JOHN MUIR ELEMENTARY SCHOOL
PAVING PROJECT
LODI USD

2303 WHISTLER WAY
STOCKTON, CA 95209

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE	JP	JOINT UTILITY POLE
AC	ASPHALTIC CONCRETE	LF	LINEAL FEET
AD	AREA DRAIN	LIP	LIP OF GUTTER
APN	ASSESSOR'S PARCEL NUMBER	LT	LEFT
ARV	AIR RELEASE VALVE	MS	MOWSTRIP
ASB	AGGREGATE SUB-BASE	NTS	NOT TO SCALE
BO	BLOW-OFF VALVE	OH	OVERHEAD
BV	BUTTERFLY VALVE	PCC	PORTLAND CEMENT CONCRETE
BW	BACK OF WALK	PD	PLANTER DRAIN
C/L	CENTERLINE	PIV	POST INDICATOR VALVE
CB	CATCH BASIN	P/L	PROPERTY LINE
CL	CLASS	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PUE	PUBLIC UTILITY EASEMENT
CATV	CABLE TELEVISION	PVC	POLYVINYL CHLORIDE
CO	CLEANOUT	RCP	REINFORCED CONCRETE PIPE
COMM	COMMUNICATION	r	RADIUS
CONC.	CONCRETE	RIM	MANHOLE RIM ELEVATION
CONST.	CONSTRUCT	RP	REDUCED PRESSURE BACKFLOW PREVENTER
CR	CURB RETURN	RW	RIGHT OF WAY
CS	CONCRETE SURFACE	SCH	SCHEDULE
DC	DOUBLE CHECK VALVE	SD	STORM DRAIN
DDC	DOUBLE DETECTOR CHECK VALVE	SDMH	STORM DRAIN MANHOLE
DG	DECOMPOSED GRANITE	SG	SUBGRADE ELEVATION
DI	DROP INLET	si	SIDE INLET
DIA	DIAMETER	SS	SANITARY SEWER
DIP	DUCTILE IRON PIPE	SSMH	SANITARY SEWER MANHOLE
DWG	DRAWING	STD	STANDARD
DS	DOWNSPOUT	S/W	SIDEWALK
E	ELECTRIC	T	TELEPHONE
EP	EDGE OF PAVEMENT	TC	TOP OF CURB
ESMT	EASEMENT	TD	TRENCH DRAIN
EX	EXISTING	TDCB	TRENCH DRAIN CATCH BASIN
FS	FIRE SERVICE LINE	TP	TELEPHONE POLE
FDC	FIRE DEPARTMENT CONNECTION	TRW	TOP OF RETAINING WALL
FL	FLOWLINE	TSW	TOP OF SEAT WALK
FM	SANITARY SEWER FORCE MAIN	TW	TOP OF WALK ELEVATION
FF	FINISHED FLOOR ELEVATION	U	UTILITY
FH	FIRE HYDRANT	UG	UNDERGROUND
G	GAS	UON	UNLESS OTHERWISE NOTED
GR	GRATE ELEVATION	VCP	VITRIFIED CLAY PIPE
GRD	GRADE ELEVATION	W	WATER
GV	GATE VALVE	W/	WITH
HB	HOSE BIBB	W/O	WITHOUT
HBD	HEADER BOARD	WV	WATER VALVE
HDPE	HIGH DENSITY POLYETHYLENE PIPE		
HP	HIGH POINT		
INV	PIPE INVERT ELEVATION		

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD — STORM DRAIN LINE (SIZE AND FLOW SHOWN)
- STORM DRAIN MANHOLE (SDMH)
- CATCH BASIN (CB)
- DROP INLET (DI)
- AREA DRAIN (AD)
- PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
- CO — STORM DRAIN CLEANOUT
- 99.99 — ELEVATION
- FF=100.00 — FINISHED FLOOR ELEVATION
- PAD=99.33 — BUILDING PAD ELEVATION
- CONCRETE SIDEWALK
- GRADED DIRECTION FOR DRAINAGE FLOW
- SWALE
- SLOPE
- TREE TO BE REMOVED
- SAVE — TREE TO REMAIN
- RETAINING WALL
- O.R. — OVERLAND RELEASE PATH

PROPOSED WATER SYMBOLS:

NONE – N/A

PROPOSED SANITARY SEWER SYMBOLS:

NONE – N/A

FILENAME: I:\20-124\CIVIL\DWG\20-124 C0.0.DWG

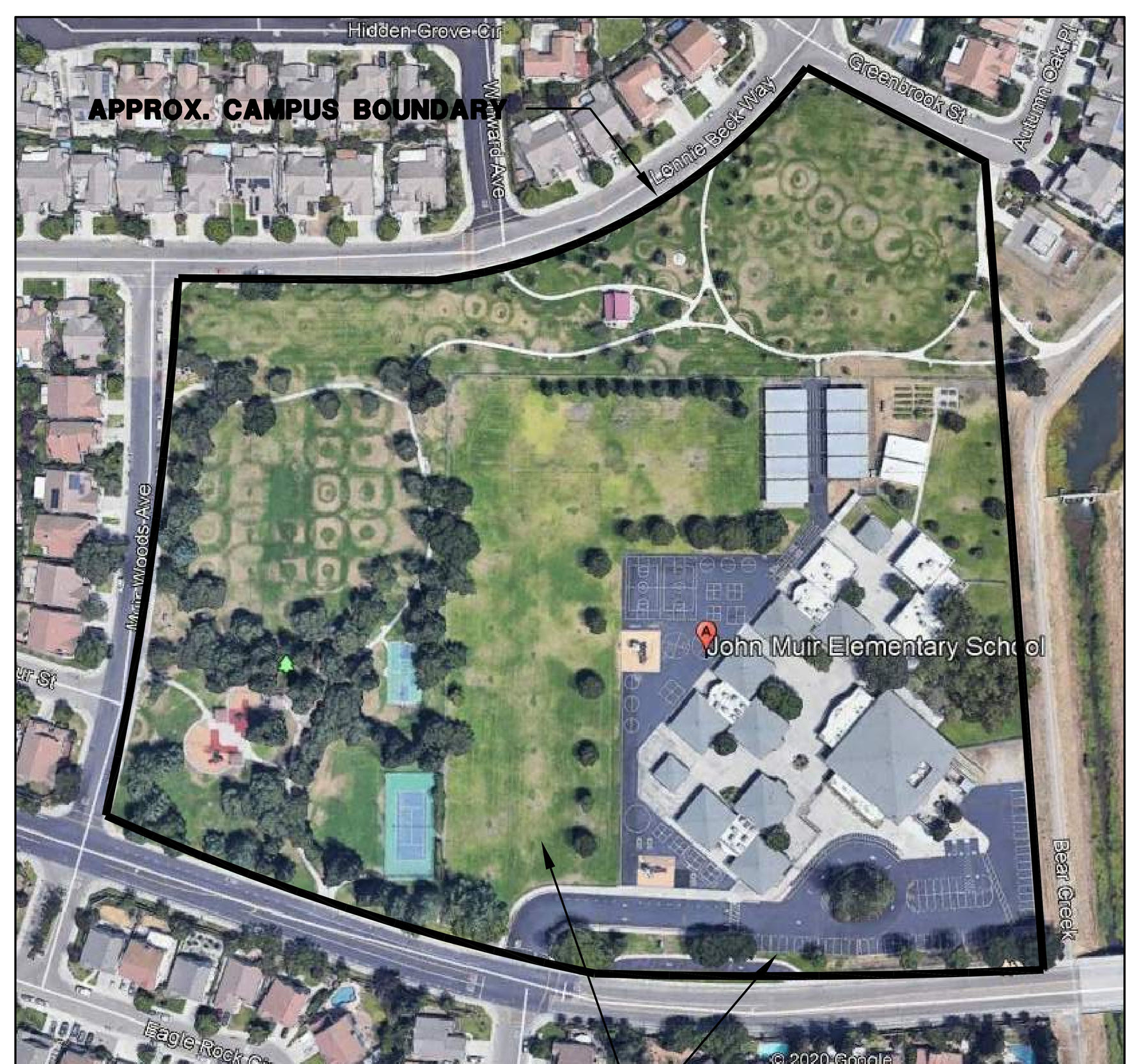
VICINITY MAP



PROJECT LOCATION
2303 WHISTLER ROAD
STOCKTON, CA 95209

NORTH **NOT TO SCALE**

SITE MAP



APPROX. PROJECT AREA

NORTH **NOT TO SCALE**

APPLICABLE CODES & STANDARDS

BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2012 INTERNATIONAL BUILDING CODE VOLUME 1–2 AND 2013 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA PLUMBING CODE (CBC), PART 5, TITLE 24 C.C.R.
(2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
(2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)

2016 GREEN CALIFORNIA BUILDING STANDARDS, CALGREEN CODE, TITLE 24, PART 11

2016 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

PROJECT NARRATIVE

THE PROJECT CONSISTS OF:

1. CONSTRUCTION OF NEW PARKING LOT, DRIVEWAYS AND VARIOUS CONCRETE PATHWAYS, WITH NEW CONCRETE AND ASPHALT PAVING AND STRIPING.
2. ACCESSIBLE PATH OF TRAVEL UPGRADES HAVE BEEN PROVIDED AS REQUIRED BY CBC 2019, 11B–202.4.

THERE ARE NO NEW OR EXISTING BUILDINGS, BUILT, UPGRADED OR MODERNIZED BY THIS SET OF PLANS, ONLY PAVEMENT REPLACEMENT AND ACCESSIBILITY UPGRADES TO COMPONENTS OF THE EXISTING PATHS OF TRAVEL WITHIN THE PROJECT SCOPE.

APPLICABLE REGULATIONS

A. ADDENDA AND CHANGE ORDER PER SECTION 4–338.

B. INSPECTOR APPROVAL BY D.S.A. INSPECTOR AND CONTINUOUS INSPECTION OF WORK PER SECTION 4–333(B) AND 4–342, DUTIES OF PROJECT INSPECTOR.

C. TESTS AND TESTING LABORATORY PER SECTION 4–335 (DISTRICT SHALL PAY FOR THE TESTING LABORATORY).

D. SPECIAL INSPECTIONS PER SECTION 4–333(C).

E. CONTRACTOR SHALL SUBMIT VERIFIED REPORTS PER SECTION 4–336 AND 4–343(C), DUTIES OF THE CONTRACTOR.

F. DUTIES OF THE PROFESSIONAL ENGINEER (P.E.) SECTION 4–333(A) AND 4–341.

G. GOVERNING CODES TITLES 24, C.C.R.

H. A COPY OF TITLE 24 PART 1 AND PART 2 SHALL BE KEPT ON SITE AND AVAILABLE AT ALL TIME DURING CONSTRUCTION.

I. D.S.A. SHALL BE NOTIFIED OF START OF CONSTRUCTION PER SECTION 4–331.

J. SUPERVISION BY THE DIVISION OF STATE ARCHITECTS (D.S.A.) PER SECTION 4–334.

K. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS ARE TO GIVE DIRECTION TO CONSTRUCT THE IMPROVEMENTS SHOWN HEREIN FOR ACCESSIBILITY IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP WHICH ARE NOT COVERED BY THE CONTRACT DOCUMENTS, SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TOO, AND APPROVED BY D.S.A. BEFORE PROCEEDING WITH WORK.

DEFERRED APPROVALS

NONE

STATEMENTS:

NONE

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1–800–227–2600, OR 811.

811 Know what's **below.** **Call** before you dig.

2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE 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: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE–BID AND PRE–CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE–DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS–BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS–BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS–BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3–1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780–01. GALVANIZING PAINTS WILL NOT BE ALLOWED.

GENERAL PAVING SURFACE NOTES:

1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
2. ALL NEW PEDESTRIAN WALKWAYS (NON–RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
   - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

ENCROACHMENT PERMIT REQUIRED FOR ALL WORK INSIDE THE PUBLIC RIGHT OF WAY OR PUBLIC UTILITY EASEMENT.

SHEET INDEX

TOTAL SHEETS: 11

NO.	SHEET DESCRIPTION
CIVIL	
C0.0	COVER SHEET
C0.1	TOPOGRAPHIC SURVEY
C1.0	OVERALL SITE PLAN
C1.1	DEMOLITION PLAN
C1.2	ENGINEERED FILL PLAN
C2.1	GRADING AND DRAINAGE PLAN
C3.1	PAVING PLAN
C4.1	STRIPING AND SIGNAGE PLAN
C5.1	DETAILS AND SECTIONS
C5.2	DETAILS AND SECTIONS
ELECTRICAL	
E1.10	SITE PLAN – ELECTRICAL – REMODEL

OWNER/USER

Educating Students for Success
Lodi Unified School District

OWNER: LODI UNIFIED SCHOOL DISTRICT
1305 E. VINE STREET
LODI, CA 95240
PHONE: (209) 331–7000

CONTACT: VICKIE BRUM

PROJECT TEAM

CIVIL:	WARREN CONSULTING ENGINEERS, INC. 1117 WINDFIELD WAY, SUITE 110 EL DORADO HILLS, CA 95762 PHONE: (916) 985–1870 FAX: (916) 985–1877
ELECTRICAL:	M. NEILS ENGINEERING, INC. 100 HOWE AVE., SUITE 235N SACRAMENTO, CA 95825–8217 PHONE: (916) 923–4400 FAX: (916) 923–4410
CONSTRUCTION MANAGER:	CAPITAL PROGRAM MANAGEMENT 1851 HERITAGE LANE, SUITE 210 SACRAMENTO, CA 95815 PHONE: (916) 553–4400

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118899 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N.
BENCHMARK NO. 280 ELEV. 12.30
SAN JOAQUIN CO. BOLT+WASHER MARKING THE COS MONUMENT NUMBER 9N–6 ON C/L OF THORNTON RD. APPROX. 2,775 FT SOUTH OF 8–MILE RD.

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20–124

AGENCY APPROVAL: BY / DATE
REVISIONS: NO. / DESCRIPTION / DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02–16–21

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
CIVIL
STATE OF CALIFORNIA
02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: COVER SHEET

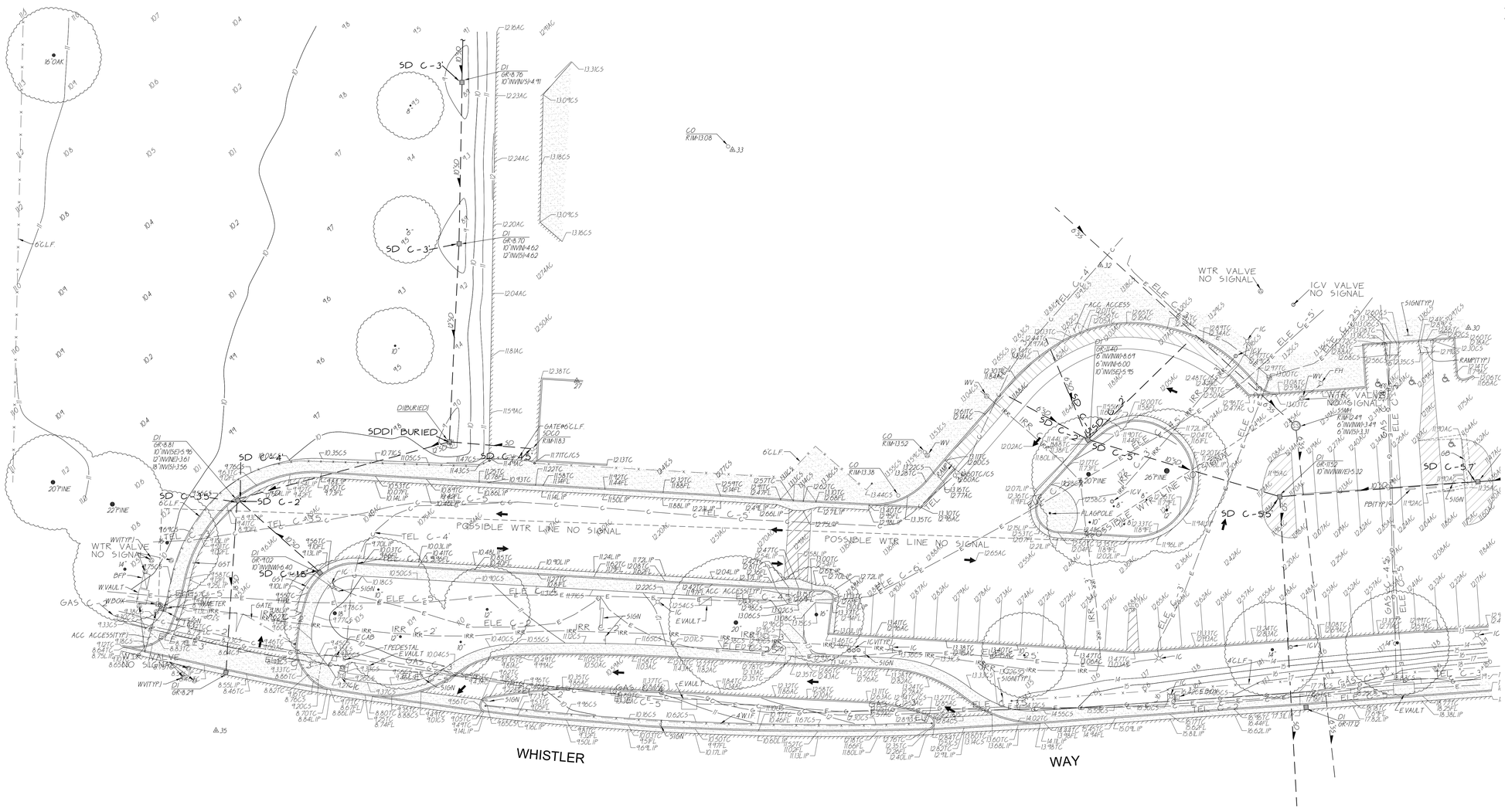
PROJECT: JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT AT 2303 WHISTLER WAY,

"OUT TO BID" JANUARY 12, 2022

LODI UNIFIED SCHOOL DISTRICT, STOCKTON, SAN JOAQUIN COUNTY, CALIFORNIA

SHEET NO.
C0.0

02–118899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DI BURIED
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WTR VALVE NO SIGNAL
POSSIBLE WTR LINE NO SIGNAL
POSSIBLE WTR LINE NO SIGNAL
WHISTLER
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WWTP
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FB(TYP)
SIGN(TYP)
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22 PINE
26 PINE
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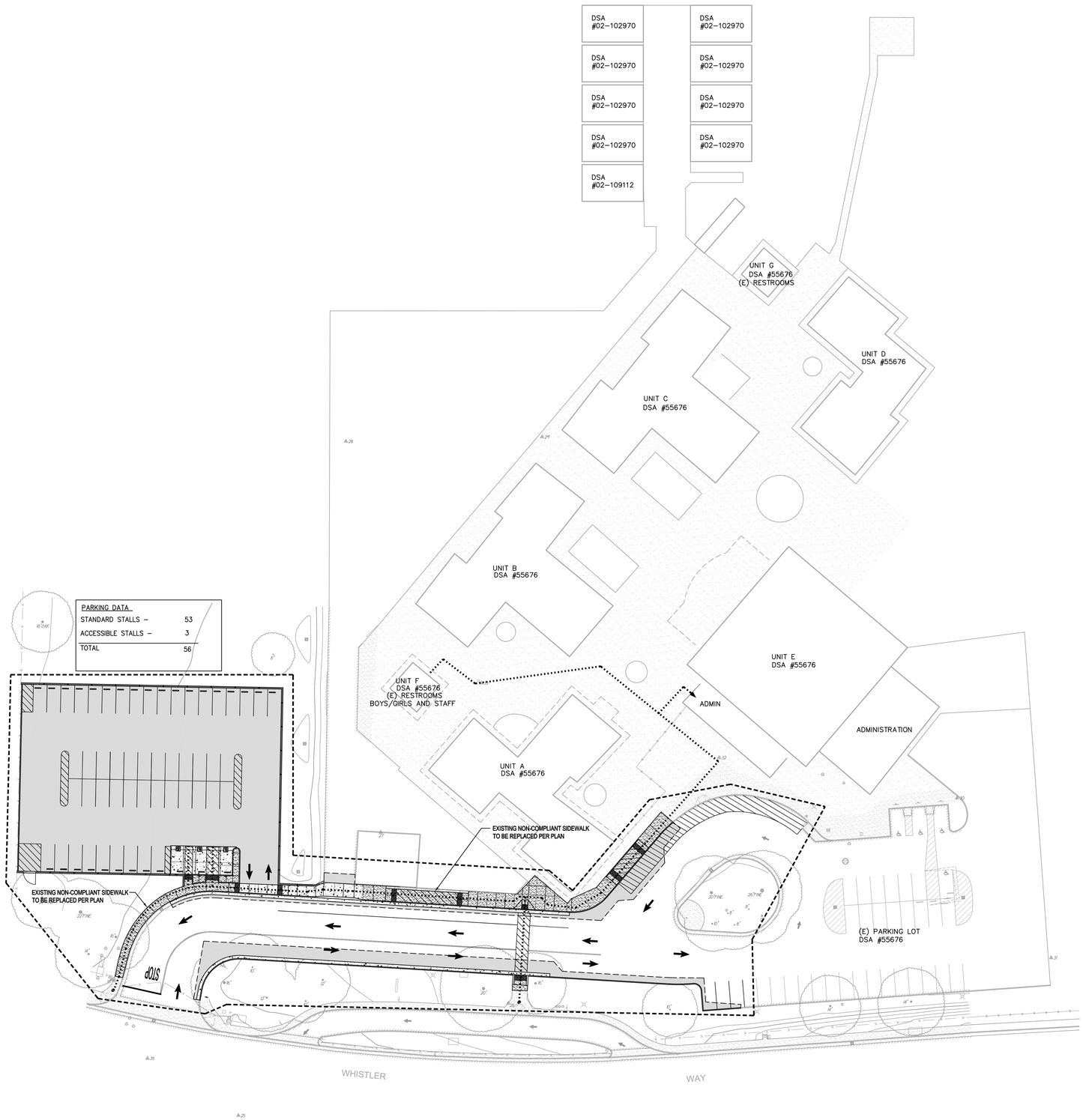


ACCESSIBLE PATH OF TRAVEL (P.O.T.)

TO THE BEST OF THE KNOWLEDGE OF THE ENGINEER, OR THE DISTRICT, THE PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A BARRIER FREE ACCESS ROUTE CONFORMING TO THE FOLLOWING:

1. THERE ARE NO ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1V:2H MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX.
2. THE MINIMUM WIDTH OF THE P.O.T. IS 48" AT ANY GIVEN POINT. (11B-403.5.1)
3. THE SURFACE OF THE P.O.T. STABLE, FIRM, AND SLIP RESISTANT. (11B-403.2)
4. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5.0% (11B-403.3), UNLESS OTHERWISE INDICATED, WITH THE FOLLOWING EXCEPTIONS:
   A. THE SLOPED PORTION OF "RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-405.2).
   B. THE SLOPED PORTION OF A "CURB RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-406.2.1 AND 11B-406.3.1).
5. THE CROSS SLOPE OF THE ACCESSIBLE PATH OF TRAVEL DOES NOT EXCEED 2% AT ANY GIVEN POINT (11B-403.3).
6. THE ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307).
7. THERE ARE NO PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
8. PASSING SPACES AT LEAST 60"X60" ARE LOCATED NOT MORE THAT 200' APART. (11B-403.5.3)
9. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. (11B-407.3)
10. THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING. (11B-303.5)
11. ENGINEER AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
12. THERE ARE NO GRATINGS WITHIN THE PATH OF TRAVEL WITH GRATE OPENINGS EXCEEDING 1/2" IN THE DIRECTION OF TRAVEL. (11B-302.3)

LEGEND

- EXISTING BUILDING NOT MODERNIZED BY THIS APPLICATION.
- ACCESSIBLE PATH OF TRAVEL (P.O.T.)
- LIMIT/END OF PATH OF TRAVEL THIS PROJECT.
- CONTINUATION OF PATH OF TRAVEL INTO ACCESSIBLE AREA.
- EXISTING CONCRETE WALKWAY
- PROPOSED CONCRETE WALKWAY
- PROPOSED AC PAVING
- LIMIT OF WORK, THIS PROJECT

DSA PR-1501

"DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) 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 WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

GRAPHIC SCALE

30' 0 15' 30' 60'

(IN FEET) 1 inch = 30 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118899 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N.

BENCHMARK NO. 280 ELEV. 12.30

SAN JOAQUIN CO. BOLT+WASHER MARKING THE COS MONUMENT NUMBER 3N-6 ON C/L OF THORNTON RD. APPROX. 2,775 FT SOUTH OF 8-MILE RD.

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-124

AGENCY APPROVAL

NO.	DESCRIPTION	DATE	BY	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J TASSANO No. C 59702 CIVIL STATE OF CALIFORNIA 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

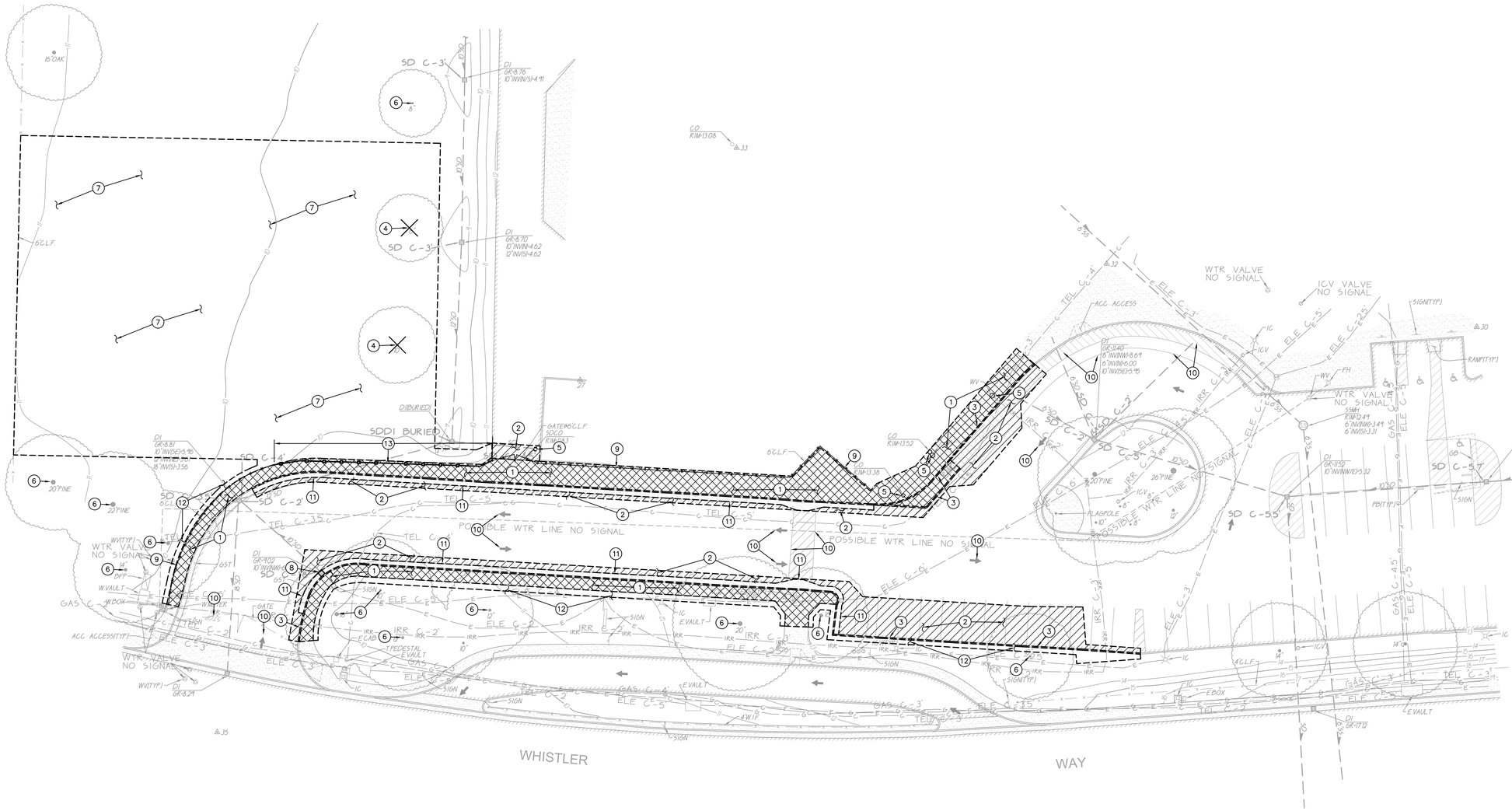
TITLE: OVERALL SITE PLAN

PROJECT:
"OUT TO BID" JANUARY 12, 2022
JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT
AT
2303 WHISTLER WAY,
STOCKTON, SAN JOAQUIN COUNTY, CALIFORNIA
LODI UNIFIED SCHOOL DISTRICT

SHEET NO.
C1.0

02-118899

FILENAME:I:\20-124\CIVIL\DWG\20-124 C1.0.DWG



UTILITY VERIFICATION NOTE

PRIOR TO THE START OF CONSTRUCTION, VERIFY AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE. IF CONFLICT IS FOUND, CONTACT THE ENGINEER IMMEDIATELY FOR DIRECTION.

IRRIGATION DEMOLITION NOTE

WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN. CONTRACTOR SHALL REMOVE LATERAL LINES AND HEADS ENCOUNTERED. MAIN LINES AND CONTROL WIRES MAY ONLY BE REMOVED PROVIDED THAT ROUTING IS KNOWN AND REMOVAL WILL NOT DEACTIVATE AN IRRIGATION SYSTEMS INTENDED TO REMAIN. IF CONFLICT IS FOUND, CONTACT THE ENGINEER FOR DIRECTION.

DEMOLITION GENERAL NOTES

A. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.

B. NO BURNING OR BLASTING SHALL BE PERMITTED.

C. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.

D. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.

E. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.

F. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

G. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED WITH NEW BOX AND COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.

H. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.

I. CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2019 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.

J. CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.

K. ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.

L. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST THE LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

M. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING PLANTING AND IRRIGATION ALONG EDGES OF DEMOLITION AND NEW PAVEMENT. CONTRACTOR SHALL REPAIR ANY DAMAGE, TO INCLUDE NEW IRRIGATION LINES, NEW HEADS, NEW BARK/MULCH AND NEW SOD TURF WHERE NECESSARY.

DEMOLITION NOTES

1. REMOVE EXISTING CONCRETE PAVING AND AGGREGATE BASE. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.
2. REMOVE EXISTING ASPHALT PAVING AND AGGREGATE BASE. WHERE SAWCUT EDGES ARE SHOWN, THEY SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED.
3. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB TO EXTENT SHOWN.
4. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
5. REMOVE EXISTING UTILITY BOX AND/OR FRAME AND COVER AND PROVIDE NEW. NEW BOX SHALL BE SIMILAR IN SIZE, BUT WITH TRAFFIC RATING AND SLIP RESISTANT COVER.
6. EXISTING TREE TO REMAIN.
7. REMOVE AND DISPOSE OF EXISTING TURF/LANDSCAPING AND ASSOCIATED IRRIGATION PIPING/SPRINKLERS WITHIN LIMITS SHOWN. MARK ALL CAPPED LINES WITH AN IRRIGATION VALVE BOX PER LANDSCAPE DETAILS. ALL EXISTING IRRIGATION AREAS OUTSIDE THE PROJECT WORK AREA SHALL BE PRESERVED AND OPERATIONAL. INTEGRITY SHALL BE MAINTAINED.
8. REMOVE AND DISPOSE OF EXISTING DROP INLET.
9. REMOVE AND SALVAGE EXISTING CHAIN LINK FENCE FOR RE-INSTALLATION. EXISTING POSTS/FOOTINGS TO REMAIN. REINSTALL CHAIN LINK FOLLOWING PLACEMENT OF PAVING.
10. BLACK OUT EXISTING STRIPING.
11. REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER.
12. TURF/IRRIGATION DAMAGED BY CONSTRUCTION ACTIVITIES SHALL BE REPLACED IN KIND AND WITH AN APPROVED SEED MIX.
13. REMOVE AND DISPOSE OF EXISTING FENCE, POSTS AND ASSOCIATED FOOTINGS TO EXTENT SHOWN.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118899 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N.

BENCHMARK NO: 280 ELEV. 12.30

SAN JOAQUIN CO. BOLT+WASHER MARKING THE COS MONUMENT NUMBER 9N-6 ON C/L OF THORNTON RD. APPROX. 2,775 FT SOUTH OF 8-MILE RD.

HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: AS NOTED

JOB NO.: 20-124

AGENCY APPROVAL		
BY	DATE	

REVISIONS		
NO.	DESCRIPTION	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. C 45 CIVIL STATE OF CALIFORNIA 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1970

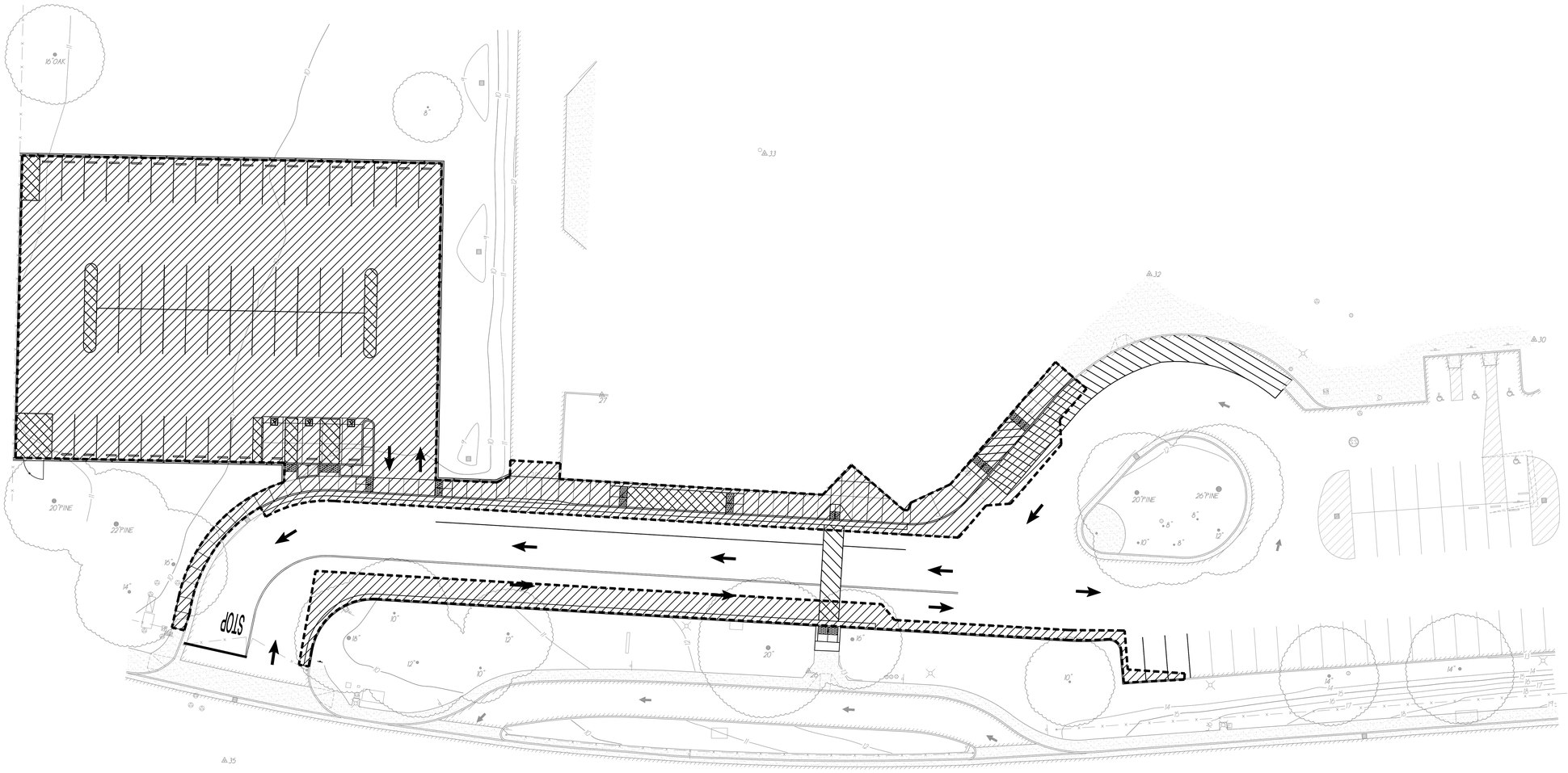
TITLE: DEMOLITION PLAN

PROJECT:
"OUT TO BID" JANUARY 12, 2022
JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT
AT
2303 WHISTLER WAY,
STOCKTON, SAN JOAQUIN COUNTY, CALIFORNIA
LODI UNIFIED SCHOOL DISTRICT

SHEET NO.
C1.1

02-118899

FILENAME: I:\20-124\CIVIL\DWG\20-124 C1.1.DWG



SUBGRADE PREPARATION

1. FOLLOWING SITE CLEARING, STRIPPING AND DEMOLITION ACTIVITIES:

   FOR AREAS TO BE CUT TO ACHIEVE SUBGRADE, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   FOR AREAS TO BE FILLED TO ACHIEVE SUBGRADE, SCARIFY EXPOSED SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST THE 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. FILL MATERIAL SHALL BE PLACED IN LEVEL LAYERS NOT EXCEEDING 10 INCHES IN LOOSE THICKNESS. FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   THE UPPER 12 INCHES OF PROPOSED SUBGRADE SHALL BE LIME TREATED AT A RATE OF AT LEAST 5.0 PERCENT OF QUICKLIME BASED ON A DRY SOIL UNIT WEIGHT OF 125 POUNDS. LIME TREATED SUBGRADE SHALL BE COMPACTED TO NOT LESS THAN 95 PERCENT OF THE ASTM D1557 MAXIMUM DRY DENSITY, AT A MOISTURE CONTENT OF AT LEAST 2 PERCENT ABOVE THE OPTIMUM MOISTURE CONTENT.

   LIME TREATMENT SHALL EXTEND AT LEAST 2 FEET BEYOND EDGE OF PROPOSED ASPHALT AND CONCRETE PAVING WHEN NOT ABUTTING EXISTING PAVING..

   NOTE: ALL LIME LOCATED WITHIN LANDSCAPE AREAS SHALL BE REMOVED AND REPLACED WITH MATERIAL PER PLAN.

   COMPACTION OF THE UPPER 12 INCHES OF SUBGRADE IS NOT REQUIRED AT AREAS WHERE LIME TREATMENT IS USED UNTIL LIME IS PLACED.

GENERAL NOTES

1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
2. NO BURNING SHALL BE PERMITTED.
3. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

FILENAME: I:\20-124\CIVIL\DWG\20-124 C1.2.DWG

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118899 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N.

BENCHMARK NO. 280 ELEV. 12.30

SAN JOAQUIN CO. BOLT+WASHER MARKING THE COS MONUMENT NUMBER 9N-6 ON C/L OF THORNTON RD. APPROX. 2,775 FT SOUTH OF 8-MILE RD.

HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: AS NOTED

JOB NO.: 20-124

AGENCY APPROVAL		
BY	DATE	

NO.	DESCRIPTION	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. 17 CIVIL STATE OF CALIFORNIA 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: ENGINEERED FILL PLAN

PROJECT:

"OUT TO BID" JANUARY 12, 2022

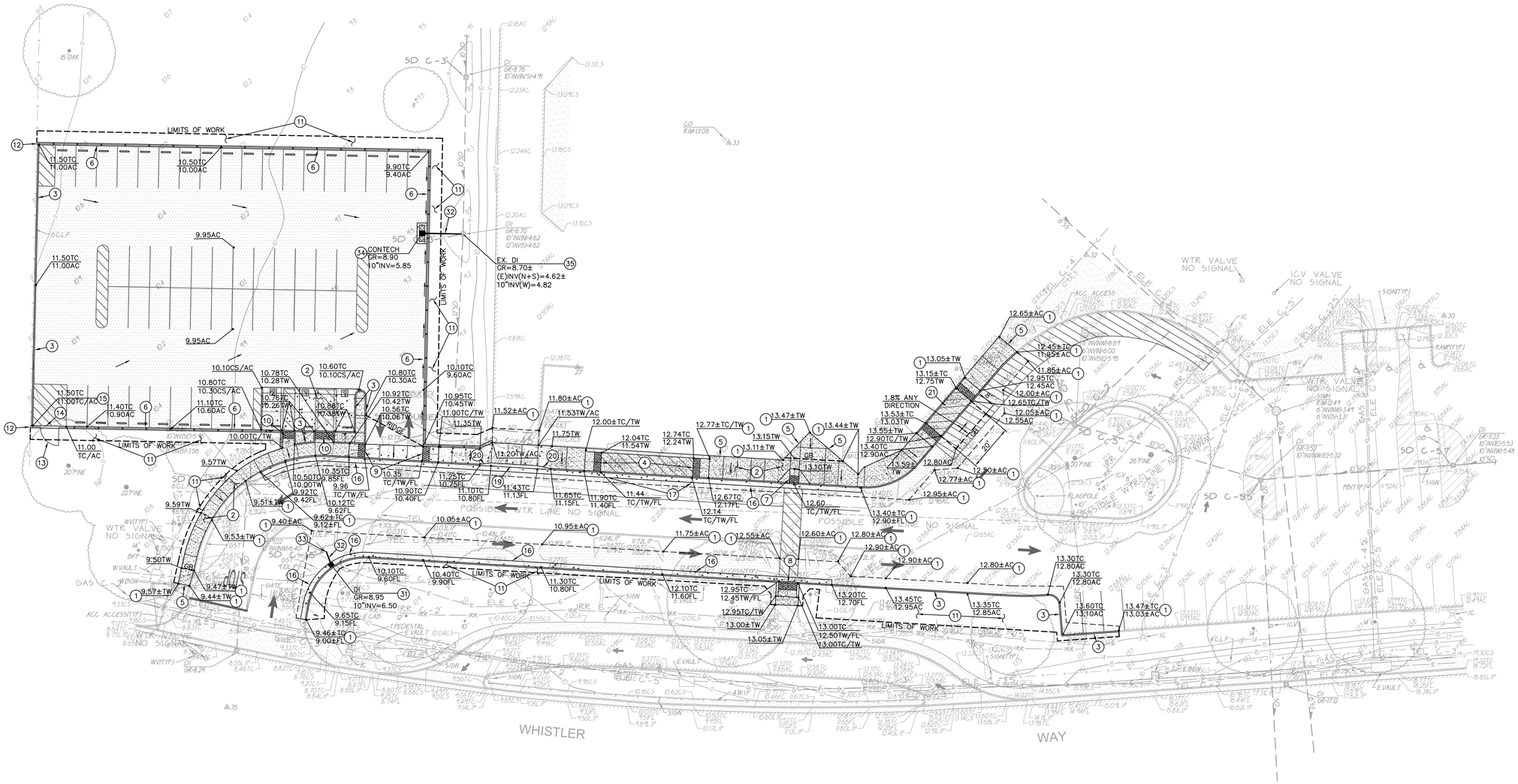
JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT
AT
2303 WHISTLER WAY,

LODI UNIFIED SCHOOL DISTRICT. STOCKTON. SAN JOAQUIN COUNTY. CALIFORNIA

SHEET NO.

C1.2

02-118899



GRADING NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE SIDEWALK/FLATWORK PER (1 C5.1)
3. CONSTRUCT CONCRETE CURB PER (2 C5.1)
4. CONSTRUCT 40' ACCESSIBLE LOADING/UNLOADING AREA PER (4 C5.1)
5. DOWEL INTO EXISTING SIDEWALK PER (1 C5.1)
6. CONSTRUCT 12" WIDE CONCRETE CURB WITH 7' TALL (NO CLIMB 1" MESH) CHAIN LINK FENCE PER (5 C5.1) (6 C5.1) (9 C5.1)
7. CONSTRUCT ACCESSIBLE CURB RAMP #1 PER (7 C5.1)
8. CONSTRUCT ACCESSIBLE CURB RAMP #2 PER (8 C5.1)
9. CONSTRUCT ACCESSIBLE CURB RAMP #3 PER (10 C5.1)
10. PLACE TRUNCATED DOMES PER (3 C5.1)
11. PLACE DISTRICT APPROVED TURF SEED MIX AT ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. PROVIDE NEW IRRIGATION PIPING/SPRINKLERS AS REQUIRED TO MAINTAIN PROPER COVERAGE.
12. PROPOSED FENCE TO INTERSECT AND CONNECT TO EXISTING FENCE AT THIS LOCATION.
13. CONSTRUCT 8' WIDE SWING GATE PER (11 C5.1) (12 C5.1)
14. CONSTRUCT 12" WIDE FLUSH CONCRETE CURB PER (13 C5.1)
15. TAPER LAST 6" OF CURB AT 45° TO FLUSH WITH ADJACENT GRADE.
16. CONSTRUCT CONCRETE CURB AND GUTTER PER (14 C5.1)
17. SLOPE IN GUTTER PAN SHALL NOT EXCEED 2.0% IN ANY DIRECTION ALONG LOCATION OF ACCESSIBLE LOADING/UNLOADING AREA.
18. PROVIDE 2"–4" COBBLE RIP RAP AT OUTFALL. GROUT IN PLACE.
19. CONSTRUCT ROLLED CURB AND SIDEWALK PER (17 C5.1)
20. TRANSITION FROM VERTICAL CURB TO ROLLED CURB.
21. CONSTRUCT 20' ACCESSIBLE LOADING/UNLOADING AREA PER (2 C5.2)

UTILITY NOTES

31. CONSTRUCT DROP INLET PER (15 C5.1)
32. PLACE 10" STORM DRAIN PER (16 C5.1)
33. CONNECT PROPOSED INLET TO EXISTING STORM DRAIN PIPING. PROVIDE ALL FITTINGS NECESSARY TO MAKE TIE–INS.
34. PLACE 2–CARTRIDGE (24" FILTERS) CONTECH STORMFILTER WITH ADA COMPLIANT GRATE PER (1 C5.2)
35. CONNECT TO EXISTING DROP INLET.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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DIV. OF THE STATE ARCHITECT
APP: 02-118899 INC:
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SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

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BENCHMARK NO. 280 ELEV. 12.30

SAN JOAQUIN CO. BOLT+WASHER MARKING THE COS MONUMENT NUMBER 9N–6 ON C/L OF THORNTON RD. APPROX. 2,775 FT SOUTH OF 8–MILE RD.

HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: AS NOTED

JOB NO.: 20–124

AGENCY APPROVAL	DATE	BY

REVISIONS	DATE	BY
NO. DESCRIPTION		

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02–16–21

ANTHONY J. TASSANO — REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA — 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 KNOEFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985–1870

TITLE: GRADING AND DRAINAGE PLAN

PROJECT:

"OUT TO BID" JANUARY 12, 2022

JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT
AT
2303 WHISTLER WAY,
STOCKTON, SAN JOAQUIN COUNTY, CALIFORNIA

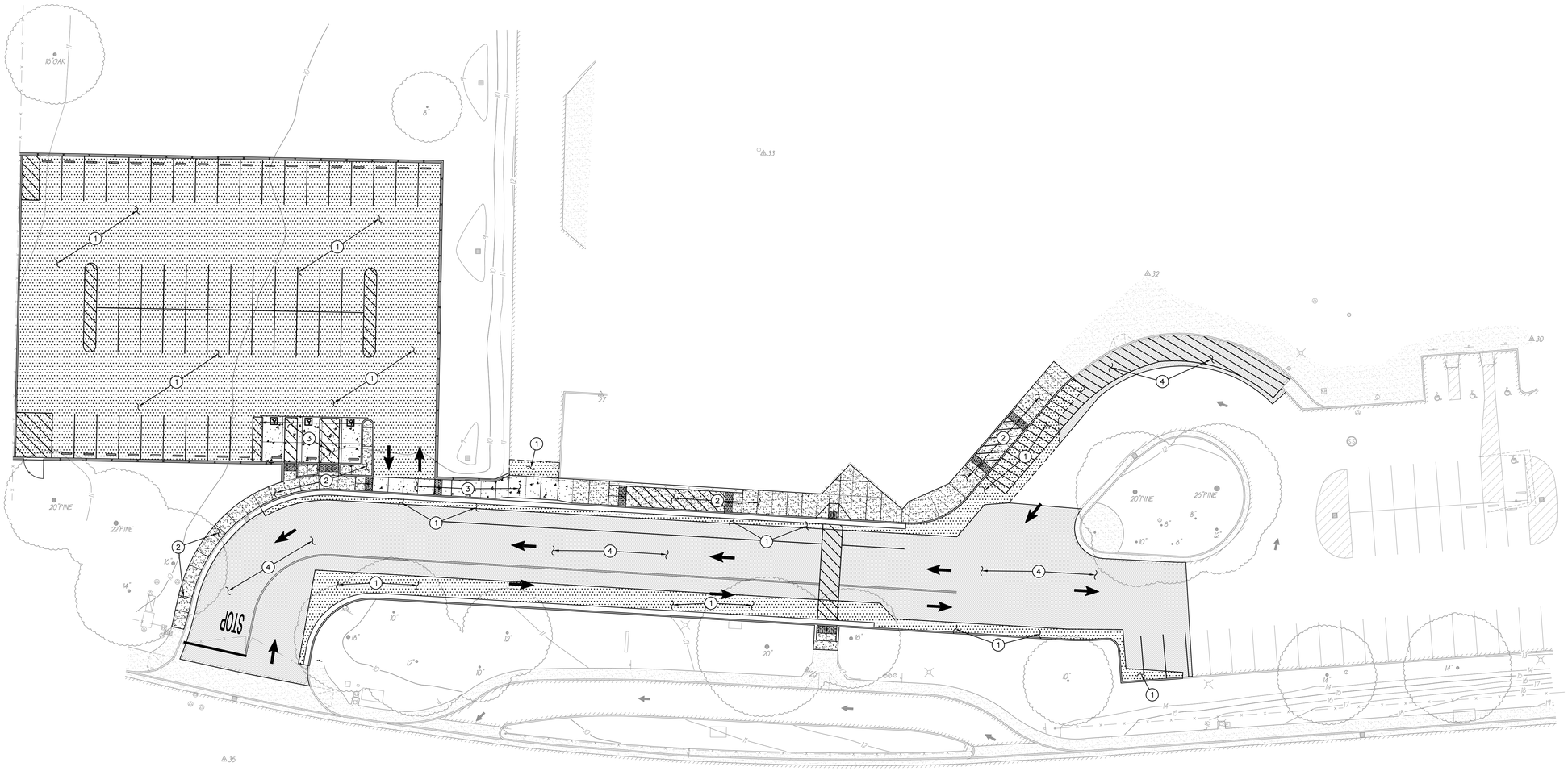
LODI UNIFIED SCHOOL DISTRICT

SHEET NO.

C2.1

02–118899

FILENAME:I:\20-124\CIVIL\DWG\20-124 C2.1.DWG



GENERAL PAVING NOTES:

1. REFER TO SHEET C4.1 FOR STRIPING LAYOUT.
2. ALL NEW ASPHALT PAVING TO BE PROVIDED WITH TWO (2) APPLICATIONS OF SEALCOAT.
3. SLOPE IN ACCESSIBLE STALLS SHALL NOT EXCEED 2% IN ANY DIRECTION.
4. ALL EXPOSED ASPHALT EDGES SHALL HAVE HEADER BOARDS WHETHER SHOWN OR NOT.
5. ALL NEW UNDULATIONS SHALL BE PAINTED WHITE.
6. IN NEW PAVED AREAS, ALL EXISTING UTILITY BOXES WHETHER SHOWN OR NOT SHALL BE REPLACED WITH NEW BOX AND COVER AND SET FLUSH WITH FINISH GRADE.
7. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

   CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 2% MAX
   DIRECTION OF TRAVEL – 5% MAX
   RAMP IN DIRECTION OF TRAVEL – 8.33% MAX
   PLAZA 2% MAX – IN ANY DIRECTION

PAVING LEGEND

1. TYPE 1 PAVING
   PLACE 3" AC OVER 6" AB ON LIME TREATED SUBGRADE.
2. TYPE 2 PAVING
   PLACE 5" PCC W/#3 BARS @ 18" O.C.E.W. OVER 4" AB ON LIME TREATED SUBGRADE.
3. TYPE 3 PAVING
   PLACE 6" PCC W/#4 BARS @ 12" O.C.E.W. OVER 6" AB ON LIME TREATED SUBGRADE.
4. TYPE 4 PAVING
   CLEAN EXISTING PAVEMENT, CRACK FILL, AND PLACE 2 APPLICATIONS OF SEAL COAT ON EXISTING ASPHALT PAVING.

GRAPHIC SCALE

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HORIZONTAL SCALE: AS NOTED

VERTICAL SCALE: AS NOTED

JOB NO.: 20-124

NO.	REVISIONS DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA
02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

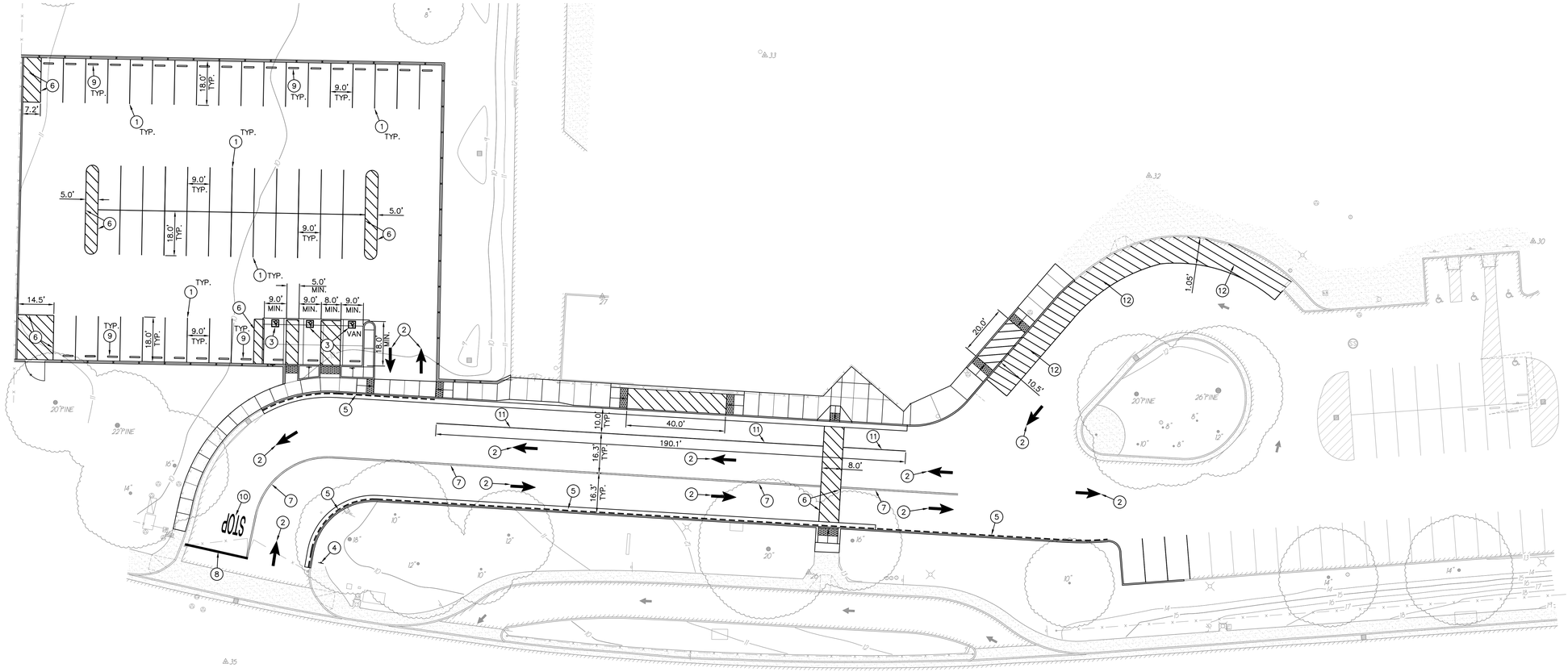
TITLE: PAVING PLAN

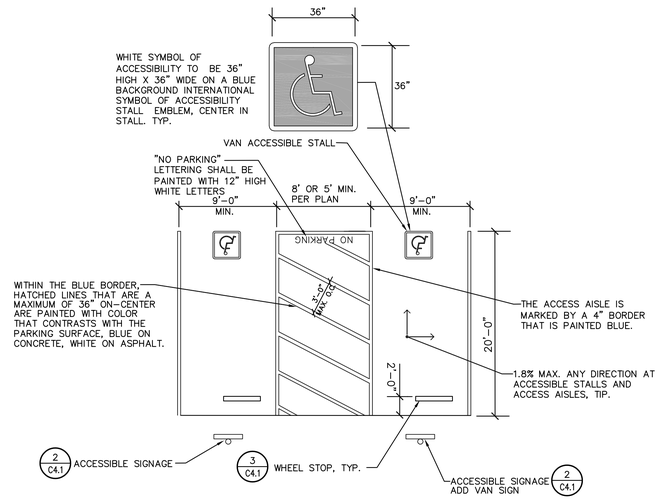
PROJECT: "OUT TO BID" JANUARY 12, 2022
JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT
AT
2303 WHISTLER WAY,
LODI UNIFIED SCHOOL DISTRICT, STOCKTON, SAN JOAQUIN COUNTY, CALIFORNIA

SHEET NO.
C3.1

02-118899

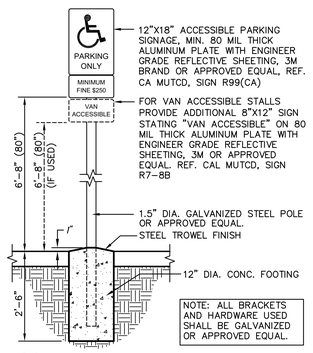
FILENAME: I:\20-124\CIVIL\DWG\20-124 C3.1.DWG



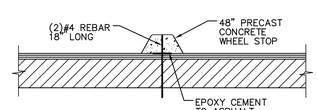


NOTES:
1. DIMENSIONS ARE TAKEN TO CENTERLINE OF STRIPING.

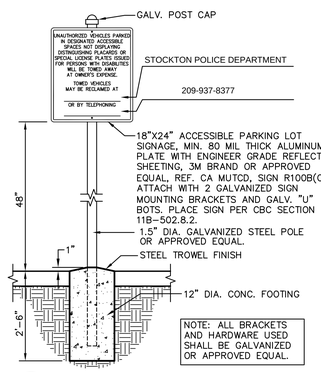
1 C4.1 TYPICAL ACCESSIBLE PARKING — NO SCALE



2 C4.1 PARKING SIGNAGE — ACCESSIBLE STALLS (CALIFORNIA ONLY) — NO SCALE



3 C4.1 CONCRETE WHEEL STOP — NO SCALE



4 C4.1 PARKING AREA SIGN (CALIFORNIA ONLY)

STRIPING GENERAL NOTES

1. CONTRACTOR SHALL PROVIDE 1 COAT OF TEMPORARY STRIPING PRIOR TO SEAL COAT PLACEMENT. FOLLOWING SEALCOAT PLACEMENT (A MINIMUM OF 30 DAYS AFTER ASPHALT PAVEMENT PLACEMENT), FINAL 2 COATS OF STRIPING WILL BE REQUIRED.

STRIPING AND SIGNAGE NOTES

1. PROVIDE CALTRANS DETAIL 27B, TYPICAL OF STALLS.
2. PROVIDE CALTRANS, FHWA TYPE 1 ARROW.
3. PROVIDE ACCESSIBLE STRIPING/SIGNAGE PER MEET ALL REQUIREMENTS AS STATED ON SHEET C1.0 (1 C4.1)
4. PROVIDE "UNAUTHORIZED VEHICLE" TOWING SIGN PER (4 C4.1)
5. PAINT CURB RED WITH 4" HIGH, 3/4" WIDE STROKE SAYING "NO PARKING – FIRE LANE". MARKINGS SHALL BE LOCATED EVERY 25'.
6. PAINT 4" WIDE WHITE EDGE LINES AND 4" WIDE WHITE CROSS HATCHING LINES AT 36" O.C.
7. PROVIDE CALTRANS DETAIL 22.
8. PROVIDE 24" WIDE WHITE STRIPE 7.0' BEHIND CROSSWALKS STRIPING.
9. PLACE CONCRETE WHEEL STOP PER (3 C4.1)
10. PROVIDE "STOP' STRIPING, 8' HIGH, WHITE.
11. PROVIDE CALTRANS DETAIL 27B, 4" WIDE.
12. PAINT 4" WIDE YELLOW EDGE LINES AND 4" WIDE YELLOW CROSS HATCHING LINES AT 36" O.C.

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118899 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N.
BENCHMARK NO. 280 ELEV. 12.30
SAN JOAQUIN CO. BOLT+WASHER MARKING THE COS MONUMENT NUMBER 9N-6 ON C/L OF THORNTON RD. APPROX. 2,775 FT SOUTH OF 8-MILE RD.

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-124

AGENCY APPROVAL	BY	DATE

NO.	DESCRIPTION	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

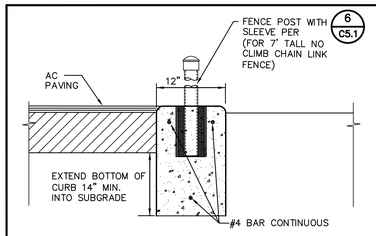
ANTHONY J TASSANO — PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA — 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: STRIPING AND SIGNAGE PLAN
PROJECT: "OUT TO BID" JANUARY 12, 2022
JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT
AT
2303 WHISTLER WAY,
STOCKTON, SAN JOAQUIN COUNTY, CALIFORNIA
LODI UNIFIED SCHOOL DISTRICT,

SHEET NO.
C4.1
02-118899

FILENAME:I:\20-124\CIVIL\DWG\20-124 C4.1.DWG

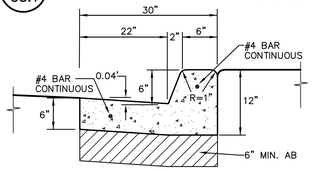


NOTES:

1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

13 C5.1 12" CONCRETE CURB

NO SCALE

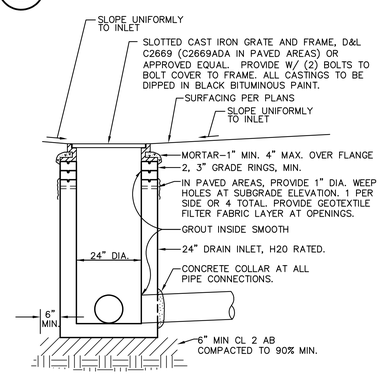


NOTES:

1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS. SEAL E.J. WITH APPROVED JOINT SEALANT.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

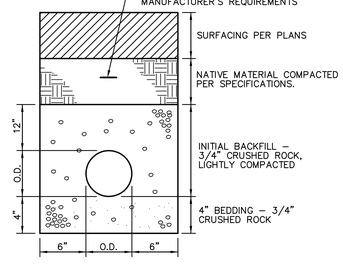
14 C5.1 CONCRETE CURB AND GUTTER

NO SCALE



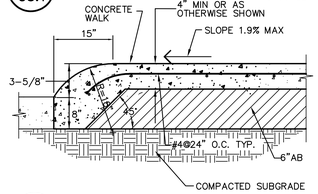
15 C5.1 DROP INLET

NO SCALE



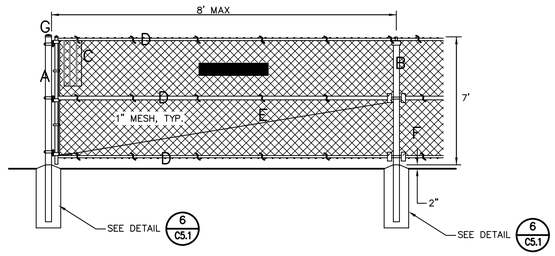
16 C5.1 STORM DRAIN TRENCH

NO SCALE



17 C5.1 ROLLED CURB AND SIDEWALK

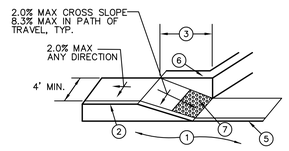
NO SCALE



A – 4" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK
B – 2 10" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK
C – 9 GA. GALV. TYPE C CHAIN LINK BLACK VINYL FABRIC.
D – 1 5/8" OD SCH. 40 GALV. STEEL RAIL, POWDER COATED BLACK
E – 3/8" OD ADJUSTABLE INDUSTRIAL TRUSS ROD, POWDER COATED BLACK
F – 12 GA. ALUMINUM BLACK VINYL TIES AT 15" OC HORIZ. AND VERT.
G – ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE, BLACK

9 C5.1 7FT CHAIN LINK FENCE

NO SCALE

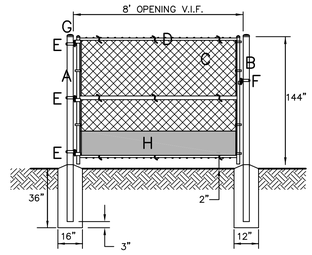


◯ LEGEND

1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE.
4. SCORE MARK, 6" BACK OF CURB.
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B–503.
6. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
7. PLACE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE, FULL WIDTH OF LANDING, 36" IN THE DIRECTION OF TRAVEL, BY ARMOR–TILE OR APPROVED EQUAL. 3 C7.1

10 C5.1 ACCESSIBLE RAMP #3

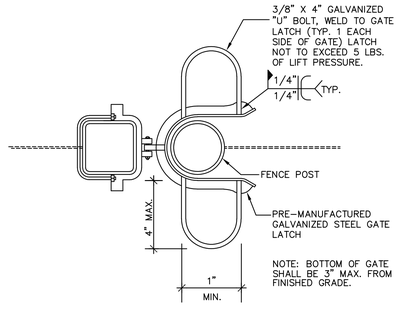
NO SCALE



A – 4" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
B – 2 7/8" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
C – FABRIC TO MATCH FENCE.
D – 1 5/8" OD SCH. 40 WELDED GALV. STEEL FRAME, POWDER COATED BLACK.
E – 180 DEGREE PRESSED STEEL INDUSTRIAL HINGE.
F – MALLEABLE IRON (LOCKABLE) GATE FORK LATCH, SEE 12/C5.1.
G – ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE, POWDER COATED BLACK.
H – 16" KICK PLATE

11 C5.1 8' SWING CHAIN LINK GATE

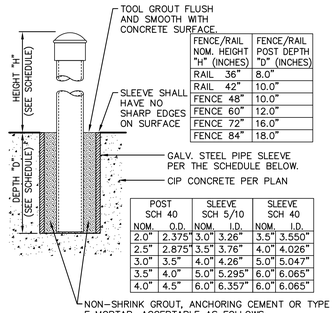
NO SCALE



MOUNT LATCH PADDLE BETWEEN 30" – 44" A.F.F.

