IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120007 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/23/19

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

OXNARD UNION HIGH SCHOOL DISTRICT

DSA SUBMITTAL

09/23/19

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

OXNARD UNION HIGH SCHOOL DISTRICT

APPLICABLE STATE CODES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH:

   2016 CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

   2016 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
   (2015 INTERNATIONAL BUILDING CODE VOLUMES 1 & 2 AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
   (2014 NATIONAL ELECTRICAL CODE AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
   (2015 UNIFORM MECHANICAL CODE AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
   (2015 UNIFORM PLUMBING CODE AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.

   2016 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
   (2015 INTERNATIONAL FIRE CODE AND 2013 CALIFORNIA AMENDMENTS)

   2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), Part 11, Title 24 C.C.R.

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

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

2. ALL WORK AND MATERIALS SHALL BE IN FULL ACCORDANCE WITH THE REQUIREMENTS OF THESE CODES AND ALL APPLICABLE LOCAL ORDINANCES. WHERE CONTRACT DOCUMENTS EXCEED SUCH REQUIREMENTS, WITHOUT VIOLATING SUCH CODES, REGULATIONS AND ORDINANCES, CONTRACT DOCUMENTS TAKE PRECEDENCE. WHERE CODES CONFLICT, THE MORE STRINGENT SHALL APPLY.
3. THE PROVISIONS OF 2016 CFC CHAPTER 11 AND 2016 CBC CHAPTER 33 SHALL BE ENFORCED ON THIS PROJECT.
4. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
5. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

DEFERRED APPROVAL ITEMS

INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER WHO HAS BEEN DELEGATED THE RESPONSIBILITY OF COVERING THE WORK SHOWN ON A PARTICULAR PLAN OR SPECIFICATION, AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT. DEFERRED ITEMS SHALL BE COMPLETED PRIOR TO OCCUPANCY OF BUILDINGS AFFECTED BY THE DEFERRED WORK.

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, C.C.R.

ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

DEFERRED APPROVAL ITEMS ARE AS FOLLOWS:

- NONE

THE PLANS AND SPECIFICATIONS SHALL BE STAMPED AND SIGNED BY THE ARCHITECT AND ENGINEER OF RECORD BEFORE SUBMITTAL TO DSA.

SCOPE OF WORK

INCREMENT 1:

WORK UNDER THIS CONTRACT INCLUDES THE FOLLOWING ITEMS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THE PROJECT MANUAL, INCLUDING:

1. DEMOLITION OF CERTAIN EXISTING FIELD COMPONENTS;
2. INSTALLATION OF NEW SYNTHETIC TURF FIELD;
3. INSTALLATION OF NEW HIGH JUMP FACILITY;
4. INSTALLATION OF TWO (2) NEW LONG JUMP RUNWAYS;
5. INSTALLATION OF NEW POLE VAULT; AND
6. INSTALLATION OF NEW FIELD SCOREBOARD PER PC #04-116017;
7. MINOR UPGRADE OF EXISTING RESTROOMS IN BUILDING S; AND
8. UPGRADE OF EXISTING ADA PARKING STALLS AT PARKING LOT 3.

INCREMENT 2:

WORK UNDER THIS CONTRACT SHALL INCLUDE THE FOLLOWING ITEMS:

1. CONSTRUCTION OF NEW GATEWAY STRUCTURE WITH TICKET BOOTH (@ 70 SF);
2. MODERNIZATION OF TEAM ROOMS & SNACK BAR AT EXISTING BUILDING S;
3. CONSTRUCTION OF NEW LANDSCAPED PEDESTRIAN PLAZA;
4. CONSTRUCTION OF NEW CONCRETE WALKWAY AROUND EXISTING TRACK OVAL;
5. INSTALLATION OF NEW DISCUS FACILITY;
6. INSTALLATION OF NEW SHOT-PUT FACILITY;
7. CONSTRUCTION OF NEW SOFTBALL FIELD WITH FENCE ENCLOSURE;
8. CONSTRUCTION OF NEW PRACTICE BASEBALL FIELD;
9. CONSTRUCTION OF NEW FENCE ENCLOSURE AT EXISTING BASEBALL FIELD;
10. CONSTRUCTION OF SIX (6) BASKETBALL COURTS; AND
11. REPAIR OF EXISTING BASEBALL FIELD DRAINAGE AND UPGRADE OF EXISTING UNDERGROUND UTILITY LINES AS NEEDED.

PROJECT INSPECTOR

A DIVISION OF THE STATE ARCHITECT (DSA) CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK.

THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, TITLE 24, PART 1 CCR AND IR A-7: CLASS 3 INSPECTOR CERTIFIED BY DSA.

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

PROJECT DIRECTORY

PROJECT

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1
500 W BARD RD.
OXNARD, CA. 93033

OWNER

OXNARD UNION HIGH SCHOOL DISTRICT
309 S. "K" STREET
OXNARD, CA 93030
(805) 385-2500

ARCHITECT

LITTLE
1300 DOVE STREET, SUITE 100
NEWPORT BEACH, CA. 92660
(949) 698-1400

CIVIL

LITTLE
1300 DOVE STREET, SUITE 100
NEWPORT BEACH, CA. 92660
(949) 698-1400

LANDSCAPE

LITTLE
1300 DOVE STREET, SUITE 100
NEWPORT BEACH, CA. 92660
(949) 698-1400

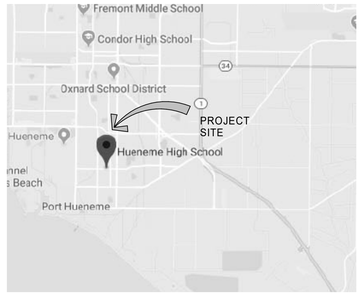
ELECTRICAL

ENGINEOUS GROUP INC.
751 N. FAIR OAKS, #201
PASADENA, CA. 91103
(626) 714-7506

GENERAL NOTES

1. DURING THE ENTIRE CONSTRUCTION PERIOD, IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN CONDITIONS AT THE PROJECT SITE, TO MEET THE REQUIREMENTS OF THE FEDERAL OCCUPATIONAL SAFETY AND DIVISION OF THE STATE ARCHITECT (DSA) AND CALIFORNIA OCCUPATIONAL REGULATIONS . THIS PROVISION SHALL COVER THE CONTRACTOR'S EMPLOYEES AND ALL OTHER PERSONS WORKING UPON OR VISITING THE SITE. THE CONTRACTOR SHALL BECOME FULLY INFORMED OF ALL APPLICABLE STANDARDS AND REGULATIONS AND INFORM ALL PERSONS AND REPRESENTATIVES RESPONSIBLE FOR WORK UNDER THIS CONTRACT.
2. CONTRACTOR TO VERIFY ALL EXISTING ELEMENTS, WHETHER THEY ARE TO REMAIN, BE REMOVED, OR RELOCATED, ARE IN THE LOCATION AND IN THE CONDITION THAT THESE CONSTRUCTION DOCUMENTS AND ALL REFERENCED DRAWINGS REPRESENT.CONFIRM ALL EXISTING CONDITIONS WITH THE CONTRACT DOCUMENTS. NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ALL DISCREPANCIES OR CONFLICTS. DO NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION IS GIVEN BY ARCHITECT. IF CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTORS RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CHANGE ORDER APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338.
3. REVIEW THE ARCHITECTURAL DRAWINGS BEFORE THE INSTALLATION OF SYSTEMS SHOWN ON CONSULTING ENGINEERS DOCUMENTS. DISCREPANCIES BETWEEN THE ARCHITECTURAL AND CONSULTING ENGINEERS DOCUMENTS SHALL BE BROUGHT TO ARCHITECT'S ATTENTION FOR DIRECTION. CONSTRUCTION INSTALLED IN CONFLICT WITH THE ARCHITECTURAL DRAWINGS SHALL BE CORRECTED BY CONTRACTOR AT NO EXPENSE TO THE OWNER.
4. DO NOT SCALE THE CONSTRUCTION DOCUMENTS. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED GRAPHICS. NOTIFY ARCHITECT IMMEDIATELY IN WRITING OF ALL ADDITIONAL REQUIRED DIMENSIONS. DO NOT PROCEED WITH WORK IN THE AREA OF DISCREPANCY OR CONFLICT UNTIL DIRECTION IS GIVEN BY ARCHITECT. IF THE CONTRACTOR PROCEEDS WITHOUT DIRECTION FROM ARCHITECT, IT SHALL BE AT CONTRACTORS RISK, AND CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REQUIRED CORRECTIVE ACTION.
5. CORRECT ALL WORK INSTALLED IN CONFLICT WITH THE CONSTRUCTION DOCUMENTS BY CONTRACTOR AS DIRECTED BY ARCHITECT AND AT NO ADDITIONAL EXPENSE TO THE OWNER.
6. VISIT JOB SITE PRIOR TO BEGINNING WORK AND VERIFY ALL DIMENSIONS AND CONDITIONS.
7. SECURE AND PAY FOR ALL PERMITS, GOVERNMENTAL FEES AND LICENSES REQUIRED FOR PROPER COMPLETION OF THE WORK. REQUEST ALL INSPECTIONS REQUIRED BY LOCAL GOVERNMENTAL AGENCIES AND COORDINATE THE WORK ACCORDINGLY.
8. WHERE WORK OR EQUIPMENT IS INDICATED "N.I.C." (NOT IN CONTRACT) OR "BY OTHERS" ON THE DRAWINGS, SHALL BE PROVIDED BY OWNER OR UNDER SEPARATE CONTRACT. CONTRACTOR SHALL COORDINATE AND COOPERATE TO EFFECT SUCH INSTALLATION.
9. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT THE REVIEW OF ARCHITECT UNLESS NOTED (+/-) OR "VERIFY". ALL OTHER DIMENSIONS NOTED SHALL BE CONSIDERED AS ABSOLUTE AND USED FOR LAY-OUT CONTROL UNLESS OTHERWISE DIRECTED BY ARCHITECT.
10. "TYPICAL" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED. WHEN A DETAIL OR NOTE IS IDENTIFIED AS "TYPICAL", CONTRACTOR SHALL APPLY THIS DETAIL OR NOTE TO EVERY LIKE CONDITION, WHETHER OR NOT THE REFERENCE IS REPEATED IN EVERY INSTANCE. VERIFY DIMENSIONS AND ORIENTATION ON PLANS.
11. PROVIDE WORK NOT SPECIFICALLY DETAILED OR SPECIFIED IN ACCORDANCE WITH DETAILS OR SIZES COVERING SIMILAR WORK.
12. "SIMILAR" MEANS COMPARABLE CHARACTERISTICS FOR THE ELEVATION OR DETAIL NOTED VERIFY DIMENSIONS AND ORIENTATION ON PLANS.
13. ABBREVIATIONS THROUGHOUT THE DOCUMENTS COMPLY WITH DOCUMENT ABBREVIATION LIST OR ARE THOSE IN COMMON USE. ARCHITECT WILL DEFINE THE INTENT OF ANY IN QUESTION.
14. REFER TO THE PROJECT MANUAL FOR GENERAL CONDITIONS, SUPPLEMENTARY AND SPECIAL CONDITIONS, AND OTHER REQUIREMENTS.
15. THE CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY PEDESTRIAN PROTECTION AS REQUIRED BY LOCAL CODE AND SPECIFICATION. PROVIDE BARRICADES AND PROTECTIVE DEVICES SEPARATING CONSTRUCTION AREAS PRIOR TO DELIVERY OF MATERIALS TO CONSTRUCTION ZONE AND REMOVAL OF WASTE FROM SITE, CHECK WITH OWNER FOR ACCEPTABLE ACCESS ROUTE AND TIME. UNDER NO CIRCUMSTANCES USE AREA OUTSIDE THE CONSTRUCTION ZONE WITHOUT PRIOR CLEARANCE FROM THE OWNER. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL.
16. PROVIDE FOR THE PROPER SEQUENCE OF CONSTRUCTION, LOCATION AND SIZE OF OPENINGS. COORDINATE ALL CONSTRUCTION AS INDICATED BY THE CONTRACT DOCUMENTS, INCLUDING SHOP DRAWINGS REVIEWED AND APPROVED BY ARCHITECT.
17. TAKE ALL MEASURES TO ACCOMPLISH THE WORK WITH THE MINIMUM OF INTERRUPTION TO NORMAL SCHOOL PROCEDURES. NOTIFY OWNER IN ADVANCE OF ANY SYSTEM SHUT-OFFS. MINIMIZE NOISE AND DUST GENERATION TO MAXIMUM EXTENT POSSIBLE.COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL.REMOVE ALL TRASH AND DEBRIS DAILY. DO NOT STORE BUILDING MATERIALS IN WALKWAYS AT ANY TIME. COMPLY WITH REQUIREMENTS AS SPECIFIED IN PROJECT MANUAL.
18. PERFORM ALL CUTTING, PATCHING, AND FINISHING NECESSARY TO RESTORE THE SITE TO ORIGINAL CONDITION OF ALL EXISTING PORTIONS OF THE TRACK AND FIELD AFFECTED BY CONTRACTORS WORK, TO THE SATISFACTION OF ARCHITECT AND OWNER.
19. VERIFY POINTS OF CONNECTION, INCLUDING SIZES AND LOCATIONS, AND ALL OTHER REQUIRED OPERATING CRITERIA WITH MATERIAL MANUFACTURER.
20. CONTRACTOR SHALL STIPULATE THAT ALL PROPOSED SUBSTITUTIONS ARE EQUAL IN PERFORMANCE AND COMPLY WITH APPLICABLE CODES AND REGULATIONS. CONTRACTOR'S SUBSTITUTION OF ALTERNATE MATERIALS OR SYSTEMS SHALL BE AT NO ADDITIONAL COST TO OWNER.
21. CONTRACTOR SHALL INSURE ALL CONSTRUCTION SHALL REMAIN ACCESSIBLE AND EXPOSED FOR INSPECTION PURPOSES UNTIL APPROVED BY THE INSPECTOR OF RECORD. FOR CONTINUOUS INSPECTION, TESTING, AND OBSERVATION REQUIREMENTS, REFER TO THE TESTING AND OBSERVATION PROGRAM.

