

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

6715 GLORIA DR.
SACRAMENTO, CA 95831



AGENCY APPROVAL:

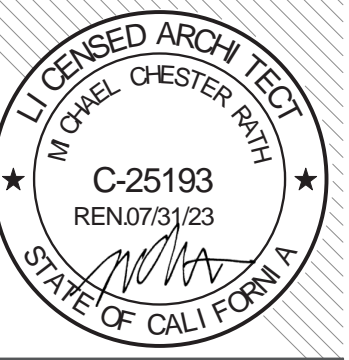
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DIV. OF THE STATE ARCHITECT

APP: 02-120928 INC:
REVIEWED FOR
SS FLS ACS
DATE: 12/20/2022



HMC Architects

3186-067-000



2101 CAPITOL AVENUE #100,
SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com

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FACILITY:
**6715 GLORIA DR.
SACRAMENTO, CA 95831**

PROJECT:
JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

SHEET NAME:
COVER SHEET

DATE: 12/20/22 CLIENT PROJ NO:
SHEET:

C:\Users\elishia\Documents\JKF PARKING LOT - NEW_elsalishia.rvt 12/20/2022 11:38:10 AM

THE LINE SHOWN ABOVE IS TO BE CONSIDERED AS THE PROPERTY LINE UNLESS OTHERWISE NOTED.

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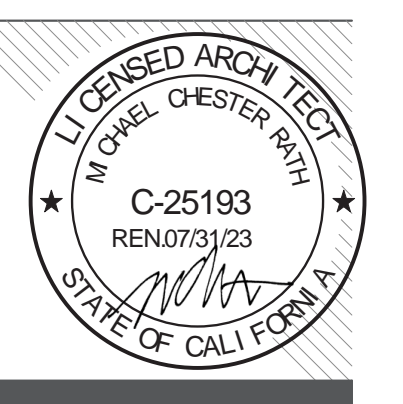
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ISSUE	
DESCRIPTION	DATE

SHEET NOTES

- SN.01 (E) STAFF TOILET PER #02-117725
- SN.02 (E) STUDENT TOILET PER #02-117725
- SN.03 VAN ACCESSIBLE STALL PER THIS APPLICATION
- SN.04 PARKING LOT ENTRANCE SIGN PER THIS APPLICATION
- SN.05 STANDARD ACCESSIBLE STALL PER THIS APPLICATION

LEGEND

- PROPERTY LINE
- MATCH LINE
- UNIT DESIGNATION
- EXISTING BUILDINGS
- EXPANSION JOINT
- CONCRETE WALK / PAVING
- CONTROL JOINT
- ASPHALT CONCRETE PAVING
- POLE MOUNTED LIGHT

ACCESSIBLE PATH OF TRAVEL

- SITE WALKWAYS SHALL PROVIDE A BARRIER-FREE P.O.T. ABRUPT CHANGES IN LEVEL ALONG ANY P.O.T. ARE ALLOWED UP TO 1/2". ONLY ABRUPT CHANGES IN ELEVATION UP TO 1/4" ARE ALLOWED TO HAVE A VERTICAL TRANSITION. ABRUPT CHANGES IN ELEVATION BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE, NO GREATER THAN 1:1 UNIT VERTICAL TO 2 UNITS HORIZONTAL.
- WALKWAYS SHALL BE FREE OF GRATINGS WHEREVER POSSIBLE. GRATINGS WHICH OCCUR WITHIN THE P.O.T. SHALL HAVE OPENINGS WHICH DO NOT EXCEED 1/2" IN THE DIRECTION OF TRAVEL PER CBC SECTION 11B-302.3.
- AN ABRUPT DROP-OFF CHANGE IN ELEVATION AT THE EDGE OF ANY WALK INTO AN ADJACENT PLANTER SHALL NOT EXCEED 4".
- SLOPES IN THE DIRECTION OF THE P.O.T. GREATER THAN 1:1 UNIT VERTICAL TO 20 UNITS HORIZONTAL SHALL BE CONSIDERED A RAMP AND WILL REQUIRE HANDRAILS ON BOTH SIDES PER CBC SECTION 11B-305 SLOPES IN THE DIRECTION OF THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 5%. CROSS SLOPES IN THE P.O.T. ALONG WALKWAYS SHALL NOT EXCEED 2%.
- ALL WALKWAYS WITHIN THE P.O.T. SHALL BE A MINIMUM OF 48" IN WIDTH. SURFACES WITH A SLOPE OF 5% OR LESS SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A LIGHT BROOM FINISH. SURFACES WITH A SLOPE OF MORE THAN 5% SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT PROVIDED BY A MEDIUM BROOM FINISH.
- OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE WITHIN THE P.O.T. PER CBC SECTION 11B-307.
- PASSING SPACES (11B-403.5.3) OF 60" X 60" MIN. ARE LOCATED NOT MORE THAN 200' APART. WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE 60" IN LENGTH LEVEL RESTING AREAS (11B-403.7) NOT MORE THAN 400' APART. P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MIN (11B-307.4) AND FREE OF PROTRUDING OBJECTS (11B-307) GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND LESS THAN 80". OBJECTS PROTRUDING INTO THE P.O.T. SHALL NOT REDUCE THE CLEAR WIDTH OR MANEUVERING SPACE REQUIRED FOR ACCESSIBLE ROUTES (11B-307.5).

EXISTING PATH OF TRAVEL (POT): ARCHITECT STATEMENT

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE IN CHARGE STATEMENT: THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT:

- 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 NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

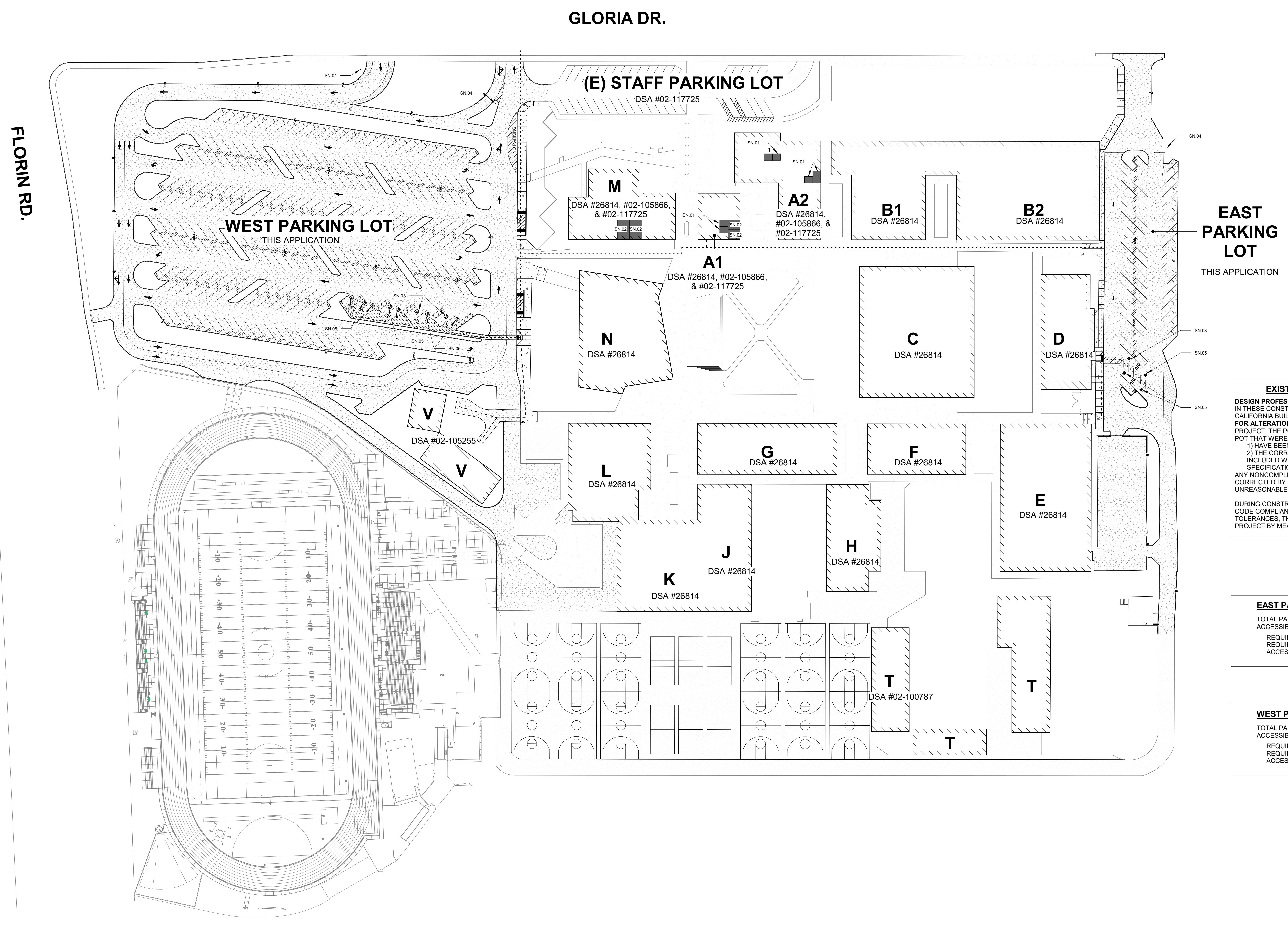
DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT TO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

EAST PARKING LOT: ACCESSIBLE PARKING STALL CALCULATION

TOTAL PARKING STALL COUNT:	61 STALLS
ACCESSIBLE PARKING STALLS:	(TABLE 11B-208.2)
REQUIRED ACCESSIBLE STALLS:	3 (51.75 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS:	1 (1-6 ACCESSIBLE STALLS)
ACCESSIBLE STALLS PROVIDED:	3 STANDARD AND 1 VAN

WEST PARKING LOT: ACCESSIBLE PARKING STALL CALCULATION

TOTAL PARKING STALL COUNT:	252 STALLS
ACCESSIBLE PARKING STALLS:	(TABLE 11B-208.2)
REQUIRED ACCESSIBLE STALLS:	7 (201-300 TOTAL STALLS)
REQUIRED VAN ACCESSIBLE STALLS:	1 (1-6 ACCESSIBLE STALLS)
ACCESSIBLE STALLS PROVIDED:	7 STANDARD & 2 VAN



1 CODE SITE PLAN
 1" = 60'-0"



FACILITY:

6715 GLORIA DR.
 SACRAMENTO, CA 95831

PROJECT:
 JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

SHEET NAME:
 CODE INFORMATION SITE PLAN

DATE: 12/20/22 CLIENT PROJ. NO:

SHEET:

G1.1.1

CIVIL SHEET INDEX

- C0.1 - CIVIL GENERAL NOTES AND ABBREVIATIONS
C0.2 - TOPOGRAPHIC SURVEY
C0.3 - TOPOGRAPHIC SURVEY
C0.4 - TOPOGRAPHIC SURVEY
C1.1 - DEMOLITION PLAN
C1.2 - DEMOLITION PLAN
C1.3 - DEMOLITION PLAN
C1.4 - ENGINEERED FILL PLAN
C1.5 - ENGINEERED FILL PLAN
C2.1 - GRADING PLAN
C2.2 - GRADING PLAN
C2.3 - GRADING PLAN
C3.1 - DRAINAGE PLAN
C3.2 - DRAINAGE PLAN
C4.1 - PAVING PLAN
C4.2 - PAVING PLAN
C5.1 - EROSION CONTROL PLAN
C6.1 - DETAILS AND SECTIONS
C6.2 - DETAILS AND SECTIONS

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...
2. WARREN CONSULTING ENGINEERS, INC. (WCE) ASSUMES NO RESPONSIBILITY FOR ERRORS IN PHYSICAL LOCATION OF IMPROVEMENTS...
3. IF SUBSURFACE CULTURAL RESOURCES, REMAINS, AND/OR ARTIFACTS ARE UNCOVERED DURING PROJECT CONSTRUCTION...
4. CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION...
5. THE CONTRACTOR SHALL OBTAIN AN EXCAVATION PERMIT FROM THE STATE OF CALIFORNIA DEPARTMENT OF INDUSTRIAL SAFETY...
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ALL NECESSARY PRE-BID AND PRE-CONSTRUCTION SITE INSPECTION AND OBSERVATIONS ON THE SITE TO PRE-DETERMINE ALL HIS/HER MEANS AND METHODS NECESSARY TO COMPLETE THE IMPROVEMENTS SHOWN ON THESE PLANS...
7. WHERE IMPROVEMENTS LIE WITHIN AN EXISTING DEVELOPED AREA, CONTRACTOR SHALL USE CAUTION WHEN ACCESSING THE SITE THROUGH THESE EXISTING IMPROVEMENTS...
8. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO KEEP DETAILED RECORDS OF MINOR CHANGES OR ADJUSTMENTS MADE DURING CONSTRUCTION...
9. IN VEHICULAR PATHWAYS, EXISTING ASPHALTIC AND/OR CONCRETE SURFACES SHALL BE CUT TO A NEAT AND STRAIGHT LINE PERPENDICULAR TO THE VEHICULAR TRAVELED PATH...
10. NO BURNING OR BLASTING SHALL BE ALLOWED ONSITE UNLESS SPECIFICALLY ADDRESSED ON PLANS...
11. SUBGRADE AND RESULTING FINISHED GRADE SHALL BE CONSTRUCTED SMOOTH AND UNIFORM BETWEEN SPOT ELEVATIONS...
12. ON NEW WATER SYSTEMS, SERVICE LATERALS SHALL BE MADE USING APPROPRIATE "TEE" AND "WYE" FITTINGS...
13. CURING COMPOUND SHALL BE APPLIED IN A CONTINUOUS SOLID WET FLOWING COAT...
14. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING...
15. EMBEDMENT OF FEATURES IN CONCRETE PAVING, CURBS, OR WALLS, SUCH AS SQUARE OR ROUND TUBING...
16. NO MORE THAN 1 GALLON OF WATER PER YARD OF CONCRETE CAN BE ADDED TO THE TRUCK AFTER ARRIVAL TO PROJECT SITE...
17. WHEN PUMPING CONCRETE FOR PLACEMENT, ABSOLUTELY NO WATER IS TO BE ADDED TO PUMP HOPPER...
18. ALL CONTRACTION/CONSTRUCTION JOINTS "CJ" SHALL BE 1/4 THE SLAB THICKNESS DEEP...
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...
21. SHOULD ANY SHRINKAGE CRACKS OCCUR OUTSIDE OF EITHER THE EXPANSION JOINTS OR CRACK CONTROL JOINTS...
22. ALL AREAS DISTURBED BY GRADING OPERATIONS WHETHER SHOWN ON THE DRAWINGS OR NOT SHALL BE HYDRO SEEDED UNLESS OTHERWISE NOTED...
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.

GENERAL PAVING SURFACE NOTES:

- 1. PROVIDE EQUIVALENT OF MEDIUM BROOM FINISH AT SLOPES UP TO 5.99%...
2. ALL NEW PEDESTRIAN WALKWAYS (NON-RAMP) SHALL BE SLOPED NO GREATER THAN 2.0% AND NO LESS THAN 0.75% IN ANY DIRECTION...
- 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.

CIVIL ABBREVIATIONS AND LEGEND

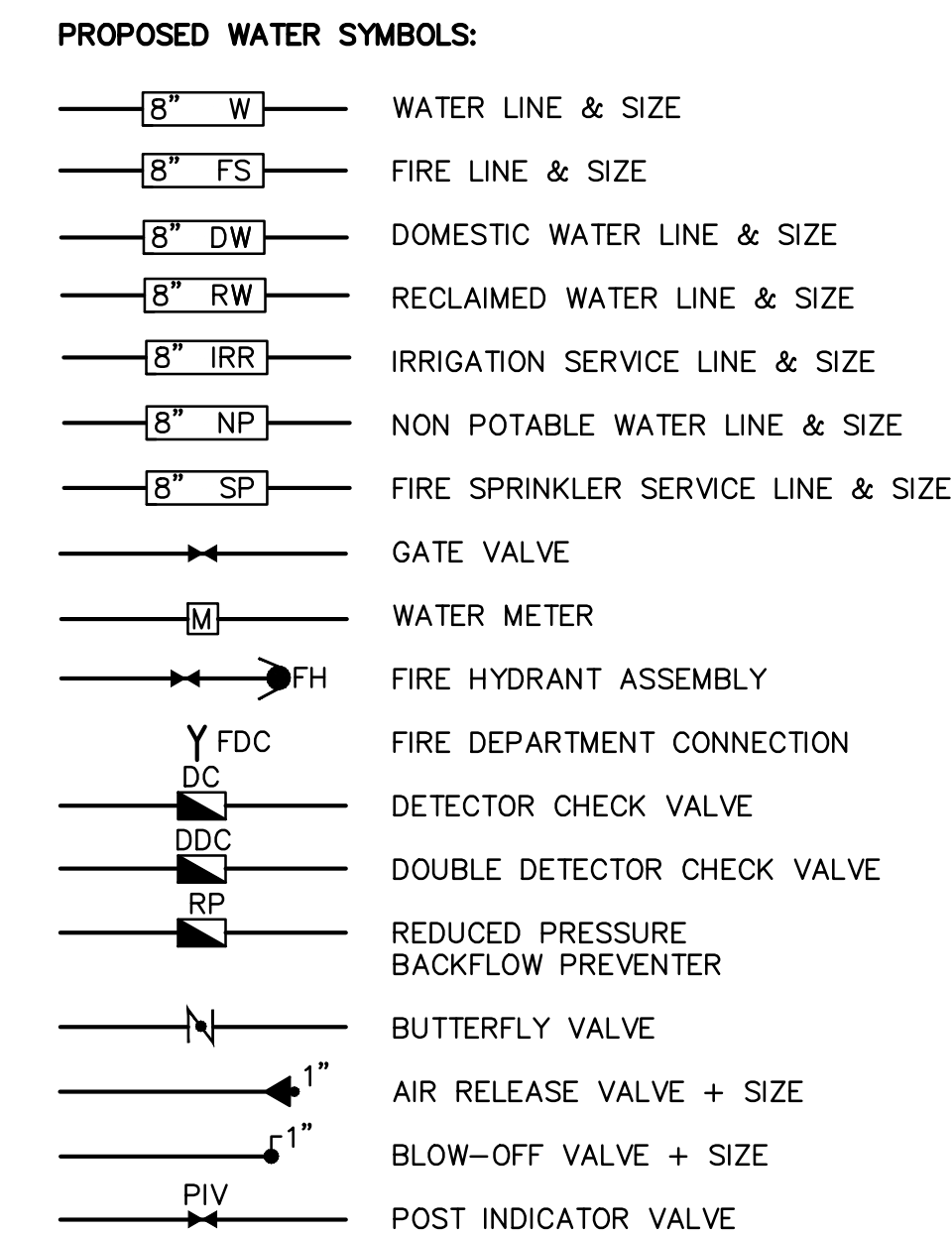
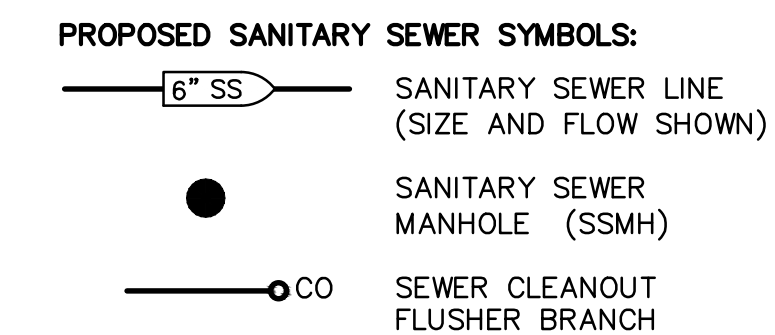
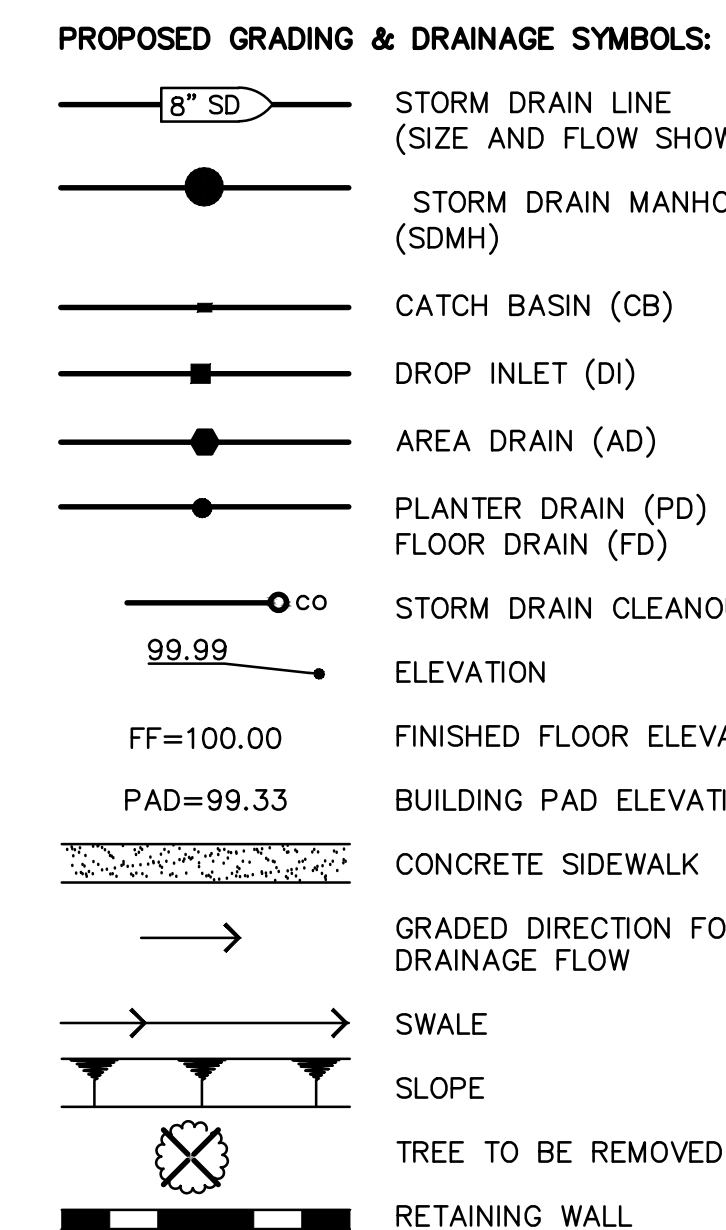
ABBREVIATIONS

- NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.
AC AGGREGATE BASE
AB ASPHALTIC CONCRETE
AD AREA DRAIN
APN ASSESSOR'S PARCEL NUMBER
ARV AIR RELEASE VALVE
ASB AGGREGATE SUB-BASE
BO BLOW-OFF VALVE
B/V BUTTERFLY VALVE
BW BACK OF WALK
C/L CENTERLINE
CB CATCH BASIN
CLASS CORRUGATED METAL PIPE
CMP CABLE TELEVISION
CATV CLEANOUT
CO COMMUNICATION CONCRETE
COMM 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 FLOWLINE
FL SANITARY SEWER FORCE MAIN
FF FINISHED FLOOR ELEVATION
FH FIRE HYDRANT
G GAS
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
JUP JOINT UTILITY POLE
LF LINEAL FEET
LIP LEFT OF GUTTER
LT LEFT
MS MOWSTRIP
NTS NOT TO SCALE
OH OVERHEAD
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
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
UN UNLESS OTHERWISE NOTED
VCP VITRIFIED CLAY PIPE
W WATER
W/ WITH
W/O WITHOUT
WV WATER VALVE

DEMOLITION GENERAL NOTES

- 1. IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THE GEOTECHNICAL INVESTIGATION REPORT OR ARE ENCOUNTERED DURING GRADING OPERATIONS...
2. NO BURNING OR BLASTING SHALL BE PERMITTED.
3. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADINGS, DRAINAGE, AND UTILITY PLANS...
4. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
5. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.
6. THE TYPES, LOCATIONS, SIZES AND/OR DEPTHS OF EXISTING UNDERGROUND UTILITIES AS SHOWN IN THESE PLANS WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY...
7. THE SCHOOL DISTRICT SHALL HAVE SALVAGE RIGHTS TO ANY DEMOLISHED ITEMS SHOWN HEREON...
8. EXISTING UTILITY STRUCTURES IN AREAS OF NEW PAVING SHALL BE REMOVED AND REPLACED WITH NEW BOX/COVER AT NEW GRADE UNLESS SPECIFICALLY NOTED OTHERWISE.
9. ITEMS OUTSIDE THE LIMITS OF DEMOLITION SHALL REMAIN AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
10. EXISTING UTILITY STRUCTURES AND PIPING NOT SHOWN ON DEMOLITION PLAN TO BE REMOVED SHALL REMAIN AND BE PROTECTED.

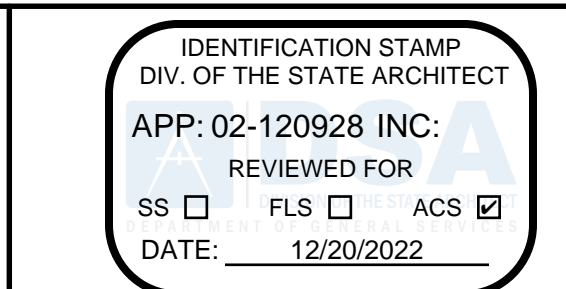
NOTE: NOT ALL SYMBOLS MAY BE USED ON THESE PLANS.



CONCRETE SAWCUT NOTE
SAWCUTS AND SUBSEQUENT PATCH BACK OF CONCRETE WALKS, SHALL BE TO THE EXISTING CONCRETE JOINT BEYOND THE NEAREST LOCATION OF DEMOLITION AS SHOWN...

UTILITY VERIFICATION NOTE
PRIOR TO THE START OF CONSTRUCTION, LOCATE AND POTHOLE ALL UTILITY POINTS OF CONNECTION FOR LOCATION, DEPTH, AND SIZE...

IRRIGATION DEMOLITION NOTE
WITHIN LANDSCAPE AREAS TO BE DEMOLISHED THERE MAY BE EXISTING IRRIGATION LINES NOT SHOWN ON THIS PLAN...



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

JOHN F. KENNEDY HIGH SCHOOL PARKING LOT SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

GENERAL NOTES AND ABBREVIATIONS

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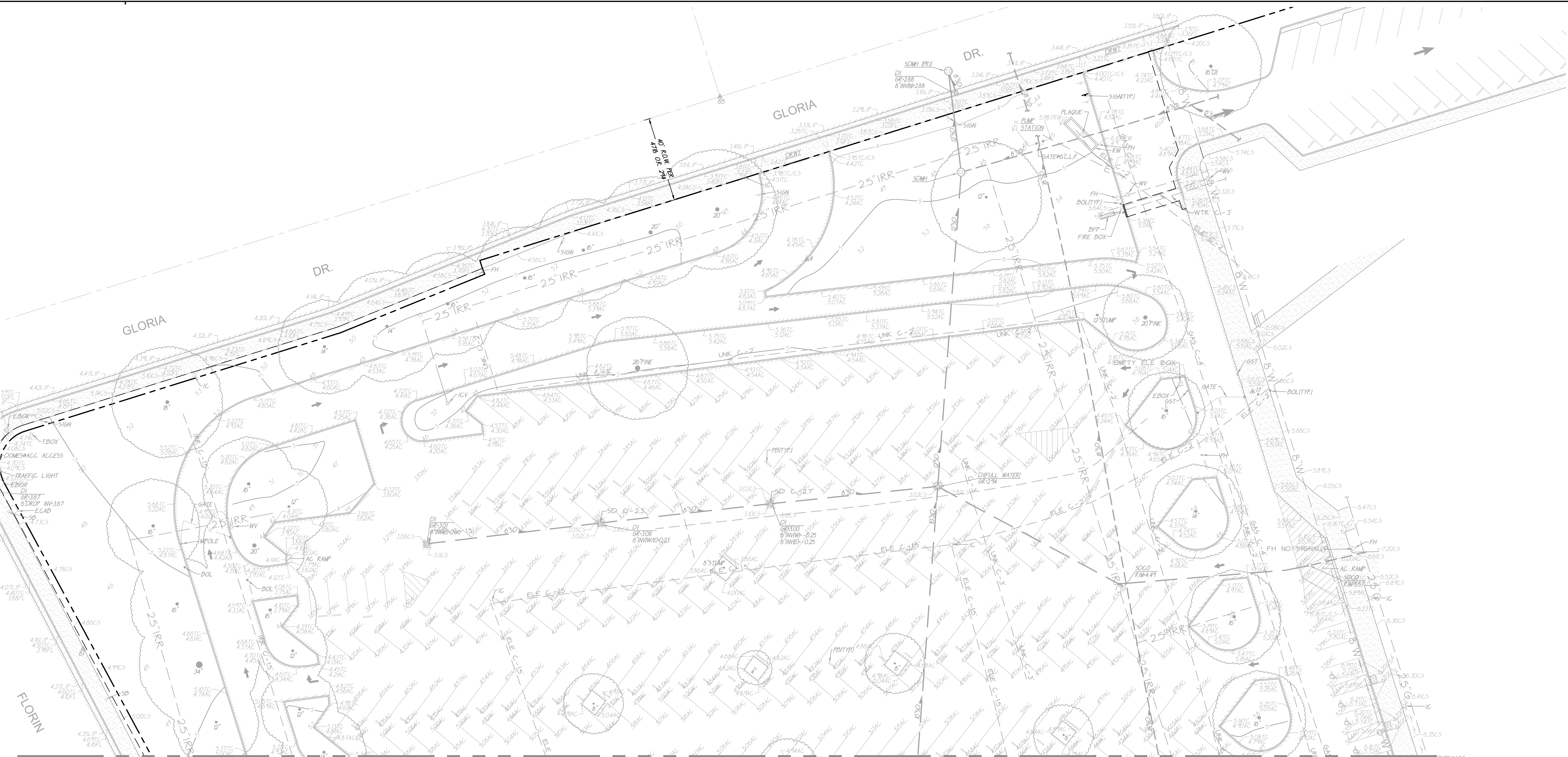
PROJECT NO. 22-XXXX DATE: 12/20/22 SHEET



JOHN F. KENNEDY HIGH SCHOOL
 PARKING LOT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

TOPOGRAPHIC SURVEY

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MATCH LINE - SEE SHEET C0.3

EXISTING TOPOGRAPHY

- - - - - PROPERTY LINE
- - - - - CENTERLINE
- - - - - EASEMENT
- PROPERTY CORNER FOUND AS NOTED
- PROPERTY CORNER NOTHING FOUND OR SET
- △ TEMPORARY BENCHMARK (SEE TBM LIST FOR INFO)
- DRAINAGE FLOW
- 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

- 12"SD — STORM DRAIN LINE (SIZE + DIRECTION OF FLOW)
- 12"SD — STORM DRAIN LINE (RECORD INFORMATION)
- 12"SD — STORM DRAIN LINE (UNDERGROUND LOCATING)
- STORM DRAIN MANHOLE
- STORM DRAIN CLEANOUT
- DROP INLET
- AREA DRAIN
- RWL — RAIN WATER LEADER
- DS — DOWNSPOUT
- 12"SS — SANITARY SEWER LINE (SIZE + DIRECTION OF FLOW)
- 12"SS — SANITARY SEWER LINE (RECORD INFORMATION)
- 12"SS — SANITARY SEWER LINE (UNDERGROUND LOCATING)
- SANITARY SEWER MANHOLE
- SANITARY SEWER CLEANOUT
- W — WATER LINE (SIZE INDICATED)
- W — WATER LINE (RECORD INFORMATION)
- W — WATER LINE (UNDERGROUND LOCATING)
- WATER MANHOLE
- WATER VALVE
- WATER METER
- WATER BOX
- IRRIGATION CONTROL VALVE
- FIRE HYDRANT
- BACKFLOW PREVENTER
- SPRINKLER
- HOSE BIBB

ABBREVIATIONS

- NOTE: NOT ALL ABBREVIATIONS MAY BE USED ON THESE PLANS.
- | | | | |
|--------------------|----------------------------|---------|-----------------------------------|
| AC | ASPHALTIC CONCRETE | INV | PIPE INVERT ELEVATION |
| ACC | ACCESSIBLE | IRR | IRRIGATION |
| ACR | ACCESSIBLE CONCRETE RAMP | J | JOINT UTILITY POLE |
| ACU | AIR CONDITIONING UNIT | JT | JOINT TRENCH |
| AD | AREA DRAIN | JT LDCG | JOINT TRENCH LOW VOLTAGE ELECTRIC |
| ADN | ADJACENT PARCEL NUMBER | MAN | MANHOLE |
| ADV | AIR RELEASE VALVE | MAN R | MANHOLE RAMP |
| ADW | ASBESTOS | MS | MS STRIP |
| BDALL | BASKETBALL POLY | MSC | METAL STORAGE CONTAINER |
| BR | BRICK | CH | OVERHANG |
| BLDG | BUILDING | OIP | OPEN IRON |
| BOV | BLOW-OFF VALVE | OST | OLD STEEL POST HOLE |
| BR | BRICK | P/L | PROPERTY LINE |
| BWF | BARBED WIRE FENCE | PA | PLANTER AREA |
| CAB | CABINET | PB | PARKING BUMPER |
| CATV | CABLE TELEVISION | PH | POSTHOLE |
| CIP | CAPPED IRON PIPE | PI | POST INDICATOR VALVE |
| CLF | CHAIN LINK FENCE | PR | PER RECORD INFORMATION |
| CM | CORRUGATED METAL PIPE | PKG | PARKING UTILITY EASEMENT |
| COL | COLUMN | PAV | PAVERS |
| CONC | CONCRETE | RY | RUBBER |
| COND. | CONDENSATE | RG | ROLLING GATE |
| CONTR. POINT FOUND | CONTROL POINT FOUND | RIM | MANHOLE RIM ELEVATION |
| CPS | CONTROL POINT SET | ROW | RIGHT OF WAY |
| CS | CONCRETE SURFACE | RWD | REDWOOD TREE |
| DEPTH | DEPTH | RWL | RAIN WATER LEADER |
| DF | DRINKING FOUNTAIN | SD | STORM DRAIN |
| DS | DECOMPOSED GRANITE | SDM | STORM DRAIN MANHOLE |
| DI | DROPPLET | SIG | SIGNAL |
| DRWY | DRIVEWAY | SL | STREET LIGHT |
| DS | DOWNSPOUT | SLB | STREET LIGHT BOX |
| DWS | DRAWING | SS | SANITARY SEWER |
| EP | ELECTRIC | SSC | SANITARY SEWER CLEANOUT |
| ESMT | EDGE OF PAVEMENT | SSH | SANITARY SEWER MANHOLE |
| FA | FIRE ALARM | T | TELEPHONE |
| FDC | FIRE DEPARTMENT CONNECTION | TB | TELEPHONE TETHER BALL POLE |
| FFE | FINISHED FLOOR ELEVATION | TM | TEMPORARY BENCHMARK |
| FL | FIRE HYDRANT | TC | TOP OF CURB |
| FLW | FLOWLINE | TOW | TOP OF WALL |
| FO | FIBER OPTIC | TP | TELEPHONE POLE |
| FS | FIRE SERVICE | TRW | TOP OF RETAINING WALL |
| G | GAS | US | UNDERGROUND |
| GB | GRADE BREAK | UNK | UNKNOWN |
| GD | GARAGE DOOR | V | VENT |
| GR | GRATE | VBALL | VOLLEYBALL |
| GRD | GROUND ROD BOX | W | WATER |
| GRD | GROUND ROD | WD | WOOD |
| GST | GATE STOP | WIF | WROUGHT IRON FENCE |
| GV | GAS VALVE | WLF | WOOD RAIL FENCE |
| HD | HOSE BIBB | XF | TRANSFORMER |
| HBD | HEADER BOARD | XWALK | CROSSWALK |
| HP | HIGH PRESSURE | | |
| HR | HANDRAIL | | |
| HW | HOT WIRE FENCE | | |
| IC | IN CONCRETE | | |
| ICP | IRRIGATION CONTROL PANEL | | |
| ICV | IRRIGATION CONTROL VALVE | | |

TBM LIST

NUMBER	DESCRIPTION	NORTHING	EASTING	ELEVATION
4	CPS CHISELED "	10177.41	98118.3	4.84
6	CPS CHISELED "	9859.11	100115	5.91
17	CFF CHISELED "	1015.10	10021.95	5.76
21	CFF RR SPIKE?	10440.32	10367.91	4.24
36	CPS MAG NAIL	9912.95	10433.17	5.62
60	CPS CHISELED "	9776.98	9577.86	4.00
61	CPS CHISELED "	9993.74	9470.61	4.91
62	CPS CHISELED "	10493.95	10725.21	5.68
64	CPS CHISELED "	10096.70	10877.58	6.36
65	CFF RR SPIKE GLORIA/REEF	10254.85	9770.87	4.23
66	CFF RR SPIKE GLORIA/MAST	10340.64	10048.13	4.45

A.P.N. 030-0370-021
 BENCHMARK NO. SAC. CITY 316-H7B ELEV. 4.242
 FOUND HILT! NAIL LIGHT BASE SOUTH SIDE GLORIA DRIVE OPPOSITE KEEL COURT.

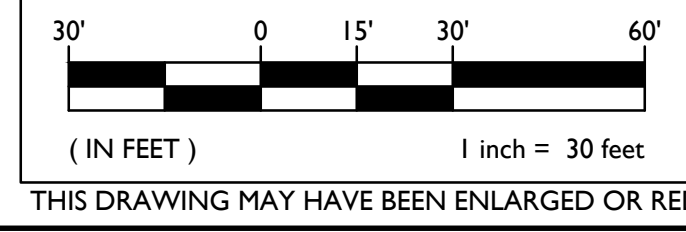
BASIS OF BEARINGS:
 19 R.S. 12

FEMA INFORMATION:
 THE SUBJECT PROPERTY IS LOCATED IN ZONE X (SHADED) - AREAS PROTECTED FROM THE 1% ANNUAL CHANCE OR GREATER FLOOD HAZARD BY A LEVEE SYSTEM, OVERTOPPING OR FAILURE OF ANY LEVEE SYSTEM IS POSSIBLE PER FLOOD INSURANCE RATE MAP 06067C0107H DATED AUGUST 16, 2012.

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 POT-HOLING.

NOTE:
 EXISTING UTILITIES BASED ON VISIBLE SURFACE STRUCTURES, US LOCATING BY B+B, AND RECORD INFORMATION.

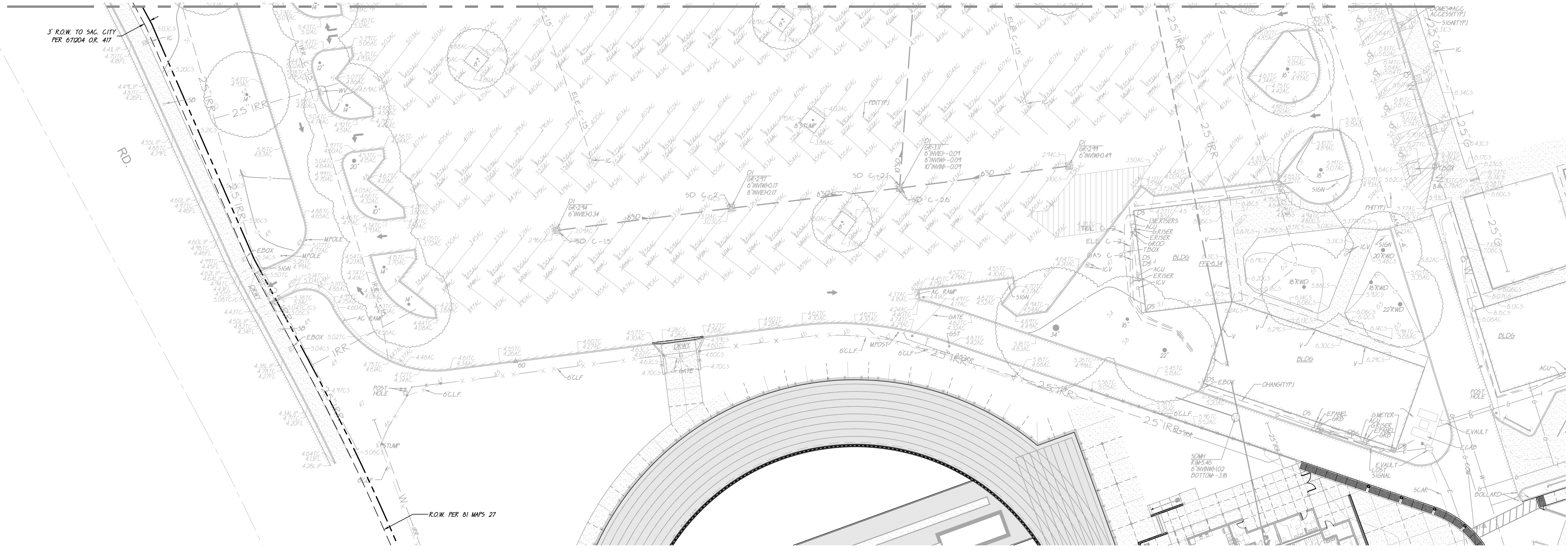
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MATCH LINE - SEE SHEET C0.3

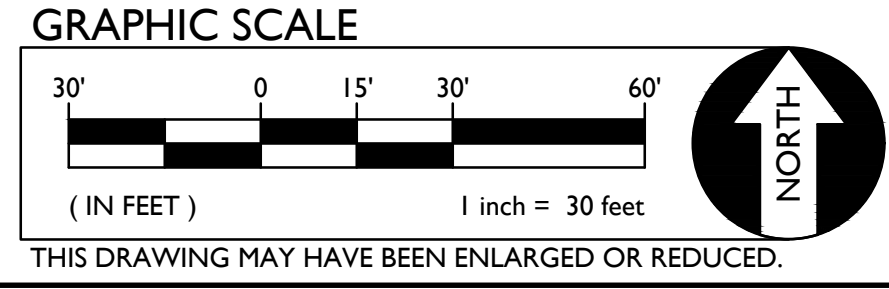


**JOHN F. KENNEDY HIGH SCHOOL
 PARKING LOT**

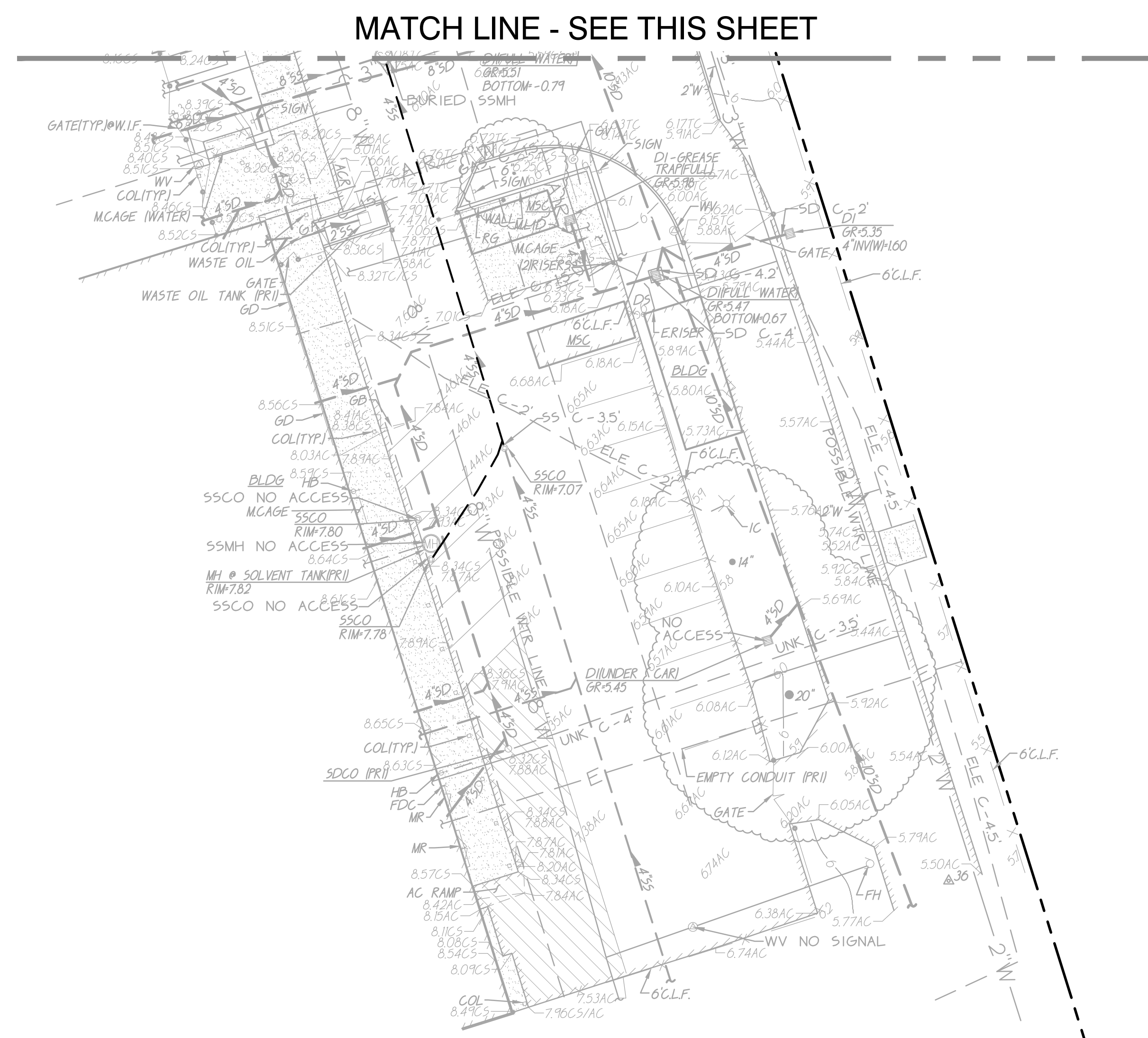
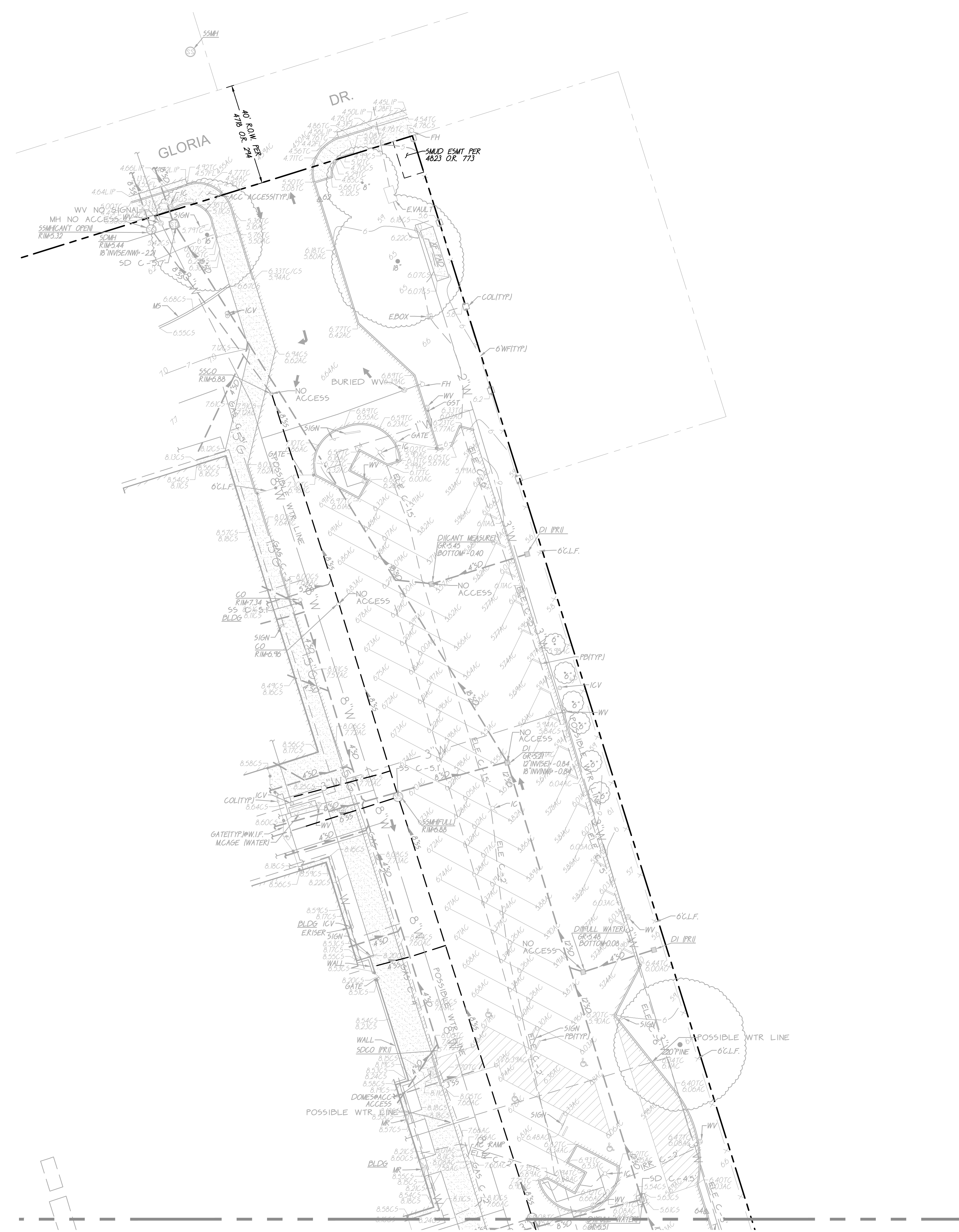
**SACRAMENTO CITY UNIFIED SCHOOL
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**TOPOGRAPHIC
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 SHEET **C0.3**



**JOHN F. KENNEDY HIGH SCHOOL
 PARKING LOT**

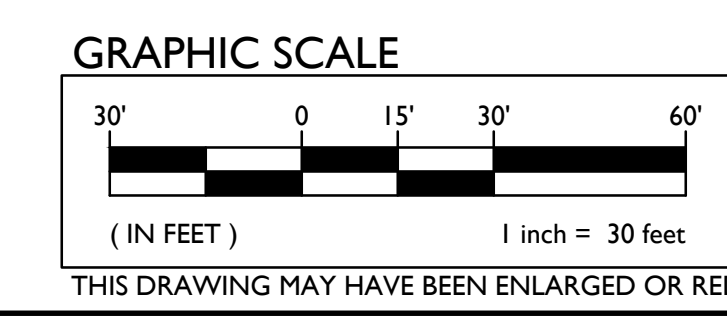
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**TOPOGRAPHIC
 SURVEY**

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 SHEET

C0.4



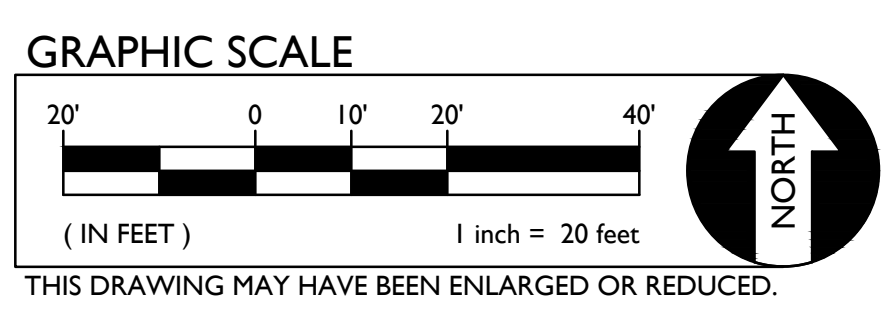


MATCH LINE - SEE SHEET C1.2

DEMOLITION GENERAL NOTES

- A. THE CONTRACTOR SHALL CONFORM TO CHAPTER 33, CALIFORNIA FIRE CODE (CFC), "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION, AT ALL TIMES DURING THE CONSTRUCTION PROCESS. A COPY OF THIS CHAPTER CAN BE PROVIDED TO THE CONTRACTOR AT HIS REQUEST.
- B. IN THE EVENT THAT ANY UNUSUAL CONDITIONS ARE ENCOUNTERED DURING DEMOLITION OPERATIONS, THE ARCHITECT SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- C. NO BURNING OR BLASTING SHALL BE PERMITTED.
- D. 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 DRAWINGS. THE CONTRACTOR OR ANY SUBCONTRACTOR FOR THIS CONTRACT SHALL NOTIFY THE OWNER 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.
- E. ADDITIONAL DEMOLITION INFORMATION MAY BE SHOWN ON THE GRADING, DRAINAGE, AND UTILITY PLANS, AND THOSE PLANS PREPARED BY OTHER DISCIPLINES FOR THIS PROJECT.
- F. ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF OFFSITE AT A SUITABLE, LEGAL, DUMP SITE OR OTHER FACILITY.
- G. ALL DISPOSED OF MATERIALS SHALL BE RECYCLED IF POSSIBLE.

- DEMOLITION NOTES
- NOTE: NOT ALL THESE NOTES MAY BE USED ON THIS SHEET.
- 1. REMOVE EXISTING CONCRETE PAVING AND AGGREGATE BASE. WHERE SAWCUTS ARE NECESSARY, THEY SHALL BE A NEAT STRAIGHT LINE. MAINTAIN CLEAN STRAIGHT CUT EDGE UNTIL NEW PAVING PLACED.
 - 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 CHAIN LINK FENCE, GATES, GATE STOPS, POSTS AND ASSOCIATED FOOTINGS.
 - 4. REMOVE AND DISPOSE OF EXISTING TREE, TRUNK AND ASSOCIATED ROOTS.
 - 5. EXISTING TREE TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
 - 6. REMOVE AND DISPOSE OF EXISTING LIGHT POLE AND ASSOCIATED FOOTING.
 - 7. REMOVE AND DISPOSE OF EXISTING CONCRETE CURB.
 - 8. REMOVE AND DISPOSE OF EXISTING METAL POLE AND ASSOCIATED FOOTING.
 - 9. REMOVE AND DISPOSE OF EXISTING SIGN, POST AND ASSOCIATED FOOTING.
 - 10. REMOVE AND DISPOSE OF EXISTING BOLLARD AND ASSOCIATED FOOTING.
 - 11. REMOVE AND DISPOSE OF EXISTING CONCRETE WHEEL STOPS.
 - 12. REMOVE AND DISPOSE OF EXISTING SIGN AND ASSOCIATED FOOTING.
 - 13. EXISTING FIRE HYDRANT, BOLLARDS AND BACK FLOW PREVENTER TO REMAIN AND BE PROTECTED.
 - 14. REMOVE AND DISPOSE OF EXISTING TRUNCATED DOMES.
 - 15. REMOVE AND DISPOSE OF EXISTING STORM DRAIN LINES AND ASSOCIATED STRUCTURES.



JOHN F. KENNEDY HIGH SCHOOL
 PARKING LOT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

DEMOLITION PLAN

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PROJECT NO. 22-XXXX
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 SHEET

C1.1

- DEMOLITION NOTES**
 NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET
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 CHAIN LINK FENCE, GATES, GATE STOPS, POSTS AND ASSOCIATED FOOTINGS.
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 15. REMOVE AND DISPOSE OF EXISTING STORM DRAIN LINES AND ASSOCIATED STRUCTURES.



MATCH LINE - SEE SHEET C1.1



**JOHN F. KENNEDY HIGH SCHOOL
 PARKING LOT**

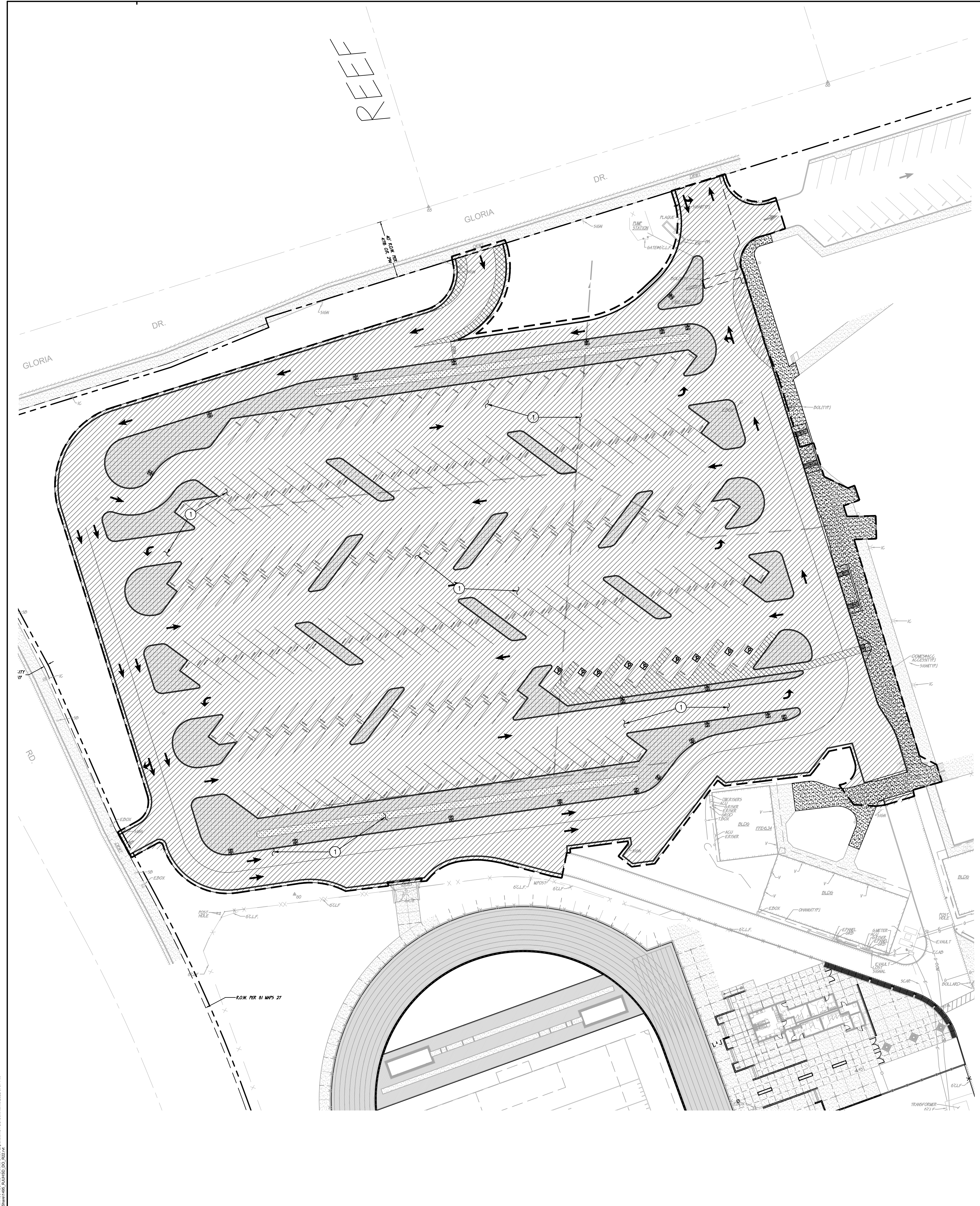
**SACRAMENTO CITY UNIFIED SCHOOL
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**DEMOLITION
 PLAN**

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PROJECT NO. 22-XXXX
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11/18/2022 04:14:52 - Project Office: Sacramento, CA - Rainform Graa Architects - 12/20/2022 10:07 AM - Rainform_Graa_Architects - 12/20/2022



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 6 INCHES AND UNIFORMLY MOISTURE CONDITION TO AT LEAST 2 PERCENT ABOVE THE 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 6 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. 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 PROPOSED SUBGRADE SHALL BE LIME TREATED AT A RATE OF AT LEAST 4.5 POUNDS OF QUICKLIME PER SQUARE FOOT MIXING DEPTH. LIME TREATED SUBGRADE SHALL BE COMPACTED TO NOT LESS 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 TOPSOIL.
- COMPACTION OF THE UPPER 12 INCHES OF SUBGRADE, WHERE LIME IS TO BE MIXED INTO SOIL, IS NOT REQUIRED UNTIL LIME IS PLACED.

GENERAL NOTES

- 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.
- NO BURNING SHALL BE PERMITTED.
- 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.

