Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

SHEET INDEX

SHEET TOTAL: 50

ARCHITECTURAL

COVER SHEET & GENERAL INFO

T-001	COVER SHEET
T-002	APPLICABLE CODES AND GENERAL NOTES
T-003	ABBREVIATIONS AND TYPICAL SYMBOLS

CIVIL

C-100	TITLE SHEET
C-101	PRECISE GRADING PLAN
C-102	PRECISE GRADING PLAN - DETAILS
C-103	EROSION CONTROL PLAN
C-104	DETAILS

SITE PLANS

A-101	OVERALL SITE PLAN
A-102	ENLARGED SITE DEMOLITION PLAN
A-103	ENLARGED SITE NEW WORK PLAN
A-104	ENLARGED PARKING PLAN - SOUTH & SITE DETAILS
A-105	ENLARGED PARKING PLAN - NORTH & SITE DETAILS
A-106	GATE DETAILS
A-107	GATE DETAILS
A-108	SIGNAGE DETAILS

ENLARGED PLANS

A-501	ENLARGED RESTROOM PLANS
A-502	RESTROOM DETAILS
A-503	RESTROOM DETAILS

GATE SCHEDULES

A-901	GATE SCHEDULE

STRUCTURAL

S001	STRUCTURAL NOTES
S002	TYPICAL DETAILS

LANDSCAPE

F-002	DEMOLITION PLAN
F-100	COLOR LAYOUT PLAN
F-110	ATHLETIC FIELD & TRACK LAYOUT PLAN
F-120	ATHLETIC FIELD & TRACK GRADING PLAN
F-130	ATHLETIC FIELD & TRACK DRAINAGE PLAN
F-140	ATHLETIC FIELD & TRACK WASHWATER & IRRIGATION PLAN
F-150	ATHLETIC FIELD & TRACK FENCING PLAN
F-160	ATHLETIC FIELD & TRACK DIMENSIONING PLAN
F-210	FIELD & TRACK SECTION DETAILS
F-220	FIELD & TRACK DRAINAGE DETAILS
F-221	FIELD & TRACK DRAINAGE DETAILS
F-230	FIELD & TRACK FENCING DETAILS
F-240	FIELD & TRACK DETAILS
F-241	FIELD & TRACK DETAILS
F-250	FIELD EVENT DETAILS
F-251	FIELD EVENT DETAILS
F-260	IRRIGATION & WASHWATER DETAILS
F-261	IRRIGATION & WASHWATER DETAILS
F-310	COMPOSITE LAYOUT PLAN & DETAILS
F-320	FOOTBALL LAYOUT PLAN & DETAILS
F-330	SOCCER LAYOUT PLAN & DETAILS
F-340	LACROSSE LAYOUT PLANS
F-350	FIELD HOCKEY AND FLAG FOOTBALL LAYOUT PLAN
F-360	END ZONE LETTERS & CENTER FIELD LOGO
SFPC-1	GENERAL NOTES AND DSA FORM 103
SFPC-2	GENERAL NOTES ABBREVIATIONS AND SYMBOLS
SFPC-3	SECTIONS AND DETAILS
SFPC-4	SPORTFIELD SPECIALTIES DETAILS

PROJECT DIRECTORY

CLIENT:
VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE
VISTA, CA 92084

ARCHITECT:
ALPHASTUDIO DESIGN GROUP
6152 INNOVATION WAY
CARLSBAD, CA 92009
P: 760-431-2444

CIVIL:
PASCO LARET SUITER & ASSOCIATES
27127 CALLE ARROYO SUITE 1904
SAN JUAN CAPISTRANO, CA 92121
P: 949-661-6695

STRUCTURAL:
WISEMAN & ROHY STRUCTURAL ENGINEERS
9915 MIRA MESA BLVD
SAN DIEGO, CA 92131
P: 858-536-5166

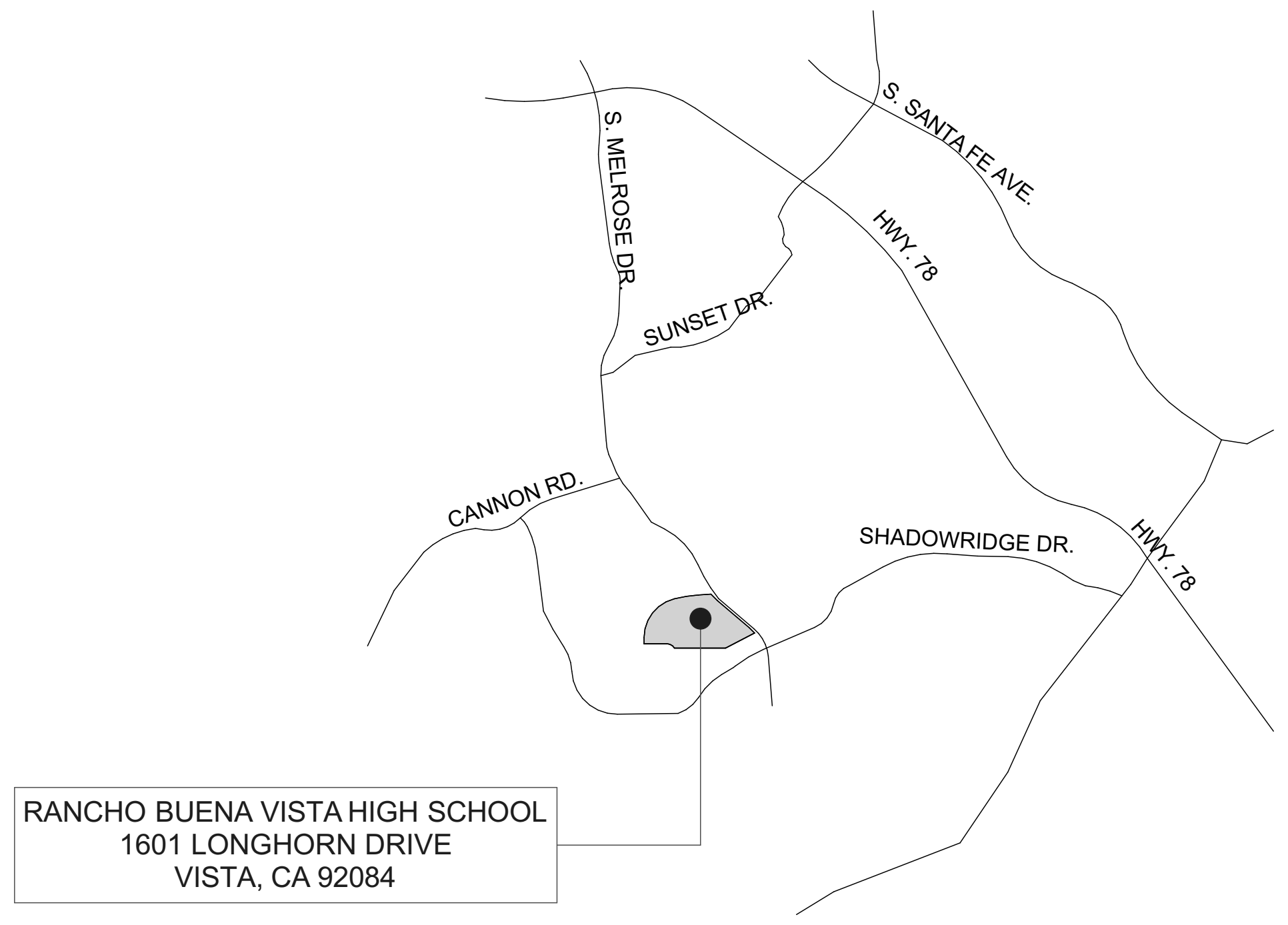
LANDSCAPE:
D A HOGAN & ASSOCIATES
1450 114TH AVE. SE, SUITE 225
BELLEVUE, WA 98004
P: 206-285-0400

ELECTRICAL:
JOHNSON CONSULTING ENGINEERS
12875 BROOKPRINTER PLACE
POWAY, CA 92064
P: 858-679-4030

PROJECT SCOPE

THE SCOPE OF THIS PROJECT INCLUDES THE DEMOLITION AND REPLACEMENT OF THE EXISTING SYNTHETIC TRACK AND ARTIFICIAL TURF FIELD. NEW WORK ALSO INCLUDES A RETAINING WALL WITH DRAINAGE, NEW CONCRETE PAVING WITH AN AGGREGATE BASE, AND A GRIND, SLURRY COAT AND SEAL OF EXISTING AC PAVING.

VICINITY MAP



RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CA 92084

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Statement of General Conformance

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS, INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(Application No. A#04-122827 **File No.** 37-H12 **)**

☒ The drawings or sheets listed on the cover or index sheet

☐ This drawing, page of specifications/calculations

have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

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

The 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. (Title 24, Part 1, Section 4-317 [b])

I find that: ☒ All drawings or sheets listed on the cover or index sheet
☐ This drawing or page

☒ is/are in general conformance with the project design intent, and ☒ has/have been coordinated with the project plans and specifications.	☐ is/are in general conformance with the project design intent, and ☐ has/have been coordinated with the project plans and specifications.
Signature — **Date** 5/20/24	**Signature** — **Date**
Architect or Engineer designated to be in general responsible charge	**Architect or Engineer delegated responsibility for this portion of the work**
Print Name JOSH ECKLE	**Print Name**
License Number C31020 — **Expiration Date** 12/25	**License Number** — **Expiration Date**

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CA 92081
VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/12/2024

SHEET TITLE

COVER SHEET

T-001

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL

GENERAL CONSTRUCTION NOTES

1. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE APPLICABLE CODES LISTED ON THIS SHEET. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH ALL CODES AND ORDINANCES, CITY OR STATE AS REQUIRED FOR THE CONSTRUCTION OF THE FOLLOWING PROJECT. WHERE CONFLICTS OCCUR BETWEEN FEDERAL, STATE, AND LOCAL LAWS, CODES, ORDINANCES, AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
2. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF BOTH THE UNIFORM BUILDING CODE AND TITLE 24, CALIFORNIA CODE OF REGULATIONS.
3. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO THE START OF WORK. THE EXISTING CONDITIONS SHALL INCLUDE, BUT NOT BE LIMITED TO: IRRIGATION, DRAINAGE, SITE MECHANICAL, PLUMBING, AND ELECTRICAL. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES IN SITE CONDITIONS AND CONTRACT DOCUMENTS. FAILURE TO NOTIFY WHILE PROCEEDING WITH WORK SHALL IMPLY ACCEPTANCE OF THE SITE CONDITIONS BY THE CONTRACTOR FOR THE WORK INTENDED.
4. THE CONTRACTOR SHALL PROVIDE ADEQUATE AND SAFE BRACING TO SUPPORT THE COMPONENTS OF THE STRUCTURE UNTIL THE STRUCTURE ITSELF, FLOOR AND ROOF DIAPHRAGMS ARE COMPLETE ENOUGH TO SUPPORT ITSELF. THE SAFETY AND ERECTION OF BRACING SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
5. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THERE ARE NO DISCREPENCIES BEWTEEN THE ARCHITECTURAL DRAWINGS AND THE CONSULTING ENGINEER'S DRAWINGS WHICH WOULD CAUSE A CONFLICT IN THE INSTALLATION OF THE SYSTEMS. IF SUCH A CONFLICT DOES OCCUR, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ALERT THE ARCHITECT TO THE SITUATION PRIOR TO INSTALLATION. ANY WORK INSTALLED IN CONFLICT SHALL BE THE CONTRACTORS RESPONSIBILITY TO REMEDY WITH NO ADDITIONAL COST TO THE OWNER.
6. THE CONTRACTOR SHALL REFER TO THE SPECIFICATIONS FOR A COMPLETE LIST OF GENERAL CONDITIONS, SPECIAL CONDITIONS, AND MATERIAL INSTALLATION METHODOLOGY.
7. TYPICAL NOTES AND DETAILS SHALL APPLY UNLESS SHOWN OTHERWISE, WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR A SIMILAR CONDITION.
8. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING DIMENSIONS, SERVICES, POINTS OF CONNECTION, AND IRRIGATION LINES IN THE CONSTRUCTION AREA PRIOR TO COMMENCEMENT OF WORK. IF PROPER VERIFICATION IS NOT DONE PRIOR TO WORK COMMENCING, AND DAMAGE IS INCURRED THE CONTRACTOR SHALL REPAIR THE DAMAGE AT NO COST TO THE OWNER.
9. ALL DRAWINGS ARE FOR ILLUSTRATION ONLY, THE CONTRACTOR AND SUBCONTRACTORS, SHALL NOT LOCATE ITEMS BY SCALING. IF ITEMS ARE MISLOCATED DUE TO SCALING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND CORRECTLY INSTALLING THE ITEMS AT NO EXPENSE TO THE OWNER.
10. IT IS THE INTENT OF THESE DRAWINGS TO INDICATE A COMPLETE AND FINISHED PRODUCT AND / OR ABUTING EXISTING CONDITION IN A FINISHED AND PROFESSIONAL MANNER.
11. IT IS THE CONTRACTOR'S RESPONSIBILITY TO KEEP THE AREA AROUND THE WORK IN A CLEAN AND SAFE CONDITION. ALL TRASH AND DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LAWFUL MANNER. AREA OF WORK SHALL BE COMPLETELY CLEANED AND READY FOR OCCUPANCY UPON COMPLETION OF WORK.
12. ALL WORK SHALL CONFORM TO TITLE 24 CA CODE OF REGULATIONS. A COPY OF TITLE 24, PARTS 1-5, SHALL BE AVAILABLE ON THE JOBSITE AT ALL TIMES.
13. CHANGES TO THE APPROVED DRAWINGS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SEC. 4-338, PART 1, T-24, CCR. ALL ADDENDA AND CONSTRUCTION CHANGE DOCUMENTS SHALL BE SIGNED BY THE ARCHITECT.
14. A PROJECT INSPECTOR EMPLOYED BY THE OWNER AND APPROVED BY DSA, ARCHTIECT OF RECORD & STRUCTURAL ENGINEER OF RECORD (WHERE APPLICABLE), SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342 PART 1, T-24 CCR. THE INSPECTOR SHALL BE A CLASS III.
15. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER SHALL CONDUCT ALL REQUIRED TESTING AND SPECIAL INSPECTIONS FOR THE PROJECT AS IDENTIFIED ON THE DSA 103 TESTING AND INSPECTION FORM.
16. THE PROJECT SHALL CONFORM TO CURRENT ADA STANDARDS 2022 CBC CHAPTER 11-B.
17. FOOD HANDLING FACILITIES SHALL COMPLY WITH ALL LOCAL HEALTH REQUIREMENTS AND CALIFORNIA UNIFORM RETAIL FOOD FACILITIES LAWS.
18. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OF NONCOMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TILE 24, CALIFORNIA CODE OF REGULATIONS, A CCD, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
19. THE ARCHITECT AND OR ENGINEER SHALL MAKE PERIODIC SITE VISITS DURING CONSTRUCTION TO OBSERVE THE PROGRESS OF THE WORK AND VERIFY GENERAL CONFORMANCE TO THE PLANS AND SPECIFICATIONS IS BEING MET. THESE VISITS DO NOT CONSTITUTE A GUARANTEE OF THE CONTRACTOR'S WORK. A CONTRACTOR'S ERROR THAT GOES UNDETECTED DURING A PERIODIC VISIT DOES NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY FOR PROPERLY PERFORMING THE SCOPE OF THE PROJECT.
20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT ADJACENT STRUCTURES, PROPERTY, AND SITE FEATURES DURING CONSTRUCTION. ANY DAMAGE TO SUCH ITEMS SHALL BE PROMPTLY RESTORED TO THE SATISFACTION OF THE OWNER AND ARCHITECT.
21. CONTRACTORS AND SUBCONSTRATORS ARE REQUIRED TO SUBMIT THEIR BIDS BASED ON ALL DRAWINGS AND SPECIFICATIONS, NOT SOLELY THE SHEETS OR SECTIONS RELEVANT TO THEIR TRADE.
22. THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO BE COMPLIMENTARY IN NATURE, HOWEVER IF A DISCREPANCY OCCURS BETWEEN THE TWO DOCUMENTS, THE MORE STRINGENT REQUIREMENT AND HIGHEST LEVEL OF QUALITY SHALL TAKE PRECENDENCE.
23. ALL DETAILS PROVIDED IN THE CONSTRUCTION DOCUMENTS ARE A PART OF THE CONSTRUCTION SCOPE REGARDLESS OF WHETHER THEY ARE SPECIFICALLY REFERENCED.

GENERAL DEMOLITION NOTES

1. DEMOLITION PLANS REFERENCE GENERAL ITEMS AND CONDITION VARIATIONS MAY OCCUR WITHIN AREA OF DEMOLITION AND SHALL BE TREATED AS SIMILAR.
2. NOT ALL LOCATIONS FOR DEMOLITION MAY BE NOTED. CONTRACTOR SHALL REVIEW THE PROJECT REQURIEMENTS AND BE FAMLIAR WITH THE EXISTING SITE CONDITIONS FOR EVALUATION OF DEMOLITION WORK NECESSARY TO COMPLETE THE NEW WORK.
3. KEY NOTES REFERENCE GENERAL ELEMENTS FOR DISPOSAL OR SALVAGE. VARIOUS ASSOCIATED ITEMS MAY OCCUR AND SHALL BE REMOVED ACCORDING TO THE NEEDS AND DESIGN INTENT OF THE NEW CONSTRUCTION.
4. THE CONTRACTOR SHALL NOT REMOVE OR ALTER ANY BUILDING ELEMENTS OR SYSTEMS NECESSARY FOR THE BUILDING'S STRUCTURAL INTEGRITY WITHOUT PRIOR AUTHORIZATION FROM THE ARCHITECT AND/OR STRUCTURAL ENGINEER OF RECORD.
5. CONTRACTOR SHALL NOT ALTER OR REMOVE ANY SHEAR WALLS OR BEARING WALLS UNLESS IDENTIFIED ON THE DRAWINGS WITH APPROPRIATE DETAILS. THE CONTRACTOR SHALL TAKE PRECAUTIONS DURING DEMOLITION AND CONSTRUCTION ACITIVITES TO NOT EFFECT THE EXISTING STRUCTURAL SYSTEM OF THE BUILDING. IF DURING THE COURSE OF THE WORK, ELEMENTS THAT ARE IDENTIFIED TO BE DEMOLISHED, BUT APPEAR STRUCTURAL IN NATURE AND NOT IDENTIFIED AS SUCH, THE CONTRACTOR SHALL NOTFIY THE ARCHITECT IMMEDIATELY. THE CONTRACTOR SHALL NOT PROCEED WITH THE DEMOLITION OF SUCH ELEMENTS WITHOUT THE DIRECTION OF THE ARCHITECT AND/OR STRUCTURAL ENGINEER OF RECORD.
6. AFTER THE DEMOLITION AND REMOVAL OF ELEMENTS, REPAIR AND RESTORE EXISTING FINISHES TO BE LEFT EXPOSED TO THEIR ORIGINAL CHARACTER. WHERE EXISTING FINISHES ARE TO BE HIDDEN WITH NEW MATERIALS, THOSE FINISHES SHALL BE RESTORED TO PROVIDE ADEQUATE SUITABILITY, STRENGTH, AND SUBSTRATE FOR NEW CONSTRUCTION AND FINISHES.
7. CONTRACTOR SHALL COMPLY WITH THE FOLLOWING SECTIONS OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION:
    - 5-2 PROTECTION
    - 5-3 REMOVAL
    - 5-4 RELOCATION
    - 7-8 PROJECT SITE MAINTENANCE
    - 7-9 PROTECTION AND RESTORATION OF EXIST. IMPROVEMENTS
    - 7-10 PUBLIC CONVENIENCE AND SAFETY
8. SAFETY DURING CONSTRUCTION SHALL COMPLY WITH CHAPTER 33 C.B.C. AND CHAPTER 33 C.F.C.
9. THE CONTRACTOR SHALL DISPOSE OF DEMOLITION MATERIALS IN A LEGAL AND ACCEPTABLE MANNER.
10. CONTRACTOR SHALL MAKE AVAILABLE TO OWNER ANY MATERIALS OR EQUIPMENT LISTED FOR DEMOLITION, DISPOSAL. REMOVAL, ETC. UPON OWNERS REQUEST. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL ON ALL SALVAGEABLE ITEMS.
11. CONTRACTOR SHALL KEEP OPERATING EQUIPMENT OR MATERIALS INDICATED FOR REUSE, RELOCATION, OR OWNER RETENTION IN A SAFE MANNER TO PROTECT THE MATERIAL OR EQUIPMENT FROM DAMAGE.
12. THE CONTRACTOR IS RESPONSIBLE TO PERFORM ALL DEMOLITION WORK NECESSARY TO ALLOW EXECUTION OF ALL REQUIREMENTS OF THE NEW CONSTRUCTION UNDER THIS CONTRACT. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY ALL EXISTING CONDITIONS.
13. THE RECORD DRAWINGS FOR THE FACILITIES TO BE MODERNIZED MAY BE AVAILABLE FROM THE DISTRICT FOR REFERENCE. CONTRACTOR SHALL REQUEST DRAWINGS OR OTHER OWNER SUPPLIED DOCUMENTS PRIOR TO BEGINNING DEMOLITION OR CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL REVIEW THE RECORD DOCUMENTS TO DETERMINE ANY CONDITIONS WHERE CONFLICTS, HARDSHIPS, OR SIMILIAR ISSUES MAY ARISE. THE CONTRACTOR SHALL NOTIFY THE ARCHTIECT OF ANY CONDITIONS WHERE CONFLICTS MAY ARISE PRIOR TO DEMOLITION OR CONSTRUCTION ACTIVITIES.
14. AREA OF FLOOR SLAB OR PAVING DEMOLITION IS SHOWN AS AN APPROXIMATION ONLY TO DEFINE GENERAL SCOPE OF WORK. EXISTING CONDITIONS MAY REQUIRE A LARGER / DIFFERENTLY CONFIGURED AREA OF DEMOLITION. REMOVAL SHALL BE IN ACCORDANCE TO THE NEEDS AND DESIGN INTENT OF THE NEW CONSTRUCTION. COORDINATE DEMOLITION REQUIREMENTS WITH CIVIL, STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DESIGN AND DRAWINGS.
15. ALL FLOOR SLAB AND/OR PAVING SAWCUTS SHALL BE DONE IN A MANNER THAT CREATES A SHARP, STRAIGHT, AND SQUARE EDGE. SAW CUT EDGES EXPOSED FOR LONG DURATIONS DURING CONSTRUCTION SHALL BE PROTECTED BY THE CONTRACTOR IN ORDER TO LIMIT CHIPPING OF CONCRETE EDGE. IF CHIPPING OR OTHER DAMAGE OCCURS, CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND REPLACING ADDITIONAL FLOOR SLAB AND/OR PAVING TO NEXT AVAILABLE JOINT OR AS DETERMINED BY ARCHITECT AT THE CONTRACTOR'S OWN COST.
16. WHERE EQUIPMENT AND/OR FIXTURES ARE INDICATED TO BE REMOVED ALL RELATED EXPOSED PIPING, CONDUITS, AND ASSOCIATED ITEMS SHALL ALSO BE REMOVED AND/OR PROPERLY TERMINATED TO PROVIDE COMPLETE DEMOLITION.
17. WHERE EXISTING CONSTRUCTION ELEMENTS (FRAMING, FINISHES, PIPES, CONDUITS, DUCTWORK, EQUIPMENT, ETC.) INTERFERE WITH THE INTENDED NEW CONSTRUCTION OR WOULD BE EXPOSED IN OTHERWISE 'FINISHED' AREAS, THESE ITEMS SHALL ALSO BE REMOVED AND/OR RELOCATED.
18. AT DEMOLITION OF DOORS, WINDOWS, FLASHINGS, SOFFITS, ETC. WHERE PLASTER IS DISTURBED AT FINISHES TO REMAIN, REMOVE PLASTER BACK 6" MINIMUM TO EXPOSE LATH TO PERFORM PROPER PLASTER PATCH.
19. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ALL DEMOLITION WORK SPECIFIC TO THOSE BUILDING SYSTEMS.
20. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REQUEST ANY HAZARDOUS ABATEMENT DOCUMENTS FOR THE SCOPE OF WORK TO FULLY UNDERSTAND THE EXTENT OF REMOVAL AND DISPOSAL REQUIREMENTS FOR THOSE MATERIALS.
21. ALL ABATEMENT WORK SHALL BE COMPLETED BY THE CONTRACTOR PRIOR TO DEMOLITION WORK.

GENERAL ACCESIBILITY NOTES

1. EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE. HAND-ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 36" TO 42" ABOVE THE FLOOR (PANIC HARDWARE SHALL BE BETWEEN 36" TO 44" ABOVE FIN. FLR.). LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND IN A PATH OF TRAVEL, SHALL BE OPENABLE WITH A SINGLE EFFORT BY LEVER-TYPE HARDWARE, BY EXIT DEVICE, OR PUSH-PULL ACTIVATING BARS. LOCKED EXIT DOORS SHALL OPERATE BY ABOVE IN DIRECTON OF EGRESS.
2. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5.0 POUNDS FOR EXTERIOR AND INTERIOR DOORS, SUCH PUSH OR PULL EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS.
3. DOOR CLOSERS AND GATES CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS MINIMUM.
4. THE FLOOR OR LANDING SHALL NOT BE MORE THAN 1/2 INCH LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4 AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL.
5. ACCESSIBLE FIXTURES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH CALIFORNIA PLUMBING CODE, 2022 EDITION.
6. EXPOSED LAVATORY P-TRAP ASSEMBLIES AND WATER SUPPLY LINES SHALL BE INSTALLED WITH REMANUFACTURED VINYL COVERED P-TRAP, VALVE, AND SUPPLY INSULATED COVER.
7. THE FORCE REQUIRED TO OPERATE LAVATORY OR SINK FAUCETS SHALL BE NO GREATER THAN 5 POUNDS, SELF-CLOSING FAUCETS SHALL HAVE A MINIMUM 10 SECOND CYCLE TIME.
8. ALL ACCESSIBLE GATES WITHIN THE PATH OF TRAVEL SHALL HAVE NON-GRIP HARDWARE MOUNTED BETWEEN 34" TO 44" ABOVE FINISH PAVING. THERE SHALL BE 24" MINIMUM CLEAR SPACE PROVIDED AT THE STRIKE SIDE OF THE GATE FOR ACCESSIBLE MANEUVERING CLEARANCES.
9. ALL DIMENSIONS FOR ACCESSIBLE COMPONENTS, FEATURES, OR CLEAR FLOOR SPACE ARE TO FACE OF FINISH UNLESS OTHERWISE NOTED.
10. WHERE FLOOR DRAINS ARE PROVIDED, FINISHED SURFACE SHALL SLOPE TO DRAIN NO MORE THAN 2% IN ANY DIRECTION. FLOOR DRAINS AND FLOOR SINKS SHALL HAVE 1/2" MAXIMUM GRATE OPENINGS IN ALL DIRECTION.
11. ACCESSIBLE PATH OF TRAVEL (POT) SHALL BE A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED 1:2 MAX SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX. POT SHALL BE AT LEAST 48" IN WIDTH WITH A STABLE, FIRM, AND SLIP RESISTANT SURFACE. CROSS SLOPE SHALL NOT EXCEED 2% MAX AND THE SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT EXCEED 5%. POT SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM ABOVE FINISHED SURFACE AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM THE WALL AND 27" ABOVE FINISHED SURFACE, BUT LESS THAN 80" ABOVE FINISHED SURFACE. REFERENCE CBC 11B-202.4.
12. OPENINGS IN GRATINGS OR STRAINERS LOCATED IN THE PEDESTRIAN CIRCULATION PATHS OR PATH OF TRAVEL SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH CBC 11B-302.
13. GATES IN THE PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

THE PATH OF TRAVEL (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 HAVE BEEN IDENTIFIED AND, THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT 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 FINIDNG OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGH INTO COMPLIANCE BY MEANS OF A CONSTRUCTION CHANGE CHANGE DOCUMENT (CCD).

GENERAL FIRE NOTES

1. FIRE SAFETY AND EVACUATION PLANS SHALL BE MADE AVAILABLE IN TH WORKPLACE FOR REFERENCE AND REVIEW BY EMPLOYEES AND COPIES SHALL BE FURNISHED TO THE FIRE CODE OFFICIAL FOR REVIEW UPON REQUEST.
2. THROUGH PENETRATION FIRE STOPPING FOR ALL FIRE WALLS, FLOORS/CEILING, AND ASSEMBLIES SHALL HAVE AN 'F' OR 'T' RATING PER THE CBC AND STANDARDS. INSTALLATION OF FIRE STOPPING SHALL COMPLY WITH APPROVED METHODS.
3. ALL CONTRACTORS PERFORMING WORK ON THIS PROJECT SHALL COMPLY WITH THE REQUIREMENTS OF 2022 CFC 901.7, SPECIFICALLY 901.7.4 CHAPTER 11 AND 33 AS WELL AS NFPA 241 FIRE PREVENTION PROGRAM THROUGHOUT ALL PHASES OF CONSTRUCTION.
4. FIRE SAFETY DURING DEMOLITION AND CONSTRUCTION SHALL COMPLY WITH CFC CHAPTER 33 AND CBC CHAPTER 33.

APPLICABLE CODES

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR

2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR

2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR

2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR

2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR

2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR

2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR

2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR

2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMMENDMENTS TO TH ENFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

LICENSED ARCHITECT
JOSHUA T. ECKLE
No. C31020
EXP. 12/25
STATE OF CALIFORNIA

ENGINEER OF RECORD

TRACK AND FIELD
REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/12/2024

SHEET TITLE

APPLICABLE CODES AND GENERAL NOTES

T-002

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

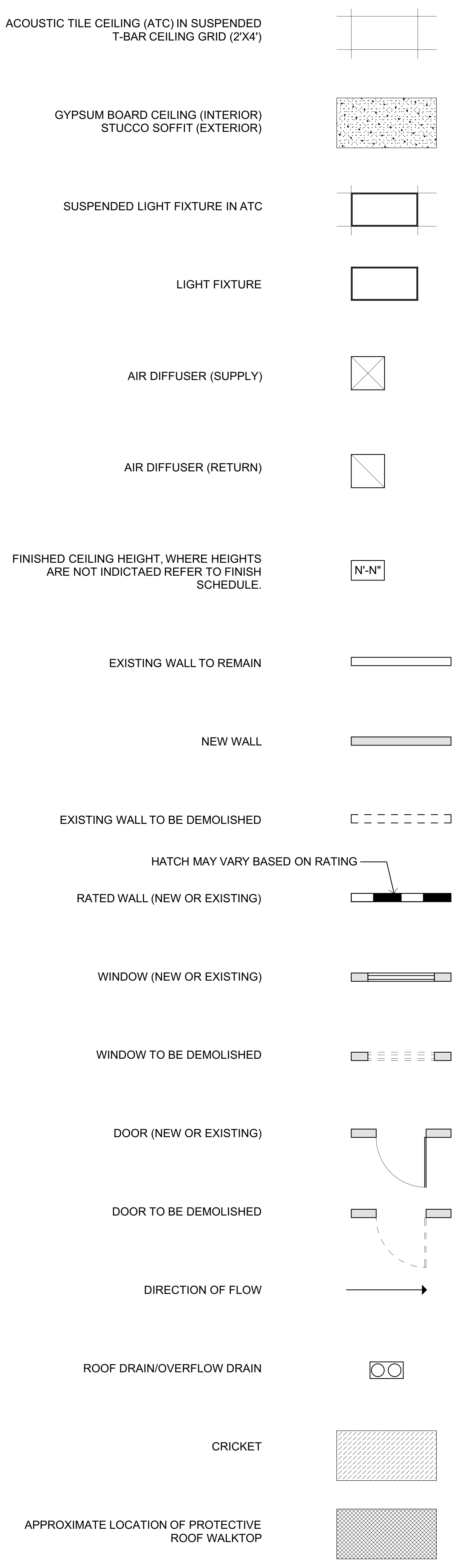
TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL

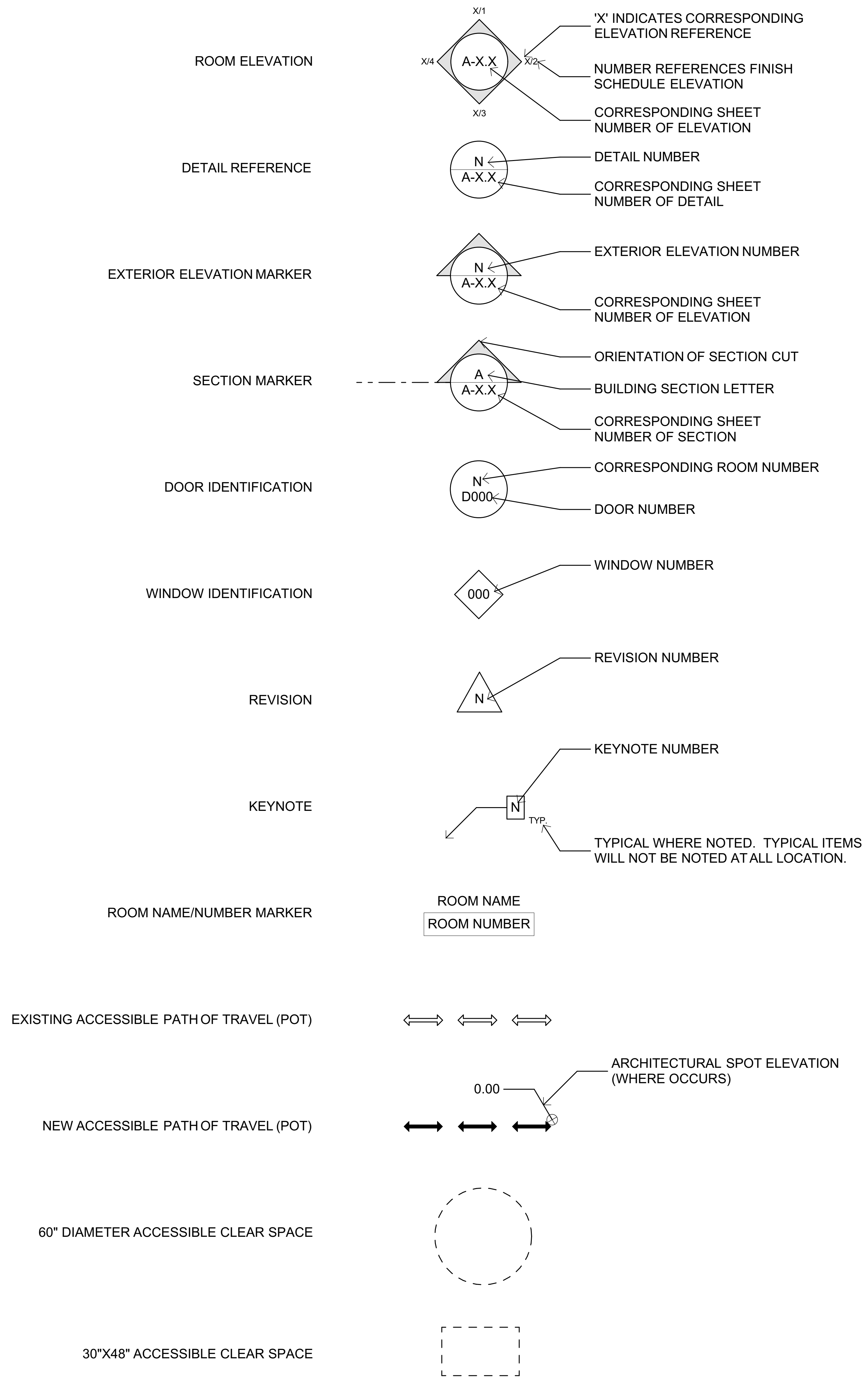
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

STANDARD ABBREVIATIONS

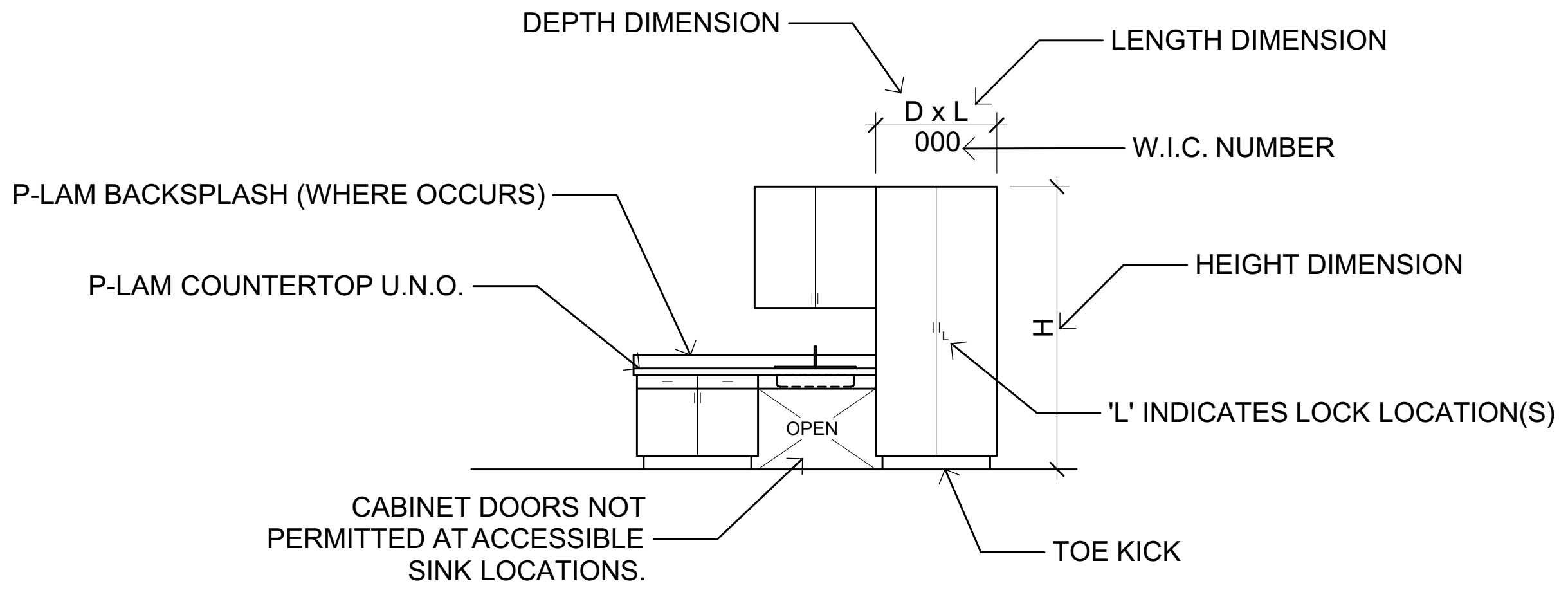
&	AND
<	ANGLE
@	AT
A	AMP
AB.	ANCHOR BOLT
ABV.	ABOVE
AC.	ASPAHLT
A/C.	AIR CONDITIONING
ACOUS.	ACOUSTICAL
AD.	AREA DRAIN
ADJ.	ADJUSTABLE
AGGR.	AGGREGATE
AFF.	ABOVE FINISH FLOOR
AL.	ALUMINUM
AP.	ACCESS PANEL
APPROX.	APPROXIMATE
ARCH.	ARCHITECTURAL
ASC.	ABOVE SUSPENDED CEILING
AS.	AUTOMATIC SPRINKLER
AUTO.	AUTOMATIC
BD	BOARD
BFG.	BELOW FINISH GRADE
BITUM.	BITUMINOUS
BLDG.	BUILDING
BLK.	BLOCK
BM.	BEAM
BRG.	BEARING
BRK.	BRICK
BOT.	BOTTOM
BTU.	BRITISH THERMAL UNIT
C.	CONDUIT
CAB.	CABINET
CB.	CATCH BASIN
CD.	CEILING DIFFUSER
CEM.	CEMENT
CER.	CERAMIC
CF.	CUBIC FEET
CFM.	CUBIC FEET PER MINUTE
CG.	CORNER GUARD
CI.	CAST IRON
CIP.	CAST IN PLACE
CKT. BKR.	CIRCUIT BREAKER
CL.	CENTERLINE
CLG.	CEILING
CLR.	CLEAR
CMU.	CONCRETE MASONRY UNIT
CNTR.	COUNTER
CO.	CLEANOUT
COTG.	CLEANOUT TO GRADE
COL.	COLUMN
CONC.	CONCRETE
CONN.	CONNECTION
CPT.	CARPET
CTR.	CENTER
CTSK.	COUNTERSINK
CW.	COLD WATER
D.	DRAIN
DBL.	DOUBLE
DEPT.	DEPARTMENT
DET.	DETAIL
DF.	DINKING FOUNTAIN
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DMT.	DEMOUNTABLE
DN.	DOWN
DO.	DOOR OPENING
DR.	DRAIN
DS.	DOWNSPOUT
DWG.	DRAWING
DWR.	DRAWER
EXIST.	EXISTING
E.	EAST
EA.	EACH
EF.	EXHAUST FAN
EJ.	EXPANSION JOINT
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMER.	EMERGENCY
ENCL.	ENCLOSURE
EP.	ELECTRICAL PANELBOARD
EQ.	EQUAL
EQUIP.	EQUIPMENT
EW.	EACH WAY
EWC.	ELECTRIC WATER COOLER
EH.	EXHAUST
EXIST.	EXISTING
EXPO.	EXPOSED
EXP.	EXPANSION
EXT.	EXTERIOR
FAS.	FASTNER
FA.	FIRE ALARM
FB.	FACE BRICK
FCO.	FLOOR CLEANOUT
FD.	FLOOR DRAIN
FDN.	FOUNDATION
FE.	FIRE EXTINGUISHER
FEC.	FIRE EXTINGUISHER CABINET
FF.	FINISH FLOOR
FG.	FINISH GRADE
FH.	FIRE HYDRANT
FHC.	FIRE HOUSE CABINET
FIN.	FINISH
FL.	FLOW LINE
FLR.	FLOOR
FLOUR.	FLOURESCENT
FOC.	FACE OF CONCRETE
FOF.	FACE OF FINISH
FOM.	FACE OF MASONRY
FOS.	FACE OF STUD
FPRF.	FIREPROOFING
FS	FINISH SURFACE
FT.	FOOT
FTG.	FOOTING
FUT.	FUTURE
GA.	GAUGE
GALV.	GALVANIZED
GB.	GRAB BAR
GC.	GENERAL CONTRACTOR
GL.	GLASS
GI.	GALVANIZED IRON
GND.	GROUND
GPDW.	GYPSUM DRYWALL
GRD.	GRADE
GV.	GATE VALVE
GYP.	GYPSUM
HB.	HOSE BIB
HC.	HOLLOW CORE
HD.	HEAD
HDR.	HEADER
HDW.	HARDWARE
HM.	HOLLOW METAL
HDWD.	HARDWARE
HNDRL.	HANDRAIL
HORIZ.	HORIZONTAL
HVAC.	HEATING, VENTILATING, AIR CONDITIONING
ID.	INSIDE DIAMETER
IE.	INVERT ELEVATION
IF.	INSIDE FACE
IN.	INCH
INC.	INCLUDE
INFO.	INFORMATION
INSUL.	INSULATION
INT.	INTERIOR
INV.	INVERT
JAN.	JANITOR
JST.	JOIST
JT.	JOINT
KIT.	KITCHEN
KP.	KICK PLATE
KVA	KILOVOLT AMPERES
KW	KILOWATT
MAS.	MASONRY
MAT'L.	MATERIAL
MAX.	MAXIMUM
MC.	MEDICINE CABINET
MECH.	MECHANICAL
MFR.	MANUFACTURER
MH.	MANHOLE
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
MO.	MASONRY OPENING
MTD.	MOUNTED
MTL.	METAL
MUL.	MULLION
N.	NORTH
NIC.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
NTS.	NOT TO SCALE
OA.	OUTSIDE AIR
O/A	OVERALL
OBS.	OBSCURE
OC.	ON CENTER
OD.	OUTSIDE DIAMETER
OFF.	OFFICE
OH.	OPPOSITE HAND
OPNG.	OPENING
OPP	OPPOSET
OVHD.	OVERHEAD
PAV.	PAVING
PC.	PRECAST CONCRETE
PCC.	PORTLAND CEMENT CONCRETE
PHP.	PARTIAL HEIGHT PARTITION
PLT.	PLATE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS.	PLASTER
PLYWD.	PLYWOOD
PLBG.	PLUMBING
POC.	POINT OF CONNECTION
PP.	POWER POLE
PRCST	PRE-CAST
PSI.	POUNDS PER SQUARE INCH
PT.	POINT
PTD.	PAPER TOWEL DISPENSER
PTN.	PARTITION
PVMT.	PAVEMENT
QT.	QUARRY TILE
R.	RISER
RAD.	RADIUS
RD.	ROOF DRAIN
REF.	REFERENCE
REFR.	REFRIGERATOR
REINF.	REINFORCED
REQ'D.	REQUIRED
REV.	REVISION
RESIL.	RESILIENT
RM.	ROOM
RO.	ROUGH OPENING
RDWD.	REDWOOD
S.	SOUTH
SC.	SOLID CORE
SCHED.	SCHEDULE
SD.	SOAP DISPENSER
SECT.	SECTION
SF.	SQUARE FOOT
SH.	SHELF
SHR.	SHOWER
SHT.	SHEET
SIM.	SIMILAR
SMH	SEWER MANHOLE
SND.	SANITARY NAPKIN DISPENSER
SOV.	SHUT OFF VALVE
SPEC.	SPECIFICATIONS
SPKR.	SPRINKLER
SQ.	SQUARE
SS.	STAINLESS STEEL
STA.	STATION
STD.	STANDARD
STL.	STEEL
ST.	STEEL
STO.	STORAGE
STRUC.	STRUCTURAL
STR.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T	TREAD
TB.	TOWEL BAR
T&B	TOP AND BOTTOM
TOC	TOP OF CURB
TEL.	TELEPHONE
TEM.	TEMPERED
TER.	TERAZZO
TF.	TOP OF FOOTING
T&G	TONGUE AND GROOVE
THK.	THICK
TP.	TOP OF PARAPET
TPD.	TOILET PAPER DISPENSER
TS	TOP OF STRUCTURE
TTB.	TELEPHONE TERMINAL BACKBOARD
TV.	TELEVISION
TOW.	TOP OF WALL
TYP.	TYPICAL
UG.	UNDERGROUND
UNF.	UNFINISHED
UNO	UNLESS NOTED OTHERWISE
UON	UNLESS OTHERWISE NOTED
UR	URINAL
UTIL.	UTILITY
VAR.	VARIES
VB.	VAPOR BARRIER
VCT.	VINYL COMPOSITION TILE
VERT.	VERTICAL
VEST.	VESTIBULE
VIF.	VERIFY IN FIELD
VTR.	VENT THROUGH ROOF
W	WEST
W/	WITH
WC.	WATER CLOSET
WCO.	WALL CLEAN OUT
WD.	WOOD
WDW.	WINDOW
WH.	WATER HEATER
W/O	WITHOUT
WP.	WATERPROOF
WSCT.	WAINSCOT
WT.	WEIGHT
WWF.	WELDED WIRE FABRIC
WWM.	WELDED WIRE MESH

TYPICAL SYMBOLS


ACOUSTIC TILE CEILING (ATC) IN SUSPENDED T-BAR CEILING GRID (2'X4')
GYPSUM BOARD CEILING (INTERIOR) STUCCO SOFFIT (EXTERIOR)
SUSPENDED LIGHT FIXTURE IN ATC
LIGHT FIXTURE
AIR DIFFUSER (SUPPLY)
AIR DIFFUSER (RETURN)
FINISHED CEILING HEIGHT, WHERE HEIGHTS ARE NOT INDICTAED REFER TO FINISH SCHEDULE.
N'-N"
EXISTING WALL TO REMAIN
NEW WALL
EXISTING WALL TO BE DEMOLISHED
HATCH MAY VARY BASED ON RATING
RATED WALL (NEW OR EXISTING)
WINDOW (NEW OR EXISTING)
WINDOW TO BE DEMOLISHED
DOOR (NEW OR EXISTING)
DOOR TO BE DEMOLISHED
DIRECTION OF FLOW
ROOF DRAIN/OVERFLOW DRAIN
CRICKET
APPROXIMATE LOCATION OF PROTECTIVE ROOF WALKTOP


ROOM ELEVATION
X/1
X/4
A-X.X
X/2
X/3
'X' INDICATES CORRESPONDING ELEVATION REFERENCE
NUMBER REFERENCES FINISH SCHEDULE ELEVATION
CORRESPONDING SHEET NUMBER OF ELEVATION
DETAIL REFERENCE
N
A-X.X
DETAIL NUMBER
CORRESPONDING SHEET NUMBER OF DETAIL
EXTERIOR ELEVATION MARKER
N
A-X.X
EXTERIOR ELEVATION NUMBER
CORRESPONDING SHEET NUMBER OF ELEVATION
SECTION MARKER
A
A-X.X
ORIENTATION OF SECTION CUT
BUILDING SECTION LETTER
CORRESPONDING SHEET NUMBER OF SECTION
DOOR IDENTIFICATION
N
D000
CORRESPONDING ROOM NUMBER
DOOR NUMBER
WINDOW IDENTIFICATION
000
WINDOW NUMBER
REVISION
N
REVISION NUMBER
KEYNOTE
N
TYP.
KEYNOTE NUMBER
TYPICAL WHERE NOTED. TYPICAL ITEMS WILL NOT BE NOTED AT ALL LOCATION.
ROOM NAME/NUMBER MARKER
ROOM NAME
ROOM NUMBER
EXISTING ACCESSIBLE PATH OF TRAVEL (POT)
0.00
ARCHITECTURAL SPOT ELEVATION (WHERE OCCURS)
NEW ACCESSIBLE PATH OF TRAVEL (POT)
60" DIAMETER ACCESSIBLE CLEAR SPACE
30"X48" ACCESSIBLE CLEAR SPACE

TYPICAL CABINET DESIGNATION (BASE, FULL, OVERHEAD)


DEPTH DIMENSION
LENGTH DIMENSION
D x L
000
W.I.C. NUMBER
P-LAM BACKSPLASH (WHERE OCCURS)
P-LAM COUNTERTOP U.N.O.
HEIGHT DIMENSION
H
L
'L' INDICATES LOCK LOCATION(S)
OPEN
CABINET DOORS NOT PERMITTED AT ACCESSIBLE SINK LOCATIONS.
TOE KICK

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD
REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/12/2024

SHEET TITLE

ABBREVIATIONS AND
TYPICAL SYMBOLS

T-003

VISTA UNIFIED SCHOOL DISTRICT

1601 LONGHORN DRIVE
VISTA, CA 92081

RANCHO BUENA VISTA HIGH SCHOOL

TRACK AND FIELD REPLACEMENT

CIVIL ENGINEER'S NOTES TO CONTRACTOR

1. ALL LANDSCAPE AREAS SHALL BE GRADED TO SLOPE AWAY FROM STRUCTURES AND PROPERTY LINES TOWARD LANDSCAPE DRAINAGE SWALES AND OR SITE DRAIN INLETS AT 2% MINIMUM GRADIENT (1% WHERE FLOW IS CONCENTRATED). SMOOTH FINISH GRADES TO ELIMINATE PONDING OR STANDING WATER.
2. ALL LANDSCAPE DRAINS SHALL BE 4" MINIMUM CONSTRUCTED WITH RIGID BELOW GRADE PIPING WITH A 1% MINIMUM GRADIENT UNLESS OTHERWISE NOTED.
3. LANDSCAPE DRAINS, CATCH BASINS, INLETS, ETC. SHOWN HEREON ARE DIAGRAMMATIC. CONTRACTOR SHALL PROVIDE COMPLETE DRAINAGE SYSTEMS AND ADJUST THE LAYOUT AS REQUIRED TO MATCH SITE CONDITIONS AND OR MINOR DISCREPANCIES WITH THESE PLANS.
4. CONTRACTOR SHALL COORDINATE WITH OTHER TRADES TO MAINTAIN PROPER DRAINAGE AND EROSION CONTROL DURING CONSTRUCTION.
5. CONTRACTOR SHALL NOTIFY ENGINEER UPON THE DISCOVERY OF AREAS WHICH DO NOT DRAIN PROPERLY OR ANY OTHER DISCREPANCY OR AREA WHICH HAS NOT BEEN ADEQUATELY ADDRESSED AS A RESULT OF A FIELD CONDITION OR ANOMALY IN THE TOPOGRAPHY.
6. HARDSCAPE GRADES SHALL BE 0.02' BELOW DRIP SCREED AT HIGHEST POINT NEAR STRUCTURE AND SHALL SLOPE AT A 1% MINIMUM GRADE TO DRAINS OR LANDSCAPE AREAS. HARDSCAPE SHALL SLOPE AND DRAIN AWAY FROM THE STRUCTURE UNLESS OTHERWISE NOTED.
7. THE HIGHEST ADJACENT GRADE AGAINST STRUCTURE FOOTINGS SHALL BE PER THE LATEST GREEN BOOK STANDARD.
8. DEEPENED FOOTINGS OR YARD DRAINS SHOULD BE CONSIDERED IF THE SIDE YARD CROSS SLOPES EXCEED 10%. CONTRACTOR TO VERIFY WITH OWNER OR DEVELOPER.
9. EARTHWORK QUANTITIES SHOWN HEREON ARE RAW QUANTITIES CALCULATED FOR PERMIT AND OR BONDING PURPOSES ONLY. UNLESS NOTED, THEY DO NOT INCLUDE POTENTIAL SHRINKAGE OR BULKING FACTORS, REMEDIAL GRADING, FOOTING SPOILS, UTILITY TRENCH SPOILS, ETC. THE CONTRACTOR SHALL VERIFY QUANTITIES TO THEIR OWN SATISFACTION.
10. THE LOCATIONS OF UNDERGROUND STRUCTURES AND UTILITIES SHOWN HEREON HAVE BEEN OBTAINED FROM AVAILABLE RECORDS FOR THE BENEFIT OF THE CONTRACTOR. THE DEPICTION OF UTILITIES SHOWN ON THESE PLANS DOES NOT CONSTITUTE A GUARANTEE OF THEIR EXACT LOCATION, DEPTH, SIZE, OR TYPE. EXACT LOCATION, DEPTH, TYPE AND SIZE MAY BE VERIFIED BY POTHOLING PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONARY MEASURES TO PROTECT ALL UNDERGROUND AND/OR OVERHEAD STRUCTURES AND/OR UTILITIES WHETHER OR NOT THEY ARE SHOWN HEREON.
11. CONTRACTOR SHALL NOTIFY DIGALERT UNDERGROUND SERVICE ALERT (USA) @ 800-422-4133 AT LEAST TWO DAYS BEFORE START OF CONSTRUCTION.
12. CONTRACTOR IS RESPONSIBLE FOR POTHOLING PRIOR TO START OF CONSTRUCTION TO VERIFY ALL ELEVATIONS OF EXISTING UNDERGROUND UTILITIES.
13. MSE/ WALLS SHALL BE CONSTRUCTED WITH FULL SPECIAL INSPECTION BY OTHERS ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
14. MSE/KEYSTONE RETAINING WALLS SHALL BE CERTIFIED BY THE SOILS ENGINEER OF WORK AS BEING CONSTRUCTED ACCORDING TO THE MANUFACTURER'S SPECIFICATIONS.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING AGENCY APPROVAL OF THE ROUTE AND SITE LOCATION FOR EXPORT AND OR IMPORT MATERIALS.
16. FOOTING SUBGRADE MATERIAL SHALL BE INSPECTED BY GEOTECHNICAL ENGINEER PRIOR TO FORMING OR STEEL PLACEMENT FOR ALL EARTH RETAINING STRUCTURES.
17. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT TO BE LIMITED TO NORMAL WORKING HOURS AND CONSTRUCTION CONTRACTOR AGREES TO DEFEND, INDEMNIFY AND HOLD THE JURISDICTIONAL AGENCY AND THE 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 THE JURISDICTIONAL AGENCY OR DESIGN PROFESSIONAL.

AGENCY NOTIFICATIONS

NOTE: THE CONTRACTORS SHALL NOTIFY THE UNDERGROUND SERVICE ALERT FORTY-EIGHT (48) HOURS PRIOR TO STARTING CONSTRUCTION OR EXCAVATION BY CONTACTING (800) 422-4133

EROSION AND SEDIMENT CONTROL NOTES

1. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
2. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.0' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
3. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
4. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
5. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
6. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY WATER EROSION AND SEDIMENT CONTROL DEVICES WHEN RAIN IS IMMINENT.

EROSION & SEDIMENT CONTROL NOTES (CONTIN.)

7. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE INSPECTOR OR AFTER EACH RUN-OFF PRODUCING RAINFALL.
8. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE AGENCY PERSONNEL DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
9. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
10. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE INSPECTOR.
11. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
12. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
13. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING THE AREAS FOR WHICH THE CONTRACTOR OR A QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
14. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

SPECIAL NOTES

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK.

I. NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS, THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.

2. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; AND THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE ARCHITECT AND ENGINEER 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 THE ARCHITECT OR THE ENGINEER.
3. THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT ALL SLOPES, STREETS, UTILITIES AND STORM DRAINS ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE IS ANY QUESTION REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK AT (949) 661-6695. THE CONTRACTOR SHALL ALSO TAKE THE NECESSARY STEPS TO PROTECT THE PROJECT AND ADJACENT PROPERTY FROM ANY EROSION AND SILTATION THAT RESULT FROM HIS OPERATIONS BY APPROPRIATE MEANS (GRAVEL BAGS, HAY BALES. TEMPORARY DESILTING BASINS, DIKES, SHORING, ETC) UNTIL SUCH TIME THAT THE PROJECT IS COMPLETED AND ACCEPTED FOR MAINTENANCE BY WHATEVER AGENCY OR ASSOCIATION IS TO BE ULTIMATELY RESPONSIBLE FOR MAINTENANCE.
4. BEFORE EXCAVATING FOR THIS CONTRACT, THE CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITIES AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS IF REVISIONS ARE NECESSARY.
5. LOCATION AND ELEVATION OF EXISTING IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK.
6. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED FROM A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE THERE ARE NO OTHER EXISTING UTILITIES EXCEPT AS SHOWN ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHERS NOT OF RECORD OR NOT SHOWN ON THESE PLANS. ALL DAMAGES THERETO CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE APPROPRIATE SPECIFICATIONS AND AT THE EXPENSE OF THE CONTRACTOR.
7. CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES. FOR LOCATION OF ELECTRICAL CABLES, GAS PIPING AND APPURTENANCES CONTACT THE SAN DIEGO GAS & ELECTRIC COMPANY. TELEPHONE: 800-422-4133.
8. CONTRACTOR SHALL NOTIFY THE PACIFIC BELL TELEPHONE COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES FOR LOCATION OF CABLES AND APPURTENANCES, CONTACT PACIFIC BELL. TELEPHONE: 800-422-4133.
9. WHERE TRENCHES ARE WITHIN EASEMENTS OR WITHIN 10' OF ANY BUILDING, A REPORT SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY A QUALIFIED SOILS ENGINEER WHICH INDICATES THAT TRENCH BACKFILL WAS COMPACTED UNDER THE OBSERVATION OF THE SOILS ENGINEER AND IN ACCORDANCE WITH THE ON-SITE EARTHWORK SPECIFICATIONS
10. ALL GRADING SHALL BE DONE UNDER THE OBSERVATION OF A QUALIFIED SOILS ENGINEER. ALL AREAS TO BE FILLED SHALL BE PREPARED TO BE FILLED AND ALL FILL SHALL BE PLACED IN ACCORDANCE WITH THE GRADING SPECIFICATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PLACE, SPREAD, WATER AND COMPACT THE FILL IN STRICT ACCORDANCE WITH THE SPECIFICATIONS.

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE STANDARDS AND SPECIFICATIONS AND THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE (CBC).
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES AND USA ALERT (1-800-422-4133) 48 HOURS PRIOR TO GRADING.
3. DUST SHALL BE CONTROLLED BY WATERING OR OTHER METHODS APPROVED BY THE SCHOOL DISTRICT.
4. CUT SLOPES SHALL BE NO STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE APPROVED, AND SHALL BE SHOWN ON THE PLAN.
5. FILL SLOPES SHALL BE NO STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL, UNLESS OTHERWISE APPROVED, SHALL BE SHOWN ON PLAN, AND SHALL NOT HAVE LESS THAN 95% RELATIVE COMPACTION OUT TO THE FINISHED SURFACE.
6. FILL AREAS SHALL BE CLEANED OF ALL VEGETATION AND DEBRIS, SCARIFIED AND INSPECTED BY THE GRADING INSPECTOR AND APPROVED SOILS TESTING AGENCY PRIOR TO THE PLACING OF FILL.
7. ALL FILL MATERIAL SHALL BE CLEAN EARTH, NO FILL SHALL BE PLACED UNTIL PREPARATION OF GROUND IS APPROVED BY THE SOILS ENGINEER.
8. FINISH GRADE SHALL BE SLOPED AWAY FROM ALL EXTERIOR WALLS AT NOT LESS THAN ½ INCH PER FOOT FOR A MINIMUM OF 3 FEET, THEN 1% (MINIMUM) TO FLOW LINE OF EARTH SWALE.
9. NO OBSTRUCTION OF FLOOD PLAINS OR NATURAL WATERCOURSES SHALL BE PERMITTED.
10. APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS MUST BE USED TO PROTECT ADJOINING PROPERTIES DURING THE GRADING PROJECT
11. APPROVED EROSION PREVENTIVE DEVICES SHALL BE PROVIDED AND MAINTAINED DURING THE RAINY SEASON AND SHALL BE IN PLACE AT THE END OF EACH DAYS WORK.
12. ALL WORK SHALL CONFORM TO THE CITY AND STATE CONSTRUCTION SAFETY ORDERS.
13. THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE PERMITTEE.
14. AN APPROVED SET OF GRADING PLANS SHALL BE ON THE JOB SITE AT ALL TIMES.
15. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE FROM BEGINNING TO COMPLETION OF GRADING OPERATIONS.
16. ALL SLOPES SHALL BE PLANTED AND IRRIGATION FACILITIES SHALL BE PROVIDED FOR ALL SLOPES IN EXCESS OF 3 FEET VERTICAL HEIGHT WITHIN 90 DAYS AFTER COMPLETION OF ROUGH GRADING.
17. ANY CONTRACTOR PERFORMING WORK ON THIS PROJECT SHALL FAMILIARIZE HIMSELF WITH THE SITE AND BE SOLELY RESPONSIBLE FOR ANY DAMAGE TO EXISTING FACILITIES RESULTING DIRECTLY OR INDIRECTLY FROM HIS OPERATIONS, WHETHER OR NOT SUCH FACILITIES ARE SHOWN ON THESE PLANS.

BONDED FIBER MATRIX (BFM) NOTES

1. APPLICATION RATES SHALL BE 3500 POUNDS PER ACRE MINIMUM FOR 2:1 OR SHALLOWER SLOPES AND 4000 POUNDS PER ACRE FOR SLOPES STEEPER THAN 2:1.
2. BFM SHALL BE APPLIED AT LEAST 24 HOURS BEFORE OR AFTER RAINFALL.
3. THE SITE MUST BE PROTECTED WITH BROW DITCHES AND/OR DIVERSION BERMS AT THE TOP OF SLOPES TO DIVERT FLOW FROM THE FACE OF SLOPE.
4. BFM SHALL BE APPLIED TO PROVIDE 100% COVERAGE (I.E. APPLICATION FROM MULTIPLE ANGLES).
5. FOR PERMANENT EROSION CONTROL PURPOSES, BFM MUST BE INSTALLED IN CONJUNCTION WITH SEEDED EROSION CONTROL VEGETATION.
6. A LETTER FROM THE HYDROSEED CONTRACTOR CERTIFYING THAT THE BFM HAS BEEN INSTALLED IN ACCORDANCE WITH THE APPROVED APPLICATION RATES AND COVERAGE REQUIREMENTS SHALL BE SUBMITTED FOR APPROVAL.

SOURCE OF TOPOGRAPHY

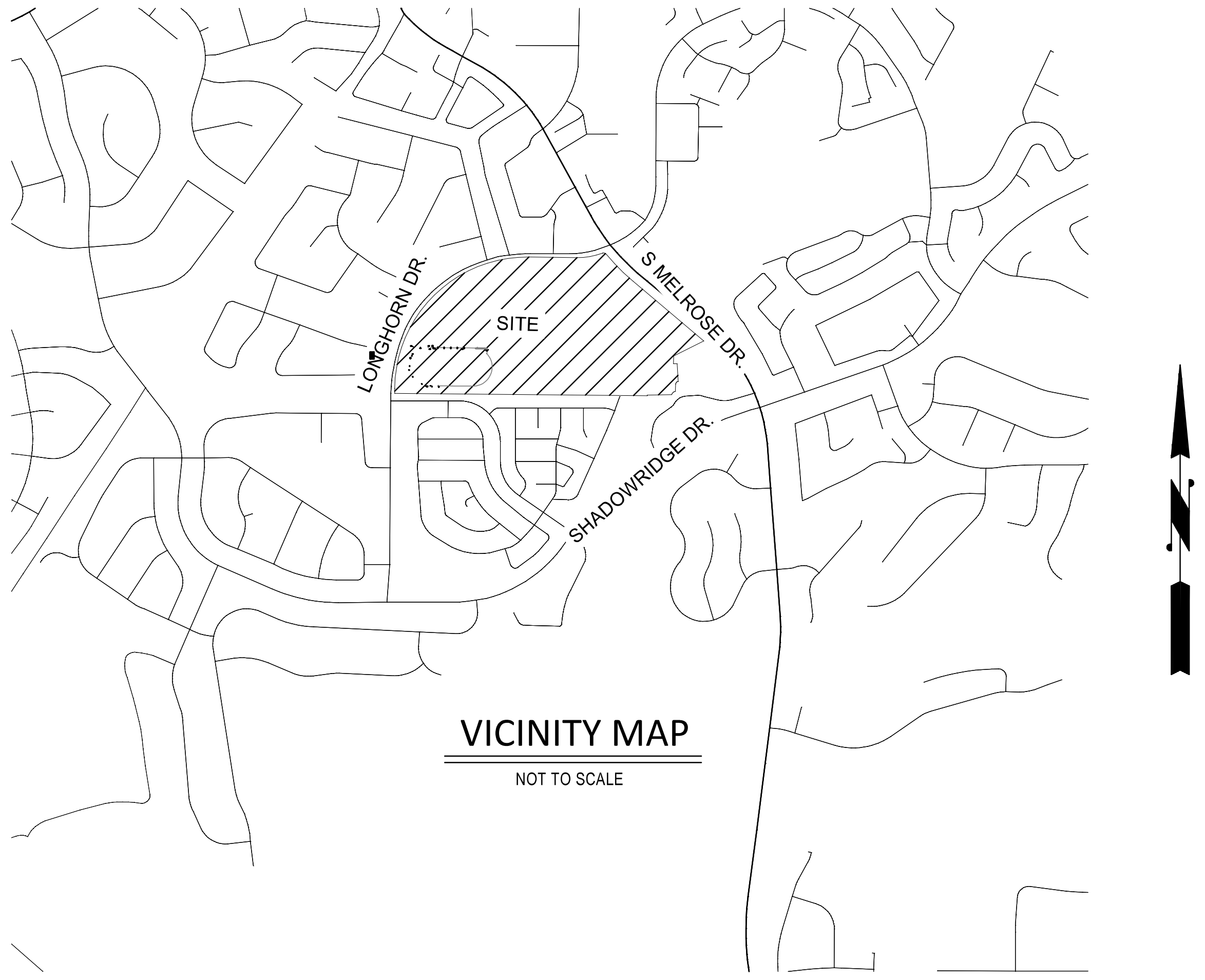
AERIAL TOPOGRAPHIC SURVEY PREPARED BY INLAND AERIAL SURVEYS, INC
(FLOWN ON AUGUST 21, 2014)

ABBREVIATIONS

AC	ASPHALTIC CONCRETE	LP	LOW POINT
BFP	BACKFLOW PREVENTER	PA	PLANTER AREA
BOT	BOTTOM	POC	POINT OF CONNECTION
CONT.	CONTINUED	PIV	POST INDICATOR VALVE
CO	CLEANOUT	PROP	PROPOSED
CY	CUBIC YARDS	PVC	POLYVINYL CHLORIDE PIPE
DET	DETAIL	R	RIDGE LINE
DW	DOMESTIC WATER	RIM	TOP OF RIM ELEVATION
EX	EXISTING	R/W	RIGHT OF WAY
FDC	FIRE DEPARTMENT CONNECTION	RW	RETAINING WALL
		S=	SLOPE
FF	FINISHED FLOOR ELEVATION	SD	STORM DRAIN
FH	FIRE HYDRANT	SDRSD	SAN DIEGO REGIONAL STANDARD DRAWINGS
FG	FINISHED GRADE ELEVATION		
FL	FLOW LINE	SS	SANITARY SEWER
FS	FINISHED SURFACE ELEVATION	TC	TOP OF CURB
		TF	TOP OF FOOTING
IE	INVERT ELEVATION	TG	TOP OF GRATE
G	GAS	TP	TOP OF PIPE
GB	GRADE BREAK	TW	TOP OF WALL
HP	HIGH POINT	TYP	TYPICAL
		WT	WATER

SHEET INDEX

SHEET NO.	DESCRIPTION
C-100	TITLE SHEET
C-101, C-102	PRECISE GRADING PLAN
C-103	EROSION CONTROL PLAN
C-104	DETAILS



VICINITY MAP

NOT TO SCALE

CONSTRUCTION NOTES

QUANTITIES

①	PROTECT IN PLACE			
②	SHOTCRETE EXISTING SLOPE AS NEEDED TO STABILIZE ERODING SLOPE PER ARCHITECTURAL DETAIL 02/A-105	▨	17,129	SF
③	GRIND, SLURRY COAT AND SEAL OVER EXISTING AC PAVING	▒	24,205	SF
④	NOT USED			
⑤	CONSTRUCT 5" PCC OVER 6" AB WALKWAY PER ARCHITECTURAL DETAIL 3/A-105	░	6,475	SF
⑥	REMOVE AND REPLACE EXISTING CONCRETE MOW CURB PER LANDSCAPE DETAIL 3/F-230	═	1,520	LF
⑦	CONSTRUCT RETAINING WALL PER ARCHITECTURAL 11/A-105 AND STRUCTURAL DETAIL 13/S002	▬	505	LF
⑧	CONSTRUCT 2' WIDE DRAINAGE DITCH PER MODIFIED SDRSD D-75 TYPE A ON SHEET C-104	→	500	LF
⑨	CONSTRUCT DITCH INLET PER DETAIL ON SHEET C-104	○	8	EA
⑩	SAWCUT EXISTING AC, GRIND AND OVERLAY PER DETAIL ON C-104			
⑳	INSTALL PVC STORM DRAIN - SEE DATA TABLE HEREON. PIPE BEDDDING AND TRENCH BACKFILL PER SDRSD D-60 ON SHEET C-104.	— SD —	101 628 420	LF - 6" SD LF - 8" SD LF - 12" SD
㉑	NOT USED.			
㉒	INSTALL 1212CB BROOKS BOX (ADA RATED GRATE) PER DETAIL ON SHEET C-104 OR APPROVED EQUAL. SEE DETAIL ON C-104.	▣	8	EA
㉓	INSTALL 2424CB BROOKS BOX (ADA RATED GRATE) PER DETAIL ON SHEET C-104 OR APPROVED EQUAL. SEE DETAIL ON C-104.	▢	2	EA
㉔	CONSTRUCT STORM DRAIN CLEANOUT PER DETAIL ON SHEET C-104	◐	3	EA
㉕	REMOVE EXISTING STORM DRAIN AND INLETS			
㉖	INSTALL 3636CB BROOKS BOX (TRAFFIC RATED STEEL GRATE) PER DETAIL ON SHEET C-104 OR APPROVED EQUAL.	▢	1	EA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

WILLIAM J. SUTER
No. RCE 68964
EXP. 12-31-25
Civil

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: #Pln

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10/23/2024

SHEET TITLE

TITLE SHEET

C-100

DIGALERT
DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

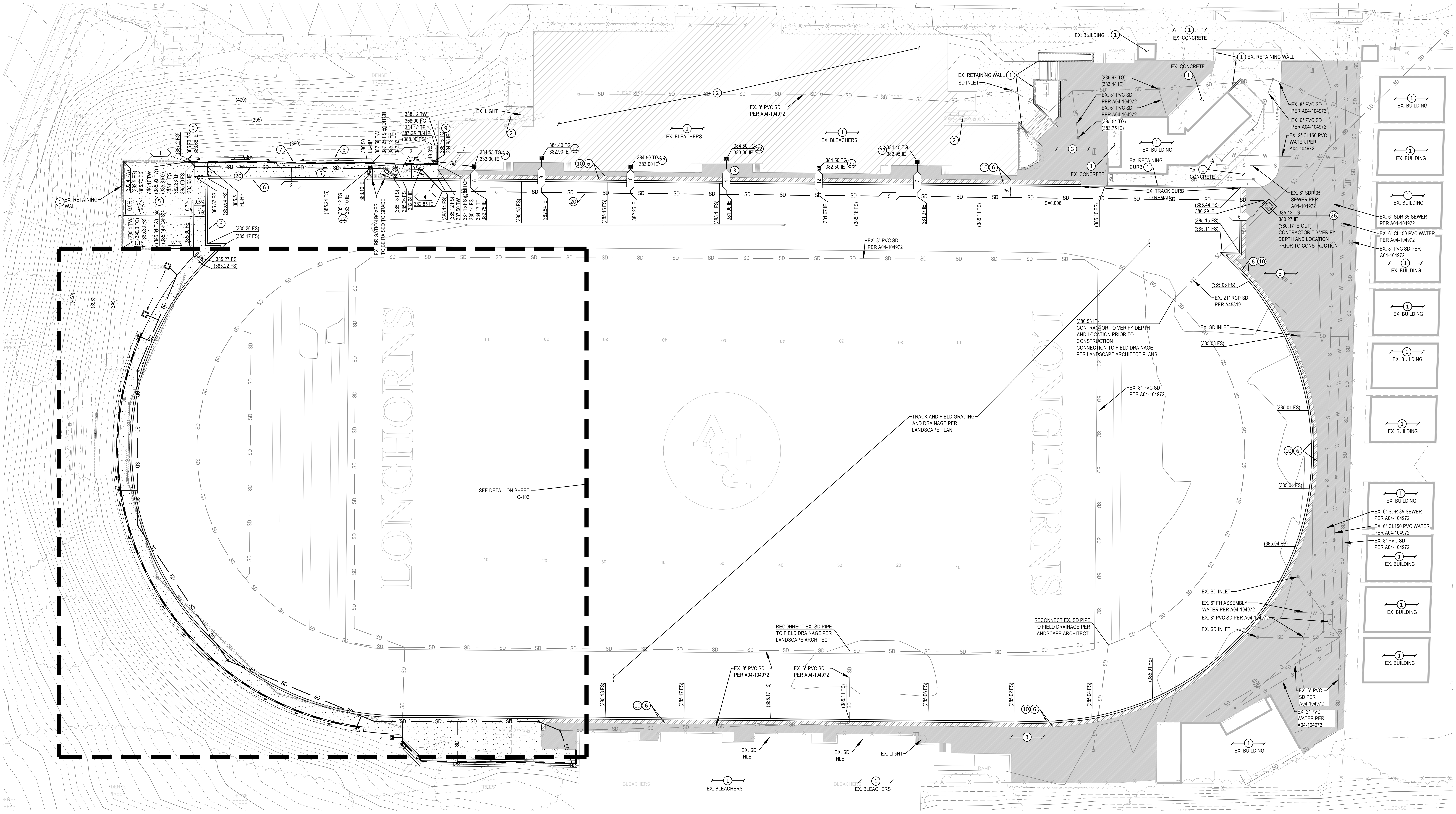
PLSA
PLSAENGINEERING.COM

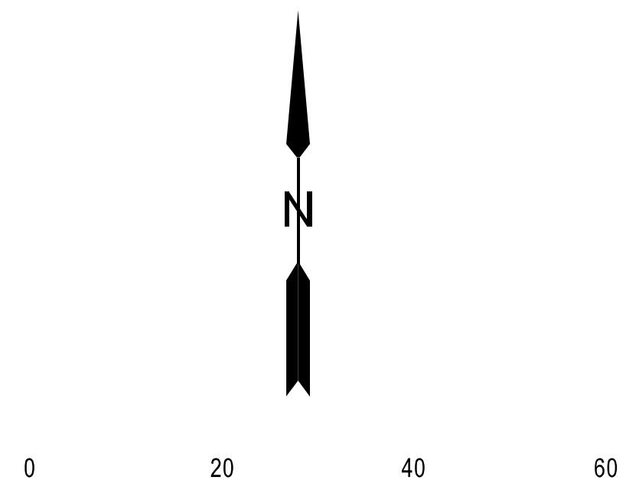
T:\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

SAVE DATE: 11/6/24 ~ PLOT DATE: 11/6/24 ~ FILE NAME: J:\ACTIVE JOBS\3610 RBVHS\CIVIL\DRAWING\CONSTRUCTION DOCUMENTS\Track and Field\3610-RBVHS TRACK AND FIELD C-01-TITLE.dwg

T:\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024


EX. BUILDING ①
EX. CONCRETE ①
EX. RETAINING WALL ①
EX. RETAINING WALL ①
SD INLET
(385.97 TG)
(383.44 IE)
EX. 8" PVC SD PER A04-104972
EX. 6" PVC SD PER A04-104972
(385.54 TG)
(383.75 IE)
EX. CONCRETE
EX. BUILDING
EX. RETAINING CURB
EX. CONCRETE
EX. TRACK CURB TO REMAIN
EX. 8" PVC SD PER A04-104972
EX. 6" PVC SD PER A04-104972
EX. 2" CL150 PVC WATER PER A04-104972
EX. 6" SDR 35 SEWER PER A04-104972
(385.44 FS)
380.29 IE
385.13 TG
380.27 IE
(380.17 IE OUT)
CONTRACTOR TO VERIFY DEPTH AND LOCATION PRIOR TO CONSTRUCTION
(385.15 FS)
(385.11 FS)
S=0.006
EX. 8" PVC SD PER A04-104972
EX. BLEACHERS
EX. LIGHT
EX. RETAINING WALL
(400)
(395)
(390)
388.12 TW
388.00 FG
384.13 TF
387.25 FL-HP
(388.00 FG)
386.15 TG
384.85 IE
385.70 TG
383.68 IE
384.55 TG
383.00 IE
384.40 TG
382.90 IE
384.50 TG
383.00 IE
384.50 TG
383.00 IE
384.50 TG
382.50 IE
384.45 TG
382.95 IE
(385.26 FS)
(385.17 FS)
385.27 FS
(385.22 FS)
EX. IRRIGATION BOXES TO BE RAISED TO GRADE
DENSE TREES
ROCK
EX. 8" PVC SD PER A04-104972
(385.08 FS)
EX. 21" RCP SD PER A45319
(380.53 IE)
CONTRACTOR TO VERIFY DEPTH AND LOCATION PRIOR TO CONSTRUCTION
CONNECTION TO FIELD DRAINAGE PER LANDSCAPE ARCHITECT PLANS
EX. SD INLET
(385.03 FS)
EX. 8" PVC SD PER A04-104972
(385.01 FS)
(385.04 FS)
(385.04 FS)
TRACK AND FIELD GRADING AND DRAINAGE PER LANDSCAPE PLAN
LONGHORNS
LONGHORNS
SEE DETAIL ON SHEET C-102
EX. 6" SDR 35 SEWER PER A04-104972
EX. 6" CL150 PVC WATER PER A04-104972
EX. 8" PVC SD PER A04-104972
EX. SD INLET
EX. 6" FH ASSEMBLY WATER PER A04-104972
EX. 8" PVC SD PER A04-104972
EX. SD INLET
RECONNECT EX. SD PIPE TO FIELD DRAINAGE PER LANDSCAPE ARCHITECT
RECONNECT EX. SD PIPE TO FIELD DRAINAGE PER LANDSCAPE ARCHITECT
EX. 8" PVC SD PER A04-104972
EX. 6" PVC SD PER A04-104972
EX. 6" PVC SD PER A04-104972
EX. 2" PVC WATER PER A04-104972
EX. SD INLET
EX. SD INLET
EX. LIGHT
EX. BLEACHERS
EX. BLEACHERS
EX. BUILDING



STORM DRAIN DATA TABLE			
NO	LENGTH	BEARING/DELTA	DESCRIPTION
1	5.47'	N 44°27'04" W	6" PVC S=0.0061
2	88.65'	N 89°21'13" W	8" PVC S=0.0061
3	25.20'	S 89°21'13" E	8" PVC S=0.0061
4	15.61'	N 44°21'13" W	8" PVC S=0.0061
5	417.37'	N 89°21'13" W	12" PVC S=0.0061
6	2.80'	N 44°13'35" W	12" PVC S=0.0061
7	19.86'	S 82°18'22" E	6" PVC S=0.0932
8	12.19'	S 00°38'47" W	8" PVC S=0.0295
9	17.07'	S 00°38'47" W	8" PVC S=0.0211
10	12.70'	S 00°38'47" W	8" PVC S=0.0426
11	17.37'	S 00°38'47" W	8" PVC S=0.0599
12	13.23'	S 00°38'47" W	8" PVC S=0.0627
13	16.84'	S 00°38'47" W	8" PVC S=0.0938
14	5.62'	S 45°00'00" E	8" PVC S=0.0050
15	52.99'	S 22°30'00" W	8" PVC S=0.0050
16	78.25'	S 00°00'00" E	8" PVC S=0.0050
17	82.98'	S 33°45'00" E	8" PVC S=0.0050
18	80.99'	S 67°30'00" E	8" PVC S=0.0050
19	83.22'	N 90°00'00" E	8" PVC S=0.0050
20	11.78'	S 67°30'00" E	8" PVC S=0.0050
21	6.35'	S 67°30'00" E	8" PVC S=0.0173
22	6.62'	S 67°30'00" E	6" PVC S=0.0106
23	9.86'	N 90°00'00" E	6" PVC S=0.0112
24	7.28'	N 22°30'00" E	8" PVC S=0.0316
25	5.84'	N 00°00'00" W	8" PVC S=0.0668
26	6.16'	N 00°00'00" W	8" PVC S=0.0731
27	6.37'	N 00°00'00" W	8" PVC S=0.0863
28	12.00'	N 00°00'00" W	6" PVC S=0.0525
29	21.67'	N 00°00'00" W	6" PVC S=0.091
30	18.99'	S 20°07'56" E	6" PVC S=0.115
31	4.84'	N 90°00'00" E	6" PVC S=0.054

CONSTRUCTION NOTES

① PROTECT IN PLACE
② SHOTCRETE EXISTING SLOPE AS NEEDED TO STABILIZE ERODING SLOPE PER ARCHITECTURAL DETAIL 02/A-105
③ GRIND, SLURRY COAT AND SEAL OVER EXISTING AC PAVING
④ NOT USED
⑤ CONSTRUCT 5" PCC OVER 6" AB WALKWAY PER ARCHITECTURAL DETAIL 3/A-105
⑥ REMOVE AND REPLACE EXISTING CONCRETE MOW CURB PER LANDSCAPE DETAIL 3/F-230
⑦ CONSTRUCT RETAINING WALL PER ARCHITECTURAL 11/A-105 AND STRUCTURAL DETAIL 13/S002
⑧ CONSTRUCT 2' WIDE DRAINAGE DITCH PER MODIFIED SDRSD D-75 TYPE A ON SHEET C-104
⑨ CONSTRUCT DITCH INLET PER DETAIL ON SHEET C-104
⑩ SAWCUT EXISTING AC, GRIND AND OVERLAY PER DETAIL ON C-104
⑳ INSTALL PVC STORM DRAIN - SEE DATA TABLE HEREON. PIPE BEDDDING AND TRENCH BACKFILL PER SDRSD D-60 ON SHEET C-104.
㉑ NOT USED.
㉒ INSTALL 1212CB BROOKS BOX (ADA RATED GRATE) PER DETAIL ON SHEET C-104 OR APPROVED EQUAL. SEE DETAIL ON C-104.
㉓ INSTALL 2424CB BROOKS BOX (ADA RATED GRATE) PER DETAIL ON SHEET C-104 OR APPROVED EQUAL. SEE DETAIL ON C-104.
㉔ CONSTRUCT STORM DRAIN CLEANOUT PER DETAIL ON SHEET C-104
㉕ REMOVE EXISTING STORM DRAIN AND INLETS
㉖ INSTALL 3636CB BROOKS BOX (TRAFFIC RATED STEEL GRATE) PER DETAIL ON SHEET C-104 OR APPROVED EQUAL.

DIGALERT
DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

ALPHASTUDIO DESIGN GROUP
6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

WILLIAM J. SUTTER
No. RCE 68964
EXP. 12-31-25
Civil

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CA 92081

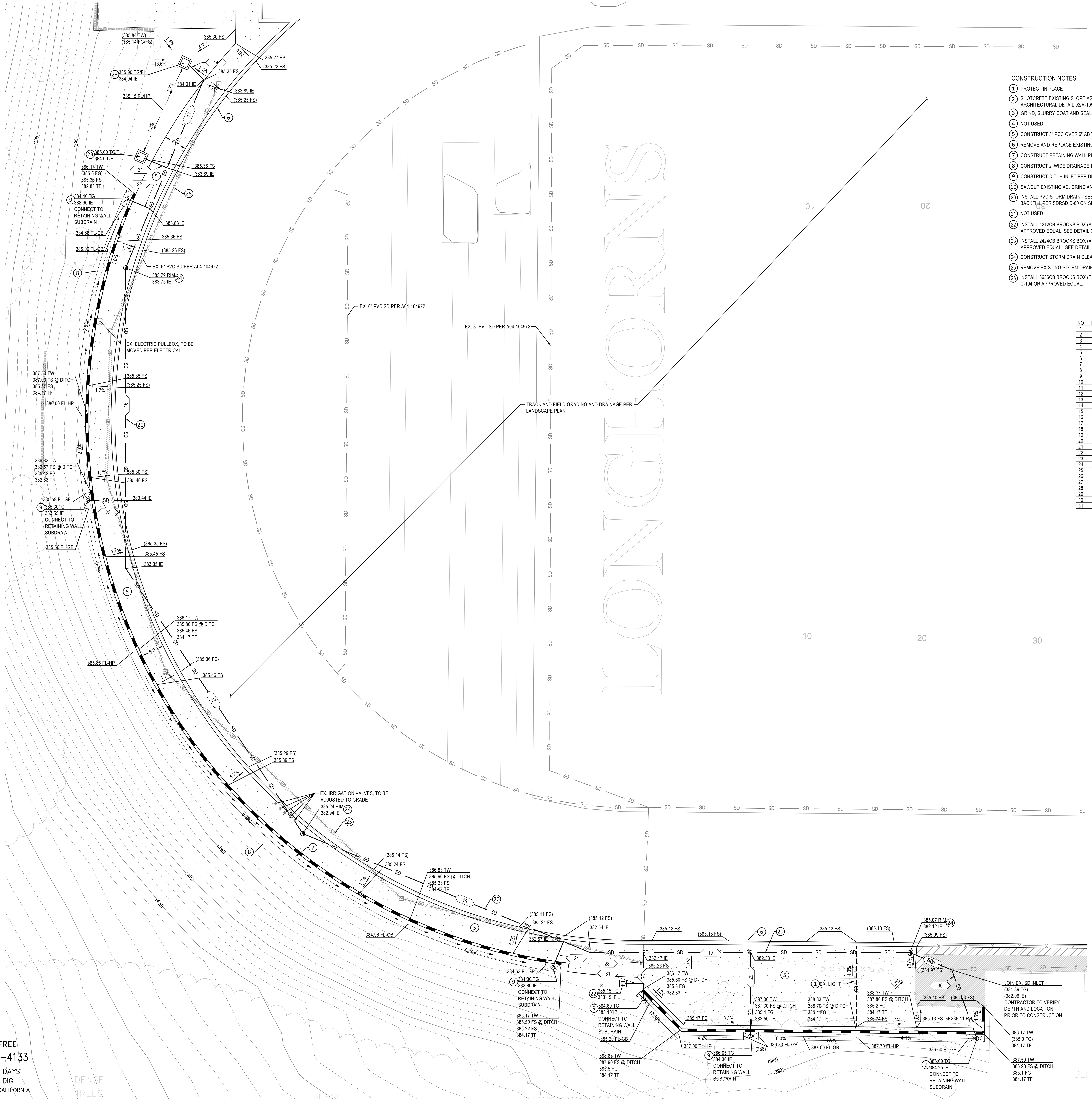
VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: #Pln
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln
PLOT DATE:
10/23/2024
SHEET TITLE
PRECISE GRADING PLAN

T:\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

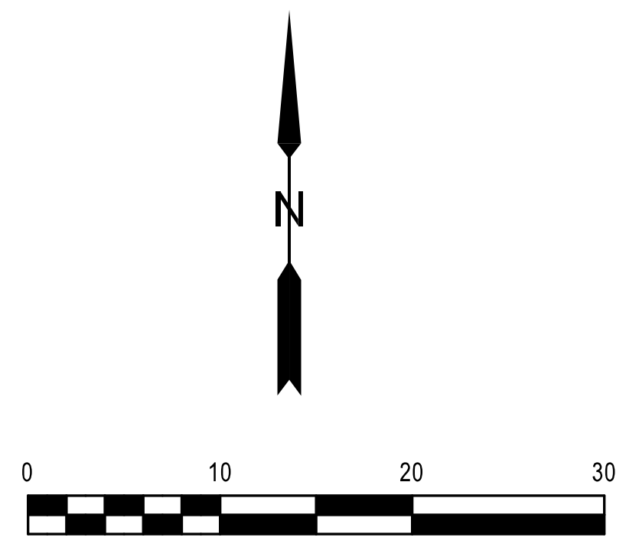


CONSTRUCTION NOTES

1. PROTECT IN PLACE
2. SHOTCRETE EXISTING SLOPE AS NEEDED TO STABILIZE ERODING SLOPE PER ARCHITECTURAL DETAIL 02/A-105
3. GRIND, SLURRY COAT AND SEAL OVER EXISTING AC PAVING
4. NOT USED
5. CONSTRUCT 5" PCC OVER 6" AB WALKWAY PER ARCHITECTURAL DETAIL 3/A-105
6. REMOVE AND REPLACE EXISTING CONCRETE MOW CURB PER LANDSCAPE DETAIL 3/F-230
7. CONSTRUCT RETAINING WALL PER ARCHITECTURAL 11/A-105 AND STRUCTURAL DETAIL 13/S002
8. CONSTRUCT 2' WIDE DRAINAGE DITCH PER MODIFIED SDRSD D-75 TYPE A ON SHEET C-104
9. CONSTRUCT DITCH INLET PER DETAIL ON SHEET C-104
10. SAWCUT EXISTING AC, GRIND AND OVERLAY PER DETAIL ON C-104
20. INSTALL PVC STORM DRAIN - SEE DATA TABLE HEREON. PIPE BEDDDING AND TRENCH BACKFILL PER SDRSD D-60 ON SHEET C-104.
21. NOT USED.
22. INSTALL 1212CB BROOKS BOX (ADA RATED GRATE) PER DETAIL ON SHEET C-104 OR APPROVED EQUAL. SEE DETAIL ON C-104.
23. INSTALL 2424CB BROOKS BOX (ADA RATED GRATE) PER DETAIL ON SHEET C-104 OR APPROVED EQUAL. SEE DETAIL ON C-104.
24. CONSTRUCT STORM DRAIN CLEANOUT PER DETAIL ON SHEET C-104
25. REMOVE EXISTING STORM DRAIN AND INLETS
26. INSTALL 3636CB BROOKS BOX (TRAFFIC RATED STEEL GRATE) PER DETAIL ON SHEET C-104 OR APPROVED EQUAL.

STORM DRAIN DATA TABLE

NO	LENGTH	BEARING/DELTA	DESCRIPTION
1	5.47'	N 44°27'04" W	6" PVC S=0.0061
2	88.65'	N 89°21'13" W	8" PVC S=0.0061
3	25.20'	S 89°21'13" E	8" PVC S=0.0061
4	15.61'	N 44°21'13" W	8" PVC S=0.0061
5	417.37'	N 89°21'13" W	12" PVC S=0.0061
6	2.80'	N 44°13'35" W	12" PVC S=0.0061
7	19.86'	S 82°18'22" E	6" PVC S=0.0932
8	12.19'	S 00°38'47" W	8" PVC S=0.0295
9	17.07'	S 00°38'47" W	8" PVC S=0.0211
10	12.70'	S 00°38'47" W	8" PVC S=0.0426
11	17.37'	S 00°38'47" W	8" PVC S=0.0599
12	13.23'	S 00°38'47" W	8" PVC S=0.0627
13	16.84'	S 00°38'47" W	8" PVC S=0.0938
14	5.62'	S 45°00'00" E	8" PVC S=0.0050
15	52.99'	S 22°30'00" W	8" PVC S=0.0050
16	78.25'	S 00°00'00" E	8" PVC S=0.0050
17	82.98'	S 33°45'00" E	8" PVC S=0.0050
18	80.99'	S 67°30'00" E	8" PVC S=0.0050
19	83.22'	N 90°00'00" E	8" PVC S=0.0050
20	11.78'	S 67°30'00" E	8" PVC S=0.0050
21	6.35'	S 67°30'00" E	8" PVC S=0.0173
22	6.62'	S 67°30'00" E	6" PVC S=0.0106
23	9.86'	N 90°00'00" E	6" PVC S=0.0112
24	7.28'	N 22°30'00" E	8" PVC S=0.0316
25	5.84'	N 00°00'00" W	8" PVC S=0.0668
26	6.16'	N 00°00'00" W	8" PVC S=0.0731
27	6.37'	N 00°00'00" W	8" PVC S=0.0863
28	12.00'	N 00°00'00" W	6" PVC S=0.0525
29	21.67'	N 00°00'00" W	6" PVC S=0.091
30	18.99'	S 20°07'56" E	6" PVC S=0.115
31	4.84'	N 90°00'00" E	6" PVC S=0.054



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

No. RCE 68964
EXP. 12-31-25
CIVIL

VISTA UNIFIED SCHOOL DISTRICT
EXCELLENCE INNOVATION

LONGHORNS

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: #Pln

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10/23/2024

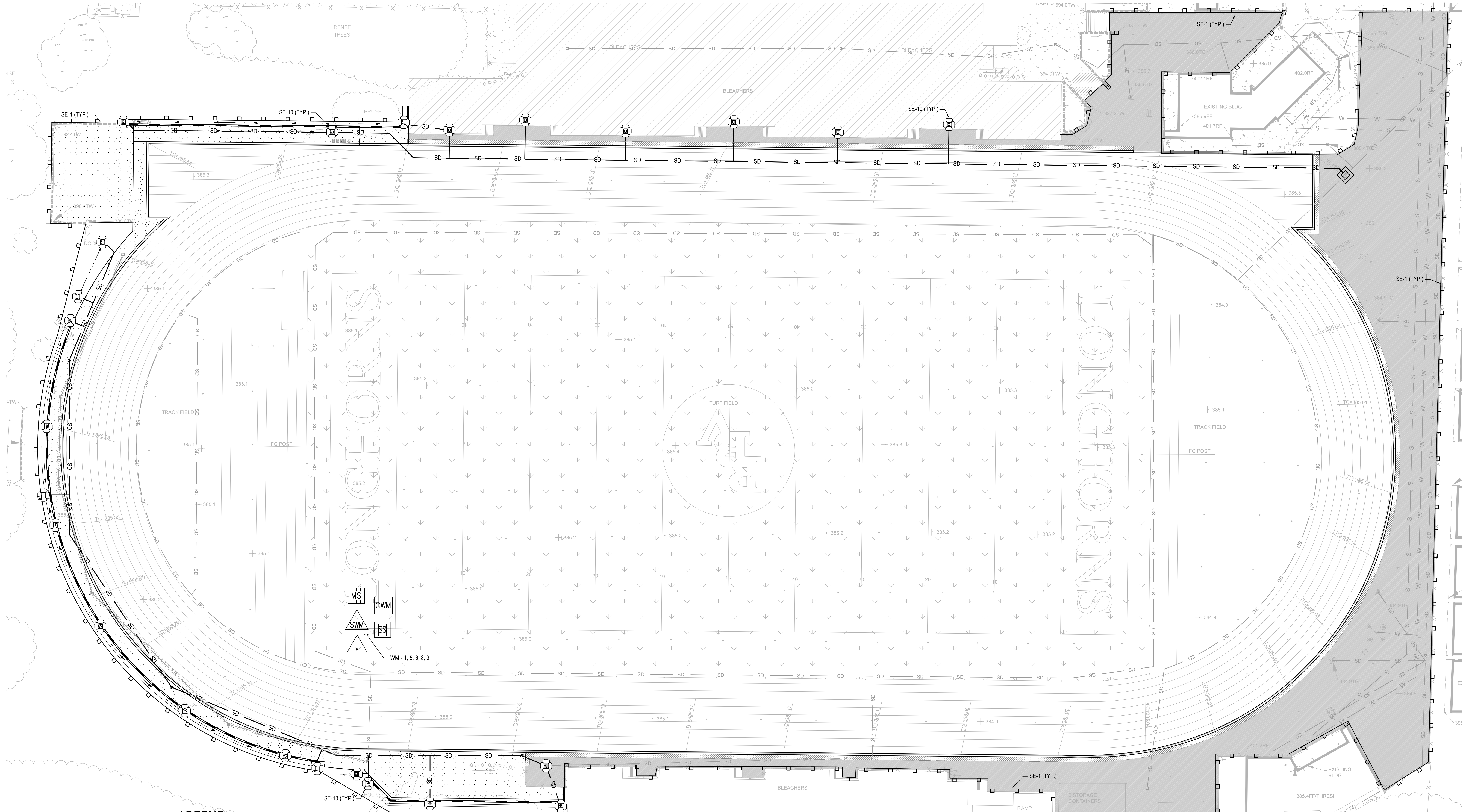
SHEET TITLE

PRECISE GRADING
PLAN - DETAILS

C-102

DIGALERT
DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

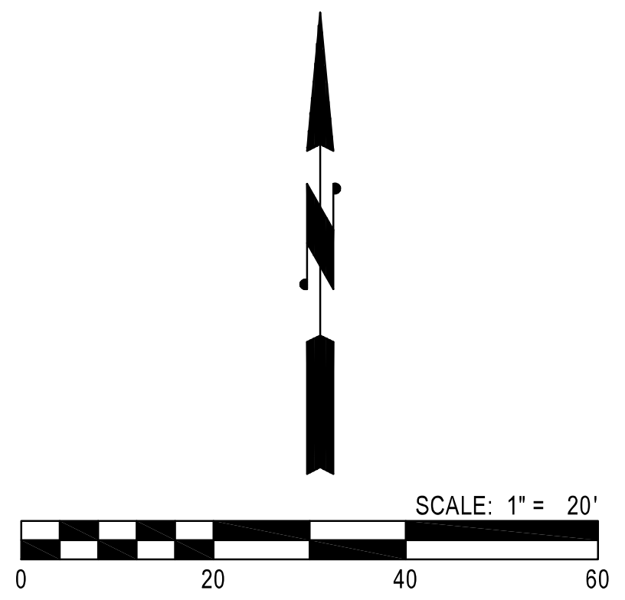
T:\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln



LEGEND

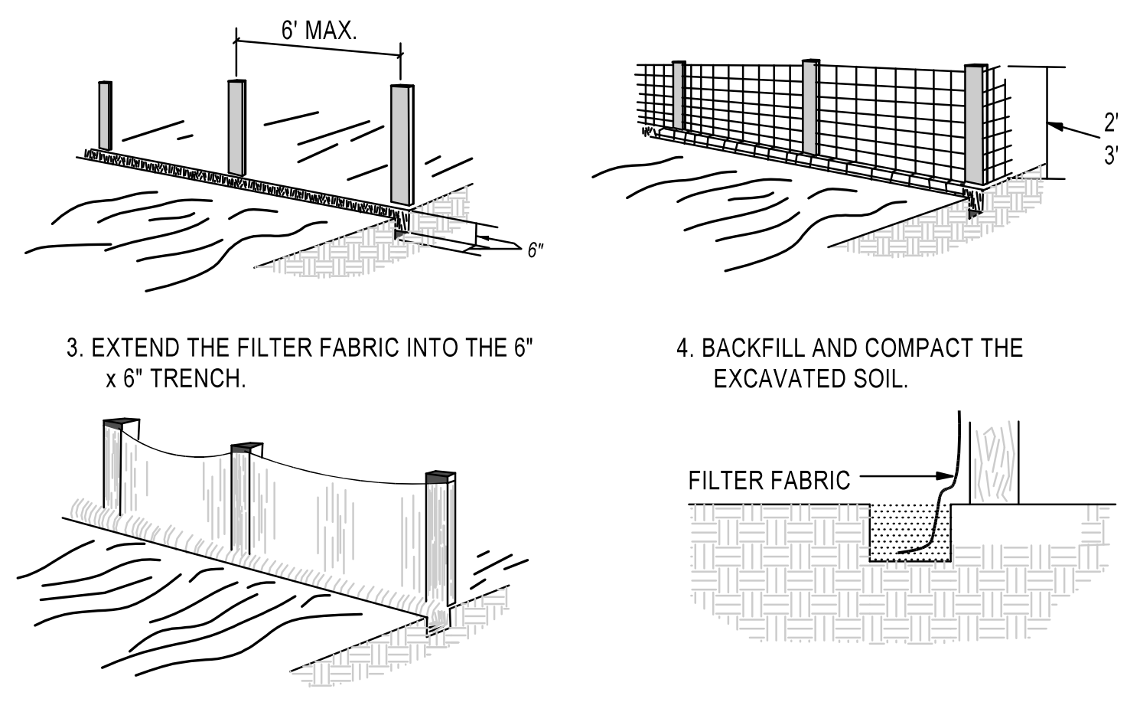
CASQA BEST MANAGEMENT PROTECTION

DESCRIPTION	QTY	SYMBOL
SE-1 SILT FENCE	1,945 L.F.	—□—□—
SE-5 FIBER ROLLS	N/A	—FR—FR—
SC-10 GRAVEL BAGS (2 BAGS HIGH)	N/A	⬭⬭⬭⬭
SE-10 STORM DRAIN INLET PROTECTION (GRAVEL BAGS)	24 EA.	⬭□⬭
SE-4 CHECK DAM	N/A	⬭⬭⬭⬭⬭
EC-3,4 HYDROSEEDING/BONDED FIBER MATRIX	N/A	▨
TC-1 STABILIZED CONSTRUCTION ENTRANCE INCLUDING CORRUGATED STEEL PANELS	N/A	⬡
WM-1 MATERIAL DELIVERY STORAGE	1 EA.	MS
WM-5 SOLID WASTE MANAGEMENT	1 EA.	△ SWM
WM-6 HAZARDOUS WASTE MANAGEMENT	1 EA.	⚠
WM-8 CONCRETE WASTE MANAGEMENT	1 EA.	CWM
WM-9 SANITARY/SEPTIC WASTE MANAGEMENT	1 EA.	SS



DIGALERT
DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS
BEFORE YOU DIG
UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

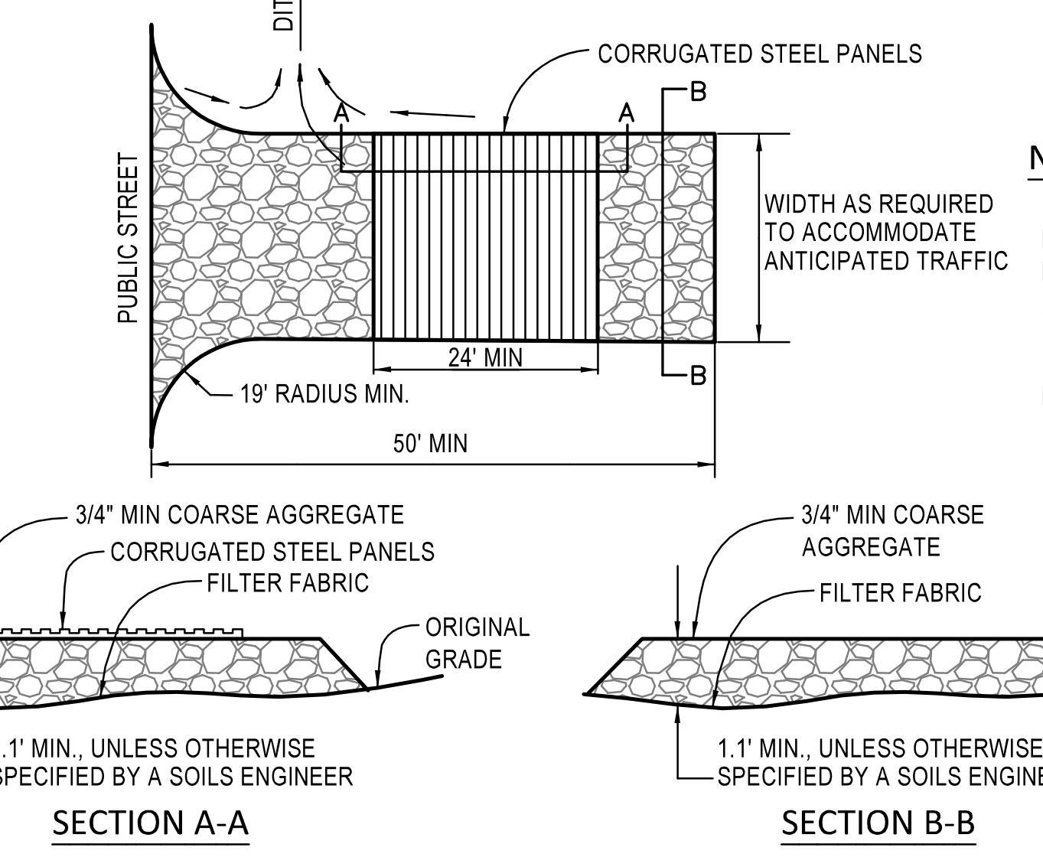
1. SET POSTS AND EXCAVATE A 6 INCH BY 6 INCH TRENCH UPSLOPE FROM AND ALONG THE LINE OF POSTS
2. STAPLE THE FILTER FABRIC TO THE FENCE.
3. EXTEND THE FILTER FABRIC INTO THE 6" x 6" TRENCH.
4. BACKFILL AND COMPACT THE EXCAVATED SOIL.



NOTE:
THE SILT FENCE SHOULD BE SUPPORTED BY A WIRE MESH IF THE FILTER FABRIC DOES NOT HAVE SUFFICIENT STRENGTH AND BURSTING STRENGTH CHARACTERISTICS (AS RECOMMENDED BY THE FABRIC MANUFACTURER)

SILT FENCE DETAIL

NOT TO SCALE

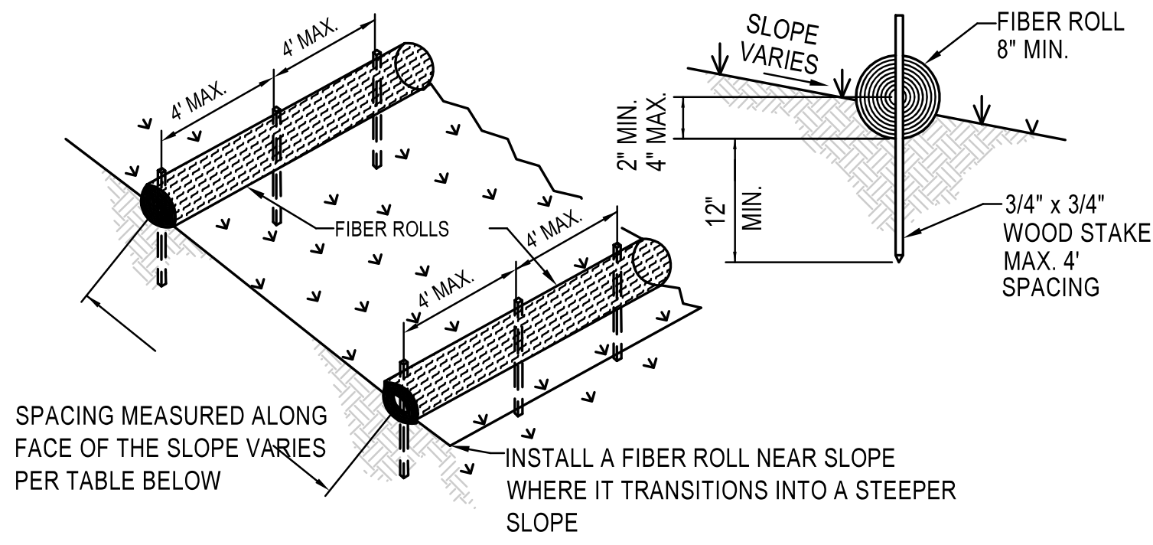

DITCH
CORRUGATED STEEL PANELS
A
A
B
B
PUBLIC STREET
WIDTH AS REQUIRED TO ACCOMMODATE ANTICIPATED TRAFFIC
24' MIN
19' RADIUS MIN.
50' MIN
3/4" MIN COARSE AGGREGATE
CORRUGATED STEEL PANELS
FILTER FABRIC
ORIGINAL GRADE
1.1' MIN., UNLESS OTHERWISE SPECIFIED BY A SOILS ENGINEER
SECTION A-A
3/4" MIN COARSE AGGREGATE
FILTER FABRIC
ORIGINAL GRADE
1.1' MIN., UNLESS OTHERWISE SPECIFIED BY A SOILS ENGINEER
SECTION B-B

NOTE:
CONTRACTOR TO MODIFY CONSTRUCTION ENTRANCE IN THE FIELD AS NECESSARY

CONSTRUCT SEDIMENT BARRIER AND CHANNELIZE RUNOFF TO SEDIMENT TRAPPING DEVICE

CONSTRUCTION ENTRANCE DETAIL

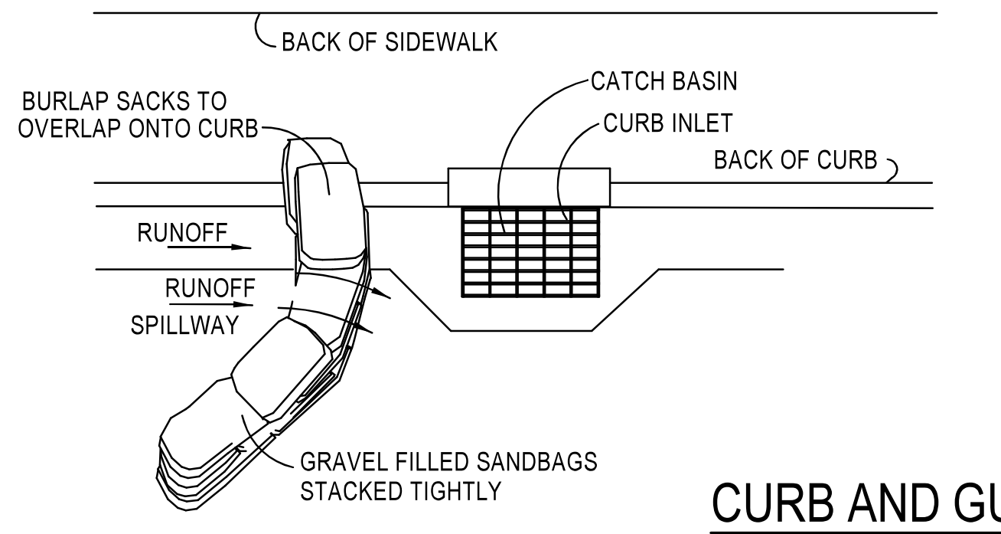
NOT TO SCALE


4' MAX.
4' MAX.
FIBER ROLLS
4' MAX.
4' MAX.
SPACING MEASURED ALONG FACE OF THE SLOPE VARIES PER TABLE BELOW
INSTALL A FIBER ROLL NEAR SLOPE WHERE IT TRANSITIONS INTO A STEEPER SLOPE
SLOPE VARIES
FIBER ROLL 8" MIN.
2" MIN.
4" MAX.
12" MIN.
3/4" x 3/4" WOOD STAKES MAX. 4' SPACING

FIBER ROLL SPACING TABLE (PLACED ON LEVEL CONTOURS)	
SLOPE INCLINATION	HORIZONTAL INTERVAL
4:1 (H:V) OR FLATTER	20 FEET (MAXIMUM)
BETWEEN 4:1 AND 2:1 (H:V)	15 FEET (MAXIMUM)
2:1 (H:V) OR STEEPER	10 FEET (MAXIMUM)

FIBER ROLL DETAIL

NOT TO SCALE

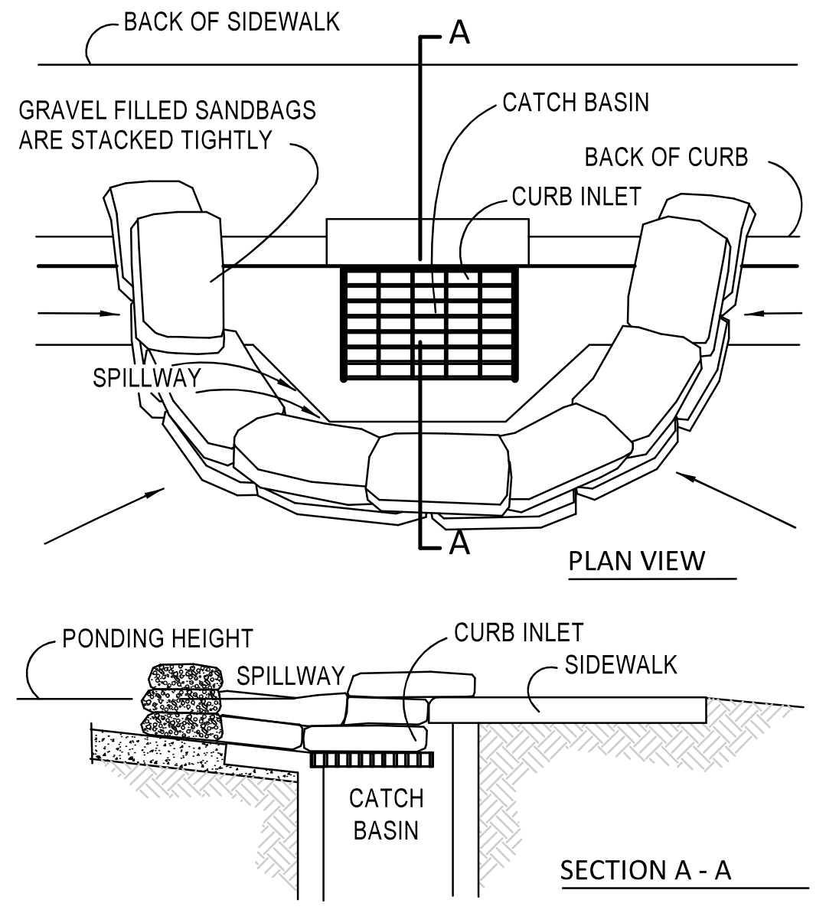

BACK OF SIDEWALK
BURLAP SACKS TO OVERLAP ONTO CURB
CATCH BASIN
CURB INLET
BACK OF CURB
RUNOFF
RUNOFF
SPILLWAY
GRAVEL FILLED SANDBAGS STACKED TIGHTLY

PLAN VIEW

NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS, WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS OF EITHER BURLAP OR WOVEN `GEOTEXTILE' FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE A ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB AND GUTTER SEDIMENT BARRIER DETAIL

NOT TO SCALE



NOTES:
1. PLACE CURB TYPE SEDIMENT BARRIERS ON GENTLY SLOPING STREET SEGMENTS WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE FROM RUNOFF.
2. SANDBAGS, OF EITHER BURLAP OR WOVEN GEOTEXTILE FABRIC, ARE FILLED WITH GRAVEL, LAYERED AND PACKED TIGHTLY.
3. LEAVE ONE SANDBAG GAP IN THE TOP ROW TO PROVIDE A SPILLWAY FOR OVERFLOW.
4. INSPECT BARRIERS AND REMOVE SEDIMENT AFTER EACH STORM EVENT. SEDIMENT AND GRAVEL MUST BE REMOVED FROM THE TRAVELED WAY IMMEDIATELY.

CURB INLET SEDIMENT BARRIER DETAIL

NOT TO SCALE

SAVE DATE: 1/25/24 ~ PLOT DATE: 11/6/24 ~ FILE NAME: J:\ACTIVE JOBS\3610 RBVHS\CIVIL\DRAWING\CONSTRUCTION DOCUMENTS\Track and Field\3610-RBVHS TRACK AND FIELD-C103-EC.dwg

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

WILLIAM J. SUTER
No. RCE 68964
EXP. 12-31-25
Civil

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

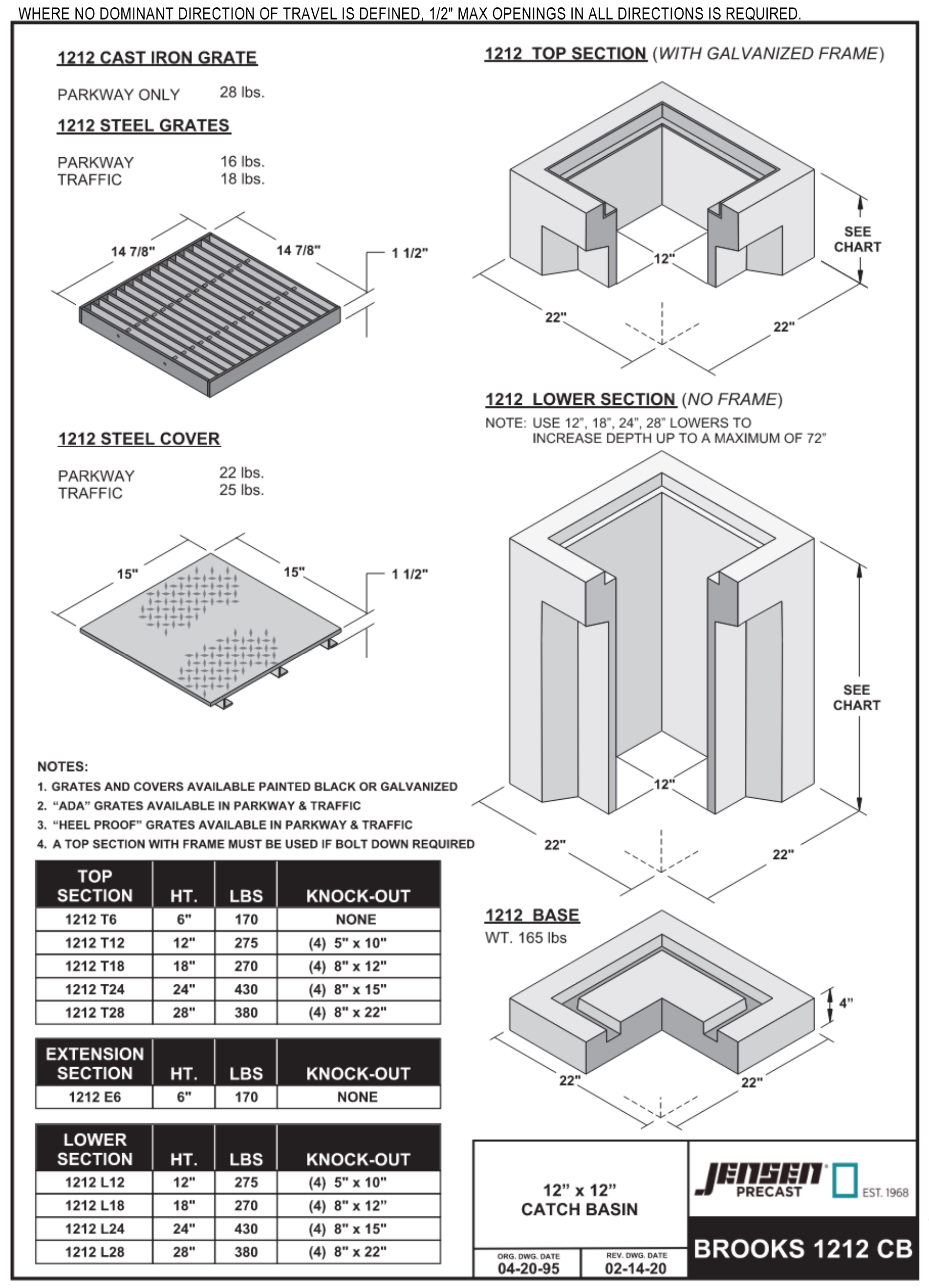
PROJECT NO: #Pln
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln
PLOT DATE:
10/23/2024
SHEET TITLE

EROSION CONTROL PLAN

C-103

T:\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

OPENINGS IN GRATINGS OR STRAINERS LOCATED IN PEDESTRIAN CIRCULATION PATHS OR IN PATH OF TRAVEL SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2 INCH DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3. WHERE NO DOMINANT DIRECTION OF TRAVEL IS DEFINED, 1/2" MAX OPENINGS IN ALL DIRECTIONS IS REQUIRED.



1212 CAST IRON GRATE

PARKWAY ONLY 28 lbs.

1212 STEEL GRATES

PARKWAY 16 lbs.
TRAFFIC 18 lbs.

1212 STEEL COVER

PARKWAY 22 lbs.
TRAFFIC 25 lbs.

1212 TOP SECTION (*WITH GALVANIZED FRAME*)

1212 LOWER SECTION (*NO FRAME*)

NOTE: USE 12", 18", 24", 28" LOWERS TO INCREASE DEPTH UP TO A MAXIMUM OF 72"

1212 BASE

WT. 165 lbs

NOTES:

1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" GRATES AVAILABLE IN PARKWAY & TRAFFIC
3. "HEEL PROOF" GRATES AVAILABLE IN PARKWAY & TRAFFIC
4. A TOP SECTION WITH FRAME MUST BE USED IF BOLT DOWN REQUIRED

TOP SECTION	HT.	LBS	KNOCK-OUT
1212 T6	6"	170	NONE
1212 T12	12"	275	(4) 5" x 10"
1212 T18	18"	270	(4) 8" x 12"
1212 T24	24"	430	(4) 8" x 15"
1212 T28	28"	380	(4) 8" x 22"

EXTENSION SECTION	HT.	LBS	KNOCK-OUT
1212 E6	6"	170	NONE

LOWER SECTION	HT.	LBS	KNOCK-OUT
1212 L12	12"	275	(4) 5" x 10"
1212 L18	18"	270	(4) 8" x 12"
1212 L24	24"	430	(4) 8" x 15"
1212 L28	28"	380	(4) 8" x 22"

12" x 12"
CATCH BASIN

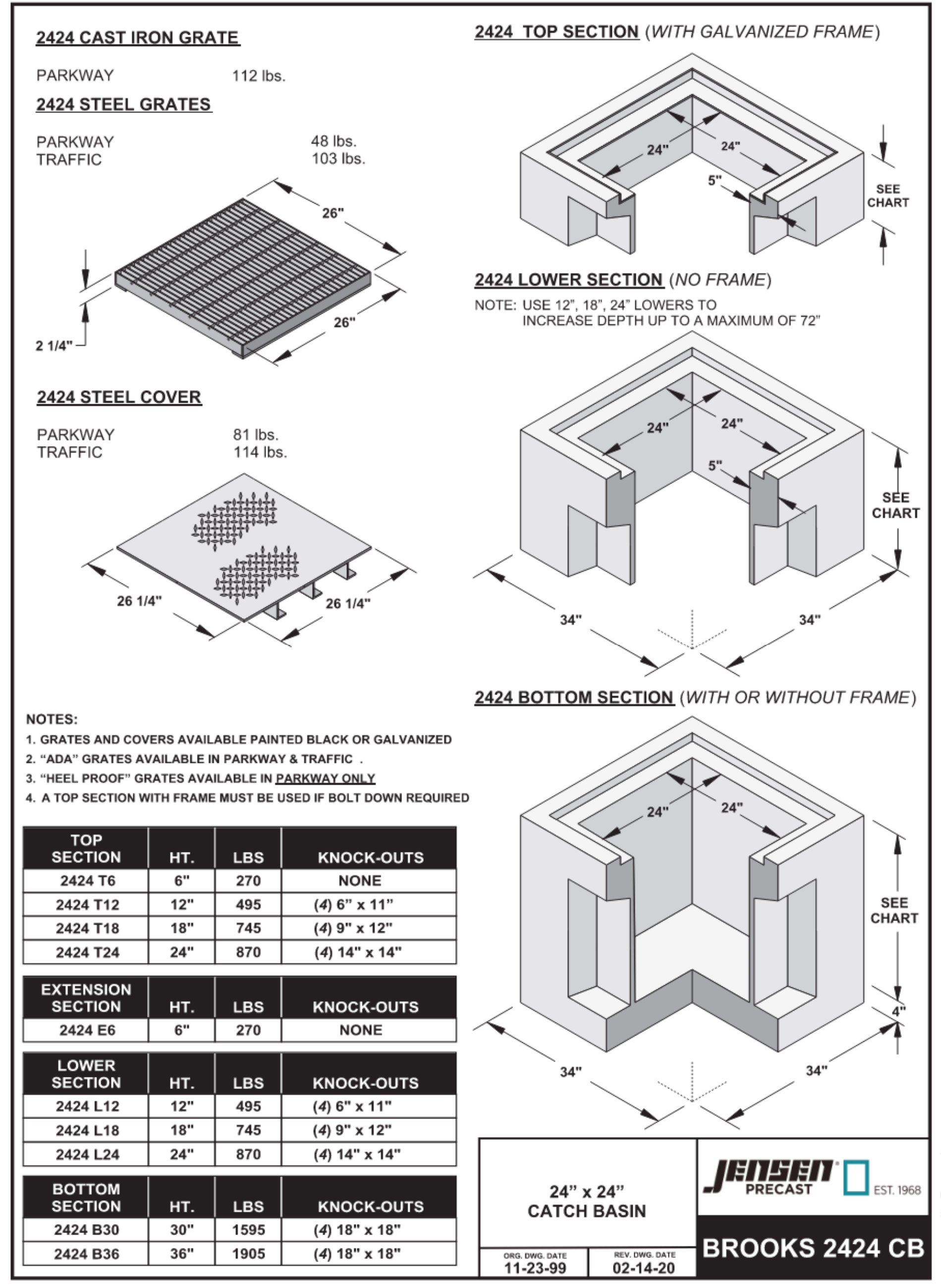
JENSEN PRECAST EST. 1968

ORG. DWG. DATE 04-20-95
REV. DWG. DATE 02-14-20

BROOKS 1212 CB

7-02

OPENINGS IN GRATINGS OR STRAINERS LOCATED IN PEDESTRIAN CIRCULATION PATHS OR IN PATH OF TRAVEL SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2 INCH DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3. WHERE NO DOMINANT DIRECTION OF TRAVEL IS DEFINED, 1/2" MAX OPENINGS IN ALL DIRECTIONS IS REQUIRED.