VICINITY MAP NOT TO SCALE



STRUCTURAL DESIGN CRITERIA

DESIGN CRITERIA:	
SEISMIC LOAD Ie	1.0
SITE CLASSIFICATION	D
Ss	2.254
Sds	1.503
S1	0.799
Sd1	0.799
WIND LOAD / WIND SPEED	110 MPH
EXPOSURE	C
Iw	1.0

DEMO AND RENOVATION NOTES

1. FOR DEMOLITION SCOPE AND NOTES, REFER TO CIVIL DRAWINGS

2. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS TO RENEW CERTAIN EXISTING TRACK AND FIELD COMPONENTS IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS SUCH THAT THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.

3. VERIFY ALL EXISTING CONDITIONS INCLUDING BUT NOT LIMITED TO, MECHANICAL, PLUMBING, ELECTRICAL AND ALL OTHER EXISTING SYSTEMS. MAKE NECESSARY PROVISIONS TO MAINTAIN THE INTEGRITY OF EXISTING SYSTEMS PRIOR TO THE COMMENCEMENT OF ANY DEMOLITION.

4. REFER TO DOCUMENTS PREPARED BY CONSULTING ENGINEERS FOR INFORMATION REGARDING THE REMOVAL OF EXISTING CONDITIONS.

5. COMPLY WITH ANSI A10.6 "SAFETY REQUIREMENTS FOR DEMOLITION" PUBLISHED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE.

DSA REQUIREMENTS

ALL WORK SHALL CONFORM TO 2016 TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).

FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT

CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT (DSA), AS REQUIRED BY SEC. 4-338, PART 1, TITLE 24, CCR.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD) , OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. [SEC. 4-317(c), PART 1, TITLE 24, CCR]

SHEET INDEX

INCREMENT 1:

GENERAL

G0.0.1	COVER SHEET
G0.1.1	TITLE SHEET / SHEET INDEX
G2.0.1	FIRE ACCESS SITE PLAN

CIVIL

C1.0	COVER SHEET - NOTES & INDEX MAP
C1.1	ADDITIONAL DETAILS
C2.0	DEMOLITION PLAN
C3.0	CONSTRUCTION PLAN
C3.1	CONSTRUCTION PLAN
C3.2	CONSTRUCTION PLAN
C4.0	GRADING PLAN
C4.1	GRADING PLAN
C4.2	GRADING PLAN
C5.0	STORM DRAIN PLAN
C5.1	STORM DRAIN PLAN
C5.2	STORM DRAIN PLAN
C6.0	EROSION CONTROL PLAN

LANDSCAPE

L1.0	IRRIGATION PLAN
L2.0	IRRIGATION DETAILS

ARCHITECTURAL

A0.1.1	SYMBOLS / ABBREVIATIONS
A1.0.1	OVERALL SITE PLAN
A1.0.2	SITE KEY PLAN
A1.1.1	ENLARGED SITE PLAN
A1.1.2	ENLARGED SITE PLAN, BUILDING S PLAN AND DETAILS
A1.3.1	T+F STRIPING DETAILS
A1.3.2	TRACK & FIELD AND SITE DETAILS

ELECTRICAL

E-000	SYMBOLS AND NOTES
E-100	OVERALL ELECTRICAL SITE PLAN
E-200	ENLARGED ELECTRICAL SITE PLAN

FIELD SCOREBOARDS PER PC#04-116017

1	PC-2 TITLE PAGE
2	PC SIGN MOUNTING DETAILS 1
6	PC-2 25'-0" WIDE ELEVATION 110 MPH WIND SPEED

Grand total: 31

STATEMENT OF GENERAL CONFORMANCE

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

The drawings or sheets listed on the sheet index under:
'FIELD SCOREBOARD PER PC#04-116017'

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

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1, (Title 24, Part 1, Section 4-317 (b))

I certify that all drawings listed on the sheet index under:
'FIELD SCOREBOARD PER PC#04-116017'

are in general conformance with the project design, and have been coordinated with the project plans.

Signature — 07-17-19 (Date)

Architect or Engineer designated to be in responsible charge

JAY R. TITTLE, AIA
Print Name

C 12955 — License Number
11-30-19 — Expiration Date

AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120007 INC. 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 09/23/19

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING
1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400
www.littleonline.com

CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD, OXNARD, CA. 93033

CONSULTANT

SEAL

LICENSED ARCHITECT — JAY R. TITTLE — NO. C 12955 — REN. 11-30-19 — STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
09/23/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE
JT

PROJECT MANAGER
LEB

DESIGN TEAM
FM/ RG/ CL/ JR/ TA

PROJECT NAME
HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

PROJECT NO.
6121235302

SHEET TITLE
TITLE SHEET / SHEET INDEX

SHEET NUMBER
G0.1.1

C:\Users\farnaz.mahjoob\Documents\6121235302 OXNARD UHSD HUENEME HS TRACK & FIELD IMPROVEMENTS-INC 1-CENTRAL_16_farnaz.mahjoob.rvt

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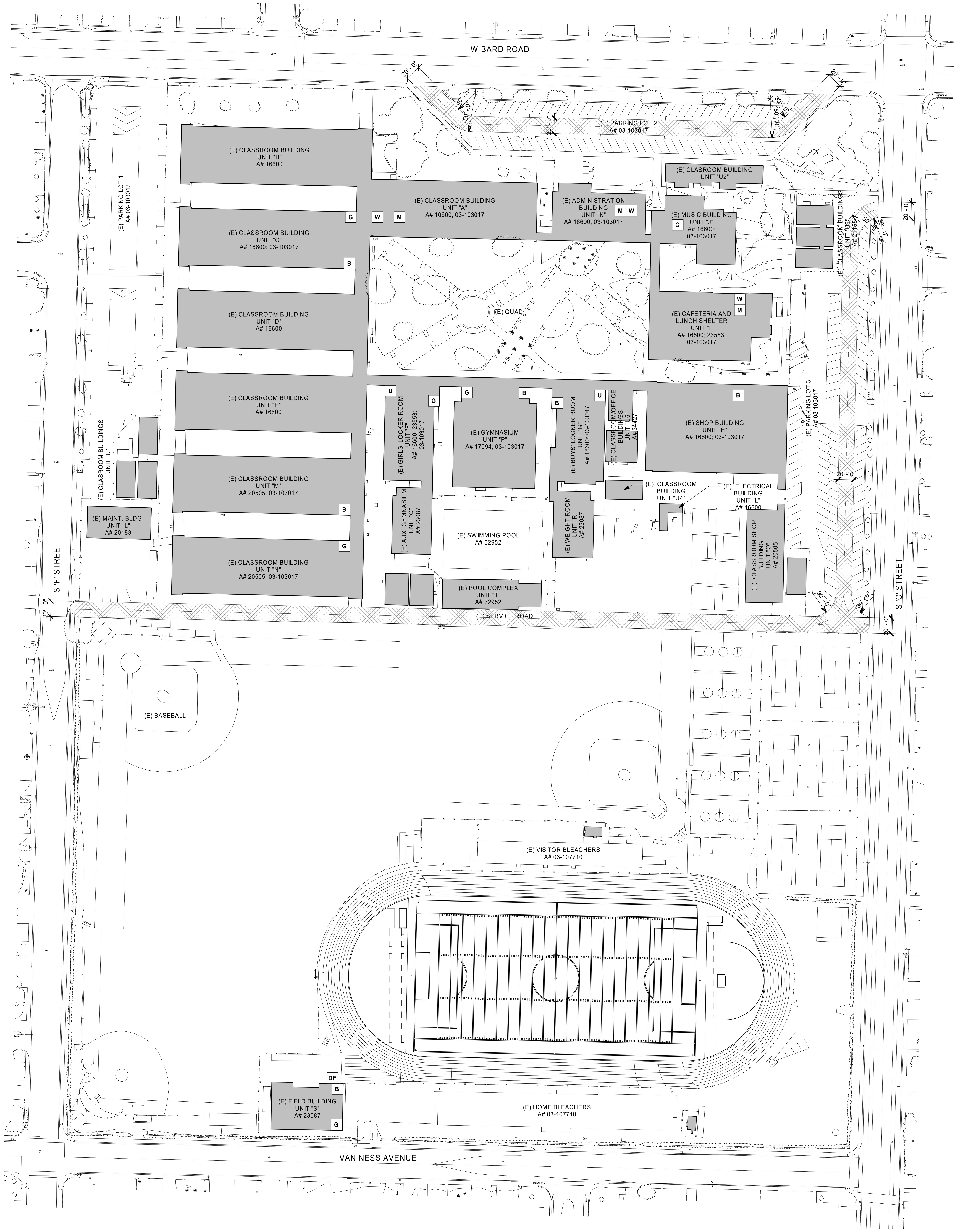