IDENTIFICATION STAMP
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 REVIEWED FOR
 SS FLS ACS
 DATE: 12/20/2022



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

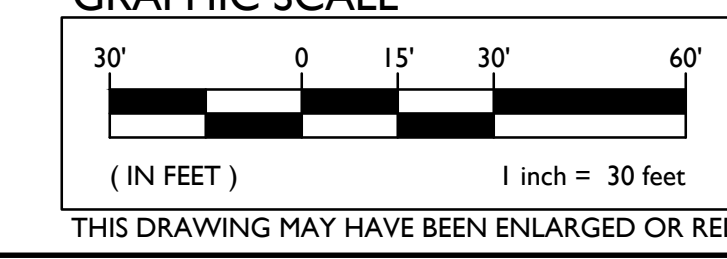
**JOHN F. KENNEDY HIGH SCHOOL
 PARKING LOT**

**SACRAMENTO CITY UNIFIED SCHOOL
 DISTRICT**

**ENGINEERED
 FILL PLAN**

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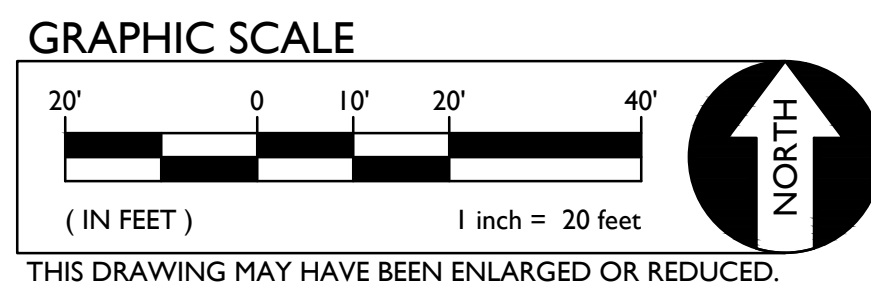
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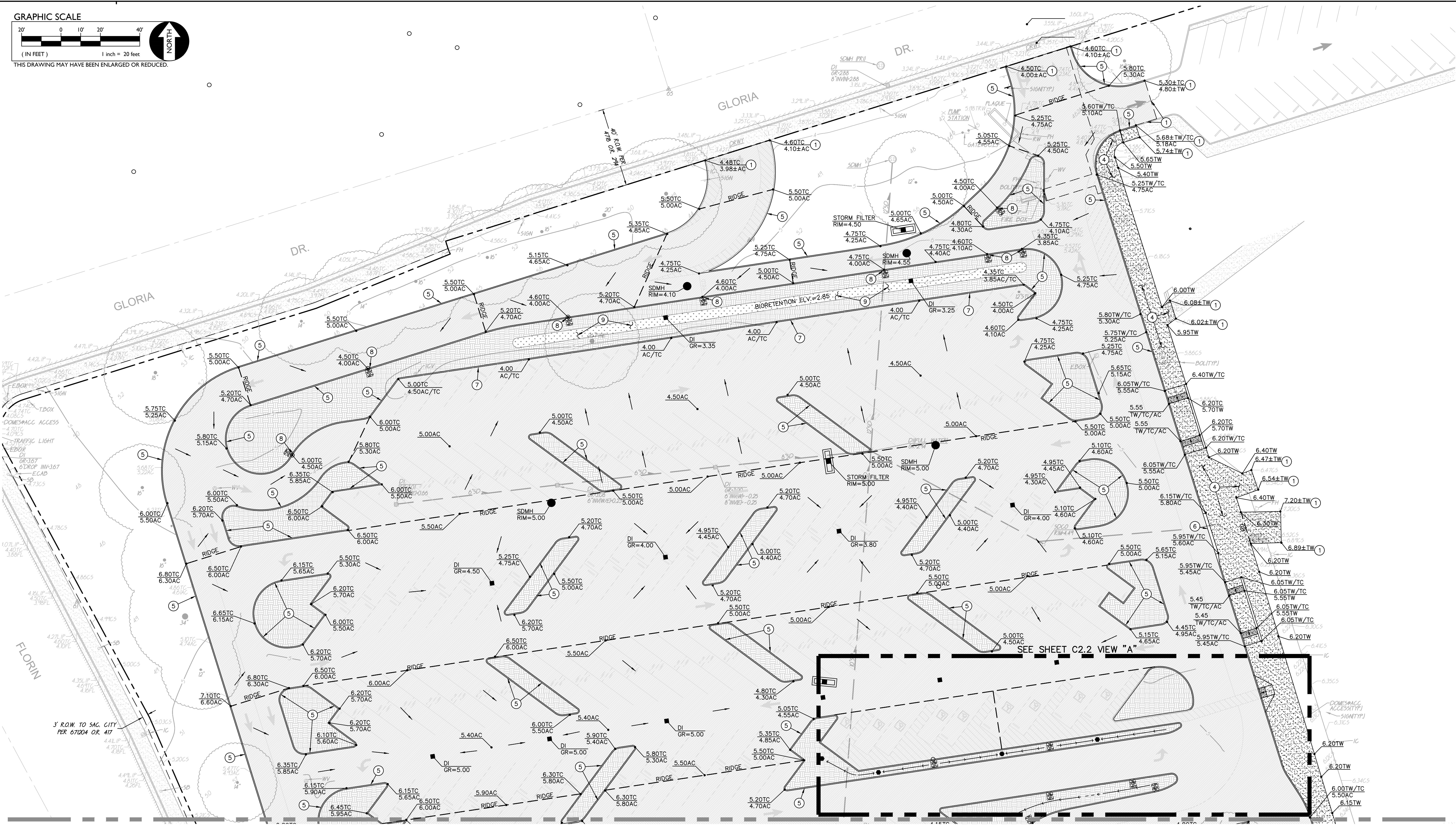
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C1.4



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MATCH LINE - SEE SHEET C2.2

MATCH LINE - SEE SHEET C2.2



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**JOHN F. KENNEDY HIGH SCHOOL
 PARKING LOT**
**SACRAMENTO CITY UNIFIED SCHOOL
 DISTRICT**

**GRADING
 PLAN**

- GRADING NOTES**
- NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET
1. MATCH EXISTING GRADE/ELEVATION.
 2. MATCH EXISTING FINISH FLOOR GRADE/ELEVATION.
 3. GRADE UNIFORMLY TOWARD SWALE AND/OR DRAIN.
 4. CONSTRUCT CONCRETE SIDEWALK PER
 5. CONSTRUCT CONCRETE CURB PER
 6. CONSTRUCT CONCRETE ROLLED CURB PER
 7. CONSTRUCT CONCRETE FLUSH CURB PER
 8. CONSTRUCT CURB OPENING PER
 9. CONSTRUCT BIO RETENTION PER
 10. CONSTRUCT SWALE.

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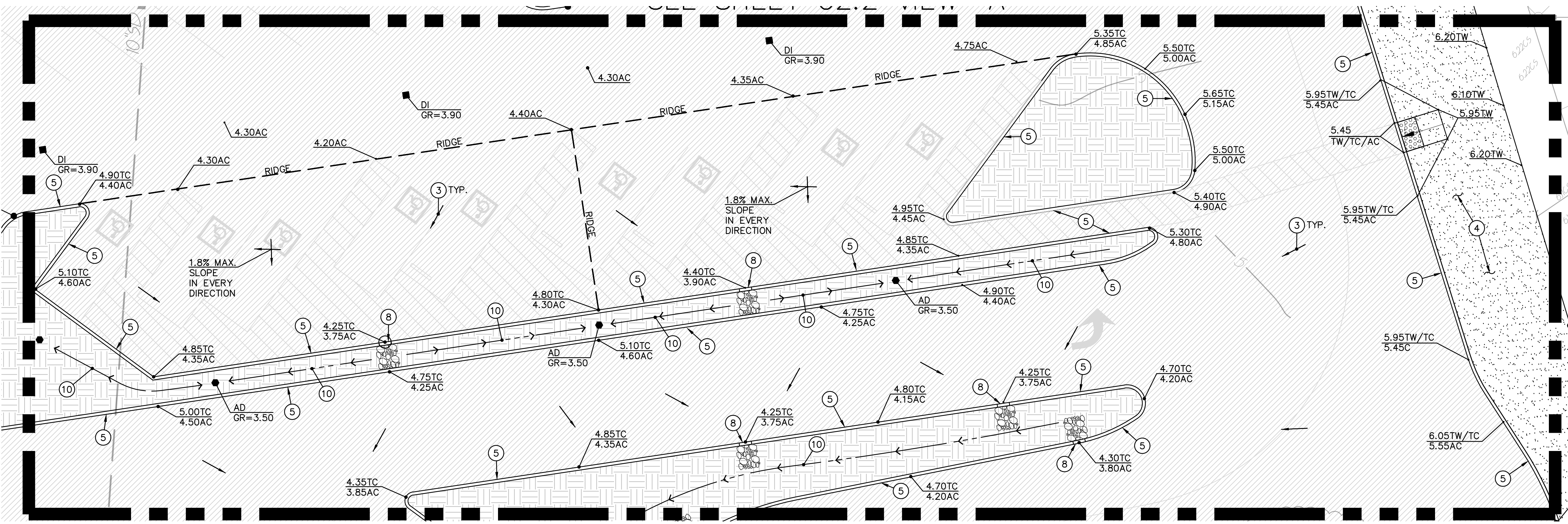
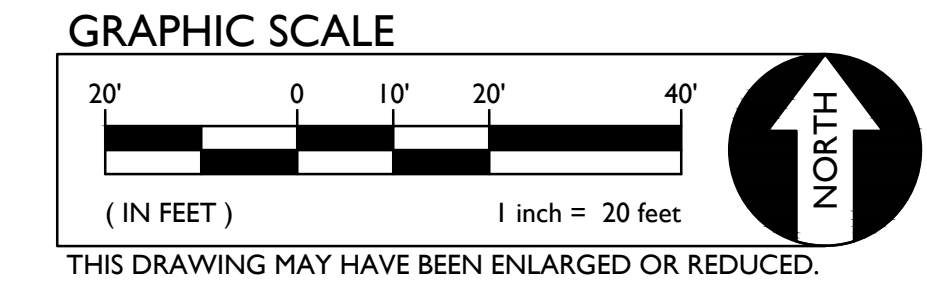
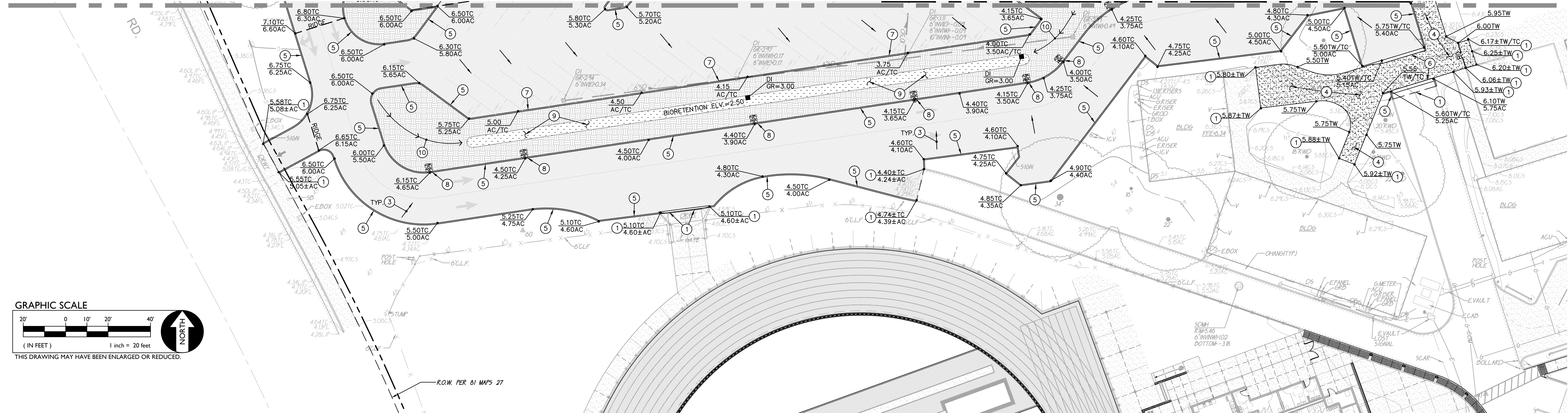
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C2.1

MATCH LINE - SEE SHEET C2.1

MATCH LINE - SEE SHEET C2.1

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VIEW "A"

- GRADING NOTES
- NOTE: NOT ALL OF THESE NOTES MAY BE USED ON THIS SHEET
1. MATCH EXISTING GRADE/ELEVATION.
 2. MATCH EXISTING FINISH FLOOR GRADE/ELEVATION.
 3. GRADE UNIFORMLY TOWARD SWALE AND/OR DRAIN.
 4. CONSTRUCT CONCRETE SIDEWALK PER (1) C6.1
 5. CONSTRUCT CONCRETE CURB PER (2) C6.1
 6. CONSTRUCT CONCRETE ROLLED CURB PER (3) C6.1
 7. CONSTRUCT CONCRETE FLUSH CURB PER (4) C6.1
 8. CONSTRUCT CURB OPENING PER (5) C6.1
 9. CONSTRUCT BIO RETENTION PER (6) C6.1
 10. CONSTRUCT SWALE.

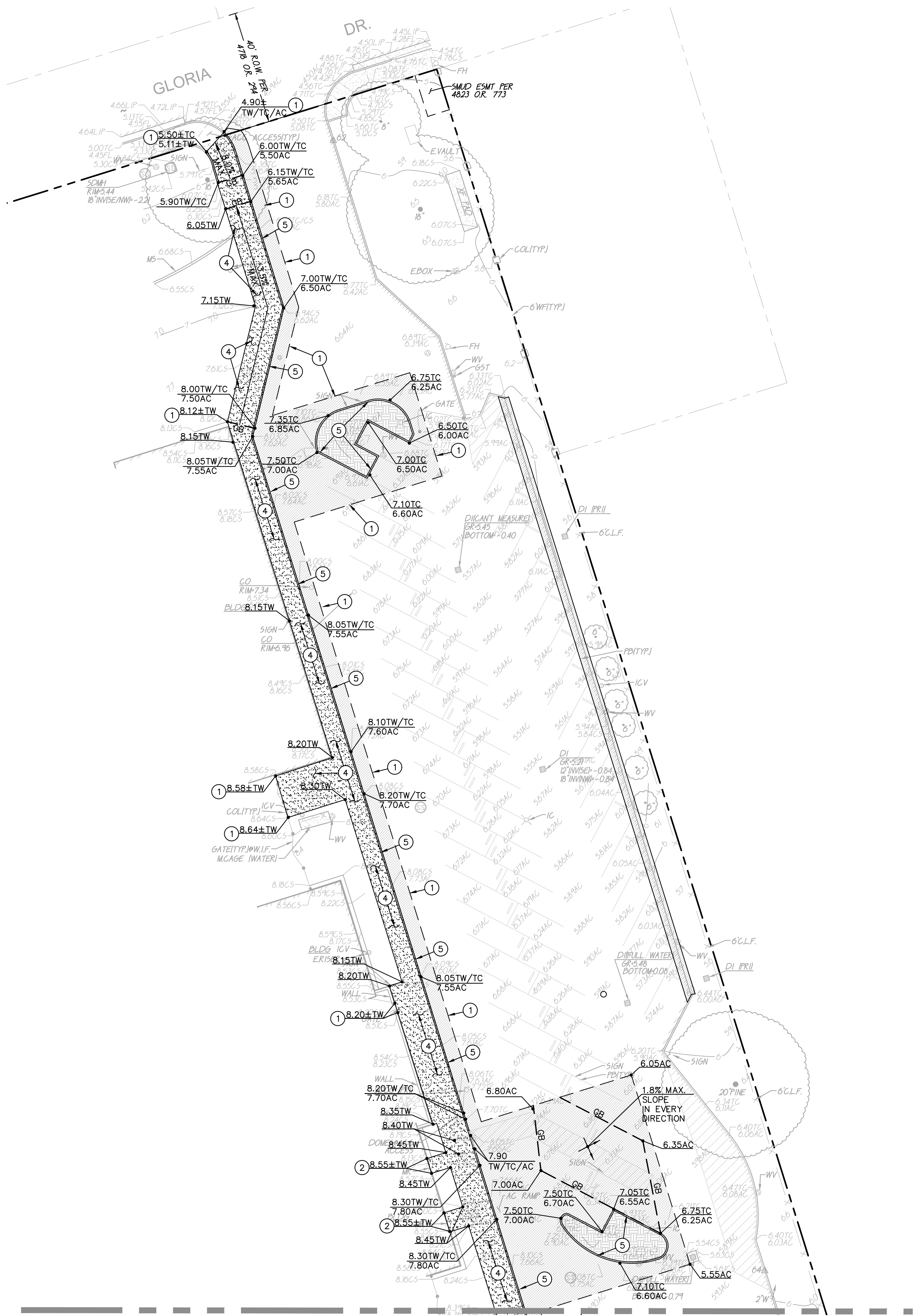


JOHN F. KENNEDY HIGH SCHOOL
PARKING LOT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

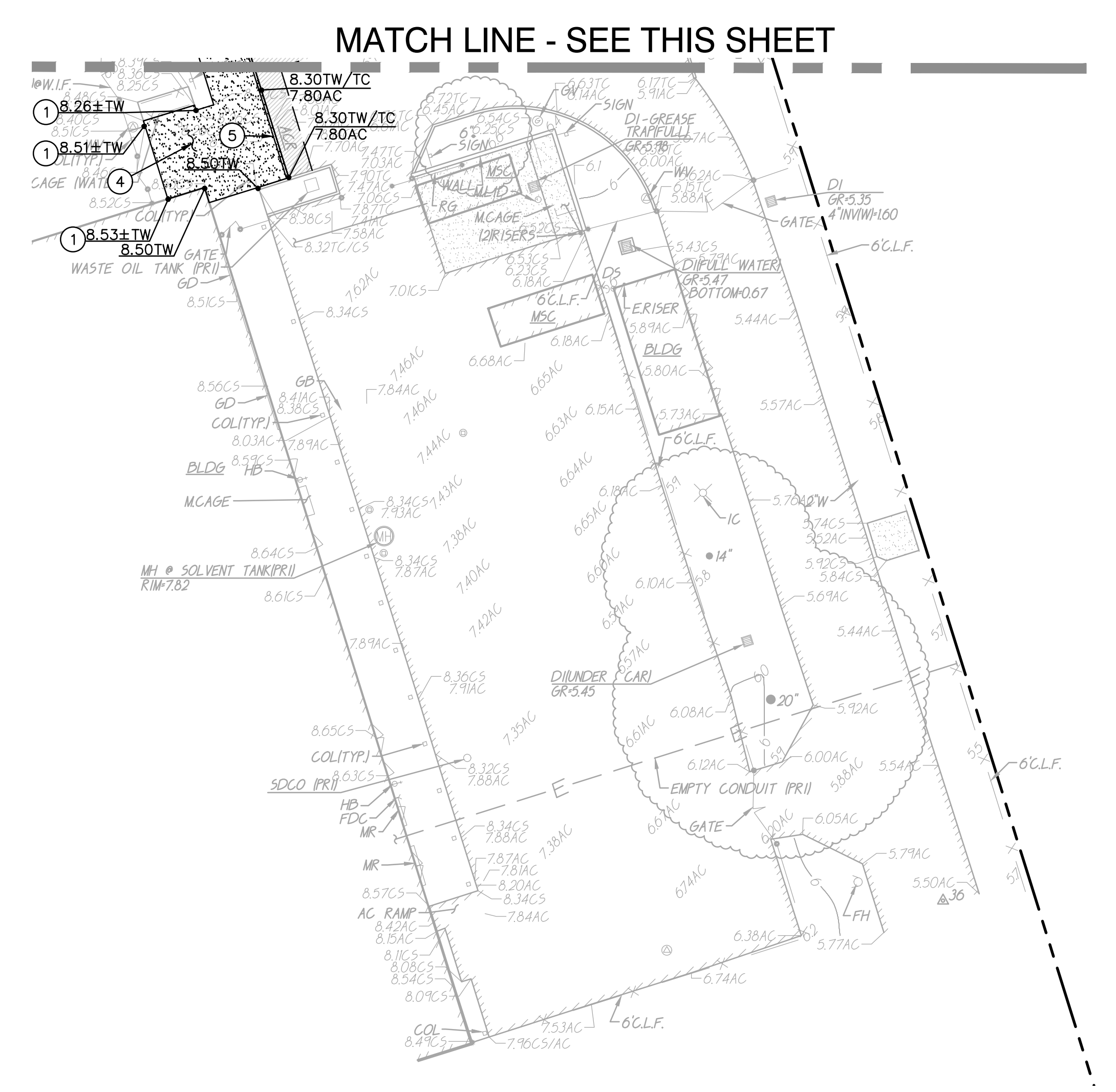
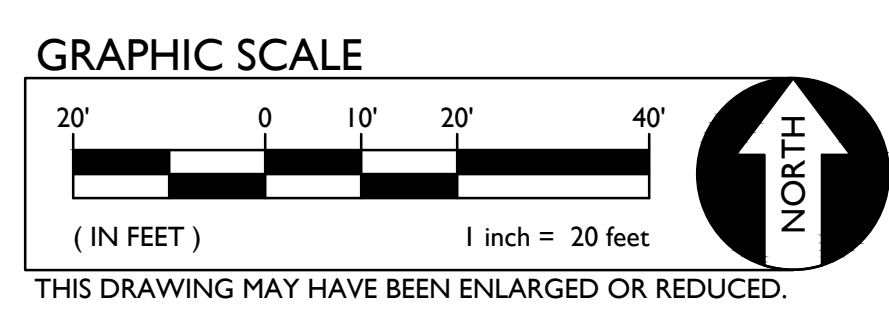
GRADING PLAN

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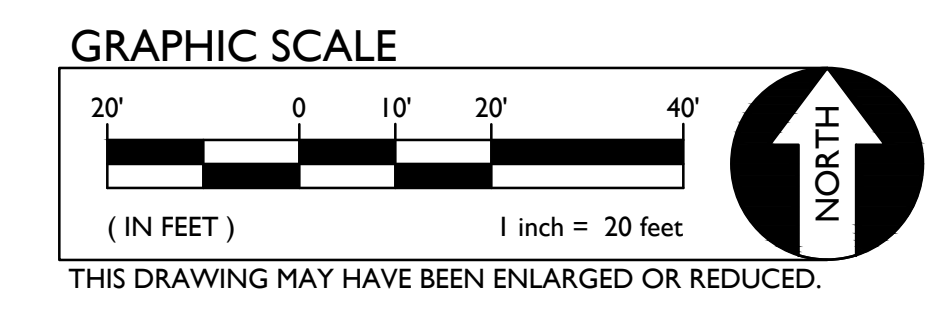
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SHEET



MATCH LINE - SEE THIS SHEET



MATCH LINE - SEE THIS SHEET



- GRADING NOTES**
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1. MATCH EXISTING GRADE/ELEVATION.
 2. MATCH EXISTING FINISH FLOOR GRADE/ELEVATION.
 3. GRADE UNIFORMLY TOWARD SWALE AND/OR DRAIN.
 4. CONSTRUCT CONCRETE SIDEWALK PER $\frac{1}{1}$ C6.1
 5. CONSTRUCT CONCRETE CURB PER $\frac{2}{2}$ C6.1
 6. CONSTRUCT CONCRETE ROLLED CURB PER $\frac{3}{3}$ C6.1
 7. CONSTRUCT CONCRETE FLUSH CURB PER $\frac{4}{4}$ C6.1
 8. CONSTRUCT CURB OPENING PER $\frac{5}{5}$ C6.1
 9. CONSTRUCT BIO RETENTION PER $\frac{6}{6}$ C6.1
 10. CONSTRUCT SWALE.

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**JOHN F. KENNEDY HIGH SCHOOL
PARKING LOT**

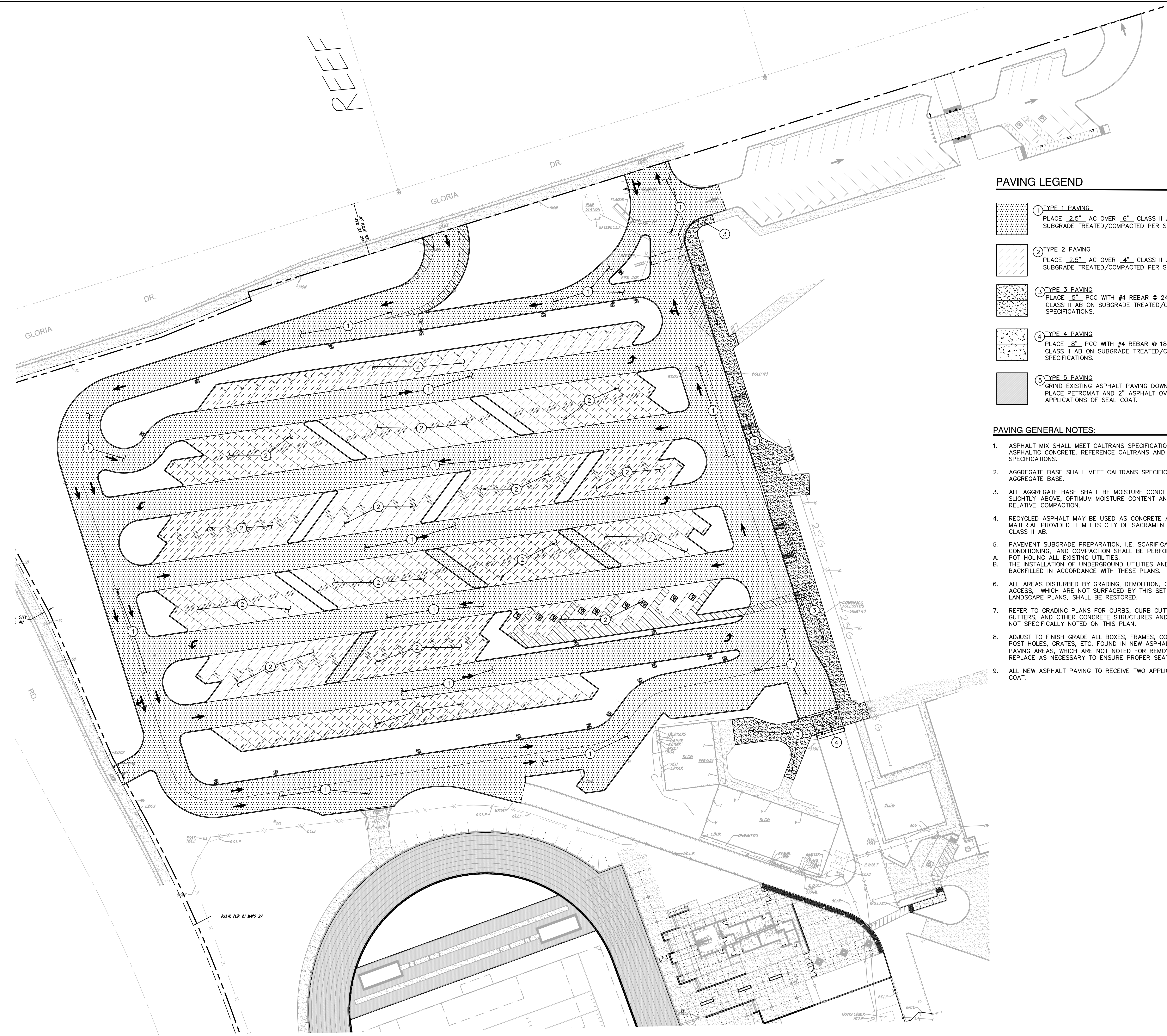
**SACRAMENTO CITY UNIFIED SCHOOL
DISTRICT**

**GRADING
PLAN**

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PROJECT NO. 22-XXXX
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C2.3



PAVING LEGEND

- ① **TYPE 1 PAVING.**
 PLACE .25" AC OVER .6" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS.
- ② **TYPE 2 PAVING.**
 PLACE .25" AC OVER .4" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS.
- ③ **TYPE 3 PAVING.**
 PLACE .5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 4" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS.
- ④ **TYPE 4 PAVING.**
 PLACE .5" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 6" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS.
- ⑤ **TYPE 5 PAVING.**
 GRIND EXISTING ASPHALT PAVING DOWN 2", CRACK FILL, PLACE PETROMAT AND 2" ASPHALT OVERLAY. PLACE 2 APPLICATIONS OF SEAL COAT.

PAVING GENERAL NOTES:

1. ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS AND PROJECT SPECIFICATIONS.
2. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
3. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
4. RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CITY OF SACRAMENTO SPECIFICATIONS FOR CLASS II AB.
5. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER:
 A. POT HOLING ALL EXISTING UTILITIES.
 B. THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
6. ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
7. REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
8. ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. CLEAN/OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
9. ALL NEW ASPHALT PAVING TO RECEIVE TWO APPLICATIONS OF SEAL COAT.



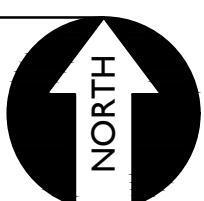
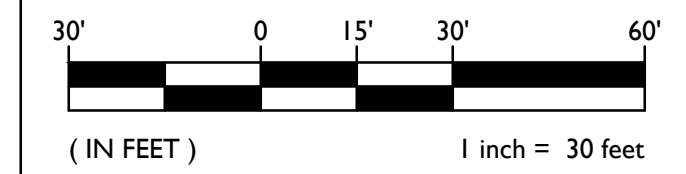
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 PARKING LOT**

**SACRAMENTO CITY UNIFIED SCHOOL
 DISTRICT**

**PAVING
 PLAN**

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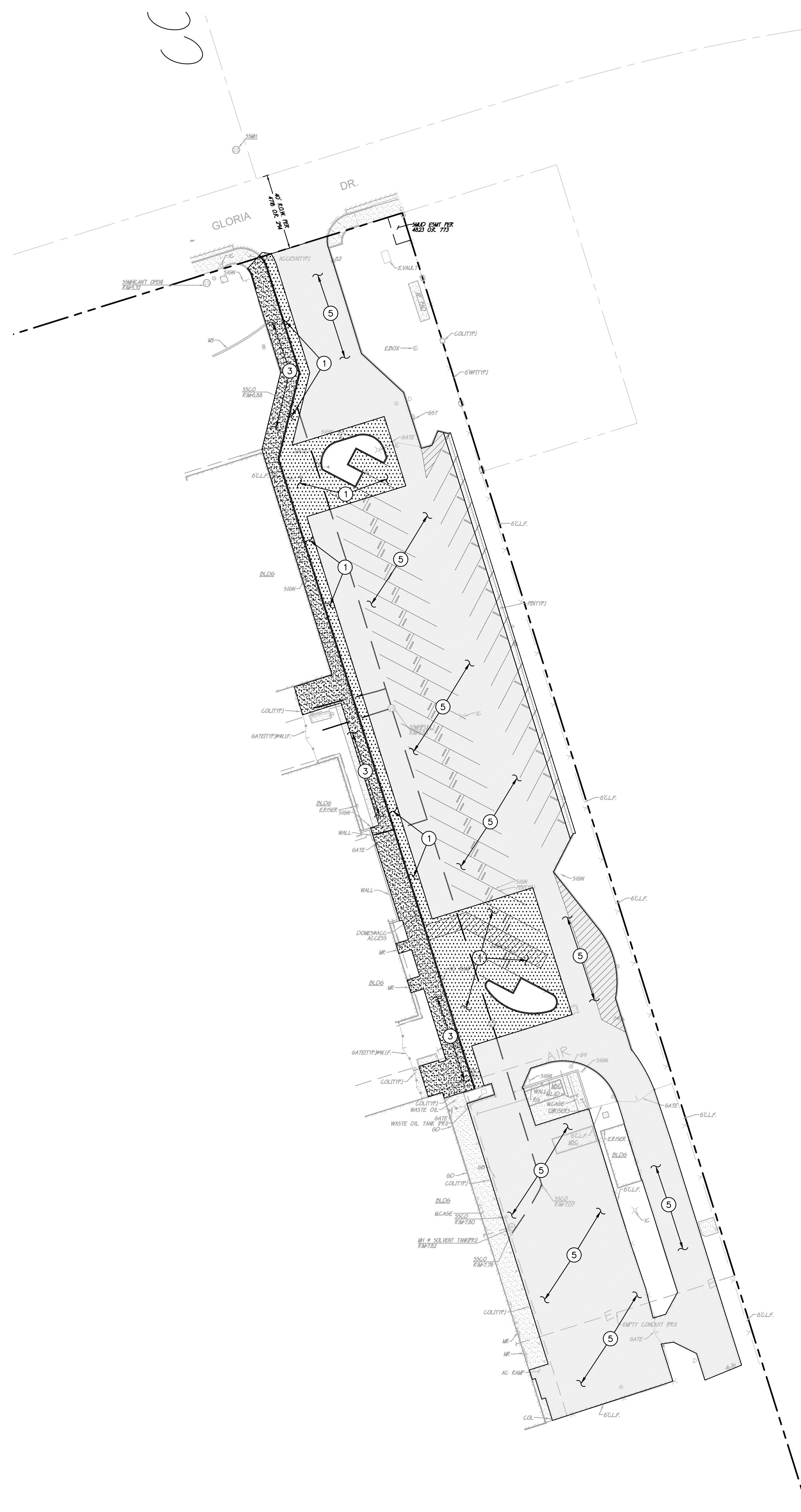
GRAPHIC SCALE



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PROJECT NO. 22-XXXX
 DATE: 12/20/22
 SHEET

C4.1



PAVING LEGEND

- 1 TYPE 1 PAVING
 PLACE .25" AC OVER .6" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS.
- 2 TYPE 2 PAVING
 PLACE .25" AC OVER .4" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS.
- 3 TYPE 3 PAVING
 PLACE .5" PCC WITH #4 REBAR @ 24" O.C.E.W. OVER 4" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS.
- 4 TYPE 4 PAVING
 PLACE .5" PCC WITH #4 REBAR @ 18" O.C.E.W. OVER 6" CLASS II AB ON SUBGRADE TREATED/COMPACTED PER SPECIFICATIONS.
- 5 TYPE 5 PAVING
 GRIND EXISTING ASPHALT PAVING DOWN 2", CRACK FILL, PLACE PETROMAT AND 2" ASPHALT OVERLAY. PLACE 2 APPLICATIONS OF SEAL COAT.

PAVING GENERAL NOTES:

1. ASPHALT MIX SHALL MEET CALTRANS SPECIFICATIONS FOR TYPE B ASPHALTIC CONCRETE. REFERENCE CALTRANS AND PROJECT SPECIFICATIONS.
2. AGGREGATE BASE SHALL MEET CALTRANS SPECIFICATIONS FOR CLASS II AGGREGATE BASE.
3. ALL AGGREGATE BASE SHALL BE MOISTURE CONDITIONED TO, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE CONTENT AND COMPACTED TO 95% RELATIVE COMPACTION.
4. RECYCLED ASPHALT MAY BE USED AS CONCRETE AND ASPHALT BASE MATERIAL PROVIDED IT MEETS CITY OF SACRAMENTO SPECIFICATIONS FOR CLASS II AB.
5. PAVEMENT SUBGRADE PREPARATION, I.E. SCARIFICATION, MOISTURE CONDITIONING, AND COMPACTION SHALL BE PERFORMED AFTER:
 A. POT HOLING ALL EXISTING UTILITIES.
 B. THE INSTALLATION OF UNDERGROUND UTILITIES AND TRENCHES BACKFILLED IN ACCORDANCE WITH THESE PLANS.
6. ALL AREAS DISTURBED BY GRADING, DEMOLITION, OR CONSTRUCTION ACCESS, WHICH ARE NOT SURFACED BY THIS SET OF PLANS, OR LANDSCAPE PLANS, SHALL BE RESTORED.
7. REFER TO GRADING PLANS FOR CURBS, CURB GUTTERS, VALLEY GUTTERS, AND OTHER CONCRETE STRUCTURES AND PAVING FEATURES NOT SPECIFICALLY NOTED ON THIS PLAN.
8. ADJUST TO FINISH GRADE ALL BOXES, FRAMES, COVERS SLEEVES, POST HOLES, GRATES, ETC. FOUND IN NEW ASPHALT OR CONCRETE PAVING AREAS, WHICH ARE NOT NOTED FOR REMOVAL. CLEAN/OR REPLACE AS NECESSARY TO ENSURE PROPER SEATING.
9. ALL NEW ASPHALT PAVING TO RECEIVE TWO APPLICATIONS OF SEAL COAT.



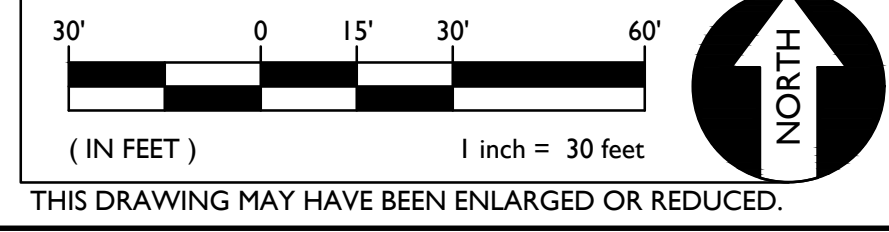
**JOHN F. KENNEDY HIGH SCHOOL
 PARKING LOT**

**SACRAMENTO CITY UNIFIED SCHOOL
 DISTRICT**

PAVING PLAN

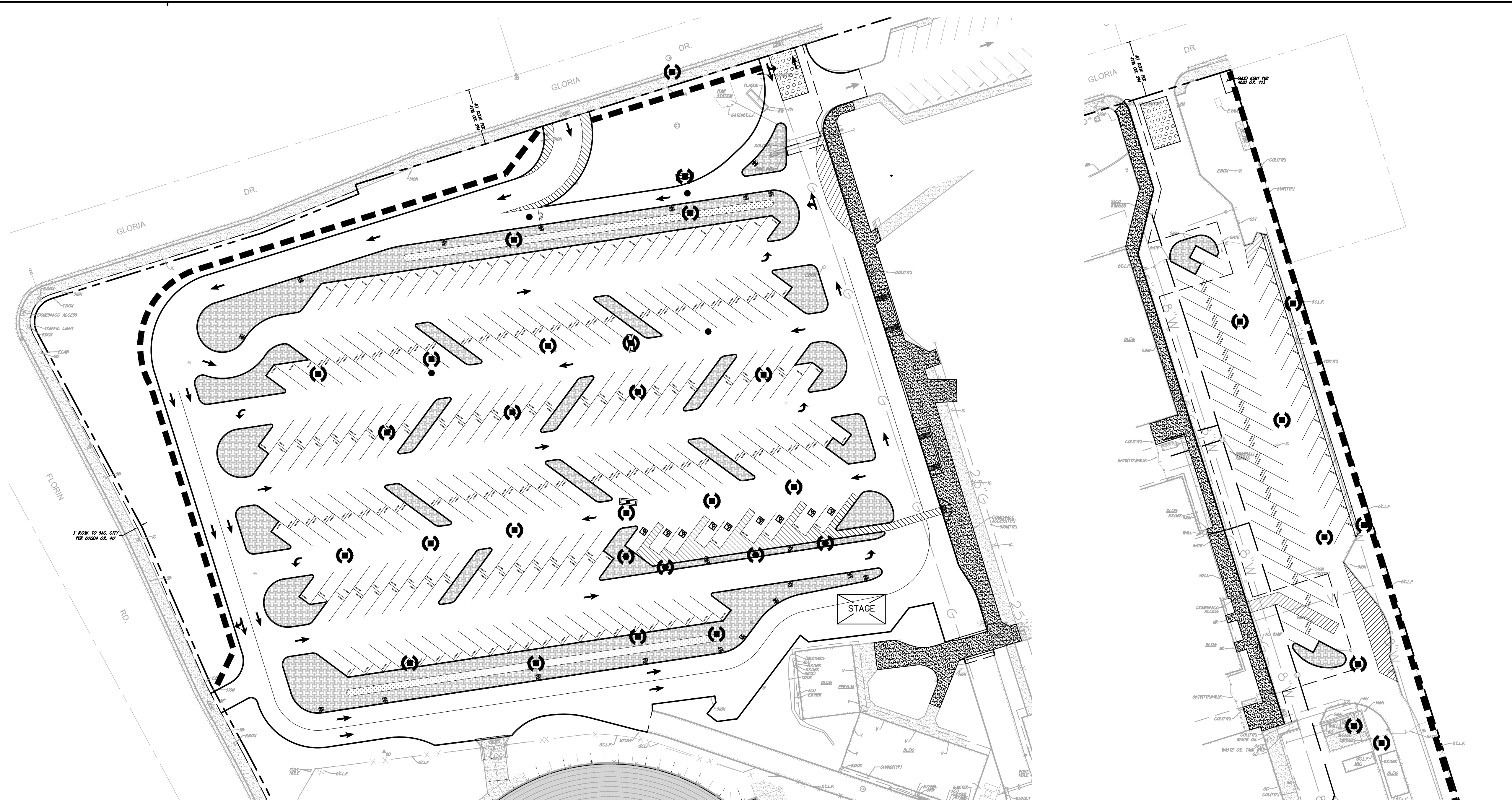
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EROSION AND SEDIMENT CONTROL GENERAL NOTES

- IF CERTAIN SOIL TYPES (E.G. COLLOIDAL SOILS) ARE DETECTED, THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL TREATMENT MEASURES PRIOR TO DISCHARGE.
- CONTRACTOR IS RESPONSIBLE FOR THE DEWATERING AND REMOVAL OF ALL TEMPORARY EROSION CONTROL DEVICES JUST PRIOR TO THE COMMENCING OF THE FINAL GRADING AND PAVING OPERATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THE SITE TO MINIMIZE DUST CREATED DURING CONSTRUCTION.
- PRIOR TO PLACEMENT OF HYDRO SEEDING, REMOVE TEMPORARY EROSION CONTROL MEASURES (STRAW WATTLE FENCE AND TRACKED LOOSE STRAW).
- CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR COMPLIANCE WITH STATE WATER RESOURCES CONTROL BOARD REQUIREMENTS.
- ALL MATERIALS STORED ON-SITE SHALL HAVE PROPER ENCLOSURES AND/OR COVERINGS.
- CONTRACTOR SHALL MAINTAIN ALL WATTLE OR SILT FENCES AND OTHER STORM WATER POLLUTION PREVENTION DEVICES THROUGHOUT CONSTRUCTION. CONTRACTOR SHALL INSPECT ALL EROSION CONTROL DEVICES WEEKLY AS WELL AS BEFORE, DURING, AND AFTER A STORM EVENT. CONTRACTOR SHALL REMOVE ALL EROSION CONTROL AND POLLUTION PREVENTION DEVICES AT THE END OF CONSTRUCTION AS REQUIRED. REFER TO SPECIFICATIONS AND ADDITIONAL REQUIREMENTS.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN CONSTRUCTION FENCING THROUGHOUT THE PROJECT. THIS FENCING SHALL DETER PEDESTRIANS AND NON-CONSTRUCTION RELATED PERSONNEL FROM ENTERING THE CONSTRUCTION SITE AREA TO THE GREATEST POSSIBLE EXTENT. THE CONTRACTOR SHALL COORDINATE THIS FENCING LAYOUT WITH SCHOOL DISTRICT PERSONNEL PRIOR TO ANY FENCING PLACEMENT SO AS TO NOT SIGNIFICANTLY INTERFERE WITH SCHOOL OPERATION.
- CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.
- CONTRACTOR SHALL ADEQUATELY PREVENT EXCESSIVE AMOUNTS OF MUD, SAND, DIRT, AND OTHER DEBRIS FROM BEING TRACKED ONTO THE STREET FROM CONSTRUCTION VEHICLE MOVEMENT. PROVIDE WASHING FACILITIES AT CONSTRUCTION ENTRANCE IF NECESSARY.

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APP: 02-120928 INC.
REVIEWED FOR
SS FLS ACS
DATE: 12/20/2022

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**JOHN F. KENNEDY HIGH SCHOOL
PARKING LOT**

**SACRAMENTO CITY UNIFIED SCHOOL
DISTRICT**

EROSION CONTROL PLAN

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SHEET **C5.1**

MONITORING SCHEDULE

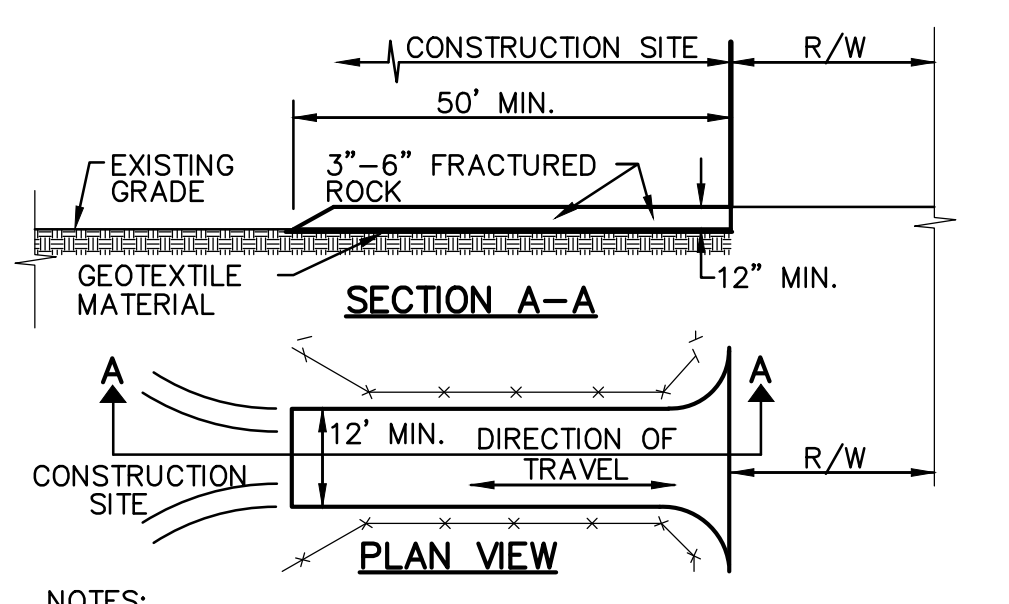
- WITHIN 2 BUSINESS DAYS (48 HOURS) PRIOR TO EACH QUALIFYING RAIN EVENT.
- EVERY 24 HOURS DURING A QUALIFYING RAIN EVENT.
- WITHIN 2 BUSINESS DAYS (48 HOURS) AFTER EACH QUALIFYING RAIN EVENT RESULTING IN 0.50 INCHES OF RAIN OR MORE.
- RECORD THE TIME, DATE AND RAIN GAUGE READING OF ALL QUALIFYING RAIN EVENTS.
- QUARTERLY NON-STORM WATER DISCHARGE INSPECTIONS.
- WEEKLY INSPECTIONS.

PROJECT INFORMATION

PARCEL AREA	41.90 ACRES
TOTAL DISTURBED AREA	6.97 ACRES
S.W.P.P.P. REQUIRED?	YES

PHASE OF CONSTRUCTION	EROSION AND SEDIMENT CONTROL MEASURES																
	WET SEASON							WET & DRY SEASON									
	HYDRO SEEDING	STRAW MULCHING TACTIFIER	SOIL BINDERS	PRESERVATION OF EXISTING VEGETATION	BLANKETS MATS & GEOTEXTILES	FIBER ROLLS	DUST CONTROL	OUTLET PROTECTION	SILT FENCING	SAND/GRAVEL BAG BARRIERS	STORM DRAIN INLET PROTECTION	SEDIMENT BASIN	SEDIMENT TRAP	DEWATERING	STABILIZED CONSTRUCTION ENTRANCE	MATERIAL & WASTE DISPOSAL LOCATION	CONCRETE WASHOUT
PRE-GRADING	X	X		X			X		N/A		N/A	N/A					
CUT-FILL ACTIVITIES	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X
UNDERGROUND WORK	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X
STORM IMPROVEMENTS	X	X	X	X	X	X	X	X		X	X		X	X	X	X	X
CURB AND GUTTER	N/A		X	X	X	X	X	X		X	X			X	X	X	X
STREET IMPROVEMENTS			X	X	X	X	X	X		X	X			X	X	X	X
PAVE OUT				X	X	X	X	X		X	X				X	X	X
POST CONSTRUCTION			X	X	X												
MAINTENANCE SCHEDULE																	
DAILY*																	
WEEKLY*		X	X		X	X	X	X		X	X				X	X	X
MONTHLY*																	
BEFORE RAIN	X	X		X	X	X	X	X		X	X						
DURING RAIN	X	X		X	X	X	X	X		X	X						
AFTER RAIN	X	X		X	X	X	X	X		X	X						
AS NEEDED				X		X								X			

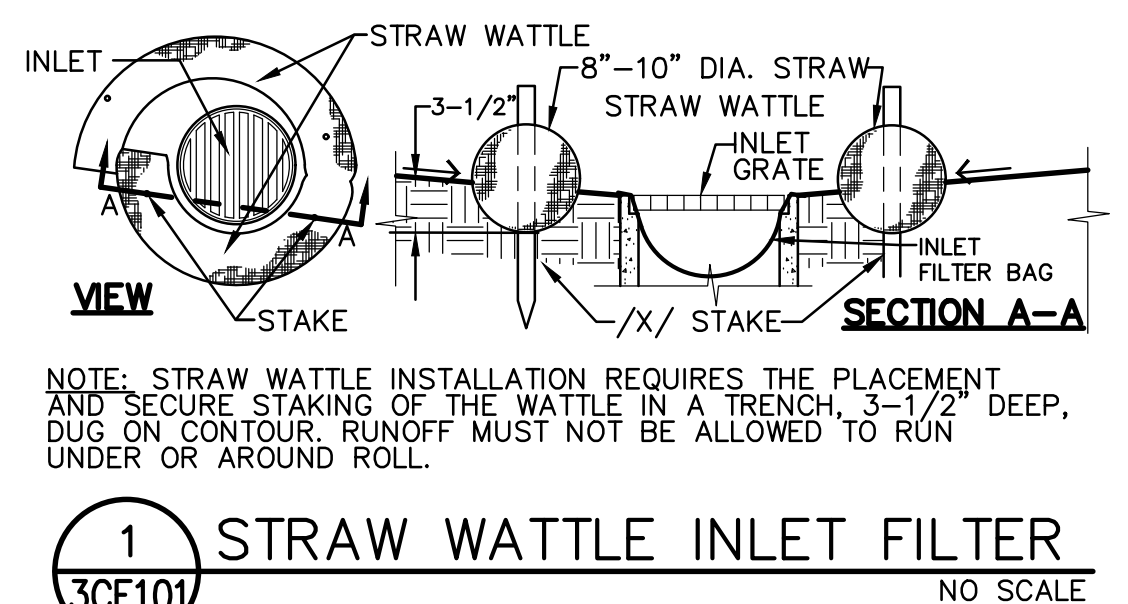
* = WHEN RAIN EVENT INSPECTIONS OCCURS, THEY MAY QUALIFY AS A DAILY, WEEKLY, OR MONTHLY INSPECTION AS APPLIES.



3
3CE101

STABILIZED CONSTRUCTION SITE ACCESS
NO SCALE

NOTES:
1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED TO SECTION 26 OF STATE SPECIFICATIONS PLACED OVER GEOTEXTILE MATERIAL. ROCK SHALL BE PLACED TO A MINIMUM THICKNESS OF SIX INCHES. THE METHOD OF PLACING, SPREADING AND COMPACTING ROCK SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
2. LENGTH OF SITE ACCESS SHALL BE A MINIMUM LENGTH OF FIFTY FEET. WIDTH SHALL BE A MINIMUM WIDTH OF TWELVE FEET OR AS NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS.
3. THE SITE ACCESS SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING.



1
3CE101

STRAW WATTLE INLET FILTER
NO SCALE

NOTE: STRAW WATTLE INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE WATTLE IN A TRENCH, 3-1/2" DEEP. DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

2
3CE101

STRAW ROLLS
NO SCALE

NOTE: STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3-5" DEEP. DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

ANY CHANGES MADE TO THE SWPPP IN THE FIELD MUST BE SHOWN ON THE MAP. UPDATE MAP TO REFLECT CHANGES.

MAINTENANCE/REPAIRS OF BMP FAILURE SHALL BEGIN WITHIN 72 HOURS OF IDENTIFICATION AND CHANGES SHALL BE COMPLETED PRIOR TO THE NEXT RAIN EVENT.

STORM DRAINAGE OUTFALL BMP'S REFER TO PROTECT CONSTRUCTION PLAN DETAILS FOR SPECIFIC POST CONSTRUCTION BMP MEASURES AT OUTFALL STRUCTURES.

SEDIMENT AND EROSION CONTROL MEASURES ON SWPPP MAP ARE MINIMUM BMP'S RECOMMENDED FOR COMPLIANCE. CONSTRUCTION SITE MUST BE MONITORED AND BMP'S SHALL BE MODIFIED DEPENDING ON CONSTRUCTION SCHEDULE AND RAIN EVENTS.

ADD TO MAP AS LOCATED IN THE FIELD

- CONSTRUCTION TRAILER.
- VEHICLE/EQUIPMENT MAINTENANCE AND FUELING AREA.
- COVERED WASTE STORAGE (DUMPSTERS).
- STAGING AREA
- MATERIAL STORAGE
- SOIL STOCKPILES.
- CONCRETE WASHOUT.

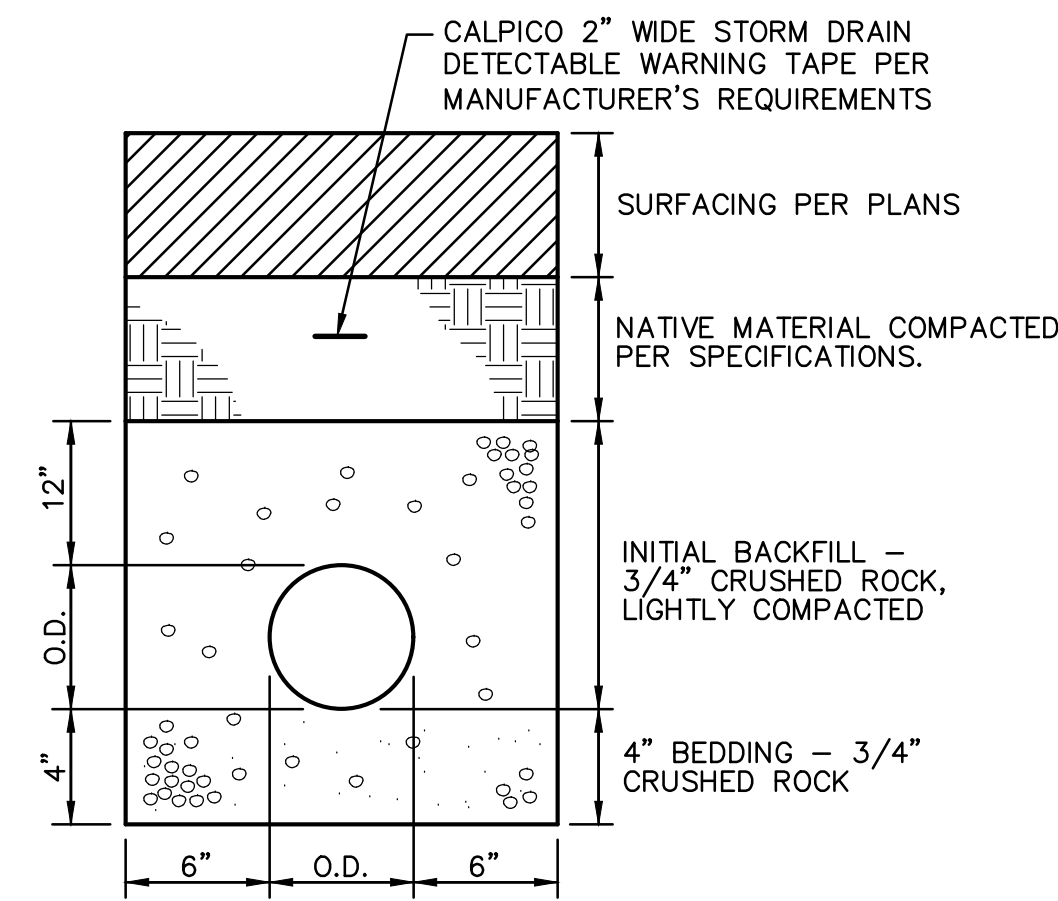
GRAPHIC SCALE

40' 0 20' 40' 80'

(IN FEET) 1 inch = 40 feet

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NORTH

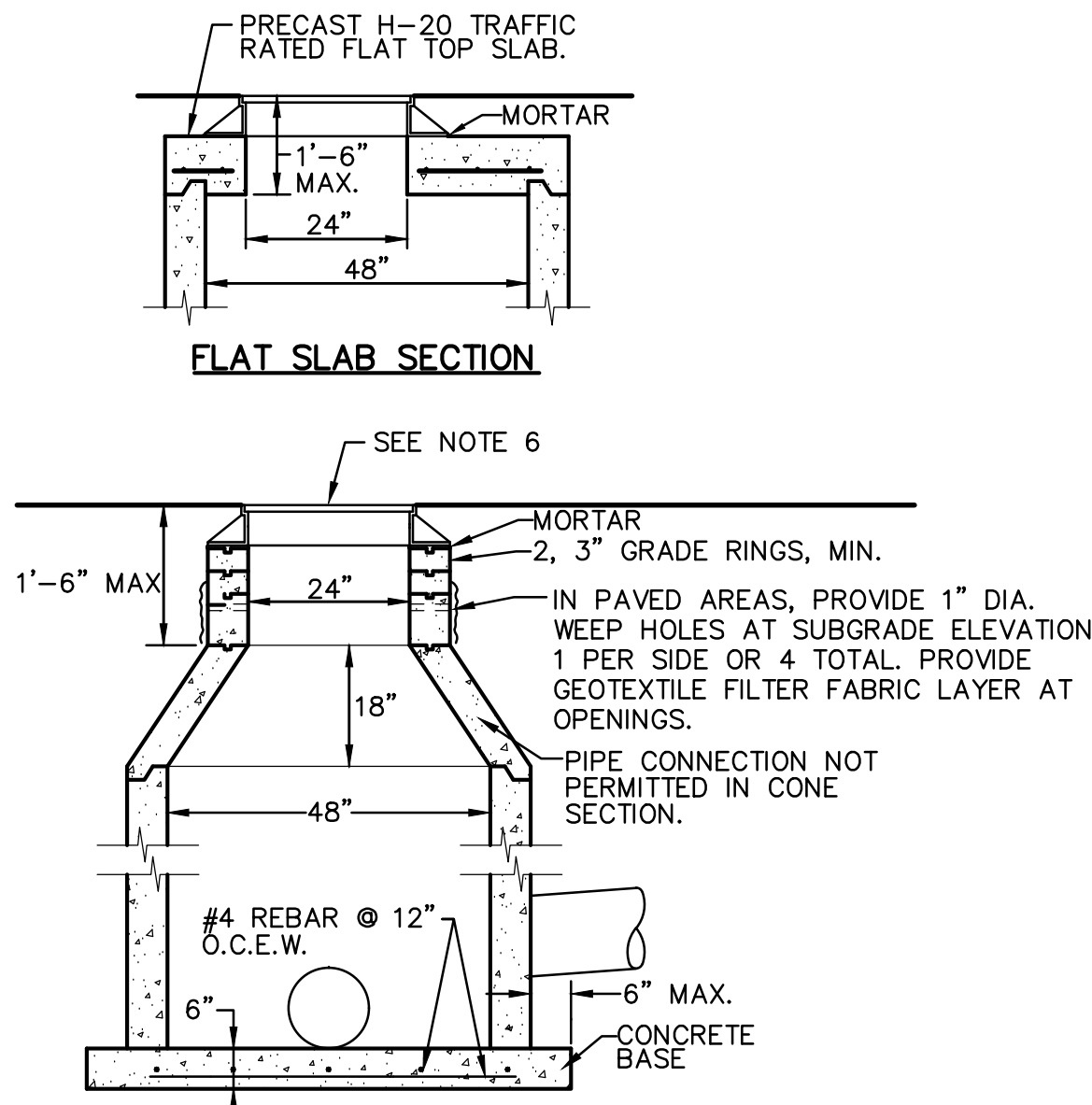


11 STORM DRAIN TRENCH
C6.1 NO SCALE

30 INCHES MAXIMUM

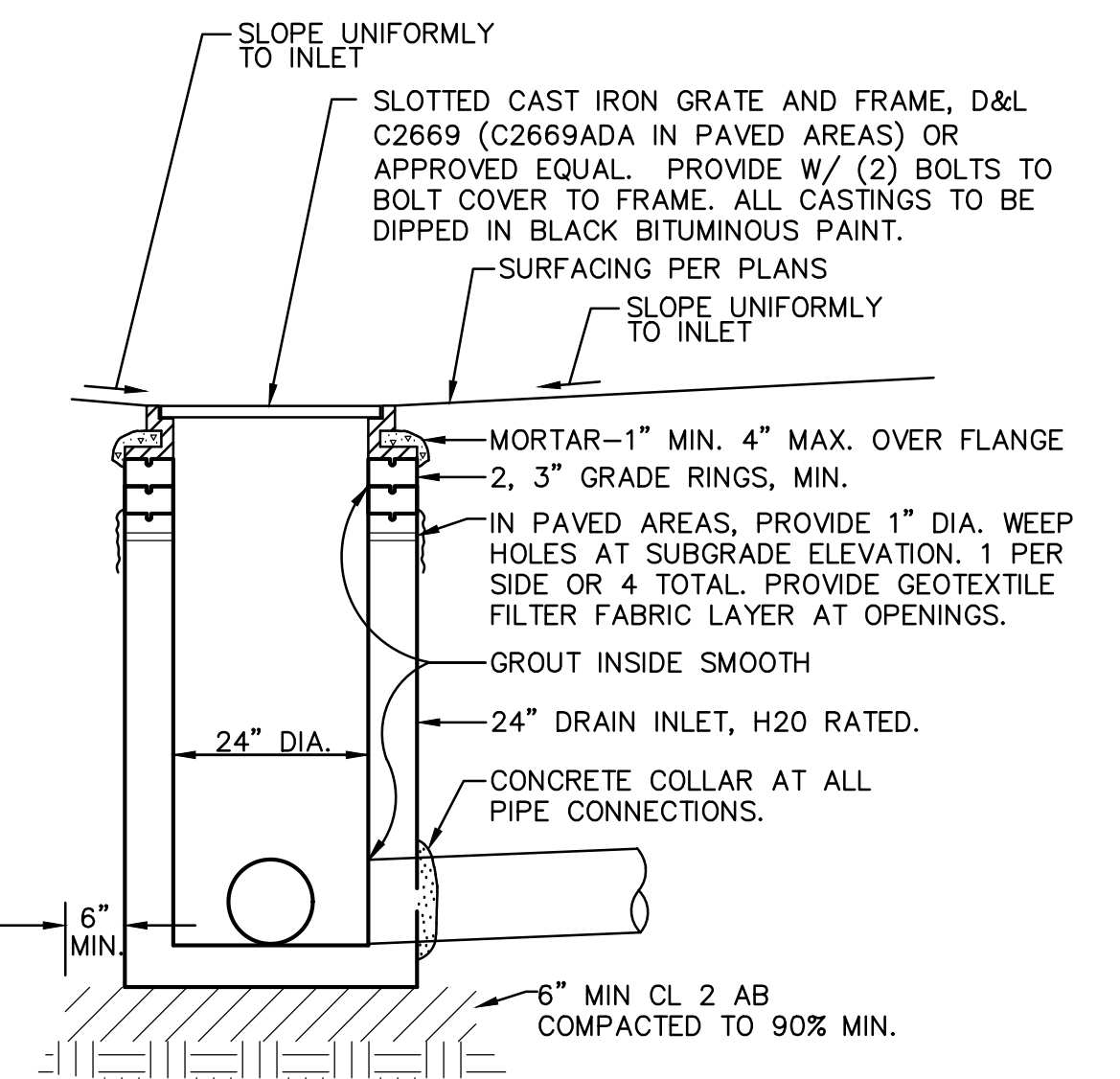
**NO DUMPING!
FLOWS TO CREEK**

12 STORMWATER STAMP/PLAQUE
C6.1 OTHER STYLES OK WITH APPROVAL NO SCALE

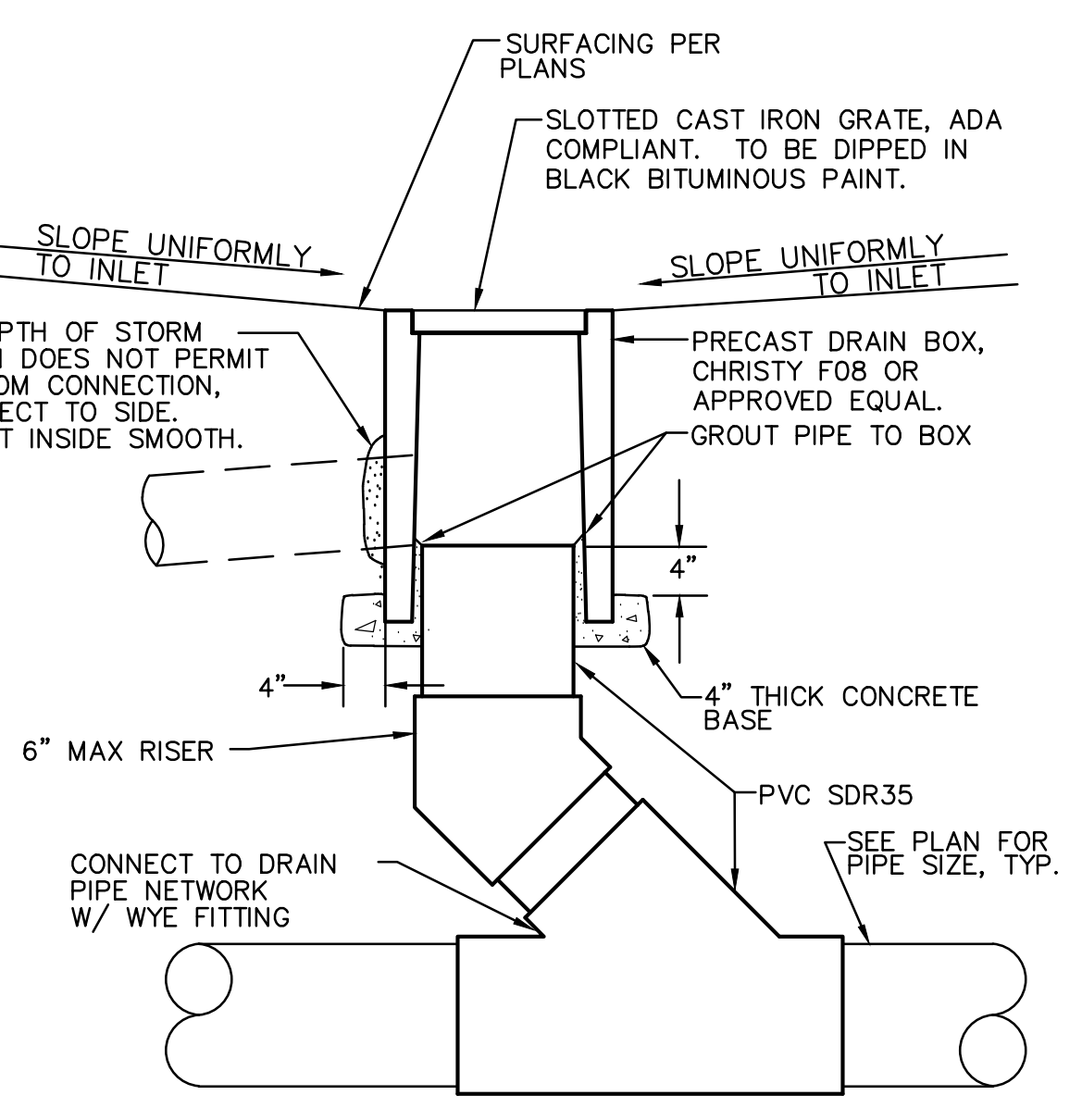


- NOTES:
- RISER SECTIONS, CONES, AND ADJUSTING RING SHALL CONFORM TO ASTM DESIGNATION C-478.
 - FRAME SHALL BE SECURED TO RISER OR FLAT SLAB TOP WITH CEMENT MORTAR.
 - THE CONTRACTOR MAY AT HIS OPTION, CAST THE LOWER PORTION OF MANHOLE IN PLACE. THE CAST-IN-PLACE PORTION SHALL NOT BE PLACED HIGHER THAN 6 INCHES ABOVE THE OUTSIDE TOPS OF THE MAIN INCOMING AND OUTGOING PIPES.
 - ALL JOINTS SHALL BE SEALED WITH GROUT AND INSIDE OF MANHOLE SHALL BE GROUTED SMOOTH.
 - FLAT SLAB SHALL BE USED WHEN DEPTH DOES NOT PERMIT USE OF TAPER UNIT. FLAT TOP SLAB TO BE TRAFFIC RATED.
 - SLOTTED CAST IRON GRATE AND FRAME SHALL BE D&L C2669 (C2669ADA IN PAVED AREAS) OR APPROVED EQUAL. PROVIDE W/ (2) BOLTS TO BOLT COVER TO FRAME. ALL CASTINGS TO BE DIPPED IN BLACK BITUMINOUS PAINT.