12 C5.1 ACCESSIBLE GATE LATCH

NO SCALE

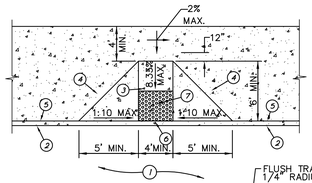


FENCE/RAIL NOM. HEIGHT "H" (INCHES)	FENCE/RAIL POST DEPTH "D" (INCHES)
RAIL 36"	8.0"
RAIL 42"	10.0"
FENCE 48"	10.0"
FENCE 60"	12.0"
FENCE 72"	16.0"
FENCE 84"	18.0"

POST SCH 40 NOM.	POST SCH 40 O.D.	SLEEVE SCH 5/10 NOM.	SLEEVE SCH 5/10 I.D.	SLEEVE SCH 40 NOM.	SLEEVE SCH 40 I.D.
2.0"	2.375"	3.0"	3.26"	3.5"	3.550"
2.5"	2.875"	3.5"	3.76"	4.0"	4.026"
3.0"	3.5"	4.0"	4.26"	5.0"	5.047"
3.5"	4.0"	5.0"	5.295"	6.0"	6.065"
4.0"	4.5"	6.0"	6.357"	6.0"	6.065"

6 C5.1 POST SLEEVE DETAIL

NO SCALE



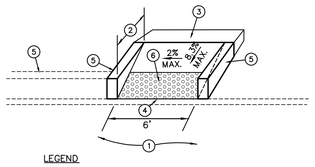
TYPICAL DETAIL FOR LIP OF RAMP

◯ LEGEND

1. PAVEMENT.
2. TOP FACE OF ROLLED CURB, STANDARD 4" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE, 2.0% MAX CROSS SLOPE LENGTH=6.5'.
4. LANDING SHALL BE 48" MIN. AND SLOPE SHALL NOT EXCEED 1:48 MAX PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B–406.5.3
5. SCORE MARK, 6" BACK OF CURB.
6. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE WITH A COUNTER SLOPE NOT EXCEEDING 1:20 MAX FOR 24" PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B–406.5.8.
7. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR–TILE OR APPROVED EQUAL. DETECTABLE WARNINGS AT CURB RAMPS SHALL EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN LESS 2 INCHES MAXIMUM ON EACH SIDE, EXCLUDING ANY FLARED SIDES. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER OR STREET. 3 C5.1

7 C5.1 ACCESSIBLE CURB RAMP #1

NO SCALE

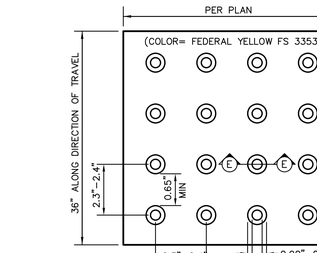


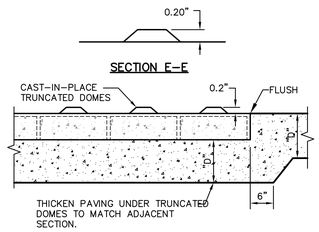
LEGEND

1. PAVEMENT.
2. 8.3% (1:12) MAXIMUM SLOPE, 2.0% MAX CROSS SLOPE 6.5' MIN. LENGTH.
3. LANDING SHALL BE 48" MIN. AND SLOPE SHALL NOT EXCEED 1:48 MAX PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B–406.5.3.
4. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE WITH A COUNTER SLOPE NOT EXCEEDING 1:20 MAX FOR 24" PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B–406.5.8.
5. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
6. PLACE 36" WIDE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR–TILE OR APPROVED EQUAL. DETECTABLE WARNINGS AT CURB RAMPS SHALL EXTEND 36 INCHES IN THE DIRECTION OF TRAVEL. DETECTABLE WARNINGS SHALL EXTEND THE FULL WIDTH OF THE RAMP RUN LESS 2 INCHES MAXIMUM ON EACH SIDE, EXCLUDING ANY FLARED SIDES. DETECTABLE WARNINGS SHALL BE LOCATED SO THE EDGE NEAREST THE CURB IS 6 INCHES MINIMUM AND 8 INCHES MAXIMUM FROM THE LINE AT THE FACE OF THE CURB MARKING THE TRANSITION BETWEEN THE CURB AND THE GUTTER OR STREET. 3 C5.1

8 C5.1 ACCESSIBLE CURB RAMP #2

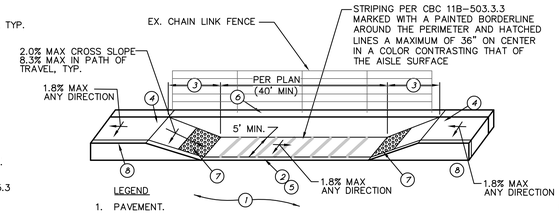
NO SCALE





3 C5.1 TRUNCATED DOMES

NO SCALE

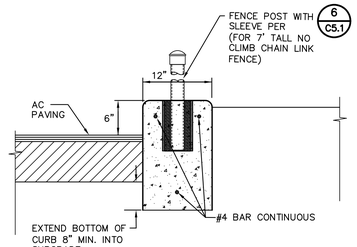


LEGEND

1. PAVEMENT.
2. FLUSH CONCRETE CURB.
3. 8.3% (1:12) MAXIMUM SLOPE, 7' MIN. LENGTH.
4. LANDING SHALL BE 48" MIN. AND SLOPE SHALL NOT EXCEED 1:48 MAX. ALL DIRECTIONS, PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B–406.5.3
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE WITH A COUNTER SLOPE NOT EXCEEDING 1:20 MAX FOR 10'.
6. 12" WIDE RETAINING CURB.
7. PLACE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE, FULL WIDTH OF RAMP LESS 2 INCHES ON EITHER SIDE OF RAMP, 36" IN THE DIRECTION OF TRAVEL, BY ARMOR–TILE OR APPROVED EQUAL. 3 C5.1
8. SCORE MARK, 6" BEHIND BACK OF CURB

4 C5.1 LOADING/UNLOADING ZONE

NO SCALE

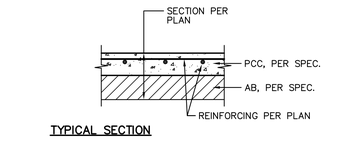


NOTES:

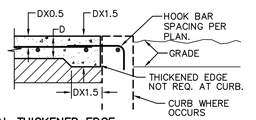
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

5 C5.1 12" CONCRETE CURB

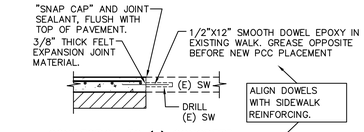
NO SCALE



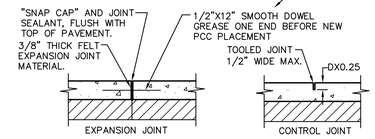
TYPICAL SECTION



TYPICAL THICKENED EDGE



CONNECTION TO (E) CONCRETE



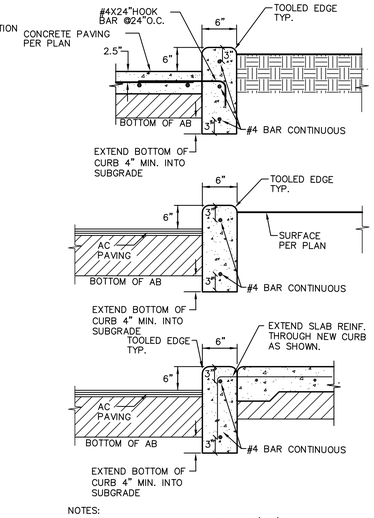
TYPICAL JOINTS

NOTES:

1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MIN.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MIN.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 C5.1 CONCRETE SIDEWALK

NO SCALE



NOTES:

1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 C5.1 CONCRETE CURB

NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118899 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N.
BENCHMARK NO. 280 ELEV. 12.30
SAN JOAQUIN CO. BOLT+WASHER MARKING THE COS MONUMENT NUMBER 3N–6 ON C/L OF THORNTON RD. APPROX 2.77'S FT SOUTH OF 8–MILE RD.

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20–124

NO.	DESCRIPTION	DATE	BY
	REVISIONS		AGENCY APPROVAL DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02–16–21

02/16/2021
PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. C 58782 REGISTERED CIVIL ENGINEER STATE OF CALIFORNIA

WCE
WARREN CONSULTING ENGINEERS, INC.
1117 KNOXFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 (916) 985–1870

TITLE: DETAILS AND SECTIONS

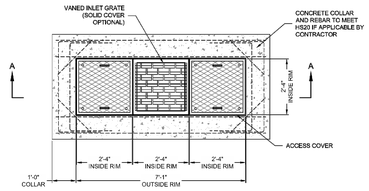
PROJECT: "OUT TO BID" JANUARY 12, 2022
JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT
AT
2303 WHISTLER WAY,
STOCKTON, SAN JOAQUIN COUNTY, CALIFORNIA

LODI UNIFIED SCHOOL DISTRICT

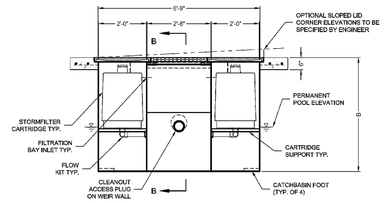
SHEET NO.
C5.1

02–118899

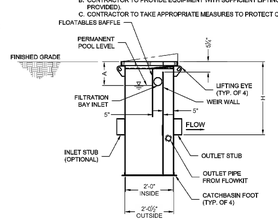
FILENAME:I:\20–124\CIVIL\DWG\20–124 C5.1–C5.2.DWG



PLAN VIEW



SECTION A-A



SECTION B-B

STORMFILTER STEEL CATCHBASIN DESIGN NOTES

STORMFILTER TREATMENT CAPACITY IS A FUNCTION OF THE CARTRIDGE SELECTION AND THE NUMBER OF CARTRIDGES. 2 CARTRIDGE CATCHBASIN HAS A MAXIMUM OF TWO CARTRIDGES. SYSTEM IS SHOWN WITH A 27" CARTRIDGE, AND IS ALSO AVAILABLE WITH AN 18" CARTRIDGE. STORMFILTER CATCHBASIN CONFIGURATIONS ARE AVAILABLE WITH A DRY INLET BAY FOR VECTOR CONTROL.
PEAK HYDRAULIC CAPACITY PER TABLE BELOW. IF THE SITE CONDITIONS EXCEED PEAK HYDRAULIC CAPACITY, AN UPSTREAM BYPASS STRUCTURE IS REQUIRED.

CARTRIDGE SELECTION

CARTRIDGE HEIGHT	27"			18"			18" DEEP		
RECOMMENDED HYDRAULIC DROP (H)	3.00'			2.3'			3.3'		
SPECIFIC FLOW RATE (gpm/sf)	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf	2 gpm/sf	1.67* gpm/sf	1 gpm/sf
CARTRIDGE FLOW RATE (cfm)	22.5	18.70	11.25	15	12.53	7.5	15	12.53	7.5
PEAK HYDRAULIC CAPACITY	1.0			1.0			1.8		
INLET PERMANENT POOL LEVEL (A)	1'-0"			1'-0"			2'-0"		
OVERALL STRUCTURE HEIGHT (B)	4'-0"			3'-0"			4'-0"		

* 1.67 gpm/sf SPECIFIC FLOW RATE IS APPROVED WITH PHOSPHOSORB® (PSORB) MEDIA ONLY

GENERAL NOTES
1. CONTECH TO PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. FOR SITE SPECIFIC DRAWINGS WITH DETAILED STORMFILTER CATCHBASIN STRUCTURE DIMENSIONS AND WEIGHTS, PLEASE CONTACT YOUR CONTECH ENGINEERED SOLUTIONS LLC REPRESENTATIVE. WWW.CONTECHES.COM
3. STORMFILTER CATCHBASIN WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING.
4. INLET SHOULD NOT BE LOWER THAN OUTLET. INLET (IF APPLICABLE) AND OUTLET PIPING TO BE SPECIFIED BY ENGINEER AND PROVIDED BY CONTRACTOR.
5. MANUFACTURER TO APPLY A SURFACE BEAD WELD IN THE SHAPE OF THE LETTER "O" ABOVE THE OUTLET PIPE STUB ON THE EXTERIOR SURFACE OF THE STEEL SFCB.
6. STORMFILTER CATCHBASIN EQUIPPED WITH 4 INCH (APPROXIMATE) LONG STUBS FOR INLET (IF APPLICABLE) AND OUTLET PIPING. STANDARD OUTLET STUB IS 8 INCHES IN DIAMETER. MAXIMUM OUTLET STUB IS 18 INCHES IN DIAMETER. CONNECTION TO COLLECTION PIPING CAN BE MADE USING FLEXIBLE COUPLING BY CONTRACTOR.
7. STEEL STRUCTURE TO BE MANUFACTURED OF 1/4 INCH STEEL PLATE. CASTINGS SHALL MEET AASHTO M306 LOAD RATING. TO MEET H520 LOAD RATING ON STRUCTURE, A CONCRETE COLLAR IS REQUIRED. WHEN REQUIRED, CONCRETE COLLAR WITH #4 REINFORCING BARS TO BE PROVIDED BY CONTRACTOR.
8. FILTER CARTRIDGES SHALL BE MEDIA-FILLED, PASSIVE, SIPHON ACTUATED, RADIAL FLOW, AND SELF CLEANING. RADIAL MEDIA DEPTH SHALL BE 7 INCHES. FILTER MEDIA CONTACT TIME SHALL BE AT LEAST 38 SECONDS.
9. SPECIFIC FLOW RATE IS EQUAL TO THE FILTER TREATMENT CAPACITY (gpm) DIVIDED BY THE FILTER CONTACT SURFACE AREA (sq ft).

INSTALLATION NOTES
A. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
B. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE CATCHBASIN (LIFTING CLUTCHES PROVIDED).
C. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO PROTECT CARTRIDGES FROM CONSTRUCTION-RELATED EROSION RUNOFF.

2-CARTRIDGE DEEP CATCHBASIN STORMFILTER DATA

STRUCTURE ID	XXX	
WATER QUALITY FLOW RATE (cfs)	X.XX	
PEAK FLOW RATE (<1.8 cfs)	X.XX	
RETURN PERIOD OF PEAK FLOW (yrs)	XXX	
CARTRIDGE FLOW RATE (gpm)	XX	
MEDIA TYPE (PERLITE, ZPG, PSORB)	XXXXX	
RIM ELEVATION	XXX.XX'	
PIPE DATA:	I.E.	DIAMETER
INLET STUB	XXX.XX'	XX"
OUTLET STUB	XXX.XX'	XX"

CONFIGURATIONS: OUTLET; INLET; OUTLET; INLET; INLET; OUTLET; INLET

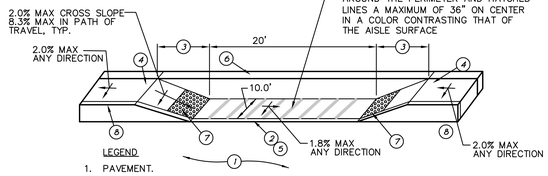
SLOPED LID YES/NO
SOLID COVER YES/NO
NOTES/SPECIAL REQUIREMENTS:

CONTECH ENGINEERED SOLUTIONS LLC
www.contechES.com
9025 Centre Pointe Dr., Suite 400, West Chester, OH 45069
800-338-1122 513-645-7000 513-645-7993 FAX

2 CARTRIDGE CATCHBASIN STORMFILTER STANDARD DETAIL

1 / C5.2 CONTECH STORMFILTER – (3) 18" FILTERS

NO SCALE



LEGEND

1. PAVEMENT.
2. FLUSH CONCRETE CURB.
3. 8.3% (1:12) MAXIMUM SLOPE, 6' MIN. LENGTH.
4. LANDING SHALL BE 48" MIN. AND SLOPE SHALL NOT EXCEED 1:48 MAX, ALL DIRECTIONS, PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.3
5. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE WITH A COUNTER SLOPE NOT EXCEEDING 1:20 MAX FOR 10'.
6. 6" WIDE RETAINING CURB.
7. PLACE PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE, FULL WIDTH OF RAMP LESS 2 INCHES ON EITHER SIDE OF RAMP, 36" IN THE DIRECTION OF TRAVEL, BY ARMOR-TILE OR APPROVED EQUAL. (3 / C5.1)
8. SCORE MARK, 6" BEHIND BACK OF CURB

2 / C5.2 LOADING/UNLOADING ZONE

NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118899 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N.
BENCHMARK NO. 280 ELEV. 12.30
SAN JOAQUIN CO. BOLT+WASHER MARKING THE COS MONUMENT NUMBER 3N-6 ON C/L OF THORNTON RD. APPROX. 2.77S FT SOUTH OF 8-MILE RD.

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-124

NO.	DESCRIPTION	REVISIONS	DATE	BY	AGENCY APPROVAL	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

ANTHONY J TASSANO — REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA — 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

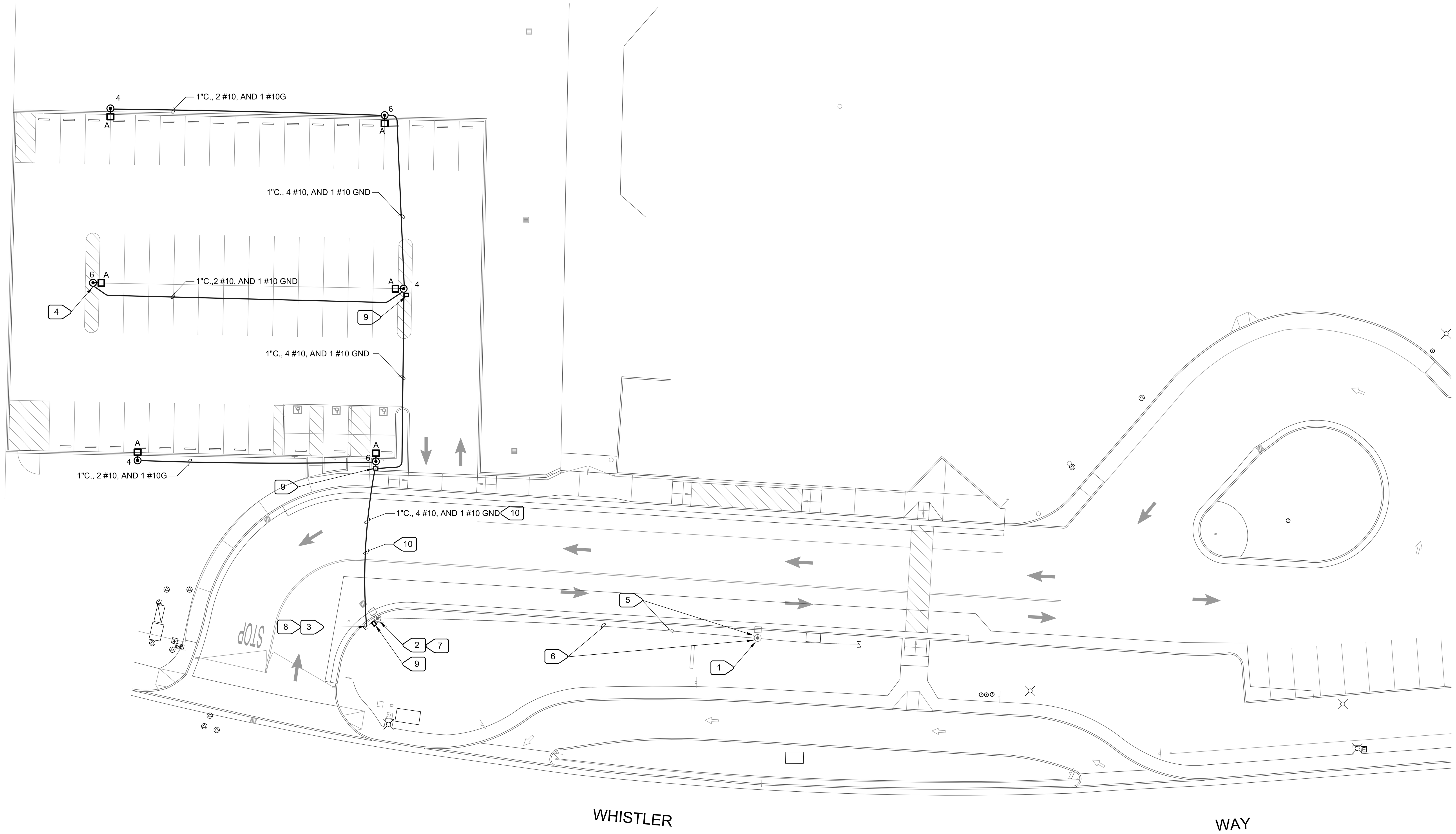
TITLE: DETAILS AND SECTIONS

PROJECT: "OUT TO BID" JANUARY 12, 2022
JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT
AT
2303 WHISTLER WAY,
STOCKTON, SAN JOAQUIN COUNTY, CALIFORNIA
LODI UNIFIED SCHOOL DISTRICT.

SHEET NO.
C5.2

02-118899

FILENAME:I:\20-124\CIVIL\DWG\20-124 C5.1-C5.2.DWG



SITE PLAN - ELECTRICAL - REMODEL
1 / E100
SCALE : 1" = 20"-0"

ELECTRICAL SYMBOL LIST

⊙□	ONE-ARM BRACKET LUMINAIRE, WITH POLE AND BASE
———	CONDUIT RUN CONCEALED. FOR CONCEALED CONDUITS PROVIDE EMT CONDUITS. FOR EXPOSED CONDUITS PROVIDE RIGID STEEL CONDUIT. WIRING SHALL BE SIZE AS DESCRIBE ON THE PLAN. PROVIDE COPPER WIRE WITH THHN TYPE INSULATION.
— — —	CONDUIT RUN UNDERGROUND. PROVIDE SCHEDULE 40 OR SCHEDULE 80 PVC TYPE CONDUITS. WIRING SHALL BE SIZE AS DESCRIBE ON THE PLAN. PROVIDE COPPER WIRE WITH XHHW-2 OR THWN-2 TYPE INSULATION.
(panelboard symbol)	EXISTING PANELBOARD - FLUSH MOUNTED
1	DRAWING SHEET NUMBERED NOTE DESIGNATION - APPLIES TO NUMBERED NOTE ON SAME SHEET

SYMBOL LIST NOTES:

1. EXISTING ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE SHOWN THE SAME AS NEW, EXCEPT LIGHTLY AND ACCOMPANIED BY (E). SUCH ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE TO REMAIN AS IS, UNLESS OTHERWISE NOTED ON PLAN OR SPECIFICATION.
2. VERIFY ON SITE THAT ALL PANELBOARDS HAVE MINIMUM WORKING SPACES PER CODE AND THAT THE DEDICATED PANELBOARD SPACES ARE CLEAR OF ALL DUCTS, PIPING AND EQUIPMENT FOREIGN TO THE PANEL BOARDS. NOTIFY THE ENGINEER FOR CORRECTIVE ACTION IN THE EVENT THAT FOREIGN OBJECTS IMPEDE THE DEDICATED PANELBOARD AREAS.
3. WHERE CONDUIT STUB IS INDICATED, PROVIDE CONDUIT WITH BUSHING AT THE END OF CONDUIT AND PULL ROPE INTO ACCESSIBLE CEILING AREA.

GENERAL NOTES:

THE INTENT OF THE DRAWINGS IS TO PROVIDE (N) PARKING LIGHTS, ASSOCIATED CONTROLLER AND INFRASTRUCTURE FOR, IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

THE DRAWINGS REPRESENT THE GRAPHIC PICTORIAL PORTIONS OF THE WORK. THE WORK (MEANING ALL MATERIALS, CONSTRUCTION METHODS, AND SERVICES NECESSARY TO COMPLETE THE TOTAL CONSTRUCTION PROJECT) SHALL BE INCLUDED IN THE CONTRACTOR'S BID. THE WORK, INCLUDING DIMENSIONS, QUALITY AND WORKMANSHIP, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

PERFORM ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES:
1. CALIFORNIA ELECTRICAL CODE (CEC) WITH AMENDMENTS, THE NATIONAL FIRE PROTECTION ASSOCIATION NFPA NO. 70-2013, NATIONAL ELECTRICAL CODE (NEC), AND THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 STATE BUILDING STANDARDS, PART 3, BASIC ELECTRICAL REGULATIONS.
2. CALIFORNIA BUILDING CODE (CBC) WITH AMENDMENTS, THE INTERNATIONAL BUILDING CODE (IBC) AND THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2.
3. TITLE 19, CALIFORNIA CODE OF REGULATIONS, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
4. STATE OF CALIFORNIA, TITLE 24, STATE BUILDING STANDARDS, PART 6, CALIFORNIA ENERGY CODE.
5. ALL APPLICABLE STATE LOCAL CODES AND REGULATIONS.

ALL MATERIAL AND EQUIPMENT SHALL BE UL LISTED, LABELED, OR CERTIFIED FOR INTENDED USE BY A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) AS RECOGNIZED BY THE U.S. DEPARTMENT OF LABOR IF SUCH LISTING IS AVAILABLE FOR THAT TYPE OF MATERIAL OR EQUIPMENT. MATERIAL AND EQUIPMENT SHALL BEAR THE LISTING STICKER IN AN ACCESSIBLE LOCATION. PROVIDE NEW MATERIAL OF THE QUALITY SPECIFIED AND SATISFACTORY TO THE ENGINEER.

DATA GIVEN HEREIN AND ON THE PLANS ARE AS EXACT AS COULD BE PRACTICALLY SECURED, BUT THEIR ABSOLUTE ACCURACY IS NOT GUARANTEED. PLANS AND SPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR AND EXACT LOCATIONS, DISTANCES, LEVELS, OBSTRUCTIONS, EXISTING CONDITIONS AND OTHER DATA WILL BE GOVERNED BY THE STRUCTURES.

LAYOUTS OF EQUIPMENT, ACCESSORIES, AND WIRING SYSTEMS ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. EXAMINE ARCHITECTURAL, AND OTHER DRAWINGS, NOTING ALL CONDITIONS THAT MAY AFFECT THIS WORK. REPORT CONFLICTING CONDITIONS TO THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. SHOULD THE CONTRACTOR PROCEED WITH WORK WITHOUT PROPER AUTHORIZATION OR WITHOUT REPORTING THE MATTER, HE DOES SO AT HIS OWN RISK. IF THE ENGINEER DETERMINES THAT CORRECTIONS ARE NEEDED BECAUSE OF THE CONTRACTOR'S ACTIONS, THEY SHALL BE MADE AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

FIRMLY AND PERMANENTLY SECURE IN PLACE ALL ELECTRICAL EQUIPMENT TO THE STRUCTURE SO THAT IT IS LEVEL, PLUMB, AND TRUE WITH THE STRUCTURE AND OTHER EQUIPMENT, AND INSTALLED SUCH THAT IT WILL RESIST SEISMIC MOVEMENT. PERFORM ALL INSTALLATIONS IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS (E.G., UL STANDARDS), MANUFACTURER'S INSTRUCTIONS, DRAWINGS AND SPECIFICATIONS AND WITH THE METHODS RECOMMENDED BY THE NATIONAL ELECTRICAL CONTRACTORS' STANDARD OF INSTALLATION. NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE ABOVE PRIOR TO THE INSTALLATION OF MATERIALS.

CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND SERVICES AS POSSIBLE. SCHEDULE ANY POWER OR OTHER UTILITY SHUTDOWN WITH OWNER'S REPRESENTATIVE FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN WORK SHALL BE PERFORMED ON OVERTIME HOURS IF SO DIRECTED BY THE OWNER.

ALL UL LISTED, NRTL, OR OTHER LISTED EQUIPMENT SHALL BE INSTALLED AS PER LISTING OR LABELING (I.E., MAXIMUM FUSE SIZE MEANS FUSE PROTECTION REQUIRED).

EXAMINE THE SITE PRIOR TO BID TO DETERMINE EXISTING SITE CONDITIONS, WHICH MAY AFFECT THE WORK. NO ALLOWANCE WILL BE ALLOWED FOR ANY EXTRA WORK REQUIRED DUE TO A FAILURE TO RECOGNIZE OR NEGLIGENCE TO DISCOVER CONDITIONS PRIOR TO BID.

INSTALL NAMEPLATES ON CIRCUIT BREAKERS AND SWITCHES, WHETHER PROVIDED UNDER THIS DIVISION OR SOME OTHER.

TEST GROUNDING SYSTEMS, FOR RESISTANCE TO EARTH. PROVIDE ADDITIONAL GROUNDING ELECTRODES, IF GROUND RESISTANCE EXCEEDS 5 OHMS.

PERFORM ALL TESTS SUGGESTED BY THE EQUIPMENT MANUFACTURERS.

VERIFY THAT EVERYTHING INSTALLED AS PART OF THE SCOPE OF WORK FUNCTIONS PROPERLY. VERIFY THAT ANY WORK PERFORMED DID NOT ADVERSELY AFFECT EXISTING SYSTEMS OR EQUIPMENT.

PVC CONDUIT:
1. SCHEDULE 40, NEMA TC2, TYPE II UNDERGROUND INSTALLATION.
2. MINIMUM SIZE, 3/4 INCH.

PRECAST CONCRETE BOXES

A. PROVIDE HIGH-DENSITY REINFORCED CONCRETE PULL AND JUNCTION BOXES WITH H-20 TRAFFIC RATING. BOXES SHALL HAVE END AND SIDE KNOCKOUTS AND BE AS MANUFACTURED BY CHRISTY, FORNI, BROOKS, OR APPROVED EQUAL. FABRICATED BOXES WITH NON-SETTLING SHOULDERS TO FACILITATE MAINTAINING GRADE DURING BACKFILLING. UNLESS NOTED OTHERWISE, PROVIDE GALVANIZED STEEL CHECKER PLATE COVERS WITH HOLD-DOWN BOLTS, IDENTIFIED AS FOLLOWS:

SYSTEM	IDENTIFICATION
LIGHTING	LIGHTINGL

WIRE AND CABLE

A. CONDUCTOR: INSULATED COPPER, INDIVIDUAL CONDUCTORS, 98 PERCENT CONDUCTIVITY, #10 AWG, STRANDED, RETED 600 VOLTS AND 90 DEGREES WITH XHHW-2 INSULATION.