OVERALL SITE PLAN 1
1" = 60'-0" G2.0.1

LEGEND

(fire lane hatch)	FIRE LANE - 20'-0" WIDE MINIMUM, U.N.O.
(E) F.H.	EXISTING FIRE HYDRANT LOCATION
F.H.	NEW FIRE HYDRANT LOCATION

GENERAL NOTES

1. SEE CIVIL DRAWINGS FOR SITE EXCAVATION, GRADING, DRAINAGE, WATER, SEWER, PAVING, HORIZONTAL AND VERTICAL CONTROL, AND ADDITIONAL SITE AND CONSTRUCTION INFORMATION.

AGENCY REVIEW

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LITTLE™
DIVERSIFIED ARCHITECTURAL CONSULTING
1300 Dove Street, Suite 100
Newport Beach, CA. 92660
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CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD, OXNARD, CA. 93033

CONSULTANT

SEAL

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PROJECT TEAM
PRINCIPAL IN CHARGE
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ CL/ JR/ TA

PROJECT NAME
HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

PROJECT NO.
6121235302

SHEET TITLE
FIRE ACCESS SITE PLAN

SHEET NUMBER
G2.0.1

GENERAL NOTES

1. WORK SHALL BE PERFORMED ACCORDING TO THE LATEST EDITIONS OF THE STANDARD SPECIFICATIONS AND PLANS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK & S.P.P.W.C.), LATEST EDITION OF CALIFORNIA BUILDING CODE AND CITY OF OXNARD BUILDING CODE REQUIREMENTS.

2. NO WORK SHALL BE STARTED WITHOUT A PRE-CONSTRUCTION MEETING WITH THE OWNER, INSPECTOR AND AOR.

3. THE CONTRACTOR SHALL PROVIDE FOR CONTRIBUTORY DRAINAGE AT ALL TIMES AND TAKE ALL NECESSARY AND PROPER PRECAUTIONS TO PROTECT ADJACENT PROPERTIES AND IMPROVEMENTS FROM ANY AND ALL DAMAGE THAT MAY OCCUR FROM STORM WATER RUNOFF AND/OR DEPOSITION OF DEBRIS RESULTING FROM ANY AND ALL WORK.

4. NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE CIVIL ENGINEER.

5. IMPORTANT NOTICE - SECTION 4216/4217 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE ANY "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT TOLL FREE @ 1-800-422-4133, TWO WORKING DAYS BEFORE YOU DIG.

6. ANY IMPROVEMENT(S) TO BE CONSTRUCTED WITHIN PUBLIC RIGHT-OF-WAY WILL REQUIRE SEPARATE CONSTRUCTION PERMIT AND INSPECTION FROM THE GOVERNING AGENCY(IES). CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING ALL APPLICABLE PERMITS AND PAYING ANY REQUIRED FEES.

7. FILLS SHALL BE COMPACTED THROUGHOUT TO AT LEAST 90% OF MAXIMUM DRY DENSITY AS DETERMINED BY A.S.T.M. SOIL COMPACTION TEST D 1557.

8. CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ALL GRADE STAKES UNTIL AUTHORIZED BY SURVEYOR TO REMOVE.

9. CONTRACTOR SHALL RESTORE LIKE FOR LIKE, TO THE SATISFACTION OF THE OWNER/ARCHITECT, ALL AREAS DAMAGED OR DISTURBED AS A RESULT OF WORK PERFORMED PURSUANT TO THESE PLANS AT HIS/HERS OWN EXPENSE.

10. FIELD DENSITY MAY BE DETERMINED BY THE NUCLEAR DENSITY METHOD A.S.T.M. D2922 & D3017 PROVIDED NOT LESS THAN 10% OF THE REQUIRED DENSITY TESTS UNIFORMLY DISTRIBUTED ARE BY THE SAND-CONE METHOD. THE METHOD OF DETERMINING FIELD DENSITY AND LOCATION AND APPROXIMATE ELEVATION SHALL BE SHOWN IN THE COMPACTION REPORT. OTHER METHODS MAY BE USED IF RECOMMENDED BY THE SOILS ENGINEER AND APPROVED IN ADVANCE BY THE CITY ENGINEER.

11. CRUSHED AGGREGATE BASE MATERIAL SHALL CONFORM TO SUBSECTION 200-2.2 OF STANDARD SPECIFICATIONS AND SHALL BE COMPACTED TO 95% RELATIVE COMPACTION USING MECHANICAL COMPACTING EQUIPMENT.

12. NEW CONCRETE SHALL BE CLASS 520-C-2500 (310-C-17) CONFORMING WITH S.S.P.W.C. 201-1.1.2.

13. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES WHETHER SHOWN OR NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR FURTHER ASSUMES ALL LIABILITY AND RESPONSIBILITY FOR THE UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN OR NOT SHOWN ON THESE DRAWINGS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL PUBLIC AND PRIVATE PROPERTY INSOFAR AS IT MAY BE AFFECTED BY THESE OPERATIONS. ALL COSTS FOR PROTECTING, REMOVING, AND RESTORING EXISTING IMPROVEMENTS SHALL BE BORNE BY THE CONTRACTOR.

14. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE IN EFFECT AT ALL TIMES.

15. THE CONTRACTOR SHALL VERIFY ALL JOINT ELEVATIONS PRIOR TO THE REMOVAL OF PAVEMENT, CURB, GUTTER, SIDEWALK AND/OR SLOPE GRADING. ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER OF RECORD PRIOR TO REMOVALS WITHIN THE AREA OF THE DISCREPANCIES.

16. DUST SHALL BE CONTROLLED BY WATERING TO THE SATISFACTION OF THE INSPECTOR.

17. WHERE THE IRRIGATION SYSTEM IN CONFLICT WITH NEW WORK NEEDS TO BE RELOCATED OR REPLACED, CONTRACTOR SHALL COORDINATE THE WATER SHUT OFF OR ANY ELECTRICAL RELATED WORK WITH OWNER 48 HOURS PRIOR COMMENCING THE WORK.

18. ALL EXPOSED P.C.C. CORNERS SHALL BE ROUNDED WITH A 1/2" RADIUS.

19 ALL EXPORT OF MATERIAL FROM THE SITE MUST GO TO A PERMITTED SITE APPROVED BY THE BUILDING OFFICIAL OR A LEGAL DUMPSITE. RECEIPTS FOR ACCEPTANCE OF EXCESS MATERIAL BY A DUMPSITE ARE REQUIRED AND MUST BE PROVIDED TO THE BUILDING OFFICIAL UPON REQUEST.

20. CONTRACTOR TO CALCULATE HIS/HER OWN QUANTITIES FOR BIDDING PURPOSES.

21. FOR JOINTS AT NEW CURB AND SIDEWALK REFER TO S.P.P.W.C. STD. PLAN No. 112-2. ALSO SEE DETAILS ON THIS SHEET FOR ADDITIONAL INFORMATION JOINT DETAILS.

22. IF WORK IS COMMENCED DURING RAINY SEASON, CONTRACTOR SHALL SATISFY CITY OF OXNARD AND VENTURA COUNTY'S EROSION CONTROL REQUIREMENTS AND INSTALL APPROPRIATE BMPs.

PRIVATE ENGINEER'S NOTICE TO CONTRACTOR

THE EXISTENCE AND LOCATION OF ANY AND ALL CONDUITS, UTILITY PIPES, AND STRUCTURES SHOWN ON THIS SET OF PLANS ARE OBTAINED BASED ON AVAILABLE RECORDS AT THE TIME OF DESIGN. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING UTILITIES WITHIN THE CONSTRUCTION LIMITS OF THIS PROJECT AT THE TIME OF DESIGN EXCEPT AS SHOWN ON THIS SET OF PLANS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ANY AND ALL UTILITY LINES SHOWN ON THIS SET OF PLANS. THE CONTRACTOR FURTHER ASSUMES ANY AND ALL LIABILITY AND RESPONSIBILITY FOR THE CONDUITS, UTILITY PIPES, AND STRUCTURES SHOWN ON THIS SET OF DRAWINGS.

CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT. THIS STIPULATION INCLUDES THE SAFETY OF ANY AND ALL PERSONS AND PROPERTY. THE CONTRACTOR SHALL FURTHER DEFEND, INDEMNIFY, AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, WITH THE EXCEPTION OF LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.