2424 CAST IRON GRATE

PARKWAY 112 lbs.

2424 STEEL GRATES

PARKWAY 48 lbs.
TRAFFIC 103 lbs.

2424 STEEL COVER

PARKWAY 81 lbs.
TRAFFIC 114 lbs.

2424 TOP SECTION (*WITH GALVANIZED FRAME*)

2424 LOWER SECTION (*NO FRAME*)

NOTE: USE 12", 18", 24" LOWERS TO INCREASE DEPTH UP TO A MAXIMUM OF 72"

2424 BOTTOM SECTION (*WITH OR WITHOUT FRAME*)

NOTES:

1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" GRATES AVAILABLE IN PARKWAY & TRAFFIC .
3. "HEEL PROOF" GRATES AVAILABLE IN PARKWAY ONLY
4. A TOP SECTION WITH FRAME MUST BE USED IF BOLT DOWN REQUIRED

TOP SECTION	HT.	LBS	KNOCK-OUTS
2424 T6	6"	270	NONE
2424 T12	12"	495	(4) 6" x 11"
2424 T18	18"	745	(4) 9" x 12"
2424 T24	24"	870	(4) 14" x 14"

EXTENSION SECTION	HT.	LBS	KNOCK-OUTS
2424 E6	6"	270	NONE

LOWER SECTION	HT.	LBS	KNOCK-OUTS
2424 L12	12"	495	(4) 6" x 11"
2424 L18	18"	745	(4) 9" x 12"
2424 L24	24"	870	(4) 14" x 14"

BOTTOM SECTION	HT.	LBS	KNOCK-OUTS
2424 B30	30"	1595	(4) 18" x 18"
2424 B36	36"	1905	(4) 18" x 18"

24" x 24"
CATCH BASIN

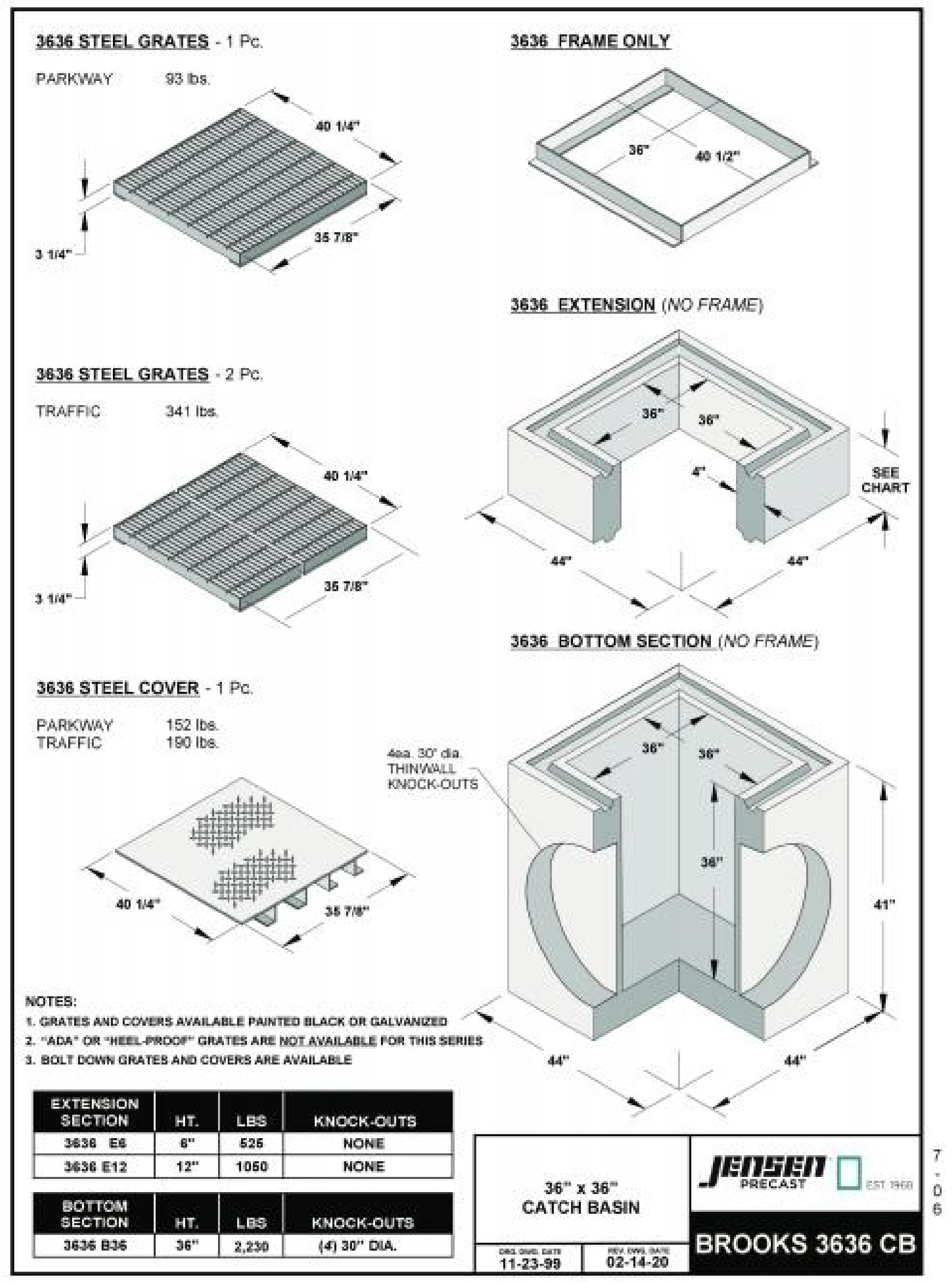
JENSEN PRECAST EST. 1968

ORG. DWG. DATE 11-23-99
REV. DWG. DATE 02-14-20

BROOKS 2424 CB

7-05

OPENINGS IN GRATINGS OR STRAINERS LOCATED IN PEDESTRIAN CIRCULATION PATHS OR IN PATH OF TRAVEL SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2 INCH DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3. WHERE NO DOMINANT DIRECTION OF TRAVEL IS DEFINED, 1/2" MAX OPENINGS IN ALL DIRECTIONS IS REQUIRED.



3636 STEEL GRATES - 1 Pc.

PARKWAY 93 lbs.

3636 STEEL GRATES - 2 Pc.

TRAFFIC 341 lbs.

3636 STEEL COVER - 1 Pc.

PARKWAY 152 lbs.
TRAFFIC 190 lbs.

3636 FRAME ONLY

3636 EXTENSION (*NO FRAME*)

3636 BOTTOM SECTION (*NO FRAME*)

NOTES:

1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" OR "HEEL-PROOF" GRATES ARE NOT AVAILABLE FOR THIS SERIES
3. BOLT DOWN GRATES AND COVERS ARE AVAILABLE

EXTENSION SECTION	HT.	LBS	KNOCK-OUTS
3636 E6	6"	526	NONE
3636 E12	12"	1050	NONE

BOTTOM SECTION	HT.	LBS	KNOCK-OUTS
3636 B36	36"	2,230	(4) 30" DIA.

36" x 36"
CATCH BASIN

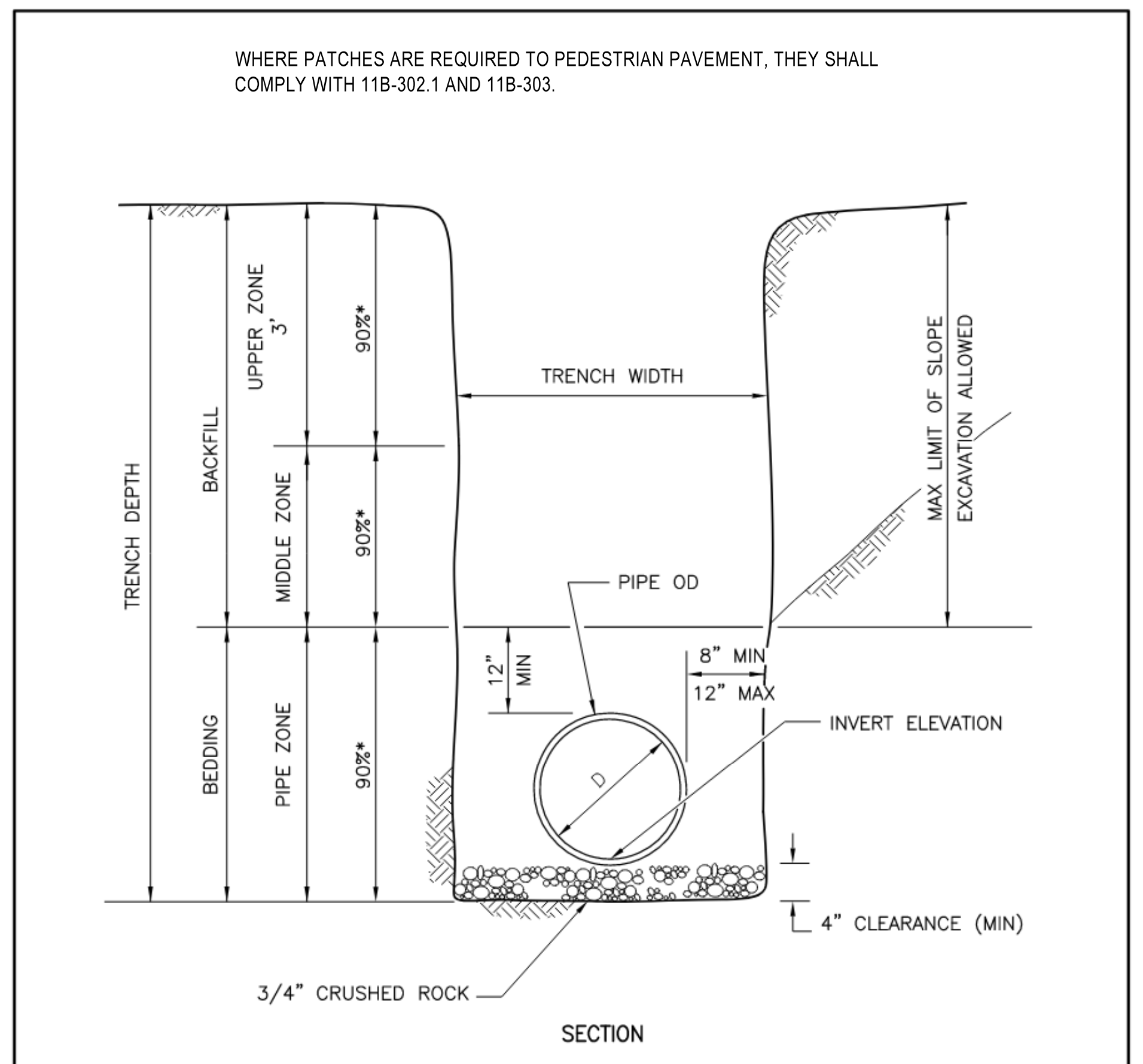
JENSEN PRECAST EST. 1968

ORG. DWG. DATE 11-23-99
REV. DWG. DATE 02-14-20

BROOKS 3636 CB

7-06

WHERE PATCHES ARE REQUIRED TO PEDESTRIAN PAVEMENT, THEY SHALL COMPLY WITH 11B-302.1 AND 11B-303.



SECTION

NOTES

1. SEE G–24A AND G–24B OR G–25 FOR RESURFACING DETAILS ON IMPROVED STREETS.
2. (*) INDICATES MINIMUM RELATIVE COMPACTION.
3. TOP 12" OF TRENCH BACKFILL IN STREET SECTION SHALL BE 95% RELATIVE COMPACTION UNLESS SPECIFIED OTHERWISE.

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Edited	T.R.	T. Regello	10/15
Edited	M.W.	M. Widelski	10/18
Reviewed	RP	S. Engeda	03/22

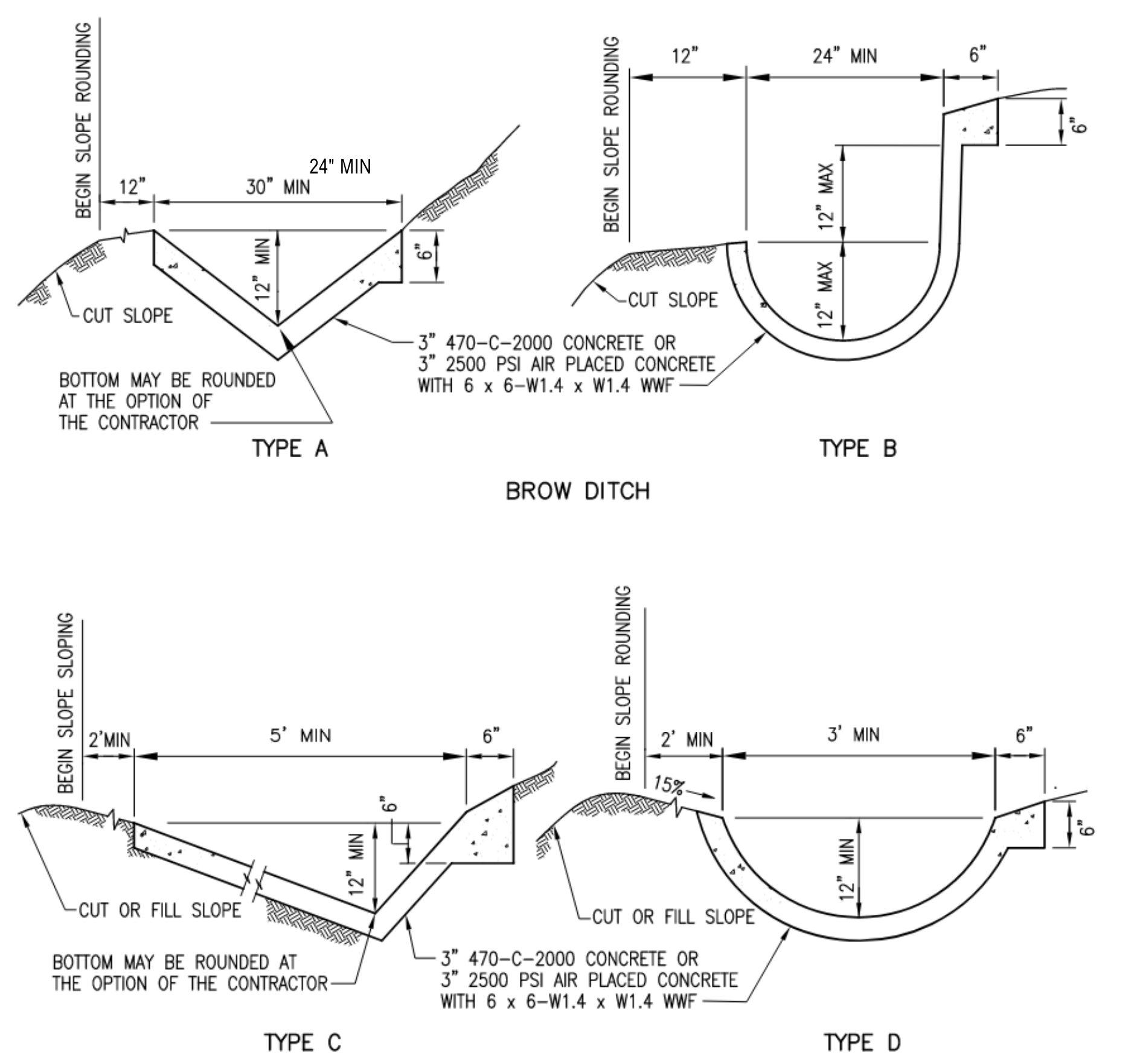
SAN DIEGO REGIONAL STANDARD DRAWING

PIPE BEDDING AND TRENCH BACKFILL FOR STORM DRAINS

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Samson Engeda 03/24/2022
Chairperson R.C.E. 52241 Date

DRAWING NUMBER **D-60**


BEGIN SLOPE ROUNDING
12"
30" MIN
24" MIN
12" MIN
6"
CUT SLOPE
BOTTOM MAY BE ROUNDED AT THE OPTION OF THE CONTRACTOR
3" 470–C–2000 CONCRETE OR 3" 2500 PSI AIR PLACED CONCRETE WITH 6 x 6–W1.4 x W1.4 WWF
TYPE A
BEGIN SLOPE ROUNDING
12"
24" MIN
6"
6"
12" MAX
12" MAX
CUT SLOPE
TYPE B
BEGIN SLOPE SLOPING
2'MIN
5' MIN
6"
6"
12" MIN
CUT OR FILL SLOPE
BOTTOM MAY BE ROUNDED AT THE OPTION OF THE CONTRACTOR
3" 470–C–2000 CONCRETE OR 3" 2500 PSI AIR PLACED CONCRETE WITH 6 x 6–W1.4 x W1.4 WWF
TYPE C
BEGIN SLOPE ROUNDING
2' MIN
3' MIN
6"
15%
12" MIN
6"
CUT OR FILL SLOPE
TYPE D

BROW DITCH

TERRACE DITCH

NOTES

1. LONGITUDINAL SLOPE OF LINED DITCH SHALL BE 2% MINIMUM.
2. USE A 6" THICKENED EDGE ON BOTH SIDES OF THE DRAINAGE DITCH WHEN THE DRAINAGE DITCH IS BUILT DOWN A GRADED SLOPE.

LEGEND ON PLANS

⇒ ⇒ ⇒

Revision	By	Approved	Date
ORIGINAL		Kercheval	12/75
Edited	T.R.	T. Regello	10/15
Edited	M.W.	M. Widelski	10/18
Reviewed	RP	S. Engeda	03/22

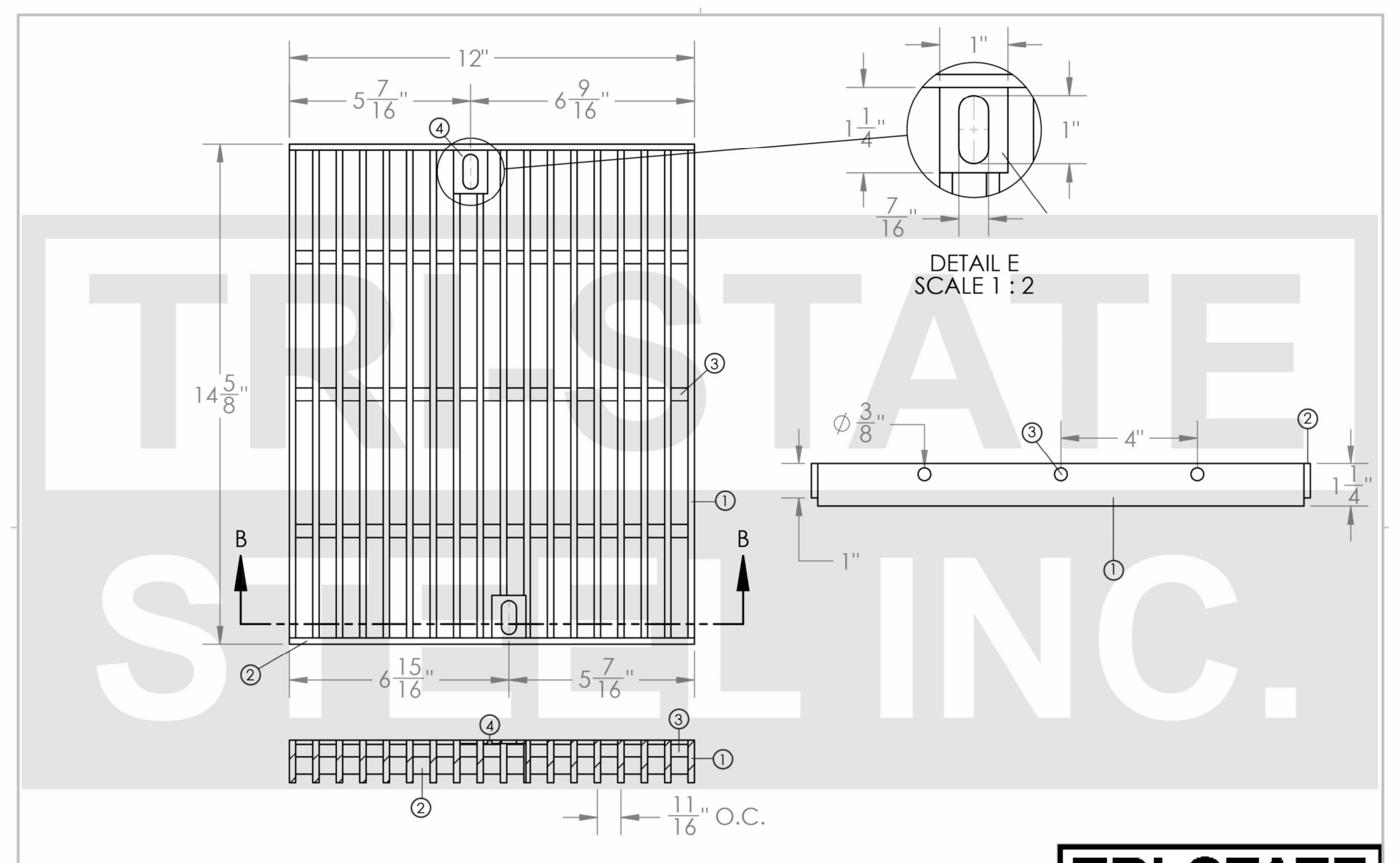
SAN DIEGO REGIONAL STANDARD DRAWING

(MODIFIED)
DRAINAGE DITCHES

RECOMMENDED BY THE SAN DIEGO REGIONAL STANDARDS COMMITTEE

Samson Engeda 03/24/2022
Chairperson R.C.E. 52241 Date

DRAWING NUMBER **D-75**

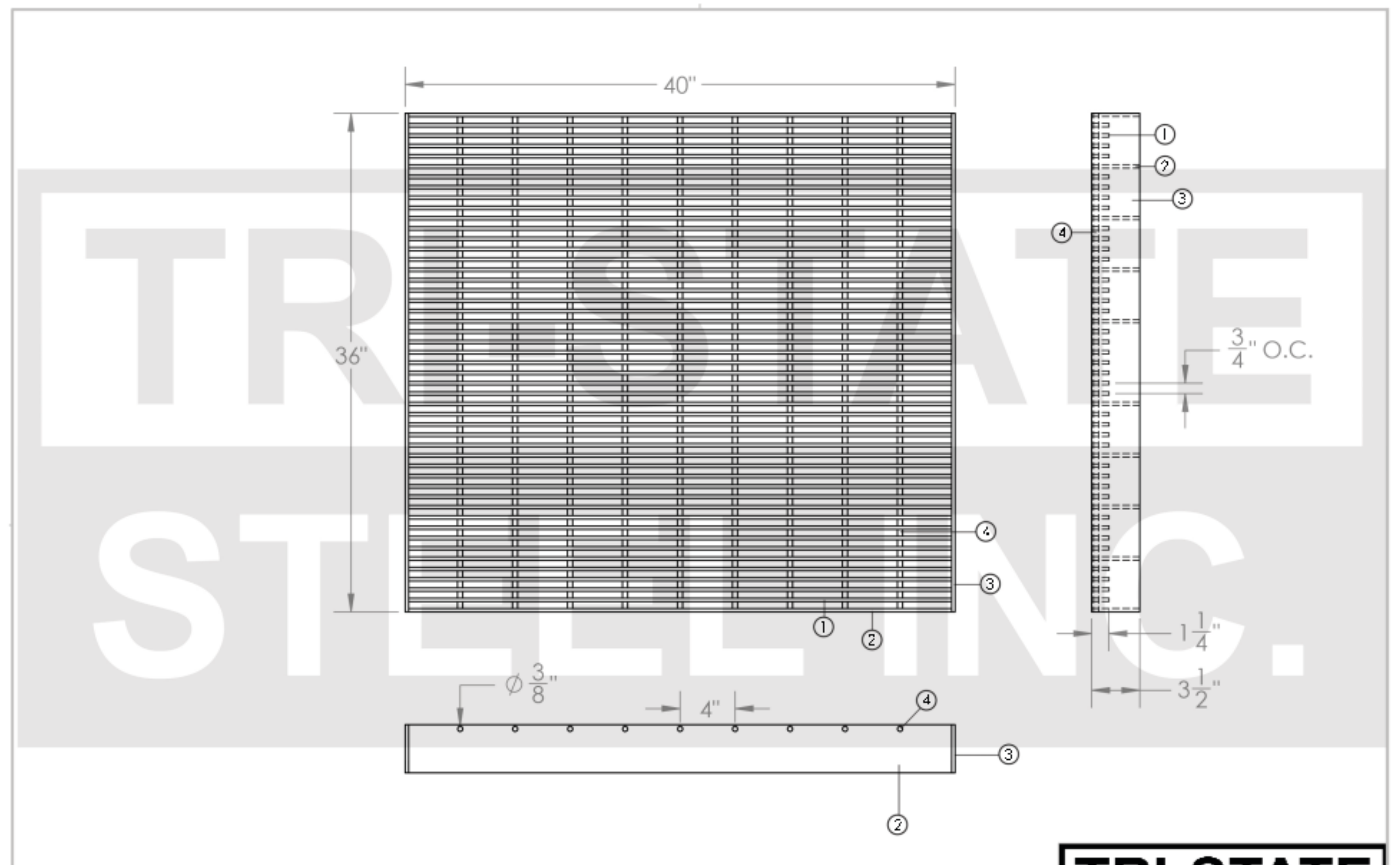


BOM		
MARK	QTY	MATERIAL
1	18	FLAT BAR: 3/16" x 1 1/4" x 14 1/8"
2	2	FLAT BAR: 1/4" x 1" x 12"
3	3	CROSS BAR: 3/8"⌀x 11 9/16"
4	2	BOLT DOWN TABS: 3/16" x 1" x 1 1/4" w/ 7/16" x 1" SLOT

TRI-STATE STEEL INC.

OC 12x12 PED ADA GR

SCALE:1:4 WEIGHT: ± 20 LBS SHEET 1 OF 1

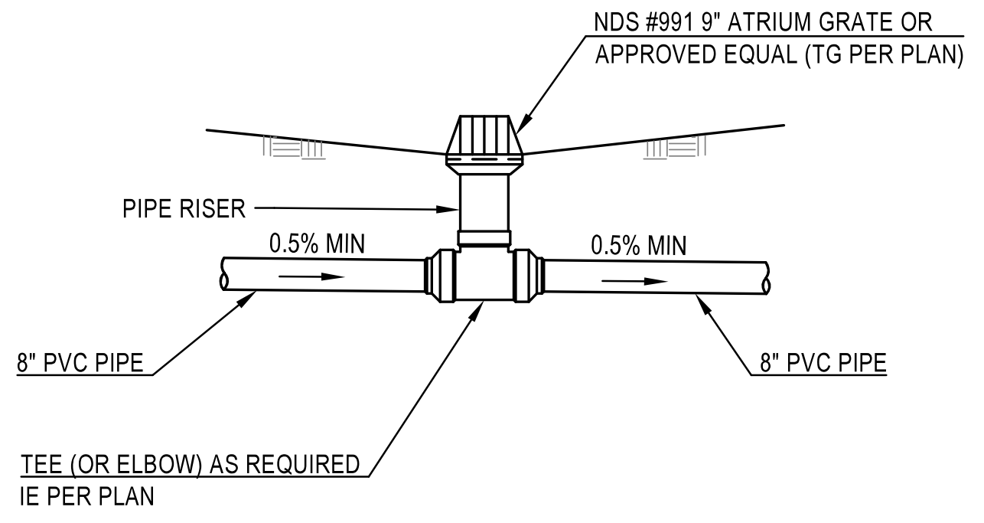


BOM		
MARK	QTY	MATERIAL
1	39	FLAT BAR: 1/4" x 1 1/4" x 39 1/2"
2	10	FLAT BAR: 1/4" x 3 1/2" x 39 1/2"
3	2	FLAT BAR: 1/4" x 3 1/2" x 36"
4	9	CROSS BAR: 3/8"⌀x 35 7/16"

TRI-STATE STEEL INC.

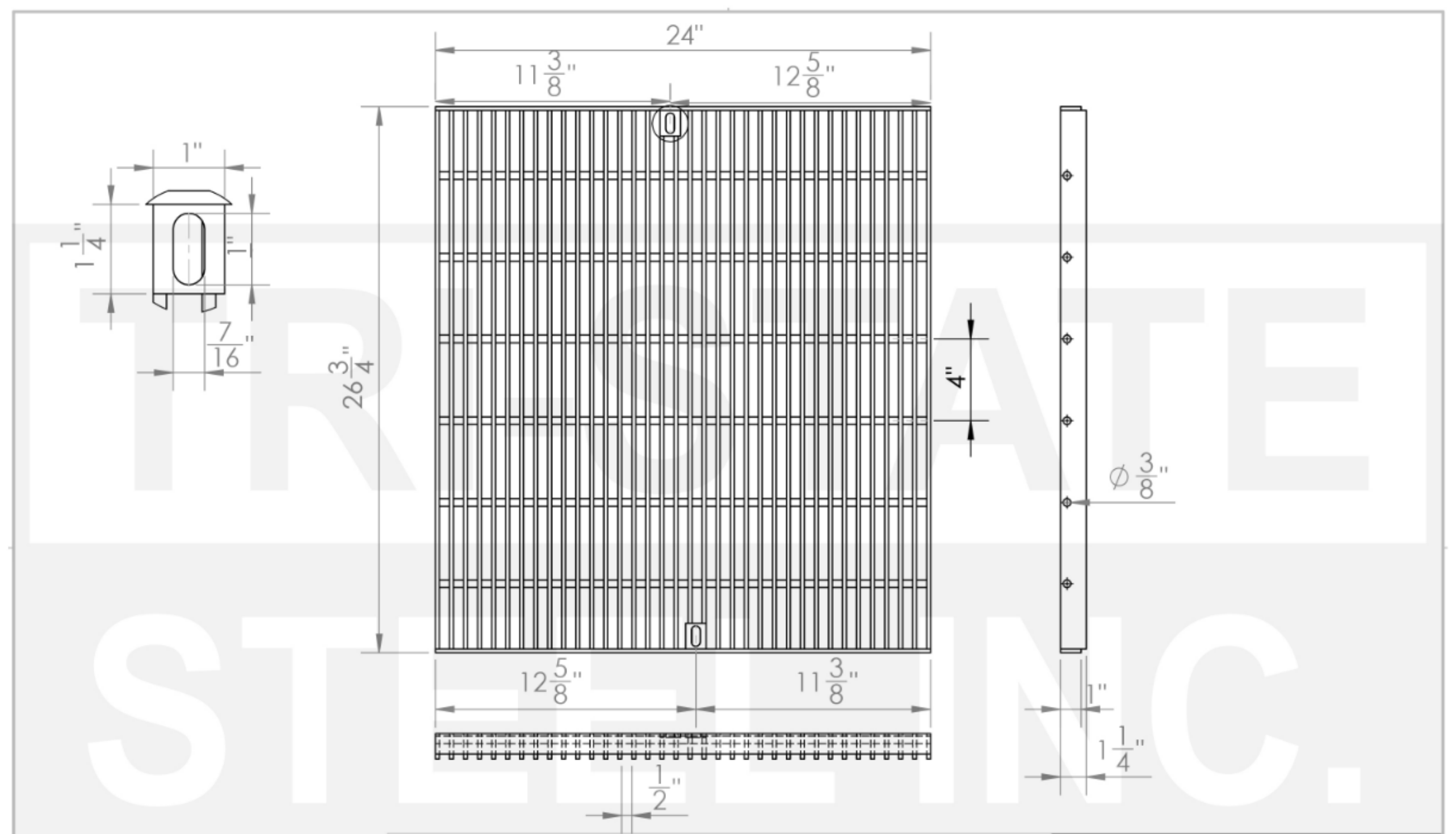
OC 36x36 ADA TRAF GR

SCALE:1:10 WEIGHT: ± 263 LBS SHEET 1 OF 1


NDS #991 9" ATRIUM GRATE OR APPROVED EQUAL (TG PER PLAN)
PIPE RISER
0.5% MIN
0.5% MIN
8" PVC PIPE
8" PVC PIPE
TEE (OR ELBOW) AS REQUIRED IE PER PLAN

9" ATRIUM GRATE

SCALE: NTS

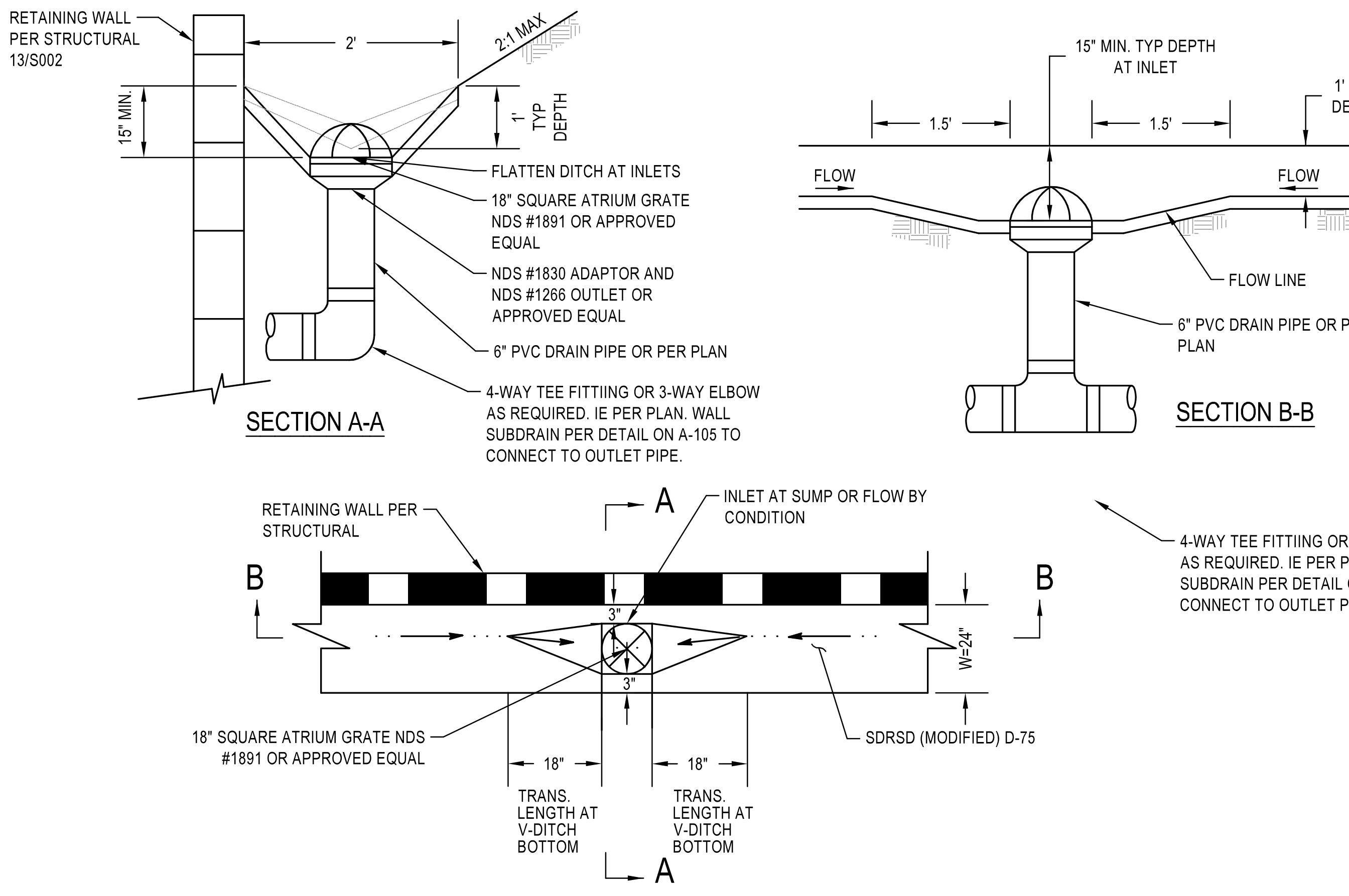


BOM		
MARK	QTY	MATERIAL
1	36	FLAT BAR: 3/16" x 1 1/4" x 26 3/8"
2	2	FLAT BAR: 3/16" x 1" x 24"
3	6	CROSSBAR: 3/8" x 24"
4	2	BOLT TABS: 3/16" x 1" x 1 1/4" w/ 7/16" x 1" SLOT
5		

TRI-STATE STEEL INC.

24x24 PED ADA G

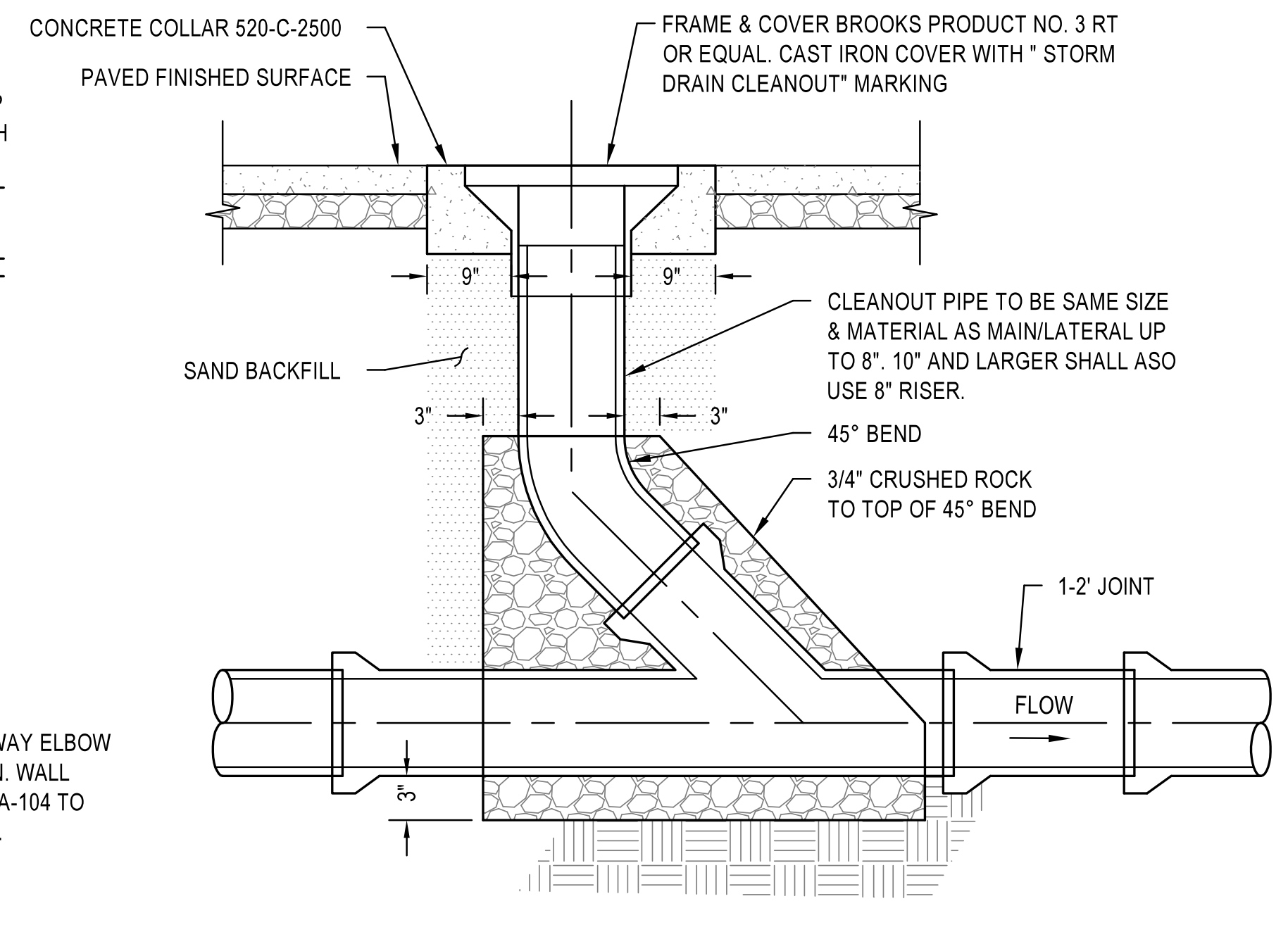
SCALE: 1:7 WEIGHT: SHEET 1 OF 1


RETAINING WALL PER STRUCTURAL 13/S002
2'
2:1 MAX
15" MIN.
1' TYP DEPTH
FLATTEN DITCH AT INLETS
18" SQUARE ATRIUM GRATE NDS #1891 OR APPROVED EQUAL
NDS #1830 ADAPTOR AND NDS #1266 OUTLET OR APPROVED EQUAL
6" PVC DRAIN PIPE OR PER PLAN
4-WAY TEE FITTIING OR 3-WAY ELBOW AS REQUIRED. IE PER PLAN. WALL SUBDRAIN PER DETAIL ON A-105 TO CONNECT TO OUTLET PIPE.
SECTION A-A
15" MIN. TYP DEPTH AT INLET
1.5'
1.5'
1' TYP DEPTH
FLOW
FLOW
FLOW LINE
6" PVC DRAIN PIPE OR PER PLAN
SECTION B-B
RETAINING WALL PER STRUCTURAL
A
INLET AT SUMP OR FLOW BY CONDITION
B
B
3"
3"
W=24"
18" SQUARE ATRIUM GRATE NDS #1891 OR APPROVED EQUAL
SDRSD (MODIFIED) D-75
18"
18"
TRANS. LENGTH AT V-DITCH BOTTOM
TRANS. LENGTH AT V-DITCH BOTTOM
A
4-WAY TEE FITTIING OR 3-WAY ELBOW AS REQUIRED. IE PER PLAN. WALL SUBDRAIN PER DETAIL ON A-104 TO CONNECT TO OUTLET PIPE.

PLAN VIEW

INLET AT V-DITCH

NTS


CONCRETE COLLAR 520-C-2500
PAVED FINISHED SURFACE
FRAME & COVER BROOKS PRODUCT NO. 3 RT OR EQUAL. CAST IRON COVER WITH " STORM DRAIN CLEANOUT" MARKING
9"
9"
SAND BACKFILL
CLEANOUT PIPE TO BE SAME SIZE & MATERIAL AS MAIN/LATERAL UP TO 8". 10" AND LARGER SHALL ASO USE 8" RISER.
3"
3"
45° BEND
3/4" CRUSHED ROCK TO TOP OF 45° BEND
1-2' JOINT
FLOW
3"

STORM DRAIN CLEANOUT

SCALE: NTS

DIGALERT

DIAL TOLL FREE
1-800-422-4133
AT LEAST TWO DAYS
BEFORE YOU DIG

UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

WILLIAM J. SUHER
No. RCE 68964
EXP. 12–31–25
Civil

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: #Pln

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10/23/2024

SHEET TITLE

DETAILS

C-104

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

CODE/EXIT ANALYSIS

MERCANTILE 1,156 / 60 = 19
STORAGE 512 / 300 = 2
21

SNACK BARS: 21
HOME BLEACHERS (A-5): 3,427 SEATS PER A#04-104972
VISITOR BLEACHERS (A-5): 2,195 SEATS PER A#04-104972
TOTAL OCCUPANTS: 5,643

REQUIRED EXIT DOOR WIDTH: 720 (0.2) = 144 IN.
TOTAL 6'-0" WIDE DOUBLE LEAF EXIT GATE WIDTH: 2 GATES x 72" = 144"
TOTAL EXIT DOOR WIDTH: 144 IN.

144 / 0.2 = 720
5,643 - 720 = 4,923
SAFE DISPERSAL AREA REQUIRED: 4,923 OCC x 5 SF = 24,615 SF
24,635 SF PROVIDED

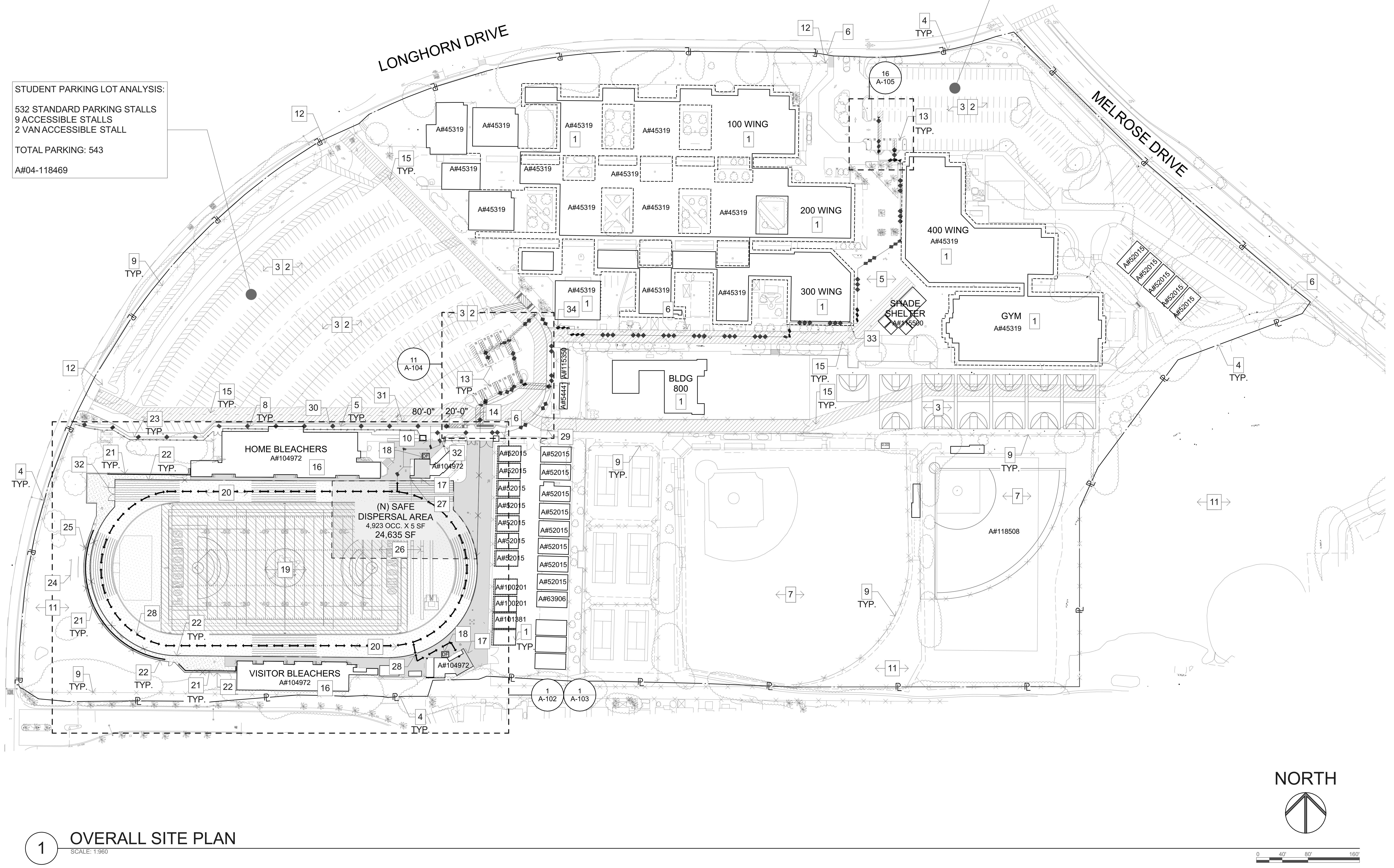
4,923 OCC x 5% = 247 OCCUPANTS
5'-0" x 5'-0" ACCESSIBLE AREA PER ADA OCC REQUIRED: 1,235 SF
9,813 SF PROVIDED

STAFF & VISITOR PARKING LOT ANALYSIS:

123 STANDARD PARKING STALLS
4 ACCESSIBLE STALLS
1 VAN ACCESSIBLE STALL

TOTAL PARKING: 128

A#04-114176



STUDENT PARKING LOT ANALYSIS:

532 STANDARD PARKING STALLS
9 ACCESSIBLE STALLS
2 VAN ACCESSIBLE STALL

TOTAL PARKING: 543

A#04-118469

1 OVERALL SITE PLAN

SCALE: 1:960

NOTES

1. EXISTING BUILDING TO REMAIN - N.I.C.
2. EXISTING STANDARD PARKING STALLS TO REMAIN.
3. EXISTING AC PAVING TO REMAIN.
4. EXISTING PROPERTY LINE.
5. EXISTING CONCRETE PAVING TO REMAIN.
6. EXISTING FIRE HYDRANT TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
7. EXISTING SPORTS FIELD TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
8. EXISTING ACCESSIBLE PATH OF TRAVEL PER DSA APPROVED A#04-104972 & A#04-114914.
9. EXISTING CHAIN-LINK FENCE TO REMAIN.
10. EXISTING STEEL FENCE TO REMAIN.
11. EXISTING LANDSCAPE AREA TO REMAIN.
12. EXISTING PARKING LOT ENTRANCE "TOW-AWAY" SIGNAGE TO REMAIN PER DETAIL 1/A-108 AND DSA APPROVED A#04-104972 & A#04-115500.
13. EXISTING ACCESSIBLE PARKING STALLS TO REMAIN PER DSA APPROVED A#04-118508.
14. EXISTING ACCESSIBLE DROP OFF TO REMAIN PER DSA APPROVED A#04-118508.
15. LOCATION OF EXISTING FIRE ACCESS LANE, 20'-0" MIN. WIDE EXISTING CURB/PAVEMENT PAINTED RED WITH WHITE LETTERING WHICH READS: "NO PARKING - FIRE LANE" PER DSA APPROVED A#04-114126.
16. EXISTING BLEACHERS TO REMAIN - N.I.C.
17. LOCATION OF EXISTING ACCESSIBLE MENS/WOMENS RESTROOMS PER DSA APPROVED A#04-104972 .
18. LOCATION OF EXISTING ACCESSIBLE DRINKING FOUNTAIN PER DSA APPROVED A#04-104972 .
19. NEW ALTERNATING GREEN INFILLED SYNTHETIC TURF FIELD WITH FOOTBALL (160'X360'), SOCCER (195'X351'), UNIFIED LACROSSE (180'X360'), FIELD HOCKEY (180'X300') AND FLAG FOOTBALL (120'X330' W/ CONES). REFER TO LANDSCAPE DRAWINGS.
20. NEW 9-42" LANE 400M RUBBERIZED RUNNING TRACK WITH NEW STRAIGHT-AWAY ON HOME SIDE. REFER TO LANDSCAPE DRAWINGS.
21. NEW RETAINING WALL WITH CONCRETE SWALE PER DETAIL 11/A-105 . REFER TO STRUCTURAL DRAWINGS.
22. NEW 4'-0" HIGH CHAIN LINK FENCING PER DETAIL 1/A-106 .
23. NEW 8'-0" HIGH STEEL FENCING. REFER TO DETAIL 11/A-106 .
24. EXISTING SCOREBOARD TO REMAIN.
25. NEW LIGHT POLE PER ELECTRICAL DRAWINGS.
26. NEW SAFE DISPERSAL AREA. EGRESS PATH MEETS 1 FOOTCANDLE ILLUMINATION REQUIREMENT PER CBC 1008.2.3.
27. NEW SAFE DISPERSAL AREA SIGNAGE PER DETAIL 2/A-108 .
28. PROPOSED PATH OF TRAVEL.
29. NOT USED.
30. EXISTING RED PAINTED CURB TO REMAIN.
31. DESIGNATED DROP OFF AREA.
32. EXISTING STEEL PEDESTRIAN GATES TO REMAIN. REFER TO ENLARGED GATE PLAN 3/A-107 .
33. EXISTING 3'-0" WIDE PEDESTRIAN GATE TO REMAIN. LINK TO DSA APPROVED A#04-120749.
34. EXISTING 3'-0" WIDE PEDESTRIAN GATE REMAIN PER DSA APPROVED A#04-114126. REFER TO ENLARGED GATE PLAN 4/A-107 .

GENERAL NOTES

1. ALL LANDSCAPE AREAS, PAVING, AND SURFACING DISTURBED BY THE WORK OF THIS CONTRACT SHALL BE REPAIRED AND/OR REPLACED BY THE CONTRACTOR TO ORIGINAL INDUSTRY STANDARD OF QUALITY.
2. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES, INCLUDING BUT NOT LIMITED TO ELECTRICAL, SIGNAL, PLUMBING, ETC. THE CONTRACTOR SHALL PROTECT AND MAINTAIN EXISTING UTILITIES DURING CONSTRUCTION AND/OR TRENCHING. REFER TO ELECTRICAL PLANS FOR UNDERGROUND UTILITIES REQUIRED TO BE PROTECTED IN PLACE DURING CONSTRUCTION.
3. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL TEST IRRIGATION SYSTEMS. THE EXISTING IRRIGATION SYSTEM SHALL BE MODIFIED TO ACCOMODATE THE SCOPE OF THE WORK. THE IRRIGATION MODIFICATIONS SHALL BE SUBMITTED FOR REVIEW AND APPROVAL BY THE ARCHITECT AND SCHOOL DISTRICT PRIOR TO START OF WORK. IRRIGATION SHALL BE MODIFIED TO LIMIT OVERSPRAY ONTO ADJACENT SURFACES, AS WELL AS PROVIDE FULL COVERAGE IN LANDSCAPE AREAS.

SITE ACCESSIBILITY NOTES

1. DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL WHICH SHALL BE A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX SLOPE OR VERTICAL LEVEL CHANGED NOT EXCEEDING 1/4" MAX 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 GRATER THAN 4 " PROJECTION FROM THE WALL AND ABOVE 27" AND LESS THAN 80" PER CBC 11B-202.4.

   SEE: (E) PER DSA APPROVED

   A#04-114914 —◆—◆—◆—
   A#04-118508 —◆◆—◆◆—◆◆—
   A#04-114175 —◆◆◆—◆◆◆—◆◆◆—
   (N) ⟷ ⟷ ⟷ ⟷ ⟷

2. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

   THE PATH OF TRAVEL (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 HAVE BEEN IDENTIFIED AND, THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT 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 FINIDNG OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

   DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGH INTO COMPLIANCE BY MEANS OF A CONSTRUCTION CHANGE CHANGE DOCUMENT (CCD).

3. OPENINGS IN GRATINGS OR STRAINERS LOCATED IN PEDESTRIAN CIRCULATION PATHS OR IN P.O.T. SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3 .

4. GATES AT THE PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS.

5. MANUAL CANE BOLTS, MANUALLY LOCKING HARDWARE, CHAINS, ETC. ARE NOT ALLOWED ON GATES WITH PANIC HARDWARE.

6. BOLTS IN FENCES AND GATES ADJACENT TO PATH OF TRAVEL SHALL NOT EXTEND MORE THAN 3 THREADS BEYOND NUT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

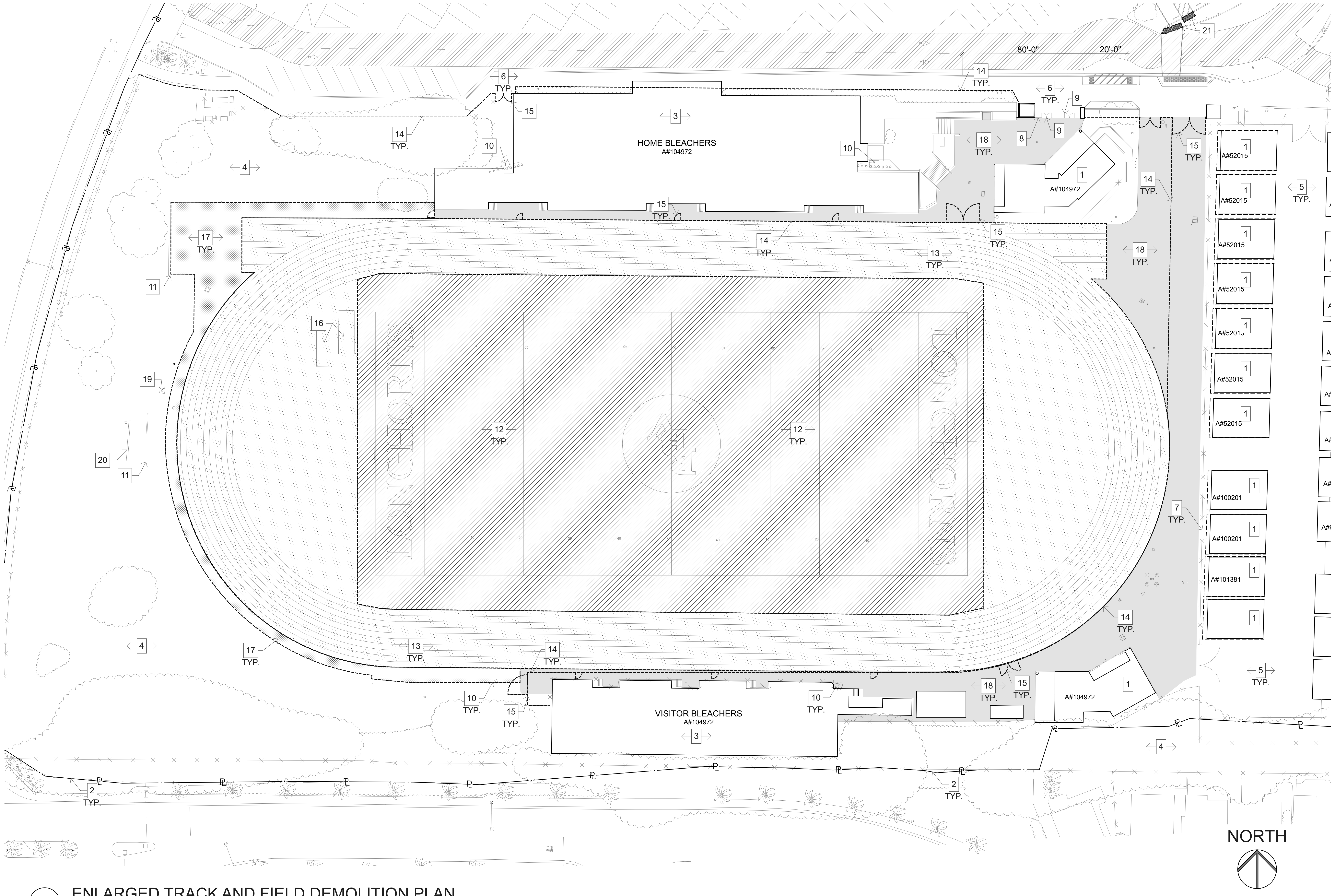
PLOT DATE:
12/12/2024

SHEET TITLE

OVERALL SITE PLAN

A-101

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln



1 ENLARGED TRACK AND FIELD DEMOLITION PLAN

SCALE: 1" = 30'

0 30' 60'

DEMO LEGEND

TYPES	SYMBOLS	DESCRIPTIONS
1.	■	GRIND, ASPHALT SLURRY COAT AND SEAL OVER EXISTING AC PAVING
2.	░	DEMOLISH EXISTING SYNTHETIC TRACK SURFACE
3.	▨	DEMOLISH EXISTING SYNTHETIC TURF
4.	░	DEMOLISH LANDSCAPE AREA

NOTES

1. EXISTING BUILDING TO REMAIN - N.I.C.
2. EXISTING PROPERTY LINE.
3. EXISTING BLEACHERS TO REMAIN - N.I.C.
4. EXISTING LANDSCAPE TO REMAIN.
5. EXISTING AC PAVING TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
6. EXISTING CONCRETE PAVING TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
7. EXISTING CHAIN LINK FENCE TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
8. EXISTING STEEL FENCE TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
9. EXISTING STEEL GATE TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
10. EXISTING LIGHT POLE TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
11. EXISTING RETAINING WALL TO REMAIN. PROTECT IN PLACE DURING CONSTRUCTION.
12. HATCH INDICATES DEMO AND REMOVAL OF EXISTING ARTIFICIAL TURF FIELD. REFER TO DEMO LEGEND.
13. HATCH INDICATES DEMO AND REMOVAL OF EXISTING SYNTHETIC TRACK. REFER TO DEMO LEGEND.
14. DEMO AND REMOVE EXISTING CHAIN LINK FENCING.
15. DEMO AND REMOVE EXISTING CHAIN LINK GATE.
16. DEMO AND REMOVE EXISTING SPORTS AREA. REFER TO LANDSCAPE DRAWINGS.
17. HATCH INDICATES DEMO AND REMOVAL OF EXISTING LANDSCAPE. REFER TO DEMO LEGEND.
18. APPROXIMATE LOCATION OF GRIND, SLURRY COAT AND SEAL OVER EXISTING AC PAVING. REFER TO DEMO LEGEND. REFER TO SPECIFICATIONS AND CIVIL DRAWINGS.
19. DEMO AND REMOVE EXISTING LIGHT POLE.
20. EXISTING SCOREBOARD TO REMAIN.
21. EXISTING TRUNCATED DOMES TO BE REMOVED. REFER TO ENLARGED PARKING PLAN 11/A-104 .

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

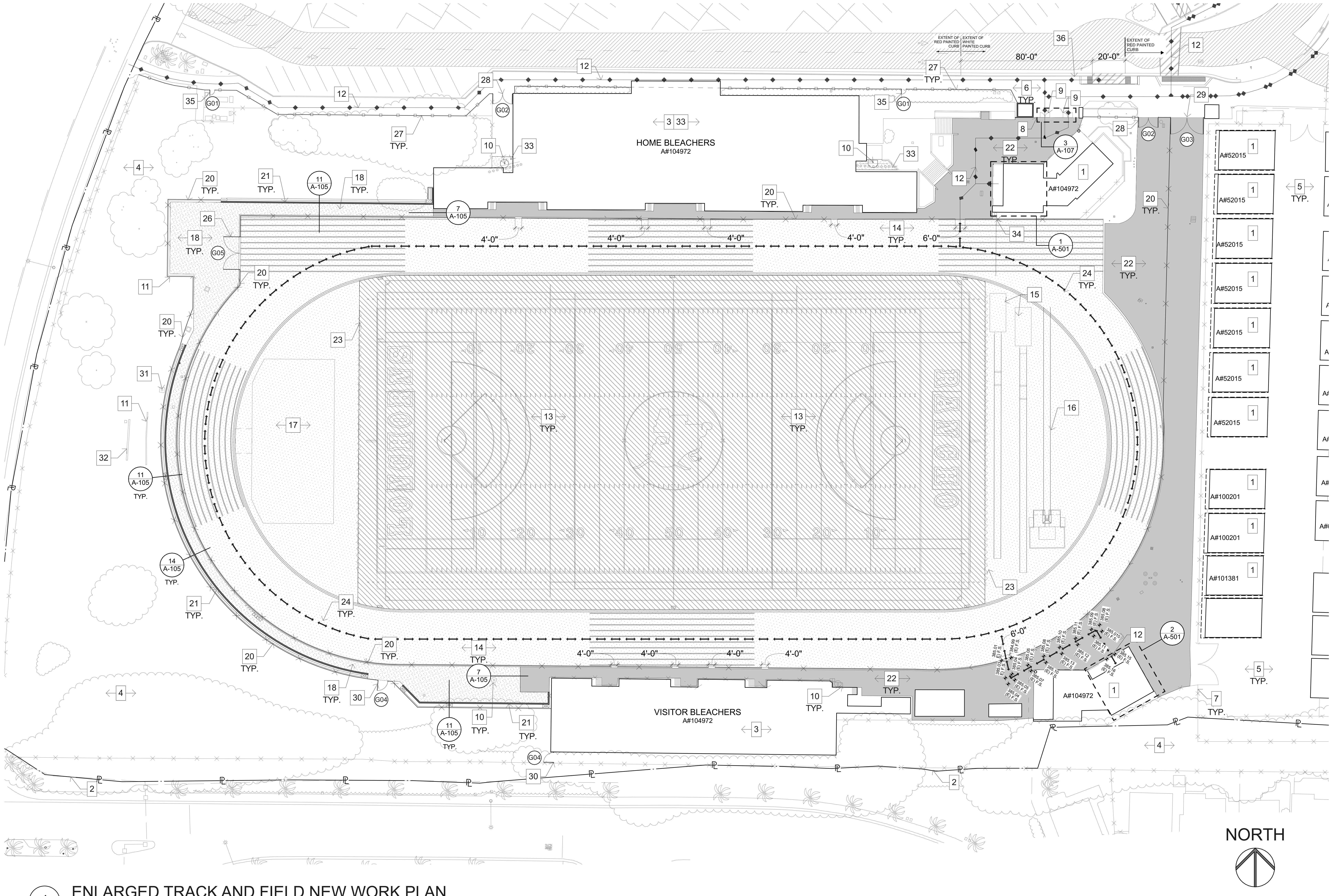
PLOT DATE:
12/12/2024

SHEET TITLE

ENLARGED SITE DEMOLITION PLAN

A-102

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln



1 ENLARGED TRACK AND FIELD NEW WORK PLAN

SCALE: 1" = 30'

0 30' 60'

NEW WORK LEGEND

TYPES	SYMBOLS	DESCRIPTIONS
1.	■	ASPHALT SLURRY SEAL COAT
2.	░	NEW RUBBERIZED TRACK
3.	▨	NEW ALTERNATING GREEN INFILLED SYNTHETIC TURF
4.	░	NEW 5" CONCRETE PAVING WITH 6" AGGREGATE BASE

NOTES

1. EXISTING BUILDING TO REMAIN - N.I.C.
2. EXISTING PROPERTY LINE.
3. EXISTING BLEACHERS TO REMAIN - N.I.C.
4. EXISTING LANDSCAPE TO REMAIN.
5. EXISTING AC PAVING TO REMAIN.
6. EXISTING CONCRETE PAVING TO REMAIN.
7. EXISTING CHAIN LINK FENCE TO REMAIN.
8. EXISTING STEEL FENCE TO REMAIN.
9. EXISTING STEEL GATE TO REMAIN. REFER TO ENLARGED GATE PLAN 3/A-107 .
10. EXISTING LIGHT POLE TO REMAIN.
11. EXISTING RETAINING WALL TO REMAIN.
12. EXISTING ACCESSIBLE PATH OF TRAVEL PER DSA APPROVED A#04-104972 & A#04-114914 .
13. NEW ALTERNATING GREEN INFILLED SYNTHETIC TURF FIELD WITH FOOTBALL (160'X360'), SOCCER (195'X351'), UNIFIED LACROSSE (180'X360'), FIELD HOCKEY (180'X300') AND FLAG FOOTBALL (120'X330' W/ CONES). REFER TO LANDSCAPE DRAWINGS.
14. NEW 9-42" LANE 400M RUBBERIZED RUNNING TRACK WITH NEW STRAIGHT-AWAY ON HOME SIDE. REFER TO LANDSCAPE DRAWINGS.
15. NEW LONG/TRIPLE JUMP AREA WITH SAND CATCHERS. REFER TO LANDSCAPE DRAWINGS.
16. NEW POLE VAULT AREA. REFER TO LANDSCAPE DRAWINGS.
17. NEW HIGH JUMP AREA. REFER TO LANDSCAPE DRAWINGS.
18. NEW 5" CONCRETE PAVING WITH 6" AGGREGATE BASE PER DETAIL 3/A-105 .
19. NOT USED.
20. NEW 4'-0" HIGH CHAIN LINK FENCING PER DETAIL 1/A-106 .
21. NEW RETAINING WALL WITH CONCRETE SWALE. REFER TO DETAIL 11/A-105 . REFER TO STRUCTURAL DRAWINGS.
22. APPROXIMATE LOCATION OF NEW ASPHALT SLURRY COAT AND SEAL OVER EXISTING AC PAVING. REFER TO NEW WORK LEGEND. REFER TO SPECIFICATIONS AND CIVIL DRAWINGS.
23. NEW BALL CONTROL NETTING. REFER LANDSCAPE DRAWINGS.
24. PROPOSED PATH OF TRAVEL.
25. NOT USED.
26. NEW 4'-0" HIGH AND 20'-0" WIDE CHAIN LINK MAINTENANCE GATE PER DETAIL 4/A-106 .
27. NEW 8'-0" HIGH STEEL FENCING PER DETAIL 14/A-106 .
28. NEW 8'-0" HIGH AND 12'-0" WIDE STEEL MAINTENANCE GATE PER DETAIL 9/A-106 .
29. NEW 8'-0" HIGH AND 20'-0" WIDE STEEL VEHICULAR GATE PER DETAIL 3/A-106 .
30. NEW 4'-0" HIGH AND 6'-0" WIDE CHAIN LINK MAINTENANCE GATE PER DETAIL 12/A-106 .
31. NEW LIGHT POLE PER ELECTRICAL DRAWINGS.
32. EXISTING SCOREBOARD TO REMAIN.
33. NEW SHOTCRETE UNDER BLEACHERS PER DETAIL 2/A-105 . CONTRACTOR TO ADDRESS GRADE DURING CONSTRUCTION.
34. NEW SAFE DISPERSAL AREA SIGNAGE PER DETAIL 2/A-108 .
35. NEW 8'-0" HIGH AND 3'-0" WIDE STEEL MAINTENANCE GATE. REFER TO GATE SCHEDULE A-901 AND DETAIL 13/A-106 .
36. EXISTING CURB TO BE PAINTED WHITE FOR 80'-0" LINEAR FEET.

SITE ACCESSIBILITY NOTES

1. DASHED LINE INDICATES ACCESSIBLE PATH OF TRAVEL WHICH SHALL BE A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX SLOPE OR VERTICAL LEVEL CHANGED NOT EXCEEDING 1/4" MAX 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 GRATER THAN 4 " PROJECTION FROM THE WALL AND ABOVE 27" AND LESS THAN 80" PER CBC 11B-202.4.

   SEE: (E) PER DSA APPROVED

A#04-114914	—◆——◆——◆——◆——◆——◆—
A#04-118508	—◆◆——◆◆——◆◆——◆◆——◆◆——◆◆—
A#04-114175	—◆◆◆——◆◆◆——◆◆◆——◆◆◆——◆◆◆——◆◆◆
(N)	⟷ ⟷ ⟷ ⟷ ⟷

2. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT

   THE PATH OF TRAVEL (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 HAVE BEEN IDENTIFIED AND, THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT 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 FINIDNG OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

   DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS COMPLIANT ARE FOUND TO BE NON-CONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGH INTO COMPLIANCE BY MEANS OF A CONSTRUCTION CHANGE CHANGE DOCUMENT (CCD).

3. OPENINGS IN GRATINGS OR STRAINERS LOCATED IN PEDESTRIAN CIRCULATION PATHS OR IN P.O.T. SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 1/2" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3 .

4. GATES AT THE PATH OF TRAVEL SHALL COMPLY WITH EXIT DOOR REQUIREMENTS.

5. MANUAL CANE BOLTS, MANUALLY LOCKING HARDWARE, CHAINS, ETC. ARE NOT ALLOWED ON GATES WITH PANIC HARDWARE.

6. BOLTS IN FENCES AND GATES ADJACENT TO PATH OF TRAVEL SHALL NOT EXTEND MORE THAN 3 THREADS BEYOND NUT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/13/2024

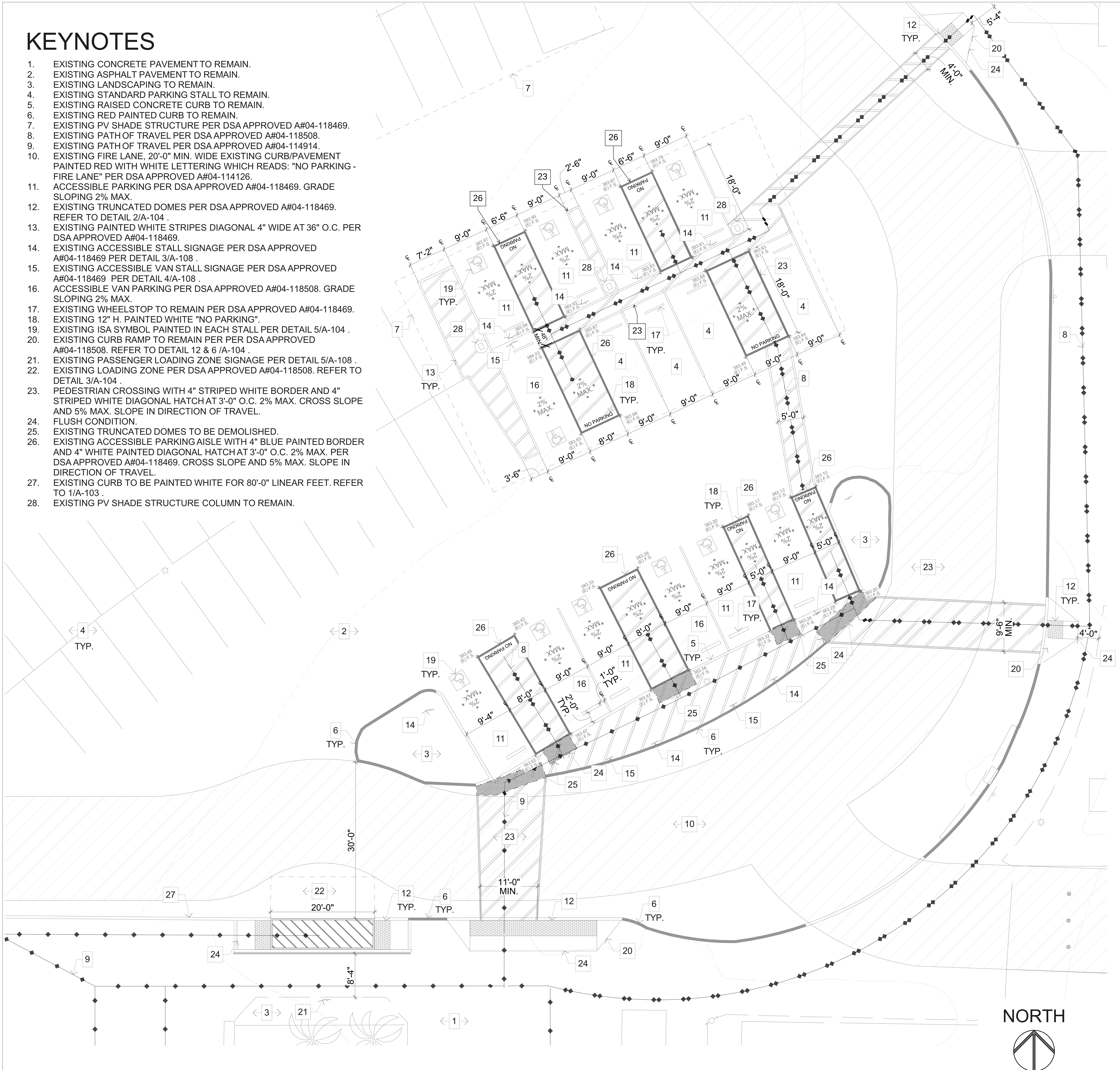
SHEET TITLE

ENLARGED SITE NEW WORK PLAN

A-103

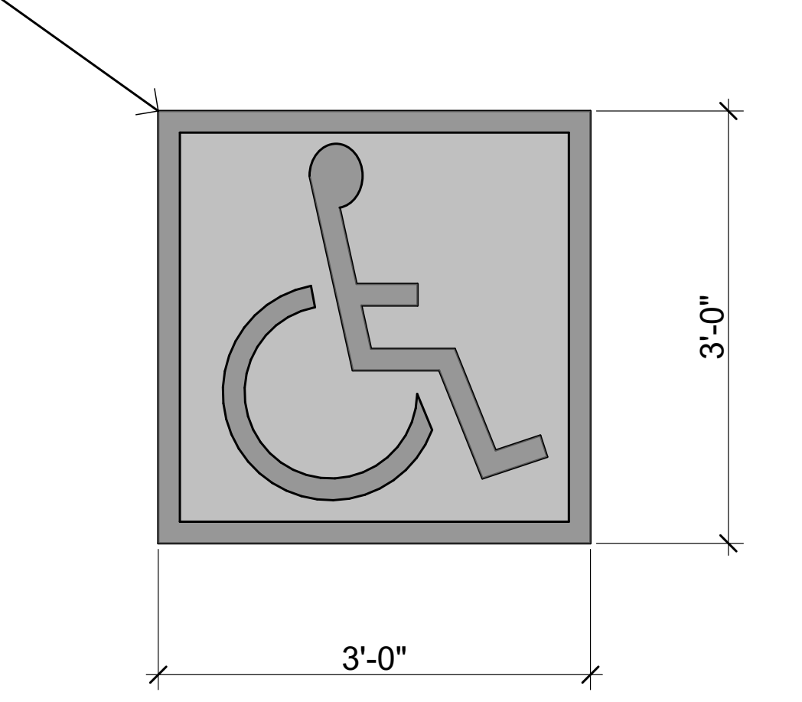
KEYNOTES

1. EXISTING CONCRETE PAVEMENT TO REMAIN.
2. EXISTING ASPHALT PAVEMENT TO REMAIN.
3. EXISTING LANDSCAPING TO REMAIN.
4. EXISTING STANDARD PARKING STALL TO REMAIN.
5. EXISTING RAISED CONCRETE CURB TO REMAIN.
6. EXISTING RED PAINTED CURB TO REMAIN.
7. EXISTING PV SHADE STRUCTURE PER DSA APPROVED A#04-118469.
8. EXISTING PATH OF TRAVEL PER DSA APPROVED A#04-118508.
9. EXISTING PATH OF TRAVEL PER DSA APPROVED A#04-114914.
10. EXISTING FIRE LANE, 20'-0" MIN. WIDE EXISTING CURB/PAVEMENT PAINTED RED WITH WHITE LETTERING WHICH READS: "NO PARKING - FIRE LANE" PER DSA APPROVED A#04-114126.
11. ACCESSIBLE PARKING PER DSA APPROVED A#04-118469. GRADE SLOPING 2% MAX.
12. EXISTING TRUNCATED DOMES PER DSA APPROVED A#04-118469. REFER TO DETAIL 2/A-104 .
13. EXISTING PAINTED WHITE STRIPES DIAGONAL 4" WIDE AT 36" O.C. PER DSA APPROVED A#04-118469.
14. EXISTING ACCESSIBLE STALL SIGNAGE PER DSA APPROVED A#04-118469 PER DETAIL 3/A-108 .
15. EXISTING ACCESSIBLE VAN STALL SIGNAGE PER DSA APPROVED A#04-118469 PER DETAIL 4/A-108 .
16. ACCESSIBLE VAN PARKING PER DSA APPROVED A#04-118508. GRADE SLOPING 2% MAX.
17. EXISTING WHEELSTOP TO REMAIN PER DSA APPROVED A#04-118469.
18. EXISTING 12" H. PAINTED WHITE "NO PARKING".
19. EXISTING ISA SYMBOL PAINTED IN EACH STALL PER DETAIL 5/A-104 .
20. EXISTING CURB RAMP TO REMAIN PER PER DSA APPROVED A#04-118508. REFER TO DETAIL 12 & 6 /A-104 .
21. EXISTING PASSENGER LOADING ZONE SIGNAGE PER DETAIL 5/A-108 .
22. EXISTING LOADING ZONE PER DSA APPROVED A#04-118508. REFER TO DETAIL 3/A-104 .
23. PEDESTRIAN CROSSING WITH 4" STRIPED WHITE BORDER AND 4" STRIPED WHITE DIAGONAL HATCH AT 3'-0" O.C. 2% MAX. CROSS SLOPE AND 5% MAX. SLOPE IN DIRECTION OF TRAVEL.
24. FLUSH CONDITION.
25. EXISTING TRUNCATED DOMES TO BE DEMOLISHED.
26. EXISTING ACCESSIBLE PARKING AISLE WITH 4" BLUE PAINTED BORDER AND 4" WHITE PAINTED DIAGONAL HATCH AT 3'-0" O.C. 2% MAX. PER DSA APPROVED A#04-118469. CROSS SLOPE AND 5% MAX. SLOPE IN DIRECTION OF TRAVEL.
27. EXISTING CURB TO BE PAINTED WHITE FOR 80'-0" LINEAR FEET. REFER TO 1/A-103 .
28. EXISTING PV SHADE STRUCTURE COLUMN TO REMAIN.



11 ENLARGED PARKING PLAN -WEST

SCALE: 1" = 10'



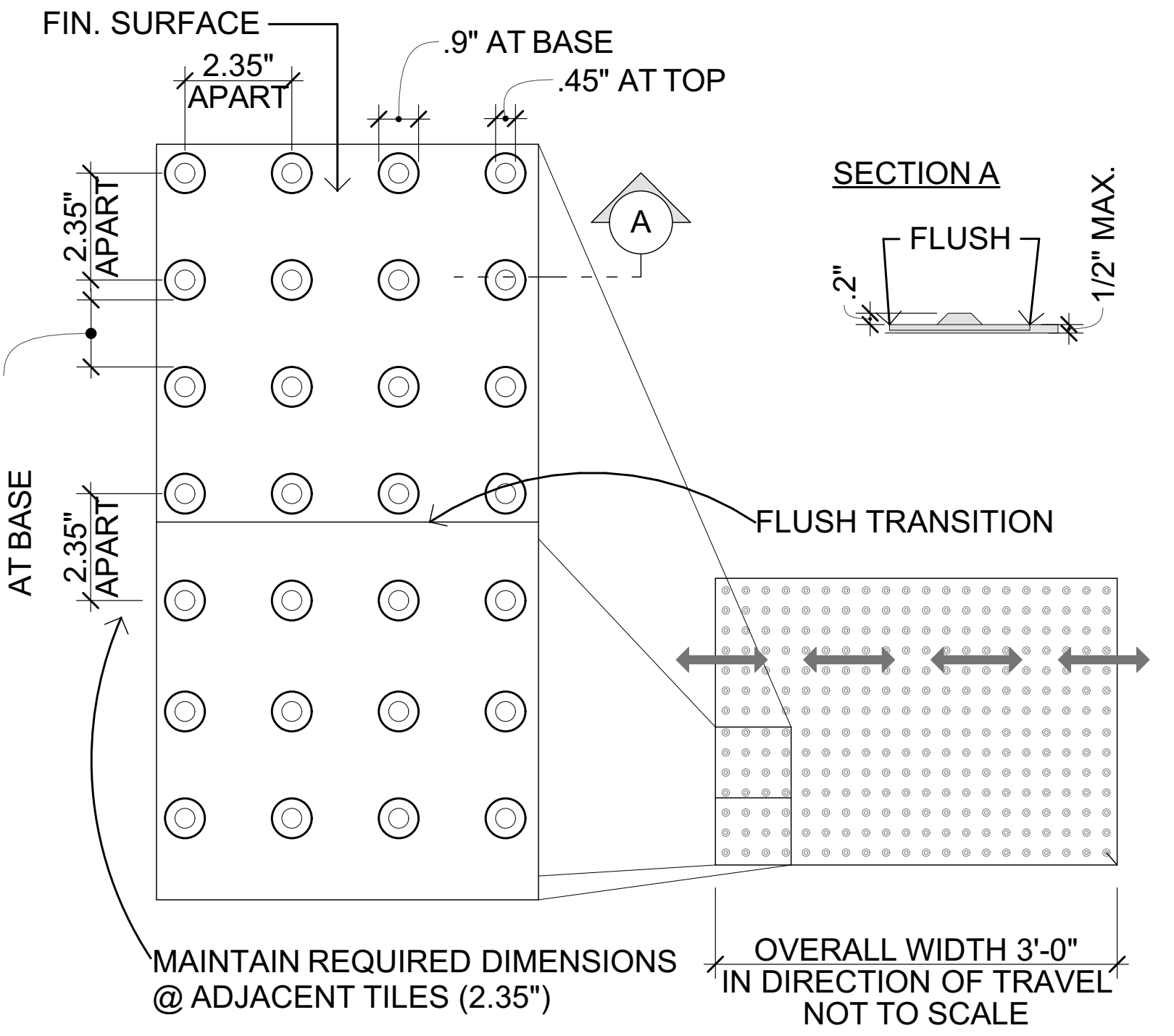
INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL CONSIST OF WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE COLOR SHALL BE EQUAL TO COLOR #15090 IN FED. STANDARD 595C. REFER TO PLANS FOR LOCATION OF I.S.A.

NOTE:

PROPORTIONS SHALL MATCH CBC FIGURE 11B-703.7.2.1.

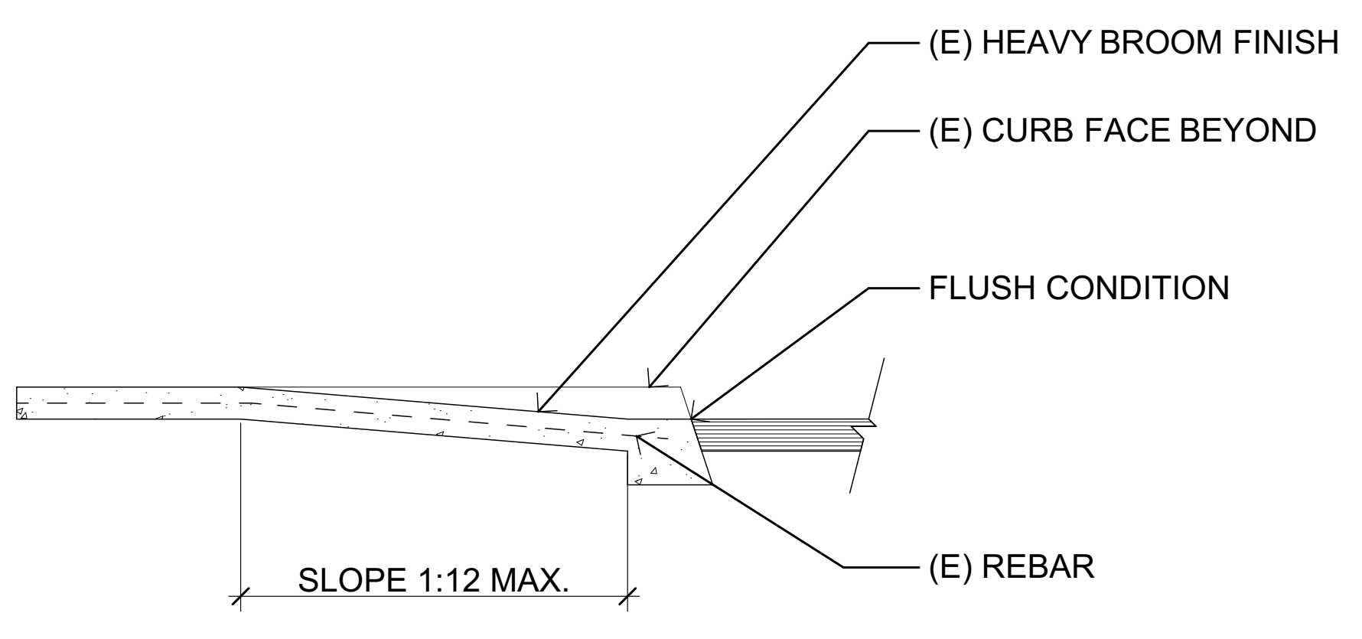
5 (E) ISA

SCALE: 3/4" = 1'-0"



NOTE:
1) TRUNCATED DOMES DETECTABLE WARNING STRIP TO BE MANUFACTURED BY SAFETY STEP TD - SAFETY STEP TD, TRADITIONAL SSTD-MAT SYSTEM OR EQUAL.
2) DETECTABLE WARNING SURFACES SHALL BE YELLOW AND APPROXIMATE 33538 OF SAE AMS-STD-595A TO COMPLY WITH CBC SECTION 11B-705.1.1.3.1.
3) DETECTABLE WARNING SURFACES SHALL COMPLY WITH CBC SCTION 11B-705.1.

DSA WILL PROVISIONALLY ACCEPT A WRITTEN FIVE (5) YEAR PRODUCT WARRANTY PROVIDED BY THE MANUFACTURER OF DETECTABLE WARNING AND DIRECTIONAL SURFACE PRODUCTS AS EQUIVALENT TO THE EVALUATION AND PRODUCT APPROVAL PROGRAM. SUCH WARRANTY SHALL INDICATE COMPLIANCE WITH ARCHITECTURAL STANDARDS AS PUBLISHED IN THE CURRENT EDITION OF THE CALIFORNIA BUILDING STANDARDS CODE, AND ALSO INCLUDE DURABILITY CRITERIA WHICH INDICATES THAT THE SHAPE, COLOR, FASTNESS, CONFIRMATION, SOUND-ON-CANE ACOUSTIC QUALITY, RESILIENCE AND ATTACHMENT WILL NOT DEGRADE SIGNIFICANTLY FOR AT LEAST FIVE (5) YEARS AFTER INITIAL INSTALLATION. AS USED IN THIS BULLETIN, "DEGRADE SIGNIFICANTLY" MEANS THAT THE PRODUCT MAINTAINS AT LEAST 90 PERCENT OF ITS APPROVED DESIGN CHARACTERISTICS, AS DETERMINED BY THE ENFORCING AGENCY.

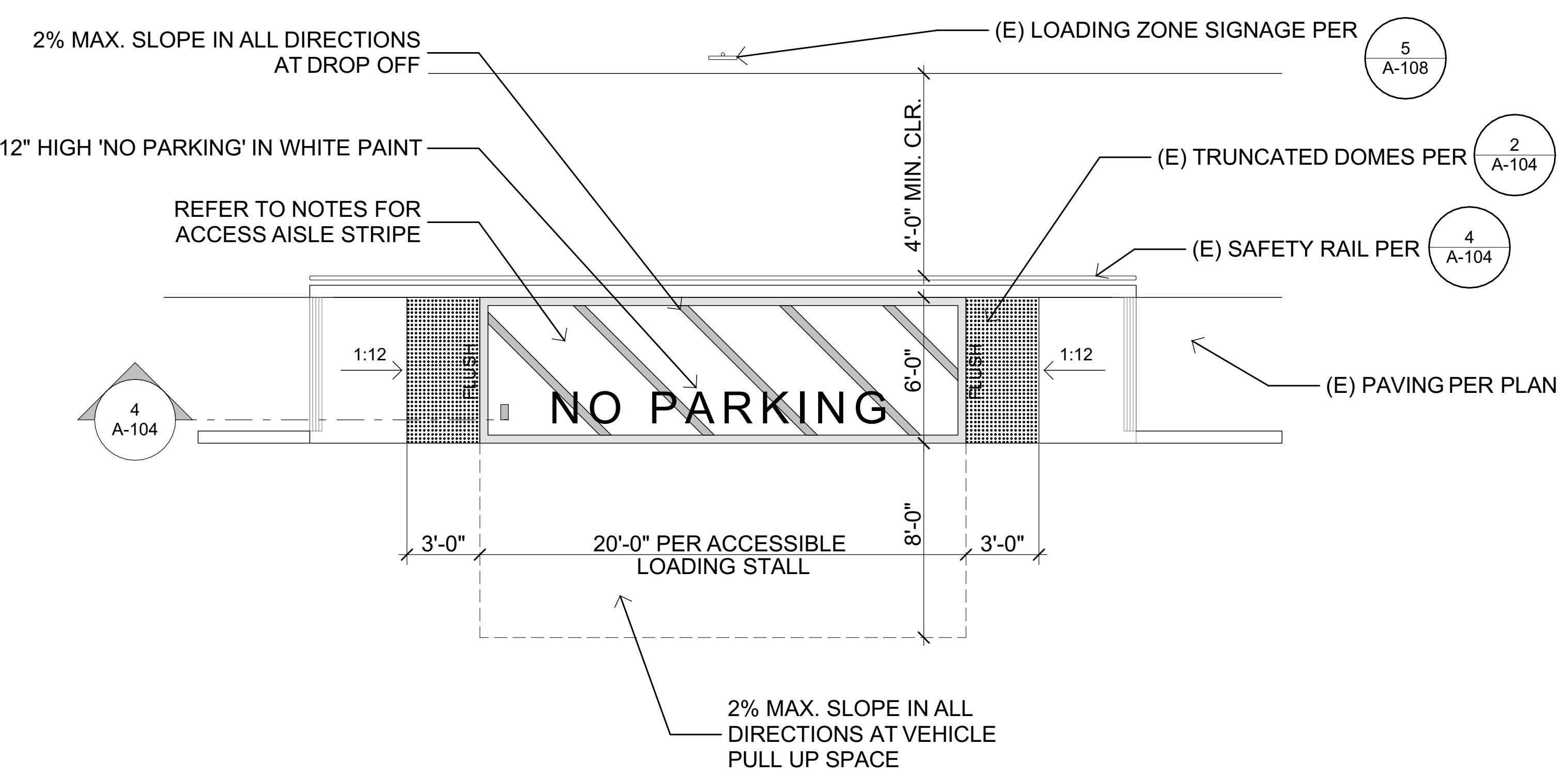


6 (E) ACS CURB RAMP SECTION

SCALE: 1/2" = 1'-0"

2 (E) TRUNCATED DOMES

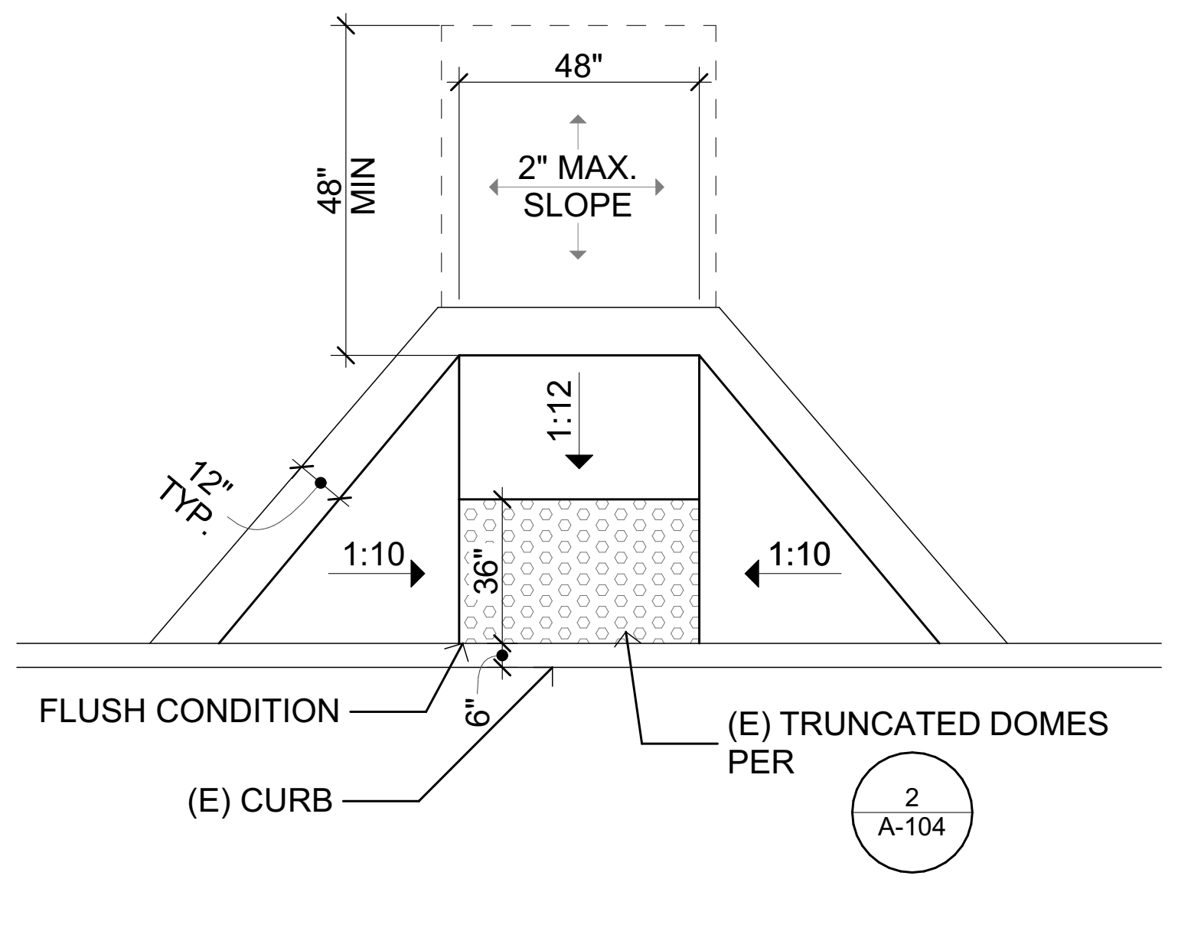
SCALE: 3" = 1'-0"



2% MAX. SLOPE IN ALL DIRECTIONS AT DROP OFF
(E) 12" HIGH 'NO PARKING' IN WHITE PAINT
REFER TO NOTES FOR ACCESS AISLE STRIPE
(E) LOADING ZONE SIGNAGE PER 5 A-108
(E) TRUNCATED DOMES PER 2 A-104
(E) SAFETY RAIL PER 4 A-104
(E) PAVING PER PLAN
4'-0" MIN. CLR.
1:12
1:12
FLUSH
FLUSH
NO PARKING
6'-0"
4 A-104
3'-0"
20'-0" PER ACCESSIBLE LOADING STALL
3'-0"
8'-0"
2% MAX. SLOPE IN ALL DIRECTIONS AT VEHICLE PULL UP SPACE

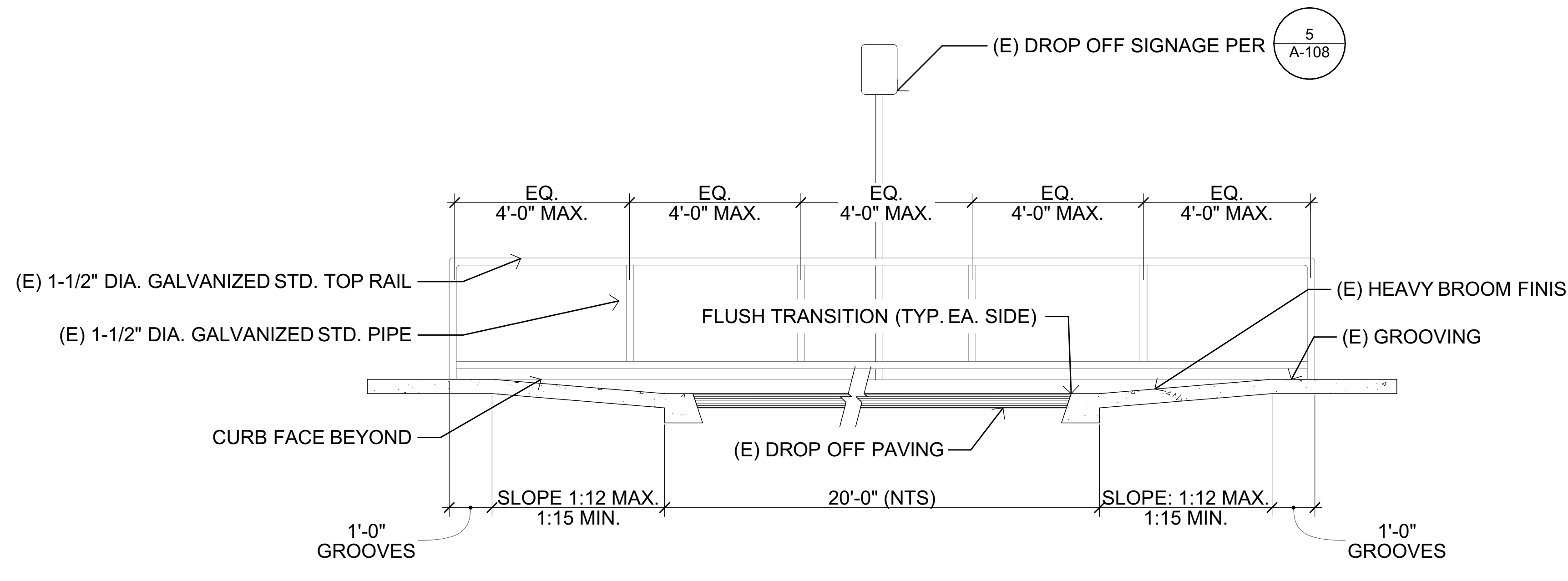
3 (E) ACCESSIBLE DROP OFF

SCALE: 3/16" = 1'-0"



12 (E) ACS CURB RAMP

SCALE: 1/4" = 1'-0"



(E) DROP OFF SIGNAGE PER 5 A-108
EQ. 4'-0" MAX.
EQ. 4'-0" MAX.
EQ. 4'-0" MAX.
EQ. 4'-0" MAX.
EQ. 4'-0" MAX.
(E) 1-1/2" DIA. GALVANIZED STD. TOP RAIL
(E) 1-1/2" DIA. GALVANIZED STD. PIPE
FLUSH TRANSITION (TYP. EA. SIDE)
(E) HEAVY BROOM FINISH
(E) GROOVING
CURB FACE BEYOND
(E) DROP OFF PAVING
1'-0" GROOVES
SLOPE 1:12 MAX. 1:15 MIN.
20'-0" (NTS)
SLOPE: 1:12 MAX. 1:15 MIN.
1'-0" GROOVES

4 (E) ACCESSIBLE DROP OFF SECTION

SCALE: 3/8" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/13/2024

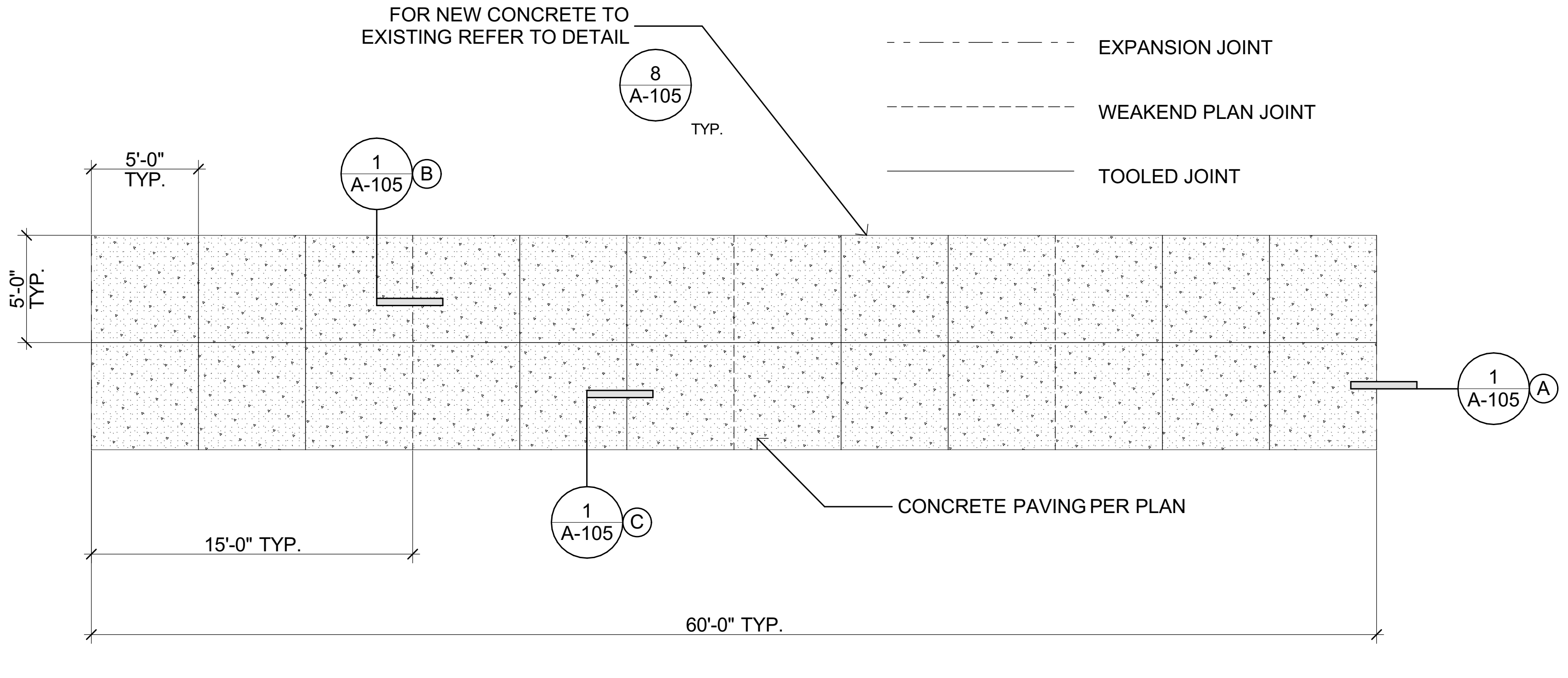
SHEET TITLE

ENLARGED PARKING PLAN - SOUTH & SITE DETAILS

A-104

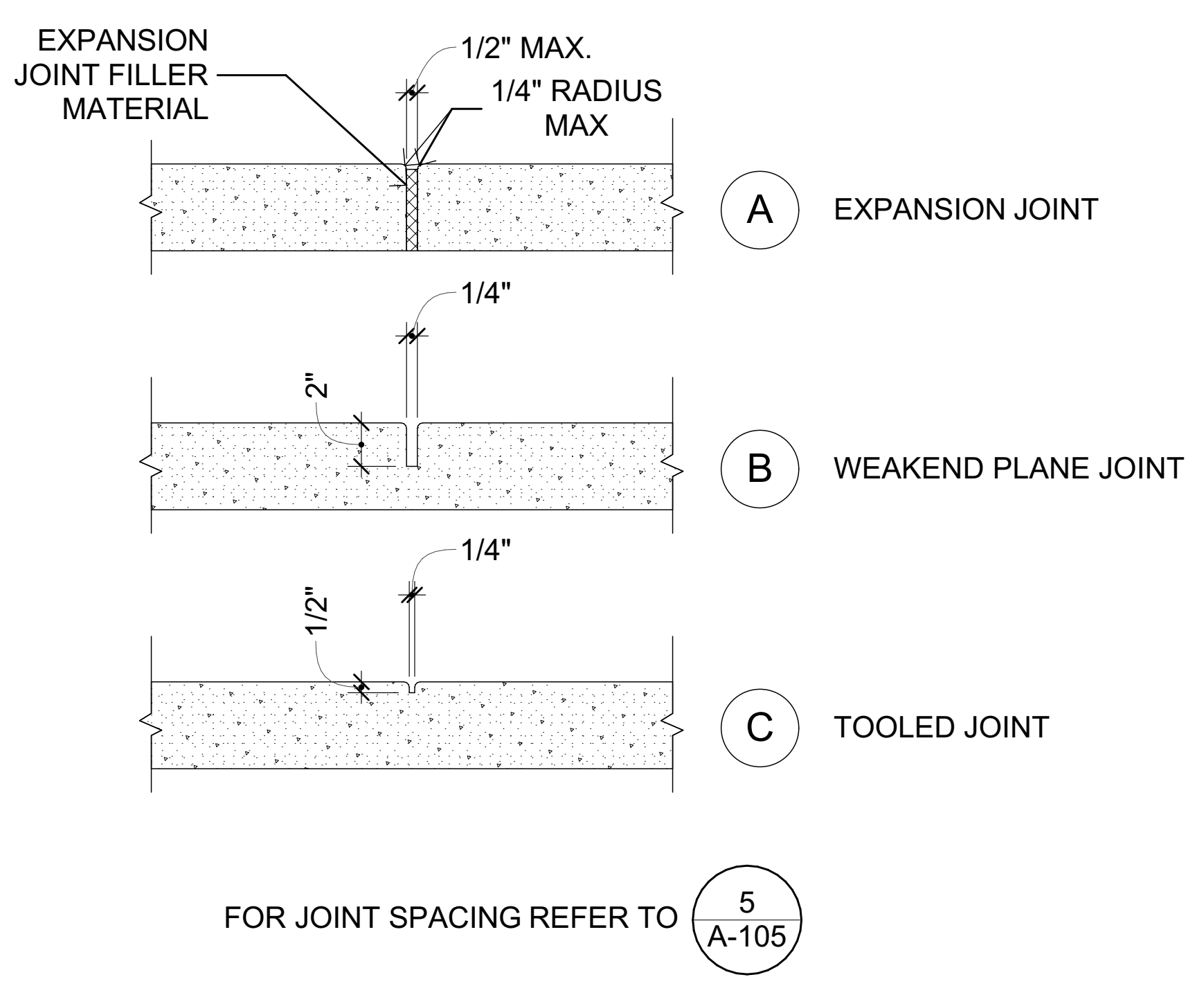
Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln



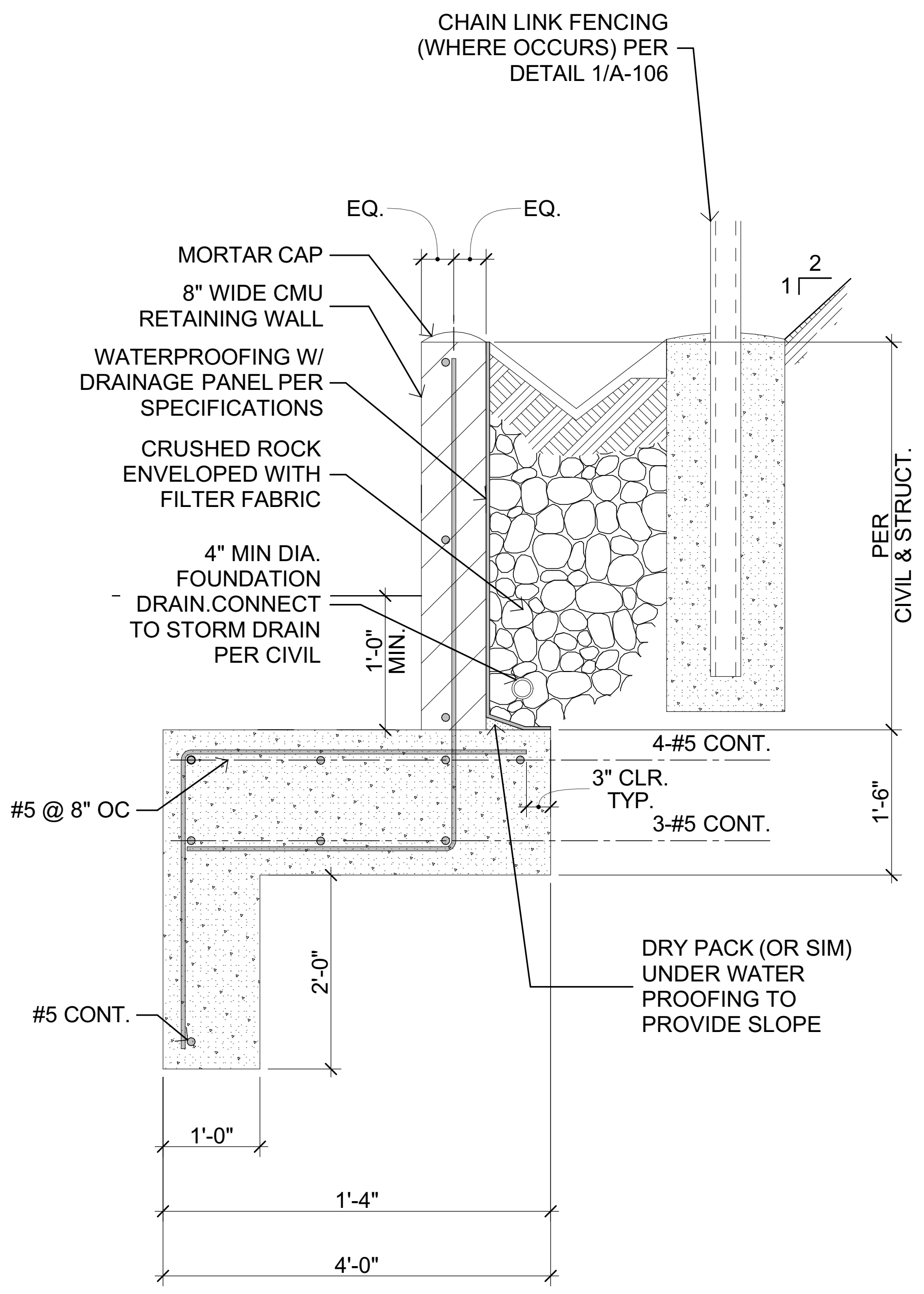
5 CONCRETE PAVING JOINTS PLAN

SCALE: 3/16" = 1'-0"



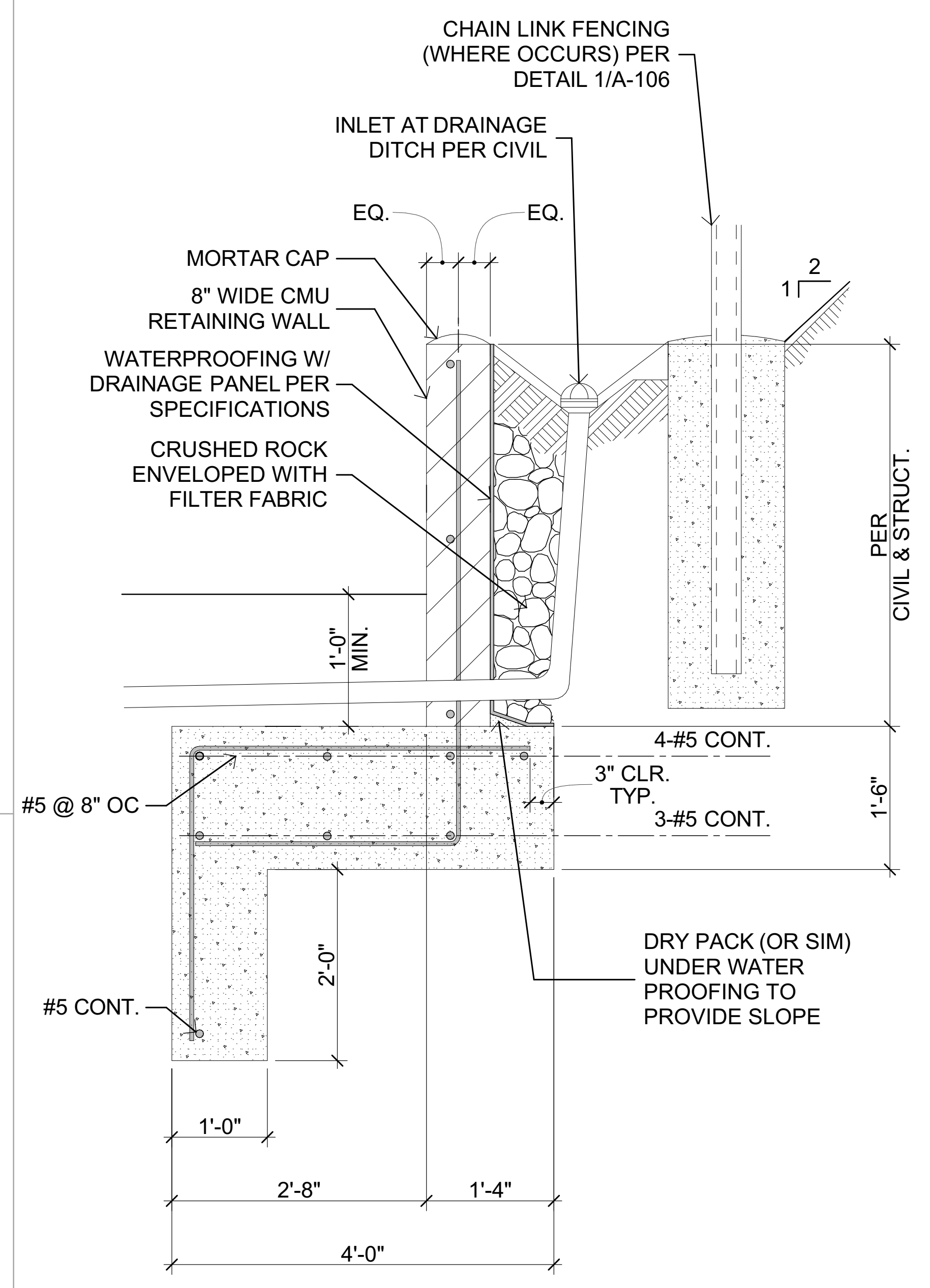
1 CONCRETE PAVING JOINTS

SCALE: 1 1/2" = 1'-0"



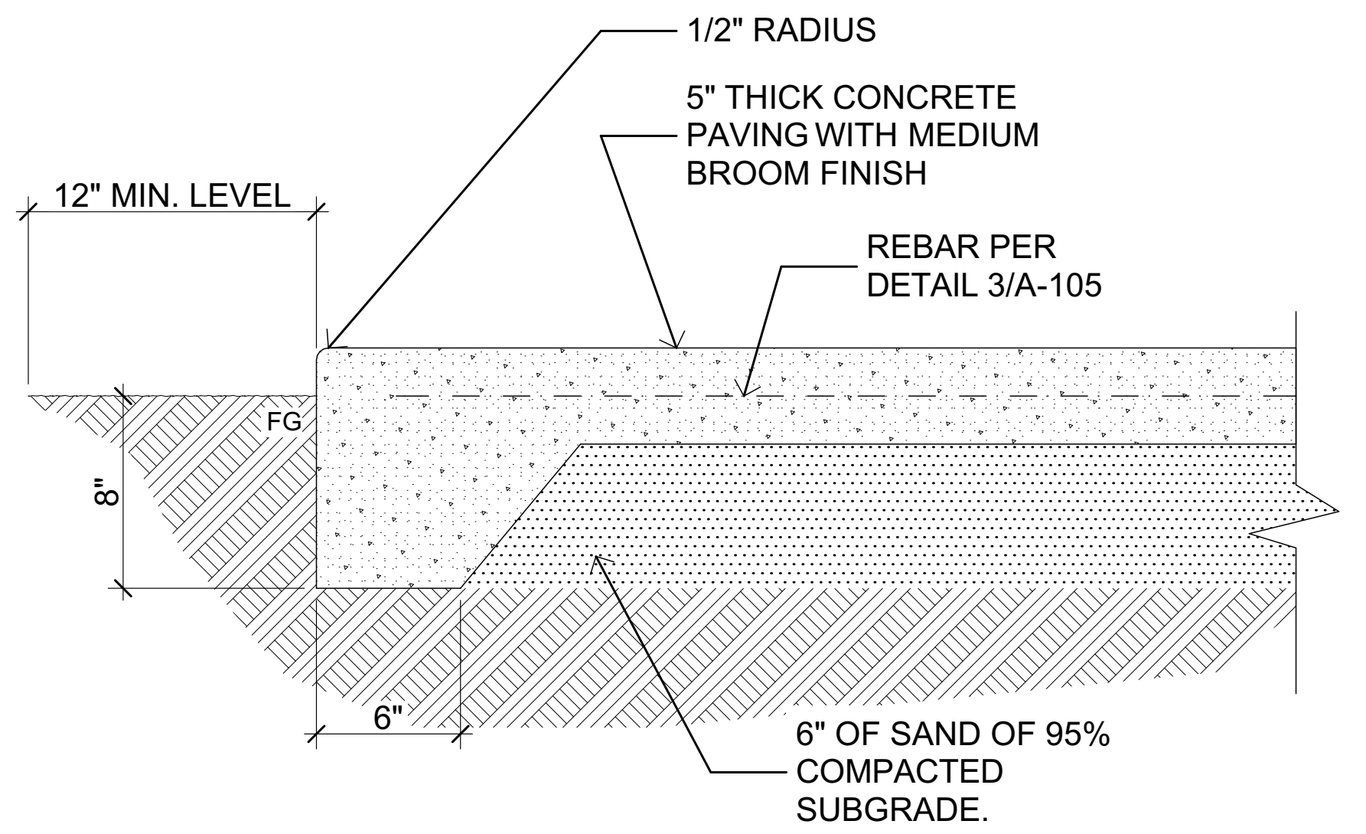
14 CMU RETAINING WALL @ SUBDRAIN

SCALE: 1 1/2" = 1'-0"



11 CMU RETAINING WALL @ INLET

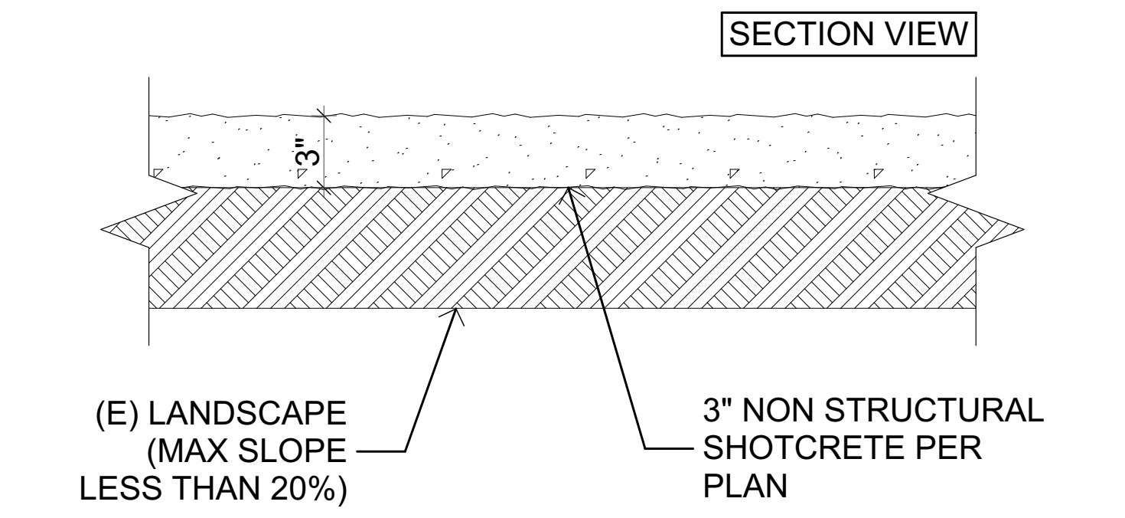
SCALE: 1 1/2" = 1'-0"



6 EDGE OF PAVING

SCALE: 1 1/2" = 1'-0"

NOTE:
-APPLIED SHOTCRETE SHALL HAVE MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI.
-PROVIDE FORMS AND GROUND WIRES FOR SHOTCRETE PER CBC 1908A.3.
-SHOTCRETE SHALL BE CONTINUOUSLY INSPECTED DURING CONSTRUCTION WITH VISUAL EXAMINATION AND PRECONSTRUCTION TESTS PER CBC 1905A.3.9 & 1908A.2.



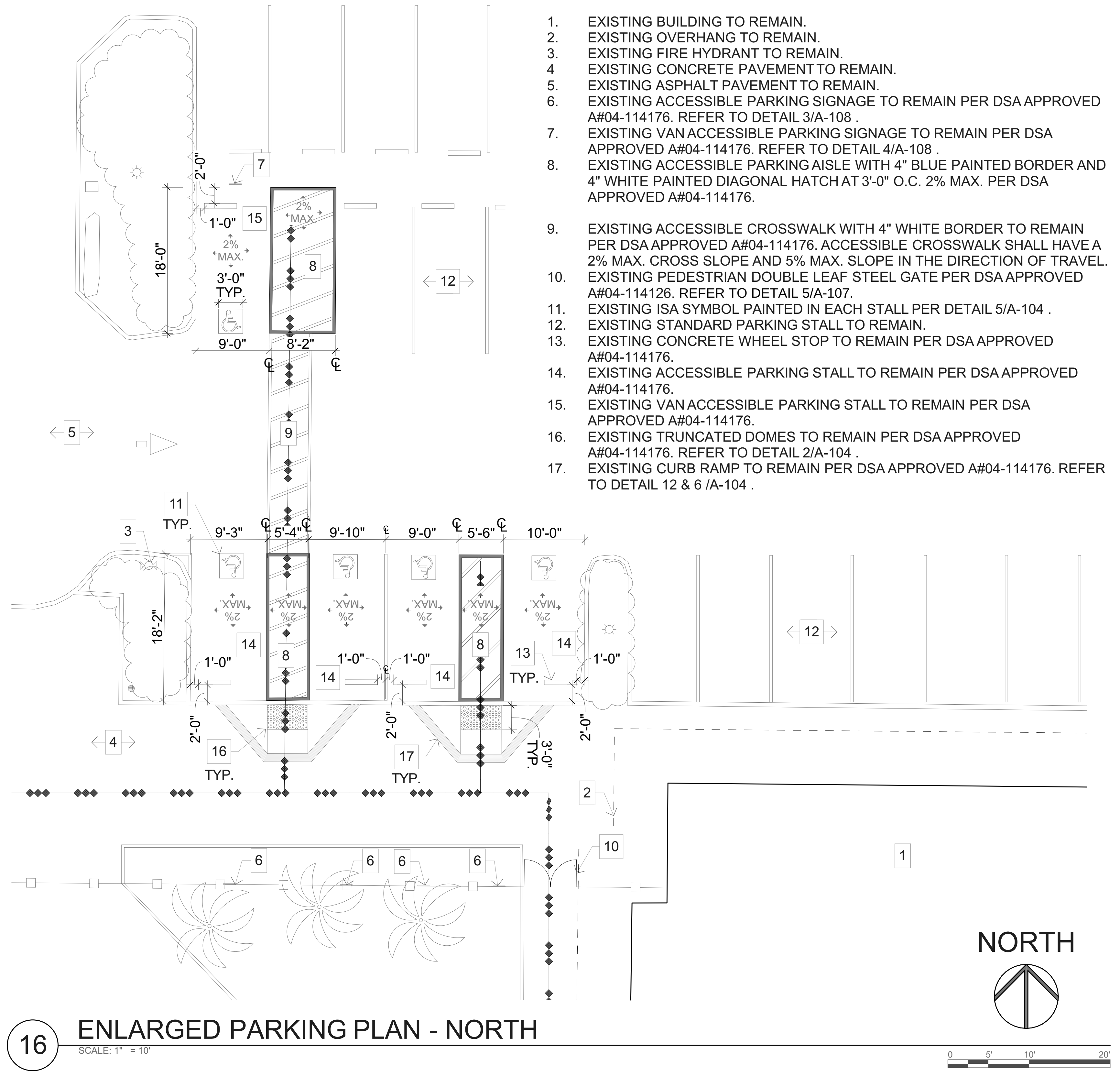
2 SHOTCRETE DETAIL

SCALE: 1 1/2" = 1'-0"

KEYNOTES

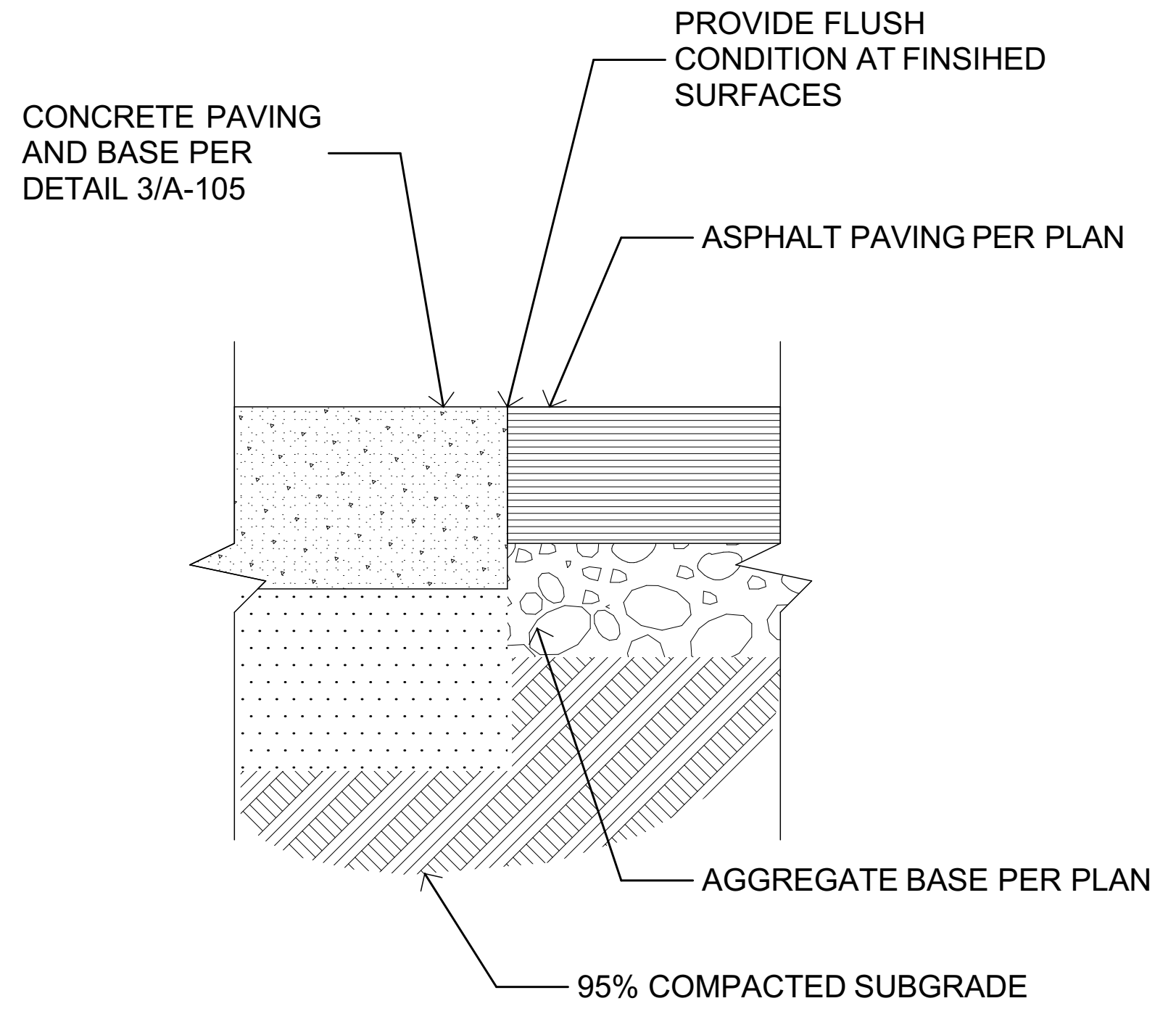
1. EXISTING BUILDING TO REMAIN.
2. EXISTING OVERHANG TO REMAIN.
3. EXISTING FIRE HYDRANT TO REMAIN.
4 EXISTING CONCRETE PAVEMENT TO REMAIN.
5. EXISTING ASPHALT PAVEMENT TO REMAIN.
6. EXISTING ACCESSIBLE PARKING SIGNAGE TO REMAIN PER DSA APPROVED A#04-114176. REFER TO DETAIL 3/A-108 .
7. EXISTING VAN ACCESSIBLE PARKING SIGNAGE TO REMAIN PER DSA APPROVED A#04-114176. REFER TO DETAIL 4/A-108 .
8. EXISTING ACCESSIBLE PARKING AISLE WITH 4" BLUE PAINTED BORDER AND 4" WHITE PAINTED DIAGONAL HATCH AT 3'-0" O.C. 2% MAX. PER DSA APPROVED A#04-114176.