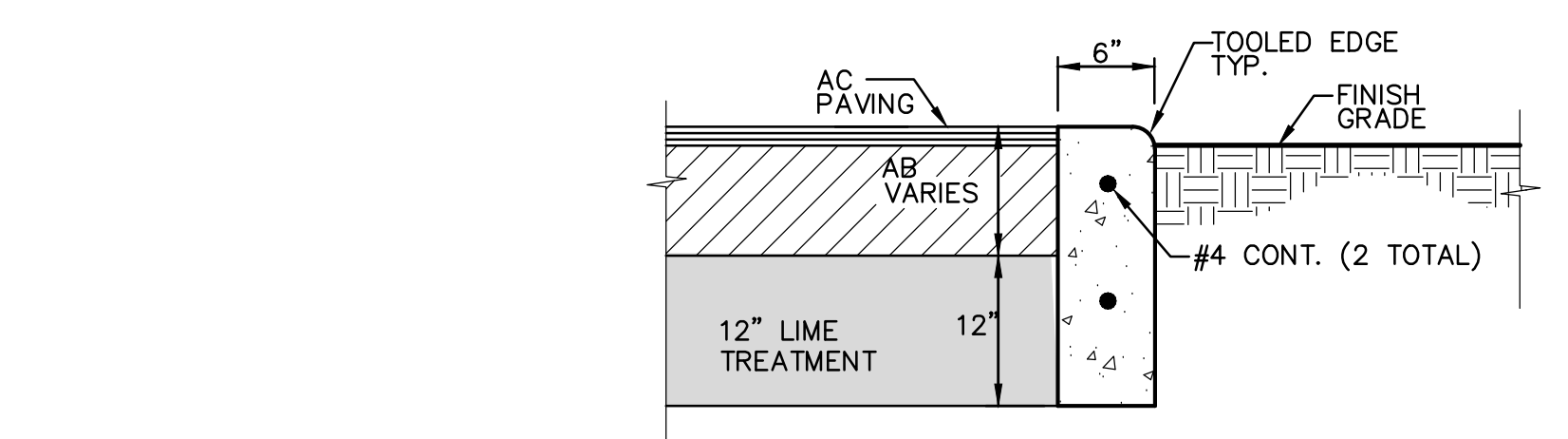
8 STORM DRAIN MANHOLE
C6.1 NO SCALE



9 DROP INLET
C6.1 NO SCALE

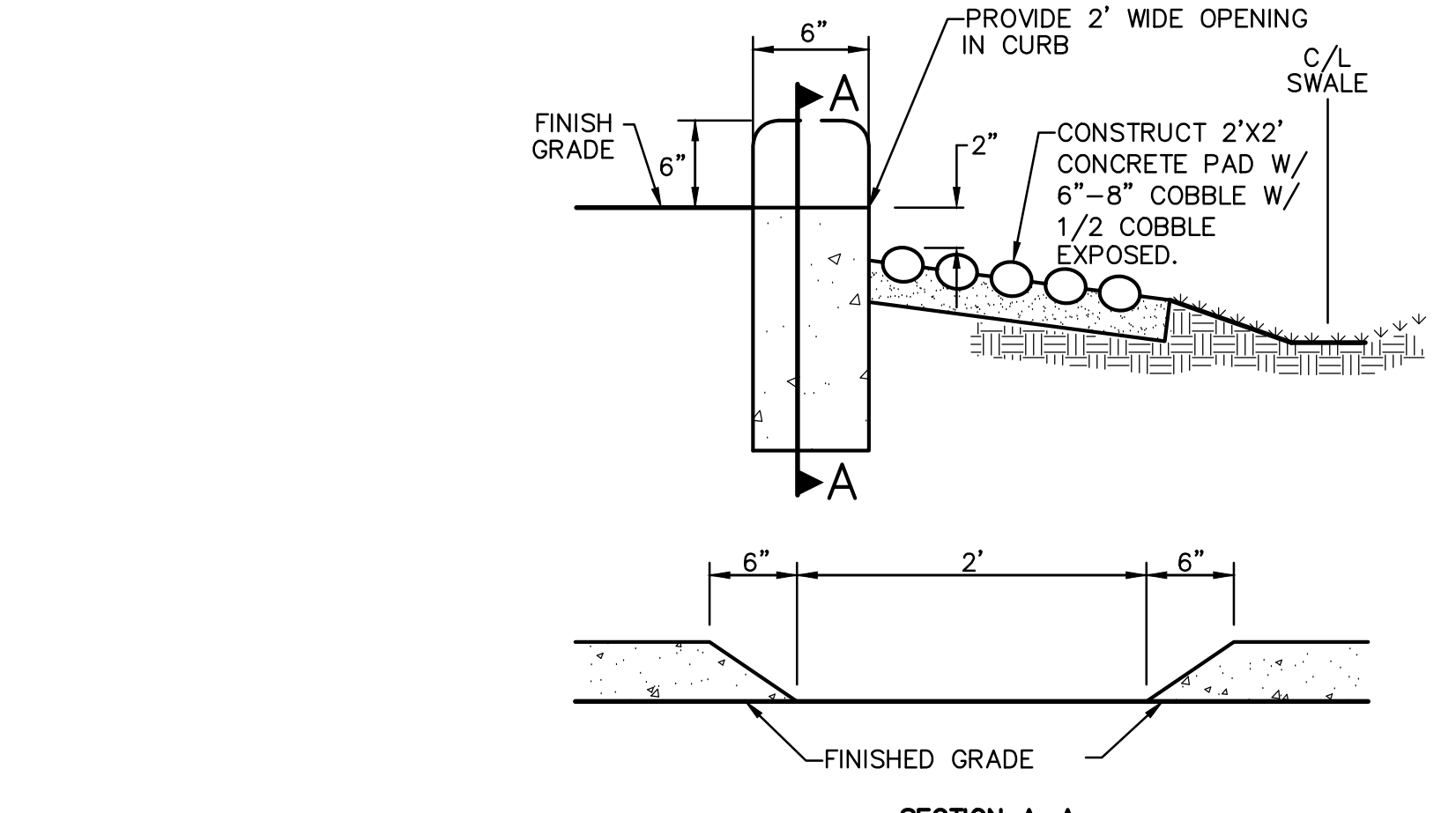


10 AREA DRAIN
C6.1 NO SCALE

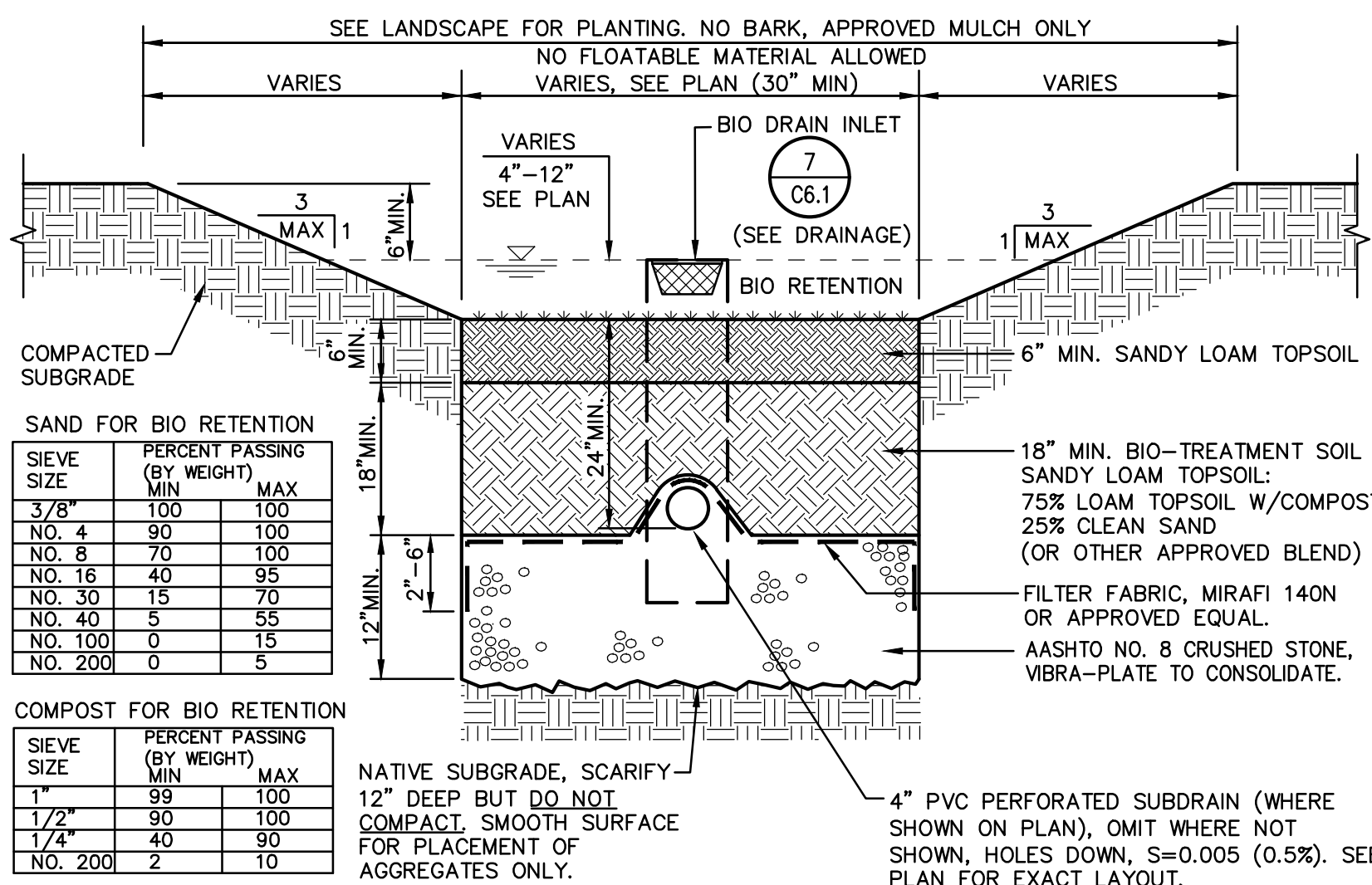


- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C., EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

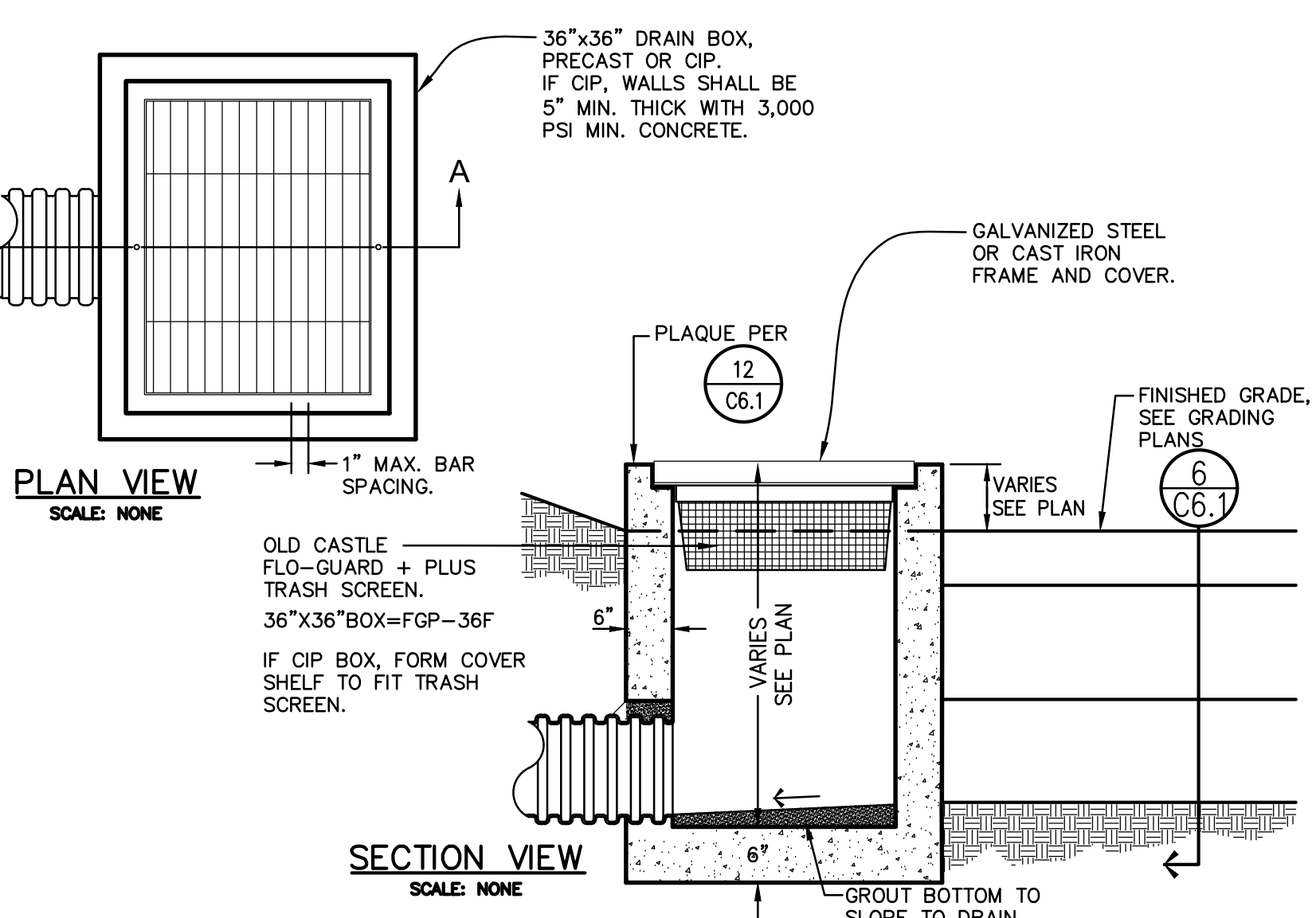
4 FLUSH CONCRETE CURB
C6.1 NO SCALE



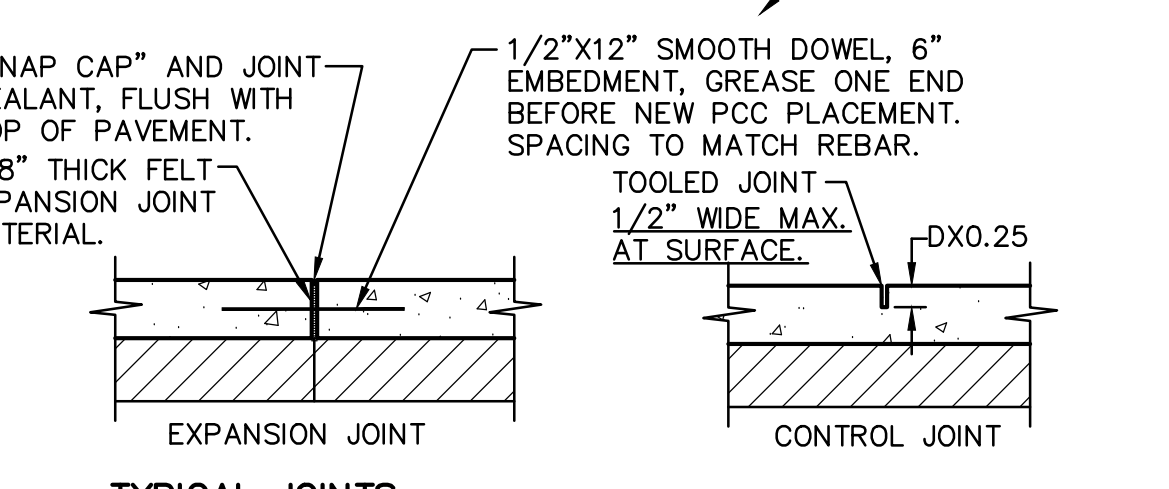
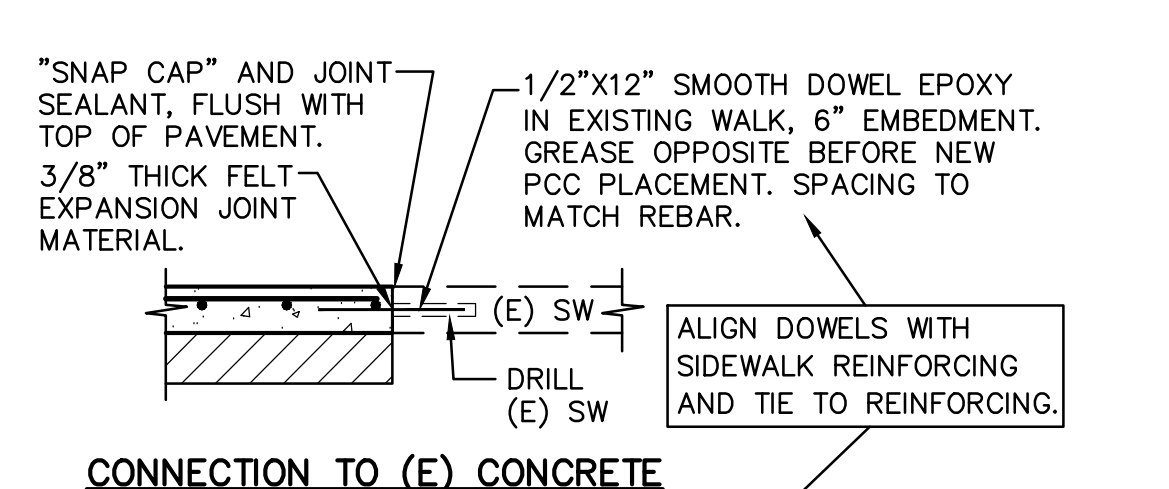
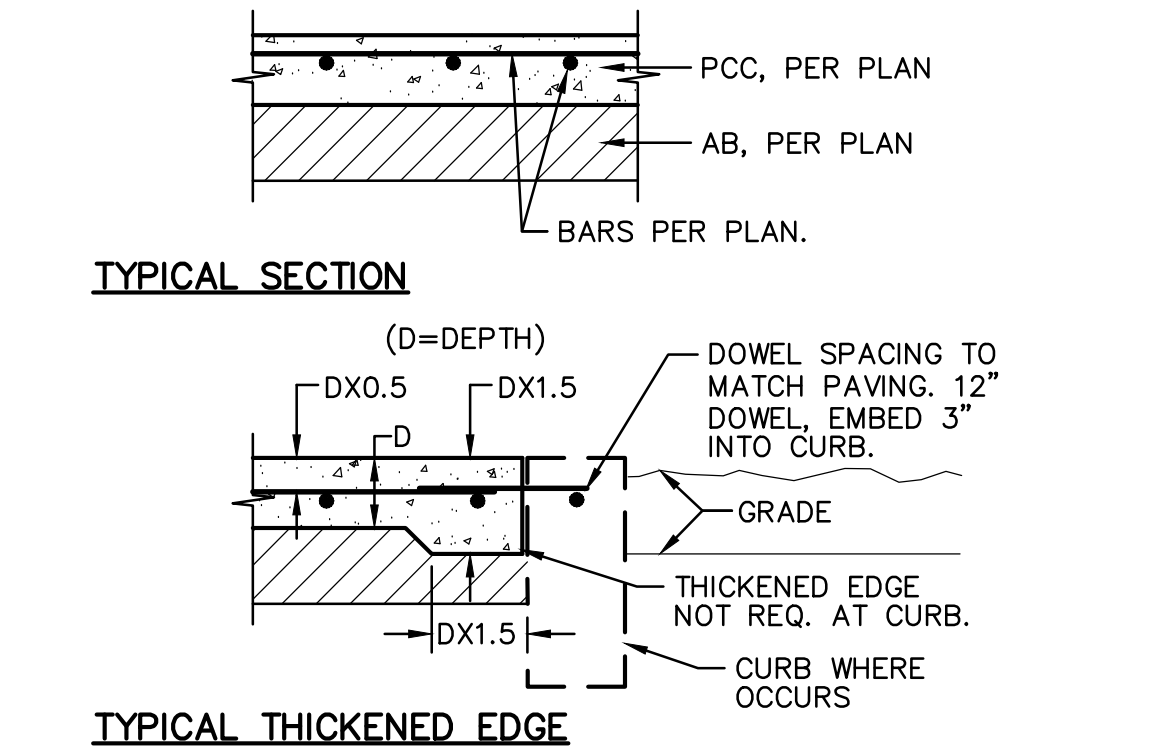
5 SLOTTED CURB DETAIL
C6.1 NO SCALE



6 BIO RETENTION CROSS SECTION
C6.1 NO SCALE

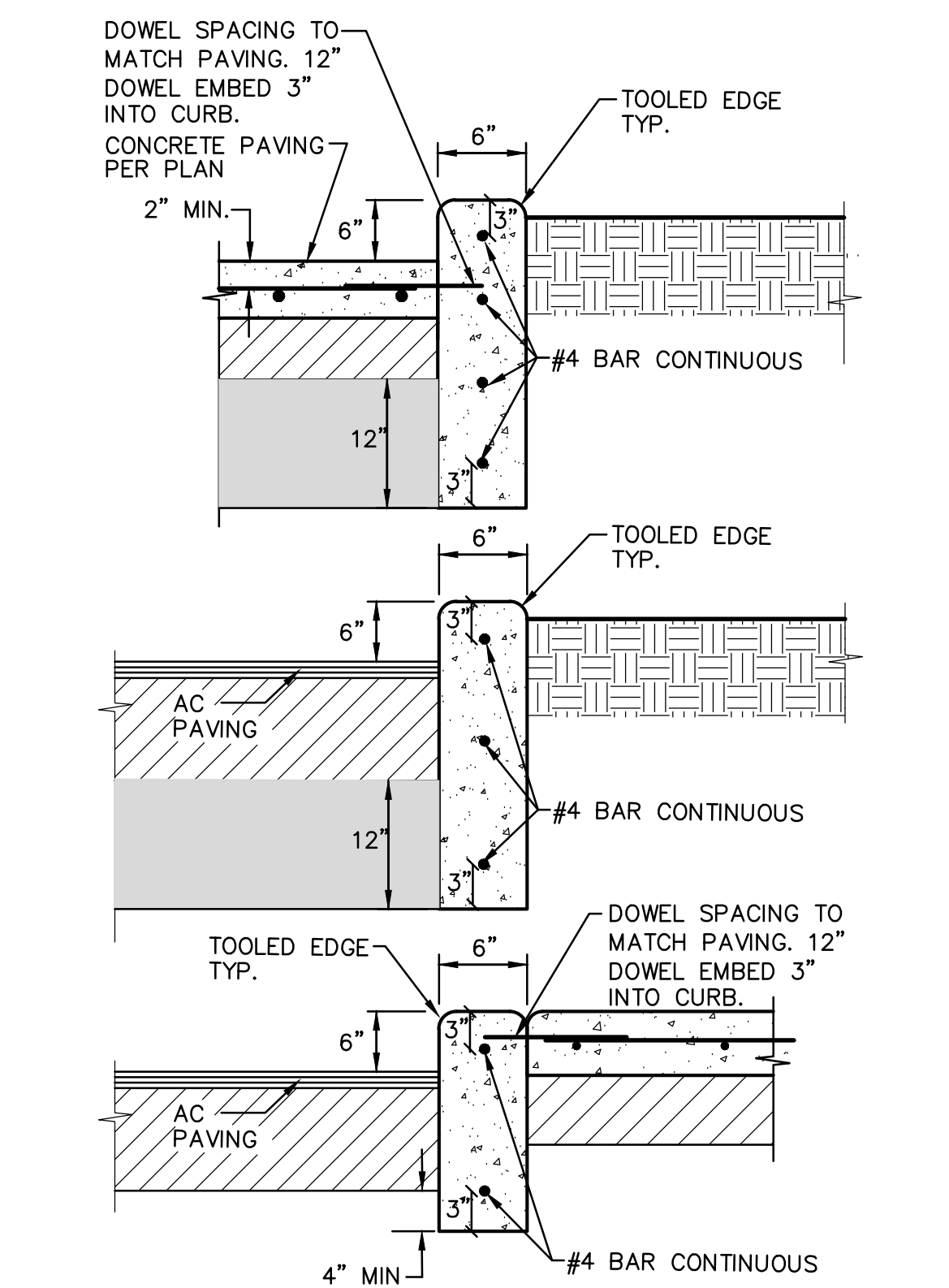


7 BIO-RETENTION INLET - TYPE 1
C6.1 NO SCALE



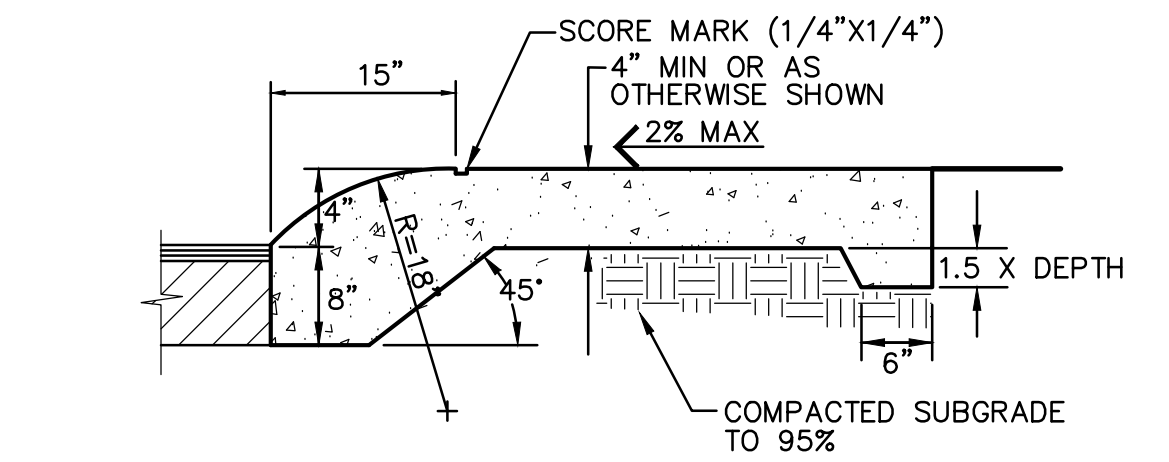
- NOTES:
- PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
 - PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAX. SEE PLAN FOR LAYOUT.
 - EXPANSION OR CONTROL JOINTS SHALL NOT EXCEED 1/2" IN SURFACE WIDTH.

1 CONCRETE SIDEWALK
C6.1 NO SCALE



- NOTES:
- PROVIDE FELT EXPANSION JOINTS (E.J.) AT 60 FEET O.C. MAXIMUM PROVIDE CONTROL JOINTS AT 10 FEET O.C. MAXIMUM, EXCEPT WHEN PLACING ADJACENT TO CONCRETE WALKS THE EXPANSION JOINTS SHALL ALIGN WITH THE EXPANSION JOINTS SHOWN FOR THE CONCRETE WALKS.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, ALIGN WITH REBAR, GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

2 CONCRETE CURB
C6.1 NO SCALE



- NOTES:
- PROVIDE FELT EXPANSION JOINTS AT 20 FEET O.C. PROVIDE CONTROL JOINTS AT 10 FEET O.C.
 - AT E.J. USE 1/2"x24" SMOOTH DOWELS, 18" O.C. GREASE 1/2 THE LENGTH BEFORE CONCRETE PLACEMENT.

3 ROLLED CURB AND SIDEWALK
C6.1 NO SCALE

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DATE: 12/20/2022

REGISTERED PROFESSIONAL ENGINEER
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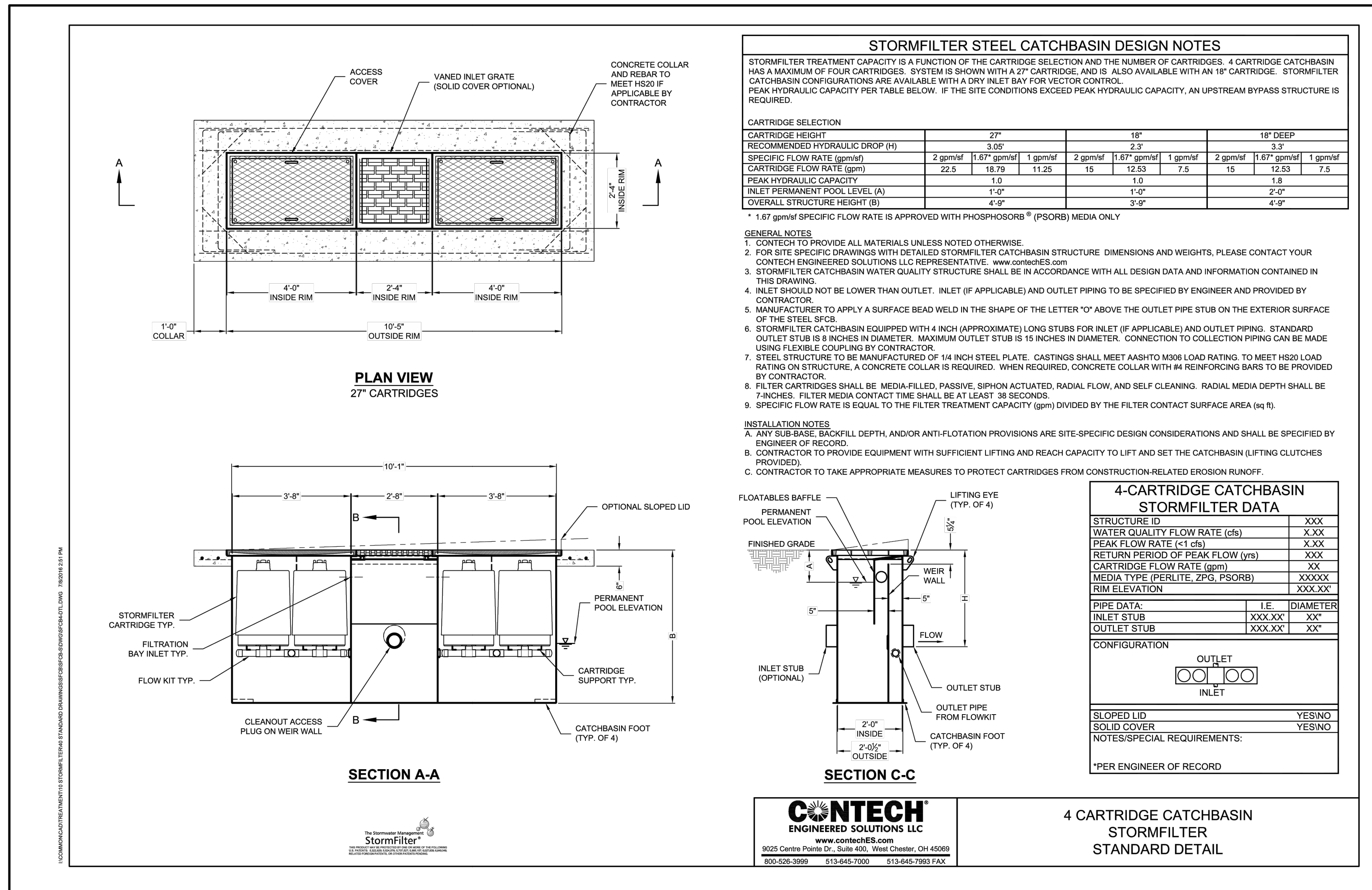
JOHN F. KENNEDY HIGH SCHOOL
PARKING LOT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT

DETAILS

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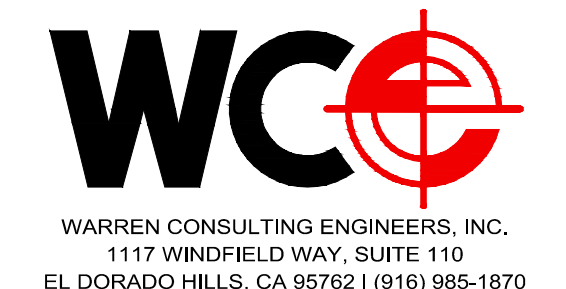
C6.1



13
C6.2

CONTECH STORMFILTER

NO SCALE



JOHN F. KENNEDY HIGH SCHOOL
 PARKING LOT
 SACRAMENTO CITY UNIFIED SCHOOL
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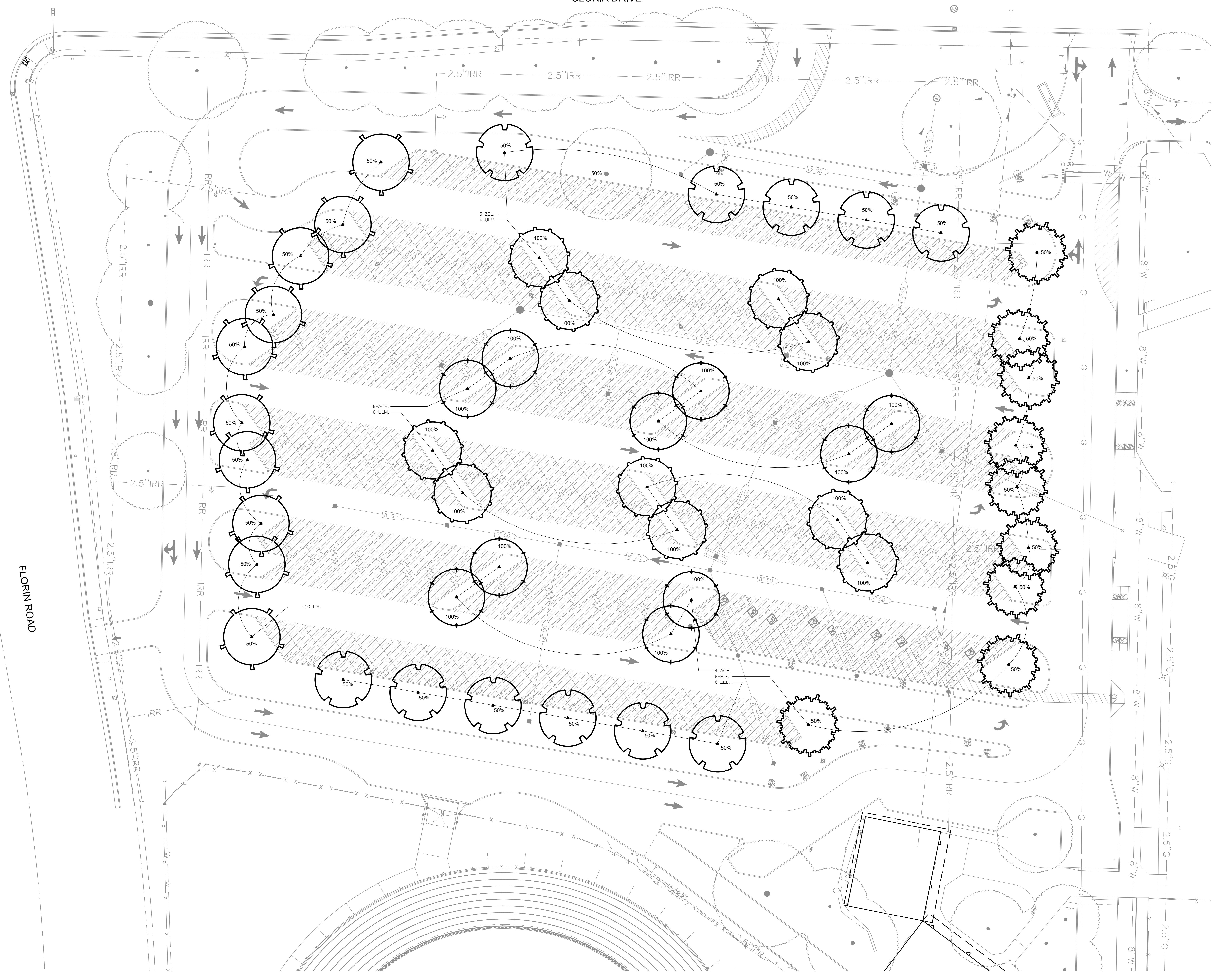
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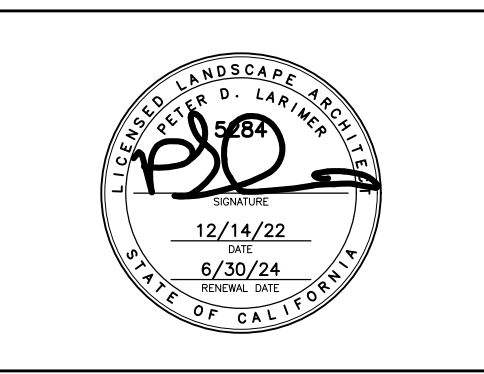
C6.2

GLORIA DRIVE

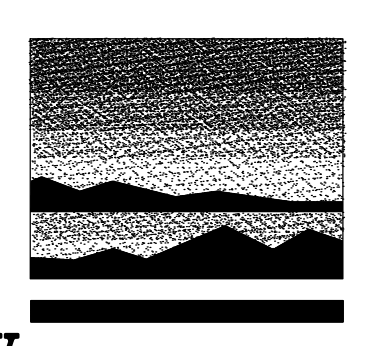
FLORIN ROAD



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22-58



MTW group
 LANDSCAPE ARCHITECTURE
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 916.369.3990

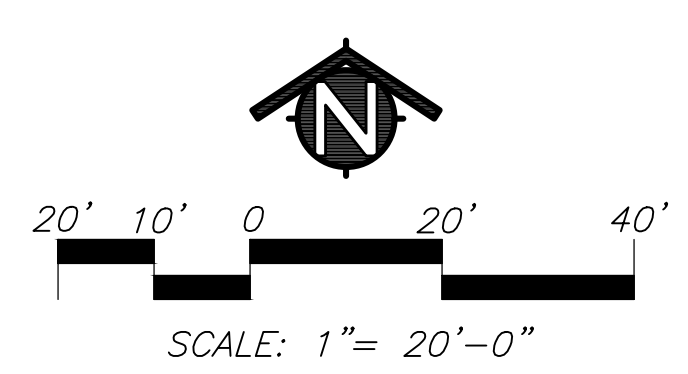
JOHN F. KENNEDY HS PARKING LOT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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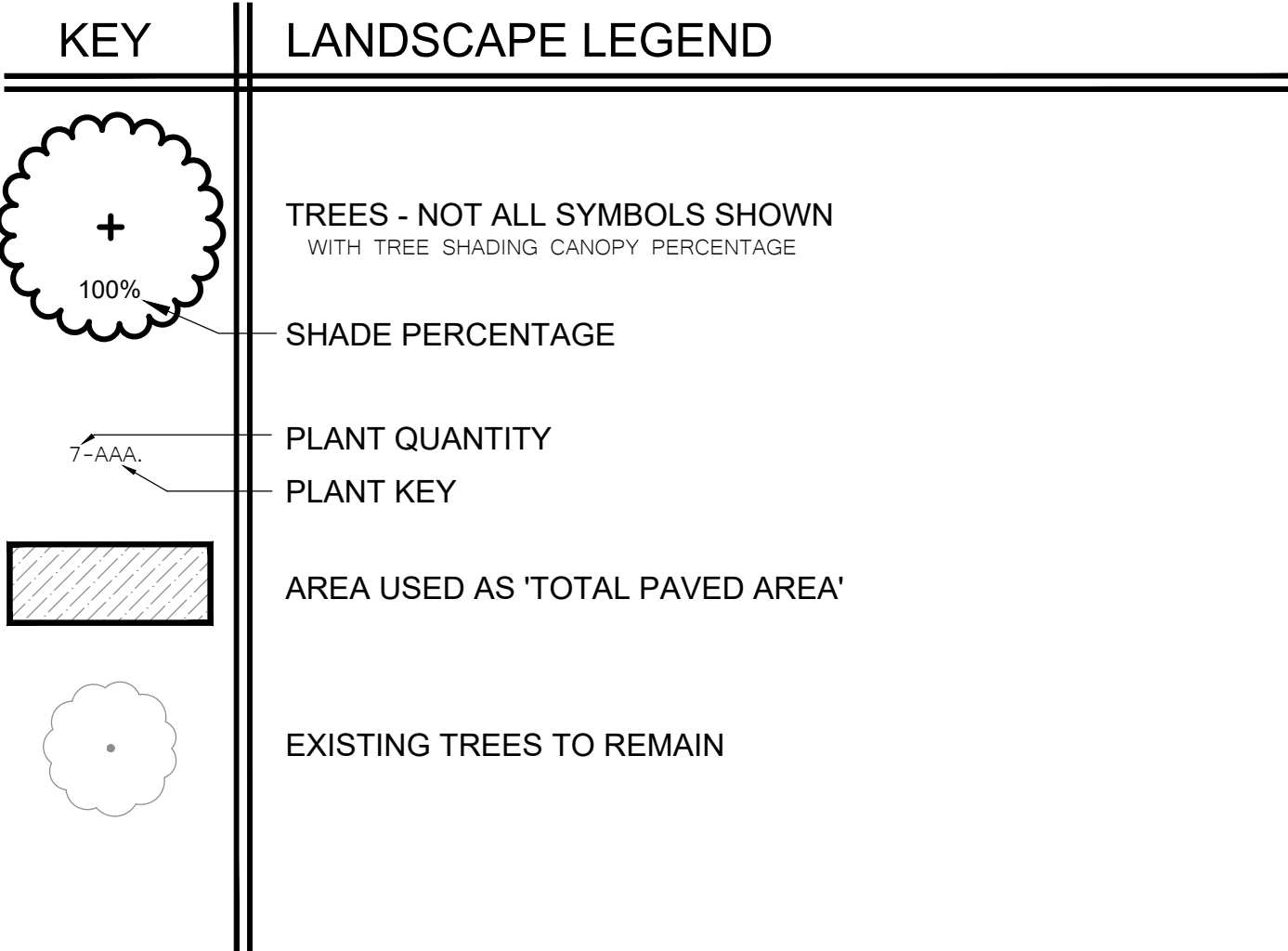
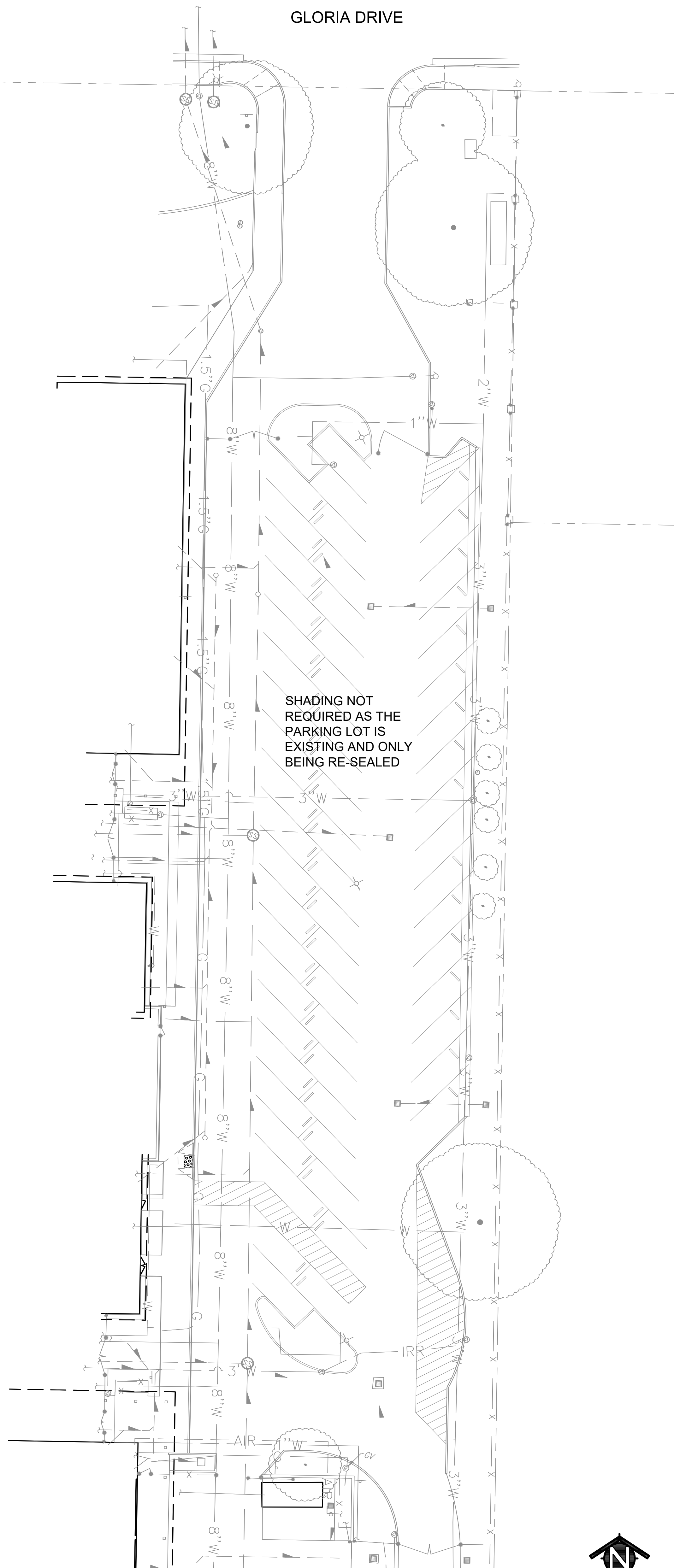
TREE PLANTING PLAN

SEE SHEET L1.2 FOR
LEGEND AND NOTES



PROJECT NO. 3186-067-000
 DATE: 12/22/2022
 SHEET L1.1

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STUDENT PARKING LOT SHADING (50% WITHIN 15 YEARS)		
TREES	100%	50%
EXISTING		1 (481) = 481 S.F.
30'-35'	20 (962) = 19,240 S.F.	29 (481) = 13,949 S.F.
SUB-TOTALS	19,240 S.F.	14,430 S.F.
TOTAL PAVED AREA = 59,294 S.F.		
TOTAL SHADED AREA = 33,670 S.F.		
PERCENTAGE OF SHADE = 57.0%		

TREE MATERIAL LIST

SIZE	QTY.	KEY	BOTANICAL NAME ... COMMON NAME	WATER USE
TREES:				
24" BOX	10	ACE.	ACER RUBRUM 'OCTOBER GLORY' ... RED MAPLE	MEDIUM
24" BOX	10	LIR.	LIRIODENDRON TULIPIFERA ... TULIP TREE	MEDIUM
24" BOX	9	PIS.	PISTICIA CHINENSIS 'KEITH DAVEY' ... CHINESE PISTACHE	LOW
24" BOX	10	ULM.	ULMUS WILSONIANA 'PROSPECTOR' ... PROSPECTOR ELM	LOW
24" BOX	11	ZEL.	ZELKOVA SERRATA ... ZELKOVA	MEDIUM

GENERAL LANDSCAPE REQUIREMENTS/NOTES

- NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
- NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
- PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
- SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

GENERAL: PROCEED WITH WORK IN ORDERLY AND TIMELY MANNER TO COMPLETE INSTALLATION OF LANDSCAPING WITHIN CONTRACT LIMITS.

PROTECTION:

EXISTING CONSTRUCTION: EXECUTE WORK IN AN ORDERLY AND CAREFUL MANNER TO PROTECT NEW CONCRETE WALKS, WORK OF OTHER TRADES, AND OTHER IMPROVEMENTS.

EXISTING UTILITIES: DETERMINE LOCATION OF UNDERGROUND UTILITIES AND PERFORM WORK IN A MANNER WHICH WILL AVOID POSSIBLE DAMAGE. HAND EXCAVATE, AS REQUIRED, TO MINIMIZE POSSIBILITY OF DAMAGE TO UNDERGROUND UTILITIES. MAINTAIN GRADE STAKES SET BY OTHERS UNTIL REMOVAL IS MUTUALLY AGREED UPON BY ALL PARTIES CONCERNED. BE RESPONSIBLE FOR PROTECTION OF EXISTING UTILITIES WITHIN CONSTRUCTION AREA; REPAIR DAMAGE TO UTILITIES THAT OCCUR AS A RESULT OF OPERATIONS OF THIS WORK.

LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

ADVERSE CONDITIONS: WHEN CONDITIONS DETRIMENTAL TO SOIL OR PLANT GROWTH ARE ENCOUNTERED, SUCH AS RUBBLE FILL, ADVERSE DRAINAGE CONDITIONS, OR OBSTRUCTIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE STARTING WORK.

PLANTING AND TURF INSTALLATION SEASONS AND CONDITIONS

NO WORK SHALL BE DONE WHEN GROUND IS FROZEN, SNOW COVERED, TOO WET OR IN AN OTHERWISE UNSUITABLE CONDITION FOR AMENDING SOIL, FINISH GRADING OR PLANTING.

SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

SOIL PERCOLATION

EXCAVATE 10 PLANTING PITS IN RANDOM AREAS OF SITE. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

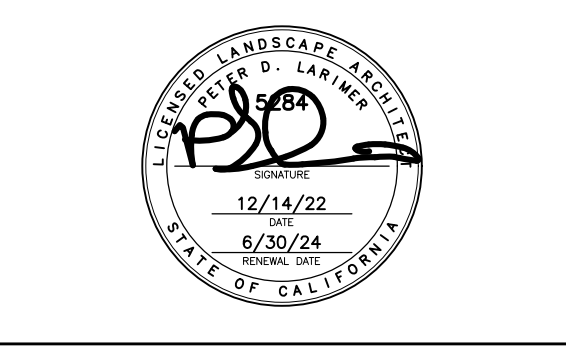
PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1- AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

EXISTING LANDSCAPE AND SPRINKLER IRRIGATION SYSTEM

WORK LIMITS OF THIS PROJECT EXTEND INTO AREAS THAT WERE PREVIOUSLY DEVELOPED UNDER OTHER CONTRACTS. PRIOR TO START OF WORK, CONTRACTOR SHALL MEET WITH OWNER'S REPRESENTATIVE TO LOCATE ALL CONNECTIONS CALLED FOR ON DRAWINGS. WORK LIMITS/FENCING SHALL BE LAID OUT BY CONTRACTOR AND VERIFIED BY OWNER'S REPRESENTATIVE. FENCE TO BE INSTALLED AND IRRIGATION SYSTEM SHALL BE TESTED WITH CONTRACTOR, INSPECTOR, AND OWNER'S REPRESENTATIVE PRESENT. DEFICIENCIES SHALL BE NOTED AT THIS TIME AND ARE THE RESPONSIBILITY OF OWNER. AT COMPLETION OF WORK, SYSTEM WILL AGAIN BE TESTED. DEFICIENCIES NOTED AT THIS TIME THAT WERE NOT NOTED PREVIOUSLY WILL BE RESPONSIBILITY OF CONTRACTOR. EXISTING LANDSCAPE THAT HAS BEEN DAMAGED DUE TO CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITION BY CONTRACTOR AT NO ADDITIONAL COST TO OWNER. PRIOR TO MAKING ANY CONNECTION TO MAIN LINE, CONTRACTOR SHALL NOTIFY OWNER 1 WEEK IN ADVANCE SO ADJUSTMENTS TO EXISTING WATERING PROGRAMS CAN BE MADE.

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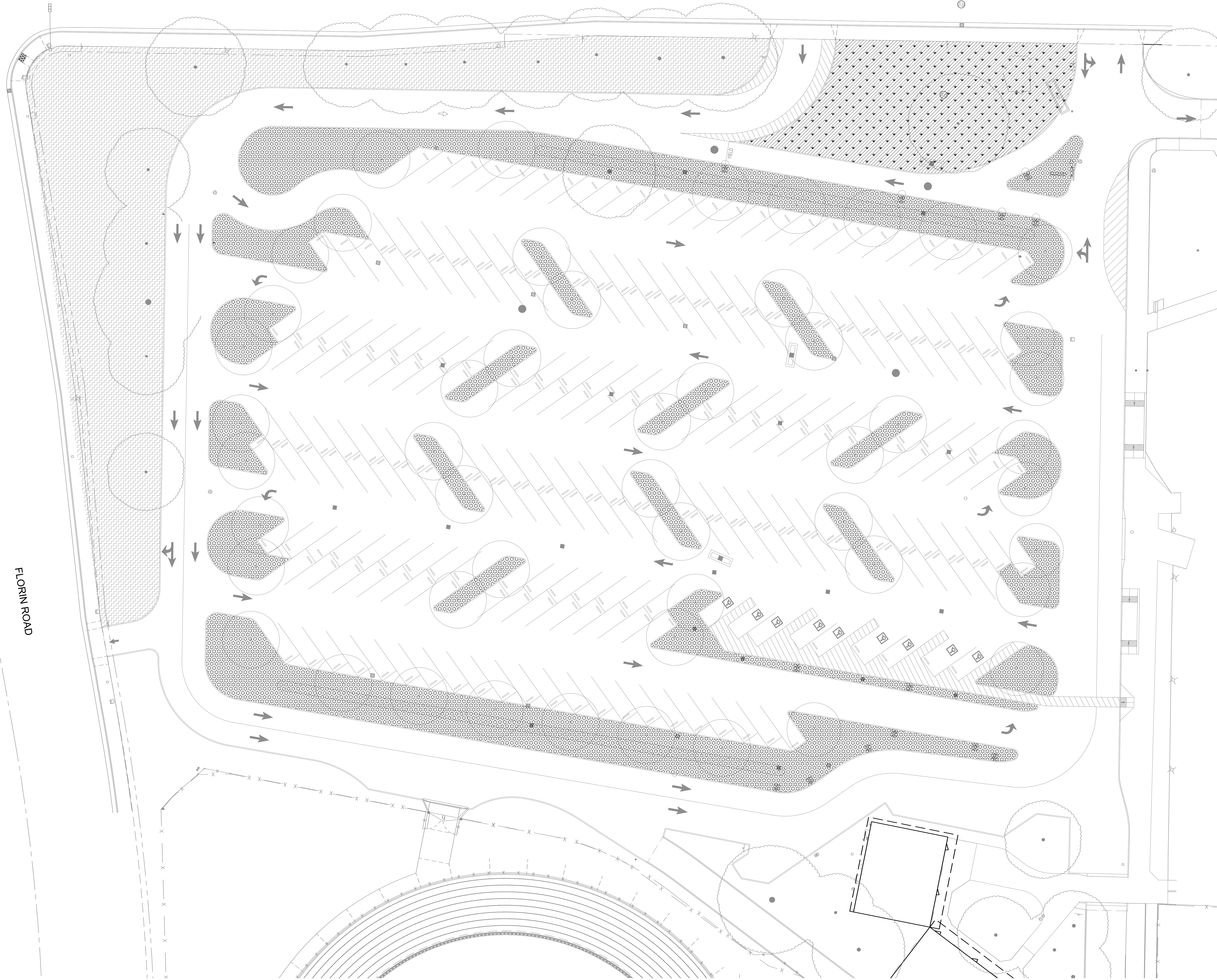
TREE PLANTING PLAN

PROJECT NO. 3186-067-000
DATE: 12/22/2022
SHEET L1.2

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GLORIA DRIVE

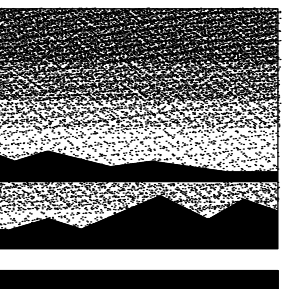
FLORIN ROAD



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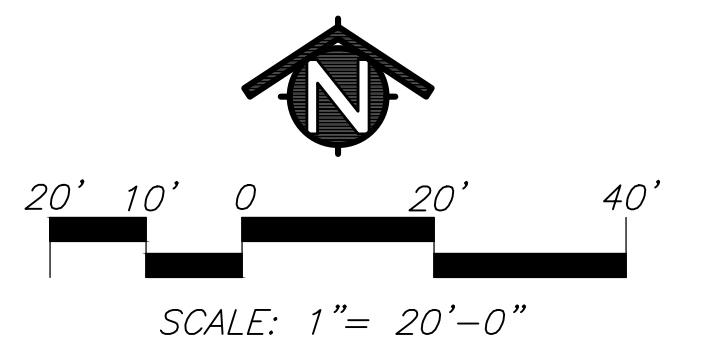
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SHRUB/TURF PLANTING
 PLAN

SEE SHEET L2.2 FOR
LEGEND AND NOTES

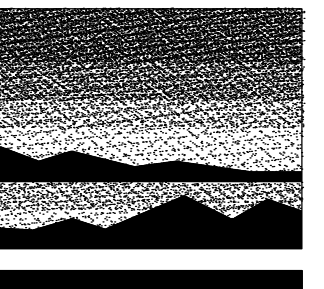


PROJECT NO. 3186-067-000
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 SHEET

L2.1



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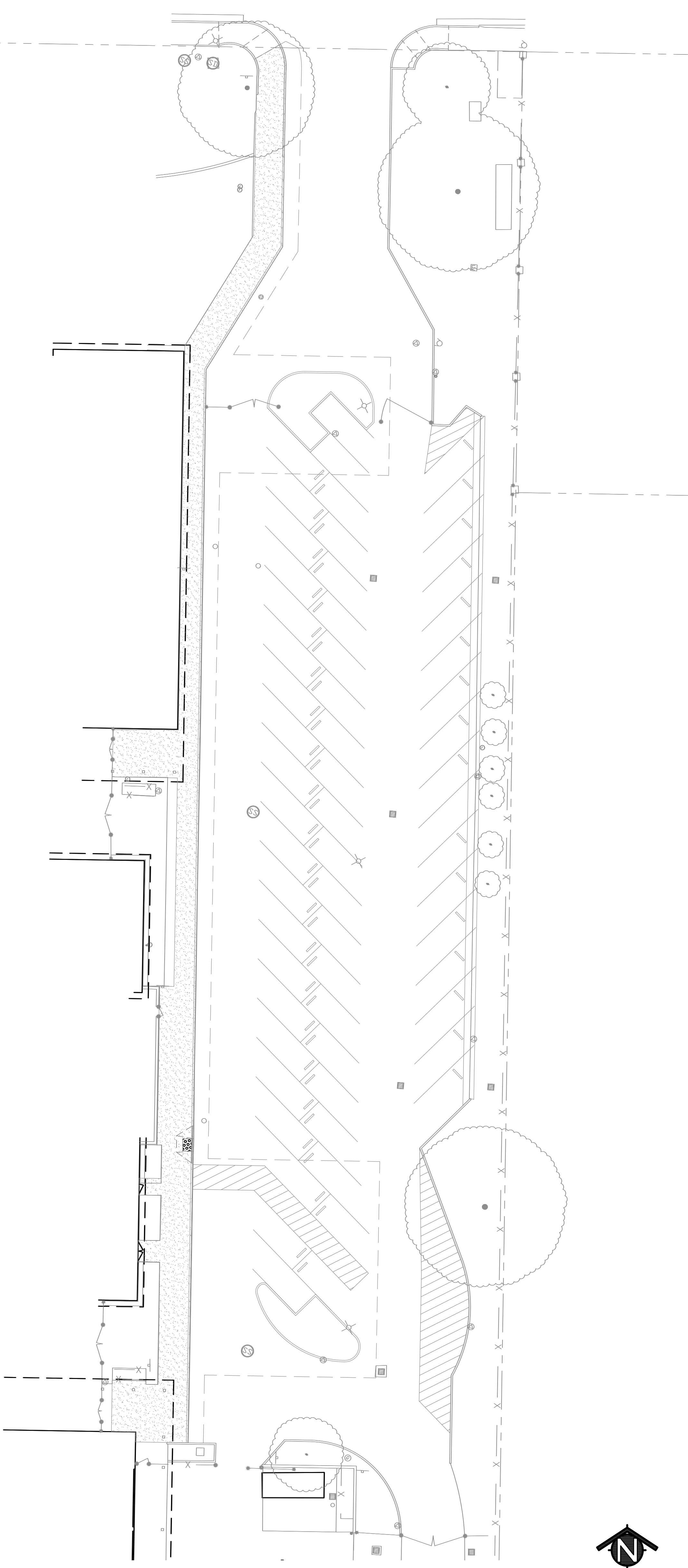
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SHRUB/TURF PLANTING PLAN

GLORIA DRIVE



KEY

- TREE OUTLINE FOR REFERENCE
- SHRUBS
- LAWN (SOD)
- GROUNDCOVER
- EXISTING LANDSCAPE AND SPRINKLER AREAS TO REMAIN
- PLANT QUANTITY
- PLANT KEY
- EXISTING TREES TO REMAIN

PLANT MATERIAL LIST

WATER USE	SIZE	QUANTITY	KEY	BOTANICAL NAME ... COMMON NAME
SHRUBS:				
LOW	5 G.C.	0	ABE	ABELIA GRANDIFLORA "SHERWOOD" ... GLOSSY ABELIA
LOW	1 G.C.	0	AGA	AGAPANTHUS AFRICANUS ... LILY-OF-THE-NILE
LOW	1 G.C.	0	AGA.P.	AGAPANTHUS AFRICANUS "PIETER PAN" ... DWARF LILY-OF-THE-NILE
LOW	1 G.C.	0	AZ.A.P.	AZALEA (PINK) ... PINK DECIDUOUS AZALEA
LOW	1 G.C.	0	AZ.A.W.	AZALEA (WHITE) ... WHITE DECIDUOUS AZALEA
LOW	1 G.C.	0	BAC.	BACCHARIS PILLULARIS "TWIN PEAKS" ... DWARF COYOTE BRUSH
LOW	1 G.C.	0	CAM.	CAMELLIA SASAKAWA "YULETIDE" ... CAMELLIA
LOW	1 G.C.	0	CEA.E.	CEANOTHUS "EMILY BROWN" ... CEANOTHUS
LOW	1 G.C.	0	CEA.J.	CEANOTHUS "JOYCE COLLETER" ... CEANOTHUS
LOW	1 G.C.	0	CEA.Y.	CEANOTHUS "YANKEE POINT" ... CEANOTHUS
LOW	1 G.C.	0	CIS.D.	CISTUS "DORIS HIBBERSON" ... PINK ROCKROSE
LOW	1 G.C.	0	CIS.P.	CISTUS PURPUREUS ... ORCHID ROCKROSE
LOW	1 G.C.	0	CIS.H.	CISTUS HYBRIDUS ... WHITE ROCKROSE
LOW	1 G.C.	0	COT.H.	COTONEASTER HORIZONTALIS ... ROCK COTONEASTER
LOW	1 G.C.	0	COT.P.	COTONEASTER PARNEYI ... PARNEY COTONEASTER
LOW	1 G.C.	0	DIE.	DIETES VEGETA ... FORTNIGHT LILY
LOW	1 G.C.	0	ESC.	ESCALONIA RUBRA NEWPORT DWARF ... DWARF ESCALLONIA
LOW	1 G.C.	0	EUD.	EUONYMUS MICROPHYLLA "VARIEGATA" ... VARIEGATED EUONYMUS
LOW	1 G.C.	0	HYP.	HYPERICUM MODERANUM ... GOLD FLOWER
LOW	1 G.C.	0	JUN.B.	JUNIPERUS SABINA "BUFFALO" ... JUNIPER
LOW	1 G.C.	0	JUN.C.	JUNIPERUS CHINENSIS "COASTI AUREA" ... GOLD COAST JUNIPER
LOW	1 G.C.	0	JUN.N.	JUNIPERUS PROLUMBENS "NANA" ... DWARF JUNIPER
LOW	1 G.C.	0	JUN.P.	JUNIPERUS CHINENSIS "PITZERANA GLAUCA" ... JUNIPER
LOW	1 G.C.	0	JUN.S.	JUNIPERUS SABINA "BLUE DANUBE" ... JUNIPER
LOW	1 G.C.	0	LIG.	LIGUSTRUM JAPONICUM "TEXANUM" ... WAX-LEAF PRIVET
LOW	1 G.C.	0	MAH.	MAHONIA AQUIFOLIUM "COMPACTA" ... DWARF OREGON GRAPE
LOW	1 G.C.	0	NAN.	NANDINA DOMESTICA "HARBOR DWARF" ... DWARF HEAVENLY BAMBOO
LOW	1 G.C.	0	PHO.	PHOTNIA FRASERI ... PHOTNIA
LOW	1 G.C.	0	PIT.	PITTOSPORUM TOBIJA "WHEELER'S DWARF" ... DWARF PITTOSPORUM
LOW	1 G.C.	0	POD.	PODOCARPUS GRACILIOR ... FERN PINE
LOW	1 G.C.	0	RH.A.B.	RHAPHIOLEPIS INDICA "BALLERNA" ... DWARF INDIA HAWTHORN
LOW	1 G.C.	0	RH.A.J.	RHAPHIOLEPIS INDICA "JACK EVANS" ... PINK INDIA HAWTHORN
LOW	1 G.C.	0	ROS.	ROSMARINUS "PROSTRATUS" ... DWARF ROSEMARY
LOW	1 G.C.	0	TRA.	TRACHELOSPERMUM JASMINOIDES ... STAR JASMINE
LOW	1 G.C.	0	VIB.	VIBURNUM DAVIDI ... DAVID'S VIBURNUM
LOW	1 G.C.	0	XYL.	XYLOSMA CONGESTUM ... SHINY LEAF XYLOSMA
GROUNDCOVER:				
LOW	FROM FLATS	8' G.C.	GAZ.	GAZANIA "MITSUNA YELLOW" ... TRAILING GAZANIA
LOW	1 G.C.	18' G.C.	TRA.	TRACHELOSPERMUM JASMINOIDES ... STAR JASMINE

GENERAL LANDSCAPE REQUIREMENTS/NOTES

- NO PLANTING SHALL BE STARTED UNTIL SPRINKLER IRRIGATION SYSTEM HAS BEEN TESTED BY CONTRACTOR IN PRESENCE OF OWNER'S REPRESENTATIVE AND NOTED DEFICIENCIES CORRECTED.
- NO PLANTING SHALL BE STARTED UNTIL SOIL PREPARATION AND FINISH GRADING OPERATIONS HAVE BEEN COMPLETED AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- QUANTITIES SHOWN ON PLANT MATERIAL LIST ARE APPROXIMATE. PROVIDE QUANTITIES INDICATED ON LANDSCAPE PLAN.
- PLANT MATERIAL IS SUBJECT TO APPROVAL OF OWNER'S REPRESENTATIVE.
- SEE SHEET L4.1 FOR PLANTING INSTALLATION DETAILS.