GENERAL NOTES FOR ON-SITE UTILITIES

1. CONTRACTOR SHALL VERIFY ALL SITE UTILITY ROUTES, STRUCTURE LOCATIONS AND ASSOCIATED REQUIREMENTS WITH RESPECTIVE UTILITY COMPANIES BEFORE COMMENCING WORK ON THOSE UTILITIES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING ALL GRADE STAKES UNTIL AUTHORIZED BY SURVEYOR TO REMOVE.
3. INDIVIDUAL PIPE FITTINGS ARE NOT CALLED OUT; CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY FITTINGS AS REQUIRED TO COMPLETE THIS PROJECT. PIPE LENGTHS SHOWN ARE APPROXIMATE.
4. RESTORATION/REPAIR: CONTRACTOR SHALL RESTORE/REPAIR ALL AREAS DAMAGED OR DISTURBED AS A RESULT OF ALL WORK PERFORMED PURSUANT TO THESE PLANS. SUCH AREAS INCLUDE, BUT ARE NOT LIMITED TO, CURB AND GUTTER, A.C. PAVEMENT, CONCRETE, STRIPING, LANDSCAPING, AND UTILITIES. RESTORATION/REPAIR SHALL INCLUDE, BUT IS NOT LIMITED TO, MATCHING A.C. AND CONCRETE SECTIONS AND TEXTURE, MATCHING FINISH AS APPLICABLE, ALL TO THE SATISFACTION OF THE DISTRICT.
5. ADDITIONAL MATERIALS: CONTRACTOR SHALL PROVIDE ALL NECESSARY MATERIALS AND LABOR, SUBJECT TO THE APPROVAL OF THE DISTRICT AND ARCHITECT/ENGINEER, NOT SPECIFICALLY DESCRIBED IN THE CONSTRUCTION NOTES BUT REQUIRED FOR COMPLETE AND PROPER INSTALLATION OF THIS WORK.
6. ALL MATERIALS REMOVED SHALL BE TAKEN OFF SCHOOL PROPERTY BY CONTRACTOR AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE CODES UNLESS DIRECTED BY OWNER TO BE SALVAGED.
7. CONTRACTOR TO POTHOLE AND VERIFY THE SIZE, MATERIAL AND INVERT ELEVATION OF EXISTING UTILITY AND VERIFY THAT THE CONNECTION CAN BE MADE AS SHOWN ON THE PLAN. IN THE EVENT OF A DISCREPANCY, NOTIFY THE OWNER/PROJECT MANAGER OF THE FIELD FINDINGS 7 DAYS PRIOR TO THE CONSTRUCTION DATE FOR ALTERNATIVE RESOLUTION.

CONTRACTOR TO INCLUDE IN THEIR BID

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE SWPPP.; SUBMIT IT TO THE STATE WATER QUALITY BOARD, OBTAIN NOI (NOTICE OF INTENT), AND PAY THE NECESSARY FEES FOR THE PERMIT. SWPPP MUST BE PREPARED BY A CERTIFIED QSD

IT WILL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A CERTIFIED "QSP" FOR SWPPP OBSERVATIONS AND FILLING ALL NECESSARY REPORTS THROUGH "SMART" WITH THE STATE WATER QUALITY BOARD THROUGHOUT THE LIFE OF THE PROJECT TILL IT IS COMPLETED. CONTRACTOR'S "QSP" SHALL FILE THE NOI (NOTICE OF INTENT).

EXISTING CONTOURS, PROVIDED BY ARMSTRONG & BROOKS CONSULTING ENGINEERS, INC., ARE GENERATED BY AERIAL TOPO SURVEY, NOT FOOT SURVEY.

UNDERGROUND SERVICE ALERT

CALL: TOLL FREE

1-800-422-4133

LEGEND

FS	FINISH SURFACE ELEVATION
TC	TOP OF CURB ELEVATION
TS	TOP OF CONCRETE SLAB ELEVATION
XX.XX	PROPOSED SPOT ELEVATION
(XX.XX)	EXISTING SPOT ELEVATION
	CMU WALL
— X —	EXISTING FENCE
——XX——	NEW C.L. FENCE
CONC.	CONCRETE
G.B.	GRADE BREAK
ESW	EDGE OF SIDEWALK
DWY	DRIVEWAY
C&G	CURB & GUTTER
H.P.	HIGH POINT
NG	NATURAL GROUND
S.P.P.W.C.	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
S.S.P.W.C.	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
C.F.	CURB FACE
ELEV.	ELEVATION
EX.	EXISTING
BCR.	BEGIN CURB RETURN
ECR.	END CURB RETURN
A.P.	ANGLE POINT
X	FURNISH AND INSTALL/CONSTRUCT, DEMOLISH, REMOVE AND REPLACE, OR RELOCATE, AS INDICATED.
XX.X%	NEW SLOPE
(XX.X)%	EXISTING SLOPE
FL	FLOW LINE
T.B.M.	TEMPORARY BENCH MARK
CONC.	CONCRETE PAVEMENT
A.C.	ASPHALT CONCRETE PAVING
(N)	NEW
T.B.M	TEMPORARY BENCH MARK
F.F.	FINISH FLOOR
A.F.F.	ABOVE FINISH FLOOR
EG	EDGE OF GUTTER
CLR.	CLEAR
SCO	SEWER CLEAN-OUT
SMH	SEWER MANHOLE
P.A.	PLANTER AREA
E.J.	EXPANSION JOINT
C.J.	CONTROL JOINT
D.I.	DRAIN INLET
SCO	SEWER CLEAN-OUT
EPB	ELECTRICAL PULL BOX
WV	WATER VALVE
SFM	SEWER FORCE MAIN

BASIS OF BEARING

N89°54'50"E BEING THE CENTERLINE OF VAN NESS ROAD PER MAP RECORDED IN BOOK 31, PAGES 89 THROUGH 90, OF MAPS, IN THE OFFICE OF THE COUNTY RECORDER OF VENTURA COUNTY, STATE OF CALIFORNIA.

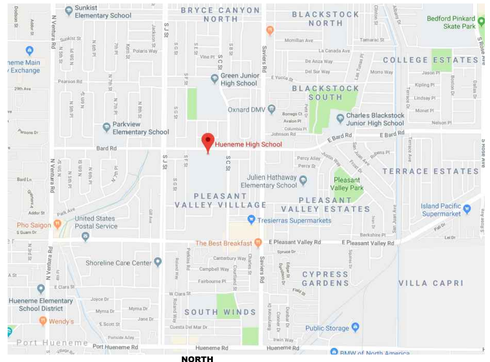
BENCHMARK

CITY OF OXNARD J-BARD

ELEVATION: 6.069 (NAVD 88)

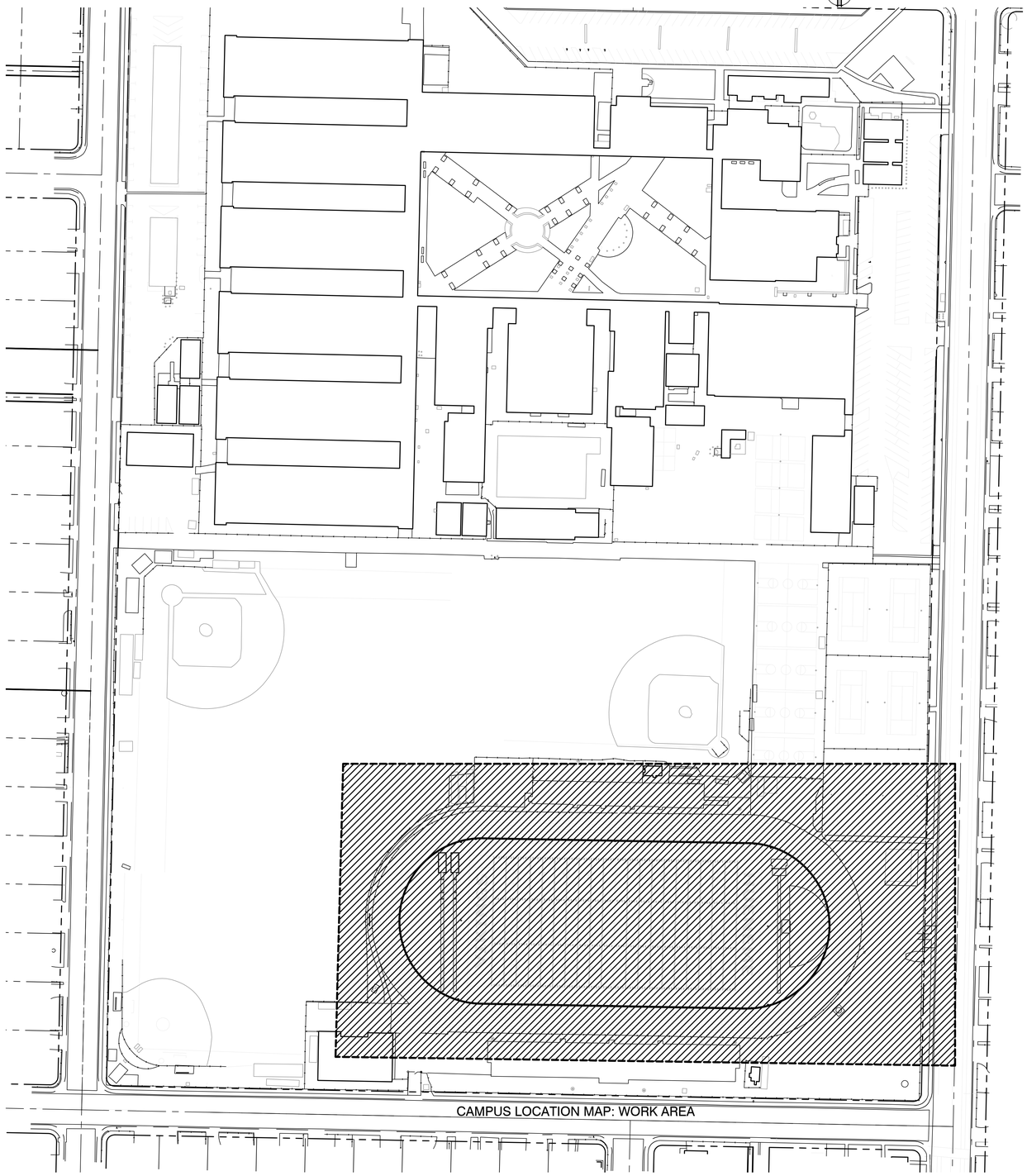
DESCRIPTION: BRASS DISK STAMPED "J-BARD 2000"

LOCATION: BRASS DISK STAMPED "J-BARD 2000" SET ON TOP OF CURB AT THE NORTHWEST CORNER OF THE INTERSECTION OF BARD ROAD AND NORTHBOUND LANE "J" STREET. THE DISK IS 0.5 FEET EAST OF THE SOUTHERLY CURB RETURN.



