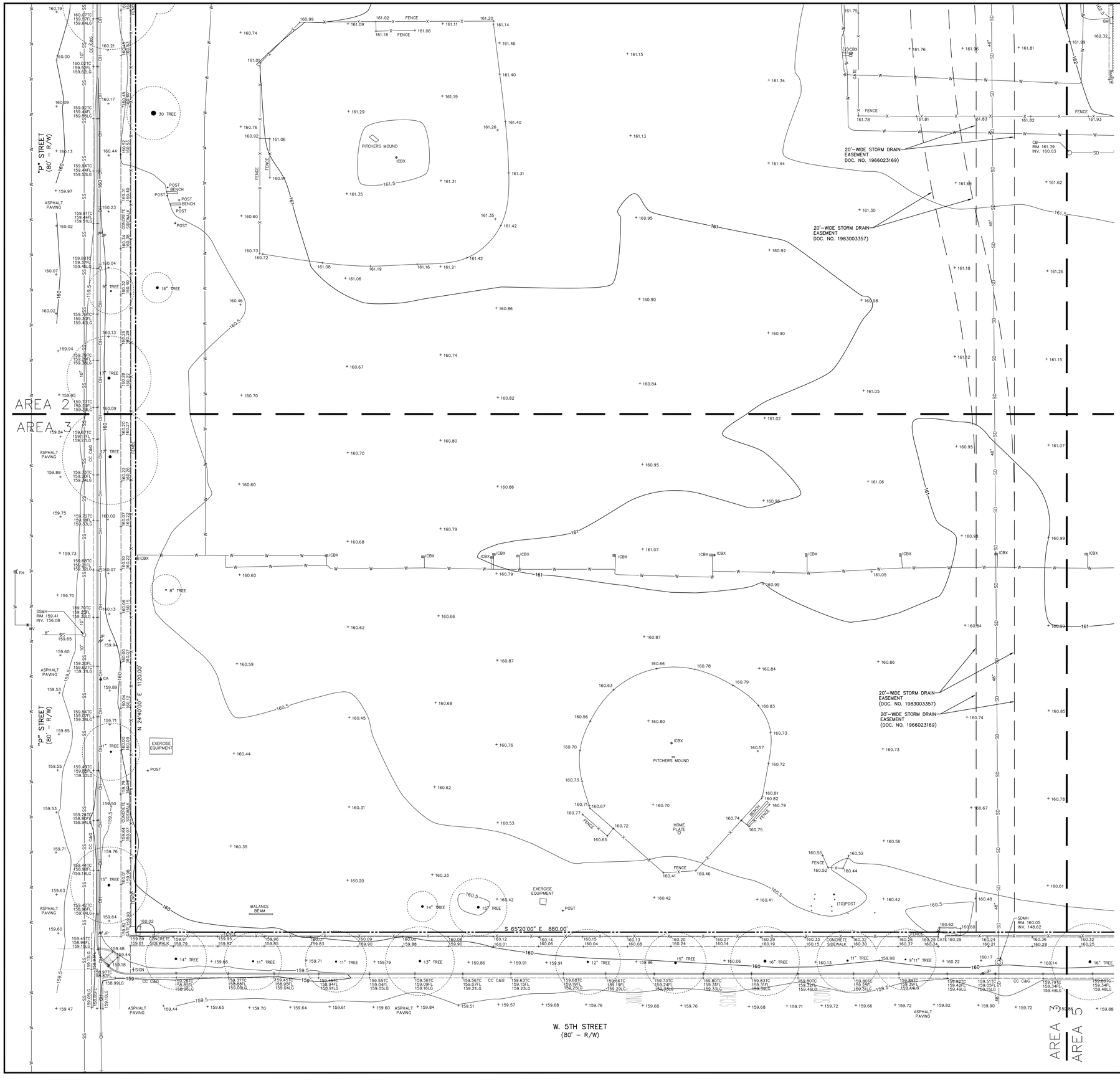
LICENSED LAND SURVEYOR
ROBERT J. DAINS
No. 8227
STATE OF CALIFORNIA