NUMBERED NOTES:

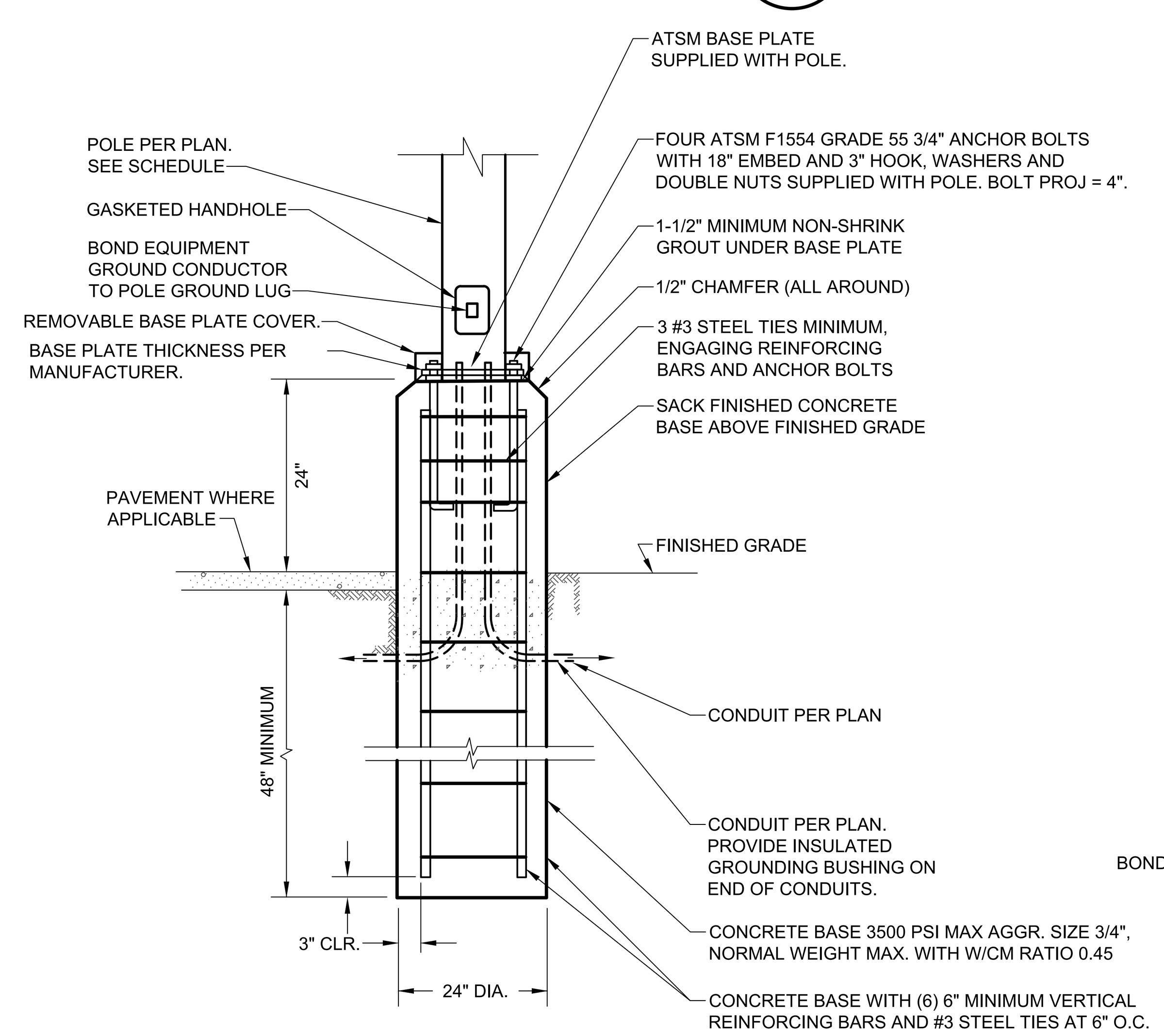
1. EXISTING POLE LIGHT CONNECTED TO PANEL H5A, CIRCUIT #6, VIA LIGHTING CONTROL. CIRCUIT #6 IS CONTROLLED VIA TIME CLOCK AND PHOTOCELL.
2. EXISTING POLE LIGHT CONNECTED TO PANEL H5A, CIRCUIT #4, VIA LIGHTING CONTROL. CIRCUIT #4 IS CONTROLLED VIA PHOTOCELL.
3. LOCATE EXISTING 3/4" CONDUIT STUB AND EXTEND AS TO NEW UNDERGROUND PULLBOX.
4. MOUNT PER DETAIL 2/E100. TYPICAL FOR (6) FIXTURES.
5. REMOVE EXISTING 2 #12 AND 1#12 GND WIRING BACK TO POLE LIGHT.
6. EXTEND EXISTING CIRCUITS #4 AND #6 FROM THIS POLE LIGHT THROUGH EXISTING 3/4" CONDUIT USING 4 #10 AND 1 #10 GND.
7. RECONNECT THIS EXISTING POLE LIGHT TO CIRCUIT #4.
8. CONTINUE CIRCUIT #4 AND #6, USING 4 #10 AND 1 #10 GND. THROUGH EXISTING STUB AND NEW CONDUITS.
9. PROVIDE N16 CHRISTY PULLBOX, INSTALL PER "3/E100".
10. DIRECTIONAL BORE UNDER EXISTING DRIVEWAY AND WALKWAY.

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER / CATALOG NO.	VOLTAGE / DESCRIPTION	LAMP / DESCRIPTION	MOUNTING	REMARK NOTE No.
A	GARDCO ECF-S-48L-900-NW-G2-AR-3-120V-BL-IMR13-BK	277 VOLT / PARKING LOT LIGHT	LED, 135 WATTS	POLE MONTED	1

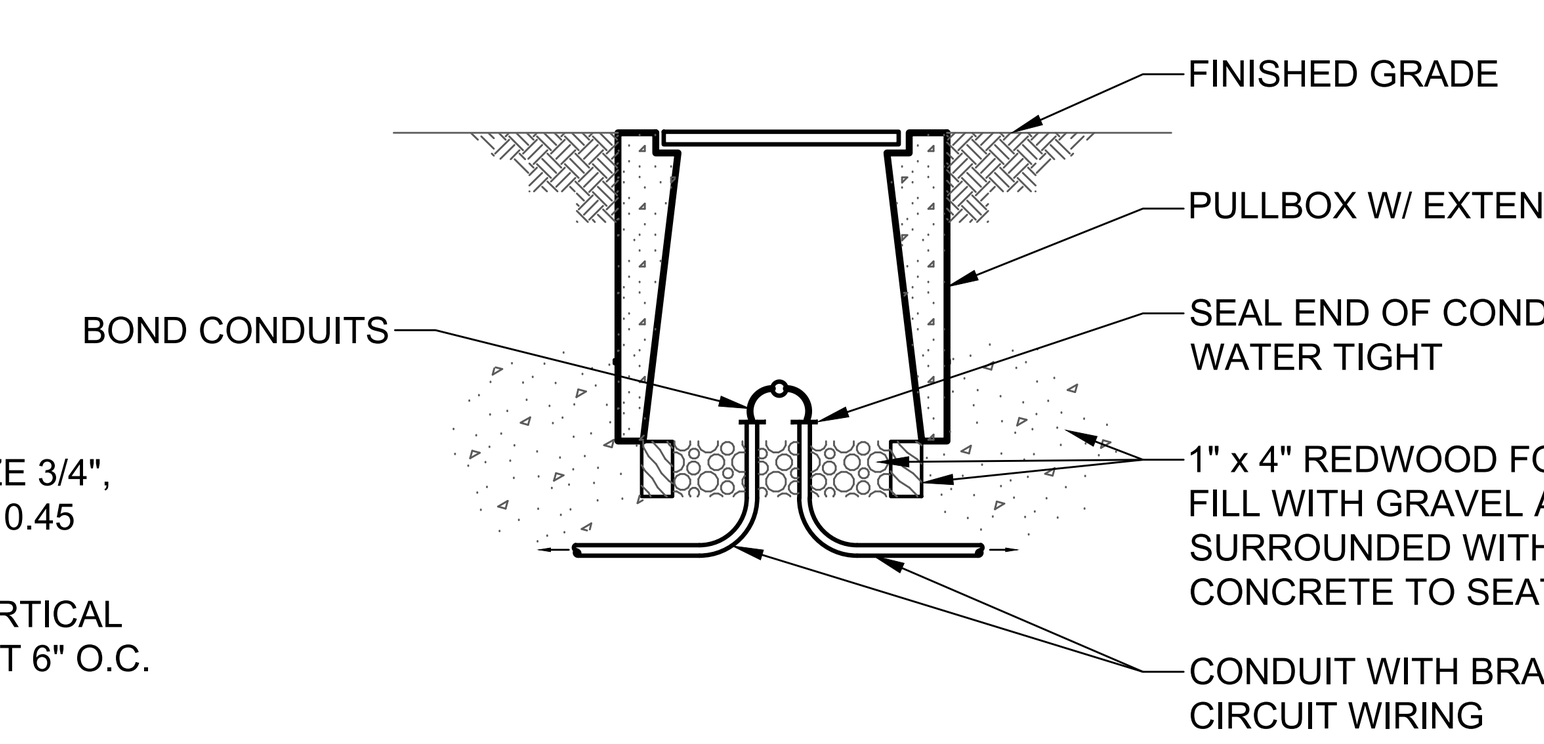
LUMINAIRE SCHEDULE REMARK NOTES:

(1) PROVIDE WITH STEEL POLE, 4" SQUARE, 20' HIGH, PAINTED TO MATCH FIXTURE.



(CALCULATED DIMENSIONS AND MATERIALS BASED ON 100 MPH WIND)

POLE BASE MOUNTING DETAIL
2 / E100
NO SCALE



UNDERGROUND PULL BOX
3 / E100
NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118899 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N.
BENCHMARK NO. 280 ELEV. 12.30
SAN JOAQUIN CO. BOLT+WASHER MARKING THE COS MONUMENT NUMBER 9N-6 ON C/L OF THORNTON RD. APPROX. 2,775 FT SOUTH OF 8-MILE RD.

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-124

AGENCY APPROVAL: BY / DATE
REVISIONS: NO. / DESCRIPTION / DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-05-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 CIVIL STATE OF CALIFORNIA 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: SITE PLAN - ELECTRICAL - REMODEL

PROJECT: "OUT TO BID" JANUARY 12, 2022
JOHN MUIR ELEMENTARY SCHOOL PAVING PROJECT
AT
2303 WHISTLER WAY,
LODI UNIFIED SCHOOL DISTRICT, STOCKTON, SAN JOAQUIN COUNTY, CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER JESSE U. BASTIAN No. E20229 Exp. 03-31-21 ELECTRICAL STATE OF CALIFORNIA

M. NEILS ENGINEERING, INC.
Electrical Engineers | Lighting Designers
100 Howe Ave., Suite 235N
Sacramento, CA 95825-8217
www.mneilsengineering.com
Tel: (916) 923-4400 Fax: (916) 923-4410
PROJECT #: 20352.21

SHEET NO.
E1.10

02-118899

FILENAME: I:\20-124\CIVIL\DWG\X20-124 BD.DWG

ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
LODI USD

2375 GIANNONI WAY
LODI, CA 95242

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE	JP	JOINT UTILITY POLE
AC	ASPHALTIC CONCRETE	LF	LINEAL FEET
AD	AREA DRAIN	LIP	LIP OF GUTTER
APN	ASSESSOR'S PARCEL NUMBER	LT	LEFT
ARV	AIR RELEASE VALVE	MS	MOWSTRIP
ASB	AGGREGATE SUB-BASE	NTS	NOT TO SCALE
BO	BLOW-OFF VALVE	OH	OVERHEAD
BV	BUTTERFLY VALVE	PCC	PORTLAND CEMENT CONCRETE
BW	BACK OF WALK	PD	PLANTER DRAIN
C/L	CENTERLINE	PIV	POST INDICATOR VALVE
CB	CATCH BASIN	P/L	PROPERTY LINE
CL	CLASS	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PUE	PUBLIC UTILITY EASEMENT
CATV	CABLE TELEVISION	PVC	POLYVINYL CHLORIDE
CO	CLEANOUT	RCP	REINFORCED CONCRETE PIPE
COMM	COMMUNICATION	R	RADIUS
CONC.	CONCRETE	RIM	MANHOLE RIM ELEVATION
CONST.	CONSTRUCT	RP	REDUCED PRESSURE BACKFLOW PREVENTER
CR	CURB RETURN		
CS	CONCRETE SURFACE	RW	RIGHT OF WAY
DC	DOUBLE CHECK VALVE	SCH	SCHEDULE
DDC	DOUBLE DETECTOR CHECK VALVE	SD	STORM DRAIN
DG	DECOMPOSED GRANITE	SDMH	STORM DRAIN MANHOLE
DI	DROP INLET	SG	SUBGRADE ELEVATION
DIA	DIAMETER	si	SIDE INLET
DIP	DUCTILE IRON PIPE	SS	SANITARY SEWER
DWG	DRAWING	SSMH	SANITARY SEWER MANHOLE
DS	DOWNSPOUT	STD	STANDARD
E	ELECTRIC	S/W	SIDEWALK
EP	EDGE OF PAVEMENT	T	TELEPHONE
ESMT	EASEMENT	TC	TOP OF CURB
EX	EXISTING	TD	TRENCH DRAIN
FS	FIRE SERVICE LINE	TDCB	TRENCH DRAIN CATCH BASIN
FDC	FIRE DEPARTMENT CONNECTION	TP	TELEPHONE POLE
FL	FLOWLINE	TRW	TOP OF RETAINING WALL
FM	SANITARY SEWER FORCE MAIN	TSW	TOP OF SEAT WALK
FF	FINISHED FLOOR ELEVATION	TW	TOP OF WALK ELEVATION
FH	FIRE HYDRANT	U	UTILITY
G	GAS	UG	UNDERGROUND
GR	GRATE ELEVATION	UON	UNLESS OTHERWISE NOTED
GRD	GRADE ELEVATION	VCP	VITRIFIED CLAY PIPE
GV	GATE VALVE	W	WATER
HB	HOSE BIBB	W/	WITH
HBD	HEADER BOARD	W/O	WITHOUT
HDPE	HIGH DENSITY POLYETHYLENE PIPE	WV	WATER VALVE
HP	HIGH POINT		
INV	PIPE INVERT ELEVATION		

SYMBOLS LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD — STORM DRAIN LINE (SIZE AND FLOW SHOWN)
- STORM DRAIN MANHOLE (SDMH)
- CATCH BASIN (CB)
- DROP INLET (DI)
- AREA DRAIN (AD)
- PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
- CO — STORM DRAIN CLEANOUT
- 99.99 — ELEVATION
- FF=100.00 — FINISHED FLOOR ELEVATION
- PAD=99.33 — BUILDING PAD ELEVATION
- CONCRETE SIDEWALK
- GRADED DIRECTION FOR DRAINAGE FLOW
- SWALE
- SLOPE
- TREE TO BE REMOVED
- SAVE — TREE TO REMAIN
- RETAINING WALL
- O.R. — OVERLAND RELEASE PATH

PROPOSED WATER SYMBOLS:

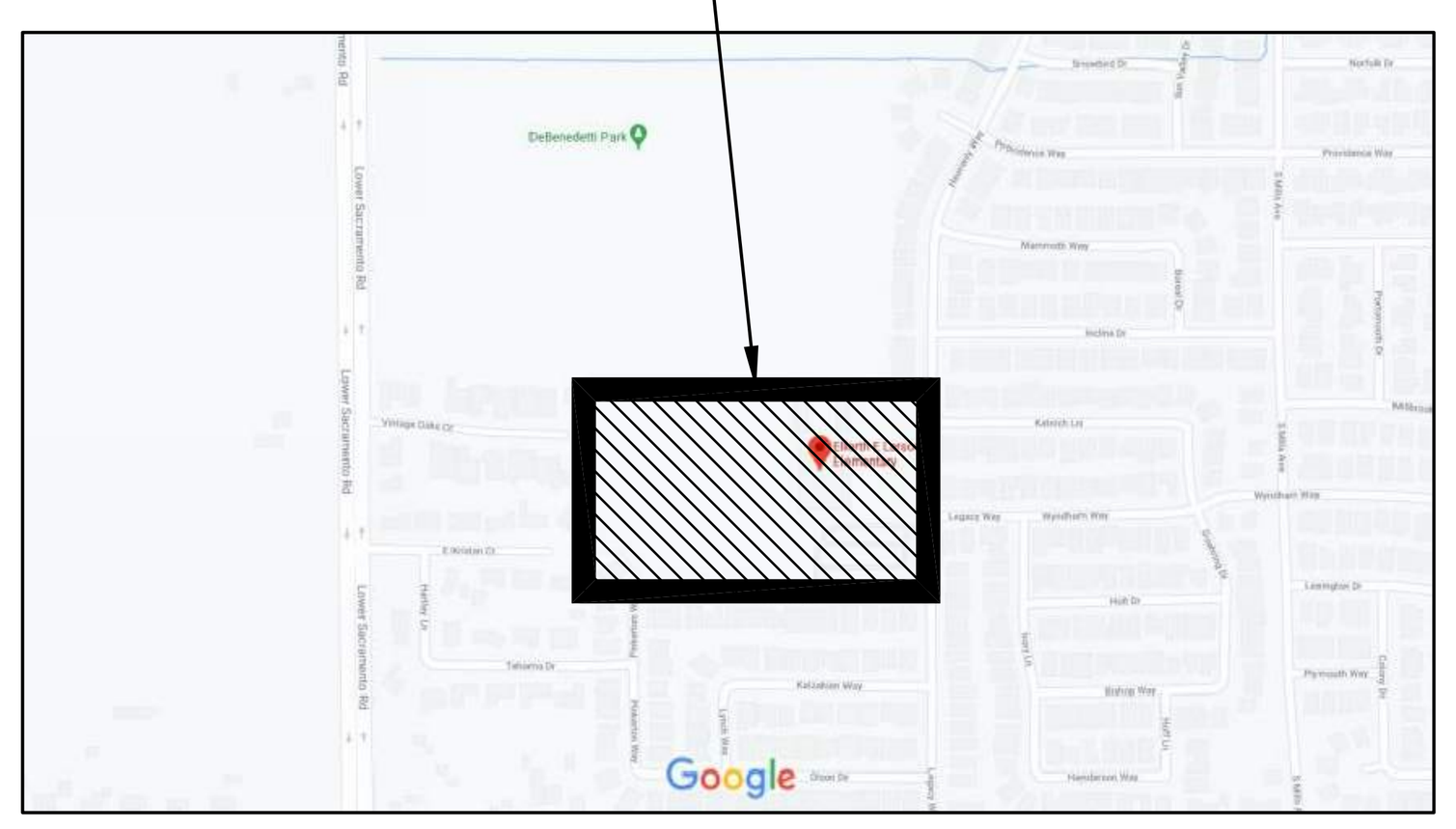
NONE – N/A

PROPOSED SANITARY SEWER SYMBOLS:

NONE – N/A

VICINITY MAP

PROJECT LOCATION
2375 GIANNONI WAY
LODI, CA 95242



NORTH **NOT TO SCALE**

SITE MAP



NORTH **NOT TO SCALE**

APPLICABLE CODES & STANDARDS

BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
(2012 INTERNATIONAL BUILDING CODE VOLUME 1-2 AND 2013 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA PLUMBING CODE (CBC), PART 5, TITLE 24 C.C.R.
(2012 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)

2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 C.C.R.
(2012 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)

2016 GREEN CALIFORNIA BUILDING STANDARDS, CALGREEN CODE, TITLE 24, PART 11

2016 CALIFORNIA REFERENCE STANDARDS, PART 12, TITLE 24 C.C.R.

TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHALL REGULATIONS

PROJECT NARRATIVE

THE PROJECT CONSISTS OF:

1. CONSTRUCTION OF NEW PARKING LOT, DRIVEWAYS AND VARIOUS CONCRETE PATHWAYS, WITH NEW CONCRETE AND ASPHALT PAVING AND STRIPING.
2. ACCESSIBLE PATH OF TRAVEL UPGRADES HAVE BEEN PROVIDED AS REQUIRED BY CBC 2019, 11B-202.4.

THERE ARE NO NEW OR EXISTING BUILDINGS, BUILT, UPGRADED OR MODERNIZED BY THIS SET OF PLANS, ONLY PAVEMENT REPLACEMENT AND ACCESSIBILITY UPGRADES TO COMPONENTS OF THE EXISTING PATHS OF TRAVEL WITHIN THE PROJECT SCOPE.

APPLICABLE REGULATIONS

A. ADDENDA AND CHANGE ORDER PER SECTION 4-338.

B. INSPECTOR APPROVAL BY D.S.A. INSPECTOR AND CONTINUOUS INSPECTION OF WORK PER SECTION 4-333(B) AND 4-342, DUTIES OF PROJECT INSPECTOR.

C. TESTS AND TESTING LABORATORY PER SECTION 4-335 (DISTRICT SHALL PAY FOR THE TESTING LABORATORY).

D. SPECIAL INSPECTIONS PER SECTION 4-333(C).

E. CONTRACTOR SHALL SUBMIT VERIFIED REPORTS PER SECTION 4-336 AND 4-343(C), DUTIES OF THE CONTRACTOR.

F. DUTIES OF THE PROFESSIONAL ENGINEER (P.E.) SECTION 4-333(A) AND 4-341.

G. GOVERNING CODES TITLES 24, C.C.R.

H. A COPY OF TITLE 24 PART 1 AND PART 2 SHALL BE KEPT ON SITE AND AVAILABLE AT ALL TIME DURING CONSTRUCTION.

I. D.S.A. SHALL BE NOTIFIED OF START OF CONSTRUCTION PER SECTION 4-331.

J. SUPERVISION BY THE DIVISION OF STATE ARCHITECTS (D.S.A.) PER SECTION 4-334.

K. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS ARE TO GIVE DIRECTION TO CONSTRUCT THE IMPROVEMENTS SHOWN HEREIN FOR ACCESSIBILITY IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP WHICH ARE NOT COVERED BY THE CONTRACT DOCUMENTS, SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TOO, AND APPROVED BY D.S.A. BEFORE PROCEEDING WITH WORK.

DEFERRED APPROVALS

NONE

STATEMENTS:

NONE

GENERAL NOTES

1. THE TYPES, LOCATIONS, SIZES, AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE PLANS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY MEMBERS OF UNDERGROUND SERVICE ALERT (USA) TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK BY CALLING TOLL FREE 1-800-227-2600, OR 811.

811 Know what's **below.** **Call** before you dig.

2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS, HORIZONTAL OR VERTICAL, IF STAKED BY OTHERS. IN ADDITION, ANY SUCH ERRORS IN PHYSICAL LOCATION MAY AFFECT THE INTENDED DESIGN OF SUCH IMPROVEMENTS AND WCE CANNOT BE HELD RESPONSIBLE FOR SUCH CONDITIONS WHICH ARE A RESULT OF ERRORS IN SURVEYING, OR IMPROPER CONSTRUCTION.
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION, ALL WORK IN THE VICINITY SHALL BE STOPPED UNTIL SUCH ITEMS CAN BE ASSESSED BY AN APPROPRIATE MEMBER OF THE COUNTY ENVIRONMENTAL IMPACT SECTION STAFF.
4. CONTRACTOR AGREES THAT HE/SHE 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: THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS: AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY FOR ALL EXCAVATIONS OF 5 FEET OR MORE IN DEPTH.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION, AND/OR OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS AND PER THE PROJECT SPECIFICATIONS. IT IS THE CONTRACTORS RESPONSIBILITY TO DETERMINE, AND INCLUDE IN HIS/HER CONTRACT, ALL MEANS AND METHODS NECESSARY TO PERFORM A COMPLETE AND ACCEPTABLE JOB.
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT ANY SUCH EXISTING IMPROVEMENTS OUTSIDE THE PROJECT BOUNDARY, OR EXISTING IMPROVEMENTS WITHIN THE BOUNDARY WHICH ARE TO REMAIN. PROPER PRECAUTIONS SHALL BE PROVIDED AND MAINTAINED THROUGHOUT CONSTRUCTION. ANY DAMAGE SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION (WHICH WERE NOT FORMALLY ISSUED). UPON PROJECT COMPLETION, THESE RECORDS AND/OR INFORMATION SHALL BE PROVIDED TO THE OWNER AND WARREN CONSULTING ENGINEERS, INC. UNLESS AN OFFICIAL "AS-BUILT" SET OF PLANS IS A REQUIREMENT OF THE CONTRACT. IF AS-BUILT PLANS ARE A REQUIREMENT OF THE CONTRACT, REFER TO SPECIFICATIONS FOR AS-BUILT DELIVERABLE REQUIREMENTS.
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE, PARALLEL OR PERPENDICULAR TO THE VEHICULAR TRAVELED PATH. THIS IS TYPICALLY THE ROADWAY CENTERLINE, BUT MAY VARY. THAT SAWCUT EDGE SHALL BE PROTECTED FROM DAMAGE DURING CONSTRUCTION SO A CLEAN EDGE REMAINS FOR PATCH BACK.. IF EDGE IS DAMAGED, A NEW SAW CUT WILL BE REQUIRED. THE EXPOSED EDGE SHALL BE "TACKED" WITH EMULSION PRIOR TO PAVING.
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS, OR SPECIFICALLY APPROVED AND COORDINATED WITH THE ARCHITECT, ENGINEER, AND LOCAL AGENCY OR OTHER ADMINISTRATIVE AUTHORITY.
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS, CONTOURS OR OTHER STRUCTURE ELEVATIONS SHOWN ON GRADING OR OTHER PLANS. NO MOUNDS, RUTS, DEPRESSIONS OR OTHER GRADING DEFICIENCIES WILL BE ALLOWED UNLESS SPECIFICALLY SHOWN ON PLANS.
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS. SADDLE TAPS WILL ONLY BE ALLOWED WHEN MAKING CONNECTIONS TO EXISTING WATER MAINS.
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT. ANY "SPOTTY" APPLICATIONS SHALL BE RECOATED IMMEDIATELY. APPLICATION SHALL BE INSPECTED BY PROJECT INSPECTOR DURING APPLICATION.
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE ADDITIONAL SCORE OR EXPANSION JOINTS TO PREVENT UNCONTROLLED CRACKING. THOSE ADDITIONAL JOINTS MAY OR MAY NOT BE SPECIFICALLY SHOWN ON PLANS BUT SHALL BE PROVIDED BY THE CONTRACTOR.
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING, POSTS, OR COLUMNS, STEEL BOLTED PLATES, OR OTHER STRUCTURES, SHALL REQUIRE A MINOR ADJUSTMENT OF REBAR WITHIN CONCRETE TO ALLOW FOR SUCH STRUCTURE. THAT REBAR ADJUSTMENT MAY NOT BE SPECIFICALLY SHOWN ON PLANS.
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE. THE ADDITION OF WATER CAN ONLY BE ADDED UNDER THE SUPERVISION OF THE CONCRETE INSPECTOR OR LABORATORY TECHNICIAN.
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER. ANY WATER ADDED TO HOPPER WILL BE REASON FOR CONCRETE REJECTION AT THE CONTRACTORS EXPENSE.
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP, BUT NO LESS THAN 1" FOR CONTROLLING OF CRACKING. CONTRACTOR SHALL EXERCISE CAUTION WHEN FINAL TROWELING OF CONCRETE SO AS NOT TO FILL IN THESE JOINTS WITH CONCRETE CREAM. ANY CRACKS OUTSIDE OF JOINTS WHICH WERE CONSTRUCTED LESS THAN 1" DEEP, SHALL BE CAUSE FOR CONCRETE SLAB(S) TO BE REMOVED AND REPLACE AT CONTRACTORS EXPENSE.
19. ANY SCREED BOARDS SET WITHIN CONCRETE SLABS SHALL BE AN "OVERHEAD SCREED" SO THERE IS NO INTERFERENCE WITH THE PLACEMENT AND ALIGNMENT OF SLAB REINFORCING.
20. 3-1/2" FELT JOINTS WILL NOT BE ACCEPTED. PROVIDE A FULL 4" FELT JOINT FOR 4" SLAB CONSTRUCTION, AND A 6" FELT JOINT FOR A 6" SLAB SLAB CONSTRUCTION.
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS, THEN THE CONCRETE SLAB SHALL BE SAWCUT AT THE NEAREST JOINTS ON EACH SIDE OF THE CRACK AND THE CONCRETE SECTION SHALL BE, REMOVED AND REPLACED. NEW CONCRETE SHALL BE DOWELED INTO EXISTING CONCRETE PER DRAWING DETAIL.
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED. HYDRO SEEDING SHALL CONFORM TO LOCAL CITY/COUNTY STANDARDS.
23. REPAIR OR PATCHING OF GALVANIZED METALS, SUCH AS AFTER WELDING GALVANIZED COMPONENTS, SHALL BE MADE USING A ZINC COMPOSITION "HOT STICK" APPLICATION PER ASTM A 780-01. GALVANIZING PAINTS WILL NOT BE ALLOWED.

GENERAL PAVING SURFACE NOTES:

1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%, TYPICAL. PROVIDE EQUIVALENT OF HEAVY BROOM FINISH AT SLOPES 6% AND GREATER. REFER TO SPECIFICATIONS.
2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0%, AND NO LESS THAN 0.75% IN ANY DIRECTION, UNLESS SPECIFICALLY LABELED OTHERWISE. ALL CONCRETE SHALL MEET THE FOLLOWING SLOPE REQUIREMENTS:
   - NO GREATER THAN 5% SLOPE IN THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE CROSSING THE DIRECTION OF TRAVEL.
   - NO GREATER THAN 2% SLOPE IN ANY DIRECTION IN COURTYARD OR PLAZA AREAS.

ENCROACHMENT PERMIT REQUIRED FOR ALL WORK INSIDE THE PUBLIC RIGHT OF WAY OR PUBLIC UTILITY EASEMENT.