NORTH

VICINITY MAP
N/S



NORTH

CAMPUS LOCATION MAP: WORK AREA

1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400

www.littleonline.com

AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-120007 INC: 1
REVIEWED FOR:
SS ☑ FLS ☑ ACS ☑
DATE: 09/23/19

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

HUENEME HIGH SCHOOL - INC 1
TRACK & FIELD IMPROVEMENTS

500 W BARD RD,
OXNARD, CA. 93033

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
BARBARA BET GOVARDE
C 81751
EXP 3-31-20
CIVIL
STATE OF CALIFORNIA

SEAL

LICENSED ARCHITECT
TAY R. TYRRELL
No. C12955
REN. 11-30-19
STATE OF CALIFORNIA

ISSUE FOR
DSA SUBMITTAL

ISSUE DATE
09/23/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE
BB

PROJECT MANAGER
BB

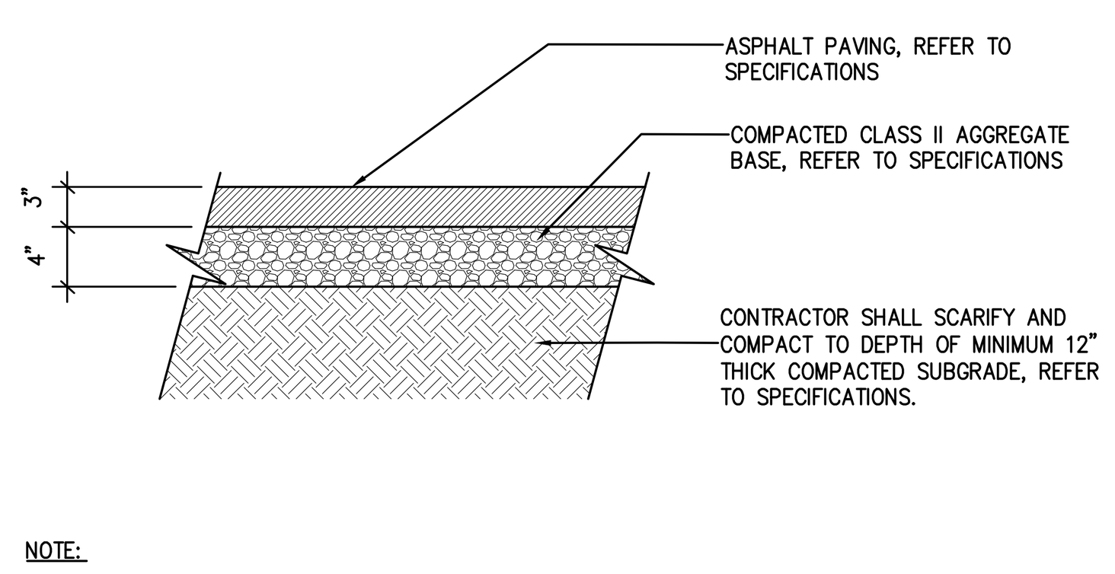
DESIGN TEAM
SA, ML, VS, AT

PROJECT NAME
HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

PROJECT NO.
6121235302

SHEET TITLE
COVER SHEET - NOTES & INDEX MAP

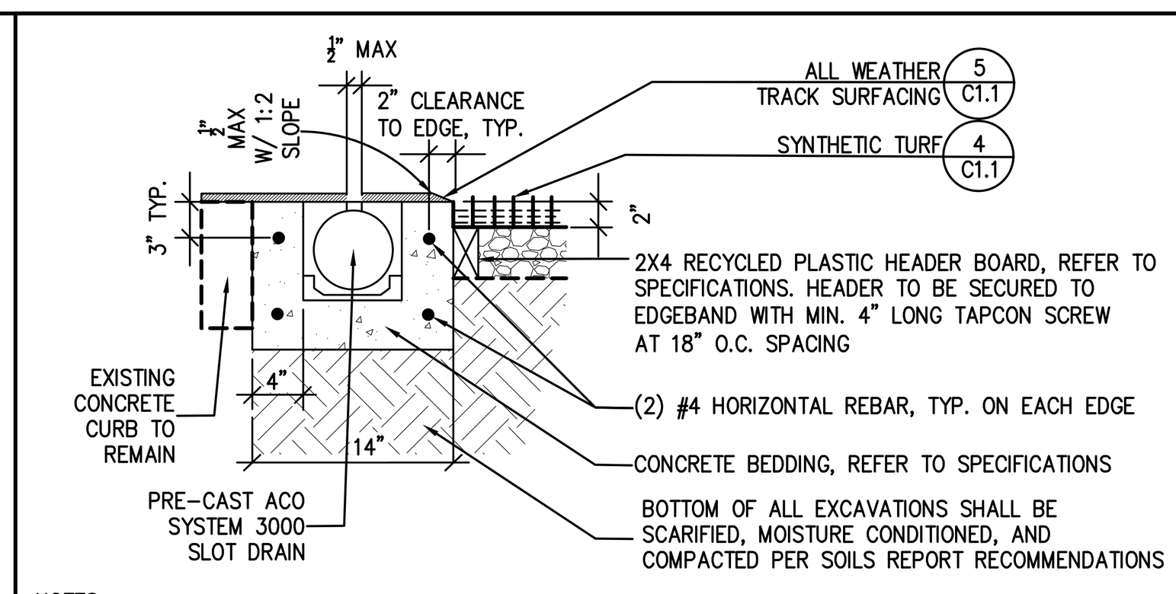
SHEET NUMBER
C1.0



NOTE:

- ALL AGGREGATE BASE AND ASPHALT PAVING DIMENSIONS ARE REQUIRED MINIMUM THICKNESS, REFER TO SPECIFICATIONS.

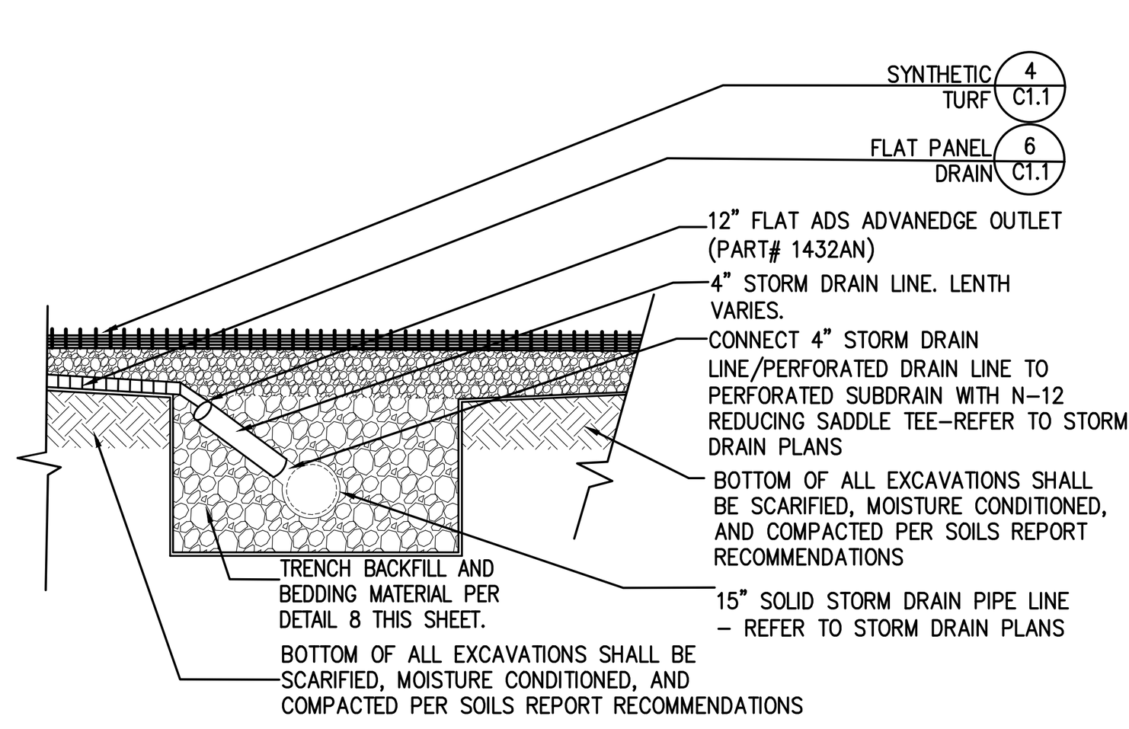
1 ASPHALT PAVING UNDER TRACK SURFACE N.T.S



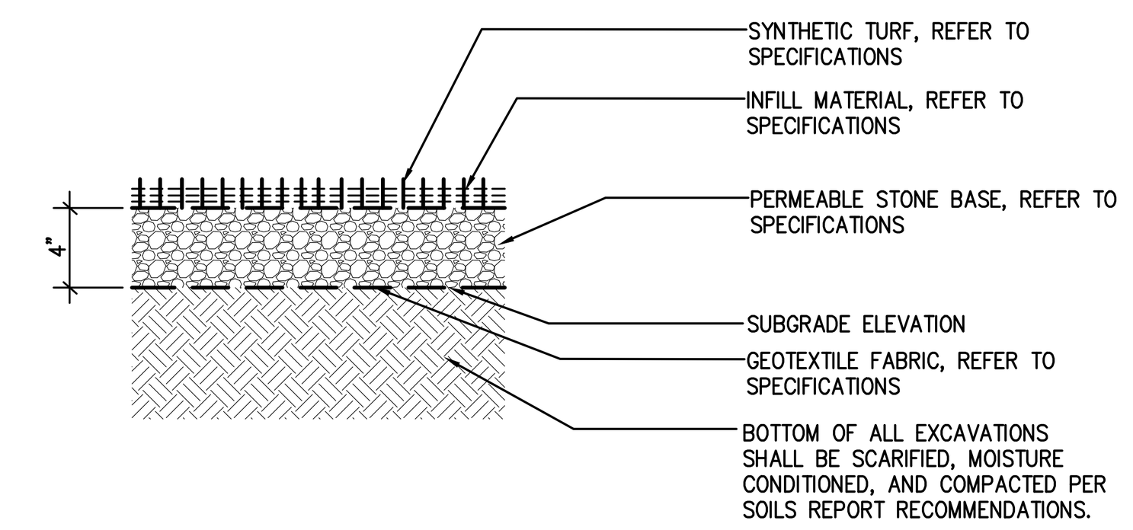
NOTES:

- CONCRETE BEDDING SHALL HAVE SAW CUT JOINTS AT BOTH ENDS OF THE DRAIN SEGMENTS EACH SIDE.
- PROVIDE SAW CUT JOINT 8' ON CENTER MAX. AND ALIGN WITH FENCE POSTS.
- JOINTS TO BE ON BOTH SIDE OF GRATE.
- CONCRETE FINISH FOR TRENCH DRAINS SHALL BE MEDIUM BROOM FINISH LENGTHWISE.