9. EXISTING ACCESSIBLE CROSSWALK WITH 4" WHITE BORDER TO REMAIN PER DSA APPROVED A#04-114176. ACCESSIBLE CROSSWALK SHALL HAVE A 2% MAX. CROSS SLOPE AND 5% MAX. SLOPE IN THE DIRECTION OF TRAVEL.
10. EXISTING PEDESTRIAN DOUBLE LEAF STEEL GATE PER DSA APPROVED A#04-114126. REFER TO DETAIL 5/A-107.
11. EXISTING ISA SYMBOL PAINTED IN EACH STALL PER DETAIL 5/A-104 .
12. EXISTING STANDARD PARKING STALL TO REMAIN.
13. EXISTING CONCRETE WHEEL STOP TO REMAIN PER DSA APPROVED A#04-114176.
14. EXISTING ACCESSIBLE PARKING STALL TO REMAIN PER DSA APPROVED A#04-114176.
15. EXISTING VAN ACCESSIBLE PARKING STALL TO REMAIN PER DSA APPROVED A#04-114176.
16. EXISTING TRUNCATED DOMES TO REMAIN PER DSA APPROVED A#04-114176. REFER TO DETAIL 2/A-104 .
17. EXISTING CURB RAMP TO REMAIN PER DSA APPROVED A#04-114176. REFER TO DETAIL 12 & 6 /A-104 .



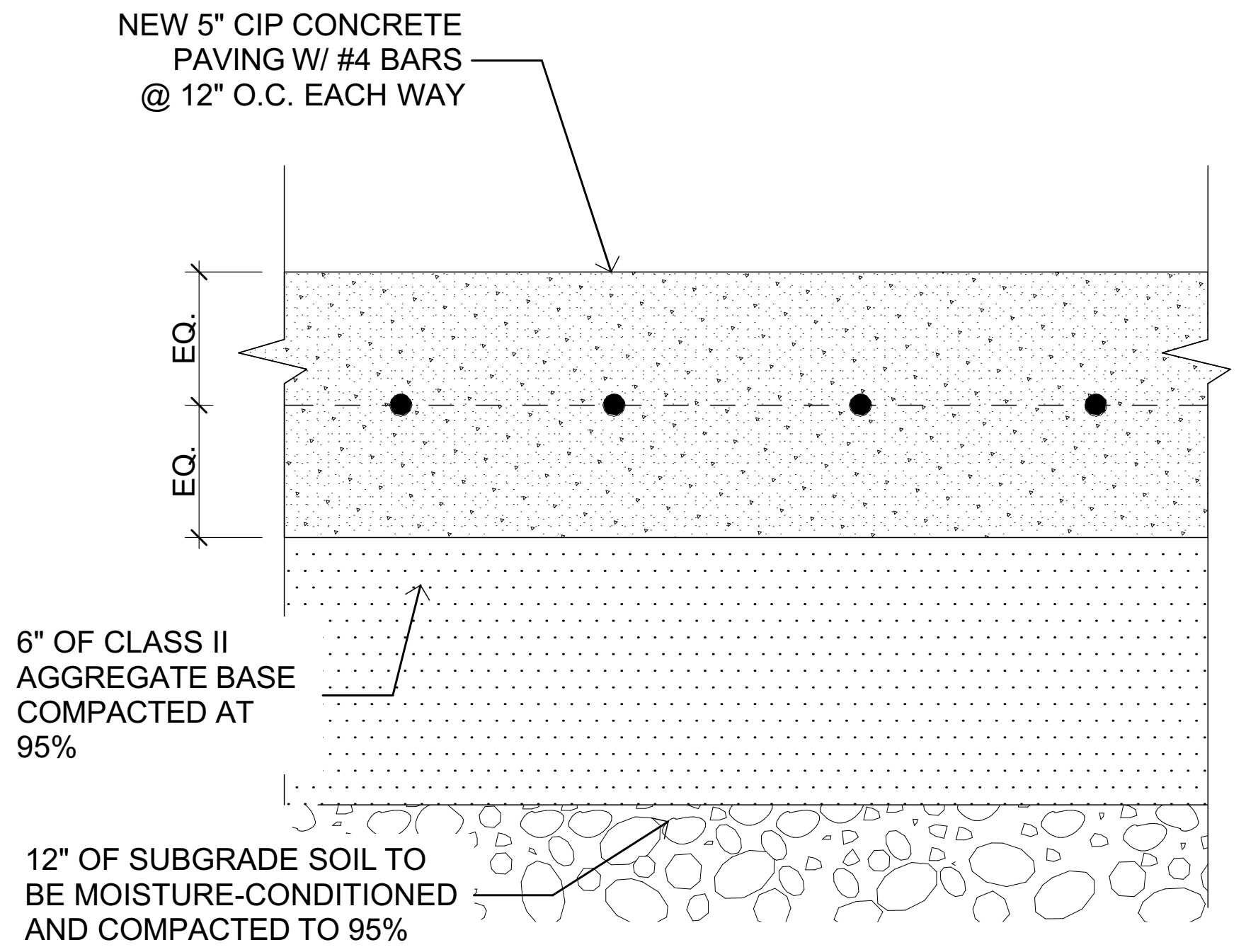
16 ENLARGED PARKING PLAN - NORTH

SCALE: 1" = 10'



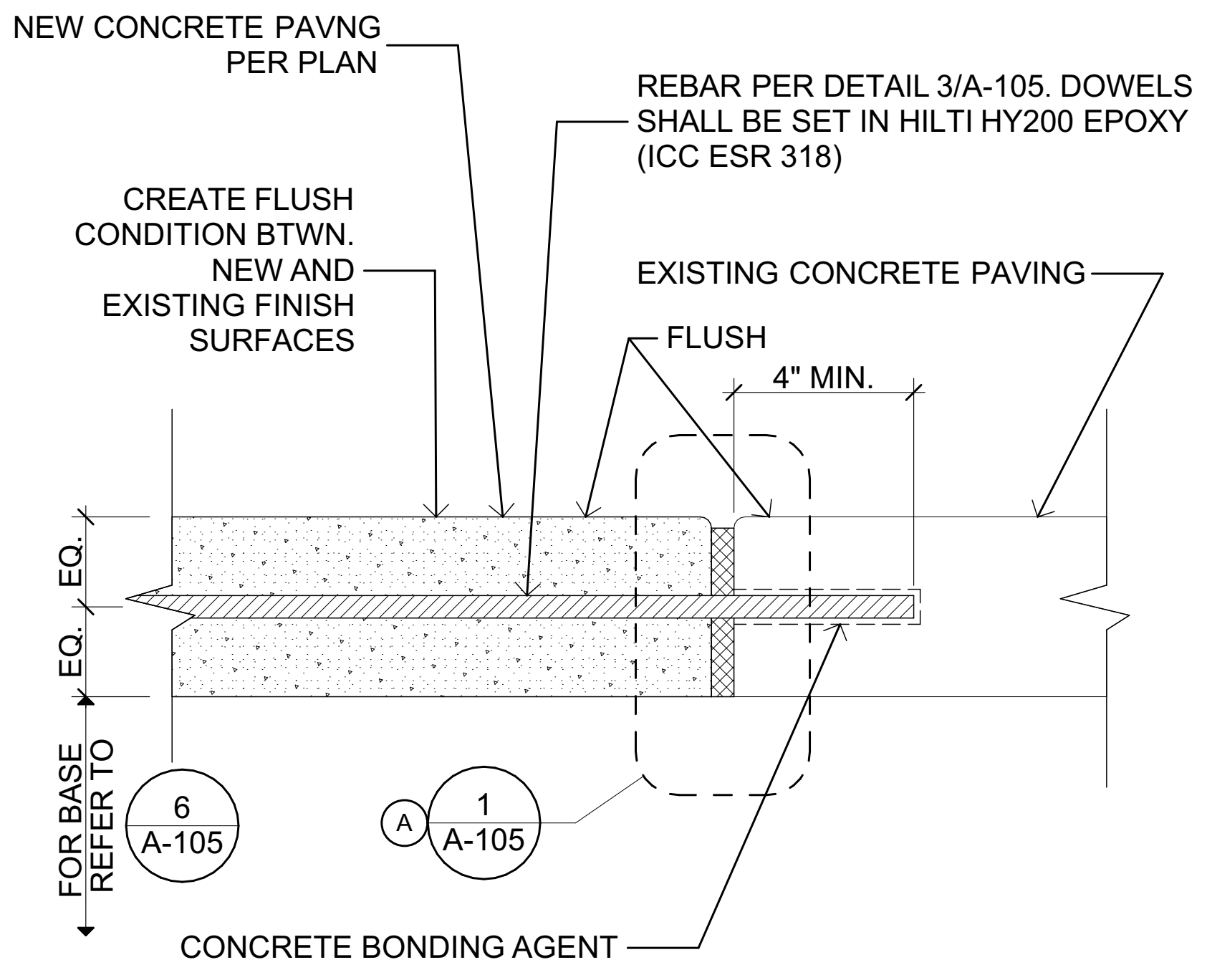
7 CONCRETE TO ASPHALT

SCALE: 3" = 1'-0"



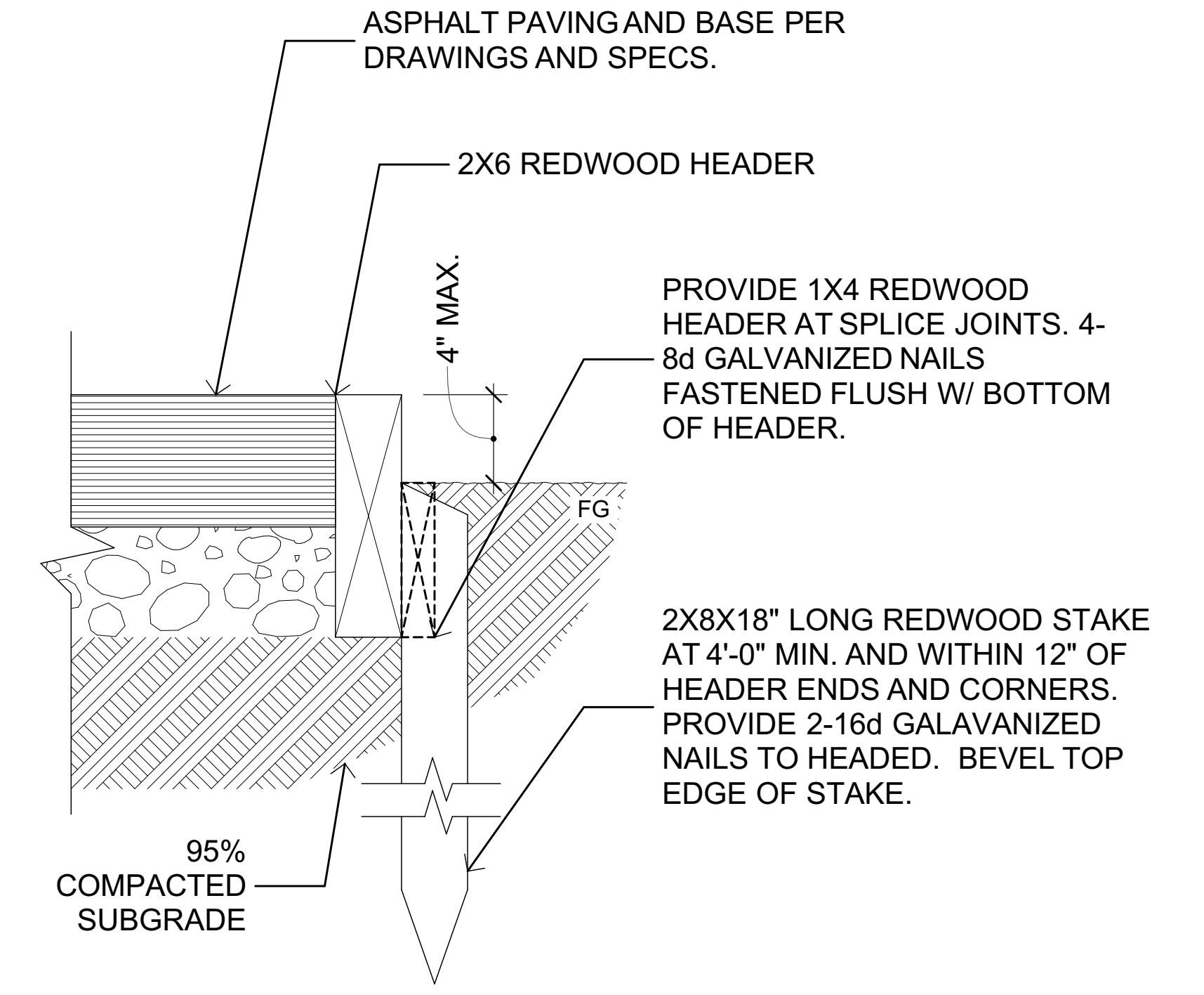
3 5" CONCRETE SECTION

SCALE: 3" = 1'-0"



8 NEW CONCRETE TO EXISTING

SCALE: 3" = 1'-0"



4 ASPHALT PAVING

SCALE: 3" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

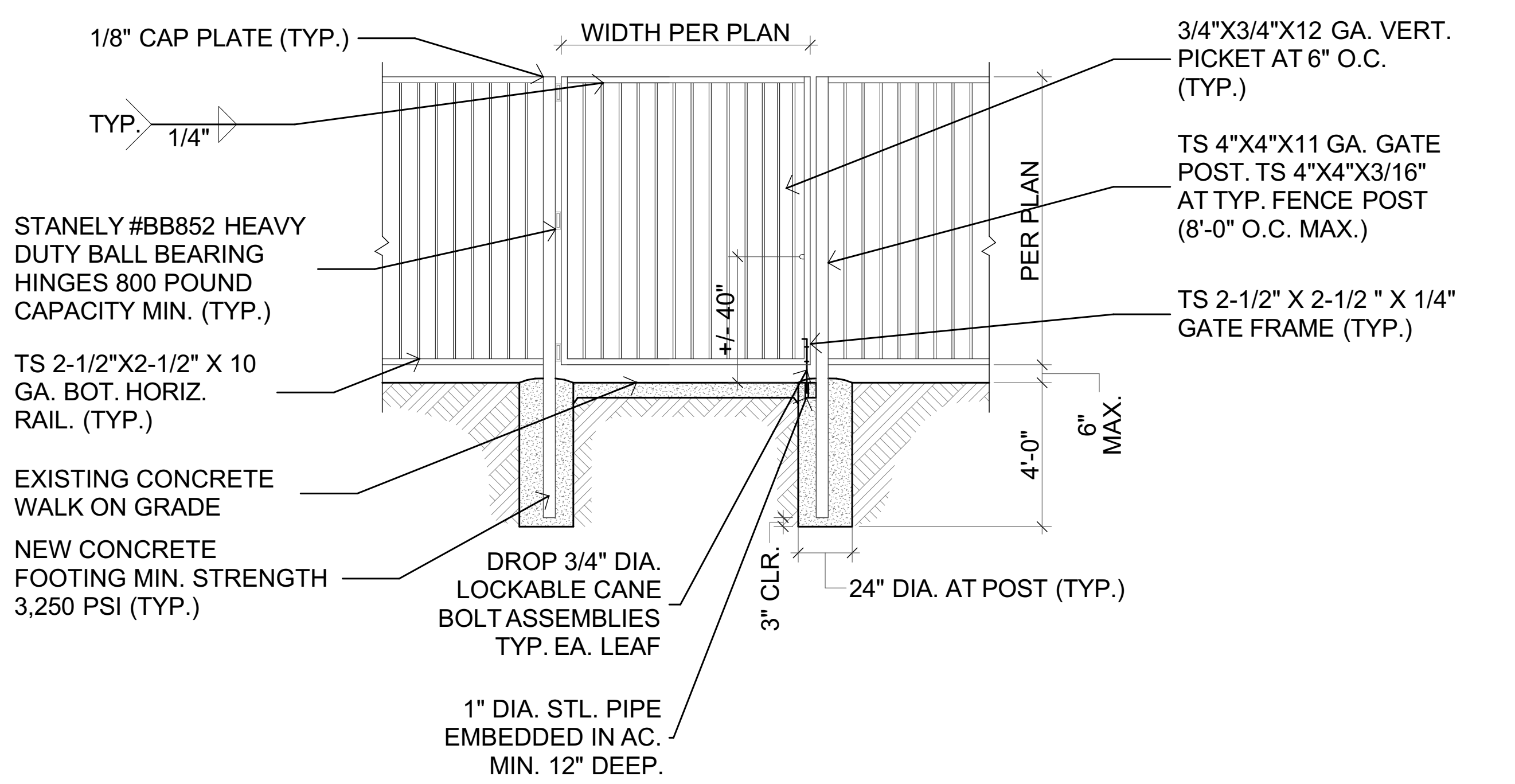
PLOT DATE:
12/12/2024

SHEET TITLE

ENLARGED PARKING PLAN - NORTH & SITE DETAILS

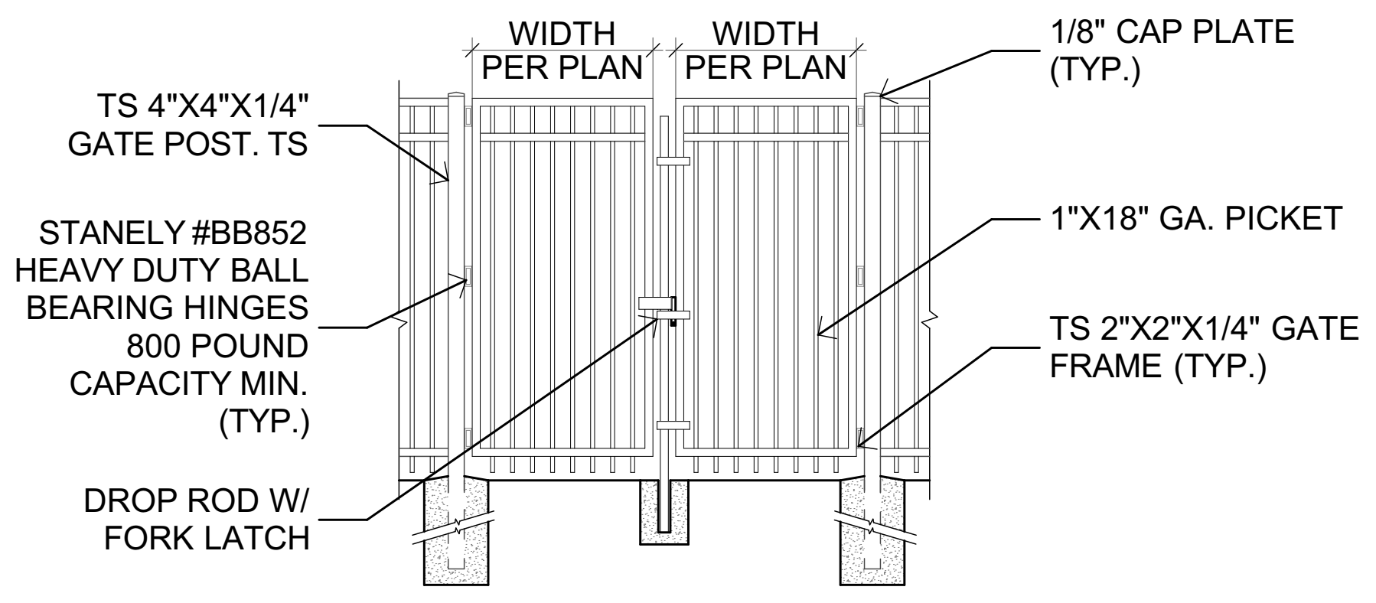
A-105

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln


1/8" CAP PLATE (TYP.)
WIDTH PER PLAN
TYP.
1/4"
3/4"X3/4"X12 GA. VERT. PICKET AT 6" O.C. (TYP.)
TS 4"X4"X11 GA. GATE POST. TS 4"X4"X3/16" AT TYP. FENCE POST (8'-0" O.C. MAX.)
STANELY #BB852 HEAVY DUTY BALL BEARING HINGES 800 POUND CAPACITY MIN. (TYP.)
PER PLAN
+/- 40"
TS 2-1/2" X 2-1/2 " X 1/4" GATE FRAME (TYP.)
TS 2-1/2"X2-1/2" X 10 GA. BOT. HORIZ. RAIL. (TYP.)
EXISTING CONCRETE WALK ON GRADE
4'-0"
6" MAX.
NEW CONCRETE FOOTING MIN. STRENGTH 3,250 PSI (TYP.)
DROP 3/4" DIA. LOCKABLE CANE BOLT ASSEMBLIES TYP. EA. LEAF
3" CLR.
24" DIA. AT POST (TYP.)
1" DIA. STL. PIPE EMBEDDED IN AC. MIN. 12" DEEP.

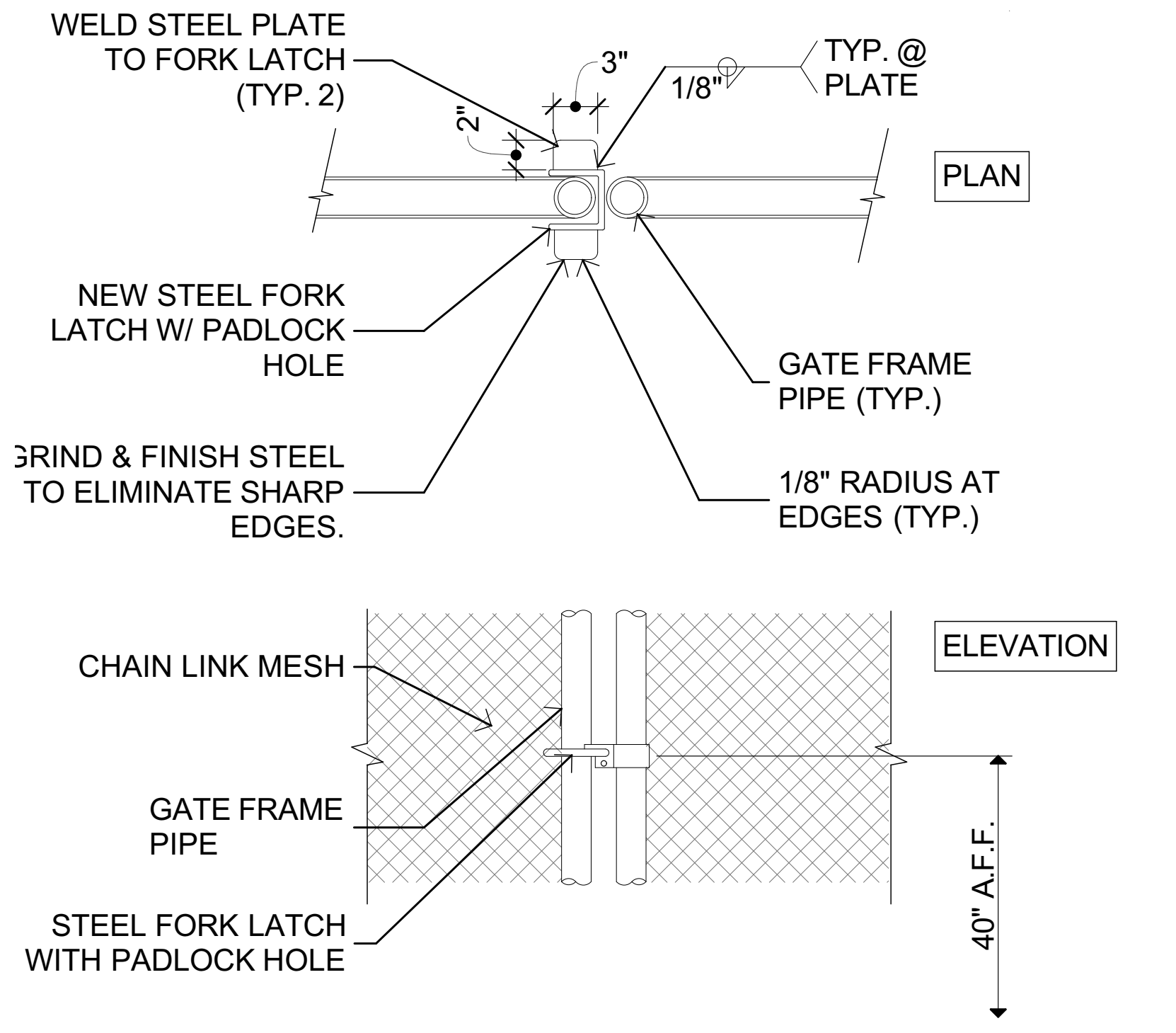
13 STEEL SINGLE LEAF MAINTENANCE GATE

SCALE: 1/4" = 1'-0"


WIDTH PER PLAN
WIDTH PER PLAN
1/8" CAP PLATE (TYP.)
TS 4"X4"X1/4" GATE POST. TS
1"X18" GA. PICKET
STANELY #BB852 HEAVY DUTY BALL BEARING HINGES 800 POUND CAPACITY MIN. (TYP.)
TS 2"X2"X1/4" GATE FRAME (TYP.)
DROP ROD W/ FORK LATCH

9 STEEL DBL. LEAF MAINTENANCE GATE

SCALE: 1/4" = 1'-0"

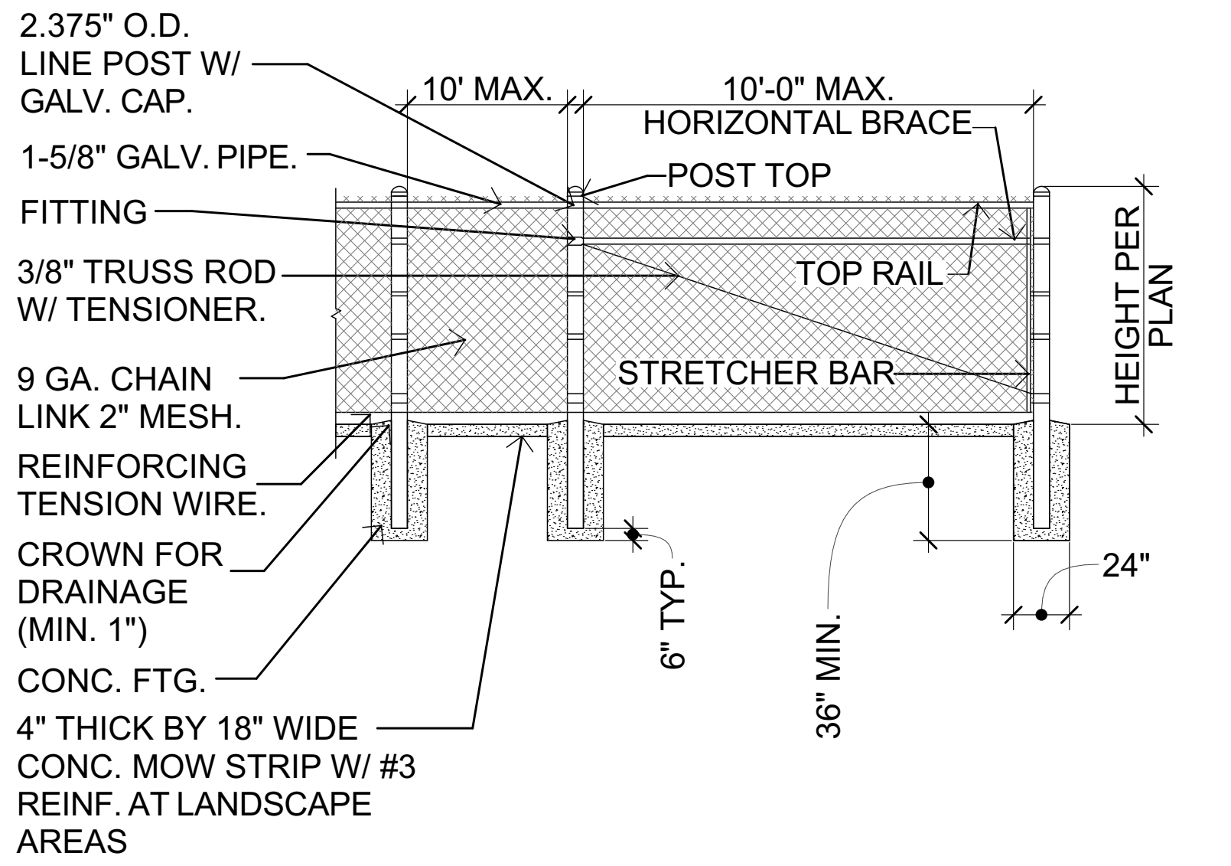

WELD STEEL PLATE TO FORK LATCH (TYP. 2)
3"
2"
1/8"
TYP. @ PLATE
PLAN
NEW STEEL FORK LATCH W/ PADLOCK HOLE
GATE FRAME PIPE (TYP.)
GRIND & FINISH STEEL TO ELIMINATE SHARP EDGES.
1/8" RADIUS AT EDGES (TYP.)
ELEVATION
CHAIN LINK MESH
GATE FRAME PIPE
STEEL FORK LATCH WITH PADLOCK HOLE
40" A.F.F.

5 FORK LATCH

SCALE: 1" = 1'-0"

NOTES:

1. CHAIN LINK FENCING TO CONFORM TO SPEC SECTION 32 3113 AND SEC. 206-6 OF STANDARD SPECS FOR PUBLIC WORK CONSTRUCTION.
2. REFERENCE DRAWING M-6 AND M-20 OF SAN DIEGO REGIONAL STANDARD DRAWINGS.
3. NO WIND BLOCKING SLATS OR FABRIC ON FENCE.


2.375" O.D. LINE POST W/ GALV. CAP.
10' MAX.
10'-0" MAX.
HORIZONTAL BRACE
1-5/8" GALV. PIPE.
POST TOP
FITTING
3/8" TRUSS ROD W/ TENSIONER.
TOP RAIL
9 GA. CHAIN LINK 2" MESH.
STRETCHER BAR
HEIGHT PER PLAN
REINFORCING TENSION WIRE.
CROWN FOR DRAINAGE (MIN. 1")
CONC. FTG.
4" THICK BY 18" WIDE CONC. MOW STRIP W/ #3 REINF. AT LANDSCAPE AREAS
6" TYP.
36" MIN.
24"

1 CHAIN LINK FENCING

SCALE: 1/4" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

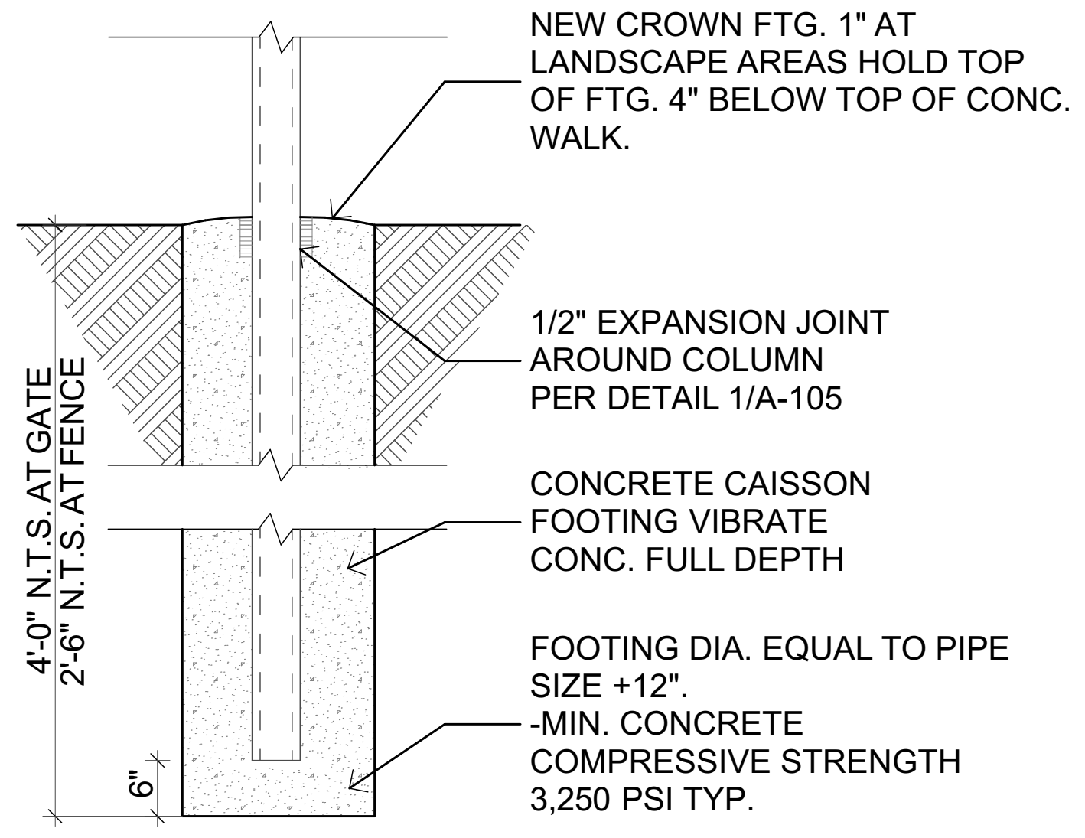
ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

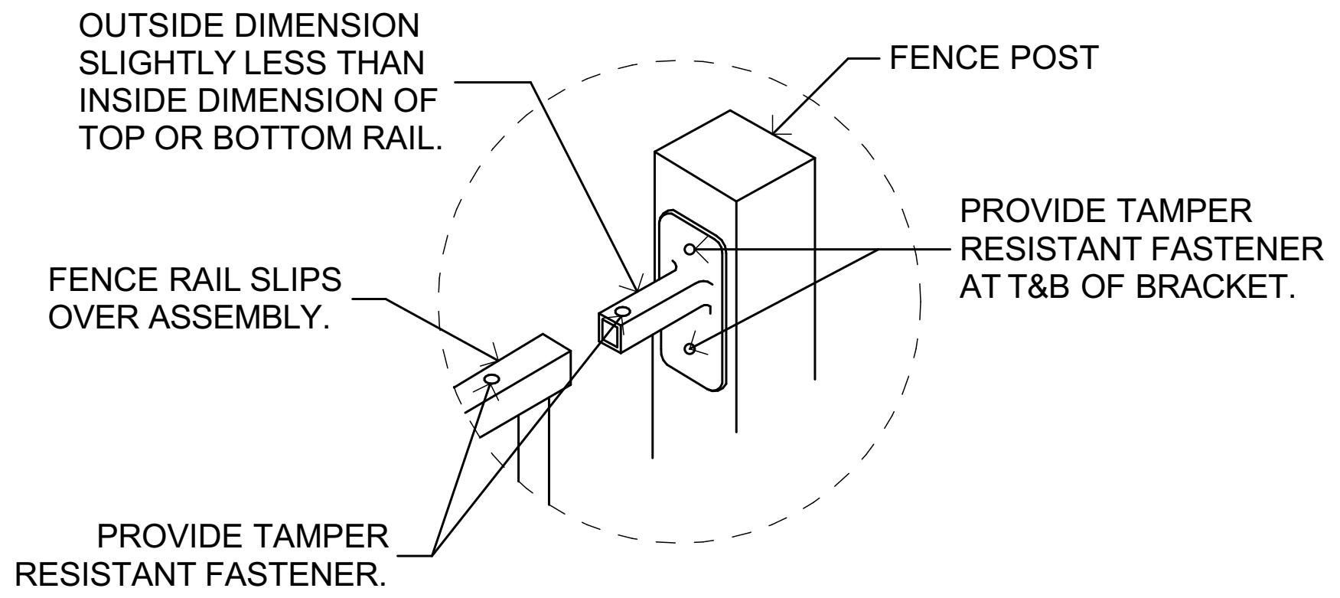
JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD


NEW CROWN FTG. 1" AT LANDSCAPE AREAS HOLD TOP OF FTG. 4" BELOW TOP OF CONC. WALK.
1/2" EXPANSION JOINT AROUND COLUMN PER DETAIL 1/A-105
4'-0" N.T.S. AT GATE
2'-6" N.T.S. AT FENCE
CONCRETE CAISSON FOOTING VIBRATE CONC. FULL DEPTH
FOOTING DIA. EQUAL TO PIPE SIZE +12". -MIN. CONCRETE COMPRESSIVE STRENGTH 3,250 PSI TYP.
6"

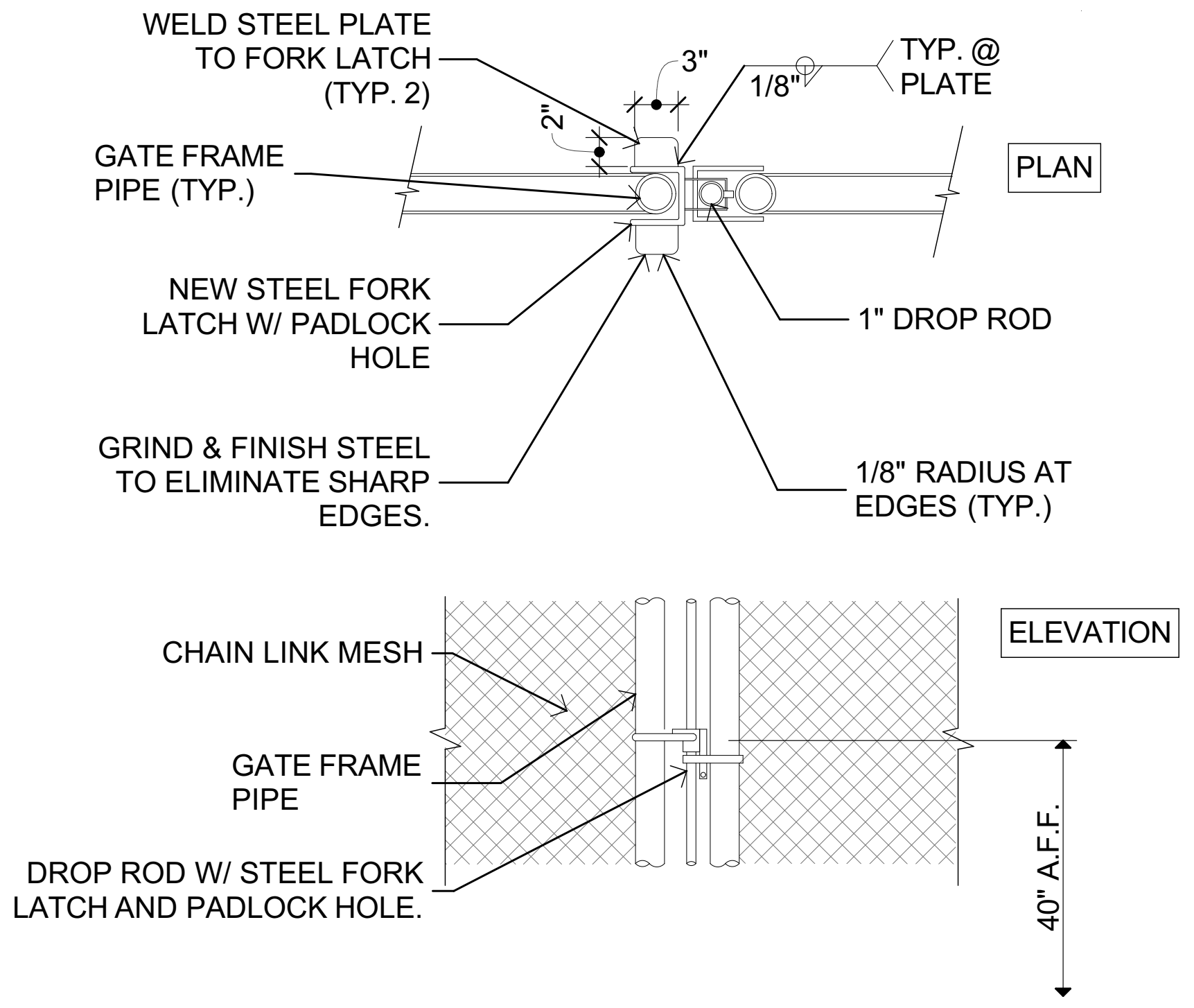
14 STEEL FENCE COLUMN FTG.

SCALE: 1/2" = 1'-0"


OUTSIDE DIMENSION SLIGHTLY LESS THAN INSIDE DIMENSION OF TOP OR BOTTOM RAIL.
FENCE POST
PROVIDE TAMPER RESISTANT FASTENER AT T&B OF BRACKET.
FENCE RAIL SLIPS OVER ASSEMBLY.
PROVIDE TAMPER RESISTANT FASTENER.

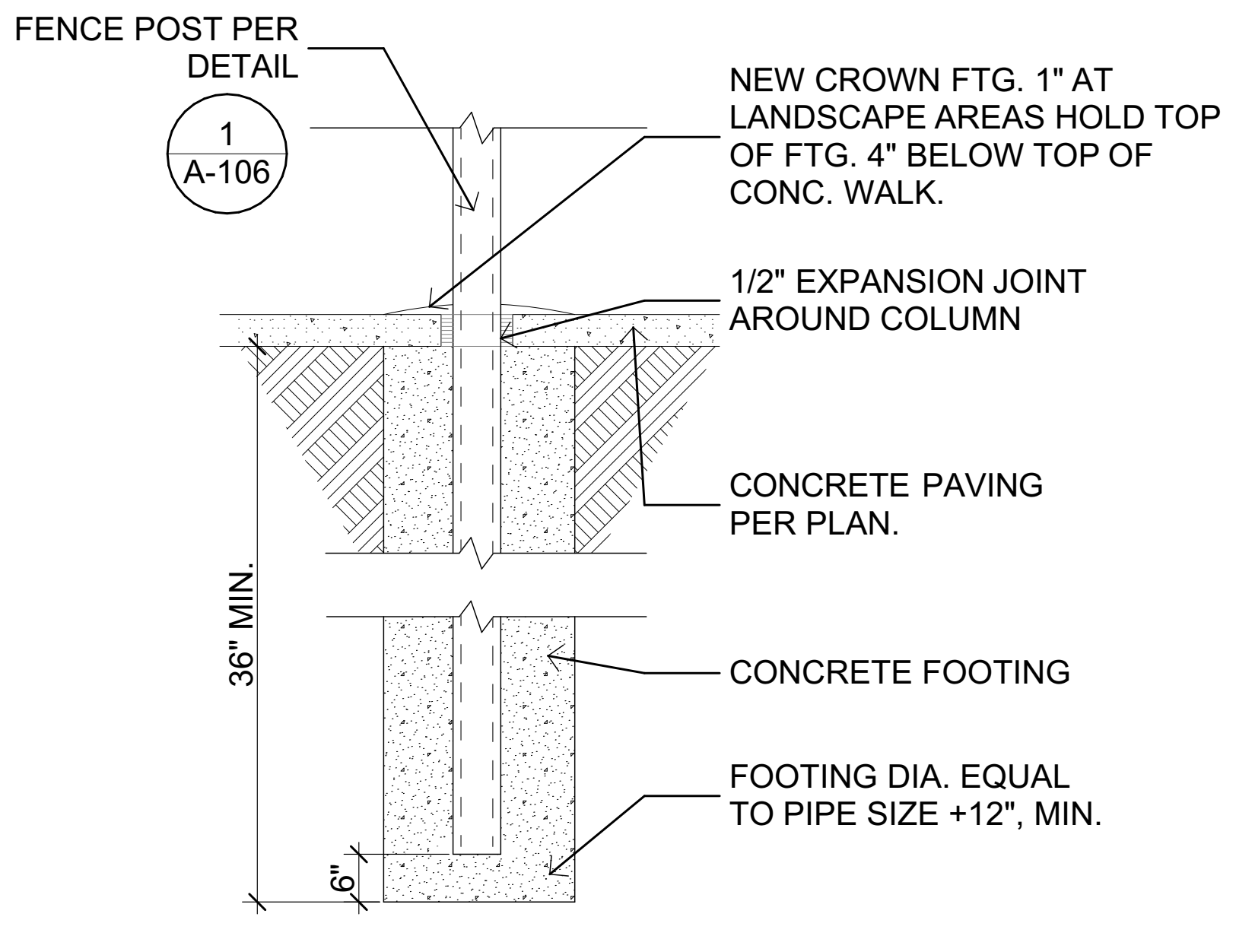
10 PANEL TO POST MOUNTING BRACKET

SCALE: 6" = 1'-0"


WELD STEEL PLATE TO FORK LATCH (TYP. 2)
3"
2"
1/8"
TYP. @ PLATE
PLAN
GATE FRAME PIPE (TYP.)
NEW STEEL FORK LATCH W/ PADLOCK HOLE
1" DROP ROD
GRIND & FINISH STEEL TO ELIMINATE SHARP EDGES.
1/8" RADIUS AT EDGES (TYP.)
ELEVATION
CHAIN LINK MESH
GATE FRAME PIPE
DROP ROD W/ STEEL FORK LATCH AND PADLOCK HOLE.
40" A.F.F.

6 DROP ROD AND LATCH

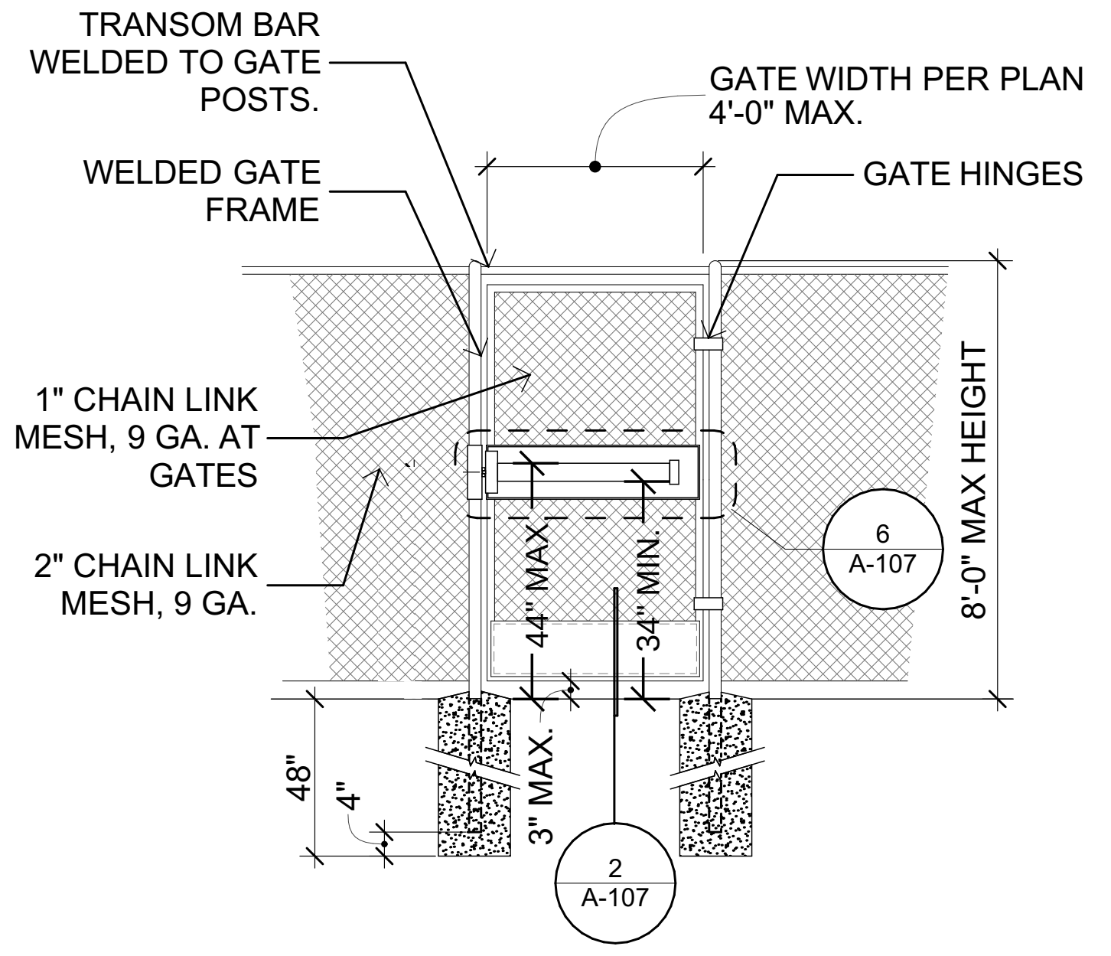
SCALE: 1" = 1'-0"


FENCE POST PER DETAIL
1
A-106
NEW CROWN FTG. 1" AT LANDSCAPE AREAS HOLD TOP OF FTG. 4" BELOW TOP OF CONC. WALK.
1/2" EXPANSION JOINT AROUND COLUMN
CONCRETE PAVING PER PLAN.
36" MIN.
CONCRETE FOOTING
FOOTING DIA. EQUAL TO PIPE SIZE +12", MIN.
6"

NOTE: FOOTINGS SHALL HAVE 1:48 MAX. SLOPE IN ALL DIRECTIONS WITHIN GATE OPENINGS IN PATH OF TRAVEL.

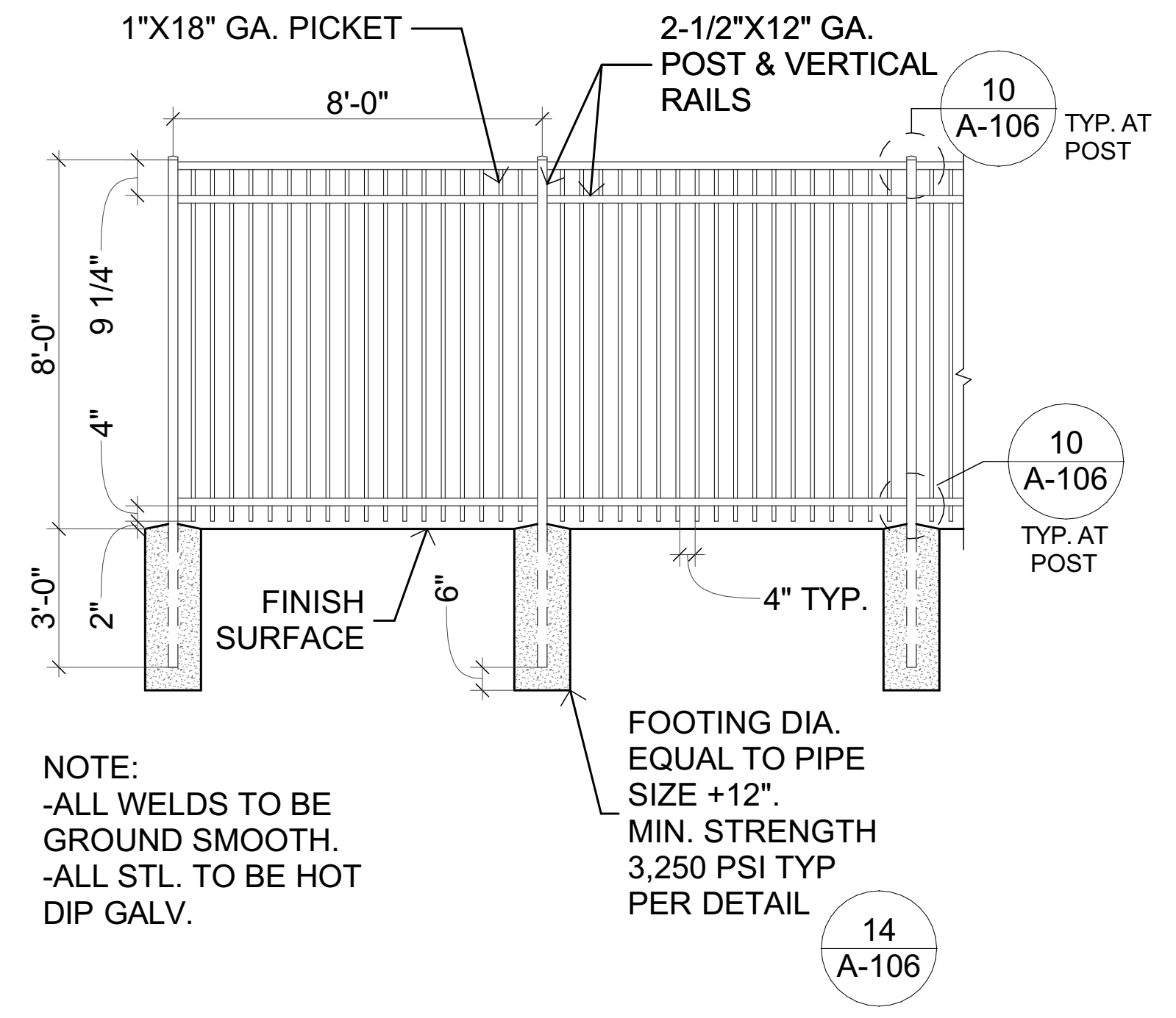
2 FENCING POST

SCALE: 1/2" = 1'-0"


TRANSOM BAR WELDED TO GATE POSTS.
GATE WIDTH PER PLAN 4'-0" MAX.
WELDED GATE FRAME
GATE HINGES
1" CHAIN LINK MESH, 9 GA. AT GATES
2" CHAIN LINK MESH, 9 GA.
6
A-107
8'-0" MAX HEIGHT
44" MAX
34" MIN.
48"
4"
3" MAX.
2
A-107

15 (E) C.L. PED. GATE W/ EXIT DEVICE

SCALE: 3/8" = 1'-0"

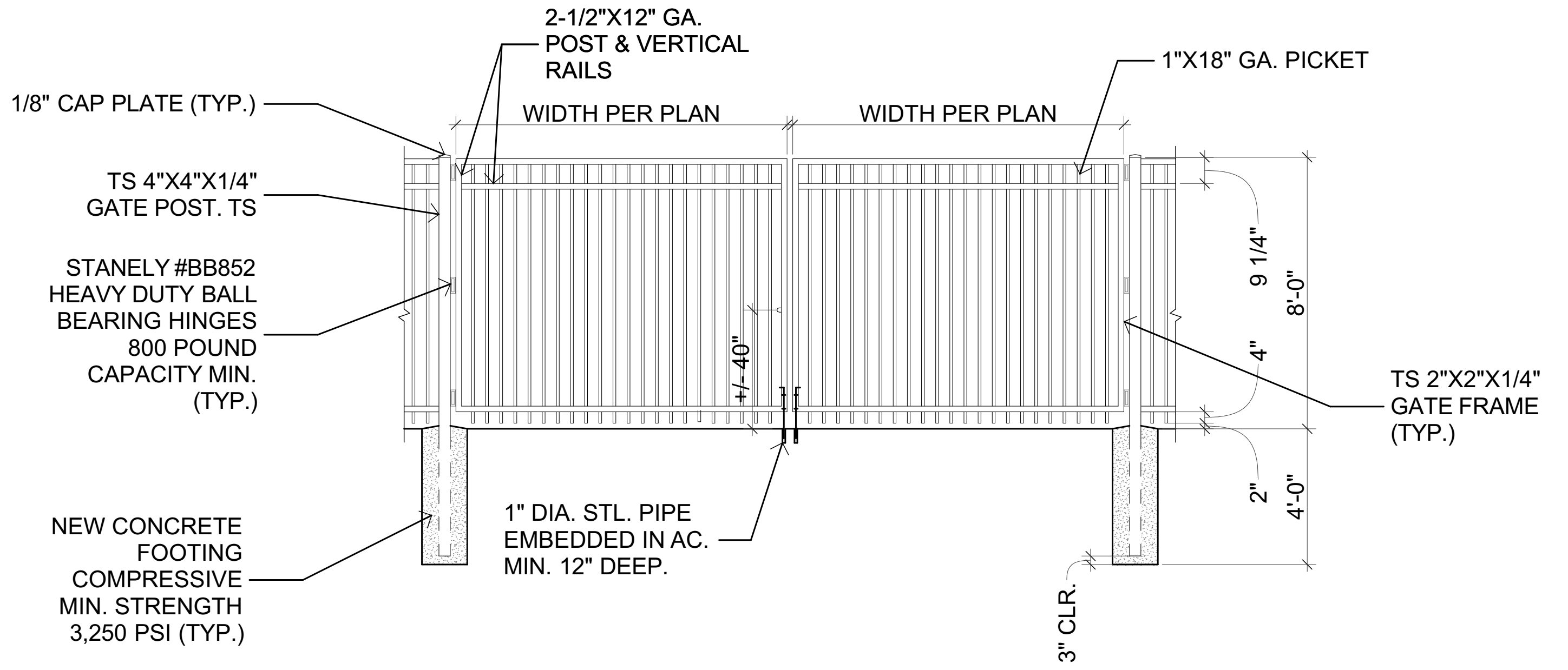


NOTE:
-ALL WELDS TO BE GROUND SMOOTH.
-ALL STL. TO BE HOT DIP GALV.

FOOTING DIA. EQUAL TO PIPE SIZE +12". MIN. STRENGTH 3,250 PSI TYP PER DETAIL 14/A-106

11 STEEL FENCING

SCALE: 1/4" = 1'-0"


2-1/2"X12" GA. POST & VERTICAL RAILS
1"X18" GA. PICKET
1/8" CAP PLATE (TYP.)
WIDTH PER PLAN
WIDTH PER PLAN
TS 4"X4"X1/4" GATE POST. TS
STANELY #BB852 HEAVY DUTY BALL BEARING HINGES 800 POUND CAPACITY MIN. (TYP.)
+/- 40"
9 1/4"
8'-0"
4"
TS 2"X2"X1/4" GATE FRAME (TYP.)
2"
4'-0"
NEW CONCRETE FOOTING COMPRESSIVE MIN. STRENGTH 3,250 PSI (TYP.)
1" DIA. STL. PIPE EMBEDDED IN AC. MIN. 12" DEEP.
3" CLR.

3 STEEL VEHICULAR MAINTENANCE GATE

SCALE: 1/4" = 1'-0"

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

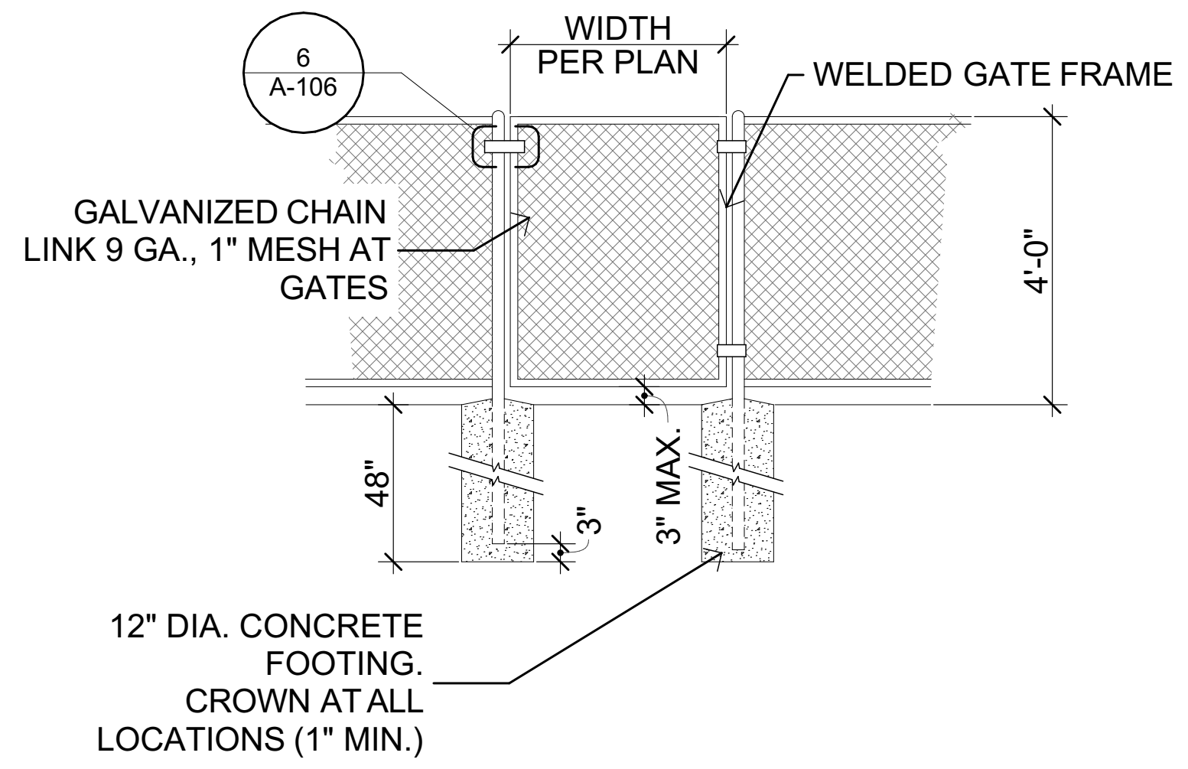
PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/12/2024

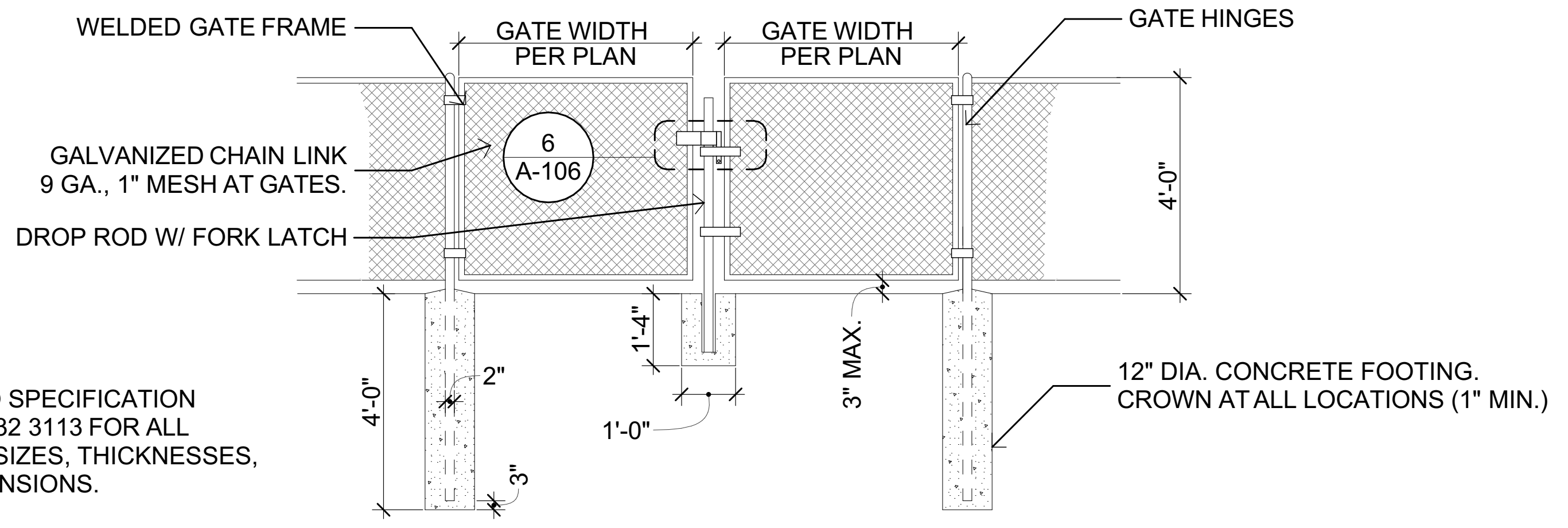
SHEET TITLE

GATE DETAILS


6
A-106
WIDTH PER PLAN
WELDED GATE FRAME
GALVANIZED CHAIN LINK 9 GA., 1" MESH AT GATES
4'-0"
48"
3"
3" MAX.
12" DIA. CONCRETE FOOTING. CROWN AT ALL LOCATIONS (1" MIN.)

12 C.L. SINGLE MAINTENANCE GATE

SCALE: 3/8" = 1'-0"



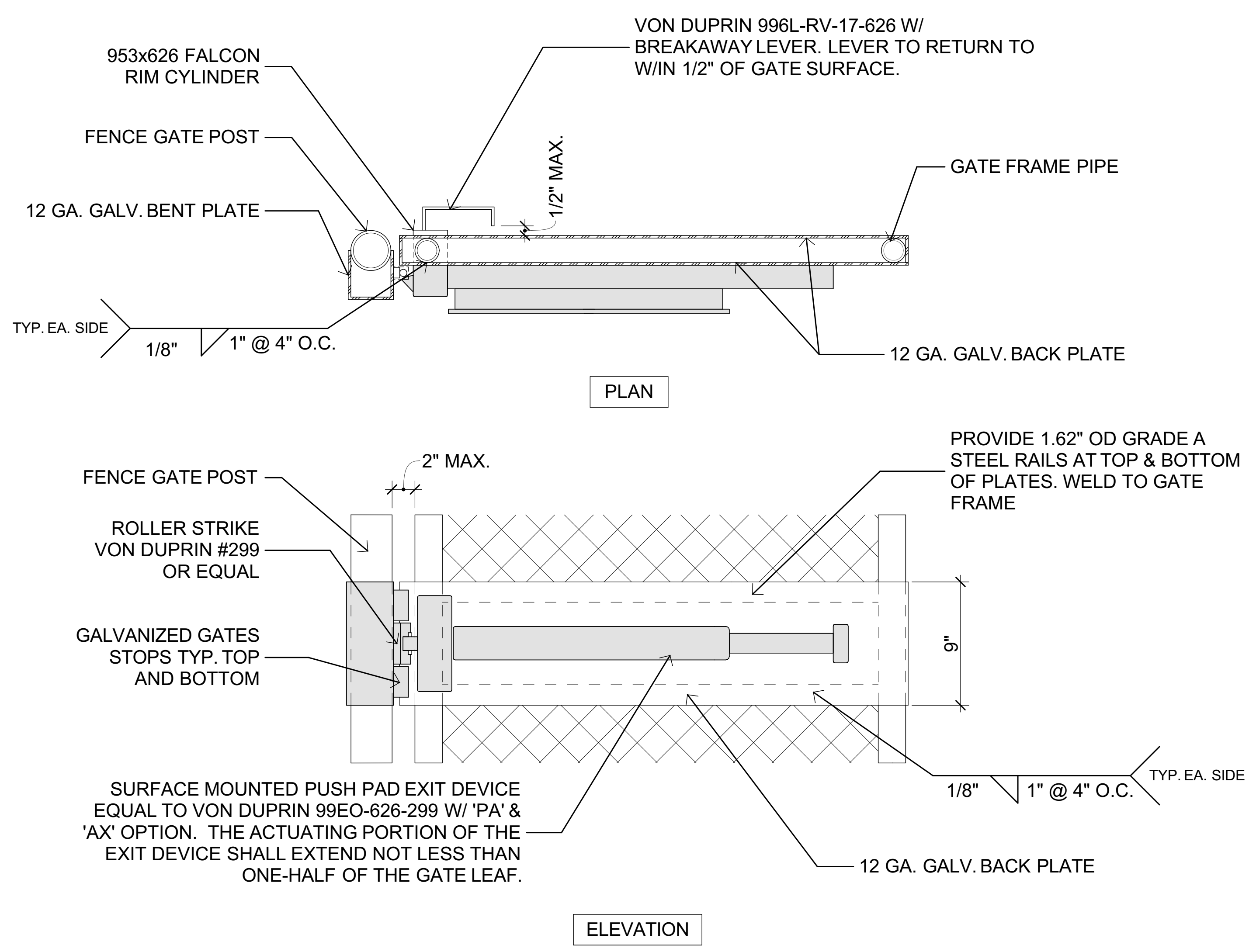
NOTE: REFER TO SPECIFICATION SECTION 32 3113 FOR ALL MEMBER SIZES, THICKNESSES, AND DIMENSIONS.

4 C.L. DBL. LEAF MAINTENANCE GATE

SCALE: 3/8" = 1'-0"

A-106

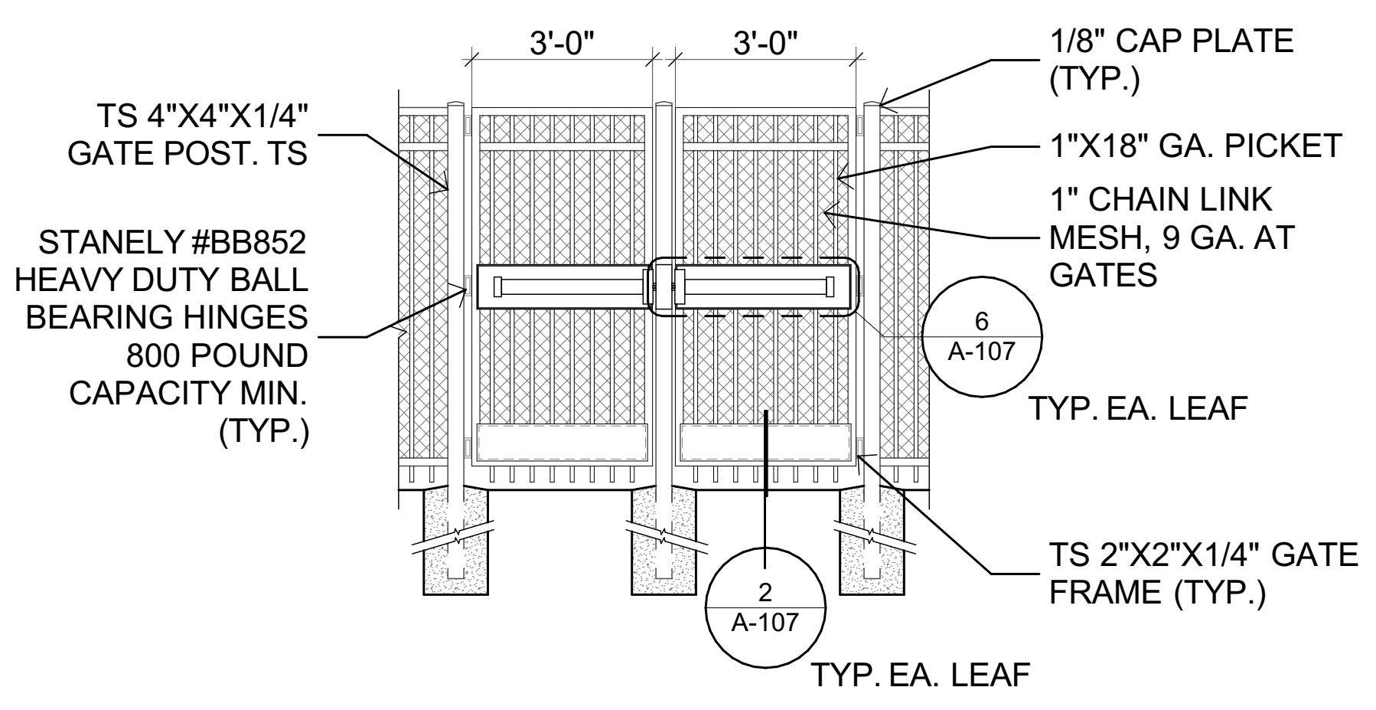
Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln


953x626 FALCON RIM CYLINDER
VON DUPRIN 996L-RV-17-626 W/ BREAKAWAY LEVER. LEVER TO RETURN TO W/IN 1/2" OF GATE SURFACE.
FENCE GATE POST
1/2" MAX.
GATE FRAME PIPE
12 GA. GALV. BENT PLATE
TYP. EA. SIDE
1/8"
1" @ 4" O.C.
12 GA. GALV. BACK PLATE
PLAN
FENCE GATE POST
2" MAX.
PROVIDE 1.62" OD GRADE A STEEL RAILS AT TOP & BOTTOM OF PLATES. WELD TO GATE FRAME
ROLLER STRIKE VON DUPRIN #299 OR EQUAL
9"
GALVANIZED GATES STOPS TYP. TOP AND BOTTOM
SURFACE MOUNTED PUSH PAD EXIT DEVICE EQUAL TO VON DUPRIN 99EO-626-299 W/ "PA" & 'AX' OPTION. THE ACTUATING PORTION OF THE EXIT DEVICE SHALL EXTEND NOT LESS THAN ONE-HALF OF THE GATE LEAF.
1/8"
1" @ 4" O.C.
TYP. EA. SIDE
12 GA. GALV. BACK PLATE
ELEVATION

NOTE
-ALL FINISHED TO BE 626 U.N.O.
-5LB. MAX. OPERATING PRESSURE FOR GATE OPERATION.
-THE OPENING FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL BE 5 POUNDS MAXIMUM PER CBC 11B-404.2.9.
-THE HARDWARE SHALL UNLATCH WITH 5 POUNDS MAXIMUM FORCE PER CBC 11B-309.4.

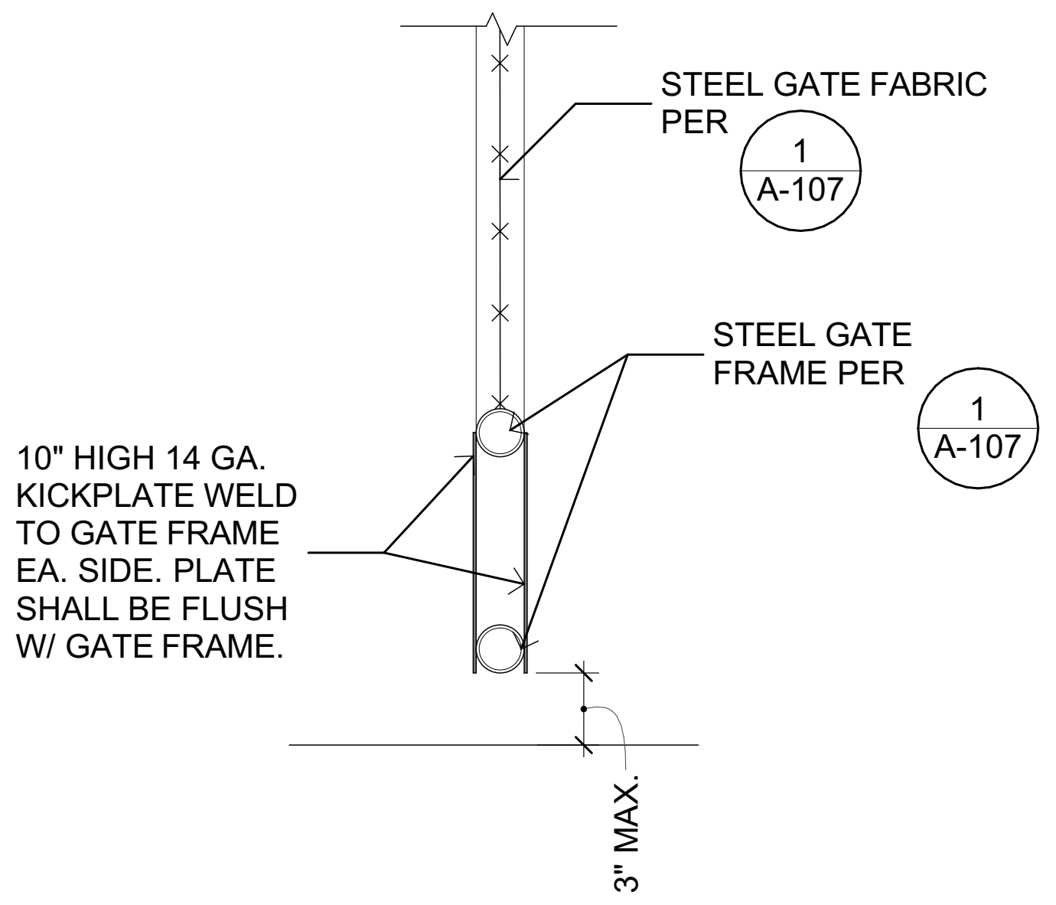
6 (E) EXIT DEVICE

SCALE: 1 1/2" = 1'-0"


3'-0"
3'-0"
TS 4"X4"X1/4" GATE POST. TS
STANELY #BB852 HEAVY DUTY BALL BEARING HINGES 800 POUND CAPACITY MIN. (TYP.)
1/8" CAP PLATE (TYP.)
1"X18" GA. PICKET
1" CHAIN LINK MESH, 9 GA. AT GATES
6 A-107
TYP. EA. LEAF
2 A-107
TYP. EA. LEAF
TS 2"X2"X1/4" GATE FRAME (TYP.)

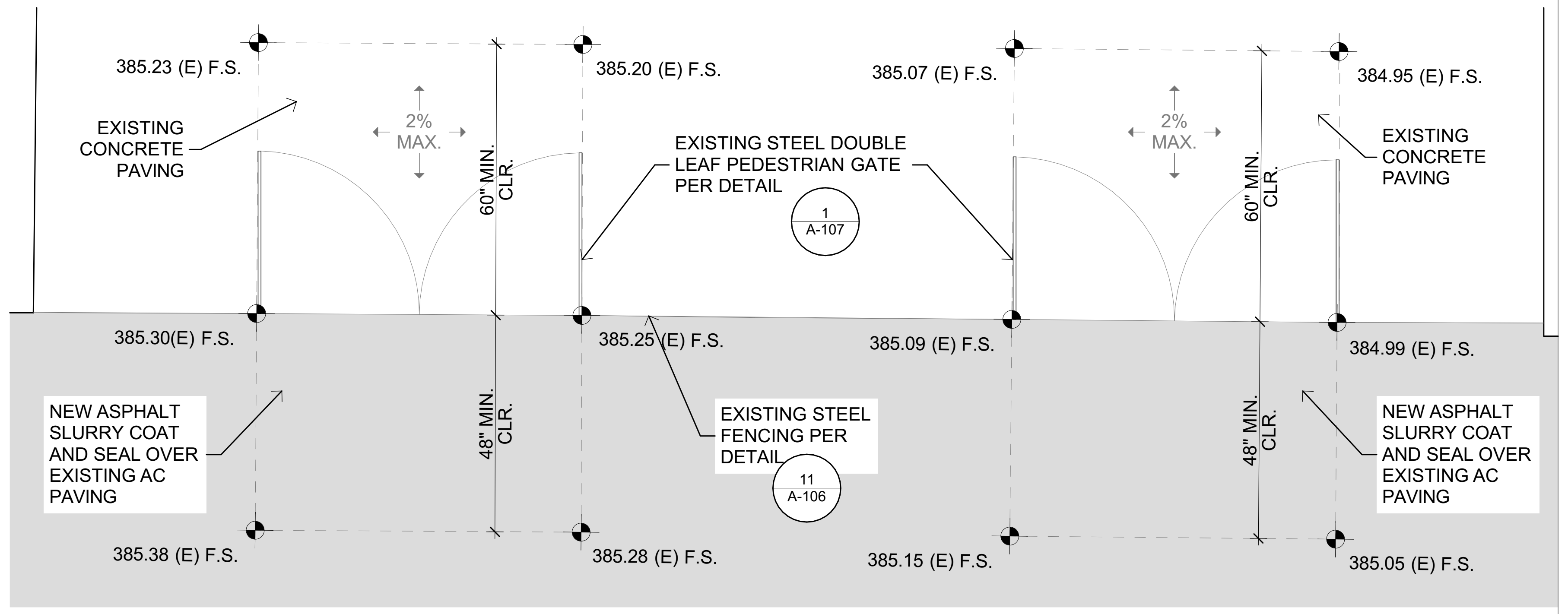
1 (E) STEEL PED. GATE W/ EXIT DEVICE

SCALE: 1/4" = 1'-0"


STEEL GATE FABRIC PER
1 A-107
STEEL GATE FRAME PER
1 A-107
10" HIGH 14 GA. KICKPLATE WELD TO GATE FRAME EA. SIDE. PLATE SHALL BE FLUSH W/ GATE FRAME.
3" MAX.

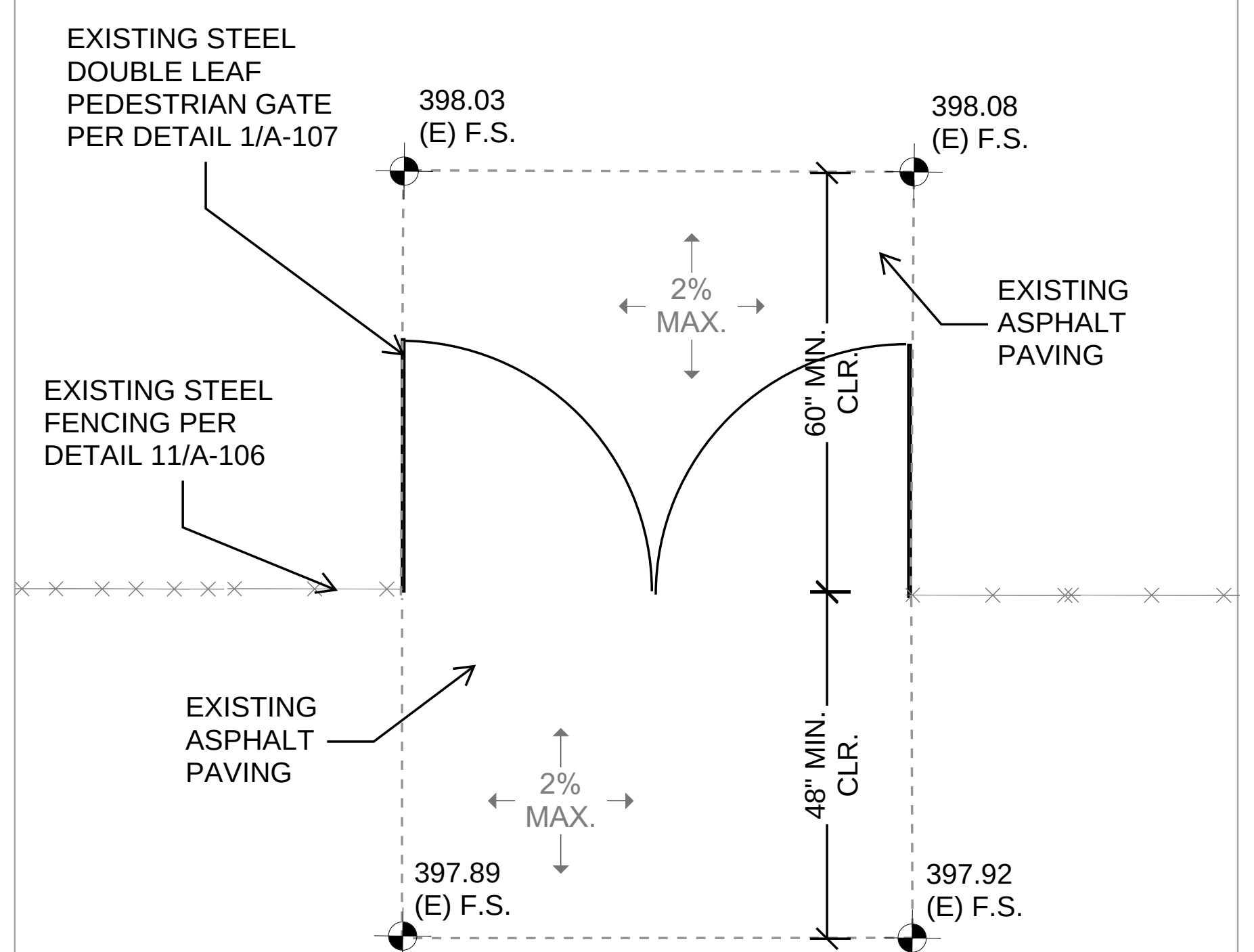
2 (E) KICKPLATE

SCALE: 1 1/2" = 1'-0"



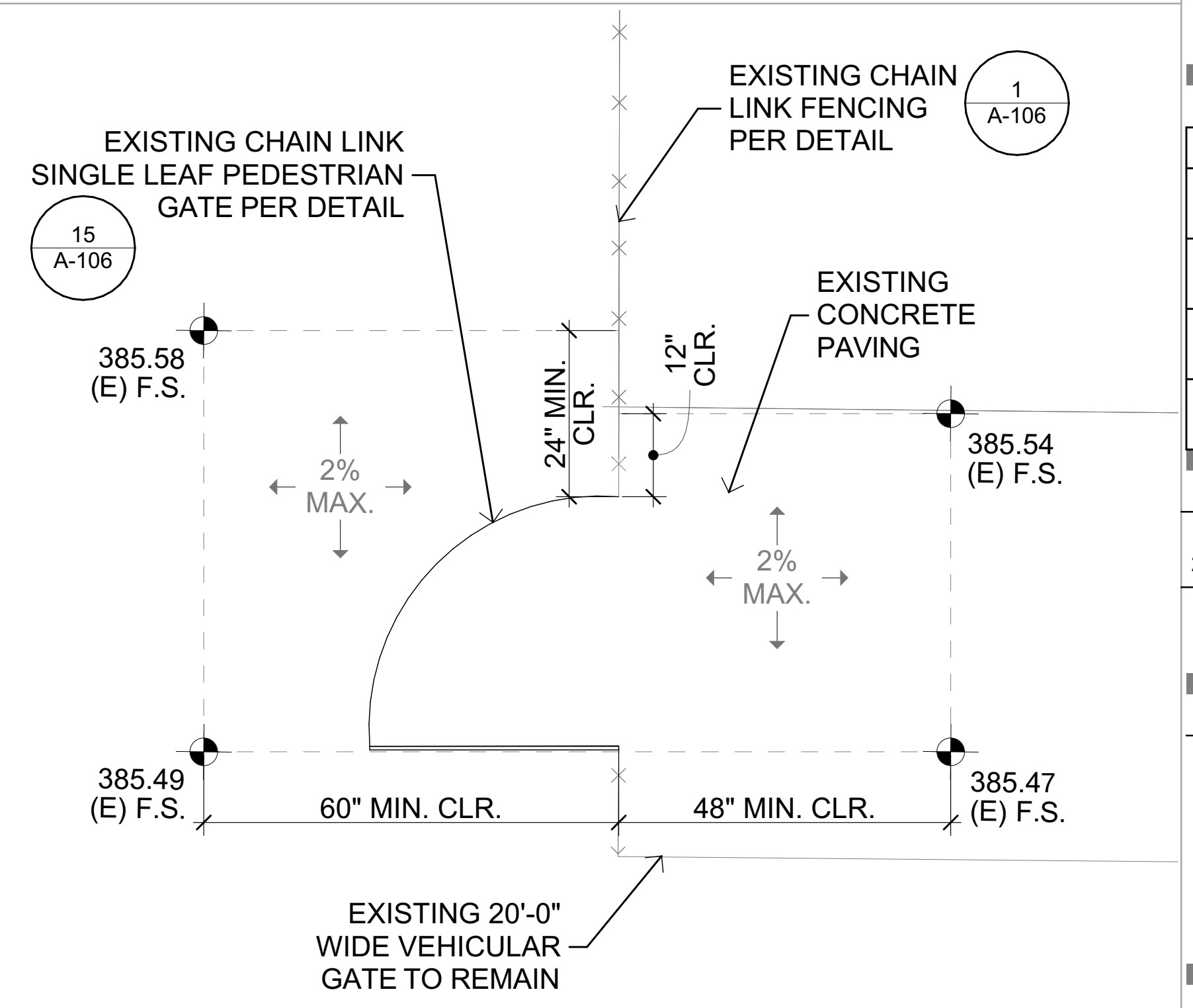
3 (E) ENLARGED GATE PLAN

SCALE: 1/2" = 1'-0"



5 (E) ENLARGED GATE PLAN

SCALE: 1/2" = 1'-0"



4 (E) ENLARGED GATE PLAN

SCALE: 1/2" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/12/2024

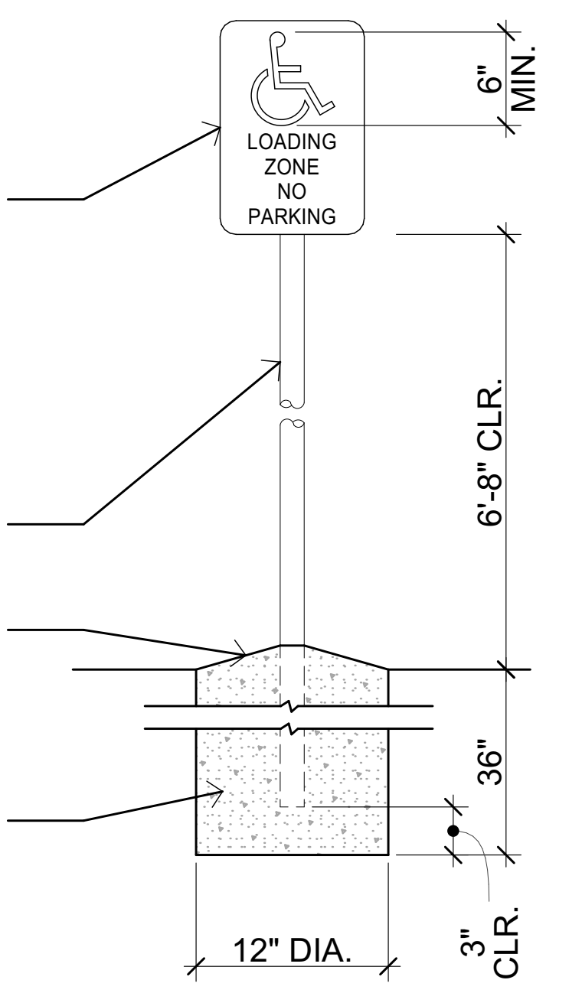
SHEET TITLE

GATE DETAILS

A-107

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

NOTE: THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1.



(E) 18"X27" - .062 THK. ALUMINUM SIGN. REFLECTIVE WHITE INTERNATIONAL SYMBOL OF ACCESSEIBILITY ON BLUE BACKGROUND. BLUE COLOR SHALL BE EQUAL TO COLOR #15090 IN FED. STANDARD 595C. LETTERS SHALL BE 2" AND WHITE IN COLOR. SIGN SHALL BE A MINIMUM OF 70 SQ. INCHES IN SIZE.

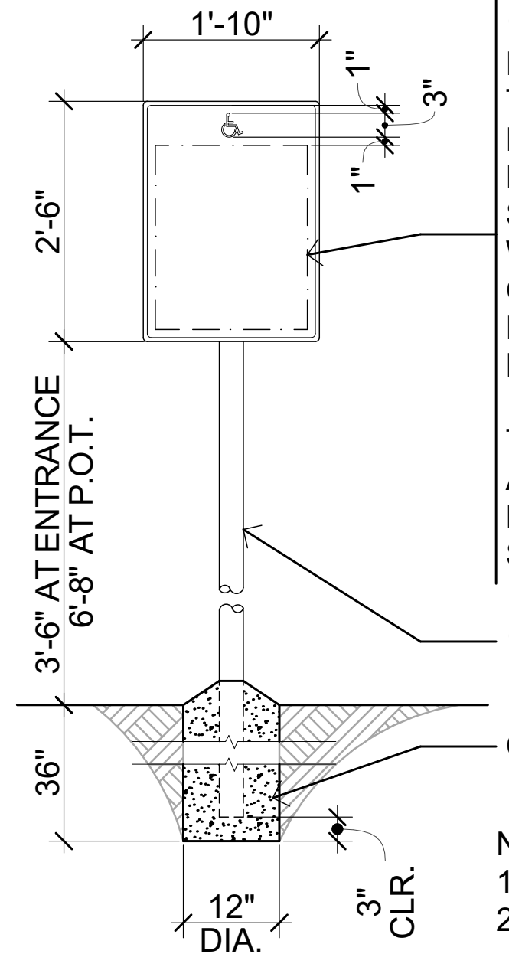
(E) 1-1/2" DIA. GALV. STEEL PIPE SIGN POST.

MAXIMUM 2%

CONCRETE FOOTING

5 (E) LOADING ZONE SIGNAGE

SCALE: 1" = 1'-0"



PAINT BLUE BACKGROUND WITH WHITE SYMBOL, LETTERS, NUMBERS, AND BORDER STRIPE.

18"x22" - .062" THK. ALUMINUM SIGN WITH MIN. 1" HIGH WHITE LETTERING ON BLUE BACKGROUND TO READ: "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR SPECIAL LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT THE OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT: VISTA SHERIFF DEPARTMENT OR BY TELEPHONING: 760-940-4551

TEXT SHALL BE APPROVED BY THE OWNER AND ARCHITECT PRIOR TO FABRICATION AND ALL LETTERING SHALL BE A PERMANENT PART OF THE SIGN.

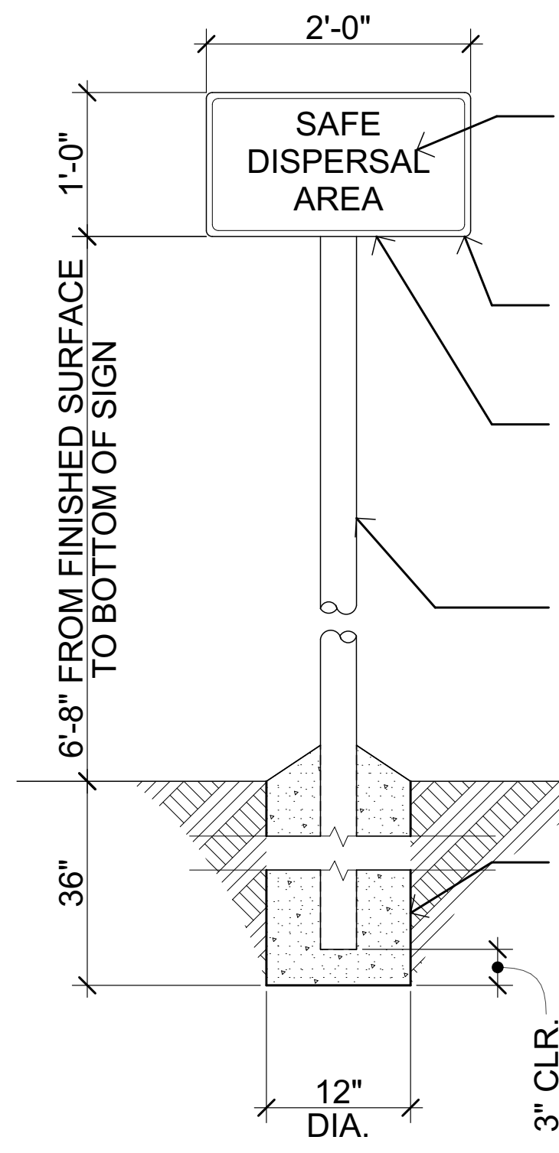
1-1/2" DIA. STEEL PIPE SIGN POST

CONCRETE FOOTING

NOTES"
1. ALL STEEL SHALL BE GALVANIZED.
2. SPACE BETWEEN TEXT LINES SHALL BE 5/16".

1 (E) ACS TOW AWAY SIGNAGE

SCALE: 1/2" = 1'-0"



2" TALL BLACK LETTERING SANS SERIF FONT

1-1/2" RADIUS CORNERS (TYP.)

.063" REFLECTIVE ALUMINUM SIGN. COLOR TO BE SELECTED BY ARCHITECT

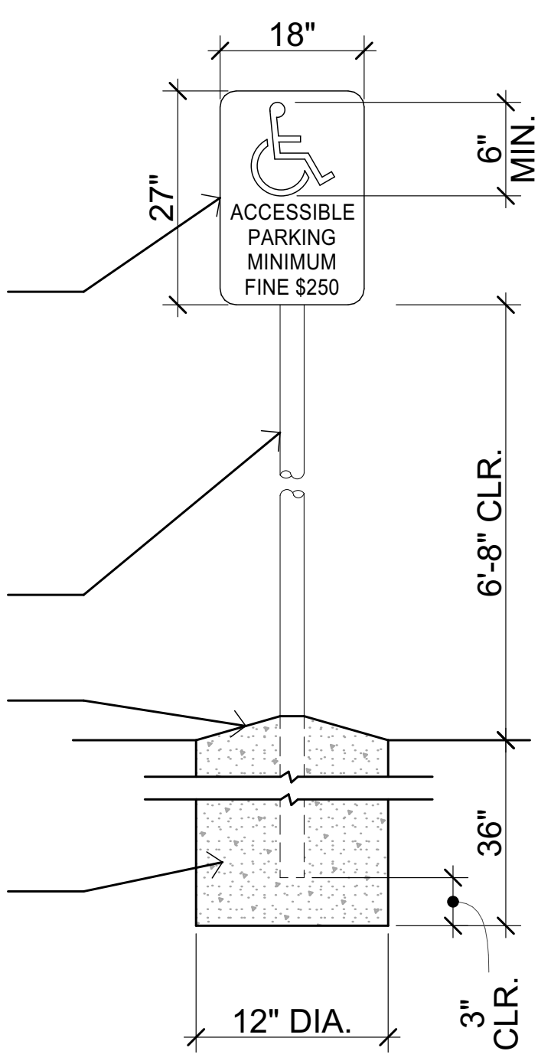
1-1/2" DIAMETER GALVANIZED STEEL SIGN POST

CONCRETE FOOTING

2 SAFE DISPERSAL AREA SIGNAGE

SCALE: 3/4" = 1'-0"

NOTE: THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1.



(E) 18"X27" - .062 THK. ALUMINUM SIGN. REFLECTIVE WHITE INTERNATIONAL SYMBOL OF ACCESSIBILITY ON BLUE BACKGROUND. BLUE COLOR SHALL BE EQUAL TO COLOR #15090 IN FED. STANDARD 595C. LETTERS SHALL BE 2" AND WHITE IN COLOR. SIGN SHALL BE A MINIMUM OF 70 SQ. INCHES IN SIZE.

(E) 1-1/2" DIA. GALV. STEEL PIPE SIGN POST.

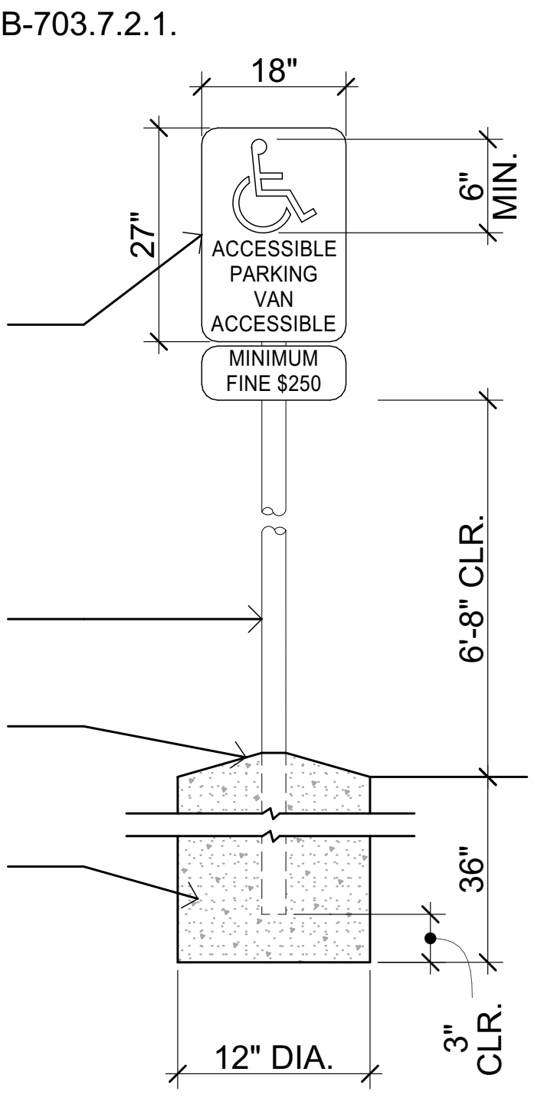
MAXIMUM 2%

CONCRETE FOOTING

3 (E) ACS STALL SIGN

SCALE: 1" = 1'-0"

NOTE: THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL COMPLY WITH FIGURE 11B-703.7.2.1.



(E) 18"X27" - .062 THK. ALUMINUM SIGN. REFLECTIVE WHITE INTERNATIONAL SYMBOL OF ACCESSIBILITY ON BLUE BACKGROUND. BLUE COLOR SHALL BE EQUAL TO COLOR #15090 IN FED. STANDARD 595C. LETTERS SHALL BE 2" AND WHITE IN COLOR. SIGN SHALL BE A MINIMUM OF 70 SQ. INCHES IN SIZE.

(E) 1-1/2" DIA. GALV. STEEL PIPE SIGN POST.

MAXIMUM 2%

CONCRETE FOOTING

4 (E) ACS VAN STALL SIGN

SCALE: 1" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

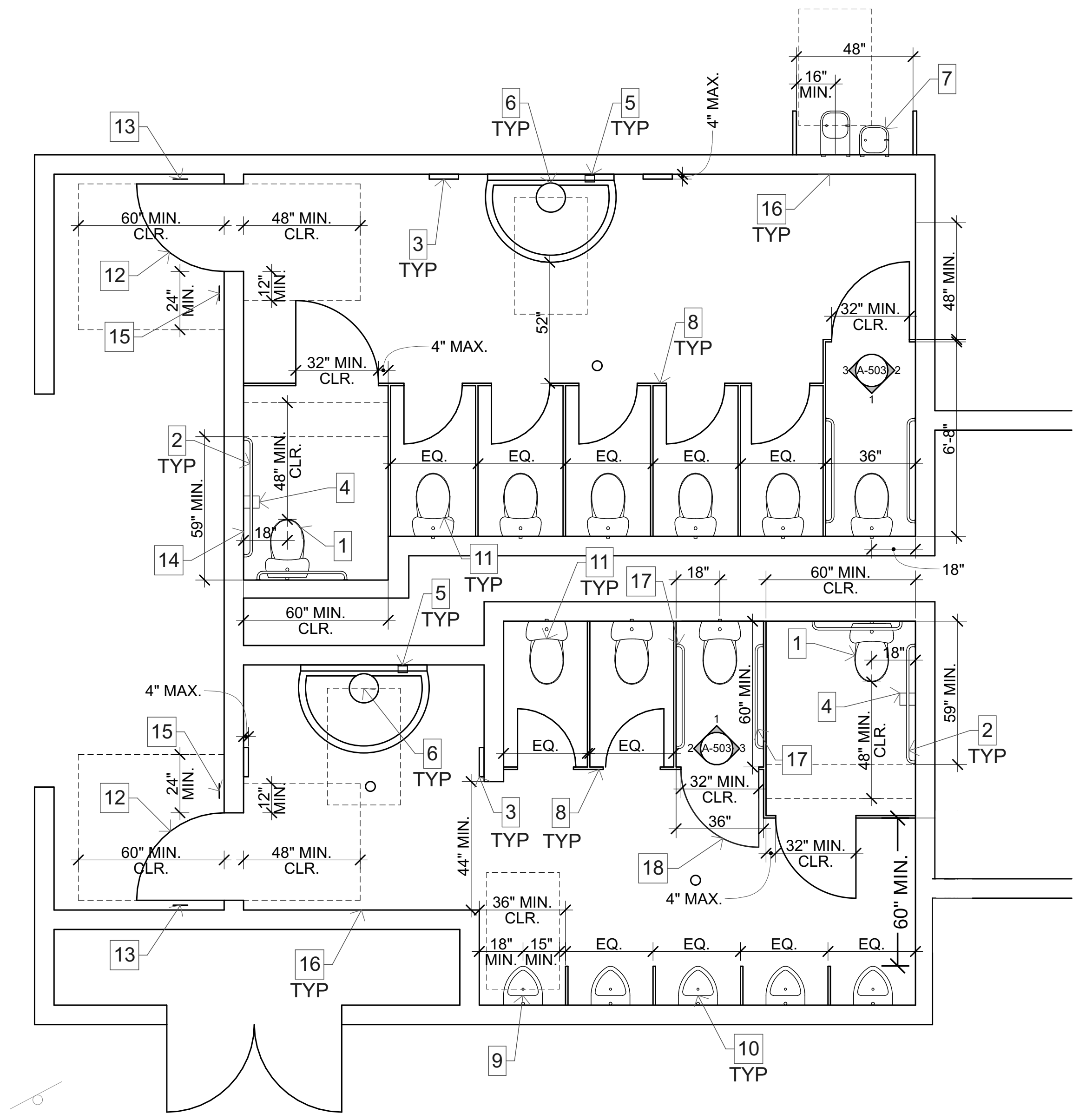
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/12/2024

SHEET TITLE

SIGNAGE DETAILS

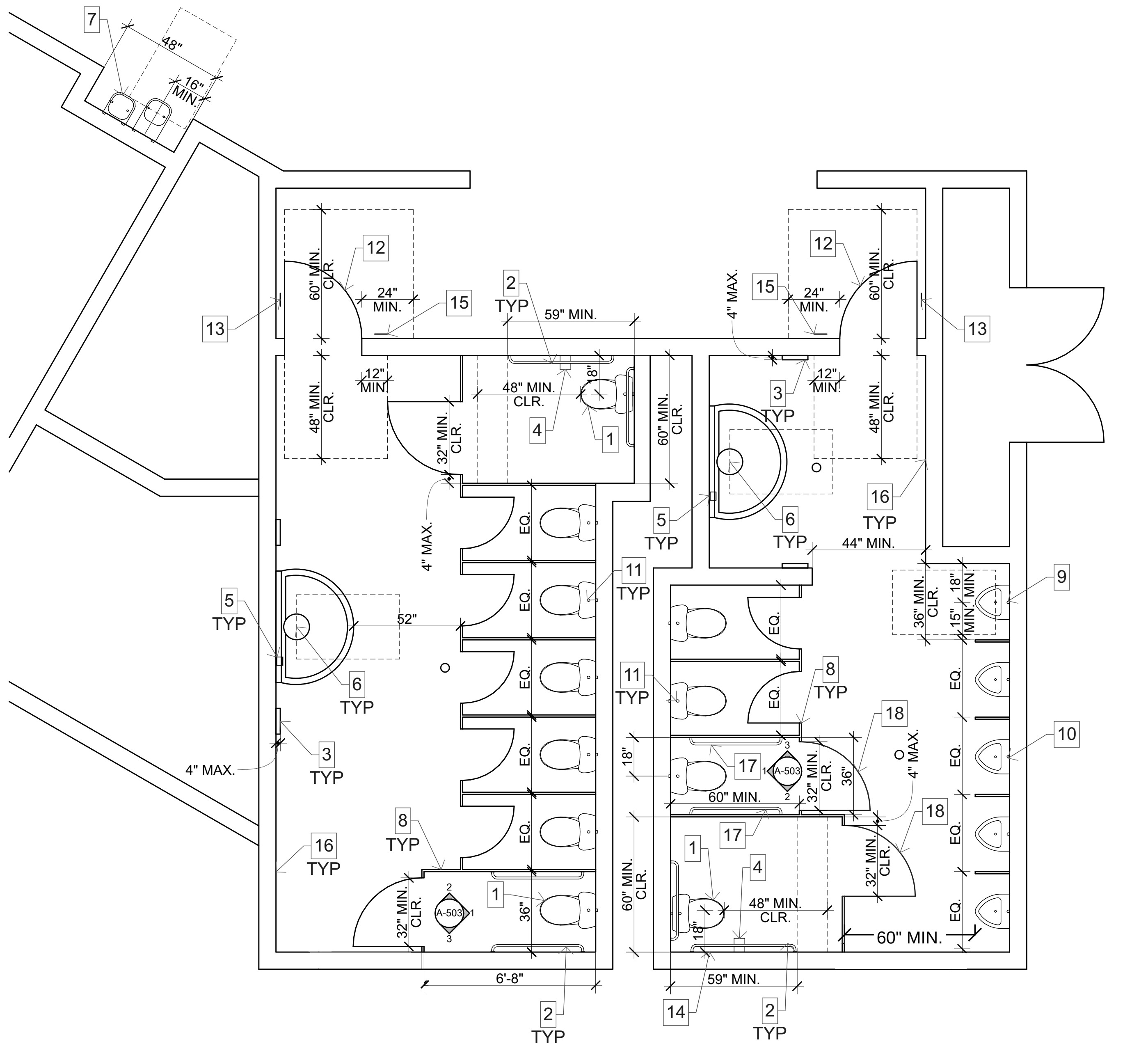
A-108



1 HOME RESTROOMS

SCALE: 1/4" = 1'-0"

AGE GROUP: ADULT
RESTROOM LOCATION PER PLAN A-101
EXISTING BATHROOM PER DSA APPROVED A#04-104972



2 VISITORS RESTROOM

SCALE: 1/4" = 1'-0"

AGE GROUP: ADULT
RESTROOM LOCATION PER PLAN A-101
EXISTING BATHROOM PER DSA APPROVED A#04-104972

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

NOTES

1. EXISTING ACCESSIBLE FLOOR MOUNTED WATER CLOSET PER DETAIL 3/A-502 AND DSA APPROVED A#04-104972 .
2. EXISTING STAINLESS STEEL GRAB BAR. REFER TO DETAILS 4, 5, 15 & 16/A-502 FOR LENGTH & MOUNTING HEIGHT. REFER TO DSA APPROVED A#04-104972 .
3. EXISTING SURFACE MOUNTED HAND DRYER WITH ADA RECESSED KITS. REFER TO DETAIL 7/A-502 AND DSA APPROVED A#04-104972 .
4. EXISTING SURFACE MOUNTED TOILET TISSUE DISPENSER - 3" MAX PROJECTION. REFER TO DETAILS 5 & 7/A-502 AND DSA APPROVED A#04-104972 .
5. EXISTING SURFACE MOUNTED LIQUID SOAP DISPENSER. REFER TO DETAIL 7/A-502 AND DSA APPROVED A#04-104972 .
6. EXISTING ACCESSIBLE LAVATORY.REFER TO DETAILS 1 & 2/ A-502 AND DSA APPROVED A#04-104972 .
7. EXISTING ACCESSIBLE DUAL HEIGHT DRINKING FOUNTAIN WITH HYDRATION STATION. REFER TO DETAIL 8/A-502 .
8. EXISTING FLOOR TO CEILING TOILET PARTITIONS. REFER TO DETAIL 4 /A-502 .
9. EXISTING ACCESIBLE URINAL. REFER TO DETAIL 6/A-502 AND DSA APPROVED A#04-104972 .
10. EXISTING STANDARD URINAL. REFER TO A#04-104972 .
11. EXISTING STANDARD FLOOR MOUNTED WATER CLOSET. REFER TO DSA APPROVED A#04-104972 .
12. EXISTING DOOR TO REMAIN. REFER TO DSA APPROVED A#04-104972 .
13. EXISTING GEOMETRIC RESTROOM DOOR SIGNAGE. REFER TO DETAIL 10/A-502 AND DSA APPROVED A#04-104972 .
14. EXISTING SURFACE MOUNTED SANITARY NAPKIN DISPOSAL UNIT LOCATED IN GENDER NEUTRAL, STAFF, AND GIRLS RESTROOMS. REFER TO DETAIL 7/A-502 FOR MOUNTING HEIGHT AND DSA APPROVED A#04-104972 .
15. EXISTING RESTROOM WALL SIGNAGE. REFER TO DETAIL 9/A-502 AND DSA APPROVED A#04-104972 .
16. EXISTING STAINLESS STEEL FRAMED MIRROR. BOTTOM EDGE OF REFLECTING SURFACE IS 12" ABOVE F.F.
17. NEW STAINLESS STEEL GRAB BAR ON BOTH SIDES OF STALL. REFER TO DETAILS 4, 5, 15 & 16/A-502 FOR LENGTH & MOUNTING HEIGHT .
18. NEW PARTITION DOOR.

GENERAL NOTES

1. ALL DIMENSIONS SHALL BE TO FACE OF FINISH.
2. ALL DIMENSIONS ARE EXISTING U.N.O.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/12/2024

SHEET TITLE

ENLARGED RESTROOM PLANS

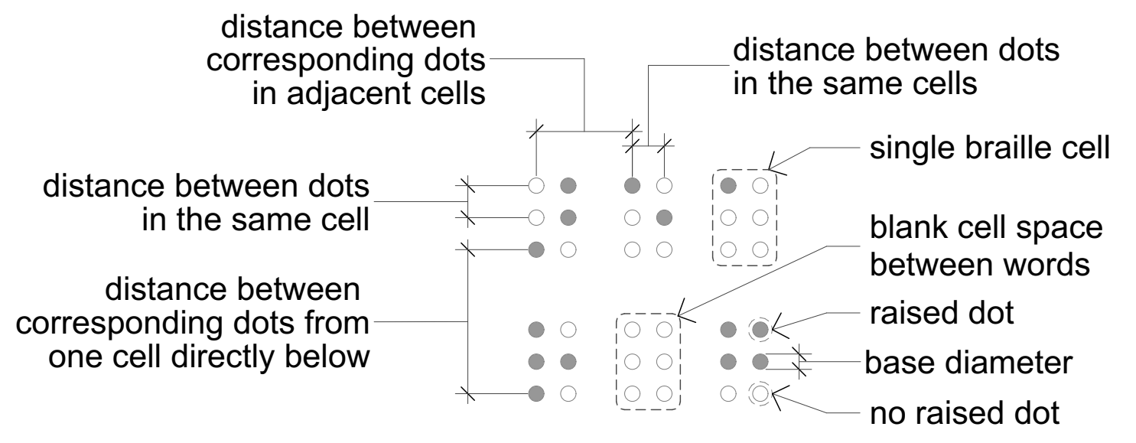
A-501

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

1. CHARACTER TYPE: CHARACTERS ON SIGNS ARE RAISED 1/32" INCH (0.794 MM) MINIMUM AND ARE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE.
2. CHARACTER SIZE: RAISED CHARACTERS ARE A MINIMUM OF 5/8" HIGH AND A MAX OF 2" HIGH.
3. FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS, AND THEIR BACKGROUND IS 70% MINIMUM AND HAS A NON-GLARE FINISH. 11B-703
4. PROPORTIONS: RAISED CHARACTERS ON SIGNS ARE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". STROKE THICKNESS OF THE UPPERCASE LETTER "I" IS 15 PERCENT MAXIMUM OF THE HEIGHT OF THE CHARACTER.
5. CHARACTER SPACING ARE MEASURED BETWEEN THE TWO CLOSEST POINTS OF ADJACENT RAISED CHARACTERS WITHIN A MESSAGE, EXCLUDING WORD SPACES. WHERE CHARACTERS HAVE RECTANGULAR CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS ARE 1/8 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM. WHERE CHARACTERS HAVE OTHER CROSS SECTIONS, SPACING BETWEEN INDIVIDUAL RAISED CHARACTERS ARE 1/16 INCH MINIMUM AND 4 TIMES THE CHARACTER STROKE WIDTH MAX. AT THE BASE OF THE CROSS SECTIONS, AND 1/8 INCH MINIMUM AND 4 TIMES THE RAISED CHARACTER STROKE WIDTH MAXIMUM AT THE TOP OF THE CROSS SECTIONS. CHARACTERS ARE SEPARATED FROM RAISED BORDERS AND DECORATIVE ELEMENTS 3/8 INCH MINIMUM.
6. SPACING BETWEEN THE BASELINES OF SEPARATE LINES OF RAISED CHARACTERS WITHIN A MESSAGE ARE 135 PERCENT MINIMUM AND 170 PERCENT MAXIMUM OF THE RAISED CHARACTER HEIGHT.

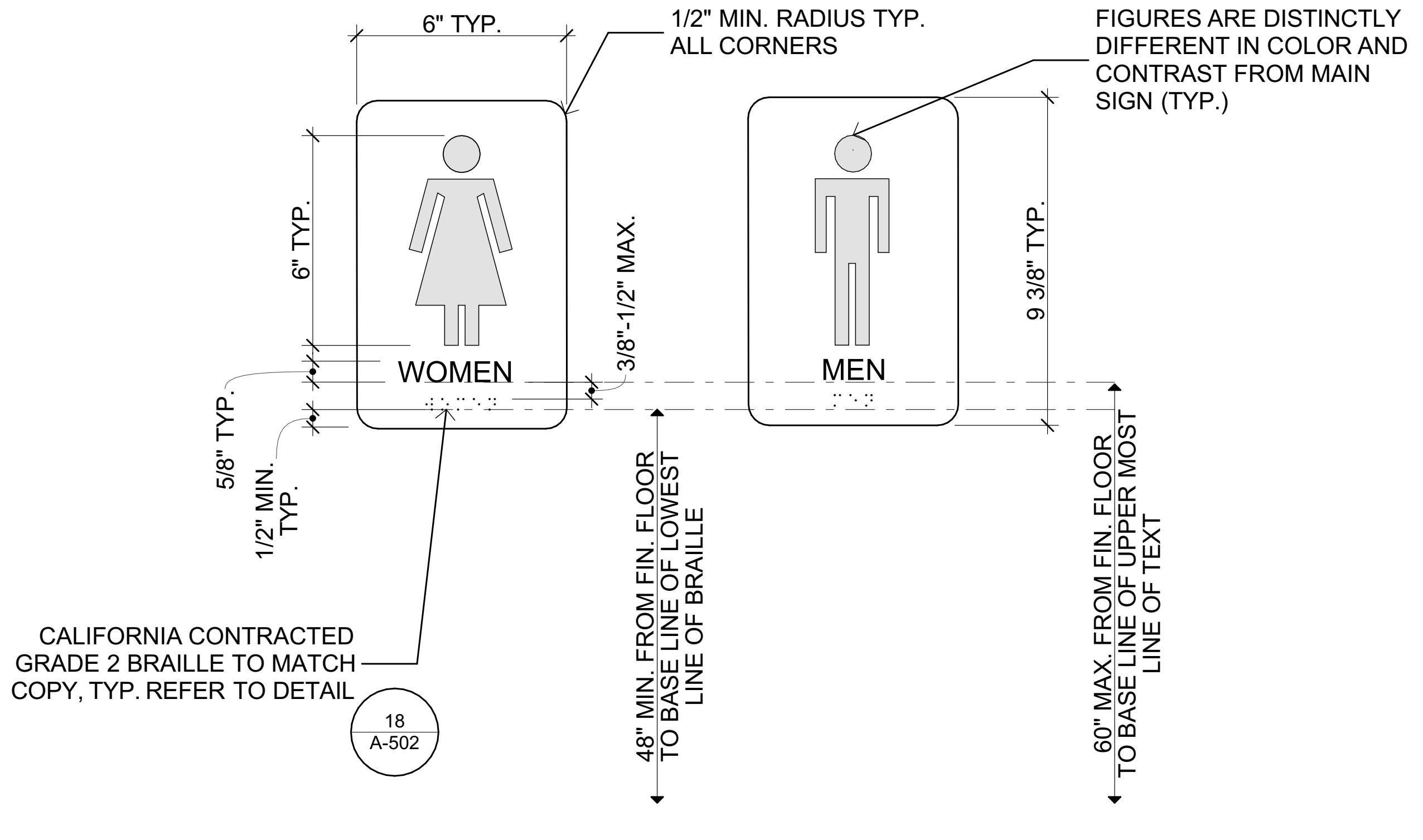
MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIAMETER	0.059 (1.5 mm) to 0.063 (1.6 mm)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL¹	0.100 (2.5 mm)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS¹	0.300 (7.6 mm)
DOT HEIGHT	0.025 (0.6 mm) to 0.037 (0.9 mm)
DISTANCE BETWEEN CORRESPONDING DORS FROM ONE CELL DIRECTLY BELOW¹	0.395 (10 mm) to 0.400 (10.2 mm)

1. MEASURED CENTER TO CENTER.

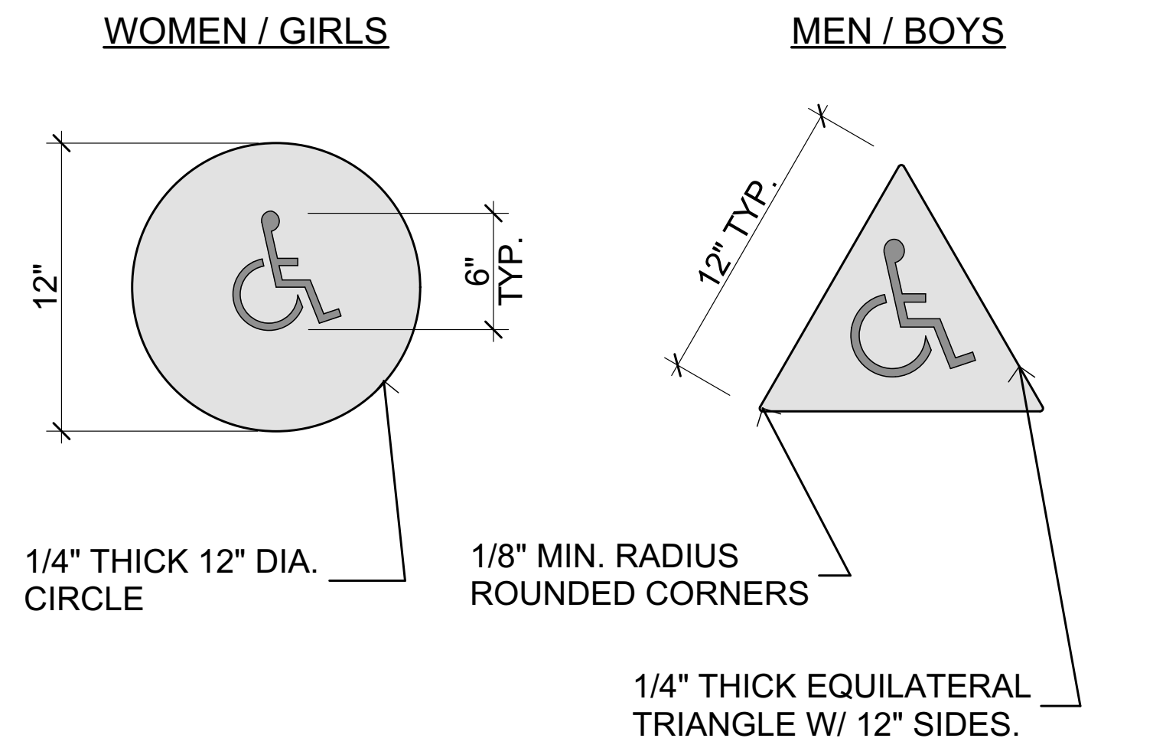

distance between corresponding dots in adjacent cells
distance between dots in the same cells
single braille cell
distance between dots in the same cell
blank cell space between words
distance between corresponding dots from one cell directly below
raised dot
base diameter
no raised dot

REQUIRED ROUNDED OR DOMED CONTRACTED CALIFORNIA BRAILLE (GRADE 2) DOTS, EACH DISTINCT AND SEPARATE. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS. SQUARE DOT NOT ACCEPTABLE.