SHEET INDEX

TOTAL SHEETS: 16

NO.	SHEET DESCRIPTION
CIVIL	
C0.0	COVER SHEET
C0.1	TOPOGRAPHIC SURVEY
C1.0	OVERALL SITE PLAN
C1.1	DEMOLITION PLAN
C1.2	ENGINEERED FILL PLAN
C2.1	GRADING PLAN
C2.2	GRADING PLAN ADD ALTERNATE #1
C3.1	PAVING PLAN
C4.1	STRIPING AND SIGNAGE PLAN
C5.1	DETAILS AND SECTIONS
C5.2	DETAILS AND SECTIONS
C6.1	OFF-SITE COVER SHEET
C6.2	OFF-SITE GENERAL NOTES
C6.3	GIANNONI WAY DEMOLITION PLAN
C6.4	GIANNONI WAY IMPROVEMENT PLAN
ELECTRICAL	
E1.10	SITE PLAN – ELECTRICAL – REMODEL

OWNER/USER

Educating Students for Success — Lodi Unified School District

OWNER: LODI UNIFIED SCHOOL DISTRICT
1305 E. VINE STREET
LODI, CA 95240
PHONE: (209) 331-7000

CONTACT: VICKIE BRUM

PROJECT TEAM

CIVIL: WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762
PHONE: (916) 985-1870
FAX: (916) 985-1877

ELECTRICAL: M. NEILS ENGINEERING, INC.
100 HOWE AVE., SUITE 235N
SACRAMENTO, CA 95825-8217
PHONE: (916) 923-4400
FAX: (916) 923-4410

CONSTRUCTION MANAGER: CAPITAL PROGRAM MANAGEMENT
1851 HERITAGE LANE, SUITE 210
SACRAMENTO, CA 95815
PHONE: (916) 553-4400

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

REVISIONS NO.	DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER — ANTHONY J. TASSANO — NO. C74696 — CIVIL — STATE OF CALIFORNIA — 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: COVER SHEET

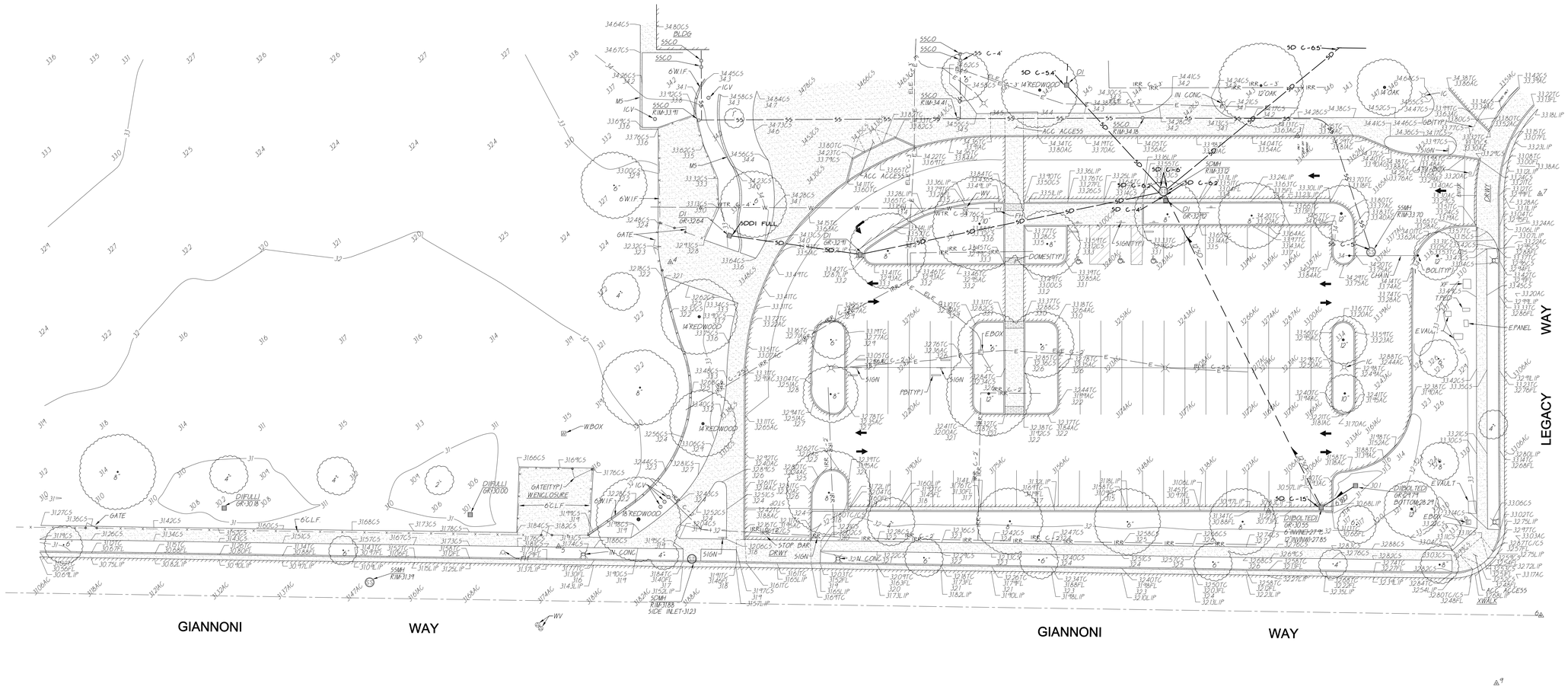
PROJECT: "OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY

LODI UNIFIED SCHOOL DISTRICT, LODI SAN JOAQUIN COUNTY, CALIFORNIA

SHEET NO.
C0.0

02-118901

FILENAME: I:\20-138\CIVIL\DWG\20-138-C00.DWG



EXISTING TOPOGRAPHY

- PROPERTY LINE
- CENTERLINE
- EASEMENT
- PROPERTY CORNER FOUND AS NOTED
- PROPERTY CORNER NOTHING FOUND OR SET
- TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- SWALE OR DRAINAGE FLOW
- DRAINAGE FLOW
- FENCE (TYPE NOTED)
- TREE (SIZE/TYPE INDICATED)
- SLOPE
- CONTOUR
- CONCRETE SURFACE
- EDGE OF ASPHALT
- EDGE OF BUILDING
- SIGN
- POST OR BOLLARD
- GROUND ELEVATION
- HARD SURFACE ELEVATION

EXISTING UTILITIES

- STORM DRAIN LINE (SIZE + DIRECTION OF FLOW)
- STORM DRAIN LINE (RECORD INFORMATION)
- STORM DRAIN LINE (UNDERGROUND LOCATING)
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT
- DROP INLET
- AREA DRAIN
- RAIN WATER LEADER
- DOWNSPOUT
- SANITARY SEWER LINE (SIZE + DIRECTION OF FLOW)
- SANITARY SEWER LINE (RECORD INFORMATION)
- SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- WATER LINE (SIZE INDICATED)
- WATER LINE (RECORD INFORMATION)
- WATER LINE (UNDERGROUND LOCATING)
- WATER MANHOLE
- WATER VALVE
- WATER METER
- WATER BOX
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- SPRINKLER
- HOSE BIBB
- OVERHEAD ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND ELECTRIC LINE (RECORD INFORMATION)
- UNDERGROUND ELECTRIC LINE (UNDERGROUND LOCATING)
- ELECTRIC MANHOLE
- UTILITY POLE (WITH GUY WIRE)
- ELECTRIC METER
- ELECTRIC BOX
- STREET LIGHTING BOX
- LIGHT STANDARD
- SIGNAL LIGHT
- FLOOD LIGHT
- ELECTRICAL OUTLET
- GAS LINE (SIZE INDICATED)
- GAS LINE (RECORD INFORMATION)
- GAS LINE (UNDERGROUND LOCATING)
- GAS MANHOLE
- GAS VALVE
- GAS METER
- TELEPHONE LINE
- TELEPHONE LINE (RECORD INFORMATION)
- TELEPHONE LINE (UNDERGROUND LOCATING)
- STORM DRAIN BOX
- TRAFFIC SIGNAL BOX

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AC	ASPHALTIC CONCRETE
ACC	ACCESSIBLE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
BBALL	BASKETBALL POLE
BCM	BRASS CAP MONUMENT
BFP	BACK FLOW PREVENTER
BL	BLOCK
BLDG	BUILDING
BOL	BOLLARD
BOV	BLOW-OFF VALVE
BR	BRICK
B.W.F.	BARBED WIRE FENCE
C	COMMUNICATION
CAB	CABINET
CATV	CABLE TELEVISION
CIP	CAPPED IRON PIPE
C.L.F.	CHAIN LINK FENCE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
COL	COLUMN
CONC	CONCRETE
COND	CONDENSATE
CPF	CONTROL POINT FOUND
CPS	CONTROL POINT SET
CS	CONCRETE SURFACE
D	DEPTH
DDC	DOUBLE DETECTOR CHECK VALVE
DF	DRINKING FOUNTAIN
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DRWY	DRIVEWAY
DS	DOWNSPOUT
DWG	DRAWING
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FA	FIRE ALARM
FDC	FIRE DEPARTMENT CONNECTION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FL	FLOWLINE
FO	FIBER OPTIC
FS	FIRE SERVICE
G	GAS
GB	GRADE BREAK
GR	GRATE
GRB	GROUND ROD BOX
GROD	GROUND ROD
GV	GAS VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HP	HIGH PRESSURE
HR	HANDRAIL
HVE	HIGH VOLTAGE ELECTRIC
HWF	HOG WIRE FENCE
IC	IN CONCRETE
ICV	IRRIGATION CONTROL VALVE
INV	PIPE INVERT ELEVATION
IRR	IRRIGATION
JP	JOINT UTILITY POLE
JT	JOINT TRENCH
LNDG	LANDING
LVE	LOW VOLTAGE ELECTRIC
M	METAL
MH	MANHOLE
MP	METAL POLE
MS	MOW STRIP
MSC	METAL STORAGE CONTAINER
OH	OVERHEAD
OHANG	OVERHANG
OIP	OPEN IRON PIPE
OSPH	OLD STEEL POST HOLE
P/L	PROPERTY LINE
PA	PLANTER AREA
PB	PARKING BUMPER
PH	POSTHOLE
PIV	POST INDICATOR VALVE
PP	POWER POLE
PRKG	PARKING
PUE	PUBLIC UTILITY EASEMENT
PV	PAVERS
R	RUBBER
RG	ROLLING GATE
RIM	MANHOLE RIM ELEVATION
ROW	RIGHT OF WAY
RWALL	RETAINING WALL
RWD	REDWOOD
RWL	RAIN WATER LEADER
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SIG	SIGNAL
SL	STREET LIGHT
SLB	STREET LIGHT BOX
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEANOUT
SSMH	SANITARY SEWER MANHOLE
STL	STEEL
SW	SEATWALL
T	TELEPHONE
TBALL	TETHER BALL POLE
TBM	TEMPORARY BENCHMARK
TC	TOP OF CURB
TOW	TOP OF WALL
TRW	TOP OF RETAINING WALL
UNK	UNKNOWN
VBALL	VOLLEYBALL
W	WATER
W/	WITH
W/O	WITHOUT
WD	WOOD
W.I.F.	WROUGHT IRON FENCE
W.R.F.	WOOD RAIL FENCE
XF	TRANSFORMER
XWALK	CROSSWALK

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
1	CPS CHISELED "+"	10001.41	10000.53	31.32
2	CPS CHISELED "+"	10405.98	10005.40	34.12
3	CPS CHISELED "+"	10162.07	10012.85	34.19
4	CPS CHISELED "+"	10107.92	9744.18	32.40
5	CPS CHISELED "+"	9986.22	9696.33	31.84
6	CPF CL MON	9956.67	10117.23	32.91
7	CPF CL MON	10137.15	10116.77	33.42
8	CPF CL MON	10174.82	10154.32	33.52
9	CPF BM 1074	9927.66	10098.11	33.00
10	CPS CHISELED "+"	10378.68	9696.32	34.26
11	CPS CHISELED "+"	10567.00	9686.09	32.76
12	CPS CHISELED "+"	10570.68	9431.40	32.84
13	CPF CL MON	9969.36	9265.41	30.00

BASIS OF BEARINGS:
39 MAPS 54

NOTE:
EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES AND UG LOCATING BY B+B.

B+B NOTES:
UTILITY LOCATIONS MAY NOT BE TO SCALE.
NOT ALL UTILITIES MAY BE SHOWN SOME LATERALS WERE NOT ACCESSIBLE + WERE THEREFORE NOT LOCATED.
DEPTHS SHOWN ARE TO CENTER OF CONDUCTIVE UTILITY + ARE GENERALLY +/-10% OF ACTUAL DEPTH. WHEN NOT DISTORTED BY ADJACENT CONDUCTORS. CRITICAL DEPTHS REQUIRE VERIFICATION BY POTHOLING.

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

DSA

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY, TOC

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

NO.	DESCRIPTION	DATE	BY
	REVISIONS		

AGENCY APPROVAL
DATE
BY

ANTHONY J. TASSANO
No. 17135
REGISTERED PROFESSIONAL ENGINEER
02/19/2021

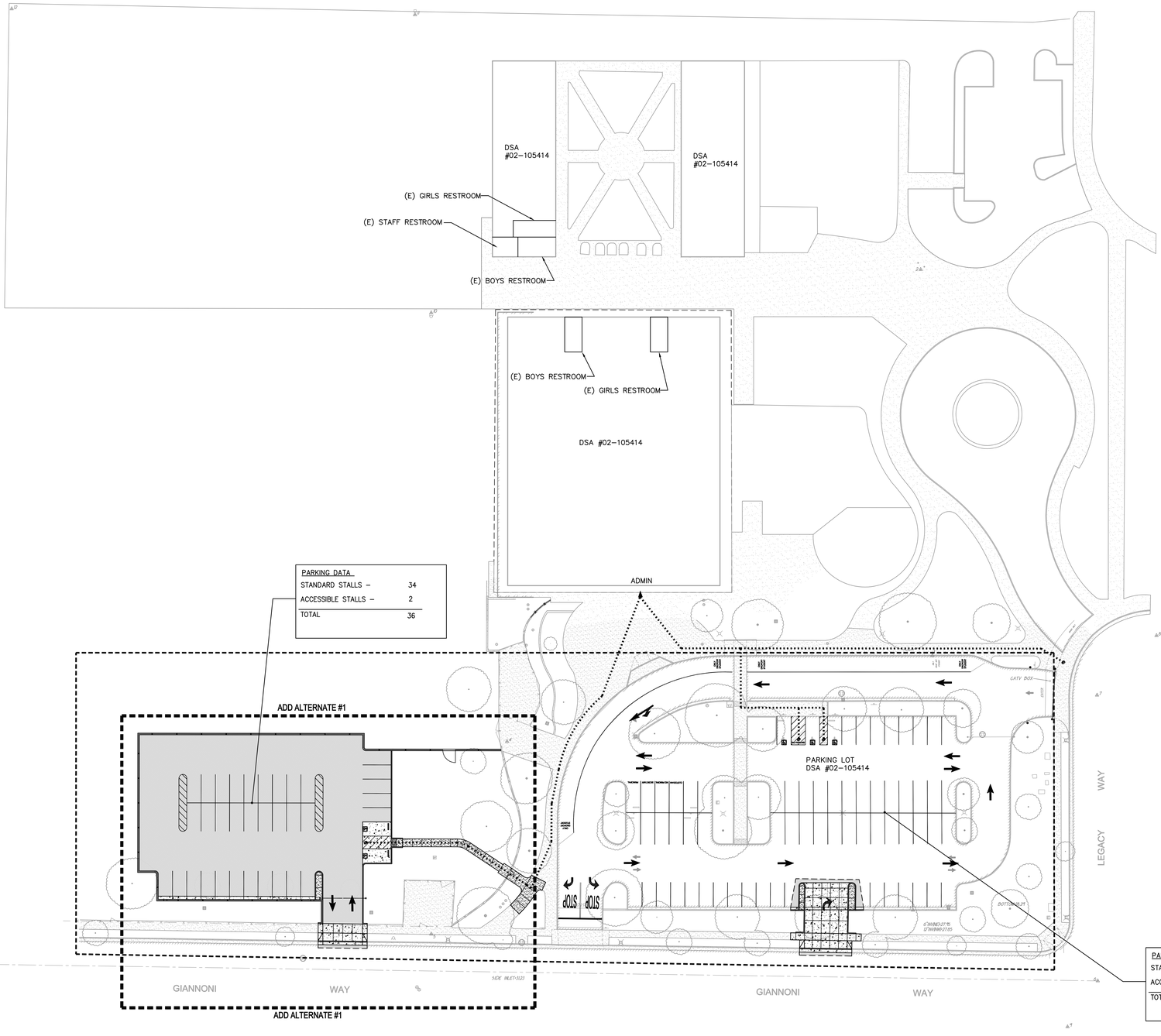
WARREN CONSULTING ENGINEERS, INC.
1117 KINGFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 (916) 985-1870

TITLE: TOPOGRAPHIC SURVEY
"OUT TO BID" JANUARY 12, 2022
PROJECT: ELLERTH E LARSON ELEMENTARY SCHOOL PAVING PROJECT AT 2375 GIANNONI WAY
LODI UNIFIED SCHOOL DISTRICT. LODI SAN JOAQUIN COUNTY, CALIFORNIA

SHEET NO.
C0.1

02-118901

FILENAME:\\20-138\CIVIL\TOPO\20-138-C01.DWG



ACCESSIBLE PATH OF TRAVEL (P.O.T.)

TO THE BEST OF THE KNOWLEDGE OF THE ENGINEER, OR THE DISTRICT, THE PATH OF TRAVEL (P.O.T.) AS INDICATED, IS A BARRIER FREE ACCESS ROUTE CONFORMING TO THE FOLLOWING:

1. THERE ARE NO ABRUPT LEVEL CHANGES EXCEEDING 1/2" IF BEVELED AT 1V:2H MAX SLOPE, OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAX.
2. THE MINIMUM WIDTH OF THE P.O.T. IS 48" AT ANY GIVEN POINT. (11B-403.5.1)
3. THE SURFACE OF THE P.O.T. STABLE, FIRM, AND SLIP RESISTANT. (11B-403.2)
4. THE MAXIMUM SLOPE IN THE DIRECTION OF TRAVEL IS 5.0% (11B-403.3), UNLESS OTHERWISE INDICATED, WITH THE FOLLOWING EXCEPTIONS:
   A. THE SLOPED PORTION OF "RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-405.2).
   B. THE SLOPED PORTION OF A "CURB RAMP" DOES NOT EXCEED 8.33% (1V:12H) IN THE DIRECTION OF TRAVEL (11B-406.2.1 AND 11B-406.3.1).
5. THE CROSS SLOPE OF THE ACCESSIBLE PATH OF TRAVEL DOES NOT EXCEED 2% AT ANY GIVEN POINT (11B-403.3).
6. THE ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11B-307).
7. THERE ARE NO PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307).
8. PASSING SPACES AT LEAST 60"X60" ARE LOCATED NOT MORE THAT 200' APART. (11B-403.5.3)
9. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS HAVE 60" LEVEL AREAS NOT MORE THAN 400' APART. (11B-407.3)
10. THERE IS NO DROP-OFF OVER 4" AT THE EDGE OF WALK OR LANDING. (11B-303.5)
11. ENGINEER AND CONTRACTOR SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.
12. THERE ARE NO GRATINGS WITHIN THE PATH OF TRAVEL WITH GRATE OPENINGS EXCEEDING 1/2" IN THE DIRECTION OF TRAVEL. (11B-302.3)

LEGEND

- EXISTING BUILDING NOT MODERNIZED BY THIS APPLICATION.
- ACCESSIBLE PATH OF TRAVEL (P.O.T.)
- LIMIT/END OF PATH OF TRAVEL THIS PROJECT.
- CONTINUATION OF PATH OF TRAVEL INTO ACCESSIBLE AREA.
- EXISTING CONCRETE WALKWAY
- PROPOSED AC PAVING
- LIMIT OF WORK, THIS PROJECT

DSA PR-1501

"DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) 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 WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

GRAPHIC SCALE

30' 0 15' 30' 60'

(IN FEET) 1 inch = 30 feet

NORTH

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY, TOC

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

AGENCY APPROVAL	DATE	BY

NO.	REVISIONS DESCRIPTION	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. C 24855 CIVIL STATE OF CALIFORNIA 02/19/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: OVERALL SITE PLAN

"OUT TO BID" JANUARY 12, 2022

PROJECT: ELLERTH E LARSON ELEMENTARY SCHOOL PAVING PROJECT AT 2375 GIANNONI WAY

LODI, SAN JOAQUIN COUNTY, CALIFORNIA

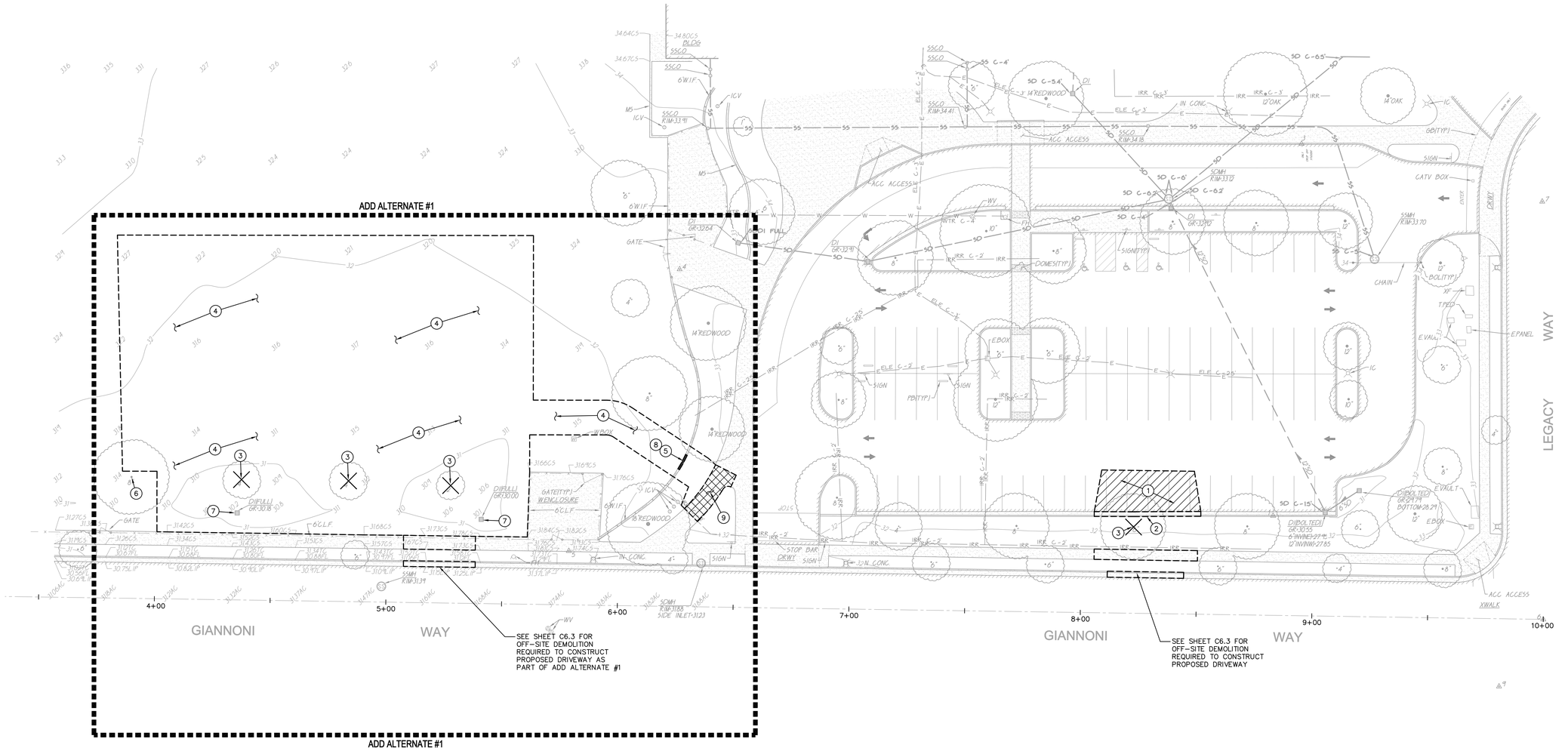
LODI UNIFIED SCHOOL DISTRICT

SHEET NO.

C1.0

02-118901

FILENAME: I:\20-138\CIVIL\DWG\20-138-C10.DWG



DEMOLITION GENERAL NOTES

A. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.

B. NO BURNING OR BLASTING SHALL BE PERMITTED.

C. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.

D. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.

E. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.

F. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWNGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

G. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REINSTALLED WITH NEW BOX AND COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.

H. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.

I. CONTRACTOR SHALL COMPLY WITH CHAPTER 33 OF THE 2019 CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION" AT ALL TIMES DURING CONSTRUCTION.

J. CONTRACTOR SHALL HIRE A UTILITY LOCATING COMPANY AND SHALL SCAN THE ENTIRE AREA WITHIN THE LIMITS OF NEW WORK. ALL UTILITIES LOCATED SHALL BE MARKED AND PROTECTED DURING THE LIMING OPERATIONS AS WELL AS ANY EXCAVATING TASKS. ANY UTILITY DAMAGED WITHIN THE LIMITS OF WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR.

K. ALL DEMOLITION SHALL BE APPROPRIATELY SUPPORTED AND REINFORCED DURING REMOVAL TO PREVENT INJURY FROM FALLING, PROJECTILE, OR OTHERWISE MOVING DEBRIS OR OTHER DELETERIOUS MATERIAL. ONSITE SAFETY WITHIN THE LIMITS OF WORK IS THE CONTRACTORS SOLE RESPONSIBILITY.

L. SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND NEAREST THE LOCATION OF DEMOLITION AS SHOWN. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE, SHOW AND COORDINATE WITH EXISTING JOINTS, HOWEVER IF FIELD CONDITIONS ARE OTHERWISE, IT IS UNDERSTOOD TO REMOVE AND PATCH BACK TO THE NEAREST JOINTS BEYOND DEMOLITION.

M. CONTRACTOR SHALL AVOID DAMAGE TO EXISTING PLANTING AND IRRIGATION ALONG EDGES OF DEMOLITION AND NEW PAVEMENT. CONTRACTOR SHALL REPAIR ANY DAMAGE, TO INCLUDE NEW IRRIGATION LINES, NEW HEADS, NEW BARK/MULCH AND NEW SOD TURF WHERE NECESSARY.

DEMOLITION NOTES

1. REMOVE EXISTING ASPHALT PAVING AND AGGREGATE BASE. WHERE SAWCUT EDGES ARE SHOWN, THEY SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED.
2. REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER.
3. REMOVE AND DISPOSE OF TREE, TRUNK AND ASSOCIATED ROOTS.
4. REMOVE AND DISPOSE OF EXISTING TURF/LANDSCAPING AND ASSOCIATED IRRIGATION PIPING/SPRINKLERS WITHIN LIMITS SHOWN. MARK ALL CAPPED LINES WITH AN IRRIGATION VALVE BOX PER LANDSCAPE DETAILS. ALL EXISTING IRRIGATION AREAS OUTSIDE THE PROJECT WORK AREA SHALL BE PRESERVED AND OPERATIONAL. INTEGRITY SHALL BE MAINTAINED.
5. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE, POSTS AND ASSOCIATED FOOTINGS TO EXTENT SHOWN.
6. EXISTING TREE TO REMAIN.
7. EXISTING DROP INLET TO REMAIN. CLEAN OUT INLET TO ALLOW FOR DRAINAGE.
8. REMOVE AND DISPOSE OF EXISTING CONCRETE MOWBAND TO EXTENT SHOWN.
9. REMOVE EXISTING CONCRETE PAVING AND AGGREGATE BASE. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. CUT SHALL BE MADE AT NEAREST EXISTING JOINT TO LOCATION SHOWN.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' W/ END OF CURB RETURN ON LEGACY WAY., TOC

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

NO.	REVISIONS DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. 18127 CIVIL STATE OF CALIFORNIA 02/19/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1970

TITLE: DEMOLITION PLAN

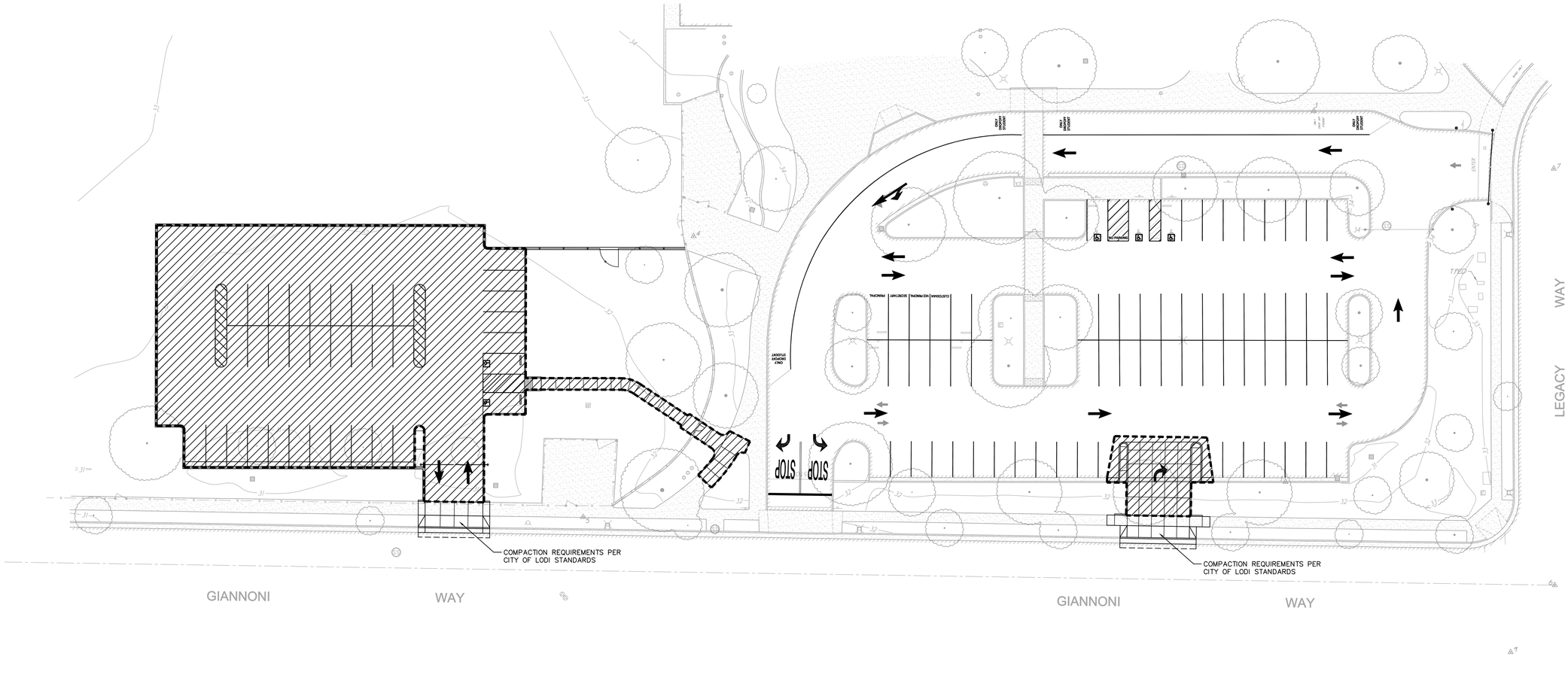
PROJECT: "OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY

LODI UNIFIED SCHOOL DISTRICT, LODI SAN JOAQUIN COUNTY, CALIFORNIA

SHEET NO.
C1.1

02-118901

FILENAME: I:\20-138\CIVIL\DWG\20-138-C11.DWG



SUBGRADE PREPARATION

1. FOLLOWING SITE CLEARING, STRIPPING AND DEMOLITION ACTIVITIES:

   FOR AREAS TO BE CUT TO ACHIEVE SUBGRADE, EXCAVATE DOWN TO ROUGH SUBGRADE ELEVATION, SCARIFY THE EXISTING SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO 0–3 PERCENT ABOVE OPTIMUM AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   FOR AREAS TO BE FILLED TO ACHIEVE SUBGRADE, SCARIFY EXPOSED SOILS TO A MINIMUM DEPTH OF 12 INCHES AND UNIFORMLY MOISTURE CONDITION TO 0–3 PERCENT ABOVE OPTIMUM MOISTURE CONTENT AND COMPACT TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557. FILL MATERIAL SHALL BE PLACED IN LEVEL LAYERS NOT EXCEEDING 6 INCHES IN COMPACTED THICKNESS. FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM DRY DENSITY PER ASTM D1557.

   THE UPPER 12 INCHES OF SUBGRADE SUPPORTING ASPHALT PAVING AND VEHICULAR CONCRETE SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM DRY DENSITY.

   SUBGRADE PREPARATION SHALL EXTEND AT LEAST 2 FEET BEYOND EDGE OF PROPOSED ASPHALT AND CONCRETE PAVING WHEN NOT ABUTTING EXISTING PAVING..