2 TRACK TRENCH DRAIN N.T.S



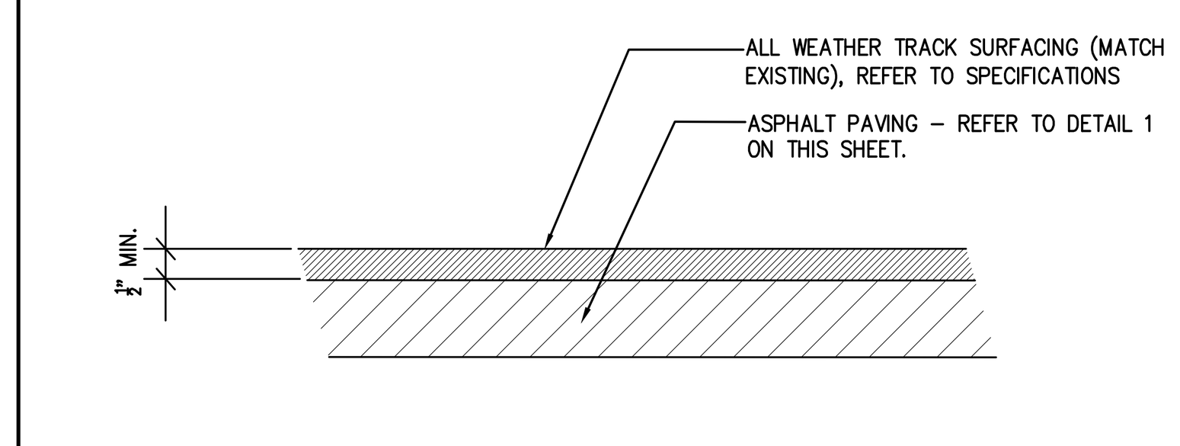
3 FLAT DRAIN CONNECTION N.T.S



NOTE:

- IDENTIFIED FINISH GRADES OF SYNTHETIC TURF SHALL BE THE TOP OF INFILL MATERIAL. TOP OF INFILL MATERIAL SHALL BE BETWEEN 1/4" AND 1/2" BELOW ADJACENT ACCESSIBLE SURFACES.

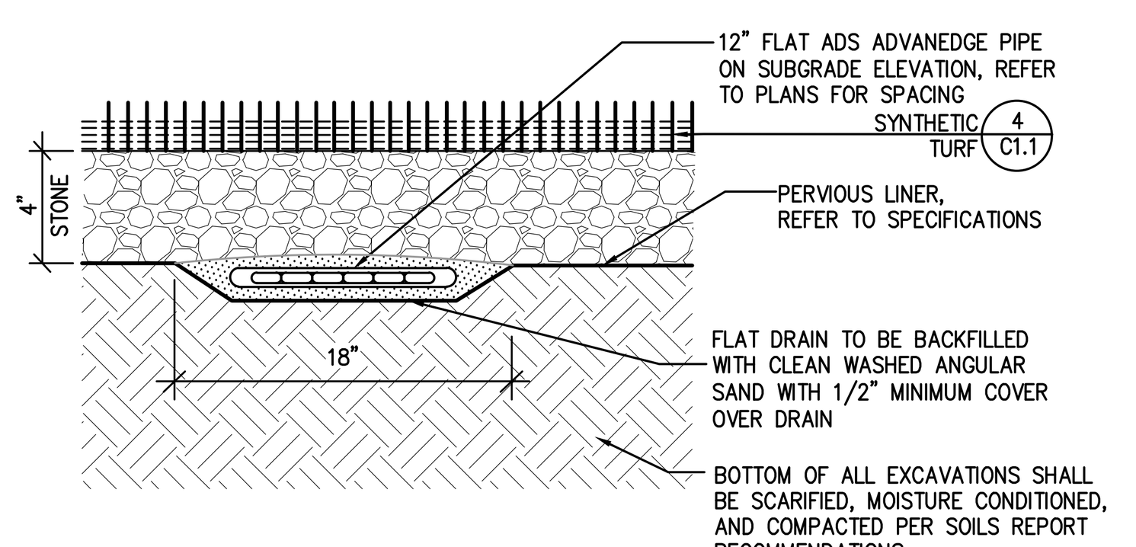
4 SYNTHETIC TURF N.T.S



NOTES:

- CONTRACTOR TO PROVIDE THE TRACK SURFACING TO THE EDGE OF THE ACO DRAIN ALONG THE TRACK DRAIN AND D-ZONES.
- ALONG THE D-ZONE EDGE OF THE TRACK, THE TRACK SURFACING SHALL BE INSTALLED ONTO THE EDGEBAND.
- CONTRACTOR SHALL MATCH THE TYPE, COLOR AND MAKE OF THE EXISTING TRACK SURFACE. CONTRACTOR SHALL CONTACT BANYON REPRESENTATIVE FOR FURTHER INFORMATION AND SUBMIT CUT SHEETS TO ARCHITECT FOR REVIEW.

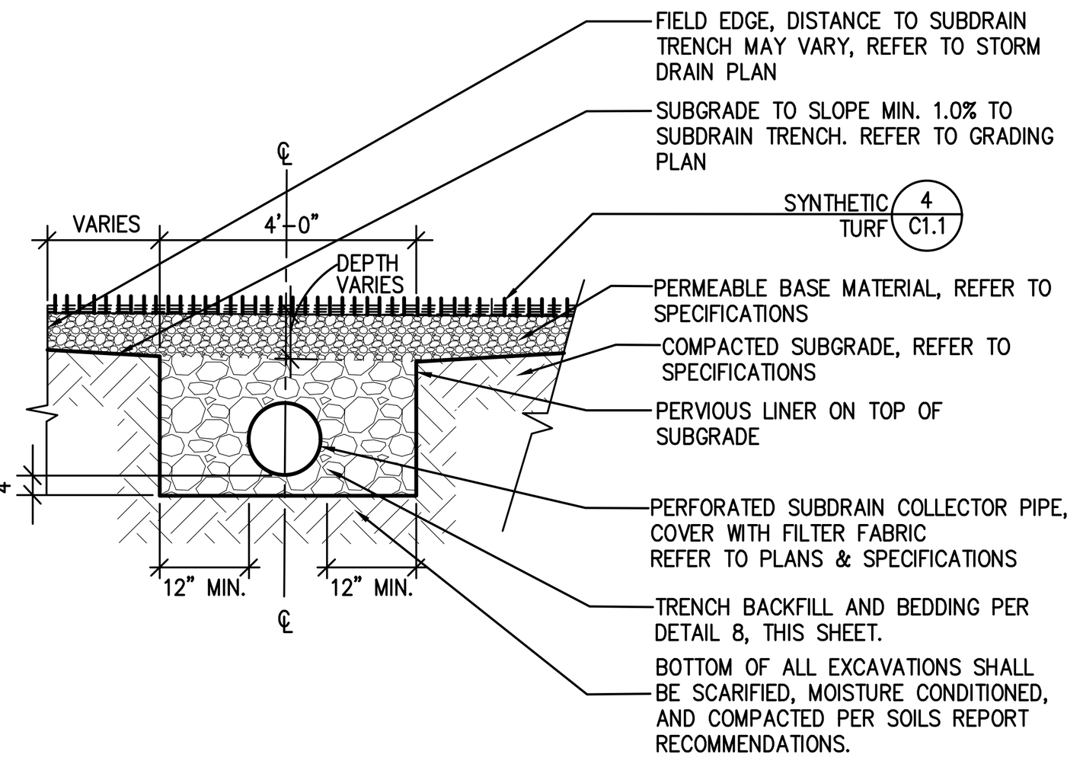
5 ALL WEATHER TRACK SURFACING N.T.S



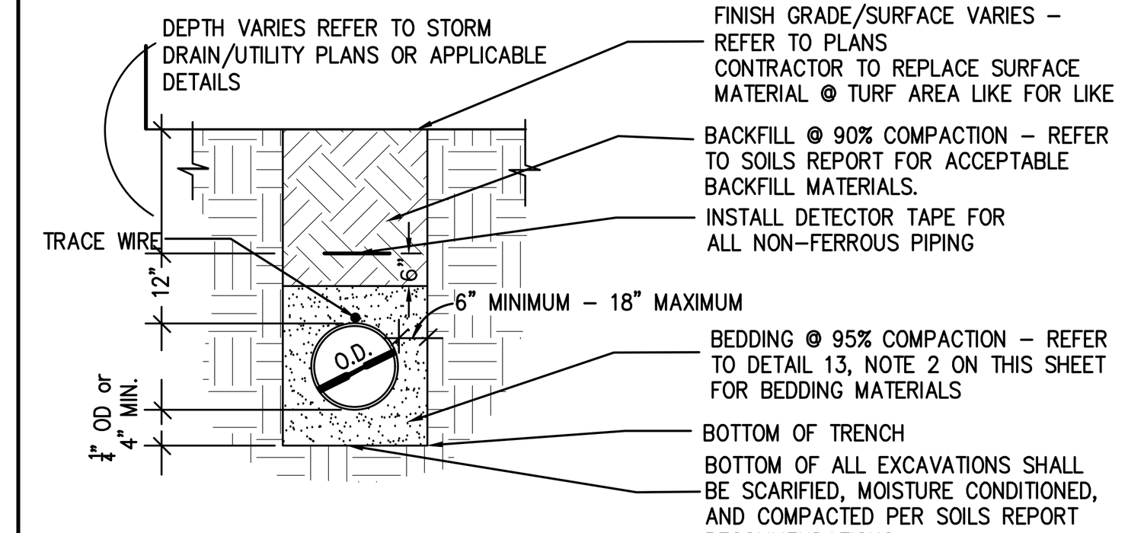
NOTES:

- CONTRACTOR TO USE MANUFACTURER APPROVED ADAPTERS AND FITTINGS TO CONNECT FLAT PANEL DRAIN TO COLLECTION DRAIN.
- REFER TO DETAIL 3 ON THIS SHEET FOR CONNECTION TO SOLID SUBDRAIN