ENVIRONMENTAL REQUIREMENTS:

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LANDSCAPING: PROTECT LANDSCAPE WORK AND MATERIALS FROM DAMAGE DUE TO LANDSCAPE OPERATIONS, OPERATIONS BY OTHER CONTRACTORS AND TRADES AND TRESPASSERS. MAINTAIN PROTECTION DURING INSTALLATION AND MAINTENANCE PERIODS. TREAT, REPAIR OR REPLACE DAMAGED LANDSCAPE WORK AS DIRECTED AT NO ADDITIONAL COST TO CONTRACT.

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SOIL TESTING/SOIL IMPROVEMENT:

SEE SPECIFICATIONS 32 90 00, SECTION 3.02 SOIL TESTING AND SECTION 3.03 PREPARATION.

SOIL PERCOLATION

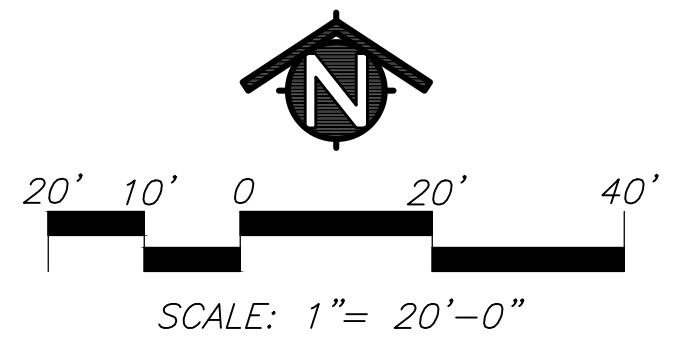
EXCAVATE 10 PLANTING PITS IN RANDOM AREAS OF SITE. FILL EXCAVATED PLANTING PITS WITH WATER TO 1/2 DEPTH OF PIT. PITS SHOULD DRAIN WITHIN 4 HOURS. IF PLANTING PITS DO NOT DRAIN, NOTIFY INSPECTOR IMMEDIATELY. PLANTING SHALL NOT BE STARTED UNTIL OWNER'S REPRESENTATIVE HAS RESOLVED A METHOD TO REMEDY DRAINAGE ISSUE.

PLANT MATERIAL STANDARDS

PLANTS SHALL BE IN ACCORDANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) ANSI Z60.1-AMERICAN STANDARD FOR NURSERY STOCK, EXCEPT AS OTHERWISE STATED IN SPECIFICATIONS OR SHOWN ON DRAWINGS. WHERE DRAWINGS OR SPECIFICATIONS ARE IN CONFLICT WITH ANSI Z60.1, DRAWINGS AND SPECIFICATIONS SHALL PREVAIL. PRUNE, THIN OUT AND SHAPE TREES IN ACCORDANCE WITH ANSI STANDARD HORTICULTURAL PRACTICE. PRUNE TREES TO RETAIN REQUIRED HEIGHT AND SPREAD, UNLESS OTHERWISE DIRECTED BY LANDSCAPE ARCHITECT. DO NOT CUT TREE LEADERS, AND REMOVE ONLY INJURED OR DEAD BRANCHES FROM FLOWERING TREES.

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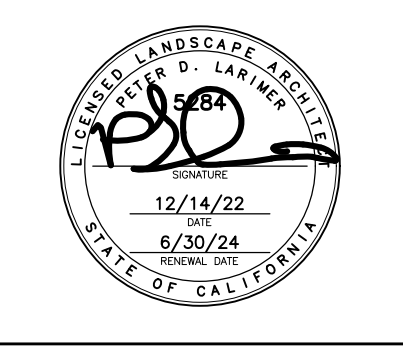


GLORIA DRIVE

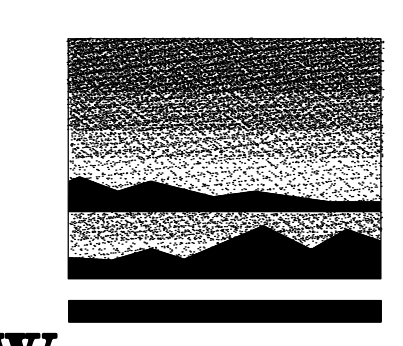
CONNECT TO EXISTING MAINLINE

FLORIN ROAD

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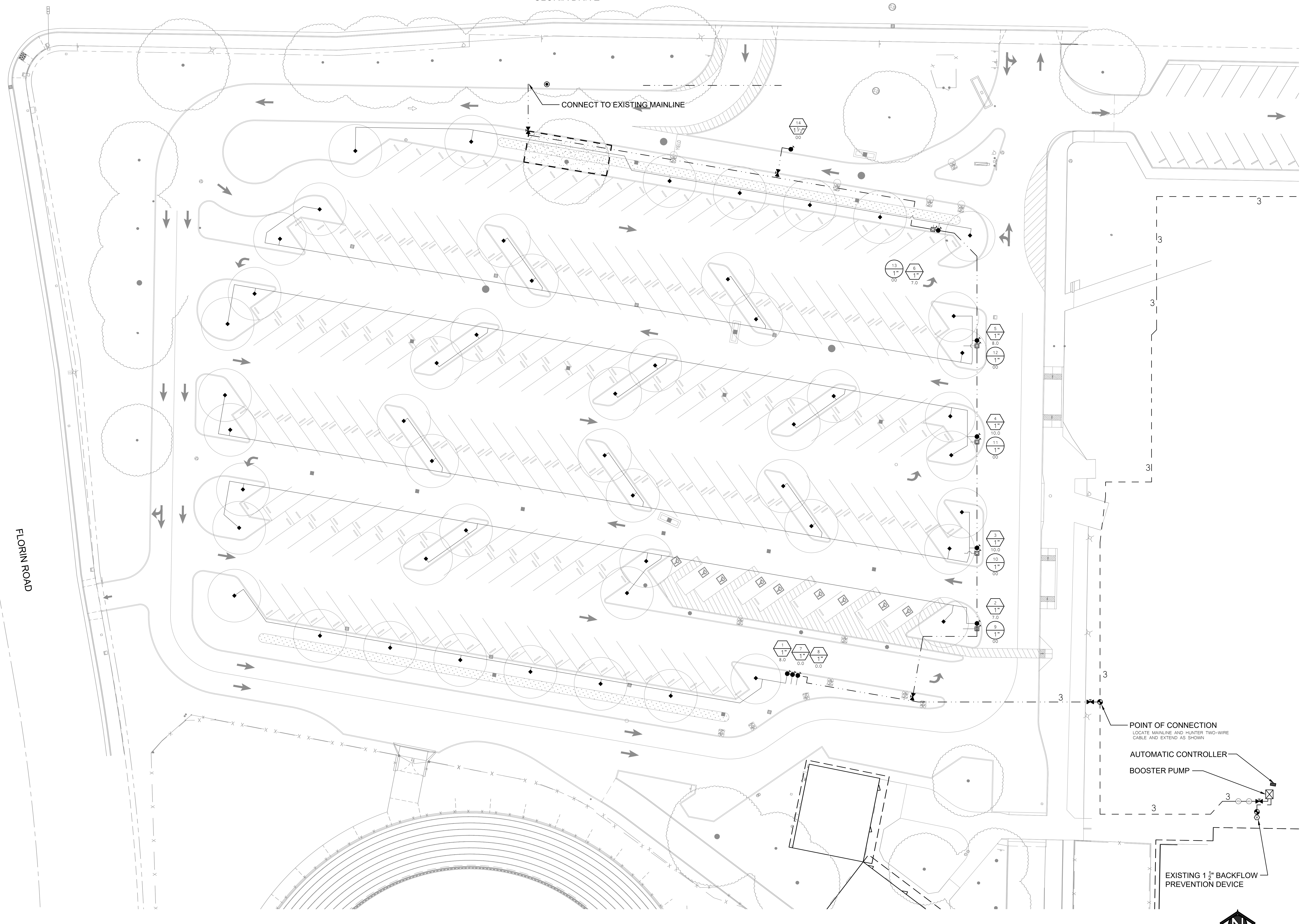
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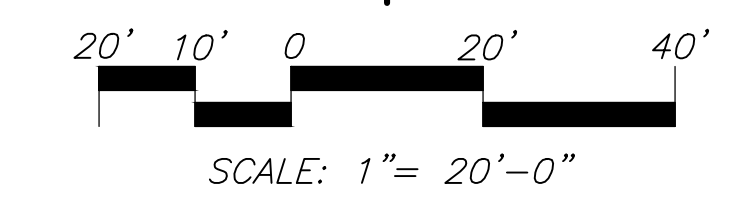
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LANDSCAPE
IRRIGATION PLAN

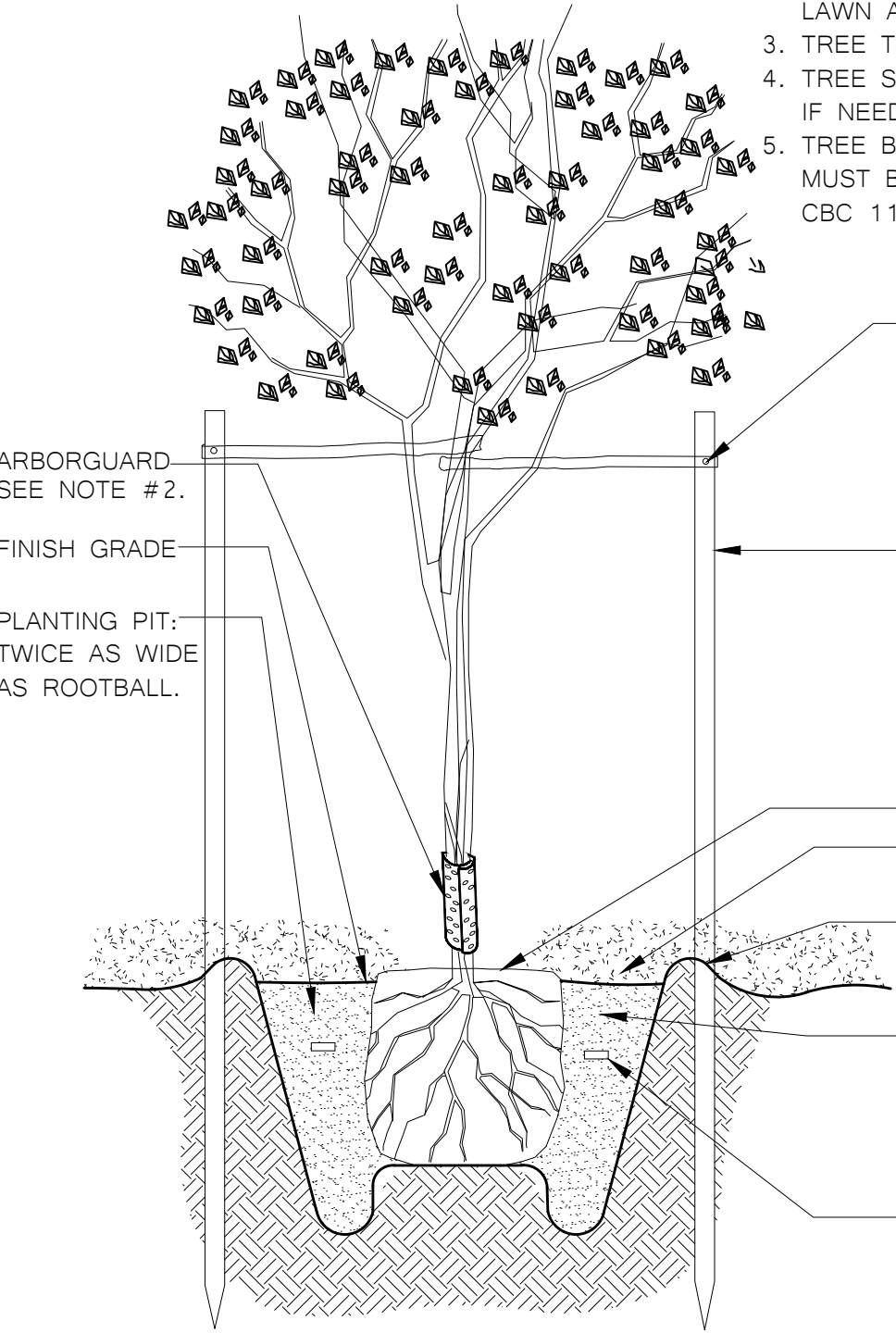
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SHEET L3.1



SEE SHEET L3.2 FOR
LEGEND AND NOTES



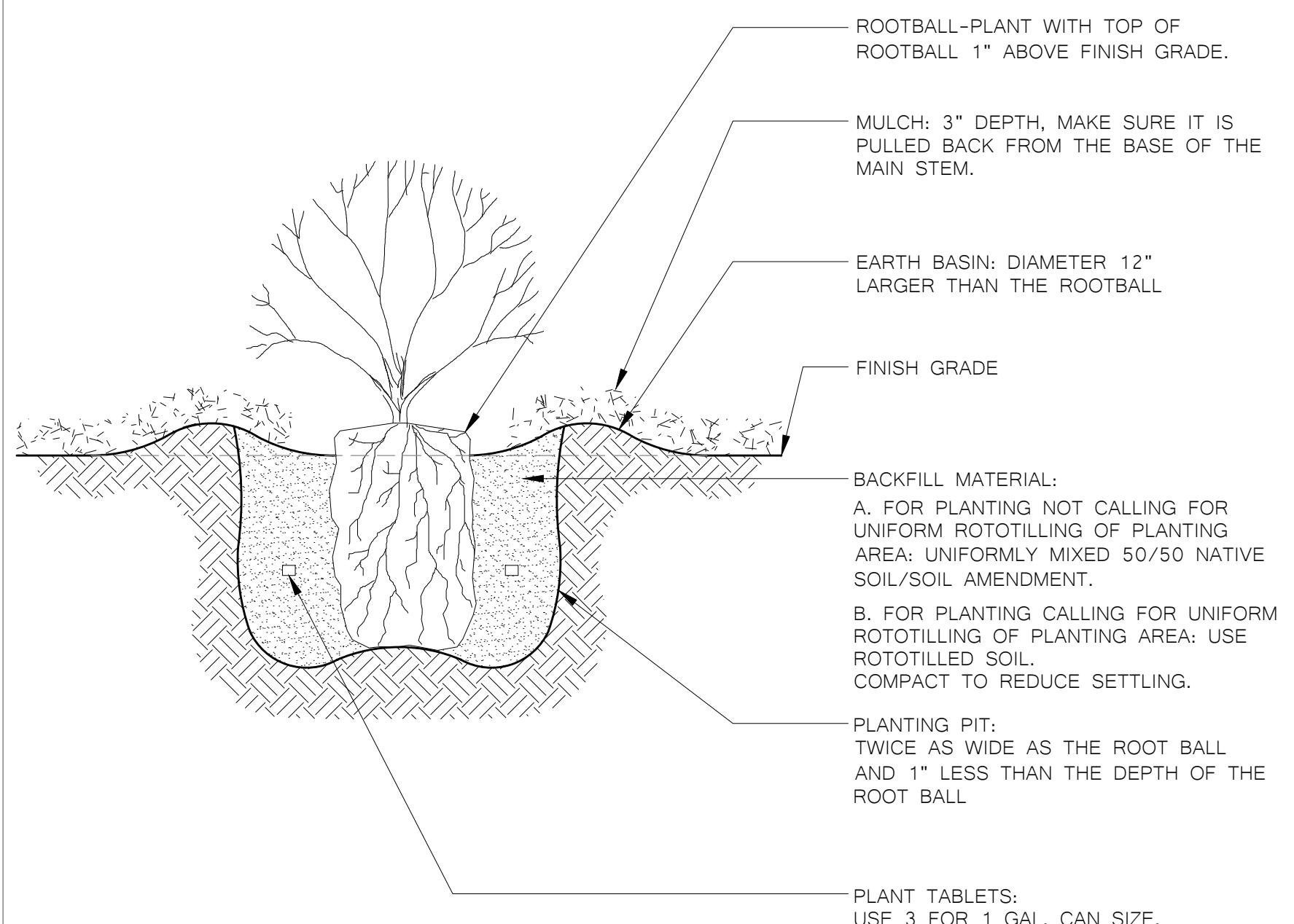
- NOTES:
- VITAMIN B-1: SUPERTHRIVE, LIQUINOX START OR EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS WITH THE SECOND WATERING OF THE BASIN.
 - INSTALL ARBORGUARD TREE PROTECTION WHEN TREES ARE IN LAWN AREAS.
 - TREE TO HAVE DOMINANT MAIN LEADER.
 - TREE STAKES ARE INTENDED TO HOLD THE TREE UPRIGHT, IF NEEDED, TALLER TREE STAKES ARE TO BE USED.
 - TREE BRANCHES EXTENDING MORE THAN 4" OVER A WALKWAY MUST BE PRUNED UP TO AN 80" CLEARANCE PER CBC 1133B.8.6.1



- TREE STAKES: MIN. SIZE 2" X 2" X 8' RWD. STAKES OR LODGEPOLE PINE STAKES 2" DIA. BY 8', COPPER NAPHTHANATE TREATED (GREEN COLOR) WITH 10 INCH TAPERED POINT, STAKE TO BE OUTSIDE OF THE ROOTBALL, AND TOP OF STAKE TO BE TRIMMED TO BE 1-2" ABOVE THE TOP CINCH TIE.
- ROOTBALL: PLACE 2" ABOVE FINISH GRADE
- MULCH: 3" DEPTH, PULL BARK 4" AWAY FROM THE TREE TRUNK
- EARTH BASIN: DIAMETER 12" LARGER THAN THE ROOT BALL. NOT REQ'D IN TURF AREAS.
- BACKFILL MATERIAL: 50% NATIVE SOIL AND 50% SOIL AMENDMENT, WHICH SHALL BE A 90% BARK BASE PRODUCT, 0-1/4" SIZE TREATED TO HAVE 1% NITROGEN. CROWN THEN FIRM TO REDUCE SETTLING.
- PLANTING TABLETS: 7 GRAM GRO-POWER TABLETS. USE 12 FOR 15 G.C. SIZE; 18 FOR 24" BOX SIZE AND 24 FOR 36" BOX SIZE.

1 TREE PLANTING AND STAKING DETAIL

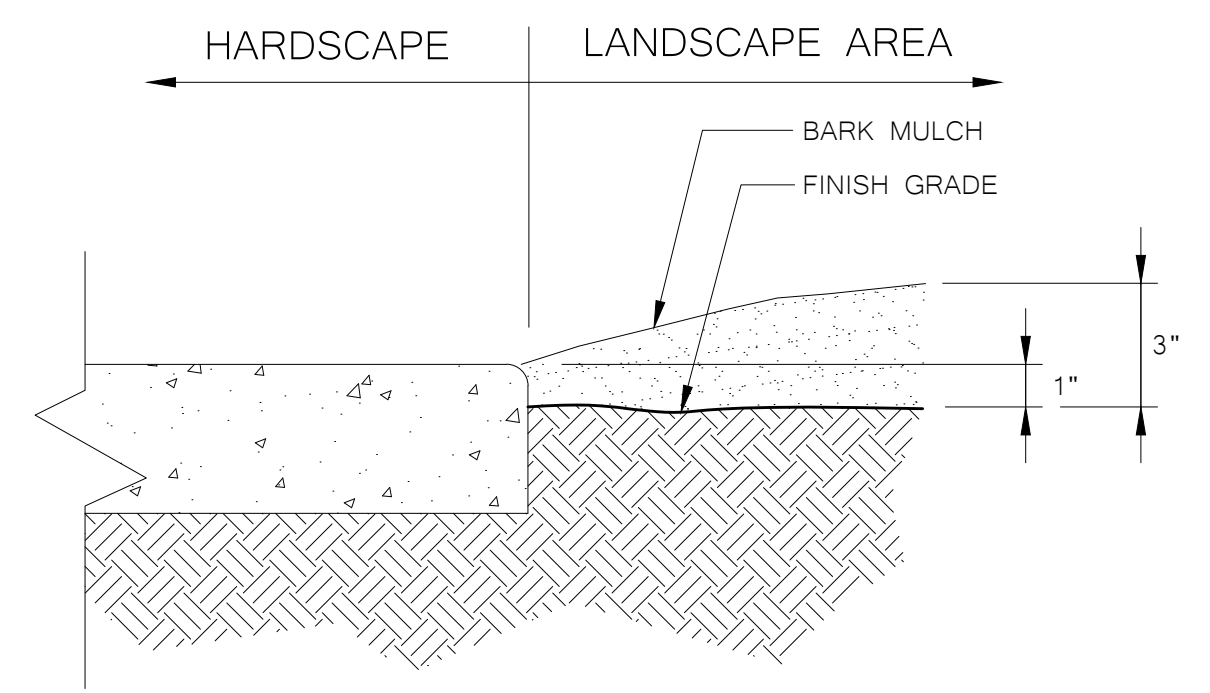
NOTE: VITAMIN B-1 SUPERTHRIVE LIQUINOX OR EQUAL. APPLY AS PER MANUFACTURER'S INSTRUCTIONS WITH SECOND WATERING OF THE BASIN.



- MULCH: 3" DEPTH, MAKE SURE IT IS PULLED BACK FROM THE BASE OF THE MAIN STEM.
- EARTH BASIN: DIAMETER 12" LARGER THAN THE ROOTBALL
- FINISH GRADE
- BACKFILL MATERIAL:
 - A. FOR PLANTING NOT CALLING FOR UNIFORM ROTOTILLING OF PLANTING AREA: UNIFORMLY MIXED 50/50 NATIVE SOIL/SOIL AMENDMENT.
 - B. FOR PLANTING CALLING FOR UNIFORM ROTOTILLING OF PLANTING AREA: USE ROTOTILLED SOIL COMPACT TO REDUCE SETTLING.
- PLANTING PIT: TWICE AS WIDE AS THE ROOT BALL AND 1" LESS THAN THE DEPTH OF THE ROOT BALL
- PLANT TABLETS: USE 3 FOR 1 GAL. CAN SIZE. USE 9 FOR 5 GAL. CAN SIZE.

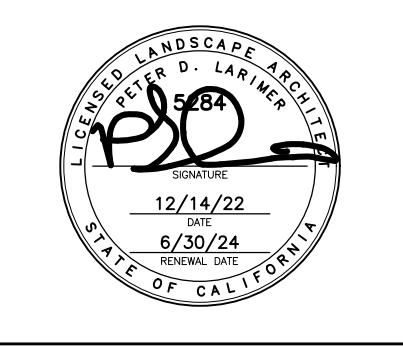
2 SHRUB PLANTING DETAIL

- NOTES:
- FINISH GRADE OF SOIL TO BE 1" BELOW ADJACENT HARDSCAPE FOR BOTH LAWN AREAS AND PLANTER BED AREAS
 - BARK MULCH DEPTH DOES NOT DICTATE THE ELEVATION OF THE FINISH GRADE
 - BARK MULCH TO BE FEATHERED DOWN TO 1" DEPTH, 12" FROM EDGE OF HARDSCAPE

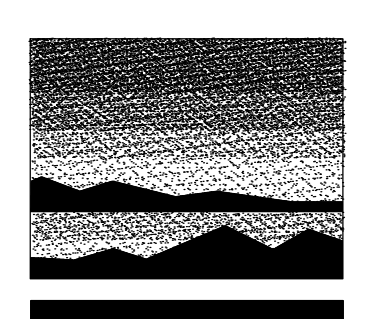


4 LANDSCAPE GRADE ADJACENT TO HARDSCAPE DETAIL

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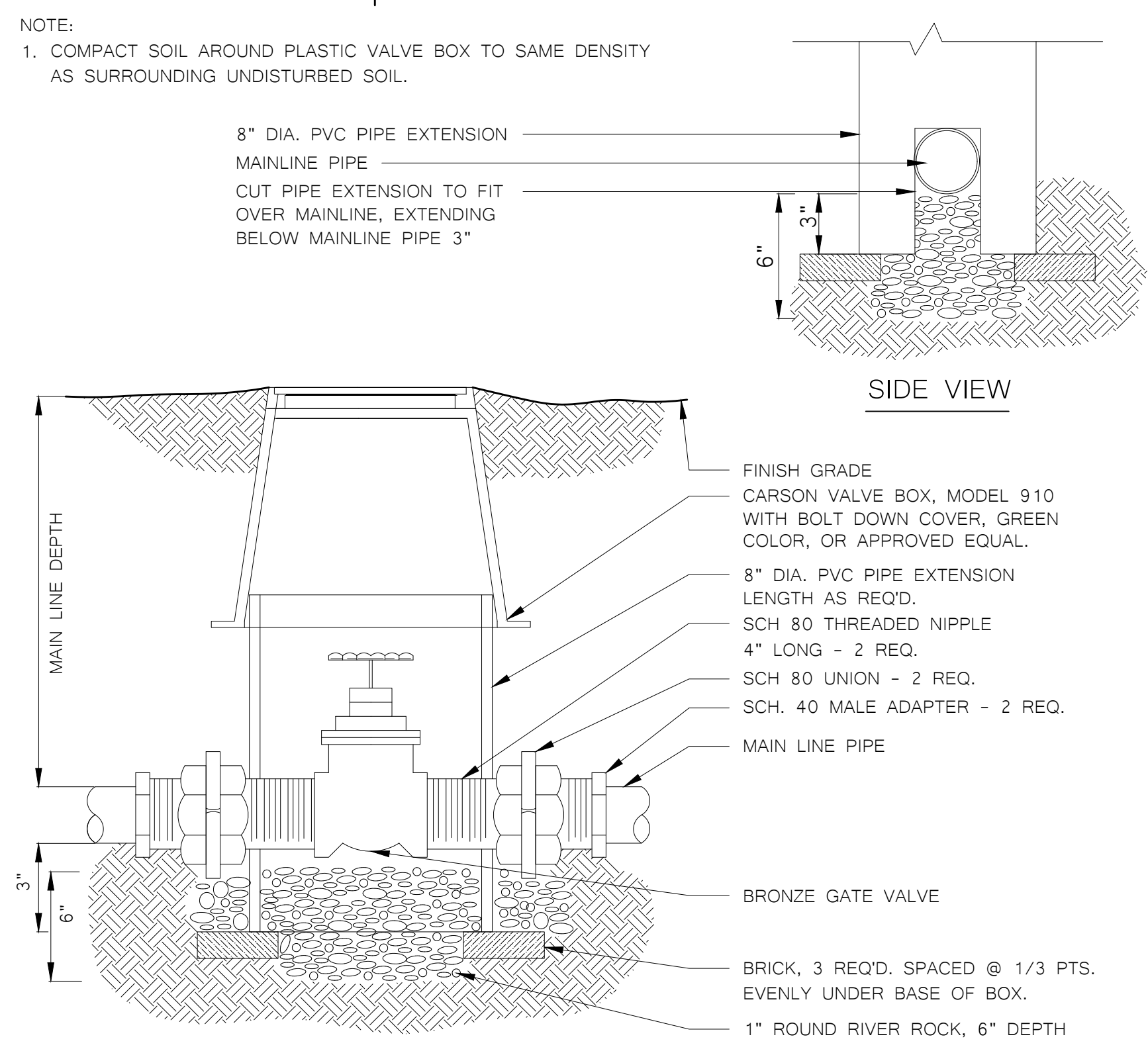
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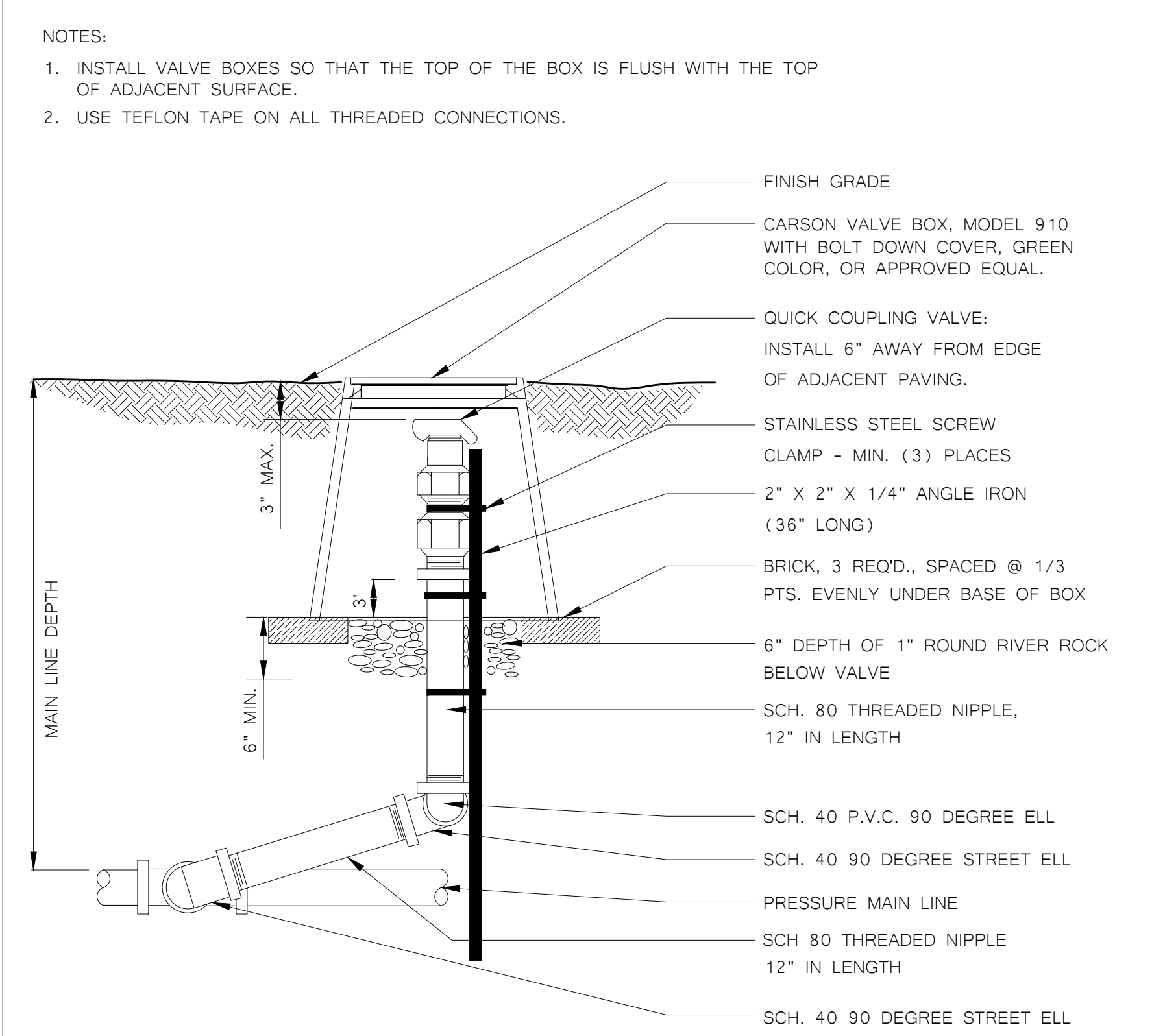
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LANDSCAPE PLANTING DETAILS

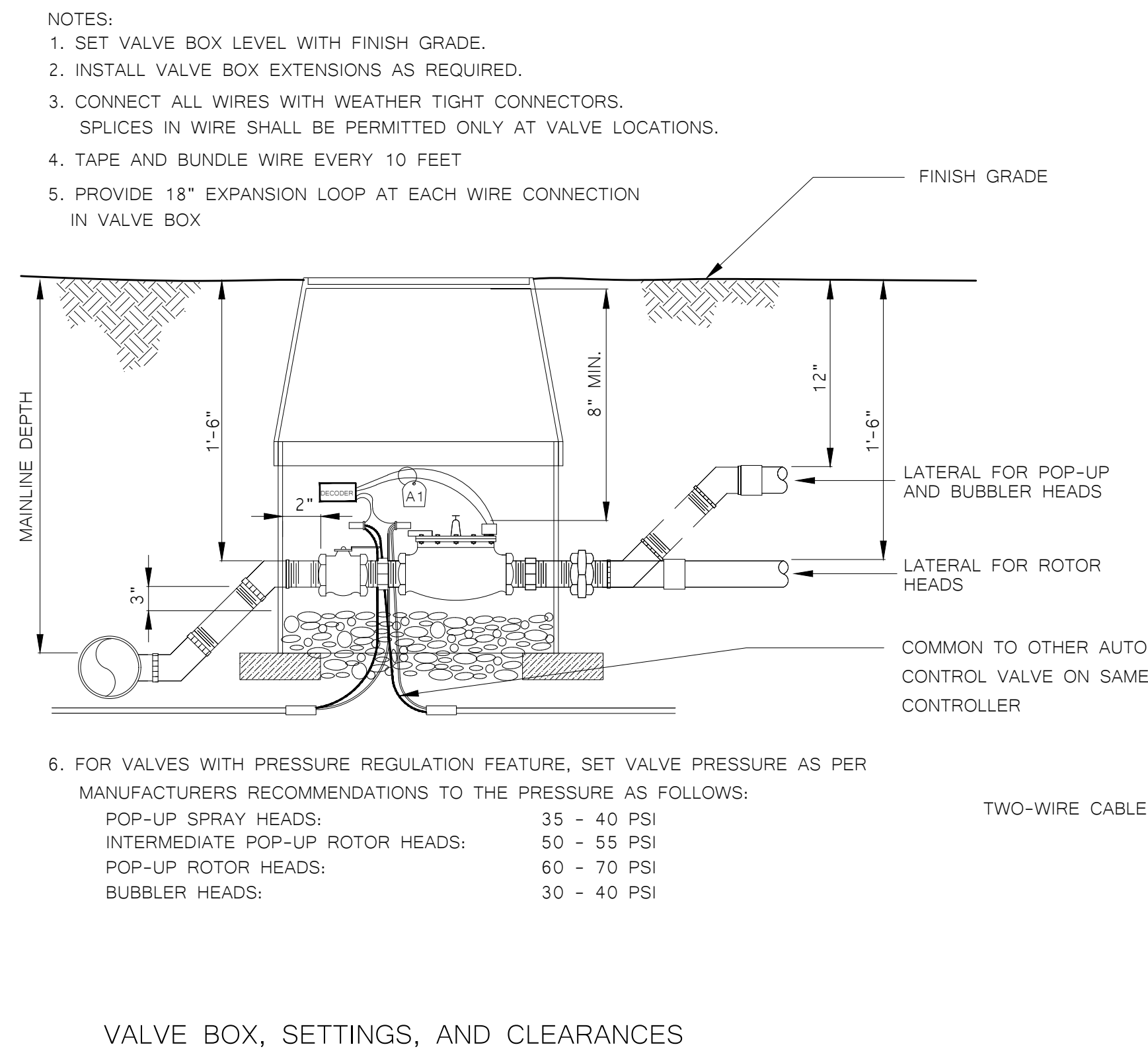
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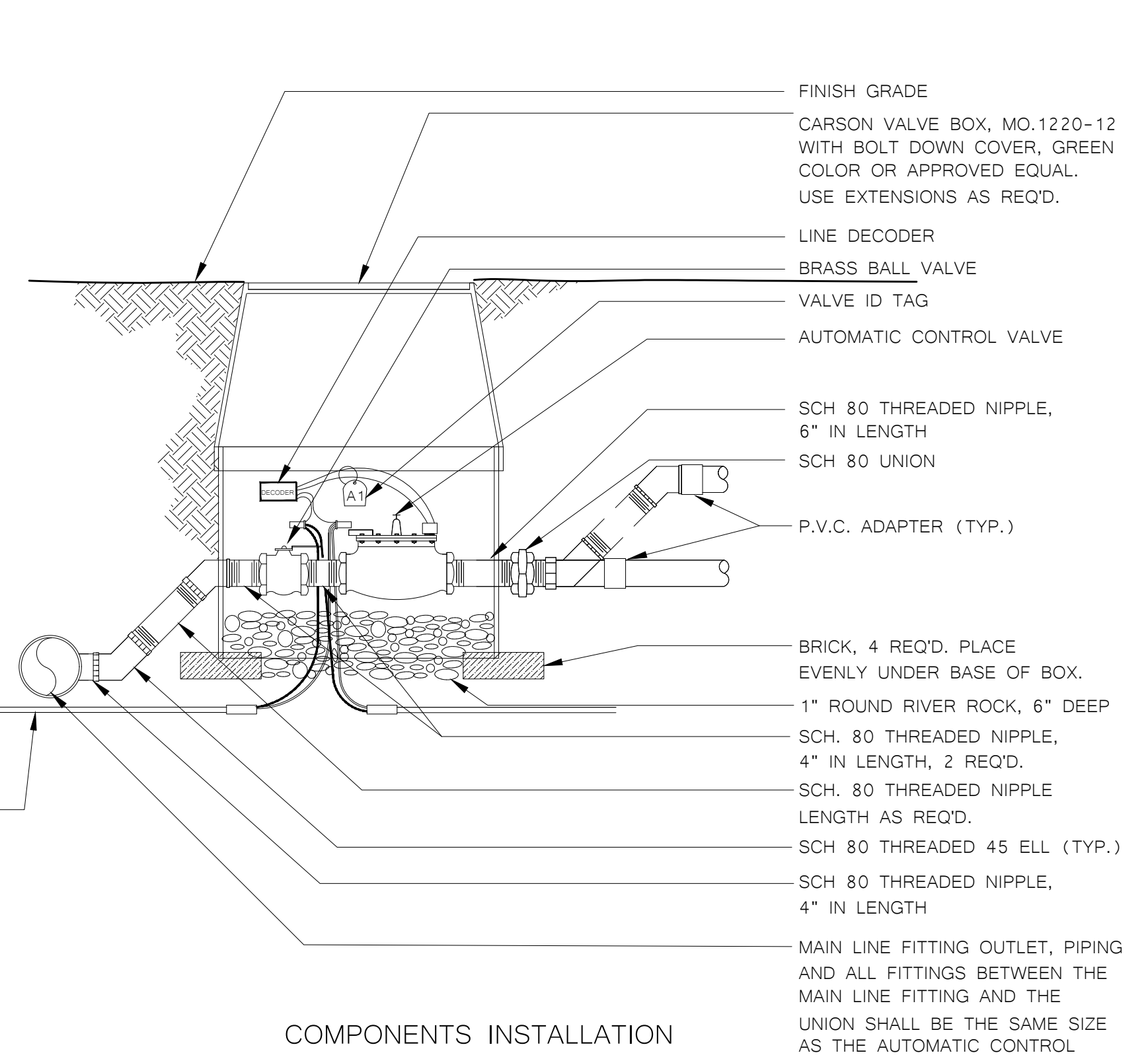
1 GATE VALVE DETAIL, 3" SIZE AND SMALLER



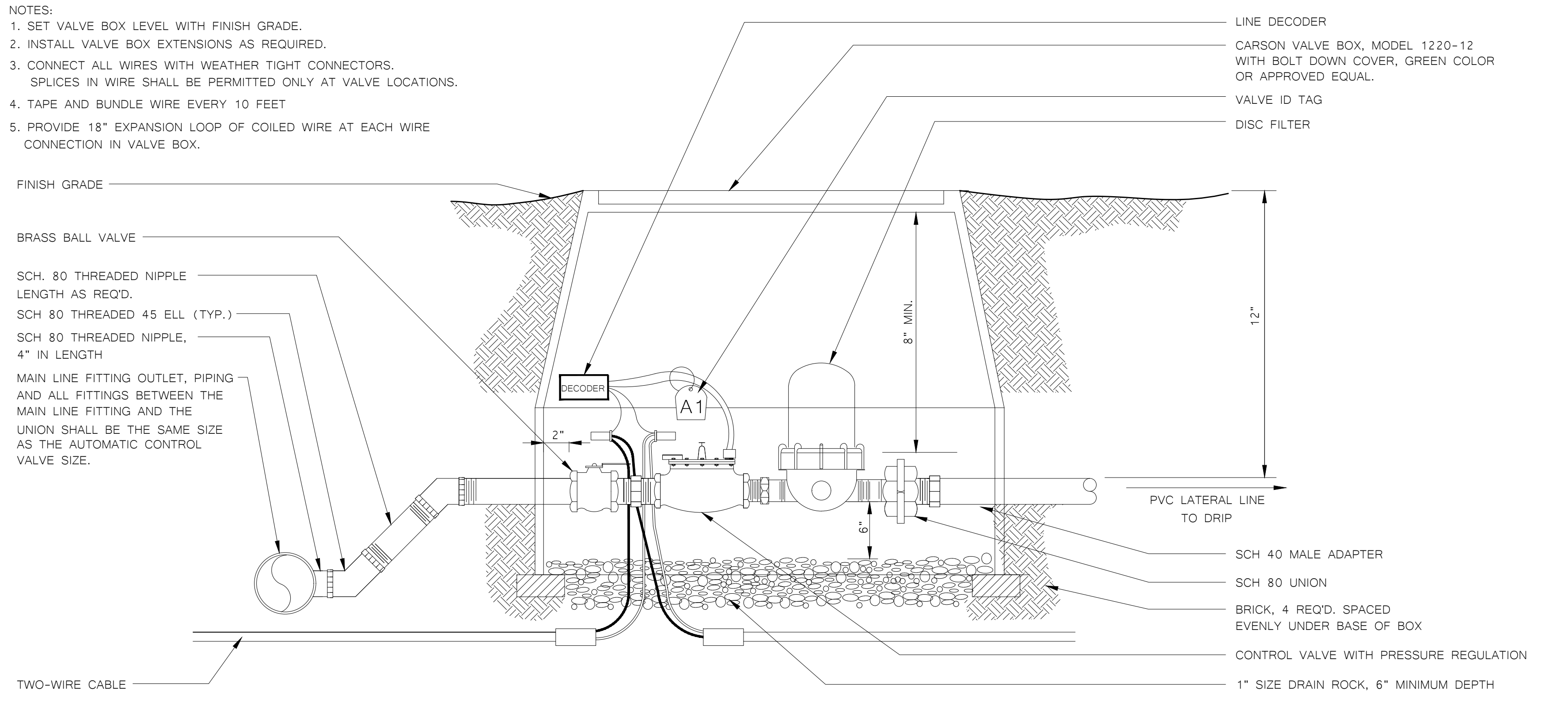
2 QUICK COUPLING VALVE DETAIL



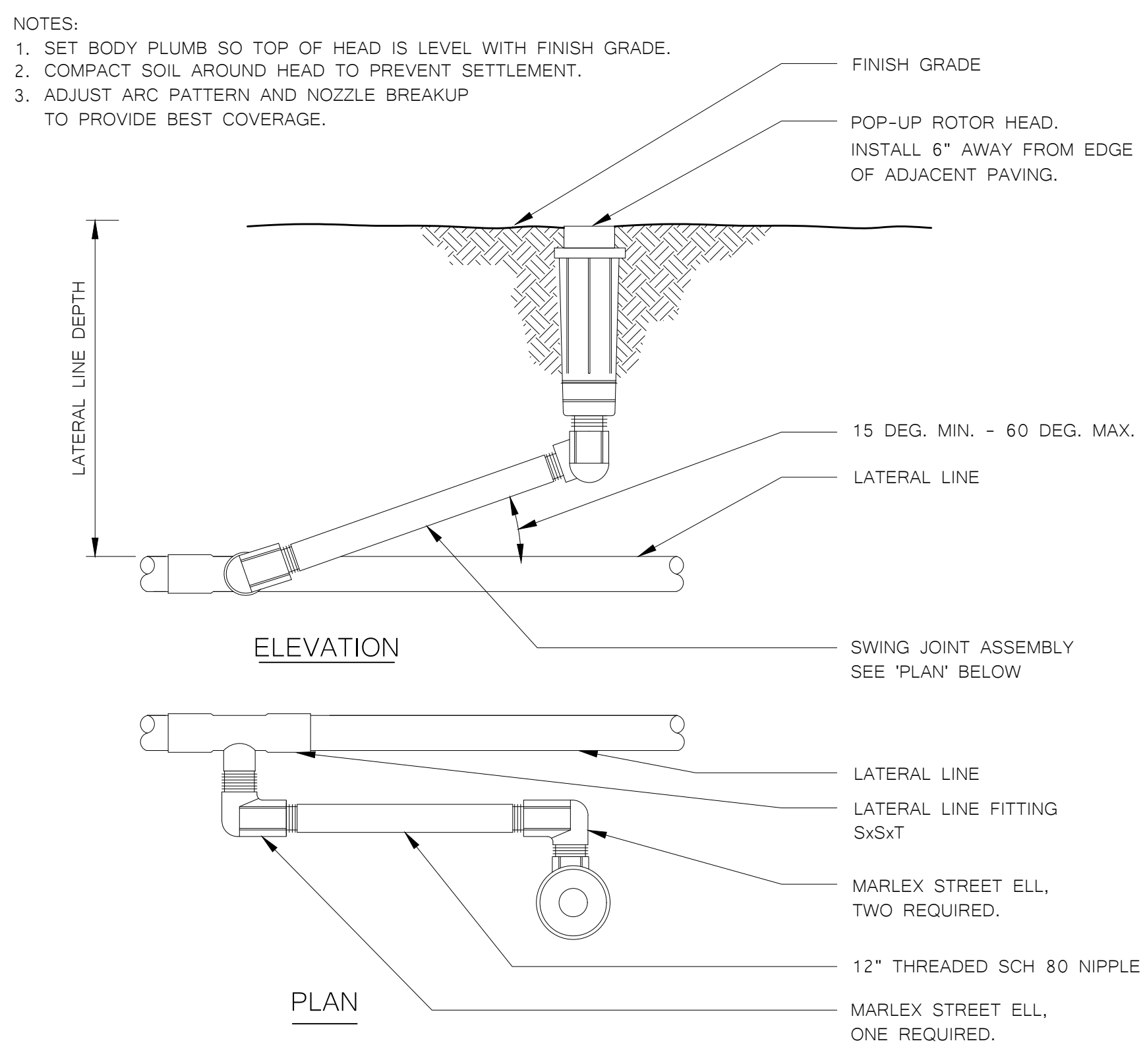
3 VALVE BOX, SETTINGS, AND CLEARANCES



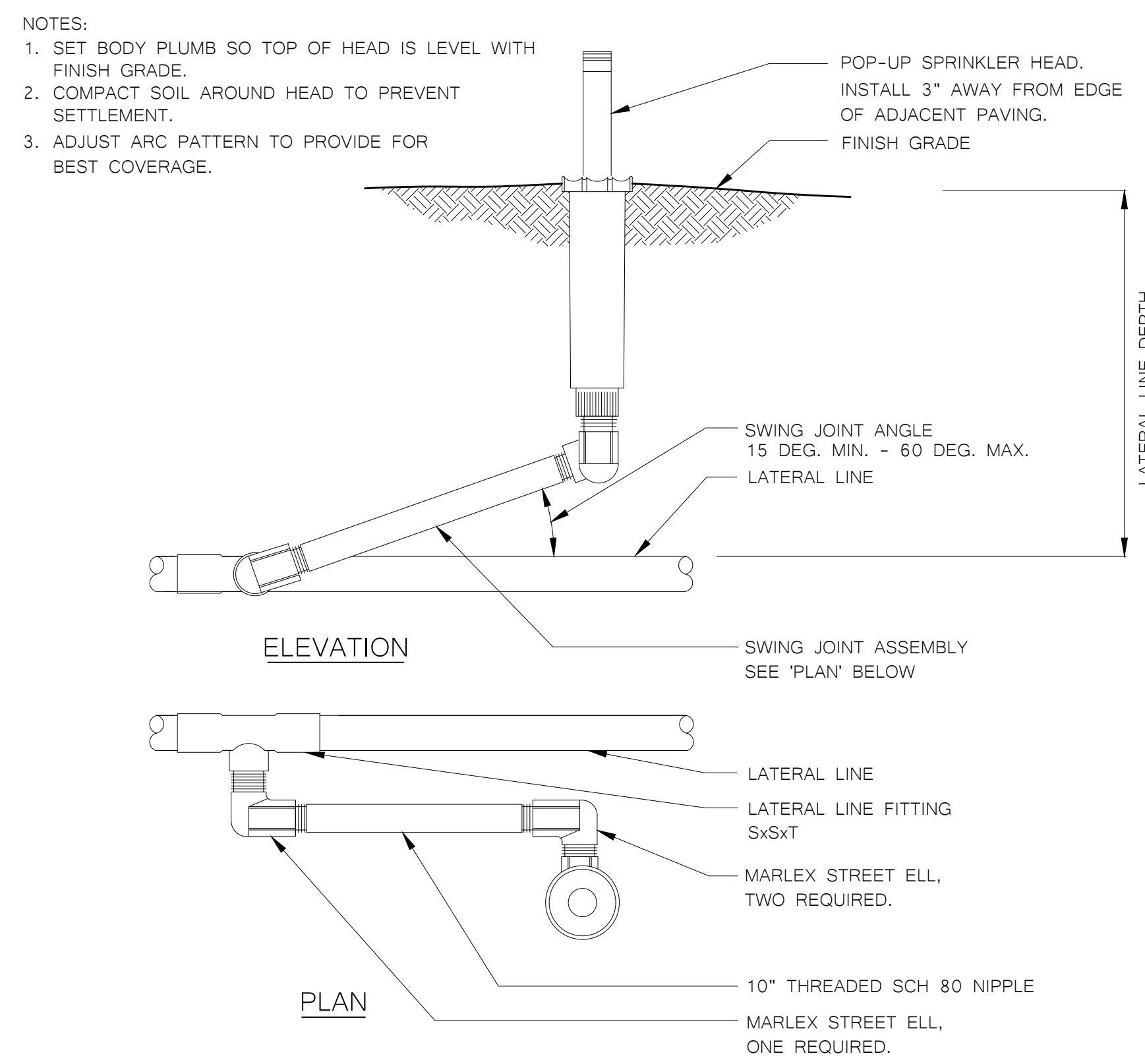
4 COMPONENTS INSTALLATION



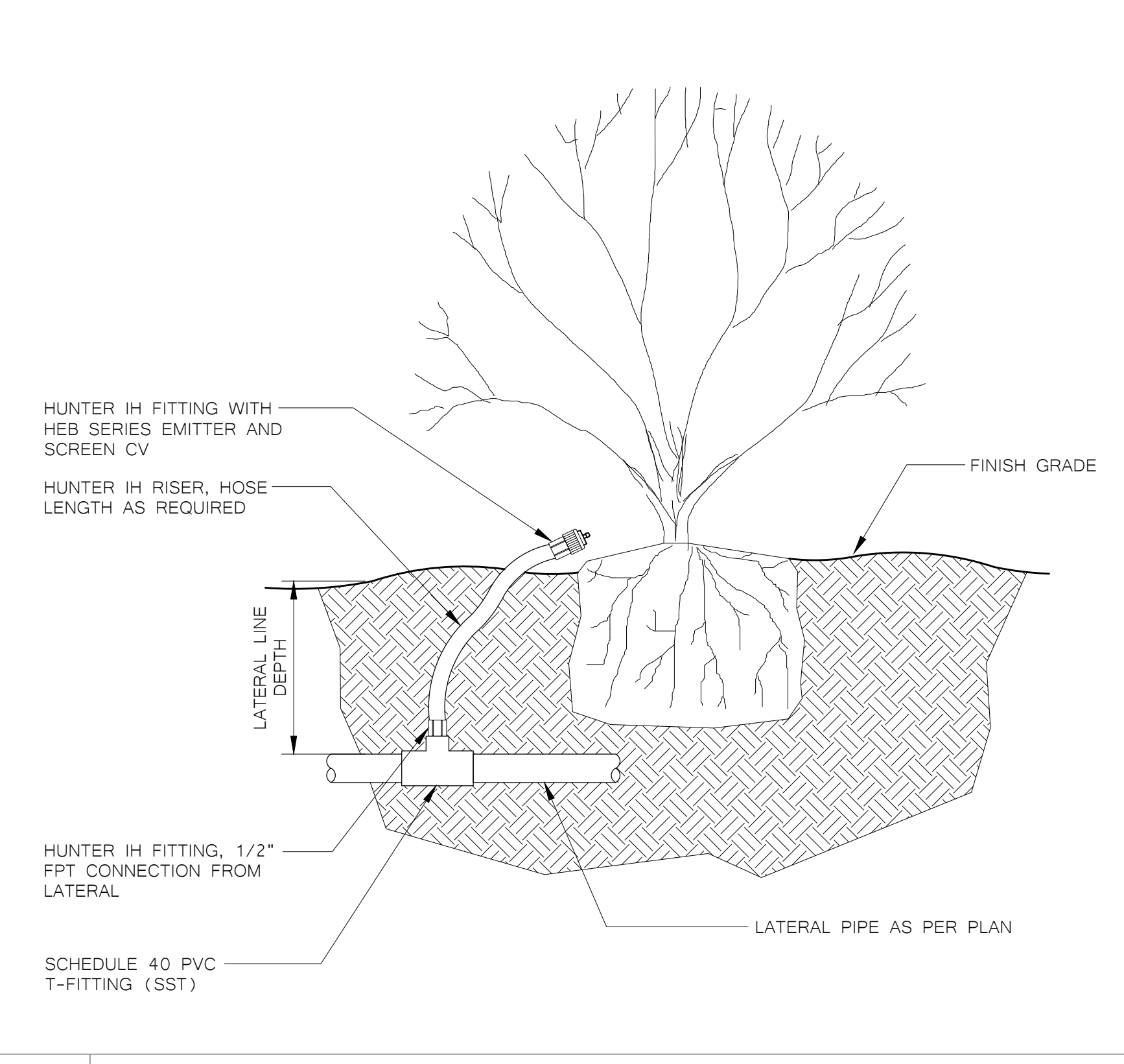
4 PRESSURE REGULATOR DRIP IRRIGATION VALVE DETAIL



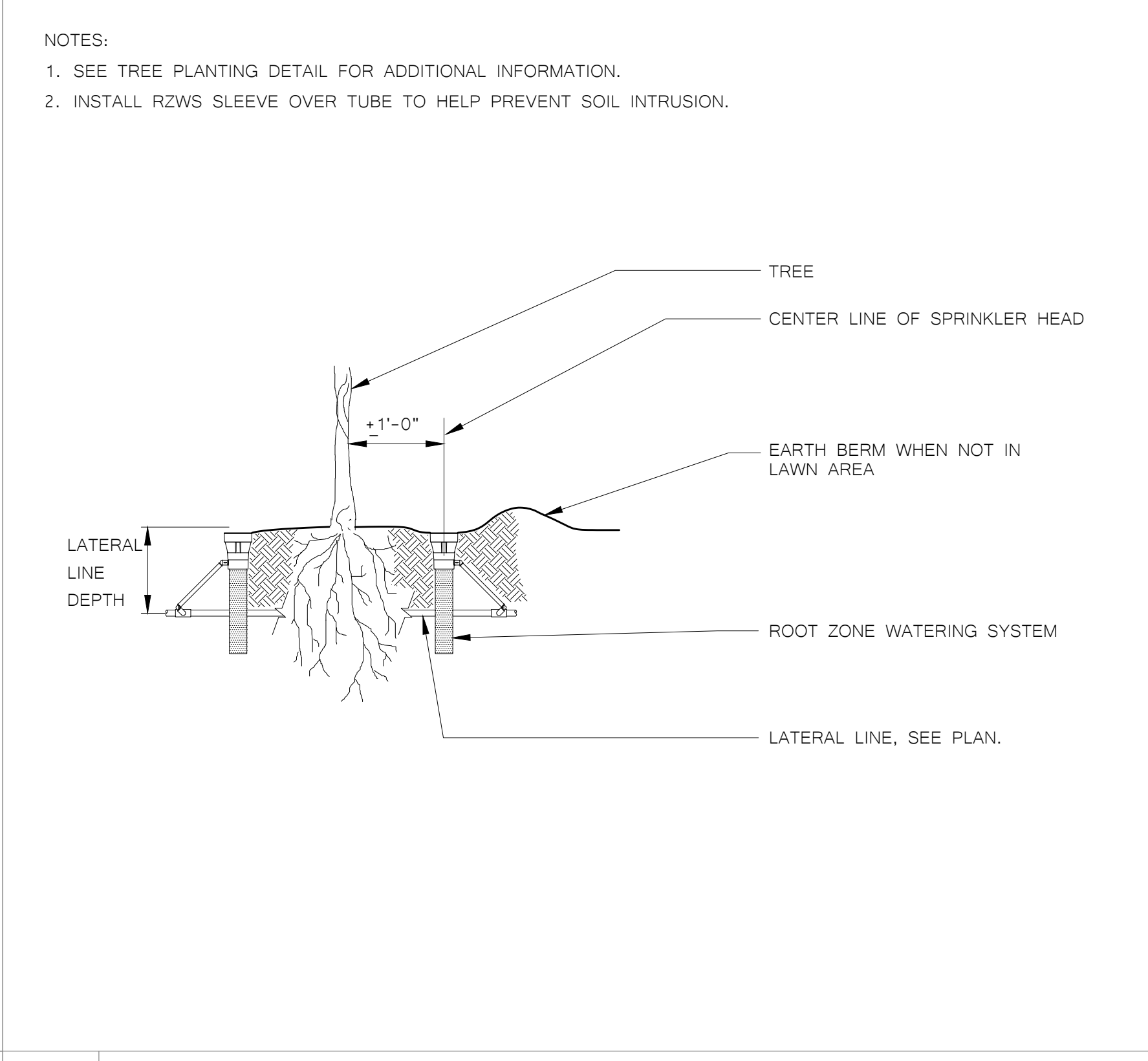
5 POP-UP ROTOR HEAD DETAIL



6 POP-UP SPRINKLER HEAD DETAIL

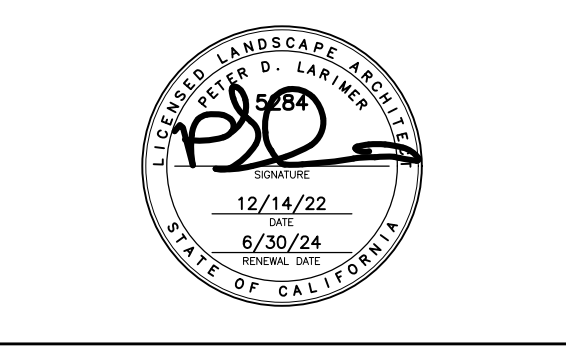


7 SHRUB BUBBLER DETAIL



8 TREE BUBBLER HEAD DETAIL

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DATE: 12/20/2022



22-58

MTW group
LANDSCAPE ARCHITECTURE
AND PLANNING
2707 K Street, Suite 201
Sacramento, CA 95816
916 369-3990

JOHN F. KENNEDY HS PARKING LOT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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LANDSCAPE IRRIGATION DETAILS

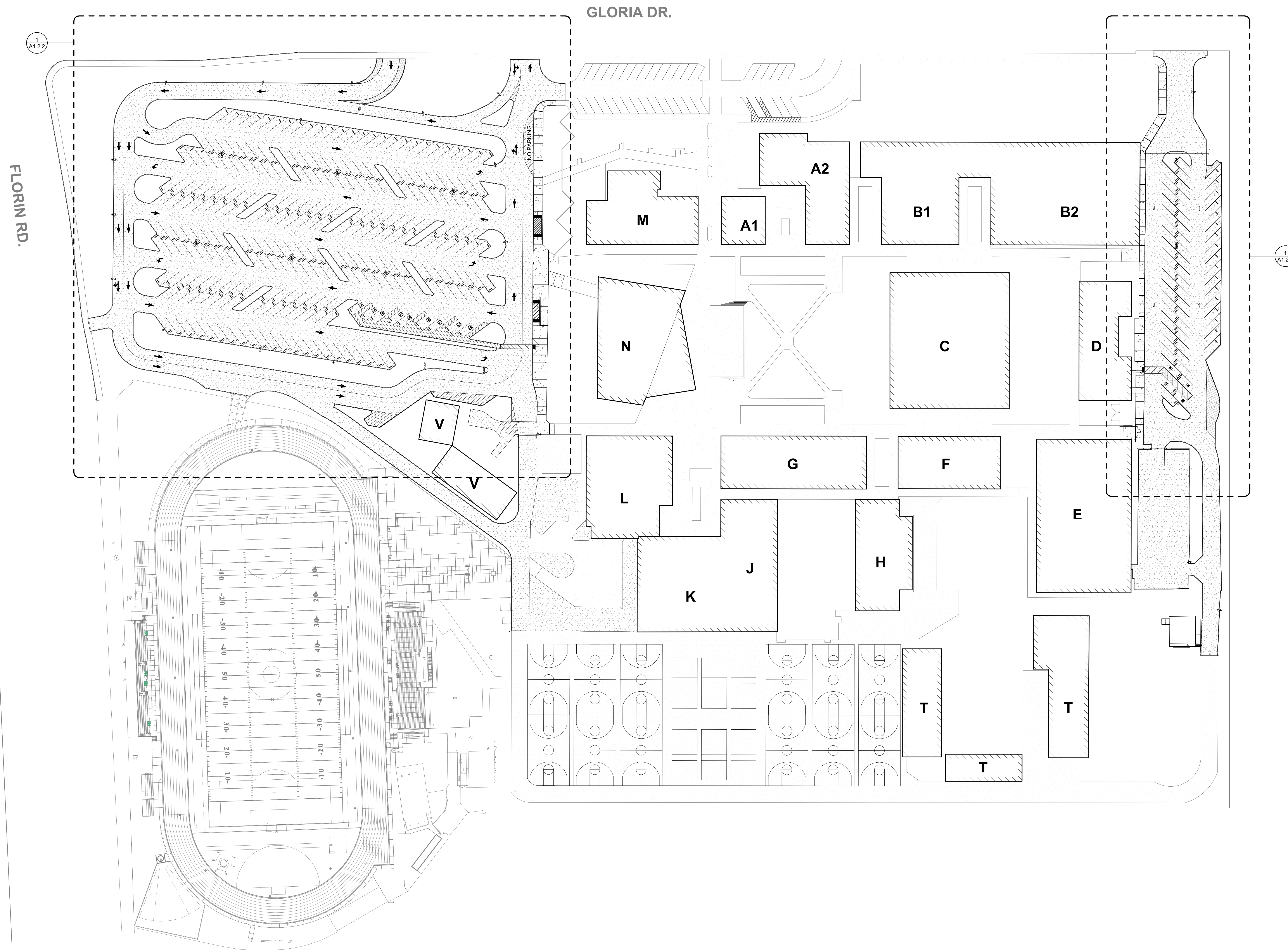
PROJECT NO. 3186-067-000
DATE: 12/22/2022
SHEET L4.2

THE LINE SHOWN ABOVE IS THE PROPERTY LINE. SEE THE PROPERTY RECORD MAP FOR THE PROPERTY LINE.