GENERAL NOTES

1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS THE GEOTECHNICAL ENGINEER AND THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
2. NO BURNING SHALL BE PERMITTED.
3. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN ON THESE PLAN WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE TYPES, EXTENT, SIZES, LOCATIONS, AND DEPTHS OF SUCH UNDERGROUND UTILITIES. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE ALL KNOWN UNDERGROUND UTILITIES. HOWEVER, WARREN CONSULTING ENGINEERS CAN ASSUME NO RESPONSIBILITY FOR THE COMPLETENESS OR ACCURACY OF ITS DELINEATION OF SUCH UNDERGROUND UTILITIES, NOR FOR THE EXISTENCE OF OTHER BURIED OBJECTS OR UTILITIES WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE DISTRICT TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING ANY EXCAVATION WORK IN ORDER TO VERIFY TO THE GREATEST EXTENT POSSIBLE THE EXISTING UTILITY LINES, CONFLICTS AND PROPOSED UTILITY CONNECTION POINTS.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

NO.	DESCRIPTION	REVISIONS DATE	AGENCY APPROVAL BY	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. 37762 CIVIL STATE OF CALIFORNIA 02/19/2021

WARREN CONSULTING ENGINEERS, INC.
1117 KINGFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 (916) 985-1870

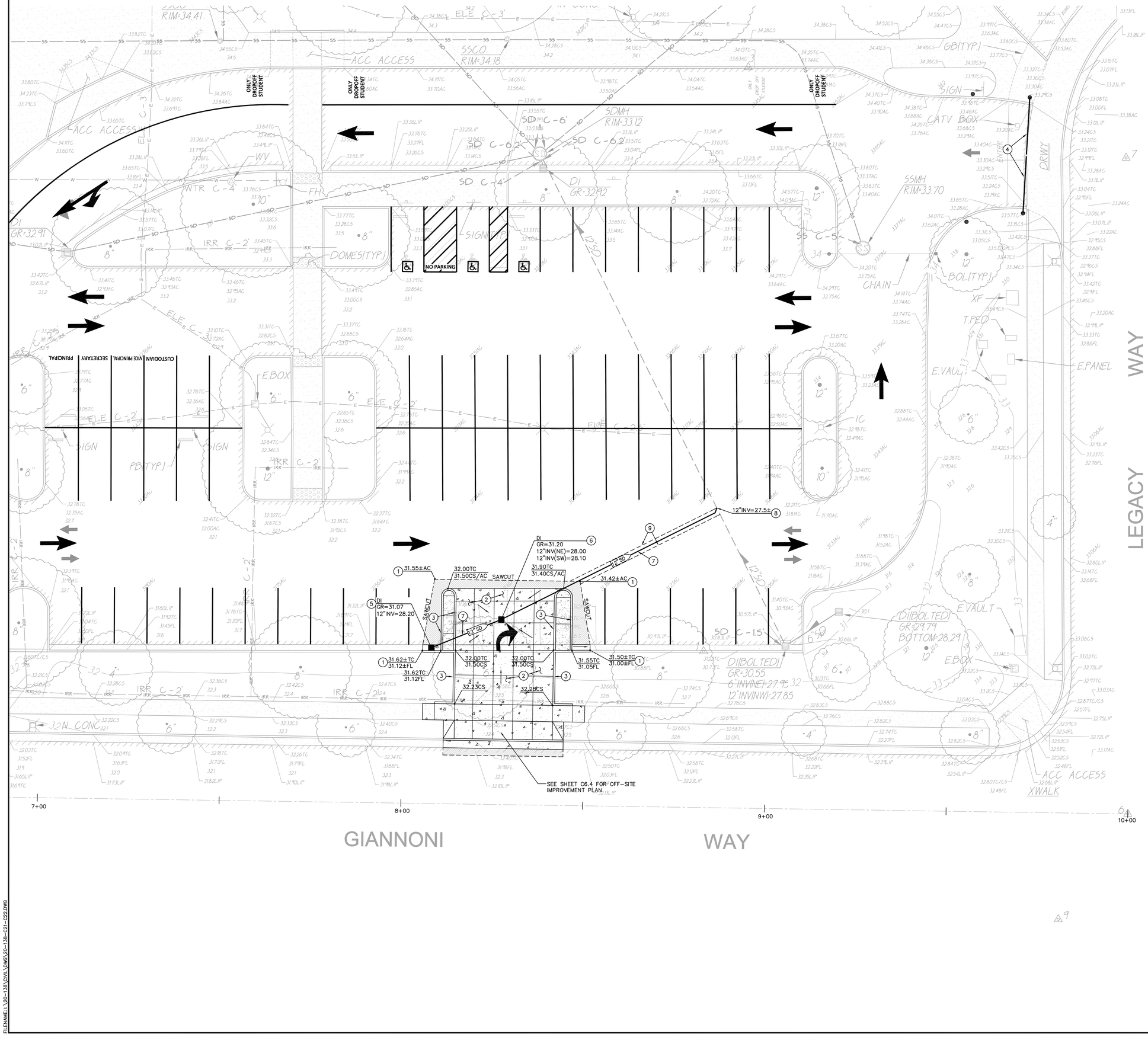
TITLE: ENGINEERED FILL PLAN

PROJECT: "OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY
LODI SAN JOAQUIN COUNTY, CALIFORNIA
LODI UNIFIED SCHOOL DISTRICT

SHEET NO.
C1.2

02-118901

FILENAME:I:\20-138\CIVIL\DWG\20-138-C12.DWG



CONSTRUCTION NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE FLATWORK PER (1 / C5.1)
3. CONSTRUCT CONCRETE CURB PER (2 / C5.1)
4. CONSTRUCT DOUBLE PIPE GATE (32FT WIDE) PER (3 / C5.1)
5. CONSTRUCT CURB INLET PER (4 / C5.1) (5 / C5.1)
6. CONSTRUCT DROP INLET PER (6 / C5.1)
7. PLACE 12" STORM DRAIN PER (6 / C5.1)
8. CONNECT TO EXISTING STORM DRAIN. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
9. PLACE 3"AC OVER 12" AB AT AREAS WHERE TRENCHING HAS OCCURED.

GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

NORTH

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IDENTIFICATION STAMP
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APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

NO.	REVISIONS DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

PROFESSIONAL ENGINEER REGISTERED ANTHONY J. TASSANO No. 72522 CIVIL STATE OF CALIFORNIA 02/19/2021

WARREN CONSULTING ENGINEERS, INC.
1117 KINGFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 (916) 985-1870

TITLE: GRADING PLAN

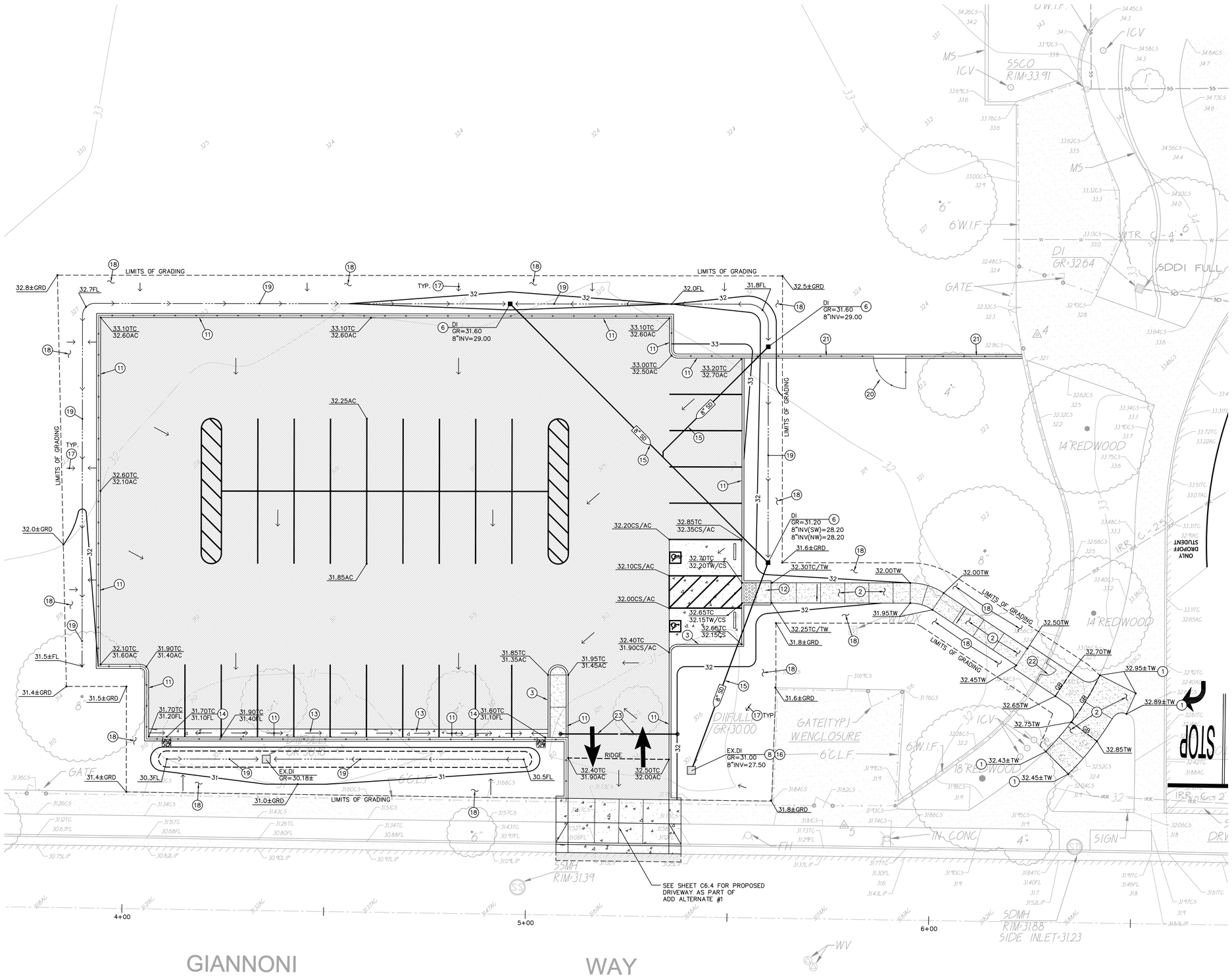
PROJECT: "OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY
LODI SAN JOAQUIN COUNTY, CALIFORNIA

LODI UNIFIED SCHOOL DISTRICT.

SHEET NO.
C2.1

02-118901

FILENAME:I:\20-138\CIVIL\DWG\20-138-C21-C22.DWG



CONSTRUCTION NOTES

1. MATCH EXISTING GRADE/ELEVATION.
2. CONSTRUCT CONCRETE FLATWORK PER (1 C5.1)
3. CONSTRUCT CONCRETE CURB PER (2 C5.1)
6. CONSTRUCT DROP INLET PER (5 C5.1)
8. CONNECT TO EXISTING STORM DRAIN. PROVIDE ALL FITTINGS NECESSARY TO MAKE CONNECTION.
11. CONSTRUCT 12" WIDE CURB AND FENCE PER (10 C5.1) (11 C5.1) (12 C5.1)
12. CONSTRUCT ACCESSIBLE CURB RAMP PER (9 C5.1) (13 C5.1)
13. CONSTRUCT CONCRETE VALLEY GUTTER PER
14. CONSTRUCT 2' WIDE CURB OPENING PER (8 C5.1)
15. PLACE 8" STORM DRAIN PER (7 C5.1)
16. ADJUST EXISTING INLET TO PROPOSED GRADE SHOWN. REMORTAR AS NECESSARY.
17. GRADE UNIFORMLY.
18. PLACE DISTRICT APPROVED TURF SEED MIX AT ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES. PROVIDE NEW IRRIGATION PIPING/SPRINKLERS AS REQUIRED TO MAINTAIN PROPER COVERAGE.
19. CONSTRUCT 4FT WIDE GRASSY SWALE WITH SUBDRAIN PER DETAIL PROVIDED. CONNECT SUBDRAIN TO EXISTING INLET. (5 C5.2) (6 C5.2)
20. CONSTRUCT 8' WIDE SWING GATE PER (1 C5.2) (2 C5.2)
21. CONSTRUCT 12" WIDE CONCRETE MOWBAND WITH 7FT TALL CHAIN LINK FENCE PER (3 C5.2)
22. CONSTRUCT ACCESSIBLE ORNAMENTAL GATE PER (4 C5.2)
23. CONSTRUCT DOUBLE PIPE GATE (29FT WIDE) PER (3 C5.1)

GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

NORTH

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BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

HORIZONTAL SCALE: AS NOTED
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JOB NO.: 20-138

NO.	DESCRIPTION	DATE	BY
	REVISIONS		AGENCY APPROVAL

DESIGNED: AT
DRAWN: AT
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DATE: 02-16-21

ANTHONY J TASSANO — REGISTERED PROFESSIONAL ENGINEER — CIVIL — STATE OF CALIFORNIA — 02/19/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINGFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: GRADING PLAN - ADD ALTERNATE #1

PROJECT:
"OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY

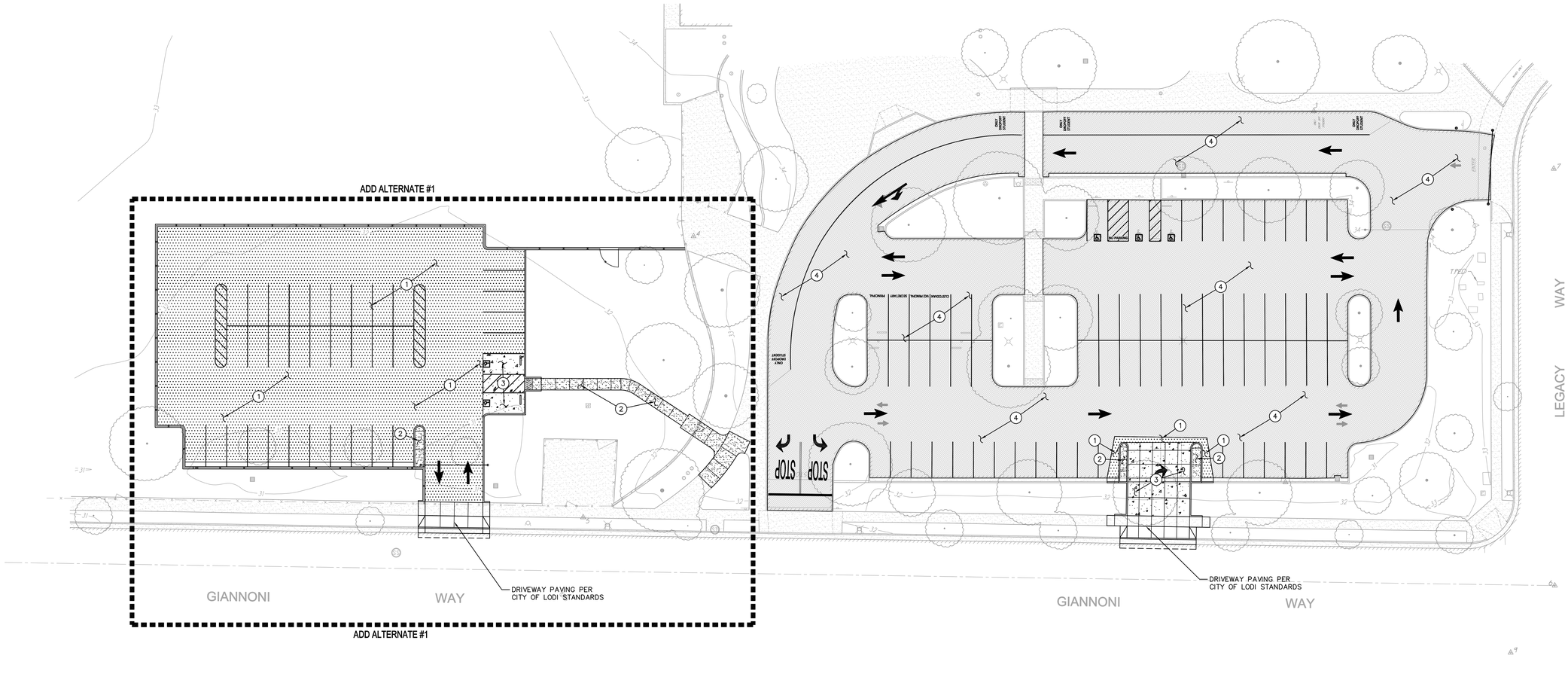
LODI — SAN JOAQUIN COUNTY, CALIFORNIA

LODI UNIFIED SCHOOL DISTRICT.

SHEET NO.
C2.2

02-118901

FILENAME:I:\20-138\CIVIL\DWG\20-138-C21-C22.DWG



GENERAL PAVING NOTES:

1. REFER TO SHEET C4.1 FOR STRIPING LAYOUT.
2. ALL NEW/EXISTING ASPHALT PAVING TO BE PROVIDED WITH TWO (2) APPLICATIONS OF SEALCOAT.
3. SLOPE IN ACCESSIBLE STALLS SHALL NOT EXCEED 2% IN ANY DIRECTION.
4. SLOPE OF FINISHED PAVING TO BE 1% MINIMUM FOR ASPHALT, 0.5% MINIMUM FOR CONCRETE AND THE MAXIMUM SLOPE SHALL BE AS FOLLOWS;

   CROSS SLOPE PERPENDICULAR TO PATH OF TRAVEL – 2% MAX
   DIRECTION OF TRAVEL – 5% MAX
   RAMP IN DIRECTION OF TRAVEL – 8.33% MAX
   PLAZA 2% MAX – IN ANY DIRECTION

PAVING LEGEND

1. TYPE 1 PAVING
   PLACE 3" AC OVER 4" AB ON COMPACTED SUBGRADE.
2. TYPE 2 PAVING
   PLACE 5" PCC W/#3 BARS @ 18" O.C.E.W. OVER 4" AB ON COMPACTED SUBGRADE.
3. TYPE 3 PAVING
   PLACE 6" PCC W/#4 BARS @ 12" O.C.E.W. OVER 6" AB ON COMPACTED SUBGRADE.
4. TYPE 4 PAVING
   CLEAN EXISTING PAVEMENT, CRACK FILL, AND PLACE 2 APPLICATIONS OF SEAL COAT ON EXISTING ASPHALT PAVING.

GRAPHIC SCALE

20' 0 10' 20' 40'

(IN FEET) 1 inch = 20 feet

NORTH

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VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

NO.	REVISIONS DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER
ANTHONY J. TASSANO
NO. C74696
STATE OF CALIFORNIA
02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 (916) 985-1670

TITLE: PAVING PLAN

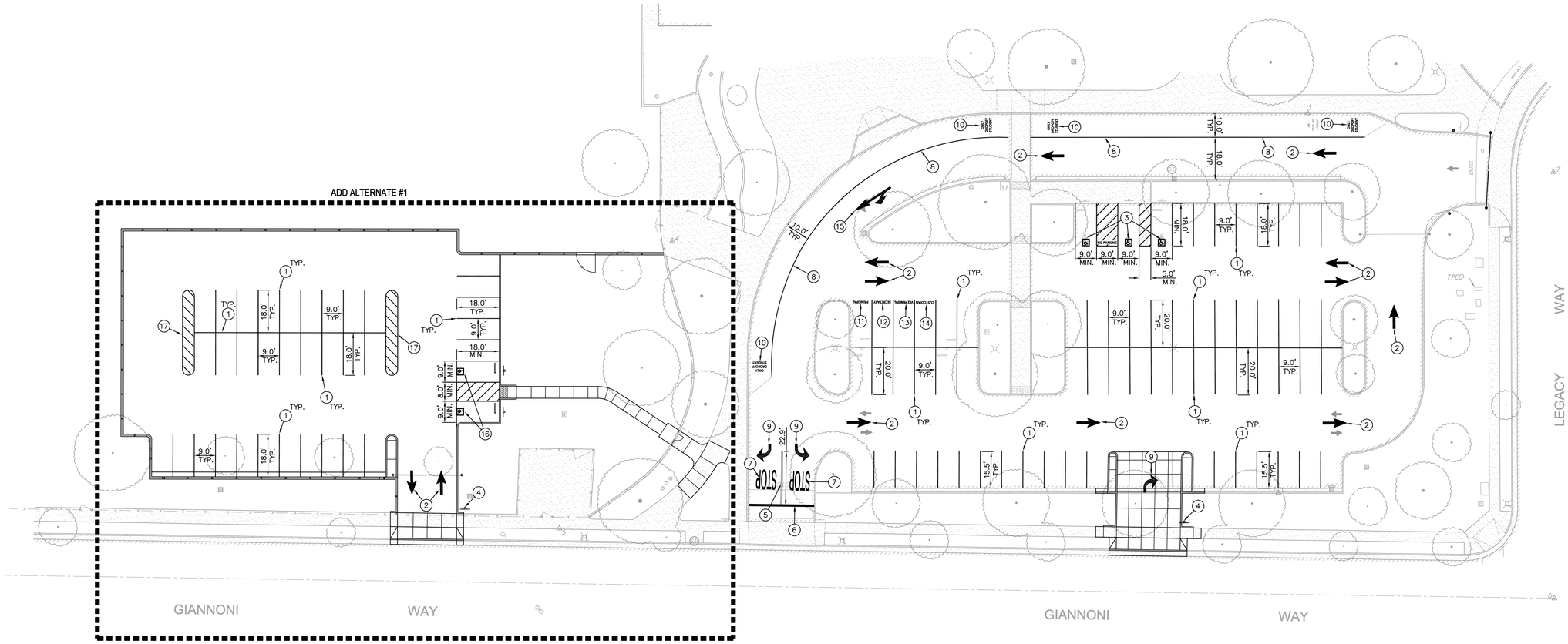
PROJECT: "OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY

LODI UNIFIED SCHOOL DISTRICT, LODI SAN JOAQUIN COUNTY, CALIFORNIA

SHEET NO.
C3.1

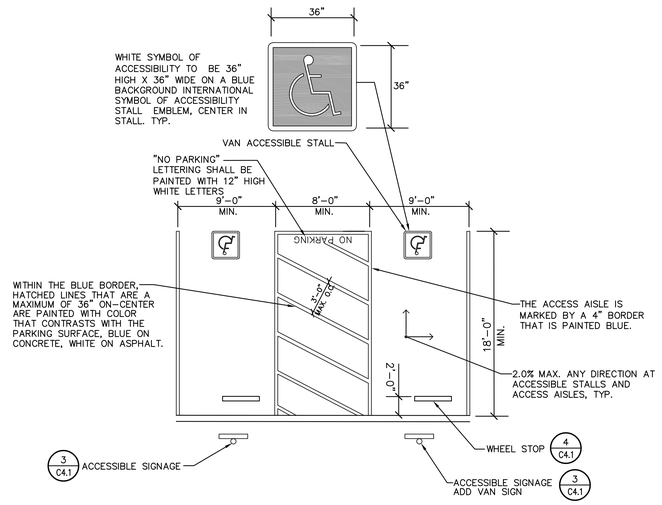
02-118901

FILENAME: I:\20-138\CIVIL\DWG\20-138-C31.DWG



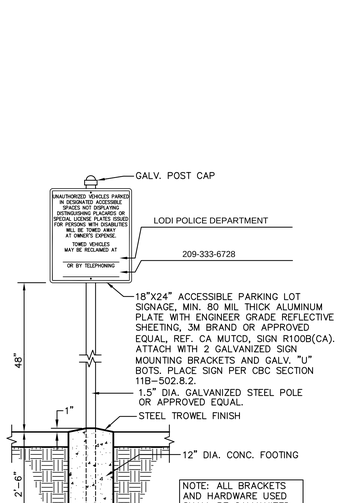
STRIPING AND SIGNAGE NOTES

1. PROVIDE CALTRANS DETAIL 27B, TYPICAL OF STALLS.
2. PROVIDE CALTRANS, FHWA TYPE 1 ARROW.
3. PROVIDE ACCESSIBLE STRIPING #1 PER MEET ALL REQUIREMENTS AS STATED ON SHEET C1.0 (1 C4.1) (3 C4.1) (4 C4.1)
4. PROVIDE "UNAUTHORIZED VEHICLE" TOWING SIGN PER (2 C4.1)
5. PROVIDE CALTRANS DETAIL 22.
6. PROVIDE 24" WIDE WHITE STRIPE 7.0' BEHIND CROSSWALKS STRIPING.
7. PROVIDE "STOP" STRIPING, 8' HIGH, WHITE.
8. PROVIDE CALTRANS DETAIL 27B, 4" WIDE.
9. PROVIDE CALTRANS, FHWA TYPE 4 ARROW.
10. PLACE "STUDENT DROPOFF ONLY" LETTERING. 12" HIGH, WHITE.
11. PLACE "PRINCIPAL" LETTERING. 12" HIGH, WHITE.
12. PLACE "SECRETARY" LETTERING. 12" HIGH, WHITE.
13. PLACE "VICE PRINCIPAL" LETTERING. 12" HIGH, WHITE.
14. PLACE "CUSTODIAN" LETTERING. 12" HIGH, WHITE.
15. PROVIDE CALTRANS, FHWA TYPE 2 ARROW.
16. PROVIDE ACCESSIBLE STRIPING/SIGNAGE #2 PER MEET ALL REQUIREMENTS AS STATED ON SHEET C1.0 (1 C4.1) (3 C4.1) (4 C4.1)
17. PAINT 4" WIDE WHITE EDGE LINES AND 4" WIDE WHITE CROSS HATCHING LINES AT 36" O.C.

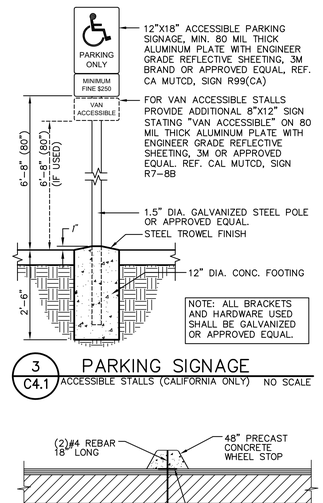


NOTES:
1. DIMENSIONS ARE TAKEN TO CENTERLINE OF STRIPING.

1 C4.1 TYPICAL ACCESSIBLE PARKING #2 — NO SCALE



2 C4.1 PARKING AREA SIGN (CALIFORNIA ONLY)



3 C4.1 PARKING SIGNAGE — ACCESSIBLE STALLS (CALIFORNIA ONLY) — NO SCALE

4 C4.1 CONCRETE WHEEL STOP — NO SCALE

GRAPHIC SCALE
20' 0 10' 20' 40'
(IN FEET) 1 inch = 20 feet
NORTH
THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC
HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

AGENCY APPROVAL	DATE	BY

NO.	DESCRIPTION	DATE
	REVISIONS	

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. 18722 CIVIL STATE OF CALIFORNIA 02/19/2021

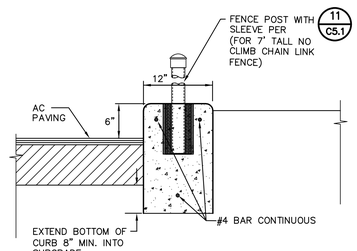
WARREN CONSULTING ENGINEERS, INC.
1117 KNIGHTFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 (916) 985-1870

TITLE: STRIPING AND SIGNAGE PLAN
"OUT TO BID" JANUARY 12, 2022
PROJECT: ELLERTH E LARSON ELEMENTARY SCHOOL PAVING PROJECT AT 2375 GIANNONI WAY
LODI — SAN JOAQUIN COUNTY, CALIFORNIA
LODI UNIFIED SCHOOL DISTRICT

SHEET NO.
C4.1

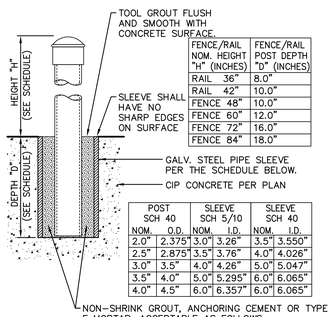
02-118901

FILENAME:I:\20-138\CIVIL\DWG\20-138-C41.DWG



NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR,GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

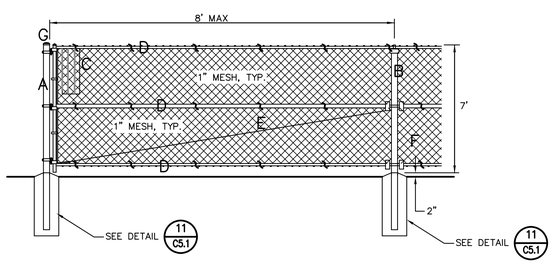
10 C5.1 — 12" CONCRETE CURB — NO SCALE



FENCE/RAIL NOM. HEIGHT "H" (INCHES)	FENCE/RAIL POST DEPTH "D" (INCHES)
RAIL 36"	8.0"
RAIL 42"	10.0"
FENCE 48"	10.0"
FENCE 60"	12.0"
FENCE 72"	16.0"
FENCE 84"	18.0"

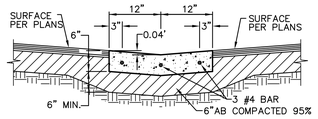
POST SCH 40 NOM.	POST SCH 40 O.D.	SLEEVE SCH 5/10 NOM.	SLEEVE SCH 5/10 I.D.	SLEEVE SCH 40 NOM.	SLEEVE SCH 40 I.D.
2.0"	2.375"	3.0"	3.26"	3.5"	3.550"
2.5"	2.875"	3.5"	3.76"	4.0"	4.026"
3.0"	3.5"	4.0"	4.26"	5.0"	5.047"
3.5"	4.0"	5.0"	5.295"	6.0"	6.065"
4.0"	4.5"	6.0"	6.357"	6.0"	6.065"

11 C5.1 — POST SLEEVE DETAIL — NO SCALE



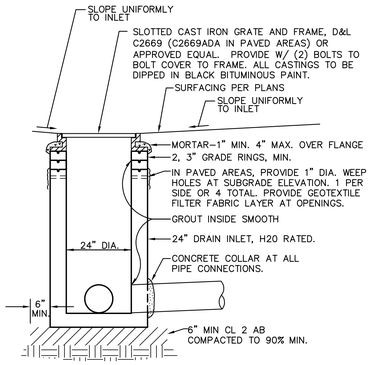
A – 4" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK
B – 2 10" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK
C – 9 GA. GALV. TYPE C CHAIN LINK BLACK VINYL FABRIC.
D – 1 5/8" OD SCH. 40 GALV. STEEL RAIL, POWDER COATED BLACK
E – 3/8" OD ADJUSTABLE INDUSTRIAL TRUSS ROD, POWDER COATED BLACK
F – 12 GA. ALUMINUM BLACK VINYL TIES AT 15" OC HORIZ. AND VERT.
G – ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE, BLACK

12 C5.1 — 7FT CHAIN LINK FENCE — NO SCALE

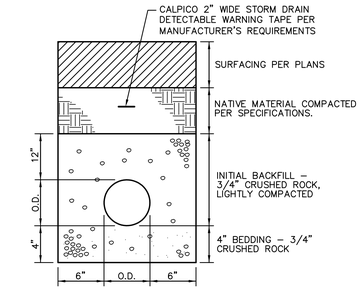


NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. SEAL E.J. WITH APPROVED JOINT SEALANT. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

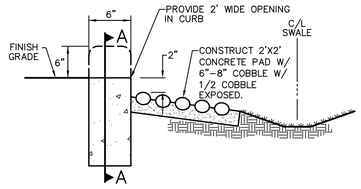
13 C5.1 — CONCRETE VALLEY GUTTER — NO SCALE



6 C5.1 — DROP INLET — NO SCALE

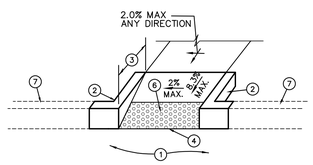


7 C5.1 — STORM DRAIN TRENCH — NO SCALE



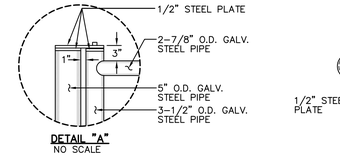
SECTION A-A

8 C5.1 — SLOTTED CURB DETAIL — NO SCALE

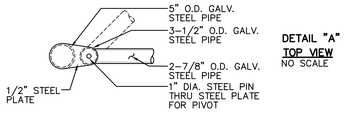


LEGEND
1. PAVEMENT.
2. TOP FACE OF CURB, STANDARD 6" HIGH.
3. 8.3% (1:12) MAXIMUM SLOPE, 2.0% MAX CROSS SLOPE.
4. TRANSITION SHALL BE FLUSH AND FREE OF ABRUPT CHANGE PER CALIFORNIA BUILDING CODE, TITLE 24, SECTION 11B-406.5.8.
5. 6" WIDE RETAINING CURB, HEIGHT TO BE DETERMINED BY PROJECTED BACK OF WALK GRADE AT EACH END OF CURB RETURN AND BACK OF LANDING SURFACE.
6. PLACE 36" DEEP PREFABRICATED CAST IN PLACE DETECTABLE WARNING TILE BY ARMOR-TILE OR APPROVED EQUAL.
7. EXISTING CURB.

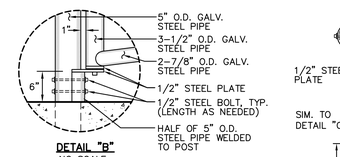
9 C5.1 — ACCESSIBLE RAMP — NO SCALE



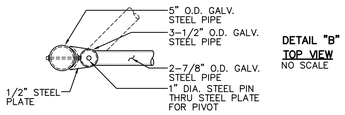
DETAIL "A" NO SCALE



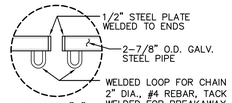
DETAIL "A" TOP VIEW NO SCALE



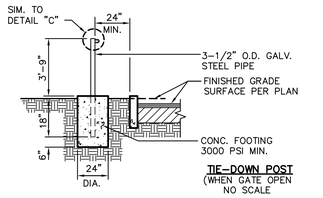
DETAIL "B" NO SCALE



DETAIL "B" TOP VIEW NO SCALE

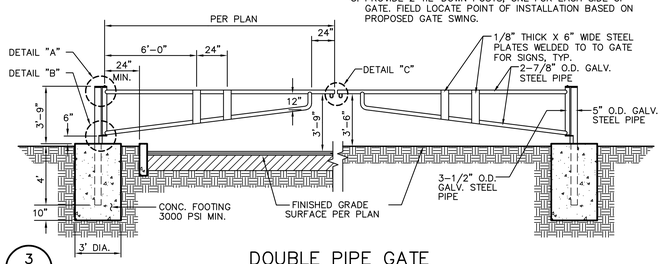


DETAIL "C" NO SCALE

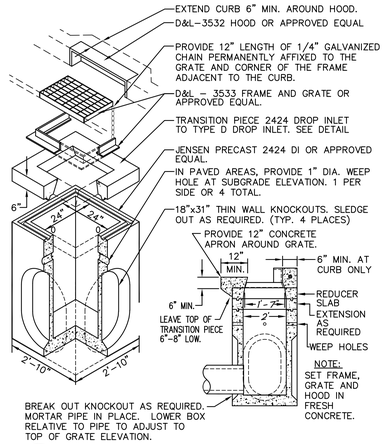


TIE-DOWN POST (WHEN GATE OPEN NO SCALE

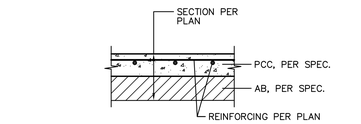
NOTES:
1. ALL PIPES TO BE BLACK STEEL PIPES, SIZES AS SHOWN, WELDED.
2. ALL STEEL TO BE PAINTED WITH 2 COATS COMMERCIAL GRADE PRIMER, 1 TOPCOAT INSIGNIA YELLOW, OR WHITE.
3. PROVIDE 2 TIE-DOWN POSTS, ONE FOR EACH SIDE OF GATE. FIELD LOCATE POINT OF INSTALLATION BASED ON PROPOSED GATE SWING.