18 (E) BRAILLE
SCALE: 1" = 1'-0"


6" TYP.
1/2" MIN. RADIUS TYP. ALL CORNERS
FIGURES ARE DISTINCTLY DIFFERENT IN COLOR AND CONTRAST FROM MAIN SIGN (TYP.)
6" TYP.
3/8"-1/2" MAX.
9 3/8" TYP.
WOMEN
MEN
5/8" TYP.
1/2" MIN. TYP.
CALIFORNIA CONTRACTED GRADE 2 BRAILLE TO MATCH COPY, TYP. REFER TO DETAIL
18
A-502
48" MIN. FROM FIN. FLOOR TO BASE LINE OF LOWEST LINE OF BRAILLE
60" MAX. FROM FIN. FLOOR TO BASE LINE OF UPPER MOST LINE OF TEXT

9 (E) RESTROOM WALL SIGNAGE
SCALE: 3" = 1'-0"

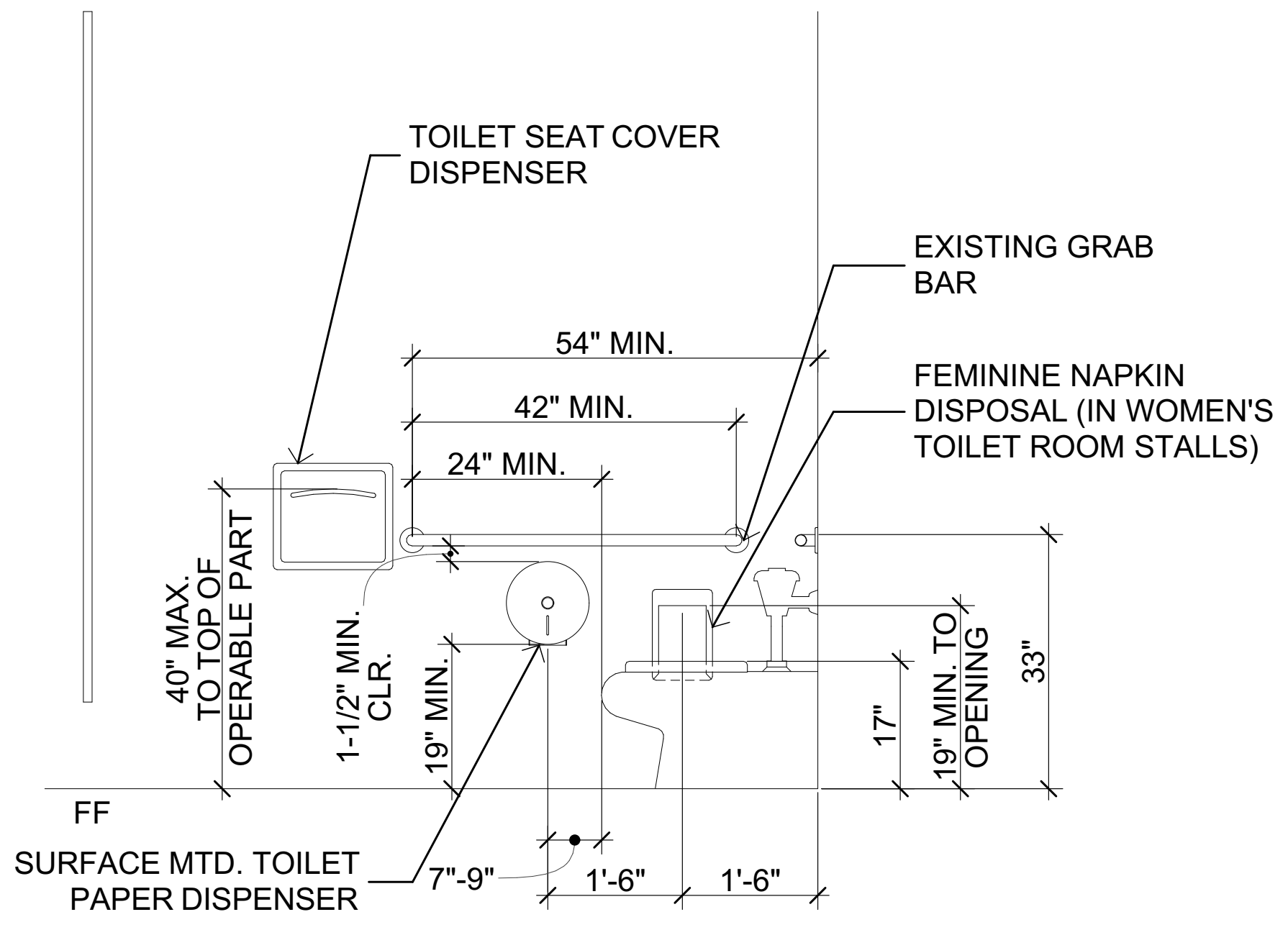

WOMEN / GIRLS
MEN / BOYS
12"
6" TYP.
12" TYP.
1/4" THICK 12" DIA. CIRCLE
1/8" MIN. RADIUS ROUNDED CORNERS
1/4" THICK EQUILATERAL TRIANGLE W/ 12" SIDES.

NOTE:

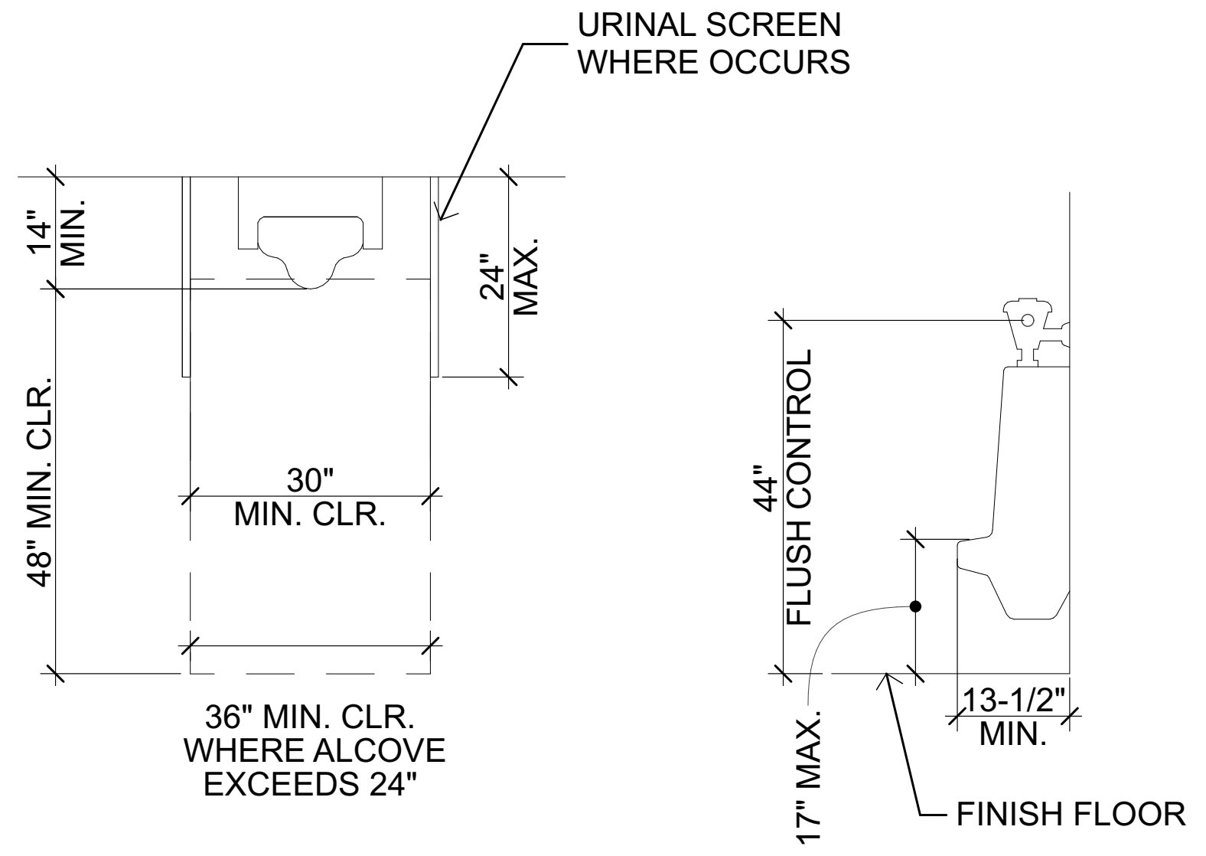
SYMBOLS ARE DISTINCTLY DIFFERENT FROM THE DOOR IN COLOR AND CONTRAST.

SIGN IS CENTERED ON DOOR AND MOUNTED 60" A.F.F. TO THE CENTER OF THE SIGN.

10 (E) RESTROOM DOOR SIGNAGE
SCALE: 1 1/2" = 1'-0"

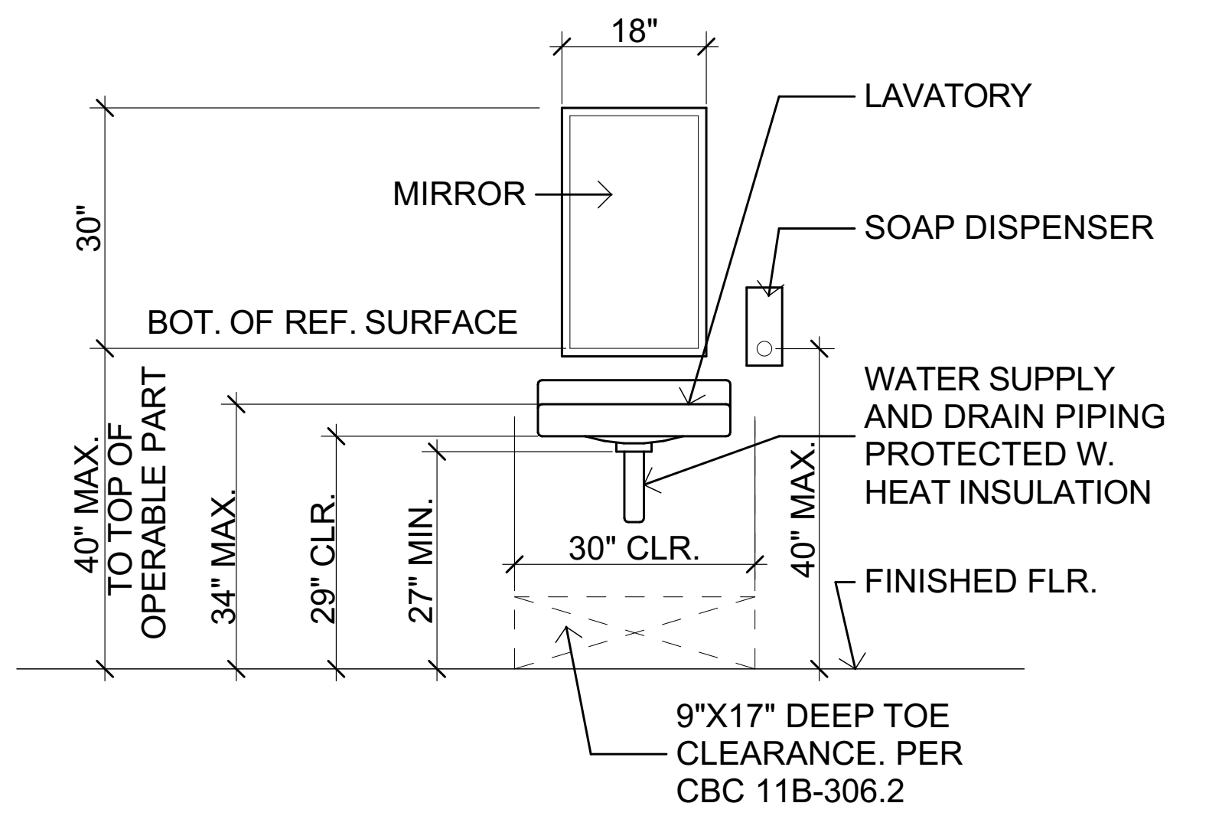

TOILET SEAT COVER DISPENSER
EXISTING GRAB BAR
FEMININE NAPKIN DISPOSAL (IN WOMEN'S TOILET ROOM STALLS)
54" MIN.
42" MIN.
24" MIN.
40" MAX. TO TOP OF OPERABLE PART
1-1/2" MIN. CLR.
19" MIN.
17" MIN.
19" MIN. TO OPENING
33"
FF
SURFACE MTD. TOILET PAPER DISPENSER
7"-9"
1'-6"
1'-6"

5 (E) ACS STALL SIDE ELEVATION
SCALE: 1/2" = 1'-0"



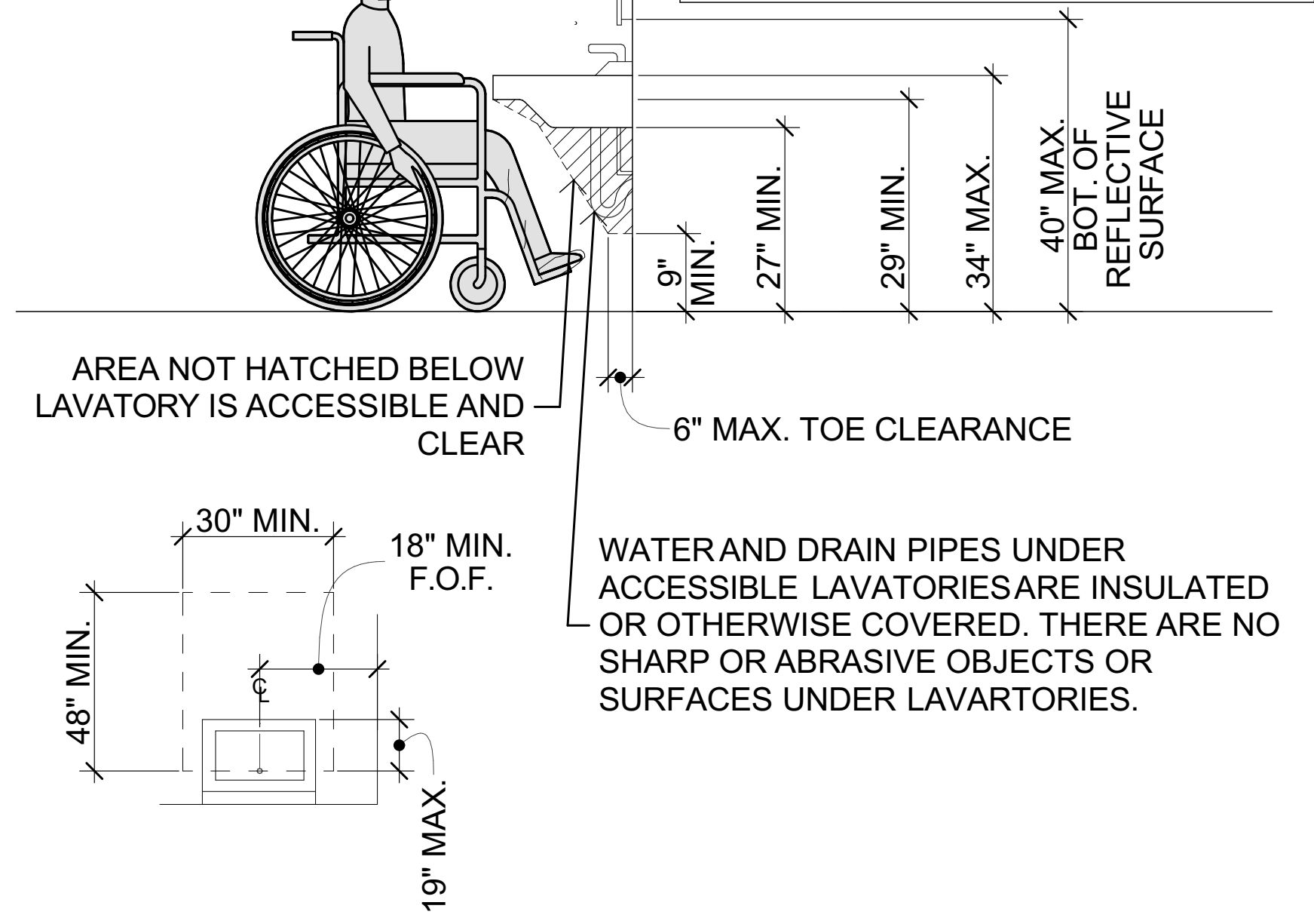
6 (E) ACS URINAL
SCALE: 1/2" = 1'-0"

LOCATE ALL ACCESSIBLE COMPONENTS OF TOILET ROOM ACCESSORIES WITHIN 40" OF FINISH FLOOR AND NOT BELOW 24" FROM FINISH FLOOR

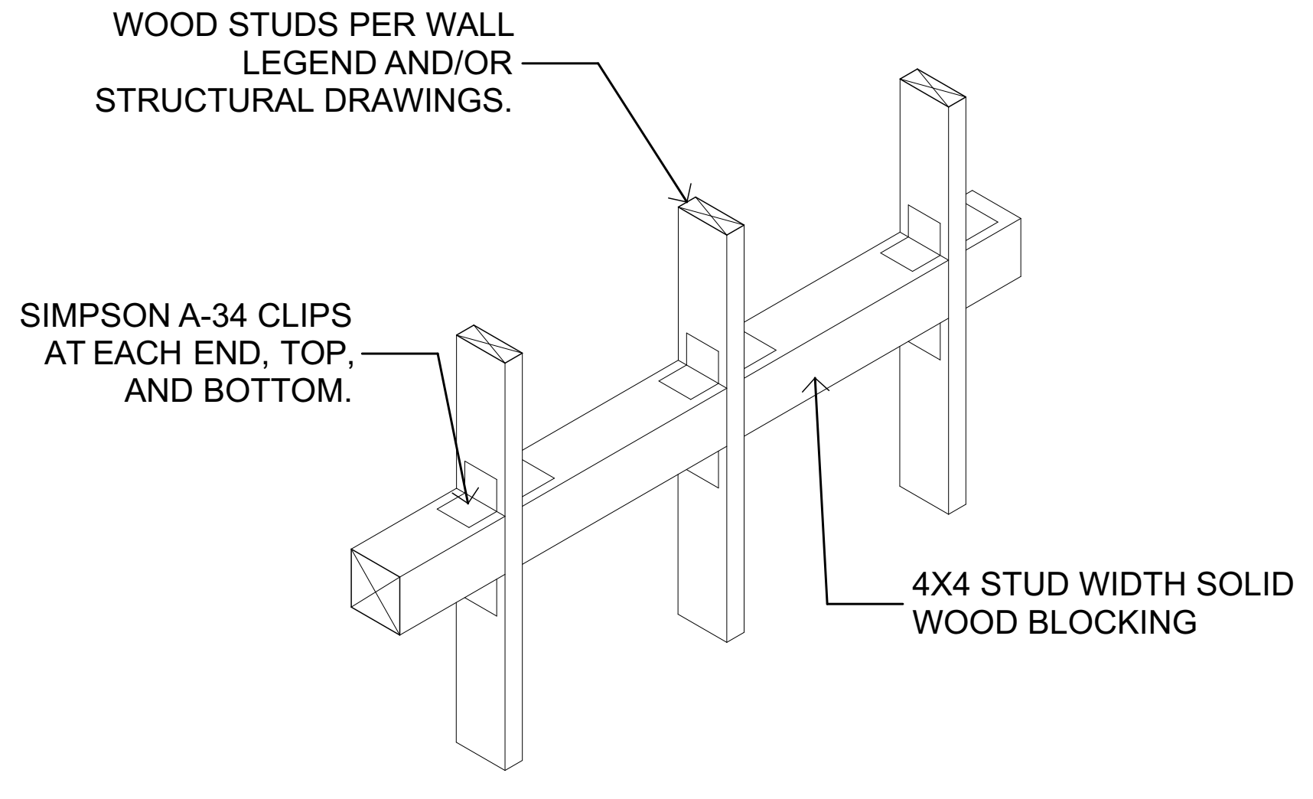

18"
LAVATORY
MIRROR
SOAP DISPENSER
30"
BOT. OF REF. SURFACE
WATER SUPPLY AND DRAIN PIPING PROTECTED W. HEAT INSULATION
40" MAX. TO TOP OF OPERABLE PART
34" MAX.
29" CLR.
27" MIN.
30" CLR.
40" MAX.
FINISHED FLR.
9"X17" DEEP TOE CLEARANCE. PER CBC 11B-306.2

1 (E) ACS LAVATORY
SCALE: 1/2" = 1'-0"

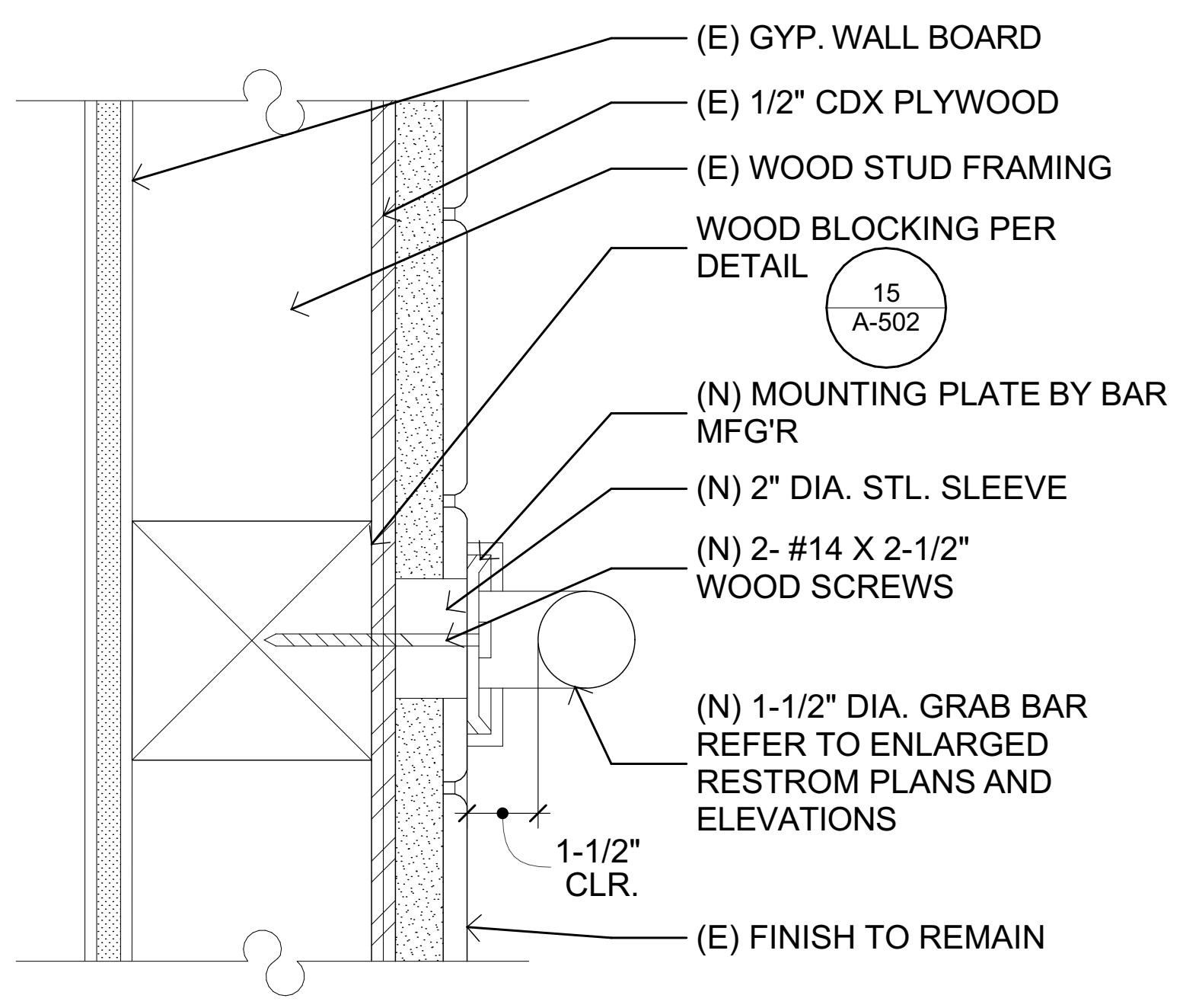
BURNING CHARACTERISTICS OF INSULATION:
FLAME SPREAD LESS THAN 25
SMOKE DEVELOPED LESS THAN 50


9" MIN.
27" MIN.
29" MIN.
34" MAX.
40" MAX. BOT. OF REFLECTIVE SURFACE
AREA NOT HATCHED BELOW LAVATORY IS ACCESSIBLE AND CLEAR
6" MAX. TOE CLEARANCE
30" MIN.
18" MIN. F.O.F.
48" MIN.
19" MAX.
WATER AND DRAIN PIPES UNDER ACCESSIBLE LAVATORIES ARE INSULATED OR OTHERWISE COVERED. THERE ARE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVARTORIES.

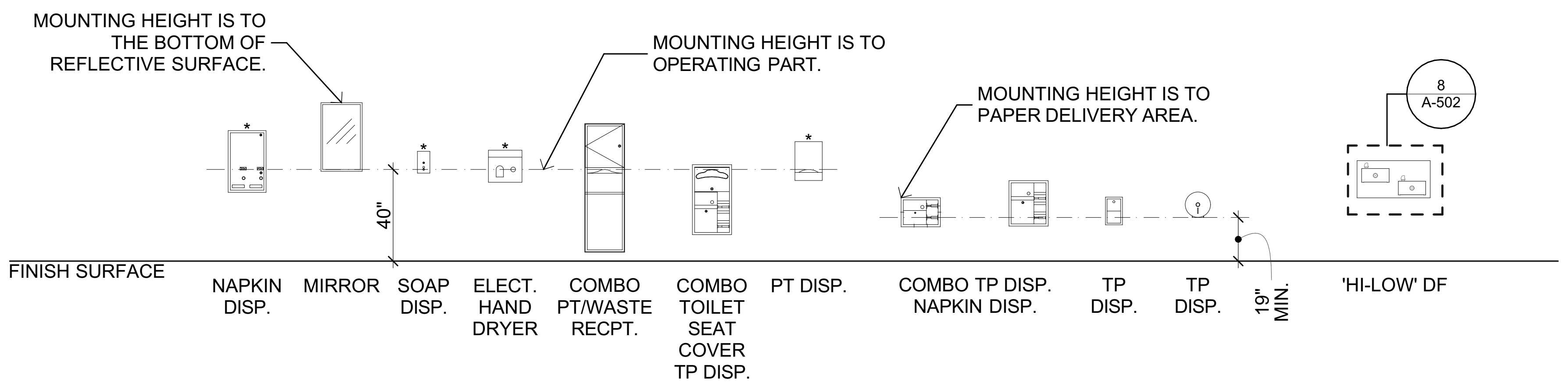
2 (E) ACS LAVATORY CLEARANCES
SCALE: 1/2" = 1'-0"


WOOD STUDS PER WALL LEGEND AND/OR STRUCTURAL DRAWINGS.
SIMPSON A-34 CLIPS AT EACH END, TOP, AND BOTTOM.
4X4 STUD WIDTH SOLID WOOD BLOCKING

19 TYPICAL WOOD BLOCKING
SCALE: 1" = 1'-0"

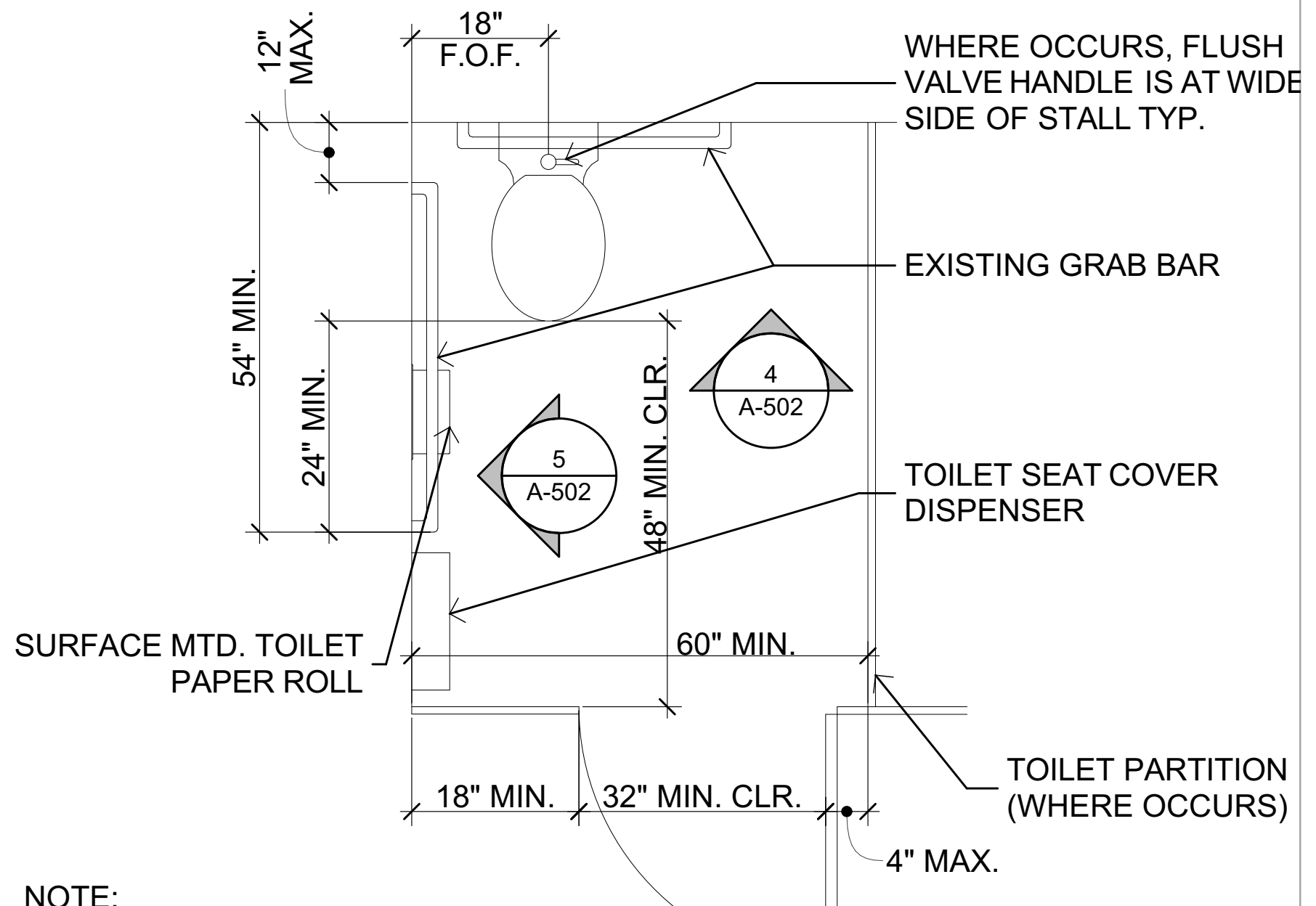


15 GRAB BAR MOUNTING AT WALL
SCALE: 1/2" = 1'-0"


MOUNTING HEIGHT IS TO THE BOTTOM OF REFLECTIVE SURFACE.
MOUNTING HEIGHT IS TO OPERATING PART.
MOUNTING HEIGHT IS TO PAPER DELIVERY AREA.
8
A-502
40"
19" MIN.
FINISH SURFACE
NAPKIN DISP.
MIRROR
SOAP DISP.
ELECT. HAND DRYER
COMBO PT/WASTE RECPT.
COMBO TOILET SEAT COVER TP DISP.
PT DISP.
COMBO TP DISP. NAPKIN DISP.
TP DISP.
TP DISP.
'HI-LOW' DF

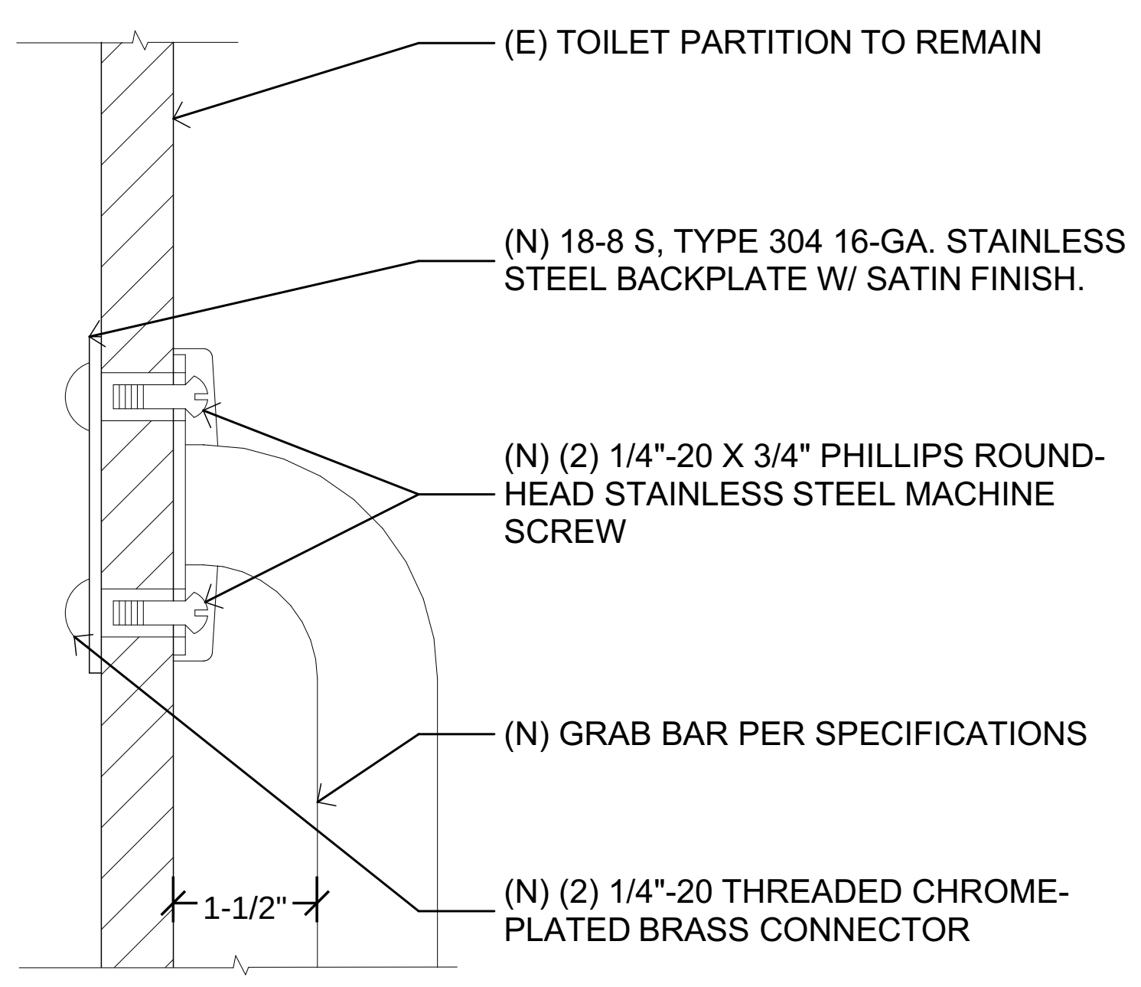
* 4" MAX. PROJECTION

7 (E) ACCESSORY MOUNTING HEIGHTS
SCALE: 1/2" = 1'-0"

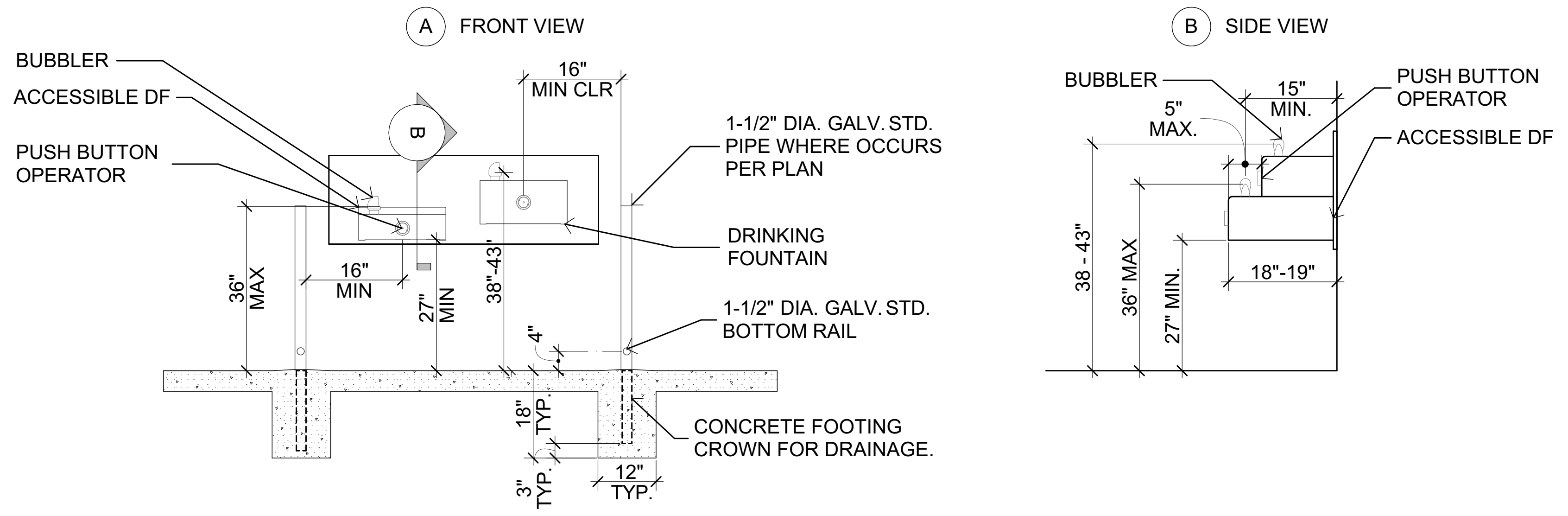

12" MAX.
18" F.O.F.
WHERE OCCURS, FLUSH VALVE HANDLE IS AT WIDE SIDE OF STALL TYP.
EXISTING GRAB BAR
54" MIN.
24" MIN.
48" MIN. CLR.
5
A-502
4
A-502
TOILET SEAT COVER DISPENSER
SURFACE MTD. TOILET PAPER ROLL
60" MIN.
18" MIN.
32" MIN. CLR.
TOILET PARTITION (WHERE OCCURS)
4" MAX.

NOTE:
MAINTAIN 34" MIN. CLEAR AT ACCESSIBLE STALLS W/ SIDE OPENING DOOR.

3 (E) ACS STALL PLAN
SCALE: 1/2" = 1'-0"

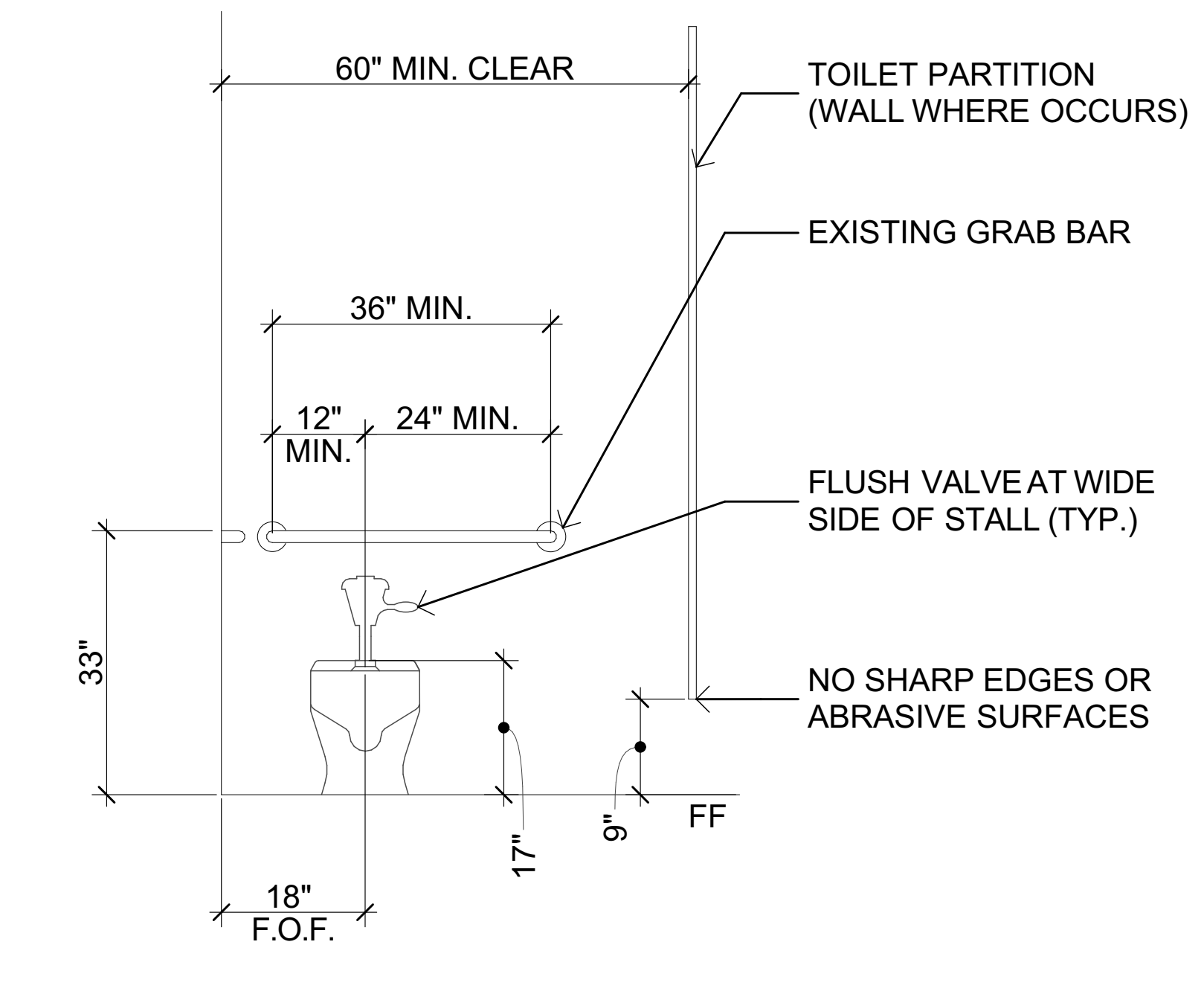

(E) TOILET PARTITION TO REMAIN
(N) 18-8 S, TYPE 304 16-GA. STAINLESS STEEL BACKPLATE W/ SATIN FINISH.
(N) (2) 1/4"-20 X 3/4" PHILLIPS ROUND-HEAD STAINLESS STEEL MACHINE SCREW
(N) GRAB BAR PER SPECIFICATIONS
(N) (2) 1/4"-20 THREADED CHROME-PLATED BRASS CONNECTOR
1-1/2"

16 GRAB BAR MTG. AT PARTITION
SCALE: 6" = 1'-0"



NOTE:
-SPOUT PROVIDES A FLOW OF WATER 4" HIGH MIN. AND IS LOCATED 5" MAX. FROM THE FRONT OF THE UNIT. THE ANGLE OF THE WATER STREAM IS MEASURED HORIZONTALLY RELATIVE TO THE FRONT FACE OF THE UNIT. WHERE SPOUTS ARE LOCATED LESS THAN 3" FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM IS 30 DEGREES MAX. WHERE SPOUTS ARE LOCATED 3"-5" MAX. FROM THE FRONT OF THE UNIT, THE ANGLE OF THE WATER STREAM IS 15 DEGREES MAX.

8 (E) HI-LO DRINKING FOUNTAIN
SCALE: 1/2" = 1'-0"


60" MIN. CLEAR
TOILET PARTITION (WALL WHERE OCCURS)
EXISTING GRAB BAR
36" MIN.
12" MIN.
24" MIN.
FLUSH VALVE AT WIDE SIDE OF STALL (TYP.)
33"
NO SHARP EDGES OR ABRASIVE SURFACES
17"
9"
FF
18" F.O.F.

4 (E) ACS STALL FRONT ELEVATION
SCALE: 1/2" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

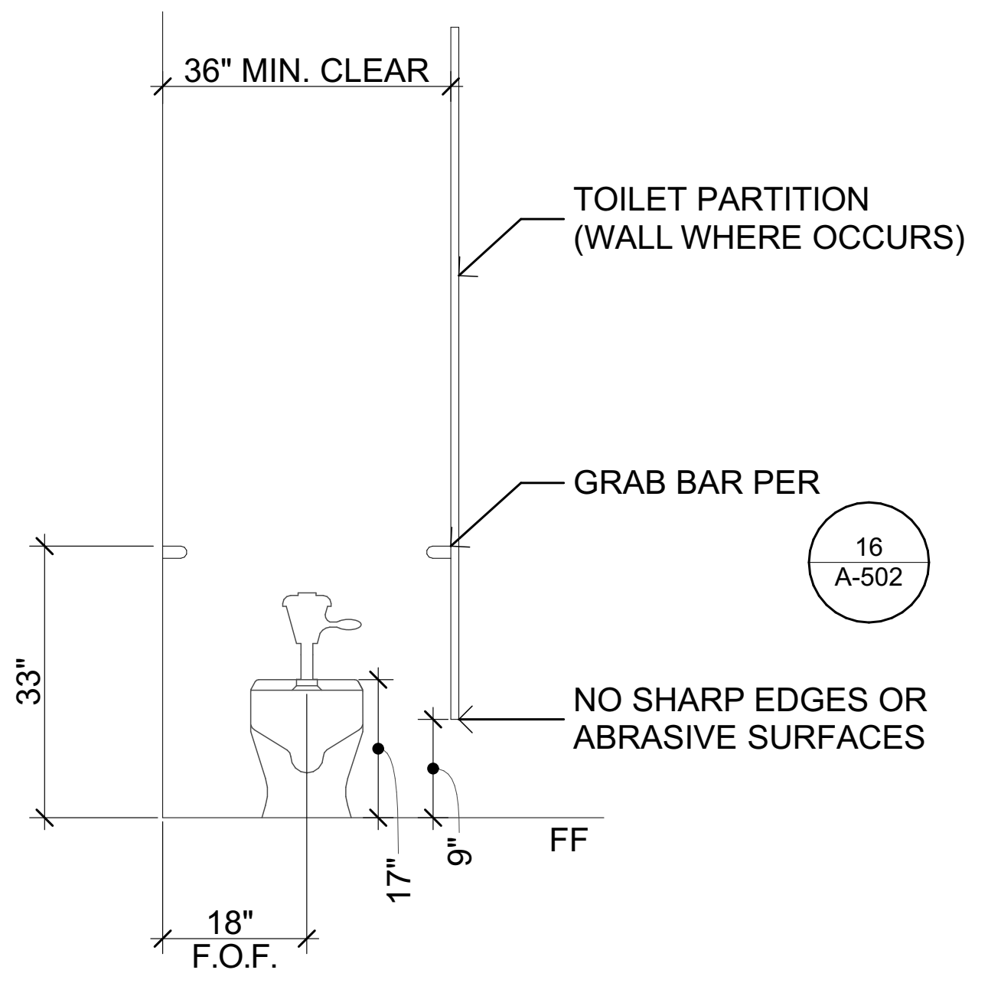
PLOT DATE:
12/12/2024

SHEET TITLE

RESTROOM DETAILS

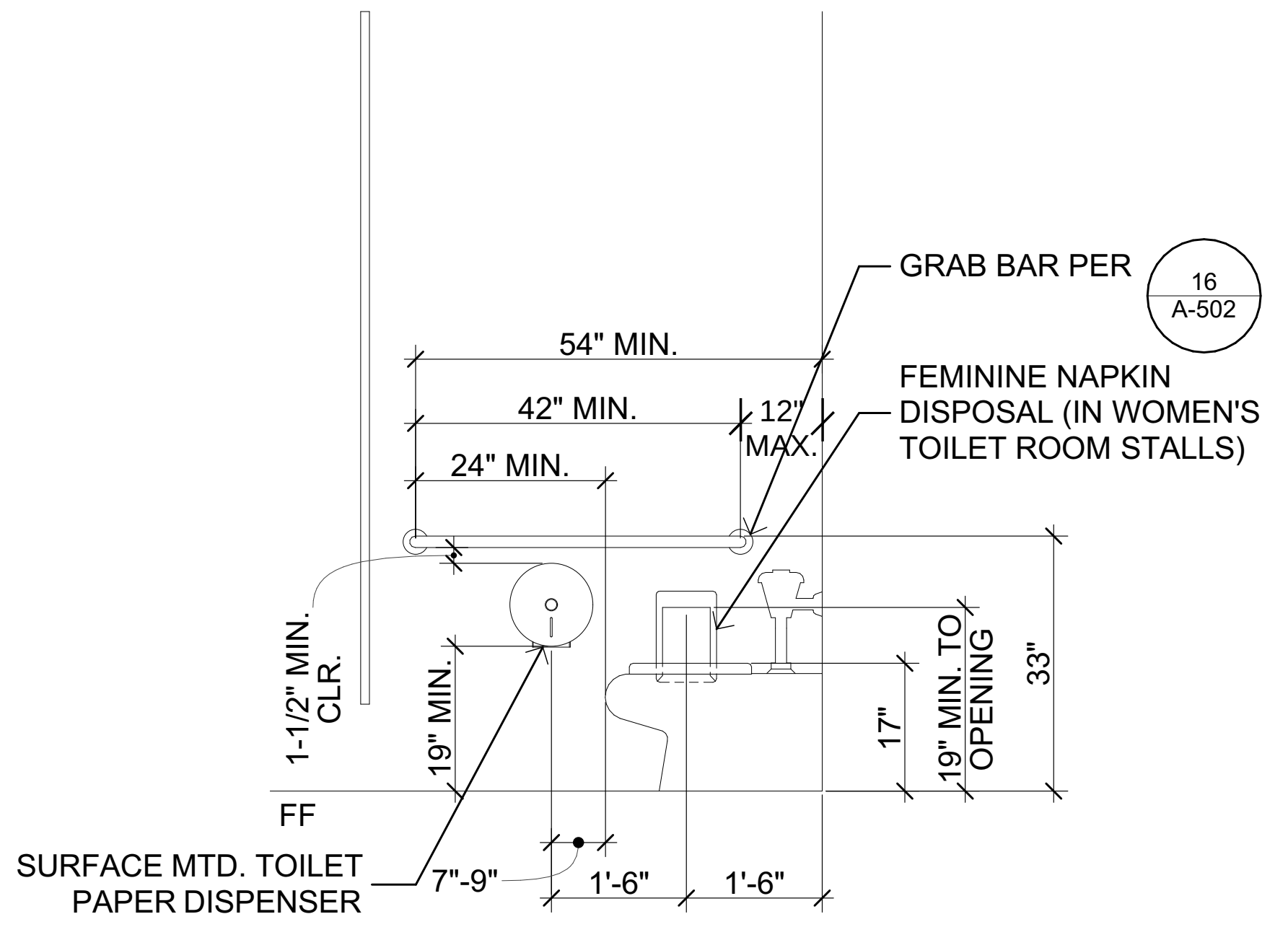
A-502

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln


36" MIN. CLEAR
TOILET PARTITION (WALL WHERE OCCURS)
GRAB BAR PER
16
A-502
NO SHARP EDGES OR ABRASIVE SURFACES
33"
17"
9"
FF
18" F.O.F.

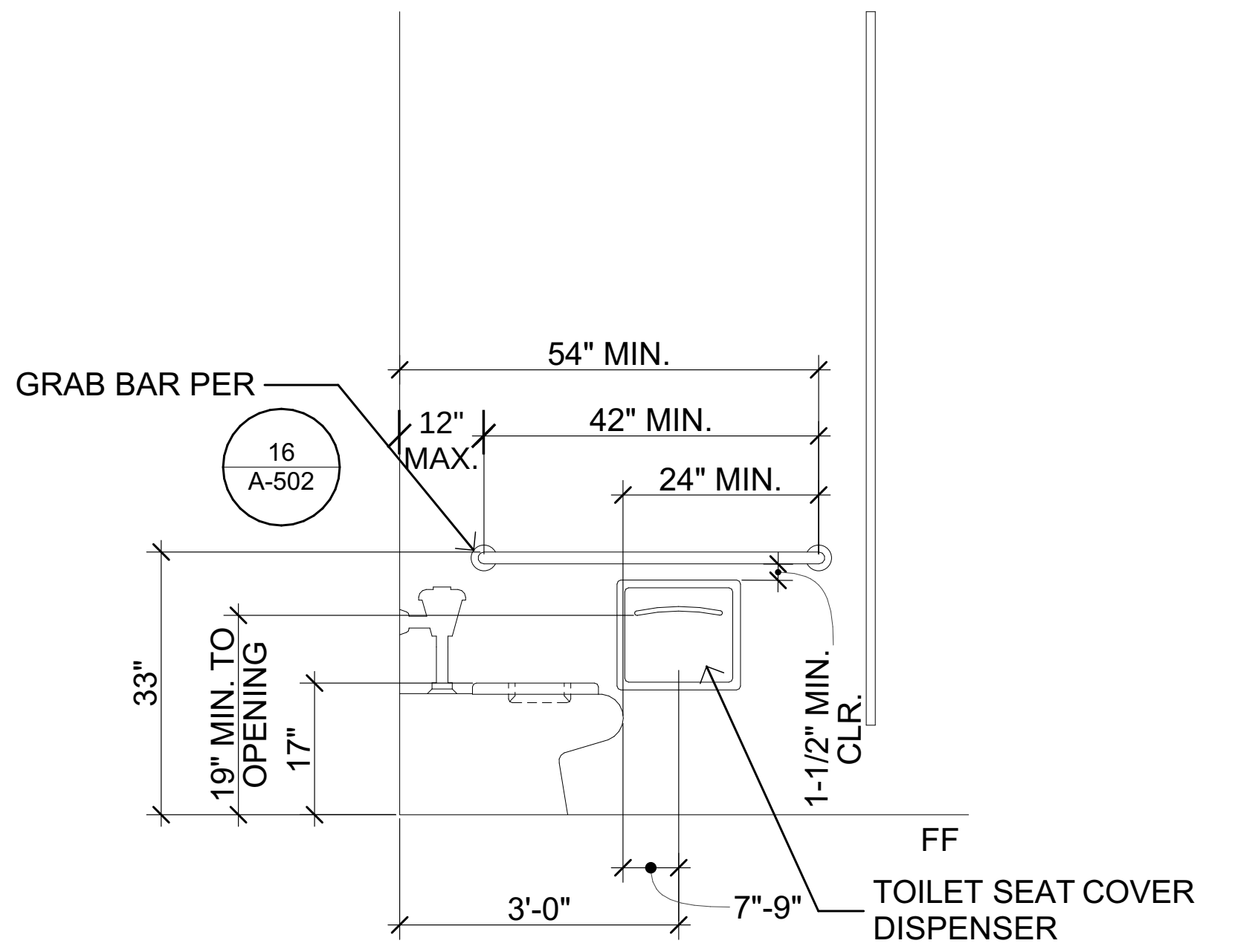
1 AMB. STALL FRONT ELEVATION

SCALE: 1/2" = 1'-0"



2 AMB. STALL SIDE ELEVATION

SCALE: 1/2" = 1'-0"



3 AMB. STALL SIDE ELEVATION

SCALE: 1/2" = 1'-0"

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/12/2024

SHEET TITLE

RESTROOM DETAILS

A-503

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-015 RBVHS Track and Field Replacement\ArchiCAD\23-015 RBVHS Track and Field Replacement.pln

GATE SCHEDULE

GATE ID	GATE TYPE	NOMINAL WIDTH	NOMINAL HEIGHT	GATE MATERIAL	ELEVATION	HDWR. SET	FIRE	REMARKS
G01	MAINTENANCE	3'-0"	8'-0"	STL	13/A-106	5/A-106	Unrated	-
G02	MAINTENANCE	12'-0"	8'-0"	STL	9/A-106	6/A-106	Unrated	-
G03	VEHICULAR	20'-0"	8'-0"	STL	3/A-106	6/A-106	Unrated	-
G04	MAINTENANCE	6'-0"	4'-0"	CL	12/A-106	5/A-106	Unrated	-
G05	MAINTENANCE	20'-0"	4'-0"	CL	4/A-106	6/A-106	Unrated	-

GENERAL GATE NOTES

1. CANE BOLTS ARE NOT ALLOWED AT GATES THAT REQUIRE PANIC HARDWARE.
2. CONTRACTOR TO WELD ALL CONNECTIONS AND GRIND SMOOTH. PREP DOOR FOR CLOSER BY FULLY WELDING AROUND MTG. AREA.
3. GATE OPENING FORCE IS 5 LBS. MAX PER CBC 11B-404.2.9.
4. ALL HARDWARE OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL NOT EXCEED 5 LBS. PER CBC 11B-309.4.
5. GATE CLOSING SPEED SHALL COMPLY WITH SECTION 11B-404.2.8. REFER TO GENERAL ACCESSIBILITY NOTES ON SHEET T-002
6. ALL GATE CONDITIONS AND DIMENSIONS ARE TO BE VERIFIED IN FIELD PRIOR TO BEGINNING WORK.
7. THE ARCHITECT AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING REQUIRED DOOR AND FRAME DIMENSIONS AND HARDWARE MOUNTING HEIGHTS IN FIELD PRIOR TO ORDERING AND INSTALLING NEW MATERIAL.
8. ALL HARWARE INDICATED IN SCHEDULE SHALL BE PROVIDED FOR GATES. HARDWARE SHALL MEET THE REQUIREMENTS OF CBC 11B-404.2.7.
9. GATES AS PART OF AN ACCESSIBLE ROUTE SHALL COMPLY WITH CBC SECTIONS 11B-404.
10. THE CLEAR OPENING WIDTH FOR A GATE SHALL BE 32" MINIMUM. FOR A SWINGING GATE IT SHALL BE MEASURED BETWEEN THE FACE OF THE GATE AND THE STOP, WITH THE GATE OPEN 90 DEGREES. THERE SHALL BE NO PROJECTIONS INTO IT BELOW 34" AND 4" MAXIMUM PROJECTIONS INTO IT BETWEN 34" AND 80" ABOVE THE FINISH FLOOR OR GROUND. CBC SECTION 11B-404.2.3
11. THE OPENING FORCE FOR PUSHING OR PULLING OPEN A DOOR OR GATE SHALL BE 5 POUNDS MAXIMUM PER CBC 11B-404.2.9.
12. HARDWARE SHALL UNLATCH WITH 5 POUNDS MAXIMUM FORCE PER CBC 11B-309.4.
13. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON ACCESSIBLE DOORS SHALL COMPLY WITH CBC SECTION 11B-309.4 AND SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. OPERABLE PARTS OF SUCH HARDWARE SHALL BE 34" MINIMUM AND 44" MAXIMUM ABOVE FINISH FLOOR OR GROUND.
14. THE LEVERS OF LEVER ACTUATED LATCHES OR LOCKS FOR DOORS AND ACCESSIBLE GATES SHALL BE CURVED WITH A RETURN TO WITHIN 1/2" OF THE GATE SURFACES TO PREVENT CATCHING ON THE CLOTHING OR PERSONS PER CALIFORNIA REFERENCED STANDARDS CODE. T-24 PART 12, SECTION 12-10-202, ITEM (F).
15. SWING DOORS AND GATE SURFACES WITHIN 10" OF THE FINISH FLOOR OR GROUND SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR OR GATE. PARTS CREATING HORIZONTAL OR VERTICAL JOINTS IN THESE SURFACES SHALL BE WITHIN 1/16" OF THE SAME PLANE AS THE OTHER AND BE FREE OF SHARP OR ABRASIVE EDGES. CAVITIES CREATED BY ADDED KICK PLATES SHALL BE CAPPED. CBC SECTION 11B-404.2.10.
16. EMERGENCY EXIT AND PANIC HARDWARE SHALL COMPLY WITH SFM STANDARD 12-10-3, SECTION 12-10-302:
    - A. THE CROSS-BAR SHALL EXTEND ACROSS NOT LESS THAN ONE-HALF THE WIDTH OF THE DOOR/GATE (CBC 1010.2.9.3, ITEM 3)
    - B. THE ENDS OF THE CROSS-BAR SHALL BE CURVED, GUARDED OR OTHERWISE DESIGNED TO PREVENT CATCHING ON THE CLOTHING OF PERSONS DURING EGRESS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD
REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
12/12/2024

SHEET TITLE

GATE SCHEDULE

A-901

REINFORCING STEEL

1. BAR REINFORCEMENT SHALL BE ASTM A615, GRADE 60 DEFORMED BARS.
2. MINIMUM LAP SPLICES OF REINFORCING BARS SHALL BE AS SPECIFIED IN THE DRAWINGS.
3. VERTICAL BARS IN WALLS SHALL BE ACCURATELY POSITIONED AT THE CENTER OF THE WALL UNLESS OTHERWISE NOTED ON PLANS.
4. REINFORCING DETAILING, BENDING, AND PLACING SHALL BE IN ACCORDANCE WITH ACI 315 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT".
5. REINFORCING STEEL SHALL BE PROVIDED WITH THE FOLLOWING MINIMUM CONCRETE COVER FOR CAST IN PLACE CONCRETE:
   A. CONCRETE DEPOSITED AGAINST EARTH:...................................... 3”
   B. CONCRETE SURFACE (FORMED) EXPOSED TO EARTH OR WEATHER:
      #6 THROUGH #18 BARS:.. 2"
      #5 BAR AND SMALLER:.. 1-1/2"
   C. CONCRETE NOT EXPOSED TO EARTH OR WEATHER:
      SLABS, WALLS AND JOISTS
      #11 BAR AND SMALLER:.. 1"
      BEAMS, COLUMNS:
      PRIMARY REINFORCEMENT, TIES,STIRRUPS, SPIRALS:............ 1-1/2"
6. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS, HOLDOWN ANCHORS AND INSERTS SHALL BE WELL SECURED IN POSITION WITH WIRE POSITIONERS PRIOR TO FOUNDATION INSPECTION AND BEFORE PLACING CONCRETE OR GROUT.
7. DOWELS BETWEEN FOOTINGS AND WALLS SHALL BE THE SAME GRADE, SIZE, AND SPACING AS VERTICAL WALL REINFORCING UNLESS OTHERWISE NOTED ON PLANS.
8. FURNISH #3 SPACER TIES AT APPROXIMATELY 2'-6" ON CENTER IN ALL BEAMS AND FOOTINGS TO SECURE REINFORCING IN PLACE.
9. CONTRACTOR SHALL SUBMIT REINFORCING STEEL SHOP DRAWINGS FOR REVIEW BEFORE FABRICATION AND INSTALLATION.
10. WHERE HOOKS ARE ILLUSTRATED AS 90-DEGREE HOOKS, 180 DEGREE HOOKS MAY BE USED IN LIEU OF 90-DEGREE HOOKS.

SPECIAL INSPECTIONS & TESTING (CBC CHAPTER 17A)

1. SPECIAL INSPECTIONS & TESTING SHALL MEET THE REQUIREMENTS OF CBC CHAPTER 17A TITLE 24, PART 2, CCR.
2. PROJECT INSPECTOR OF RECORD: IN ACCORDANCE WITH TITLE 24, PART 1.
3. CERTIFIED SPECIAL INSPECTORS SHALL:
   A. BE CERTIFIED BY DSA TO PERFORM THE TYPES OF INSPECTIONS SPECIFIED.
   B. PREPARE REPORTS THAT SHALL BE SIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER.
   C. OBSERVE THE WORK ASSIGNED FOR CONFORMANCE WITH APPROVED DRAWINGS AND SPECIFICATIONS.
   D. FURNISH INSPECTION REPORTS TO THE ENGINEER AND DSA. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION; THEN, IF NOT CORRECTED, TO THE ENGINEER AND DSA PER CBC SECTION 1704A.2.4.
   E. SUBMIT TO THE ENGINEER AND DSA A FINAL VERIFIED REPORT, SIGNED BY A CALIFORNIA REGISTERED CIVIL ENGINEER, STATING THAT THE WORK WAS IN CONFORMANCE WITH THE APPROVED DRAWINGS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF CBC TITLE 24, PART 2, CCR.
4. SUMMARY OF CONTINUOUS AND PERIODIC INSPECTIONS:
   A. SPECIAL INSPECTIONS ARE IN ADDITION TO THE CALLED INSPECTIONS REQUIRED BY CBC SECTION 110, TITLE 24, PART 2, CCR. SPECIAL INSPECTION IS NOT A SUBSTITUTE FOR INSPECTION BY DSA. SPECIALLY INSPECTED WORK WHICH IS INSTALLED OR COVERED WITHOUT THE APPROVAL OF DSA IS SUBJECT TO REMOVAL OR EXPOSURE.
   B. CONTINUOUS INSPECTION IS REQUIRED DURING THE PERFORMANCE OF THE WORK UNLESS OTHERWISE SPECIFIED.
   C. IT IS THE RESPONSIBILITY OF THE PROJECT INSPECTOR TO INFORM THE SPECIAL INSPECTOR OR INSPECTION AGENCY AT LEAST ONE WORKING DAY BEFORE PERFORMING ANY WORK THAT REQUIRES SPECIAL INSPECTION. ALL WORK PERFORMED WITHOUT REQUIRED SPECIAL INSPECTION IS SUBJECT TO REMOVAL.
5. SEE DSA-103 DOCUMENT FOR LIST OF REQUIRED INSPECTIONS. THIS DOCUMENT SHALL BE CONSIDERED PART OF THE CONSTRUCTION DOCUMENTS.

FOUNDATION (CBC CHAPTER 18A)

1. SOILS INFORMATION:
   SEE SOILS REPORT BY: CBC MINIMUM
   DATED:
   SOIL DESIGN PARAMETERS:
   ALLOWABLE BEARING PRESSURE…………………............1500 PSF (RETAINING WALLS)
   CANTILEVER ACTIVE (LEVEL)……………………….......... 35 PCF
   CANTILEVER ACTIVE (2:1 SLOPE)……......................... 55 PCF
   LATERAL BEARING (PASSIVE) PRESSURE………..........100 PCF
   COHESION…………………………………………………. 130 PSF
   MINIMUM CONTINUOUS FOOTING WIDTH………........... 24 INCHES
   BOTTOM OF FOOTINGS SHALL BE AT LEAST 18 INCHES BELOW LOWEST ADJACENT GRADE.
2. ALL FOUNDATION WORK SHALL BE FOUNDED ON FIRM UNDISTURBED NATURAL SOILS OR APPROVED COMPACTED SOILS.
3. SPECIAL INSPECTIONS SHALL BE PER SECTION 1705A.6, TITLE 24, PART 2, CCR.
4. THE FINISH EXCAVATION FOR FOUNDATIONS SHALL BE NEAT & TRUE TO LINE.
5. FOUNDATION EXCAVATIONS SHALL BE KEPT FREE OF LOOSE MATERIAL AND STANDING WATER.
6. THE TESTING LAB SHALL SUBMIT COMPACTION REPORTS FOR ALL FILL TO THE ENGINEER AND DSA (FORM DSA-293) BEFORE REQUESTING FOUNDATION INSPECTION. ALL LOOSE SOIL AND FILL DIRT, INCLUDING BACKFILL BEHIND RETAINING WALLS, SHALL BE COMPACTED TO AT LEAST 90% OF MAXIMUM DENSITY, OR GREATER AS REQUIRED BY THE SOILS REPORT.
7. BACKFILL FOR ALL RETAINING WALLS SHALL BE NON-EXPANSIVE PERVIOUS MATERIAL AND SHALL NOT BE PLACED UNTIL MASONRY OR CONCRETE RETAINING MEMBERS HAVE BEEN IN PLACE A MINIMUM OF 14 DAYS AND HAVE OBTAINED 75% OF THE DESIGN STRENGTH.
8. PROVIDE TEMPORARY SHORING FOR ALL WALLS RETAINING EARTH, PRIOR TO BACKFILLING.
9. OVER-EXCAVATION AND COMPACTION REQUIREMENTS SHALL CONFORM TO SECTIONS 1803A AND 3304,TITLE 24, PART 2,CCR.

GENERAL NOTES

1. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER THESE STANDARD STRUCTURAL NOTES. TYPICAL DETAILS SHALL BE USED WHENEVER APPLICABLE. REFER TO SPECIFICATIONS FOR INFORMATION NOT COVERED BY THESE NOTES OR DRAWINGS. THESE NOTES TAKE PRECEDENCE OVER ANY OTHER BOOK SPECIFICATIONS.
2. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, AND SITE CONDITIONS BEFORE STARTING WORK, AND THE ENGINEER/ ARCHITECT SHALL BE IMMEDIATELY NOTIFIED, IN WRITING, OF ANY DISCREPANCIES. IN NO CASE SHALL DIMENSIONS BE SCALED FROM PLANS, SECTIONS, OR DETAILS ON THE STRUCTURAL DRAWINGS.
3. ALL OMISSIONS AND CONFLICTS BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS AND/OR SPECIFICATIONS SHALL BE BROUGHT TO THE ATTENTION OF, AND RESOLVED WITH, THE ENGINEER BEFORE PROCEEDING WITH ANY WORK SO INVOLVED.
4. WHERE A CONSTRUCTION DETAIL IS NOT SHOWN OR NOTED, THE DETAIL SHALL BE THE SAME AS FOR OTHER SIMILAR WORK.
5. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF UTILITY SERVICES IN THE AREA TO BE EXCAVATED, BEFORE BEGINNING EXCAVATION.
6. NO PIPES, DUCTS, SLEEVES, CHASES, ETC. SHALL BE PLACED IN SLABS, BEAMS, OR WALLS, NOR SHALL ANY STRUCTURAL MEMBER BE CUT FOR PIPES, DUCTS, ETC. THE CONTRACTOR SHALL OBTAIN PRIOR APPROVAL FOR INSTALLATION OF ANY ADDITIONAL PIPES, DUCTS, ETC.
7. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 CALIFORNIA BUILDING CODE (CBC), TITLE 24, PART 2, CCR WITH CALIFORNIA AMENDMENTS .
8. THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE ENGINEER FREE AND HARMLESS FROM ALL CLAIMS, DEMANDS AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
9. RETAIN A CALIFORNIA REGISTERED CIVIL ENGINEER TO DESIGN ALL TEMPORARY BRACING, SHORING, AND SUPPORT REQUIRED DURING CONSTRUCTION, INCLUDING CONSTRUCTION LOADS AND EQUIPMENT.
10. INCLUDE ENGINEERING FEES, ENGINEERING DESIGN TIME AND DSA APPROVAL TIME IN THE COST OF PROPOSED MATERIAL ALTERNATES. CONTACT ENGINEER FOR FEE AMOUNT. SUBMIT MATERIAL ALTERNATE FOR REVIEW BEFORE CONSTRUCTION.
11. STRUCTURAL CAD DRAWINGS SHALL NOT BE USED FOR SHOP DRAWINGS UNLESS AN AGREEMENT BETWEEN THE STRUCTURAL ENGINEER AND CONTRACTOR HAS BEEN ESTABLISHED ACCORDING TO CASE DOCUMENT 11. CONTACT ENGINEER FOR FEE AMOUNT.
12. ALL ADDENDA AND CONSTRUCTION CHANGE DOCUMENTS (CCD) SHALL BE SUBMITTED TO DSA FOR APPROVAL PRIOR TO COMPLETING WORK.
13. SHOP DRAWINGS: THE CONTRACTOR SHALL REVIEW SHOP DRAWINGS FOR COMPLETENESS AND COMPLIANCE WITH CONTRACT DOCUMENTS. CONTRACTOR SHALL STAMP SHOP DRAWINGS PRIOR TO SUBMISSION TO ARCHITECT/ENGINEER. THE ARCHITECT'S/ENGINEER'S REVIEW OF THE SHOP DRAWINGS SHALL NOT BE CONSTRUED AS AN AUTHORIZATION TO DEVIATE FROM THE CONTRACT DOCUMENTS. ALSO, SHOP DRAWINGS WILL NOT BE PROCESSED DUE TO INCOMPLETENESS, LACK OF COORDINATION WITH RELEVANT PORTIONS OF CONTRACT DOCUMENTS, LACK OF CALCULATIONS WHEN REQUIRED, OR WHERE DEVIATIONS, MODIFICATIONS, OR SUBSTITUTIONS ARE INDICATED WITHOUT PRIOR WRITTEN APPROVAL FROM THE ARCHITECT/ENGINEER.
14. ANY REFERENCE TO THE WORDS APPROVED, OR APPROVAL IN THESE DOCUMENTS SHALL BE HERE DEFINED TO MEAN GENERAL ACCEPTANCE OR REVIEW AND SHALL NOT RELIEVE THE CONTRACTOR AND/OR HIS SUB-CONTRACTORS OF ANY LIABILITY IN FURNISHING THE REQUIRED MATERIALS OR LABOR SPECIFIED.

REINFORCED CONCRETE (CBC CHAPTER 19A)

1. CEMENT SHALL CONFORM TO ASTM C150, TYPE II.
2. AGGREGATES FOR NORMAL WEIGHT CONCRETE SHALL CONFORM TO ASTM C33 AND SECTION 1903A.5, TITLE 24, PART 2, CCR.
3. AGGREGATES FOR LIGHT WEIGHT CONCRETE SHALL CONFORM TO ASTM C330.
4. READY-MIX CONCRETE SHALL BE MIXED AND DELIVERED IN ACCORDANCE WITH ASTM C94.
5. CONCRETE WORK SHALL CONFORM TO ALL REQUIREMENTS OF ACI 301, "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS", EXCEPT AS MODIFIED BY THESE NOTES.
6. CONCRETE SHALL BE STANDARD WEIGHT CONCRETE (145 PCF) AND HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AS FOLLOWS:

ELEMENT	STRENGTH	AGG	W/C RATIO (MAX)
CONTINUOUS FOOTINGS & GRADE BEAMS	3000 PSI	1"	.57

7. CONCRETE SHALL BE PROPORTIONED SUCH THAT THE 7 DAY STRENGTHS ARE A MINIMUM OF SEVENTY PERCENT OF THE SPECIFIED 28 DAY STRENGTH FOR ANY CONCRETE CONSTRUCTION REQUIRING SHORING, BRACING OR TO RECEIVE CONSTRUCTION LOADS. ALSO, SLABS ON GRADE SHALL HAVE A COMPRESSION STRENGTH OF 1800 PSI MINIMUM AT 3 DAYS IF SUBJECT TO CONSTRUCTION TRAFFIC.
8. ADMIXTURES MAY BE USED WITH PRIOR APPROVAL OF THE ENGINEER AND DSA. ADMIXTURES SHALL COMPLY WITH ASTM C494 & C1017 AND BE OF A TYPE THAT INCREASES THE WORKABILITY OF THE CONCRETE, BUT SHALL NOT BE CONSIDERED TO REDUCE THE SPECIFIED MINIMUM CEMENT CONTENT (CALCIUM CHLORIDE SHALL NOT BE USED).
9. ALL REINFORCING STEEL, ANCHOR BOLTS, DOWELS, HOLDOWN ANCHORS AND INSERTS SHALL BE WELL SECURED IN POSITION WITH WIRE POSITIONERS PRIOR TO FOUNDATION INSPECTION AND BEFORE PLACING CONCRETE.
10. CONCRETE CURING: SEE SPECIFICATIONS.
11. PROJECTING CORNERS OF SLABS, BEAMS, WALLS, COLUMNS, ETC., SHALL BE FORMED WITH A 3/4" CHAMFER.
12. LOCATION OF ALL CONSTRUCTION, CONTROL AND WEAKENED PLANE JOINTS NOT SPECIFICALLY INDICATED ON THE DRAWINGS SHALL BE APPROVED BY THE ENGINEER PRIOR TO REINFORCEMENT PLACEMENT.
13. ALL CONSTRUCTION JOINTS IN WALLS OR OTHER ELEMENTS NOT HAVING PREFORMED KEYS, SHALL BE WIRE BRUSHED, AND ROUGHENED TO A MINIMUM AMPLITUDE OF 1/4 INCH, CLEANED AND MOISTENED IMMEDIATELY PRIOR TO PLACEMENT OF NEW CONCRETE.
14. FOUNDATIONS TO RECEIVE CONCRETE OR MASONRY WALLS: ROUGHEN TOPS OF FOOTINGS TO A MINIMUM AMPLITUDE OF 1/4 INCH AND ABRASIVELY CLEAN.
15. CONTRACTOR SHALL SUBMIT MIX DESIGNS FOR REVIEW BEFORE FABRICATION AND INSTALLATION. MIX DESIGNS SHALL BE DESIGNED AND SIGNED BY A CALIFORNIA REGISTERED PROFESSIONAL ENGINEER.
16. CONCRETE TESTING SHALL CONFORM TO SECTION 1903A, TITLE 24, PART 2, CCR.

CONCRETE MASONRY (CBC CHAPTER 21)

1. MATERIALS: .... F'm=2000 PSI
   COMPRESSIVE STRENGTH OF MASONRY SHALL BE VERIFIED BY THE UNIT STRENGTH METHOD.
   A. CONCRETE BLOCK:.. 2000 PSI
      MEDIUM WEIGHT OPEN END UNITS CONFORMING TO ASTM C90.
   B. GROUT (F'g AT 28 DAYS):.. 2000 PSI
      COURSE GROUT AS DEFINED IN CBC 2103.3 SHALL BE USED WITH 3/8” MAXIMUM AGGREGATE.
   C. MORTAR:
      MORTAR SHALL BE TYPE "S," CONFORMING TO CBC SECTION 2103.2.1.
2. HIGH LIFT GROUTED CONSTRUCTION SHALL CONFORM TO TMS 602. SPECIAL INSPECTION SHALL BE PROVIDED FOR HIGH LIFT CONSTRUCTION.
3. BLOCK LAYUP: RUNNING BOND, CONCAVE COMPRESSED JOINTS AND INVERTED BOND BEAM UNITS FOR STARTING COURSES.
4. ALL HORIZONTAL REINFORCEMENT SHALL BE PLACED IN BOND BEAM OR LINTEL BEAM UNITS. ALL BOND BEAM BLOCK SHALL BE "DEEP CUT" UNITS.
5. GROUTING:
   A. ALL CELLS SHALL BE SOLID GROUTED.
   B. ALL GROUT SHALL BE CONSOLIDATED WITH A MECHANICAL VIBRATOR AT THE TIME OF PLACEMENT AND THEN RECONSOLIDATED BEFORE PLASTICITY IS LOST.
   C. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZ. CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE GROUT POUR 1-1/2" BELOW TOP OF THE UPPERMOST UNIT.
   D. POURS OVER 4 FEET: PROVIDE CLEANOUTS IN BOTTOM COURSE AT VERTICAL REINFORCEMENT (32 INCHES MAX). SPECIAL INSPECTION IS REQUIRED.
   E. GROUT SHALL BE PLACED IN A CONTINUOUS POUR IN GROUT LIFTS NOT EXCEEDING 4 FEET.
6. ANCHOR BOLTS MUST BE SET WITH TEMPLATES AND HELD IN PLACE PRIOR TO GROUTING. PROVIDE AT LEAST ONE INCH OF GROUT BETWEEN ANCHOR BOLT AND MASONRY.
7. FOUNDATIONS TO RECEIVE MASONRY WALLS: THE MASONRY CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL DOWELS PRIOR TO CONCRETE PLACEMENT.
8. SPLICES (LAPS): AS SPECIFIED IN DRAWINGS.
9. NO CONDUIT SHALL BE PLACED IN CMU WALLS WITHOUT ENGINEER APPROVAL.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

DAVID E. MAESTAS
EXP. 06-30-26

WISEMAN + ROHY
STRUCTURAL ENGINEERS

9915 MIRA MESA BLVD
SUITE 200
SAN DIEGO, CA 92131

TEL 858 536 5166
FAX 858 536 5163
WWW.WRENGINEERS.COM

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL
	12-18-24	V3 SUBMITTAL

PROJECT NO: 23086.00
MODEL FILE:
-

PLOT DATE:
11/08/2024

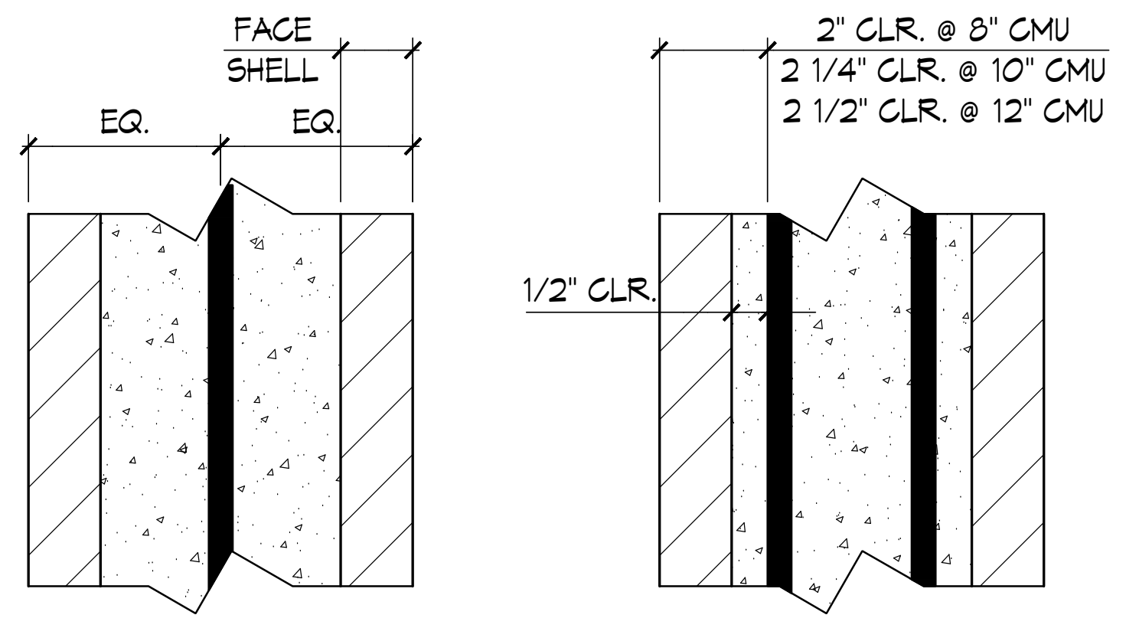
SHEET TITLE

STRUCTURAL NOTES

S001

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

Z:\Shared\AlphaStudio\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln



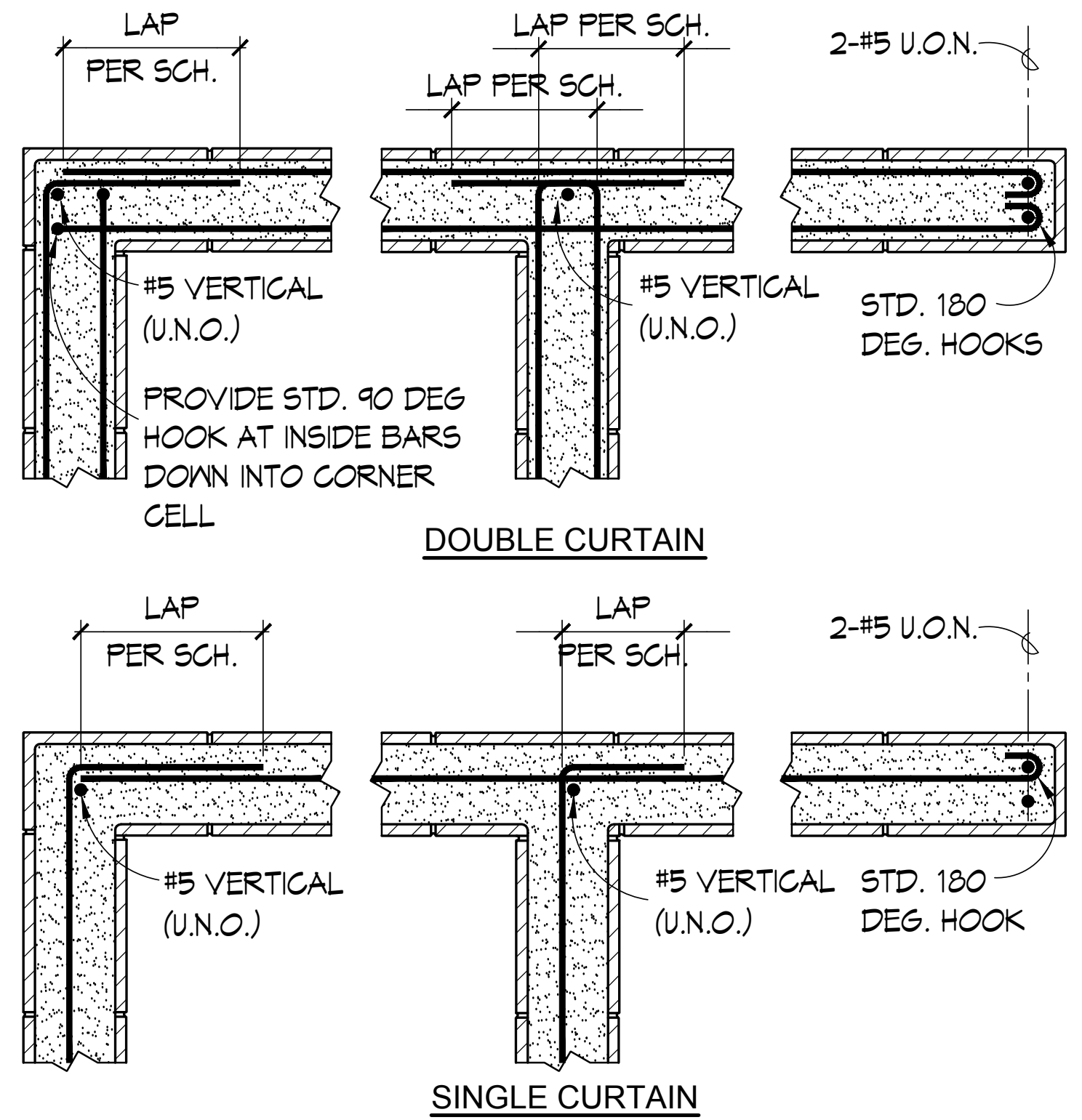
BARS @ CENTER

BARS @ FACE

BAR SIZE	8" CMU		~~10" CMU~~		~~12" CMU~~	
	CENTER	FACE	~~CENTER~~	~~FACE~~	~~CENTER~~	~~FACE~~
#4	1'-6"	1'-10"	~~1'-6"~~	~~1'-8"~~	~~1'-6"~~	~~1'-6"~~
#5	1'-10"	2'-11"	~~1'-10"~~	~~2'-7"~~	~~1'-10"~~	~~2'-4"~~
#6	3'-2"	4'-7"	~~2'-11"~~	~~4'-7"~~	~~2'-11"~~	~~4'-4"~~
#7	4'-4"	5'-4"	~~3'-4"~~	~~5'-4"~~	~~3'-4"~~	~~5'-4"~~
#8	6'-1"	6'-1"	~~5'-1"~~	~~6'-1"~~	~~4'-5"~~	~~6'-1"~~
#9	6'-10"	6'-10"	~~6'-6"~~	~~6'-10"~~	~~5'-4"~~	~~6'-10"~~

CMU REBAR LAP SCHEDULE (f'm=2000 psi)

4



TYP. MASONRY BLK. INTERSECTIONS

5

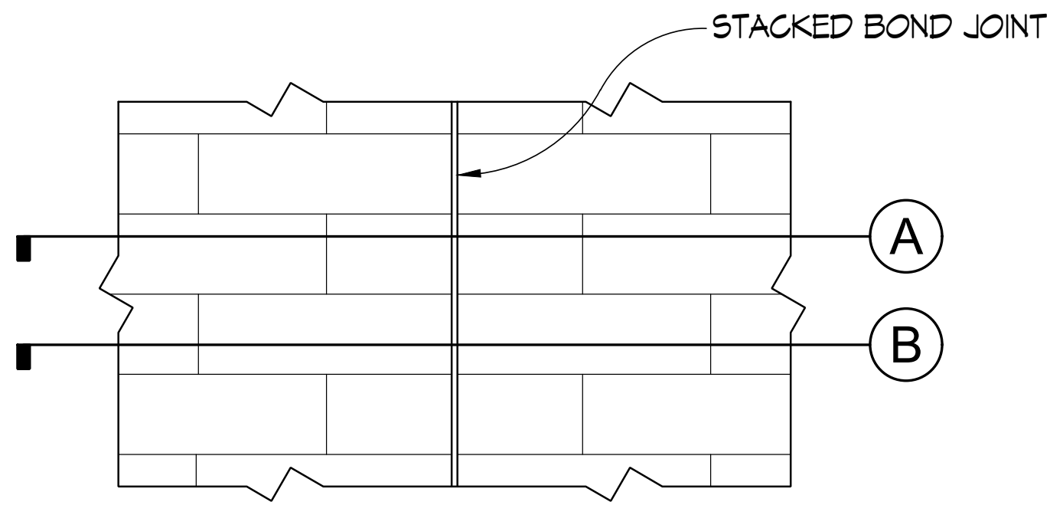
REBAR LAP SCHEDULE (CONCRETE)

BAR SIZE	f'c=3000 PSI		~~f'c=4000 PSI~~	
	TOP BARS (IN.)	OTHER BARS (IN.)	~~TOP BARS (IN.)~~	~~OTHER BARS (IN.)~~
#3	28	22	~~24~~	~~19~~
#4	37	29	~~32~~	~~25~~
#5	47	38	~~40~~	~~31~~
#6	56	43	~~48~~	~~37~~
#7	81	63	~~70~~	~~54~~
#8	93	72	~~80~~	~~62~~
#9	105	81	~~91~~	~~70~~
#10	118	91	~~102~~	~~79~~
#11	131	101	~~113~~	~~87~~

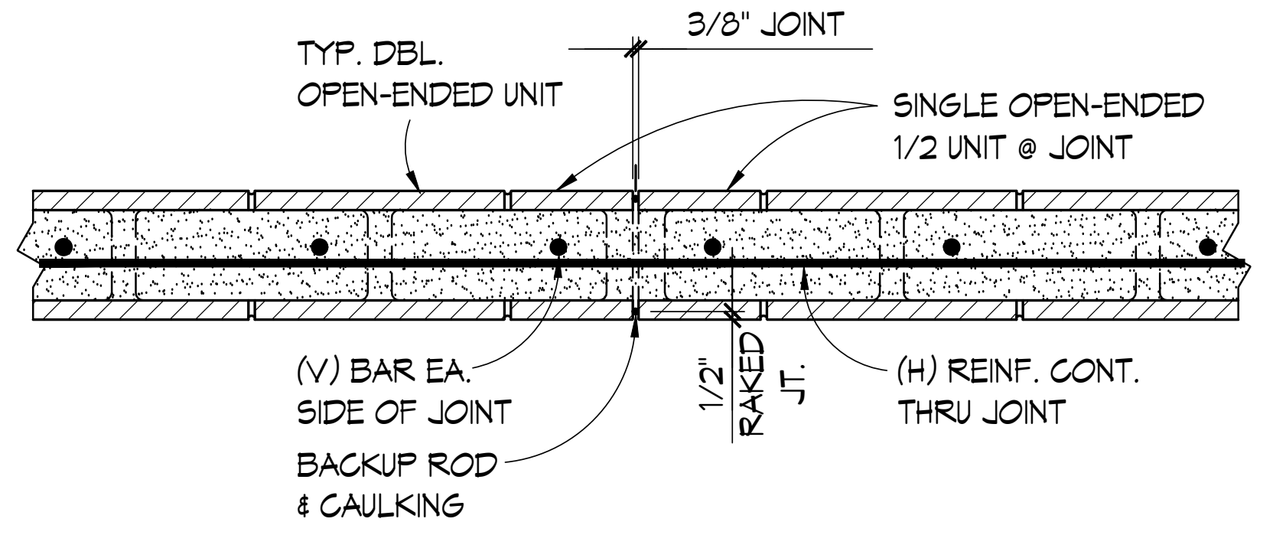
NOTES:

1. LAP SPLICE LENGTHS FOR GRADE 60 REINFORCING BAR.
2. LAP SPLICE LENGTHS FOR NORMAL WEIGHT CONCRETE
3. LAP SPLICE LENGTHS FOR CLASS B LAPS = 1.3 ld.
4. TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.
5. LAP SPLICE LENGTHS ARE BASED ON THE TYPE OF STRUCTURAL ELEMENT AS FOLLOWS:
   BEAMS OR COLUMNS: COVER AT LEAST 1.0db AND CENTER TO CENTER SPACING AT LEAST 2.0db.
   ALL OTHERS: COVER AT LEAST 1.0db AND CENTER TO CENTER SPACING AT LEAST 3.0db.

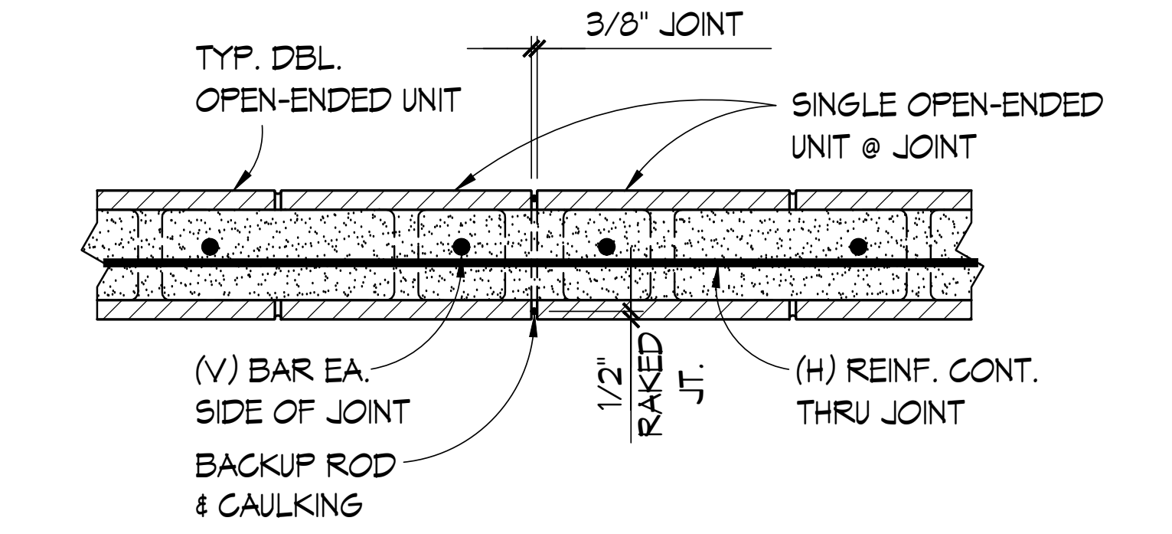
9



WALL ELEVATION


3/8" JOINT
TYP. DBL. OPEN-ENDED UNIT
SINGLE OPEN-ENDED 1/2 UNIT @ JOINT
(V) BAR EA. SIDE OF JOINT
BACKUP ROD & CAULKING
1/2" RAKED JT.
(H) REINF. CONT. THRU JOINT

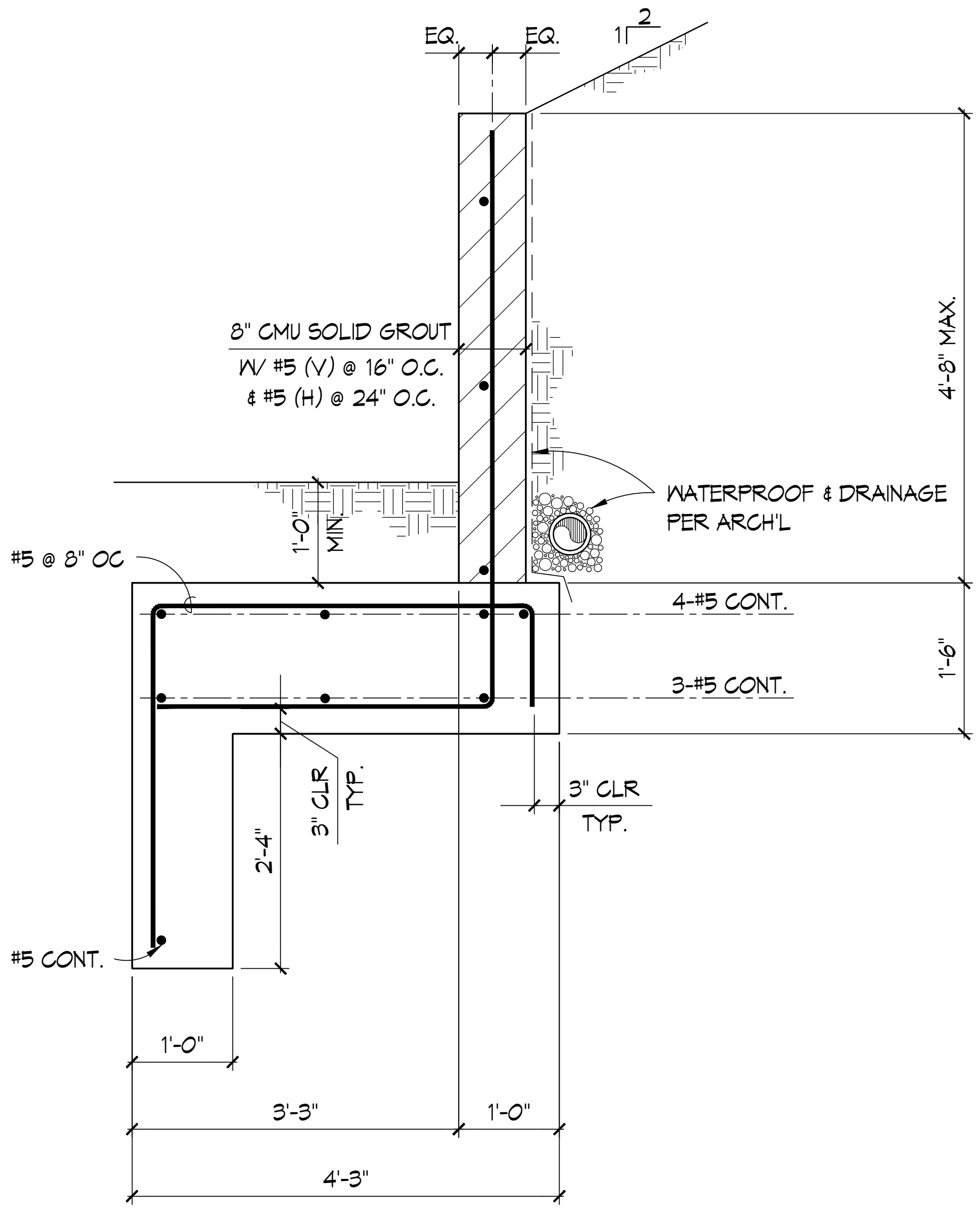
A PLAN


3/8" JOINT
TYP. DBL. OPEN-ENDED UNIT
SINGLE OPEN-ENDED UNIT @ JOINT
(V) BAR EA. SIDE OF JOINT
BACKUP ROD & CAULKING
1/2" RAKED JT.
(H) REINF. CONT. THRU JOINT

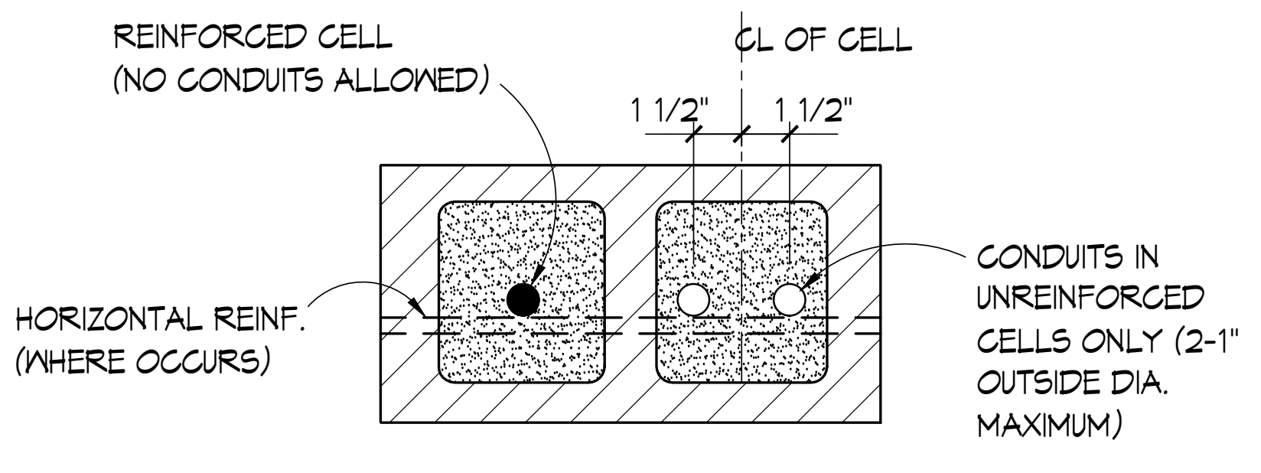
B PLAN

TYP. CMU WEAKENED PLANE JOINT

15



13


REINFORCED CELL (NO CONDUITS ALLOWED)
CL OF CELL
1 1/2"
1 1/2"
HORIZONTAL REINF. (WHERE OCCURS)
CONDUITS IN UNREINFORCED CELLS ONLY (2-1" OUTSIDE DIA. MAXIMUM)

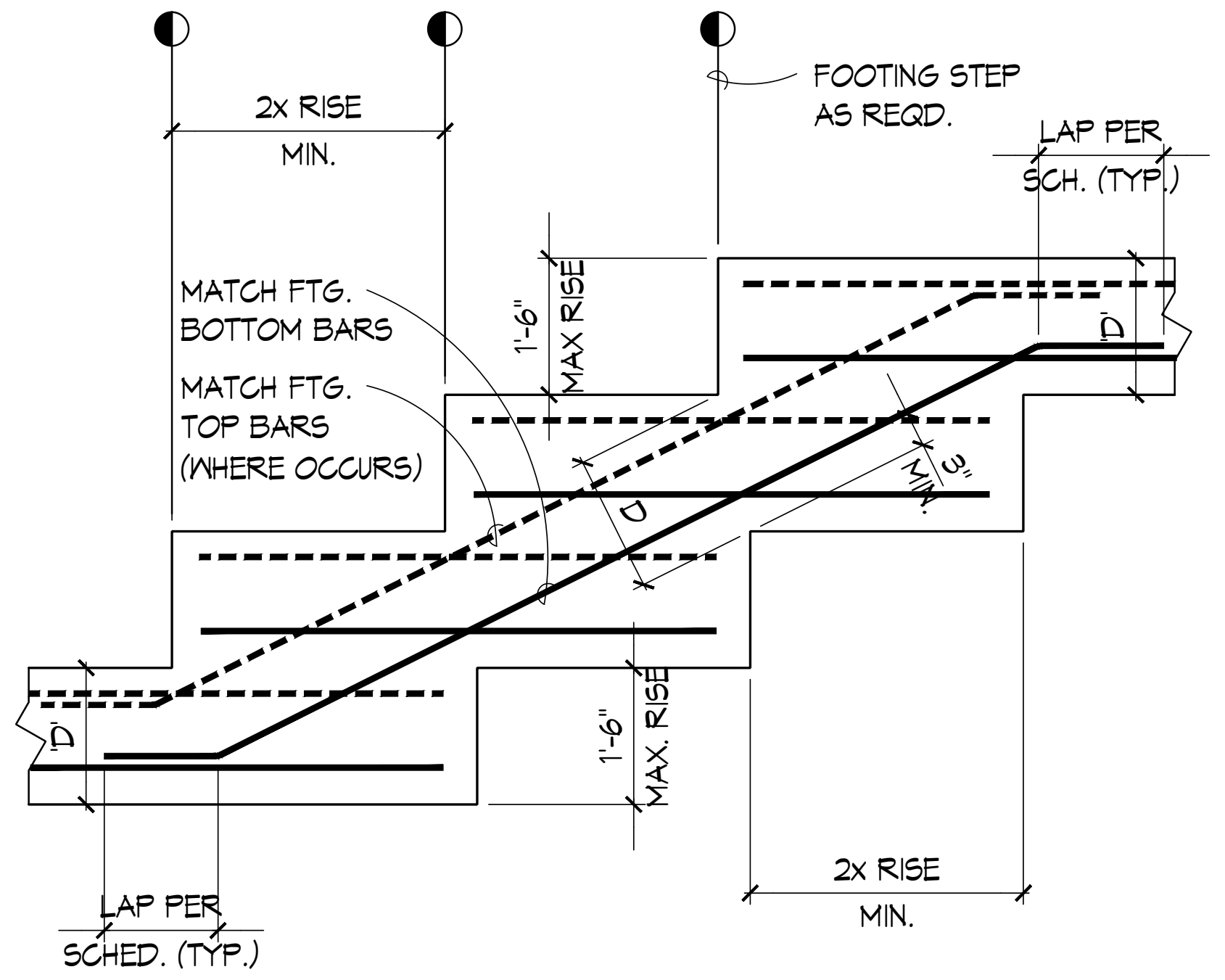
PLAN

NOTES:

1. NO HORIZONTAL CONDUITS SHALL OCCUR IN CMU WALLS.
2. NO CONDUITS SHALL OCCUR IN CMU PILASTERS OR COLUMNS.
3. NO CONDUITS SHALL OCCUR IN CELLS W/ REINFORCING STEEL

CONDUITS IN CMU

14

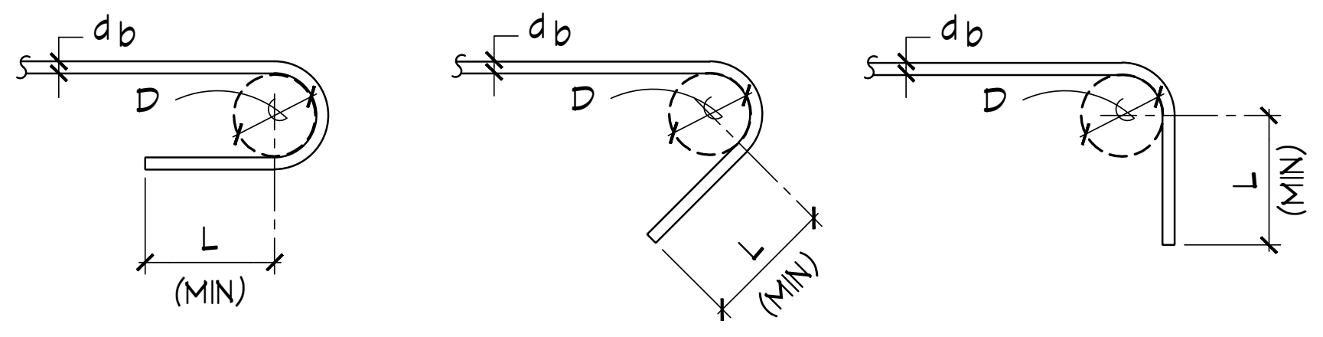


TYPICAL FOOTING STEP

18

BAR SIZE	"D"	180DEG "L"	135DEG "L"	90DEG "L"
BARS OTHER THAN STIRRUPS, TIES, HOOPS & CROSS-TIES				
#3	2 1/4	2 1/2	-	4 1/2
#4	3	2 1/2	-	6
#5	3 3/4	2 1/2	-	7 1/2
#6	4 1/2	3	-	9
#7	5 1/4	3 1/2	-	10 1/2
#8	6	4	-	12
#9	9 1/2	4 1/2	-	13 1/2
#10	10 3/4	5 1/4	-	15 1/4
#11	12	5 3/4	-	17
#14	18 1/4	7	-	21
#18	24	9	-	27
STIRRUPS, TIES, HOOPS & CROSS-TIES				
#3	1 1/2	-	4	4
#4	2	-	4	4
#5	2 1/2⁽¹⁾	-	4	4
#6	4 1/2	-	4 1/2	9
#7	5 1/4	-	5 1/4	10 1/2
#8	6	-	6	12
(1) USE 3 3/4" IN CONC. BLK. CONSTRUCTION				

NOTE: ALL DIMENSIONS GIVEN ARE IN INCHES.



180° HOOK 135° HOOK 90° HOOK

LEGEND FOR REINF. BENDS (NOT SHOWN TO SCALE)

- INDICATES 90DEG BEND IN PLANE OF DRAWING
- INDICATES 90DEG BEND PERPENDICULAR TO PLANE OF DRAWING
- INDICATES 135DEG BEND IN PLANE OF DRAWING
- INDICATES 180DEG BEND IN PLANE OF DRAWING
- INDICATES 135DEG OR 180DEG BEND PERPENDICULAR TO PLANE OF DRAWING
- INDICATES OFFSET IN PLANE OF DRAWING

REINFORCING BAR BENDS & HOOKS

20

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

DAVID E. MAES
No. 6773
EXP. 06-30-26

WISEMAN+ ROHY
STRUCTURAL ENGINEERS
9915 MIRA MESA BLVD
SUITE 200
SAN DIEGO, CA 92131
TEL 858 536 5166
FAX 858 536 5163
WWW.WRENGINEERS.COM

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVENUE VISTA CA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-13-23	V1 SUBMITTAL
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

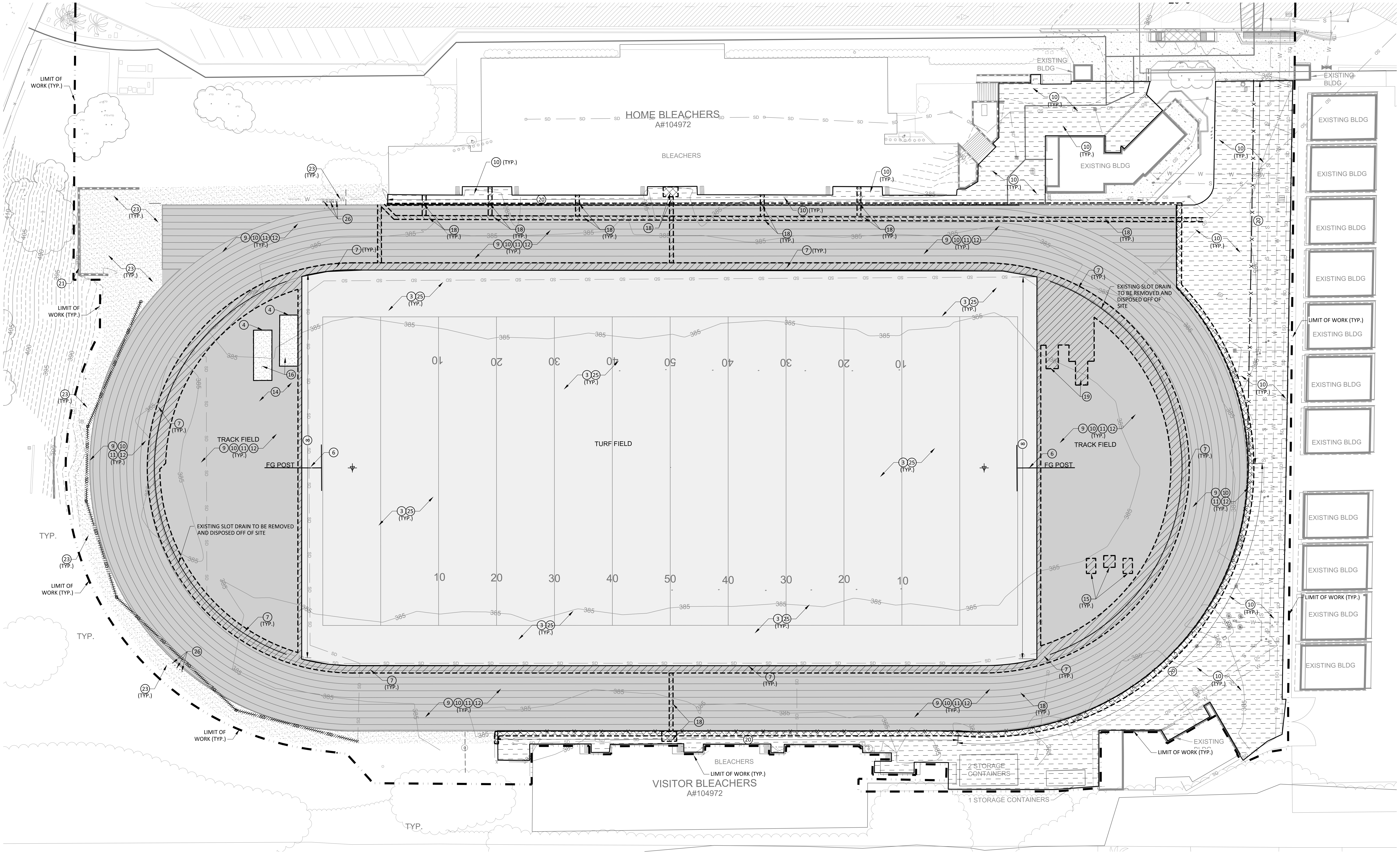
PROJECT NO: 23086.00
MODEL FILE:
-
PLOT DATE:
11/08/2024

SHEET TITLE

TYPICAL DETAILS

S002

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln



NOTE LEGEND

1. (INDICATES GENERAL CONSTRUCTION NOTE)

③ (INDICATES SPECIFIC CONSTRUCTION KEYNOTE)

DEMOLITION NOTES

1. CALL 8 -1- 1 BEFORE YOU DIG. LOCATE, IDENTIFY AND VERIFY CONDITION OF ALL SITE UTILITIES PRIOR TO COMMENCING THE WORK.

2. CONSTRUCTION ACCESS. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL GATES AND FENCES AT PERIMETER OF THIS SITE TO ESTABLISH A SECURE WORK AREA. WORK MAY INCLUDE TEMPORARY FENCING. MINIMUM SECURITY FENCE TO BE 6 FEET HEIGHT, CHAINLINK.

③ REMOVE ALL EXISTING SYNTHETIC TURF AND DISPOSE OF OFF SITE. THE CONTRACTOR IS ENCOURAGED TO MAKE EVERY EFFORT TO RECYCLE THE VARIOUS COMPONENTS OF THE EXISTING SYNTHETIC TURF SURFACING SYSTEM. EXISTING TURF IS A SAND AND RUBBER INFILLED TUFTED POLYPROPYLENE INSTALLED OVER AN AGGREGATE BASE WHICH INCLUDES A DRAINAGE UNDERLAYMENT SYSTEM.

④ SAW CUT AND REMOVE EXISTING SAND PIT CURBS AND REMOVE FROM SITE. SAWCUT AND REMOVE EXISTING POLE VAULT BOX AND REMOVE FROM SITE.

5. BACKFILL ALL EXCAVATIONS WITH STRUCTURAL FILL AND COMPACT TO 95%.

⑥ REMOVE EXISTING GOAL POSTS AND CONCRETE FOOTINGS. BACKFILL ALL VOIDS WITH STRUCTURAL FILL AND COMPACT TO 95%.

⑦ SAWCUT THE EXISTING ASPHALT PAVING (APPROX. 3.5" TO 4" DEPTH) AS REQUIRED FOR INSTALLATION OF NEW CONTINUOUS SLOT DRAIN AT INSIDE PERIMETER OF TRACK. REMOVE EXISTING ASPHALT PAVING AND/ OR EXISTING SLOT DRAIN BETWEEN CUTS AND DISPOSE OF OFF SITE. AREAS ADJACENT TO THE EXISTING TURF ANCHOR WILL REQUIRE A SINGLE SAWCUT INSIDE THE FIELD AREA.

⑧ SAWCUT AND REMOVE ASPHALT PAVING TO ACCOMMODATE NEW 12" WIDE CONCRETE CURB AT BOTH ENDS OF FIELD. REMOVE EXISTING CONCRETE CURB AND PRESSURE TREATED WOOD HEADER .

⑨ COMPLETELY REMOVE THE EXISTING RUBBERIZED SURFACING FROM THE EXISTING CONVENTIONAL ASPHALT PAVING AND DISPOSE OF OFF SITE. CLEAN THE EXISTING ASPHALT PAVING WITH MECHANICAL WIRE BRUSHES TO PROVIDE AN ACCEPTABLE AND CLEAN BASE FOR THE NEW RUBBERIZED SURFACING SYSTEM.

⑩ PRESSURE WASH EXISTING ASPHALT PAVING. REMOVE MOSS AND OTHER ORGANIC DEBRIS.

⑪ IMMEDIATELY PRIOR TO APPLICATION, EXISTING ASPHALT SHALL BE THOROUGHLY CLEANED OF ALL DIRT, DEBRIS OR ANY OTHER SUBSTANCES THAT WILL BE DETRIMENTAL TO THE INSTALLATION. ALL SURFACES TO BE VACUUMED WITH A COMMERCIAL HEAVY DUTY UNIT AND PRESSURE WASHED.

⑫ PRIOR TO INSTALLATION OF THE RUBBERIZED SURFACE THE EXISTING PAVING SHALL BE CHECKED FOR PLANARITY BY THE CONTRACTOR AND FIELD LANDSCAPE ARCHITECT. THE PLANARITY CHECK SHALL INCLUDE USE OF A STRINGLINE AT THE LANE LINE LOCATION OF THE INSIDE OF LANE 1, 3 AND 5 AND THE OUTSIDE LINE OF LANE 6. FOR BIDDING PURPOSES, IT IS ASSUMED THAT 1,000 SF OF EXISTING ASPHALT PAVING SHALL REQUIRE GRINDING OF 0.10' AND 2,000 SF SHALL REQUIRE FILLING. THE EXISTING ASPHALT PAVING SHALL BE GROUND TO THE REQUIRED PLANARITY WITHIN SPECIFIED TOLERANCES. MICROGRIND OR EQUIVALENT. THE FILLING SHALL BE ACHIEVED BY USING POLYURETHANE AND A PEA ROCK OR SAND MIX TO LEVEL THE AREA.

13. FINISH SURFACE PLANARITY OF ASPHALT SHALL NOT DEVIATE MORE THAN 1/8" WHEN MEASURED WITH A 10 FOOT STRAIGHT EDGE IN ANY DIRECTION.

⑭ REMOVE EXISTING TAKE OFF BOARDS.

⑮ SAWCUT AND REMOVE EXISTING ASPHALT PAVING AND UNDERLYING AGGREGATE TO ALLOW CONSTRUCTION OF NEW POLE VAULT CONCRETE STANCHION PAD AND POLE VAULT BOX.

⑯ REMOVE AND DISPOSE OF EXISTING SAND OUT OF JUMP PITS. FILL JUMP PITS WITH BASE AGGREGATE. INSTALL ASPHALT PAVING AT FINISH SURFACE TO PROVIDE A DURABLE SURFACE SIMILAR TO ADJACENT ASPHALT PAVEMENT.

17. REMOVE EXISTING QUICK COUPLING VALVE, CAP RISER, AND BACKFILL BOX WITH NON SHRINK GROUT.

⑱ SAWCUT EXISTING ASPHALT PAVING TO ACCOMMODATE NEW HANDHOLES, IRRIGATION PIPING AND DRAINAGE PIPING.

⑲ SAWCUT AND REMOVE EXISTING ASPHALT PAVING AND UNDERLYING AGGREGATE TO ALLOW CONSTRUCTION OF NEW LONG JUMP TRIPLE JUMP, TAKE-OFF TRAYS AND JUMP PIT WITH SANDCATCHER.

⑳ SAWCUT AND REMOVE EXISTING CHAIN LINK FENCING, APPURTENANCES, FOOTINGS AND DISPOSE OF OFF SITE; BACKFILL ALL VOIDS WITH STRUCTURAL FILL, AND PATCH WITH ASPHALT PAVING.

㉑ PROTECT EXISTING RETAINING WALL THROUGHOUT CONSTRUCTION

22. PROTECT EXISTING TRACK ASPHALT PAVING TO REMAIN. IF EDGE OF ASPHALT BEGINS TO DEGRADE DUE TO CONSTRUCTION, CONTRACTOR SHALL RE-SAWCUT ASPHALT FOR A NEAT AND CONTINUOUS EDGE.

㉓ STRIP AREA WITHIN LIMITS OF DISTURBANCE OF EXISTING LANDSCAPE PLANTING MATERIAL SOD, ORGANIC MATERIALS, AND EXCESS SOIL AND DISPOSE OF OFF SITE. ALL EXCESS AND UNSUITABLE SOIL MATERIALS SHALL BE REMOVED AND DISPOSE OF OFF SITE.

24. PROTECT ALL UTILITIES TO REMAIN.

㉕ REMOVE ALL EXISTING SUBSURFACE DRAINAGE LATERAL AND COLLECTOR LINES PRIOR TO SUBGRADE ESTABLISHMENT AND DISPOSE OF OFF SITE. BACKFILL ALL VOIDS WITH STRUCTURAL FILL.

㉖ REMOVE EXISTING IRRIGATION CONTROL VALVES AND CORRESPONDING BOXES AND DELIVER TO THE OWNER ON SITE UNLESS OTHERWISE NOTED. CAP AND PROTECT EXISTING IRRIGATION MAINLINE TO REMAIN.

27. SELECTIVE DEMOLITION OF ALL IRRIGATION EQUIPMENT DOWNSTREAM OF EXISTING IRRIGATION POINT OF CONNECTION.

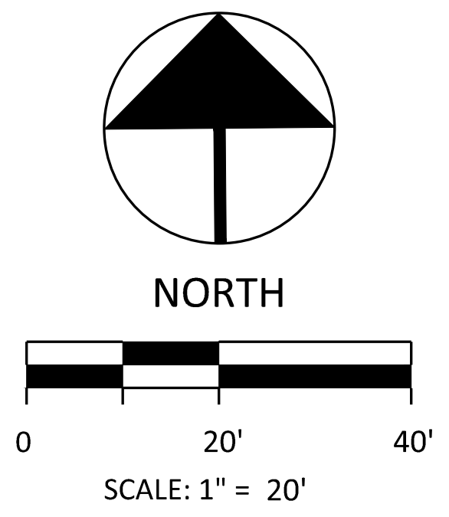
28. REMOVE EXISTING CONCRETE PAVING AND DISPOSE OF OFFSITE.

DEMOLITION LEGEND

☐	EXISTING SYNTHETIC TURF AND UNDERLYING BASE TO BE REMOVED AND DISPOSED OF OFF SITE
▩	RUBBERIZED SURFACING TO BE REMOVED AND DISPOSED OF OFF SITE. PROTECT UNDERLYING ASPHALT PAVING BASE
▨	RUBBERIZED SURFACING AND UNDERLYING BASE TO BE REMOVED AND DISPOSED OF OFF SITE.
▤	PROTECT EXISTING ASPHALT PAVING. CLEAN AND PREPARE FOR OVERLAY SEAL COAT
░	REMOVE EXISTING SAND AND ORGANIC MATERIAL
▦	REMOVE EXISTING PAVING AND DISPOSE OFF OF SITE

━ ╹╹ ━	LIMIT OF WORK
- - - -	SAWCUT LINE
—— X ——	EXISTING CHAIN LINK FENCING TO BE PROTECTED THROUGHOUT CONSTRUCTION
—— X ——	EXISTING CHAIN LINK FENCING TO BE REMOVED

Know what's below.
Call before you dig.