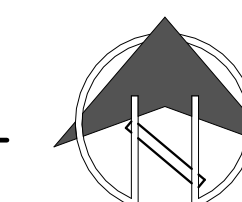
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12/15/2022 11:48:52 AM

LEGEND

- PROPERTY LINE
- - - MATCH LINE
- ORNAMENTAL FENCE
- TRUNCATED DOMES
- ☉ POLE MOUNTED LIGHT
- UNIT DESIGNATION
- EXISTING BUILDINGS
- EXPANSION JOINT
- CONCRETE WALK / PAVING CONTROL JOINT
- ASPHALT CONCRETE PAVING



1 SITE PLAN
1" = 50'-0"



AGENCY APPROVAL:

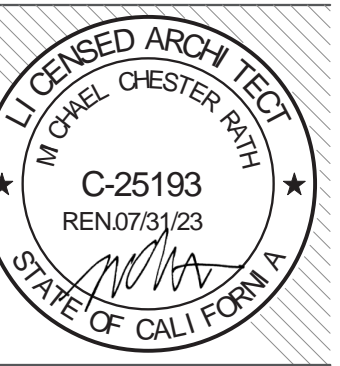
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DIV. OF THE STATE ARCHITECT
APP: 02-120928 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/20/2022



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DESCRIPTION	DATE

FACILITY:

6715 GLORIA DR.
SACRAMENTO, CA 95831

PROJECT:
JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

SHEET NAME:
OVERALL SITE PLAN

DATE: 12/20/22

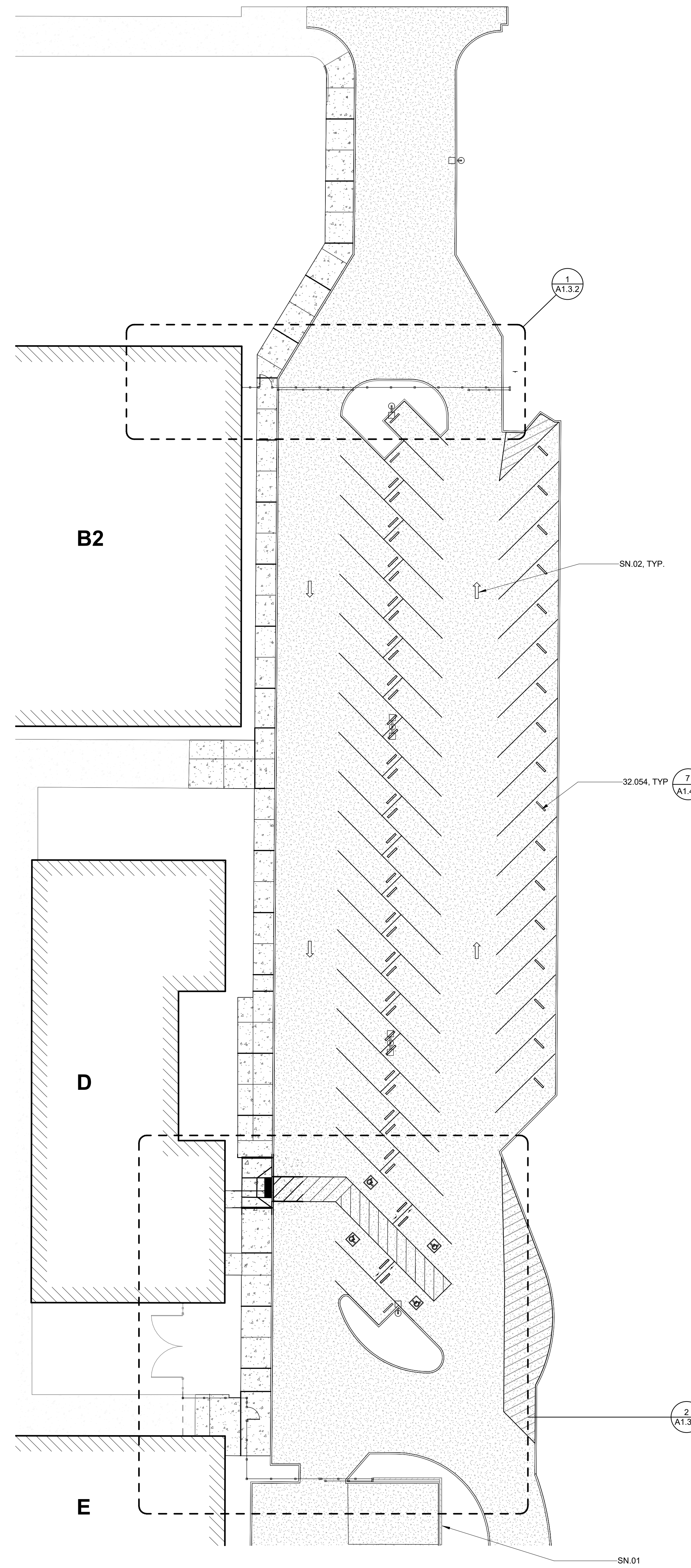
CLIENT PROJ NO:

SHEET:

A1.1.1

THE LINE SHOWN ABOVE IS
PROPERTY INFORMATION ONLY.

C:\Users\elisham\Documents\JFK PARKING LOT - NEW_alex.lisiani.rvt
12/15/2022 11:39:32 AM



LEGEND

- PROPERTY LINE
- - - MATCH LINE
- UNIT DESIGNATION
EXISTING BUILDINGS
- EXPANSION JOINT
(20'-0" MAX. SPACING)
CONCRETE WALK / PAVING
- CONTROL JOINT
(10'-0" MAX. SPACING)
- ASPHALT CONCRETE
PAVING
- ORNAMENTAL FENCE
- POLE MOUNTED
LIGHT

AGENCY
APPROVAL:

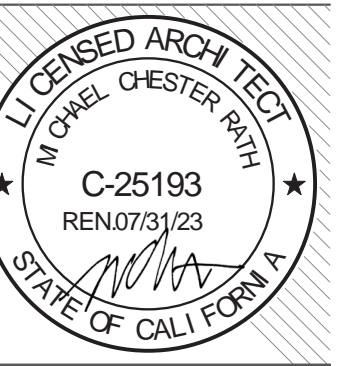
IDENTIFICATION STAMP
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DESCRIPTION	DATE

KEYNOTES

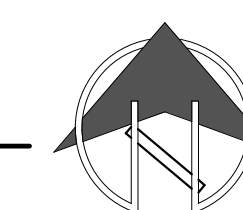
32.054 PRECAST CONCRETE BUMPER

SHEET NOTES

SN.01 (E) CMU WALL
SN.02 DIRECTIONAL ARROW. PAINT IN WHITE U.O.N.
SEE DETAIL.

13
A1.4.2

1 EAST PARKING LOT - ENLARGED IMPROVEMENT PLAN
1" = 20'-0"



FACILITY:

6715 GLORIA DR.
SACRAMENTO, CA 95831

PROJECT:
JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

SHEET NAME:
EAST PARKING LOT - IMPROVEMENT PLAN

DATE: 12/20/22

CLIENT PROJ NO:

SHEET:

A1.2.1

LEGEND

- PROPERTY LINE
- - - MATCH LINE
- ▨ UNIT DESIGNATION
- ▨ EXISTING BUILDINGS
- ▨ EXPANSION JOINT
- ▨ CONCRETE WALK / PAVING CONTROL JOINT
- ▨ ASPHALT CONCRETE PAVING
- ORNAMENTAL FENCE
- TRUNCATED DOMES
- ☐ POLE MOUNTED LIGHT

AGENCY APPROVAL:

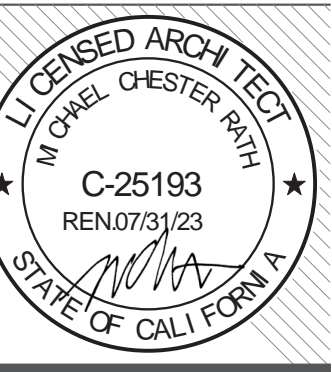
IDENTIFICATION STAMP
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ISSUE

DESCRIPTION	DATE
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KEYNOTES

10.034	SIGNAGE: PARKING LOT ENTRANCE
32.054	PRECAST CONCRETE BUMPER

SHEET NOTES

- SN.01 DIRECTIONAL ARROW, PAINT IN WHITE U.O.N. SEE DETAIL 13 A1.4.2
- SN.02 4" WIDE LINE STRIPING, PAINT IN WHITE U.O.N. PAINT SIDE AND TOP OF CURB RED, FOR THE ENTIRE EXTENT OF CURB. PAINT "FIRE LANE - NO PARKING" WORDINGS ON CURB
- SN.03 4" WIDE LINE STRIPING SPACED AT 3' - 0" O.C. PAINT IN WHITE U.O.N.
- SN.04 PAINT "NO PARKING" IN WHITE LETTERING, CENTERED IN AISLE

FACILITY:

6715 GLORIA DR.
SACRAMENTO, CA 95831

PROJECT:
JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

SHEET NAME:
WEST PARKING LOT IMPROVEMENT PLAN

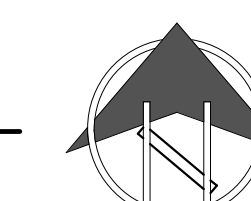
DATE: 12/20/22

CLIENT PROJ NO:

SHEET:

A1.2.2

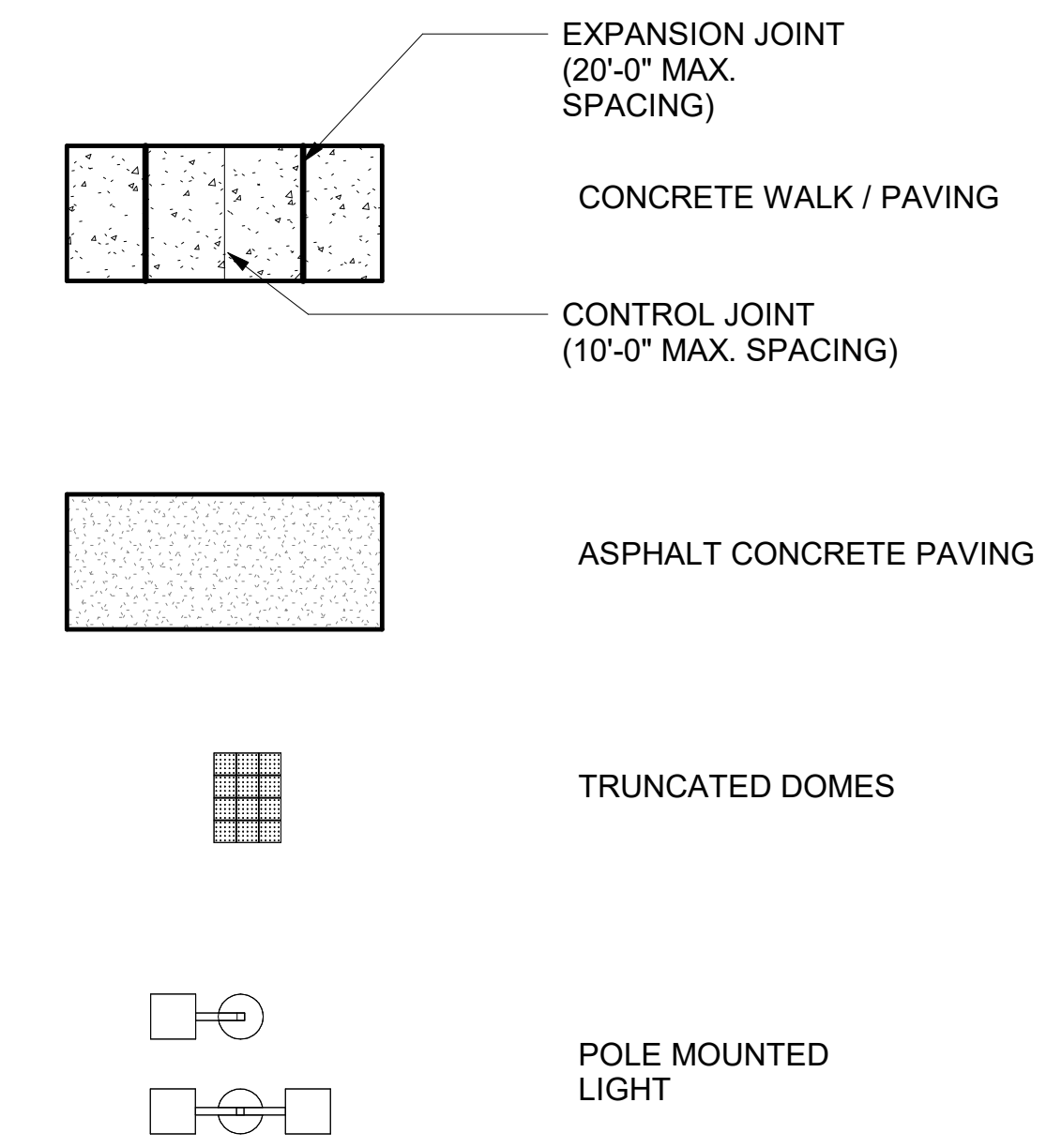
1 WEST PARKING LOT - ENLARGED IMPROVEMENT PLAN
1" = 30'-0"



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LEGEND



AGENCY APPROVAL:

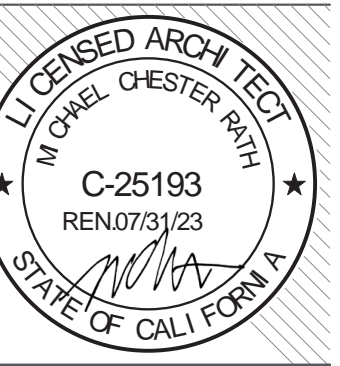
IDENTIFICATION STAMP
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ISSUE	DATE
DESCRIPTION	DATE

KEYNOTES

- 03.320 CONCRETE CURB
- 10.031 SIGNAGE: DISABLED ACCESSIBLE PARKING STALL
- 10.032 SIGNAGE: VAN ACCESSIBLE PARKING STALL
- 32.054 PRECAST CONCRETE BUMPER

NOTES

- SN.01 OUTSIDE EDGE OF VEHICULAR WAY
- SN.02 BORDER AT ACCESS AISLE: 4" WIDE BLUE PAINTED LINE
- SN.03 4" WIDE LINE STRIPING, SPACED AT 3'-0" O.C. PAINT IN WHITE U.O.N.
- SN.04 PAINT "NO PARKING" IN 12" HIGH LETTERS MIN., CENTER WITHIN THE ACCESS AISLE. PAINT SHALL BE WHITE. TYPICAL PAINTED DISABLED ACCESSIBLE SYMBOL. SEE DETAIL 12/A1.4.2
- SN.05
- SN.06 4" WIDE LINE STRIPING, PAINT IN WHITE U.O.N.
- SN.07 ACCESSIBLE VAN PARKING STALL



1 WEST PARKING LOT - ACCESSIBLE PARKING
 1/8" = 1'-0"

FACILITY:

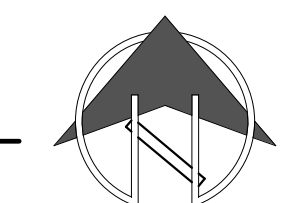
6715 GLORIA DR.
 SACRAMENTO, CA 95831

PROJECT:
 JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

SHEET NAME:
 ENLARGED PLAN

DATE: 12/20/22 CLIENT PROJ NO:

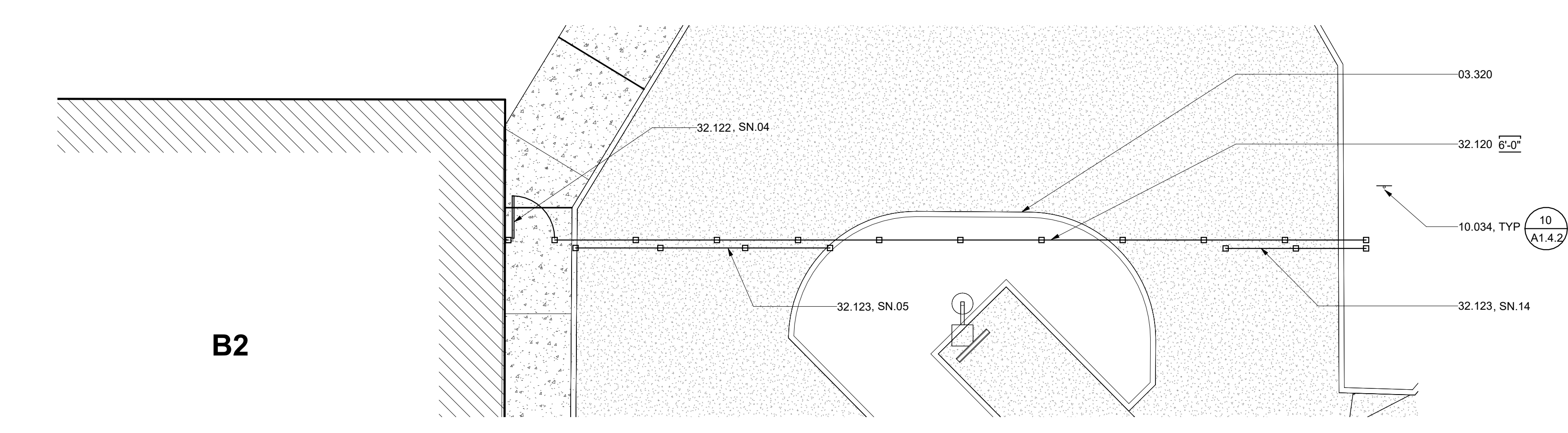
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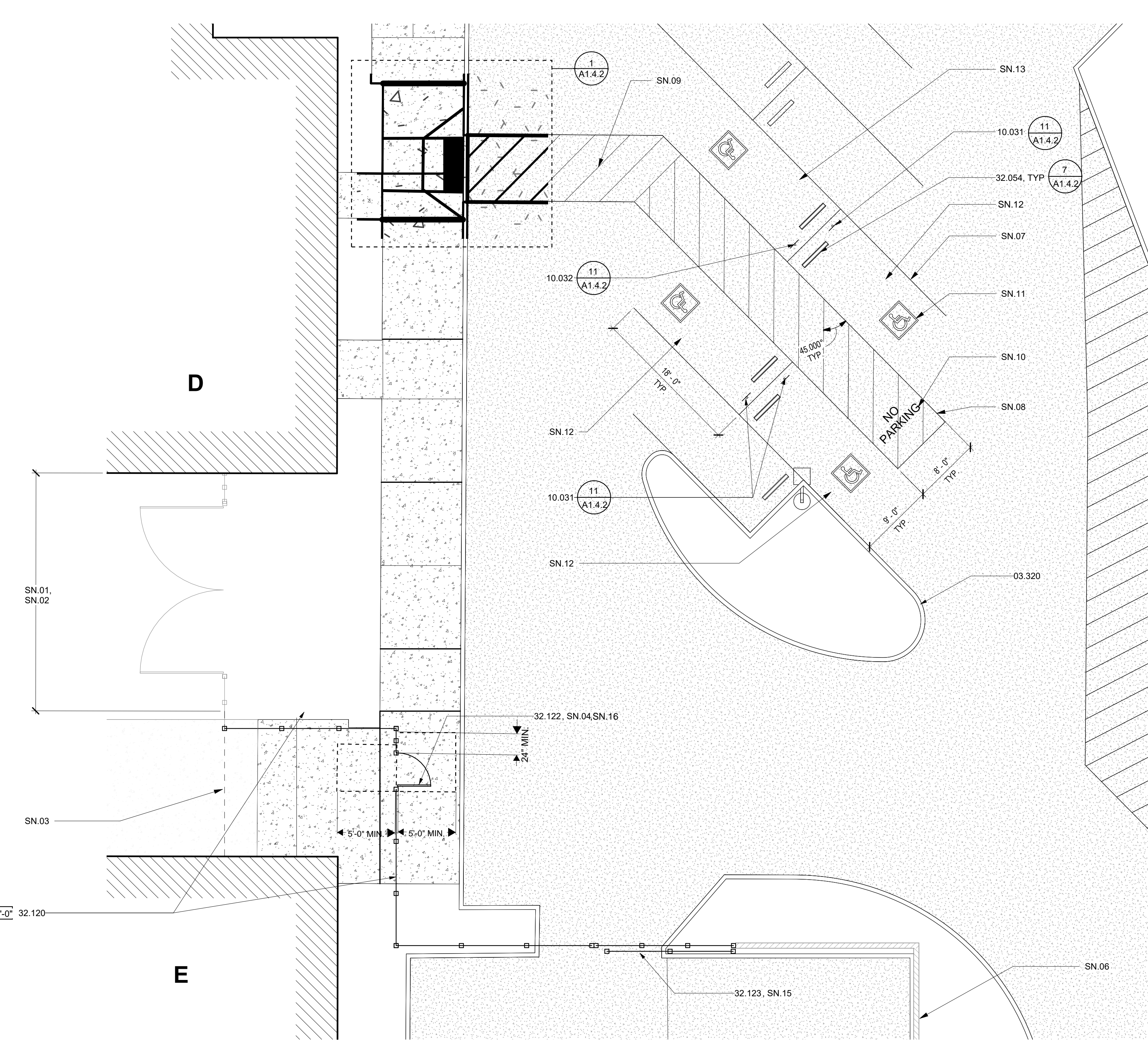
A1.3.1

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1 EAST PARKING LOT - NORTH FENCING
1/8" = 1'-0"



2 EAST PARKING LOT - ACCESSIBLE PARKING STALLS AND SOUTH FENCING
1/8" = 1'-0"

LEGEND

- UNIT DESIGNATION
- EXISTING BUILDINGS
- EXPANSION JOINT (20'-0" MAX. SPACING)
- CONCRETE WALK / PAVING
- CONTROL JOINT (10'-0" MAX. SPACING)
- ASPHALT CONCRETE PAVING
- ORNAMENTAL FENCE
- CMU WALL
- FENCE OR WALL HEIGHT
- TRUNCATED DOMES
- POLE MOUNTED LIGHT

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DESCRIPTION	DATE

KEYNOTES

03.320	CONCRETE CURB
10.031	SIGNAGE: DISABLED ACCESSIBLE PARKING STALL
10.032	SIGNAGE: VAN ACCESSIBLE PARKING STALL
10.034	SIGNAGE: PARKING LOT ENTRANCE
32.054	PRECAST CONCRETE BUMPER
32.120	ORNAMENTAL METAL FENCE
32.122	ORNAMENTAL METAL GATE
32.123	ORNAMENTAL METAL ROLLING GATE

SHEET NOTES

SN.01	(E) ORNAMENTAL METAL FENCE
SN.02	(E) ORNAMENTAL METAL DOUBLE GATE
SN.03	REMOVE (E) FENCING
SN.04	4'-0" WIDE AND 6'-0" HIGH ORNAMENTAL METAL SINGLE GATE WITH KICK PLATE. SEE DETAIL
SN.05	(+/-) 20'-0" WIDE AND 6'-0" HIGH ORNAMENTAL METAL ROLLING GATE. GATE WIDTH TO BE AS WIDE AS DRIVEWAY WIDTH. VERIFY DRIVEWAY WIDTH IN FIELD. SEE DETAIL
SN.06	(E) CMU WALL
SN.07	4" WIDE LINE STRIPING. PAINT IN WHITE U.O.N.
SN.08	BORDER AT ACCESS AISLE. 4" WIDE BLUE PAINTED LINE
SN.09	4" WIDE LINE STRIPING, SPACED AT 3'-0" O.C. PAINT IN WHITE U.O.N.
SN.10	PAINT THE WORDS "NO PARKING" IN 12" HIGH LETTERS MIN. CENTER "NO PARKING" WITHIN THE ACCESS AISLE
SN.11	TYPICAL PAINTED DISABLED ACCESSIBLE SYMBOL. SEE DETAIL
SN.12	ACCESSIBLE PARKING STALL
SN.13	ACCESSIBLE VAN PARKING STALL
SN.14	(+/-) 17'-0" WIDE AND 6'-0" HIGH ORNAMENTAL METAL ROLLING GATE. GATE WIDTH TO BE AS WIDE AS DRIVEWAY WIDTH. VERIFY DRIVEWAY WIDTH IN FIELD. SEE DETAIL
SN.15	(+/-) 14'-0" WIDE AND 6'-0" HIGH ORNAMENTAL METAL ROLLING GATE. GATE WIDTH TO BE AS WIDE AS DRIVEWAY WIDTH. VERIFY DRIVEWAY WIDTH IN FIELD. SEE DETAIL
SN.16	GATE LANDING SHALL BE 1.9% MAX. BOTH DIRECTIONS

FACILITY:

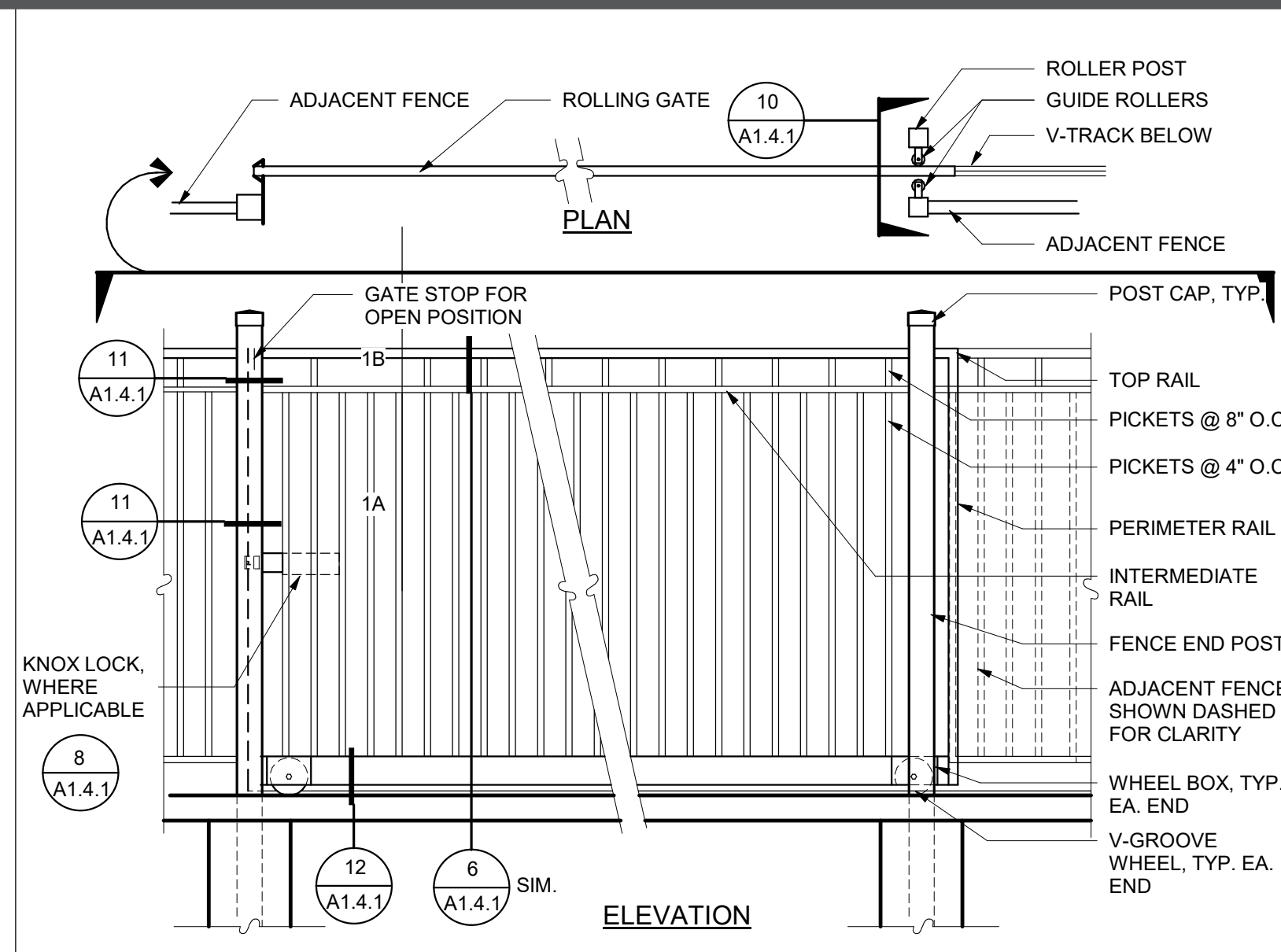
**6715 GLORIA DR.
SACRAMENTO, CA 95831**

PROJECT:
JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

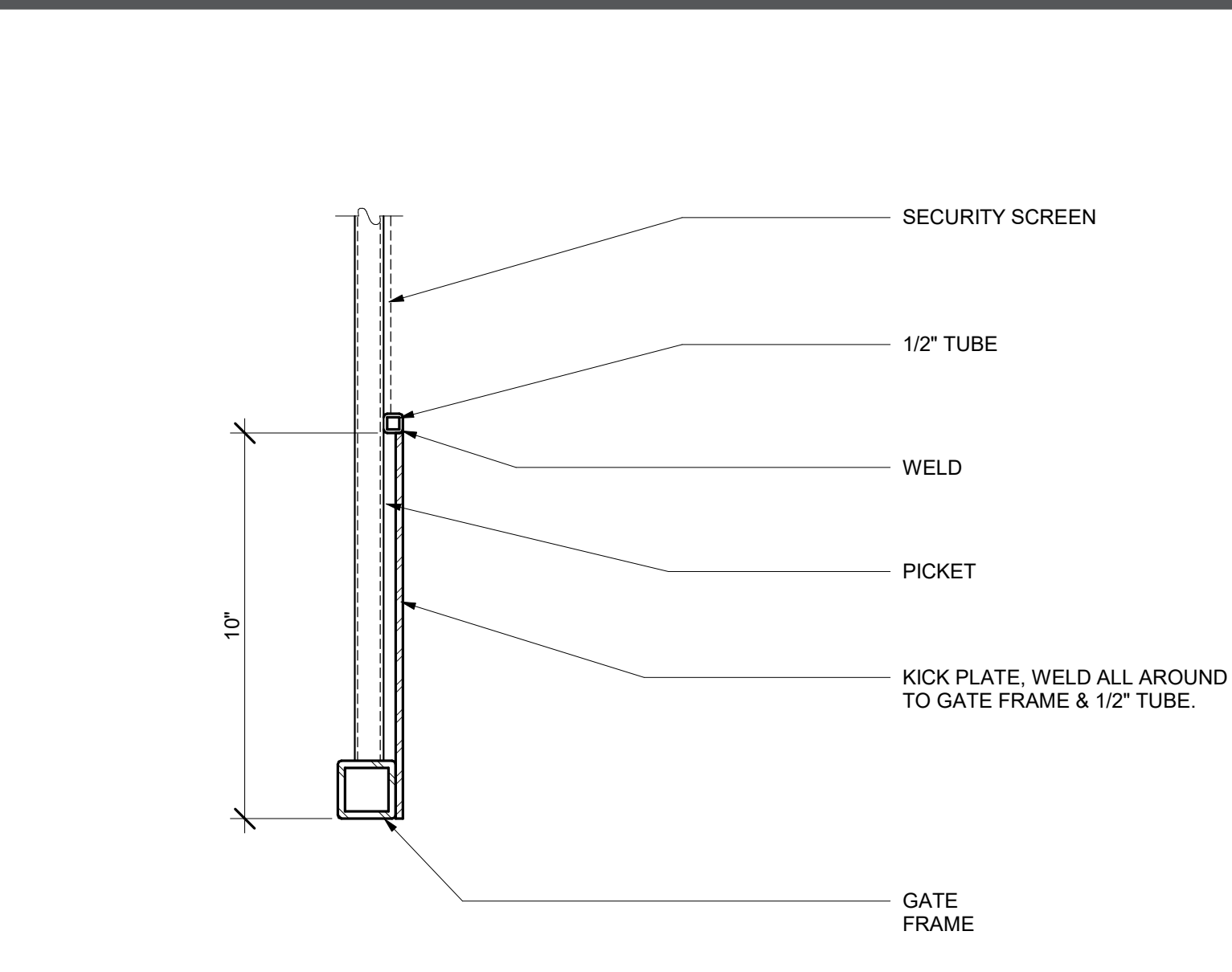
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DATE: 12/20/22
CLIENT PROJ NO:

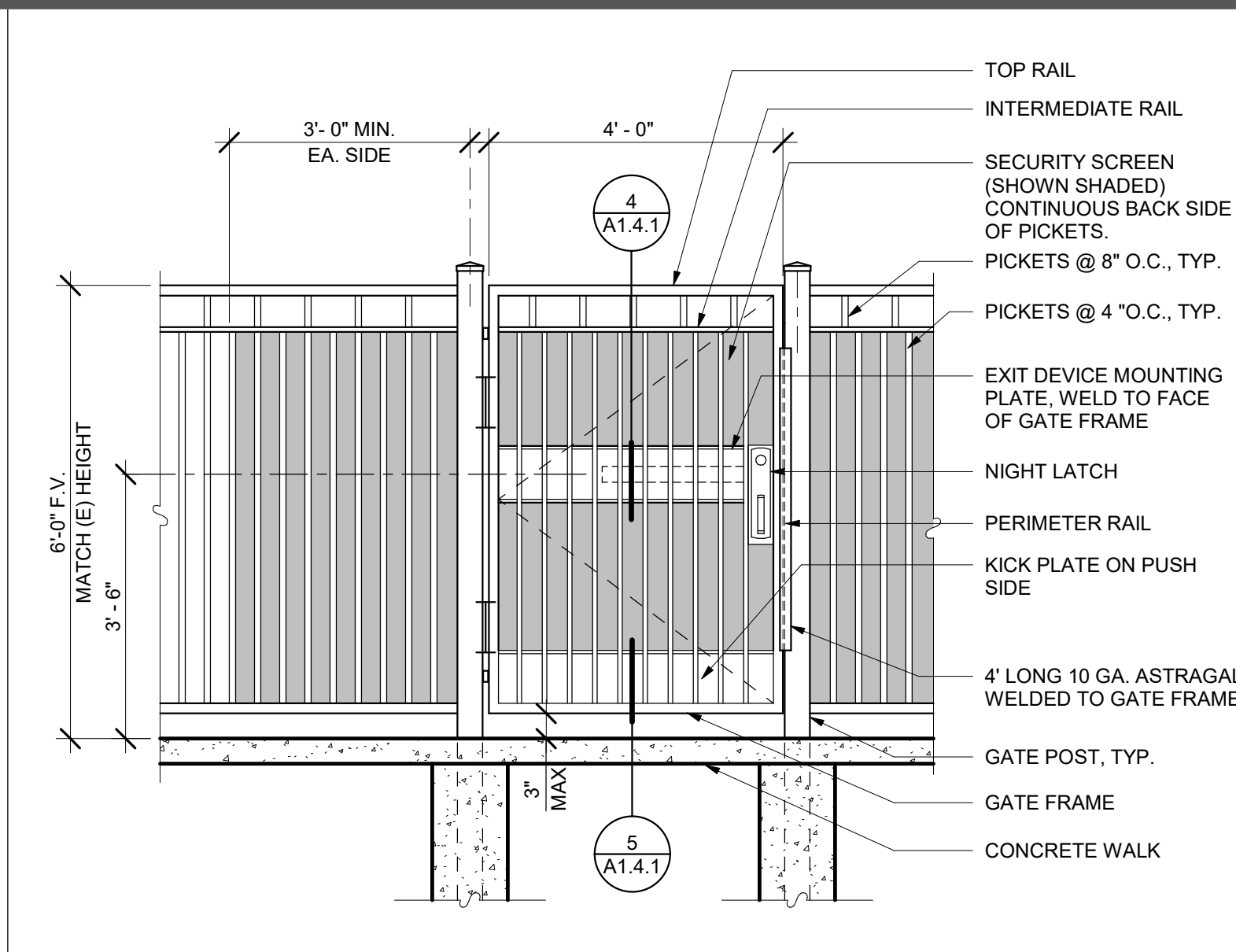
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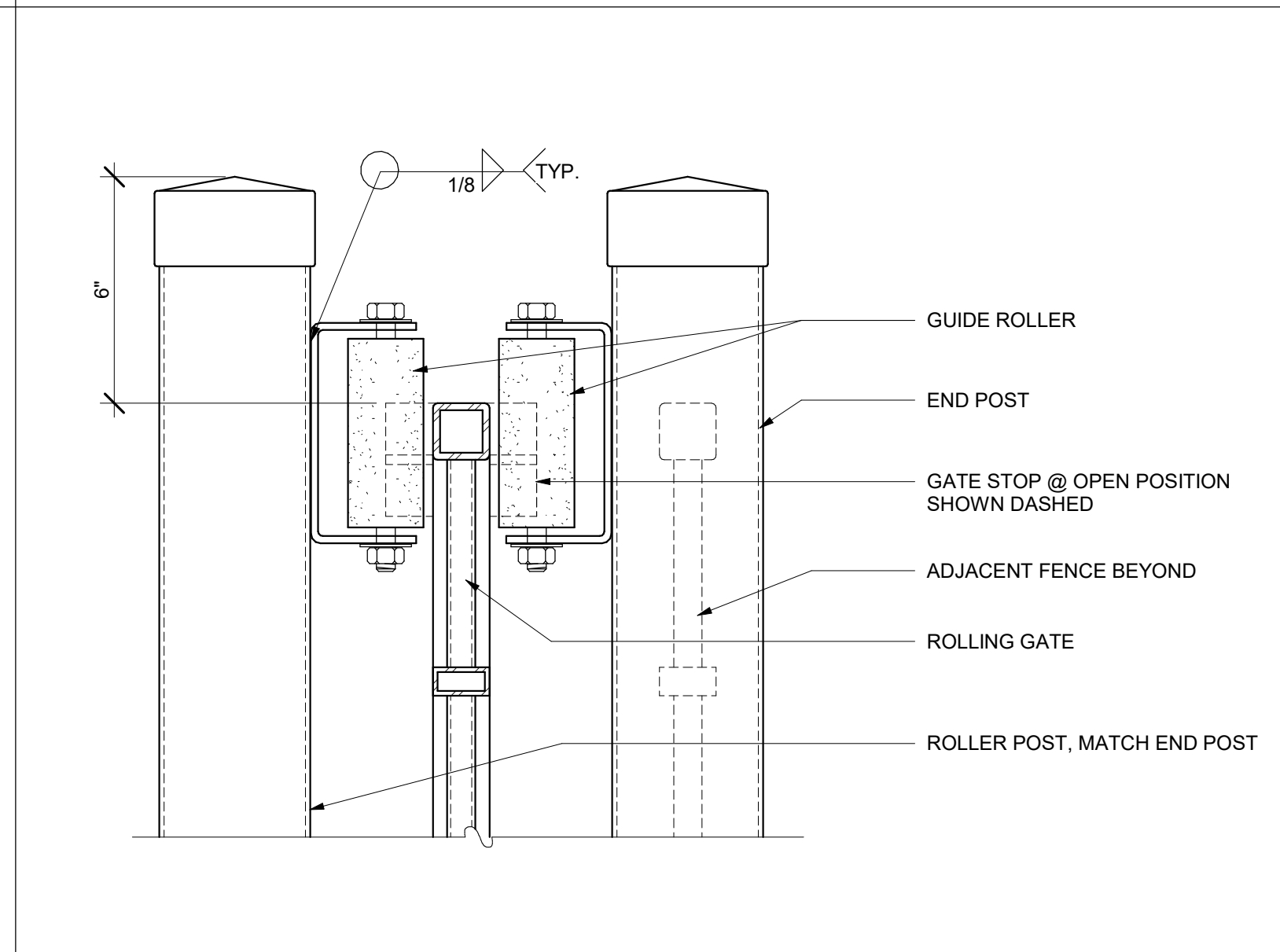
9 ROLLING ORNAMENTAL METAL GATE
1/2" = 1'-0"



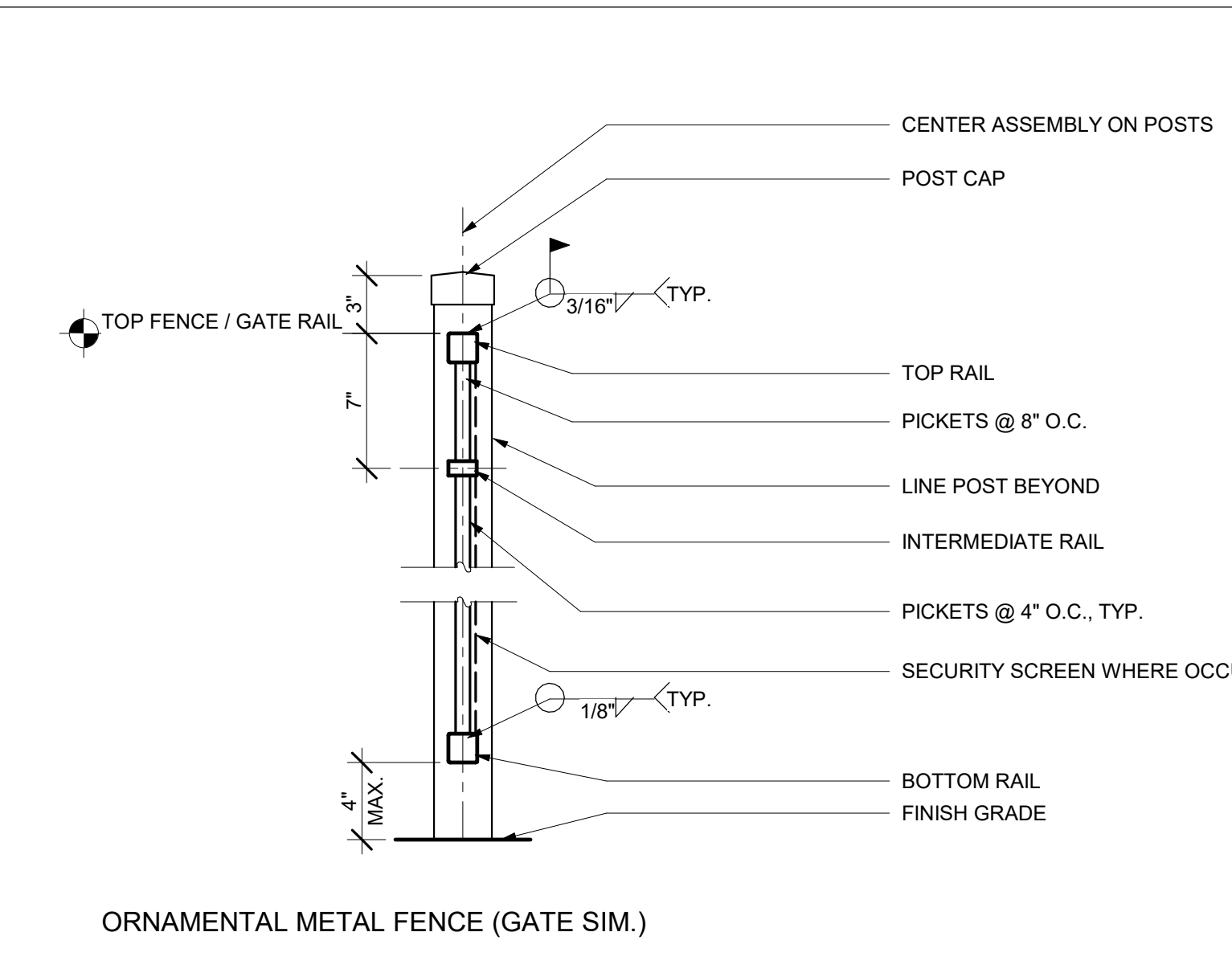
5 KICK PLATE
3" = 1'-0"



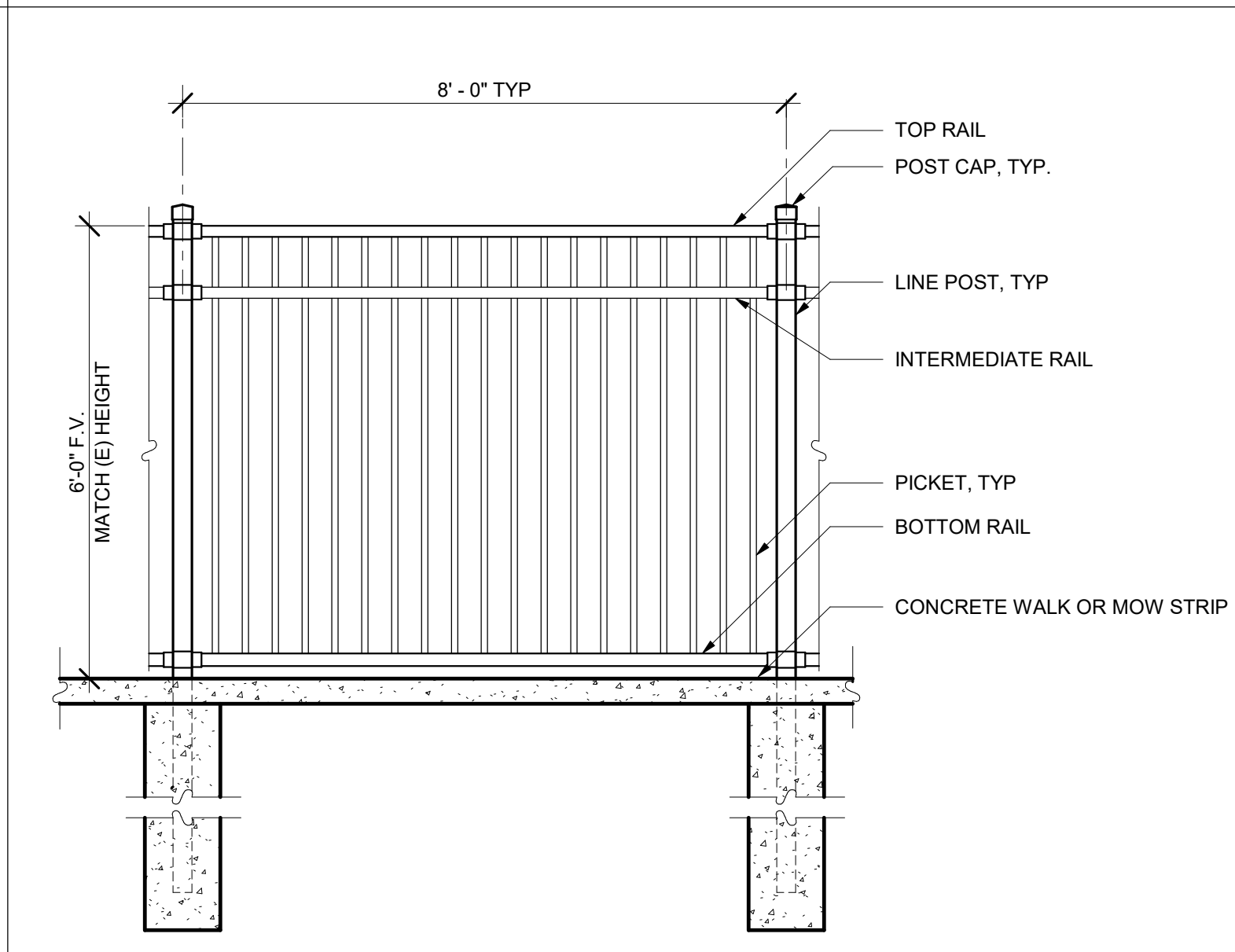
1 ORNAMENTAL METAL FENCE & GATE
1/2" = 1'-0"



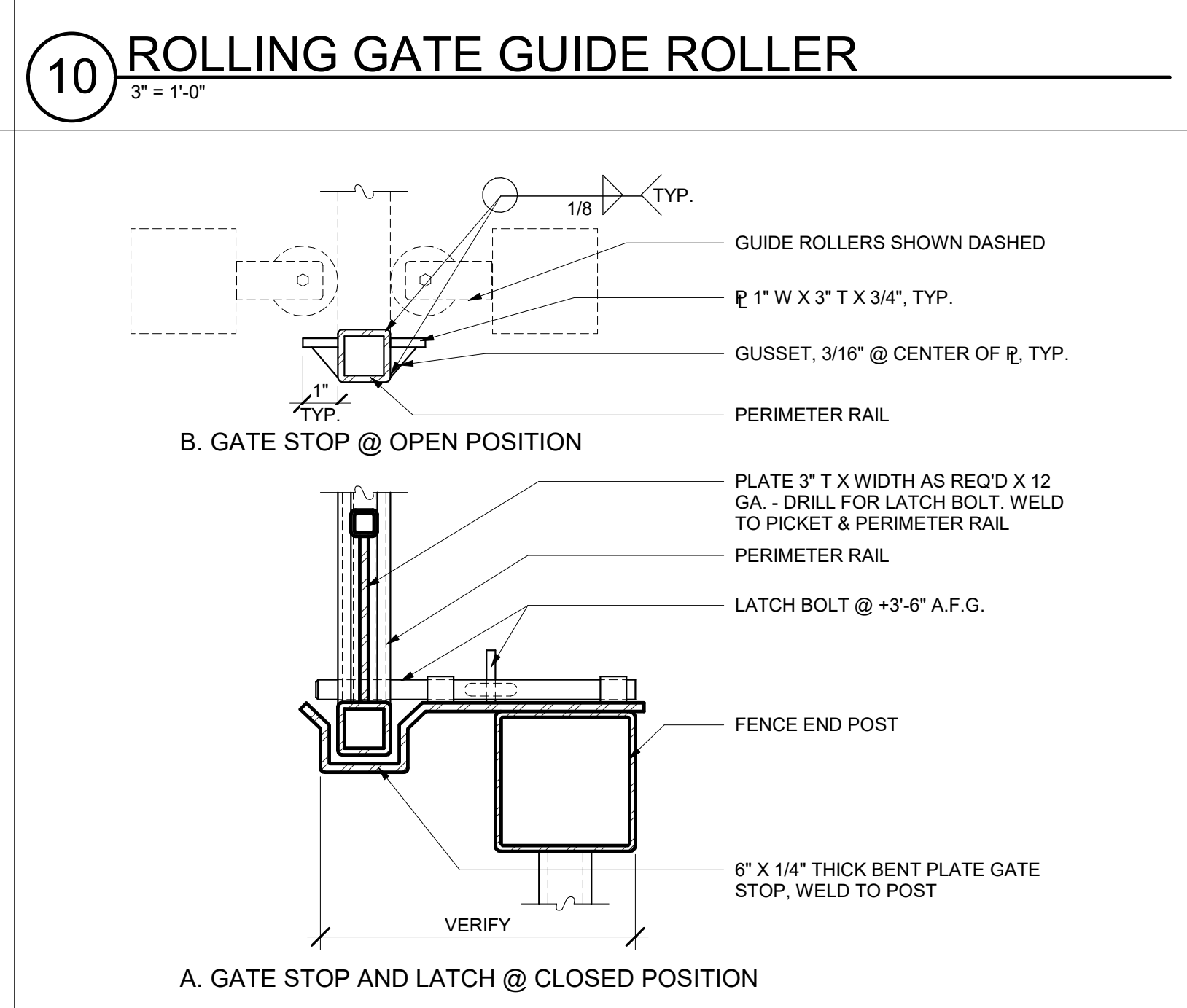
10 ROLLING GATE GUIDE ROLLER
3" = 1'-0"



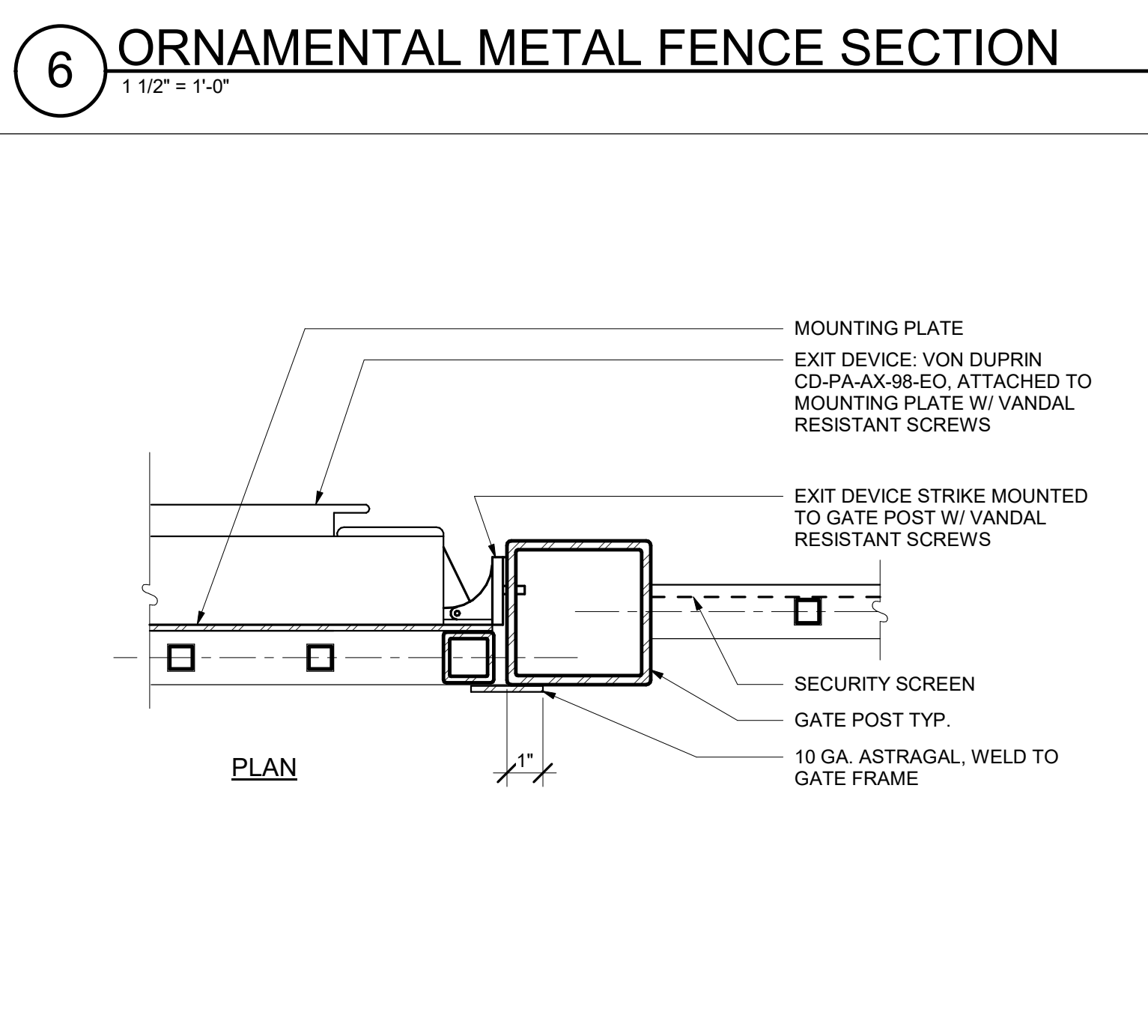
6 ORNAMENTAL METAL FENCE SECTION
1 1/2" = 1'-0"