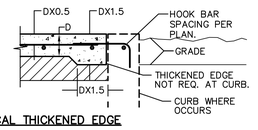
3 C5.1 — DOUBLE PIPE GATE — NO SCALE



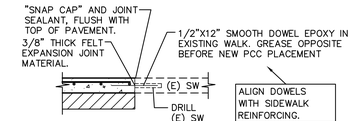
5 C5.1 — CURB INLET — NO SCALE
BOX DESIGN LOAD: H-20 TRAFFIC



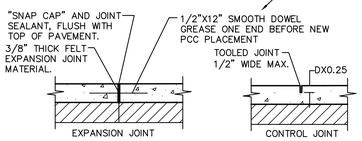
TYPICAL SECTION



TYPICAL THICKENED EDGE



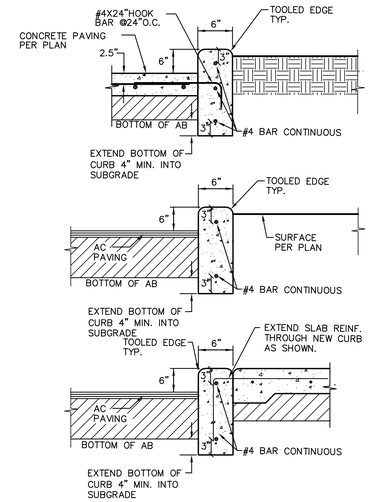
CONNECTION TO (E) CONCRETE



TYPICAL JOINTS

NOTES:
1. PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MIN.
2. PROVIDE CONTROL JOINTS AT 10 FEET O.C. MIN.
3. EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 C5.1 — CONCRETE SIDEWALK — NO SCALE



NOTES:
1. PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
2. AT E.J. USE 1/2"X24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 C5.1 — CONCRETE CURB — NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260 | BENCHMARK NO. 1074 | ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

HORIZONTAL SCALE: AS NOTED | VERTICAL SCALE: AS NOTED | JOB NO.: 20-138

NO.	DESCRIPTION	DATE	BY

AGENCY APPROVAL — DATE

DESIGNED: AT | DRAWN: AT | CHECKED: AT | DATE: 02-16-21

ANTHONY J. TASSANO — No. 18 — REGISTERED PROFESSIONAL ENGINEER — STATE OF CALIFORNIA — 02/19/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: DETAILS AND SECTIONS

"OUT TO BID" JANUARY 12, 2022

PROJECT: ELLERTH E LARSON ELEMENTARY SCHOOL PAVING PROJECT AT 2375 GIANNONI WAY

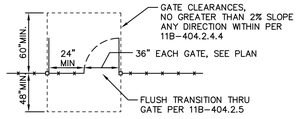
SAN JOAQUIN COUNTY, CALIFORNIA

LODI UNIFIED SCHOOL DISTRICT. | LODI

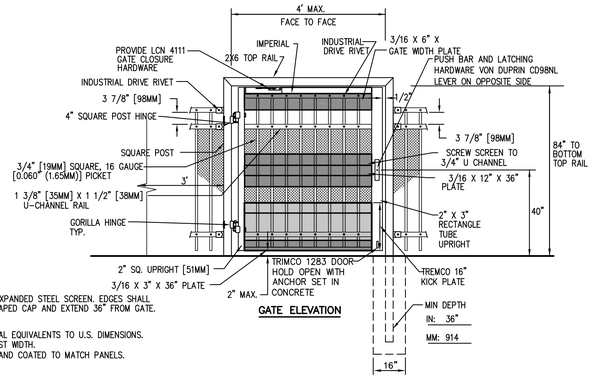
SHEET NO. C5.1

02-118901

FILENAME: I:\20-138\CIVIL\DWG\20-138-C51-C52.DWG



TYPICAL GATE CLEARANCE



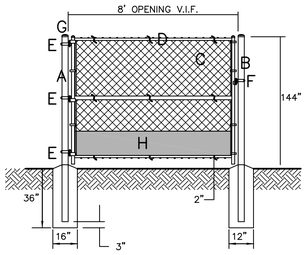
NOTES:
PROVIDE 1/2" X #9 FLATTENED, EXPANDED STEEL SCREEN. EDGES SHALL BE ENCLOSED IN 20 GA. 3/4" SHAPED CAP AND EXTEND 36" FROM GATE.

NOTES:
1. METRIC DIMENSIONS ARE NOMINAL EQUIVALENTS TO U.S. DIMENSIONS.
2. FOOTING WIDTH TO BE (4)X POST WIDTH.
3. ALL GATES SHALL BE WELDED AND COATED TO MATCH PANELS.

GATE ELEVATION

4 / C5.2 SECTION; SINGLE GATE DOOR LATCHING; HARDWARE

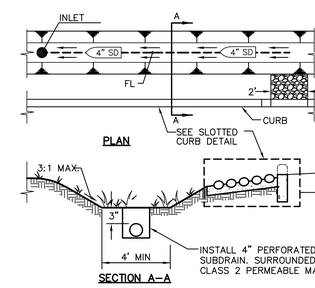
NO SCALE



A – 4" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
B – 2 7/8" OD SCH. 40 GALV. STEEL POST, POWDER COATED BLACK.
C – FABRIC TO MATCH FENCE.
D – 1 5/8" OD SCH. 40 WELDED GALV. STEEL FRAME, POWDER COATED BLACK.
E – 180 DEGREE PRESSED STEEL INDUSTRIAL HINGE.
F – MALLEABLE IRON (LOCKABLE) GATE FORK LATCH, SEE 12/C5.1.
G – ALL CAPS AND FITTINGS HEAVY INDUSTRIAL GALV. GRADE, POWDER COATED BLACK.
H – 16" KICK PLATE

1 / C5.2 8' SWING CHAIN LINK GATE

NO SCALE



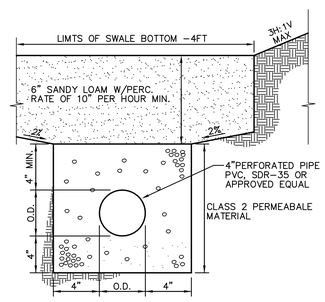
PLAN

SECTION A–A

NOTES:
1. MAXIMUM ALLOWABLE SIDE–SLOPE 3:1.
2. GRASS TO BE PLANTED FULL WIDTH OF SWALE AND AT A MINIMUM, TO THE WIDTH OF THE TOP OF SLOPE.

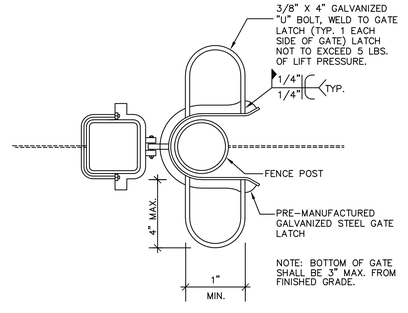
5 / C5.2 GRASS LINED SWALE W/SUBDRAIN

NO SCALE



6 / C5.2 GRASSY SWALE SUBDRAIN

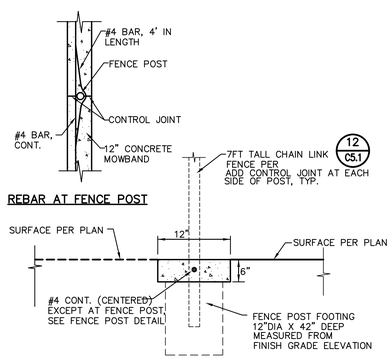
NO SCALE



MOUNT LATCH PADDLE BETWEEN 30" – 44" A.F.F.

2 / C5.2 ACCESSIBLE GATE LATCH

NO SCALE



REBAR AT FENCE POST

3 / C5.2 12" WIDE CONCRETE BAND

NO SCALE

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
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SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

AGENCY APPROVAL

NO.	REVISIONS DESCRIPTION	DATE	BY

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

PROFESSIONAL ENGINEER ★ REGISTERED ANTHONY J. TASSANO No. C 57295 CIVIL CALIFORNIA 02/19/2021

WARREN CONSULTING ENGINEERS, INC.
1117 KNOEFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1970

TITLE: DETAILS AND SECTIONS

PROJECT:
"OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY
LODI
SAN JOAQUIN COUNTY, CALIFORNIA

LODI UNIFIED SCHOOL DISTRICT

SHEET NO.
C5.2

02–118901

FILENAME:I:\20-138\CIVIL\DWG\20-138-C51-C52.DWG

ABBREVIATIONS

NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.

AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AD	AREA DRAIN
APN	ASSESSOR'S PARCEL NUMBER
ARV	AIR RELEASE VALVE
ASB	AGGREGATE SUB-BASE
BO	BLOW-OFF VALVE
BV	BUTTERFLY VALVE
BW	BACK OF WALK
C/L	CENTERLINE
CB	CATCH BASIN
CL	CLASS
CMP	CORRUGATED METAL PIPE
CATV	CABLE TELEVISION
CO	CLEANOUT
COMM	COMMUNICATION
CONC.	CONCRETE
CONST.	CONSTRUCT
CR	CURB RETURN
CS	CONCRETE SURFACE
DC	DOUBLE CHECK VALVE
DDC	DOUBLE DETECTOR CHECK VALVE
DG	DECOMPOSED GRANITE
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
DS	DOWNSPOUT
E	ELECTRIC
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EX	EXISTING
FS	FIRE SERVICE LINE
FDC	FIRE DEPARTMENT CONNECTION
FL	FLOWLINE
FM	SANITARY SEWER FORCE MAIN
FF	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
G	GAS
GB	GRADE BREAK
GR	GRATE ELEVATION
GRD	GRADE ELEVATION
GV	GATE VALVE
HB	HOSE BIBB
HBD	HEADER BOARD
HDPE	HIGH DENSITY POLYETHYLENE PIPE
HP	HIGH POINT
INV	PIPE INVERT ELEVATION
JP	JOINT UTILITY POLE
LF	LINEAL FEET
LIP	LIP OF GUTTER
LT	LEFT
MS	MOWSTRIP
NTS	NOT TO SCALE
OH	OVERHEAD
PAD	BUILDING PAD
PCC	PORTLAND CEMENT CONCRETE
PD	PLANTER DRAIN
PIV	POST INDICATOR VALVE
P/L	PROPERTY LINE
PP	POWER POLE
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE
RCP	REINFORCED CONCRETE PIPE
R	RADIUS
RIM	MANHOLE RIM ELEVATION (SOLID COVER)
RP	REDUCED PRESSURE BACKFLOW PREVENTER
RW	RIGHT OF WAY
SCH	SCHEDULE
SD	STORM DRAIN
SDMH	STORM DRAIN MANHOLE
SG	SUBGRADE ELEVATION
SP	FIRE SPRINKLER SERVICE
SS	SANITARY SEWER
SSMH	SANITARY SEWER MANHOLE
STD	STANDARD
S/W	SIDEWALK
T	TELEPHONE
TC	TOP OF CURB
TD	TRENCH DRAIN
TDCB	TRENCH DRAIN CATCH BASIN
TP	TELEPHONE POLE
TRW	TOP OF RETAINING WALL
TSW	TOP OF SEAT WALL
TW	TOP OF WALK ELEVATION
U	UTILITY
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
VCP	VITRIFIED CLAY PIPE
W	WATER
W/	WITH
W/O	WITHOUT
WV	WATER VALVE

LEGEND

NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.

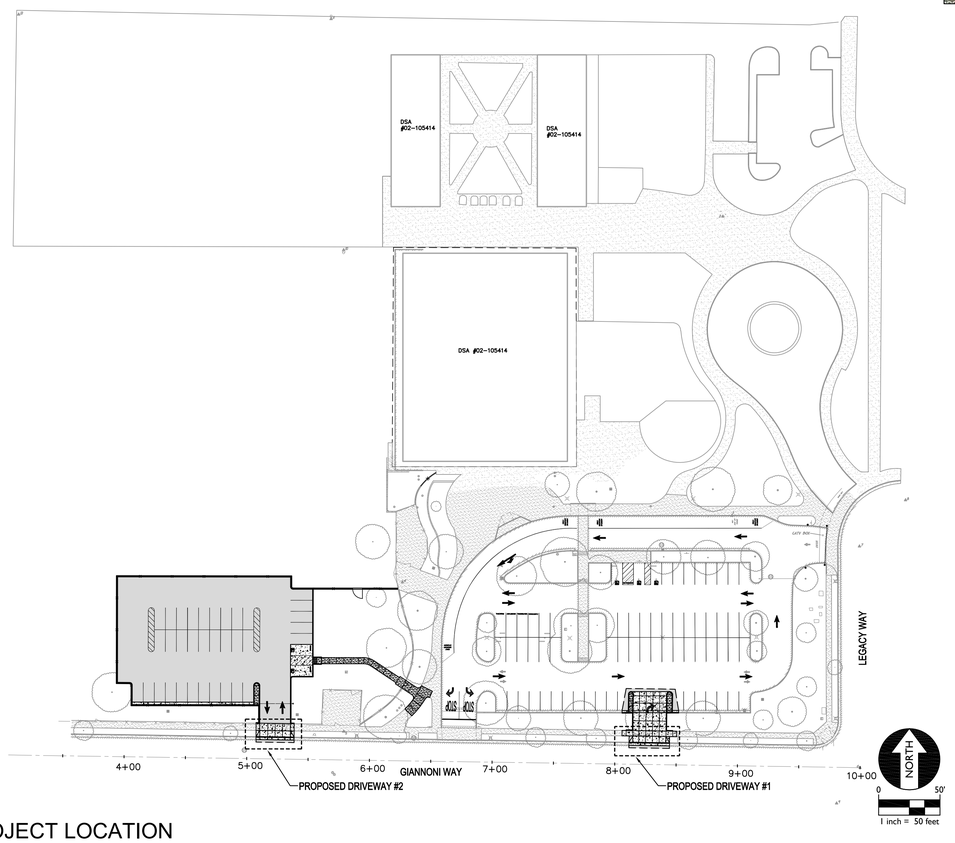
PROPOSED GRADING & DRAINAGE SYMBOLS:

- 8" SD — STORM DRAIN LINE (SIZE AND FLOW SHOWN)
- STORM DRAIN MANHOLE (SDMH)
- CATCH BASIN (CB)
- DROP INLET (DI)
- AREA DRAIN (AD)
- PLANTER DRAIN (PD) OR FLOOR DRAIN (FD)
- CO — STORM DRAIN CLEANOUT
- 99.99 — ELEVATION
- FF=100.00 — FINISHED FLOOR ELEVATION
- PAD=99.33 — BUILDING PAD ELEVATION
- CONCRETE SIDEWALK
- GRADED DIRECTION FOR DRAINAGE FLOW
- SWALE
- SLOPE
- TREE TO BE REMOVED
- RETAINING WALL

CIVIL IMPROVEMENT PLANS FOR:

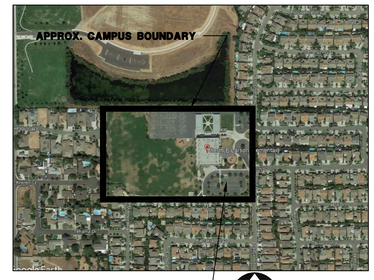
ELLERTH E. LARSON ELEMENTARY SCHOOL

2375 GIANNONI WAY
LODI, CA 95242



PROJECT LOCATION

SCALE: 1"=50'



VICINITY MAP — NOT TO SCALE

SHEET LEGEND

SHEET	DESCRIPTION
021D001 – 01	OFF-SITE COVER SHEET
021D001 – 02	OFF-SITE GENERAL NOTES
021D001 – 03	GIANNONI WAY DEMOLITION PLAN
021D001 – 04	GIANNONI WAY IMPROVEMENT PLAN

A.P.N.	058-230-260
BENCHMARK NO.	1074 ELEV. 33.003
	7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

FILENAME: I:\20-138\CIVIL\DWG\20-138-C61.DWG

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260
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7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

AGENCY APPROVAL — DATE / BY

REVISIONS — NO. / DESCRIPTION / DATE / BY

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER — ANTHONY J. TASSANO — NO. C74696 — CIVIL — STATE OF CALIFORNIA — 2/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

CITY OF LODI
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CITY OF LODI — CALIFORNIA

ELLERTH E LARSON ELEMENTARY SCHOOL
IMPROVEMENT PLANS
2375 GIANNONI WAY
LODI, CA 95242

PRINT DATE:
PLAN SET:
SHEET NO.: 021D001 - 01
DRAWING NO.: 020D001

TITLE: OFF-SITE COVER SHEET
PROJECT: "OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY
LODI — SAN JOAQUIN COUNTY, CALIFORNIA
LODI UNIFIED SCHOOL DISTRICT,

SHEET NO.
C6.1

02-118901

GENERAL NOTES:

1. WORK SHALL CONFORM TO CITY OF LODI PUBLIC IMPROVEMENT DESIGN STANDARDS, CONSTRUCTION SPECIFICATIONS AND STANDARD PLANS UNLESS SPECIFICALLY SHOWN OTHERWISE ON THESE PLANS.
2. STANDARD PLANS APPLICABLE TO THIS PROJECT INCLUDE 111, 112, 119, 141, 203, 401, 402, 405, 406, 411, AND 413.
3. CONSTRUCTION STAKING FOR CURB AND GUTTER, WASTE WATER LINES, STORM DRAINS, WATER LINES, STREET CENTERLINES, PAVING EDGES AND OTHER PUBLIC FACILITIES AS DIRECTED BY THE CITY SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
4. CENTERLINE AND PROPERTY LINE DATA SHALL BE PROVIDED BY WARREN CONSULTING ENGINEERS FOR THIS PROJECT.
5. EXISTING UTILITIES SHALL BE PROTECTED . UTILITY AGENCIES SHALL BE NOTIFIED AND ALLOWED TO MARK THEIR UTILITIES IN THE FIELD AT LEAST 48 HOURS BEFORE EXCAVATION. COMPLETENESS AND ACCURACY OF EXISTING UTILITY LOCATIONS SHOWN IN THESE PLANS ARE NOT GUARANTEED. CALL "USA" (800) 227–2600.
6. STREET GRADING SHALL BE DONE BEFORE UNDERGROUND WORK.
7. UNDERGROUND UTILITIES IN THE STREET AND SIDEWALK AREA SHALL BE INSTALLED BEFORE CONSTRUCTION OF CURB, GUTTER OR SIDEWALK. THESE UTILITIES INCLUDE SERVICES, FIRE HYDRANT, LATERALS, STREET LIGHT CONDUIT, ELECTRIC, GAS, CABLE TV AND TELEPHONE LINES.
8. EXCAVATION SAFETY REQUIREMENTS INCLUDE SUBMITTING A CAL OSHA PERMIT OR LETTER OF NOTIFICATION TO THE CITY BEFORE COMMENCING EXCAVATIONS OVER FIVE FEET DEEP. REFER TO CITY CONSTRUCTION SPECIFICATION 6–19.04 "EXCAVATION SAFETY" FOR ADDITIONAL REQUIREMENTS.
9. ALL TESTING FOR LEAKAGE SHALL BE WITNESSED BY A CITY INSPECTOR.
10. BALLING AND CLEANING OF STORM DRAIN AND SANITARY SEWER SHALL BE DONE BEFORE INTERIOR VIDEO INSPECTION. UTILITIES SHALL BE KEPT CLEAN UNTIL CITY ACCEPTANCE.

SURVEY MONUMENT PRESERVATION

1. PRIOR TO ISSUANCE OF PERMIT THE INDIVIDUAL RESPONSIBLE FOR LAND SURVEYING ACTIVITIES WITHIN THE BOUNDS OF THE PERMITTED CONSTRUCTION SHALL FILL OUT AND SIGN THE "ACKNOWLEDGEMENT OF MONUMENT RESPONSIBILITY.
2. PRIOR TO FINAL ACCEPTANCE OF THE CONSTRUCTION ACTIVITY, THE CITY OF LODI WILL REQUIRE THE INDIVIDUAL RESPONSIBLE FOR LAND SURVEYING ACTIVITIES WITHIN THE BOUNDS OF THE PERMITTED CONSTRUCTION TO FILL OUT AND SIGN THE "ACKNOWLEDGEMENT OF MONUMENT PRESERVATION" STATING THAT ALL MONUMENTS WITHIN THE BOUNDS OF THE PERMITTED CONSTRUCTION HAVE BEEN PRESERVED OR RESET TO THEIR ORIGINAL LOCATION.

ADDITIONAL CONSTRUCTION NOTES:

11. A PRE–CONSTRUCTION MEETING SHALL BE SCHEDULED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER, CITY INSPECTOR AND ALL UTILITY AGENCIES AT LEAST <u>ONE WEEK</u> PRIOR TO THE DATE OF THE MEETING. THE CONTRACTOR'S JOB SUPERINTENDENT, AND ALL MAJOR SUBCONTRACTORS SHALL ATTEND.
12. BEDDING FOR ALL PIPE LINES SHALL CONFORM TO CITY OF LODI STANDARD PLAN 501, 501–A, 501–B AND 501–C UNLESS OTHERWISE SHOWN. REFER TO TRENCH DETAILS – THIS SHEET.
13. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY FOR ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
14. WATER USED IN ANY PHASE OF CONSTRUCTION, SUCH AS BACKFILL COMPACTION, DUST CONTROL, TESTING OR OTHER WORK HEREIN REQUIRED, SHALL BE INCLUDED IN THE UNIT PRICE OR LUMP SUM BID FOR THE RESPECTIVE ITEM OF CONSTRUCTION OR ITEMS OF WORK.
15. ENGINEER SHALL SET ALL SURVEY CONTROLS AND CONSTRUCTION STAKES AS NECESSARY FOR COMPLETION OF WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY AND CONSTRUCTION STAKES. SURVEY AND CONSTRUCTION STAKES THAT ARE LOST OR DESTROYED DUE TO CONTRACTOR'S NEGLIGENCE WILL BE SET BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
16. CONTRACTOR SHALL GIVE ENGINEER A MINIMUM OF 48 HOURS NOTICE WHEN REQUESTING CONSTRUCTION STAKING.
17. TRAFFIC FLOW AND ACCESS ENTRYWAY SHALL BE MAINTAINED.
18. PUBLIC ROADWAYS SHALL REMAIN OPEN AT ALL TIMES. TRAFFIC CONTROL PER CALTRANS TRAFFIC CONTROL MANUAL 1995. NO OPEN TRENCHES EXCEPT AT THE TIME OF WORK. USE STEEL PLATES OR BACKFILL WITH A.C. CAP. ONE–WAY TRAFFIC REQUIRES FLAGGER PRESENT AT ALL TIMES. TRAFFIC CONTROL PLANS TO BE SUBMITTED TO THE CITY OF LODI PUBLIC WORKS DEPARTMENT.
19. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO KEEP DUST TO A MINIMUM COST TO BE INCLUDED IN OTHER ITEMS OF WORK. SEE SHEET 004D015–11 FOR EROSION AND DUST CONTROL NOTES.
20. A PROJECT IDENTIFICATION SIGN SHALL BE INSTALLED AS SHOWN ON THE PLANS, PRIOR TO GRADING.
THE SIGN SHALL HAVE:
DEVELOPER:
ENGINEER:
CONTRACTOR:
LETTERING: BLUE OR BLACK ON WHITE (OR EQUIVALENT CONTRAST) 2" HIGH. INSTALL PRIOR TO ROUGH GRADING.
21. THE CONTRACTOR IS TO VERIFY THE DEPTH AND/OR LOCATION IN THE FIELD OF ALL EXISTING UTILITIES BEFORE THE START OF CONSTRUCTION.
22. THE DEVELOPER IS RESPONSIBLE FOR REPLACEMENT OF MISSING AND DAMAGED FILTER SCREENS UNTIL PROJECT IS ACCEPTED. A ROUTINE MAINTENANCE SCHEDULE IS TO BE MAINTAINED. FILTER SCREENS SHALL BE SECURED TO THE CATCH BASINS DURING THIS PERIOD.
23. ABANDONED IRRIGATION PIPES SHALL BE REMOVED.
24. WASTE WATER GENERATED BY CONCRETE WORK TO BE CAPTURED AND VACUUMED PRIOR TO ENTERING CITY STORM DRAIN SYSTEM.
25. THE CONTRACTOR SHALL PERFORM AT HIS EXPENSE ALL TESTS SPECIFIED OR REQUIRED BY THE CITY OF LODI QUALITY ASSURANCE PROGRAM TO ASSURE THAT CONSTRUCTION PROJECTS ARE IN CONFORMANCE WITH THE CITY OF LODI CONSTRUCTION SPECIFICATIONS. THE CONTRACTOR SHALL FURNISH ALL FACILITIES, LABOR AND MATERIALS REASONABLY REQUIRED FOR PERFORMING SAFE AND CONVENIENT TESTS AS ARE REQUIRED BY THE QUALITY ASSURANCE PROGRAM AND CONSTRUCTION SPECIFICATIONS. RESULTS OF THE TESTING PROCEDURES WILL BE PRESENTED TO THE CITY OF LODI PUBLIC WORKS INSPECTOR IN A TIMELY FASHION SO AS NOT TO DELAY THE CONTINUATION OF WORK. ANY SUCH DELAY SHALL SOLELY BE THE RESPONSIBILITY OF THE CONTRACTOR. AT COMPLETION OF CONSTRUCTION, A FINAL REPORT CONTAINING ALL TEST RESULTS PRESENTED IN AN ORDERLY MANNER SHALL BE PROVIDED PRIOR TO FINAL ACCEPTANCE OF THE PROJECT. A COPY OF THE QUALITY ASSURANCE PROGRAM IS ON FILE IN THE CITY OF LODI PUBLIC WORKS DEPARTMENT.
26. STREETS ADJACENT TO THE PROJECT SITE SHOULD BE SWEPT AS NEEDED TO REMOVE SILT WHICH MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES. <u>DAILY IF NEEDED</u>.
27. UTILITY PIPE HORIZONTAL AND VERTICAL CLEARANCES SHALL COMPLY WITH STATE HEALTH STANDARDS.

CLEARING AND GRADING NOTES:

28. ALL SITE VEGETATION, EXISTING TREES, STUMPS AND ETC. SHALL BE STRIPPED FROM BUILDING AND PAVEMENT AREA.
29. A SOILS INVESTIGATION HAS BEEN PREPARED BY FILE NO. DATED . ALL SOILS WORK WILL STRICTLY ADHERE TO RECOMMENDATIONS AND REQUIREMENTS WITHIN THAT REPORT.
30. CONTRACTOR TO REMOVE ANY SEDIMENTATION DEPOSITED ON EXISTING PAVED ROADWAYS PRIOR TO LEAVING THE SITE, IF POSSIBLE, AND IN ALL CASES WITHIN 24 HOURS.

DUST CONTROL REQUIREMENTS:

31. ALL MATERIAL EXCAVATED OR GRADED SHOULD BE SUFFICIENTLY WATERED TO PREVENT EXCESSIVE AMOUNT OF DUST. WATERING SHOULD OCCUR AT LEAST TWICE A DAY WITH COMPLETE COVERAGE, PREFERABLY IN THE LATE MORNING AND AFTER WORK IS DONE FOR THE DAY.
32. ALL CLEARING, GRADING, EARTH MOVING OR EXCAVATION ACTIVITIES SHALL CEASE DURING PERIODS OF HIGH WINDS GREATER THAN 20 MPH AVERAGE OVER ONE HOUR.
33. ALL AREAS WITH VEHICLE TRAFFIC SHOULD BE WATERED PERIODICALLY FOR STABILIZATION OF DUST EMISSIONS.
34. STREETS ADJACENT TO THE PROJECT SITE SHOULD BE SWEPT AS NEEDED TO REMOVE SILT WHICH MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES.
35. THE AREA DISTURBED BY CLEARING, EARTH MOVING OR EXCAVATION ACTIVITIES SHOULD BE MINIMIZED AT ALL TIMES.
36. ALL MATERIAL TRANSPORTED ON OR OFF–SITE SHALL EITHER BE SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT EXCESSIVE AMOUNT OF DUST.
37. ALL INTERNAL COMBUSTION ENGINE DRIVEN EQUIPMENT SHOULD BE PROPERLY MAINTAINED AND WELL TUNED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.
38. DUST CONTROL IS THE CONTRACTORS SOLE RESPONSIBILITY WHEN WORKING ON–SITE. THE ABOVE WORK SHALL BE INCLUDED IN THE BID. THE CONTRACTOR SHALL ALSO WATER THE SITE, AS AN EXTRA, WHEN REQUESTED BY THE CITY OR THE OWNER. STOCKPILE AREA TO BE INCLUDED UNDER BID DUST CONTROL.
39. ON–SITE VEHICLE SPEEDS SHALL BE LIMITED TO 15 MPH.
40. ALL OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE SAN JOAQUIN VALLEY UNIFIED AIR POLLUTION CONTROL DISTRICT.
41. WHEN CONDITIONS ARE DRY, ALL MATERIAL EXCAVATED OR GRADED SHOULD BE SUFFICIENTLY WATERED TO PREVENT EXCESSIVE AMOUNT OF DUST. WATERING SHOULD OCCUR AT LEAST TWICE A DAY WITH COMPLETE COVERAGE, PREFERABLY IN THE LATE MORNING AND AFTER WORK IS DONE FOR THE DAY.

WINTERIZATION NOTES:

42. EROSION CONTROL. ALL CATCH BASINS SHALL BE SEALED UNTIL THE COMPLETION OF THE PROJECT. IF SITE WORK EXTENDS INTO THE RAINY SEASON, OTHER MEASURES MAY BE TAKEN AS REQUIRED BY THE CITY AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER. ALL STORM DRAINAGE TRAPS SHALL BE CLEANED PRIOR TO ACCEPTANCE.
43. COST OF EROSION CONTROL AND OTHER ITEMS OF WINTERIZATION SHALL BE INCLUDED IN THE ITEM ENTITLED "EROSION CONTROL AND WINTERIZATION".
44. CONTRACTOR WILL BE REQUIRED TO CLEAN EXISTING STORM DRAIN DOWNSTREAM OF THIS PROJECT AS NECESSARY. DETERMINE EXISTING CONDITION WITH CITY INSPECTOR PRIOR TO CONSTRUCTION.
45. CONTRACTOR SHALL REMOVE ANY IRRIGATION LINES ENCOUNTERED.
46. NO WELLS, SEPTIC TANKS OR OTHER UNDERGROUND TANKS ARE KNOWN TO EXIST ON THIS SITE.

EROSION AND SEDIMENT CONTROL NOTES:

47. NOTICE OF INTENT (NOI) FOR STATE GENERAL NPDES CONSTRUCTION PERMIT IS REQUIRED PRIOR TO SITE WORK.
48. REFERENCE WDID #5S39C38161
49. ALL CATCH BASINS SHALL BE SEALED UNTIL THE COMPLETION OF THE PROJECT. IF SITE WORK EXTENDS INTO THE RAINY SEASON, OTHER MEASURES MAY BE TAKEN AS REQUIRED BY THE CITY AND ARCHITECT AT NO ADDITIONAL COST TO THE OWNER. ALL STORM DRAINAGE TRAPS SHALL BE CLEANED PRIOR TO ACCEPTANCE.
50. COST OF EROSION CONTROL AND OTHER ITEMS OF WINTERIZATION SHALL BE INCLUDED IN THE ITEM ENTITLED "EROSION CONTROL AND WINTERIZATION"
51. CONTRACTOR WILL BE REQUIRED TO CLEAN EXISTING STORM DRAIN DOWNSTREAM OF THIS PROJECT AS NECESSARY. DETERMINE EXISTING CONDITION WITH ENGINEER AND CITY INSPECTOR PRIOR TO CONSTRUCTION. PUMPED WATER TO BE DISCHARGED TO THE SOUTH.

REQUIRED CITY SUBMITTALS

1. TRAFFIC CONTROL PLAN.
2. SUBMIT SURVEY MONUMENT PRESERVATION PAPERWORK PRIOR TO PUBLIC IMPROVEMENT PLAN ACCEPTANCE BY CITY COUNCIL.