SCALE: 1" = 20'

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

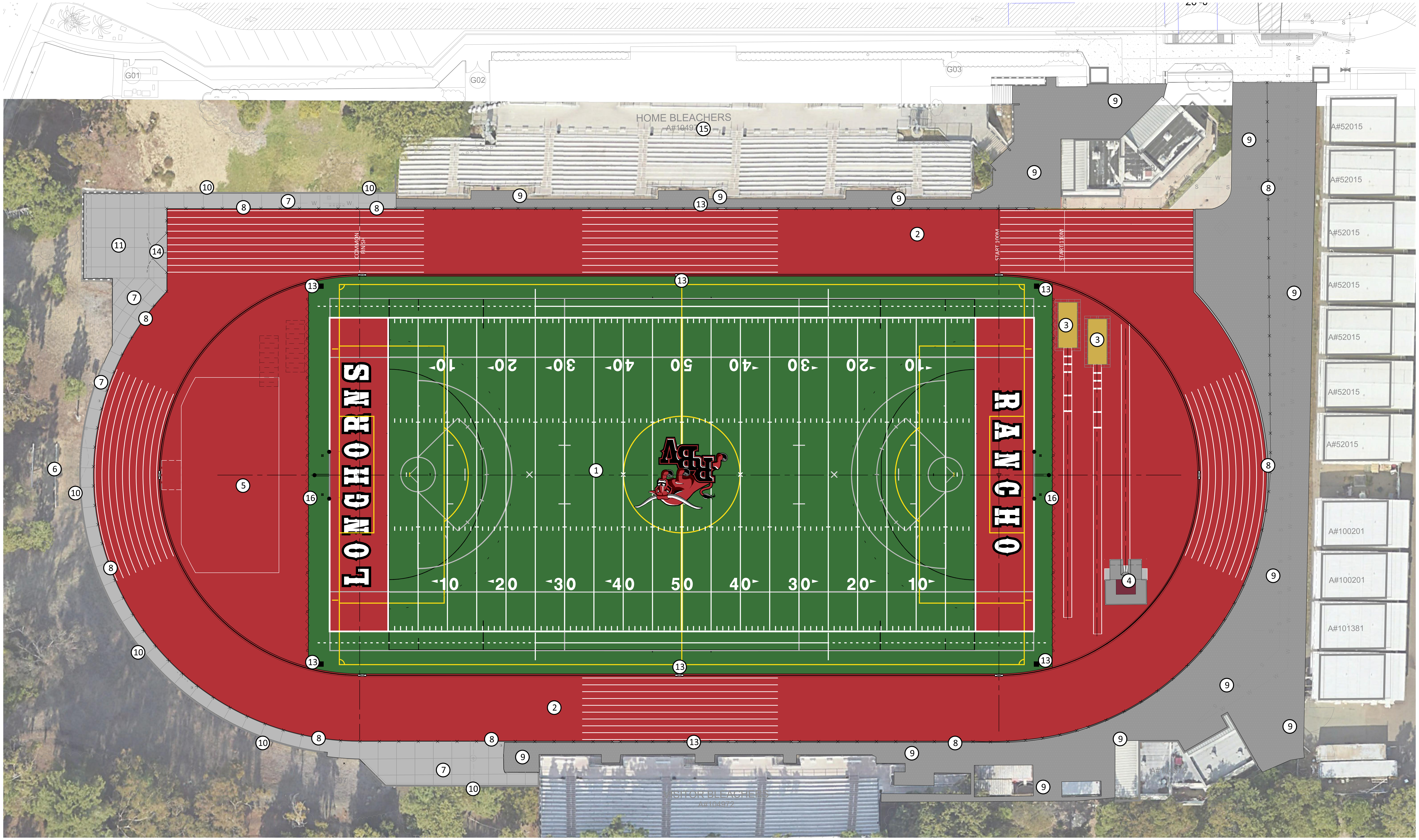
PLOT DATE:
10-30-23

SHEET TITLE

DEMOLITION PLAN

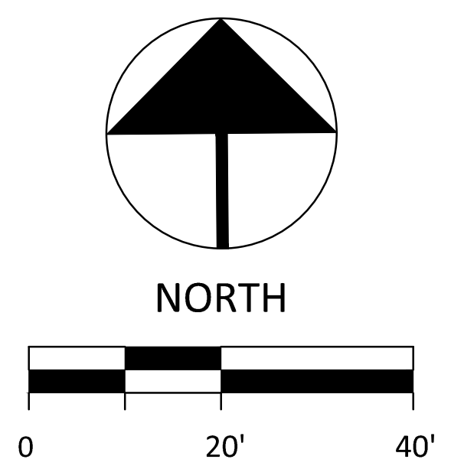
F-002

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 Vista HS Track and Field Replacement.pln



NOTES

① Medium Green Infilled Synthetic Turf Field with Football (white - 160'x360'), Soccer (black - 195'x351'), Unified Lacrosse (gray - 180'x360'), Field Hockey (maroon - 180'x300') and Flag Football (Cones - 120'x330')
② 9-42" Lane 400M Rubberized Running Track with Continuous Slot Drain at Inside Perimeter
③ Long/ Jump Triple Jump with Sand Catchers
④ Pole Vault
⑤ High Jump
⑥ Existing Scoreboard
⑦ Concrete Paving Walkway
⑧ New 4' Ht. Perimeter Fencing (per Architectural drawings)
⑨ New Seal Coat over Existing Asphalt Paving
⑩ 30" Ht Retaining Wall with Concrete Swale
⑪ Concrete Paving for Future Storage
⑫ Existing Fire lane 20' Wide
⑬ Hand hole (8 total)
⑭ Double Swing Gate (per Architectural drawings)
⑮ 160 LF Ball Control Netting



0 20' 40'
SCALE: 1" = 20'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln
PLOT DATE:
10-30-23

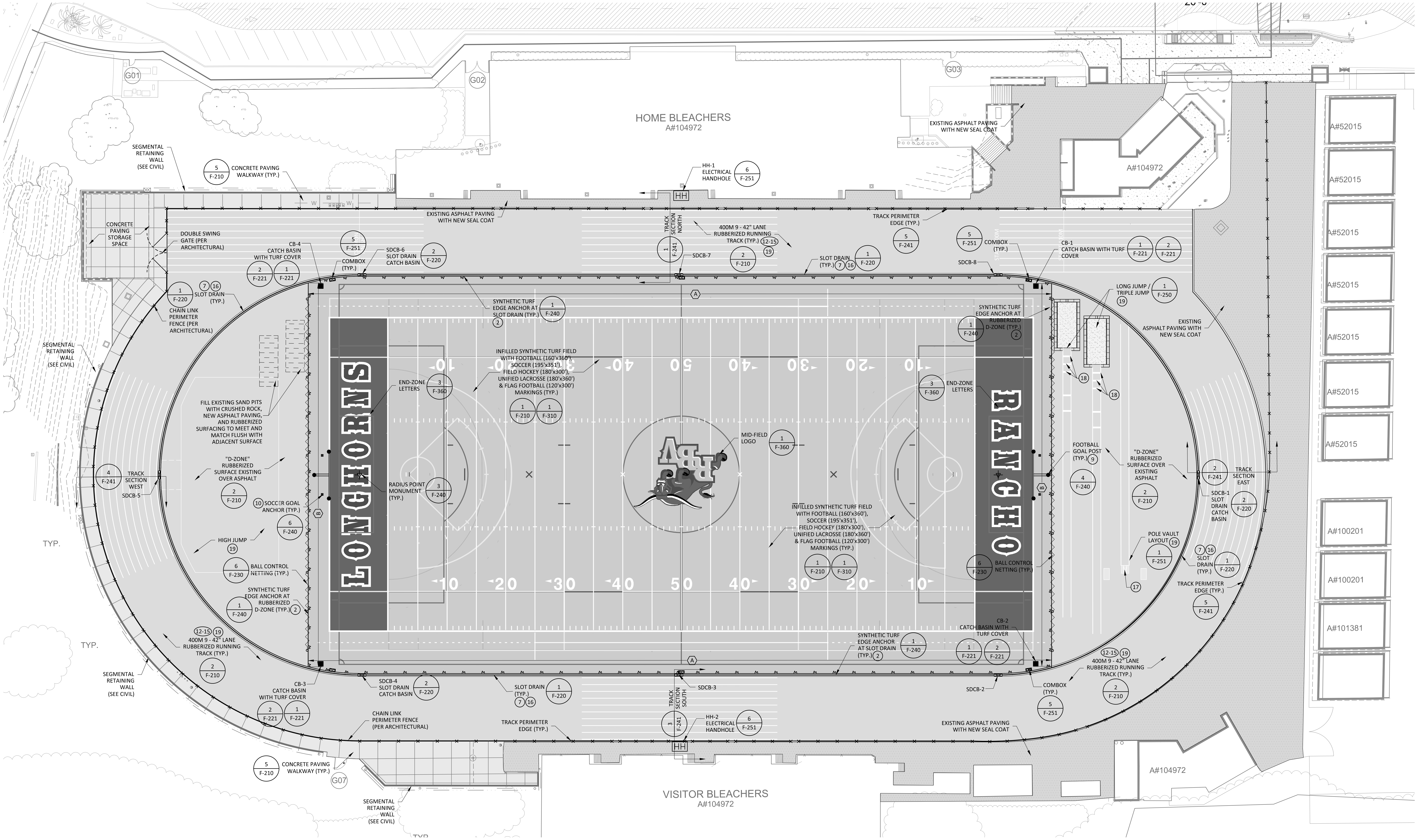
SHEET TITLE

COLOR LAYOUT PLAN

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-100

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln


HOME BLEACHERS
A#104972
G01
G02
G03
SEGMENTAL RETAINING WALL (SEE CIVIL)
5 F-210 CONCRETE PAVING WALKWAY (TYP.)
HH-1 ELECTRICAL HANDHOLE 6 F-251
EXISTING ASPHALT PAVING WITH NEW SEAL COAT
A#104972
A#52015
A#100201
A#101381
CONCRETE PAVING STORAGE SPACE
DOUBLE SWING GATE (PER ARCHITECTURAL)
CB-4 CATCH BASIN WITH TURF COVER
2 F-221
1 F-221
5 F-251
COMBOX (TYP.)
SDCB-6 SLOT DRAIN CATCH BASIN 2 F-220
TRACK SECTION NORTH 1 F-241
SDCB-7
400M 9 - 42" LANE RUBBERIZED RUNNING TRACK (TYP.) 12-15 19
2 F-210
SLOT DRAIN (TYP.) 7 16 1 F-220
TRACK PERIMETER EDGE (TYP.) 5 F-241
SDCB-8
CB-1 CATCH BASIN WITH TURF COVER 1 F-221 2 F-221
1 F-220 7 16 SLOT DRAIN (TYP.)
CHAIN LINK PERIMETER FENCE (PER ARCHITECTURAL)
SYNTHETIC TURF EDGE ANCHOR AT SLOT DRAIN (TYP.) 2 1 F-240
LONG JUMP / TRIPLE JUMP 19 1 F-250
SYNTHETIC TURF EDGE ANCHOR AT RUBBERIZED D-ZONE (TYP.) 2 1 F-240
EXISTING ASPHALT PAVING WITH NEW SEAL COAT
INFILLED SYNTHETIC TURF FIELD WITH FOOTBALL (160'x360'), SOCCER (195'x351'), FIELD HOCKEY (180'x300'), UNIFIED LACROSSE (180'x360') & FLAG FOOTBALL (120'x300') MARKINGS (TYP.)
1 F-210 1 F-310
END-ZONE LETTERS 3 F-360
FILL EXISTING SAND PITS WITH CRUSHED ROCK, NEW ASPHALT PAVING, AND RUBBERIZED SURFACING TO MEET AND MATCH FLUSH WITH ADJACENT SURFACE
18
MID-FIELD LOGO 1 F-360
LONGHORNS
RANCHO
10 20 30 40 50 40 30 20 10
A
B
FOOTBALL GOAL POST (TYP.) 9
4 F-240
"D-ZONE" RUBBERIZED SURFACE OVER EXISTING ASPHALT
2 F-210
TRACK SECTION EAST 2 F-241
SDCB-1 SLOT DRAIN CATCH BASIN 2 F-220
"D-ZONE" RUBBERIZED SURFACE EXISTING OVER ASPHALT
TRACK SECTION WEST 4 F-241
SDCB-5
10 SOCCER GOAL ANCHOR (TYP.)
6 F-240
RADIUS POINT MONUMENT (TYP.) 3 F-240
HIGH JUMP 19
6 F-230 BALL CONTROL NETTING (TYP.)
POLE VAULT LAYOUT 19 1 F-251
17
TYP.
CB-2 CATCH BASIN WITH TURF COVER
CB-3 CATCH BASIN WITH TURF COVER
SDCB-4 SLOT DRAIN CATCH BASIN 2 F-220
SDCB-3
SDCB-2
TRACK SECTION SOUTH 3 F-241
HH-2 ELECTRICAL HANDHOLE 6 F-251
HH
START 100M
START 110M
VISITOR BLEACHERS
A#104972
G07

LAYOUT NOTES

NOTE LEGEND

1. (INDICATES GENERAL CONSTRUCTION NOTE)
③ (INDICATES SPECIFIC CONSTRUCTION KEYNOTE)

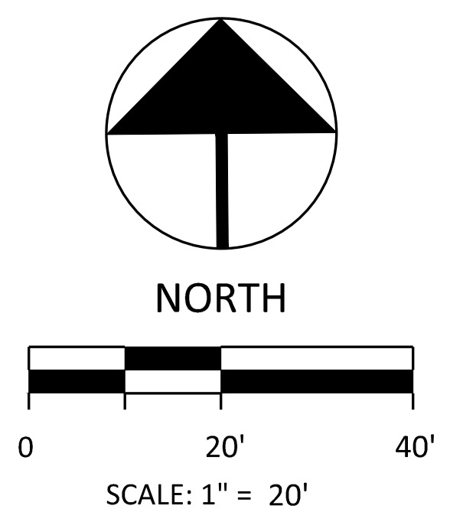
1. LAYOUT CONTROL PLAN ON SHEET F-160. DIGITAL DATA PROVIDED TO THE CONTRACTOR AFTER BID AWARD UPON REQUEST.
② FURNISH AND INSTALL CONCRETE EDGE ANCHOR CONSISTING OF SLOT DRAIN, CONCRETE CURB OR THICKENED CONCRETE EDGE AROUND THE ENTIRE PERIMETER OF THE SYNTHETIC TURF FIELD AREAS. SEE EDGE ANCHOR KEY.
3. FURNISH AND INSTALL NEW PERMEABLE FIELD BASE MATERIALS AND SYNTHETIC TURF EDGE ANCHORING SYSTEM FOR THE ENTIRE SYNTHETIC TURF FIELD AREA.
4. COORDINATE FENCE POST LOCATIONS TO AVOID EXISTING OR PROPOSED UTILITIES.
5. RESTORE ALL DISTURBED NON-SURFACE PERIMETER AREAS AT NORTH EMBANKMENT WITH 3" DEPTH WOOD CHIP MULCH.
6. NEW WORK SHALL MEET AND MATCH EXISTING ADJACENT SURFACES.
⑦ FURNISH AND INSTALL SLOT DRAIN AND CONCRETE ENCASEMENT AROUND ENTIRE INSIDE PERIMETER OF THE RUNNING TRACK. SLOT DRAIN SHALL BE INSTALLED WITH UNIFORM ALIGNMENT AND SHALL NOT DEVIATE LATERALLY MORE THAN ¼ INCH IN 10 FEET.
8. PROVIDE EXPANSION JOINTS FOR ALL CONCRETE EDGE ANCHORING AND CONCRETE SLOT DRAIN APPROXIMATELY 40' ON CENTER.
⑨ FURNISH AND INSTALL FOOTBALL GOAL POSTS AND CONCRETE FOOTINGS.
⑩ FURNISH AND INSTALL 2 SOCCER GOAL ANCHORS FOR EACH GOAL (4 TOTAL) WITH SYNTHETIC TURF COVERS.
11. REFER TO SHEET F-310 FOR SYNTHETIC TURF FIELD LINES AND MARKINGS.
⑫ IMMEDIATELY PRIOR TO RUBBERIZED SURFACING APPLICATION, NEW OR REPLACED ASPHALT PAVING SHALL BE THOROUGHLY CLEANED AND REMOVE ALL DIRT, DEBRIS OR ANY OTHER SUBSTANCES THAT WILL BE DETRIMENTAL TO THE INSTALLATION. ALL SURFACES SHALL BE PRESSURE WASHED.
⑬ FINISH SURFACE PLANARITY OF THE ASPHALT BENEATH THE RUBBERIZED SURFACING SHALL NOT DEVIATE MORE THAN 1/8" WHEN MEASURED WITH A 10-FOOT STRAIGHT EDGE IN ANY DIRECTION.
⑭ APPLY SUCH PRIMING MATERIAL AS MAY BE NECESSARY TO ASSURE COMPLETE BOND OF POLYURETHANE RUBBERIZED TRACK AND FIELD EVENT SURFACING TO THE ASPHALT PAVING.
⑮ CONTRACTOR SHALL PROTECT ALL ADJACENT AREAS FROM ANY CONTAMINATION OR OVER SPRAY FROM RUBBERIZED SURFACING INSTALLATION PROCEDURES. TAPE PLASTIC SHEETING TO EDGING OR ADJACENT EXPOSED ASPHALT OR CONCRETE PAVING TO PROTECT FIELD SURFACING, ADJACENT AREAS AND STRUCTURES, INCLUDING FENCING AND BLEACHERS.
⑯ FURNISH AND INSTALL NEW RUBBERIZED SURFACING SYSTEM OVER THE NEW CONCRETE ON BOTH SIDES OF THE NEW SLOT DRAIN. PROVIDE A STRAIGHT AND UNIFORM 1/2 INCH GAP IN THE RUBBERIZED SURFACING AT SLOT LOCATION.
⑰ FURNISH AND INSTALL FULL POUR RUBBERIZED PLUGS FOR THE POLE VAULT BOX (1 TOTAL).
⑱ FURNISH AND INSTALL RUBBERIZED SURFACING ON THE LONG JUMP TAKE OFF BOARDS (6 TOTAL).
⑲ FURNISH AND INSTALL COMPLETE TRACK AND FIELD EVENT LINES AND MARKINGS.
20. UPON COMPLETION OF THE TRACK MARKINGS, THE TRACK SURFACING CONTRACTOR SHALL FURNISH AN ACCEPTABLE DOCUMENT OR CERTIFICATE OF ACCURACY TO THE OWNER ATTESTING TO THE ACCURACY OF THE MARKINGS AND MEASUREMENTS AND SHALL INCLUDE COPIES OF THE COMPUTATIONS, CALCULATIONS, AND DRAWINGS THAT WERE USED TO OBTAIN THIS ACCURACY.
21. TRACK SURFACING COLORS - TRACK SURFACING COLOR TO BE RED, WITH WHITE LINES AND WHITE NUMBERS WITH BLACK SHADOWS.

EDGE ANCHOR KEY

A. SYNTHETIC TURF EDGE ANCHOR AT SLOT DRAIN — 1 F-240
B. SYNTHETIC TURF EDGE ANCHOR AT RUBBERIZED SURFACE EDGE — 1 F-240

LAYOUT LEGEND

▩	SYNTHETIC TURF AND PERMEABLE AGGREGATE	—×—×—	CHAINLINK FENCE AND CONCRETE CURB	■	CATCH BASIN INLET (CBI)
▨	RUBBERIZED SURFACING OVER EXISTING ASPHALT PAVING	—×—×—	CHAINLINK FENCE	◪	EXISTING CATCH BASIN INLET
▨	ASPHALT SEALCOAT	—×—×—	EXISTING CHAINLINK FENCE TO REMAIN	⊠	SLOT DRAIN CATCH BASIN
⊞	CONCRETE PAVING	═	CONCRETE CURBING	═	SLOT DRAIN ACO 2000
▨	LONG JUMP SAND	═	LIMIT OF SYNTHETIC TURF AND CONCRETE EDGE ANCHOR	▫▫	COMBOX
				HH	ELECTRICAL HANDHOLE



SCALE: 1" = 20'

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
7-31-26
10-30-23

VISTA UNIFIED SCHOOL DISTRICT
EXCELLENCE INNOVATION

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

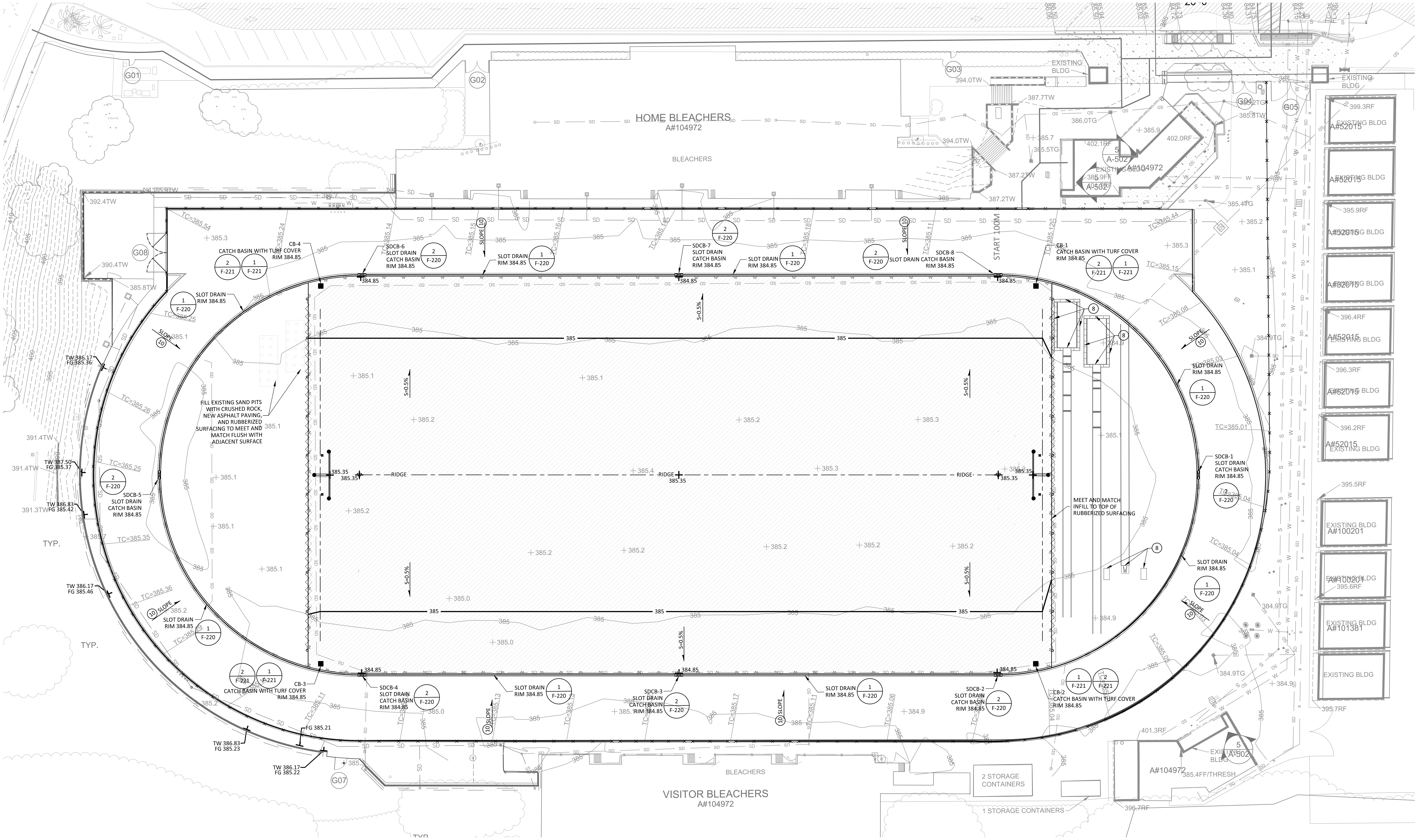
PLOT DATE:
10-30-23

SHEET TITLE

ATHLETIC FIELD
& TRACK
LAYOUT PLAN

F-110

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln


HOME BLEACHERS
A#104972
BLEACHERS
VISITOR BLEACHERS
A#104972
BLEACHERS
START 100M
RIDGE
385.35
FILL EXISTING SAND PITS WITH CRUSHED ROCK, NEW ASPHALT PAVING, AND RUBBERIZED SURFACING TO MEET AND MATCH FLUSH WITH ADJACENT SURFACE
MEET AND MATCH INFILL TO TOP OF RUBBERIZED SURFACING
CATCH BASIN WITH TURF COVER RIM 384.85
SLOT DRAIN RIM 384.85
SDCB-1 SLOT DRAIN CATCH BASIN RIM 384.85
SDCB-2 SLOT DRAIN CATCH BASIN RIM 384.85
SDCB-3 SLOT DRAIN CATCH BASIN RIM 384.85
SDCB-4 SLOT DRAIN CATCH BASIN RIM 384.85
SDCB-5 SLOT DRAIN CATCH BASIN RIM 384.85
SDCB-6 SLOT DRAIN CATCH BASIN RIM 384.85
SDCB-7 SLOT DRAIN CATCH BASIN RIM 384.85
SDCB-8 SLOT DRAIN CATCH BASIN RIM 384.85
CB-1 CATCH BASIN WITH TURF COVER RIM 384.85
CB-2 CATCH BASIN WITH TURF COVER RIM 384.85
CB-3 CATCH BASIN WITH TURF COVER RIM 384.85
CB-4 CATCH BASIN WITH TURF COVER RIM 384.85
F-220
F-221
S=0.5%
SLOPE
G01
G02
G03
G05
G07
G08
EXISTING BLDG
A#52015
A#100201
A#101381
2 STORAGE CONTAINERS
1 STORAGE CONTAINERS
TYP.

FIELD AND TRACK ELEVATIONS

SYNTHETIC TURF FIELD:

CENTERLINE:

FINISHED GRADE OF SYNTHETIC TURF INFILL:	385.35
FINISHED GRADE OF SUPPLEMENTAL PAD:	385.22
FINISHED GRADE OF TOP COURSE PERMEABLE AGGREGATE:	385.14
FINISHED GRADE OF BASE COURSE PERMEABLE AGGREGATE:	384.97
SUBGRADE ELEVATION:	384.47

FIELD EDGE:

FINISHED GRADE OF SYNTHETIC TURF INFILL:	384.85
FINISHED GRADE OF SUPPLEMENTAL PAD:	384.72
FINISHED GRADE OF TOP COURSE PERMEABLE AGGREGATE:	384.64
FINISHED GRADE OF BASE COURSE PERMEABLE AGGREGATE:	384.47
SUBGRADE ELEVATION:	383.97

RUBBERIZED RUNNING TRACK AREAS:

INSIDE EDGE:

FINISHED GRADE OF RUBBERIZED SURFACING:	385.84
FINISHED GRADE OF EXISTING BASE:	385.80

GRADING NOTES

NOTE LEGEND

1. (INDICATES GENERAL CONSTRUCTION NOTE)
③ (INDICATES SPECIFIC CONSTRUCTION KEYNOTE)

1. THE CONTRACTOR SHALL CALL AND NOTIFY DIGALERT AT 8-1-1 A MINIMUM OF 2 WORKING DAYS BEFORE DEMOLITION, DIGGING, OR GRADING OPERATIONS OCCUR.
2. NEW CONTOURS SHOWN ARE FINISH GRADE ELEVATIONS.
3. BACKFILL AND COMPACT EXCAVATED AREAS RESULTING FROM DEMOLITION ACTIVITIES PER RECOMMENDATIONS IN SOILS REPORT.
4. STRIP FIELD AREA OF EXISTING SYNTHETIC TURF AND INFILL, UNDERLAYMENT, AND ANY EXISTING SOILS TO THE SUBGRADE ELEVATIONS AND DISPOSE OF OFF SITE. ALL EXCESS AND UNSUITABLE SOIL MATERIALS SHALL BE REMOVED AND DISPOSED OF OFF SITE.
5. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN THE EVENT OR DISCOVERY OF POOR SOILS, GROUNDWATER OR DISCREPANCIES IN THE EXISTING CONDITIONS AS NOTED ON THE PLANS.
6. ALL PERIMETER PAVING SHALL MEET AND MATCH ADJACENT SURFACES.
7. ALL WALKABLE SURFACES SHALL HAVE A MAXIMUM 1:48 SLOPE IN DIRECTION OF TRAVEL UNLESS OTHERWISE CLEARLY NOTED WITH SLOPES. THIS STATEMENT SHALL TAKE PRECEDENCE TO ELEVATIONS SHOWN HEREON. CONTRACTOR TO NOTIFY ENGINEER OF RECORD WITH AN DISCREPANCY PRIOR TO SITE WORK.

⑧ CONTRACTOR TO ENSURE NEW POLE VAULT LANDING AND LONG JUMP TRIPLE JUMP SURROUND TO MEET AND MATCH FLUSH WITH EXISTING SURFACE

9. GRADING PLAN INTENT IS TO HAVE THE RUBBERIZED SURFACING FINISH GRADE 1/2" (12.5MM) ABOVE THE EXISTING TRACK ASPHALT PAVING. FIELD AND TRACK ELEVATIONS SHALL BE FIELD ADJUSTED FOLLOWING REMOVAL OF EXISTING RUBBERIZED SURFACING TO REFLECT EXISTING ASPHALT GRADE.

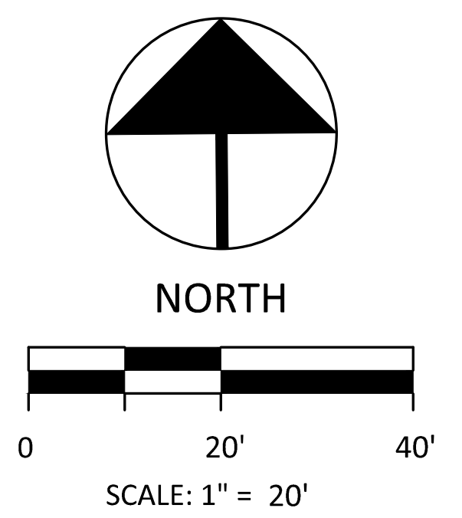
⑩ MATCH EXISTING TRACK SLOPE ±0.80%.

GRADING LEGEND

385	EXISTING CONTOUR LINES
⊥ 384.85	SPOT ELEVATION
385	NEW CONTOUR LINES
S=2.0% →	SURFACE SLOPE
← C	CONSTANT SURFACE SLOPE
—✕	MATCH TO EXISTING
— - — - —	GRADE BREAK
▨	LIMIT OF PERMEABLE AGGREGATE
▬	RETAINING WALL (PER CIVIL)
TW 388.15	TOP OF WALL ELEVATION

■	CATCH BASIN INLET (C.B.I.)
◩	EXISTING CATCH BASIN INLET
⊠	SLOT DRAIN CATCH BASIN
═	SLOT DRAIN ACO 2000
×═×═×	CHAINLINK FENCE AND CONCRETE CURB
×—×—×	CHAINLINK FENCE

Know what's below. Call before you dig.



DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

VISTA UNIFIED SCHOOL DISTRICT

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

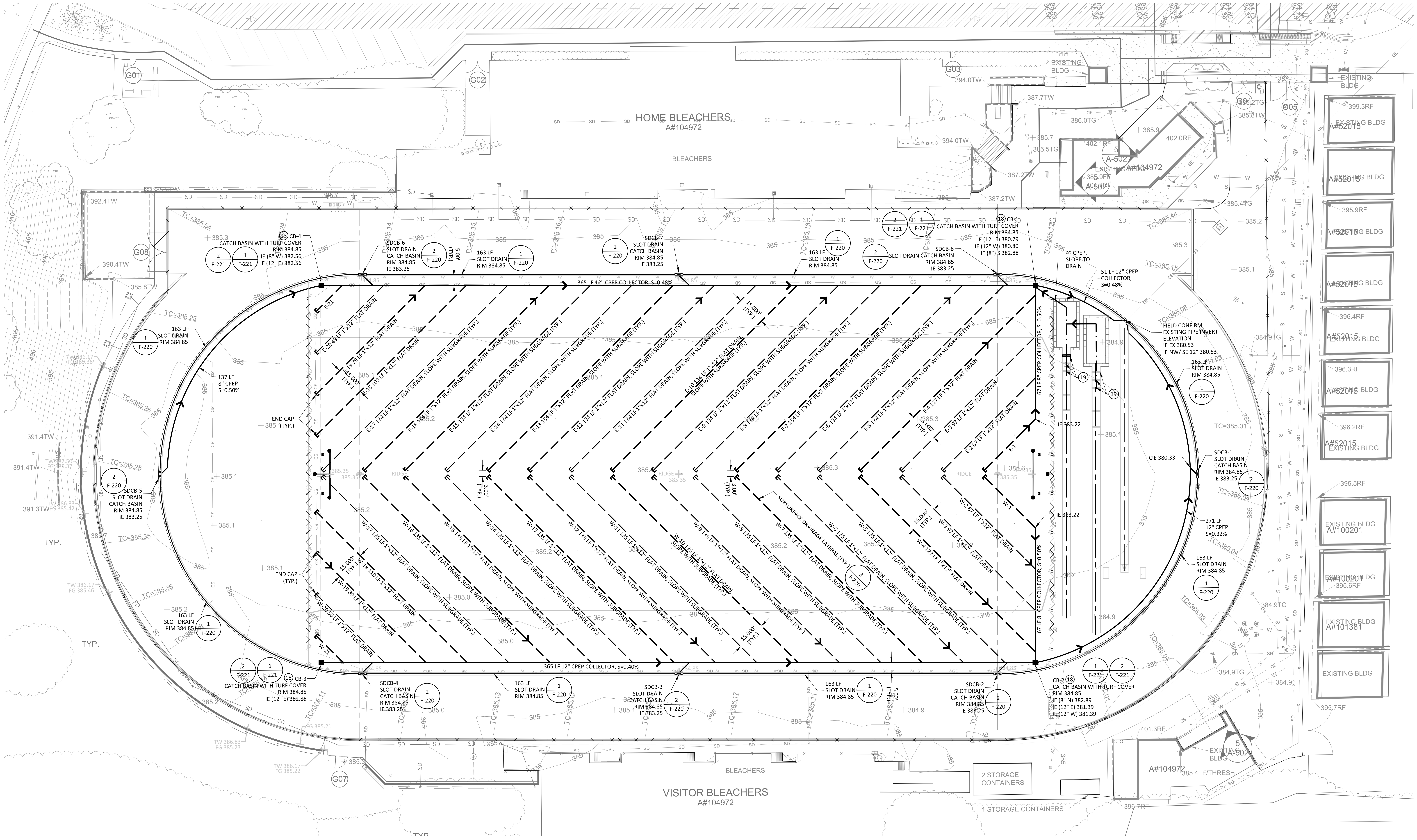
PLOT DATE:
10-30-23

SHEET TITLE

ATHLETIC FIELD
& TRACK
GRADING PLAN

F-120

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln


HOME BLEACHERS
A#104972
BLEACHERS
VISITOR BLEACHERS
A#104972
2 STORAGE CONTAINERS
1 STORAGE CONTAINERS
EXISTING BLDG
A#52015
A#100201
A#101381
G01
G02
G03
G04
G05
G07
G08
365 LF 12" CPEP COLLECTOR, S=0.48%
365 LF 12" CPEP COLLECTOR, S=0.40%
67 LF 8" CPEP COLLECTOR, S=0.50%
51 LF 12" CPEP COLLECTOR, S=0.48%
137 LF 8" CPEP S=0.50%
271 LF 12" CPEP S=0.32%
4" CPEP, SLOPE TO DRAIN
FIELD CONFIRM EXISTING PIPE INVERT ELEVATION IE EX 380.53 IE NW/ SE 12" 380.53
CB-1 CATCH BASIN WITH TURF COVER RIM 384.85 IE (12" E) 380.79 IE (12" W) 380.80 IE (8") S 382.88
CB-2 CATCH BASIN WITH TURF COVER RIM 384.85 IE (8" N) 382.89 IE (12" E) 381.39 IE (12" W) 381.39
CB-3 CATCH BASIN WITH TURF COVER RIM 384.85 IE (12" E) 382.85
CB-4 CATCH BASIN WITH TURF COVER RIM 384.85 IE (8" W) 382.56 IE (12" E) 382.56
SDCB-1 SLOT DRAIN CATCH BASIN RIM 384.85 IE 383.25
SDCB-2 SLOT DRAIN CATCH BASIN RIM 384.85 IE 383.25
SDCB-3 SLOT DRAIN CATCH BASIN RIM 384.85 IE 383.25
SDCB-4 SLOT DRAIN CATCH BASIN RIM 384.85 IE 383.25
SDCB-5 SLOT DRAIN CATCH BASIN RIM 384.85 IE 383.25
SDCB-6 SLOT DRAIN CATCH BASIN RIM 384.85 IE 383.25
SDCB-7 SLOT DRAIN CATCH BASIN RIM 384.85 IE 383.25
SDCB-8 SLOT DRAIN CATCH BASIN RIM 384.85 IE 383.25
163 LF SLOT DRAIN RIM 384.85
END CAP (TYP.)
SUBSURFACE DRAINAGE LATERAL (TYP.)
134 LF 1"x12" FLAT DRAIN, SLOPE WITH SUBGRADE (TYP.)
135 LF 1"x12" FLAT DRAIN, SLOPE WITH SUBGRADE (TYP.)
15.000' (TYP.)
3.00' (TYP.)
IE 383.22
CIE 380.33
F-220
F-221
TYP.

NORTH
0
20'
40'
SCALE: 1" = 20'

DRAINAGE NOTES

1. SUBSURFACE DRAINAGE COLLECTOR PIPE CAN BE INSTALLED PRIOR TO FINAL ACCEPTANCE OF THE FIELD SUBGRADE.
2. COORDINATION: IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ENSURE THAT THE IRRIGATION PIPING IS INSTALLED AT A SUFFICIENT DEPTH BELOW SUBGRADE BEFORE THE TRENCHING FOR THE SUBSURFACE DRAINAGE SYSTEMS TO AVOID CONFLICTS BETWEEN SYSTEMS.
3. TRENCHING FOR THE SUBSURFACE DRAINAGE LATERALS SHALL NOT PROCEED UNTIL THE IRRIGATION SYSTEM PIPING HAS BEEN BACKFILLED AND COMPACTED AND THE FIELD SUBGRADE IS APPROVED BY ENGINEER.
4. TRENCH EXCAVATION SHALL BE MADE TO THE ALIGNMENT, ELEVATION, GRADE AND SLOPE AS INDICATED ON THE DRAWINGS. TRENCHING SHALL BE ACCOMPLISHED UTILIZING EQUIPMENT WITH SLOPE AND DEPTH CONTROL, SUCH AS "LASER PLANE CONTROL SYSTEM", SO AS TO ENSURE ACCURACY IN THE BOTTOM OF THE TRENCH.
5. NO HIGH POINTS ABOVE DESIGNATED INVERT OR CALCULATED TRENCH BOTTOM ELEVATION WILL BE PERMITTED. NO SLOUGHING OF SITE MATERIAL OR LOOSE EXCAVATED SOIL WILL BE PERMITTED TO REMAIN IN THE TRENCHES.
6. SURPLUS EXCAVATED SOIL SHALL BE REMOVED FROM THE FIELD AREA PRIOR TO COMMENCING ON THE NEXT ADJACENT TRENCH. EXCAVATED MATERIAL MAY NOT REMAIN ON SUBGRADE.
7. PROVIDE A SMOOTH, EVEN SUBGRADE AFTER REMOVAL OF THE TRENCH MATERIAL. SUBGRADE TO BE COMPACTED TO 95%. LEAVE NO LOOSE MATERIAL ON THE SUBGRADE.
8. EXCAVATION BELOW INVERT GRADE MUST BE ESTABLISHED TO A DEPTH SO AS TO PROVIDE FOR SPECIFIED PLACEMENT OF PEA GRAVEL BEDDING AT BOTTOM OF PIPE ELEVATION PRIOR TO LAYING THE PERFORATED PIPE.
9. NO FOREIGN MATERIAL WILL BE PERMITTED INSIDE, ALONGSIDE, UNDER, OR ON TOP OF THE PERFORATED DRAIN PIPE.
10. THE BACKFILL FOR ALL PERFORATED PIPE SHALL BE CLEAN WASHED PEA GRAVEL. REFER TO THE SPECIFICATIONS FOR THE GRADATION REQUIREMENTS.
11. ALL TRENCHES TO HAVE BACKFILL MATERIAL "CROWNED" A MINIMUM OF 2" ABOVE SUBGRADE TO PROTECT FROM FOREIGN MATERIAL AND PROVIDE FOR EASE OF LOCATION IDENTIFICATION. CROWNS WITH FOREIGN MATERIAL CONTAMINATION SHALL BE REMOVED PRIOR TO PLACEMENT OF BASE AGGREGATE.
12. DURING PLACEMENT OF SPECIFIED TRENCH BACKFILL, PIPE MUST BE HELD IN PLACE TO PREVENT DISPLACEMENT AND PROVIDE FOR ACHIEVING SPECIFIED INVERT ELEVATION. DO NOT DAMAGE PIPE OR ALLOW PIPE TO BE DISPLACED BY PLACEMENT OF BACKFILL MATERIAL.
13. CAP THE ENDS OF ALL LATERAL RUNS. ALL OPEN ENDS DURING CONSTRUCTION ARE TO BE TEMPORARILY CAPPED OR PLUGGED.
14. CONNECTION OF LATERALS TO COLLECTOR DRAINS SHALL BE MADE WITH A COMBINATION REDUCING TEE AND REDUCING SADDLE TEE.
15. NO TRUCKS OR EQUIPMENT WILL BE ALLOWED TO DRIVE OVER THE TOP OF THE TRENCHES EXCEPT TRACK-EQUIPPED MACHINERY UTILIZED IN SPREADING BASE AGGREGATE. BACKFILLED TRENCHES ARE TO BE STAKED AND FLAGGED 3' ABOVE GRADE AT MAXIMUM 30' SPACING FOR IDENTITY.

⑯ COORDINATE SUBSURFACE DRAINAGE COLLECTOR LOCATION TO AVOID FENCE POST LOCATIONS.

⑰ BACKFILL AT TRENCHES CROSSING TRACK TO BE LEAN CONCRETE OR CDF TO TOP OF SUBGRADE PER DETAIL 7 ON SHEET F-241.

⑱ ADJUST CATCH BASIN RIM ELEVATIONS AT TRACK AND FIELD EDGE TO ACCOMMODATE RUBBERIZED OR SYNTHETIC TURF SURFACING COVERS.

⑲ CONNECT DRAIN FROM TAKEOFF BOARD ASSEMBLIES TO NEAREST CATCH BASIN. SLOPE TO DRAIN.

20.

NOTE LEGEND

1. (INDICATES GENERAL CONSTRUCTION NOTE)

③ (INDICATES SPECIFIC CONSTRUCTION KEYNOTE)

DRAINAGE LEGEND

⊏— · —	END CAP
— · — · —	4" PERF. CORR. POLY DRAIN TUBING
— — —	1"x12" FLAT DRAIN TUBING
——	CPEP SUBSURFACE DRAINAGE COLLECTOR OR STORM DRAIN PIPE
S=0.50% →	SLOPE
←	FLOW DIRECTION
IE 384.25	INVERT ELEVATION
CIE 382.54	COLLECTOR INVERT ELEVATION
■	CATCH BASIN INLET (CBI)
▧	EXISTING CATCH BASIN INLET
⊠	SLOT DRAIN CATCH BASIN
═	SLOT DRAIN ACO 2000

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

EXCELLENCE INNOVATION
VISTA UNIFIED SCHOOL DISTRICT

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

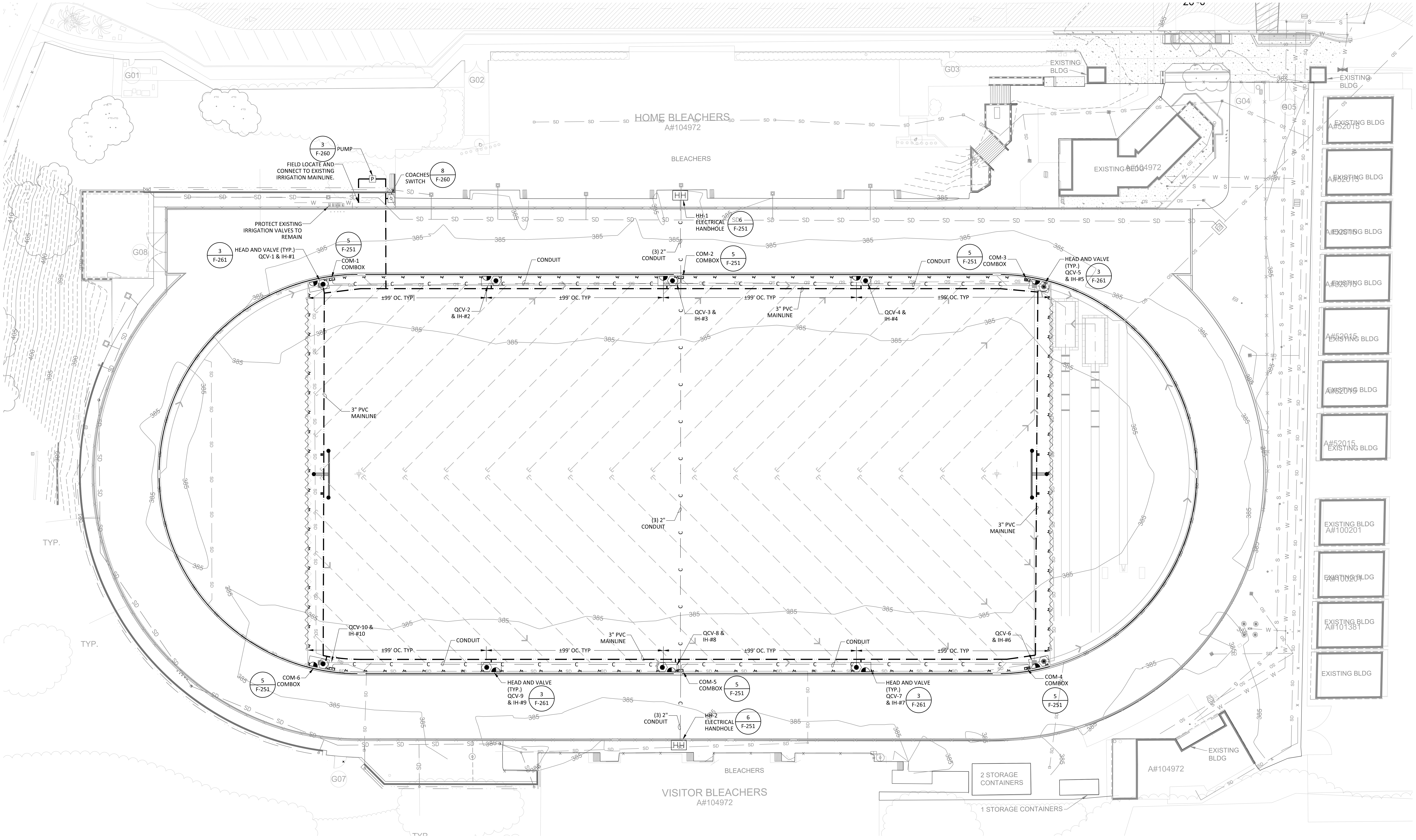
SHEET TITLE

ATHLETIC FIELD
& TRACK
DRAINAGE PLAN

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-130

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln



IRRIGATION NOTES

1. COORDINATE IRRIGATION ROTOR ASSEMBLILES AND QUICK COUPLING VALVE LOCATIONS TO CORRESPOND TO THE CONCRETE EDGE ANCHOR AT THE SYNTHETIC TURF FIELD.
2. THE CONTRACTOR SHALL LOCATE EXISTING ELECTRICAL AND COMMUNICATION CONDUCTORS IN THE FIELD AND VERIFY TO DEPTH PRIOR TO TRENCHING FOR THE DRAINAGE AND WATER SYSTEMS.
3. COORDINATE IRRIGATION PIPING TO AVOID UNDERGROUND UTILITIES.
4. COORDINATE IRRIGATION PIPING AND FENCE POSTS TO AVOID CONFLICT.
5. ALL IRRIGATION MAINLINES, LATERAL LINES, ELECTRICAL AND VALVE CONTROL WIRES CROSSING UNDER SIDEWALKS, AND ASPHALT DRIVEWAYS SHALL BE SLEEVED. SLEEVES SHALL BE PLACED UNDER ALL DRIVEWAYS, PAVED AREAS, WALKS AISLES, ETC WHERE IRRIGATION LATERAL, MAINLINE AND CONTROL WIRES CROSS. SLEEVES SHALL BE PVC SCH 40. BURY MINIMUM 24" DEEP. MINIMUM DISTANCE PAST EDGE OF PAVED SURFACE SHALL BE 24". WATER AND WIRE SHALL NOT BE PLACED IN THE SAME SLEEVE. SLEEVES SHALL BE TWICE THE DIAMETER OF THE PIPE BEING SLEEVED. WIRE SLEEVES TO BE 2". SLEEVES ARE REQUIRED, WHETHER OR NOT INDICATED IN PLAN.
6. RUN IRRIGATION VALVE CONTROLLER WIRE FROM IRRIGATION CONTROLLER CABINET TO EACH INDIVIDUAL IRRIGATION CONTROL VALVE. RUN TWO EXTRA CONTROL WIRES FROM CONTROLLER TO VALVES FOR FUTURE REPAIR.
7. THE APPROVED BACKFLOW DEVICE INSTALLED SHALL BE TESTED BY A WATER UTILITY DISTRICT APPROVED BACKFLOW ASSEMBLY TESTER PRIOR TO ALLOWING SERVICE TO THE PROJECT.
8. IRRIGATION SYSTEM LAYOUT: DUE TO THE SCALE OF THE DRAWINGS, THE CONTRACTOR SHALL BE AWARE THAT MINOR ADJUSTMENTS TO THE IRRIGATION SYSTEM MAY BE NECESSARY TO PROVIDE PROPER COVERAGE. THESE ADJUSTMENTS COULD INCLUDE NOZZLE CHANGES AND/OR ADDITION OR DELETION OF INDIVIDUAL HEADS TO COMPENSATE FOR CHANGES MADE ON THE SITE. FURTHERMORE THE IRRIGATION DESIGN IS DIAGRAMMATIC.
9. THE IRRIGATION SYSTEM DESIGN IS BASED ON A MINIMUM OPERATING PRESSURE OF 110 PSI AND MAXIMUM FLOW DEMAND OF 100 GPM. THE CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION, AND PROVIDE THROUGH THE SUBMITTAL PROCESS PUMP SIZING AS REQUIRED TO PROVIDE FLOW AND PRESSURE TO ALL VALVES. FOR PLANNING PURPOSES, AVAILABLE POWER SUPPLY SHALL BE 240V/3 PHASE. EXISTING WATER PRESSURE IS APPROXIMATELY 60 PSI.
10. COORDINATE LOCATION OF CONDUCTORS AND CONDUIT INTO IRRIGATION CONTROLLER WITH ELECTRICAL CONTRACTOR.
11. THE CONTRACTOR SHALL CALL AND NOTIFY DIGALERT AT 1-800-422-4133 A MINIMUM OF 2 WORKING DAYS BEFORE DEMOLITION, DIGGING, OR GRADING OPERATIONS OCCUR.
12. BACKFILL AND COMPACT EXCAVATED AREAS RESULTING FROM DEMOLITION ACTIVITIES WITH SELECT FILL TO 95% WITH 12" MAX LIFTS.
13. BACKFILL AT TRENCHES CROSSING TRACK TO BE LEAN CONCRETE (MIN 1000 PSI) FROM BOTTOM OF TRENCH TO TOP OF SUBGRADE.
14. THE CONTRACTOR SHALL NOTIFY THE OWNER IN THE EVENT OR DISCOVERY OF POOR SOILS, GROUNDWATER OR DISCREPANCIES IN THE EXISTING CONDITIONS AS NOTED ON THE PLANS.
15. RESTORE ALL DISTURBED SURFACES TO CONDITION PRIOR TO CONSTRUCTION.
16. FURNISH AND INSTALL THREE (3) 2 INCH DIAMETER PVC EMPTY CONDUITS WITH PULL ROPE AT THE FIELD PERIMETER AS SHOWN. TERMINATE/SWEEP INTO HAND HOLES AND COMBOX/UTILITY VAULTS.
17. EXTEND 4" PERFORATED CPEP DRAIN FROM EACH IRRIGATION HEAD (S-#1 - S-#10) AND COMBOX (C-#1 - C#7) TO FIELD SUBSURFACE DRAIN COLLECTOR TRENCH. BACKFILL WITH PEA GRAVEL.
18. IRRIGATION MAIN LINE, CONDUIT AND EMPTY CONDUIT MAY SHARE COMMON TRENCH WITH FIELD DRAINAGE COLLECTOR PIPING. PROVIDE HORIZONTAL AND VERTICAL SEPARATION AS REQUIRED.
19. SEE ELECTRICAL DRAWINGS FOR NEW HIGH VOLTAGE AND LOW VOLTAGE CIRCUITS.
20. CONDUITS IN FIELD ARE SHOWN SCHEMATICALLY FOR GRAPHIC CLARITY ONLY. INSTALL IN COMMON TRENCH WITH OTHER UTILITIES TO THE GREATEST EXTENT PRACTICAL.
21. WHEN ENCOUNTERED, EXISTING MAIN LINES AND CONDUCTORS SHALL REMAIN IN PLACE. REMOVE VALVES WHERE INDICATED AND CAP PIPES; HOWEVER MAIN LINE SHALL REMAIN OPERATIONAL AND CONTINUOUS. ALL WIRE CONNECTIONS SHALL BE COMPLETED AND RETAINED IN VALVE BOX. RETAIN VALVE BOX AND LOCATE INTO ADJACENT SYNTHETIC TURF SURFACE AREA. REMOVE HEADS AND DISCARD IF DAMAGED. REMOVE LATERAL PIPING IF ENCOUNTERED. PROVIDE UNDAMAGED HEADS AND VALVES TO DISTRICT MAINTENANCE STAFF.
22. NEW CONDUIT, MAINLINE CROSSING OR PIPING PARALLEL TO FIELD AREA MAY INTERSECT NEW FIELD DRAINAGE AND DETENTION SYSTEMS. PROTECT AND/ OR RESTORE TO ORIGINAL CONDITION ANY DRAINAGE LATERAL CONNECTION, GEOTEXTILE FABRIC OR PERMEABLE AGGREGATE DISTURBED DURING INSTALLATION.
23. QUICK COUPLING VALVES IN CONCRETE OR ASPHALT PAVING SHALL BE INSTALLED IN A 10' ROUND CONCRETE BOX. TOP OF BOX SHALL MATCH FLUSH TO ADJACENT CONCRETE PAVING.

IRRIGATION LEGEND

⬡◓	VAULT WITH QUICK COUPLING VALVE AND HEAD
⬡	QUICK COUPLING VALVE AND BOX
— · · — · · —	NEW IRRIGATION MAINLINE
▭▭	COMBOX
HH	ELECTRICAL HANDHOLE
○	COACHES SWITCH CONTROLLER
RPP	REDUCED PRESSURE PRINCIPLE DEVICE
P	PUMP
— c — c —	CONDUIT
- - - - - -	IRRIGATION SLEEVE
⧗	2" GATE VALVE AND BOX

NORTH

0 20' 40'

SCALE: 1" = 20'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

VISTA UNIFIED SCHOOL DISTRICT

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

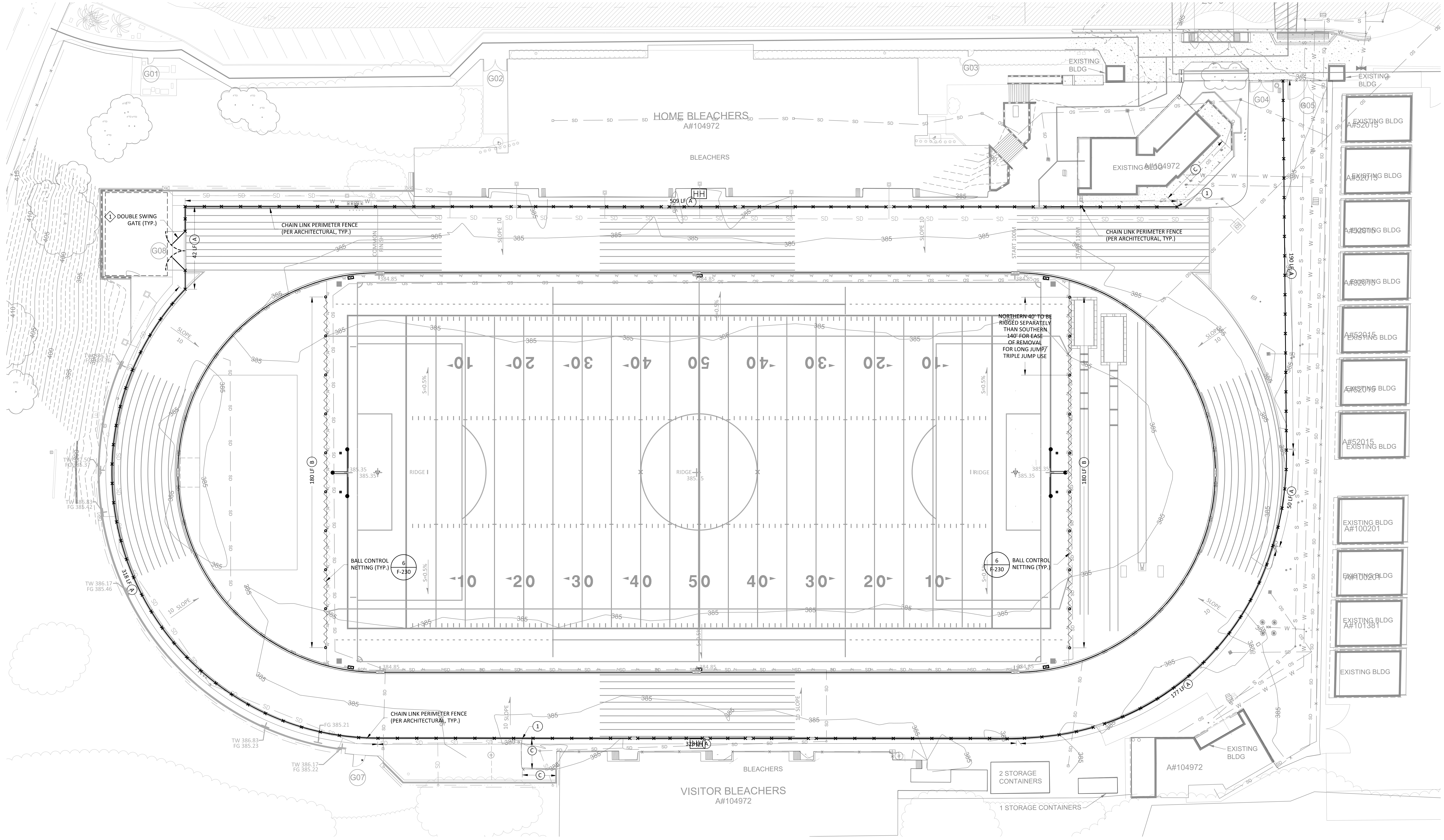
PLOT DATE:
10-30-23

SHEET TITLE

ATHLETIC FIELD & TRACK WASHWATER & IRRIGATION PLAN

F-140

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln



FENCE TYPE KEY

- (A) 4' HEIGHT CHAIN LINK FENCE; 2" MESH X9 GAUGE, TOP & BOTTOM RAIL
- (B) 10' HEIGHT PORTABLE BALL CONTROL NETTING
- (C) EXISTING PERIMETER FENCE AND GATES TO REMAIN PROTECT IN PLACE TO BE RETAINED.

GATE TYPE KEY (ALL CHAIN LINK)

- ◇1 20' DOUBLE SWING GATE (2 x 10', PER ARCHITECTURAL)

FENCING NOTES

NOTE LEGEND

1. (INDICATES GENERAL CONSTRUCTION NOTE)

③ (INDICATES SPECIFIC CONSTRUCTION KEYNOTE)

① END FENCE. MEET AND MATCH EXISTING FENCE TO PROVIDE SECURE ENCLOSURE

2 FENCE ADJACENT TO PROPERTY LINE TO BE LOCATED 12" INSIDE PROPERTY LINE

3. GATE LOCATIONS ARE SHOWN APPROXIMATE.

4. GATES TO BE CENTERED AT PERPENDICULAR PATHWAYS WHEN OCCURS.

5. ALL GATES ARE LOCKABLE.

FENCING LEGEND

×═×═×	CHAIN LINK FENCE AND CONCRETE CURB
×—×—×	CHAIN LINK FENCE
═	CONCRETE CURBING
■	CATCH BASIN INLET (C.B.I.)
6' CYCLONE FENCE	EXISTING FENCE TO REMAIN
←(B)→	FENCE TYPE AND LIMIT
◇3	GATE TYPE

NORTH

0 20' 40'

SCALE: 1" = 20'

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

VISTA UNIFIED SCHOOL DISTRICT
EXCELLENCE INNOVATION

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

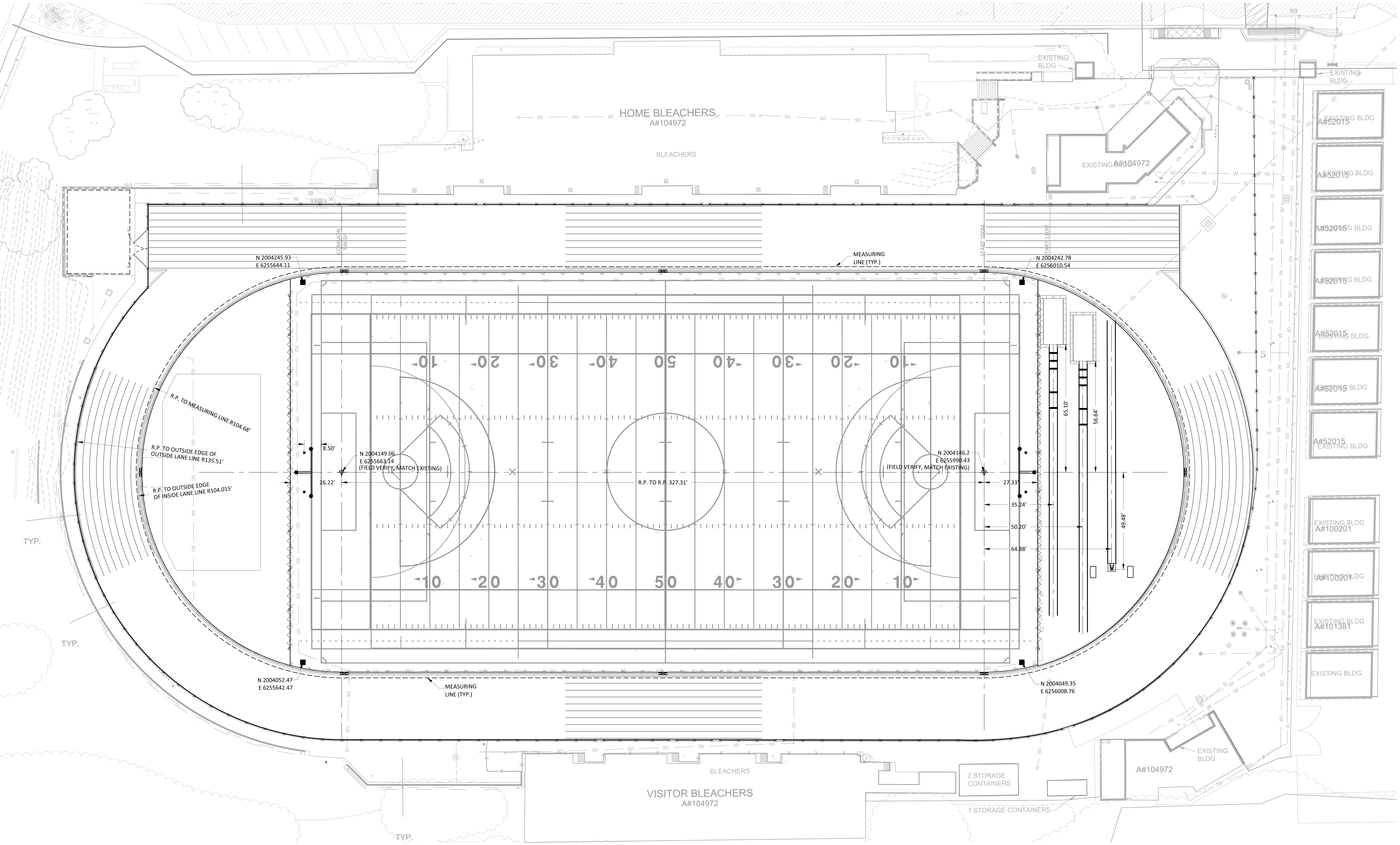
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
x/x/xx

SHEET TITLE

ATHLETIC FIELD
& TRACK
FENCING PLAN

F-150



LAYOUT CONTROL NOTES

1. DIMENSIONS INDICATED ARE TYPICALLY TO FACE OF CURB/WALL OR EDGE OF PAVEMENT.
2. CONTRACTOR WILL BE FURNISHED AUTOCAD FILES USED FOR DESIGN FOR USE DURING CONSTRUCTION.
3. TRACK RADII POINTS ARE THE INITIAL SETUP POINTS FOR WORK IN THIS AREA. IN THE EVENT OF A CONFLICT, ALL OTHER POINTS SHOULD BE CONSIDERED RELATIVE.
4. EXACT PATHWAY LAYOUT TO BE FIELD CONFIRMED BY LANDSCAPE ARCHITECT.

TRACK LAYOUT TABLE

LAYOUT SUMMARY	FEET		METERS
DISTANCE RP TO RP	327.304		99.76
RP TO MEASURING LINE	104.680		31.91
RUNNING LENGTH	1312.333		400.00
INSIDE LANE LINE TO MEASURING LINE	0.667		0.20
DISTANCE RP TO INSIDE LANE LINE	104.013		31.70
LANE WIDTH	3.500		1.07
DISTANCE RP TO LANE 2 LINE	107.513		32.77
LANE WIDTH	3.500		1.07
DISTANCE RP TO LANE 3 LINE	111.013		33.84
LANE WIDTH	3.500		1.07
DISTANCE RP TO LANE 4 LINE	114.513		34.90
LANE WIDTH	3.500		1.07
DISTANCE RP TO LANE 5 LINE	118.013		35.97
LANE WIDTH	3.500		1.07
DISTANCE RP TO LANE 6 LINE	121.513		37.04
LANE WIDTH	3.500		1.07
DISTANCE RP TO LANE 7 LINE	125.013		38.10
LANE WIDTH	3.500		1.07
DISTANCE RP TO LANE 8 LINE	128.513		39.17
LANE WIDTH	3.500		1.07
DISTANCE RP TO LANE 9 LINE	132.013		40.24
LANE WIDTH	3.500		1.07
DISTANCE RP TO OUTSIDE LANE LINE	135.513		41.30

NORTH

0 20' 40'

SCALE: 1" = 20'

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
7-31-26
10-30-23

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

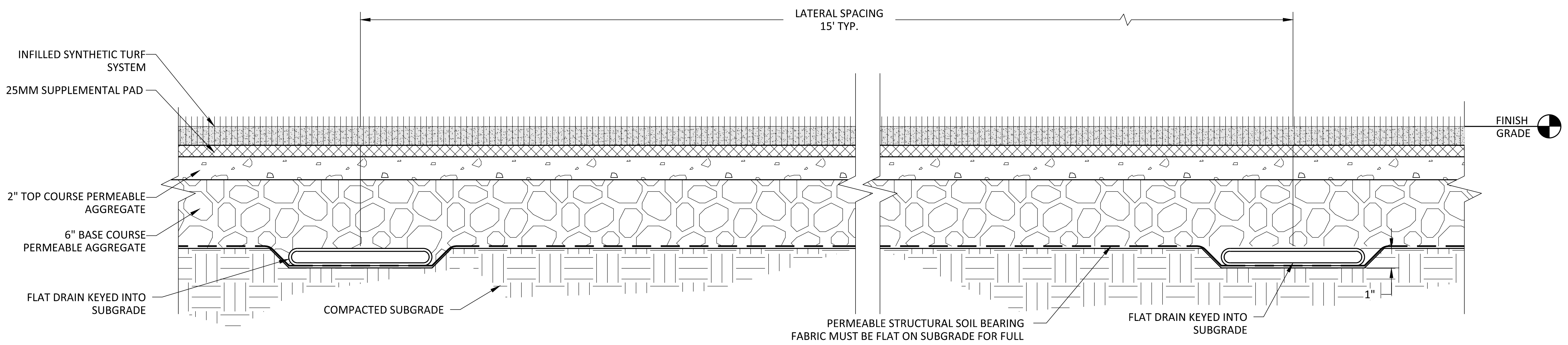
PLOT DATE:
x/x/xx

SHEET TITLE

ATHLETIC FIELD
& TRACK
DIMENSIONING
PLAN

F-160

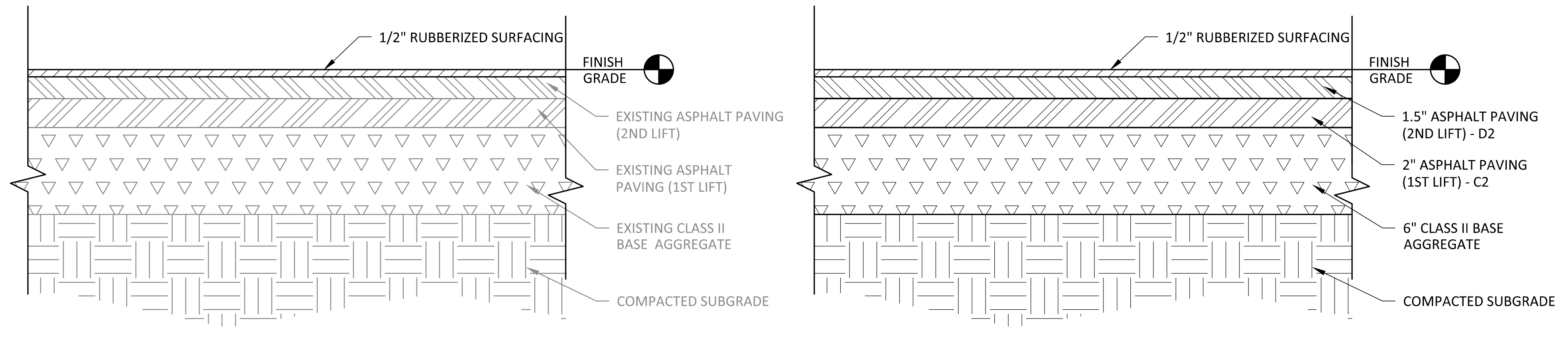
T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln


LATERAL SPACING
15' TYP.
INFILLED SYNTHETIC TURF SYSTEM
25MM SUPPLEMENTAL PAD
FINISH GRADE
2" TOP COURSE PERMEABLE AGGREGATE
6" BASE COURSE PERMEABLE AGGREGATE
FLAT DRAIN KEYED INTO SUBGRADE
COMPACTED SUBGRADE
PERMEABLE STRUCTURAL SOIL BEARING FABRIC MUST BE FLAT ON SUBGRADE FOR FULL WIDTH (TYP.)
FLAT DRAIN KEYED INTO SUBGRADE
1"

1
F-210

INFILLED SYNTHETIC TURF SECTION

NOT TO SCALE


1/2" RUBBERIZED SURFACING
FINISH GRADE
EXISTING ASPHALT PAVING (2ND LIFT)
EXISTING ASPHALT PAVING (1ST LIFT)
EXISTING CLASS II BASE AGGREGATE
COMPACTED SUBGRADE
1/2" RUBBERIZED SURFACING
FINISH GRADE
1.5" ASPHALT PAVING (2ND LIFT) - D2
2" ASPHALT PAVING (1ST LIFT) - C2
6" CLASS II BASE AGGREGATE
COMPACTED SUBGRADE

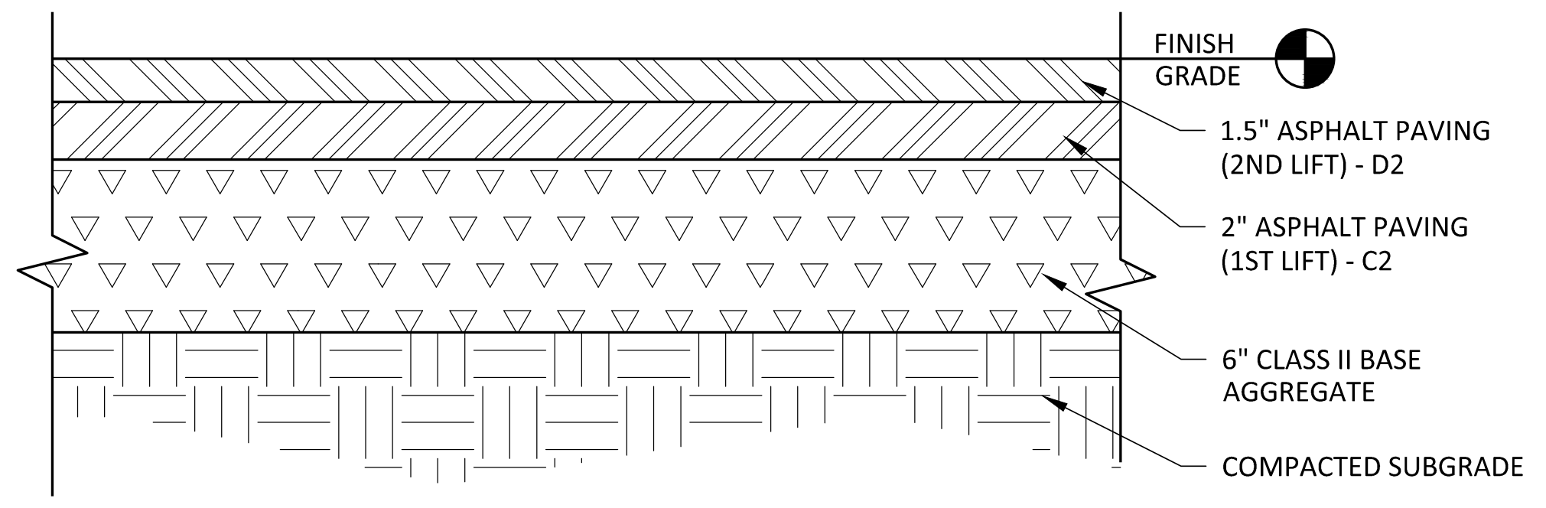
@ RUBBERIZED SURFACE OVER EXISTING ASPHALT PAVING

@ RUBBERIZED SURFACE OVER NEW ASPHALT PAVING

2
F-210

RUBBERIZED SURFACE SECTION

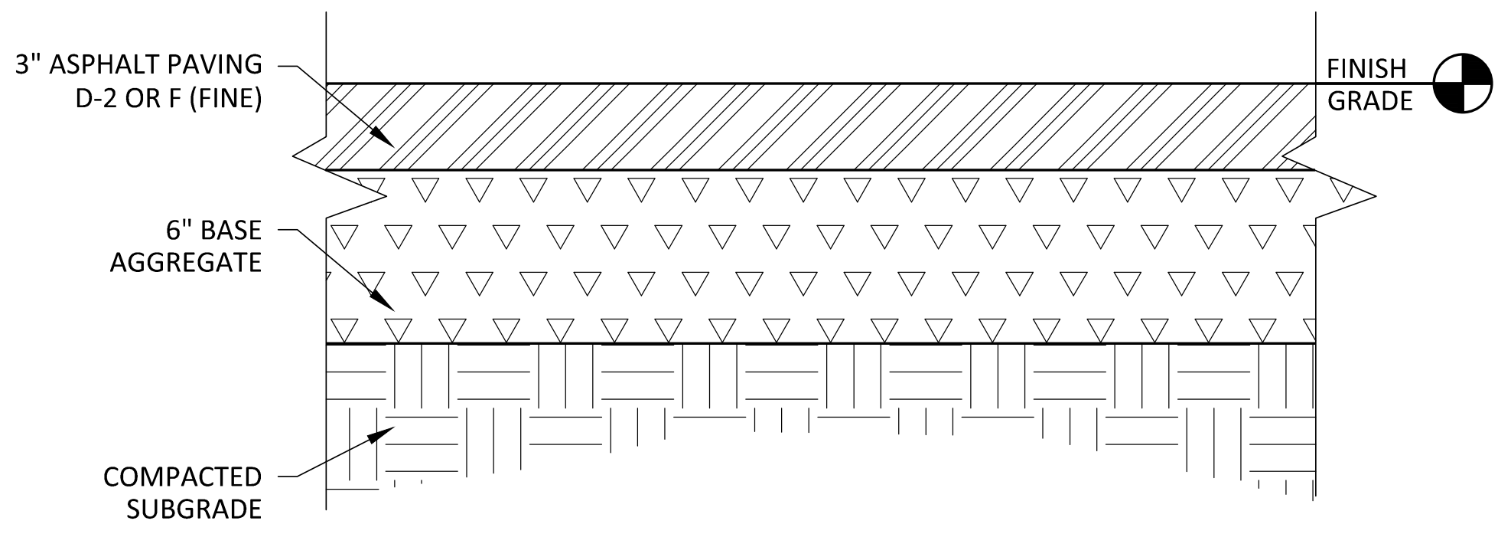
NOT TO SCALE


FINISH GRADE
1.5" ASPHALT PAVING (2ND LIFT) - D2
2" ASPHALT PAVING (1ST LIFT) - C2
6" CLASS II BASE AGGREGATE
COMPACTED SUBGRADE

3
F-210

TRACK ASPHALT PAVING SECTION

NOT TO SCALE



4
F-210

SITE ASPHALT PAVING SECTION

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

SHEET TITLE

FIELD & TRACK
SECTION
DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-210

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

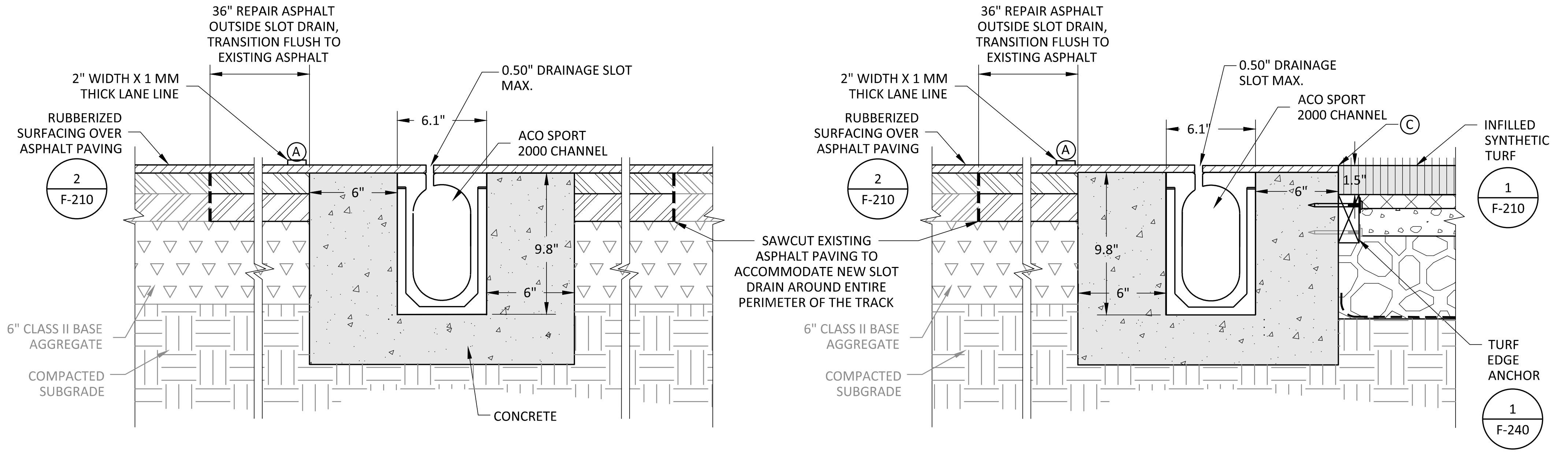
T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

NOTE:

Ⓐ INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING (TYP.)

B TOOLED EDGES SHALL BE 1/4"R MAX. (TYP.)

Ⓒ COMPRESSED SYNTHETIC TURF SHALL BE 1/4" MAX. BELOW ADJACENT PAVEMENT SURFACE. SYNTHETIC TURF PILE SHALL BE 1/2" MAX. HEIGHT ABOVE ADJACENT PAVEMENT SURFACE.

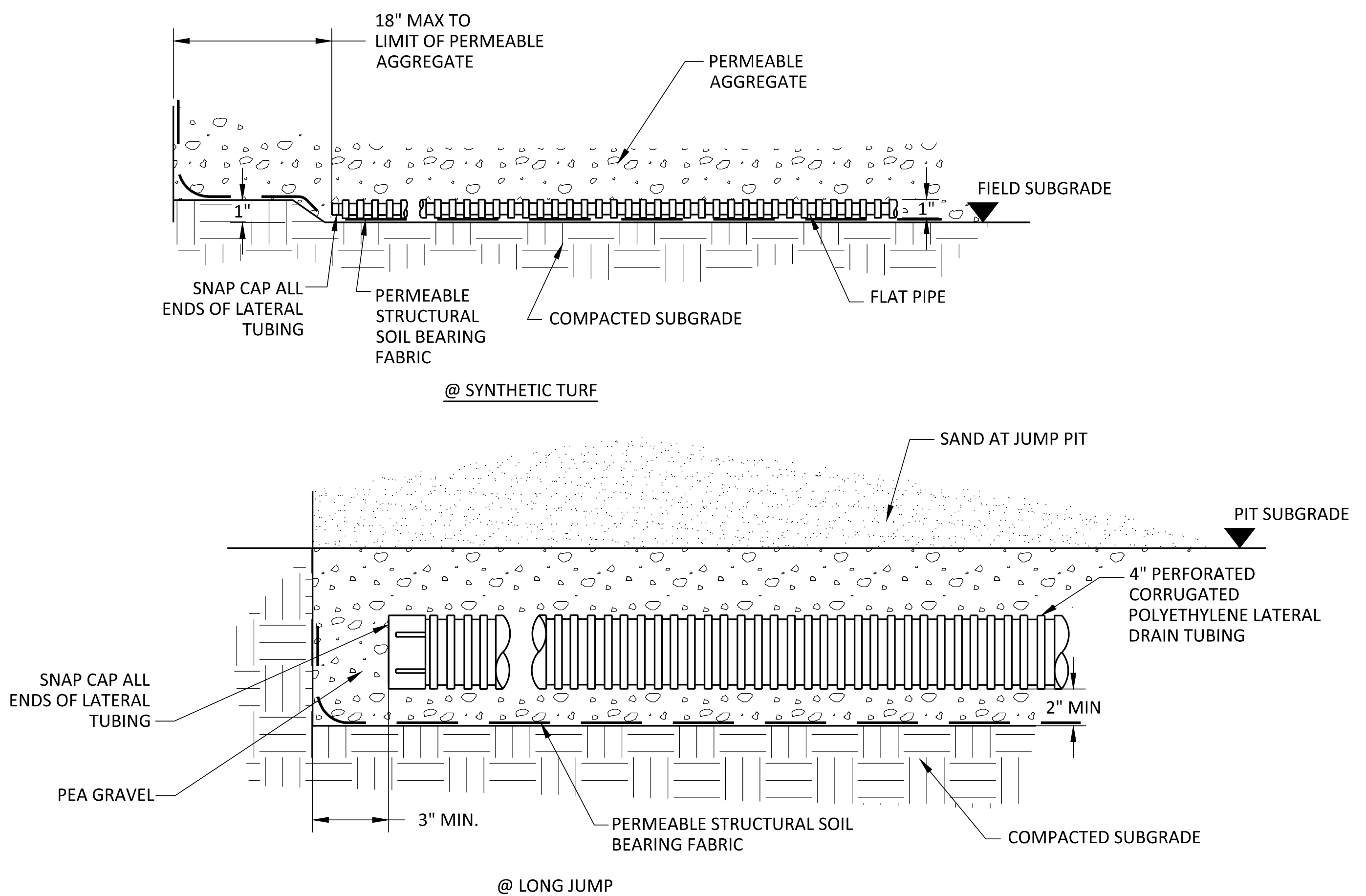

36" REPAIR ASPHALT OUTSIDE SLOT DRAIN, TRANSITION FLUSH TO EXISTING ASPHALT
2" WIDTH X 1 MM THICK LANE LINE
RUBBERIZED SURFACING OVER ASPHALT PAVING
2 F-210
A
0.50" DRAINAGE SLOT MAX.
6.1"
ACO SPORT 2000 CHANNEL
6"
9.8"
6"
6" CLASS II BASE AGGREGATE
COMPACTED SUBGRADE
CONCRETE
SAWCUT EXISTING ASPHALT PAVING TO ACCOMMODATE NEW SLOT DRAIN AROUND ENTIRE PERIMETER OF THE TRACK
36" REPAIR ASPHALT OUTSIDE SLOT DRAIN, TRANSITION FLUSH TO EXISTING ASPHALT
2" WIDTH X 1 MM THICK LANE LINE
RUBBERIZED SURFACING OVER ASPHALT PAVING
2 F-210
A
0.50" DRAINAGE SLOT MAX.
ACO SPORT 2000 CHANNEL
C
6.1"
1.5"
6"
9.8"
6"
INFILLED SYNTHETIC TURF
1 F-210
6" CLASS II BASE AGGREGATE
COMPACTED SUBGRADE
TURF EDGE ANCHOR
1 F-240

A: TRACK SLOT DRAIN AT D AREA

B: TRACK SLOT DRAIN AT SYNTHETIC TURF

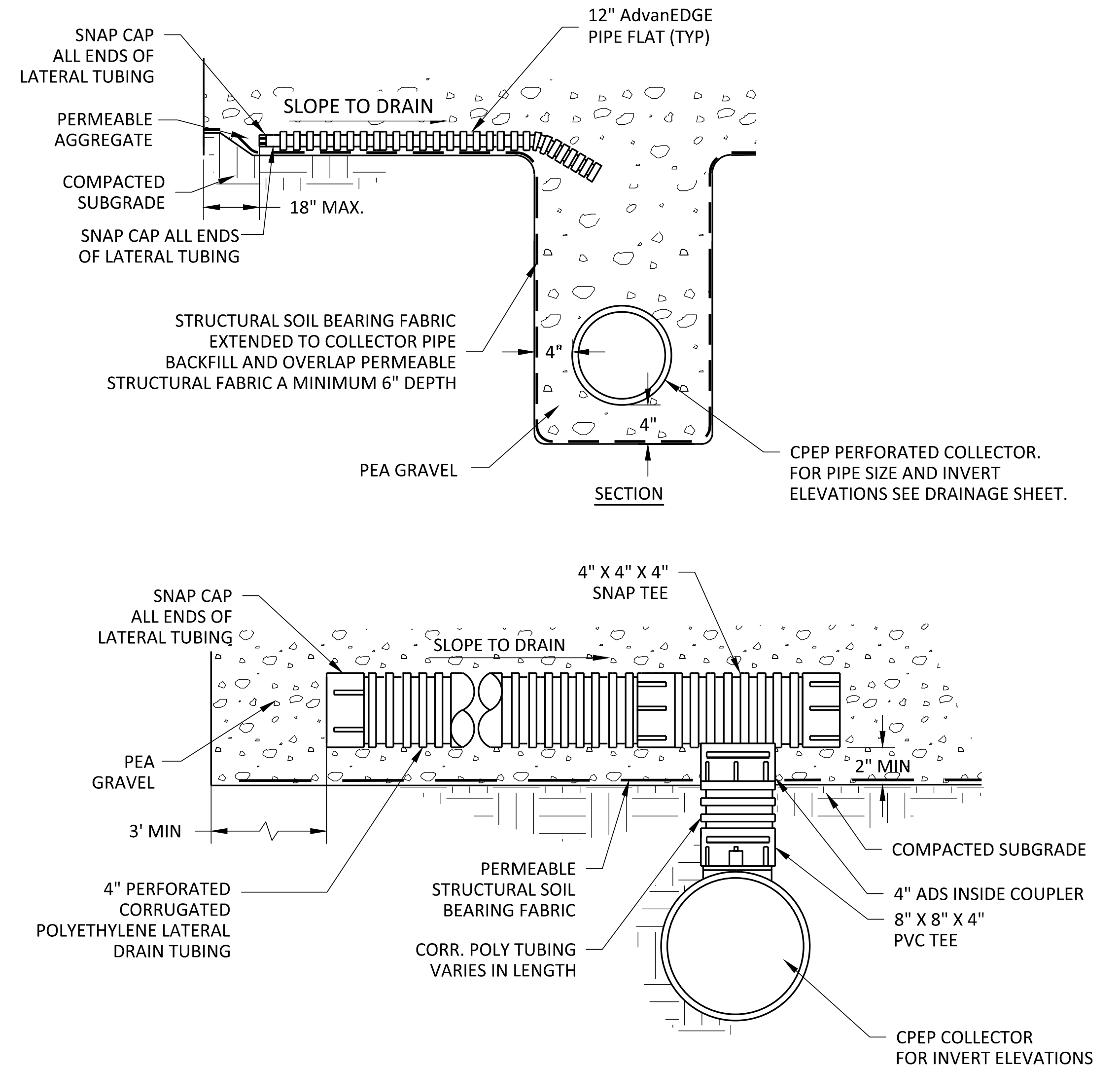
1 F-220 SLOT DRAIN

NOT TO SCALE


18" MAX TO LIMIT OF PERMEABLE AGGREGATE
PERMEABLE AGGREGATE
FIELD SUBGRADE
1"
1"
SNAP CAP ALL ENDS OF LATERAL TUBING
PERMEABLE STRUCTURAL SOIL BEARING FABRIC
COMPACTED SUBGRADE
FLAT PIPE
@ SYNTHETIC TURF
SAND AT JUMP PIT
PIT SUBGRADE
4" PERFORATED CORRUGATED POLYETHYLENE LATERAL DRAIN TUBING
SNAP CAP ALL ENDS OF LATERAL TUBING
2" MIN
PEA GRAVEL
3" MIN.
PERMEABLE STRUCTURAL SOIL BEARING FABRIC
COMPACTED SUBGRADE
@ LONG JUMP

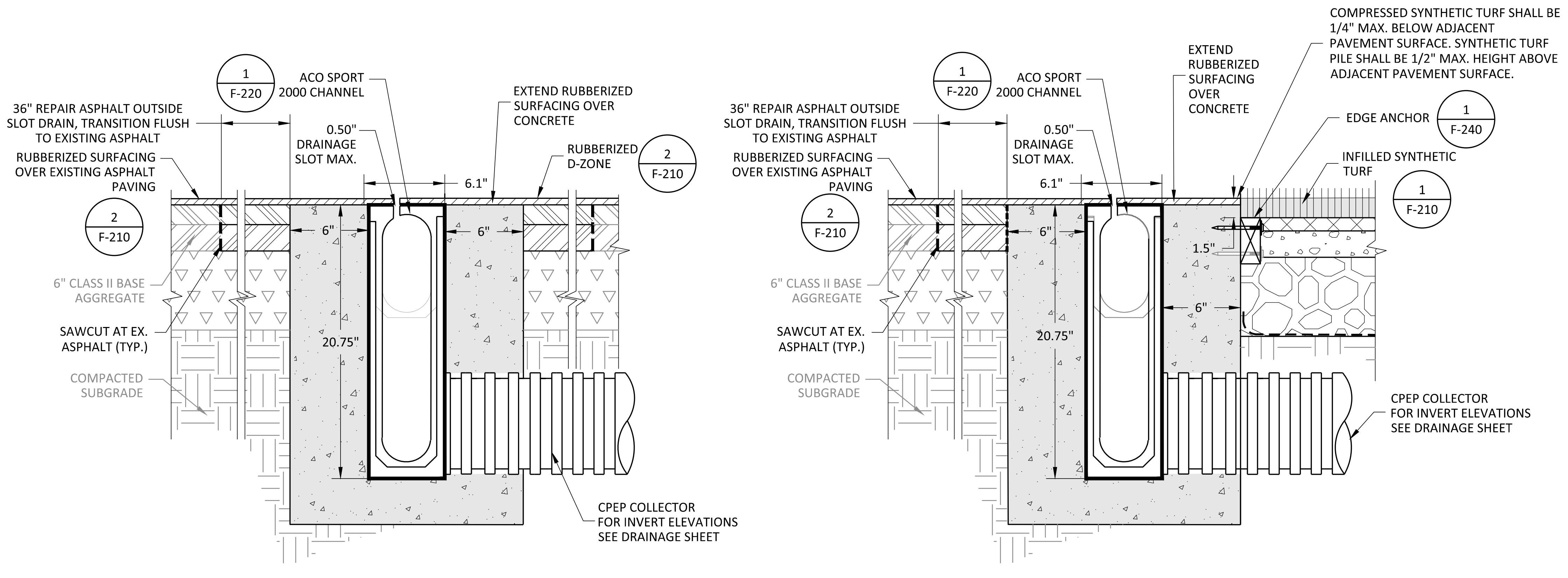
3 F-220 SUBSURFACE DRAINAGE LATERAL

NOT TO SCALE


SNAP CAP ALL ENDS OF LATERAL TUBING
12" AdvanEDGE PIPE FLAT (TYP)
SLOPE TO DRAIN
PERMEABLE AGGREGATE
COMPACTED SUBGRADE
18" MAX.
SNAP CAP ALL ENDS OF LATERAL TUBING
STRUCTURAL SOIL BEARING FABRIC EXTENDED TO COLLECTOR PIPE BACKFILL AND OVERLAP PERMEABLE STRUCTURAL FABRIC A MINIMUM 6" DEPTH
4"
4"
PEA GRAVEL
SECTION
CPEP PERFORATED COLLECTOR. FOR PIPE SIZE AND INVERT ELEVATIONS SEE DRAINAGE SHEET.
4" X 4" X 4" SNAP TEE
SNAP CAP ALL ENDS OF LATERAL TUBING
SLOPE TO DRAIN
PEA GRAVEL
2" MIN
3' MIN
COMPACTED SUBGRADE
4" PERFORATED CORRUGATED POLYETHYLENE LATERAL DRAIN TUBING
PERMEABLE STRUCTURAL SOIL BEARING FABRIC
4" ADS INSIDE COUPLER
8" X 8" X 4" PVC TEE
CORR. POLY TUBING VARIES IN LENGTH
CPEP COLLECTOR FOR INVERT ELEVATIONS SEE DRAINAGE SHEET
@ LONG JUMP

4 F-220 SUBSURFACE DRAINAGE DROP-TEE

NOT TO SCALE


1 F-220
ACO SPORT 2000 CHANNEL
EXTEND RUBBERIZED SURFACING OVER CONCRETE
36" REPAIR ASPHALT OUTSIDE SLOT DRAIN, TRANSITION FLUSH TO EXISTING ASPHALT
0.50" DRAINAGE SLOT MAX.
RUBBERIZED D-ZONE
2 F-210
RUBBERIZED SURFACING OVER EXISTING ASPHALT PAVING
6.1"
2 F-210
6"
6"
6" CLASS II BASE AGGREGATE
SAWCUT AT EX. ASPHALT (TYP.)
20.75"
COMPACTED SUBGRADE
CPEP COLLECTOR FOR INVERT ELEVATIONS SEE DRAINAGE SHEET
COMPRESSED SYNTHETIC TURF SHALL BE 1/4" MAX. BELOW ADJACENT PAVEMENT SURFACE. SYNTHETIC TURF PILE SHALL BE 1/2" MAX. HEIGHT ABOVE ADJACENT PAVEMENT SURFACE.
1 F-220
ACO SPORT 2000 CHANNEL
EXTEND RUBBERIZED SURFACING OVER CONCRETE
EDGE ANCHOR
1 F-240
36" REPAIR ASPHALT OUTSIDE SLOT DRAIN, TRANSITION FLUSH TO EXISTING ASPHALT
0.50" DRAINAGE SLOT MAX.
RUBBERIZED SURFACING OVER EXISTING ASPHALT PAVING
INFILLED SYNTHETIC TURF
1 F-210
6.1"
2 F-210
6"
1.5"
6" CLASS II BASE AGGREGATE
6"
SAWCUT AT EX. ASPHALT (TYP.)
20.75"
COMPACTED SUBGRADE
CPEP COLLECTOR FOR INVERT ELEVATIONS SEE DRAINAGE SHEET

A: TRACK SLOT DRAIN AT D AREA

B: TRACK SLOT DRAIN AT SYNTHETIC TURF

2 F-220 SLOT DRAIN CATCH BASIN

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

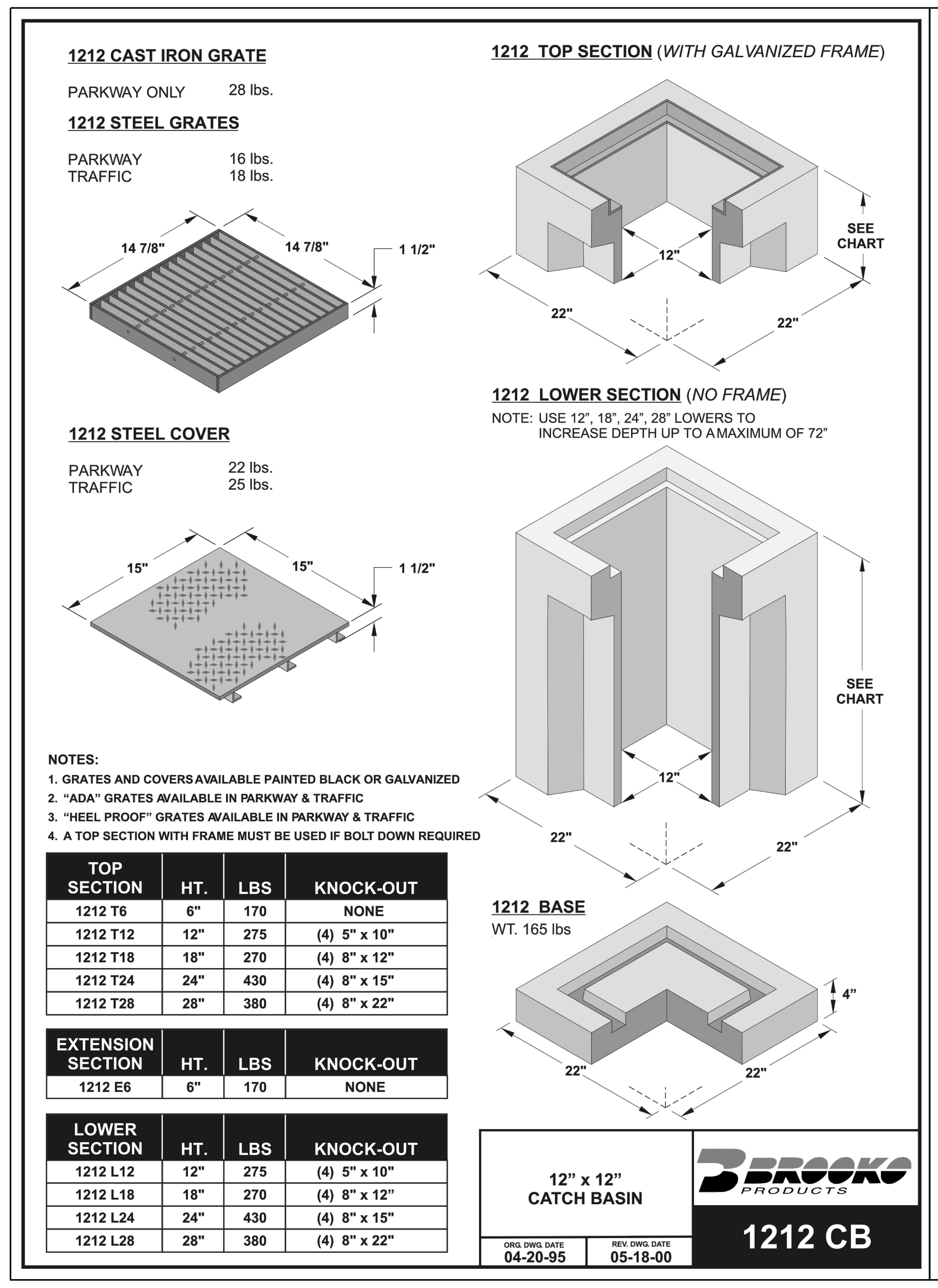
SHEET TITLE

FIELD & TRACK
DRAINAGE
DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-220

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln



1212 CAST IRON GRATE

PARKWAY ONLY 28 lbs.

1212 STEEL GRATES

PARKWAY	16 lbs.
TRAFFIC	18 lbs.

1212 STEEL COVER

PARKWAY	22 lbs.
TRAFFIC	25 lbs.

1212 TOP SECTION (*WITH GALVANIZED FRAME*)

1212 LOWER SECTION (*NO FRAME*)

NOTE: USE 12", 18", 24", 28" LOWERS TO INCREASE DEPTH UP TO A MAXIMUM OF 72"

1212 BASE

WT. 165 lbs

NOTES:
1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" GRATES AVAILABLE IN PARKWAY & TRAFFIC
3. "HEEL PROOF" GRATES AVAILABLE IN PARKWAY & TRAFFIC
4. A TOP SECTION WITH FRAME MUST BE USED IF BOLT DOWN REQUIRED

TOP SECTION	HT.	LBS	KNOCK-OUT
1212 T6	6"	170	NONE
1212 T12	12"	275	(4) 5" x 10"
1212 T18	18"	270	(4) 8" x 12"
1212 T24	24"	430	(4) 8" x 15"
1212 T28	28"	380	(4) 8" x 22"

EXTENSION SECTION	HT.	LBS	KNOCK-OUT
1212 E6	6"	170	NONE

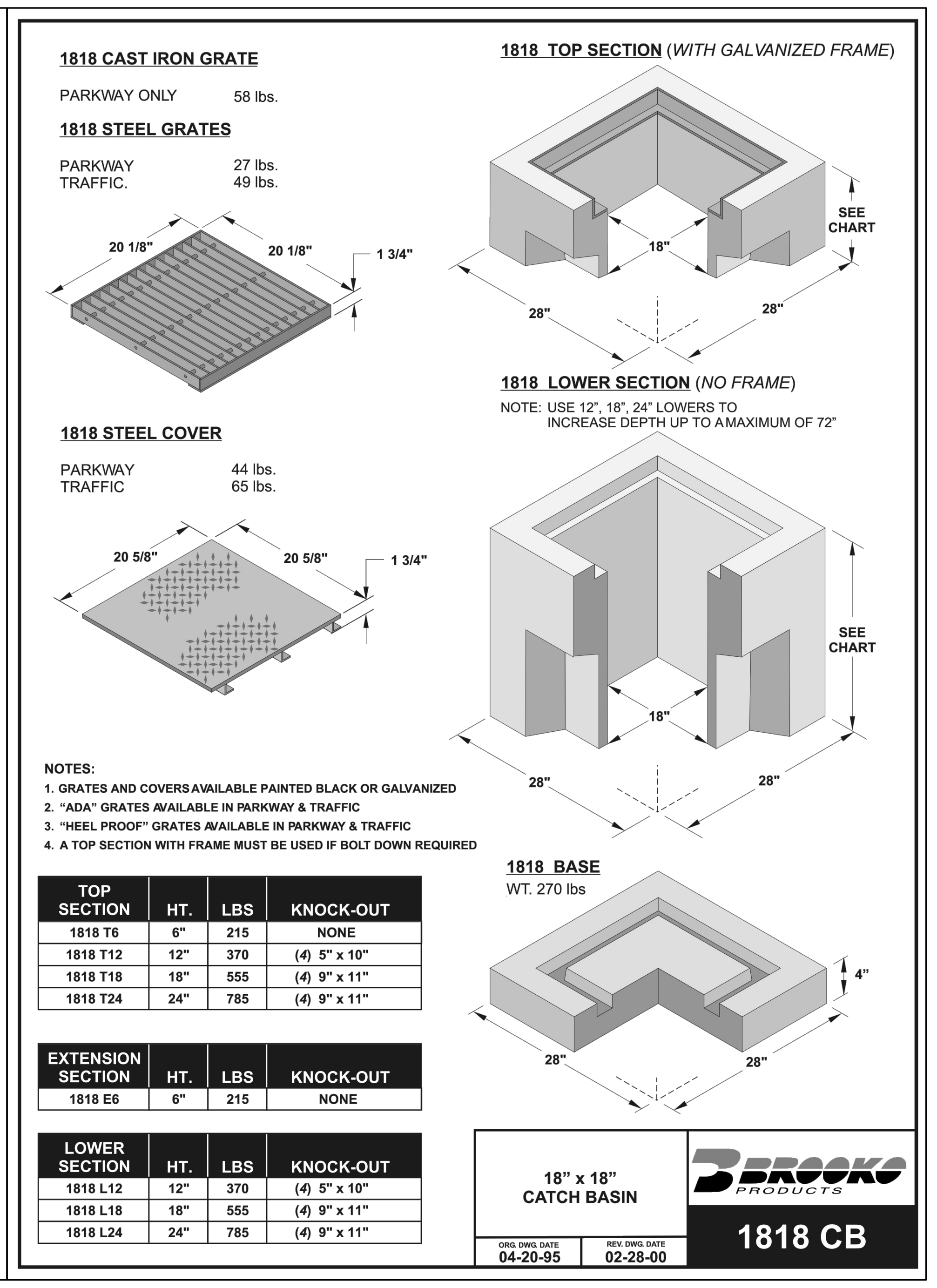
LOWER SECTION	HT.	LBS	KNOCK-OUT
1212 L12	12"	275	(4) 5" x 10"
1212 L18	18"	270	(4) 8" x 12"
1212 L24	24"	430	(4) 8" x 15"
1212 L28	28"	380	(4) 8" x 22"

12" x 12"
CATCH BASIN

BROOKS PRODUCTS

ORG. DWG. DATE 04-20-95
REV. DWG. DATE 05-18-00

1212 CB



1818 CAST IRON GRATE

PARKWAY ONLY 58 lbs.

1818 STEEL GRATES

PARKWAY	27 lbs.
TRAFFIC.	49 lbs.

1818 STEEL COVER

PARKWAY	44 lbs.
TRAFFIC	65 lbs.

1818 TOP SECTION (*WITH GALVANIZED FRAME*)

1818 LOWER SECTION (*NO FRAME*)

NOTE: USE 12", 18", 24" LOWERS TO INCREASE DEPTH UP TO A MAXIMUM OF 72"

1818 BASE

WT. 270 lbs

NOTES:
1. GRATES AND COVERS AVAILABLE PAINTED BLACK OR GALVANIZED
2. "ADA" GRATES AVAILABLE IN PARKWAY & TRAFFIC
3. "HEEL PROOF" GRATES AVAILABLE IN PARKWAY & TRAFFIC
4. A TOP SECTION WITH FRAME MUST BE USED IF BOLT DOWN REQUIRED

TOP SECTION	HT.	LBS	KNOCK-OUT
1818 T6	6"	215	NONE
1818 T12	12"	370	(4) 5" x 10"
1818 T18	18"	555	(4) 9" x 11"
1818 T24	24"	785	(4) 9" x 11"

EXTENSION SECTION	HT.	LBS	KNOCK-OUT
1818 E6	6"	215	NONE

LOWER SECTION	HT.	LBS	KNOCK-OUT
1818 L12	12"	370	(4) 5" x 10"
1818 L18	18"	555	(4) 9" x 11"
1818 L24	24"	785	(4) 9" x 11"

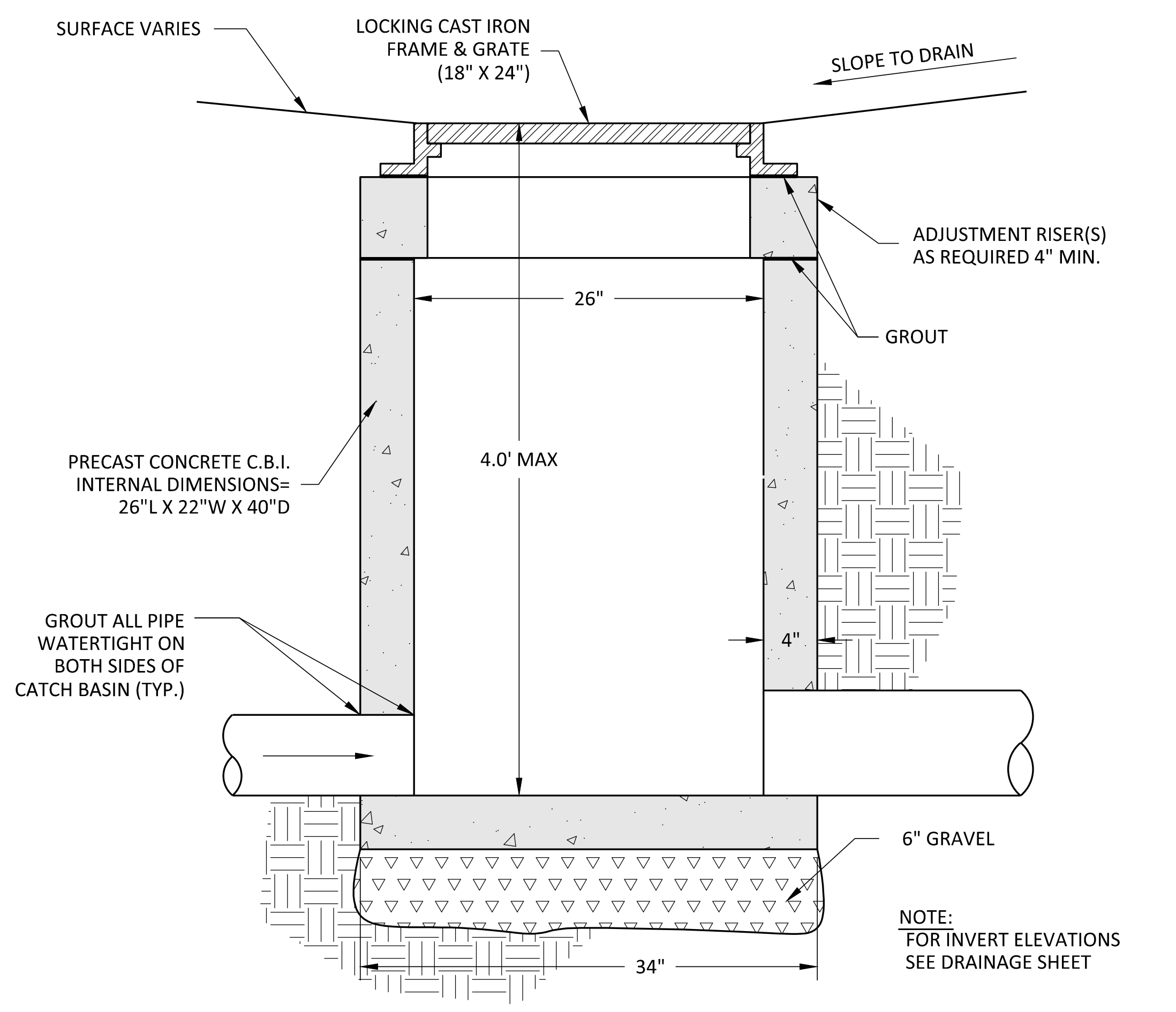
18" x 18"
CATCH BASIN

BROOKS PRODUCTS

ORG. DWG. DATE 04-20-95
REV. DWG. DATE 02-28-00

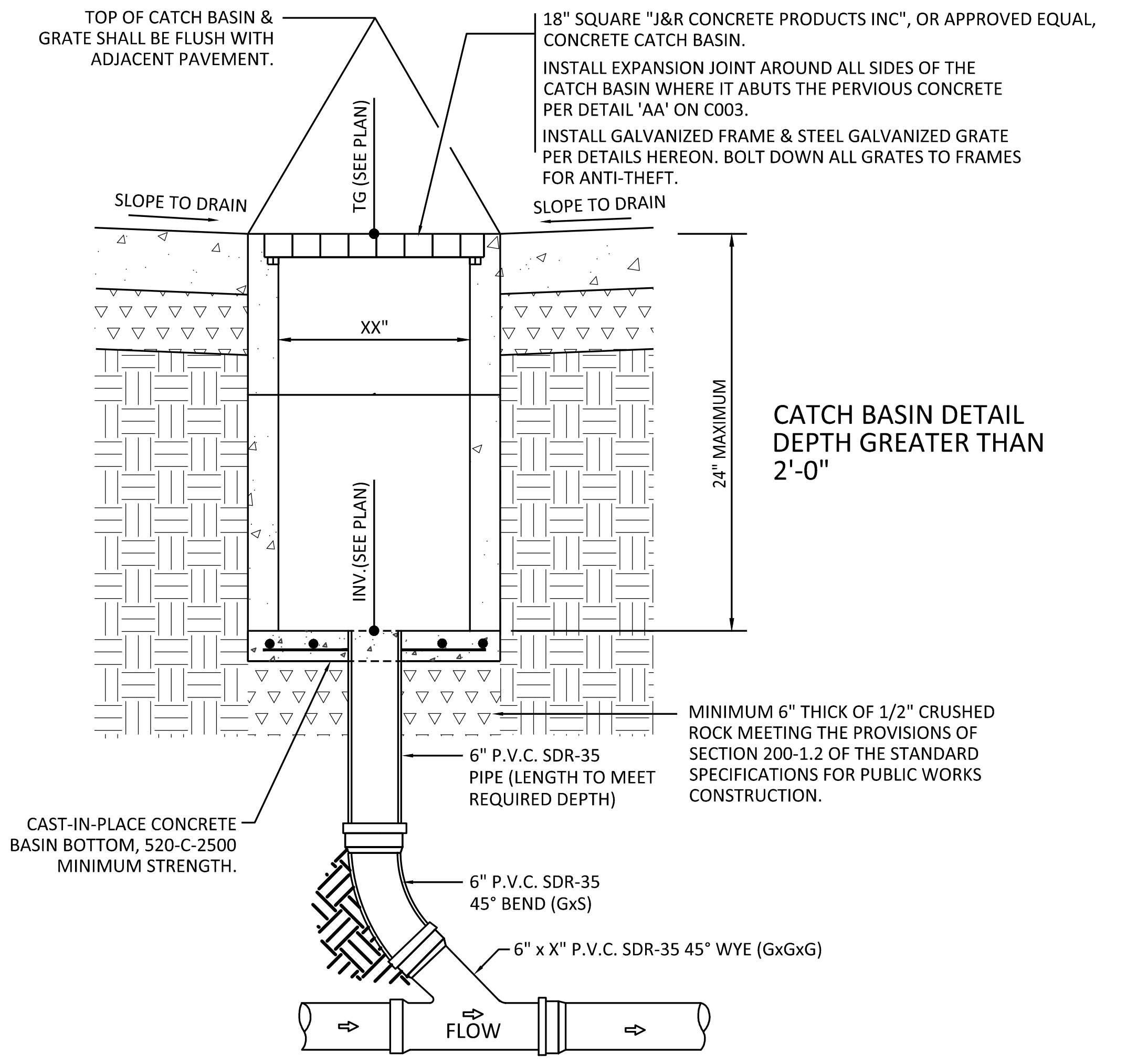
1818 CB

GRATES SHALL HAVE OPENINGS NOT EXCEEDING 1/2" IN ANY DIRECTION IN MULTI-DIRECTIONAL PLAZA AREAS WHERE PEDESTRIAN TRAFFIC FLOWS IN ALL DIRECTIONS. IN AREAS WHERE PEDESTRIAN TRAFFIC FLOWS IS DETERMINED TO TRAVEL IN A EAST/WEST OR NORTH/SOUTH DIRECTION, ELONGATED GRATE OPENINGS ARE ACCEPTABLE PROVIDED THESE OPENING ARE LIMITED TO 1/2" MAXIMUM IN THE DIRECTION OF TRAVEL.



SURFACE VARIES
LOCKING CAST IRON FRAME & GRATE (18" X 24")
SLOPE TO DRAIN
ADJUSTMENT RISER(S) AS REQUIRED 4" MIN.
GROUT
26"
4.0' MAX
PRECAST CONCRETE C.B.I. INTERNAL DIMENSIONS= 26"L X 22"W X 40"D
GROUT ALL PIPE WATERTIGHT ON BOTH SIDES OF CATCH BASIN (TYP.)
4"
6" GRAVEL
34"

NOTE:
FOR INVERT ELEVATIONS SEE DRAINAGE SHEET



TOP OF CATCH BASIN & GRATE SHALL BE FLUSH WITH ADJACENT PAVEMENT.
SLOPE TO DRAIN
TG (SEE PLAN)
SLOPE TO DRAIN
XX"
24" MAXIMUM
INV.(SEE PLAN)
6" P.V.C. SDR-35 PIPE (LENGTH TO MEET REQUIRED DEPTH)
6" P.V.C. SDR-35 45° BEND (GxS)
6" x X" P.V.C. SDR-35 45° WYE (GxGxG)
FLOW

18" SQUARE "J&R CONCRETE PRODUCTS INC", OR APPROVED EQUAL, CONCRETE CATCH BASIN.

INSTALL EXPANSION JOINT AROUND ALL SIDES OF THE CATCH BASIN WHERE IT ABUTS THE PERVIOUS CONCRETE PER DETAIL 'AA' ON C003.

INSTALL GALVANIZED FRAME & STEEL GALVANIZED GRATE PER DETAILS HEREON. BOLT DOWN ALL GRATES TO FRAMES FOR ANTI-THEFT.

CATCH BASIN DETAIL
DEPTH GREATER THAN
2'-0"

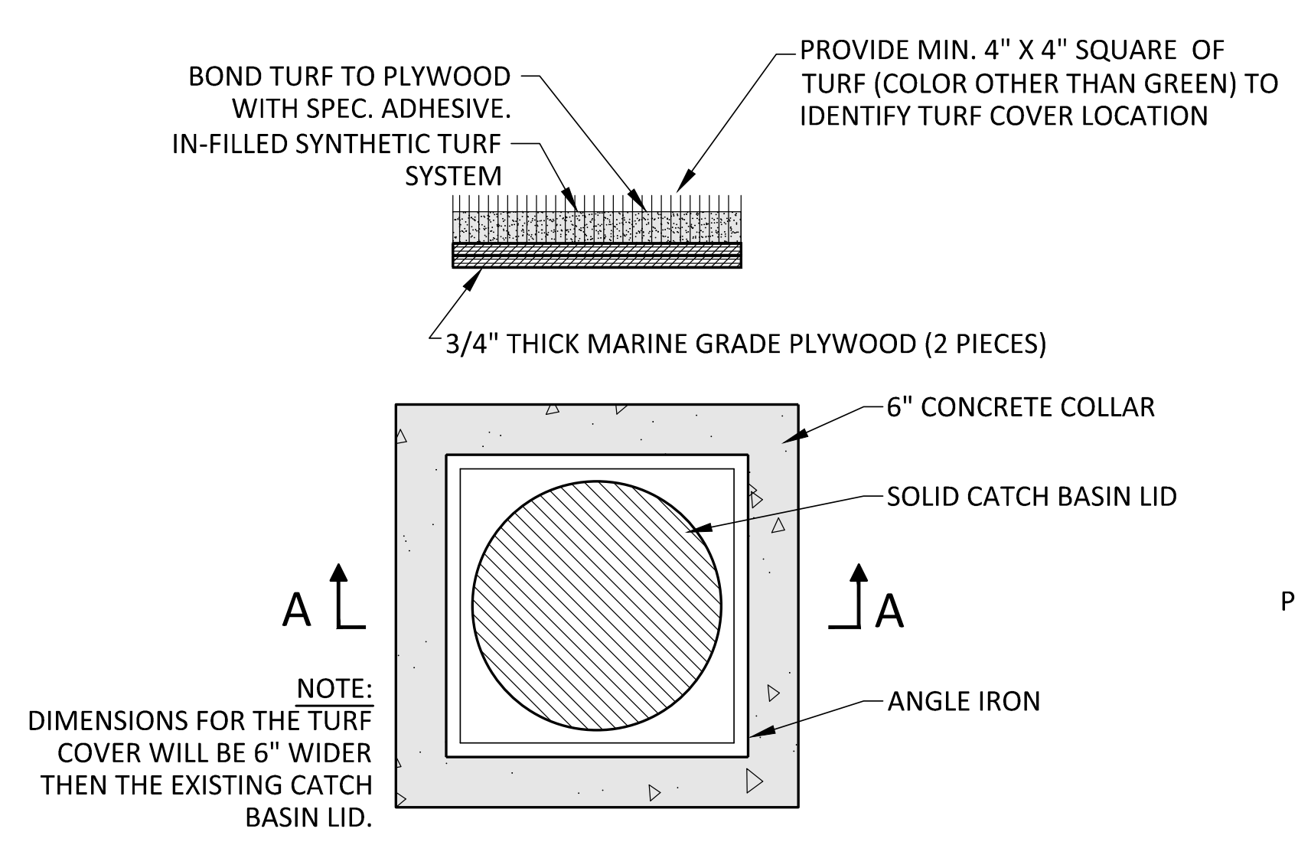
MINIMUM 6" THICK OF 1/2" CRUSHED ROCK MEETING THE PROVISIONS OF SECTION 200-1.2 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

CAST-IN-PLACE CONCRETE BASIN BOTTOM, 520-C-2500 MINIMUM STRENGTH.

1
F-221

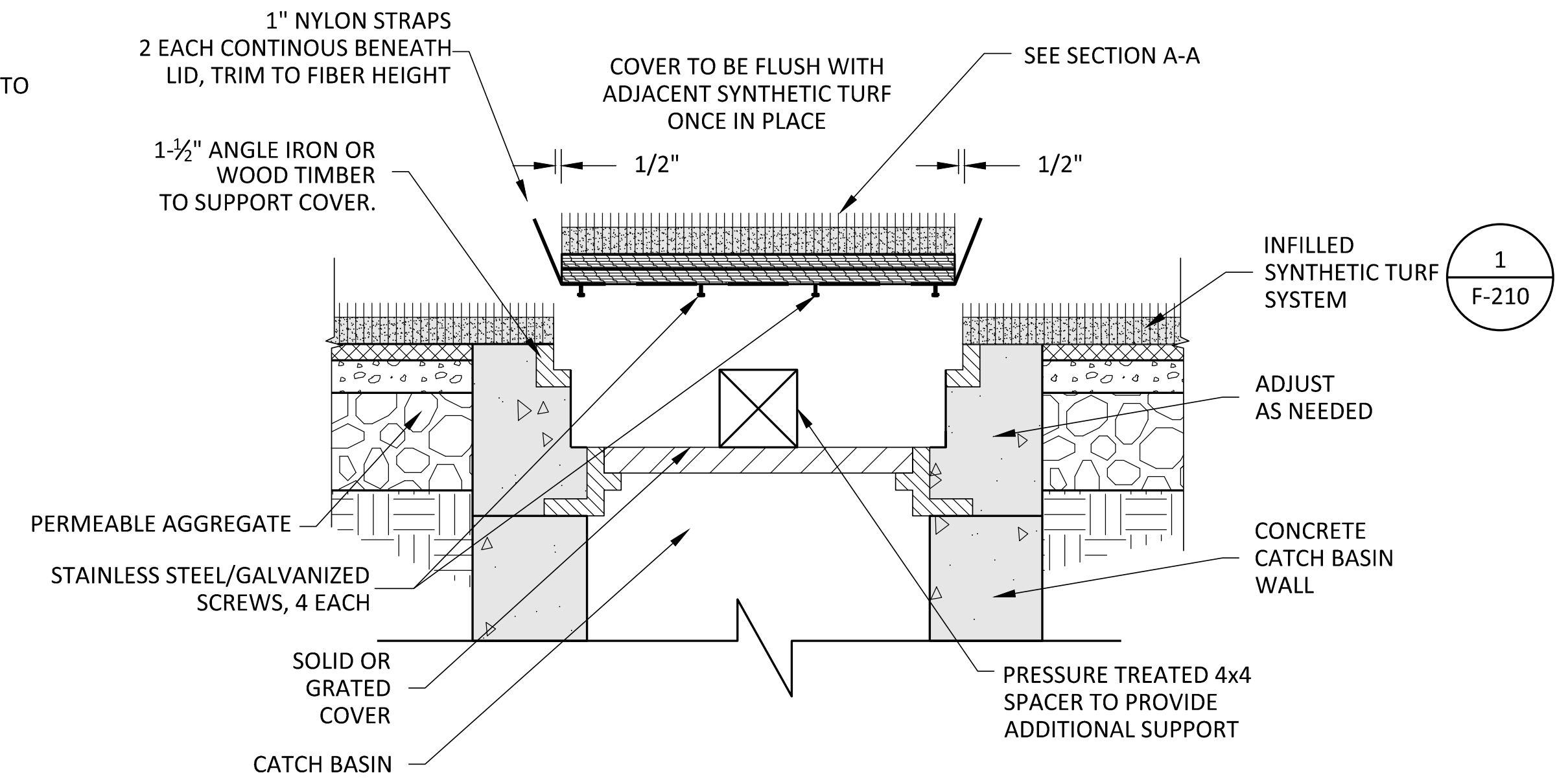
CATCH BASIN

NOT TO SCALE



BOND TURF TO PLYWOOD WITH SPEC. ADHESIVE.
IN-FILLED SYNTHETIC TURF SYSTEM
PROVIDE MIN. 4" X 4" SQUARE OF TURF (COLOR OTHER THAN GREEN) TO IDENTIFY TURF COVER LOCATION
3/4" THICK MARINE GRADE PLYWOOD (2 PIECES)
6" CONCRETE COLLAR
SOLID CATCH BASIN LID
A
A
ANGLE IRON

NOTE:
DIMENSIONS FOR THE TURF COVER WILL BE 6" WIDER THEN THE EXISTING CATCH BASIN LID.



1" NYLON STRAPS 2 EACH CONTINOUS BENEATH LID, TRIM TO FIBER HEIGHT
COVER TO BE FLUSH WITH ADJACENT SYNTHETIC TURF ONCE IN PLACE
SEE SECTION A-A
1-½" ANGLE IRON OR WOOD TIMBER TO SUPPORT COVER.
1/2"
1/2"
INFILLED SYNTHETIC TURF SYSTEM
1
F-210
ADJUST AS NEEDED
PERMEABLE AGGREGATE
STAINLESS STEEL/GALVANIZED SCREWS, 4 EACH
CONCRETE CATCH BASIN WALL
SOLID OR GRATED COVER
PRESSURE TREATED 4x4 SPACER TO PROVIDE ADDITIONAL SUPPORT
CATCH BASIN

2
F-221

CATCH BASIN SYNTHETIC TURF COVER

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

SHEET TITLE

FIELD & TRACK
DRAINAGE
DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-221

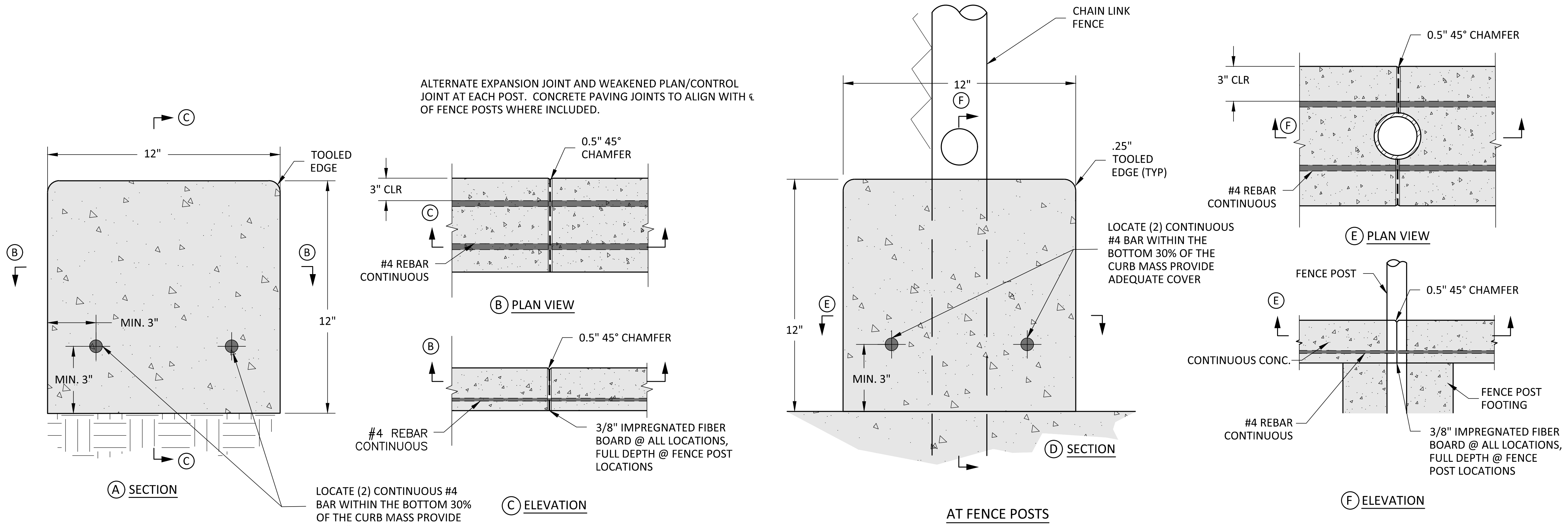
T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

1
F-230
NOT USED
NOT TO SCALE

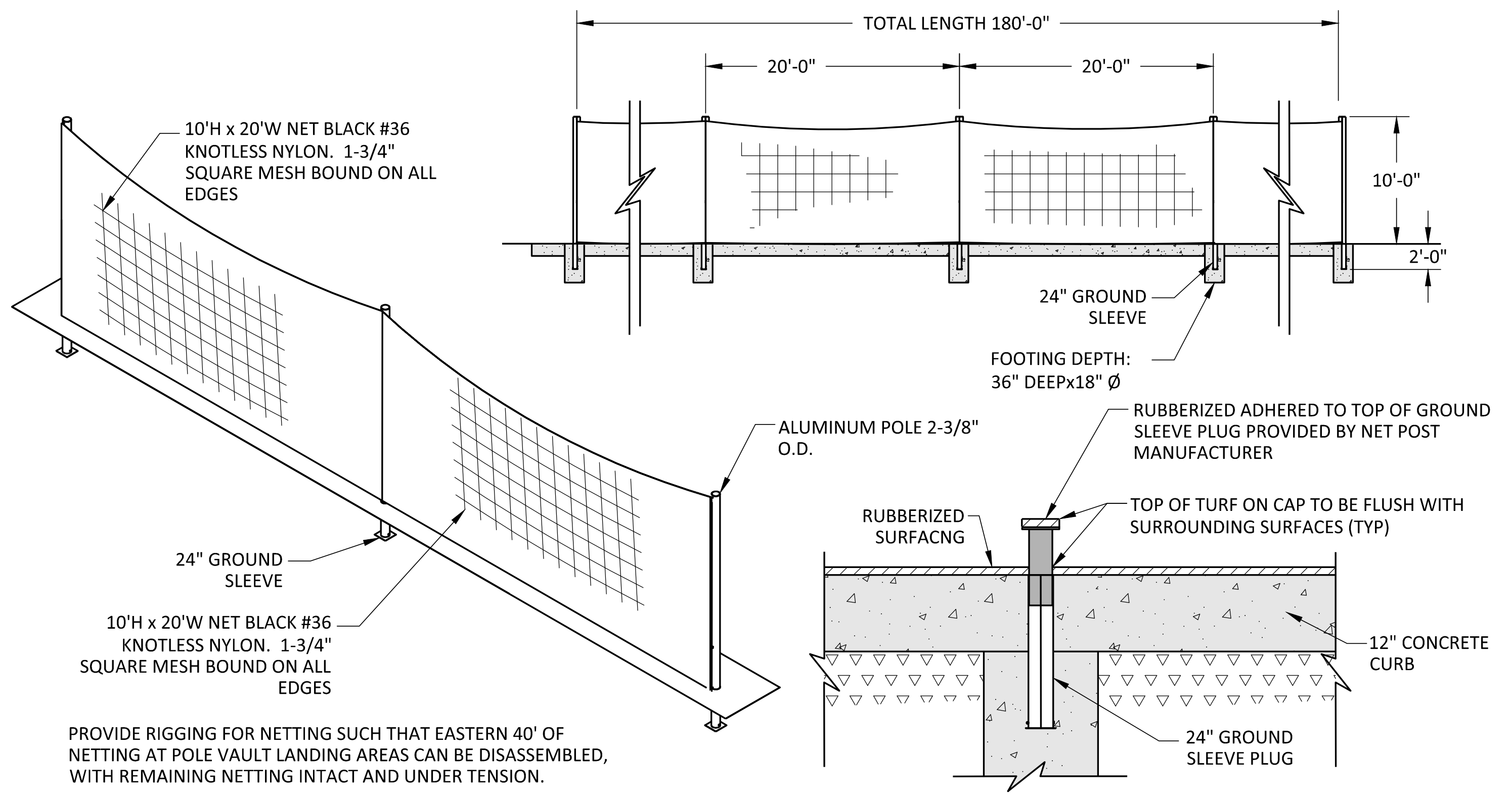
4
F-230
NOT USED
NOT TO SCALE

2
F-230
NOT USED
NOT TO SCALE

5
F-230
NOT USED
NOT TO SCALE


C
12"
TOOLED EDGE
B
B
12"
MIN. 3"
MIN. 3"
C
A SECTION
LOCATE (2) CONTINUOUS #4 BAR WITHIN THE BOTTOM 30% OF THE CURB MASS PROVIDE MIN 3" COVER
ALTERNATE EXPANSION JOINT AND WEAKENED PLAN/CONTROL JOINT AT EACH POST. CONCRETE PAVING JOINTS TO ALIGN WITH ℄ OF FENCE POSTS WHERE INCLUDED.
0.5" 45° CHAMFER
3" CLR
C
#4 REBAR CONTINUOUS
B PLAN VIEW
B
0.5" 45° CHAMFER
#4 REBAR CONTINUOUS
3/8" IMPREGNATED FIBER BOARD @ ALL LOCATIONS, FULL DEPTH @ FENCE POST LOCATIONS
C ELEVATION
CHAIN LINK FENCE
12"
F
.25" TOOLED EDGE (TYP)
LOCATE (2) CONTINUOUS #4 BAR WITHIN THE BOTTOM 30% OF THE CURB MASS PROVIDE ADEQUATE COVER
E
12"
MIN. 3"
D SECTION
AT FENCE POSTS
0.5" 45° CHAMFER
3" CLR
F
#4 REBAR CONTINUOUS
E PLAN VIEW
FENCE POST
0.5" 45° CHAMFER
E
CONTINUOUS CONC.
FENCE POST FOOTING
#4 REBAR CONTINUOUS
3/8" IMPREGNATED FIBER BOARD @ ALL LOCATIONS, FULL DEPTH @ FENCE POST LOCATIONS
F ELEVATION

3
F-230
CONCRETE CURB & EXPANSION JOINT
NOT TO SCALE


TOTAL LENGTH 180'-0"
20'-0"
20'-0"
10'-0"
2'-0"
24" GROUND SLEEVE
FOOTING DEPTH: 36" DEEPx18" Ø
10'H x 20'W NET BLACK #36 KNOTLESS NYLON. 1-3/4" SQUARE MESH BOUND ON ALL EDGES
ALUMINUM POLE 2-3/8" O.D.
24" GROUND SLEEVE
10'H x 20'W NET BLACK #36 KNOTLESS NYLON. 1-3/4" SQUARE MESH BOUND ON ALL EDGES
RUBBERIZED ADHERED TO TOP OF GROUND SLEEVE PLUG PROVIDED BY NET POST MANUFACTURER
TOP OF TURF ON CAP TO BE FLUSH WITH SURROUNDING SURFACES (TYP)
RUBBERIZED SURFACNG
12" CONCRETE CURB
24" GROUND SLEEVE PLUG

PROVIDE RIGGING FOR NETTING SUCH THAT EASTERN 40' OF NETTING AT POLE VAULT LANDING AREAS CAN BE DISASSEMBLED, WITH REMAINING NETTING INTACT AND UNDER TENSION.