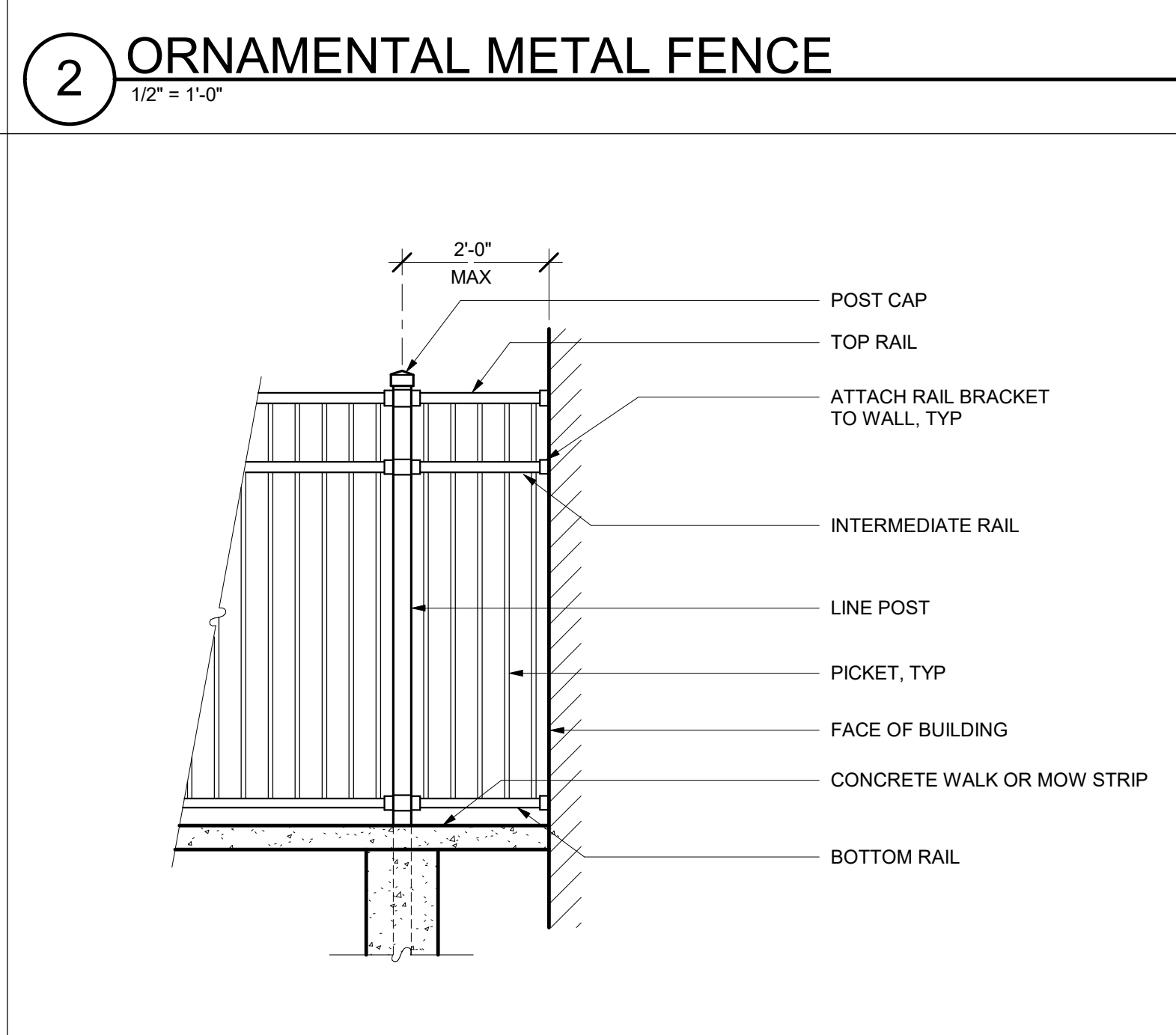
2 ORNAMENTAL METAL FENCE
1/2" = 1'-0"



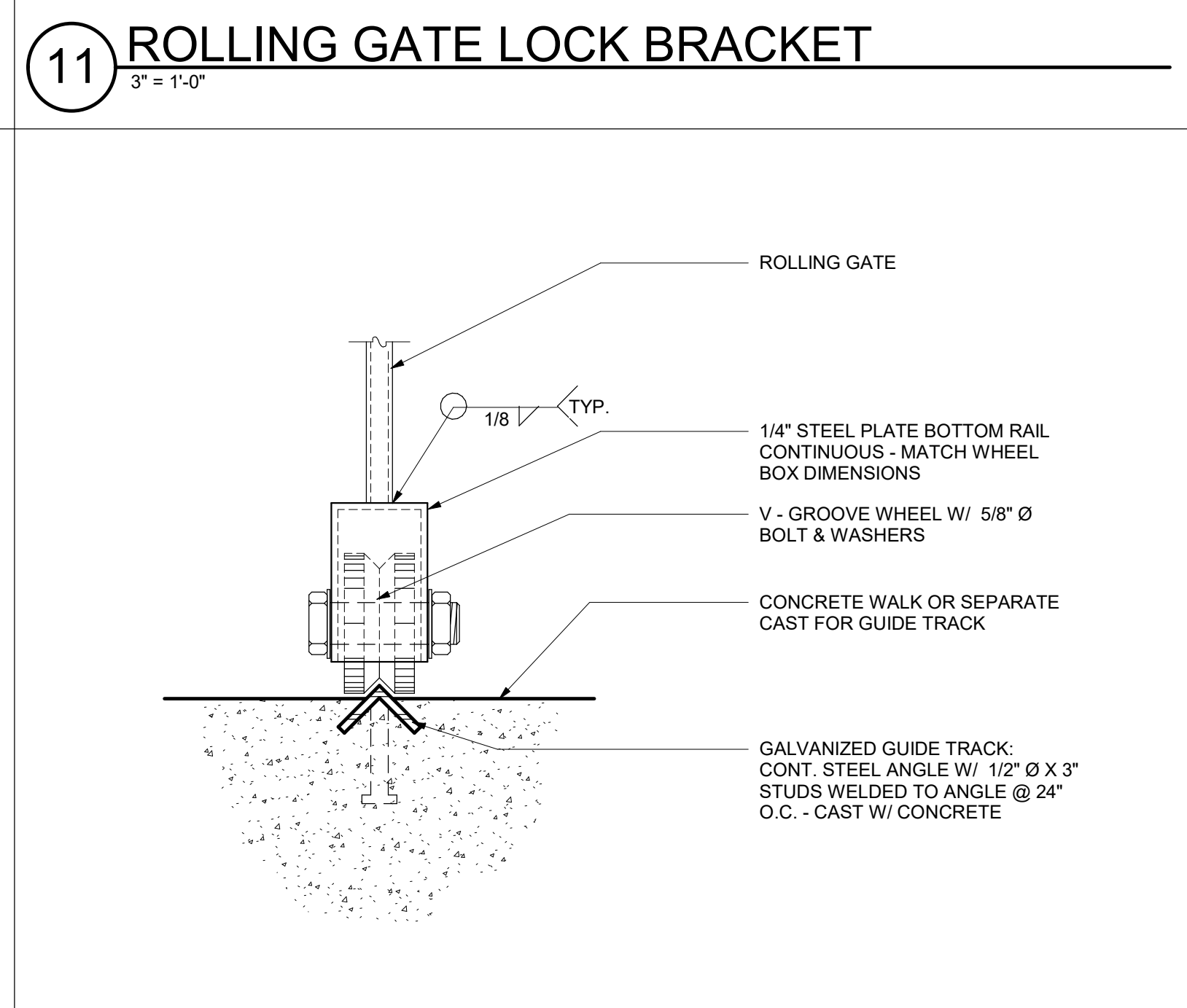
11 ROLLING GATE LOCK BRACKET
3" = 1'-0"



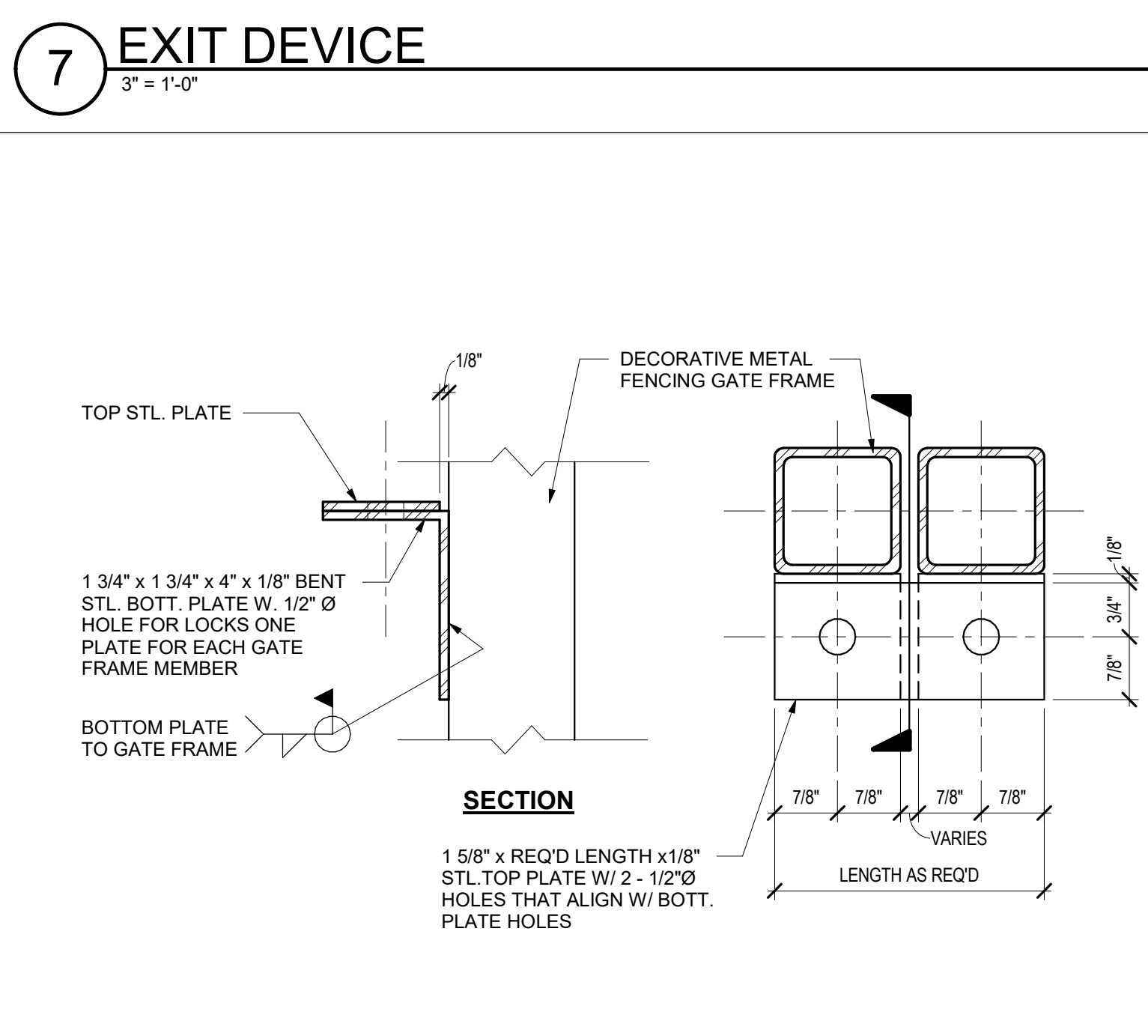
7 EXIT DEVICE
3" = 1'-0"



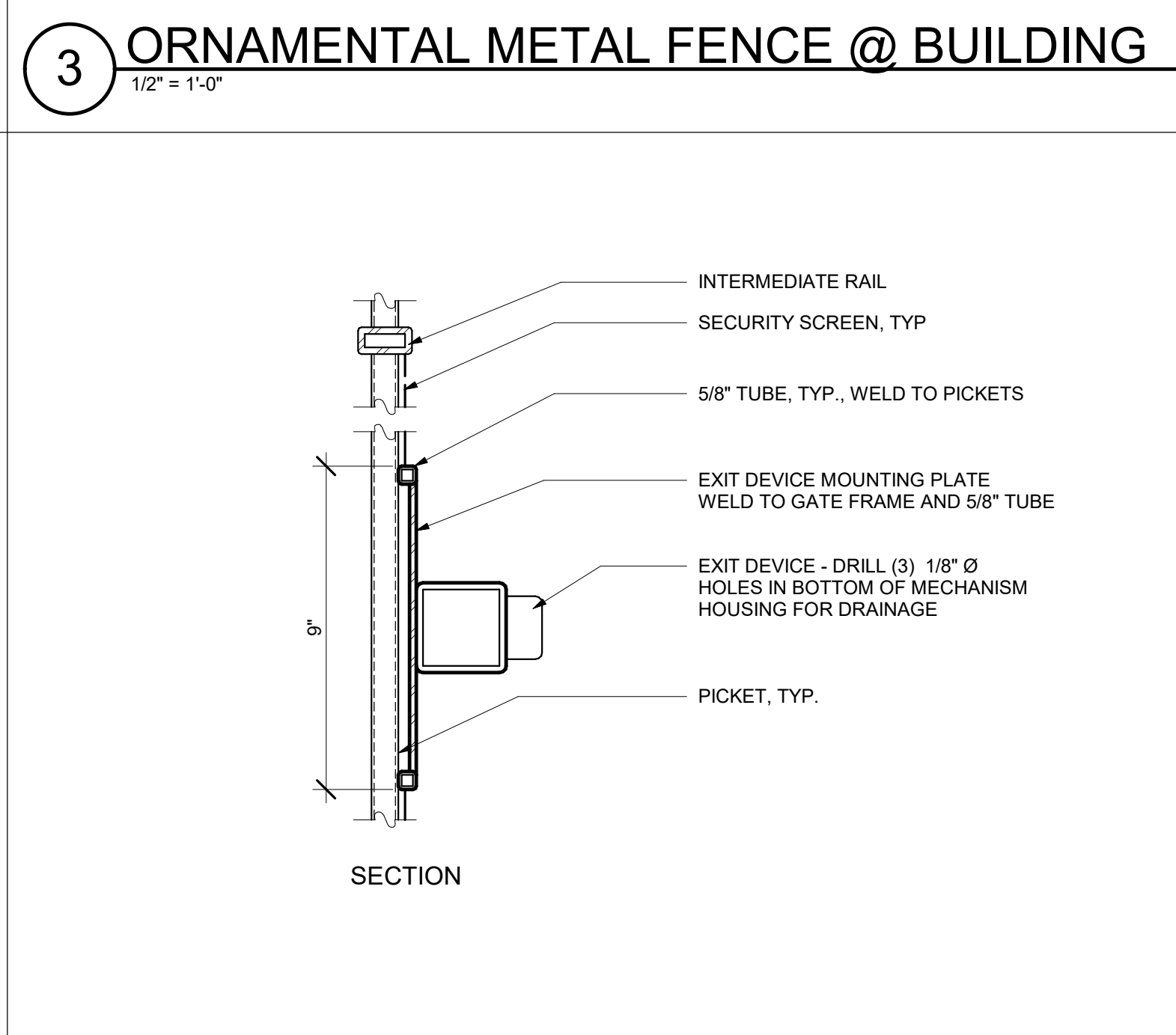
3 ORNAMENTAL METAL FENCE @ BUILDING
1/2" = 1'-0"



12 ROLLING GATE WHEEL
3" = 1'-0"



8 KNOX LOCK GATE DETAIL
6" = 1'-0"



4 MOUNTING PLATE
3" = 1'-0"

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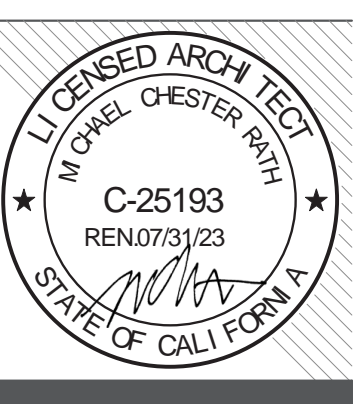


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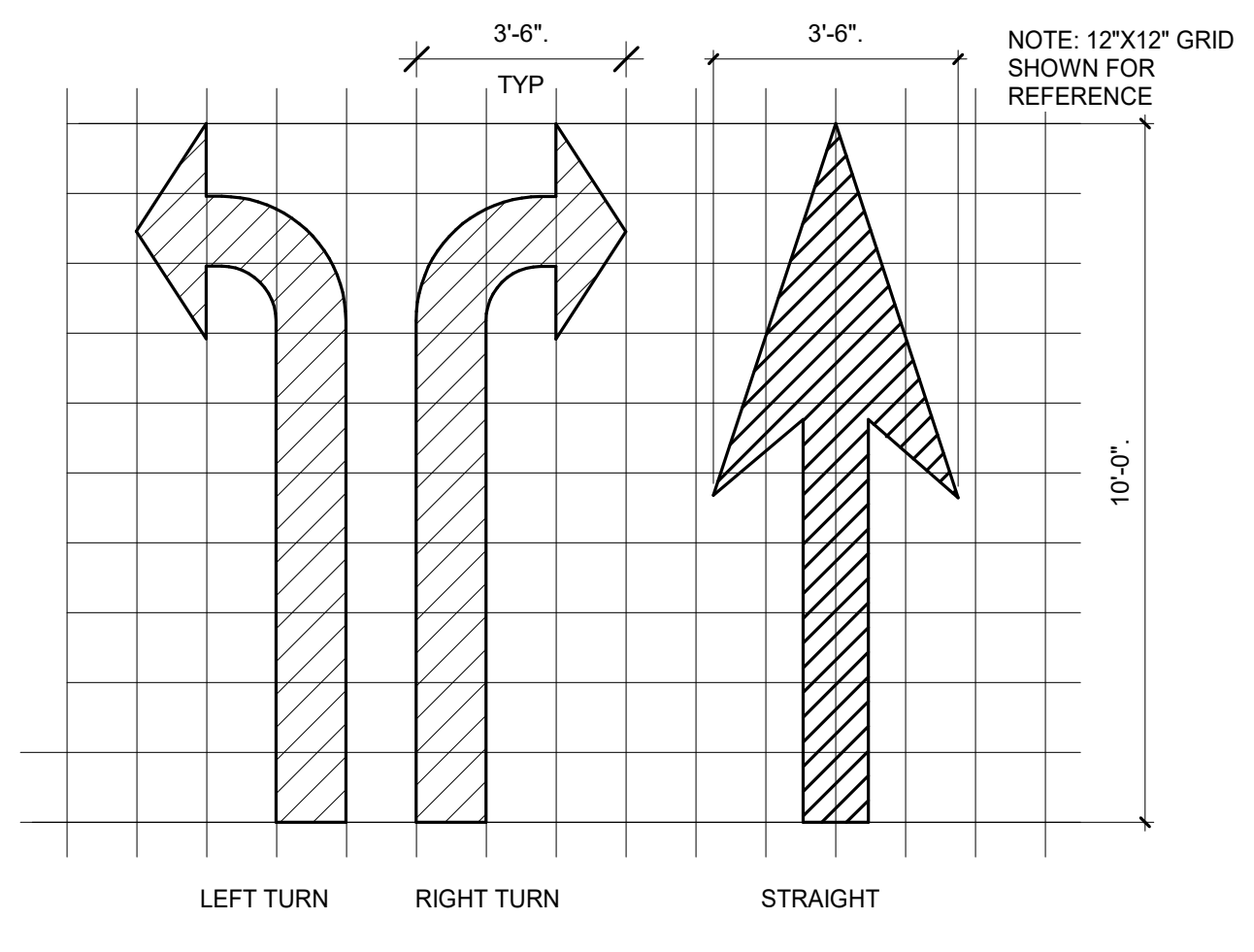
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**6715 GLORIA DR.
SACRAMENTO, CA 95831**

PROJECT:
JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

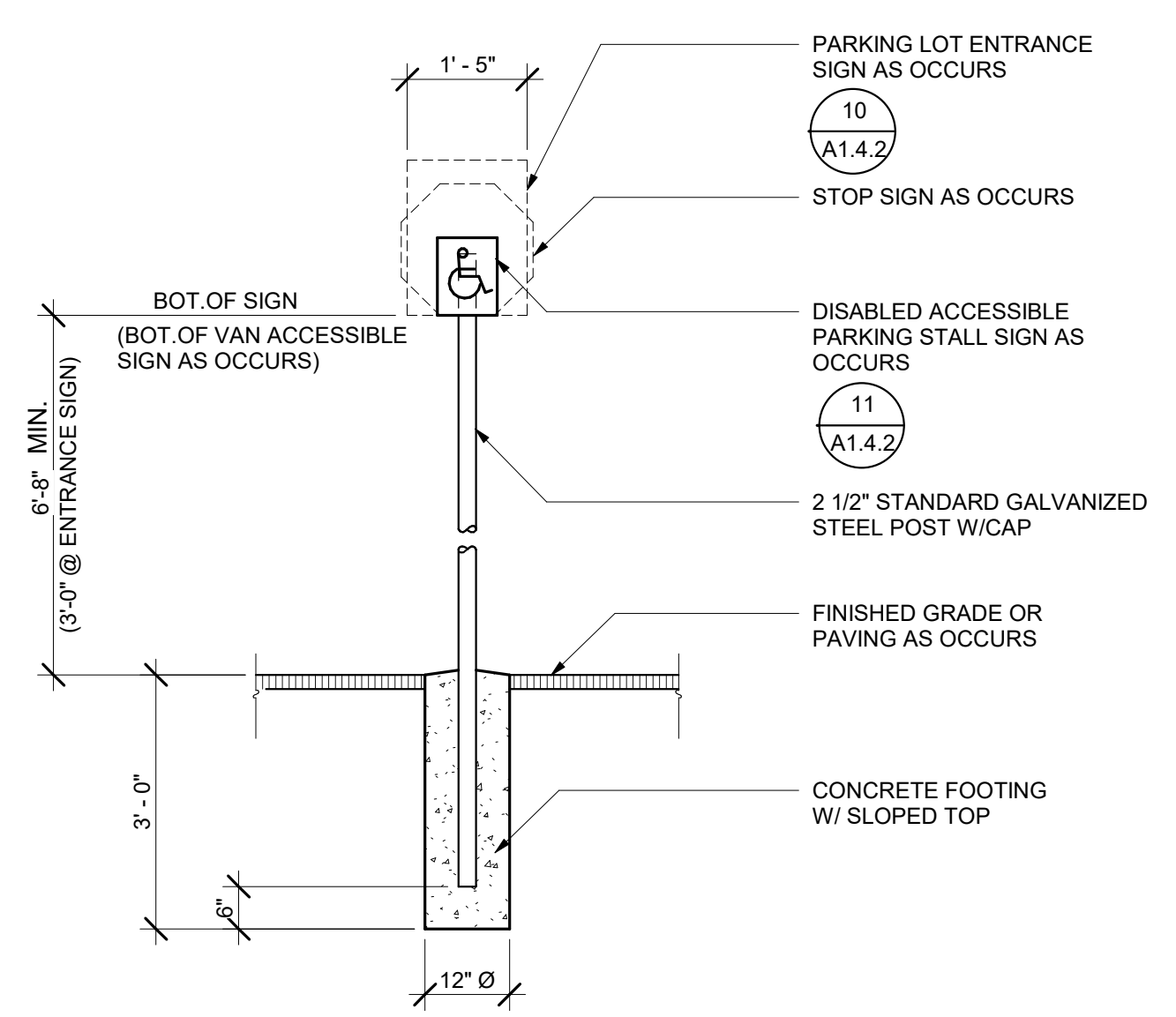
SHEET NAME:
SITE DETAILS - FENCES AND GATES

DATE: 12/20/22 CLIENT PROJ NO:
SHEET:

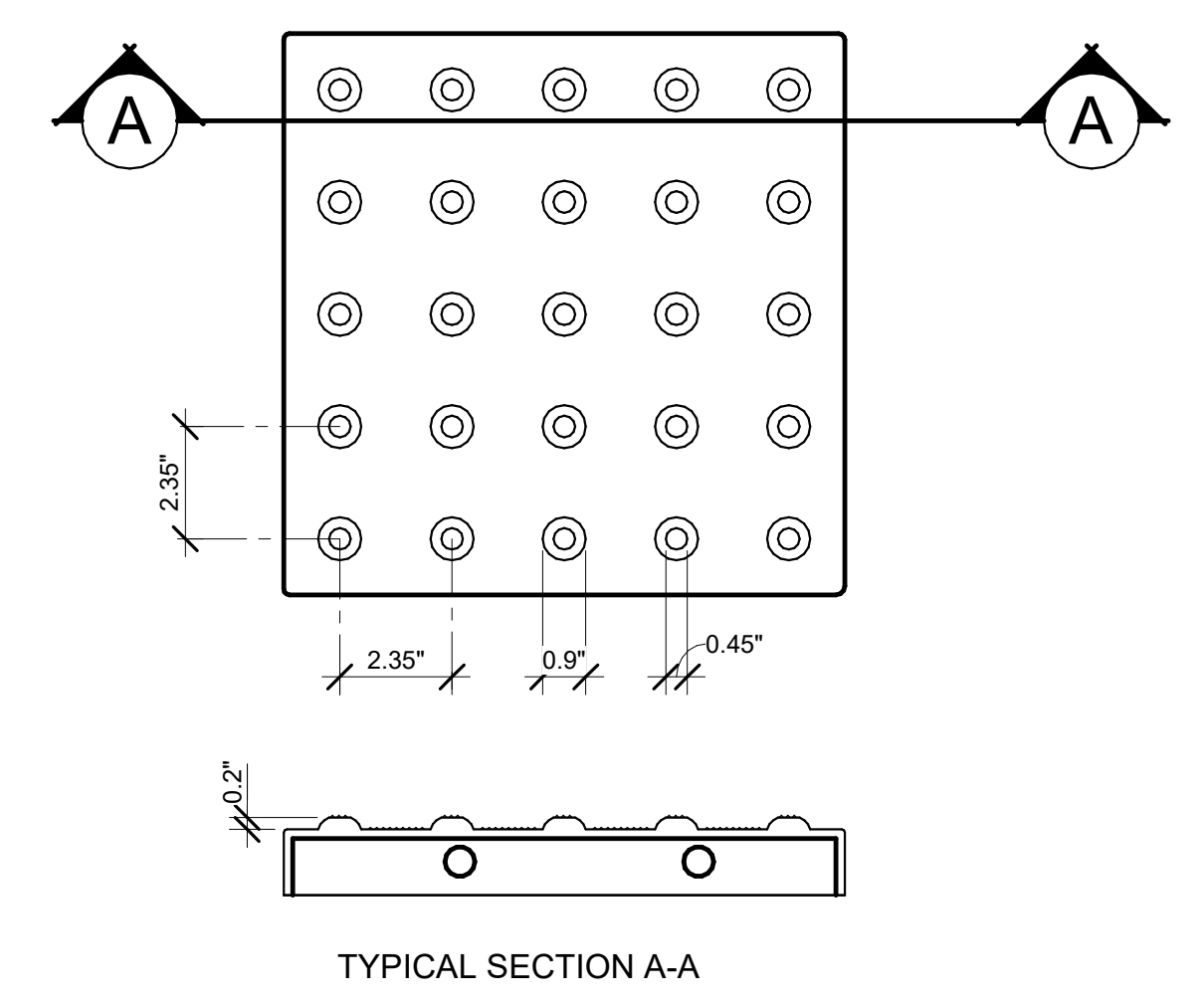
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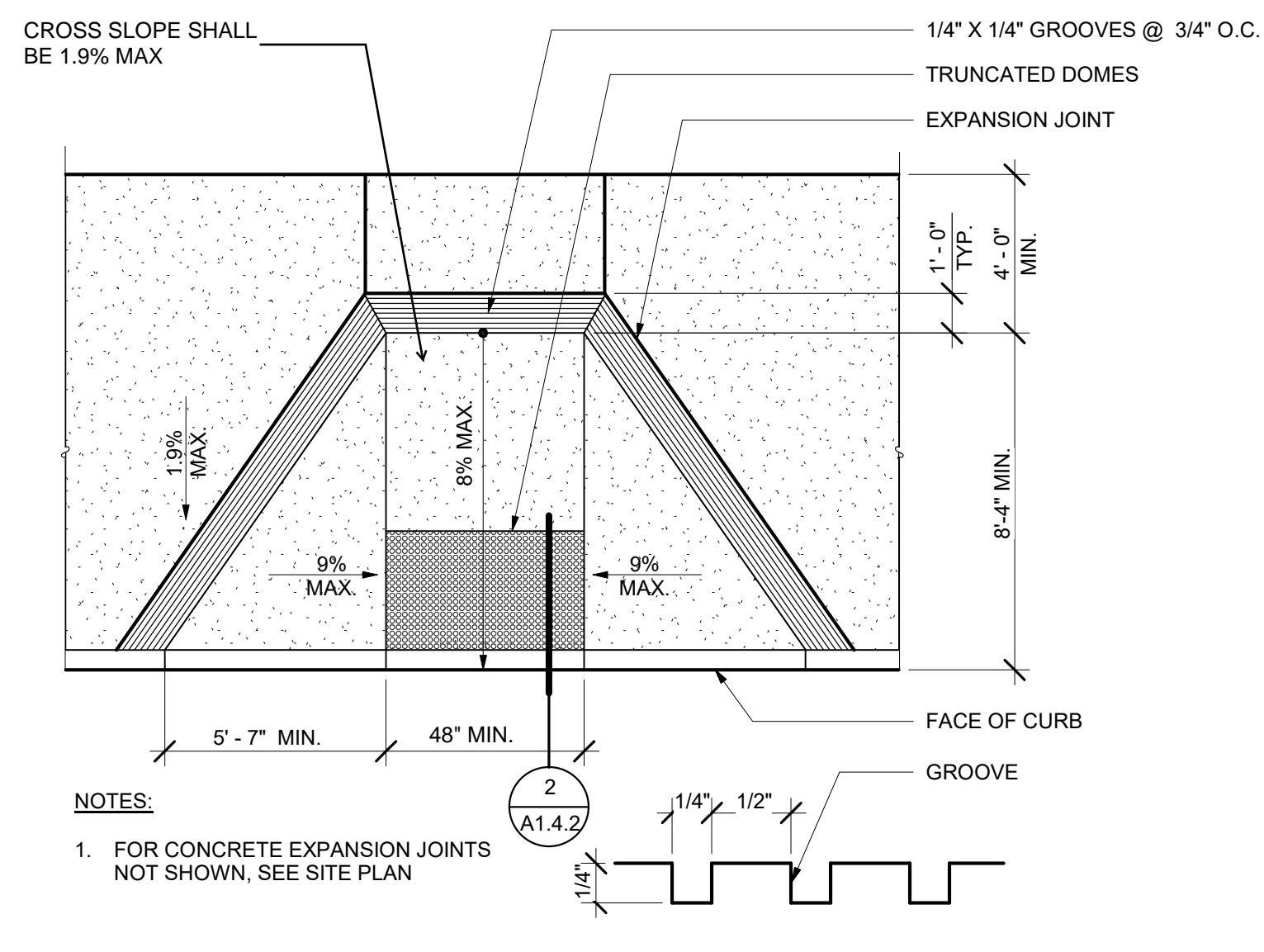
13 PAINTED DIRECTIONAL ARROW
NOT TO SCALE



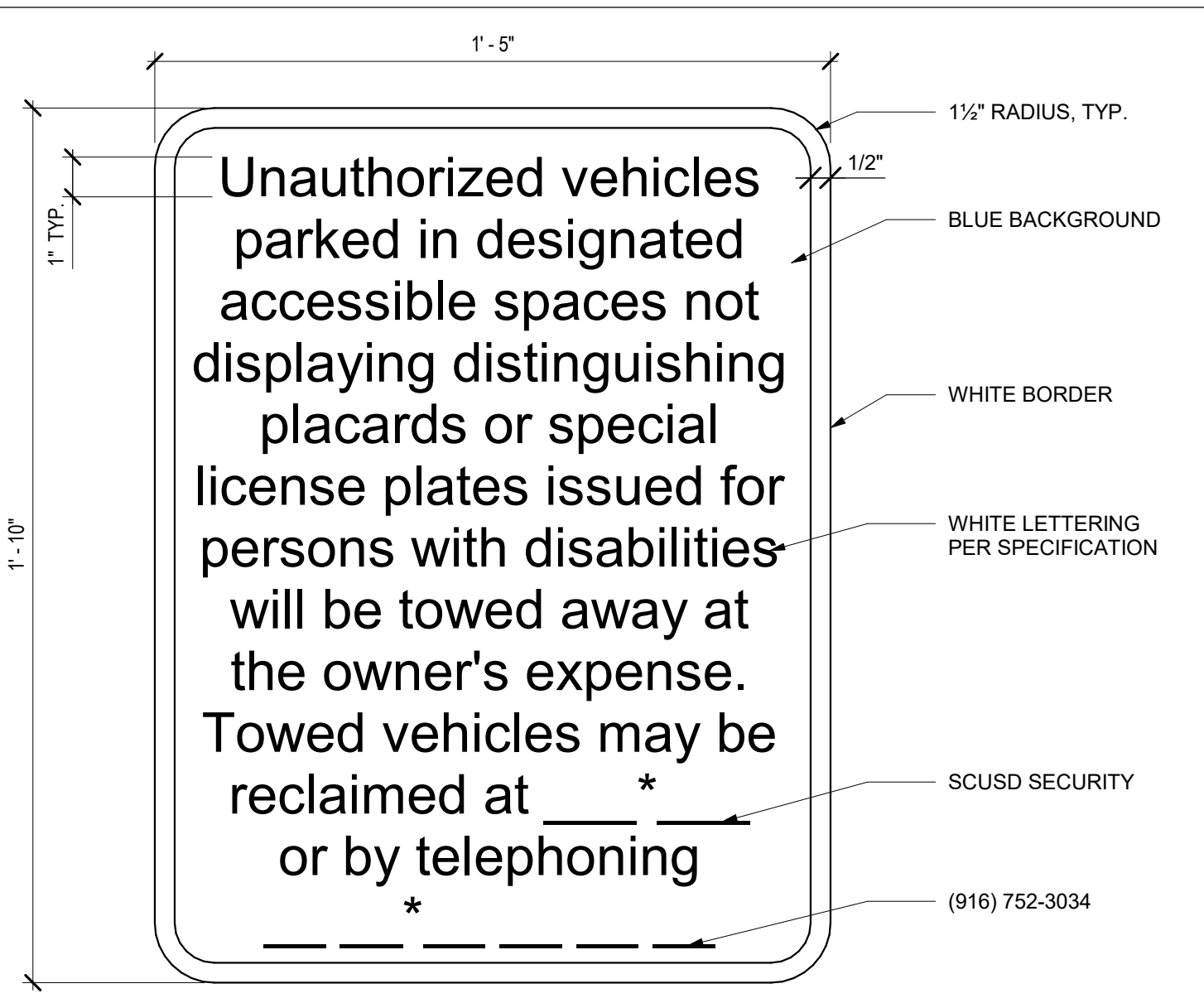
9 METAL SIGNS
1/2" = 1'-0"



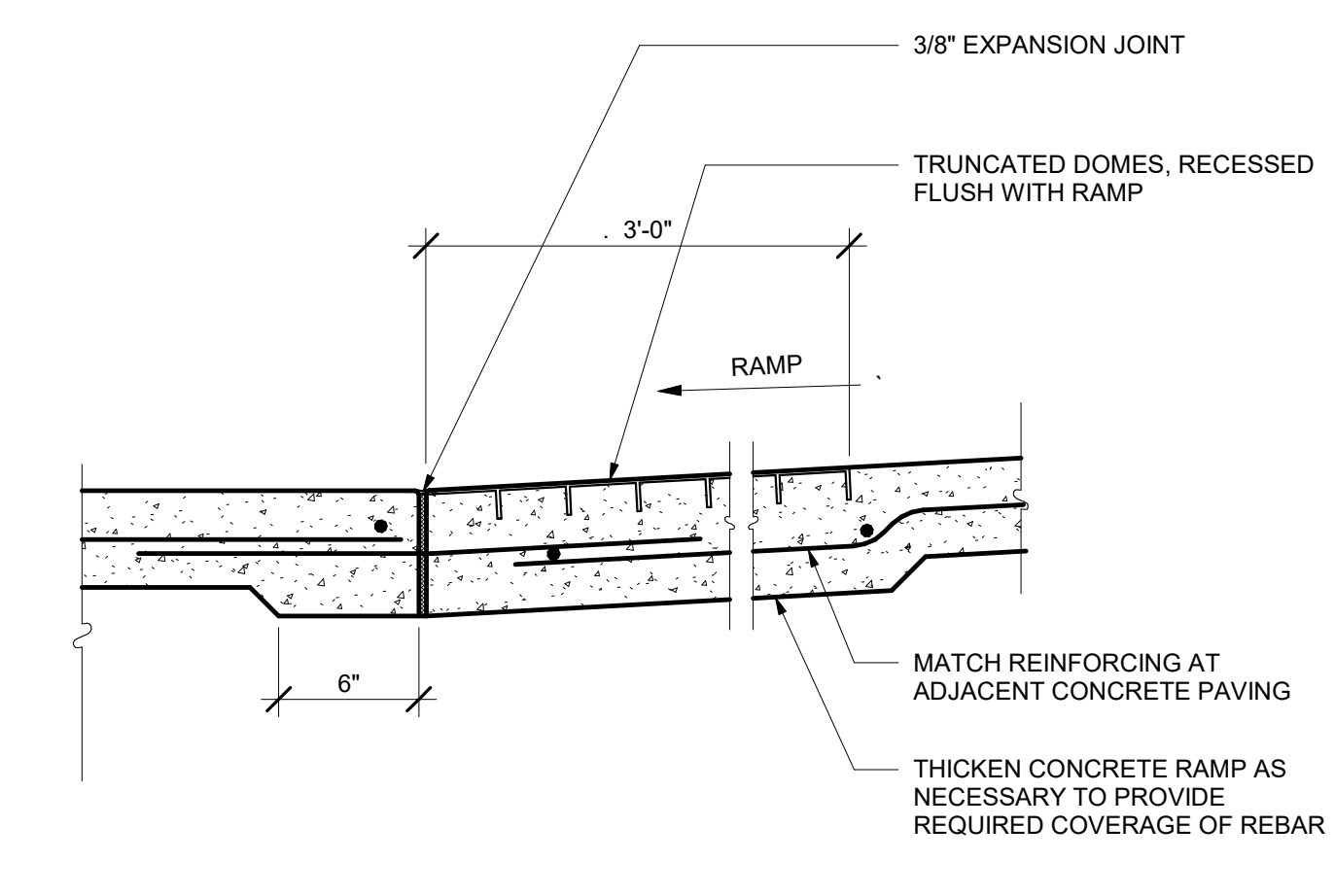
5 TRUNCATED DOMES
3" = 1'-0"



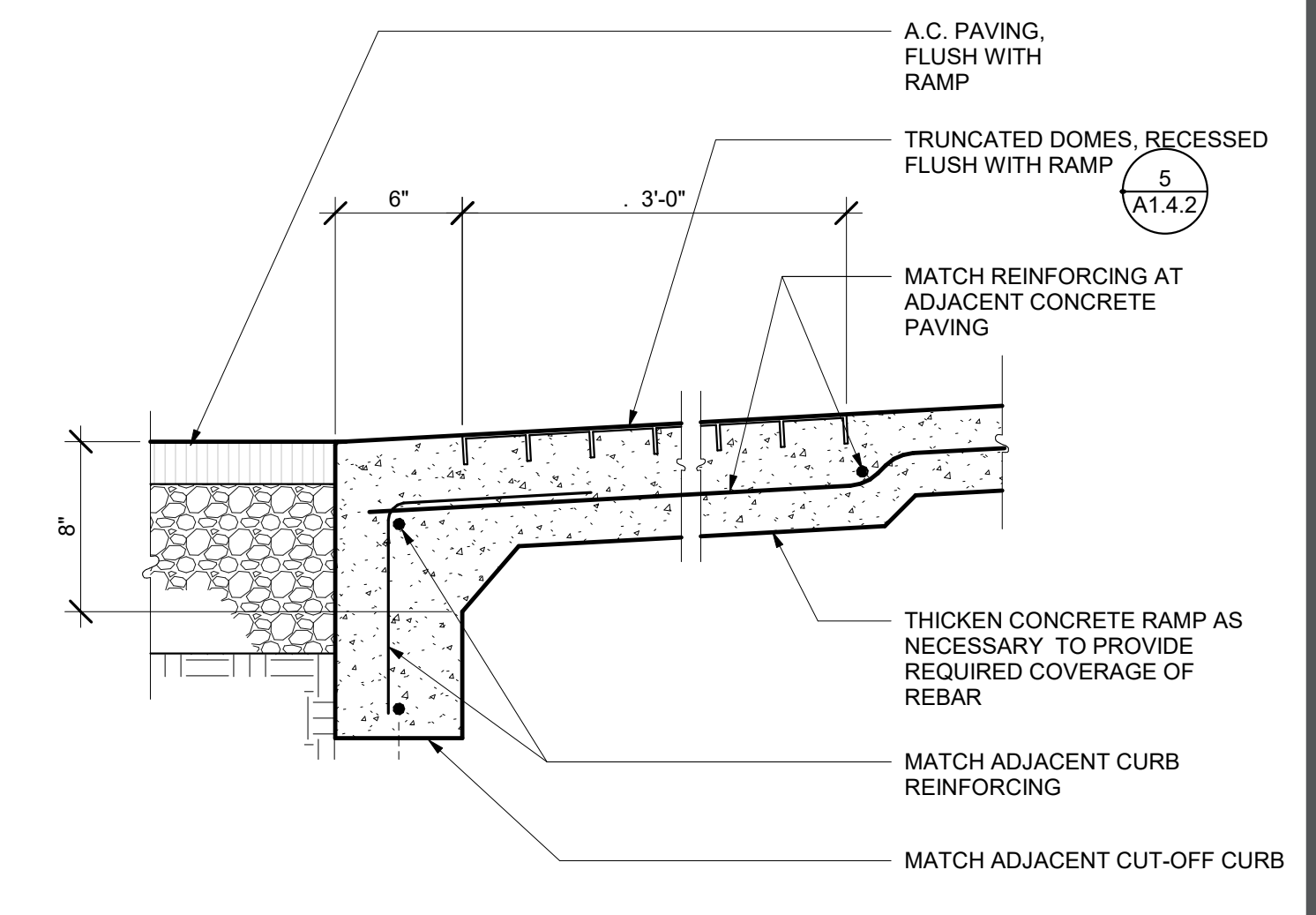
1 CURB RAMP
1/4" = 1'-0"



10 PARKING LOT ENTRANCE SIGN
3" = 1'-0"



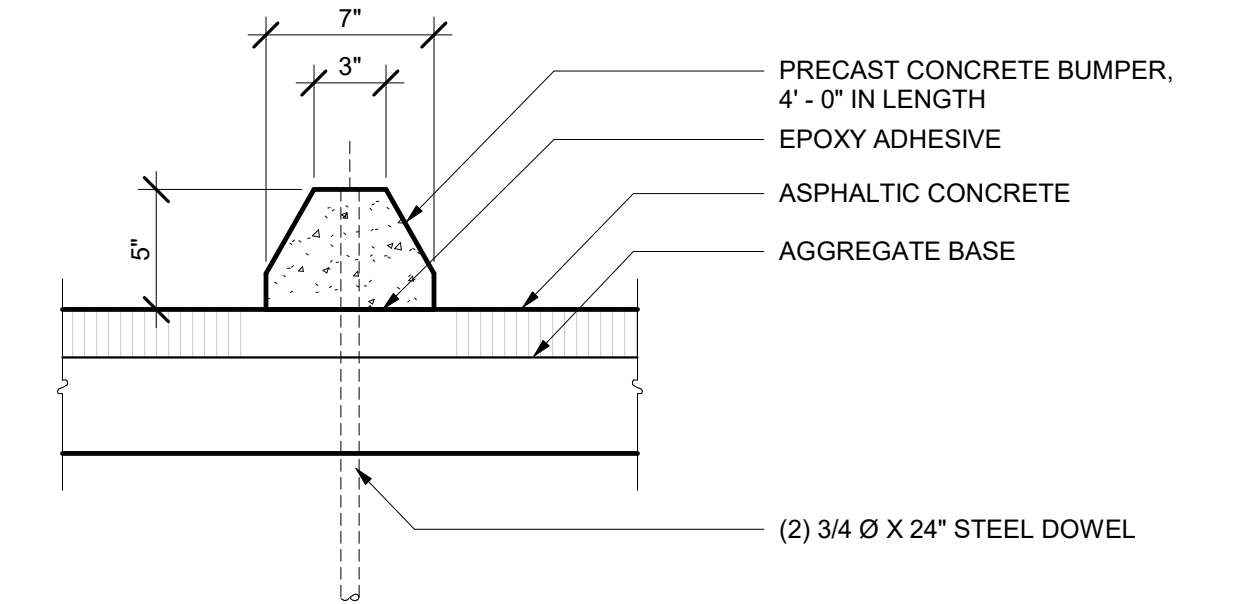
6 BLENDED TRANSITION
1 1/2" = 1'-0"



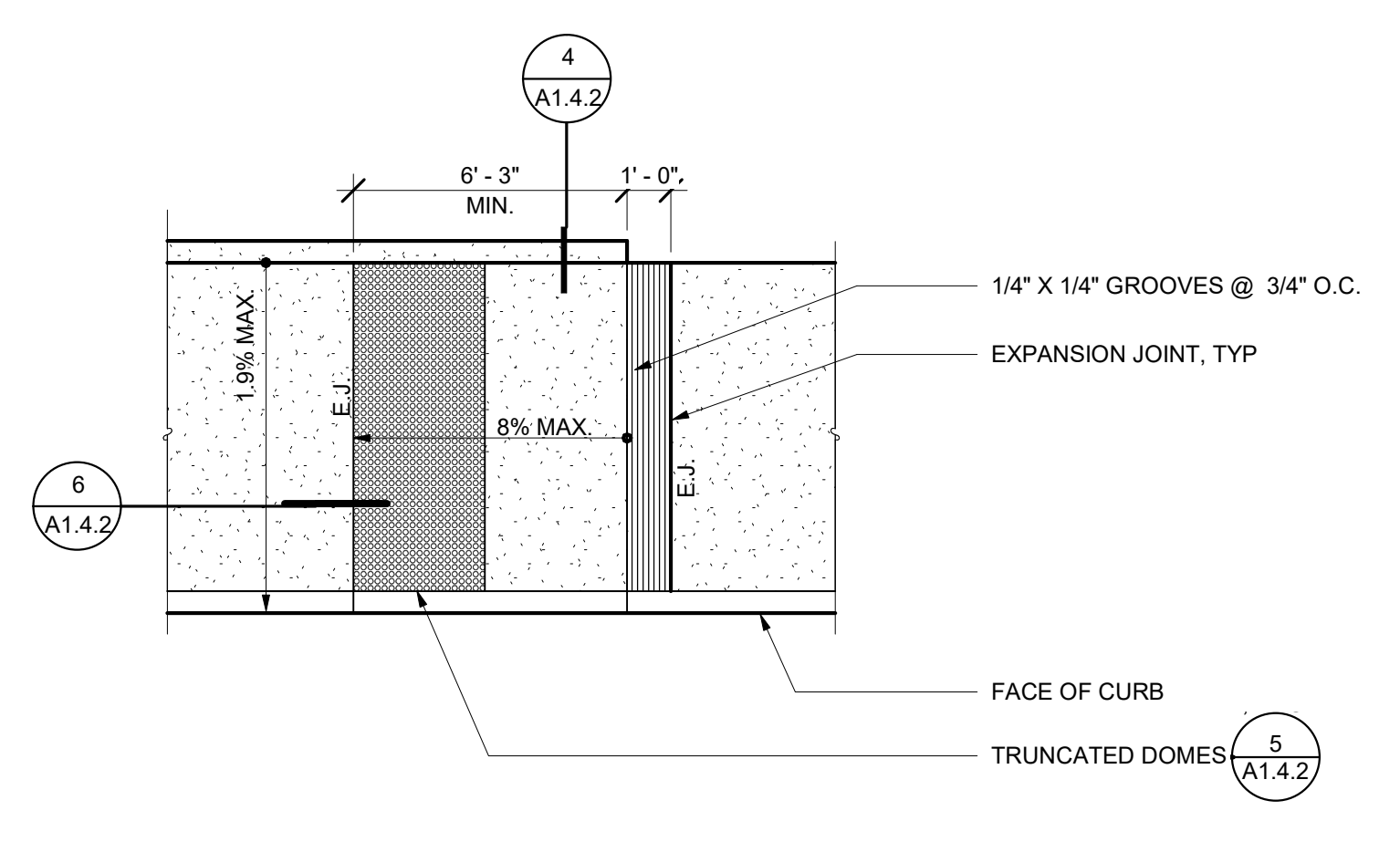
2 CURB RAMP
1 1/2" = 1'-0"



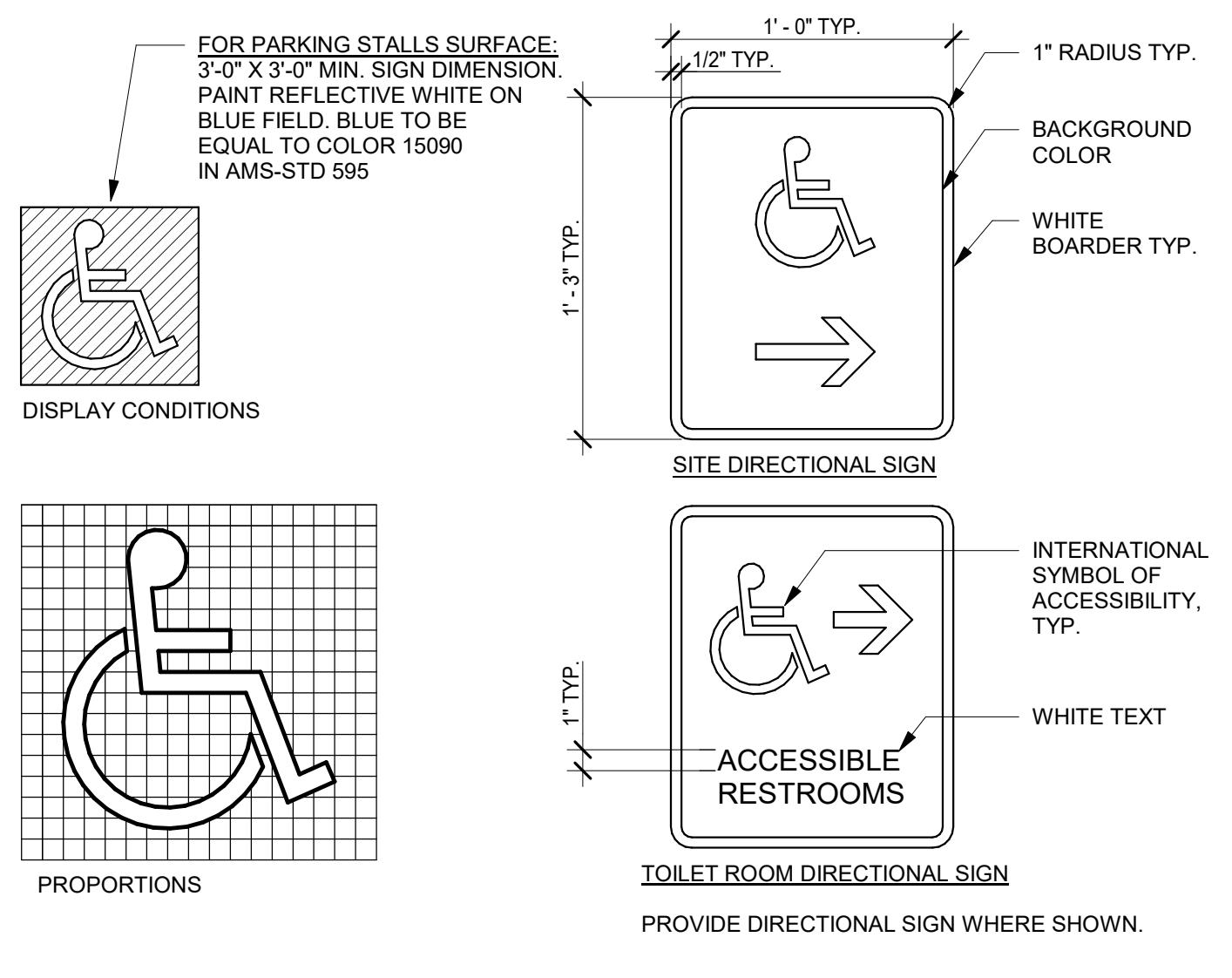
11 PARKING SIGNAGE
3" = 1'-0"



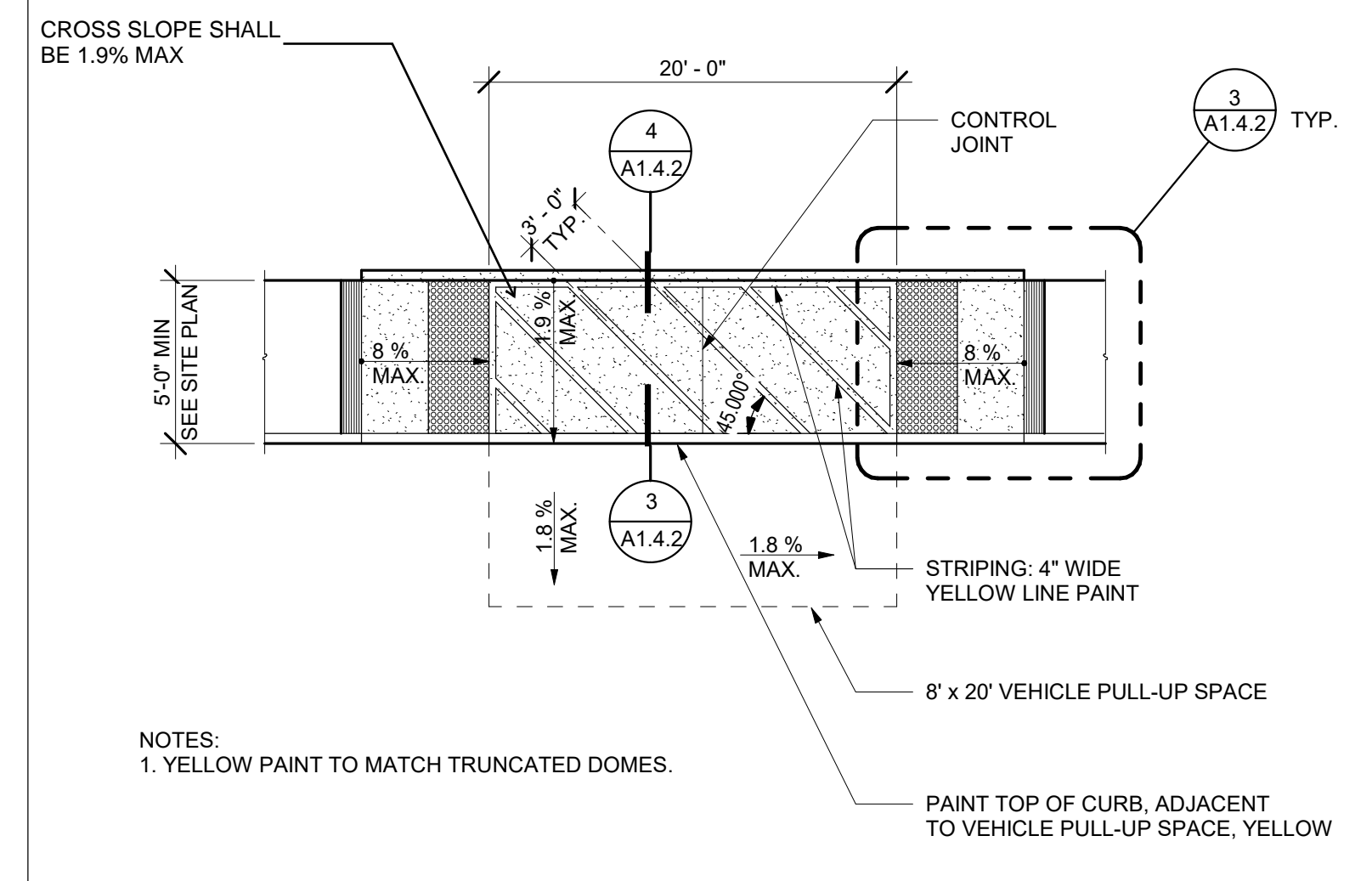
7 PRECAST CONCRETE BUMPER
1 1/2" = 1'-0"



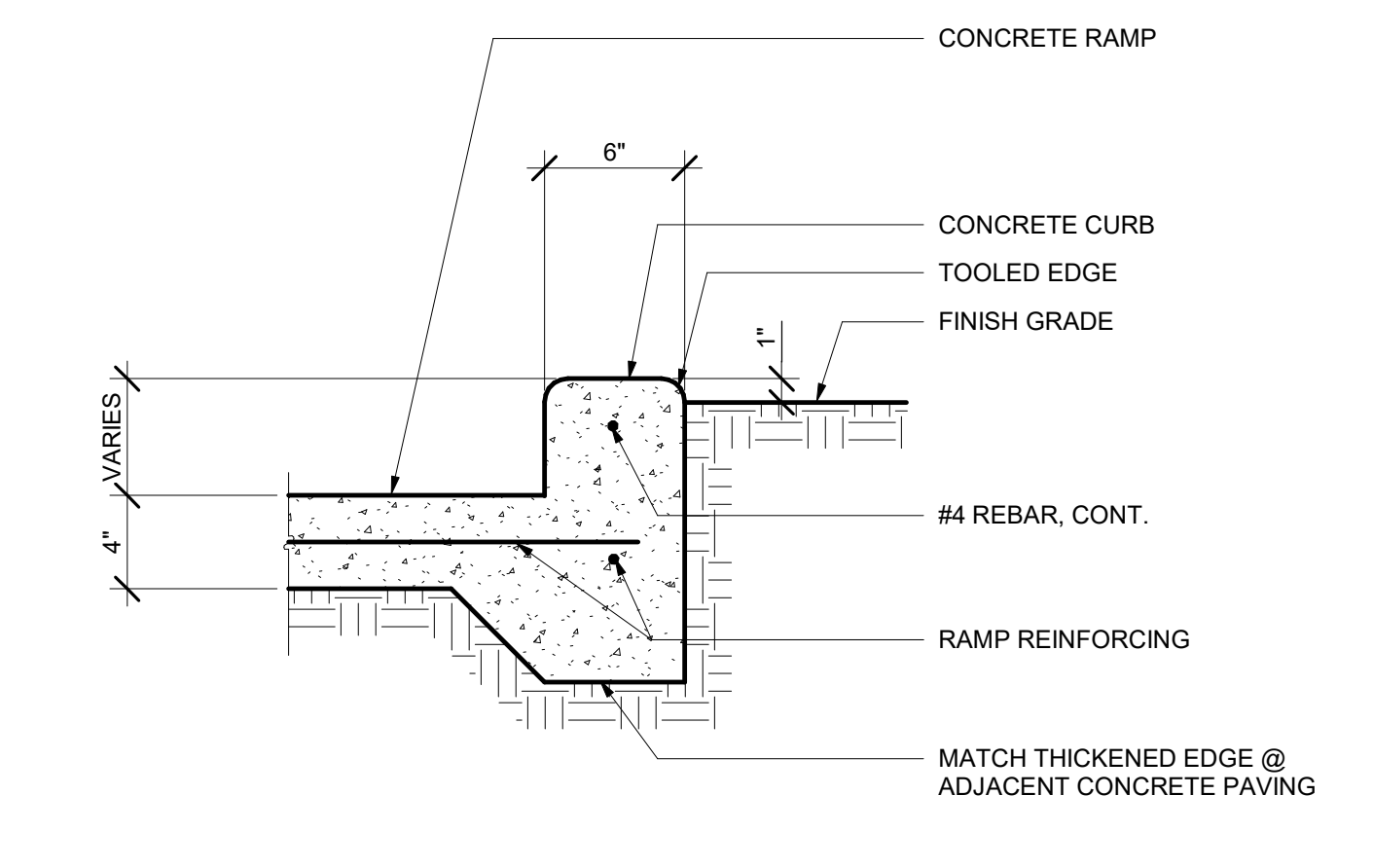
3 CURB RAMP
1/4" = 1'-0"



12 SYMBOL OF ACCESSIBILITY
1:1



8 PASSENGER DROP-OFF AND LOADING
1/8" = 1'-0"



4 RETAINING CURB
1 1/2" = 1'-0"

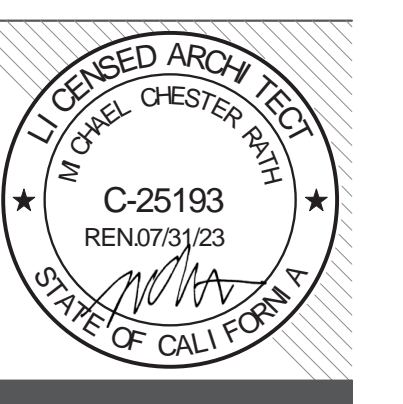
AGENCY APPROVAL:
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120928 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/20/2022



HMC Architects

3186-067-000

2101 CAPITOL AVENUE #100,
SACRAMENTO, CA 95816
916 368 7990 / www.hmcarchitects.com



ISSUE

DESCRIPTION	DATE
-------------	------

FACILITY:

6715 GLORIA DR.
SACRAMENTO, CA 95831

PROJECT:
JOHN F. KENNEDY HIGH SCHOOL PARKING LOT

SHEET NAME:
SITE DETAILS

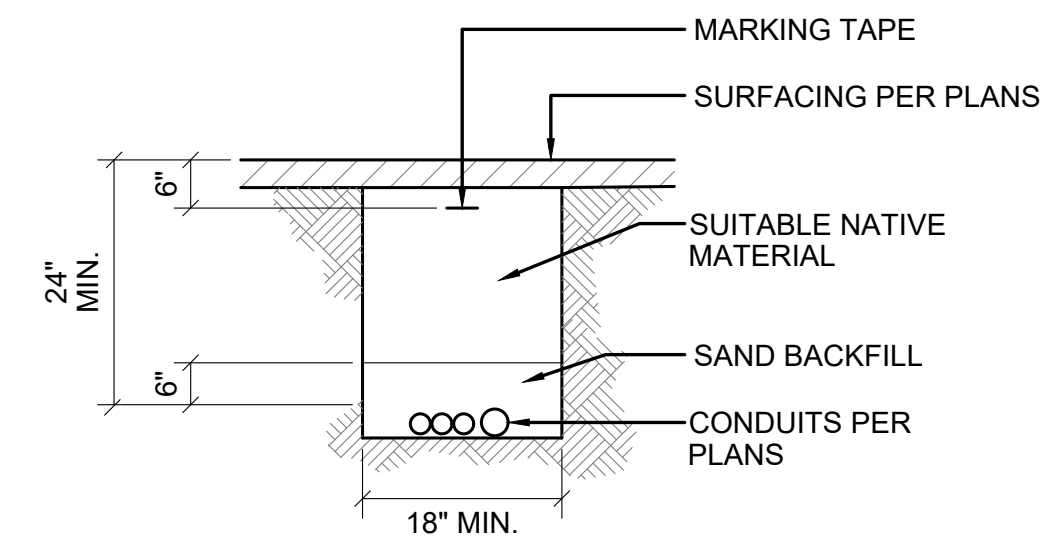
DATE: 12/20/22

CLIENT PROJ. NO.:

SHEET:

C:\Users\slidman\Documents\JFK PARKING LOT - NEW_alexslidman.rvt
12/15/2022 11:39:10 AM

LUMINAIRE SCHEDULE							
TYPE	MANUFACTURER/CATALOG	DESCRIPTION	MOUNTING	LAMP	VOLTS	WATTS	REMARKS
A1	GARDCO P25-196L-1150-NW-G2-AR-3-UNV-DD-IMR13-PCB-F1-BK	AREA POLE LIGHT: 5940 LUMENS; 80 CRI, 4000K CCT, 0-10V DIMMING	POLE	LED	UNV	51	MOUNTED +15' ABOVE FINISHED GRADE TO BOTTOM OF FIXTURE HEAD. PROVIDED WITH ON-BOARD MOTION SENSOR AND PHOTOCONTROL.
A2	GARDCO P25-196L-1675-NW-G2-AR-3-UNV-DD-IMR13-PCB-F1-BK	AREA POLE LIGHT: 8403 LUMENS; 80 CRI, 4000K CCT, 0-10V DIMMING; BUG RATING: E3-U0-G3	POLE	LED	UNV	75	MOUNTED + 20' ABOVE FINISHED GRADE TO BOTTOM OF FIXTURE HEAD. PROVIDED WITH ON-BOARD MOTION SENSOR AND PHOTOCONTROL.
A4	GARDCO P25-196L-1675-NW-G2-AR-5-UNV-DD-IMR13-PCB-F1-BK	AREA POLE LIGHT: 8418 LUMENS; 80 CRI, 4000K CCT, 0-10V DIMMING; BUG RATING: E3-U0-G2	POLE	LED	UNV	75	MOUNTED + 20' ABOVE FINISHED GRADE TO BOTTOM OF FIXTURE HEAD. PROVIDED WITH ON-BOARD MOTION SENSOR AND PHOTOCONTROL.