6 FLAT PANEL DRAIN N.T.S



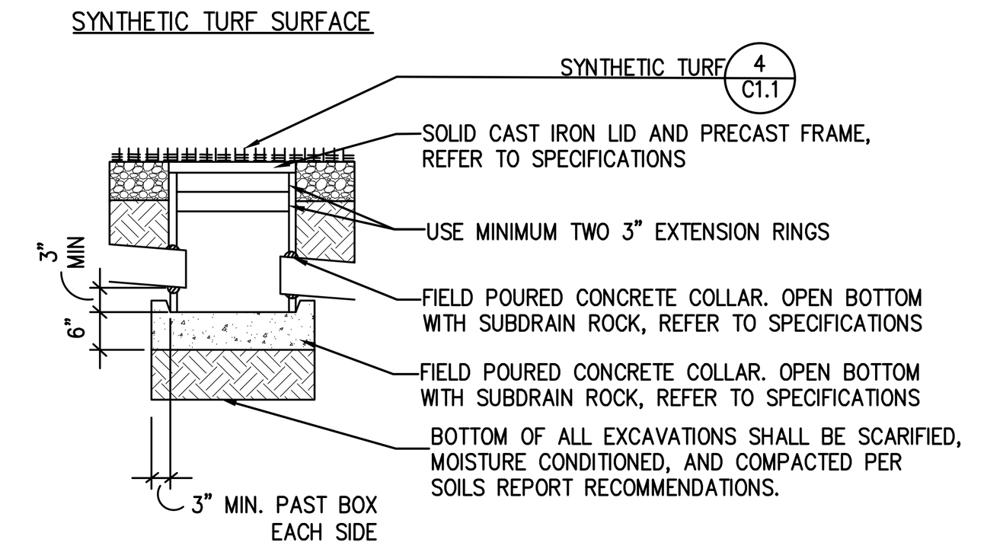
7 PERFORATED SUBDRAIN N.T.S



NOTES:

- CONTRACTOR TO INSTALL SURFACING IMPROVEMENTS PER DRAWINGS, SECTIONS FOR SURFACING IMPROVEMENTS SHALL SUPERCEDE BACKFILL MATERIAL.
- WHERE SOLID WALL STORM LINE ARE LOCATED IN SYNTHETIC TURF SUBDRAIN TRENCH REFER TO DETAIL 10 - "TYPICAL FIELD & PIPE SECTION W/ VERTICAL TRENCH".
- ALL TRENCHING AND BACKFILL RELATED WORK SHALL BE SUPERVISED AND APPROVED BY FIELD GEOTECHNICAL ENGINEER PRIOR TO FILLING THE TRENCHES.

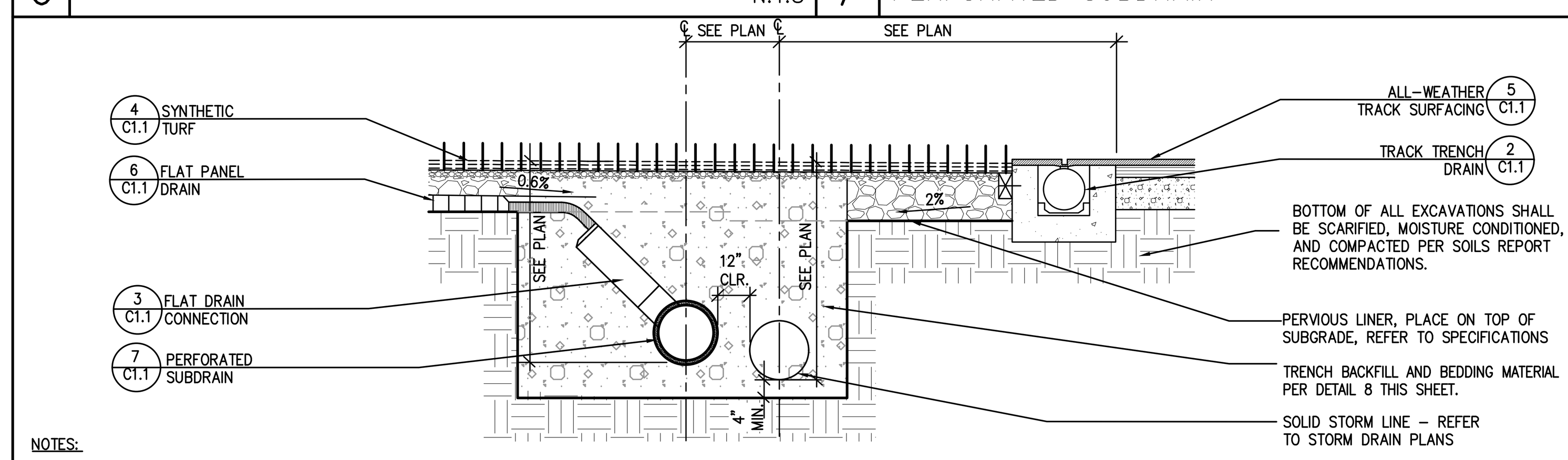
8 TRENCH BACKFILL N.T.S



NOTES:

- ALL GRATES SHALL BE FITTED WITH LOCK-DOWN MECHANISMS OR BOLT-DOWN COVERS.
- SURFACE TREATMENT TO RECEIVE SYNTHETIC TURF BACKING GLUED TO TOP OF LID CERTAIN LID SIZES AND/OR ADA COMPLIANT LIDS MAY NOT BE AVAILABLE AND MAY NEED TO BE FABRICATED
- ALL GRATES LOCATED WITHIN VEHICULAR TRAFFIC AREAS ARE TO BE TRAFFIC-RATED. ALL GRATES LOCATED WITHIN PEDESTRIAN TRAFFIC AREAS ARE TO BE ADA COMPLIANT AND HEAL PROOF.
- ENSURE PROPER COMPACTION AROUND BASIN/BOX IN SYNTHETIC TURF TO PREVENT SETTLING AROUND EDGE.

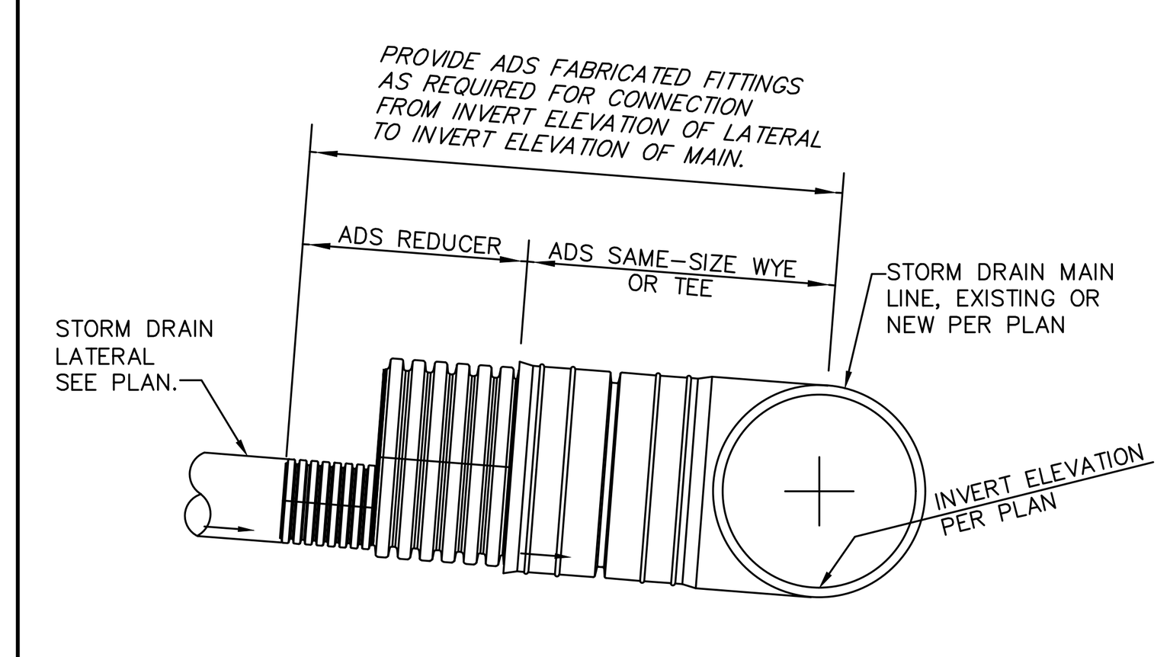
9 CATCH BASIN/JUNCTION BOX N.T.S



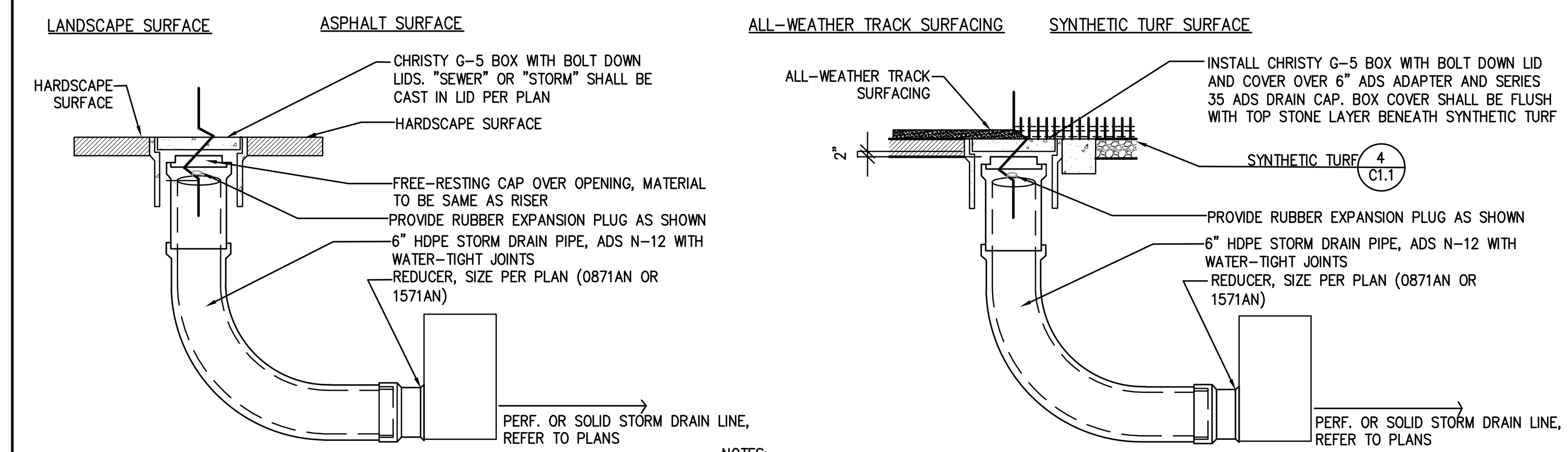
NOTES:

- TRENCH OPTION - CONTRACTOR MAY VERTICALLY TRENCH A MIN. 3' WIDE IN LIEU OF THE TAPERING TRENCH. ALL DEPTHS, PIPE SLOPES AND COVERAGE IS PER PLANS.
- MAINTAIN A 24" MIN SEPARATION WHEN IRRIGATION OR DOMESTIC WATER LINES ARE REQUIRED TO CROSS ANY ELECTRICAL LINES, THESE WATER LINES SHALL BE BURIED BELOW THE ELECTRICAL LINES.