6
F-230
PORTABLE BALL CONTROL NETTING
NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD
REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

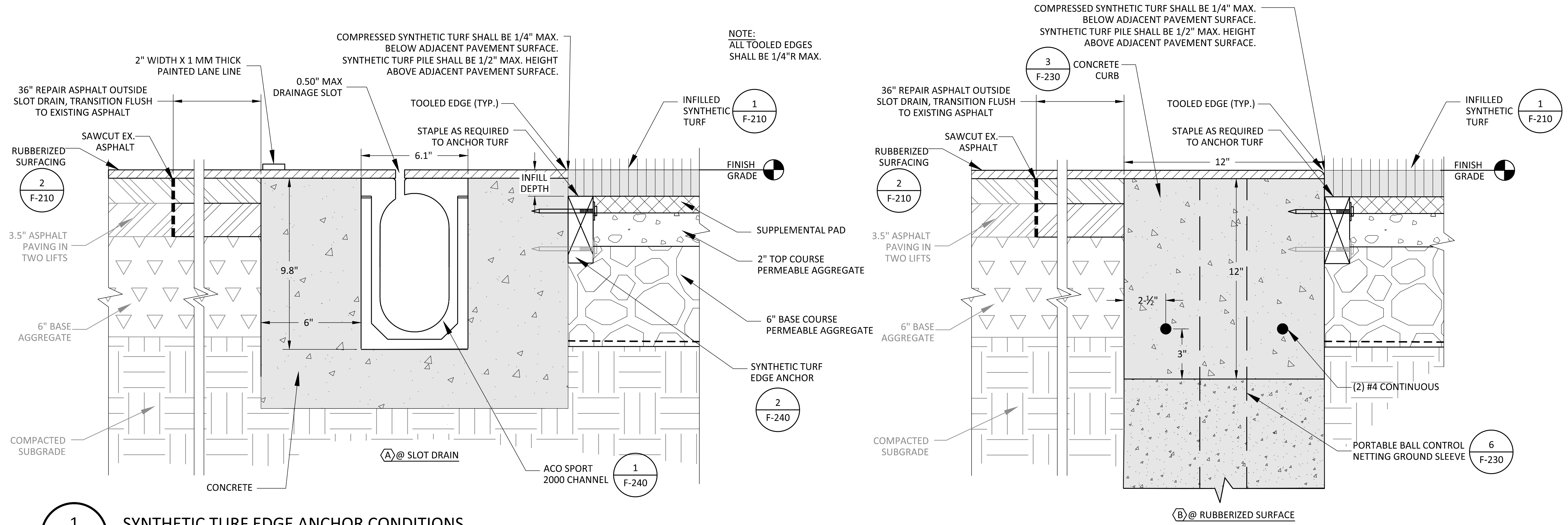
PLOT DATE:
10-30-23

SHEET TITLE

FIELD & TRACK
FENCING
DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

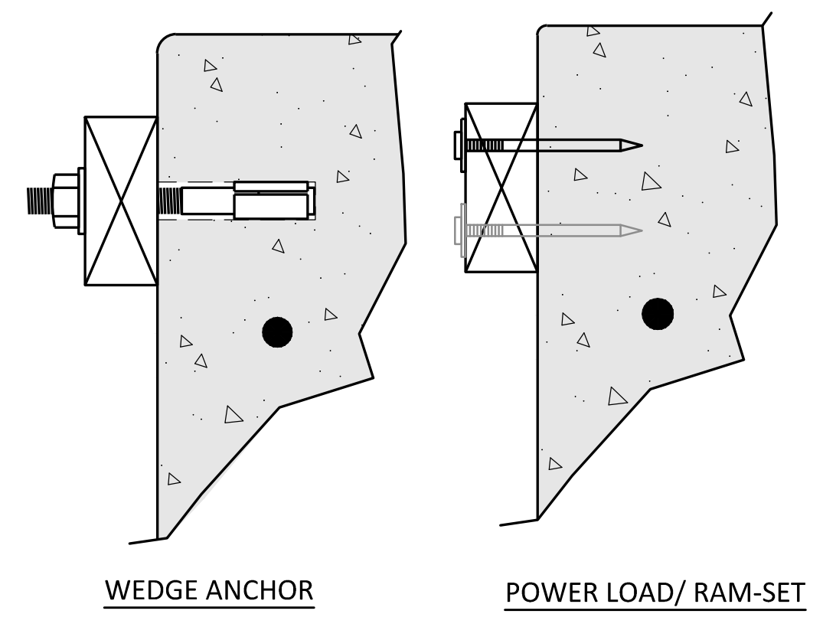
F-230


NOTE:
ALL TOOLED EDGES SHALL BE 1/4"R MAX.
COMPRESSED SYNTHETIC TURF SHALL BE 1/4" MAX. BELOW ADJACENT PAVEMENT SURFACE. SYNTHETIC TURF PILE SHALL BE 1/2" MAX. HEIGHT ABOVE ADJACENT PAVEMENT SURFACE.
2" WIDTH X 1 MM THICK PAINTED LANE LINE
0.50" MAX DRAINAGE SLOT
36" REPAIR ASPHALT OUTSIDE SLOT DRAIN, TRANSITION FLUSH TO EXISTING ASPHALT
SAWCUT EX. ASPHALT
RUBBERIZED SURFACING
2 F-210
3.5" ASPHALT PAVING IN TWO LIFTS
6" BASE AGGREGATE
COMPACTED SUBGRADE
CONCRETE
6.1"
9.8"
6"
TOOLED EDGE (TYP.)
STAPLE AS REQUIRED TO ANCHOR TURF
INFILL DEPTH
INFILLED SYNTHETIC TURF
1 F-210
FINISH GRADE
SUPPLEMENTAL PAD
2" TOP COURSE PERMEABLE AGGREGATE
6" BASE COURSE PERMEABLE AGGREGATE
SYNTHETIC TURF EDGE ANCHOR
2 F-240
ACO SPORT 2000 CHANNEL
1 F-240
A @ SLOT DRAIN
3 F-230
CONCRETE CURB
12"
12"
2-½"
3"
(2) #4 CONTINUOUS
PORTABLE BALL CONTROL NETTING GROUND SLEEVE
6 F-230
B @ RUBBERIZED SURFACE

1
F-240

SYNTHETIC TURF EDGE ANCHOR CONDITIONS

NOT TO SCALE



NOTES:

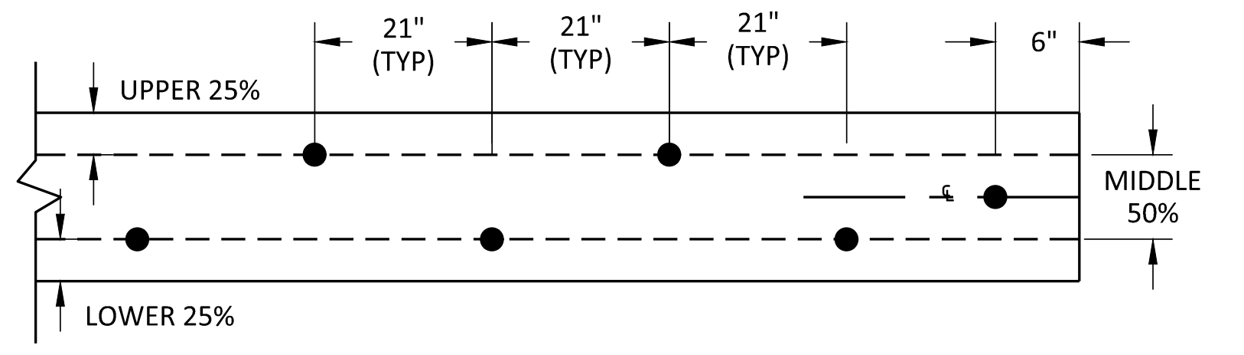
1. THE PLASTIC EDGE ANCHOR MAY BE TEMPORARILY SET WITH POWER-LOADS PLACED AT THE CONTRACTORS OPTION TO ASSIST IN ESTABLISHING THE PROPER LINE AND GRADE. THIS TEMPORARY HARDWARE MAY REMAIN AFTER FINAL INSTALLATION.

2. THE CONTRACTOR MAY CHOOSE TO UTILIZE STEEL POWER-LOAD DRIVEN OR RAM-SET CONCRETE ANCHOR NAILS, MINIMUM SHANK DIAMETER 5/32", MINIMUM HEAD/WASHER DIAMETER 3/8", SUFFICIENT LENGTH TO INSURE A MINIMUM 2" EMBEDMENT. INDIVIDUAL ANCHORS SHALL DEVELOP A MINIMUM 450LB SHEAR, 350LB TENSION IN 4,000PSI CONCRETE AT 2" EMBEDMENT.

3. ONCE INITIAL LINE AND GRADE HAS BEEN ESTABLISHED, INSTALL THE SPECIFIED RAM-SET OR POWER-LOAD DRIVEN CONCRETE ANCHORING NAILS IN MANNER CONSISTENT WITH THE APPROVED MANUFACTURERS PRINTED INSTRUCTION AND THE SPECIFIED SPACING.

4. WEDGE ANCHOR TO BE SET AT MIDDLE 50% OF EACH BOARD. 30" O.C. MAX., 4-6" FROM ENDS.

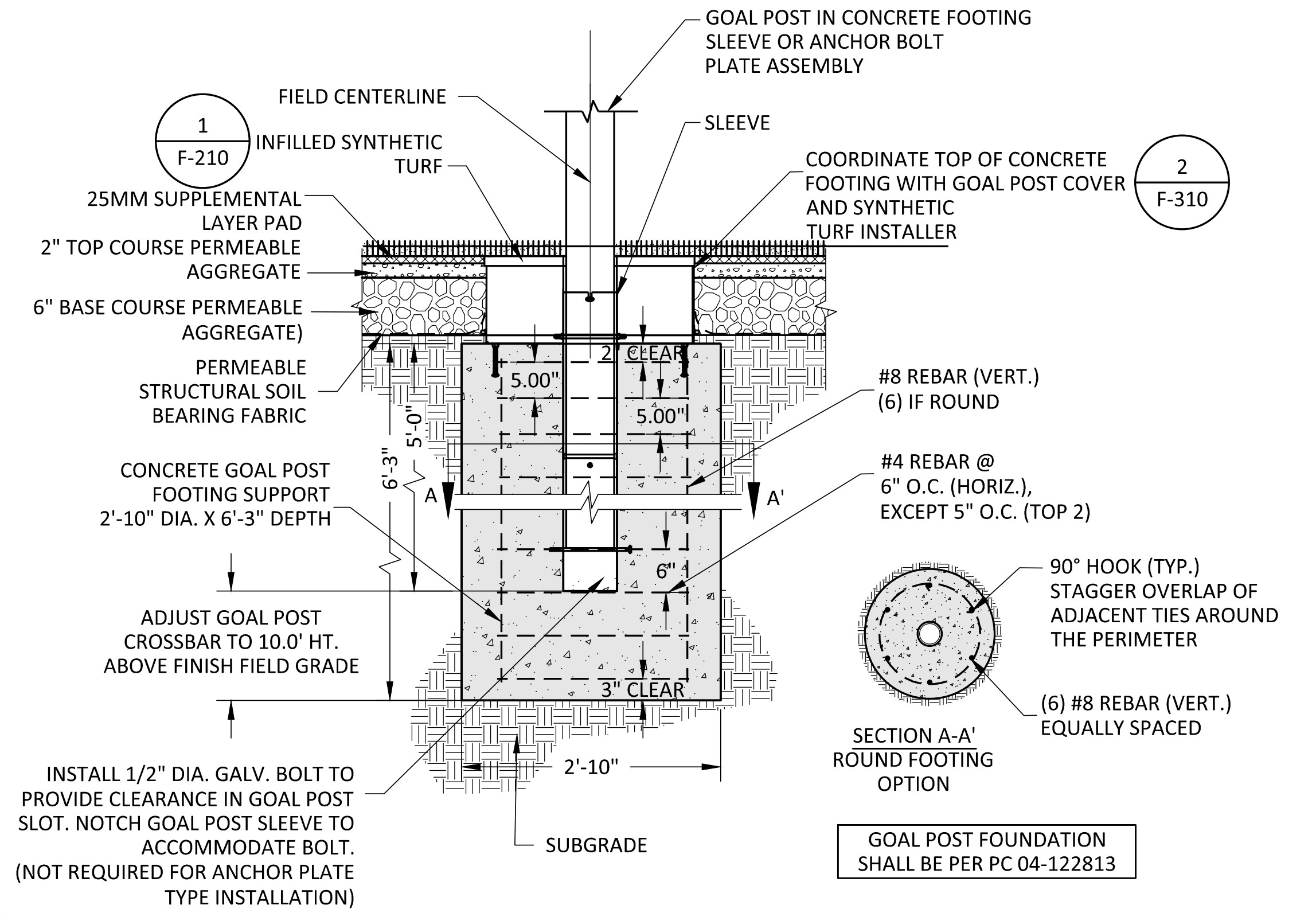
5. MINIMUM REQUIREMENTS FOR CONCRETE ANCHOR NAIL INSTALLATION DEPTH OF EMBEDMENT: 2" OR AS RECOMMENDED BY THE ANCHOR SUPPLIER, WHICHEVER IS GREATER. HORIZONTAL SPACING: NO GREATER THAN 21" ON CENTER AND 6" FROM END OF ANY LENGTH OF LUMBER. STAGGER THE SPACING OF EACH ANCHOR UP AND DOWN WITHIN THE MIDDLE ONE-HALF THE FACE OF THE RECYCLED EDGE ANCHOR.



2
F-240

SYNTHETIC TURF EDGE ANCHOR NOTE

NOT TO SCALE

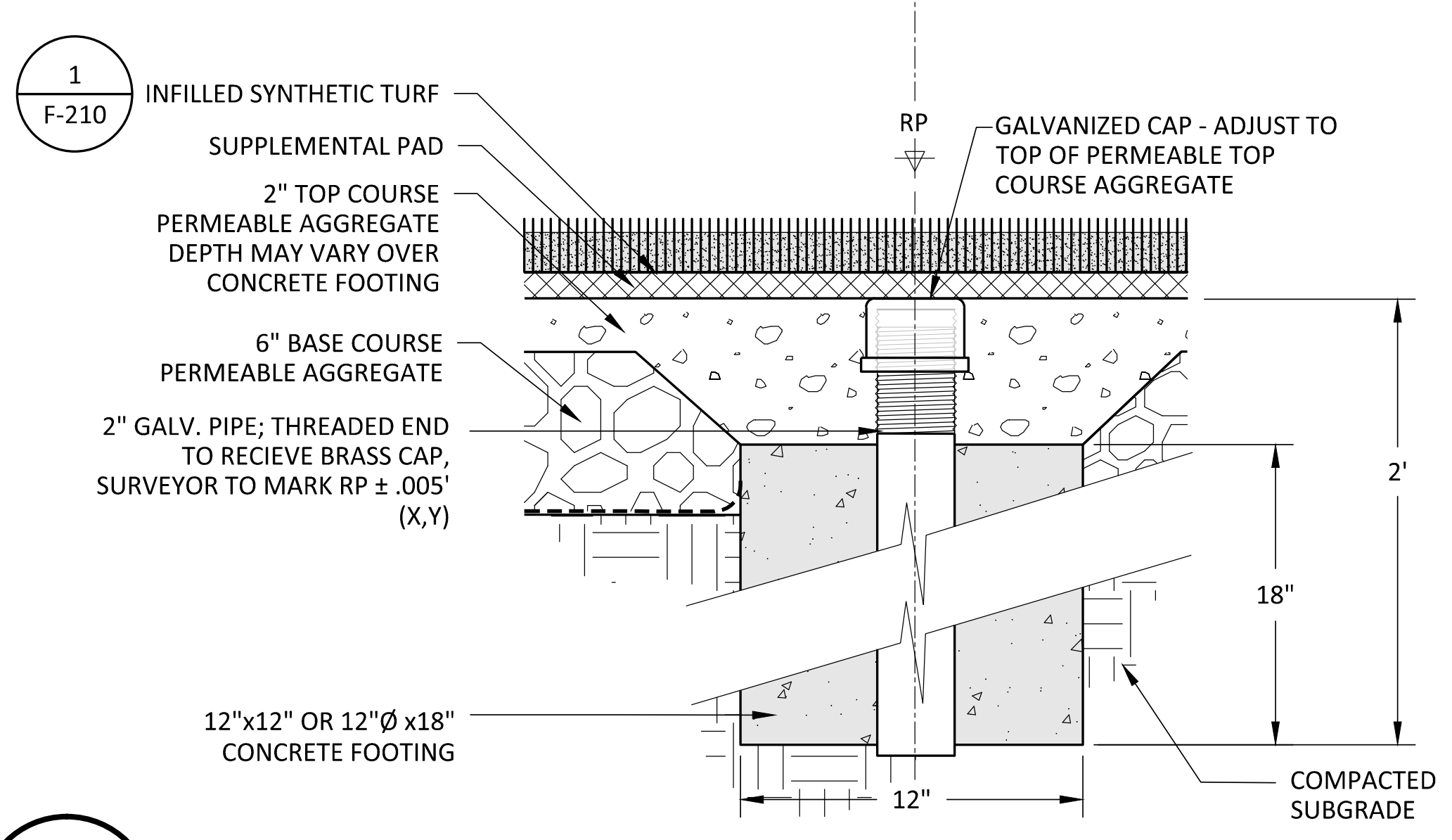

GOAL POST IN CONCRETE FOOTING SLEEVE OR ANCHOR BOLT PLATE ASSEMBLY
FIELD CENTERLINE
SLEEVE
1 F-210
INFILLED SYNTHETIC TURF
25MM SUPPLEMENTAL LAYER PAD
2" TOP COURSE PERMEABLE AGGREGATE
6" BASE COURSE PERMEABLE AGGREGATE)
PERMEABLE STRUCTURAL SOIL BEARING FABRIC
COORDINATE TOP OF CONCRETE FOOTING WITH GOAL POST COVER AND SYNTHETIC TURF INSTALLER
2 F-310
2" CLEAR
5.00"
5.00"
5'-0"
6'-3"
A
A'
6"
3" CLEAR
2'-10"
#8 REBAR (VERT.) (6) IF ROUND
#4 REBAR @ 6" O.C. (HORIZ.), EXCEPT 5" O.C. (TOP 2)
CONCRETE GOAL POST FOOTING SUPPORT 2'-10" DIA. X 6'-3" DEPTH
ADJUST GOAL POST CROSSBAR TO 10.0' HT. ABOVE FINISH FIELD GRADE
INSTALL 1/2" DIA. GALV. BOLT TO PROVIDE CLEARANCE IN GOAL POST SLOT. NOTCH GOAL POST SLEEVE TO ACCOMMODATE BOLT. (NOT REQUIRED FOR ANCHOR PLATE TYPE INSTALLATION)
SUBGRADE
90° HOOK (TYP.) STAGGER OVERLAP OF ADJACENT TIES AROUND THE PERIMETER
(6) #8 REBAR (VERT.) EQUALLY SPACED
SECTION A-A' ROUND FOOTING OPTION

GOAL POST FOUNDATION SHALL BE PER PC 04-122813

5
F-240

FOOTBALL GOAL POST FOOTING

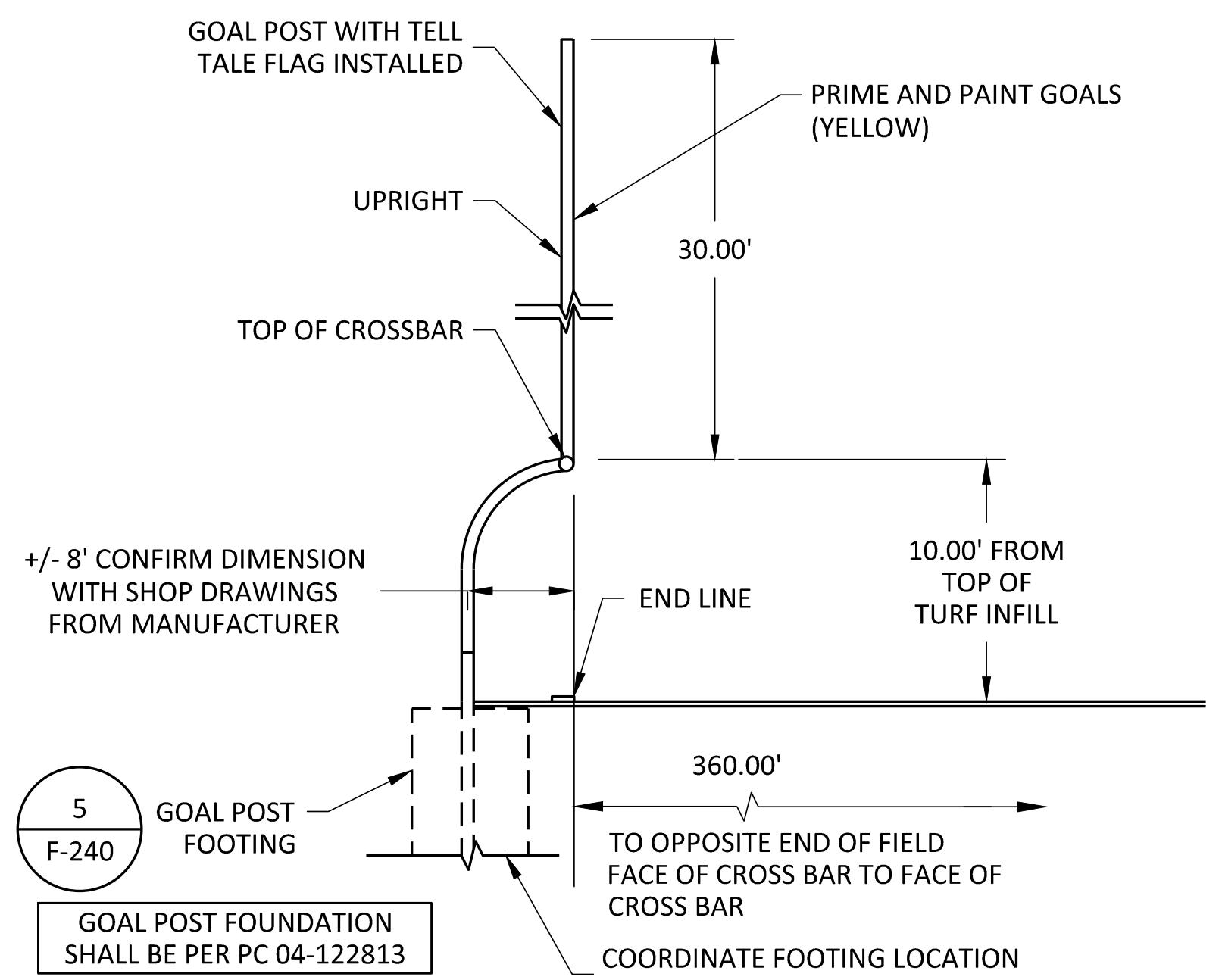
NOT TO SCALE


1 F-210
INFILLED SYNTHETIC TURF
SUPPLEMENTAL PAD
2" TOP COURSE PERMEABLE AGGREGATE DEPTH MAY VARY OVER CONCRETE FOOTING
6" BASE COURSE PERMEABLE AGGREGATE
2" GALV. PIPE; THREADED END TO RECIEVE BRASS CAP, SURVEYOR TO MARK RP ± .005' (X,Y)
RP
GALVANIZED CAP - ADJUST TO TOP OF PERMEABLE TOP COURSE AGGREGATE
2'
18"
12"x12" OR 12"Ø x18" CONCRETE FOOTING
12"
COMPACTED SUBGRADE

3
F-240

RADIUS POINT MONUMENT

NOT TO SCALE

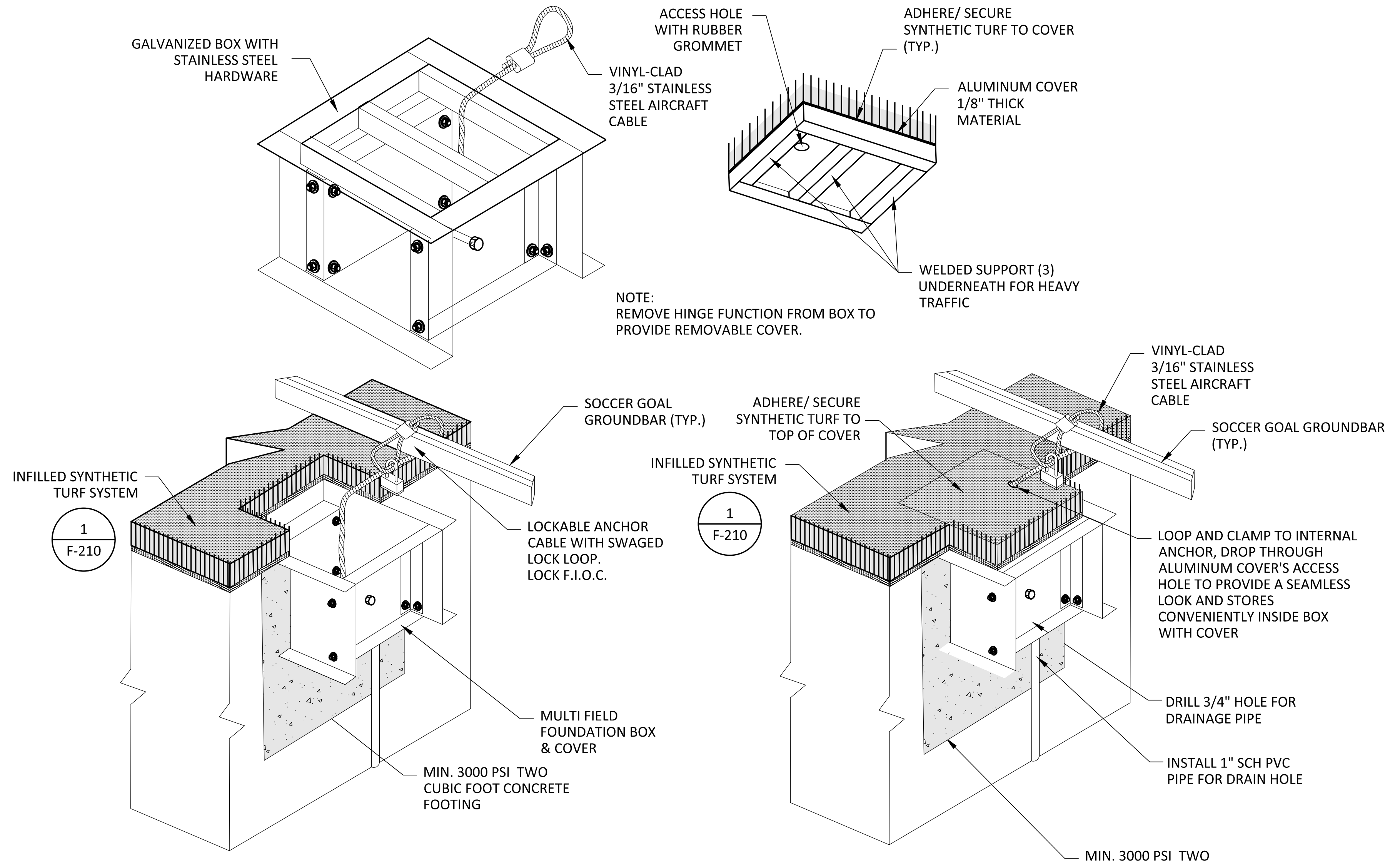

GOAL POST WITH TELL TALE FLAG INSTALLED
PRIME AND PAINT GOALS (YELLOW)
UPRIGHT
30.00'
TOP OF CROSSBAR
+/- 8' CONFIRM DIMENSION WITH SHOP DRAWINGS FROM MANUFACTURER
END LINE
10.00' FROM TOP OF TURF INFILL
5 F-240
GOAL POST FOOTING
360.00'
TO OPPOSITE END OF FIELD FACE OF CROSS BAR TO FACE OF CROSS BAR
COORDINATE FOOTING LOCATION WITH GOAL OFFSET DIMENSION

GOAL POST FOUNDATION SHALL BE PER PC 04-122813

4
F-240

FOOTBALL GOAL POST

NOT TO SCALE


GALVANIZED BOX WITH STAINLESS STEEL HARDWARE
VINYL-CLAD 3/16" STAINLESS STEEL AIRCRAFT CABLE
ACCESS HOLE WITH RUBBER GROMMET
ADHERE/ SECURE SYNTHETIC TURF TO COVER (TYP.)
ALUMINUM COVER 1/8" THICK MATERIAL
WELDED SUPPORT (3) UNDERNEATH FOR HEAVY TRAFFIC
INFILLED SYNTHETIC TURF SYSTEM
1 F-210
SOCCER GOAL GROUNDBAR (TYP.)
LOCKABLE ANCHOR CABLE WITH SWAGED LOCK LOOP. LOCK F.I.O.C.
MULTI FIELD FOUNDATION BOX & COVER
MIN. 3000 PSI TWO CUBIC FOOT CONCRETE FOOTING
ADHERE/ SECURE SYNTHETIC TURF TO TOP OF COVER
INFILLED SYNTHETIC TURF SYSTEM
1 F-210
VINYL-CLAD 3/16" STAINLESS STEEL AIRCRAFT CABLE
SOCCER GOAL GROUNDBAR (TYP.)
LOOP AND CLAMP TO INTERNAL ANCHOR, DROP THROUGH ALUMINUM COVER'S ACCESS HOLE TO PROVIDE A SEAMLESS LOOK AND STORES CONVENIENTLY INSIDE BOX WITH COVER
DRILL 3/4" HOLE FOR DRAINAGE PIPE
INSTALL 1" SCH PVC PIPE FOR DRAIN HOLE
MIN. 3000 PSI TWO CUBIC FOOT CONCRETE FOOTING

NOTE:
REMOVE HINGE FUNCTION FROM BOX TO PROVIDE REMOVABLE COVER.

6
F-240

SOCCER GOAL ANCHOR

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

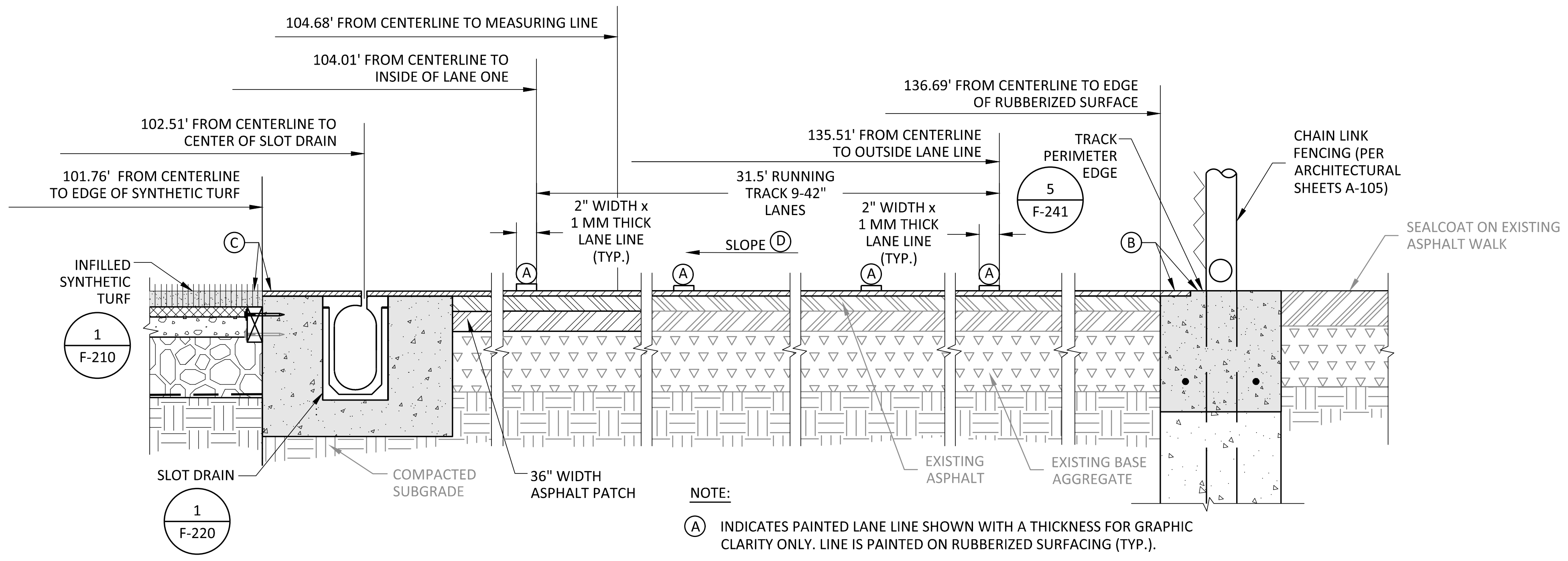
SHEET TITLE

FIELD & TRACK
DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-240

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln


104.68' FROM CENTERLINE TO MEASURING LINE
104.01' FROM CENTERLINE TO INSIDE OF LANE ONE
102.51' FROM CENTERLINE TO CENTER OF SLOT DRAIN
101.76' FROM CENTERLINE TO EDGE OF SYNTHETIC TURF
136.69' FROM CENTERLINE TO EDGE OF RUBBERIZED SURFACE
135.51' FROM CENTERLINE TO OUTSIDE LANE LINE
31.5' RUNNING TRACK 9-42" LANES
2" WIDTH x 1 MM THICK LANE LINE (TYP.)
2" WIDTH x 1 MM THICK LANE LINE (TYP.)
SLOPE D
TRACK PERIMETER EDGE
5 F-241
CHAIN LINK FENCING (PER ARCHITECTURAL SHEETS A-105)
SEALCOAT ON EXISTING ASPHALT WALK
C
B
A
INFILLED SYNTHETIC TURF
1 F-210
SLOT DRAIN
1 F-220
COMPACTED SUBGRADE
36" WIDTH ASPHALT PATCH
EXISTING ASPHALT
EXISTING BASE AGGREGATE

NOTE:

Ⓐ INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING (TYP.).

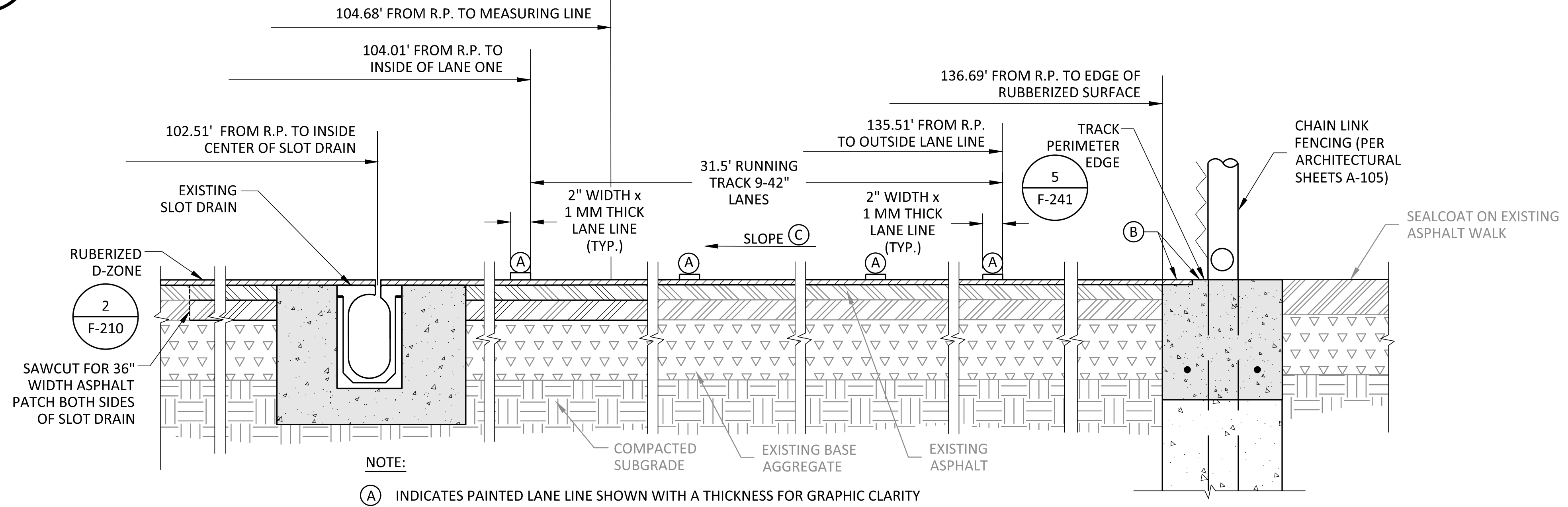
Ⓑ TOP OF RUBBERIZED SURFACING TO BE FLUSH WITH CONCRETE CURB SURFACE AT OUTSIDE EDGE/ PERIMETER OF RUBBERIZED TRACK.

Ⓒ TOP OF INFILL TO BE FLUSH WITH TOP OF RUBBERIZED SURFACING.

Ⓓ VERIFY AND MATCH EXISTING ASPHALT TRACK SLOPE, ±0.80% CROSS SLOPE.

1 F-241 TRACK SECTION NORTH

NOT TO SCALE


104.68' FROM R.P. TO MEASURING LINE
104.01' FROM R.P. TO INSIDE OF LANE ONE
102.51' FROM R.P. TO INSIDE CENTER OF SLOT DRAIN
136.69' FROM R.P. TO EDGE OF RUBBERIZED SURFACE
135.51' FROM R.P. TO OUTSIDE LANE LINE
31.5' RUNNING TRACK 9-42" LANES
2" WIDTH x 1 MM THICK LANE LINE (TYP.)
2" WIDTH x 1 MM THICK LANE LINE (TYP.)
SLOPE C
TRACK PERIMETER EDGE
5 F-241
CHAIN LINK FENCING (PER ARCHITECTURAL SHEETS A-105)
SEALCOAT ON EXISTING ASPHALT WALK
B
A
EXISTING SLOT DRAIN
RUBERIZED D-ZONE
2 F-210
SAWCUT FOR 36" WIDTH ASPHALT PATCH BOTH SIDES OF SLOT DRAIN
COMPACTED SUBGRADE
EXISTING BASE AGGREGATE
EXISTING ASPHALT

NOTE:

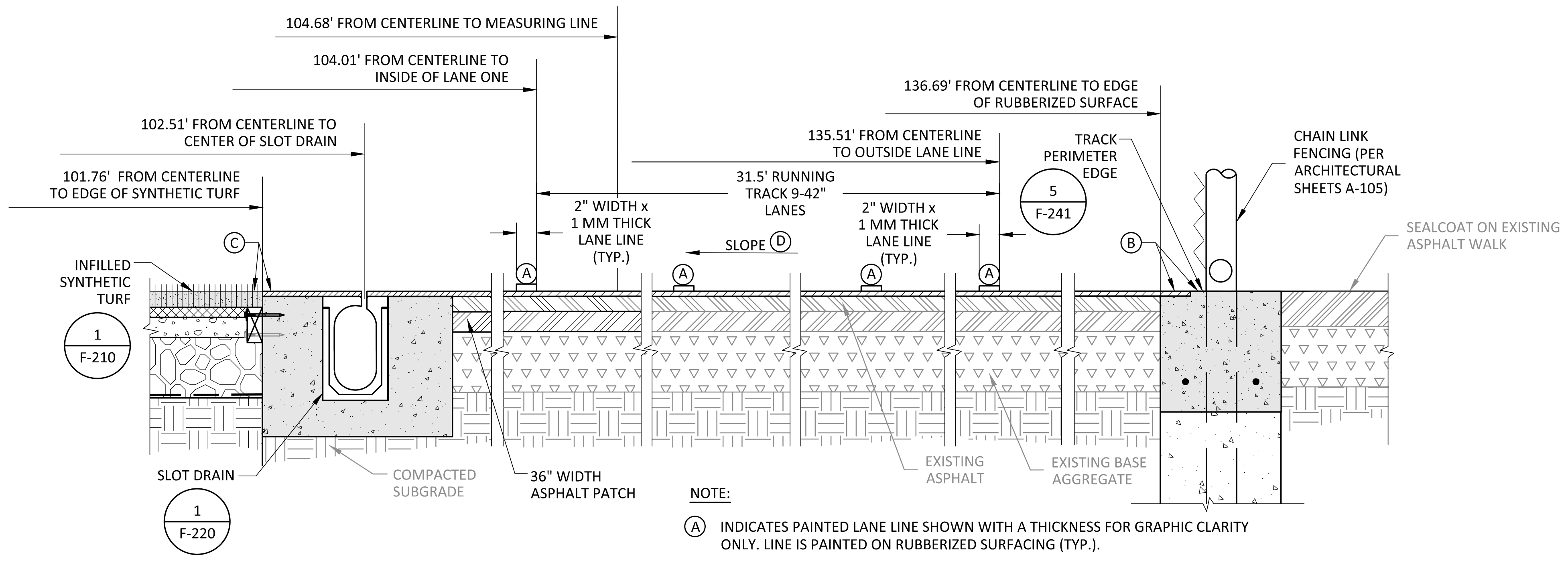
Ⓐ INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING (TYP.).

Ⓑ TOP OF RUBBERIZED SURFACING TO BE FLUSH WITH CONCRETE CURB SURFACE AT OUTSIDE EDGE/ PERIMETER OF RUBBERIZED TRACK.

Ⓒ VERIFY AND MATCH EXISTING ASPHALT TRACK SLOPE, ±0.80% CROSS SLOPE.

2 F-241 TRACK SECTION EAST

NOT TO SCALE


104.68' FROM CENTERLINE TO MEASURING LINE
104.01' FROM CENTERLINE TO INSIDE OF LANE ONE
102.51' FROM CENTERLINE TO CENTER OF SLOT DRAIN
101.76' FROM CENTERLINE TO EDGE OF SYNTHETIC TURF
136.69' FROM CENTERLINE TO EDGE OF RUBBERIZED SURFACE
135.51' FROM CENTERLINE TO OUTSIDE LANE LINE
31.5' RUNNING TRACK 9-42" LANES
2" WIDTH x 1 MM THICK LANE LINE (TYP.)
2" WIDTH x 1 MM THICK LANE LINE (TYP.)
SLOPE D
TRACK PERIMETER EDGE
5 F-241
CHAIN LINK FENCING (PER ARCHITECTURAL SHEETS A-105)
SEALCOAT ON EXISTING ASPHALT WALK
C
B
A
INFILLED SYNTHETIC TURF
1 F-210
SLOT DRAIN
1 F-220
COMPACTED SUBGRADE
36" WIDTH ASPHALT PATCH
EXISTING ASPHALT
EXISTING BASE AGGREGATE

NOTE:

Ⓐ INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING (TYP.).

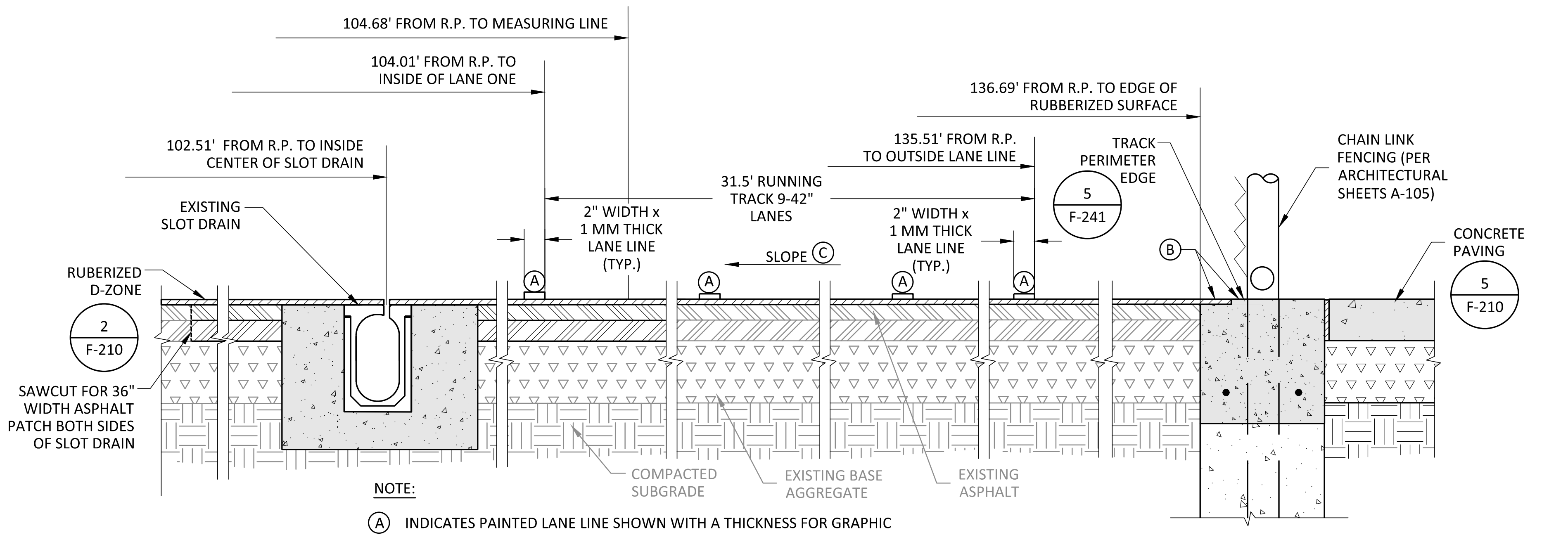
Ⓑ TOP OF RUBBERIZED SURFACING TO BE FLUSH WITH CONCRETE CURB SURFACE AT OUTSIDE EDGE/ PERIMETER OF RUBBERIZED TRACK.

Ⓒ TOP OF INFILL TO BE FLUSH WITH TOP OF RUBBERIZED SURFACING.

Ⓓ VERIFY AND MATCH EXISTING ASPHALT TRACK SLOPE, ±0.80% CROSS SLOPE.

3 F-241 TRACK SECTION SOUTH

NOT TO SCALE


104.68' FROM R.P. TO MEASURING LINE
104.01' FROM R.P. TO INSIDE OF LANE ONE
102.51' FROM R.P. TO INSIDE CENTER OF SLOT DRAIN
136.69' FROM R.P. TO EDGE OF RUBBERIZED SURFACE
135.51' FROM R.P. TO OUTSIDE LANE LINE
31.5' RUNNING TRACK 9-42" LANES
2" WIDTH x 1 MM THICK LANE LINE (TYP.)
2" WIDTH x 1 MM THICK LANE LINE (TYP.)
SLOPE C
TRACK PERIMETER EDGE
5 F-241
CHAIN LINK FENCING (PER ARCHITECTURAL SHEETS A-105)
CONCRETE PAVING
5 F-210
B
A
EXISTING SLOT DRAIN
RUBERIZED D-ZONE
2 F-210
SAWCUT FOR 36" WIDTH ASPHALT PATCH BOTH SIDES OF SLOT DRAIN
COMPACTED SUBGRADE
EXISTING BASE AGGREGATE
EXISTING ASPHALT

NOTE:

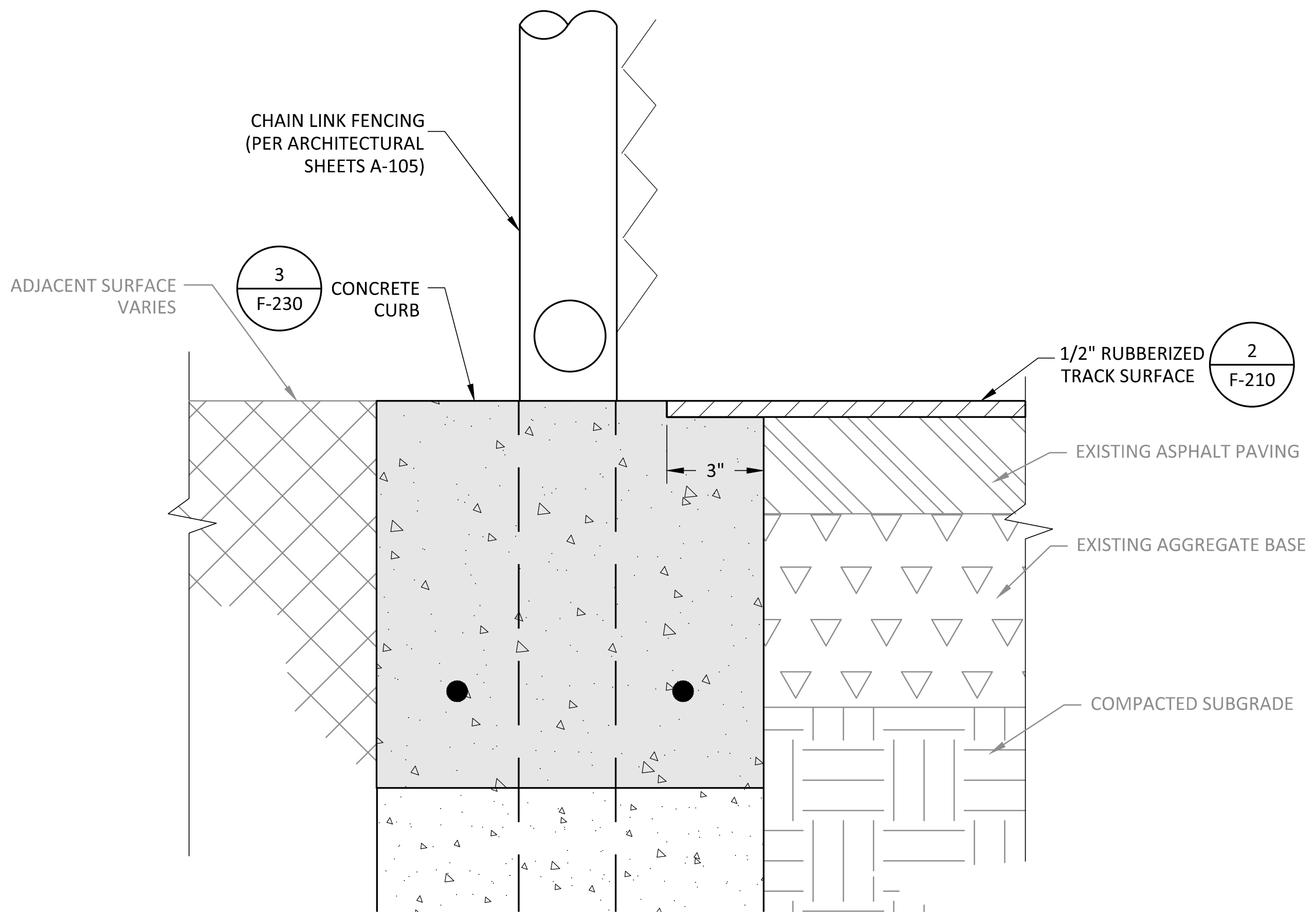
Ⓐ INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING (TYP.).

Ⓑ TOP OF RUBBERIZED SURFACING TO BE FLUSH WITH CONCRETE CURB SURFACE AT OUTSIDE EDGE/ PERIMETER OF RUBBERIZED TRACK.

Ⓒ VERIFY AND MATCH EXISTING ASPHALT TRACK SLOPE, ±0.80% CROSS SLOPE.

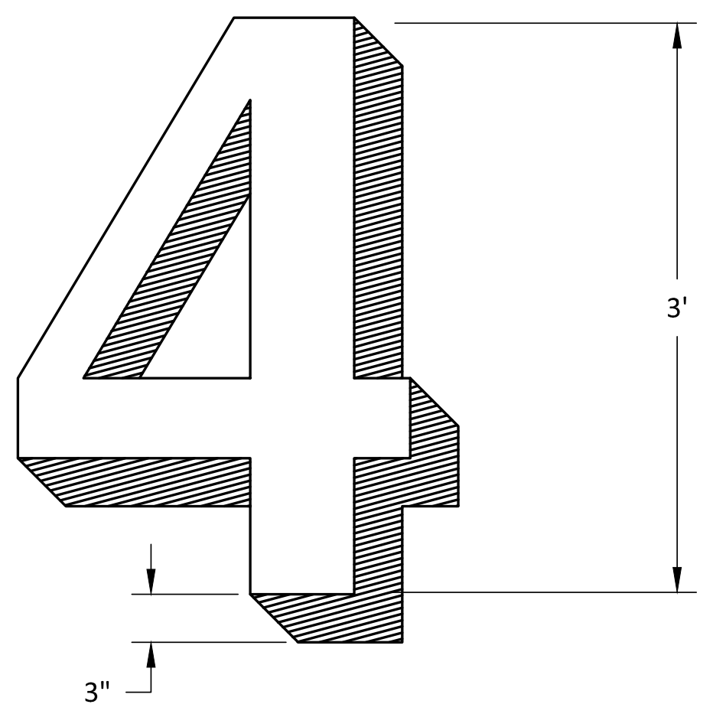
4 F-241 TRACK SECTION WEST

NOT TO SCALE



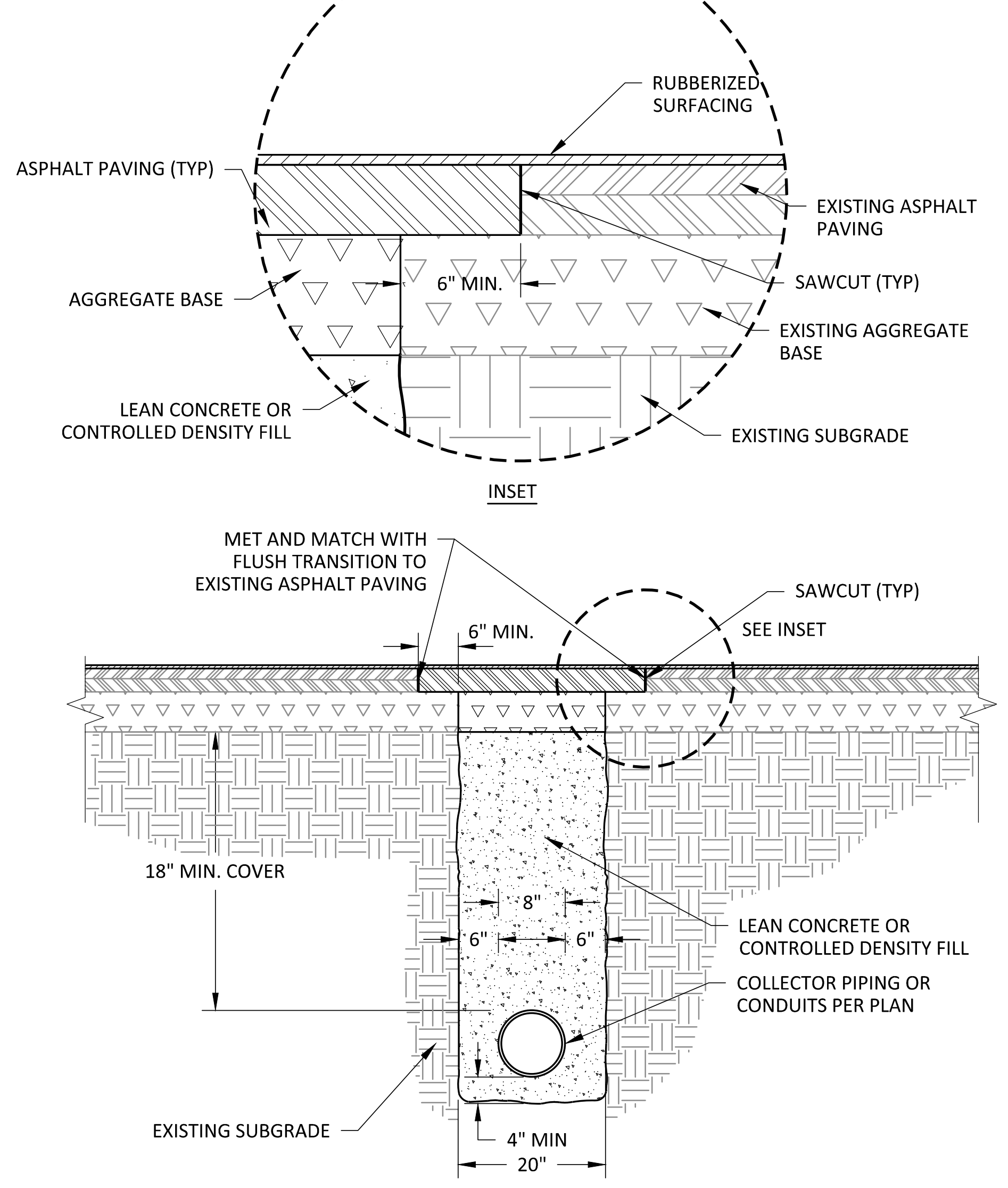
5 F-241 PERIMETER TRACK EDGE

NOT TO SCALE



6 F-241 TYPICAL TRACK NUMBER

NOT TO SCALE



7 F-241 TRENCH CROSSING AT TRACK

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

EXCELLENCE INNOVATION
VISTA UNIFIED SCHOOL DISTRICT

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

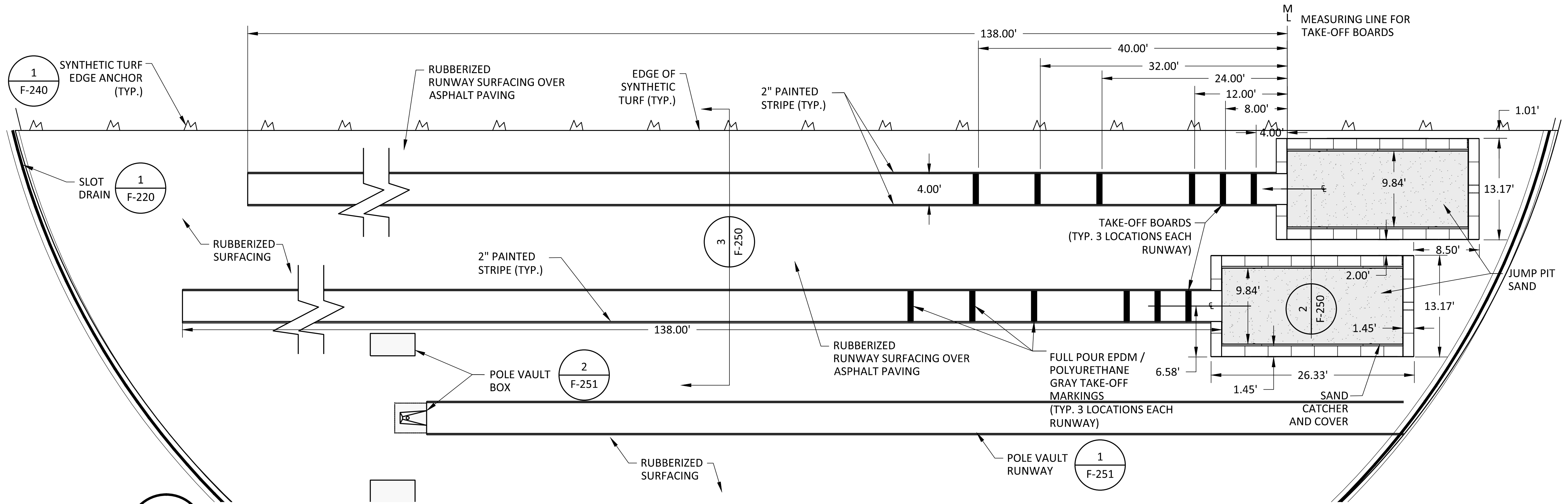
SHEET TITLE

FIELD & TRACK DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

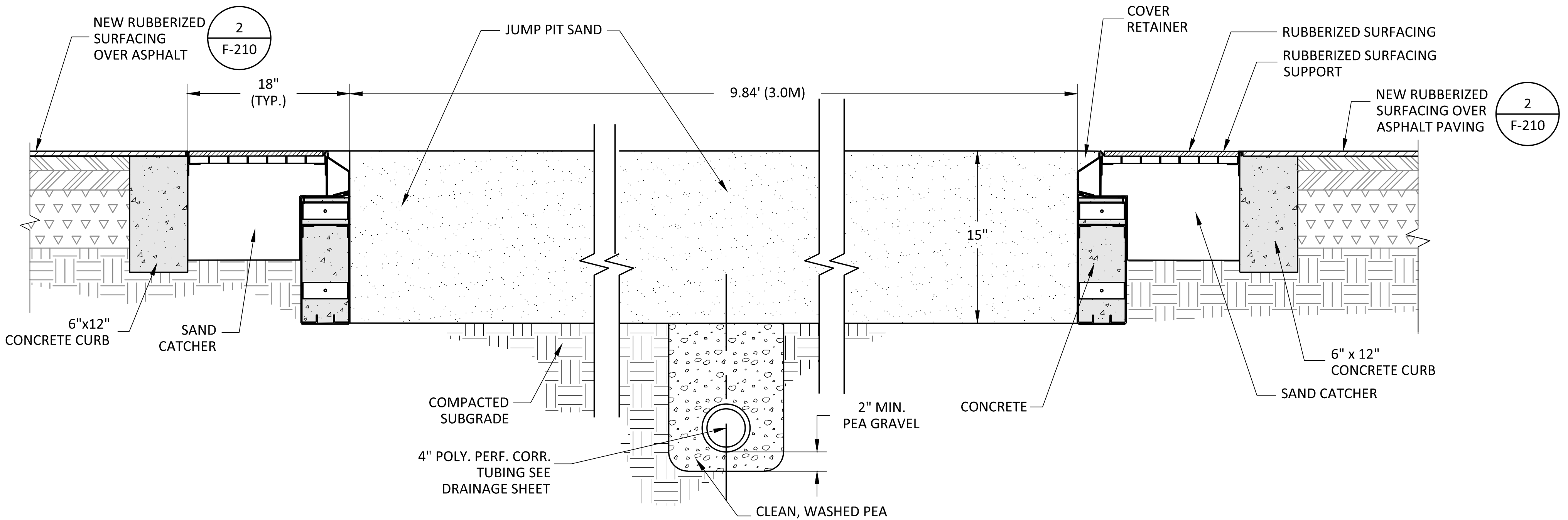
F-241

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln



1 F-250 DUAL LONG JUMP - TRIPLE JUMP PLAN VIEW

NOT TO SCALE

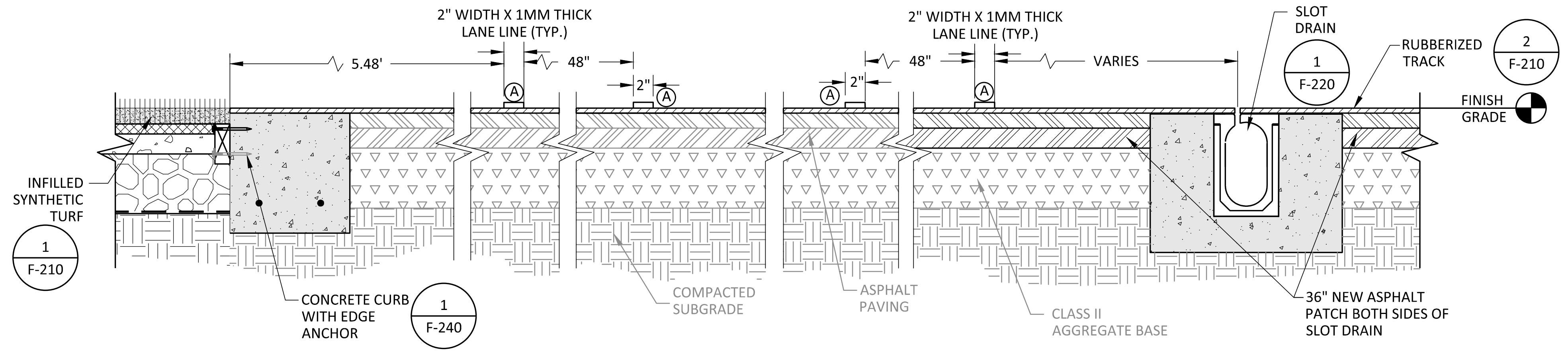

NEW RUBBERIZED SURFACING OVER ASPHALT
2 F-210
18" (TYP.)
JUMP PIT SAND
9.84' (3.0M)
COVER RETAINER
RUBBERIZED SURFACING
RUBBERIZED SURFACING SUPPORT
NEW RUBBERIZED SURFACING OVER ASPHALT PAVING
2 F-210
15"
6"x12" CONCRETE CURB
SAND CATCHER
COMPACTED SUBGRADE
2" MIN. PEA GRAVEL
CONCRETE
6" x 12" CONCRETE CURB
SAND CATCHER
4" POLY. PERF. CORR. TUBING SEE DRAINAGE SHEET
CLEAN, WASHED PEA GRAVEL AS NECESSARY FOR LEVELING

2 F-250 JUMP PIT SECTION AT SAND CATCHER

NOT TO SCALE

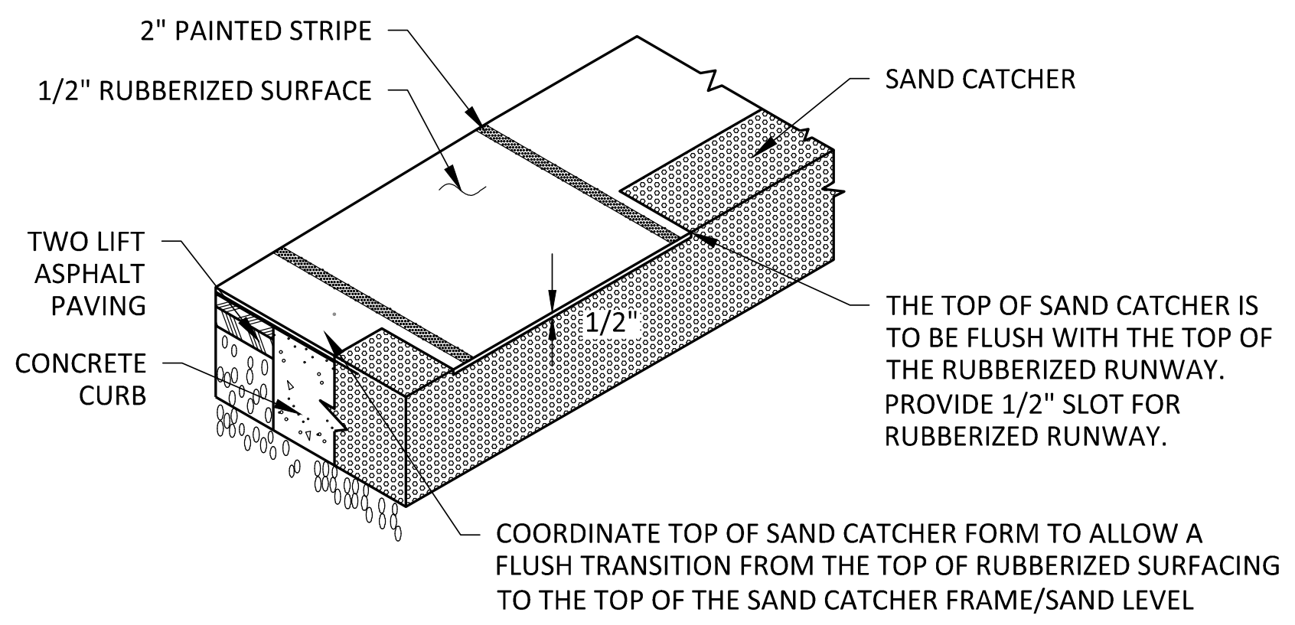
NOTE:

Ⓐ INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING



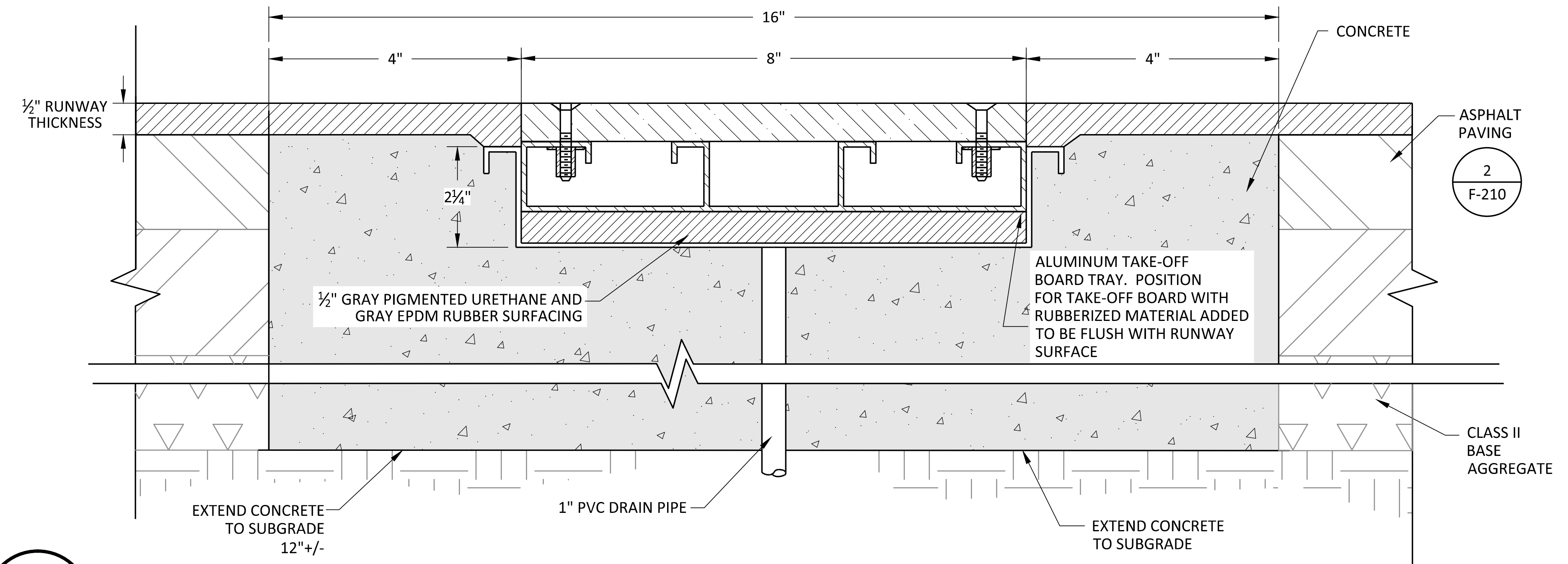
3 F-250 LONG JUMP RUNWAY SECTION

NOT TO SCALE


2" PAINTED STRIPE
1/2" RUBBERIZED SURFACE
SAND CATCHER
TWO LIFT ASPHALT PAVING
CONCRETE CURB
1/2"
THE TOP OF SAND CATCHER IS TO BE FLUSH WITH THE TOP OF THE RUBBERIZED RUNWAY. PROVIDE 1/2" SLOT FOR RUBBERIZED RUNWAY.
COORDINATE TOP OF SAND CATCHER FORM TO ALLOW A FLUSH TRANSITION FROM THE TOP OF RUBBERIZED SURFACING TO THE TOP OF THE SAND CATCHER FRAME/SAND LEVEL

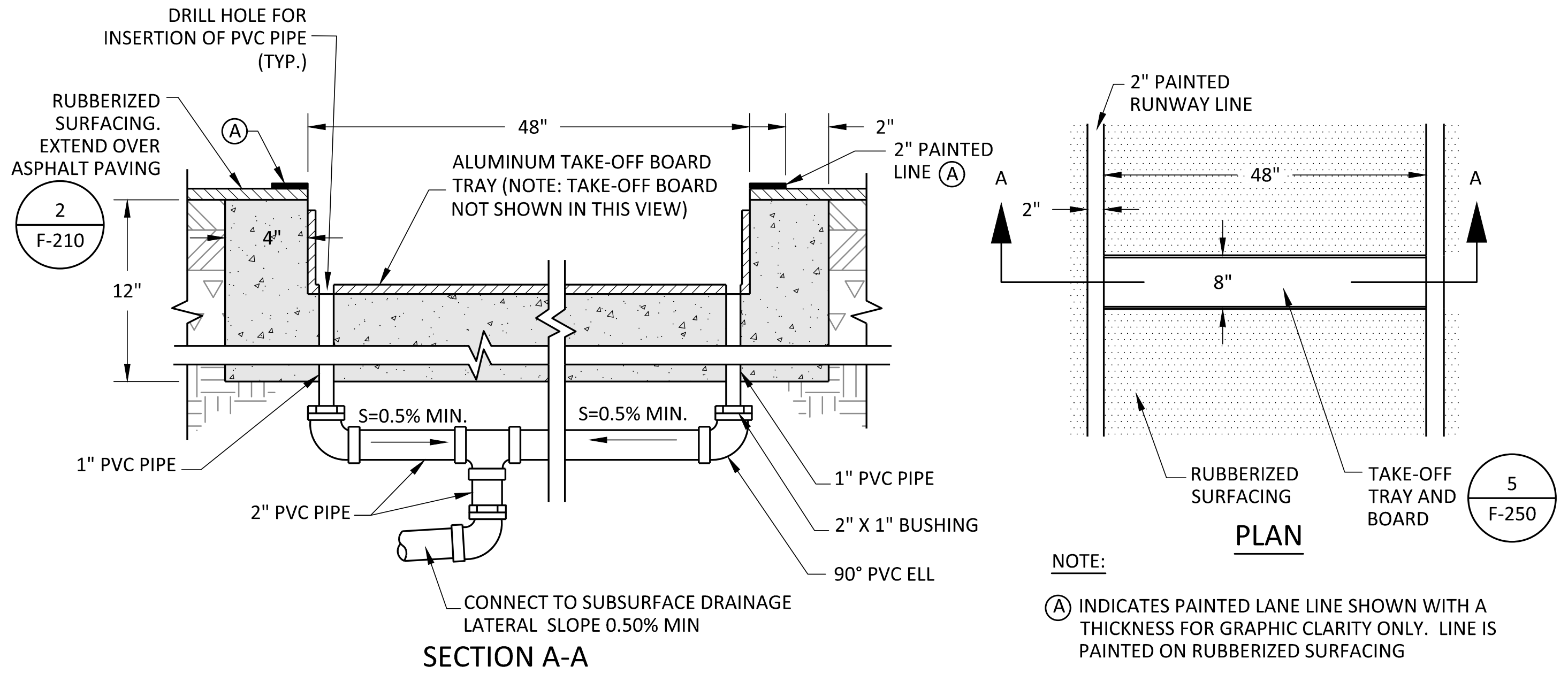
4 F-250 RUNWAY AT JUMP PIT CURB

NOT TO SCALE


16"
4"
8"
4"
CONCRETE
½" RUNWAY THICKNESS
ASPHALT PAVING
2 F-210
2¼"
½" GRAY PIGMENTED URETHANE AND GRAY EPDM RUBBER SURFACING
ALUMINUM TAKE-OFF BOARD TRAY. POSITION FOR TAKE-OFF BOARD WITH RUBBERIZED MATERIAL ADDED TO BE FLUSH WITH RUNWAY SURFACE
CLASS II BASE AGGREGATE
EXTEND CONCRETE TO SUBGRADE 12"+/-
1" PVC DRAIN PIPE
EXTEND CONCRETE TO SUBGRADE

5 F-250 TAKE-OFF BOARD SECTION

NOT TO SCALE

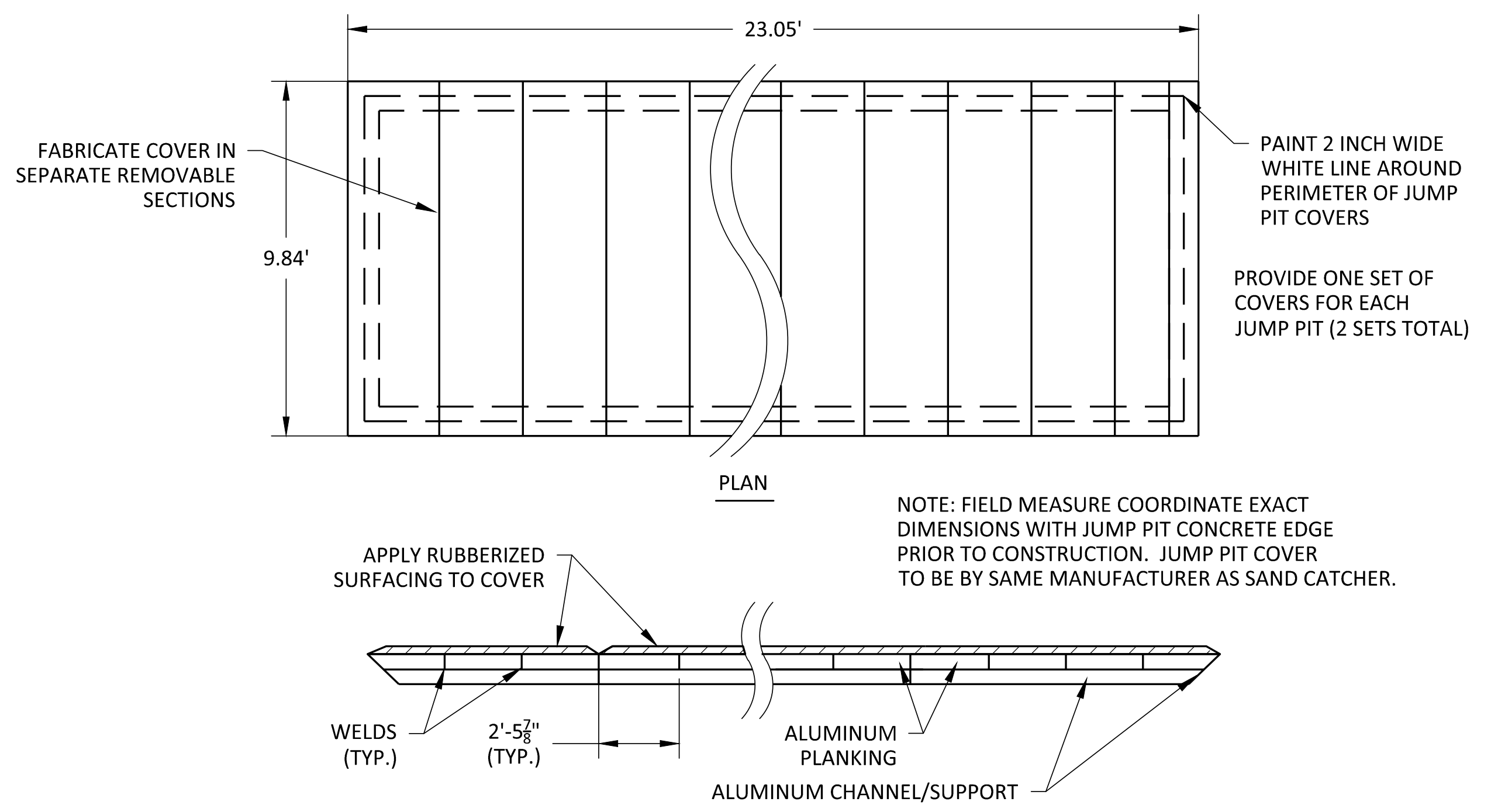

DRILL HOLE FOR INSERTION OF PVC PIPE (TYP.)
RUBBERIZED SURFACING. EXTEND OVER ASPHALT PAVING
Ⓐ
48"
2"
2" PAINTED LINE Ⓐ
2 F-210
ALUMINUM TAKE-OFF BOARD TRAY (NOTE: TAKE-OFF BOARD NOT SHOWN IN THIS VIEW)
4"
12"
S=0.5% MIN.
S=0.5% MIN.
1" PVC PIPE
2" PVC PIPE
1" PVC PIPE
2" X 1" BUSHING
90° PVC ELL
CONNECT TO SUBSURFACE DRAINAGE LATERAL SLOPE 0.50% MIN
SECTION A-A
2" PAINTED RUNWAY LINE
A
A
48"
2"
8"
RUBBERIZED SURFACING
TAKE-OFF TRAY AND BOARD
5 F-250
PLAN

NOTE:

Ⓐ INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING

6 F-250 TAKE-OFF BOARD TRAY

NOT TO SCALE


23.05'
FABRICATE COVER IN SEPARATE REMOVABLE SECTIONS
9.84'
PAINT 2 INCH WIDE WHITE LINE AROUND PERIMETER OF JUMP PIT COVERS
PROVIDE ONE SET OF COVERS FOR EACH JUMP PIT (2 SETS TOTAL)
PLAN
APPLY RUBBERIZED SURFACING TO COVER
WELDS (TYP.)
2'-5⅞" (TYP.)
ALUMINUM PLANKING
ALUMINUM CHANNEL/SUPPORT
SECTION

NOTE: FIELD MEASURE COORDINATE EXACT DIMENSIONS WITH JUMP PIT CONCRETE EDGE PRIOR TO CONSTRUCTION. JUMP PIT COVER TO BE BY SAME MANUFACTURER AS SAND CATCHER.

7 F-250 SAND CATCHER COVER

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

SHEET TITLE

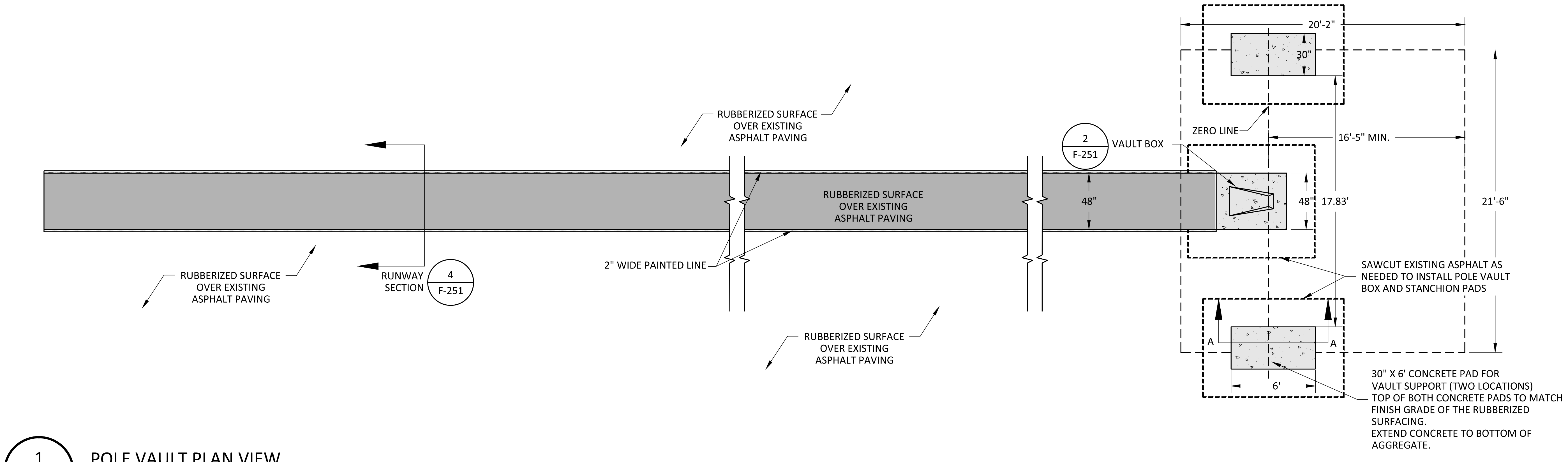
FIELD EVENT DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-250

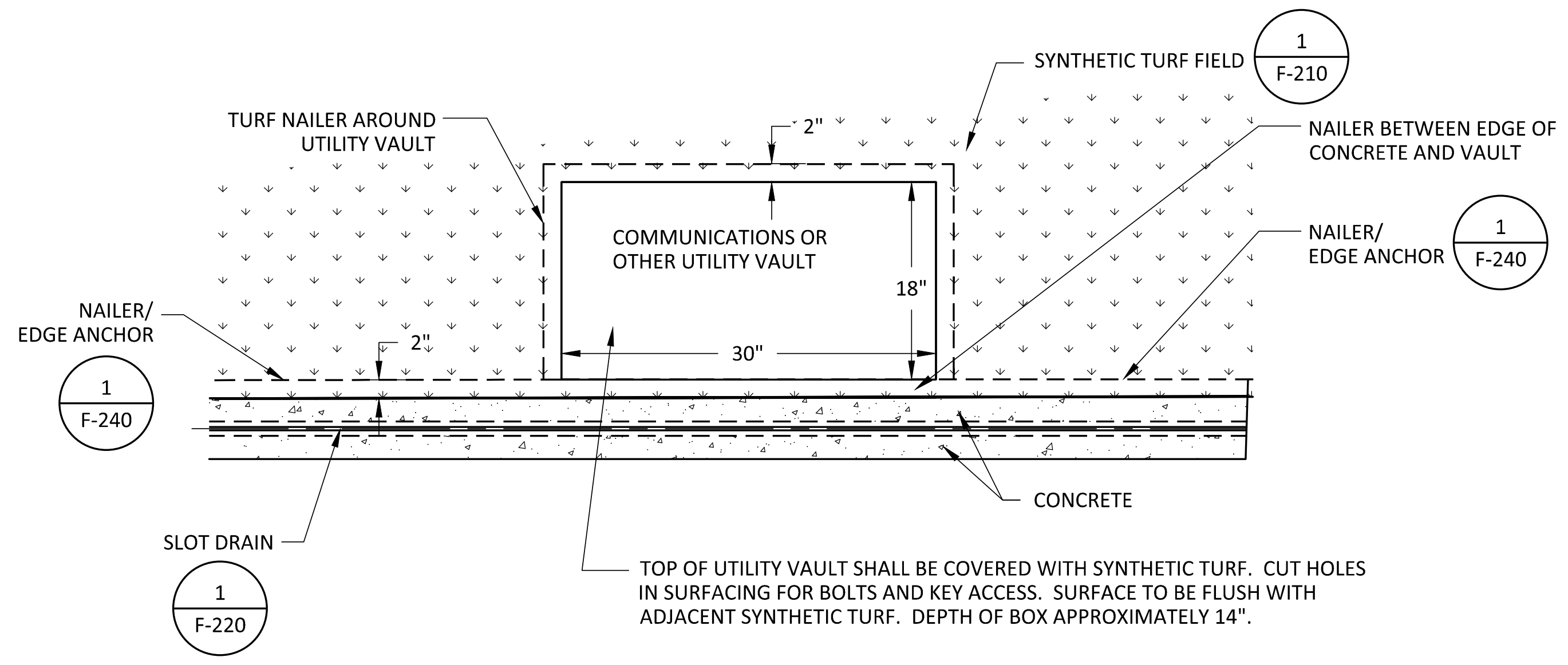
T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

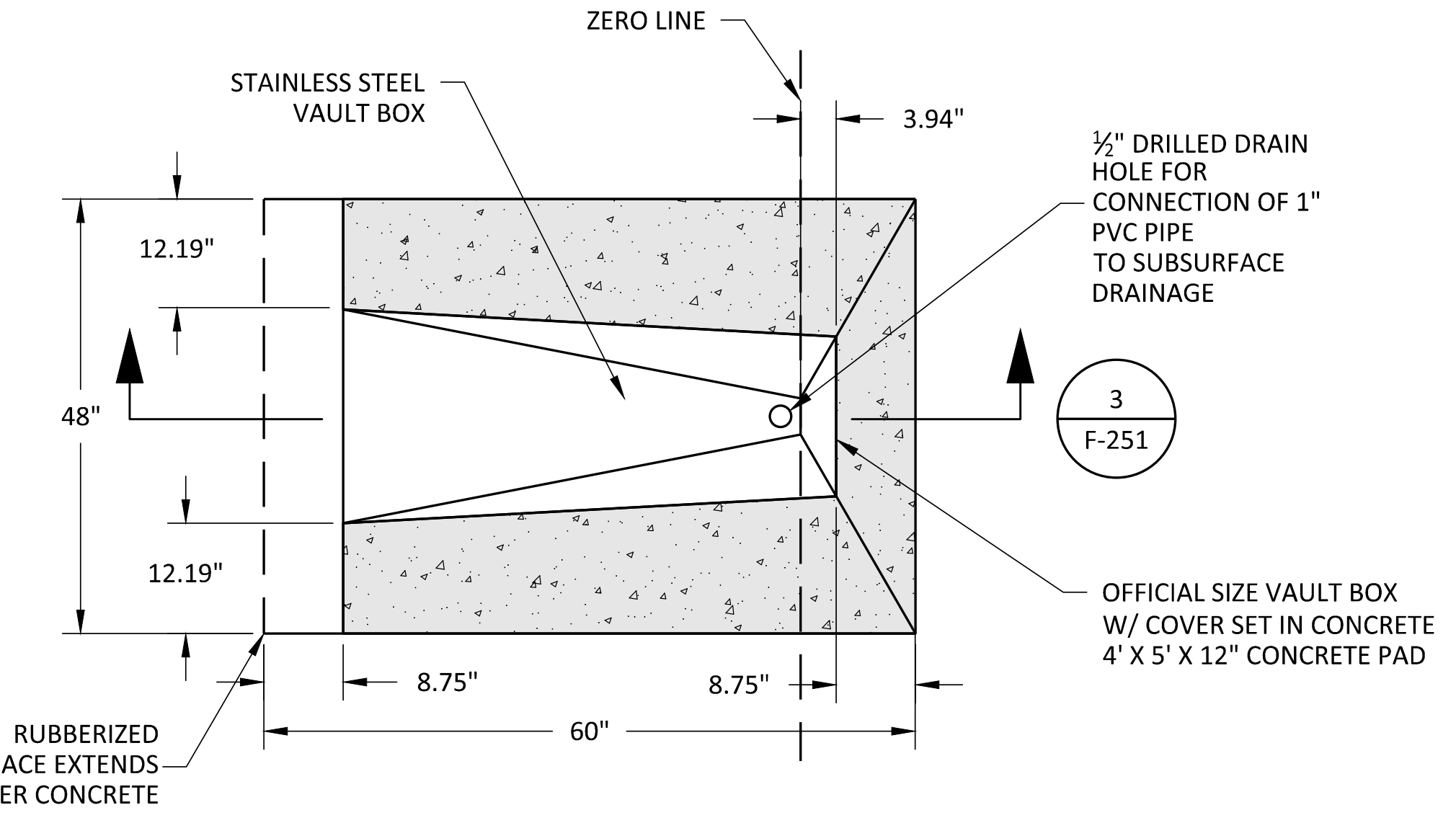
T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln


RUBBERIZED SURFACE OVER EXISTING ASPHALT PAVING
RUBBERIZED SURFACE OVER EXISTING ASPHALT PAVING
RUBBERIZED SURFACE OVER EXISTING ASPHALT PAVING
RUBBERIZED SURFACE OVER EXISTING ASPHALT PAVING
RUNWAY SECTION
4
F-251
2" WIDE PAINTED LINE
2
F-251
VAULT BOX
ZERO LINE
20'-2"
30"
16'-5" MIN.
48"
48"
17.83'
21'-6"
A
A
6'
SAWCUT EXISTING ASPHALT AS NEEDED TO INSTALL POLE VAULT BOX AND STANCHION PADS
30" X 6' CONCRETE PAD FOR VAULT SUPPORT (TWO LOCATIONS) TOP OF BOTH CONCRETE PADS TO MATCH FINISH GRADE OF THE RUBBERIZED SURFACING. EXTEND CONCRETE TO BOTTOM OF AGGREGATE.

1 F-251 POLE VAULT PLAN VIEW

NOT TO SCALE


SYNTHETIC TURF FIELD
1
F-210
TURF NAILER AROUND UTILITY VAULT
2"
NAILER BETWEEN EDGE OF CONCRETE AND VAULT
COMMUNICATIONS OR OTHER UTILITY VAULT
18"
NAILER/ EDGE ANCHOR
1
F-240
NAILER/ EDGE ANCHOR
1
F-240
2"
30"
CONCRETE
SLOT DRAIN
1
F-220
TOP OF UTILITY VAULT SHALL BE COVERED WITH SYNTHETIC TURF. CUT HOLES IN SURFACING FOR BOLTS AND KEY ACCESS. SURFACE TO BE FLUSH WITH ADJACENT SYNTHETIC TURF. DEPTH OF BOX APPROXIMATELY 14".

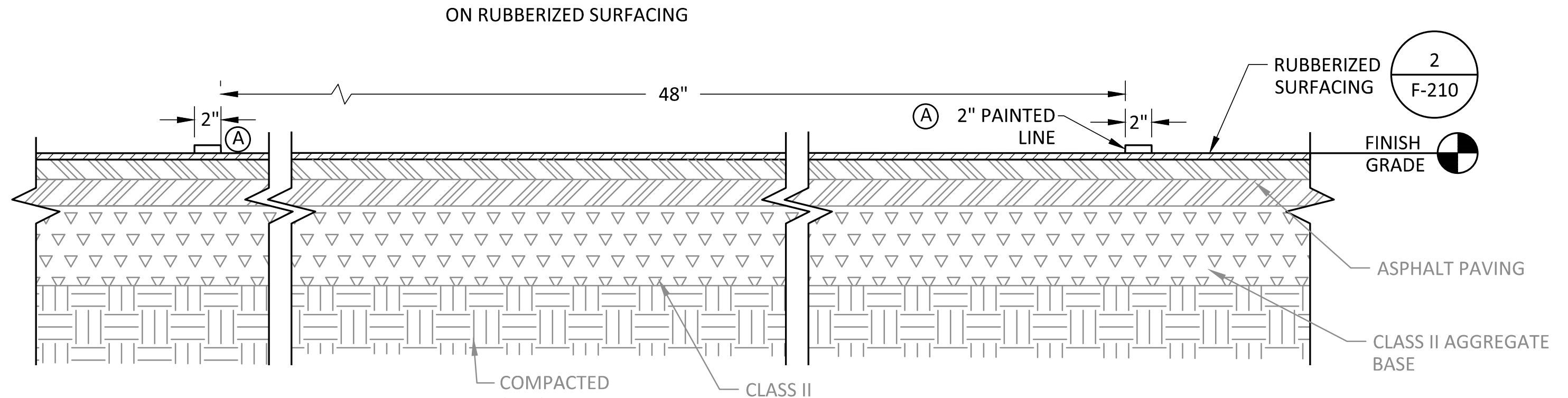

ZERO LINE
STAINLESS STEEL VAULT BOX
3.94"
½" DRILLED DRAIN HOLE FOR CONNECTION OF 1" PVC PIPE TO SUBSURFACE DRAINAGE
12.19"
48"
12.19"
3
F-251
OFFICIAL SIZE VAULT BOX W/ COVER SET IN CONCRETE 4' X 5' X 12" CONCRETE PAD
8.75"
8.75"
60"
RUBBERIZED SURFACE EXTENDS OVER CONCRETE

2 F-251 POLE VAULT BOX PLAN VIEW

NOT TO SCALE

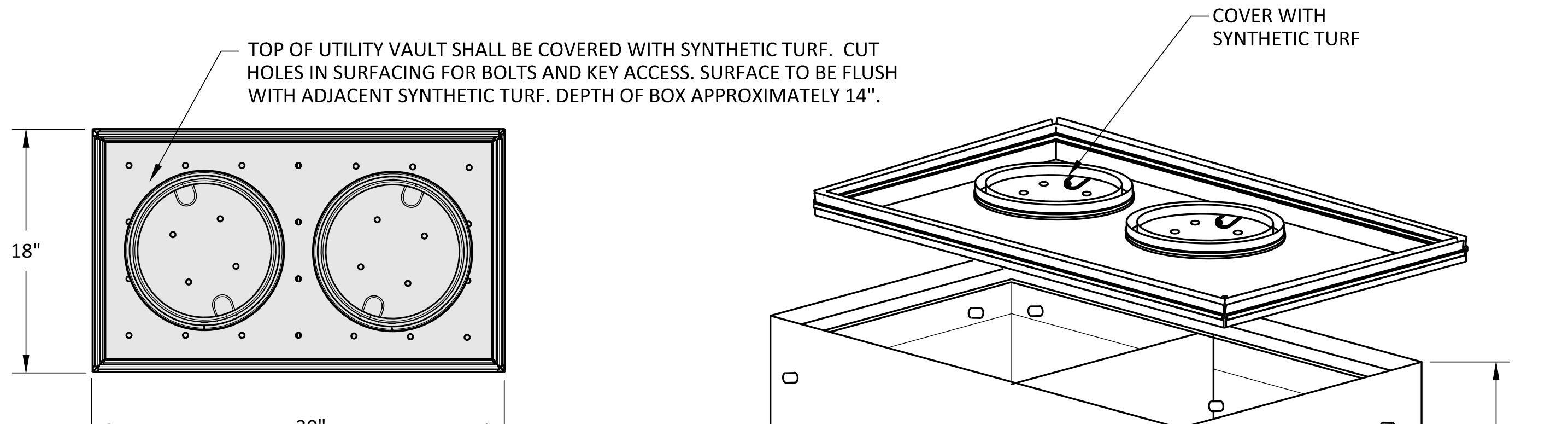
NOTE:

Ⓐ INDICATES PAINTED LANE LINE SHOWN WITH A THICKNESS FOR GRAPHIC CLARITY ONLY. LINE IS PAINTED ON RUBBERIZED SURFACING



4 F-251 POLE VAULT RUNWAY SECTION

NOT TO SCALE

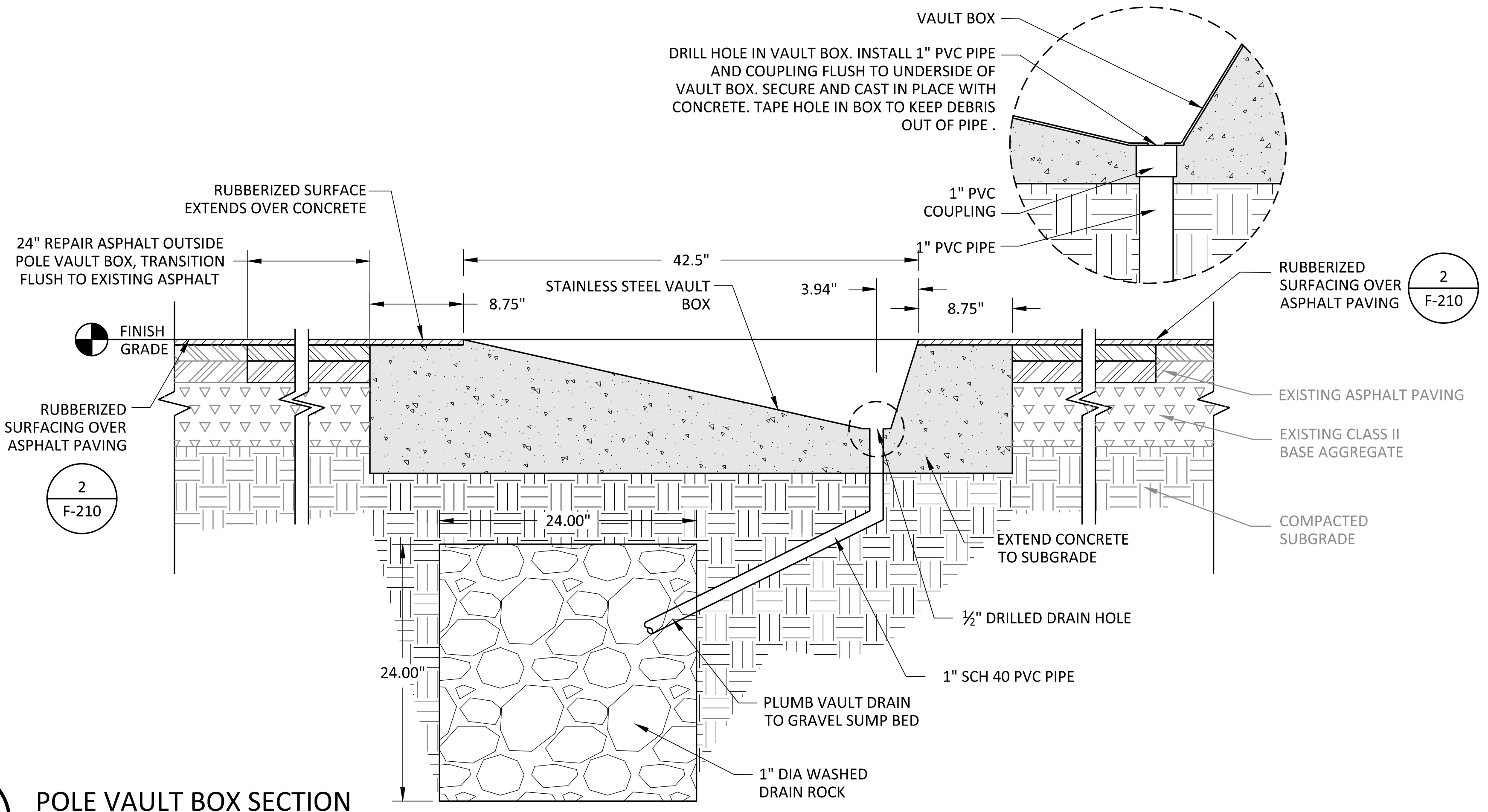

TOP OF UTILITY VAULT SHALL BE COVERED WITH SYNTHETIC TURF. CUT HOLES IN SURFACING FOR BOLTS AND KEY ACCESS. SURFACE TO BE FLUSH WITH ADJACENT SYNTHETIC TURF. DEPTH OF BOX APPROXIMATELY 14".
COVER WITH SYNTHETIC TURF
18"
30"
14"
30"
18"
4" MIN.
INSTALL PEA GRAVEL BELOW COMBOX
INSTALL Ø4" PERF. CPEP DRAIN LATERAL AND EXTEND TO EXISTING FIELD DRAINAGE COLLECTOR TRENCH

COMBOX 3500+ SERIES (FOR USE IN SYNTHETIC TURF)

NOTE:
USE SPORTSFIELD SPECIALTIES COMBOX 3000 SERIES IN RUBBERIZED SURFACING, CONCRETE OR ASPHALT PAVING AND COMBOX 3500 SERIES IN SYNTHETIC TURF OR APPROVED EQUAL

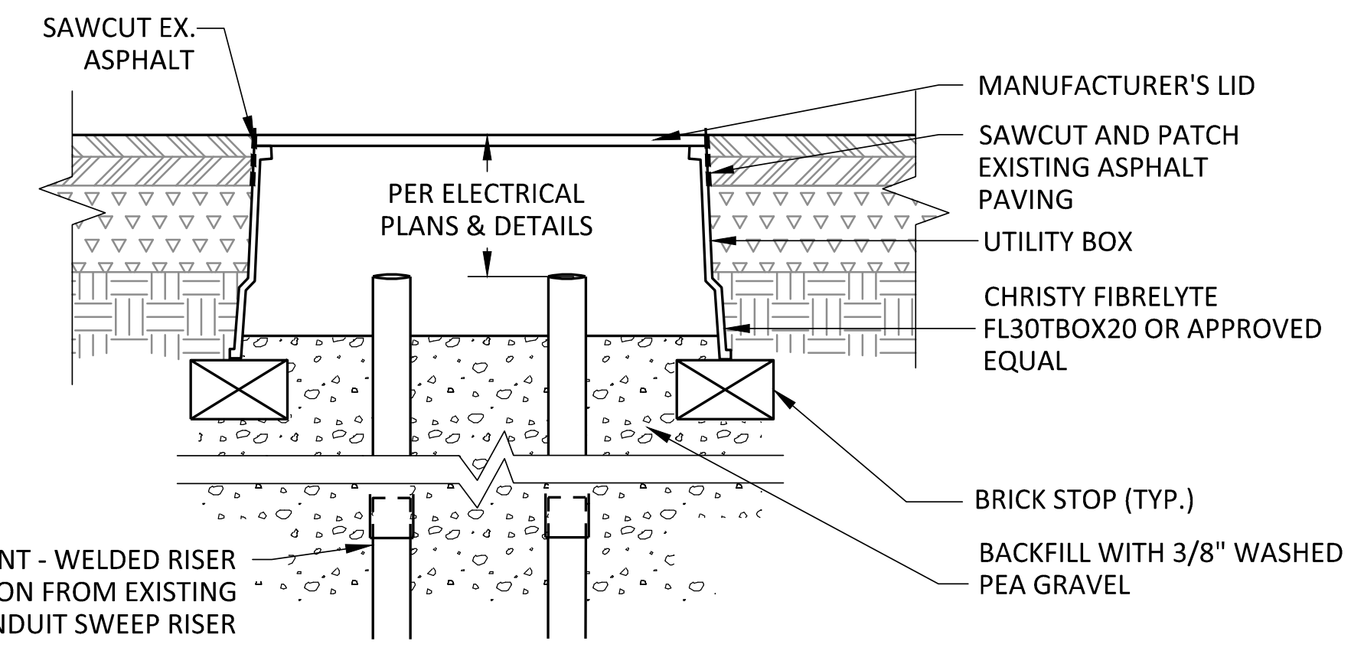
5 F-251 COMBOX

NOT TO SCALE


VAULT BOX
DRILL HOLE IN VAULT BOX. INSTALL 1" PVC PIPE AND COUPLING FLUSH TO UNDERSIDE OF VAULT BOX. SECURE AND CAST IN PLACE WITH CONCRETE. TAPE HOLE IN BOX TO KEEP DEBRIS OUT OF PIPE .
1" PVC COUPLING
1" PVC PIPE
RUBBERIZED SURFACE EXTENDS OVER CONCRETE
24" REPAIR ASPHALT OUTSIDE POLE VAULT BOX, TRANSITION FLUSH TO EXISTING ASPHALT
42.5"
STAINLESS STEEL VAULT BOX
3.94"
8.75"
8.75"
RUBBERIZED SURFACING OVER ASPHALT PAVING
2
F-210
FINISH GRADE
RUBBERIZED SURFACING OVER ASPHALT PAVING
2
F-210
EXISTING ASPHALT PAVING
EXISTING CLASS II BASE AGGREGATE
COMPACTED SUBGRADE
24.00"
24.00"
EXTEND CONCRETE TO SUBGRADE
½" DRILLED DRAIN HOLE
1" SCH 40 PVC PIPE
PLUMB VAULT DRAIN TO GRAVEL SUMP BED
1" DIA WASHED DRAIN ROCK

3 F-251 POLE VAULT BOX SECTION

NOT TO SCALE


SAWCUT EX. ASPHALT
MANUFACTURER'S LID
SAWCUT AND PATCH EXISTING ASPHALT PAVING
PER ELECTRICAL PLANS & DETAILS
UTILITY BOX
CHRISTY FIBRELYTE FL30TBOX20 OR APPROVED EQUAL
BRICK STOP (TYP.)
BACKFILL WITH 3/8" WASHED PEA GRAVEL
SOLVENT - WELDED RISER EXTENSION FROM EXISTING CONDUIT SWEEP RISER

6 F-251 ELECTRICAL HANDHOLE

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

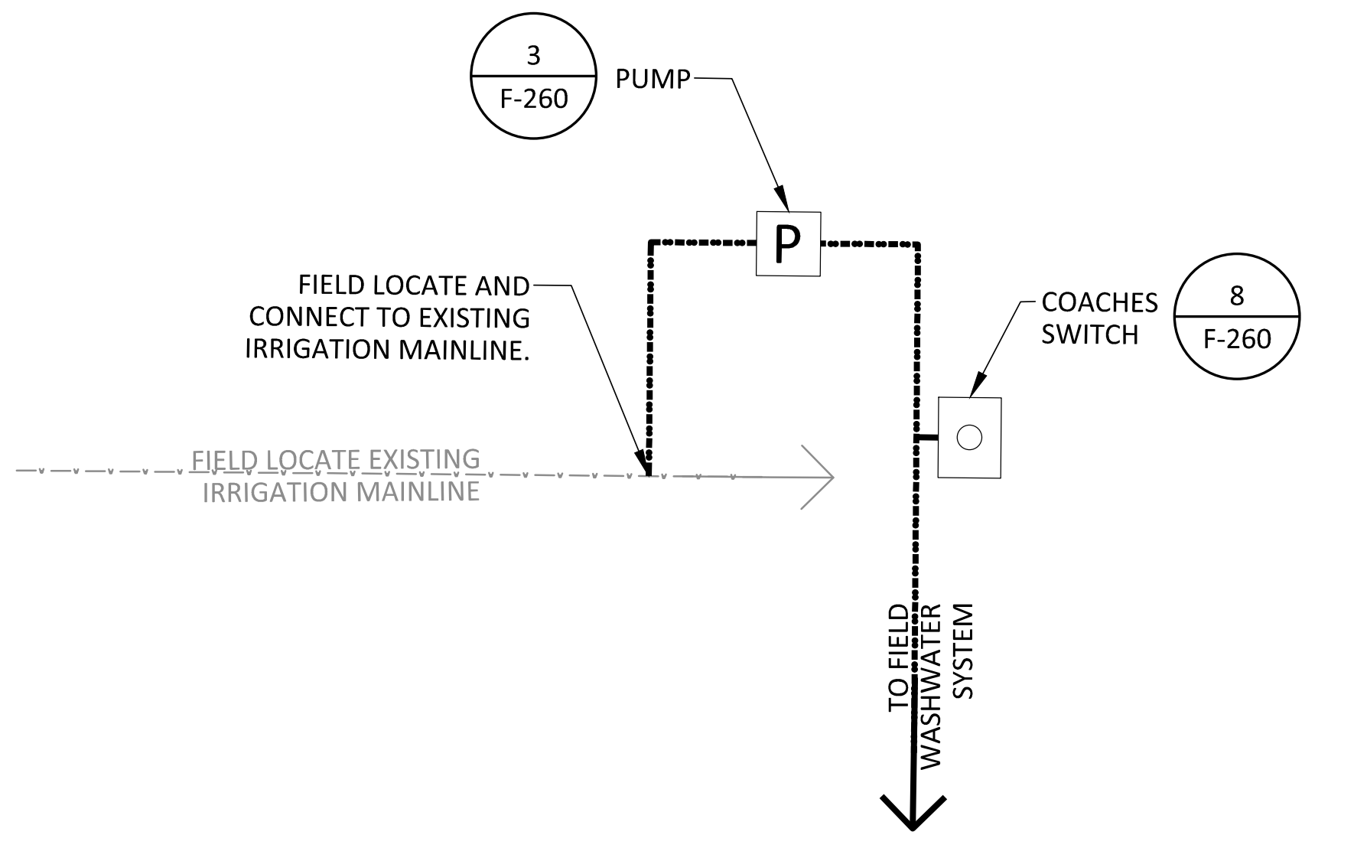
SHEET TITLE

FIELD EVENT
DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

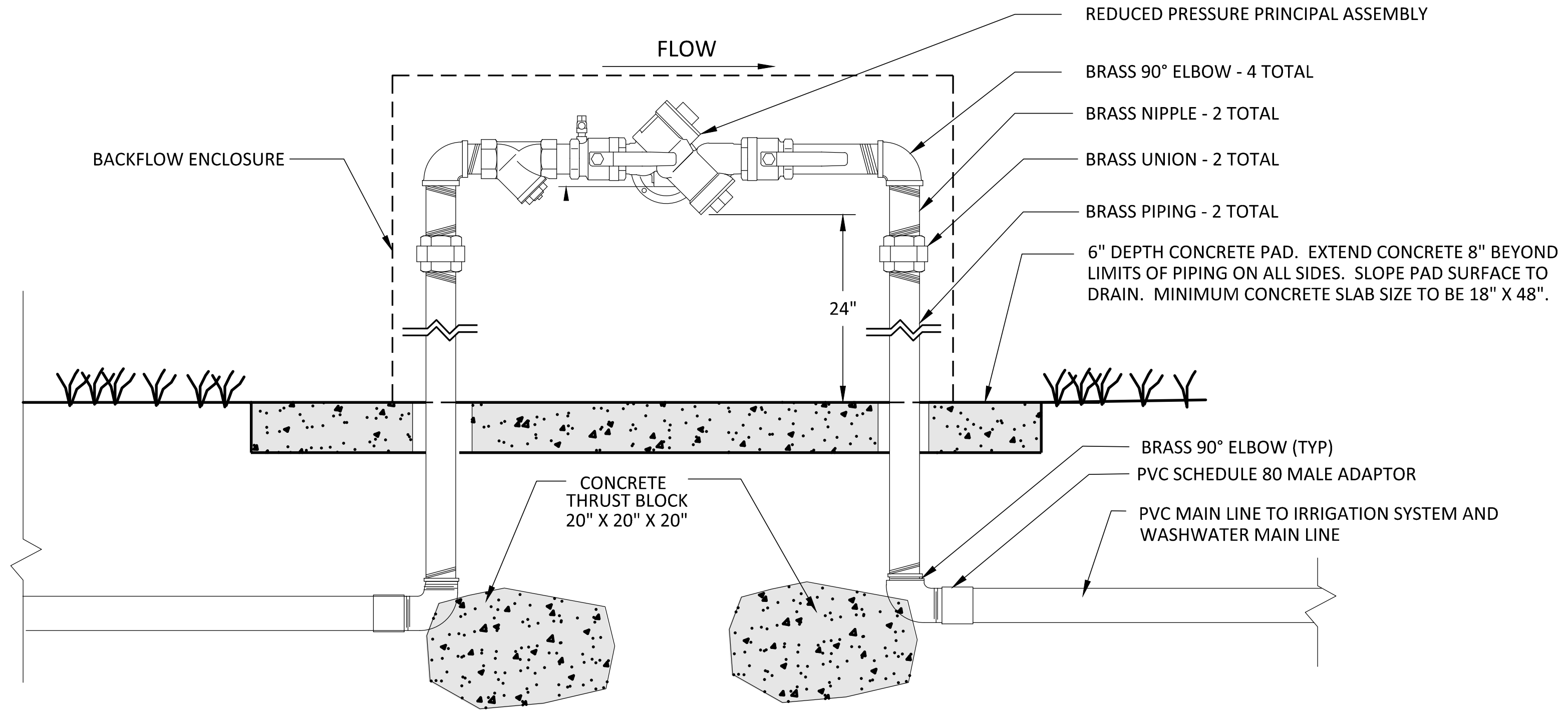
F-251

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln


3
F-260
PUMP
P
FIELD LOCATE AND CONNECT TO EXISTING IRRIGATION MAINLINE.
FIELD LOCATE EXISTING IRRIGATION MAINLINE
COACHES SWITCH
8
F-260
TO FIELD WASHWATER SYSTEM

1 F-260 POINT OF CONNECTION - SCHEMATIC

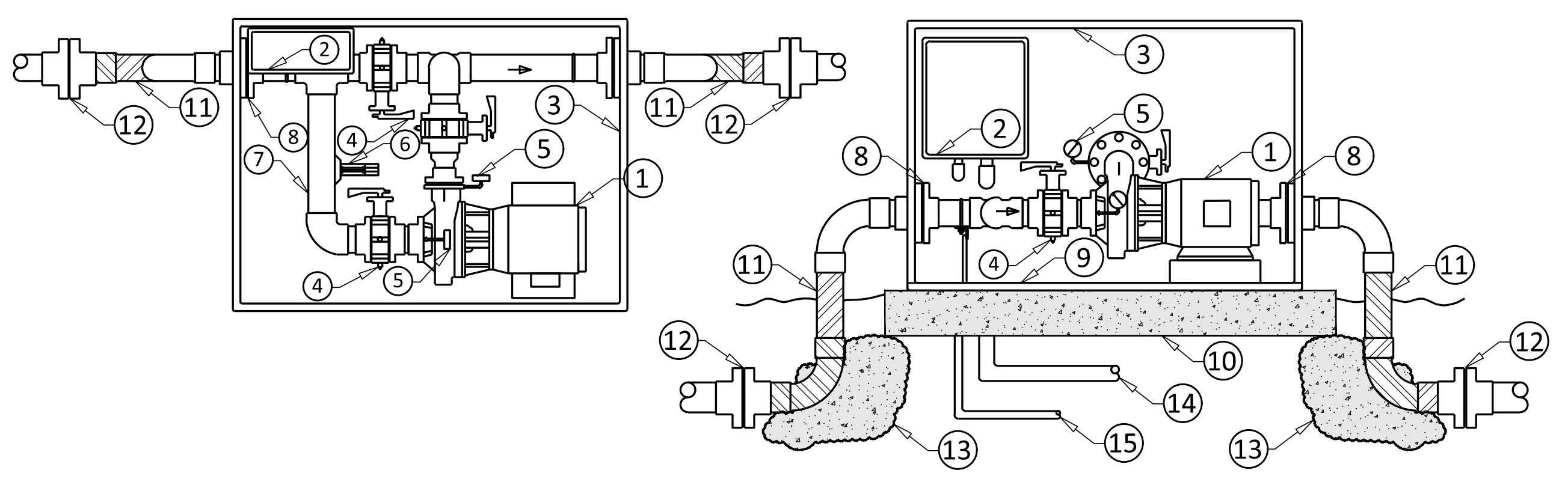
NOT TO SCALE

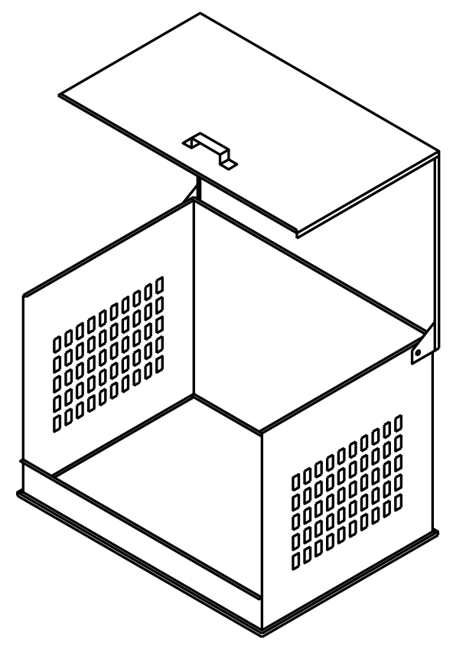

FLOW
BACKFLOW ENCLOSURE
REDUCED PRESSURE PRINCIPAL ASSEMBLY
BRASS 90° ELBOW - 4 TOTAL
BRASS NIPPLE - 2 TOTAL
BRASS UNION - 2 TOTAL
BRASS PIPING - 2 TOTAL
6" DEPTH CONCRETE PAD. EXTEND CONCRETE 8" BEYOND LIMITS OF PIPING ON ALL SIDES. SLOPE PAD SURFACE TO DRAIN. MINIMUM CONCRETE SLAB SIZE TO BE 18" X 48".
24"
CONCRETE THRUST BLOCK 20" X 20" X 20"
BRASS 90° ELBOW (TYP)
PVC SCHEDULE 80 MALE ADAPTOR
PVC MAIN LINE TO IRRIGATION SYSTEM AND WASHWATER MAIN LINE

NOTE: ALL FITTINGS AND NIPPLES FROM ENTRANCE ELL BELOW CONCRETE SLAB THROUGH DISCHARGE TO ELL BELOW CONCRETE SLAB DOWNSTREAM OF CHECK VALVE ASSEMBLY SHALL BE BRASS, SIZE AND LENGTH AS REQUIRED. ADAPT TO PVC MAINLINE WITH PVC MALE ADAPTER. ALL FITTINGS AND NIPPLES TO BE SAME DIAMETER AS BACKFLOW UNIT

2 F-260 REDUCED PRESSURE PRINCIPAL ASSEMBLY

NOT TO SCALE

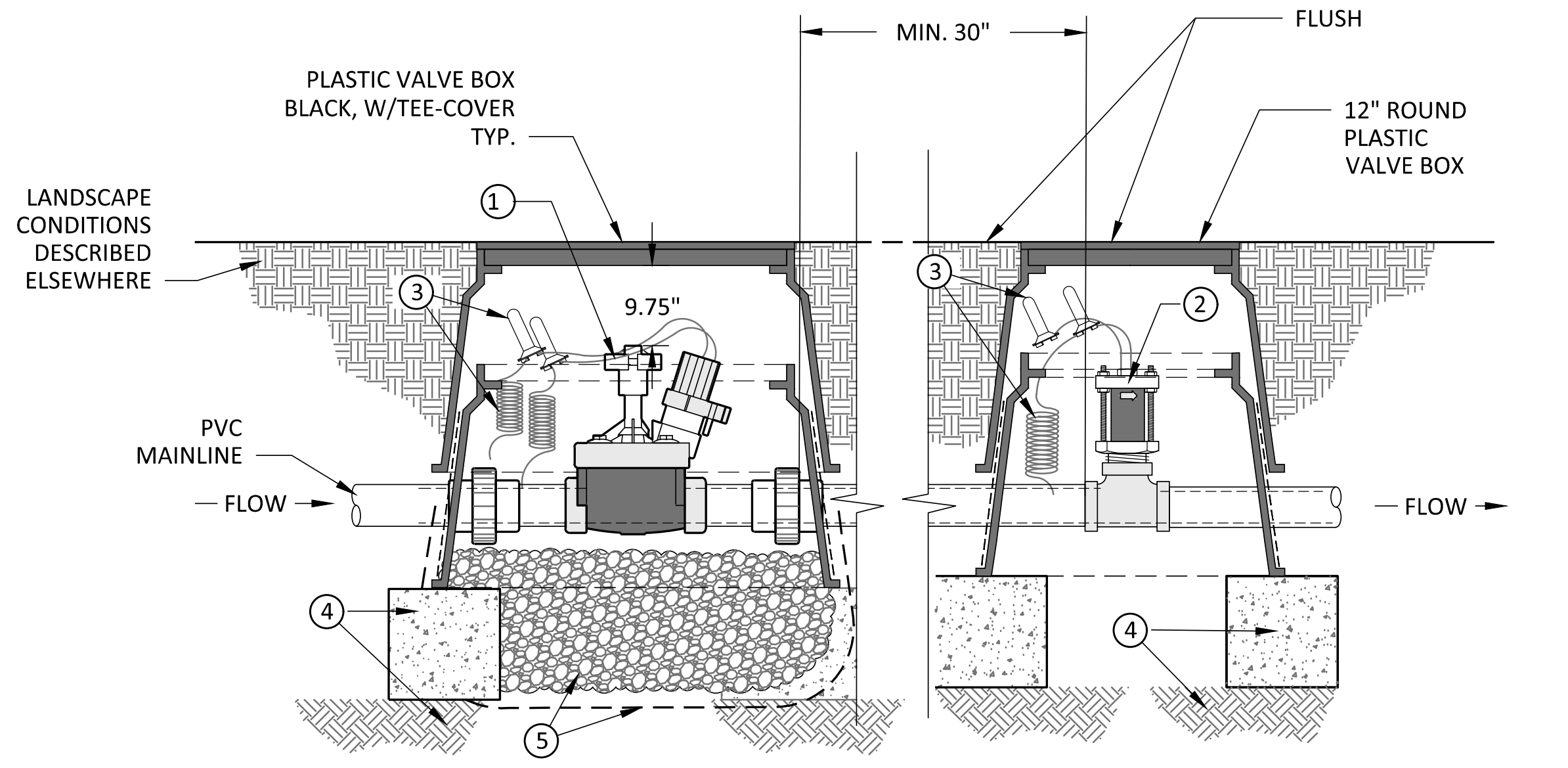




1. CLOSE-COUPLED END SUCTION CENTRIFUGAL PUMP, CAST IRON BRONZE FITTED, BACK PULLOUT DESIGN, MECHANICAL SEAL, ODP MOTOR.
2. NEMA 4 ENCLOSED CONTROL PANEL, WITH CIRCUIT BREAKER, MAGNETIC STARTER, HOA SWITCH, AND COMPONENTS TO AUTOMATICALLY CONTROL BOOSTER PUMP SYSTEM.
3. MARINE GRADE ALUMINUM ENCLOSURE, TOP HINGED DESIGN WITH VENTING.
4. CAST IRON ELASTOMER LINED FULL LUG WAFER STYLE BUTTERFLY VALVE.
5. PRESSURE GAUGE, 2.5" DIAL, LIQUID FILLED, STAINLESS CASE.
6. FLOW SWITCH, BRONZE CONSTRUCTION, PADDLE STYLE, NON-ADJUSTABLE, 100 PSI RATED.
7. TYPE "L" COPPER.
8. 150# ANSI RATED BRASS OUTPUT FLANGE.
9. FABRICATED STRUCTURAL ALUMINUM BASEPLATE.
10. C.I.B.F. DIAPHRAGM ACTUATED PRESSURE REGULATING VALVE.
11. DOUBLE PVC TAPE WRAPPED BRASS PIPE.
12. PVC SCHEDULE 80/BRASS COMPANION FLANGE CONNECTION.
13 CONCRETE THRUST BLOCK.
14. 6 INCH CONCRETE PAD, ASTM C-94, ACI STD. 318-83 DESIGN MIX, 2500 PSI.
15. MAIN SYSTEM POWER CONDUIT.
16. IRRIGATION CONTROLLER SIGNAL CONDUIT.