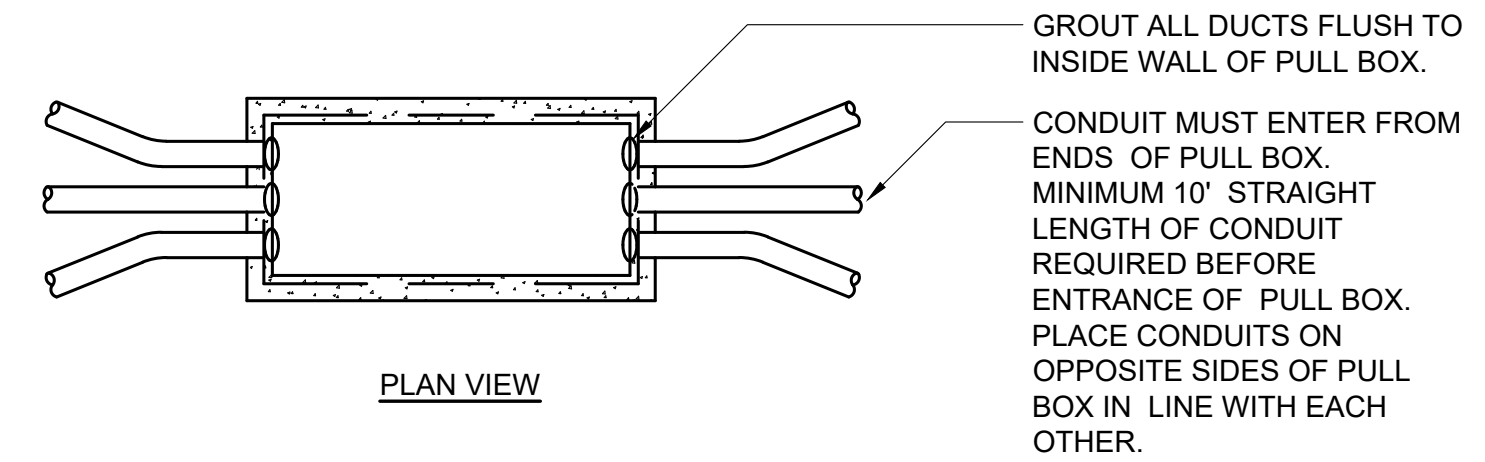


- NOTES:
- BOTTOM OF TRENCH SHALL BE SQUARE AND CLEAN.
 - REFER TO PLANS FOR QUANTITY AND SIZES OF CONDUITS. NATIVE MATERIALS SHALL BE NATIVE TO THE PROJECT SITE, FREE OF WOOD, ORGANICS, AND OTHER DELETERIOUS SUBSTANCES. ROCKS SHALL NOT BE GREATER THAN 3" INCHES.
 - SAND SHALL BE FINE GRANULAR MATERIAL, FREE OF ORGANIC MATTER, MICA, LOAM OR CLAY.

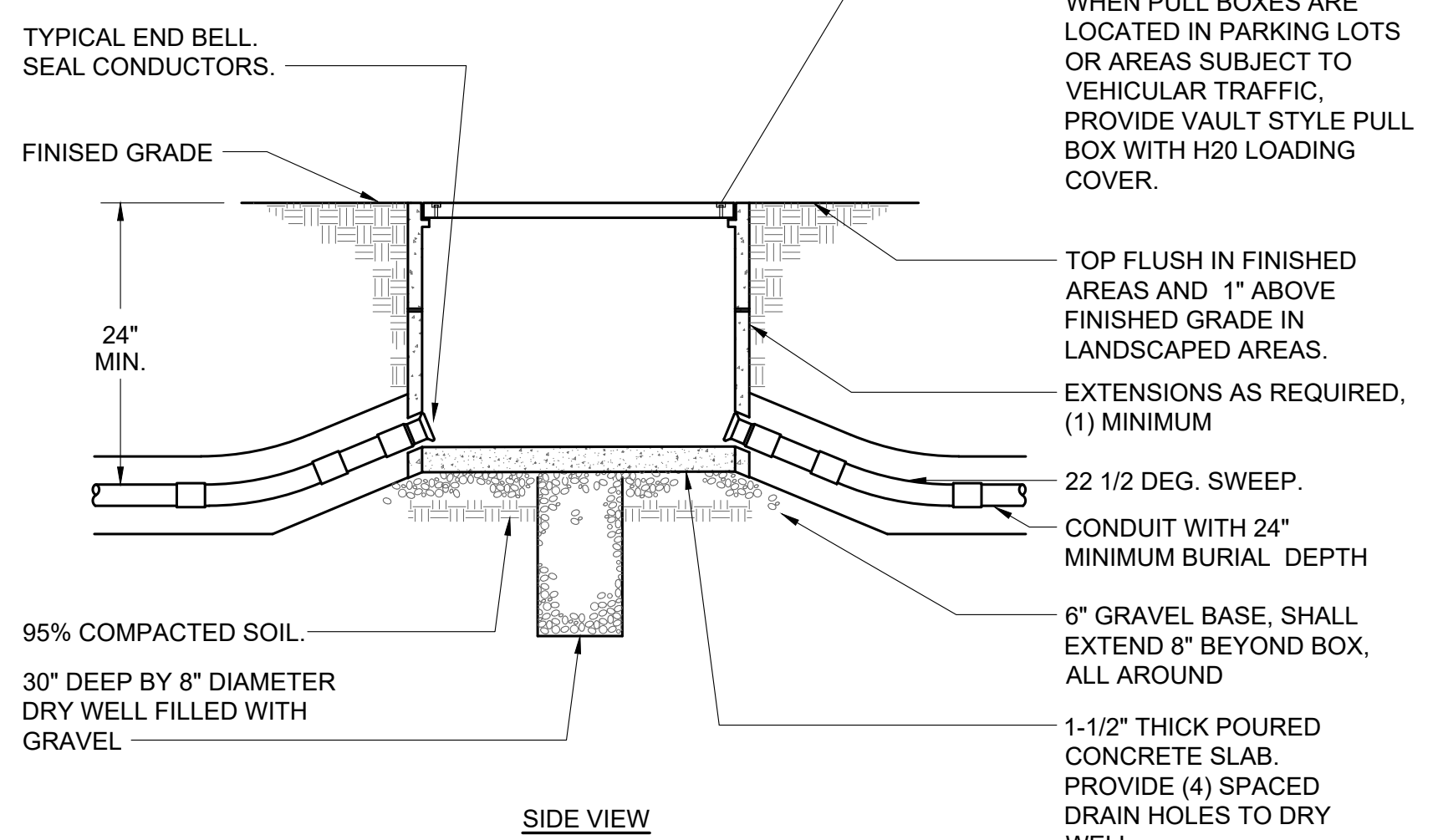
1 TRENCH DETAIL
NO SCALE

PULLBOX INDEX					
TYPE	MFR	INTERIOR DIM	EXTENSION	LID	NOTES
N09	CHRISTY	10" X 16"	12"	NOTE 1	
N16	CHRISTY	11" X 22"	12"	NOTE 1	
N30	CHRISTY	13" X 24"	12"	NOTE 1	
N36	CHRISTY	17" X 30"	12"	NOTE 1	
B1017	CHRISTY	11" X 18"	12"	NOTE 2	
B1324	CHRISTY	14" X 25"	12"	NOTE 2	

- NOTES:
- PROVIDE CONCRETE LID AT ASPHALT OR CONCRETE WALKWAY. PROVIDE GALVANIZED STEEL CHECKER PLATE IN NON-VEHICULAR AREAS.
 - PROVIDE GALVANIZED STEEL CHECKER PLATE H-20 TRAFFIC RATED LID IN VEHICULAR TRAFFIC AREAS.



2 PULLBOX DETAIL
NO SCALE



- NOTES:
- PROVIDE CONCRETE LID AT ASPHALT OR CONCRETE WALKWAY. PROVIDE GALVANIZED STEEL CHECKER PLATE LID AT ALL OTHER NON-VEHICULAR AREAS.
 - AT VEHICULAR TRAFFIC AREAS, PULLBOXES, EXTENSIONS AND LIDS SHALL BE TRAFFIC (H20) RATED. SLAB SHALL BE REINFORCED CONCRETE.

ABBREVIATIONS

1PH, 3PH 1P, 2P, 3P 3W, 4W (D) (E) (ER) (N) (R)	1 PHASE, 3 PHASE 2 POLE, 3 POLE 3 WIRE, 4 WIRE DEMO, DEMOLISH EXISTING EXISTING RELOCATED NEW RELOCATE	MCA MCB MCC MLO MOCPP MT	-M- MINIMUM CIRCUIT AMPACITY MAIN CIRCUIT BREAKER MOTOR CONTROL CENTER MAIN LUGS ONLY MAXIMUM OVER-CURRENT PROTECTION EMPTY CONDUIT W/ PULL-LINE
A, AMPS AC AF AFF AIC	AMPERES ALTERNATING CURRENT FRAME RATING IN AMPERES ABOVE FINISHED FLOOR AMPERES INTERRUPTING CAPACITY ALUMINUM AUTO TRANSFER SWITCH TRIP RATING IN AMPERES AMERICAN WIRE GAUGE	NC NCTC NEC NEMA NIES	-N- NORMALLY CLOSED NURSE CALL TERMINAL CABINET NATIONAL ELECTRIC CODE NATIONAL ELECTRICAL MANUFACTURER ASSOCIATION NOT INCLUDED IN ELECTRICAL SCOPE
AL, ALUM ATS AT AWG	ALUMINUM TRIP RATING IN AMPERES AMERICAN WIRE GAUGE	NL NO NTS	-N- NIGHT LIGHT NORMALLY OPEN NOT TO SCALE
BTR	BUILDING TELECOM ROOM	OCP OFCI	-O- OVER-CURRENT PROTECTION OWNER FURNISHED CONTRACTOR INSTALLED OWNER FURNISHED OWNER INSTALLED
C CB, C/B CEC CT CU	CONDUIT CIRCUIT BREAKER CALIFORNIA ELECTRICAL CODE CURRENT TRANSFORMER COPPER	OFOI PT PVC	-P- POTENTIAL TRANSFORMER POLYVINYL CHLORIDE CONDUIT
DC	DIRECT CURRENT	RSC	-R- RIGID STEEL CONDUIT
EA ELEC EMT	EACH ELECTRICAL ELECTRICAL METALLIC TUBING	SPD SPDT SPST SST	-S- SURGE PROTECTION DEVICE SINGLE POLE DOUBLE THROW SINGLE POLE SINGLE THROW SOLID STATE TRIP
FA FACP FATC FLA FT	FIRE ALARM FIRE ALARM CONTROL PANEL FIRE ALARM TERMINAL CABINET FULL LOAD AMPS FOOT OR FEET	TER TR TM TTB	-T- TELECOM EQUIPMENT ROOM TELECOM ROOM THERMAL MAGNETIC TERMINAL BACKBOARD
G, GND GA GFCI	GROUND GROUND FAULT CIRCUIT INTERRUPTER GROUND FAULT INTERRUPTER	UL UL UN UN	-U- UNDERGROUND UNDERWRITERS LAB. UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY
GFI	GROUND FAULT INTERRUPTER	UL UL UN UN	-U- UNDERGROUND UNDERWRITERS LAB. UNLESS OTHERWISE NOTED UNINTERRUPTIBLE POWER SUPPLY
HOA HP	HAND-OFF-AUTO HORSE POWER	V VA VAC	-V- VOLTS VOLT-AMPS VOLTS ALTERNATE CURRENT
J-BOX	JUNCTION BOX	W WCR WP	-W- WATTS WITHSTAND & CLOSING RATING WEATHERPROOF
KVA KW	ONE THOUSAND VOLT-AMPS ONE THOUSAND WATTS	X XFMR XFMR	-X- TRANSFORMER TRANSFER SWITCH
LCP LGT	LIGHTING CONTROL PANEL LIGHTING		

GENERAL NOTES

- EXISTING UNDERGROUND UTILITIES ARE PRESENT, BUT THEIR EXACT LOCATIONS ARE NOT KNOWN. CONTRACTOR SHALL LOCATE AND PROTECT BEFORE TRENCHING OR EXCAVATING IN ANY AREA. CONSULT UTILITY COMPANIES, "AS-BUILT" DRAWINGS, AND SCHOOL MAINTENANCE PERSONNEL FOR LOCATION OF EXISTING UNDERGROUND WORK. IF EXISTING PIPING OR UTILITIES ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR IMMEDIATELY AT OWN EXPENSE. NEW UNDERGROUND SHALL BE MODIFIED AS NECESSARY TO CONFORM TO EXISTING CONDITIONS.
- INFORMATION GIVEN, CONCERNING EXISTING ELECTRICAL INSTALLATION IS AS EXACT AS COULD BE SECURED, BUT EXTREME ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDS AND SATISFY HIMSELF AS TO THE CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.
- EXISTING CIRCUITS AND SERVICES SHALL NOT BE INTERRUPTED EXCEPT BY SPECIFIC APPROVAL OF THE SCHOOL. ALL SHUTDOWNS SHALL BE SCHEDULED WITH THE SCHOOL.
- ALL INTERIOR CONDUIT SHALL BE RUN CONCEALED.
- CONTRACTOR SHALL VISIT SITE PRIOR TO BIDDING AND WALK ROUTES OF NEW UNDERGROUND CONDUITS. NOTE AREAS OF CONCRETE AND ASPHALT BEING CROSSED AND INCLUDE IN BID ALL COSTS FOR CUTTING AND PATCHING AS SHOWN ON DETAILS.
- PROVIDE TRAFFIC RATED (H20 LOAD) COVER AND BOXES FOR ALL PULLBOXES UNLESS SPECIFICALLY NOTED OTHERWISE.
- REFER TO DETAILS ON STRUCTURAL DRAWINGS FOR PENETRATION REQUIREMENTS THROUGH FRAMING TOP PLATES, SILL PLATES, BEAMS, JOIST, RAFTERS, ETC. PROVIDE NOTCHING BORING, DRILLING, ANCHOR BOLTS AND OTHER WORK IN STRICTEST CONFORMANCE TO STRUCTURAL DETAILS.

MEP COMPONENT ANCHORAGE NOTES

- ALL MECHANICAL, PLUMBING AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.
- ALL PERMANENT EQUIPMENT AND COMPONENTS.
 - TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/120 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
 - TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.
- THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS:
- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.
 - COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
- THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL, AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.

STANDARD ELECTRICAL SYMBOLS

SYMBOL	DESCRIPTION
(XX)	NUMBERED NOTE.
(ENLARGED)	ENLARGED PLAN OR DETAIL CALL-OUT.
(BRANCH)	BRANCH CIRCUIT PANELBOARD, SURFACE MOUNTED.
(PULLBOX)	PULLBOX. REFER TO PULLBOX SCHEDULE & PULLBOX DETAIL.
(E) (L) (R)	EXTERIOR POLE LIGHT, SINGLE LUMINAIRE.
(E) (L) (R) (2)	EXTERIOR POLE LIGHT, TWO LUMINAIRES.
(L)	LUMINAIRE TAG, LETTER INDICATES TYPE. SEE LUMINAIRE SCHEDULE.
(ASTRO)	ASTRONOMICAL TIME CLOCK, 2-RELAYS, MOUNT AT +48" TO TOP OF DEVICE. TORK EW2201C SERIES, UNIVERSAL VOLTAGE, 6 VA MAX. PROVIDE 5" SQUARE X 2 7/8" DEEP BOX W/ 1-DEVICE RING AND PLATE. STUB 1 1/4" CONDUIT WITH 90 DEGREE BEND INTO ACCESSIBLE CEILING SPACE, TERMINATE W/ INSULATING BUSHING.

RACEWAY SYMBOLS

SYMBOL	DESCRIPTION
(RACEWAY)	RACEWAY INSTALLED IN CEILING OR WALL. ROUTE EXPOSED IN ALL UNFINISHED AREAS.
(RACEWAY)	RACEWAY INSTALLED BELOW FINISHED FLOOR OR GRADE.
(EXISTING)	EXISTING CONDUIT RUN, VERIFY ROUTING ON THE JOB.
(REMOVE)	REMOVE (E) WIRE, PULL IN NEW WIRES, #12 AWG UNLESS NOTED.
(EXISTING)	EXISTING CONDUIT RUN TO BE ABANDONED. CONDUIT ABOVE THE FLOOR AND BELOW THE STRUCTURE ABOVE SHALL BE REMOVED. CONDUCTORS SHALL BE REMOVED.
(ARROW)	ARROW AT END OF RACEWAY INDICATES HOME RUN TO RESPECTIVE PANELBOARD OR SWITCHBOARD.
(BRANCH)	BRANCH CIRCUIT WITHOUT FURTHER DESIGNATION INDICATES A 2 #12 AWG CIRCUIT WITH 1 #12 AWG GROUND.
(STRAIGHT)	STRAIGHT CROSS-LINES IN BRANCH CIRCUIT RACEWAY INDICATE NUMBER OF #12 AWG WIRES IN A CIRCUIT. SHORT LINES INDICATE UNGROUNDED CONDUCTORS. LONG LINES INDICATE NEUTRAL CONDUCTORS. WIRES SHOWN ARE IN ADDITION TO #12 AWG GROUNDING CONDUCTOR.
(BRANCH)	BRANCH CIRCUIT WITH GROUNDING WIRE LARGER THAN #12 AWG. NUMBER ADJACENT TO CURVED CROSS-LINE INDICATES WIRE SIZE.
(BRANCH)	BRANCH CIRCUIT RACEWAY WITH WIRE OTHER THAN #12 AWG. NUMBER ADJACENT TO STRAIGHT OR CURVED CROSS-LINES INDICATES WIRE SIZE. UNGROUNDED AND NEUTRAL CONDUCTORS SHALL BE THE SAME SIZE UNLESS OTHERWISE NOTED.

SHEET INDEX

SHEET	DESCRIPTION
E-001	ABBREVIATIONS, SYMBOLS, SHEET INDEX, LUMINAIRE SCHEDULE, & DETAILS
E-002	ELECTRICAL SPECIFICATIONS
E-003	ELECTRICAL SPECIFICATIONS
E-004	TITLE 24 COMPLIANCE
E-005	TITLE 24 COMPLIANCE
E-101	OVERALL SITE PLAN - ELECTRICAL
E-102	PARTIAL SITE PLAN - ELECTRICAL
E-103	PARTIAL SITE PLAN - PHOTOMETRICS
E-201	ONE-LINE DIAGRAM & PANEL SCHEDULES

GENERAL ELECTRICAL NOTES

- WHERE PROVIDED, THROUGH-PENETRATION FIRESTOP SYSTEM AND MEMBRANE PENETRATION DETAILS SHOWN IN THE DETAILS ARE FOR REFERENCE ONLY. THROUGH-PENETRATIONS AND MEMBRANE PENETRATIONS SHALL BE PROTECTED BY AN APPROVED PENETRATION FIRESTOP SYSTEM OR MEMBRANE PENETRATION FIRESTOP SYSTEM INSTALLED AS TESTED IN ACCORDANCE WITH ASTM E 814 OR UL 1479, WITH A MINIMUM POSITIVE PRESSURE DIFFERENTIAL OF 0.01 INCH (2.49 PA) OF WATER OR AS OTHERWISE PERMITTED BY CBC, SECTION 714. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS AND MEMBRANE PENETRATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE INSTALLATION DETAILS FOR LISTED SYSTEMS. LISTED THROUGH-PENETRATION FIRESTOP SYSTEMS, MEMBRANE PENETRATION PROTECTION AND OTHER PERMITTED MEANS AND METHODS OF PENETRATION PROTECTION SHALL BE SUBMITTED FOR DEPARTMENT OF THE STATE ARCHITECT REVIEW AND APPROVAL PRIOR TO INSTALLATION.
- ALL ELECTRICAL EQUIPMENT TO BE INSTALLED OR PERMANENTLY CONNECTED (HARDWIRED) SHALL BE LISTED, LABELED, OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY (NRTL) PER CEC 110.2.
- ALL EQUIPMENT SHALL BE USED IN ACCORDANCE WITH LISTING PER CEC 110.3B.

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24; 1617A1.25 AND 1617A1.26.

THE METHOD SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. OSHPD OPM FOR 2019 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E).

MP: MD: PP: E: OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.

MP: MD: PP: E: OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #0052-13.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120928 INC.
REVIEWED FOR
DATE: 12/20/2022

EDGE
ELECTRICAL CONSULTING
1801 7th Street
Suite 150
Sacramento, CA 95811
916.256.2460
Project Number: J542
Contact: KARLI

1151 Harbor Bay Parkway
Suite 123A
Alameda, CA 94502
510.634.7200
No. E 017376
12/13/2022

JOHN F. KENNEDY HS PARKING LOT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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ABBREVIATIONS, SYMBOLS, SHEET INDEX, LUMINAIRE SCHEDULE, & DETAILS

PROJECT NO.
DATE:
SHEET
E-001

SECTION 26 00 00 - ELECTRICAL WORK

PART 1 GENERAL

- 1.01 CONDITIONS:
 - A. The Requirements of General Conditions and Special Conditions apply to Work of this Section as if fully repeated herein.
- 1.02 WORK INCLUDED:
 - A. Provide a complete working installation of all electrical systems as shown on drawings or as specified.
 - B. Provide all labor, materials, tools, and equipment necessary for the complete in-place installation of all electrical and low voltage items complete as shown on drawings and as specified.
 - C. Provide submittals and shop drawings.
 - D. Complete lighting as indicated to include wiring and controls as indicated.
 - E. Complete new power distribution throughout project including main electrical service, distribution panels, branch circuit panels, conduct, wire, pull boxes, junction boxes and miscellaneous materials.
 - F. Complete receptacle branch circuits including conduct, wire, outlet boxes and devices.
 - G. Electrical connections to equipment furnished and installed under other sections.
 - H. Include sealing and fireproofing of conduits, cable trays, cables etc.
- I. Electrical components are identified as follows:
 - 1. Nameplate for each electrical distribution and control equipment enclosure.
 - 2. Label for identification of receptacles, light switches, and control device stations.
 - 3. Wire marker for each conductor at panel boards, gutters, pull boxes, outlet and junction boxes, and each lock and connection.
 - 4. Permanent ink felt tip marker on cover indicating panel and circuit for junction boxes located above suspended ceilings and below ceilings in non-public areas.

- 1.03 CODES AND STANDARDS:
 - A. Work and materials shall be in full accordance with California Occupational Safety Health Act (CAL-OSHA), California Electrical Code (CEC), State Fire Marshal, Title 8, Safety Orders of Division of Industrial Safety (EIS), the National Fire Protection Association, California Building Code (CBC), California Code of Regulations - Title 24 and other applicable laws or regulations. Nothing in the Drawings or Specifications shall be construed to permit work not conforming to these codes.
 - B. When Contract Documents differ from governing codes, manuals, and install larger size or higher standards called for without extra charge.

- 1.04 QUALITY ASSURANCE:
 - A. Requirements of Regulatory Agencies:
 - 1. Submittals shall be submitted to and approved by the authority having jurisdiction, i.e., ordinances, rules, or regulations.
 - 2. All materials and equipment shall be installed in accordance with manufacturer's recommendations and in accordance with the National Electrical Contractors Association (NECA) Standard of Installation.
 - 3. Equipment to be installed or permanently connected (hardwired) shall be listed, labeled, or certified by a Nationally Recognized Testing Laboratory (NRTL).

- 1.05 SPECIFICATIONS AND CONTRACT DRAWINGS:
 - A. Accuracy of data given herein and on the drawings is as exact as could be secured, but their extreme accuracy is not guaranteed. The drawings and specifications are for the assistance and guidance of the Contractor and exact locations, distances, levels, etc., will be governed by the construction and the Contractor shall accept same with this understanding.
 - B. Layouts of equipment, accessories and wiring systems are diagrammatic (not profile and not exact) but shall be followed as closely as possible. Architectural, structural, mechanical, and electrical drawings shall be coordinated and conflicts between subcontractors and other work on the Contract Documents. Submittals made by Contractor which are not thoroughly reviewed by the Contractor will be returned. Submittals which vary significantly from the Contract Documents and are not so identified prior to submittal, will be returned to the Contractor without review.
 - C. Make submittals within following number of days from issuance of Notice to Proceed or Start Letter:
 - a. Items needed in advance of work or requiring long lead-time: 15 calendar days.
 - b. All other items: 21 calendar days.
 - D. Before submitting a shop drawing or any related material, Contractor shall review each such submission for conformance with the means, methods, techniques, sequences, and schedules shown on drawings and as specified herein and shall be responsible for the coordination and approval of each such submission before submitting it. Engineer shall review each such submission before submitting it. Engineer shall assume that no shop drawing or related submittal comprises a variation unless the Engineer otherwise states in a written instrument which is acknowledged by the Engineer.
 - E. Contractor may request additional details, and such shall be conforming to, without additional cost. Contractor may alter alternate details, but such details shall be approved by Architect and authority having jurisdiction.

- 1.06 SUBMITTALS:
 - A. Submission Requirements:
 - 1. Contractor is responsible for the scheduling of submittals to avoid detrimental impact to the construction schedule and to be approved the timely sequence of the Work. Allow a minimum of 15-working days for submittals to be submitted by the Engineer. General submittals or submittals which are not provided as complete packages may take longer than 15-working days for review. Contractor should allow time for potential rework and resubmission of submittals which are being offered as substitutions to the specified products.
 - 2. All submittals require submittal for review and approval by the Engineer. Submittals for review and approval by the Engineer shall be submitted to the Contractor which are not thoroughly reviewed by the Contractor will be returned. Submittals which vary significantly from the Contract Documents and are not so identified prior to submittal, will be returned to the Contractor without review.
 - 3. Make submittals within following number of days from issuance of Notice to Proceed or Start Letter:
 - a. Items needed in advance of work or requiring long lead-time: 15 calendar days.
 - b. All other items: 21 calendar days.
 - 4. Before submitting a shop drawing or any related material, Contractor shall review each such submission for conformance with the means, methods, techniques, sequences, and schedules shown on drawings and as specified herein and shall be responsible for the coordination and approval of each such submission before submitting it. Engineer shall review each such submission before submitting it. Engineer shall assume that no shop drawing or related submittal comprises a variation unless the Engineer otherwise states in a written instrument which is acknowledged by the Engineer.
 - 5. Contractor may request additional details, and such shall be conforming to, without additional cost. Contractor may alter alternate details, but such details shall be approved by Architect and authority having jurisdiction.
 - B. Approval of submittals will be on a general basis only and shall not relieve the Contractor from their responsibility for proper fitting and construction of the Work, nor from furnishing materials and labor required by the Contract which may not be indicated on the submittals when approved.
 - C. No portion of the work requiring submittals shall be commenced until the submittal for that portion of the work has been approved by the Engineer. All such portions of work shall be in accordance with the approved submittal. Any work performed without approved submittals will be done so at the Contractor's own risk. Work found not to be in compliance with the approved submittals shall be removed and corrected at the Contractor's own expense.
 - D. Number of Copies Required - Contractor shall submit following number of copies:
 - a. Project Documents: 1 electronic copy and 1 printed copy.
 - b. Samples: As specifically indicated in pertinent specification section.
 - c. Substitution Request: 1-copy in PDF format.
 - E. Submittals shall include (where applicable):
 - a. Date and revision dates.
 - b. Project title and number.
 - c. The names of Architect, Engineer, Contractor, Subcontractor and supplier or manufacturer.
 - d. Identification of product or material.
 - e. Relation to adjacent structure or material.
 - f. Field dimensions clearly identified as such.
 - g. Specification section number.
 - h. A blank space for Engineer's stamp.
 - i. Contractor's stamp on each, including or signed, certifying that submittal was reviewed, field measurements have been verified and submittal is in compliance with the applicable specification section and all Contract Documents.
 - F. Incomplete, inaccurate, or non-complying submittals requiring resubmission, and additional review time, shall not be considered as a basis for Contract time extension.
 - G. Two reviews will be made for each submittal. Additional reviews will be charged to the Contractor. A rejection of a submittal or review of a partially presented submittal constitutes one submittal review. Incomplete submittals, such as product data submittals without required shop drawings, will be returned without review.

- 1.07 REQUIRED SUBMITTALS:
 - 1. Various specification sections may state additional information to be submitted.
 - 2. Submittals are required for all materials even though the submittal materials may be exactly as specified in the Project Manual.
 - 3. Electrical Materials Submittal:
 - a. Submit product data only for materials that are being installed. Product data is not required for materials that are being provided as specified.
 - b. Electrical materials include: receptacles, boxes, switches, finish material, etc.
 - 4. Electrical Equipment Submittal:
 - a. Submit product data for all equipment.
 - b. Electrical equipment includes: panelboards, switchboards, transformers, underground pull boxes, floor boxes, light fixtures, etc.
 - 5. Low Voltage and Control Systems Submittals:
 - a. Provide product data for each item in the system.
 - b. Provide shop drawings for each system.
 - c. Low voltage and control systems include lighting controls, sound communications, fire alarm, etc.

- 1.08 PRODUCT DATA:
 - 1. Manufacturer's Standard Specifications:
 - a. Modify drawings to delete information which is not applicable to the Project.
 - b. Supplement standard information to provide additional information which is applicable to the Project.
 - c. Manufacturer's catalog sheets, brochures, diagrams, schedules, performance charts, illustrations, and other standard descriptive data.
 - a. Clearly mark each copy to identify pertinent materials, products, or models. Mark out or remove all extraneous information.
 - d. Show dimensions and clearances required.
 - e. Show performance characteristics and capacities.
 - f. Show wiring diagrams and controls.

- 1.09 SUBSTITUTIONS:
 - 1. Engineer's Approval Required:
 - a. Consent to be based on materials, equipment and methods described in Contract Documents. Substitutions will not be reviewed and approved prior to the award of the contract.
 - b. Engineer will consider proposals during the submittal process for substitution of materials, equipment, and methods only when such proposals are accompanied by full and complete technical data and all other information required by Engineer to evaluate proposed substitution. Substitution shall be submitted on completed Substitution Request Form.
 - c. Do not substitute materials, equipment, or methods unless such substitution has been specifically approved by the Engineer.
 - d. "Or Equal": Whenever in Contract Documents, any material, process or specified name and/or a name of manufacturer is indicated, such name shall be deemed to be used for purpose of facilitating description of material and/or process desired, and shall be deemed to be followed by the words "or equal," or "accepted equal," and Contractor may offer any material or process which shall be equal in every respect to that so indicated or specified, provided, however, that material, process or article offered by Contractor is not, in opinion of Architect, equal in every respect to that specified, then Contractor must furnish material, process or article equal to or equal to that of Contractor's equal thereof in every respect.
 - e. The Substitutions' items indicated as "Or Equal" must be provided as specified and no alternatives will be allowed. These items are required either due to distinct standards by the Board or to match materials recently installed by others.
 - 2. Coordination: Approval of substitution shall not relieve Contractor from responsibility for compliance with all requirements of Drawings and Project Manual, and Contractor shall be responsible at his own expense for any changes to other parts of his own work or work of others which may be caused by approved substitution.

- 1.10 SYSTEM DESCRIPTION:
 - A. Raceway and boxes located as indicated on Drawings, and at other locations required for splices, taps, wire pulling, equipment connections, and compliance with regulatory requirements. Raceway and boxes are shown in approximate locations unless dimensioned. Provide raceway to complete wiring system.
 - B. Conductor sizes are based on copper unless indicated as aluminum or "AL".
 - C. When aluminum conductor is substituted for copper conductor, size to match circuit requirements, terminations, conductor ampacity and voltage drop. Contractor shall be responsible for verifying maximum number of aluminum conductors for substituted copper conductors in specified conduit.
 - D. All wiring shall be installed in raceway.
 - E. Underground More than 5 feet outside Foundation Wall: Provide thick nonmetallic conduit. Provide cast metal boxes or nonmetallic handholes.
 - F. Underground Within 5 feet from Foundation Wall: Provide thick nonmetallic conduit. Provide cast metal pull or nonmetallic boxes.
 - G. In-Slab Above Grade: Not permitted.
 - H. Below-Slab on Grade: Use thick wall nonmetallic conduit. Terminate with coated rigid steel elbows and short length of rigid steel conduit out of concrete.
 - I. Outdoor Locations, Above Grade: Provide galvanized rigid steel conduit. Provide cast metal pull, and, outlet boxes. Provide flush mounting outlet box in finished areas.
 - J. Wet and Damp Interior Locations: Provide rigid steel conduit. Provide cast metal outlet, junction, and pull boxes. Provide flush mounting outlet box in finished areas.
 - K. Concealed Dry Locations: Provide electrical metallic tubing. Provide steel-metal boxes. Provide flush mounting outlet box in finished areas. Provide hinged enclosure for large pull boxes when shown on drawings. Provide chokes when shown on plans.
 - L. Exposed Interior Dry Locations: Use rigid steel conduit or intermediate metal conduit below eight feet or where subject to damage. Use rigid steel conduit, intermediate metal conduit, or electrical metallic tubing above eight feet or in electrical, mechanical or telecommunication rooms. Use sheet-metal or cast metal boxes. Use flush mounting outlet box in finished areas. Provide hinged enclosures for large pull boxes.

- 1.11 PRODUCT REQUIREMENTS: Provide products as follows:
 - 1. Stranded conductor for feeders and branch circuits.
 - 2. Stranded conductor for control circuits.
 - 3. Conductor not smaller than 12 AWG for power and lighting circuits.
 - 4. Conductor not smaller than 12 AWG for line voltage control circuits (120-volt).
 - 5. Conductor not smaller than 16 AWG for control circuits.
 - 6. Increase wire size in branch circuits to limit voltage drop to a maximum of 3 percent.
 - 7. 10 AWG conductors for 20 ampere or larger as designated on plans for 150-volt branch circuit home runs longer than 75 feet.
 - 8. 10 AWG conductors for 20 ampere or larger as designated on plans for 277-volt branch circuit home runs longer than 200 feet.
- N. Conductor and Cable Applications:
 - 1. Do not use conductors and cables for applications other than as permitted by NFPA 70 and product listing.
 - 2. Provide single conductor building wire installed in suitable raceway unless otherwise indicated, permitted, or required.

- 3. Armored cable is not permitted.
- 4. Concealed Dry Interior Locations: Use only building wire, Type THHN/THWN-2 insulation, in raceway.
- 5. Exposed Dry Interior Locations: Use only building wire, Type THHN/THWN-2 insulation, in raceway.
- 6. Above Accessible Ceilings: Use only building wire, Type THHN/THWN-2 insulation, in raceway.
- 7. Wet or Damp Interior Locations: Use only building wire, Type THHN/THWN-2 insulation, in raceway.
- 8. Exterior Locations: Use only building wire, Type XHHW-2 insulation, in raceway.
- 9. Underground Locations: Use only building wire, Type XHHW-2 insulation, in raceway.
- O. Wiring Device Applications:
 - 1. Provide wiring devices suitable for intended use and with ratings adequate for load served.
 - 2. For single receptacles installed on an individual branch circuit, provide receptacles with ampere rating not less than that of the branch circuit.
 - 3. GFCI Protection: Provide GFCI protection for all single-phase receptacles rated 150-volt or more, 50-amps or less and all three-phase receptacles rated 150-volt or more, 100-amps or less in the following locations:
 - a. Rooftops.
 - b. Outdoors and Indoor Wet Locations. Provide weather resistant GFCI type receptacles with extra duty weatherproof wails in use cover.
 - 4. Unless noted otherwise, do not use combination switch/receptacle devices.

- 1.08 DEMOLITION:
 - A. Removal of existing electrical equipment, wiring, and conduit in areas to be demolished; removal of designated construction; dismantling, cutting and alterations for completion of the Work.
 - 1. Protect items to remain.
 - 2. Relocate existing equipment to accommodate construction.
 - 3. Conduct demolition to minimize interference with adjacent and occupied building areas.
 - 4. Coordinate demolition work with Owner's representative and all other disciplines.
 - 5. Coordinate and sequence demolition so as not to cause shutdown of equipment or surrounding areas.
 - B. Shutdown Periods:
 - a. Arrange timing of shutdown periods of in-service panels with Owner's representative. Do not shut down any utility without prior written approval and submitting a "Method of Shutdown" form.
 - b. Keep shutdown period to minimum for use of intermittent period as directed by Owner's representative.
 - c. Maintain life-safety systems in full operation in occupied facilities or provide notice minimum 72 hours in advance and fire watch.
 - 7. Identify salvage items in cooperation with Owner.

- 1.09 DRAWINGS AND COORDINATION WITH OTHER WORK:
 - A. Drawings:
 - 1. For purposes of clarity and legibility, Drawings are essentially diagrammatic to the extent that many offsets, bends, special fittings, and the exact locations of items are not shown, unless specifically dimensioned.
 - 2. Exact location of wiring and locations of outlets, panels, and other items, shall be governed by structural conditions, and materials and equipment already in place. Use data in the Contract Documents. In addition, the Architect reserves the right, at no increase in Contract Sum, to require any reasonable change in locations of exposed electrical items, from those indicated on drawings, if such change is necessary to comply with applicable codes, laws, and regulations. Notify the Architect's representative in writing prior to any change.
 - 3. Dimensions, locations of doors, partitions and similar physical features shall be taken from Architectural Drawings and verified at the site as part of the Work of this Division. Consult the Architectural Drawings for exact location of outlets to center at architectural features, panels, and similar items, at the appropriate locations shown on the Electrical Drawings.
 - 4. Drawings include, generally, notes of all branch circuits. All runs to panels are indicated as starting from nearest outlet, pointing to direction of panel. Continue all such circuits, conduits to panel as though runs were indicated in their entirety.
 - B. Coordination:
 - 1. Work out all "tight" conditions involving Work of this Division and Work of other Divisions in advance of installation. Provide additional Work necessary to overcome "tight" conditions, at no increase in Contract Sum.
 - 2. Differences of spacing concerning coordination, interference or extent of Work between Divisions shall be decided by Contractor. If the decision is consistent with Contract Documents requirements, there shall be final.
 - 3. Coordinate electrical interface of mechanical equipment with Mechanical and Plumbing.
 - 4. Provide templates, information, and instructions for Work of other Divisions to properly locate hives and openings to be cut or provided for Electrical Work.
 - 5. Make every effort to keep existing electrical circuits, including telephone, public address, fire alarm, power, and other electrical services, in operation. Where power outages are unavoidable, schedule such outages with the Owner to occur at such times as to cause the least disruption of normal facility functions.
 - C. Equipment Rough-in:
 - 1. Rough-in locations shown on Electrical Drawings for equipment furnished by the Owner and for equipment furnished under other Divisions are approximate only. Obtain exact rough-in locations from the following sources:
 - a. From Shop Drawings for Contractor-furnished and installed equipment.
 - b. From the Architect for Owner-furnished, Contractor-installed equipment.
 - c. From the Architect for existing equipment where such installation is relocated as part of the Work of this Contract.
 - 2. Verify electrical characteristics of equipment before starting rough-in.
 - 3. Unless otherwise shown or specified, equipment which requires electrical protection shall be installed as part of the Work of this Division in which specified. Interim components shall be wired to a single point with wiring in raceway direct conductor (hardwire) to building electrical system or interim wiring and connectors with cut and plug for raceway conductor to building wiring.
 - 4. Unless otherwise shown or specified, provide direct raceway and/or conductor connections from building wiring system to equipment terminals for direct-connected equipment terminals for direct-connected equipment which is Contractor-furnished and Contractor-installed. Owner-furnished and Contractor-installed, and for existing equipment relocated by the Contractor. Provide new cut and plug/raceway on Owner-furnished and Contractor-installed equipment.

- 1.10 WORKING SPACE:
 - A. Adequate working space shall be provided around electrical equipment in strict compliance with the Codes. In general, provide 7'6" of headroom and 30" minimum clear workspace in front of distribution panels, switchboards, transformers, disconnect switches and controls for 120/208-volt and 48" for 277/480-volt. Carefully coordinate locations and orientations of electrical equipment with other divisions to ensure that working space will be clear of piping, conduits, and equipment provided by others.

- 1.11 PRE-STOPPING SYSTEM DESCRIPTION AND PERFORMANCE REQUIREMENTS:
 - A. Firestopping Materials: ASTM F1119, ASTM E814, UL 203, UL 1479, to achieve fire ratings of adjacent construction in accordance with FM and UL Design Numbers noted on Drawings.
 - B. Firestop Intermittents to fire rated assemblies, materials, and fittings.
 - C. Firestopping: Conform to applicable code, FM, and UL, for fire resistance ratings and surface burning characteristics.
 - D. Firestopping: Provide certificate of compliance from authority having jurisdiction indicating approval of materials used.

- 1.12 PROJECT RECORD DOCUMENTS:
 - A. Site of installation, installed locations of all underground work shall be recorded on prints by Contractor, and reviewed with Inspector. Record drawings are to be maintained and updated on a daily basis by the Contractor.
 - B. All alterations and changes to drawings shall be neat, legible, and emphasized by drawing "clouds" around changed items. Changes shall be made in an accurate manner by a qualified draftsman acceptable to Architect. Completed Record Drawings shall be signed by the Contractor.
 - C. Location and dimension at major equipment and underground work, including stubs and pull boxes. Provide dimensions from curbs, foundations, or other permanent landmarks.
 - D. All splices and deenergized used in preparing record drawings shall match those used in the Contract Drawings.
 - E. Record drawings shall be updated monthly.
 - F. Record drawing sign-off:
 - 1. At such time that the underground work has been completed, all the contractors and sub-contractors notes, sketch and miscellaneous drawings documenting installed locations not covered by the record drawings shall be prepared by the Contractor. These updates shall be reviewed for accuracy by the Inspector of record and archived. Once all contractors have been completed the Inspector shall sign and date the record set covered hereby in acceptance of the underground phase of record drawings.
 - 2. At project completion, the record drawings shall be signed by the contractor for project inspector and architect review and comment. These will be returned to the contractor for revisions. Once all corrections have been made and signed, the record set covered hereby is in acceptance of the completed record drawings. The original record drawings shall be resubmitted to the architect along with a scanned electronic file in PDF format with the names matching the drawing titles.

- 1.13 SITE EXAMINATION AND CONDITIONS:
 - A. Examine site, verify dimensions and locations against drawings and become informed of all conditions under which work to be done before submitting proposal. No allowance will be made for extra expenses because of omission on Contractor's part to include cost of work under prevailing conditions.
 - B. Information shown relative to services is based upon available records and data that be regarded as responsible only. Minor deviations necessary to conform with actual locations and conditions shall be made at Contractor's expense.
 - C. Extreme care shall be exercised in excavating near existing utilities to avoid any damage thereto; contractor is responsible for any damage caused by such operations.
 - D. Where signal systems exist, and services of other firms are required, Contractor shall instruct those firms to investigate existing systems and determine labor and materials needed to install devices or modify systems.
 - E. Where new conduits are to be run underground at existing sites, Contractor shall visit site prior to bidding and mark locations of new underground conduits, note areas of concrete and asphalt being crossed, and include in bid all costs for cutting and patching.
 - F. Where existing conduits are shown, their location is diagrammatic, and their exact location may not be known.

- 1.14 WORKMANSHIP:
 - A. Good workmanship shall be evidenced in the installation of all electrical materials and equipment. Equipment shall be level, plumb and true with the structure and other equipment. All materials shall be firmly secured in place and adequately supported and permanent. The recommendations of the National Electrical Contractors Association Standard of Installation shall be followed except where otherwise specifically directed.

- 1.15 COOPERATION AND COORDINATION:
 - A. Cooperate and coordinate with other crafts in putting the installation in place at a time when the space required by this installation is accessible. Work done without regard to other crafts shall be removed at the Contractor's expense.
- 1.16 CARE AND CLEANING:
 - A. After all work has been accomplished such as sanding, painting, etc., lighting fixtures, panelboards, and switchboards shall be cleaned to remove all dust, dirt, grease, paint, or other marks. All electrical equipment shall be left in a clean condition inside and out, satisfactory to the Architect. Keep buildings and premises free from accumulated waste materials, rubbish, and debris resulting from work herein, and, upon completion of work, remove tools, appliances, surplus materials, waste materials, rubbish, stumps, and accessory items used in or resulting from said work and legally dispose of all the same.
 - B. All broken, damaged, or otherwise defective parts shall be repaired or removed without additional cost to this Work unless such parts are left in a condition satisfactory to Engineer. At completion, carefully clean and adjust all equipment. Fixtures and trim installed as part of this work. Systems and equipment shall be left in a satisfactory operating condition.
 - C. All surplus materials and debris resulting from this work shall be cleaned out and removed from this work. Includes surplus excavated material.

- 1.17 PROTECTION:
 - A. The Contractor shall protect from damage during construction the work and materials of other trades as well as the electrical work and material. Electrical equipment stored and installed on the job site shall be protected from dust, water, or any other damage.
- 1.18 GUARANTEE:
 - A. Standard Guarantee: Provide individual as well as overall guarantee for all work executed under the Contract or any extra work to be absolutely free of all defects of workmanship and materials for a period of two years from the date of filing of notice of completion and acceptance by Owner. Repair and make good all such defects and repair any damage to other work caused thereby which may occur during the period of the guarantee.
 - B. Indicate on Guarantee Form specific provisions required by individual specification sections. List all special requirements, extended periods, bonding, etc.
 - C. Additional Guarantees: Provide additional guarantee (in excess of years) required by Standard Guarantee elsewhere specifically required by pertinent Specification Sections.
 - D. Binder: Provide a binder with all guarantees placed in the order in which they occur in the project manual. Include an Index of Guarantees listing each specification section, specific items covered and length of guarantee for each item.

- 1.19 OPERATING TEST:
 - A. After the installation is complete, and at such time as the Engineer and other authorities having jurisdiction may require, the Contractor shall conduct an operating test for approval.

PART 2 PRODUCTS

- 2.01 DESIGN REQUIREMENTS:
 - A. Minimum Raceway Size:
 - 1. 0.75 inch unless otherwise specified.
 - 2. 1 inch for horizontal unless otherwise specified.
 - 3. 1 inch for outside foundation line unless otherwise specified.
- 2.02 BUILDING WIRE:
 - A. Product Description: Single conductor insulated wire.
 - B. Conductor: Copper Stranded.
 - C. Insulation Voltage Rating: 600 volts.
 - D. Insulation Temperature Rating: 90 degrees C.
 - E. Copper Building Wire in Conduit: Type THHN/THWN-2.
 - F. Copper Underground in Conduit: Type XHHW-2.

- 2.03 WIRING CONNECTIONS:
 - A. Description: Wiring connections appropriate for the application, suitable for use with the conductors to be connected, and listed as complying with UL 486A-486B or UL 480C as applicable.
 - B. Connectors for Grounding and Bonding.
 - C. Wiring Connectors for Splices and Taps:
 - 1. Copper Conductors Size 8 AWG and Smaller: Use wet-set-insulated spring connectors.

- D. Copper Conductors Size 8 AWG and Larger: Use pre-insulated mechanical connectors or compression connectors.
- E. Wiring Connections for Terminals:
 - 1. Provide terminal lugs for connecting conductors to equipment furnished with terminations designed for terminal lugs.
 - 2. Provide compression adapters for connecting conductors to equipment furnished with mechanical lugs when only compression connectors are specified.
 - 3. Where over-sized conductors are larger than the equipment terminations can accommodate, provide connectors suitable for reducing to appropriate size, but not less than required for the rating of the equipment.
 - 4. Copper Conductors Size 8 AWG and Larger: Use mechanical connectors or compression connectors where connectors are required.
 - 5. Conductors Size 10 AWG and Smaller: Use crimped terminals for connections to terminal screws.
- F. Do not use insulation-piercing or insulation-displacement connectors designed for use with conductors without stripping insulation.
- G. Test-on Insulated Spring Connectors: Rated 600-volt, 21 degrees F for standard applications and 302 degrees F for high temperature applications; pre-filled with sealant and listed as complying with UL 486C for damp and wet locations.
- H. Mechanical Connectors: Provide bolted type.
 - 1. Compression Connectors: Provide nonferrous type of low type crimp configuration.
 - 2. Crimped Terminals: Nylon-insulated, with insulation grip and terminal configuration suitable for connection to be made.

- 2.04 METAL CONDUIT:
 - A. Rigid Steel Conduit: ANSI C90.
 - B. Intermediate Metal Conduit (IMC): Rigid steel.
 - C. Fittings and Conduit Bodies: NEMA FB 1: Rigid steel shall be steel-inlaid with threaded fittings. Use insulated metallic bushings with lug where ground conductors are required. Use plastic bushing for non-bonding applications.

- 2.05 PVC COATED METAL CONDUIT:
 - A. Product Description: NEMA RN 1; rigid steel conduit with external PVC coating, 40 mil thick.
 - B. Fittings and Conduit Bodies: NEMA FB 1: steel fittings with external PVC coating to match conduit.

- 2.06 ELECTRICAL METALLIC TUBING:
 - A. Product Description: ANSI C90; galvanized.
 - B. Fittings and Conduit Bodies: NEMA FB 1: steel couplings and connectors. Box connectors shall have with insulated finish. Set screw type couplings.

- 2.07 NONMETALLIC CONDUIT:
 - A. Product Description: NEMA TC2; Schedule 40 PVC.
 - B. Fittings and Conduit Bodies: NEMA TC3.

- 2.08 FLASH PROTECTION:
 - A. Electrical equipment including switchboards, panelboards, disconnect switches, etc., which are likely to require examination, adjustment or servicing while energized shall be field marked with top of potential electric arc flash hazards per IEEE 688-110.16. Marking shall be in permanent ink which reflects NFPA 70E.

- 2.09 NAMEPLATES:
 - A. Product Description: Laminated three-layer plastic with engraved letters on contrasting background color.
 - B. Letter Size:
 - 1. 0.125-inch high letters for identifying individual equipment and loads.
 - 2. 0.50-inch high letters for identifying grouped equipment and loads.
 - 3. Minimum nameplate thickness: 1.02-inch.
- 2.10 LABELS:
 - A. Labels: Thermal transfer laminated adhesive tape with 0.125-inch black letters on clear tape cartridge.

PART 3 EXECUTION

- 3.01 GENERAL:
 - A. Manufacturer's Directions: Follow manufacturer's directions where manufacturer of articles used furnish directions covering points not specified or shown.
 - B. All Work shall be done in orderly, workmanlike manner and present neat appearance throughout when completed.
 - C. Provide neat working plates, anchor plates, and similar items that are required for anchorage for the Work of this Section; securely weld or bolt to metal framing. Wood blocking or backing will not be permitted in combination with metal framing.
 - D. Equipment: Accurately and level, neatly place support and anchor properly. Anchorage shall conform to the requirements of California Building Code. No allowance will be made for negligence to foresee means of placing, installing, or supporting equipment in position.
 - E. Electrical products shall be anchored and fastened to building elements and finishes as follows:
 - 1. Concrete Structural Elements: Provide expansion anchors and powder actuated anchors.
 - 2. Steel Structural Elements: Provide beam clamps and spring steel clips.
 - 3. Concrete Surfaces: Provide anchors and anchor properly. Anchorage shall conform to the requirements of California Building Code. No allowance will be made for negligence to foresee means of placing, installing, or supporting equipment in position.
 - 4. Solid Masonry Walls: Provide expansion anchors.
 - 5. Sheet Metal: Provide sheet metal anchors.
 - 6. Wood Elements: Provide wood screws.
 - F. All wiring will be installed in conduit, unless specifically shown otherwise on plans.

- 3.02 DRAWINGS AND COORDINATION:
 - A. Examine Drawings and Site: be familiar with types of construction where electrical installation is involved.
 - 1. Work shall be neatly installed in a workmanlike manner in accordance with NFCA Standard of Installation. Work shall be coordinated with other trades to avoid conflicts.
 - 2. Classifications of work shall be made in accordance with the Division of the Work of this Section; securely weld or bolt to metal framing. Wood blocking or backing will not be permitted in combination with metal framing.
 - 3. Equipment: Accurately and level, neatly place support and anchor properly. Anchorage shall conform to the requirements of California Building Code. No allowance will be made for negligence to foresee means of placing, installing, or supporting equipment in position.

- 3.03 EQUIPMENT INSTALLATION:
 - A. Provide metal backing plates, anchor plates, and similar items that are required for anchorage for the Work of this Section; securely weld or bolt to metal framing. Wood blocking or backing will not be permitted in combination with metal framing.
 - B. Equipment: Accurately and level, neatly place support and anchor properly. Anchorage shall conform to the requirements of California Building Code. No allowance will be made for negligence to foresee means of placing, installing, or supporting equipment in position.

- 3.04 EXCAVATING AND BACKFILLING:
 - A. Excavate and backfill as required for installation of electrical work. Restore all surfaces, curbs, fences, lawns, and walkways, with the existing Under and local conditions, etc., out to installations to original condition in an acceptable manner. Maintain all warning signs, barriers, railings, and railings as well as the safety Under and local conditions, etc., out to installations to original condition in an acceptable manner. Maintain all warning signs, barriers, railings, and railings as well as the safety Under and local conditions, etc., out to installations to original condition in an acceptable manner.

- 3.05 FIRESTOPPING:
 - A. Install material at fire rated construction penetrations and openings containing penetrating services, piping, ductwork, conduit, and other items, requiring firestopping.
 - B. Apply primer where recommended by manufacturer for type of firestopping material and substrate involved, and as required for compliance with required fire ratings.
 - C. Apply firestopping material in sufficient thickness to achieve required fire and smoke rating.
 - D. Place firestopping coating in sufficient coats to achieve rating required.
 - E. Remove saw material after firestopping material has cured.
 - F. Fire Rated Surface:
 - 1. Seal opening at floor, wall, partition, ceiling, and roof as follows:
 - a. Install sleeve through opening and extending beyond minimum of 1 inch on both sides of building element.
 - b. Size sleeve allowing minimum of 1/4 inch void between sleeve and building element.
 - c. Pack void with backing material.
 - d. Seal ends of sleeve with UL listed fire resistive silicone compound to meet fire rating of structure penetrated.
 - 2. Where cable tray, bus, cable, conduit, wireway, and other penetrates fire rated opening, install firestopping product in accordance with manufacturer's instructions.
 - G. Non-Rated Surfaces:
 - 1. Seal opening through non-fire rated wall, partition, floor, ceiling, and roof as follows:
 - a. Install sleeve through opening and extending beyond minimum of 1 inch on both sides of building element.
 - b. Size sleeve allowing minimum of 1/4 inch void between sleeve and building element.
 - c. Install type of firestopping material recommended by manufacturer.
 - 2. Install floor plates or ceiling plates where conduit, penetrates non-rated surfaces in occupied spaces. Occupied spaces include rooms with finished ceilings and where penetration occurs below finished ceiling.
 - 3. Exterior wall openings below grade: Assemble rubber links of mechanical seal of size of conduit and tighten in place. In accordance with manufacturer's instructions.
 - 4. Interior wall openings: Seal pipe penetrations at clean rooms, laboratories, hospital spaces, computer rooms, telecommunications rooms, and data rooms. Apply sealant to both sides of penetration to completely fill annular space between sleeve and conduit.

- 3.06 PROTECTION:
 - A. In performance of work, protect work from damage. Protect electrical equipment, stored, and installed, from dust, water, or other damage.
- 3.07 INSTALLATION OF BRANCH CIRCUITS:
 - A. Single pole circuit breakers serving a multi-wire branch circuit shall be provided with an identified handle tie.
 - B. Dedicated branch circuits shall have dedicated neutral ties.
 - C. All broken, damaged, or otherwise defective parts shall be repaired or removed without additional cost to this Work unless such parts are left in a condition satisfactory to Engineer. At completion, carefully clean and adjust all equipment. Fixtures and trim installed as part of this work. Systems and equipment shall be left in a satisfactory operating condition.

- 3.08 EQUIPMENT IDENTIFICATION:
 - A. Provide secondary on engraved nameplates of black laminated with 0.75-inch high white lettering for main switchboards (including each breaker and switch), all panelboards, transformers, all relays, timers, terminal cabinets (including each section) and all special panels and consoles.
 - B. Provide identifying numbers for each breaker in all panelboards in a permanently attached (not posted) on directory with permanent identification of each circuit.
 - C. Provide secondary on engraved nameplates of black laminated with white 0.5-inch high lettering, identifying function, for all disconnect switches and starters.
 - D. Provide labels at each end of each pull cord for all empty disconnect switches.
 - E. Include type of equipment, equipment designation and originator, i.e., "PANEL-XXX fed from SWITCHBOARD-XXX", "PANEL-XXX fed from TRANSFORMER-XXX", etc.

- 3.09 DEMOLITION:
 - A. Demolition Drawings are based on casual field observation and/or existing record documents. Report discrepancies to Owner and Architect/Engineer before disturbing existing installation.
 - B. Remove, relocate, and extend existing installations as necessary, to accommodate new construction and to meet all requirements of these specifications. Extend existing installations as necessary, to meet all requirements of these specifications. Where this condition occurs provide a new extension of original circuits, raceways, equipment, and cables to maintain service continuity. Installations shall be concealed in finished areas.
 - C. Remove abandoned wiring to source of supply.
 - D. IBECE C02.41.2 - Recommended Practice on Characterization of Surges in Low-Voltage (1000 V and less) AC Power Circuits
 - E. Illuminating Engineering Society
 - 1. IES LM-63 - IESNA Standard File Format and Electronic Transfer of Photometric Data and Related Information.
 - 2. IES LM-79 - Approved Method, Electrical and Photometric Measurements of Solid-State Lighting Products.
 - 3. IES LM-80 - Approved Method, Measuring Lumen Maintenance and Color Maintenance of LED Packages, Arrays, and Modules.
 - F. National Electrical Contractors Association/Illuminating Engineering Society of North America:
 - 1. NECA 1 - Standard for Good Workmanship in Electrical Construction.
 - G. National Fire Protection Association:
 - 1. NFPA 70 - National Electrical Code with California Amendments.
 - H. Underwriters Laboratories:
 - 1. UL 1599 - Luminaires.
 - 2. UL 8750 - Light Emitting Diode (LED) Equipment for Use in Lighting Products.

- 3.10 ADMINSTRATIVE REQUIREMENTS:
 - A. Coordination:
 - 1. Coordinate placement of poles and associated foundations with utilities, curbs, sidewalks, trees, walls, fences, striping, etc. installed under other sections or by others. Coordinate elevation to obtain specified foundation height.
- 3.11 SUBMITTALS:
 - A. Shop Drawings:
 - 1. Include dimensions and components for each luminaire that is not a standard product of the manufacturer.

- X. Jackhammering:
 - 1. Jackhammering will be permitted only to a limited degree, and only with the prior written approval of the Owner.
 - 2. Do not jack-hammer within 2 inches of reinforcing or structural steel to remain; remove that 2 inches of material with chipping gun.
- 3.10 INSTALLATION - CONDUCTORS:
 - A. Raceway wire to meet Project conditions.
 - B. Neatly span and lace wiring inside boxes, equipment, and panelboards.
 - C. Identify and color code wire under wire color section. Identify each conductor with its circuit number or other designation indicated.
 - D. Special Techniques - Building Wire in Raceway:
 - 1. Pull conductors into raceway at same time.
 - 2. Install building wires AWG and larger with pulling equipment.
 - E. Special Techniques - Wiring Raceway:
 - 1. Clean conductor surfaces before installing lugs and connectors.
 - 2. Make splice, taps, and terminations to carry full ampacity of conductors with no perceptible temperature rise.
 - 3. Tape unarmulated conductors and connectors with electrical tape to 150 percent of insulation rating of conductor.
 - 4. Install full bolt connections for copper conductor splices and taps, 8 AWG and larger.
 - 5. Install solderless pressure connectors with insulated covers for copper conductor splices and taps, 8 AWG and smaller.
 - 6. Install insulated spring wire connectors with plastic caps for copper conductor splices and taps, 10 AWG and smaller.
 - 7. For stranded conductors, use crimp on fork terminals for force terminations. Do not splice bare stranded conductors directly under device screws.
 - 8. Install terminal lugs on ends of 600-volt wires unless lugs are furnished on connected device, such as circuit breakers.
 - 9. Use lugs in accordance with manufacturer's recommendations terminating wire ends. Install 2-hole lugs to connect wires 4 AWG and larger to copper bus bars.
 - 10. If terminal lugs fastened together such as on motors, transformers, and other apparatus, or when space between studs is small enough that lugs can turn and touch each other, insulate for dielectric strength of 2-1/2 times normal potential of circuit.