DAINS LAND SURVEYING
rdains@dainslandsurveying.net
(650) 743-0831

PREPARED FOR:
HOHBACH-LEWIN, INC.
MERCED CITY
SCHOOL DISTRICT

TOPOGRAPHIC SURVEY PLAN
PORTION OF TENAYA MIDDLE SCHOOL
760 W. 8TH STREET
MERCED COUNTY CALIFORNIA
MERCED

DRAWN BY:	RJD
DESIGNED BY:	---
CHECKED BY:	RJD
SCALE:	1"=20'
DATE:	04/15/2025
PROJECT NO.	25-1553
SHEET	2 OF 5



LEGEND

———	PROPERTY LINE
BFP	BACKFLOW PREVENTER
BOL	BOLLARD
CB	CATCH BASIN
CBX	COMMUNICATION BOX
CC	CONCRETE
CC C&G	CONCRETE CURB & GUTTER
COL	COLUMN
CONC.	CONCRETE
DF	DRINKING FOUNTAIN
EBX	ELECTRIC BOX
ECAB	ELECTRIC CABINET
EPANEL	ELECTRIC PANEL
FDC	FIRE DEPARTMENT CONNECTION
FF	FINISH FLOOR
FH	FIRE HYDRANT
FL	FLOWLINE
GA	GUY ANCHOR
GM	GAS METER
GP	GATEPOST
ICBX	IRRIGATION BOX
INV.	INVERT
IRR	IRRIGATION
JP	JOINT UTILITY POLE
LG	LIP OF GUTTER
LP	LIGHT POLE
MH	MANHOLE
SDCO	STORM DRAIN CLEANOUT
SDMH	STORM DRAIN MANHOLE
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
TC	TOP OF CURB
TG	TOP OF GRATE
THRESH	THRESHOLD
TRS	TRANSFORMER
TW	TOP OF WALL
UBX	UTILITY BOX
WBX	WATER BOX
WM	WATER METER
WSP	WALK SIGNAL POLE
WV	WATER VALVE
● 12" TREE	TREE W/ SIZE
—X—X—	FENCE
———C———	COMMUNICATION LINE
———E———	ELECTRIC LINE
———G———	GAS LINE
———SS———	SANITARY SEWER LINE
———SD———	STORM DRAIN LINE
———U———	UNKNOWN LINE
———W———	WATER LINE

UTILITY NOTE:

THE UTILITIES EXISTING ON THE SURFACE AND SHOWN ON THIS DRAWING HAVE BEEN LOCATED BY FIELD SURVEY. ALL UNDERGROUND UTILITIES SHOWN ON THIS DRAWING ARE BASED ON PAINT MARKINGS FROM A UTILITY LOCATOR SERVICE. THE SURVEYOR/ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR THEIR COMPLETENESS, INDICATED LOCATION, OR SIZE. RECORD UTILITY LOCATION SHOULD BE CONFIRMED BY EXPOSING THE UTILITY.

EASEMENT NOTE:

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RIGHT-OF-WAYS FOR 6TH STREET, 7TH STREET, "O" STREET, AND VARIOUS ALLEYWAYS ARE NOT SHOWN. IT IS BELIEVED THESE RIGHTS-OF-WAYS HAVE BEEN VACATED OR ABANDONED. ADDITIONAL RESEARCH REGARDING THIS ISSUE IS CURRENTLY UNDERWAY.

FLOOD ZONE NOTE:

THE SUBJECT PROPERTY LIES ENTIRELY WITHIN FLOOD ZONE "AO", HAVING A BASE FLOOD DEPTH OF 1 FOOT BASED ON FLOOD INSURANCE RATE MAP 06047C0440G, DATED DECEMBER 2, 2008.

LOT AREA:

= 985,600 SQ. FT. ±
= 22.626 ACRES ±

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

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DESCRIPTION | REV.