3 F-260 SUPPLEMENTAL PUMP

NOT TO SCALE

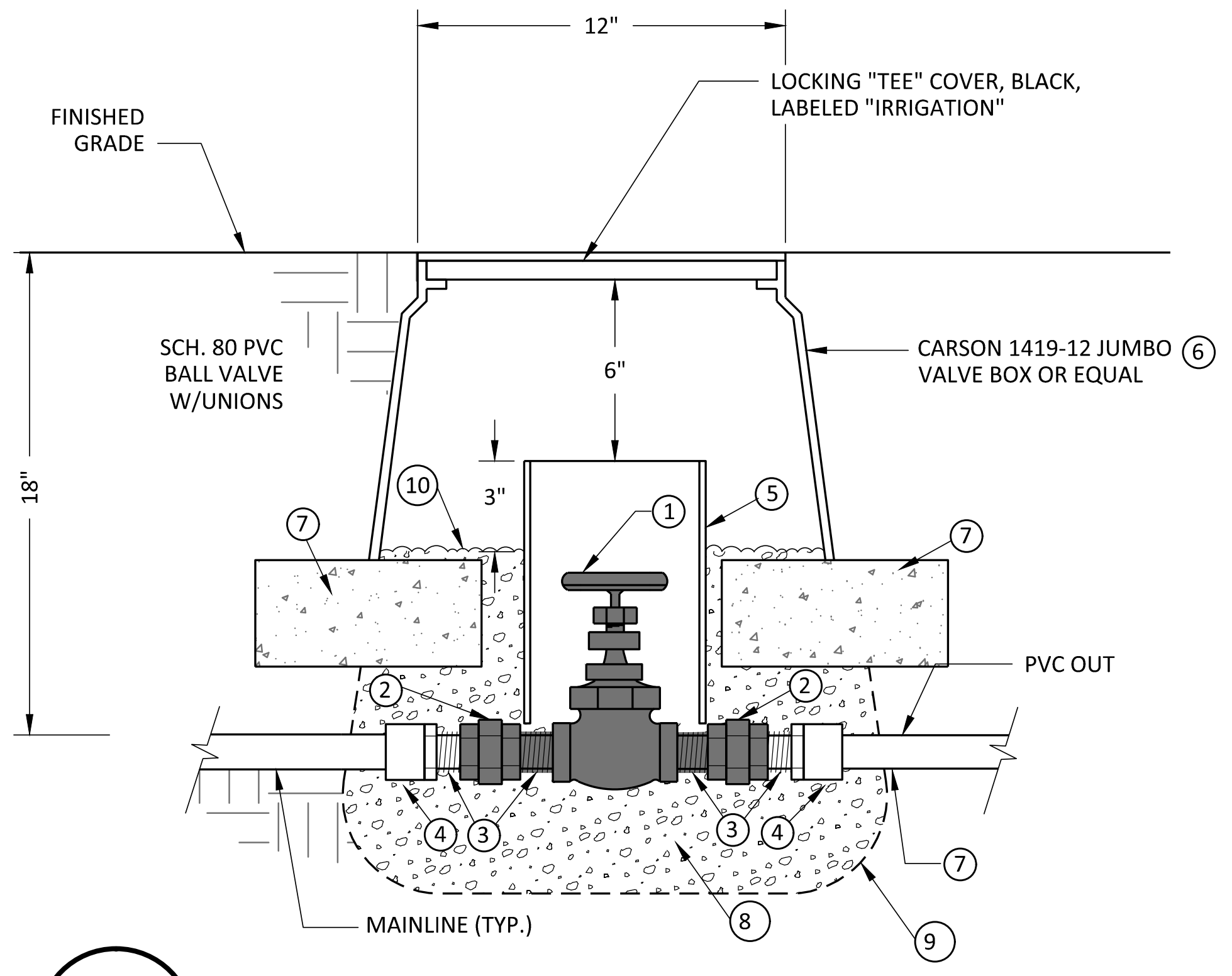

MIN. 30"
FLUSH
PLASTIC VALVE BOX BLACK, W/TEE-COVER TYP.
12" ROUND PLASTIC VALVE BOX
LANDSCAPE CONDITIONS DESCRIBED ELSEWHERE
9.75"
PVC MAINLINE
FLOW
FLOW
1
2
3
4
5

NOTES:

1. MASTER VALVE
2. FLOW SENSOR
3. PROVIDE COMMUNICATION CABLE AND VOLTAGE WIRE MIN. 14 GAUGE, ALLOW A 24" COIL AT EACH SPLICE.
4. SET ALL PLASTIC VALVE BOXES ON PRECAST CONCRETE BRICK ON FIRM SUBGRADE, BRICK TO BE MIN. (4) 4"x4"x8"
5. PROVIDE NON-WOVEN 4OZ. GEOTEXTILE AND 9" DEPTH OF PEA GRAVEL BELOW ALL VALVES, TYPICAL.
6. STACK APPROVED PLASTIC VALVE BOXES TO INSURE VERTICAL CLEARANCE FOR MAINTENANCE; OVERLAP BOXES AT HALF OR MORE.

4 F-260 MASTER VALVE & FLOW SENSOR

NOT TO SCALE

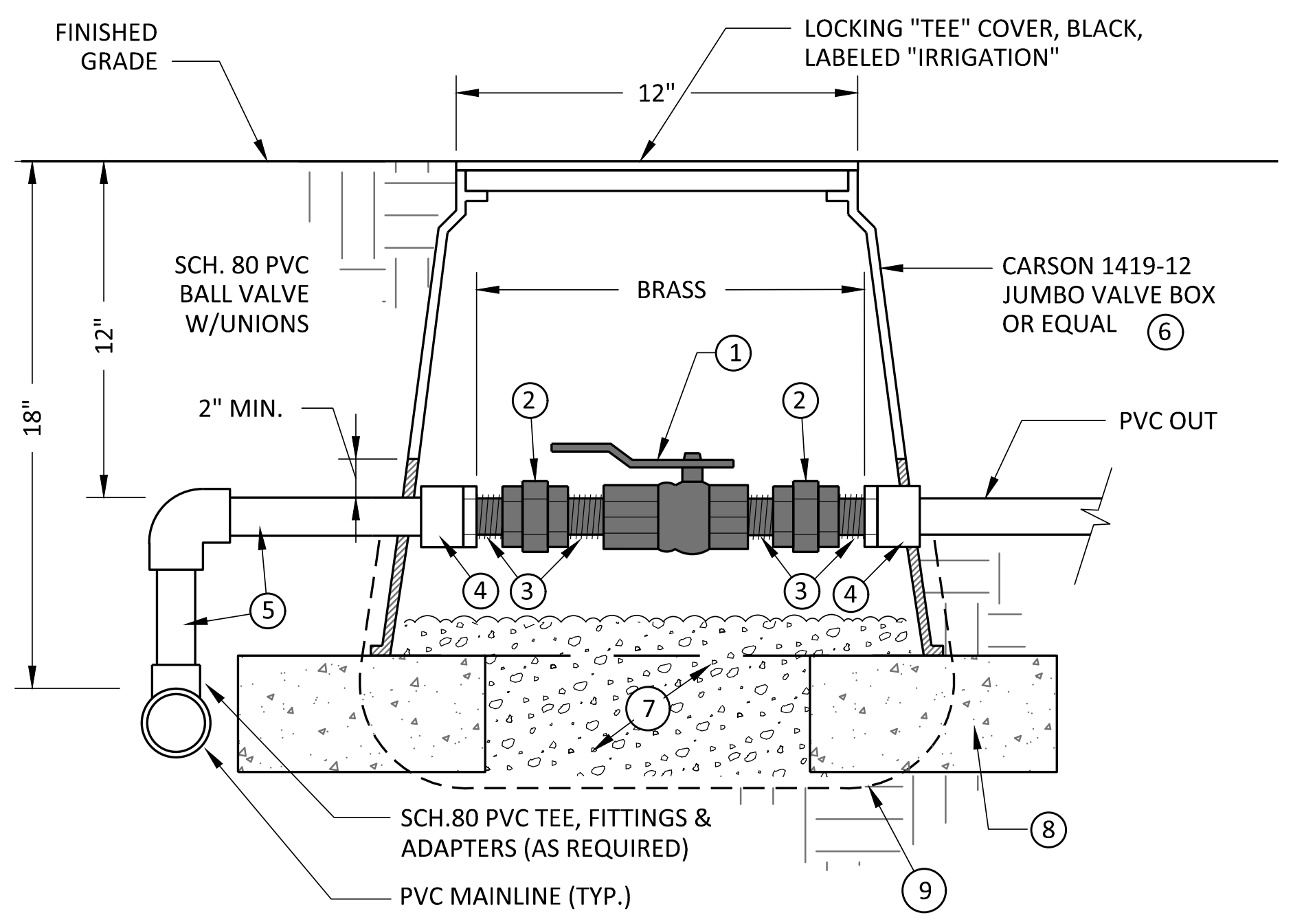

12"
LOCKING "TEE" COVER, BLACK, LABELED "IRRIGATION"
FINISHED GRADE
SCH. 80 PVC BALL VALVE W/UNIONS
CARSON 1419-12 JUMBO VALVE BOX OR EQUAL
6"
18"
3"
PVC OUT
MAINLINE (TYP.)
1
2
3
4
5
6
7
8
9
10

NOTES:

1. BRASS GATE VALVE, THREADED INLET/OUTLET, SIZED PER THE DRAWINGS OR ASSOCIATED INLET-SIDE PIPE
2. BRASS UNION
3. BRASS NIPPLE
4. SCHEDULE 80- PVC BUSHING, SxT
5. 6" PVC RISER PIPE
6. PLASTIC VALVE BOX, MIN. 12"Ø
7. PRE-CAST CONCRETE BRICK UNDER EACH CORNER OF THE VALVE BOX
8. MINIMUM 6' DEPTH 5/8" WASHED PEA GRAVEL
9. 4 OZ/SY NON-WOVEN GEOTEXTILE

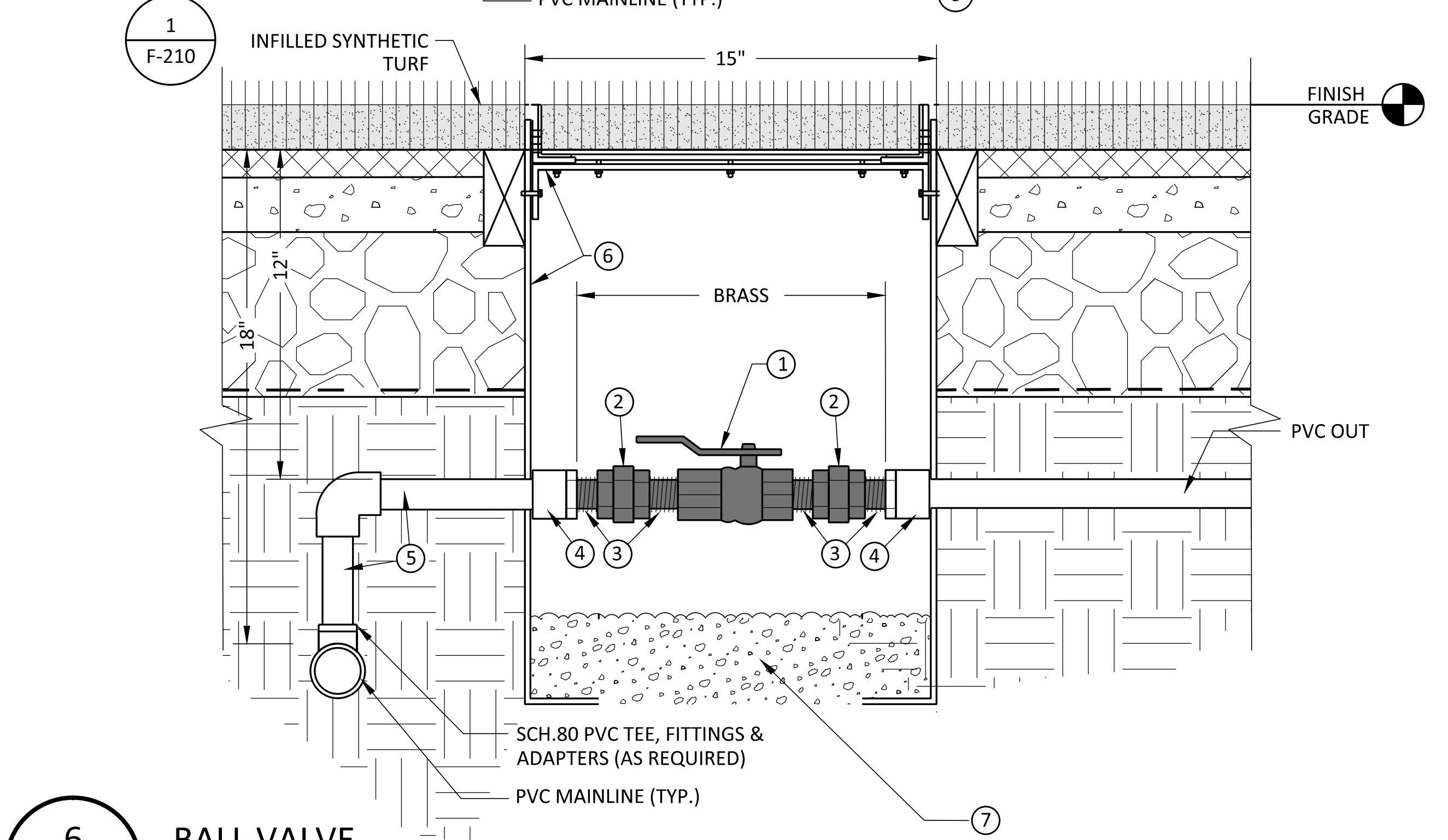
5 F-260 GATE VALVE

NOT TO SCALE


FINISHED GRADE
LOCKING "TEE" COVER, BLACK, LABELED "IRRIGATION"
12"
SCH. 80 PVC BALL VALVE W/UNIONS
CARSON 1419-12 JUMBO VALVE BOX OR EQUAL
BRASS
18"
12"
2" MIN.
PVC OUT
SCH.80 PVC TEE, FITTINGS & ADAPTERS (AS REQUIRED)
PVC MAINLINE (TYP.)
1
2
3
4
5
6
7
8
9

NOTES:

1. BRASS BALL VALVE, THREADED INLET/OUTLET, SIZED PER THE DRAWINGS OR ASSOCIATED INLET-SIDE PIPE
2. BRASS UNION
3. BRASS NIPPLE
4. SCHEDULE 80- PVC BUSHING, SxT
5. MIN. 12" HORIZONTAL & VERTICAL OFFSET FROM MAINLINE
6. PLASTIC VALVE BOX, MIN. 12"Ø
7. MIN. 6" DEPTH 5/8" WASHED PEA GRAVEL
8. PRE-CAST CONCRETE BRICK UNDER EACH CORNER OF THE VALVE BOX
9. 4 OZ/SY NON-WOVEN GEOTEXTILE

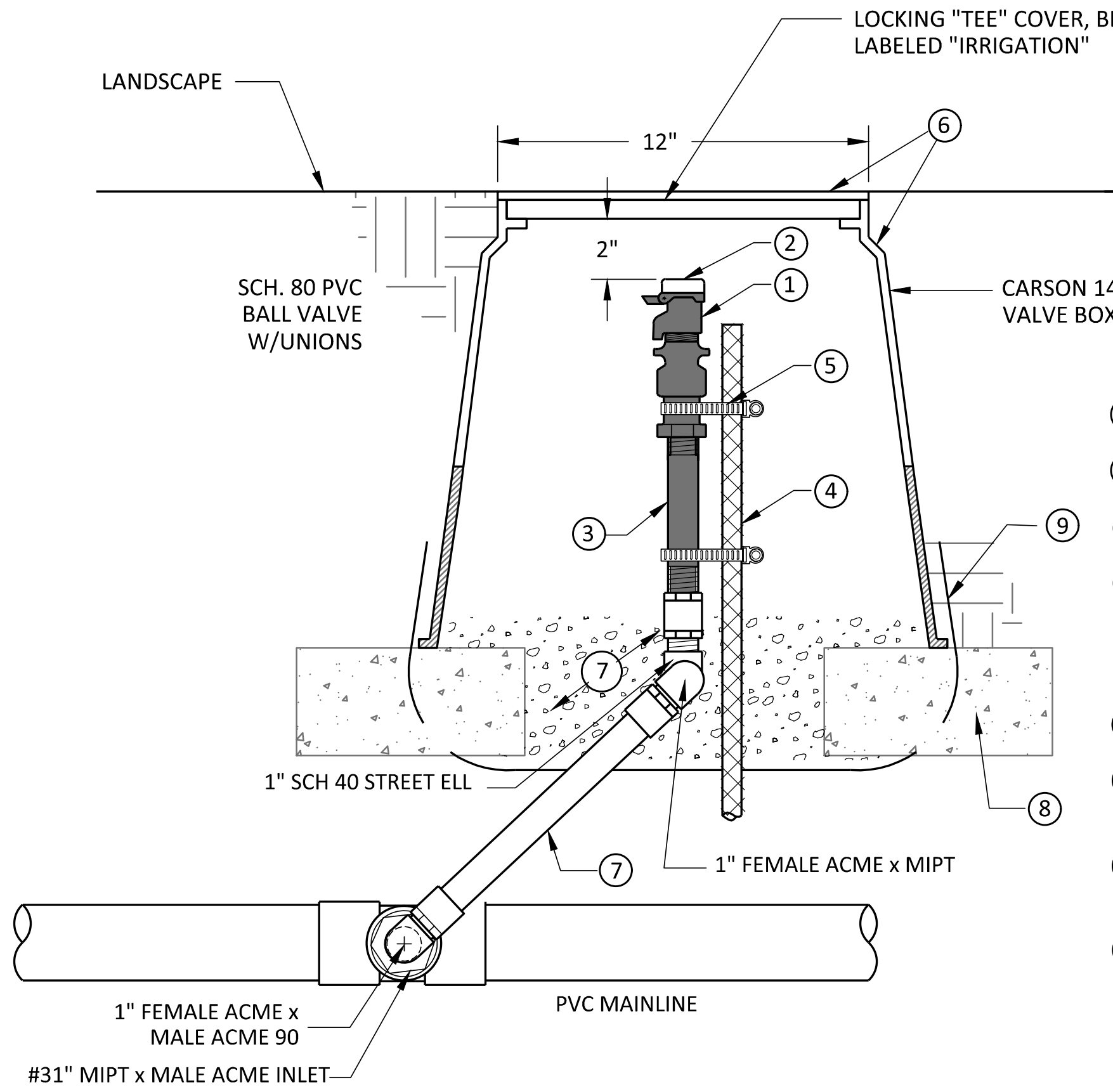


NOTES:

1. BRASS BALL VALVE, THREADED INLET/OUTLET, SIZED PER THE DRAWINGS OR ASSOCIATED INLET-SIDE PIPE
2. BRASS UNION
3. BRASS NIPPLE
4. SCHEDULE 80- PVC BUSHING, SxT
5. MIN. 12" HORIZONTAL & VERTICAL OFFSET FROM MAINLINE
6. SPORTSFIELD SPECIALTIES TURFCOOL OR APPROVED EQUAL VALVE BOX WITH REMOVABLE LID
7. CLEAN PEA GRAVEL 4"-6" DEPTH

6 F-260 BALL VALVE

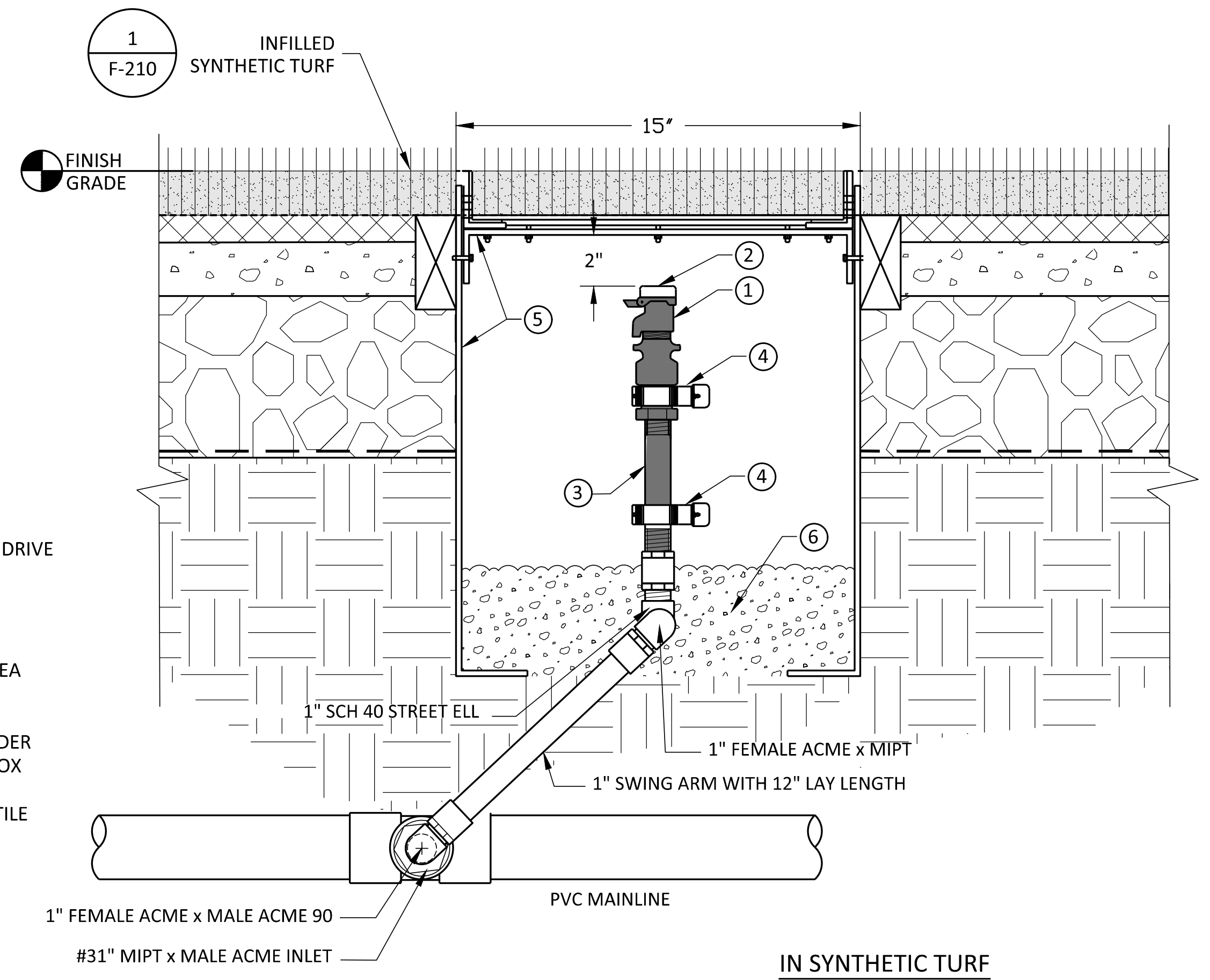
NOT TO SCALE


LOCKING "TEE" COVER, BLACK, LABELED "IRRIGATION"
LANDSCAPE
12"
FINISH GRADE
2"
SCH. 80 PVC BALL VALVE W/UNIONS
CARSON 1419-12 VALVE BOX OR EQUAL
1" SCH 40 STREET ELL
1" FEMALE ACME x MIPT
1" FEMALE ACME x MALE ACME 90
#31" MIPT x MALE ACME INLET
PVC MAINLINE
1
2
3
4
5
6
7
8
9

NOTES:

1. BRASS QUICK COUPLING VALVE
2. RUBBER CAP
3. GALVANIZED NIPPLE
4. #5 REBAR 36" DEPTH
5. STAINLESS STEEL BAND WORM DRIVE CLAMP
6. PLASTIC VALVE BOX, MIN. 12"Ø
7. MIN. 6" DEPTH 5/8" WASHED PEA GRAVEL
8. PRE-CAST CONCRETE BRICK UNDER EACH CORNER OF THE VALVE BOX
9. 4 OZ/SY NON-WOVEN GEOTEXTILE

IN LANDSCAPE



NOTES:

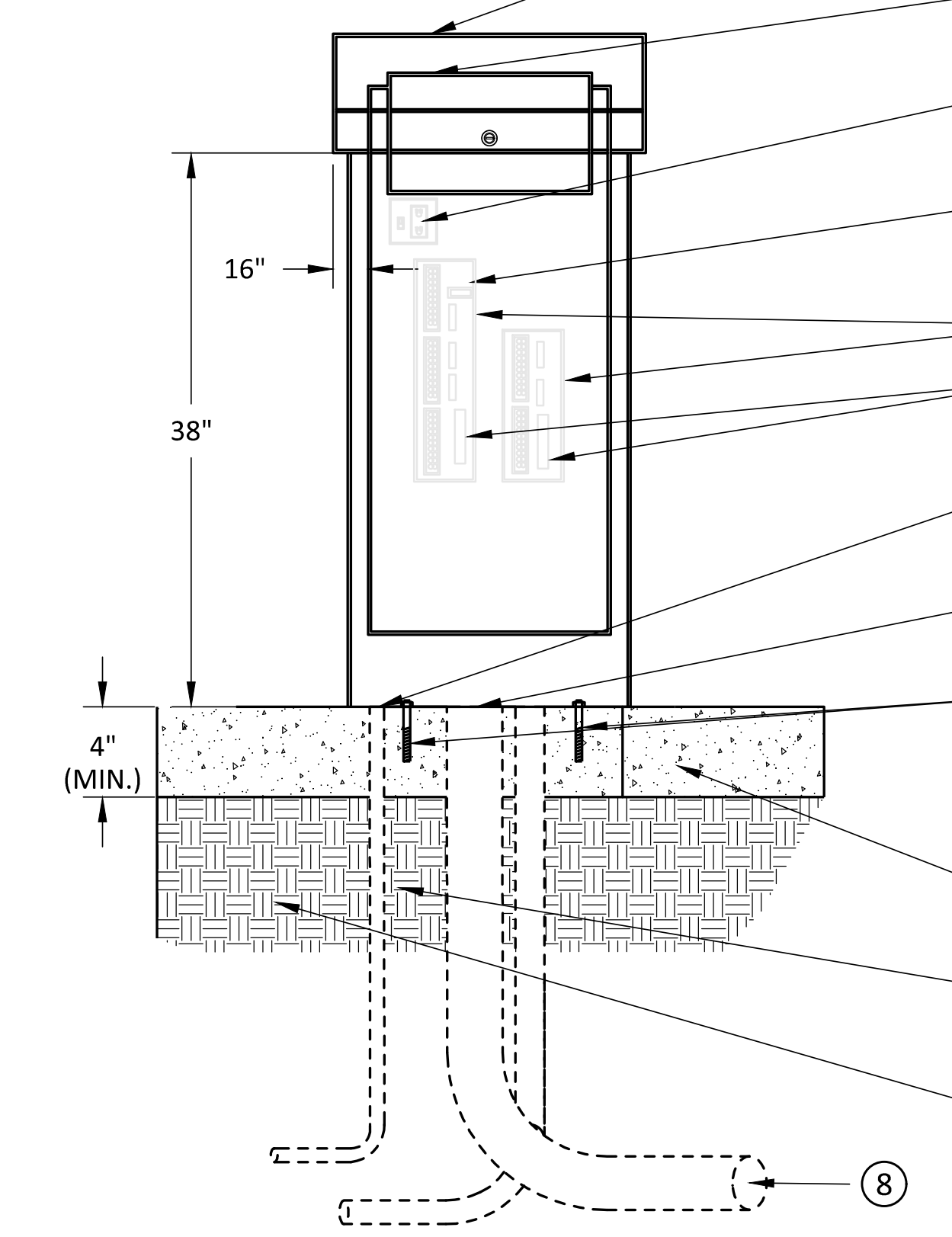
1. BRASS QUICK COUPLING VALVE
2. RUBBER CAP
3. GALVANIZED NIPPLE
4. STAINLESS STEEL CLAMP
5. SPORTSFIELD SPECIALTIES TURFCOOL OR APPROVED EQUAL VALVE BOX WITH REMOVABLE LID
6. CLEAN PEA GRAVEL 4"-6" DEPTH

IN SYNTHETIC TURF

7 F-260 QUICK COUPLING VALVE ASSEMBLY

NOT TO SCALE

NOTE:
ALL GROUNDING REQUIREMENTS FOR CONTROLLER ASSEMBLIES SHALL CONFORM TO LOCAL ELECTRICAL CODES.



1. IMPERIAL ASSEMBLIES "COACHES SWITCH" 16" TOP ENTRY CONTROLLER ASSEMBLY NEMA 3R RAINPROOF ENCLOSURE (UL LISTED)
2. IRRIGATION CONTROLLER - ITS ICA6-TS2-10:1
3. POWER SWITCH/GFI RECEPTACLE
4. MASTER VALVE RELAY ASSEMBLY OR PUMP START RELAY ASSEMBLY (OPTIONAL)
5. TERMINAL BOARD
6. REMOTE RECEIVER CONNECTOR (OPTIONAL)
7. 1" PVC CONDUIT FOR FLOW SENSOR CABLE PAIGE CABLE P-7162-D
8. PVC CONDUIT FOR CONTROL WIRES, SIZE AS REQUIRED
9. SECURE CONTROLLER ASSEMBLY TO CONCRETE SLAB WITH .5" DIA. X 5" BOLTS, MIN. 4 LOCATIONS PER MANUFACTURER'S RECOMMENDATION.
10. POURED CONCRETE BASE
11. 1" PVC CONDUIT FOR FLOW SENSOR CABLE PAIGE CABLE P-7162-D
12. SUBGRADE

8 F-260 COACHES SWITCH

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
7-31-26
10-30-23

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln
PLOT DATE:
10-30-23

SHEET TITLE

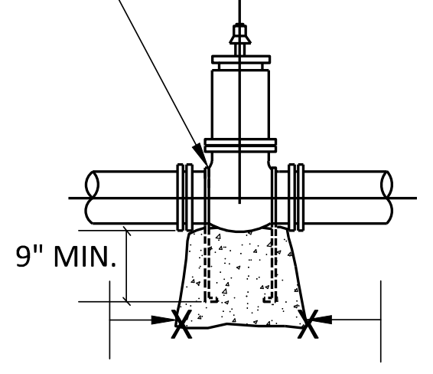
IRRIGATION & WASHWATER DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-260

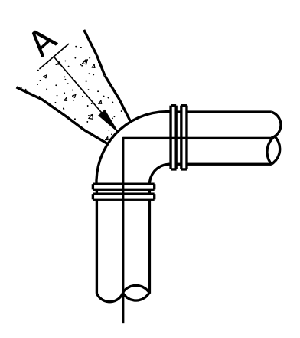
T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

THRUST BLOCK - TABLE							
		MINIMUM BEARING AREA AGAINST UNDISTURBED SOIL SQUARE FEET					
PIPE SIZE	PRESSURE PSI	A	B	C	D	E	X (100 PSI)
4"	200 300	2/(1) 3/(2)	1/(NONE) 2/(2)	1/(NONE) 2/(1)	NONE 1/(1)	NONE NONE	NONE

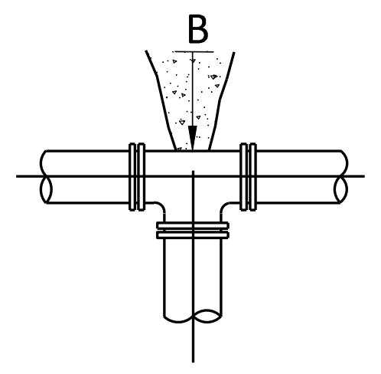

2 - 3/4" DIA. RODS FOR 10" SIZE & SMALLER
2 - 1" DIA. RODS LARGER THAN 10" SIZE
9" MIN.
X
X

GATE VALVE

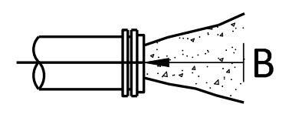
NOTE:
ADDITIONAL BLOCKING MUST BE PROVIDED IF GATE VALVE IS AT END OF LINE DURING TESTING.



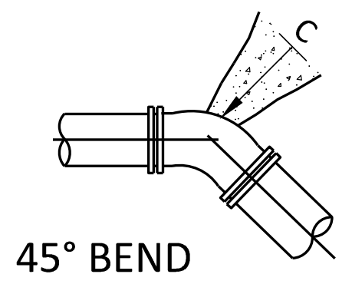
90° BEND



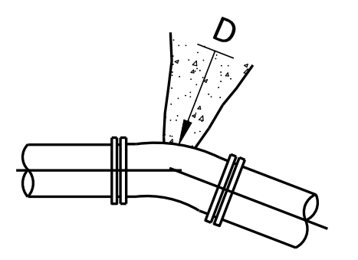
TEE



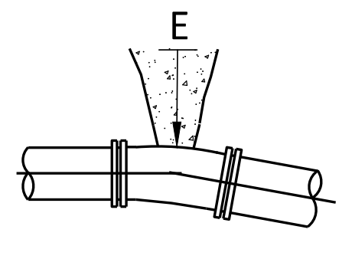
CAP



45° BEND



22 1/2° BEND



11 1/4° BEND

SAFE BEARING LOADS IN LB./SQ. FT. THE SAFE BEARING LOADS GIVEN IN THE FOLLOWING TABLE ARE FOR HORIZONTAL THRUSTS WHEN THE DEPTH OF COVER OVER THE PIPE EXCEEDS 2 FEET.

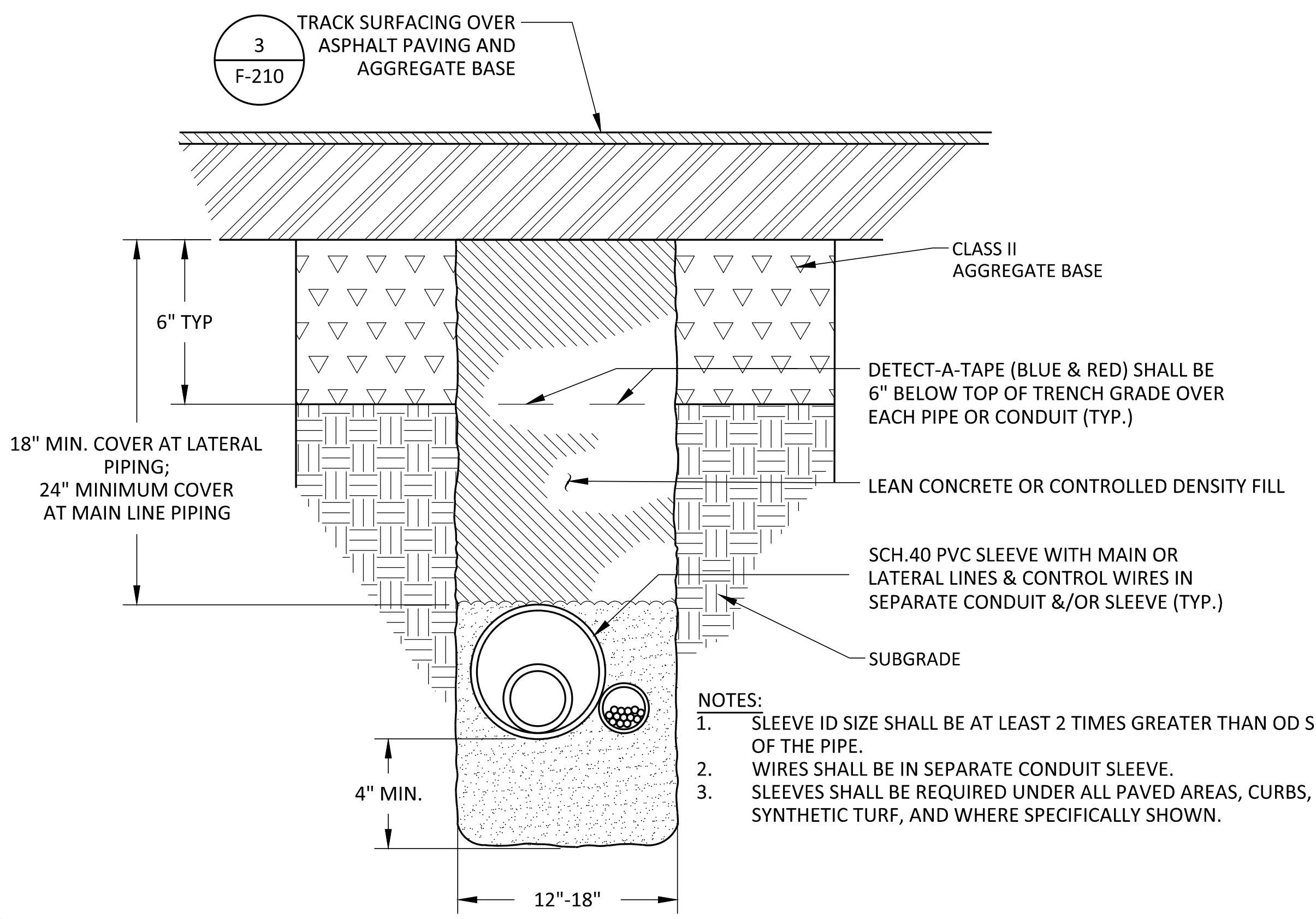
SOIL	SAFE BEARING LOAD LB PER SQ. FT.
* MUCK, PEAT, ETC.	
SOFT CLAY	1,000
SAND	2,000
SAND & GRAVEL	3,000
SAND & GRAVEL CEMENTED WITH CLAY	4,000
HARD SHALE	10,000

* IN MUCK OR PEAT, ALL THRUSTS SHALL BE RESTRAINED BY PILES OR TIE RODS TO SOLID FOUNDATIONS OR BY REMOVAL OF MUCK OR PEAT AND REPLACEMENT WITH BALLAST OF SUFFICIENT STABILITY TO RESIST THRUST.

NOTES:
1. SQUARE FEET OF CONCRETE THRUSTS - BLOCK AREA BASED ON SAFE BEARING LOAD OF 2000/(3000) POUNDS PER SQUARE FOOT.
2. AREAS MUST BE ADJUSTED FOR OTHER SIZE PIPE, PRESSURES & SOIL CONDITIONS.
3. CONCRETE BLOCKING SHALL BE CAST IN PLACE & HAVE MINIMUM OF 1/4 SQUARE FOOT BEARING AGAINST THE FITTING.
4. BLOCK SHALL BEAR AGAINST FITTINGS ONLY & SHALL BE CLEAR OF JOINTS TO PERMIT TAKING UP OR DISMANTLING JOINT.
5. CONTRACTOR SHALL INSTALL BLOCKING ADEQUATE TO WITHSTAND FULL TEST PRESSURE AS WELL AS TO CONTINUOUSLY WITHSTAND OPERATING PRESSURE UNDER ALL CONDITIONS OF SERVICE.

1 F-261 THRUST BLOCKING

NOT TO SCALE

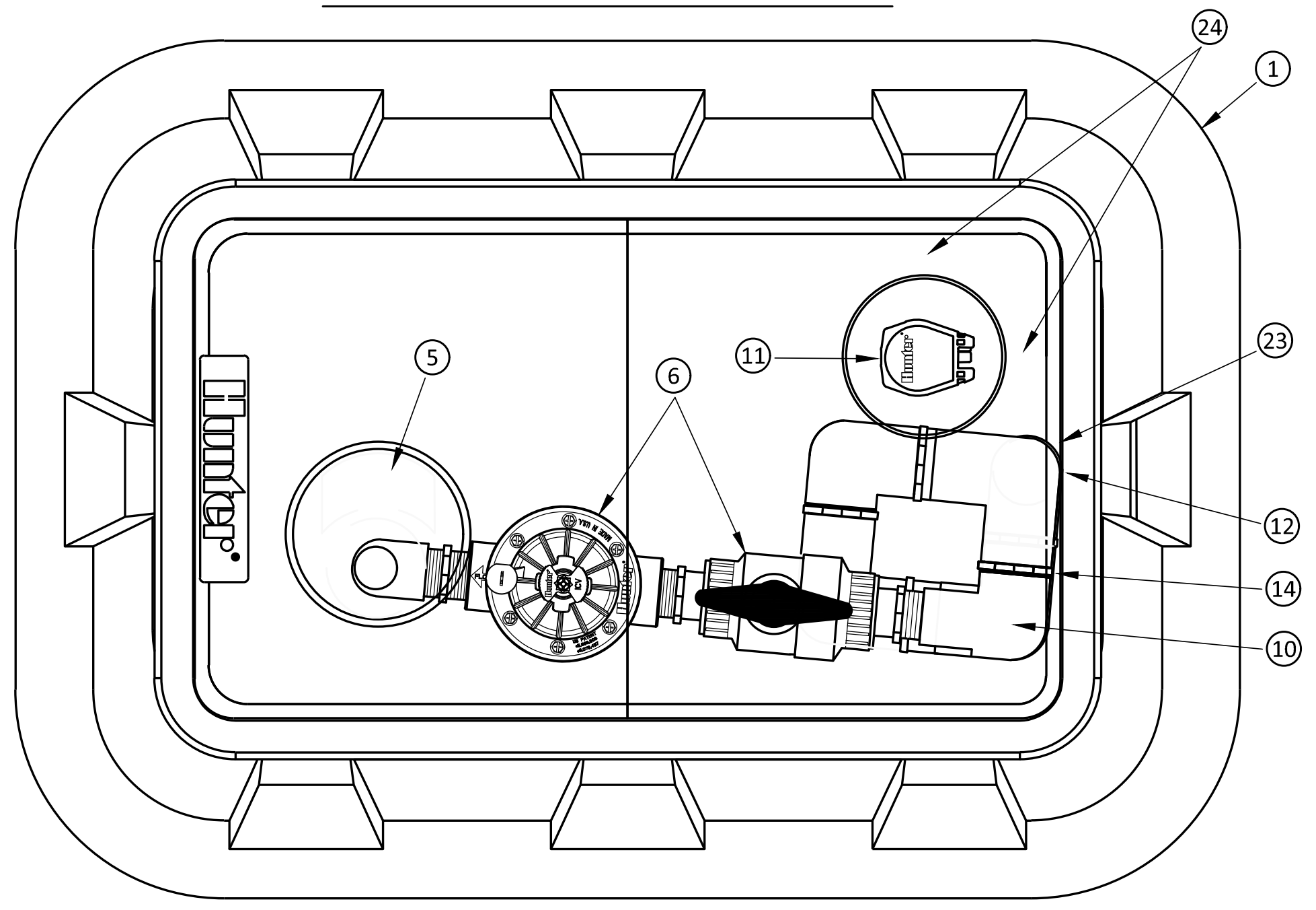

3
F-210
TRACK SURFACING OVER ASPHALT PAVING AND AGGREGATE BASE
CLASS II AGGREGATE BASE
6" TYP
DETECT-A-TAPE (BLUE & RED) SHALL BE 6" BELOW TOP OF TRENCH GRADE OVER EACH PIPE OR CONDUIT (TYP.)
18" MIN. COVER AT LATERAL PIPING; 24" MINIMUM COVER AT MAIN LINE PIPING
LEAN CONCRETE OR CONTROLLED DENSITY FILL
SCH.40 PVC SLEEVE WITH MAIN OR LATERAL LINES & CONTROL WIRES IN SEPARATE CONDUIT &/OR SLEEVE (TYP.)
SUBGRADE
4" MIN.
12"-18"

NOTES:
1. SLEEVE ID SIZE SHALL BE AT LEAST 2 TIMES GREATER THAN OD SIZE OF THE PIPE.
2. WIRES SHALL BE IN SEPARATE CONDUIT SLEEVE.
3. SLEEVES SHALL BE REQUIRED UNDER ALL PAVED AREAS, CURBS, AND SYNTHETIC TURF, AND WHERE SPECIFICALLY SHOWN.

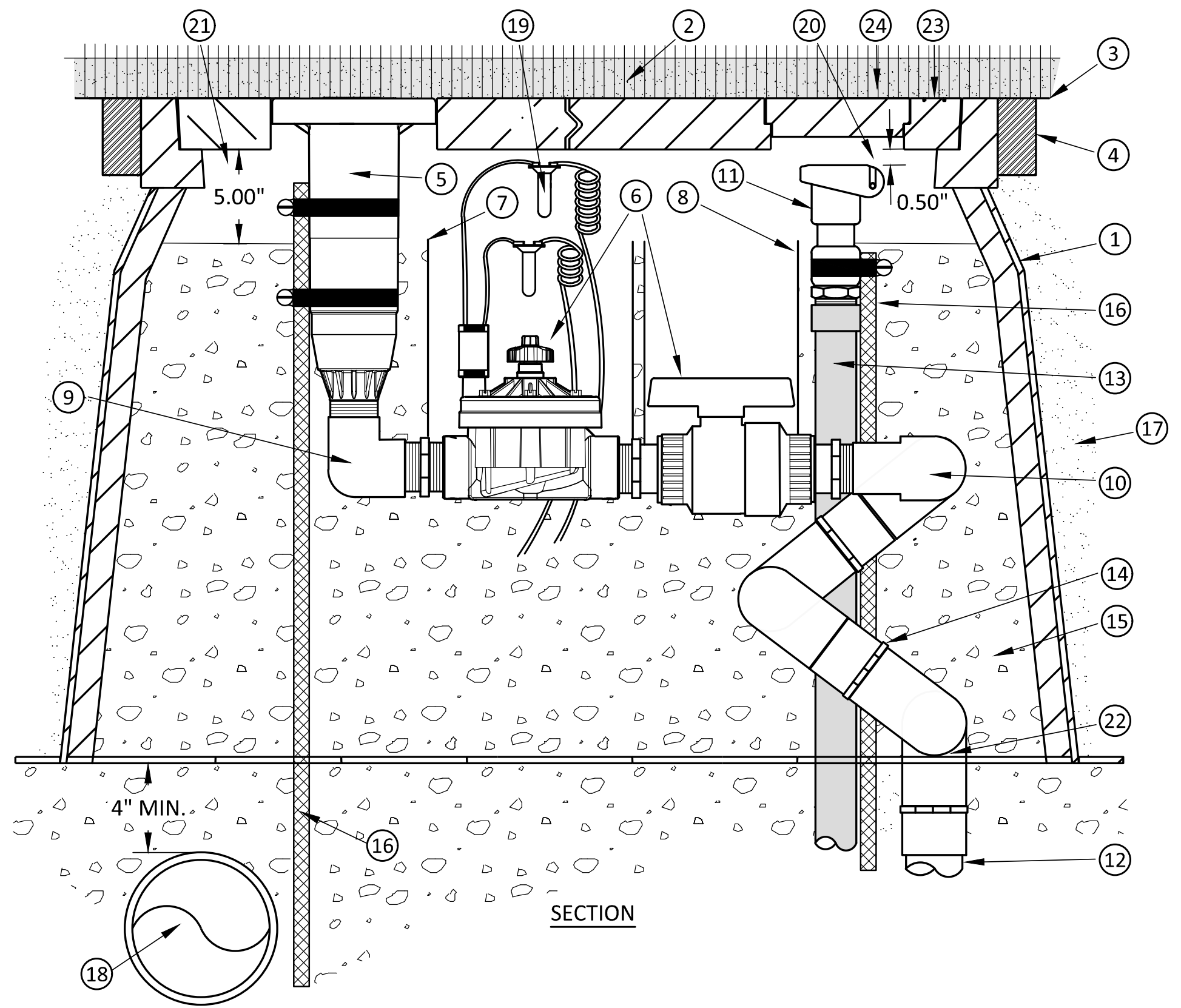
2 F-261 MAINLINE & LATERAL PIPING

NOT TO SCALE

STK-2
SYNTHETIC TURF VAH ROTOR & ENCLOSURE SYSTEM



PLAN VIEW



SECTION

1. HUNTER ST173026B* COMPOSITE BOX & 2-PIECE POLYMER-CONCRETE LID ASSEMBLY WITH CAST-IN OPENING TO SUPPORT ROTOR LATERAL THRUST PLUS CAST IN OPENING WITH CIRCULAR COVER FOR QUICK COUPLER ACCESS
2. SYNTHETIC TURF OR RUNNING TRACK MATERIAL ATTACHED TO COVERS
3. FINISHED GRADE SET TO FIELD PERIMETER TURF NAILER-PARALLEL TO FIELD/TRACK EDGE
4. 2" X 4" TURF NAILER AS PER SPECIFICATION ALL SIDES
5. HUNTER STG-900 WITH RUBBER COVER KIT 473900 INSTALLED
6. HUNTER STVBVFK KIT - INCLUDES HUNTER ICV-151G, 1 ½" BALL VALVE (235 PSI RATED) PLUS ACME PIVOT CONNECTION FITTINGS
7. CONTROL VALVE SLEEVE, 8" DIAMETER X 11" TALL WITH 2 NOTCHED SECTIONS FOR PIPING
8. BALL VALVE SLEEVE, 6" DIAMETER X 11" TALL WITH 2 NOTCHED SECTIONS FOR PIPING
9. HUNTER 239800 ROTOR ADAPTER FITTING WITH 2 ACME PIVOT POINTS
10. HUNTER ST2008VA PREFABRICATED 2" SCH 80 PVC SWING JOINT WITH 6 ACME PIVOT POINTS TO PROVIDE MULTI-AXIS ARTICULATION AND ALIGNMENT OF ROTOR TO THE OPENING IN ENCLOSURE COVER
11. HUNTER HQ5RC QUICK COUPLING VALVE
12. SUPPLY PIPING AND FITTINGS - 3" MINIMUM FROM MAINLINE THROUGH TO ST2008VA SWING JOINT
13. SCH 80 PVC RISER SUPPLY PIPING AND FITTINGS - 1" MINIMUM
14. ACME THREADED PIVOTING POINTS (9 TOTAL)
15. WASHED PEA GRAVEL
16. 5/8" X 30" REBAR STAKE AND STAINLESS STEEL STRAPPING
17. COMPACTED FIELD BASE MATERIAL
18. PROVIDE 4" PERFORATED CPEP LATERAL PIPE TO EXISTING FILED DRAINAGE COLLECTOR
19. WATERPROOF CONNECTIONS PER SPECIFICATION
20. TOP OF QUICK COUPLER SET 1/2" BELOW UNDERSIDE OF ENCLOSURE COVER
21. GRAVEL LEVEL 5" BELOW UNDERSIDE OF ENCLOSURE COVER (TO BOTTOM OF ROTOR'S COMPARTMENT)
22. ELEVATION OF SWING JOINT'S INLET - SET SECOND PIVOT POINT ON SWING JOINT WITH BOTTOM OF ENCLOSURE PER SIDE VIEW DETAIL DRAWING (26" BELOW ENCLOSURE TOP)
23. LOCATION OF SWING JOINT'S INLET - SET INLET AT CENTERLINE EDGE OF ENCLOSURE COVER PER TOP VIEW DETAIL DRAWING. INLET CAN BE SET DIRECTLY BELOW ENCLOSURE RIM AT CENTERLINE. INLET MUST NOT BE SET CLOSER TO ROTOR THAN SHOWN.
24. LOCATION OF QUICK COUPLER INLET PIPING - MEASURE INLET PIPING LOCATION AT TOP RIGHT HAND CORNER OF ENCLOSURE - 5" FROM TOP EDGE AND 5" FROM SIDE EDGE.

*ENCLOSURE DIMENSIONS
2 - PIECE COVER - 17" X 30"
EXPOSED RIM - 20" X 33"
OVERALL HEIGHT - 26"
BASE PAD - 27" X 41"

3 F-261 SYNTHETIC ROTOR HEAD AND VALVE

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

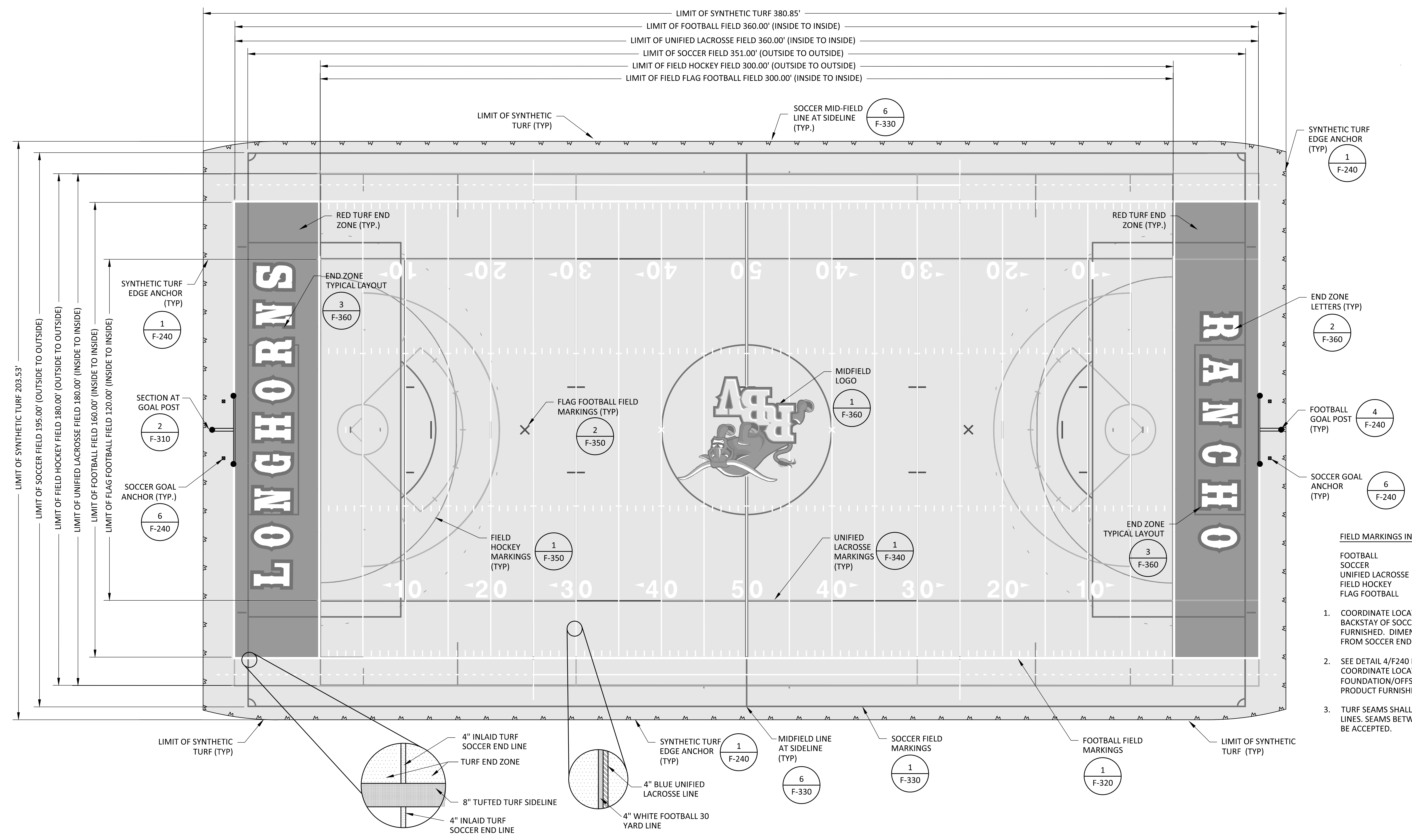
PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln
PLOT DATE:
10-30-23

SHEET TITLE
IRRIGATION & WASHWATER DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-261

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln


LIMIT OF SYNTHETIC TURF 380.85'
LIMIT OF FOOTBALL FIELD 360.00' (INSIDE TO INSIDE)
LIMIT OF UNIFIED LACROSSE FIELD 360.00' (INSIDE TO INSIDE)
LIMIT OF SOCCER FIELD 351.00' (OUTSIDE TO OUTSIDE)
LIMIT OF FIELD HOCKEY FIELD 300.00' (OUTSIDE TO OUTSIDE)
LIMIT OF FIELD FLAG FOOTBALL FIELD 300.00' (INSIDE TO INSIDE)
LIMIT OF SYNTHETIC TURF 203.53'
LIMIT OF SOCCER FIELD 195.00' (OUTSIDE TO OUTSIDE)
LIMIT OF FIELD HOCKEY FIELD 180.00' (OUTSIDE TO OUTSIDE)
LIMIT OF UNIFIED LACROSSE FIELD 180.00' (INSIDE TO INSIDE)
LIMIT OF FOOTBALL FIELD 160.00' (INSIDE TO INSIDE)
LIMIT OF FLAG FOOTBALL FIELD 120.00' (INSIDE TO INSIDE)
LIMIT OF SYNTHETIC TURF (TYP)
SOCCER MID-FIELD LINE AT SIDELINE (TYP.) 6 F-330
SYNTHETIC TURF EDGE ANCHOR (TYP) 1 F-240
RED TURF END ZONE (TYP.)
RED TURF END ZONE (TYP.)
SYNTHETIC TURF EDGE ANCHOR (TYP) 1 F-240
END ZONE TYPICAL LAYOUT 3 F-360
END ZONE LETTERS (TYP) 2 F-360
SECTION AT GOAL POST 2 F-310
MIDFIELD LOGO 1 F-360
FLAG FOOTBALL FIELD MARKINGS (TYP) 2 F-350
FOOTBALL GOAL POST (TYP) 4 F-240
SOCCER GOAL ANCHOR (TYP.) 6 F-240
SOCCER GOAL ANCHOR (TYP) 6 F-240
LONGHORNS
RANCHO
10 20 30 40 50 40 30 20 10
FIELD HOCKEY MARKINGS (TYP) 1 F-350
UNIFIED LACROSSE MARKINGS (TYP) 1 F-340
END ZONE TYPICAL LAYOUT 3 F-360
LIMIT OF SYNTHETIC TURF (TYP)
4" INLAID TURF SOCCER END LINE
TURF END ZONE
8" TUFTED TURF SIDELINE
4" INLAID TURF SOCCER END LINE
4" BLUE UNIFIED LACROSSE LINE
4" WHITE FOOTBALL 30 YARD LINE
SYNTHETIC TURF EDGE ANCHOR (TYP) 1 F-240
MIDFIELD LINE AT SIDELINE (TYP) 6 F-330
SOCCER FIELD MARKINGS 1 F-330
FOOTBALL FIELD MARKINGS 1 F-320
LIMIT OF SYNTHETIC TURF (TYP)

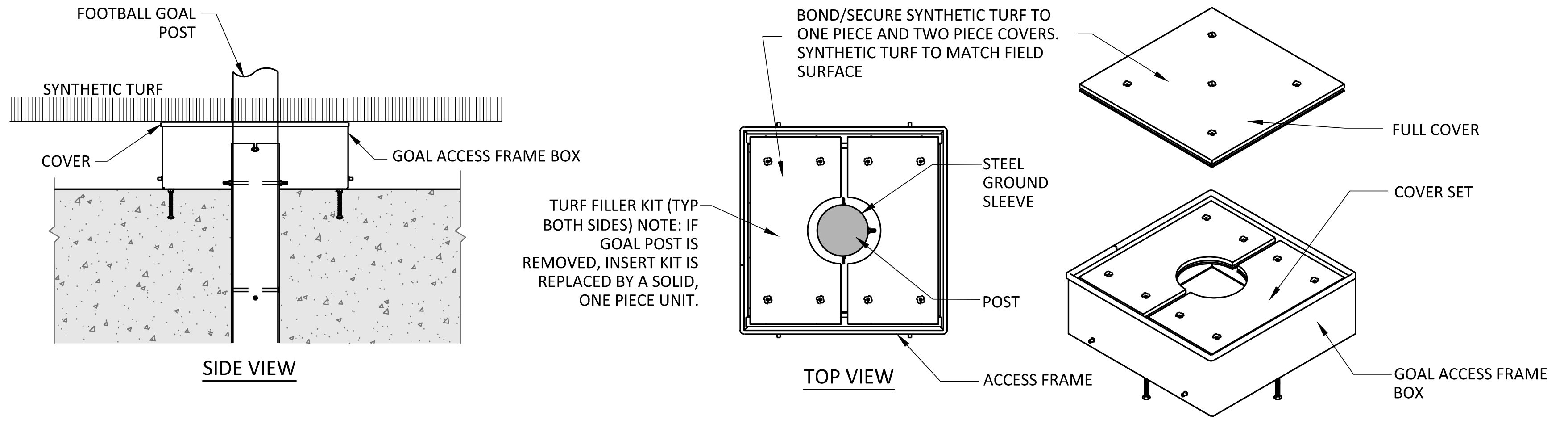
FIELD MARKINGS IN ORDER OF PRIORITY:

FOOTBALL	WHITE LINES
SOCCER	YELLOW LINES
UNIFIED LACROSSE	BLUE LINES
FIELD HOCKEY	BLACK LINES
FLAG FOOTBALL	GREY LINES

1. COORDINATE LOCATION OF SOCCER GOAL ANCHORS WITH BACKSTAY OF SOCCER GOAL WITH ACTUAL PRODUCT FURNISHED. DIMENSION TO BE APPROXIMATELY 9'-0' FROM SOCCER ENDLINE.
2. SEE DETAIL 4/F240 FOR GOAL POST ASSEMBLY. COORDINATE LOCATION OF GOAL POST FOUNDATION/OFFSET WITH MANUFACTURER OF ACTUAL PRODUCT FURNISHED.
3. TURF SEAMS SHALL BE PLACED TO COINCIDE WITH YARD LINES. SEAMS BETWEEN FOOTBALL YARD LINES WILL NOT BE ACCEPTED.

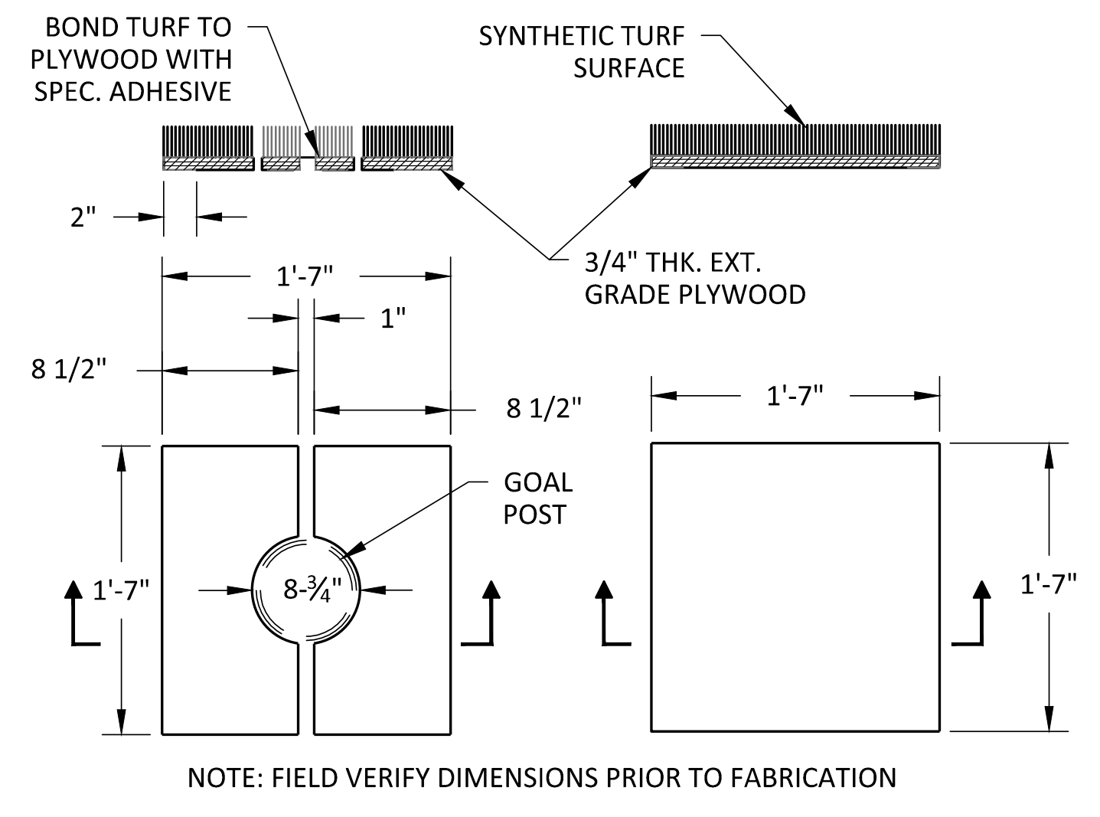
1 F-310 COMPOSITE LAYOUT PLAN

SCALE: 1"=20'


FOOTBALL GOAL POST
SYNTHETIC TURF
COVER
GOAL ACCESS FRAME BOX
SIDE VIEW
BOND/SECURE SYNTHETIC TURF TO ONE PIECE AND TWO PIECE COVERS. SYNTHETIC TURF TO MATCH FIELD SURFACE
TURF FILLER KIT (TYP BOTH SIDES) NOTE: IF GOAL POST IS REMOVED, INSERT KIT IS REPLACED BY A SOLID, ONE PIECE UNIT.
STEEL GROUND SLEEVE
POST
TOP VIEW
ACCESS FRAME
FULL COVER
COVER SET
GOAL ACCESS FRAME BOX

2 F-310 SECTION AT GOAL POST

NOT TO SCALE



NOTE: FIELD VERIFY DIMENSIONS PRIOR TO FABRICATION

GOAL POST COVER TYPE "A"
2 SETS REQ'D AS SHOWN

GOAL POST COVER TYPE "B"
2 SETS REQ'D AS SHOWN

3 F-310 GOAL POST TURF COVER

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

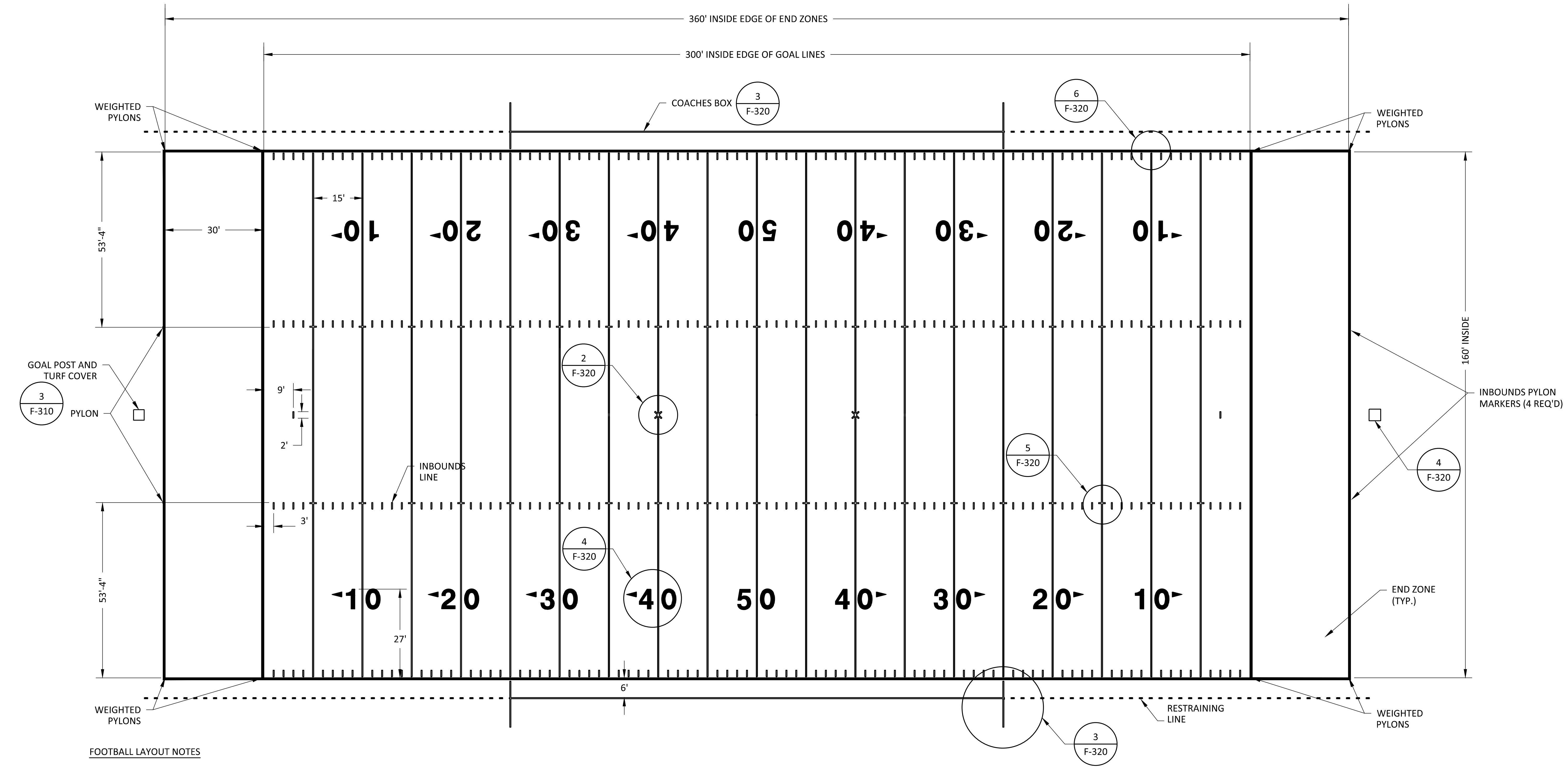
SHEET TITLE

COMPOSITE
LAYOUT PLAN &
DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-310

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

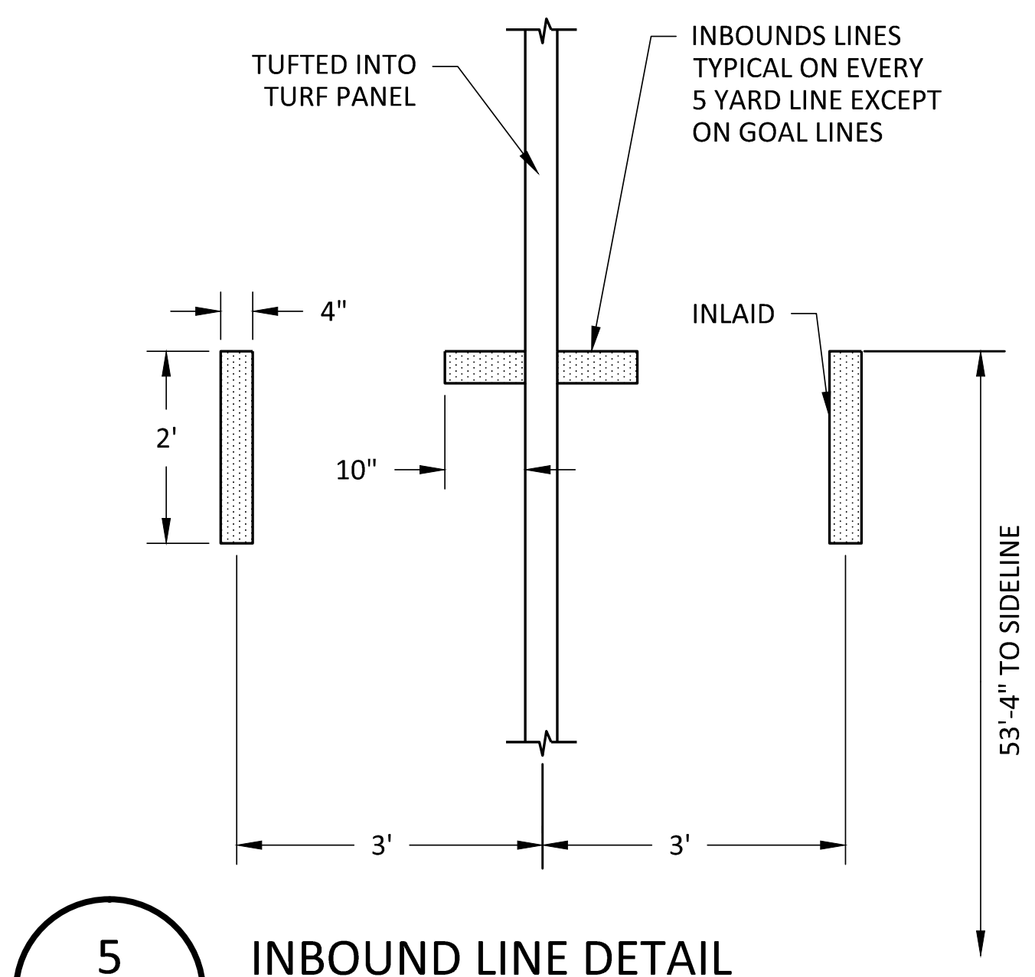


FOOTBALL LAYOUT NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
2. ALL LINE WORK IS TO BE LAID OUT WITH A TOLERANCE OF 1/4 INCH.
3. ALL YARDLINES SHALL BE 4 INCH, WHITE, TUFTED INTO THE TURF PANELS, THE GOAL LINES SHALL BE 8" TUFTED INTO THE TURF PANELS.
4. AN 8 INCH WHITE LINE, TUFTED INTO THE TURF, WILL SURROUND THE ENTIRE PLAYING FIELD.
5. 24 INCH SHORT YARDLINE EXTENSIONS, 4 INCHES FROM THE SIDELINES SHALL BE 4 INCHES WIDE, WHITE, INLAID LINES.
6. THE COACHING BOX AND TEAM AREA SHALL BE PER NFHS RULES.
7. THE TWO SETS OF INBOUNDS LINES ARE 53 FEET 4 INCHES FROM THE SIDELINES. INBOUNDS LINES AND SHORT YARDLINE EXTENSIONS SHALL BE 24 INCHES LONG AND 4 INCHES WIDE, INLAID, WHITE LINES.
8. THE 3-YARD LINES ARE 24 INCHES LONG, 4 INCHES WIDE, WHITE INLAID LINES AT THE CENTERLINE OF THE FIELD AND THE 3 YARDLINE ON EACH END OF THE FIELD. REFER TO PLAN FOR LOCATION.
9. WHITE YARDLINE NUMBERS MEASURING 6 FEET IN HEIGHT AND 4 FEET IN WIDTH WITH THE TOP OF THE NUMBERS 27 FEET FROM THE SIDELINES ARE INLAID TURF.
10. DIRECTIONAL ARROWS POINT TOWARD RESPECTIVE ENDZONES. ARROWS ARE WHITE, INLAID TURF. THERE ARE NO ARROWS ON THE 50 YARDLINE.
11. AN X WILL MARK THE SPOT OF THE KICKOFF AT THE 40 YARDLINE ON EACH END OF THE FIELD. THE 40 YARDLINE SHALL BE WHITE TURF TUFTED INTO THE TURF PANELS AND THE EXTENSIONS FROM THE X SHALL BE INLAID WHITE TURF.
12. PYLON LOCATIONS AT THE INTERSECTIONS OF THE GOAL LINES AND THE END LINES WITH THE SIDELINES, AND THE END LINES AND THE EXTENSION OF THE INBOUNDS LINE SHALL BE 4 INCHES BY 4 INCHES. THE PYLONS SHALL BE FREESTANDING, WEIGHTED TYPE.
13. THE 50 YARDLINE SHALL BE OUTLINED IN YELLOW INLAID TURF ON EACH SIDE OF THE WHITE YARDLINE.
14. A 4 INCH WIDE RESTRAINING LINE SHALL BE PLACED, AT LEAST 2 YARDS FROM THE SIDE AND ENDLINES, AS AN EXTENSION OF THE TEAM BOX AREA. THE RESTRAINING LINE SHALL BE 12 INCH LONG LINES, SEPARATED AT 24 INCH INTERVALS.

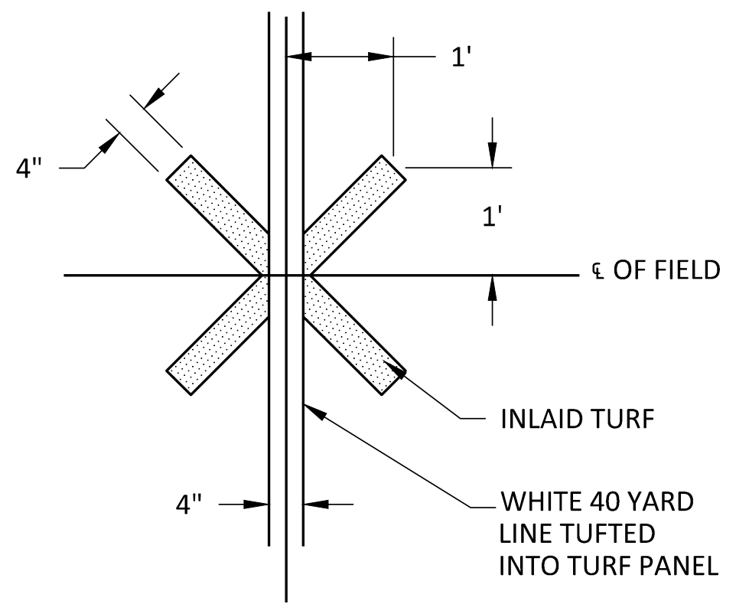
1 F-320 FOOTBALL LAYOUT MARKING PLAN

SCALE: 1"=20'


TUFTED INTO TURF PANEL
INBOUNDS LINES TYPICAL ON EVERY 5 YARD LINE EXCEPT ON GOAL LINES
4"
2'
10"
INLAID
53'-4" TO SIDELINE
3'
3'

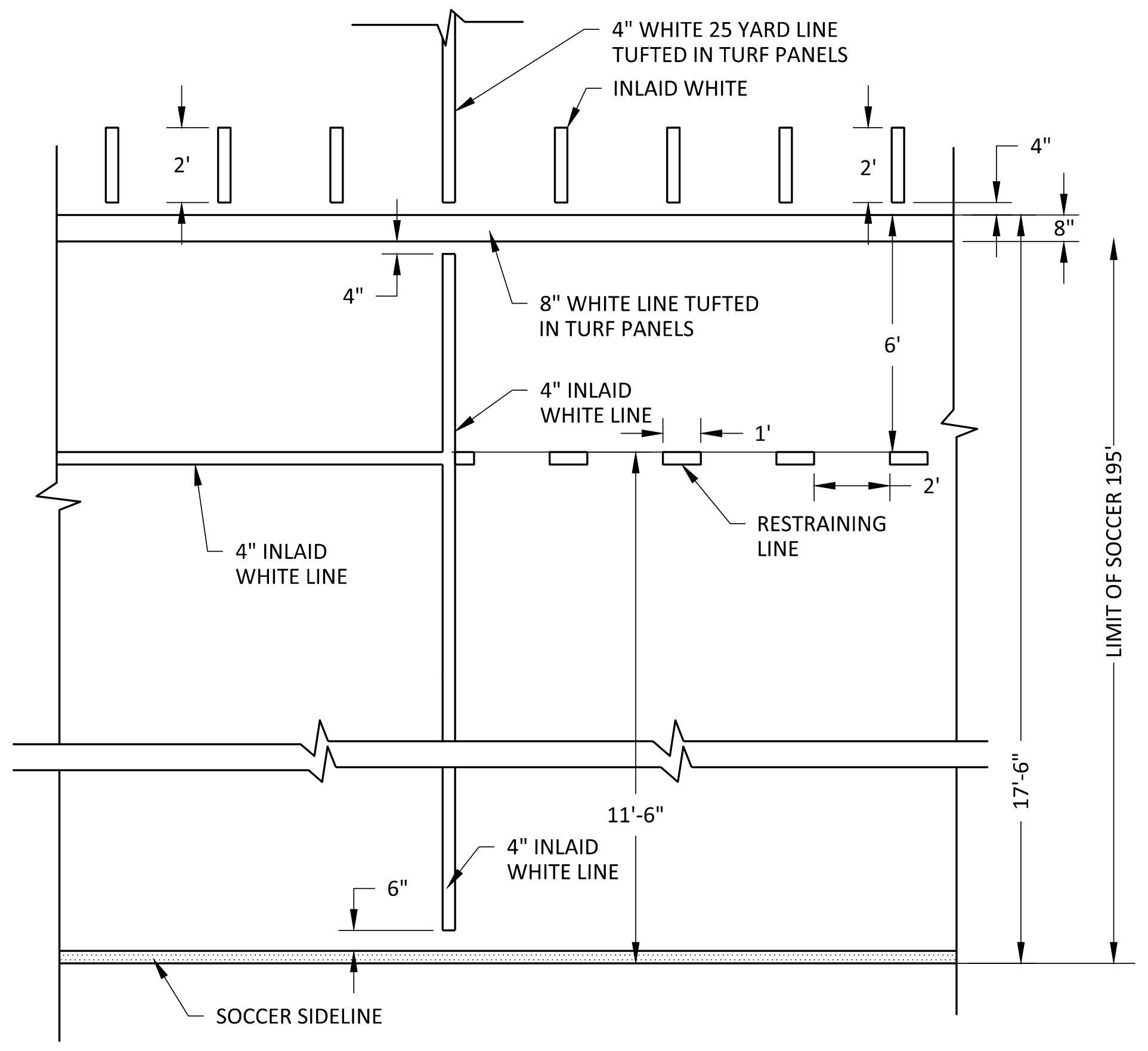
5 F-320 INBOUND LINE DETAIL

NOT TO SCALE



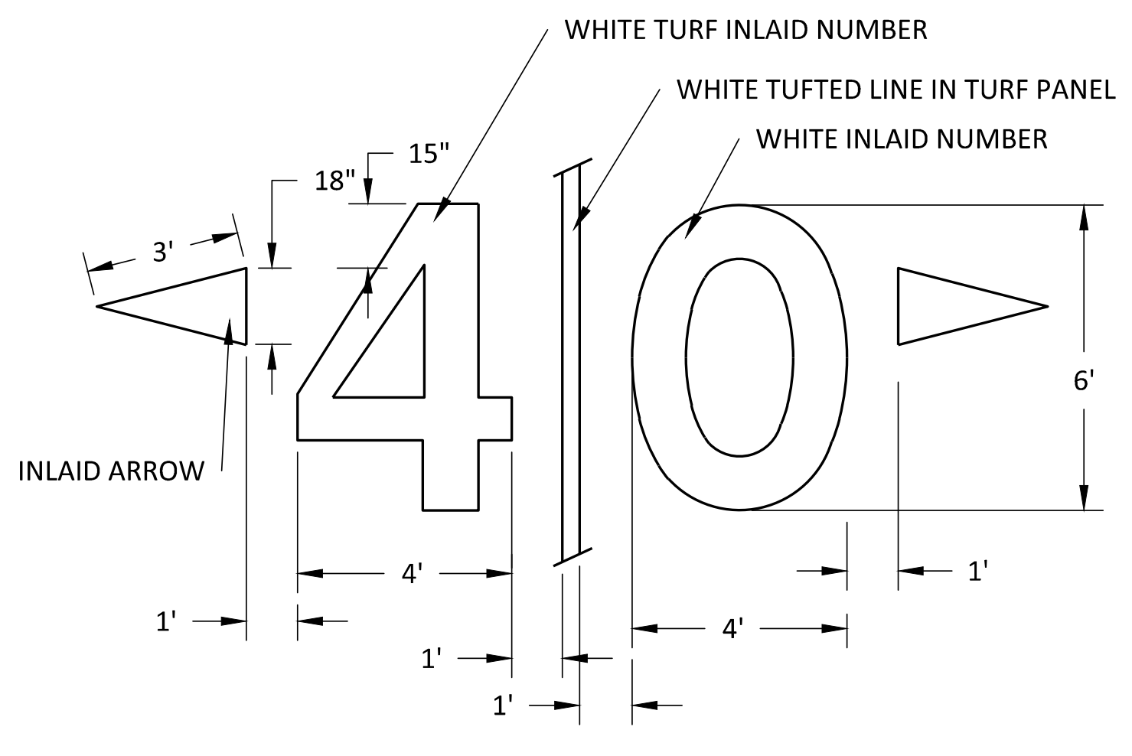
2 F-320 KICK-OFF MARKER

NOT TO SCALE



3 F-320 COACHES BOX DETAIL

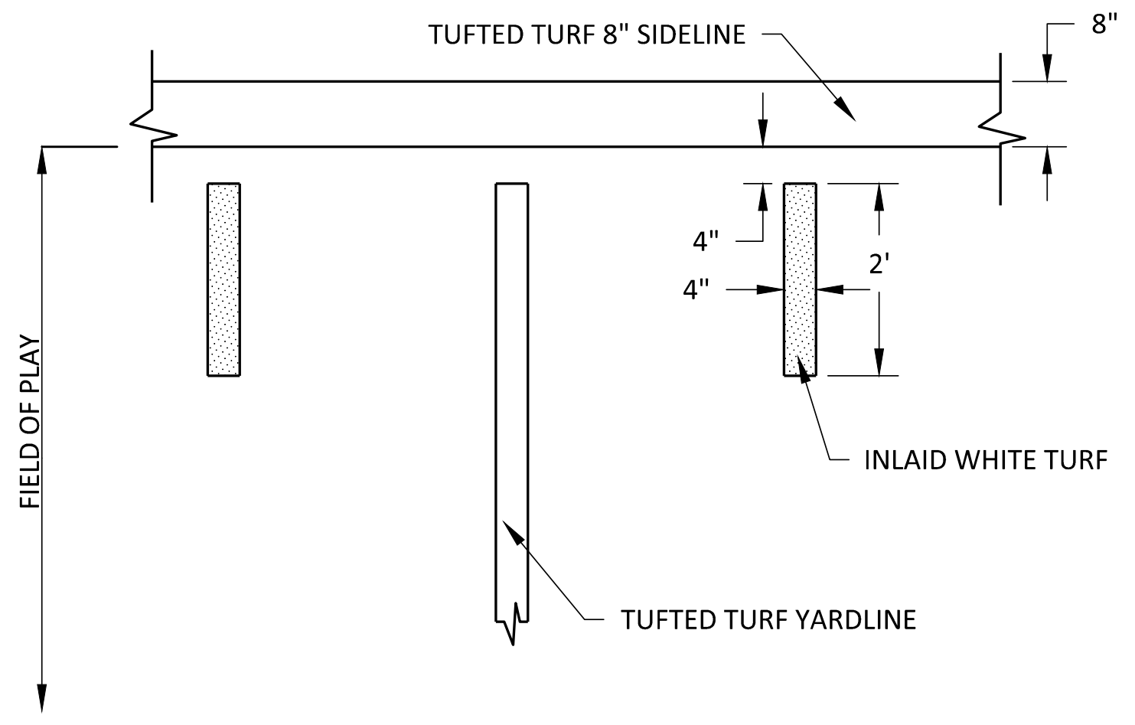
NOT TO SCALE



NOTE: USE APPROPRIATE DIRECTIONAL ARROW AS REQUIRED

4 F-320 YARDLINE NUMBER DETAIL

NOT TO SCALE



6 F-320 SIDE LINE DETAIL

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-25-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

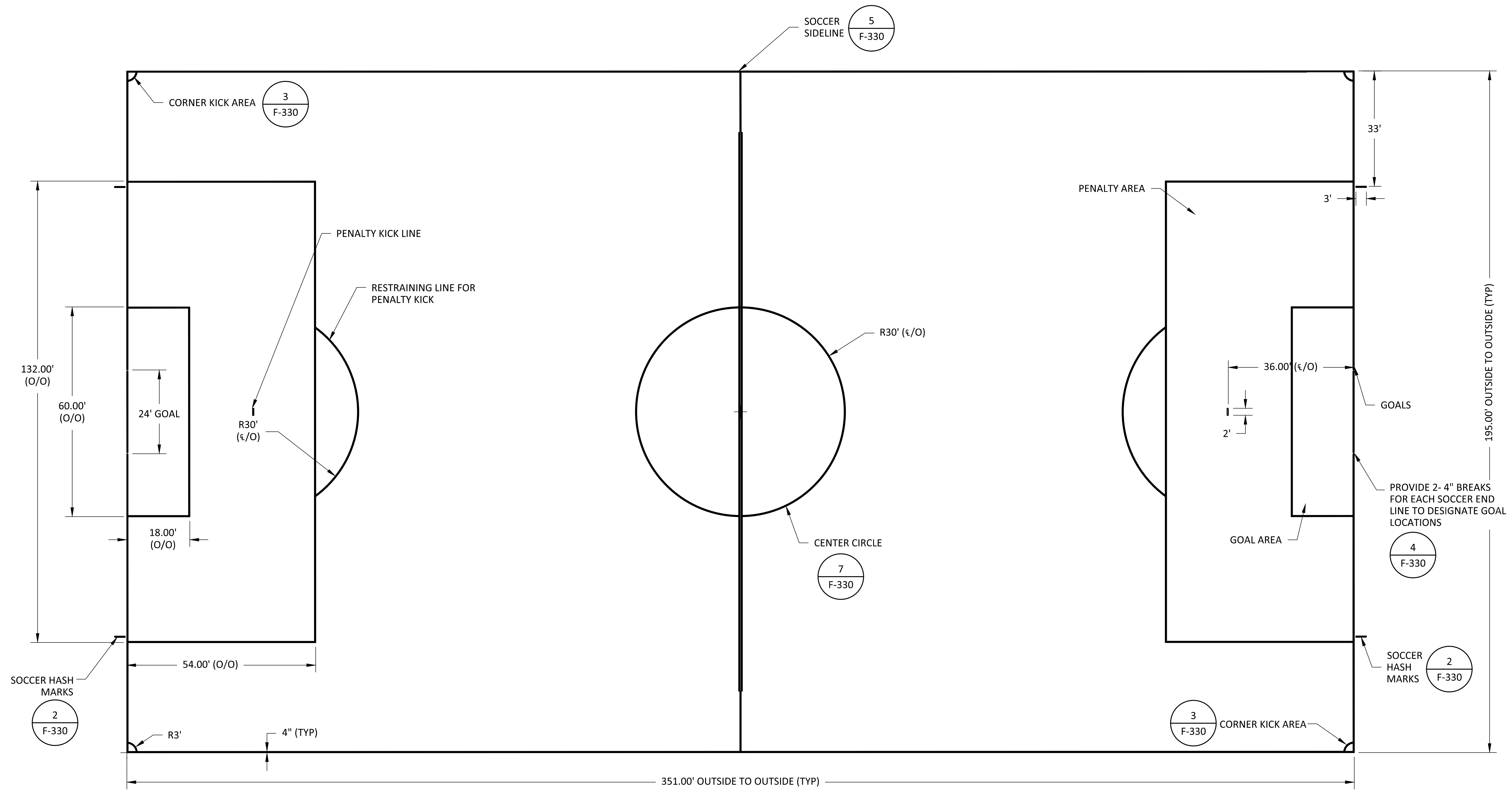
PLOT DATE:
10-30-23

SHEET TITLE

FOOTBALL
LAYOUT PLAN &
DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

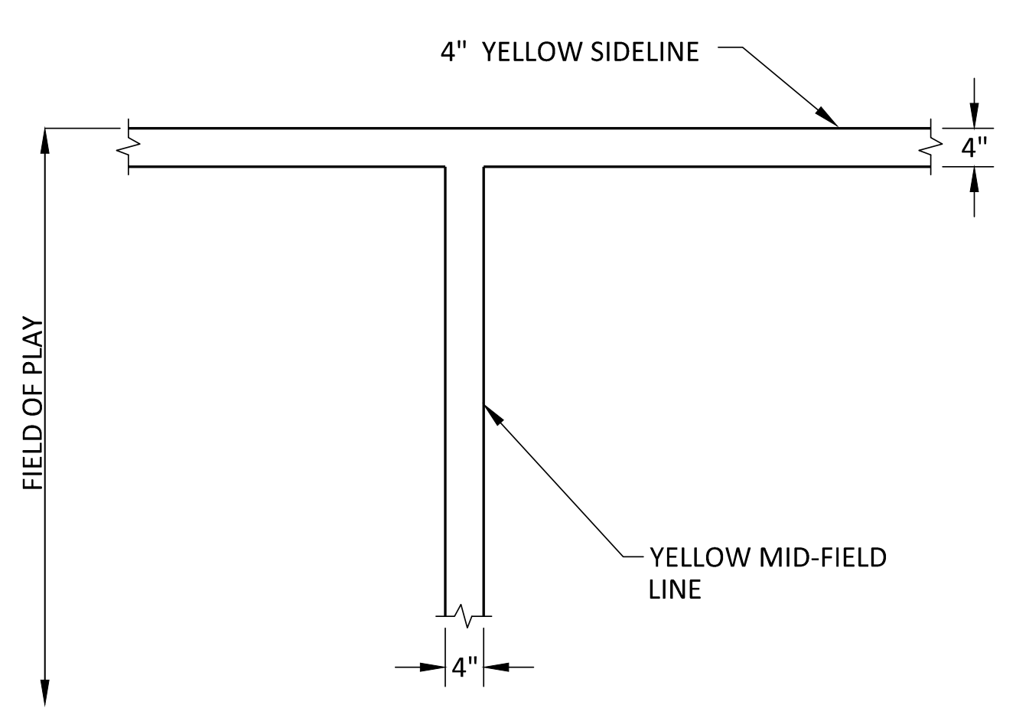
F-320



1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS. ALL LINE WORK IS TO BE LAID OUT WITH A TOLERANCE OF 1/4 INCH.
2. ALL SOCCER LINES ARE 4 INCH YELLOW/GOLD INLAID TURF AS DIMENSIONED ON SOCCER LAYOUT PLAN.
3. THE SOCCER GOAL AREA IS 18 FEET BY 60 FEET. REFER TO PLAN FOR LOCATION.
4. THE SOCCER PENALTY AREA IS 54 FEET BY 132 FEET.
5. THE PENALTY MARK IS A 2 FOOT LINE, 4 INCHES WIDE, 36 FEET FROM THE END LINE AND CENTERED ON THE GOAL. THE RESTRAINING LINE FOR PENALTY KICK IS AN ARC 30 FEET FROM THIS MARK OUTSIDE OF THE PENALTY AREA. REFER TO PLAN FOR LOCATION.
6. THE HALFWAY LINE FOR THE SOCCER FIELD IS A 4 INCH YELLOW INLAID LINE WITH A CIRCLE, 30 FEET IN RADIUS IN THE CENTER OF THE FIELD. THE RADIUS POINT OF THE MIDFIELD CIRCLE WILL BE INLAID YELLOW DOT WITH A 9 INCH DIAMETER. THE FOOTBALL LINES WILL PASS THROUGH THE SOCCER LINES. THE 50 YARD LINE OF THE FOOTBALL FIELD WILL BE WHITE WITH 4 INCHES OF YELLOW INLAID TURF ON EACH SIDE AND WILL EXTEND TO THE SIDELINE OF THE FOOTBALL FIELD.
7. THE SOCCER LINE WILL EXTEND BEYOND THE FOOTBALL SIDELINE BEGINNING 4 INCHES OUTSIDE AN ASSUMED 4 INCH SIDELINE AND EXTENDING THROUGH THE OFFICIALS/COACHES AREA AND TEAM BOXES.
8. THE CORNERS OF THE SOCCER FIELD SHALL HAVE A 3 FOOT RADIUS IN YELLOW TURF DESIGNATING THE CORNER KICK AREA. THE HASH MARK IS A 3 FOOT LINE, 4 INCHES WIDE, 33 FEET FROM THE SIDE LINE AND EXTENDS AWAY FROM THE FIELD OF PLAY.

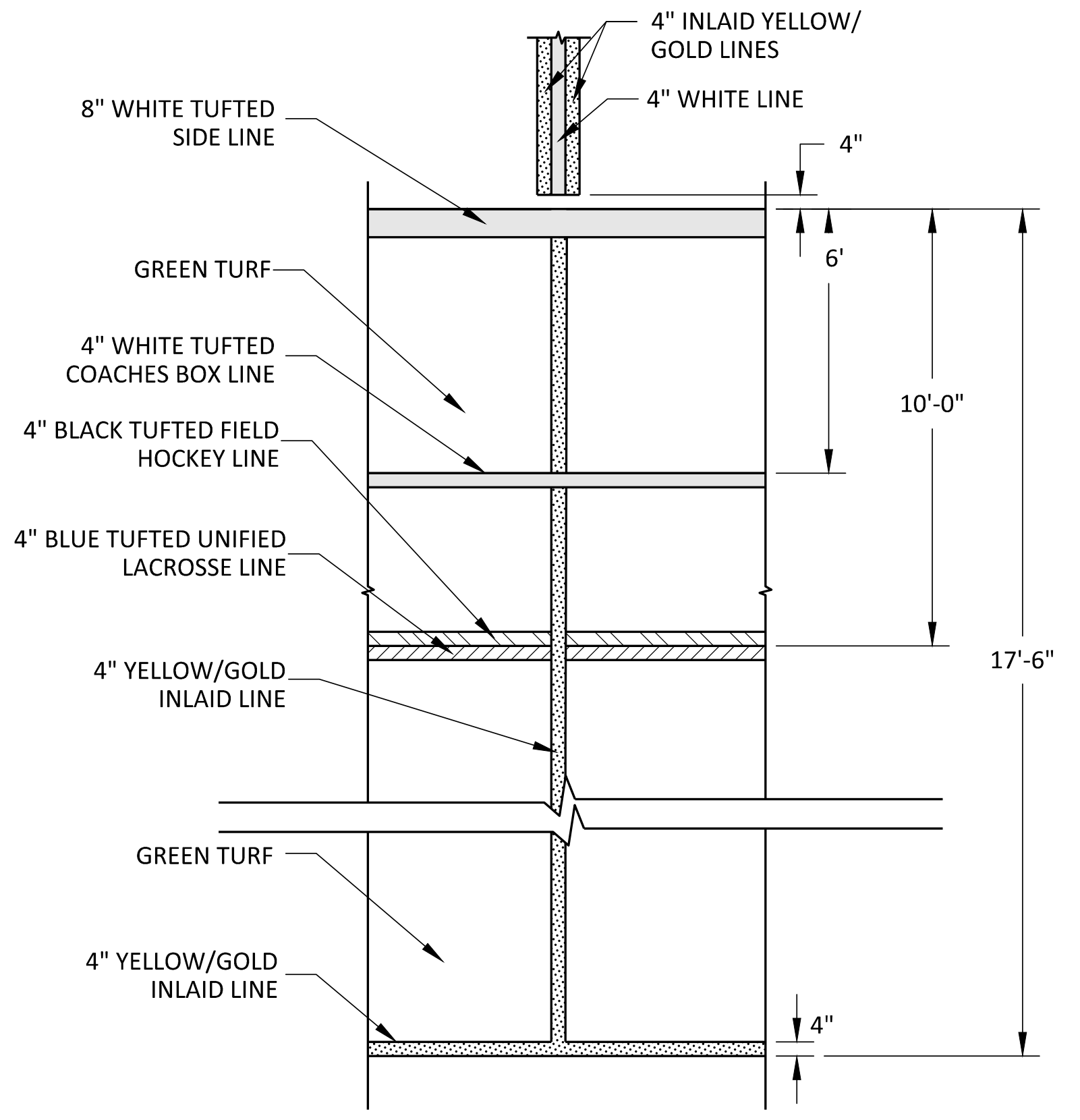
1 F-330 SOCCER LAYOUT PLAN

SCALE: 1"=20'



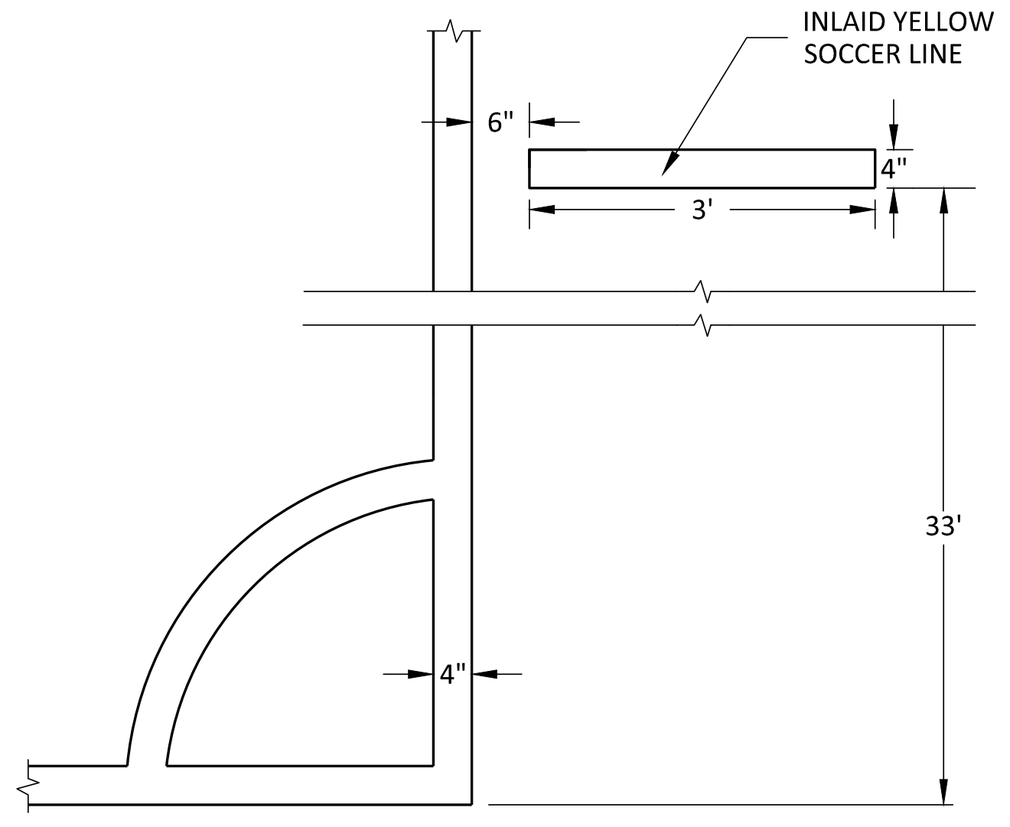
5 F-330 SOCCER SIDELINE

NOT TO SCALE


4" INLAID YELLOW/ GOLD LINES
4" WHITE LINE
8" WHITE TUFTED SIDE LINE
4"
6'
GREEN TURF
4" WHITE TUFTED COACHES BOX LINE
10'-0"
4" BLACK TUFTED FIELD HOCKEY LINE
4" BLUE TUFTED UNIFIED LACROSSE LINE
17'-6"
4" YELLOW/GOLD INLAID LINE
GREEN TURF
4" YELLOW/GOLD INLAID LINE
4"

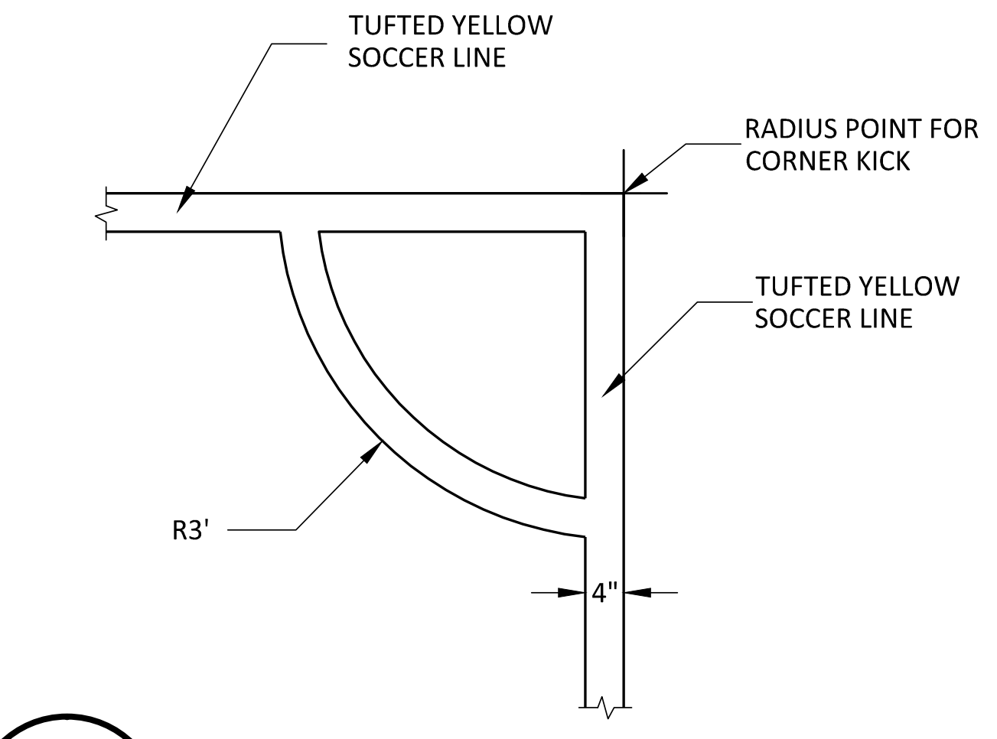
6 F-330 MID-FIELD LINE AT SIDELINE

NOT TO SCALE



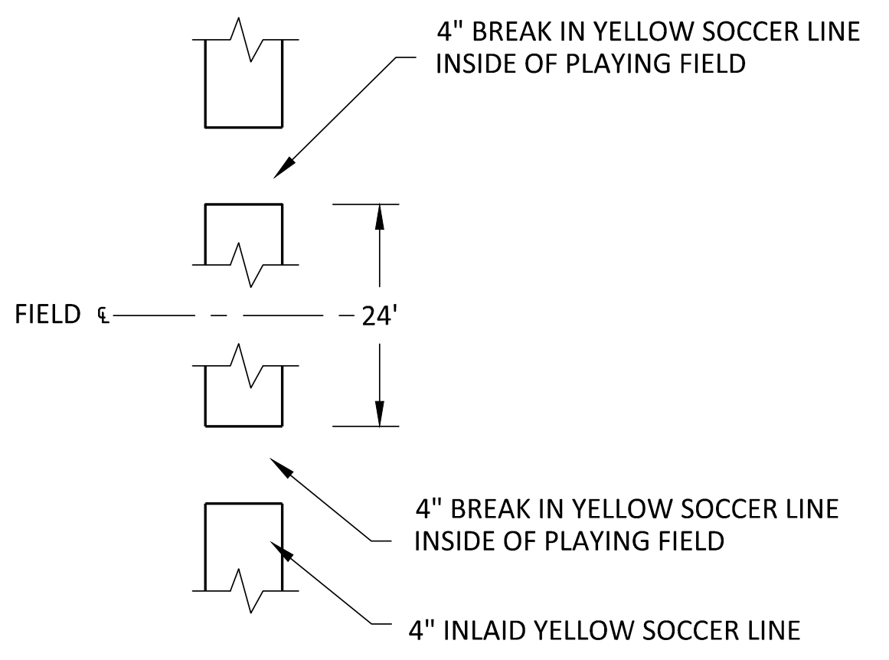
2 F-330 SOCCER HASH MARKS

NOT TO SCALE


TUFTED YELLOW SOCCER LINE
RADIUS POINT FOR CORNER KICK
TUFTED YELLOW SOCCER LINE
R3'
4"

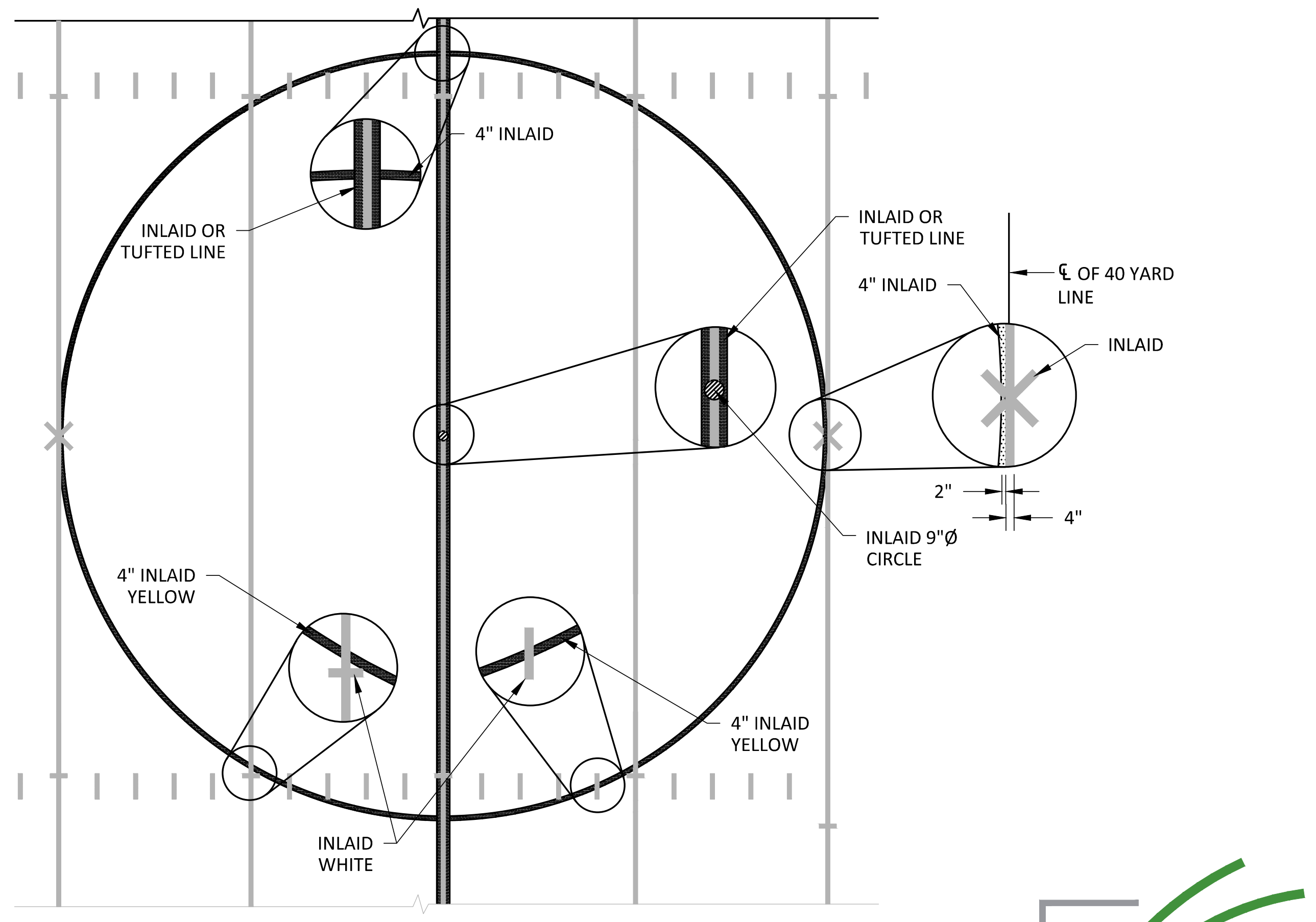
3 F-330 CORNER KICK DETAIL

NOT TO SCALE


4" BREAK IN YELLOW SOCCER LINE INSIDE OF PLAYING FIELD
FIELD ℄
24'
4" BREAK IN YELLOW SOCCER LINE INSIDE OF PLAYING FIELD
4" INLAID YELLOW SOCCER LINE

4 F-330 SOCCER GOAL ALIGNMENT SQUARES

NOT TO SCALE



7 F-330 SOCCER CIRCLE AND MID-FIELD LINE

NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

SHEET TITLE

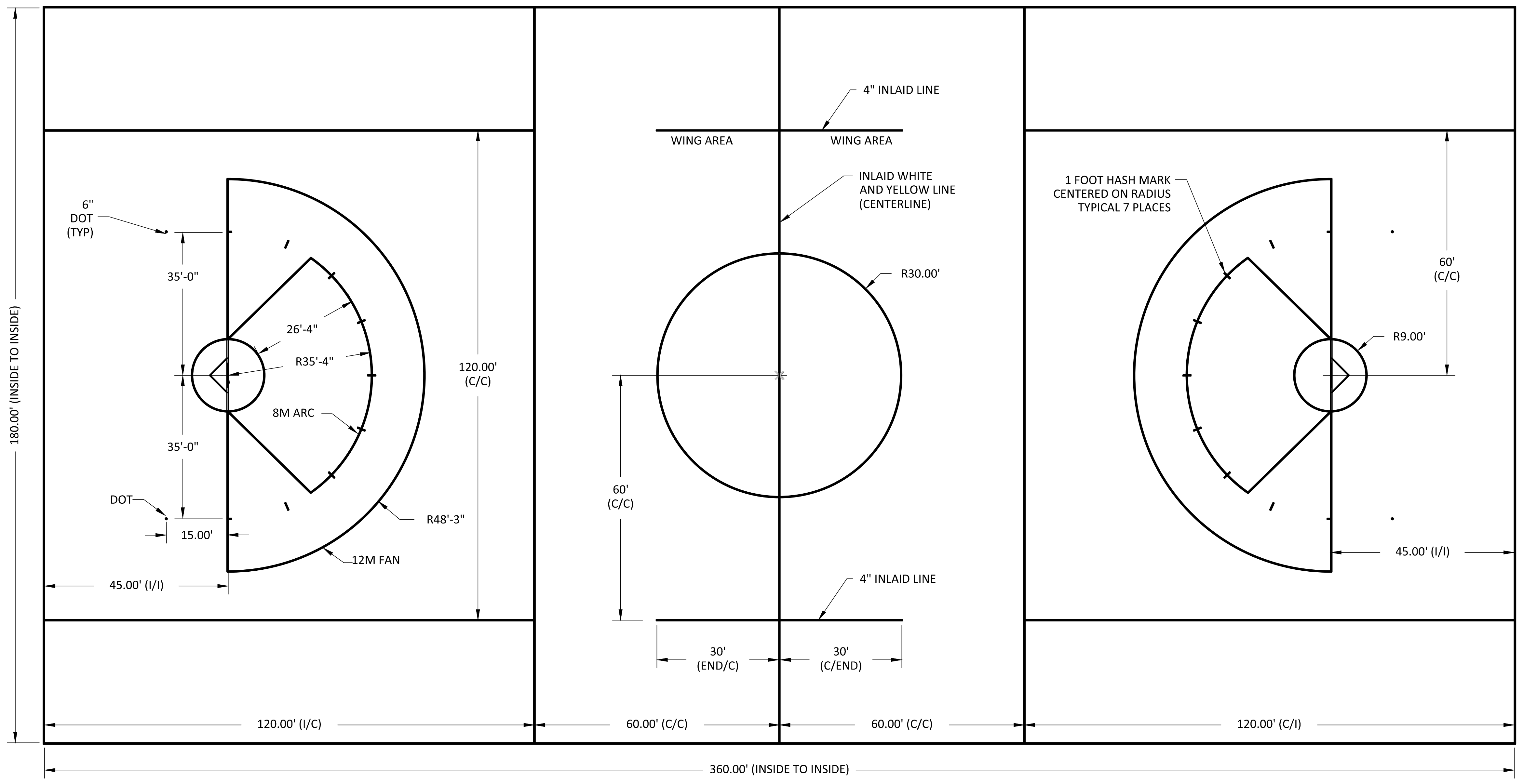
SOCCER
LAYOUT PLAN &
DETAILS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-330

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln



NOTES:
1. ALL LINES SHALL BE 4" BLUE LINES UNLESS OTHERWISE NOTED.
2. LACROSSE LINES SHALL BE SECONDARY TO FOOTBALL AND SOCCER FIELDS.

1
F-340
UNIFIED LACROSSE LAYOUT PLAN
SCALE: 1"=20'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD
REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

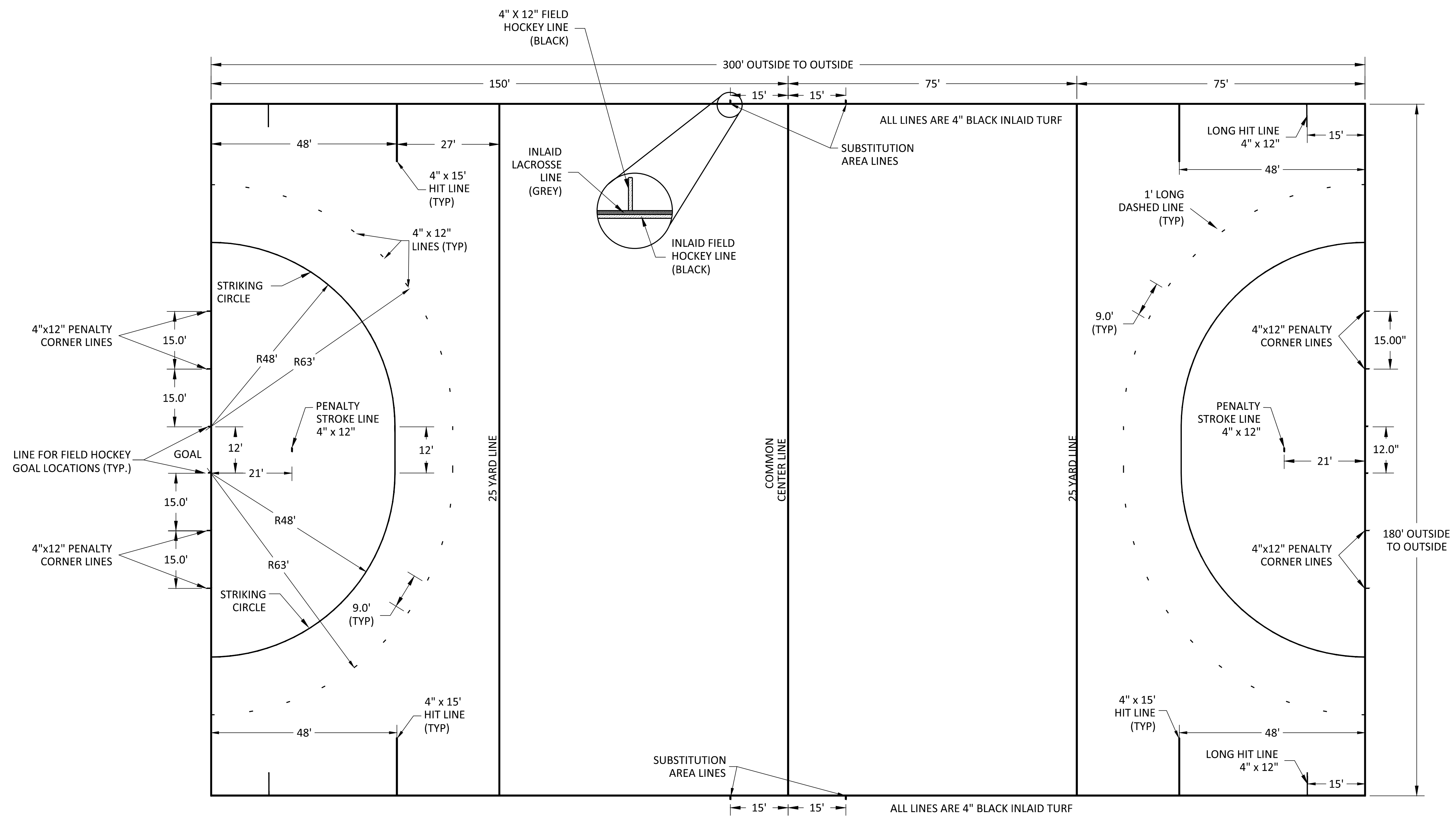
PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln
PLOT DATE:
10-30-23

SHEET TITLE
LACROSSE
LAYOUT PLANS

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-340

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln



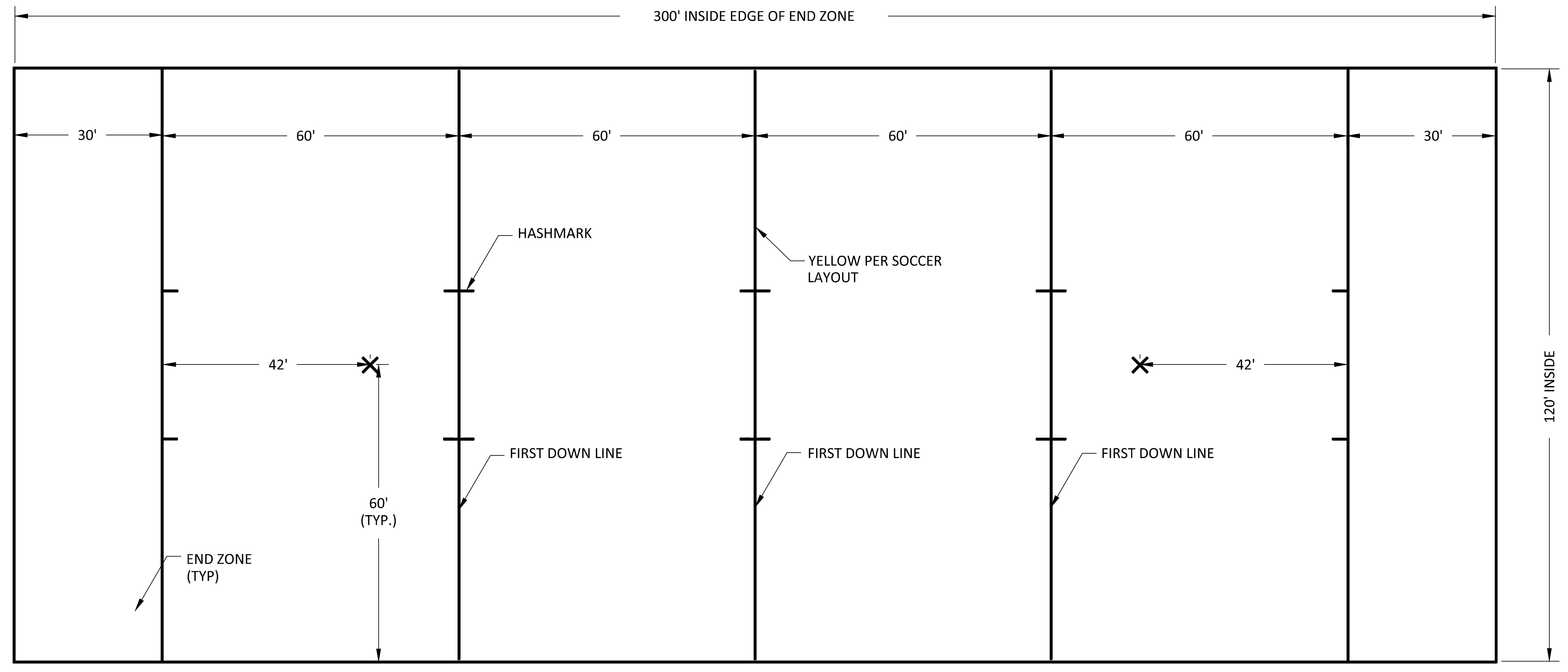
NOTES

1. FIELD HOCKEY SHALL BE 4" BLACK TUFTED LINES.
2. DASHED LINES SHALL BE 1 FOOT IN LENGTH.
   THE GAP BETWEEN THE DASHED LINES SHALL BE 9 FEET IN LENGTH.
3. FOOTBALL SIDELINE SHALL BE DESIGNATED AS THE GOALTENDER SUBSTITUTION AREA.

1
F-350

FIELD HOCKEY LAYOUT PLAN

SCALE: 1"=20'



FLAG FOOTBALL LAYOUT NOTES

1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS.
2. ALL LINE WORK IS TO BE LAID OUT WITH A TOLERANCE OF 1/4 INCH.
3. ALL YARDLINES SHALL BE 4 INCH, GREY, TUFTED INTO THE TURF PANELS.
4. A 4 INCH GREY LINE, TUFTED INTO THE TURF, WILL SURROUND THE ENTIRE PLAYING FIELD.
5. AN X WILL MARK THE SPOT OF THE KICKOFF 14 YARDS OFF THE GOAL LINE ON EACH END OF THE FIELD.
6. HASHMARKS SHALL RUN PARALLEL WITH EACH SIDELINE, LOCATED 15 YARDS "IN" FROM EACH SIDELINE.
7. ALL FLAG FOOTBALL LINES WILL BE SECONDARY TO FOOTBALL FIELD LINES.