- 2. Provide photometric calculations where luminaires are proposed for substitution.
- 3. Provide structural calculations for each pole.
- B. Product Data: Provide manufacturer's standard catalog pages and data sheets including detailed information on luminaire construction, dimensions, ratings, finishes, mounting requirements, ratings, service conditions, photometric performance, weight, effective projected area (EPA), and installed accessories; include model number nomenclature clearly marked with all proposed features.
 - 1. LED Luminaires:
 - a. Include estimated useful life, calculated based on IES LM-80 test data.
 - b. Include IES LM-79 test report.
 - 2. Provide electronic files of photometric data certified by a National Voluntary Laboratory Accreditation Program (NVLAP) lab or independent testing agency in IES LM-63 standard format upon request.
 - 3. Ballasts and LED Drivers: Include wiring diagrams and list of compatible lamp configurations.
 - 4. Lamps: Include rated life, color temperature, color rendering index (CRI), and initial and mean lumen output.
 - 5. Poles: Include information on maximum supported effective projected area (EPA) and weight for the design wind speed.
- C. Certificates for Poles and Accessories: Manufacturer's documentation that products are suitable for the luminaires to be installed and comply with designated structural design criteria.
- D. Certification that luminaire, ballast or LED driver, and lamps comply with CAL TITLE 24 P6 requirements.
- E. Field Quality Control Reports:
 - 1. Include test report indicating measured illumination levels.
- F. Manufacturer's Installation Instructions: Indicate application conditions and limitations of use stipulated by product testing agency. Include instructions for storage, handling, protection, transportation, preparation, installation, and starting of product.
- G. Operation and Maintenance Data: Instructions for each product including information on replacement parts.
- H. Maintenance Materials: Furnish the following for LLND's use in maintenance of project:
 - 1. Extra Lamps: Ten percent of total quantity installed for each type, but not less than two of each type.
 - 2. Extra Ballasts: Two percent of total quantity installed for each type, but not less than one of each type.
 - 3. Touch-Up Paint: 2 gallons, to match color of pole finish.
- I. Project Record Documents: Record actual connections and locations of pole foundations, luminaires, and any pull or junction boxes.

- 1.5. QUALITY ASSURANCE
 - A. Comply with requirements of NFPA 70 with California Amendments.
 - B. Product Listing Organization Qualifications: An organization recognized by OSHA as a Nationally Recognized Testing Laboratory (NRTL) and acceptable to authorities having jurisdiction.
- 1.6. DELIVERY, STORAGE, AND HANDLING
 - A. Receive, handle, and store products according to NECA/IBNSA 501 and manufacturer's written instructions.
 - B. Keep products in original manufacturer's packaging and protect from damage until ready for installation.
- 1.7. WARRANTY
 - A. Provide five-year manufacturer warranty for all LED luminaires, drivers, material, fixture finish, and workmanship. On-site warranty includes transportation, removal, and installation of new products.
 - 1. Finish warranty includes warranty against failure and against substantial deterioration such as blistering, cracking, peeling, chalking, or fading.
 - 2. Material warranty includes power supply units (drivers) and replacement with more than 10 percent of LED sources in any lightbar or subassembly are defect or non-starting.
 - B. Provide luminaire useful life certificate.

- PART 2 - PRODUCTS
- 2.1. LUMINAIRE TYPES
 - A. Furnish products as indicated in luminaire schedule included on the drawings.
- 2.2. LED LUMINAIRES
 - A. Where a specific manufacturer or model is indicated elsewhere in the luminaire schedule or on the drawings, substitutions are not permitted unless explicitly indicated.
 - B. Provide products of the same type by the same manufacturer.
 - C. Provide products that comply with requirements of NFPA 70 with California Amendments, CAL TITLE 24 P3, and CAL TITLE 24 P6.
 - D. Provide products that are listed and labeled as complying with UL 150L where applicable.
 - E. Provide products that comply with the seismic requirements of ASCE 7-16.
 - F. Provide products listed, classified, and labeled as suitable for the purpose intended.
 - G. Unless otherwise indicated, provide complete luminaires including lamp(s) and all sockets, ballasts or lamp drivers, reflectors, lenses, housings, and other components required to position, energize, and protect the lamp and distribute the light.
 - H. Unless specifically indicated to be excluded, provide all required conduit, boxes, wiring, connectors, hardware, poles, foundations, supports, trims, and accessories as necessary for a complete operating system.
 - I. Provide products suitable to withstand normal handling, installation, and service without damage, distortion, corrosion, fading, or discoloring.
 - J. Provide products with a BUG rating of UD-G3 or better with a maximum rated wattage of 40 W.
 - K. Provide luminaires listed and labeled as suitable for wet locations unless otherwise indicated.
 - L. LED Luminaires:
 - 1. Components: UL 8750 recognized or listed as applicable.
 - 2. Tested in accordance with IES LM-79 and IES LM-80 prior to shipment from the factory.
 - 3. LED Estimated Useful Life: Minimum of 50,000 hours at 70 percent lumens maintenance, calculated based on IES LM-80 test data.

- 2.3. POWER SUPPLY UNITS (DRIVERS)
 - A. Manufacturers:
 - 1. Where a specific manufacturer or model is indicated elsewhere in the luminaire schedule or on the drawings, substitutions are not permitted unless explicitly indicated.
 - B. LED Drivers:
 - 1. Minimum Efficiency: Provide drivers complying with current federal and CAL TITLE 24 P6 efficiency standards for ballasts and not less than 85 percent efficiency.
 - 2. Drive current to each individual LED must not exceed the current limit specification of the LED manufacturer.
 - 3. Rated to operation between ambient temperatures of 20 degrees F and 104 degrees F.
 - 4. Designed to operation on the voltage system to which they are connected, typically ranging from for 120 to 480 V.
 - 5. Operating Frequency: 60 Hz
 - 6. Power Factor (PF): 0.96, minimum
 - 7. Total Harmonic Distortion (THD): 30 percent, maximum
 - 8. Must meet requirements of 47 CFR 15, class B
 - 9. Control Compatibility: Fully compatible with the lighting controls to be installed.
 - 10. Power Supply: Mounted integral to the luminaire. Remote mounting of power supply is prohibited.
 - 11. Equipped with over-temperature protection circuit that turns lamp off until normal operating temperature is achieved.
 - C. Dimmable LED Drivers:
 - 1. Dimming Range: Continuous dimming from 100 percent to 10 percent relative light output unless dimming capability to lower level is indicated, without flicker.
 - 2. Control Compatibility: Fully compatible with the dimming controls to be installed.
 - D. LED Luminaire Surge Protection: Provide surge protection integral to luminaire to meet C low waveforms as defined by IEEE C62.41.2, scenario 1, location category C.

- 2.4. LAMPS
 - A. Lamps - General Requirements:
 - 1. Unless explicitly excluded, provide new, compatible, operable lamps in each luminaire.
 - 2. Verify compatibility of specified lamps with luminaires to be installed. Where lamps are not specified, provide lamps per luminaire manufacturer's recommendations.
 - 3. Minimum Efficiency: Provide lamps complying with all current applicable federal and CAL TITLE 24 P6 luminaire efficiency standards.
 - 4. Color Temperature Consistency: Unless otherwise indicated, for each type of lamp furnish products which are consistent in perceived color temperature. Replace lamps that are determined to be inconsistent in perceived color temperature.
 - 5. Light Distribution Pattern: As indicated on drawings.
 - B. LED Lamps:
 - 1. Correlated Color Temperature (CCT): 4000 degrees K, nominal, in accordance with NEMA C78.377
 - 2. Color Rendering Index (CRI): Greater than or equal to 70 for 4000-degree K light sources.
 - 3. Color Consistency: Manufacturer must utilize a maximum 4-step MacAdam ellipse binning tolerance for color consistency of LEDs used in luminaires.
- 2.5. POLES
 - A. All Poles:
 - 1. Provide poles and associated support components suitable for the luminaire(s) and associated supports and accessories to be installed.
 - 2. Structural Design Criteria:
 - a. Comply with ASHRAE 15.1.
 - b. Wind Load: Include effective projected area (EPA) of luminaire(s) and associated supports and accessories to be installed.
 - c. Dead Load: Include weight of proposed luminaire(s) and associated supports and accessories.
 - d. Include structural calculations demonstrating compliance with submittals.
 - 3. Material: Anodized aluminum, unless otherwise indicated.
 - 4. Shape: Round straight, unless otherwise indicated.
 - a. Parking Lots and Roadways: 6-inch square.
 - 5. Pole Length:
 - a. As indicated on drawings.
 - 6. Finish: Black, unless otherwise indicated.
 - 7. Mounting: Install on concrete foundation, height as indicated on the drawings, unless otherwise indicated.
 - 8. Unless otherwise indicated, provide with the following features/accessories:
 - a. Handhole, 16-inch by 17-inch size.
 - b. Anchor bolts with leveling nuts or leveling shims.
 - c. Ground lug accessible from handhole.
 - B. Metal Poles: Provide ground lug, accessible from handhole.

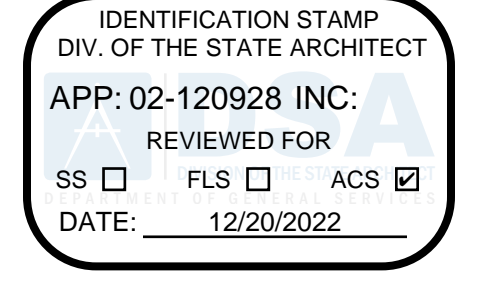
- 2.6. CONTROLS
 - A. Provide a control system interface within each luminaire to provide control by photocell, lighting controller, hand-off, auto switch, and bypass switch or lighting control panel.
 - B. Photocells:
 - 1. Designed to fail in the ON position
 - 2. Provide hermetically sealed light sensor type.
 - 3. Provide time delay to prevent accidental switching from transient light sources.
 - 4. Provide surge protection.
- 2.7. ACCESSORIES
 - A. Stems for Suspended Luminaires: Steel tubing, minimum 1/2" size, factory finished to match luminaire or field-painted as directed.
 - B. Suspension Wire for Suspended Luminaires: Sized to support the maximum load, but not smaller than 12-gauge.
 - C. Sway Bracing: Seismic restraint cables.

- PART 3 - EXECUTION
- 3.1. EXAMINATION
 - A. Verify that field measurements are as indicated.
 - B. Verify that conduit boxes are installed in proper locations and at proper mounting heights and are properly sized to accommodate conductors in accordance with NFPA 70 with California Amendments.
 - C. Verify that suitable support frames are installed where required.
 - D. Verify that branch circuit wiring installation is completed, tested, and ready for connection to luminaires.

- E. Verify that conditions are satisfactory for installation prior to starting work.
- 3.2. EXISTING WORK
 - A. Disconnect and remove abandoned exterior luminaires.
 - B. Extend existing exterior luminaire installations using materials and methods compatible with existing installations, or as specified.
 - C. Clean and repair existing exterior luminaires to remain or to be reinstalled.
- 3.3. INSTALLATION
 - A. Coordinate locations of outlet boxes as required for installation of luminaires provided under this section.
 - B. Install products in accordance with manufacturer's instructions.
 - C. Install luminaires in accordance with NECA/IBNSA 201.
 - D. Provide required support and attachment.
 - E. Install luminaires plumb and square and aligned with building lines and with adjacent luminaires.
 - F. Recessed Luminaires:
 - 1. Install trims tight to mounting surface with no visible light leakage.
 - 2. Luminaires Recessed in Fire-Rated Ceilings: Install using accessories and firestopping materials to meet regulatory requirements for fire rating.
 - G. Wall-Mounted Luminaires: Unless otherwise indicated, specified mounting heights are to center of luminaire.
 - 1. Small Buildings and Trailers: Mount bottom of fixture 8-foot, 0-inches above finished grade.
 - 2. Large Buildings: Mount bottom of fixture 12-foot, 0-inches above finished grade.
 - H. Pole-Mounted Luminaires:
 - 1. Maintain the following minimum clearances:
 - a. Comply with IEEE C2.
 - b. Comply with utility company requirements.
 - 2. Foundation-Mounted Pole:
 - a. Provide cast-in-place concrete foundations for poles unless otherwise indicated.
 - I. Install anchor bolts/plumb per template furnished by pole manufacturer.
 - 1) Install anchor bolts/plumb per template furnished by pole manufacturer.
 - 2) Position conduits to enter pole shaft.
 - 3) Install foundations plumb.
 - 4) Install poles plumb, using leveling nuts as required to adjust to plumb.
 - 5) Tighten anchor bolt nuts to manufacturer's recommended torque.
 - 6) Install non-shrink grout between pole anchor base and concrete foundation, leaving small channel for condensation drainage.
 - 7) Install anchor base covers or anchor bolt covers as indicated.
 - J. Grounding:
 - a. Bond luminaires, metal accessories, metal poles, and foundation reinforcement to branch circuit equipment grounding conductor.
 - b. Provide concrete-encased electrodes with the following characteristics:
 - 1) Minimum 20-foot of unspliced AWG #4 bare copper wire with minimum 2-inches of concrete encasement that is in direct contact with earth.
 - 2) Exothermic welded connection to rebar system.
 - 3) Connect to grounding lug inside pole
 - 4) Install separate service conductors, 12 AWG copper, from each luminaire down to handhole for connection to branch circuit conductors.
 - 5) Provide dedicated handhole for each pole.
- J. Bond products and metal accessories to branch circuit equipment grounding conductor.

- 3.4. FIELD QUALITY CONTROL
 - A. Inspect each product for damage and defects.
 - B. Operate each luminaire after installation and connection. Inspect for improper connections and operation.
 - C. Correct wiring deficiencies and repair or replace damaged or defective products. Repair or replace excessively noisy ballasts.
 - D. Measure illumination levels to verify conformance with performance requirements.
 - E. Take measurements during night sky, without moon or with heavy overcast clouds effectively obscuring moon.
- 3.5. ADJUSTING
 - A. Aim and adjust luminaires to provide illumination levels and distribution as indicated on Drawings.
 - B. Luminaires with Field-Rotatable Optics: Position optics according to manufacturer's instructions to achieve lighting distribution as indicated.
- 3.6. CLEANING
 - A. Clean photometric control surfaces as recommended by manufacturer.
 - B. Clean finishes and touch up damage.
- 3.7. PROTECTION OF FINISHED WORK
 - A. Relamp luminaires having label lamps at Substantial Completion.
 - B. Replace ballast and drivers that have failed at Substantial Completion.

END OF SECTION 26 56 00



EDGE ELECTRICAL CONSULTING
 1801 7th Street Suite 150 Sacramento, CA 95811 916.256.2460
 1151 Harbor Bay Pkwy Suite 123A Alameda, CA 94502 510.634.7200
 Project Number JS42 Contact KARLI



JOHN F. KENNEDY HS PARKING LOT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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ELECTRICAL SPECIFICATIONS

PROJECT NO.
DATE:
SHEET

E-003

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Revised 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)(2) for alterations.

Project Name: John F. Kennedy High School Parking Lot Report Page: Page 1 of 4
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

A. GENERAL INFORMATION

01 Project Location (city) Sacramento 02 Occupancy Types Within Project:
 Office Retail Warehouse Hotel/ Motel School Support Areas
 Parking Garage High-Rise Residential Relocatable Healthcare Facilities Other (Write in): Parking Lot

B. PROJECT SCOPE
 Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05	06
Electrical Service Designation/Description	Scope of Work*	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a)(7)	System subject to CA Elec Code Article 517 Exception to §130.5(a)(8)(b)	Demand Response Controls Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §129.2, §130.1 and §130.2 and compliance documents NRCC-NRCC, NRCC-11 and NRCC-15 will indicate when demand response controls are required.
Branch ckt panels HM, HD, HE	Add/Alt to feeders and branch circuits only		<input type="checkbox"/>	<input type="checkbox"/>	

*FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.
 *Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

C. COMPLIANCE RESULTS
 Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D, for guidance and review the Table that indicates "No".

01	02	03	04	05
Service Electrical Metering §130.5(a)	AND	Separation for Monitoring §130.5(b)	AND	Voltage Drop §130.5(c)
(See Table F)	AND	(See Table G)	AND	Controlled Receptacles §130.5(d)
				(See Table I)
COMPLIES				

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Revised 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

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Project Name: John F. Kennedy High School Parking Lot Report Page: Page 2 of 4
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. SERVICE ELECTRICAL METERING
 This Section Does Not Apply

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
 This Section Does Not Apply

H. VOLTAGE DROP
 Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)(2).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector Pass Fail
Branch ckt panels HM, HD, HE	<input checked="" type="checkbox"/> Voltage drop < 5% <input type="checkbox"/> Permitted by CA Elec Code Exception to §130.5(c)(1)	In construction documents	E-201	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

*NOTES: If "Permitted by CA Elec Code" is selected under Compliance Method above, please indicate where the exception applies in the space provided below.
 *FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Revised 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

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Project Name: John F. Kennedy High School Parking Lot Report Page: Page 3 of 4
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks: These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/nonresidential_documents/NRCC/

YES	NO	Form/Title	Field Inspector
			Pass Fail
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-ELC-01-E - Must be submitted for all buildings.	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no Certificates of Acceptance applicable to electrical power distribution requirements.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Revised 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

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Project Name: John F. Kennedy High School Parking Lot Report Page: Page 4 of 4
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

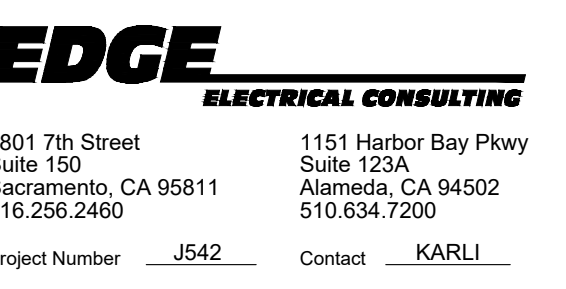
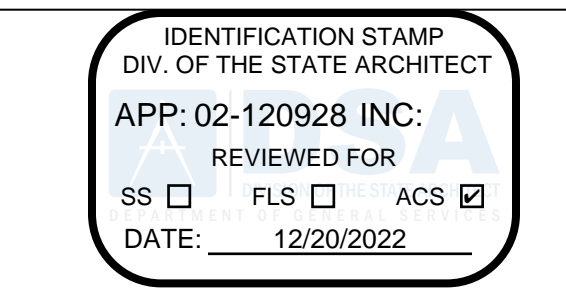
DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Karl Ching Documentation Author Signature: *Karl Ching*
 Company: EDGE Electrical Consulting, Inc. Signature Date: 12/13/2022
 Address: 1801 7th Street, Suite 150 CEA/HERS Certification Identification (if applicable):
 City/State/Zip: Sacramento, CA 95811 Phone: 916-256-2460

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Vip Shing Donny Lee Responsible Designer Signature: *Vip Shing Donny Lee*
 Company: EDGE Electrical Consulting, Inc. Date Signed: 12/13/2022
 Address: 1801 7th Street, Suite 150 License: E 17376
 City/State/Zip: Sacramento, CA 95811 Phone: 916-256-2460

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020



JOHN F. KENNEDY HS PARKING LOT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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TITLE 24 COMPLIANCE

PROJECT NO.
DATE:
SHEET

E-004

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Revised 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 (This document is used to demonstrate compliance with requirements in §110.3, §130.0, §130.2, §140.2, and §141.0(b)(1), for outdoor lighting scopes using the prescriptive path.)

Project Name: John F. Kennedy High School Parking Lot Report Page: Page 1 of 6
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

A. GENERAL INFORMATION

01 Project Location (city) Sacramento 04 Total Illuminated Hardscape Area (ft²) 289,453
 02 Canopy Zone 12
 03 Outdoor Lighting Zone per Title 24, Part 1 §10.1-11 or as designated by Authority Having Jurisdiction (AHJ):
 L2-0: Very Low - Undeveloped Parkland L2-2: Moderate - Rural Areas L2-4: High - Must be reviewed by CA Energy Commission for Approval
 L2-1: Low - Developed Parkland L2-3: Moderately High - Urban Areas

B. PROJECT SCOPE
 Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.2 or §141.0(b)(1), for alterations.
 My project consists of:
 New Lighting System Must Comply with Allowances from §140.2
 Altered Lighting System Is your alteration increasing the connected lighting load (Watts)? Yes No
 03 % of Existing Luminaires Being Altered 04 Sum Total of Luminaires Being Added or Altered 05 Calculation Method
 % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100
 8,458.325 = 2,961

C. COMPLIANCE RESULTS
 Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.
 Calculation of Total Allowed Lighting Power (Watts) §140.2 or §141.0(b)(1)
 01 02 03 04 05 06 07 08 09
 General Hardscape Allowance §140.7(d)(1) (See Table I) + Per Application §140.7(d)(2) (See Table J) + Sales Frontage §140.7(d)(2) (See Table K) + Ornamental §140.7(d)(2) (See Table L) + Per Specific Area OR Existing Power §141.0(b)(1) (See Table M) = Total Allowed (Watts) ± Total Actual (Watts) 07 Must be ≥ 08
 8,458.325 + + + + = 8,458.325 ± 2,961 COMPLIES
 Controls Compliance (See Table H for Details) COMPLIES

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Revised 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 (This document is used to demonstrate compliance with requirements in §110.3, §130.0, §130.2, §140.2, and §141.0(b)(1), for outdoor lighting scopes using the prescriptive path.)

Project Name: John F. Kennedy High School Parking Lot Report Page: Page 4 of 6
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

01 02 03 04 05
 Area Description Shut-Off §130.2(c)(1) Auto-Schedule §130.2(c)(2) Motion Sensor §130.2(c)(3) Field Inspector
 West Parking Lot Astronomical Timer Yes Yes
 East Parking Lot Astronomical Timer Yes Yes

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
 SK: Not permitted by health & safety to be turned off. EXCEPT I or §110.2(d).

I. LIGHTING POWER ALLOWANCE (per §140.2)
 Table Instructions: Please complete this table for areas using the allowance calculations per §140.2. General Hardscape Allowance is per Table 140.2.6 while "Use it or lose it" Allowances are per Table 140.2.7. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.
 Calculated General Hardscape Lighting Power Allowance per Table 140.2.6 (L2 & 3)

02 Area Description	03 Surface Type	04 Illuminated Area (ft ²)	05 Area Allowance (W/ft ²)		06 Perimeter Length (ft)	07 Linear Allowance (Watts)		09 Total General AWA + LWA (Watts)
			Allowed Density (W/ft ²)	Area Allowance (Watts)		Perimeter Length (ft)	Linear Allowance (Watts)	
West Parking Lot	Asphalt	226,295	0.025	5,657.375	1,861	0.25	465.25	6,122.625
East Parking Lot	Asphalt	63,158	0.025	1,578.95	1,627	0.25	406.75	1,985.7
Initial Wattage Allowance for Entire Site (Watts):								350
Total General Hardscape Allowance (Watts):								8,458.325

J. LIGHTING ALLOWANCE: PER APPLICATION
 This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Revised 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 (This document is used to demonstrate compliance with requirements in §110.3, §130.0, §130.2, §140.2, and §141.0(b)(1), for outdoor lighting scopes using the prescriptive path.)

Project Name: John F. Kennedy High School Parking Lot Report Page: Page 2 of 6
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS
 This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE
 Table Instructions: For new or altered lighting systems demonstrating compliance with §140.2 (in Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)(1) (in Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (i.e. do not include existing luminaires remaining or existing luminaires being moved).
 Designated Wattage:
 01 02 03 04 05 06 07 08 09 10
 Name or Item Tag Complete Luminaire Description Watts per luminaire¹ How Wattage is determined Total number of luminaires² Luminaire Status³ Excluded per §140.7(d) Design Watts Cutoff Req. ≥ 6,200 Initial Lumen output §130.2(b)⁴ Field Inspector
 A1 Pole Light Linear 51 Mfr. Spec⁵ 11 New 561 NA < 6,200 Lumen
 A2 Pole Light Linear 75 Mfr. Spec⁵ 29 New 2,175 Yes
 A4 Pole Light Linear 75 Mfr. Spec⁵ 3 New 225 Yes
 Total Designated Watts: 2,961

*NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
 0X Luminaire is lighting a statue, EXCEPT I or §130.2(b).
 * For linear luminaires, wattage should be indicated as W/ft instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.
 * Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing to be Replaced" for existing luminaires which are being removed and reinstalled as part of the project scope.
 * Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Revised 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 (This document is used to demonstrate compliance with requirements in §110.3, §130.0, §130.2, §140.2, and §141.0(b)(1), for outdoor lighting scopes using the prescriptive path.)

Project Name: John F. Kennedy High School Parking Lot Report Page: Page 5 of 6
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

K. LIGHTING ALLOWANCE: SALES FRONTAGE
 This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL
 This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA
 This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)
 This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E - Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019-compliance_documents/nonresidential_documents/NRCC/.

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LTO-01-E - Must be submitted for all buildings.	<input type="checkbox"/> <input type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCC-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	<input type="checkbox"/> <input type="checkbox"/>

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E - Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/2019standards/attcp.html>

YES	NO	Form/Title	Field Inspector
<input checked="" type="checkbox"/>	<input type="checkbox"/>	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	<input type="checkbox"/> <input type="checkbox"/>

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Revised 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 (This document is used to demonstrate compliance with requirements in §110.3, §130.0, §130.2, §140.2, and §141.0(b)(1), for outdoor lighting scopes using the prescriptive path.)

Project Name: John F. Kennedy High School Parking Lot Report Page: Page 3 of 6
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

G. CUTOFF REQUIREMENTS (BUG)
 Table Instructions: Complete this table for fixtures of ≥ 6,200 initial luminaire lumens indicated on Table F as needing to comply with Cutoff Requirements. Maximum lumens can be found in Table 24, Part 11, Section 5.106.8.

D1	D2	D3 Backlight Rating ²			D4 Uplight Rating ²			D5 Glare Rating ²			Field Inspector
		Mounting Height from Property Line ¹	Max Allowable Backlight Rating ³	Backlight Per Design	Lighting Type	Max Allowable Backlight Rating ³	Uplight Per Design	Mounting Height from Property Line ¹	Max Allowable Glare Rating ³	Glare Per Design	
A2	Pole Light	> 2 MH from property line	No Limit	B3	Area Lighting	U0	U0	> 2 MH from property line	G3	G3	<input type="checkbox"/> <input type="checkbox"/>
A4	Pole Light	> 2 MH from property line	No Limit	B3	Area Lighting	U0	U0	> 2 MH from property line	G3	G2	<input type="checkbox"/> <input type="checkbox"/>

*FOOTNOTES: Mounting Height is labeled MH in this table.
¹ Authority having jurisdiction may ask for luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per §130.2(b).
² BUG ratings with a lower number than the "Max Allowable" are compliant. Ex. If Max Allowable is Bug Rating is B4, then B0, B1, B2, B3 and B4 are all compliant.
³ Authority having jurisdiction may ask for luminaire cut sheets or other documentation to confirm luminaire type, uplight ratings and glare ratings used for compliance per §130.2(b).
⁴ BUG ratings with a lower number than the "Max Allowable" are compliant. Ex. If Max Allowable is Bug Rating is B4, then B0, B1, B2, B3 and B4 are all compliant.

H. OUTDOOR LIGHTING CONTROLS
 Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie unaltered) and luminaires which are removed and reinstalled (twisting only) do not need to be included in this table even if they are within the spaces covered by the permit application.
 When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.

Mandatory Controls		02	03	04	05
Area Description	Shut-Off §130.2(c)(1)	Auto-Schedule §130.2(c)(2)	Motion Sensor §130.2(c)(3)	Field Inspector	Pass/Fail
West Parking Lot	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
East Parking Lot	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019

STATE OF CALIFORNIA
Outdoor Lighting
 NRCC-LTO-E (Revised 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
 (This document is used to demonstrate compliance with requirements in §110.3, §130.0, §130.2, §140.2, and §141.0(b)(1), for outdoor lighting scopes using the prescriptive path.)

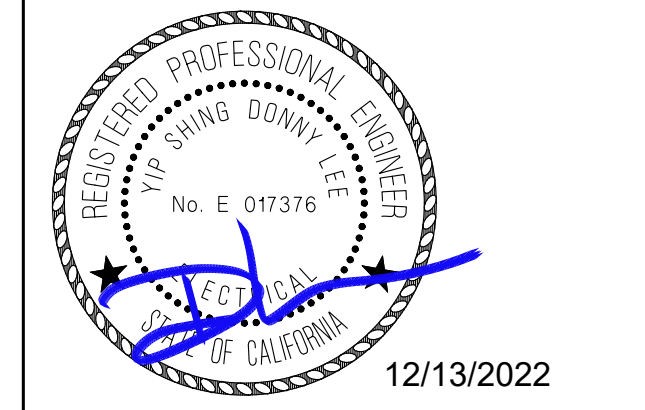
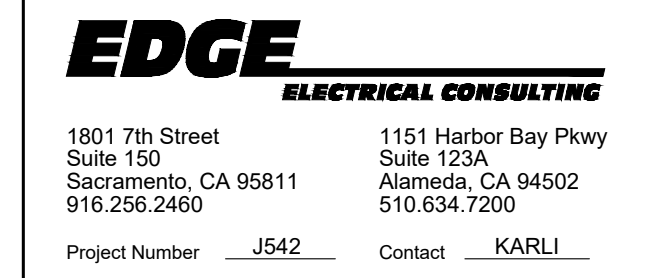
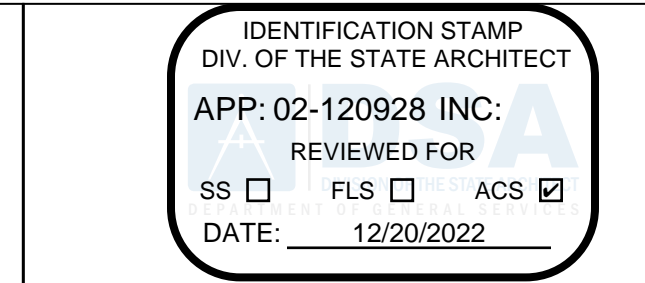
Project Name: John F. Kennedy High School Parking Lot Report Page: Page 6 of 6
 Project Address: 6715 Gloria Drive, Sacramento, CA 95831 Date Prepared: 12/7/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete
 Documentation Author Name: Karl Ching Documentation Author Signature: *Karl Ching*
 Company: EDGE Electrical Consulting, Inc. Signature Date: 12/13/2022
 Address: 1801 7th Street, Suite 150 CEA/HERS Certification Identification (if applicable):
 City/State/Zip: Sacramento, CA 95811 Phone: 916-256-2460

RESPONSIBLE PERSON'S DECLARATION STATEMENT
 I certify the following under penalty of perjury, under the laws of the State of California:
 1. The information provided on this Certificate of Compliance is true and correct.
 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer).
 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Vip Shing Donny Lee Responsible Designer Signature: *Vip Shing Donny Lee*
 Company: EDGE Electrical Consulting, Inc. Date Signed: 12/13/2022
 Address: 1801 7th Street, Suite 150 License: E 17376
 City/State/Zip: Sacramento, CA 95811 Phone: 916-256-2460

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> November 2019



JOHN F. KENNEDY HS PARKING LOT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

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TITLE 24 COMPLIANCE

PROJECT NO.
 DATE:
 SHEET

E-005

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-120928 INC.
 REVIEWED FOR:
 SS FLS ACS
 DATE: 12/20/2022

EDGE
 ELECTRICAL CONSULTING
 1801 7th Street Suite 150 Sacramento, CA 95811 916.256.2460
 1151 Harbor Bay Pkwy Suite 123A Alameda, CA 94502 510.634.7200
 Project Number: JS42 Contact: KARLI

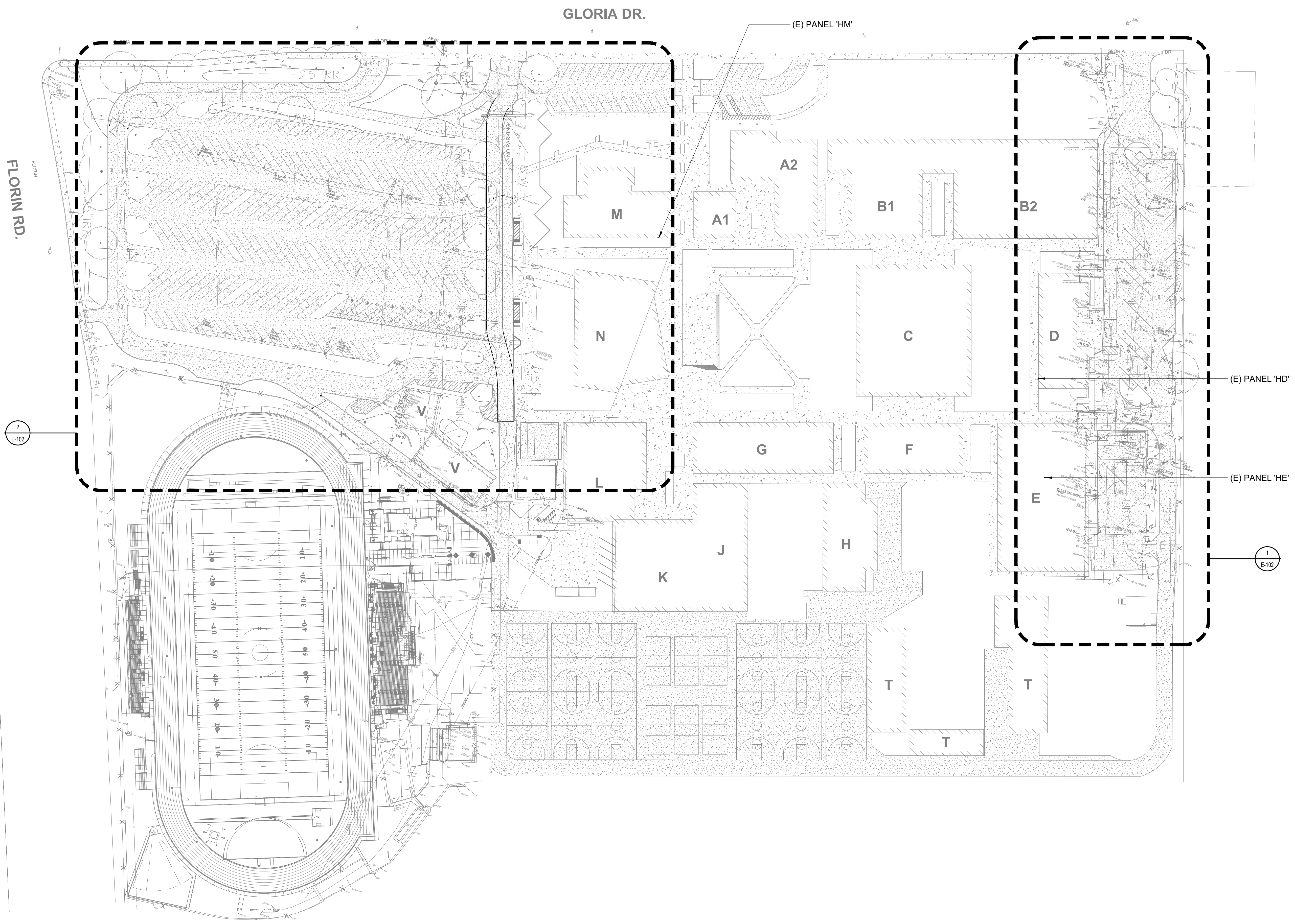


JOHN F. KENNEDY HS PARKING LOT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

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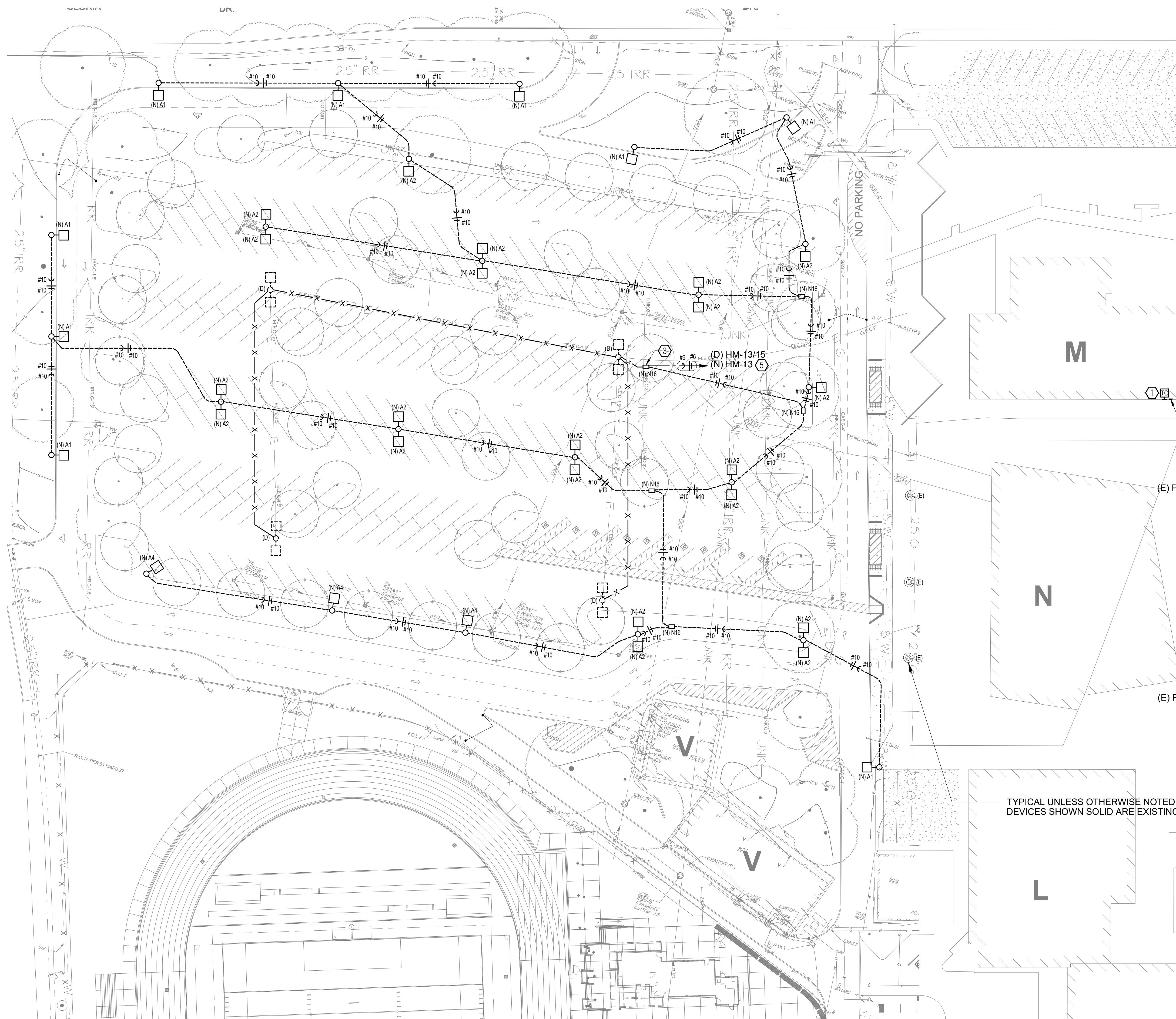
OVERALL SITE PLAN - ELECTRICAL

PROJECT NO.
 DATE:
 SHEET
E-101

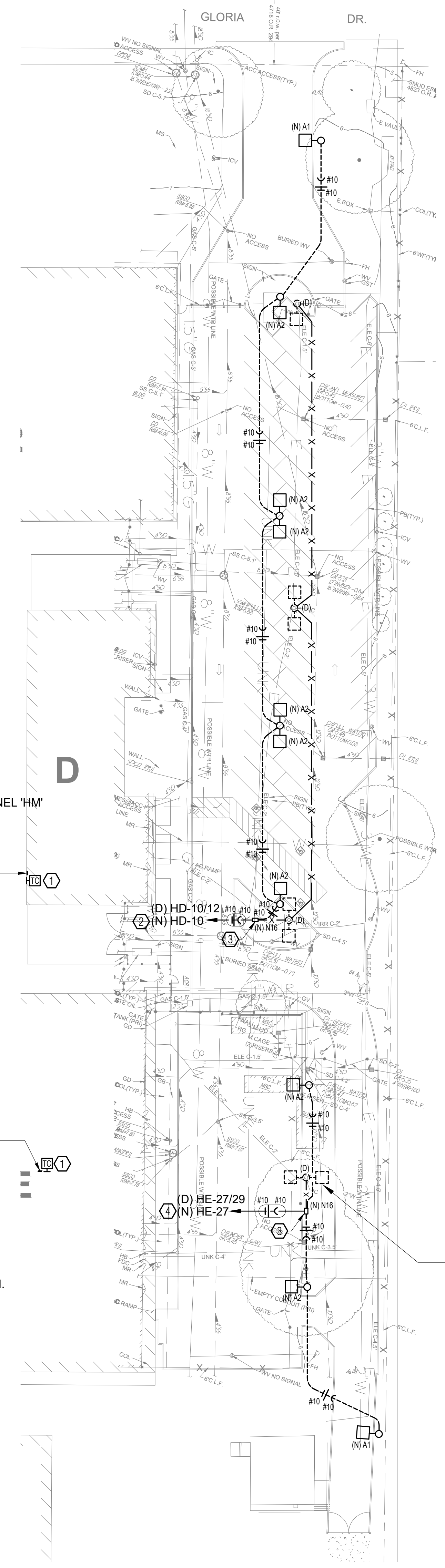


1 OVERALL SITE PLAN - ELECTRICAL
 SCALE: 1" = 60'-0"





2 PARTIAL SITE PLAN - WEST PARKING LOT - ELECTRICAL
SCALE: 1/32" = 1'-0"



1 PARTIAL SITE PLAN - EAST PARKING LOT - ELECTRICAL
SCALE: 1/32" = 1'-0"

SHEET NOTES

- SEE OVERALL SITE PLAN FOR (E) PANEL LOCATION(S).
- PROVIDE TRAFFIC RATED (H/20 LOAD) COVER AND BOXES FOR ALL PULL BOXES UNLESS SPECIFICALLY NOTED OTHERWISE.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC. AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. WHETHER OR NOT SHOWN AND INSTALLED BY AN OTHER CONTRACTOR, CONTRACTOR SHALL PERFORM AN UNDERGROUND SURVEY PRIOR TO EXCAVATION. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
- EXISTING UNDERGROUND UTILITIES ARE PRESENT, BUT THEIR EXACT LOCATION ARE NOT KNOWN. CONTRACTOR SHALL LOCATE AND PROTECT BEFORE TRENCHING OR EXCAVATING IN ANY AREA. CONSULT UTILITY COMPANIES, "AS-BUILT" DRAWINGS, AND SCHOOL MAINTENANCE PERSONNEL FOR LOCATION OF EXISTING UNDERGROUND WORK. IF EXISTING PIPING OR UTILITIES ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR IMMEDIATELY AT OWN EXPENSE. NEW UNDERGROUND SHALL BE MODIFIED AS NECESSARY TO CONFORM TO EXISTING CONDITIONS.
- INFORMATION GIVEN, CONCERNING EXISTING ELECTRICAL INSTALLATION IS AS EXACT AS COULD BE SECURED, BUT EXTREME ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDS TO CONFIRM CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED

NUMBERED NOTES

- DEMOLISH (E) TIME CLOCK AND CONTACTOR. REPLACE WITH (N) TIME CLOCK FOR LED LIGHTS. FEED (N) LIGHTS THROUGH (N) TIME CLOCK. RECONNECT (E) 120-VOLT CIRCUIT FROM DEMOLISHED TIME CLOCK FOR INPUT TO CIRCUIT TO (N) TIME CLOCK.
- REMOVE (E) 20-AMP, 2-POLE CIRCUIT BREAKER AT POLES 10/12. PROVIDE (N) 20-AMP, 1-POLE CIRCUIT BREAKER IN THE PLACE OF POLE 10. MATCH EXISTING SHORT CIRCUIT RATING. PROVIDE BLANK COVER ON SPACE 12 AFTER THE REMOVAL OF THE 2-POLE CIRCUIT BREAKER.
- INTERCEPT AND EXTEND (E) CIRCUIT TO (N) DEVICE AS INDICATED. PROVIDE (N) N16 PULL BOX.
- REMOVE (E) 20-AMP, 2-POLE CIRCUIT BREAKER AT POLES 27/29. PROVIDE (N) 20-AMP, 1-POLE CIRCUIT BREAKER IN THE PLACE OF POLE 27. MATCH EXISTING SHORT CIRCUIT RATING. PROVIDE BLANK COVER ON SPACE 29 AFTER THE REMOVAL OF THE 2-POLE CIRCUIT BREAKER.
- REMOVE (E) 50-AMP, 2-POLE CIRCUIT BREAKER AT POLES 13/15. PROVIDE (N) 20-AMP, 1-POLE CIRCUIT BREAKER IN THE PLACE OF POLE 13. MATCH EXISTING SHORT CIRCUIT RATING. PROVIDE BLANK COVER ON SPACE 15 AFTER THE REMOVAL OF THE 2-POLE CIRCUIT BREAKER.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120928 INC.
REVIEWED FOR:
SS FLS ACS
DATE: 12/20/2022

EDGE
ELECTRICAL CONSULTING
1801 7th Street
Suite 150
Sacramento, CA 95811
916.256.2460
Project Number: J542
Contact: KARLI
1151 Harbor Bay Pkwy
Suite 123A
Alameda, CA 94502
510.634.7200
Contact: KARLI

REGISTERED PROFESSIONAL ENGINEER
ELECTRICAL
No. E 013376
12/13/2022

JOHN F. KENNEDY HS PARKING LOT

SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

PARTIAL SITE PLAN - ELECTRICAL

PROJECT NO.
DATE:
SHEET
E-102



Know what's below.
Call before you dig.

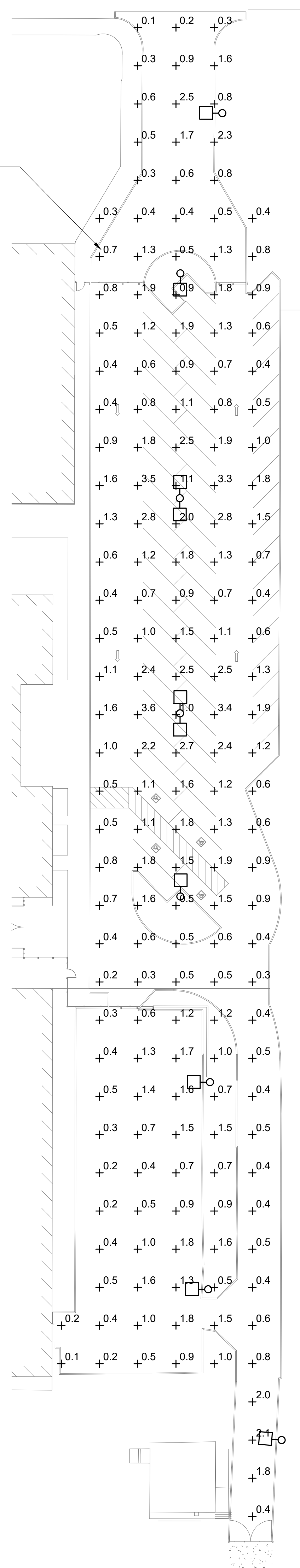
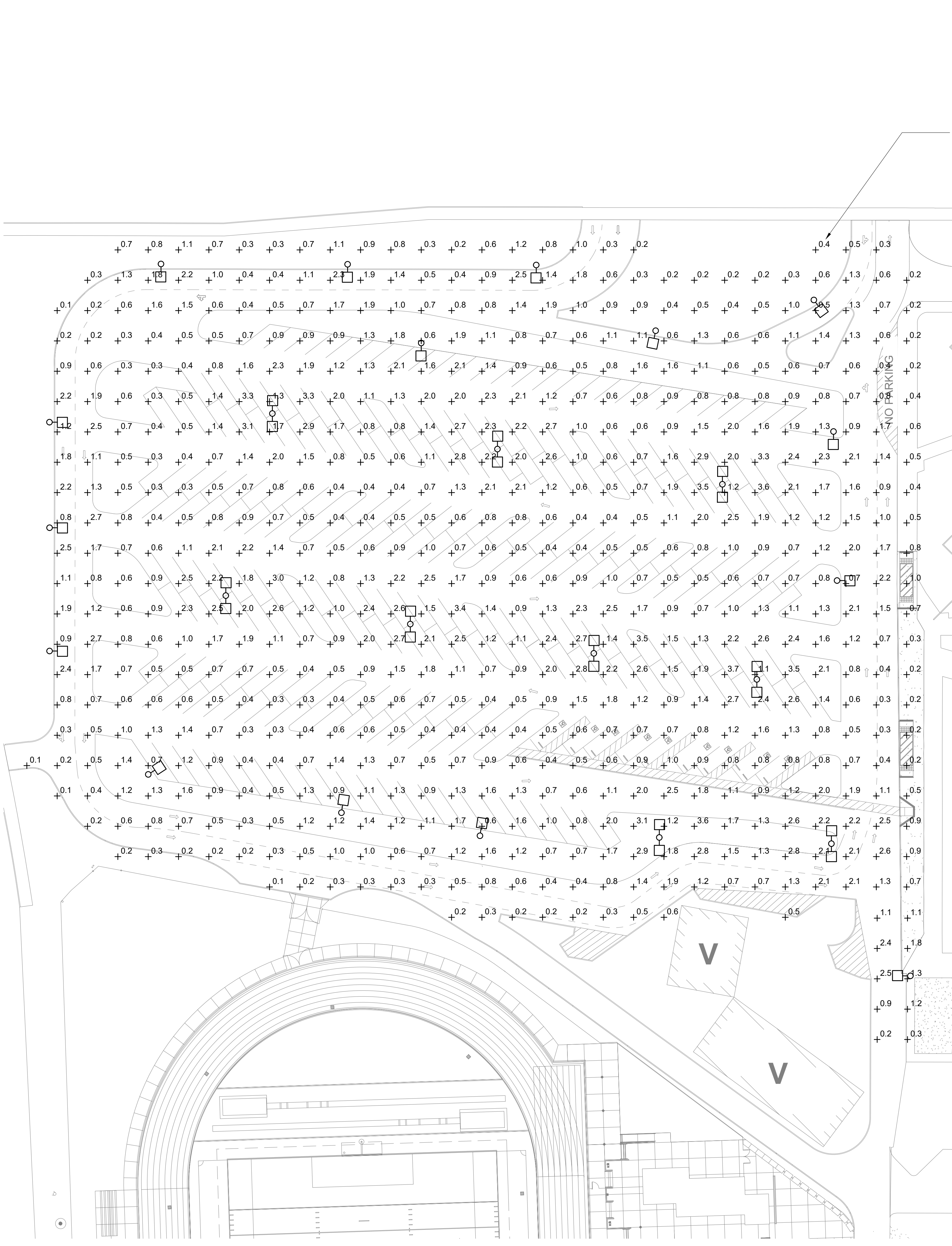
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JOHN F. KENNEDY HS PARKING LOT
 SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
 SACRAMENTO, CA

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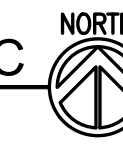
PARTIAL SITE PLAN - PHOTOMETRIC



2 PARTIAL SITE PLAN - WEST PARKING LOT - PHOTOMETRIC
 SCALE: 1/32" = 1'-0"



1 PARTIAL SITE PLAN - EAST PARKING LOT - PHOTOMETRIC
 SCALE: 1/32" = 1'-0"



(E) PANEL 'HD'		SECTION: 1 OF 1		BUS RATING: 400 AMP		THREE PHASE		VOLTAGE							
LOCATION: BLDG D		SERVING: NORMAL		X MAIN BREAKER: 300 AMP		4-WIRE		480Y/277							
PANEL A.I.C. EXISTING		MOUNTING: X SURFACE		C. B.		C. B.		KVA LOAD							
LOAD DESCRIPTION		KVA LOAD		C. B.		C. B.		KVA LOAD							
CONT.	RECP.	MOTOR	NON	AMP	POLE	PKT #	PH	PKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
				20	1	1	A	2	1	20					LIGHTING
				20	1	3	B	4	1	20					LIGHTING
				20	1	5	C	6	1	20					LIGHTING
				20	2	7	A	8	1	20					LIGHTING
				-	-	9	B	10	1	20					SPARE
				-	-	11	C	12	-	-					SPARE
				40	3	13	A	14	-	-					LIGHTING SECTION SUB-FEED
				-	-	15	B	16	-	-					SPACE ONLY
				-	-	17	C	18	3	125					DMS-23
				125	3	19	A	20	-	-					SPACE ONLY
				-	-	21	B	22	-	-					SPACE ONLY
				-	-	23	C	24	-	-					SPACE ONLY
				150	3	25	A	26	3	300					MAIN BREAKER
				-	-	27	B	28	-	-					SPACE ONLY
				-	-	29	C	30	-	-					SPACE ONLY
				-	-	31	A	32	-	-					SPACE ONLY
				-	-	33	B	34	-	-					SPACE ONLY
				-	-	35	C	36	-	-					SPACE ONLY
				-	-	37	A	38	-	-					SPACE ONLY
				-	-	39	B	40	-	-					SPACE ONLY
				-	-	41	C	42	-	-					SPACE ONLY
TOTALS		0.00	0.00	0.00	0.00						0.00	0.00	0.00	0.00	TOTALS

NET LOAD REDUCTION

(E) PANEL 'HE'		SECTION: 1 OF 1		BUS RATING: 100 AMP		THREE PHASE		VOLTAGE							
LOCATION: BLDG E		SERVING: NORMAL		X MAIN BREAKER: 300 AMP		4-WIRE		480Y/277							
PANEL A.I.C. EXISTING		MOUNTING: X SURFACE		C. B.		C. B.		KVA LOAD							
LOAD DESCRIPTION		KVA LOAD		C. B.		C. B.		KVA LOAD							
CONT.	RECP.	MOTOR	NON	AMP	POLE	PKT #	PH	PKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
				20	1	1	A	2	1	20					LIGHTING
				20	1	3	B	4	1	20					LIGHTING
				20	1	5	C	6	1	20					LIGHTING
				20	1	7	A	8	1	20					LIGHTING
				20	1	9	B	10	1	20					LIGHTING
				20	1	11	C	12	1	20					LIGHTING
				20	1	13	A	14	1	20					LIGHTING
				20	1	15	B	16	1	20					LIGHTING
				20	1	17	C	18	1	20					LIGHTING
				20	1	19	A	20	1	20					SPARE
				20	1	21	B	22	1	20					SPARE
				20	1	23	C	24	1	20					SPARE
				20	1	25	A	26	1	20					SPARE
				20	1	27	B	28	2	20					SPARE
				-	-	29	C	30	-	-					SPACE ONLY
				-	-	31	A	32	-	-					SPACE ONLY
				-	-	33	B	34	-	-					SPACE ONLY
				-	-	35	C	36	-	-					SPACE ONLY
				-	-	37	A	38	-	-					SPACE ONLY
				-	-	39	B	40	-	-					SPACE ONLY
				-	-	41	C	42	-	-					SPACE ONLY
TOTALS		0.00	0.00	0.00	0.00						0.00	0.00	0.00	0.00	TOTALS

NET LOAD REDUCTION

BRANCH CIRCUIT LOAD SUMMARY						
NOTE: ALL LOADS SHOWN ARE EXPRESSED IN KVA. ALL CIRCUIT BREAKERS SERVING BRANCH CIRCUITS SHOWN ARE 20 AMP, 1 POLE.						
PANEL VOLTAGE BRANCH	CIRCUIT #	EXISTING LOAD	REMOVED LOAD	ADDED LOAD	NEW LOAD	NEW LOAD (AMPS)
PANEL HD 277/480V NORMAL BRANCH	10	0.8	0.8	0.426	0.426	±
	12	0.8	0.8	0	0	*
PANEL HE 277/480V NORMAL BRANCH	27	0.2	0.2	0.201	0.201	±
	29	0.2	0.2	0	0	*
PANEL HM 277/480V NORMAL BRANCH	13	8	8	2.184	2.184	±
	15	8	8	0	0	*

* INDICATES ENTIRE LOAD REMOVED
± INDICATES NEW LOAD LESS THAN OR EQUAL THAN EXISTING LOAD
- INDICATES NO LOAD IN THE CIRCUIT

(E) PANEL 'HM'		SECTION: 1 OF 1		BUS RATING: 400 AMP		THREE PHASE		VOLTAGE							
LOCATION: BLDG M		SERVING: NORMAL		X MAIN BREAKER: 300 AMP		4-WIRE		480Y/277							
PANEL A.I.C. EXISTING		MOUNTING: X SURFACE		C. B.		C. B.		KVA LOAD							
LOAD DESCRIPTION		KVA LOAD		C. B.		C. B.		KVA LOAD							
CONT.	RECP.	MOTOR	NON	AMP	POLE	PKT #	PH	PKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION
				20	1	1	A	2	1	20					LIGHTING
				20	1	3	B	4	1	20					LIGHTING
				20	1	5	C	6	1	20					LIGHTING
				20	1	7	A	8	1	20					SPARE
				20	1	9	B	10	1	20					SPARE
				20	1	11	C	12	1	20					SPARE
				20	1	13	A	14	2	20					PARKING LOT LIGHTS
				-	-	15	B	16	-	-					SPACE ONLY
				20	2	17	C	18	-	-					SPACE ONLY
				-	-	19	A	20	-	-					SPACE ONLY
				-	-	21	B	22	3	70					25 HP PUMP
				40	3	23	C	24	-	-					SPACE ONLY
				-	-	25	A	26	-	-					SPACE ONLY
				-	-	27	B	28	3	50					DMS-47
				40	3	29	C	30	-	-					SPACE ONLY
				-	-	31	A	32	-	-					SPACE ONLY
				-	-	33	B	34	-	-					SPACE ONLY
				125	3	35	C	36	3	300					MAIN BREAKER
				-	-	37	A	38	-	-					SPACE ONLY
				-	-	39	B	40	-	-					SPACE ONLY
				-	-	41	C	42	-	-					SPACE ONLY
TOTALS		0.00	0.00	0.00	0.00						0.00	0.00	0.00	0.00	TOTALS

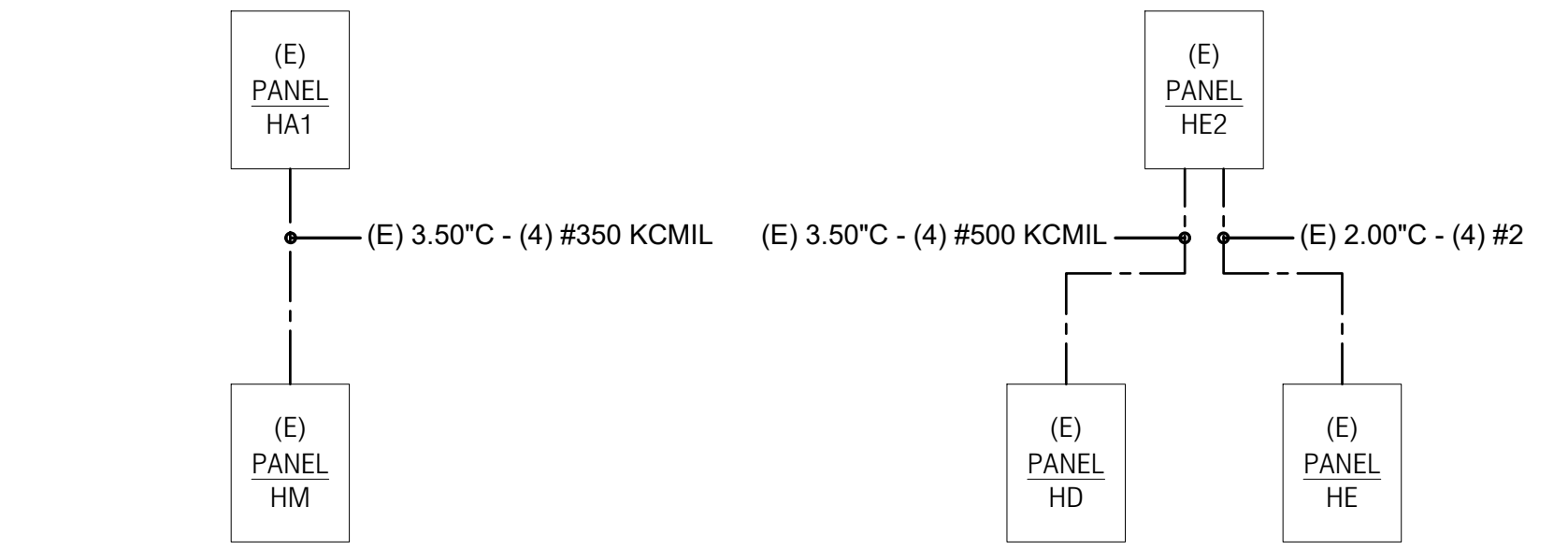
NET LOAD REDUCTION

PANEL NUMBERED NOTES

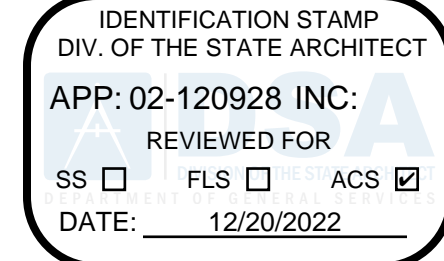
- 1 REMOVE (E) 2-POLE CIRCUIT BREAKER. PROVIDE (N) 20-AMP 1-POLE CIRCUIT BREAKER IN ITS PLACE. MATCH EXISTING SHORT CIRCUIT RATING. PROVIDE BLANK COVER ON SPACE AFTER REMOVAL OF THE 2-POLE CIRCUIT BREAKER.

PANEL SCHEDULE NOTES

- 1. ALL CIRCUITS INDICATED "LIGHT" ON PANEL SCHEDULES ARE EXISTING TO REMAIN AND HAVE NOT BEEN MODIFIED AS PART OF THIS PROJECT.
- 2. ALL CIRCUITS INDICATED "BOLD" ON PANEL SCHEDULES HAVE BEEN MODIFIED, ALTERED, OR ADDED AS PART OF THIS PROJECT.
- 3. PROVIDE UPDATED TYPEWRITTEN PANEL INDEX. PANEL INDEX SHALL INCLUDE DATE APPLIED AND ALSO WHERE THE PANEL IS FED FROM.
- 4. PROVIDE BLANK COVER PLATES OVER ANY EXPOSED CIRCUIT BREAKER SPACE THAT IS EXPOSED.
- 5. UPON OPENING EXISTING PANELS, TURN ANY CIRCUIT BREAKERS WITH NO CONDUCTORS OR NOT CONNECTED TO A LOAD INTO THE "OFF" POSITION AND UPDATE PANEL SCHEDULE.



1 PARTIAL ONE-LINE DIAGRAM
NO SCALE



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12/13/2022

JOHN F. KENNEDY HS PARKING LOT
SACRAMENTO CITY UNIFIED SCHOOL DISTRICT
SACRAMENTO, CA

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ONE-LINE DIAGRAM & PANEL SCHEDULES

PROJECT NO.
DATE:
SHEET