REGISTERED PROFESSIONAL ENGINEER — ANTHONY J. TASSANO NO. C74696 CIVIL — STATE OF CALIFORNIA — 2/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

CAUTION: 0 1/2 1 — Do not scale drawing if this bar does not measure 1 inch.

CALL BEFORE YOU DIG — USA 800 227 2600

NO.	REVISION	DATE	BY

DESIGN: ANTHONY TASSANO | DRAWN: ANTHONY TASSANO | CHECKED: | DATE: | APPROVED: | DATE: | CITY ENGINEER RCE NO. 53149

HORIZONTAL SCALE: AS SHOWN | VERTICAL SCALE: N/A | ASBUILT | INSPECTOR | BY | PROJECT NUMBER

CITY OF LODI
PUBLIC WORKS DEPARTMENT
221 WEST PINE STREET
LODI, CALIFORNIA 95240
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FAX (209) 333-6710
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WEB SITE www.lodi.gov

OFF-SITE GENERAL NOTES
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LODI, CA 95242
CITY OF LODI — CALIFORNIA

PRINT DATE:
PLAN SET:
SHEET NO.: 021D001 - 02
DRAWING NO.: 020D001

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A.P.N. 058–230–260
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7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

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DRAWN: AT
CHECKED: AT
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REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 CIVIL STATE OF CALIFORNIA 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: OFF-SITE GENERAL NOTES
"OUT TO BID" JANUARY 12, 2022
PROJECT: ELLERTH E LARSON ELEMENTARY SCHOOL PAVING PROJECT AT 2375 GIANNONI WAY
LODI UNIFIED SCHOOL DISTRICT, LODI, SAN JOAQUIN COUNTY, CALIFORNIA

SHEET NO.
C6.2

02–118901

FILENAME: I: \20–138\CIVIL\DWG\20–138–C62.DWG

FILENAME: I: \20–138\CIVIL\DWG\20–138–C62.DWG

TITLE: GIANNONI WAY DEMOLITION PLAN

PROJECT: "OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY

LODI UNIFIED SCHOOL DISTRICT, LODI SAN JOAQUIN COUNTY, CALIFORNIA

SHEET NO. C6.3

02-118901

WARREN CONSULTING ENGINEERS, INC.
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EL DORADO HILLS, CA 95762 | (916) 985-1870

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 STATE OF CALIFORNIA

02/16/2021

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GIANNONI WAY DEMOLITION PLAN
ELLERTH E LARSON ELEMENTARY SCHOOL
IMPROVEMENT PLANS
2375 GIANNONI WAY
LODI, CA 95242

CITY OF LODI CALIFORNIA

CITY OF LODI
PUBLIC WORKS DEPARTMENT
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FAX (209) 333-6710
E-MAIL pwdept@lodi.gov
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HORIZONTAL SCALE: AS SHOWN
VERTICAL SCALE: N/A
DESIGN: ANTHONY TASSANO
DRAWN: ANTHONY TASSANO
CHECKED: DATE
APPROVED: DATE
ASB/LT NUMBER
PROJECT NUMBER
CITY ENGINEER SCE NO. 19-49

NO.	REVISION	DATE	BY

CALIFORNIA 0 1/2 1
Do not scale drawing. Plans are drawn not measured in inches.

PRINT DATE
PLAN SET
SHEET NO. 021D001 - 03
DRAWING NO. 020D001

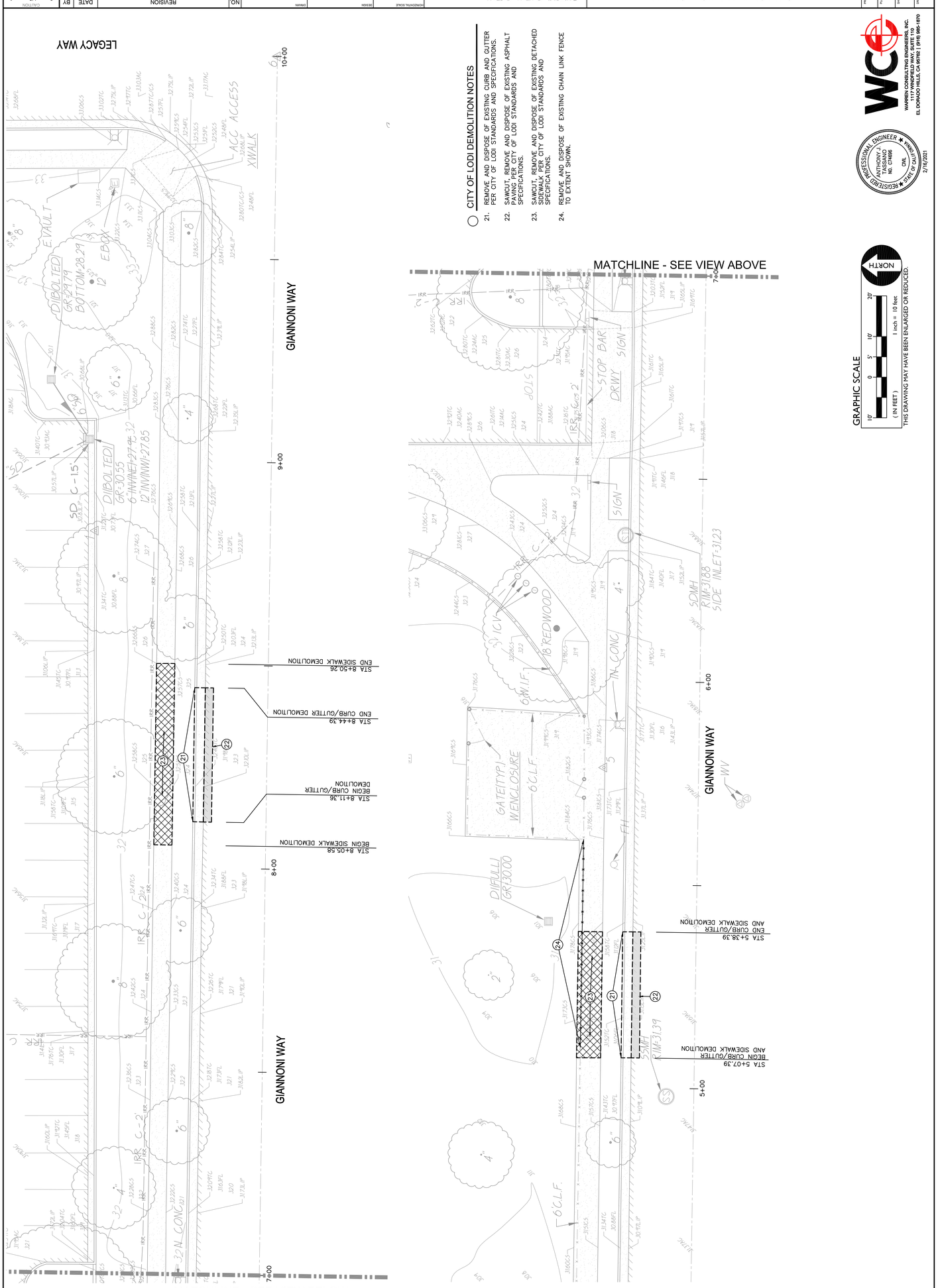
WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 CIVIL STATE OF CALIFORNIA

2/16/2021

CITY OF LODI DEMOLITION NOTES

21. REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER PER CITY OF LODI STANDARDS AND SPECIFICATIONS.
22. SAWCUT, REMOVE AND DISPOSE OF EXISTING ASPHALT PAVING PER CITY OF LODI STANDARDS AND SPECIFICATIONS.
23. SAWCUT, REMOVE AND DISPOSE OF EXISTING DETACHED SIDEWALK PER CITY OF LODI STANDARDS AND SPECIFICATIONS.
24. REMOVE AND DISPOSE OF EXISTING CHAIN LINK FENCE TO EXTENT SHOWN.



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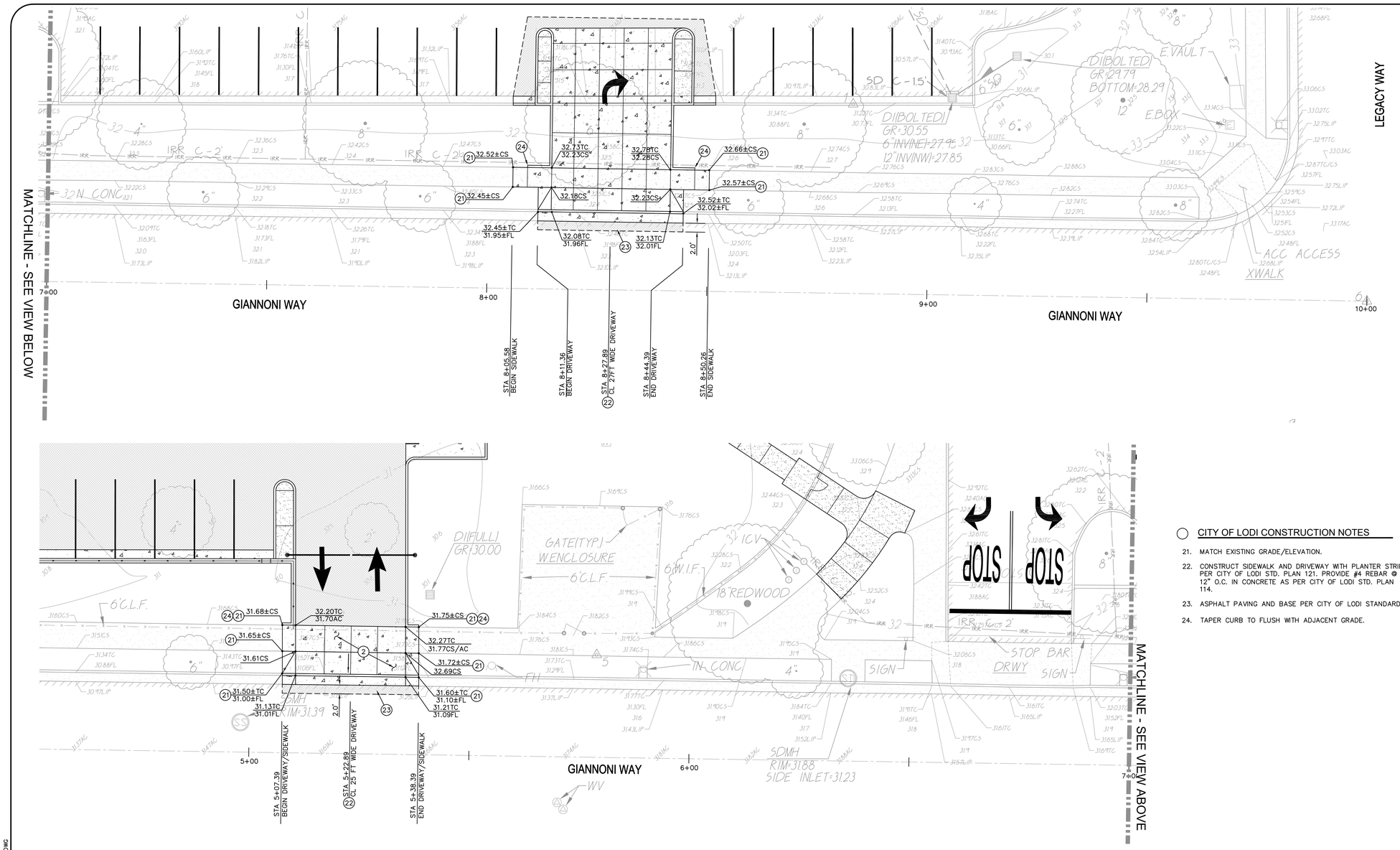


CITY OF LODI CONSTRUCTION NOTES

21. MATCH EXISTING GRADE/ELEVATION.
22. CONSTRUCT SIDEWALK AND DRIVEWAY WITH PLANTER STRIP PER CITY OF LODI STD. PLAN 121. PROVIDE #4 REBAR @ 12" O.C. IN CONCRETE AS PER CITY OF LODI STD. PLAN 114.
23. ASPHALT PAVING AND BASE PER CITY OF LODI STANDARDS.
24. TAPER CURB TO FLUSH WITH ADJACENT GRADE.

GRAPHIC SCALE

10' 0 5' 10' 20'

(IN FEET) 1 inch = 10 feet

THIS DRAWING MAY HAVE BEEN ENLARGED OR REDUCED.

NORTH

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 CIVIL STATE OF CALIFORNIA 2/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

CITY OF LODI
PUBLIC WORKS DEPARTMENT
221 WEST PINE STREET
LODI, CALIFORNIA 95240
PHONE (209) 333-6706
FAX (209) 333-6710
E-MAIL pwdept@lodi.gov
WEB SITE www.lodi.gov

GIANNONI WAY IMPROVEMENT PLAN
ELLERTH E LARSON ELEMENTARY SCHOOL
IMPROVEMENT PLANS
2375 GIANNONI WAY
LODI, CA 95242

CITY OF LODI CALIFORNIA

PRINT DATE

PLAN SET

SHEET NO. 021D001 - 04

DRAWING NO. 020D001

NO.	REVISION	DATE	BY

CAUTION 0 1/2 1 Do not scale drawing if this bar does not measure 1 inch.

NO.	REVISIONS DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

DESIGN: ANTHONY TASSANO
DRAWN: ANTHONY TASSANO
CHECKED: DATE
APPROVED: DATE
CITY ENGINEER SIZE NO. 10/4/8

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-16-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO NO. C74696 STATE OF CALIFORNIA 02/16/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: GIANNONI WAY IMPROVEMENT PLAN

PROJECT: "OUT TO BID" JANUARY 12, 2022
ELLERTH E LARSON ELEMENTARY SCHOOL
PAVING PROJECT
AT
2375 GIANNONI WAY

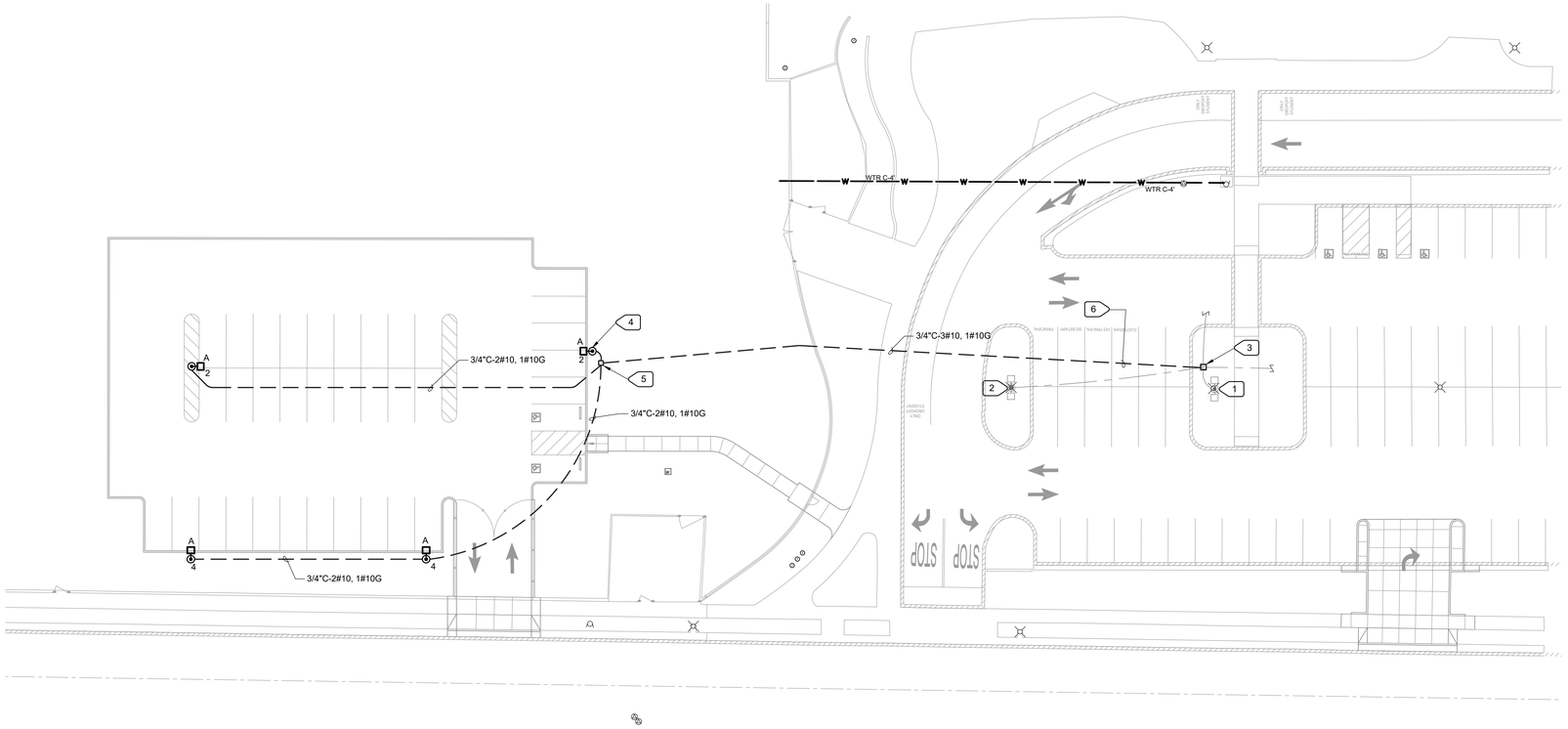
LODI UNIFIED SCHOOL DISTRICT, LODI SAN JOAQUIN COUNTY, CALIFORNIA

SHEET NO.

C6.4

02-118901

FILENAME: I:\20-138\CIVIL\DWG\20-138-C64.DWG



1 E100 — ELECTRICAL - SITE PLAN - REMODEL

SCALE : 1" = 20'-0"

NUMBERED NOTES:

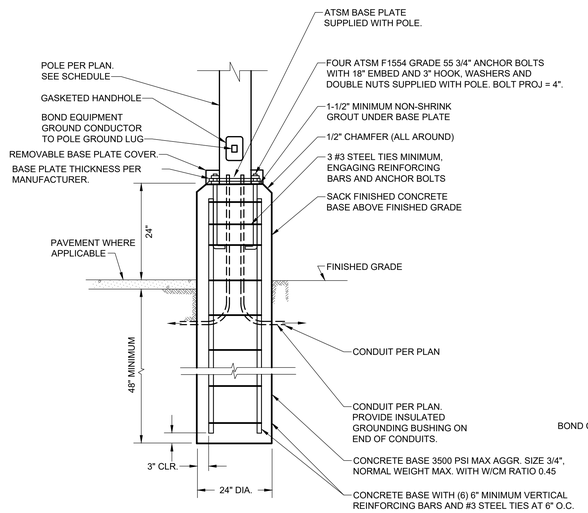
1. EXISTING POLE LIGHT CONNECTED TO PANEL H5A, CIRCUIT #6, VIA LIGHTING CONTROL. CIRCUIT #6 IS CONTROLLED VIA TIME CLOCK AND PHOTOCELL.
2. EXISTING POLE LIGHT CONNECTED TO PANEL H5A, CIRCUIT #4, VIA LIGHTING CONTROL. CIRCUIT #4 IS CONTROLLED VIA PHOTOCELL.
3. LOCATE EXISTING 3/4" CONDUIT STUB AND EXTEND AS TO NEW UNDERGROUND PULLBOX.
4. MOUNT PER DETAIL 2/E100. TYPICAL FOR (6) FIXTURES.
5. REMOVE EXISTING 2 #12 AND 1#12 GND WIRING BACK TO POLE LIGHT.
6. EXTEND EXISTING CIRCUITS #4 AND #6 FROM THIS POLE LIGHT THROUGH EXISTING 3/4" CONDUIT USING 4 #10 AND 1 #10 GND.
7. RECONNECT THIS EXISTING POLE LIGHT TO CIRCUIT #4.
8. CONTINUE CIRCUIT #4 AND #6, USING 4 #10 AND 1 #10 GND. THROUGH EXISTING STUB AND NEW CONDUITS.
9. PROVIDE N16 CHRISTY PULLBOX, INSTALL PER "3/E100".
10. DIRECTIONAL BORE UNDER EXISTING DRIVEWAY AND WALKWAY.

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER / CATALOG NO.	VOLTAGE / DESCRIPTION	LAMP / DESCRIPTION	MOUNTING	REMARK NOTE No.
A	GARDCO ECF-S-48L-900-NW-G2-AR-3-120V-BL-IMR13-BK	277 VOLT PARKING LOT LIGHT	LED, 135 WATTS	POLE MONTED	(1)

LUMINAIRE SCHEDULE REMARK NOTES:

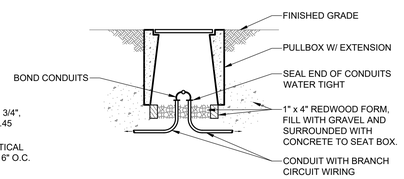
(1) PROVIDE WITH STEEL POLE, 4" SQUARE, 20' HIGH, PAINTED TO MATCH FIXTURE.



(CALCULATED DIMENSIONS AND MATERIALS BASED ON 100 MPH WIND)

2 E100 — POLE BASE MOUNTING DETAIL

NO SCALE



3 E100 — UNDERGROUND PULL BOX

NO SCALE

ELECTRICAL SYMBOL LIST

- ONE-ARM BRACKET LUMINAIRE, WITH POLE AND BASE
- CONDUIT RUN CONCEALED. FOR CONCEALED CONDUITS PROVIDE EMT CONDUITS. FOR EXPOSED CONDUITS PROVIDE RIGID STEEL CONDUIT. WIRING SHALL BE SIZE AS DESCRIBE ON THE PLAN. PROVIDE COPPER WIRE WITH THHN TYPE INSULATION.
- CONDUIT RUN UNDERGROUND. PROVIDE SCHEDULE 40 OR SCHEDULE 80 PVC TYPE CONDUITS. WIRING SHALL BE SIZE AS DESCRIBE ON THE PLAN. PROVIDE COPPER WIRE WITH XHHW-2 OR THWN-2 TYPE INSULATION.
- EXISTING PANELBOARD - FLUSH MOUNTED
- (1) DRAWING SHEET NUMBERED NOTE DESIGNATION - APPLIES TO NUMBERED NOTE ON SAME SHEET

1. EXISTING ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE SHOWN THE SAME AS NEW, EXCEPT LIGHTLY AND ACCOMPANIED BY (E). SUCH ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE TO REMAIN AS IS, UNLESS OTHERWISE NOTED ON PLAN OR SPECIFICATION.
2. VERIFY ON SITE THAT ALL PANELBOARDS HAVE MINIMUM WORKING SPACES PER CODE AND THAT THE DEDICATED PANELBOARD SPACES ARE CLEAR OF ALL DUCTS, PIPING AND EQUIPMENT FOREIGN TO THE PANEL BOARDS. NOTIFY THE ENGINEER FOR CORRECTIVE ACTION IN THE EVENT THAT FOREIGN OBJECTS IMPEDE THE DEDICATED PANELBOARD AREAS.
3. WHERE CONDUIT STUB IS INDICATED, PROVIDE CONDUIT WITH BUSHING AT THE END OF CONDUIT AND PULL ROPE INTO ACCESSIBLE CEILING AREA.

GENERAL NOTES:

THE INTENT OF THE DRAWINGS IS TO PROVIDE (N) PARKING LIGHTS, ASSOCIATED CONTROLLER AND INFRASTRUCTURE FOR, IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

THE DRAWINGS REPRESENT THE GRAPHIC PICTORIAL PORTIONS OF THE WORK. THE WORK (MEANING ALL MATERIALS, CONSTRUCTION METHODS, AND SERVICES NECESSARY TO COMPLETE THE TOTAL CONSTRUCTION PROJECT) SHALL BE INCLUDED IN THE CONTRACTOR'S BID. THE WORK, INCLUDING DIMENSIONS, QUALITY AND WORKMANSHIP, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

PERFORM ALL WORK IN ACCORDANCE WITH THE FOLLOWING CODES:
1. CALIFORNIA ELECTRICAL CODE (CEC) WITH AMENDMENTS, THE NATIONAL FIRE PROTECTION ASSOCIATION NFPA NO. 70-2013, NATIONAL ELECTRICAL CODE (NEC), AND THE CALIFORNIA CODE OF REGULATIONS, TITLE 24 STATE BUILDING STANDARDS, PART 3, BASIC ELECTRICAL REGULATIONS.
2. CALIFORNIA BUILDING CODE (CBC) WITH AMENDMENTS, THE INTERNATIONAL BUILDING CODE (IBC) AND THE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 2.
3. TITLE 19, CALIFORNIA CODE OF REGULATIONS, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS.
4. STATE OF CALIFORNIA, TITLE 24, STATE BUILDING STANDARDS, PART 6, CALIFORNIA ENERGY CODE
5. ALL APPLICABLE STATE LOCAL CODES AND REGULATIONS.

ALL MATERIAL AND EQUIPMENT SHALL BE UL LISTED, LABELED, OR CERTIFIED FOR INTENDED USE BY A NATIONAL RECOGNIZED TESTING LABORATORY (NRTL) AS RECOGNIZED BY THE U.S. DEPARTMENT OF LABOR IF SUCH LISTING IS AVAILABLE FOR THAT TYPE OF MATERIAL OR EQUIPMENT. MATERIAL AND EQUIPMENT SHALL BEAR THE LISTING STICKER IN AN ACCESSIBLE LOCATION. PROVIDE NEW MATERIAL OF THE QUALITY SPECIFIED AND SATISFACTORY TO THE ENGINEER.

DATA GIVEN HEREIN AND ON THE PLANS ARE AS EXACT AS COULD BE PRACTICALLY SECURED, BUT THEIR ABSOLUTE ACCURACY IS NOT GUARANTEED. PLANS AND SPECIFICATIONS ARE FOR THE ASSISTANCE AND GUIDANCE OF THE CONTRACTOR AND EXACT LOCATIONS, DISTANCES, LEVELS, OBSTRUCTIONS, EXISTING CONDITIONS AND OTHER DATA WILL BE GOVERNED BY THE STRUCTURES.

LAYOUTS OF EQUIPMENT, ACCESSORIES, AND WIRING SYSTEMS ARE DIAGRAMMATIC BUT SHALL BE FOLLOWED AS CLOSELY AS POSSIBLE. EXAMINE ARCHITECTURAL, AND OTHER DRAWINGS, NOTING ALL CONDITIONS THAT MAY AFFECT THIS WORK. REPORT CONFLICTING CONDITIONS TO THE ENGINEER FOR ADJUSTMENT BEFORE PROCEEDING WITH THE WORK. SHOULD THE CONTRACTOR PROCEED WITH WORK WITHOUT PROPER AUTHORIZATION OR WITHOUT REPORTING THE MATTER, HE DOES SO AT HIS OWN RISK. IF THE ENGINEER DETERMINES THAT CORRECTIONS ARE NEEDED BECAUSE OF THE CONTRACTOR'S ACTIONS, THEY SHALL BE MADE AS DIRECTED BY THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

FIRMLY AND PERMANENTLY SECURE IN PLACE ALL ELECTRICAL EQUIPMENT TO THE STRUCTURE SO THAT IT IS LEVEL, PLUMB, AND TRUE WITH THE STRUCTURE AND OTHER EQUIPMENT, AND INSTALLED SUCH THAT IT WILL RESIST SEISMIC MOVEMENT. PERFORM ALL INSTALLATIONS IN ACCORDANCE WITH APPLICABLE CODES, STANDARDS (E.G., UL STANDARDS), MANUFACTURER'S INSTRUCTIONS, DRAWINGS AND SPECIFICATIONS AND WITH THE METHODS RECOMMENDED BY THE NATIONAL ELECTRICAL CONTRACTORS' STANDARD OF INSTALLATION. NOTIFY THE ENGINEER OF ANY CONFLICTS BETWEEN THE DRAWINGS AND SPECIFICATIONS AND THE ABOVE PRIOR TO THE INSTALLATION OF MATERIALS.

CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND SERVICES AS POSSIBLE. SCHEDULE ANY POWER OR OTHER UTILITY SHUTDOWN WITH OWNER'S REPRESENTATIVE FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN WORK SHALL BE PERFORMED ON OVERTIME HOURS IF SO DIRECTED BY THE OWNER.

ALL UL LISTED, NRTL, OR OTHER LISTED EQUIPMENT SHALL BE INSTALLED AS PER LISTING OR LABELING (I.E., MAXIMUM FUSE SIZE MEANS FUSE PROTECTION REQUIRED).

EXAMINE THE SITE PRIOR TO BID TO DETERMINE EXISTING SITE CONDITIONS, WHICH MAY AFFECT THE WORK. NO ALLOWANCE WILL BE ALLOWED FOR ANY EXTRA WORK REQUIRED DUE TO A FAILURE TO RECOGNIZE OR NEGLIGENCE TO DISCOVER CONDITIONS PRIOR TO BID.

INSTALL NAMEPLATES ON CIRCUIT BREAKERS AND SWITCHES, WHETHER PROVIDED UNDER THIS DIVISION OR SOME OTHER.

TEST GROUNDING SYSTEMS, FOR RESISTANCE TO EARTH. PROVIDE ADDITIONAL GROUNDING ELECTRODES, IF GROUND RESISTANCE EXCEEDS 5 OHMS.

PERFORM ALL TESTS SUGGESTED BY THE EQUIPMENT MANUFACTURERS.

VERIFY THAT EVERYTHING INSTALLED AS PART OF THE SCOPE OF WORK FUNCTIONS PROPERLY. VERIFY THAT ANY WORK PERFORMED DID NOT ADVERSELY AFFECT EXISTING SYSTEMS OR EQUIPMENT.

PVC CONDUIT:
1. SCHEDULE 40, NEMA TC2, TYPE II UNDERGROUND INSTALLATION.
2. MINIMUM SIZE, 3/4 INCH.

PRECAST CONCRETE BOXES

A. PROVIDE HIGH-DENSITY REINFORCED CONCRETE PULL AND JUNCTION BOXES WITH H-20 TRAFFIC RATING. BOXES SHALL HAVE END AND SIDE KNOCKOUTS AND BE AS MANUFACTURED BY CHRISTY, FORNI, BROOKS, OR APPROVED EQUAL. FABRICATED BOXES WITH NON-SETTLING SHOULDERS TO FACILITATE MAINTAINING GRADE DURING BACKFILLING. UNLESS NOTED OTHERWISE, PROVIDE GALVANIZED STEEL CHECKER PLATE COVERS WITH HOLD-DOWN BOLTS, IDENTIFIED AS FOLLOWS:

SYSTEM	IDENTIFICATION
LIGHTING	LIGHTINGL

WIRE AND CABLE

A. CONDUCTOR: INSULATED COPPER, INDIVIDUAL CONDUCTORS, 98 PERCENT CONDUCTIVITY, #10 AWG, STRANDED, RETED 600 VOLTS AND 90 DEGREES WITH XHHW-2 INSULATION.

REGISTERED PROFESSIONAL ENGINEER JESSE U. BASTIAN No. E20229 Exp. 03-31-21 ELECTRICAL STATE OF CALIFORNIA

M. NEILS ENGINEERING, INC.
Electrical Engineers | Lighting Designers
100 Howe Ave., Suite 235N
Sacramento, CA 95825-8217
www.mneilsengineering.com
Tel: (916) 923-4400 Fax: (916) 923-4410
PROJECT #: 20353.21

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-118901 INC:
REVIEWED FOR
SS ☐ FLS ☐ ACS ☑
DATE: 02/24/2021

A.P.N. 058-230-260
BENCHMARK NO. 1074 ELEV. 33.003
7.3' N/ END OF CURB RETURN ON LEGACY WAY., TOC

HORIZONTAL SCALE: AS NOTED
VERTICAL SCALE: AS NOTED
JOB NO.: 20-138

NO.	REVISIONS DESCRIPTION	DATE	AGENCY APPROVAL BY	DATE

DESIGNED: AT
DRAWN: AT
CHECKED: AT
DATE: 02-05-21

REGISTERED PROFESSIONAL ENGINEER ANTHONY J. TASSANO No. E20229 ELECTRICAL STATE OF CALIFORNIA 02/19/2021

WARREN CONSULTING ENGINEERS, INC.
1117 WINDFIELD WAY, SUITE 110
EL DORADO HILLS, CA 95762 | (916) 985-1870

TITLE: SITE PLAN - ELECTRICAL - REMODEL
"OUT TO BID" JANUARY 12, 2022
PROJECT: ELLERTH E LARSON ELEMENTARY SCHOOL PAVING PROJECT AT 2375 GIANNONI WAY
LODI SAN JOAQUIN COUNTY, CALIFORNIA
LODI UNIFIED SCHOOL DISTRICT

SHEET NO.
E1.10

02-118901

FILENAME: I:\20-138\CIVIL\DWG\X20-13880.DWG