2
F-350

FLAG FOOTBALL LAYOUT

SCALE: 1"=20'

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

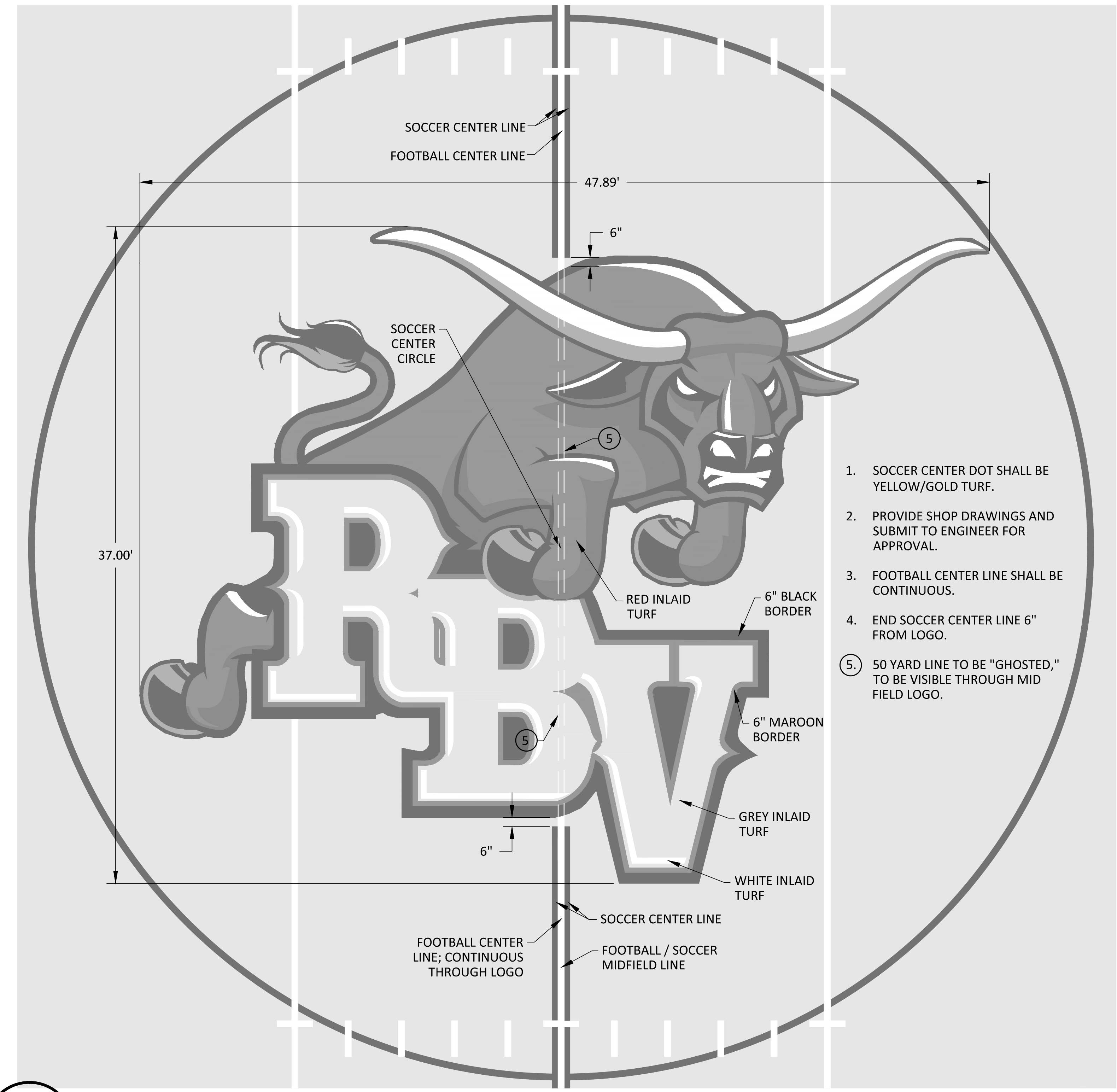
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

SHEET TITLE

FIELD HOCKEY
AND FLAG
FOOTBALL
LAYOUT PLAN

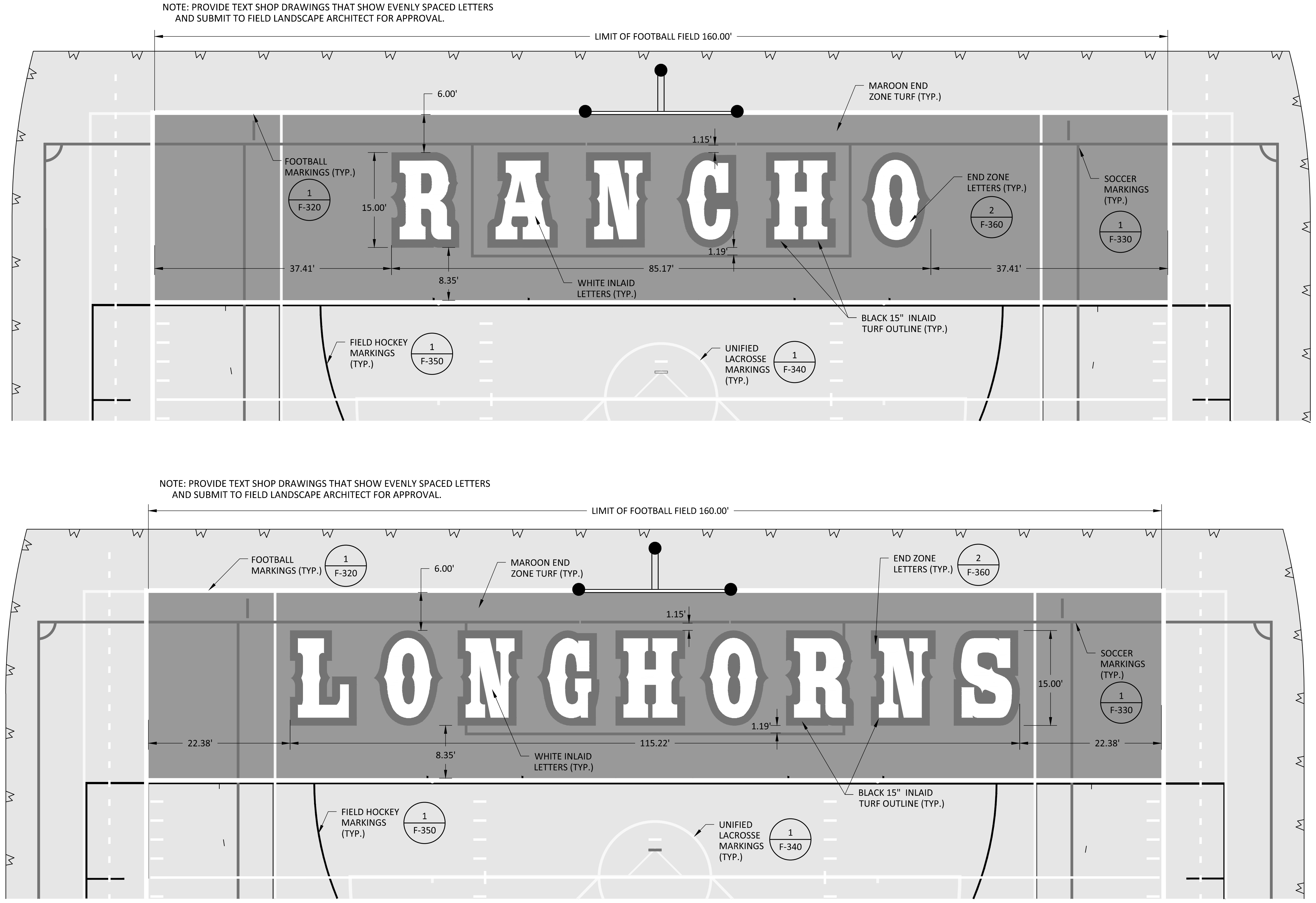
DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com



1. SOCCER CENTER DOT SHALL BE YELLOW/GOLD TURF.
2. PROVIDE SHOP DRAWINGS AND SUBMIT TO ENGINEER FOR APPROVAL.
3. FOOTBALL CENTER LINE SHALL BE CONTINUOUS.
4. END SOCCER CENTER LINE 6" FROM LOGO.
5. (5.) 50 YARD LINE TO BE "GHOSTED," TO BE VISIBLE THROUGH MID FIELD LOGO.

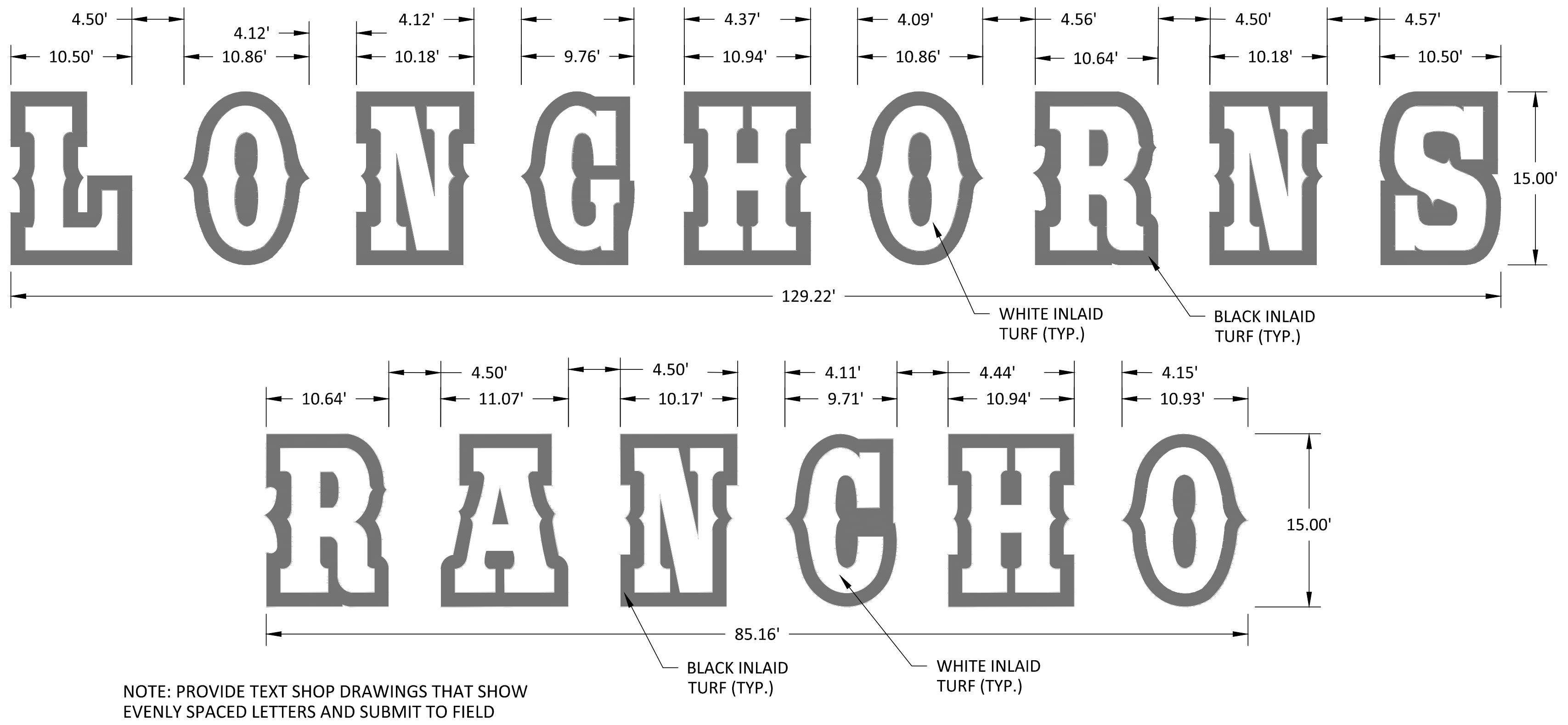
1
F-360
MID-FIELD LOGO
SCALE: 1"=5'

NOTE: PROVIDE TEXT SHOP DRAWINGS THAT SHOW EVENLY SPACED LETTERS AND SUBMIT TO FIELD LANDSCAPE ARCHITECT FOR APPROVAL.


LIMIT OF FOOTBALL FIELD 160.00'
6.00'
MAROON END ZONE TURF (TYP.)
1.15'
FOOTBALL MARKINGS (TYP.)
1
F-320
15.00'
RANCHO
END ZONE LETTERS (TYP.)
2
F-360
SOCCER MARKINGS (TYP.)
1
F-330
1.19'
37.41'
85.17'
37.41'
8.35'
WHITE INLAID LETTERS (TYP.)
BLACK 15" INLAID TURF OUTLINE (TYP.)
FIELD HOCKEY MARKINGS (TYP.)
1
F-350
UNIFIED LACROSSE MARKINGS (TYP.)
1
F-340
LIMIT OF FOOTBALL FIELD 160.00'
FOOTBALL MARKINGS (TYP.)
1
F-320
6.00'
MAROON END ZONE TURF (TYP.)
END ZONE LETTERS (TYP.)
2
F-360
1.15'
LONGHORNS
15.00'
SOCCER MARKINGS (TYP.)
1
F-330
1.19'
22.38'
115.22'
22.38'
8.35'
WHITE INLAID LETTERS (TYP.)
BLACK 15" INLAID TURF OUTLINE (TYP.)
FIELD HOCKEY MARKINGS (TYP.)
1
F-350
UNIFIED LACROSSE MARKINGS (TYP.)
1
F-340

NOTE: PROVIDE TEXT SHOP DRAWINGS THAT SHOW EVENLY SPACED LETTERS AND SUBMIT TO FIELD LANDSCAPE ARCHITECT FOR APPROVAL.

3
F-360
END-ZONE TYPICAL
SCALE: 1"=20'



NOTE: PROVIDE TEXT SHOP DRAWINGS THAT SHOW EVENLY SPACED LETTERS AND SUBMIT TO FIELD LANDSCAPE ARCHITECT FOR APPROVAL.

2
F-360
END-ZONE LETTER DETAIL
NOT TO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

Robert S. Harding No. 4760
Signature
7-31-26
Renewal Date
10-30-23
Date

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015

MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

SHEET TITLE

END ZONE
LETTERS &
CENTER FIELD
LOGO

DA HOGAN
1450 114th Ave. SE, Suite 225
Bellevue, WA 98004
p. 206.285.0400
www.dahogan.com

F-360

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: 04-122813
DSA File Number:
School Name: Football Goal Posts PC Renewal
Increment Number:
School District: Sportsfield Specialties
Date Created: 2023-11-06 10:05:26

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required **Periodic** – Indicates that a periodic special inspection is required **Test** – Indicates that a test is required	**GE (Geotechnical Engineer)** – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. **LOR (Laboratory of Record)** – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. **PI (Project Inspector) –** Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. **SI (Special Inspection)** – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DIVISION OF THE STATE ARCHITECT
DGS DSA 103-22 (Revised 12/01/2022)
DEPARTMENT OF GENERAL SERVICES
Page 1 of 17
STATE OF CALIFORNIA

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	S1. GENERAL:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	**See Notes**	**PI**	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.

	S4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Note**
☑	**a.** Inspect drilling operations and maintain complete and accurate records for each pier.	**Continuous**	**PI**	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**b.** Verify pier locations, diameters, plumbness and lengths.Record concrete or grout volumes.	**Continuous**	**PI**	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	**c.** Concrete piers.	Provide tests and inspections per CONCRETE section below.		

	C1. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	**a.** Verify use of required design mix.	**Periodic**	**SI**	**Table 1705A.3 Item 5, 1910A.1.**
☑	**b.** Identifiy, sample, and test reinforcing steel.	**Test**	**LOR**	**1910A.2;** ACI 318-19 Ch.20 and Section 26.6.1.2; DSA IR 17-10. (See Appendix (end of this form) for exemptions.)
☑	**c.** During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Test**	**LOR**	**Table 1705A.3 Item 6**; ACI 318-19 Sections 26.5 & 26.12.
☑	**d.** Test concrete (f'_c).	**Test**	**LOR**	**1905A.1.17;** ACI 318-19 Section 26.12.
☐	**e.** Batch plant inspection:	**See Notes**	**SI**	Default of **'Continuous'** per **1705A.3.3**. If approved by DSA, batch plant inspection may be reduced to **'Periodic'** subject to requirements in Section **1705A.3.3.1,** or eliminated per **1705A.3.3.2.** See IR 17-13. (See Appendix (end of this form) for exemptions.)
☐	**f.** Welding of reinforcing steel.	Provide special inspection per STEEL, Category S/A4(d) & (e) and/or S/A5(g) & (h) below.		

NOTE:
THIS IS A SAMPLE DSA 103. A PROJECT SPECIFIC DSA 103 MUST BE PROVIDED FOR EACH APPLICATION TO CONSTRUCT FOR EACH SITE ON WHICH THIS PC IS USED.

DESCRIPTION	DESIGN VALUES
ALLOWABLE SOIL PRESSURE	
DL+LL (CONCRETE FOOTING)	1500 PSF
DL+LL+SEISMIC (CONCRETE FOOTING)	100 PCF LATERAL
FLOOD DESIGN	
FLOOD HAZARD AREA:	NO
WIND DESIGN	
BASIC WIND SPEED (3-SECOND GUST), V_{ULT}	95 MPH
RISK CATEGORY	I
WIND EXPOSURE CATEGORY:	C
TOPOGRAPHIC FACTOR, K_{ZT} (1 MIN.).	1
INTERNAL PRESSURE COEFFICIENT, GC_{PI} (IF APPLICABLE).	N/A
SEISMIC DESIGN	
LATERAL FORCE-RESISTING SYSTEM NON-BUILDING STRUCTURE, ASCE7-16, Ch15	POLE: STEEL
ANALYSIS PROCEDURE	STATIC (ELF)
SEISMIC DESIGN CATEGORY (SDC).	E
SEISMIC IMPORTANCE FACTOR, I_E	1.0
DESIGN BASE SHEAR, V	SEE SHEET SFPC-3
SEISMIC RESPONSE COEFFICIENT, C_S	1.66
RESPONSE MODIFICATION FACTOR, R	1.5
SITE CLASS	D (DEFAULT)
MAPPED SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_S	3.11
SHORT-PERIOD SITE COEFFICIENT, F_A	1.2
DESIGN SPECTRAL RESPONSE ACCELERATION AT SHORT PERIOD, S_{DS} – USED TO DETERMINE C_S	2.487
MAPPED SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD, S_1	1.23
LONG-PERIOD SITE COEFFICIENT, F_V	1.7
DESIGN SPECTRAL RESPONSE ACCELERATION AT 1-SECOND PERIOD, S_{D1}	1.39
HORIZONTAL OR VERTICAL IRREGULARITY TYPE(S)	NONE

PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2023*

2022 California Administrative Code (CAC), Part 1, Title 24 CCR*
2022 California Building Code (CBC), Part 2, Title 24 CCR
2022 California Electrical Code (CEC), Part 3, Title 24 CCR
2022 California Mechanical Code (CMC), Part 4, Title 24 CCR
2022 California Plumbing Code (CPC), Part 5, Title 24 CCR
2022 California Energy Code (CEC), Part 6, Title 24 CCR
2022 California Fire Code (CFC), Part 9, Title 24 CCR
2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR
2022 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR
2022 California Referenced Standards Code, Part 12, Title 24 CCR
Title 19 CCR, Public Safety, State Fire Marshal Regulations

SCOPE OF WORK

THE SCOPE OF WORK FOR THIS PC INCLUDES THE CONSTRUCTION OF FOUNDATIONS FOR THE SPORTSFIELD SPECIALTIES ADJUSTRIGHT FOOTBALL GOAL POSTS. THE FOUNDATIONS HAVE BEEN DESIGNED BASED ON CODE MINIMUM VALUES. THE DESIGN LOADS ARE LIMITED TO WHAT IS SHOWN IN THE GENERAL NOTES.

GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE STRUCTURAL ENGINEER OF RECORD (S.E.O.R.) SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE S.E.O.R. PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR S.E.O.R.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:
   2022 CALIFORNIA BUILDING CODE AND LATEST REVISIONS REFERRED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
5. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING FOR LOADS DUE TO CONSTRUCTION EQUIPMENT, ETC.
6. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE OF THE LATEST APPROVED REVISION.
7. CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES, SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC. IF ANY SUCH STRUCTURES ARE FOUND, STRUCTURAL ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
8. ALL WORK SHALL CONFORM TO 2022 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
9. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
10. A 'DSA CERTIFIED' PROJECT INSPECTOR, CLASS 2, EMPLOYED BY THE 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. A MINIMUM CLASS 3 INSPECTOR IS REQUIRED.
11. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

DESIGN LOADS

WIND LOAD - PER CHAPTER 16A OF THE CODE UTILIZING THE FOLLOWING PROCEDURE: - MWFRS DIRECTIONAL PROCEDURE - ASCE 7-16 - CHAPTER 29

RISK CATEGORY = I
IMPORTANCE FACTOR, Iw = 1.0
ULTIMATE DESIGN WIND SPEED, V (3 SECOND GUST) = 95 MPH ULT
WIND EXPOSURE = C
TOPOGRAPHIC FACTOR, Kzt = 1.0
WIND DIRECTIONALITY FACTOR, Kd = 0.85
GUST EFFECT FACTOR, G = 0.85

SEISMIC LOADS - PER CHAPTER 16A OF THE CODE UTILIZING THE FOLLOWING PROCEDURE:
- SEISMIC DESIGN REQUIREMENTS FOR NON-BUILDING STRUCTURES
RISK CATEGORY = I
IMPORTANCE FACTOR = 1.0
Ss = 3.11
S1 = 1.23
SITE CLASS = D (DEFAULT)
SDS = 2.487
SD1 = 1.39

SEISMIC FORCE RESISTING SYSTEM:
- STEEL POLE (NON-BUILDING STRUCTURE) PER ASCE 7-16 15.4.1.

R = 1.5

Ωo = 1.5

Cd = 1.5

FLOOD ZONE:

- IF PROJECT SPECIFIC SITE IS OTHER THAN FLOOD ZONE 'X', A SIGNED AND SEALED LETTER FROM A GEOTECH ENGINEER SHALL VALIDATE THE ALLOWABLE SOILS VALUES OR PROVIDE ALTERNATE(S).

SHEET INDEX	
SHEET NUMBER	SHEET NAME
SFPC-1	GENERAL NOTES AND DSA FORM 103
SFPC-2	GENERAL NOTES, ABBREVIATIONS AND SYMBOLS
SFPC-3	SECTIONS AND DETAILS
SFPC-4	SPORTSFIELD SPECIALTIES DETAILS

TOTAL SHEETS FOR THIS PC: 4

Project Specific Approval

PRE-CHECKED
FOOTBALL GOAL POSTS

Owner

SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELDSPECIALTIES.COM
41155 State Highway 10,
PO Box 231 Delhi, NY 13753

Issue/Revision

Issue No.	Rev. No.	Description	Date
		DSA SUBMITTAL	09/19/2023

~~APPROVED~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 04-122813 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☐~~
~~DATE: 12/19/2023~~

kpff
18400 Von Karman Ave., Suite 600
Irvine, CA 92612
O: 949.252.1022
F: 949.252.8082
www.kpff.com

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

Seal/Signature

No. S 3066
Exp. 3-31-24

Sheet Title:
GENERAL NOTES AND DSA FORM 103

Designed By: CE/JS	Project Number: 2200333
Drawn By: FC	Scale: AS NOTED
Checked By: WT	Sheet Number: SFPC-1
Date: 2023-06-06	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081
VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

SHEET TITLE
GENERAL NOTES AND DSA FORM 103

SFPC-1

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

Date: Dec 12, 2023, 10:48am - Drawing: S:\Projects\2022\2200333 - DSA 2022 PC for Football Goal Posts\DRAWINGS\AutoCAD\SFPC-1.dwg - Layout: SFPC-1 - Printed By: LGarayburu - Profile: KPFF-ARIAL - Job Name: DSA PC for Football Goal Posts- PM: JS - PD: FC/GN
Xrefs: 2200333TB.dwg

ABBREVIATIONS

A	AREA (IN^2)
AB	ANCHOR BOLT
ABV	ABOVE
ADD'L	ADDITIONAL
ADJ	ADJACENT
AFF	ABOVE FINISH FLOOR
AGGR	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANCH	ANCHOR
APPVD	APPROVED
APROX	APPROXIMATELY
ARCH	ARCHITECTURAL; ARCHITECT
AR	ANCHOR ROD
ARND	AROUND
&	AND
@	AT
BEL	BELOW
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BN	BOUNDARY NAIL
BNDRY	BOUNDARY
BOT OR B	BOTTOM
BOF	BOTTOM OF FOOTING
BRCG	BRACING
BRG	BEARING
BSMT	BASEMENT
BT	BENT
BTW	BETWEEN
BYND	BEYOND
CAM OR C	CAMBER
CALCS	CALCULATIONS
CANT	CANTILEVER
CBC	CALIFORNIA BUILDING CODE
CC	CENTER TO CENTER
CCR	CALIFORNIA CODE OF REGULATIONS
CG	CENTER OF GRAVITY
CIP	CAST IN PLACE
CJ	CONSTRUCTION JOINT; CONTROL JOINT
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLG	CEILING
CLR	CLEARANCE; CLEAR
CMU	CONCRETE MASONRY UNIT
CO	COMPANY
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION; CONNECT
CONST	CONSTRUCTION
CONT	CONTINUE; CONTINUOUS
CONTR	CONTRACTOR
CP	COMPLETE PENETRATION
CTR	CENTER
CTSK	COUNTERSINK; COUNTERSUNK
CF	CUBIC FOOT
d	PENNY (NAIL OR d_b)
DBL	DOUBLE
DBLR	DOUBLER
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF/L	DOUGLAS FIR/LARCH
DIA OR Ø	DIAMETER
DIAG	DIAGONAL
DIAPH	DIAPHRAGM
DIM	DIMENSION
DIR	DIRECTION
DIST	DISTANCE
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DWG	DRAWING
DWL	DOWEL
(E)	EXISTING
EA	EACH
EF	EACH FACE
e.g.	FOR EXAMPLE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRICAL
ELEV	ELEVATOR
EMB	EMBEDDED
EN	EDGE NAIL
ENGR	ENGINEER
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EQUIV	EQUIVALENT
ES	EACH SIDE
ETC	ET CETERA
EW	EACH WAY
EXIST	EXISTING
EXT	EXTERIOR
Fb	ALLOWABLE BENDING STRESS
FB	FLAT BAR
F'c	CONCRETE COMPRESSION STRENGTH
FD	FLOOR DRAIN
FDN	FOUNDATION
FF	FINISH FLOOR
FHWS	FLAT HEAD WOOD SCREW
FIN	FINISH
FLR	FLOOR
FLG	FLANGE
FN	FIELD NAIL
F'm	MASONRY COMPRESSIVE STRENGTH
FOS	FACE OF STUD
FOW	FACE OF WALL
FP	FIREPROOF; FULL PENETRATION
FRMG	FRAMING
FS	FULL SIZE; FAR SIDE
FT	FOOT; FEET
FTG	FOOTING
Fy	YIELD STRENGTH
GA	GAUGE
GB	GRADE BEAM
GC	GENERAL CONTRACTOR
GALV	GALVANIZED
GAR	GARAGE
GEN	GENERAL
GLB	GLUED LAMINATED BEAM
GND	GROUND
GR	GRADE
HD	HOLDOWN
HDR	HEADER
HGR	HANGER
HK	HOOK
HORIZ OR H	HORIZONTAL
HOSP	HOSPITAL
HP	HEAVY PILING
HR	HARD ROCK
HS	HIGH STRENGTH
HT	HEIGHT
I	MOMENT OF INERTIA
ID	INSIDE DIAMETER
i.e.	THAT IS
IF	INSIDE FACE
IN	INCH
INCL	INCLUDE, INCLUDING
INFO	INFORMATION
INSP	INSPECTION, INSPECTOR
INT	INTERIOR
INTERM	INTERMEDIATE
INV	INVERT
JST	JOIST
JT	JOINT
KIP OR K	1,000 POUNDS
KO	KNOCK-OUT
KP	KING POST
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH

LAB	LABORATORY
LBS OR #	POUND
LDGR	LEDGER
LF	LINEAL FOOT
LG	LONG
LH	LOW HYDROGEN
LIN	LINEAL; LINEAR
LL	LIVE LOAD
LLBB	LONG LEGS BACK-TO-BACK
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOCS	LOCATIONS
LONGIT	LONGITUDINAL
LO-HY	LOW HYDROGEN
LP	LOW POINT
LSH	LONG SLOTTED HOLES
LTWT	LIGHTWEIGHT
LVL	LEVEL
MAS	MASONRY
MAT	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MK	MARK
MTL	METAL
MULT	MULTIPLE
(N)	NEW
N	NORTH
NAT	NATURAL
NF	NEAR FACE
NIC	NOT IN CONTRACT
NLG	NAILING
NO. OR #	NUMBER
NS	NEAR SIDE
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG	OPENING
OPP	OPPOSITE
OPNG	OPENING
OSB	ORIENTED STRAND BOARD
PARA OR //	PARALLEL
PC	PRECAST
PC	PIPE COLUMN
PCF	POUNDS PER CUBIC FOOT
PCI	POUNDS PER CUBIC INCH
PDF	POWER DRIVEN FASTENERS
PLF	POUNDS PER LINEAL FOOT
PE	POLYETHYLENE, PROFESSIONAL ENGINEER
PERP OR ⊥	PERPENDICULAR
PHWS	PER HEAD WOOD SCREW
PI	PLYWOOD INDEX
PJ	PANEL JOINT
PJP	PARTIAL JOINT PENETRATION
PL OR PL	PLATE
PL	PROPERTY LINE
PLY	PLYWOOD
PLCS	PLACES
PLBG	PLUMBING
PNL	PANEL
PP	PARTIAL PENETRATION
PREFAB	PREFABRICATED
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PUN	PUNCHED
PTDF	PRESSURE TREATED DOUGLAS FIR
PTFE	POLYTETRAFLUORETHYLENE (TEFLON)
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
PWJ	PLYWOOD WEB JOIST
RAD	RADIUS
RAFT	RAFTER
RD	ROOF DRAIN
REF	REFERENCE
REG	REGULAR
REINF	REINFORCE; REINFORCING
REQ	REQUIRED
RET	RETAINING
REV	REVISION
RF	ROOF
RM	ROOM
RO	ROUGH OPENING
S	ELASTIC SECTION MODULUS
SCHED	SCHEDULE
SECT	SECTION
SEL	SELECT
SEP	SEPARATION
SFRS	SEISMIC FORCE RESISTING SYSTEM
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SIMP	SIMPSON
SJ	SEISMIC JOINT
SLBB	SHORT LEGS BACK-TO-BACK
SMS	SHEET METAL SCREWS
SPA	SPACES
SPCG	SPACING
SPCL	SPECIAL
SPCS	SPACES
SPECS	SPECIFICATIONS
SQ	SQUARE
SS	SELECT STRUCTURAL
SSH	SHORT SLOTTED HOLES
STAGG	STAGGER
STD	STANDARD
STIFF	STIFFENER
STIRR	STIRRUP
STL	STEEL
STRUC	STRUCTURAL
SW	SHEAR WALL
SYM	SYMMETRICAL
T	TOP
T&B	TOP & BOTTOM
T&G	TONGUE & GROOVE
T/	TOP OF
TB	TIE BEAM
TEMP	TEMPERATURE, TEMPORARY
THK	THICK
THRU	THROUGH
TL	TOTAL LOAD
TN	TOE NAIL
TOB	TOP OF BEAM
TOC	TOP OF CURB
TOL	TOP OF LEDGER
TOS	TOP OF STEEL
TOSH	TOP OF SHEAR WALL
TOSL	TOP OF SLAB
TOW	TOP OF WALL
TRANSV	TRANSVERSE
TSG	TAPERED STEEL GIRDER
TYP	TYPICAL
UL	UNDERWRITERS' LABORATORY, INC.
UBC	UNIFORM BUILDING CODE
UNO	UNLESS NOTED OTHERWISE
UT	ULTRASONIC TEST
VERT or V	VERTICAL
VIF	VERIFY IN FIELD
WF	WIDE FLANGE
W/	WITH
W/C	WATER/CEMENT
W/O	WITHOUT
WD	WOOD
WP	WORK POINT, WATERPROOF
WWF	WELDED WIRE FABRIC
WHT	WEIGHT

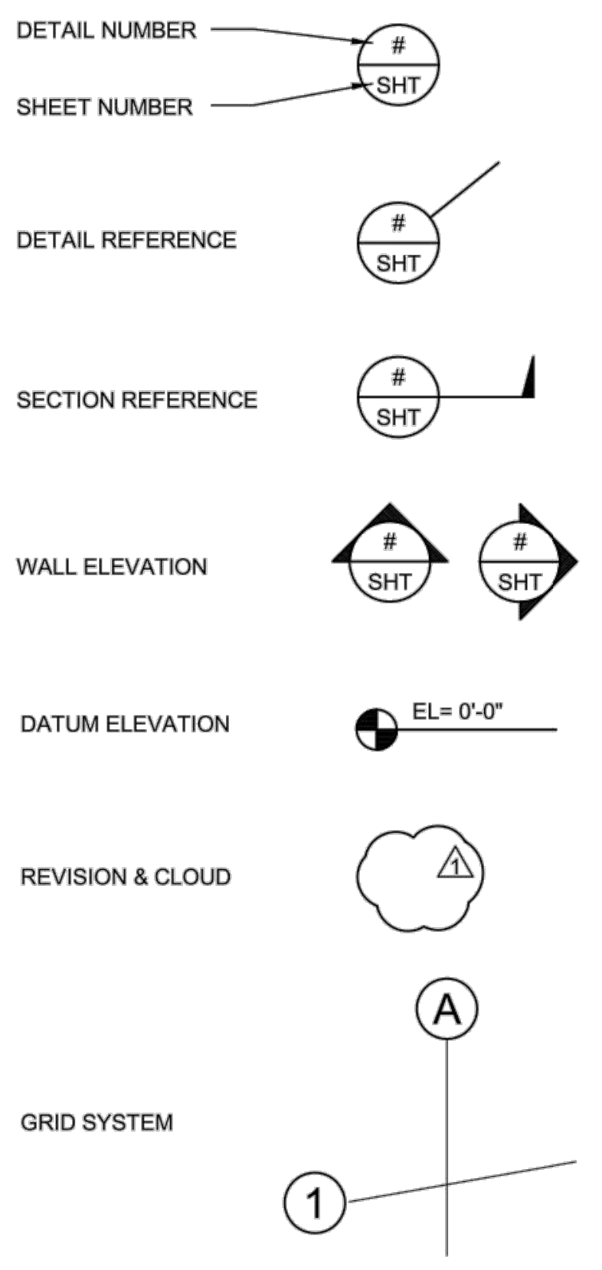
STRUCTURAL STEEL SHAPES

W	W SHAPES
S	S SHAPES
M	M SHAPES
HP	HP SHAPES
C	STD CHANNEL
MC	MISC CHANNEL
L	ANGLES
WT, ST, MT	STRUCT TEES CUT FROM W, S, M SHAPES
P#	STANDARD PIPE
PX#	EXTRA STRONG PIPE
PXX#	DBL EXTRA STRONG PIPE
HSS	HOLLOW STRUCTURAL SECTION
TS	TUBE SECTION

INSTITUTIONS

ACI	AMERICAN CONCRETE INSTITUTE
AISC	AMERICAN INSTITUTE OF STEEL CONSTRUCTION
AISI	AMERICAN IRON AND STEEL INSTITUTE
AITC	AMERICAN INSTITUTE OF TIMBER CONSTRUCTION
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APA	AMERICAN PLYWOOD ASSOCIATION
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWPB	AMERICAN WOOD PRESERVERS BUREAU
AWS	AMERICAN WELDING SOCIETY
CRSI	CONCRETE REINFORCING STEEL INSTITUTE
DSA	DIVISION OF THE STATE ARCHITECT
ICBO	INTERNATIONAL CONFERENCE OF BUILDING OFFICIALS
ICC	INTERNATIONAL CODE COUNCIL
ICC-ER	ICC-ES LEGACY REPORT
ICC-ES	ICC EVALUATION SERVICE
ICC-ESR	ICC-ES REPORT
OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
PCI	PRE-CAST CONCRETE INSTITUTE
PTI	POST-TENSION CONCRETE INSTITUTE
SJI	STEEL JOIST INSTITUTE
TPI	TRUSS PLATE INSTITUTE

SYMBOLS



STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH THE AISC SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (2022 EDITION), AND WITH CHAPTERS 17A AND 22A OF THE CODE.
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):

   PLATES, CONNECTION PLATES, AND MISC: A36 (UNO)

   HSS SECTIONS: A500, GRADE B

   BOLTS: A325

   NUTS: A563

   WASHERS: F436

   BOLTS IN CONCRETE U.N.O.: F1554 36 KSI (UNO)
3. BOLT HOLES USED IN STEEL SHALL BE 1/16" LARGER IN DIAMETER THAN NOMINAL SIZE OF BOLT USED, EXCEPT AS NOTED.
4. ALL WELDING IS TO BE DONE BY CERTIFIED WELDERS USING E70XX ELECTRODES (UNO). ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1) OF THE AMERICAN WELDING SOCIETY. SPECIAL INSPECTION OF WELDING PER SECTION 1705A.2 OF THE CODE. USE OF E70T-4 WIRE IS NOT PERMITTED.
5. WHERE FABRICATION OF STRUCTURAL LOAD-BEARING MEMBERS AND ASSEMBLIES IS BEING PERFORMED ON THE PREMISES OF FABRICATOR'S SHOP, SPECIAL INSPECTION OF THE FABRICATED ITEMS SHALL BE REQUIRED.
6. WELD LENGTHS CALLED FOR ON PLANS ARE THE NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC 360-16 SECTION J2.2b.
7. THE SPECIAL INSPECTIONS FOR STEEL ELEMENTS OF BUILDINGS AND STRUCTURES SHALL BE AS REQUIRED BY SECTION 1705A.2.1 OF THE CODE AND CONSTRUCTION DOCUMENTS.
8. MILL TEST REPORTS FOR ANCHOR BOLTS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR PRIOR TO PLACEMENT OF CONCRETE.
9. ALL WELD MATERIAL SHALL COMPLY WITH AISC 360-16 SECTION J2.6.
10. WELDING OF DEMAND CRITICAL WELDS (DCW) SHALL BE PER AWS 1.8.
11. THE THERMAL CUTTING OF ALL MEMBERS SHALL COMPLY WITH AISC 360.16 SECTION M2.2.
12. ALL EXPOSED STRUCTURAL STEEL SHALL BE POWDERED COATED WITH A DUPONT TGIC POLYESTER PRIMER FOLLOWED BY THE OWNER'S DUPONT TGIC POLYESTER COLOR OF CHOICE.
13. ALL EXPOSED STEEL FASTENERS, INCLUDING CAST-IN-PLACE ANCHOR BOLTS/RODS, SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT-DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329), OR PROTECTED WITH CORROSION-PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

ALUMINUM

1. STRUCTURAL ALUMINUM SHALL BE FABRICATED, ASSEMBLED, AND ERECTED IN ACCORDANCE WITH ALUMINUM DESIGN MANUAL 2015.
2. ALL WELDING OF ALUMINUM SHALL CONFORM WITH AWS D1.2.
3. ALUMINUM ALLOY GRADE SHALL BE AS FOLLOWS:

GOOSENECK:	6063-T5
CROSS BAR:	6061-T6
UPRIGHTS:	6061-T6
4. DISSIMILAR METALS SHALL BE ISOLATED OR COATED TO INHIBIT GALVANIC CORROSION. WHERE IN CONTACT WITH ALUMINUM, STEEL GROUND PLATES AND STEEL BOLTS, NUTS, AND WASHERS SHALL BE HOT-DIP GALVANIZED (ASTM A123/ ASTM A153).
5. ALUMINUM SHALL BE COATED OR COVERED TO PREVENT ALUMIUNM-CONCRETE REACTION AND ELECTROLYTIC ACTION BETWEEN ALUMINUM AND STEEL.

FOUNDATION

1. FOOTINGS ARE DESIGNED BASED ON THE MINIMUM VALUES IN CHAPTER 18A AND INCLUDES THE FOLLOWING INFORMATION:

   W = FOOTING DIAMETER
   D = FOOTING DEPTH BELOW ADJACENT GRADE

   ALLOWABLE BEARING
   ISOLATED FTGS = 1500 PSF (MAX)

   LATERAL SOIL PRESSURE
   ISOLATED FTGS = 100 PSF PER FOOT EMBEDMENT

   MINIMUM DEPTH OF FOOTINGS SHALL BE AS FOLLOWS:
   24" BELOW ADJACENT EXTERIOR FINISHED GRADE.
2. CONTRACTOR TO PROVIDE FOR DE-WATERING OF EXCAVATIONS FROM EITHER SURFACE WATER, GROUND WATER OR SEEPAGE, IF REQUIRED.
3. CONTRACTOR SHALL PROVIDE FOR DESIGN AND INSTALLATION OF ALL CRIBBING, SHEATHING AND SHORING REQUIRED AND SHALL BE SOLELY RESPONSIBLE FOR ALL EXCAVATION PROCEDURES INCLUDING LAGGING, SHORING AND PROTECTION OF ADJACENT PROPERTY, STRUCTURES, STREETS AND UTILITIES IN ACCORDANCE WITH ALL NATIONAL, STATE AND LOCAL SAFETY ORDINANCES.
4. EXCAVATION FOR FOOTINGS SHALL BE APPROVED BY THE INSPECTOR PRIOR TO PLACING THE CONCRETE AND REINFORCING. CONTRACTOR TO NOTIFY THE INSPECTOR WHEN INSPECTION OF EXCAVATION IS READY. INSPECTOR TO SUBMIT LETTER OF COMPLIANCE.
5. FOUNDATIONS SHALL BE PLACED AND ESTIMATED ACCORDING TO DEPTHS SHOWN ON DRAWINGS. SHOULD SOIL ENCOUNTERED AT THESE DEPTHS NOT BE APPROVED BY THE INSPECTOR, FOUNDATION ELEVATIONS WILL BE ALTERED BY CONSTRUCTION CHANGE DOCUMENT.
6. FOOTING BACKFILL WITHIN BUILDING AREA SHALL BE MECHANICALLY COMPACTED IN LAYERS IN ACCORDANCE WITH ASTM D-1559 TO 95% AND APPROVED BY THE INSPECTOR. FLOODING WILL NOT BE PERMITTED. ALL FILLS USED TO SUPPORT FOUNDATIONS SHALL BE INSPECTED BY THE INSPECTOR.
7. ALL ABANDONED FOOTINGS, UTILITIES, ETC., SHALL BE REMOVED UNLESS NOTED OTHERWISE.

REINFORCING STEEL

1. REINFORCING BARS SHALL CONFORM TO THE REQUIREMENTS OF CHAPTER 19A OF THE CODE, ASTM A615, GRADE 60 UNO.
2. BARS SHALL BE CLEAN OF RUST, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
3. REINFORCING BAR SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS. LAP ALL HORIZONTAL BARS AT CORNERS AND INTERSECTIONS. STAGGER ALL SPLICES UNLESS NOTED OTHERWISE ON PLANS.
4. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
5. BARS IN SLABS SHALL BE SECURELY SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL CHAIRS, PRIOR TO PLACING CONCRETE.
6. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "A.C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", LATEST EDITION.
7. MILL TEST REPORTS FOR GRADE 60 BARS SHALL BE SUBMITTED TO THE PROJECT INSPECTOR PRIOR TO PLACEMENT OF CONCRETE.
8. CONTINUOUS INSPECTION OF CONCRETE SHALL INCLUDE INSPECTION DURING INSTALLATION OF REINFORCING STEEL. INSPECTION SHALL BE SCHEDULED SO THAT PLACEMENT OF REINFORCING STEEL MAY BE CORRECTED PRIOR TO PLACEMENT OF OVERLYING GRIDS OR REINFORCING STEEL.
9. CONCRETE PROTECTION FOR REINFORCEMENT CAST-IN-PLACE CONCRETE (NON-PRESTRESSED). THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT

   A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"

   B. CONCRETE EXPOSED TO EARTH OR WEATHER:

   NO. 6 THROUGH NO. 18 BAR: 2"
   NO. 5 BAR, W31 OR D31 WIRE & SMALLER: 1 1/2"

CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CHAPTER 19A OF THE CODE AND WITH THE PROVISIONS OF ACI 318, 2019 EDITION.
2. REINFORCED CONCRETE IS DESIGNED BY THE "ULTIMATE STRENGTH DESIGN METHOD".
3. CONCRETE MIXES SHALL BE DESIGNED BY THE APPROVED TESTING LABORATORY AND APPROVED BY THE STRUCTURAL ENGINEER. THE COMPRESSIVE STRENGTH OF THE CONCRETE SHALL BE PROPORTIONED BASED ON ACI 318.
4. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTH AND TYPES: [LOCATION IN STRUCTURE, STRENGTH (PSI), DENSITY (PCF), W/C RATIO]

   ALL CONCRETE FOOTINGS = 4500 PSI, 150 PCF, 0.45
   CONCRETE SLAB ON GRADE = 3000 PSI, 150 PCF, 0.45
5. PORTLAND CEMENT SHALL CONFORM TO ASTM C 150, TYPE V (IF IN CONTACT WITH SOILS AT FOUNDATIONS AND SLAB ON GRADE)).
6. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C 33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
7. CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C 94.
8. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 318 AND PROJECT SPECIFICATIONS. CLEAN AND ROUGHEN TO 1/4" AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED.
9. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
10. THE SPECIAL INSPECTION FOR CONCRETE CONSTRUCTION SHALL BE AS REQUIRED BY SECTION 1705A.3 OF THE CODE AND CONSTRUCTION DOCUMENTS.

Project Specific Approval

PRE-CHECKED
FOOTBALL GOAL POSTS

Owner

SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELDSPECIALTIES.COM
41155 State Highway 10,
PO Box 231 Delhi, NY 13753

Issue/Revision

Issue No.	Rev. No.	Description	Date
		DSA SUBMITTAL	09/19/2023

~~APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122813 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 12/19/2023~~

kpff
18400 Von Karman Ave., Suite 600
Irvine, CA 92612
O: 949.252.1022
F: 949.252.8082
www.kpff.com

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

Seal/Signature

No. S 3066
Exp. 3-31-24

Sheet Title:

GENERAL NOTES, ABBREVIATIONS AND SYMBOLS

Designed By: CE/JS	Project Number: 2200333
Drawn By: FC	Scale: AS NOTED
Checked By: WT	Sheet Number: SFPC-2
Date: 2023-06-06	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

VISTA UNIFIED SCHOOL DISTRICT
EXCELLENCE INNOVATION

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

SHEET TITLE

GENEREAL
NOTES
ABBREVIATIONS
AND SYMBOLS

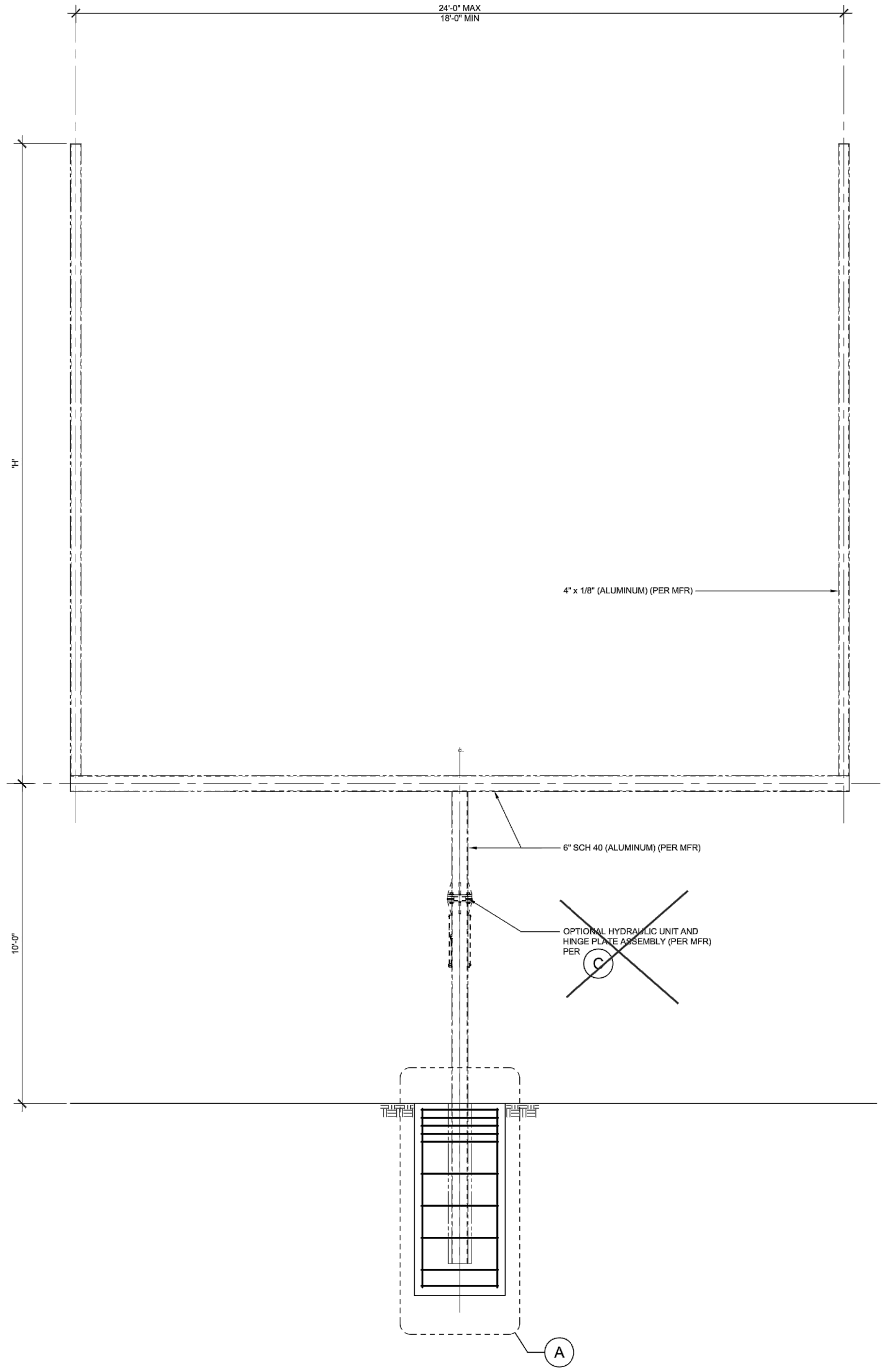
SFPC-2

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

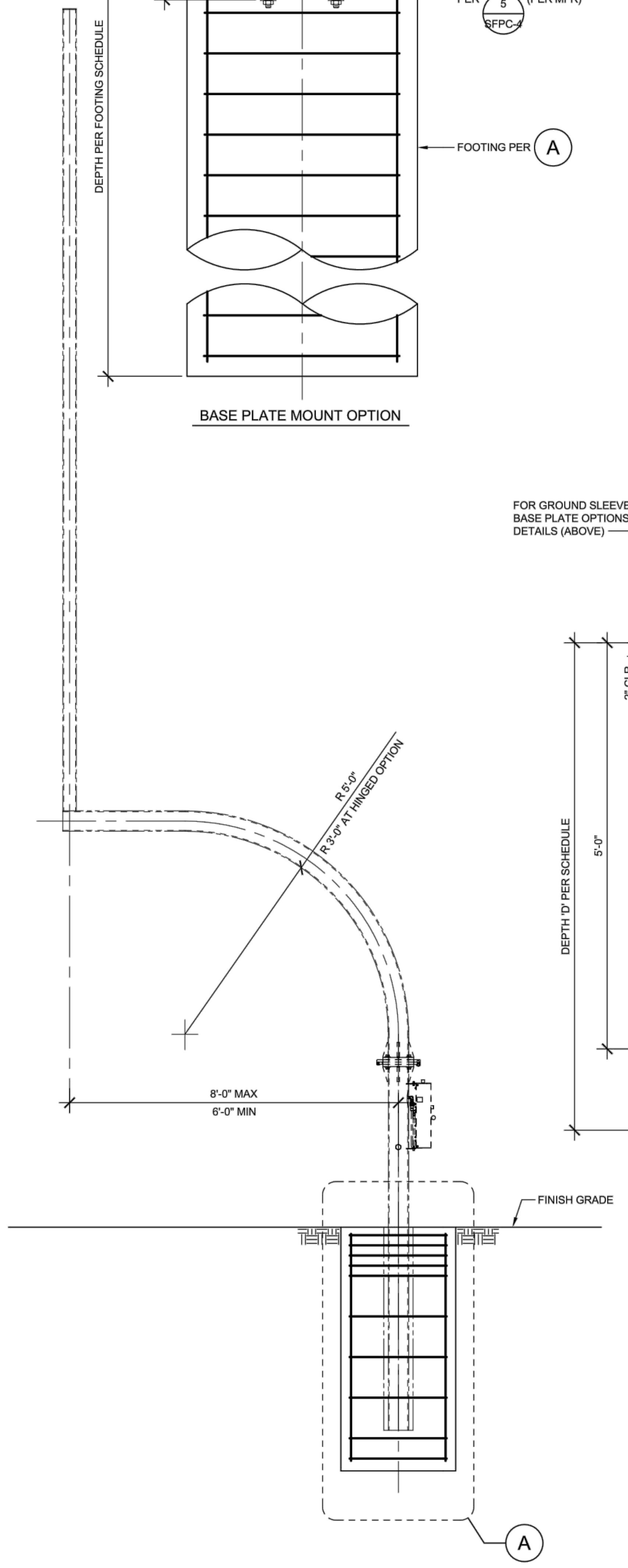
Date: Dec 12, 2023, 10:48am - Drawing: S:\Projects\2022\220033 - DSA 2022 PC for Football Goal Posts\DRAWINGS\AutoCAD\SFPC-2.dwg - Layout: SFPC-2 - Printed By: LGaray... - Profile: KPFF-ARIAL - Job Name: DSA PC for Football Goal Posts - PM: JS - PD: FC/GN
Xrefs: 220033STB.dwg

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

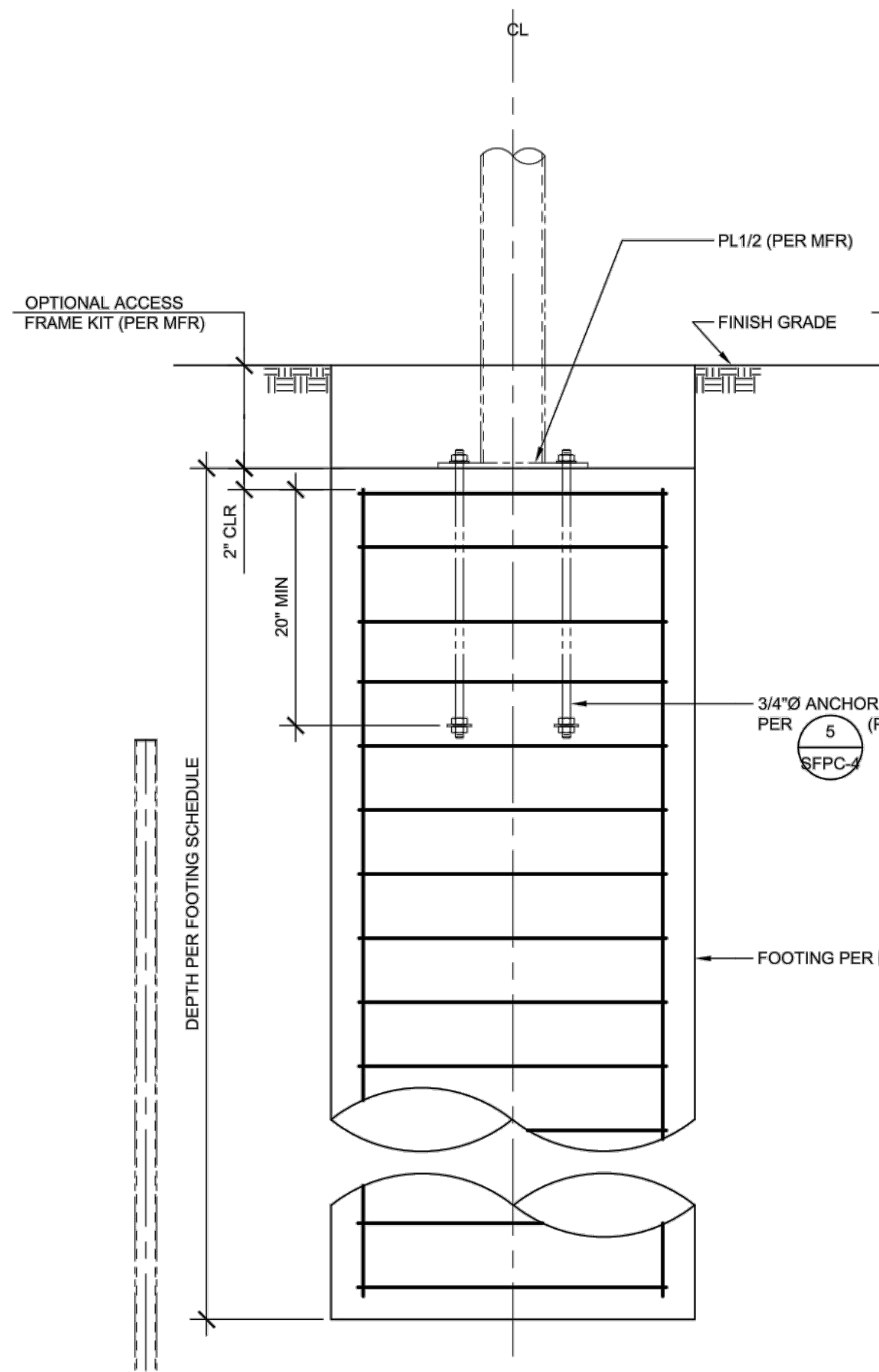
Date: Dec 12, 2023, 10:49am - Drawing: S:\Projects\2022\2200333 - DSA 2022 PC for Football Goal Posts\DRAWINGS\AutoCAD\SFPC-3.dwg - Layout: SFPC-3 - Printed By: LGarayburu - Profile: KPFF-ARIAL - Job Name: DSA PC for Football Goal Posts- PM: JS - PD: FC/GN
Xrefs: 2200333TB.dwg


24'-0" MAX
18'-0" MIN
'H'
10'-0"
4" x 1/8" (ALUMINUM) (PER MFR)
6" SCH 40 (ALUMINUM) (PER MFR)
OPTIONAL HYDRAULIC UNIT AND HINGE PLATE ASSEMBLY (PER MFR) PER C
CL
A

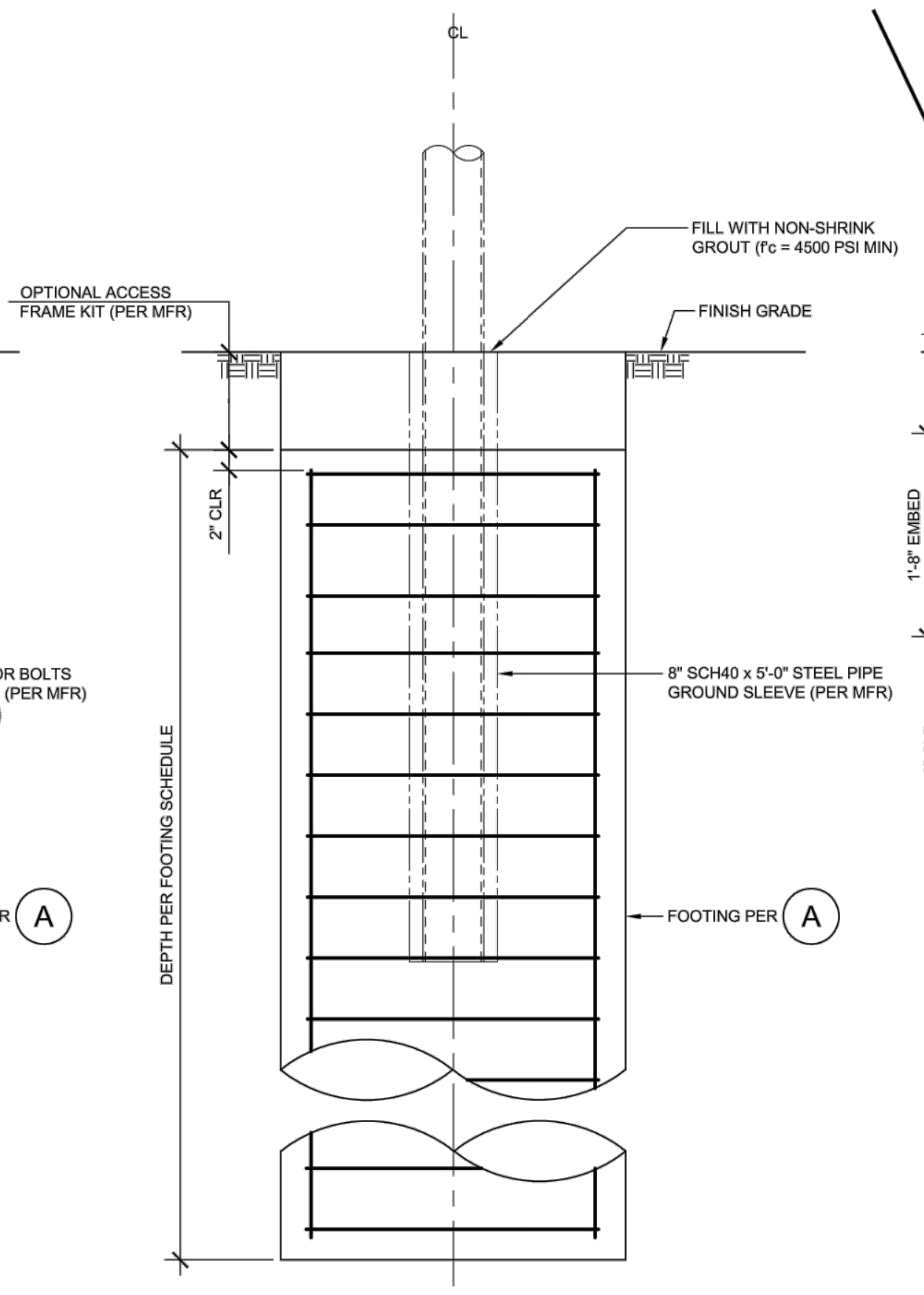
ELEVATION
1/2"=1'-0"



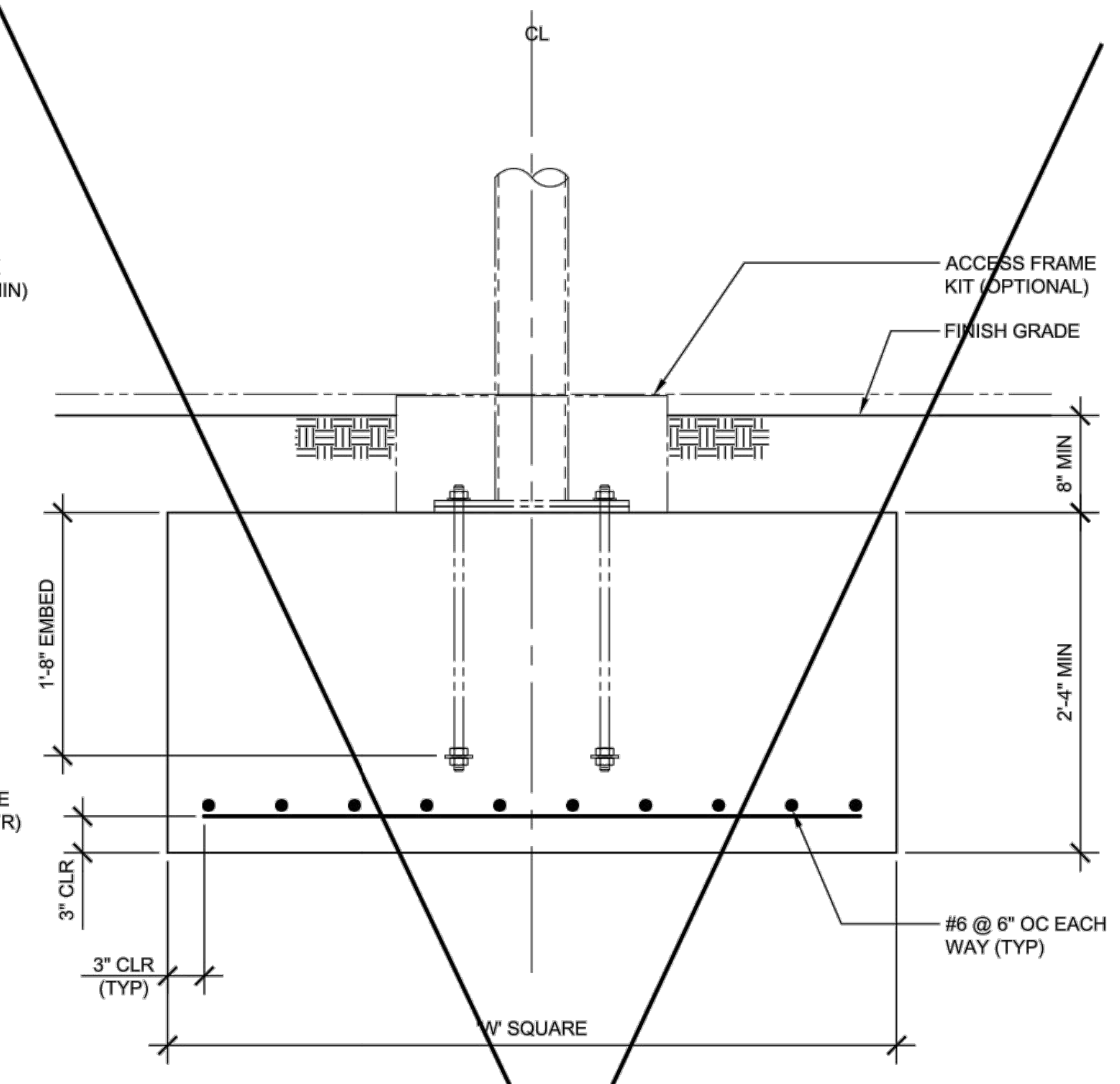
SIDE ELEVATION
1/2"=1'-0"


CL
PL1/2 (PER MFR)
OPTIONAL ACCESS FRAME KIT (PER MFR)
FINISH GRADE
2" CLR
20" MIN
3/4"Ø ANCHOR BOLTS PER 5 SFPC-4 (PER MFR)
DEPTH PER FOOTING SCHEDULE
FOOTING PER A

BASE PLATE MOUNT OPTION

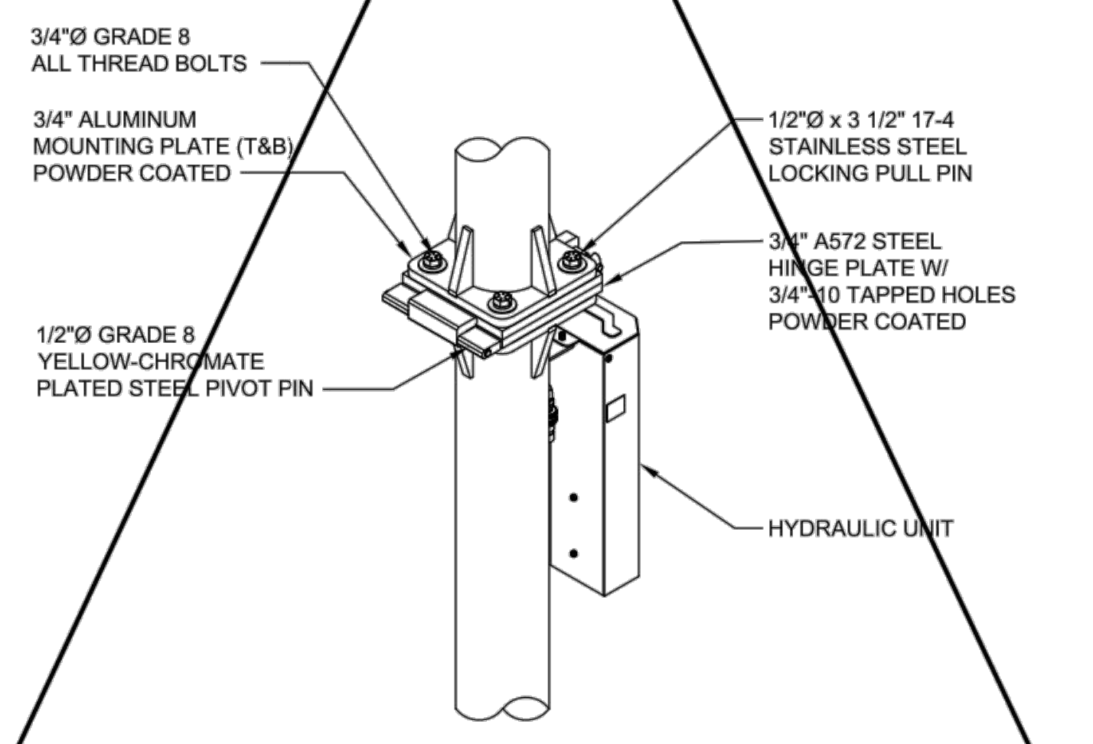

CL
FILL WITH NON-SHRINK GROUT (f'c = 4500 PSI MIN)
OPTIONAL ACCESS FRAME KIT (PER MFR)
FINISH GRADE
2" CLR
8" SCH40 x 5'-0" STEEL PIPE GROUND SLEEVE (PER MFR)
DEPTH PER FOOTING SCHEDULE
FOOTING PER A

GROUND SLEEVE MOUNT OPTION

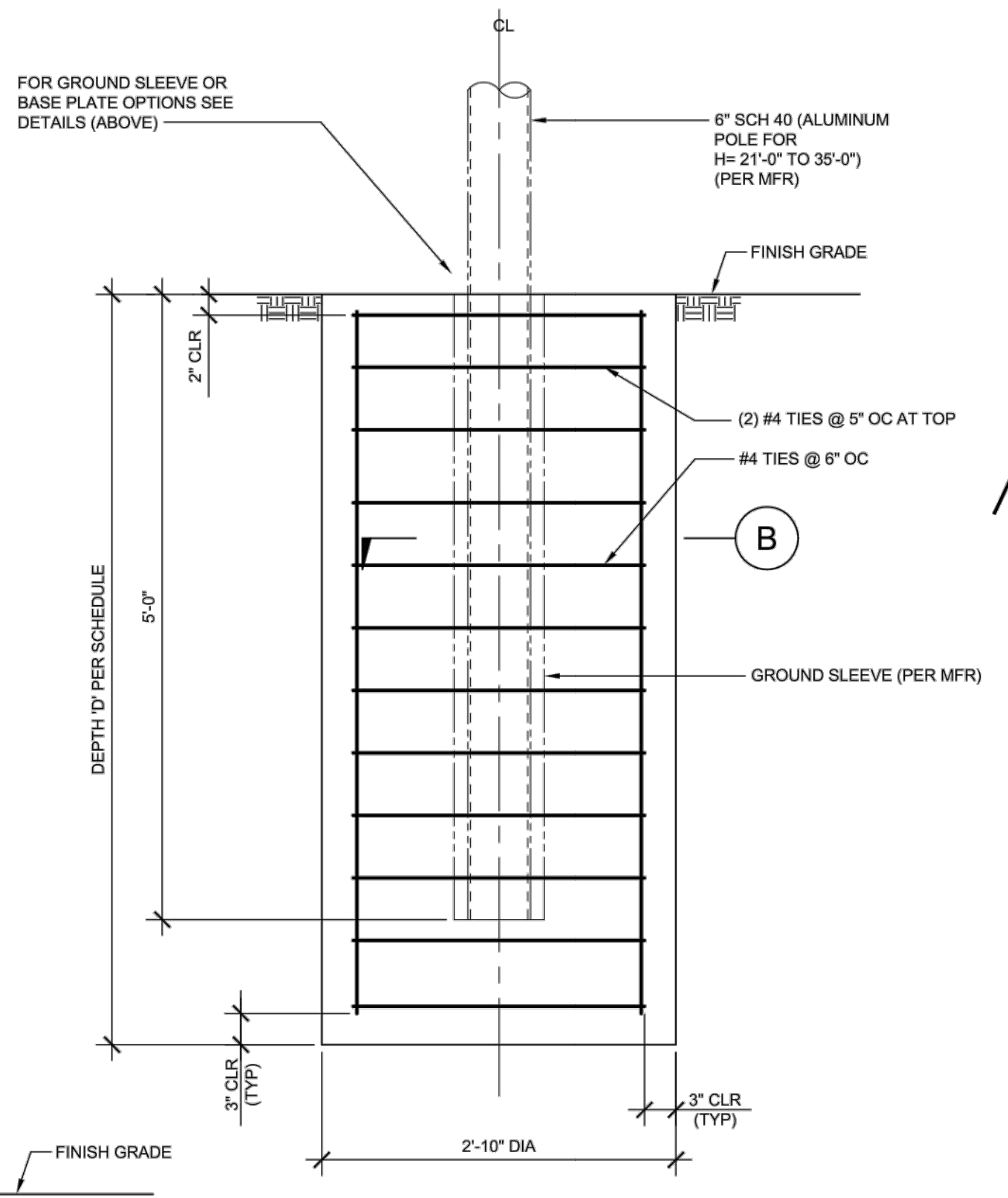


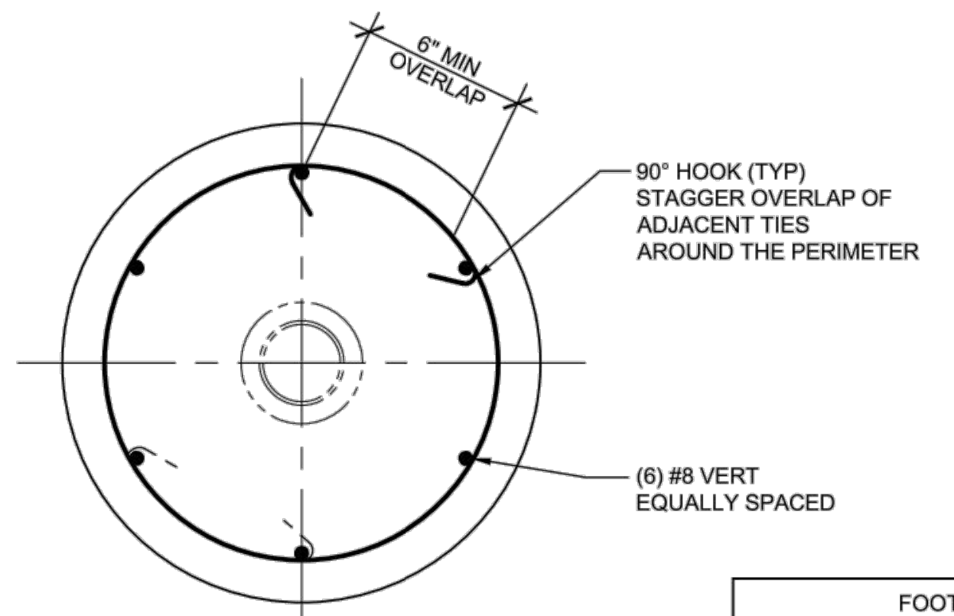
PAD FOOTING SCHEDULE	
UPRIGHT POST HEIGHT 'H'	'W' SQUARE
20'-0"	5'-0"
30'-0"	5'-9"
35'-0"	6'-0"

SPREAD FOOTING OPTION


3/4"Ø GRADE 8 ALL THREAD BOLTS
3/4" ALUMINUM MOUNTING PLATE (T&B) POWDER COATED
1/2"Ø GRADE 8 YELLOW-CHROMATE PLATED STEEL PIVOT PIN
1/2"Ø x 3 1/2" 17-4 STAINLESS STEEL LOCKING PULL PIN
3/4" A572 STEEL HINGE PLATE W/ 3/4"-10 TAPPED HOLES POWDER COATED
HYDRAULIC UNIT

C OPTIONAL HYDRAULIC UNIT AND PLATE HINGE ASSEMBLY
NTS


CL
FOR GROUND SLEEVE OR BASE PLATE OPTIONS SEE DETAILS (ABOVE)
6" SCH 40 (ALUMINUM POLE FOR H= 21'-0" TO 35'-0") (PER MFR)
FINISH GRADE
2" CLR
(2) #4 TIES @ 5" OC AT TOP
#4 TIES @ 6" OC
B
5'-0"
DEPTH 'D' PER SCHEDULE
GROUND SLEEVE (PER MFR)
3" CLR (TYP)
3" CLR (TYP)
2'-10" DIA

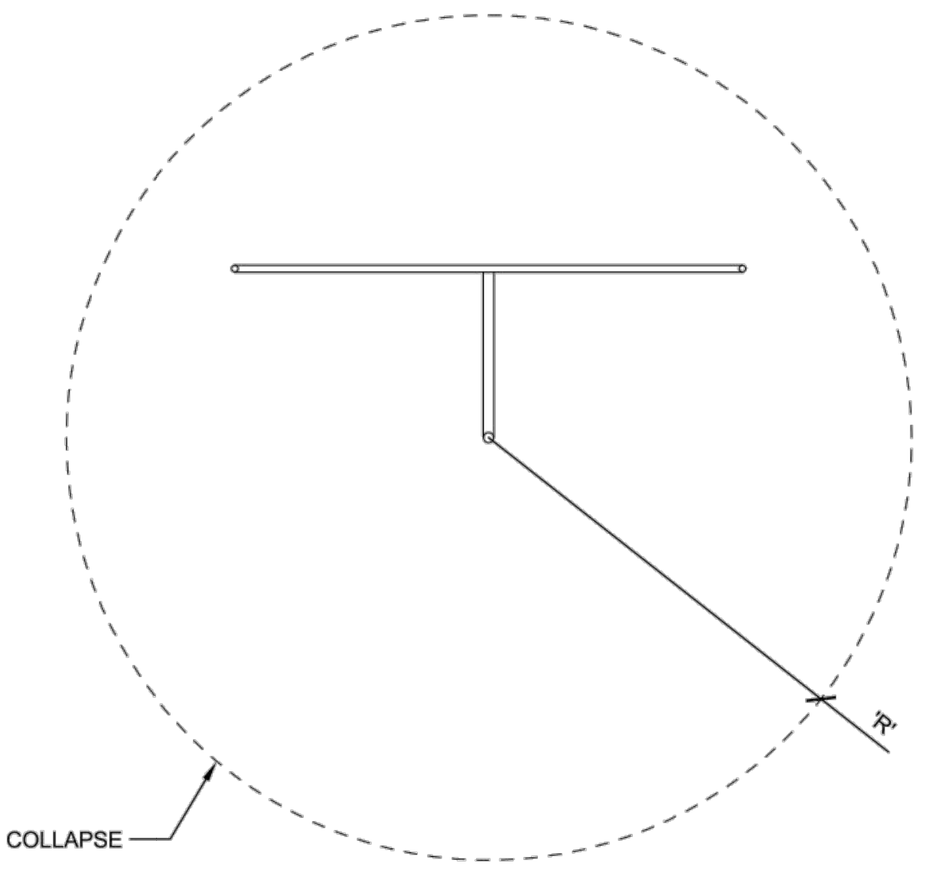

6" MIN OVERLAP
90° HOOK (TYP) STAGGER OVERLAP OF ADJACENT TIES AROUND THE PERIMETER
(6) #8 VERT EQUALLY SPACED

B SECTION
PLAN VIEW

A FOOTING DETAIL

FOOTING SCHEDULE		BASE SHEAR
UPRIGHT POST HEIGHT 'H'	DEPTH 'D'	
~~20'-0"~~	~~5'-5"~~	~~587#~~
30'-0"	6'-3"	760#
~~35'-0"~~	~~6'-8"~~	~~850#~~

NOTE:
GROUND SLEEVE OPTION SHOWN. DETAIL ALSO APPLIES TO SPORTSFIELD SPECIALTIES BASEPLATE MOUNT OPTION.



NOTE:
GOAL POST MUST BE PLACED CLEAR OF ANY ADJACENT BUILDING OR STRUCTURE SUCH THAT COLLAPSE ON AN ADJACENT STRUCTURE DUE TO AN EXTREME EVENT WOULD NOT OCCUR. THE CLEAR DISTANCE 'R' IS TO BE THE TOTAL HEIGHT PLUS 2'-0".

BIRD'S EYE VIEW

FOOTBALL GOAL POST DETAIL

NOT TO SCALE 1

Project Specific Approval

PRE-CHECKED
FOOTBALL GOAL POSTS

Owner

SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELDSPECIALTIES.COM
41155 State Highway 10,
PO Box 231 Delhi, NY 13753

Issue/Revision

Issue No.	Rev. No.	Description	Date
		DSA SUBMITTAL	09/19/2023

~~APPROVED~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 04-122813 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☐~~
~~DATE: 12/19/2023~~

kpff
18400 Von Karman Ave., Suite 600
Irvine, CA 92612
O: 949.252.1022
F: 949.252.8082
www.kpff.com

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

Seal/Signature

Exp. 3-31-24

Sheet Title:
SECTIONS AND DETAILS

Designed By: CE/JS	Project Number: 2200333
Drawn By: FC	Scale: AS NOTED
Checked By: WT	Sheet Number: SFPC-3
Date: 2023-06-06	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT

RANCHO BUENA VISTA HIGH SCHOOL

1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

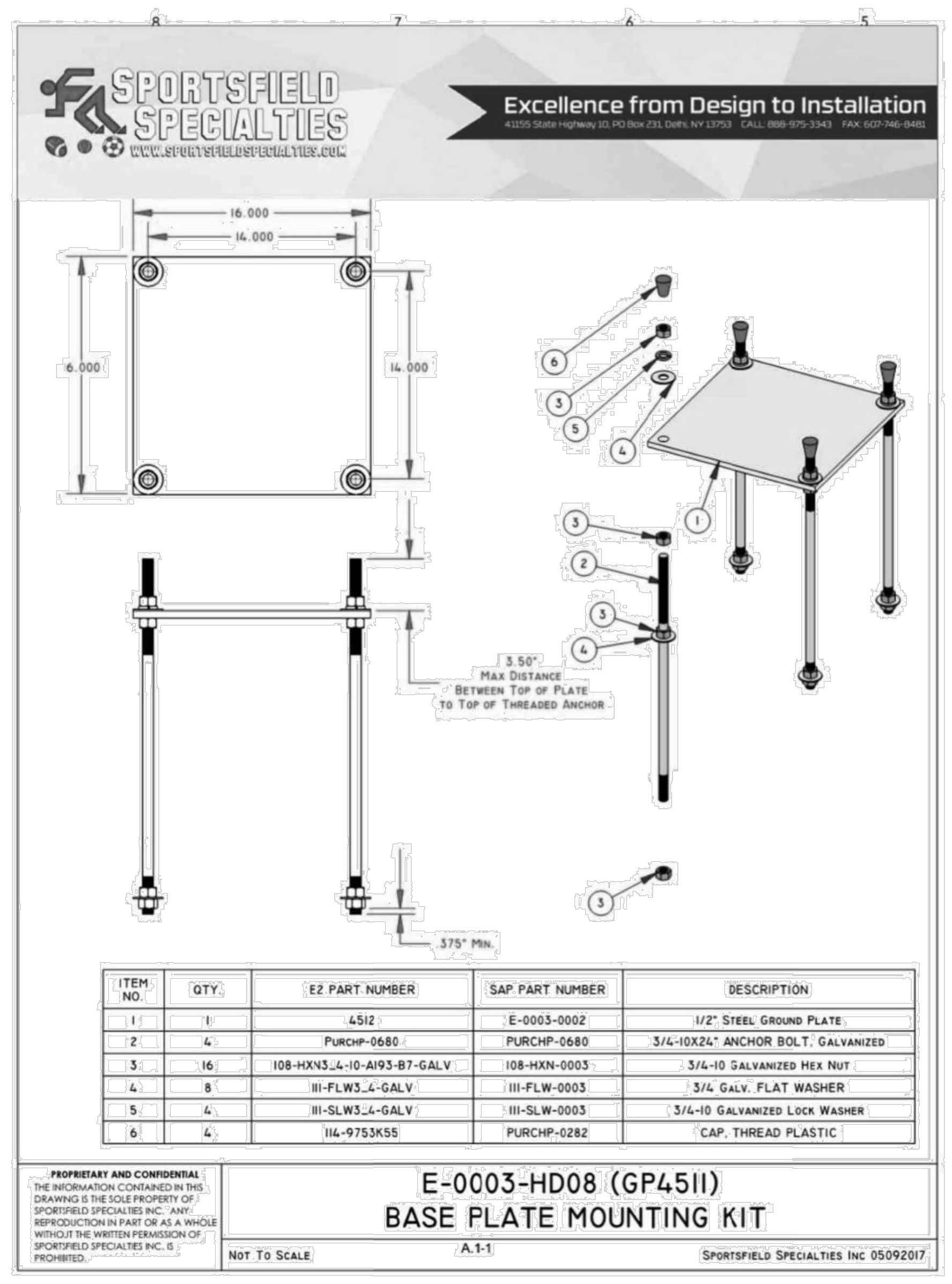
SHEET TITLE

SECTIONS AND DETAILS

SFPC-3

T:\ASDG Projects\Active Projects\23-017 Vista HS Track and Field Replacement\Archicad\23-017 VHS Track and Field Replacement.pln

Date: Dec 12, 2023, 10:50am - Drawing: S:\Projects\2022\2200333 - DSA 2022 PC for Football Goal Posts\DRAWINGS\AutoCAD\SFPC-4.dwg - Layout: SFPC-4 - Printed By: LGarayburu - Profile: KPFF-ARIAL - Job Name: DSA PC for Football Goal Posts - PM: JS - PD: FC/GN
Xrefs: 2200333TB.dwg


8
7
6
5
SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELDSPECIALTIES.COM
Excellence from Design to Installation
41155 State Highway 10, PO Box 231, Delhi, NY 13753 CALL: 888-975-3343 FAX: 607-746-8481
16.000
14.000
6.000
14.000
3.50" Max Distance Between Top of Plate to Top of Threaded Anchor
.375" Min.
1
2
3
4
5
6

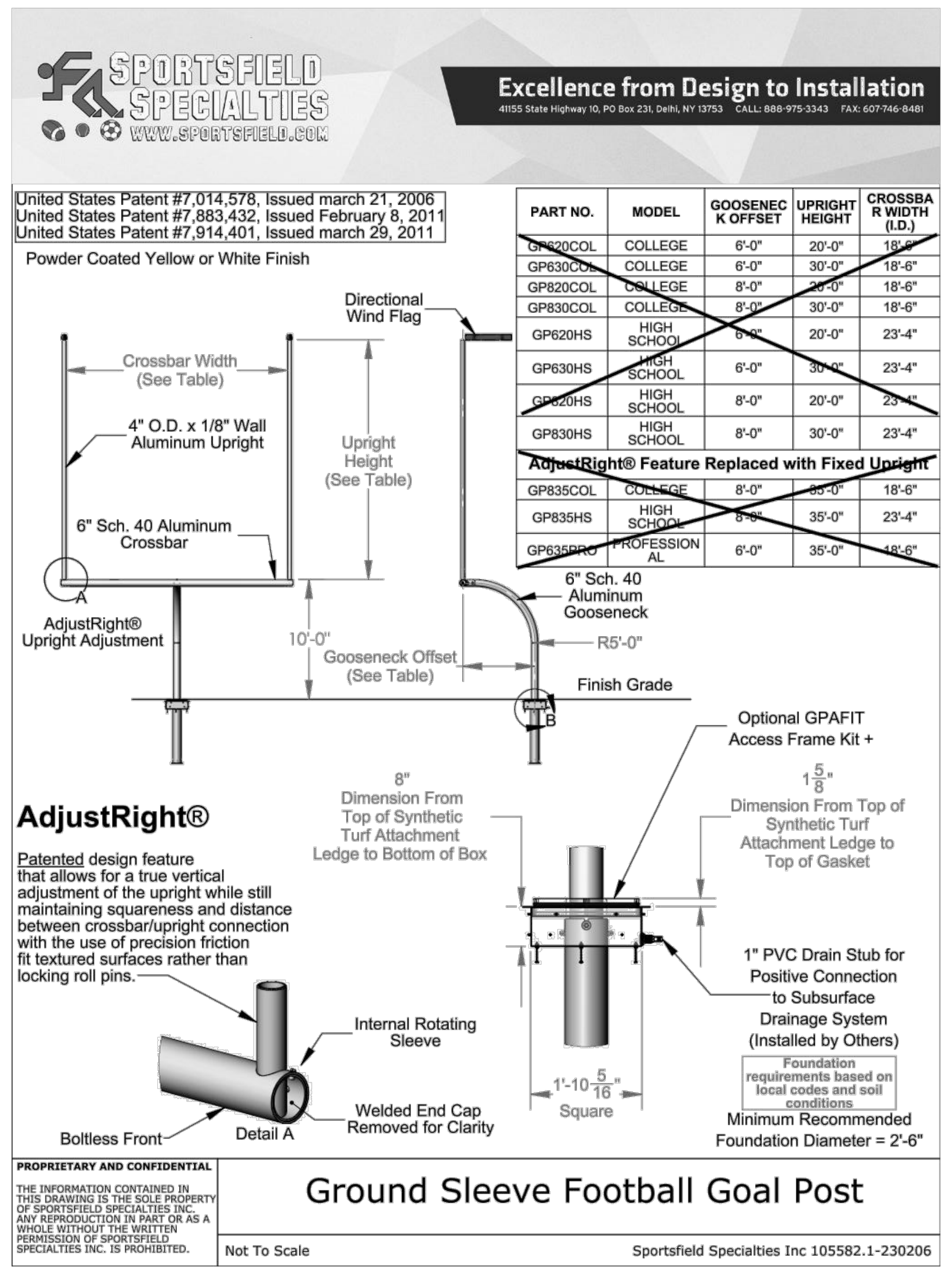
ITEM NO.	QTY.	E2 PART NUMBER	SAP PART NUMBER	DESCRIPTION
1	1	4512	E-0003-0002	1/2" Steel Ground Plate
2	4	Purchp-0680	PURCHP-0680	3/4-10X24" ANCHOR BOLT, Galvanized
3	16	108-HXN3_4-10-A193-B7-GALV	108-HXN-0003	3/4-10 Galvanized Hex Nut
4	8	111-FLW3_4-GALV	111-FLW-0003	3/4 Galv. FLAT WASHER
5	4	111-SLW3_4-GALV	111-SLW-0003	3/4-10 Galvanized Lock Washer
6	4	114-9753K55	PURCHP-0282	CAP, THREAD PLASTIC

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SPORTSFIELD SPECIALTIES INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SPORTSFIELD SPECIALTIES INC. IS PROHIBITED.

E-0003-HD08 (GP4511)
BASE PLATE MOUNTING KIT

Not To Scale A.1-1 Sportsfield Specialties Inc 05092017

SPORTSFIELD SPECIALTIES DETAIL NTS 5


SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELD.COM
Excellence from Design to Installation
41155 State Highway 10, PO Box 231, Delhi, NY 13753 CALL: 888-975-3343 FAX: 607-746-8481
Directional Wind Flag
Crossbar Width (See Table)
4" O.D. x 1/8" Wall Aluminum Upright
Upright Height (See Table)
6" Sch. 40 Aluminum Crossbar
A
AdjustRight® Upright Adjustment
10'-0"
Gooseneck Offset (See Table)
6" Sch. 40 Aluminum Gooseneck
R5'-0"
Finish Grade
B
Optional GPAFIT Access Frame Kit +
8" Dimension From Top of Synthetic Turf Attachment Ledge to Bottom of Box
1 5/8" Dimension From Top of Synthetic Turf Attachment Ledge to Top of Gasket
1" PVC Drain Stub for Positive Connection to Subsurface Drainage System (Installed by Others)
Foundation requirements based on local codes and soil conditions
Internal Rotating Sleeve
Welded End Cap Removed for Clarity
Boltless Front
Detail A
1'-10 5/16" Square

United States Patent #7,014,578, Issued march 21, 2006
United States Patent #7,883,432, Issued February 8, 2011
United States Patent #7,914,401, Issued march 29, 2011

Powder Coated Yellow or White Finish

PART NO.	MODEL	GOOSENECK OFFSET	UPRIGHT HEIGHT	CROSSBAR WIDTH (I.D.)
~~GP620COL~~	~~COLLEGE~~	~~6'-0"~~	~~20'-0"~~	~~18'-6"~~
~~GP630COL~~	~~COLLEGE~~	~~6'-0"~~	~~30'-0"~~	~~18'-6"~~
~~GP820COL~~	~~COLLEGE~~	~~8'-0"~~	~~20'-0"~~	~~18'-6"~~
~~GP830COL~~	~~COLLEGE~~	~~8'-0"~~	~~30'-0"~~	~~18'-6"~~
~~GP620HS~~	~~HIGH SCHOOL~~	~~6'-0"~~	~~20'-0"~~	~~23'-4"~~
~~GP630HS~~	~~HIGH SCHOOL~~	~~6'-0"~~	~~30'-0"~~	~~23'-4"~~
~~GP820HS~~	~~HIGH SCHOOL~~	~~8'-0"~~	~~20'-0"~~	~~23'-4"~~
GP830HS	HIGH SCHOOL	8'-0"	30'-0"	23'-4"
~~AdjustRight® Feature Replaced with Fixed Upright~~				
~~GP835COL~~	~~COLLEGE~~	~~8'-0"~~	~~35'-0"~~	~~18'-6"~~
~~GP835HS~~	~~HIGH SCHOOL~~	~~8'-0"~~	~~35'-0"~~	~~23'-4"~~
~~GP635PRO~~	~~PROFESSIONAL~~	~~6'-0"~~	~~35'-0"~~	~~18'-6"~~

AdjustRight®

Patented design feature that allows for a true vertical adjustment of the upright while still maintaining squareness and distance between crossbar/upright connection with the use of precision friction fit textured surfaces rather than locking roll pins.

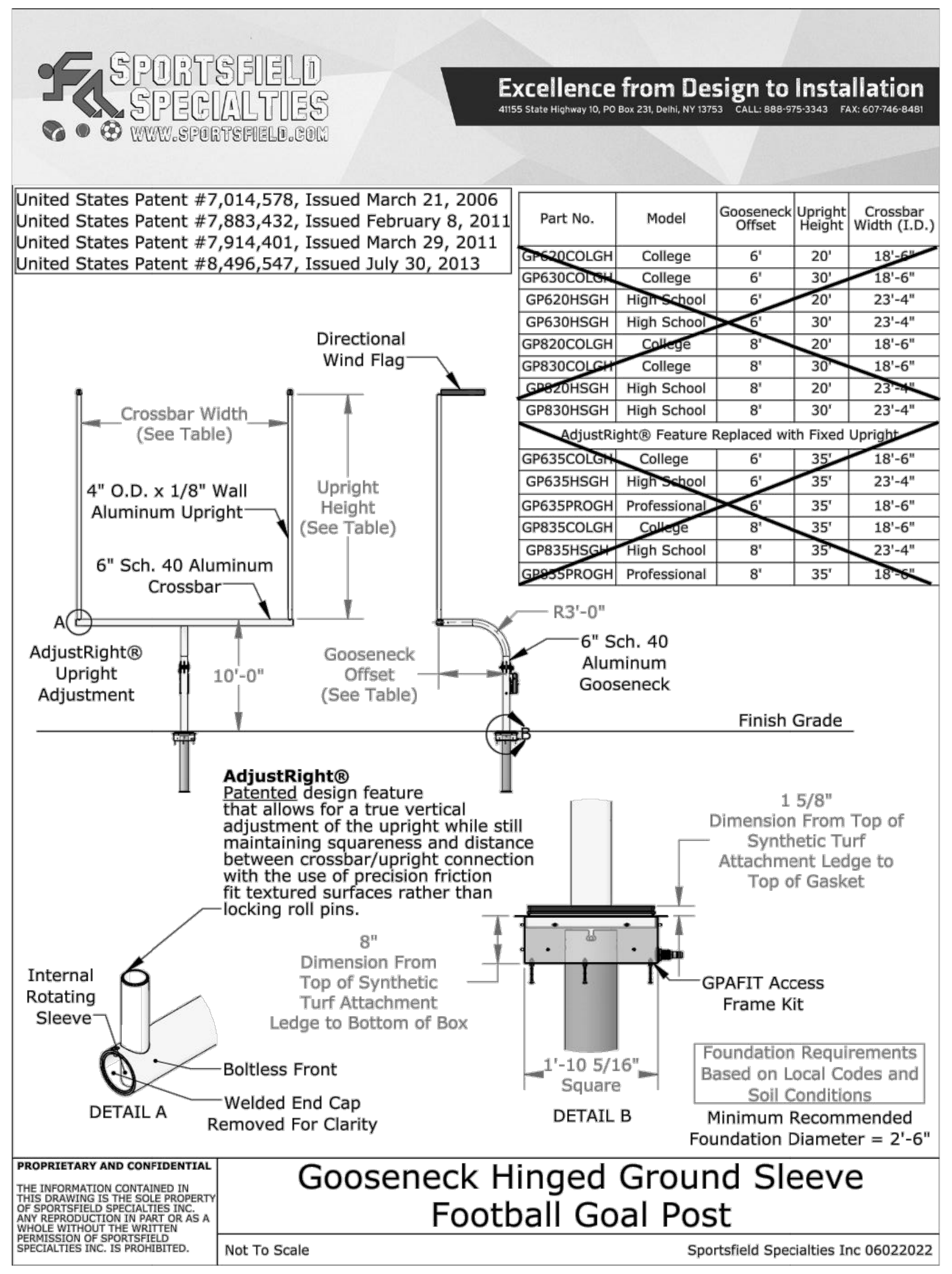
Minimum Recommended Foundation Diameter = 2'-6"

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SPORTSFIELD SPECIALTIES INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SPORTSFIELD SPECIALTIES INC. IS PROHIBITED.

Ground Sleeve Football Goal Post

Not To Scale Sportsfield Specialties Inc 105582.1-230206

SPORTSFIELD SPECIALTIES DETAIL NTS 3


SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELD.COM
Excellence from Design to Installation
41155 State Highway 10, PO Box 231, Delhi, NY 13753 CALL: 888-975-3343 FAX: 607-746-8481
Directional Wind Flag
Crossbar Width (See Table)
4" O.D. x 1/8" Wall Aluminum Upright
Upright Height (See Table)
6" Sch. 40 Aluminum Crossbar
A
AdjustRight® Upright Adjustment
10'-0"
Gooseneck Offset (See Table)
R3'-0"
6" Sch. 40 Aluminum Gooseneck
Finish Grade
B
Internal Rotating Sleeve
Boltless Front
DETAIL A
Welded End Cap Removed For Clarity
8" Dimension From Top of Synthetic Turf Attachment Ledge to Bottom of Box
1 5/8" Dimension From Top of Synthetic Turf Attachment Ledge to Top of Gasket
GPAFIT Access Frame Kit
1'-10 5/16" Square
DETAIL B
Foundation Requirements Based on Local Codes and Soil Conditions

United States Patent #7,014,578, Issued March 21, 2006
United States Patent #7,883,432, Issued February 8, 2011
United States Patent #7,914,401, Issued March 29, 2011
United States Patent #8,496,547, Issued July 30, 2013

Part No.	Model	Gooseneck Offset	Upright Height	Crossbar Width (I.D.)
~~GP620COLGH~~	~~College~~	~~6'~~	~~20'~~	~~18'-6"~~
~~GP630COLGH~~	~~College~~	~~6'~~	~~30'~~	~~18'-6"~~
~~GP620HSGH~~	~~High School~~	~~6'~~	~~20'~~	~~23'-4"~~
~~GP630HSGH~~	~~High School~~	~~6'~~	~~30'~~	~~23'-4"~~
~~GP820COLGH~~	~~College~~	~~8'~~	~~20'~~	~~18'-6"~~
~~GP830COLGH~~	~~College~~	~~8'~~	~~30'~~	~~18'-6"~~
~~GP820HSGH~~	~~High School~~	~~8'~~	~~20'~~	~~23'-4"~~
GP830HSGH	High School	8'	30'	23'-4"
~~AdjustRight® Feature Replaced with Fixed Upright~~				
~~GP635COLGH~~	~~College~~	~~6'~~	~~35'~~	~~18'-6"~~
~~GP635HSGH~~	~~High School~~	~~6'~~	~~35'~~	~~23'-4"~~
~~GP635PROGH~~	~~Professional~~	~~6'~~	~~35'~~	~~18'-6"~~
~~GP835COLGH~~	~~College~~	~~8'~~	~~35'~~	~~18'-6"~~
~~GP835HSGH~~	~~High School~~	~~8'~~	~~35'~~	~~23'-4"~~
~~GP835PROGH~~	~~Professional~~	~~8'~~	~~35'~~	~~18'-6"~~

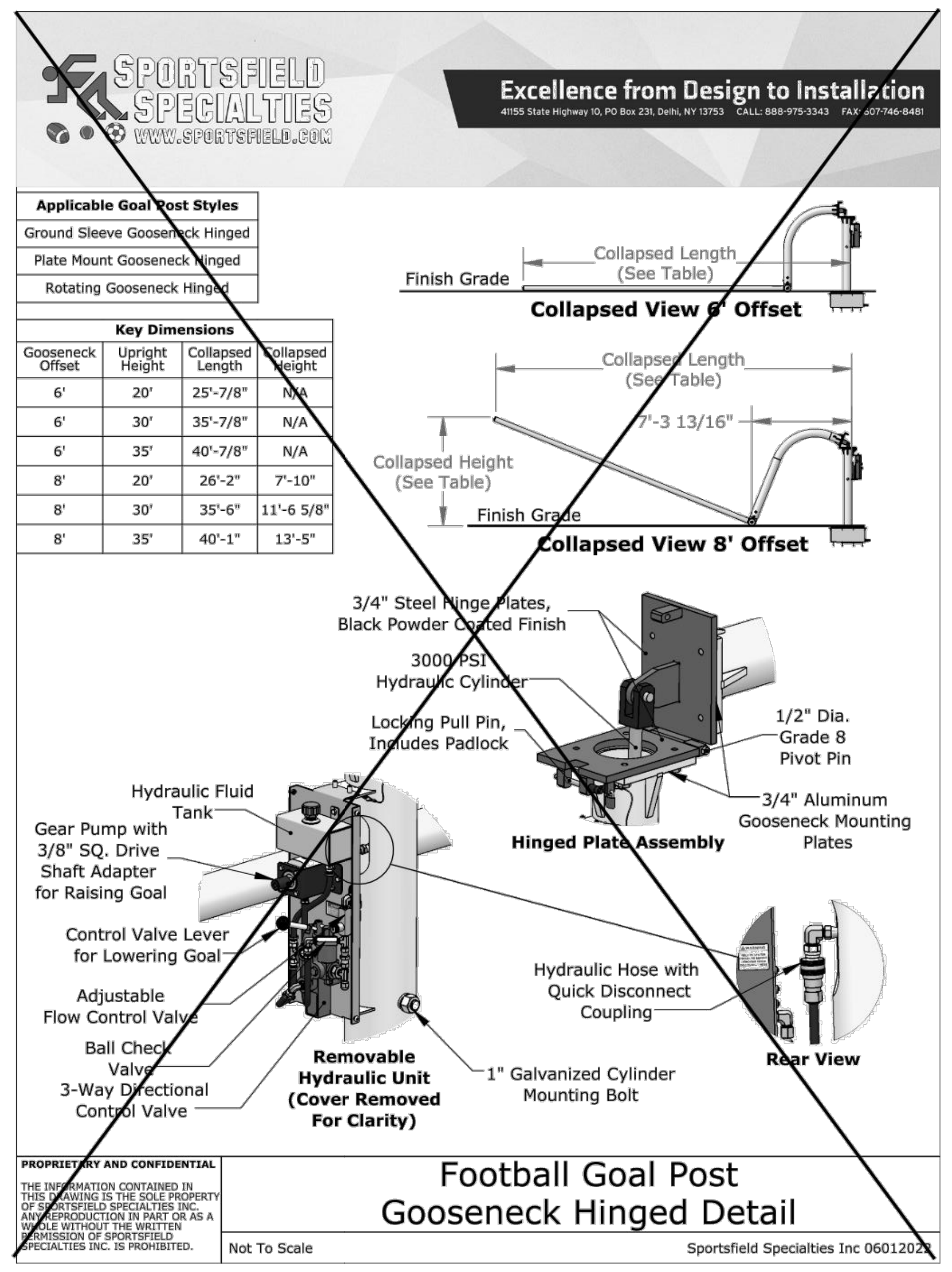
AdjustRight®
Patented design feature that allows for a true vertical adjustment of the upright while still maintaining squareness and distance between crossbar/upright connection with the use of precision friction fit textured surfaces rather than locking roll pins.

Minimum Recommended Foundation Diameter = 2'-6"

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SPORTSFIELD SPECIALTIES INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SPORTSFIELD SPECIALTIES INC. IS PROHIBITED.

Gooseneck Hinged Ground Sleeve
Football Goal Post

Not To Scale Sportsfield Specialties Inc 06022022


SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELD.COM
Excellence from Design to Installation
41155 State Highway 10, PO Box 231, Delhi, NY 13753 CALL: 888-975-3343 FAX: 607-746-8481
Finish Grade
Collapsed Length (See Table)
Collapsed View 6' Offset
Collapsed Length (See Table)
7'-3 13/16"
Collapsed Height (See Table)
Finish Grade
Collapsed View 8' Offset
3/4" Steel Hinge Plates, Black Powder Coated Finish
3000 PSI Hydraulic Cylinder
Locking Pull Pin, Includes Padlock
1/2" Dia. Grade 8 Pivot Pin
3/4" Aluminum Gooseneck Mounting Plates
Hinged Plate Assembly
Hydraulic Fluid Tank
Gear Pump with 3/8" SQ. Drive Shaft Adapter for Raising Goal
Control Valve Lever for Lowering Goal
Adjustable Flow Control Valve
Ball Check Valve
3-Way Directional Control Valve
Removable Hydraulic Unit (Cover Removed For Clarity)
1" Galvanized Cylinder Mounting Bolt
Hydraulic Hose with Quick Disconnect Coupling
Rear View

Applicable Goal Post Styles
Ground Sleeve Gooseneck Hinged
Plate Mount Gooseneck Hinged
Rotating Gooseneck Hinged

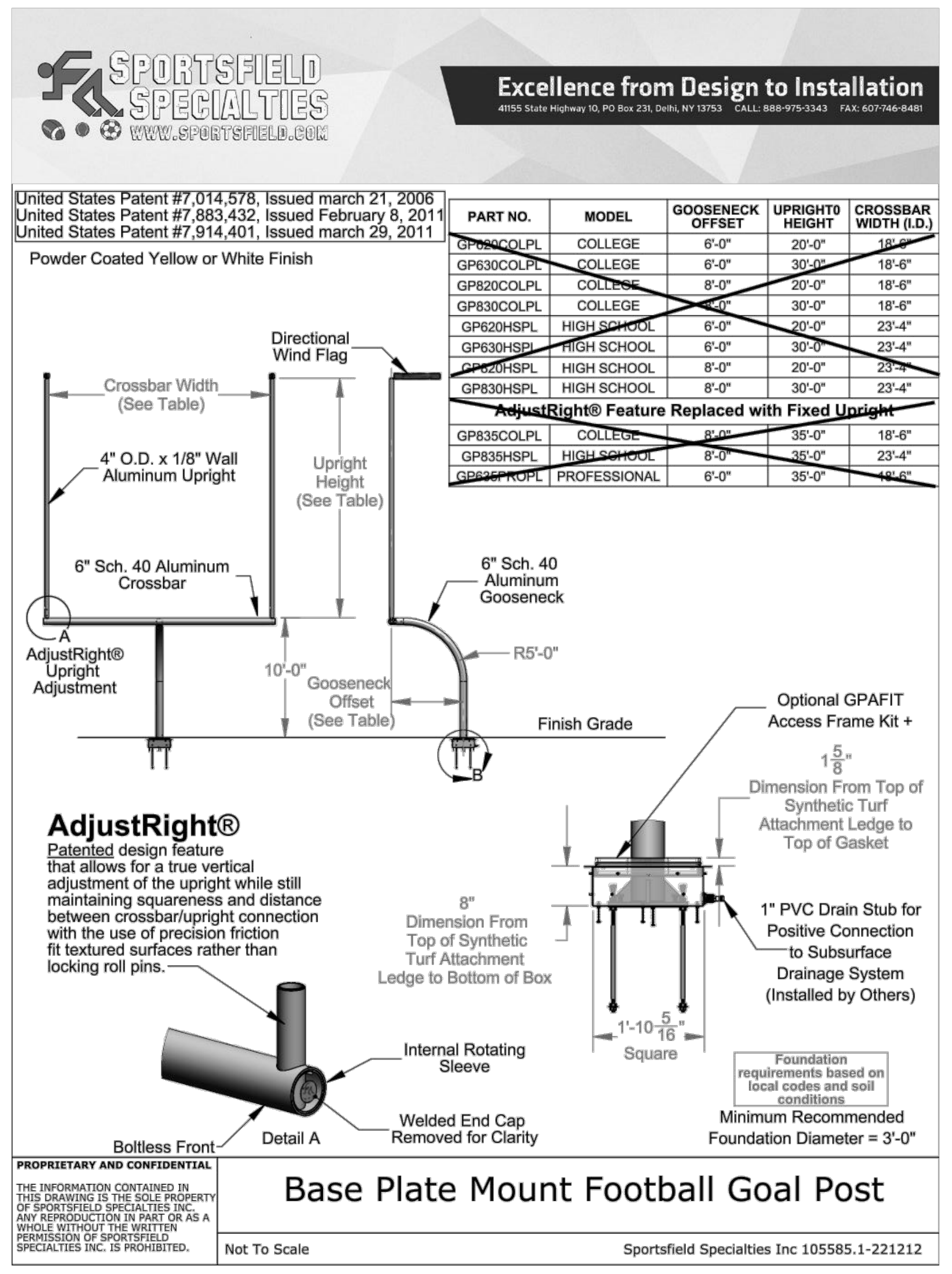
Key Dimensions			
Gooseneck Offset	Upright Height	Collapsed Length	Collapsed Height
6'	20'	25'-7/8"	N/A
6'	30'	35'-7/8"	N/A
6'	35'	40'-7/8"	N/A
8'	20'	26'-2"	7'-10"
8'	30'	35'-6"	11'-6 5/8"
8'	35'	40'-1"	13'-5"

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SPORTSFIELD SPECIALTIES INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SPORTSFIELD SPECIALTIES INC. IS PROHIBITED.

Football Goal Post
Gooseneck Hinged Detail

Not To Scale Sportsfield Specialties Inc 06012022

SPORTSFIELD SPECIALTIES DETAIL NTS 1


SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELD.COM
Excellence from Design to Installation
41155 State Highway 10, PO Box 231, Delhi, NY 13753 CALL: 888-975-3343 FAX: 607-746-8481
Directional Wind Flag
Crossbar Width (See Table)
4" O.D. x 1/8" Wall Aluminum Upright
Upright Height (See Table)
6" Sch. 40 Aluminum Crossbar
A
AdjustRight® Upright Adjustment
10'-0"
Gooseneck Offset (See Table)
6" Sch. 40 Aluminum Gooseneck
R5'-0"
Finish Grade
Optional GPAFIT Access Frame Kit +
8" Dimension From Top of Synthetic Turf Attachment Ledge to Bottom of Box
1 5/8" Dimension From Top of Synthetic Turf Attachment Ledge to Top of Gasket
1" PVC Drain Stub for Positive Connection to Subsurface Drainage System (Installed by Others)
Foundation requirements based on local codes and soil conditions
Internal Rotating Sleeve
Welded End Cap Removed for Clarity
Boltless Front
Detail A
1'-10 5/16" Square

United States Patent #7,014,578, Issued march 21, 2006
United States Patent #7,883,432, Issued February 8, 2011
United States Patent #7,914,401, Issued march 29, 2011

Powder Coated Yellow or White Finish

PART NO.	MODEL	GOOSENECK OFFSET	UPRIGHT0 HEIGHT	CROSSBAR WIDTH (I.D.)
~~GP620COLPL~~	~~COLLEGE~~	~~6'-0"~~	~~20'-0"~~	~~18'-6"~~
~~GP630COLPL~~	~~COLLEGE~~	~~6'-0"~~	~~30'-0"~~	~~18'-6"~~
~~GP820COLPL~~	~~COLLEGE~~	~~8'-0"~~	~~20'-0"~~	~~18'-6"~~
~~GP830COLPL~~	~~COLLEGE~~	~~8'-0"~~	~~30'-0"~~	~~18'-6"~~
~~GP620HSPL~~	~~HIGH SCHOOL~~	~~6'-0"~~	~~20'-0"~~	~~23'-4"~~
~~GP630HSPL~~	~~HIGH SCHOOL~~	~~6'-0"~~	~~30'-0"~~	~~23'-4"~~
~~GP820HSPL~~	~~HIGH SCHOOL~~	~~8'-0"~~	~~20'-0"~~	~~23'-4"~~
GP830HSPL	HIGH SCHOOL	8'-0"	30'-0"	23'-4"
~~AdjustRight® Feature Replaced with Fixed Upright~~				
~~GP835COLPL~~	~~COLLEGE~~	~~8'-0"~~	~~35'-0"~~	~~18'-6"~~
~~GP835HSPL~~	~~HIGH SCHOOL~~	~~8'-0"~~	~~35'-0"~~	~~23'-4"~~
~~GP635PROPL~~	~~PROFESSIONAL~~	~~6'-0"~~	~~35'-0"~~	~~18'-6"~~

AdjustRight®

Patented design feature that allows for a true vertical adjustment of the upright while still maintaining squareness and distance between crossbar/upright connection with the use of precision friction fit textured surfaces rather than locking roll pins.

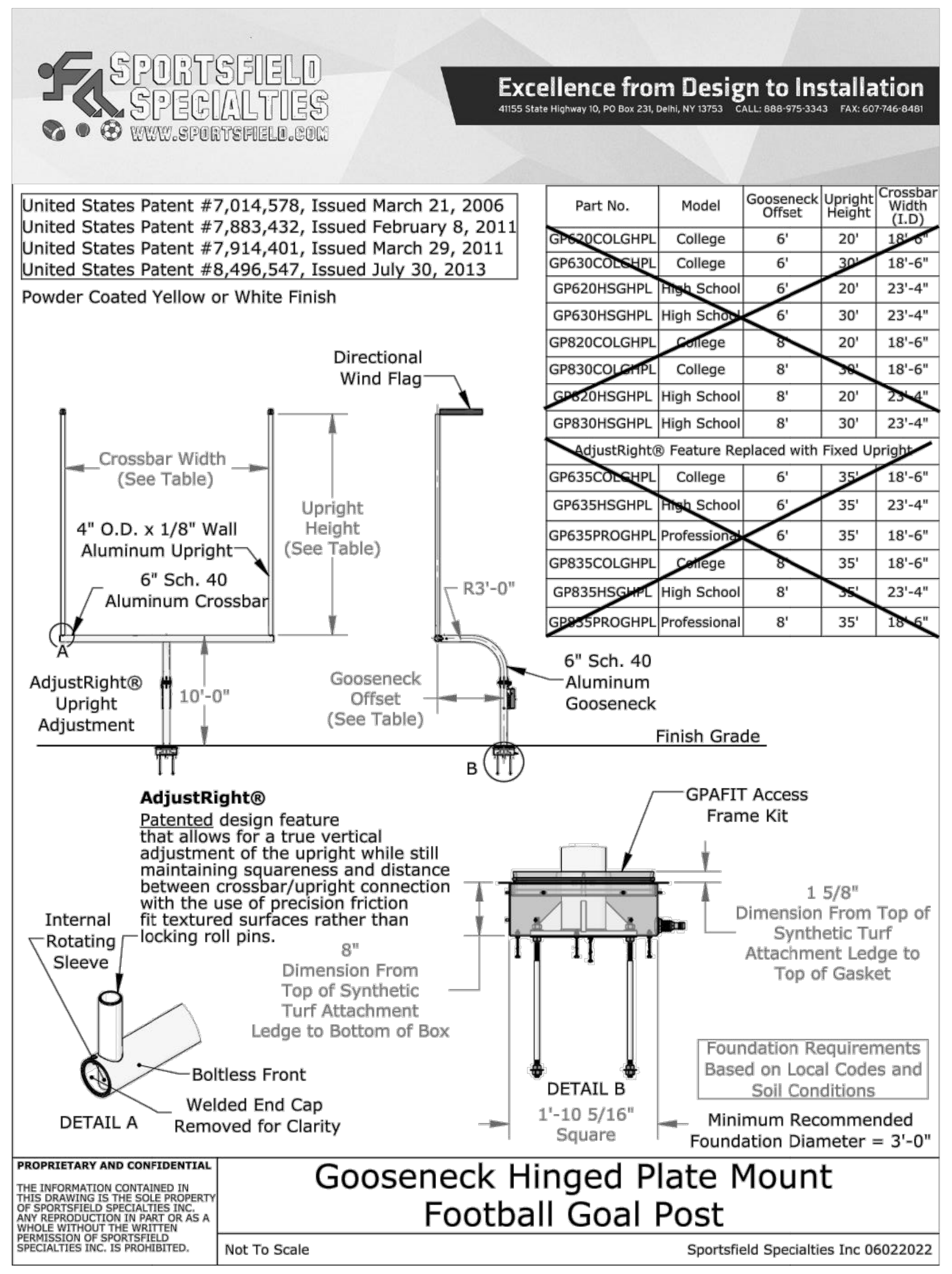
Minimum Recommended Foundation Diameter = 3'-0"

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SPORTSFIELD SPECIALTIES INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SPORTSFIELD SPECIALTIES INC. IS PROHIBITED.

Base Plate Mount Football Goal Post

Not To Scale Sportsfield Specialties Inc 105585.1-221212

SPORTSFIELD SPECIALTIES DETAIL NTS 4


SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELD.COM
Excellence from Design to Installation
41155 State Highway 10, PO Box 231, Delhi, NY 13753 CALL: 888-975-3343 FAX: 607-746-8481
Directional Wind Flag
Crossbar Width (See Table)
4" O.D. x 1/8" Wall Aluminum Upright
Upright Height (See Table)
6" Sch. 40 Aluminum Crossbar
A
AdjustRight® Upright Adjustment
10'-0"
Gooseneck Offset (See Table)
R3'-0"
6" Sch. 40 Aluminum Gooseneck
Finish Grade
B
GPAFIT Access Frame Kit
Internal Rotating Sleeve
Boltless Front
DETAIL A
Welded End Cap Removed for Clarity
8" Dimension From Top of Synthetic Turf Attachment Ledge to Bottom of Box
1 5/8" Dimension From Top of Synthetic Turf Attachment Ledge to Top of Gasket
DETAIL B
1'-10 5/16" Square
Foundation Requirements Based on Local Codes and Soil Conditions

United States Patent #7,014,578, Issued March 21, 2006
United States Patent #7,883,432, Issued February 8, 2011
United States Patent #7,914,401, Issued March 29, 2011
United States Patent #8,496,547, Issued July 30, 2013

Powder Coated Yellow or White Finish

Part No.	Model	Gooseneck Offset	Upright Height	Crossbar Width (I.D)
~~GP620COLGHPL~~	~~College~~	~~6'~~	~~20'~~	~~18'-6"~~
~~GP630COLGHPL~~	~~College~~	~~6'~~	~~30'~~	~~18'-6"~~
~~GP620HSGHPL~~	~~High School~~	~~6'~~	~~20'~~	~~23'-4"~~
~~GP630HSGHPL~~	~~High School~~	~~6'~~	~~30'~~	~~23'-4"~~
~~GP820COLGHPL~~	~~College~~	~~8'~~	~~20'~~	~~18'-6"~~
~~GP830COLGHPL~~	~~College~~	~~8'~~	~~30'~~	~~18'-6"~~
~~GP820HSGHPL~~	~~High School~~	~~8'~~	~~20'~~	~~23'-4"~~
GP830HSGHPL	High School	8'	30'	23'-4"
~~AdjustRight® Feature Replaced with Fixed Upright~~				
~~GP635COLGHPL~~	~~College~~	~~6'~~	~~35'~~	~~18'-6"~~
~~GP635HSGHPL~~	~~High School~~	~~6'~~	~~35'~~	~~23'-4"~~
~~GP635PROGHPL~~	~~Professional~~	~~6'~~	~~35'~~	~~18'-6"~~
~~GP835COLGHPL~~	~~College~~	~~8'~~	~~35'~~	~~18'-6"~~
~~GP835HSGHPL~~	~~High School~~	~~8'~~	~~35'~~	~~23'-4"~~
~~GP835PROGHPL~~	~~Professional~~	~~8'~~	~~35'~~	~~18'-6"~~

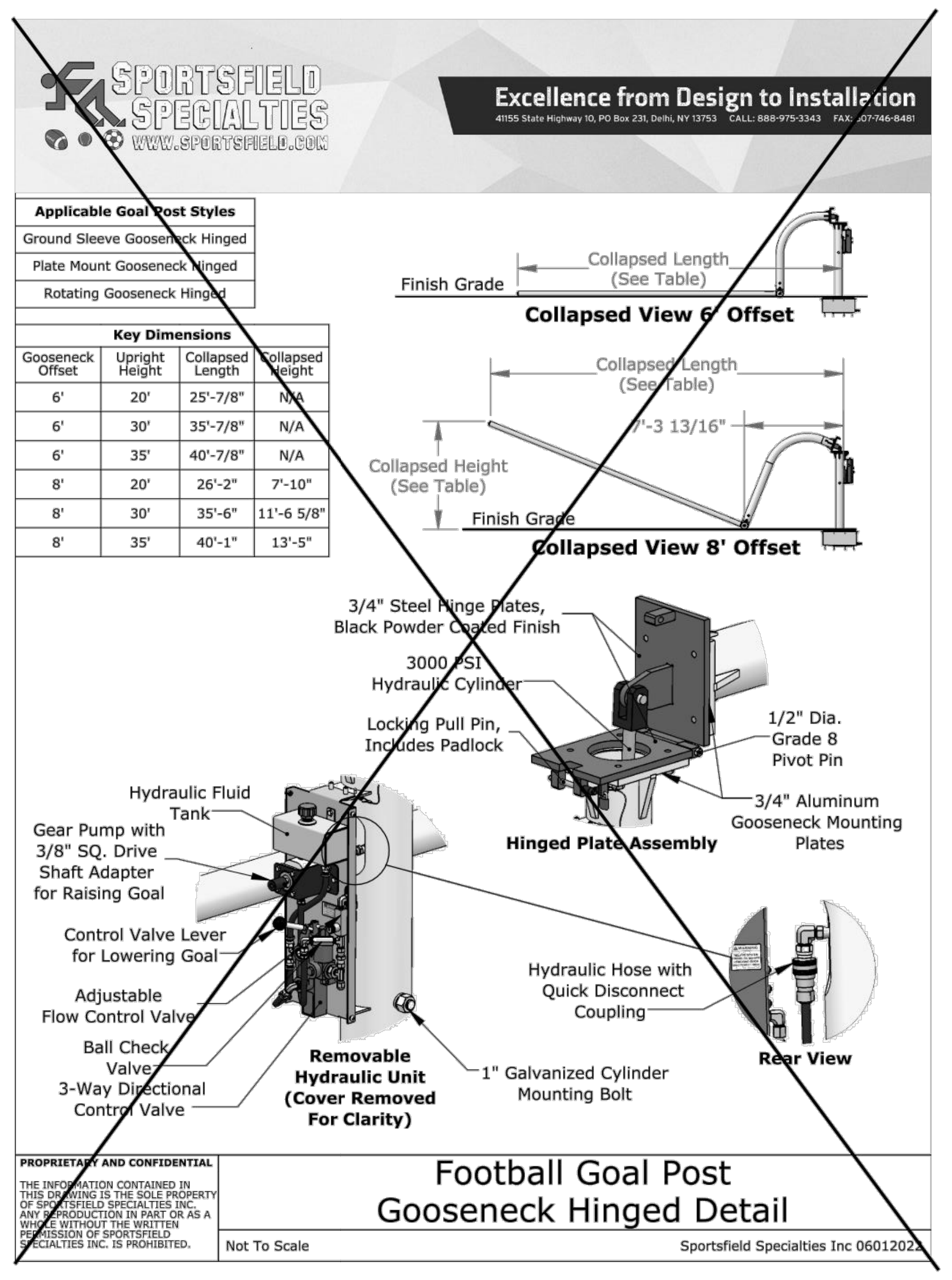
AdjustRight®
Patented design feature that allows for a true vertical adjustment of the upright while still maintaining squareness and distance between crossbar/upright connection with the use of precision friction fit textured surfaces rather than locking roll pins.

Minimum Recommended Foundation Diameter = 3'-0"

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SPORTSFIELD SPECIALTIES INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SPORTSFIELD SPECIALTIES INC. IS PROHIBITED.

Gooseneck Hinged Plate Mount
Football Goal Post

Not To Scale Sportsfield Specialties Inc 06022022


SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELD.COM
Excellence from Design to Installation
41155 State Highway 10, PO Box 231, Delhi, NY 13753 CALL: 888-975-3343 FAX: 607-746-8481
Finish Grade
Collapsed Length (See Table)
Collapsed View 6' Offset
Collapsed Length (See Table)
7'-3 13/16"
Collapsed Height (See Table)
Finish Grade
Collapsed View 8' Offset
3/4" Steel Hinge Plates, Black Powder Coated Finish
3000 PSI Hydraulic Cylinder
Locking Pull Pin, Includes Padlock
1/2" Dia. Grade 8 Pivot Pin
3/4" Aluminum Gooseneck Mounting Plates
Hinged Plate Assembly
Hydraulic Fluid Tank
Gear Pump with 3/8" SQ. Drive Shaft Adapter for Raising Goal
Control Valve Lever for Lowering Goal
Adjustable Flow Control Valve
Ball Check Valve
3-Way Directional Control Valve
Removable Hydraulic Unit (Cover Removed For Clarity)
1" Galvanized Cylinder Mounting Bolt
Hydraulic Hose with Quick Disconnect Coupling
Rear View

Applicable Goal Post Styles
Ground Sleeve Gooseneck Hinged
Plate Mount Gooseneck Hinged
Rotating Gooseneck Hinged

Key Dimensions			
Gooseneck Offset	Upright Height	Collapsed Length	Collapsed Height
6'	20'	25'-7/8"	N/A
6'	30'	35'-7/8"	N/A
6'	35'	40'-7/8"	N/A
8'	20'	26'-2"	7'-10"
8'	30'	35'-6"	11'-6 5/8"
8'	35'	40'-1"	13'-5"

PROPRIETARY AND CONFIDENTIAL
THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SPORTSFIELD SPECIALTIES INC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SPORTSFIELD SPECIALTIES INC. IS PROHIBITED.

Football Goal Post
Gooseneck Hinged Detail

Not To Scale Sportsfield Specialties Inc 06012022

SPORTSFIELD SPECIALTIES DETAIL NTS 2

Project Specific Approval

PRE-CHECKED
FOOTBALL GOAL POSTS

Owner

SPORTSFIELD SPECIALTIES
WWW.SPORTSFIELDSPECIALTIES.COM
41155 State Highway 10,
PO Box 231 Delhi, NY 13753

Issue/Revision

Issue No.	Rev. No.	Description	Date
		DSA SUBMITTAL	09/19/2023

~~APPROVED~~
~~DIV. OF THE STATE ARCHITECT~~
~~APP: 04-122813 PC~~
~~REVIEWED FOR~~
~~SS ☑ FLS ☑ ACS ☑ CG ☐~~
~~DATE: 12/19/2023~~

kpff
18400 Von Karman Ave., Suite 600
Irvine, CA 92612
O: 949.252.1022
F: 949.252.8082
www.kpff.com

PRE-CHECK (PC) DOCUMENT

CODE: 2022 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

Seal/Signature

Exp. 3-31-24

Sheet Title:
SPORTSFIELD SPECIALTIES DETAILS

Designed By: CE/JS	Project Number: 2200333
Drawn By: FC	Scale: AS NOTED
Checked By: WT	Sheet Number: SFPC-4
Date: 2023-06-06	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-122827 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 12/18/2024

ALPHASTUDIO DESIGN GROUP

6152 INNOVATION WAY
CARLSBAD, 92009
760-431-2444
www.alphastudio-design.com

ARCHITECT OF RECORD

JOSHUA T. ECKLE
No. C31020
EXP. 12/25

ENGINEER OF RECORD

TRACK AND FIELD REPLACEMENT
RANCHO BUENA VISTA HIGH SCHOOL
1601 LONGHORN DRIVE
VISTA, CALIFORNIA 92081

VISTA UNIFIED SCHOOL DISTRICT
1234 ARCADIA AVE VISTA CALIFORNIA 92084

REVISIONS

MARK	DATE	DESCRIPTION
	11-15-24	V2 SUBMITTAL
	12-16-24	V3 SUBMITTAL

PROJECT NO: 23-015
MODEL FILE:
23-015 RBVHS Track and Field Replacement.pln

PLOT DATE:
10-30-23

SHEET TITLE
SPORTFIELD
SPECIALTIES
DETAILS

SFPC-4