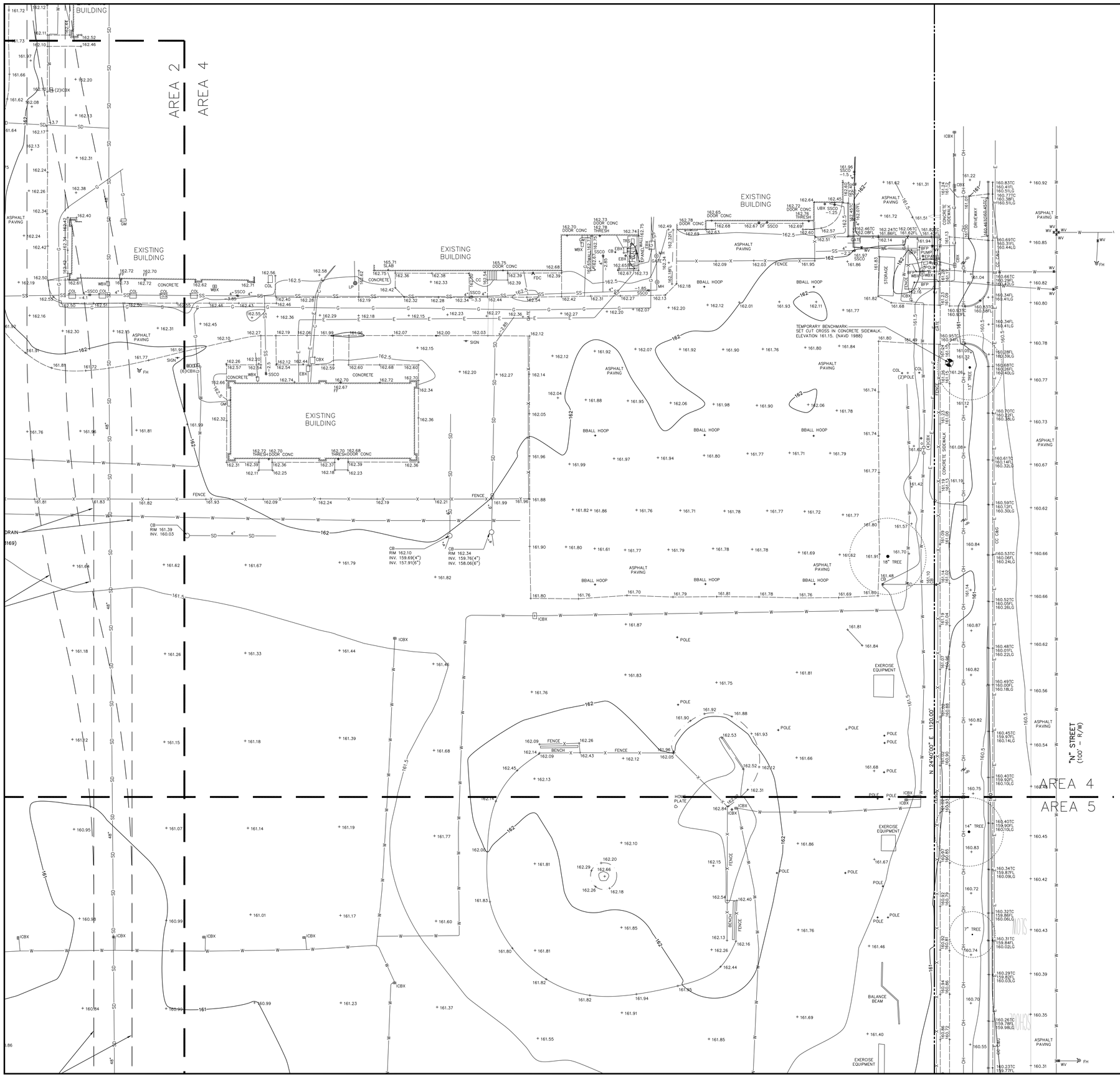
LICENSED LAND SURVEYOR
ROBERT J. ASSERTSON
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MERCED CITY SCHOOL DISTRICT

TOPOGRAPHIC SURVEY PLAN
PORTION OF TENAYA MIDDLE SCHOOL
760 W. 8TH STREET
MERCED COUNTY CALIFORNIA

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SCALE:	1"=20'
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SHEET	3 OF 5



IDENTIFICATION STAMP
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LEGEND

———————	PROPERTY LINE
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(IN FEET)
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REV.	DESCRIPTION

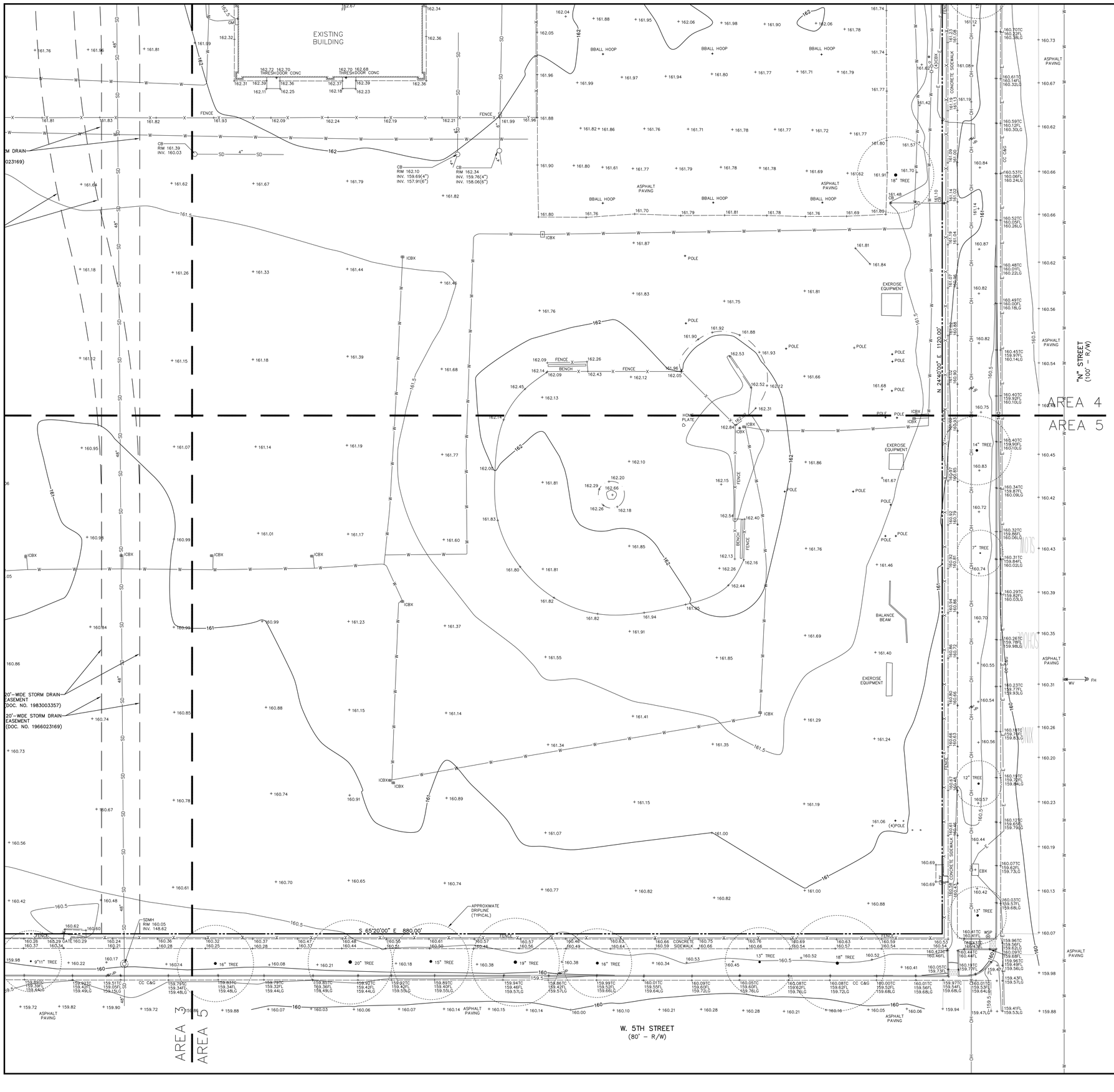
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MERCED CITY SCHOOL DISTRICT

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ROBERT J. ASHERIAN
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STATE OF CALIFORNIA

LEGEND

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SHEET	5 OF 5