10 TYPICAL FIELD & PIPE SECTION WITH VERTICAL TRENCH N.T.S



11 CONNECTION OF STORM DRAIN PIPES OF DIFFERENT SIZES N.T.S



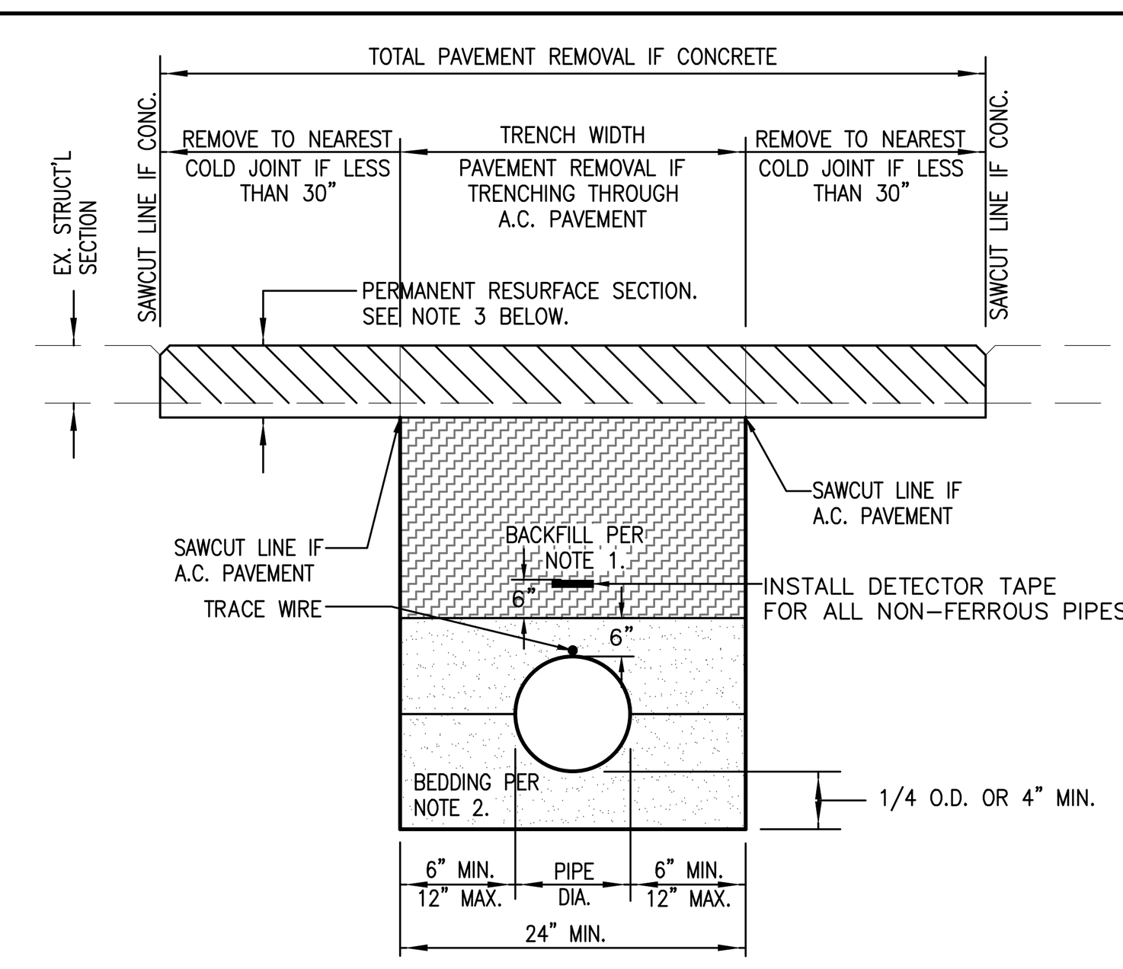
NOTES:

- IN SYNTHETIC TURF, CLEANOUT SHALL HAVE 4" MIN. CONCRETE COLLAR. TURF TO BE ADHERE TO COLLAR AND CLEANOUT LID AND THEN CUT AROUND EDGE OF LID.

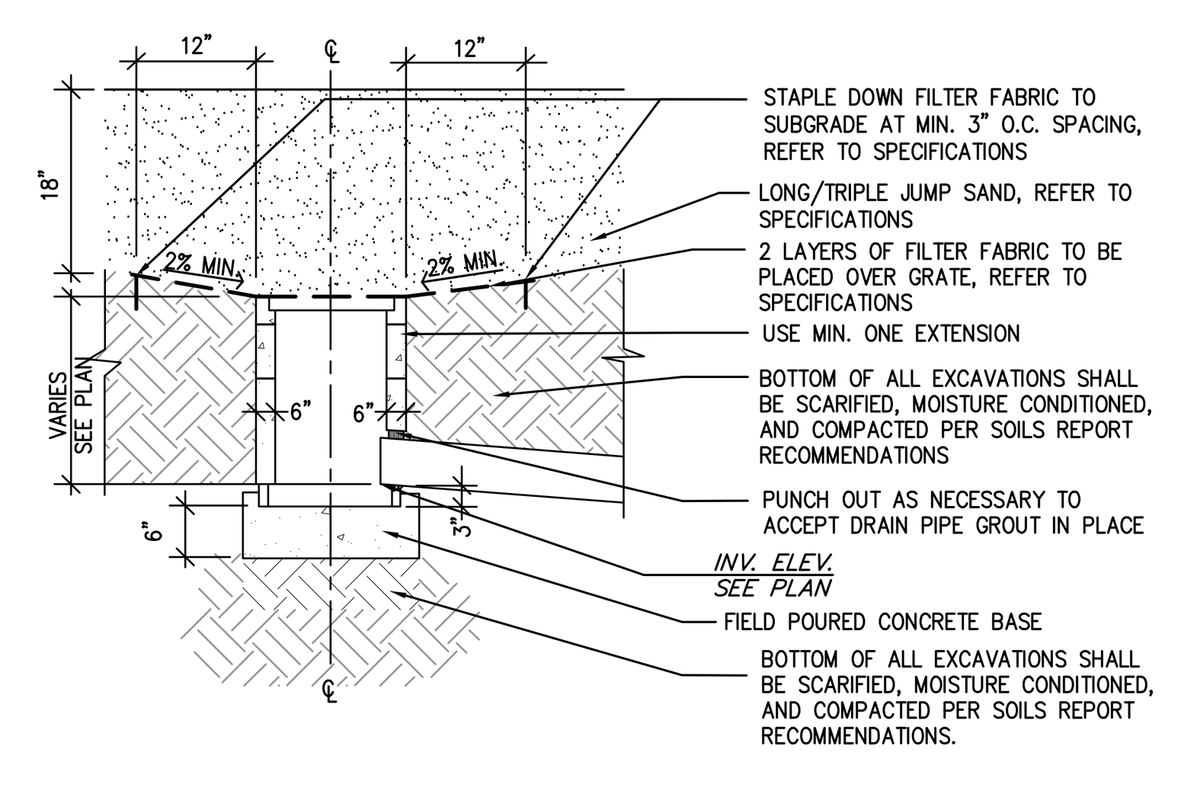
12 SANITRAY/STORM/PERF/FRENCH/ROCK DRAIN CLEANOUT N.T.S

NOTES:

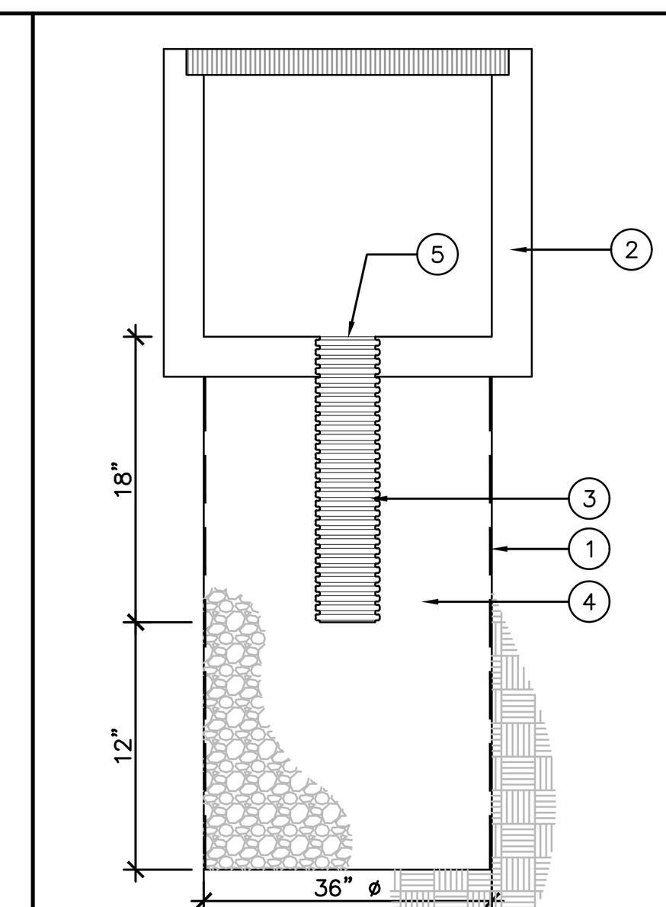
1. *PROVIDE BACK FILL MATERIAL IN UTILITY TRENCH PER GEOTECH REPORT RECOMMENDATIONS.*
2. *PROVIDE BEDDING MATERIALS IN UTILITY TRENCH PER GEOTECH REPORT RECOMMENDATIONS*
3. *PERMANENT RESURFACE NOTE:*
   a. *IF TRENCH IS IN EXISTING AC PAVEMENT, THE RESURFACE SECTION SHALL MATCH THAT OF THE EXISTING STRUCTURAL SECTION.*
   b. *IF TRENCH IS IN EXISTING CONCRETE PAVEMENT, THE RESURFACE SECTION SHALL MATCH THAT OF THE EXISTING STRUCTURAL SECTION.*
4. *ALL TRENCHING AND BACKFILL RELATED WORK SHALL BE SUPERVISED AND APPROVED BY FIELD GEOTECHNICAL ENGINEER PRIOR TO FILLING THE TRENCHES.*



13 SINGLE UTILITY TRENCH DETAIL AT EXISTING PAVEMENT LOCATION N.T.S

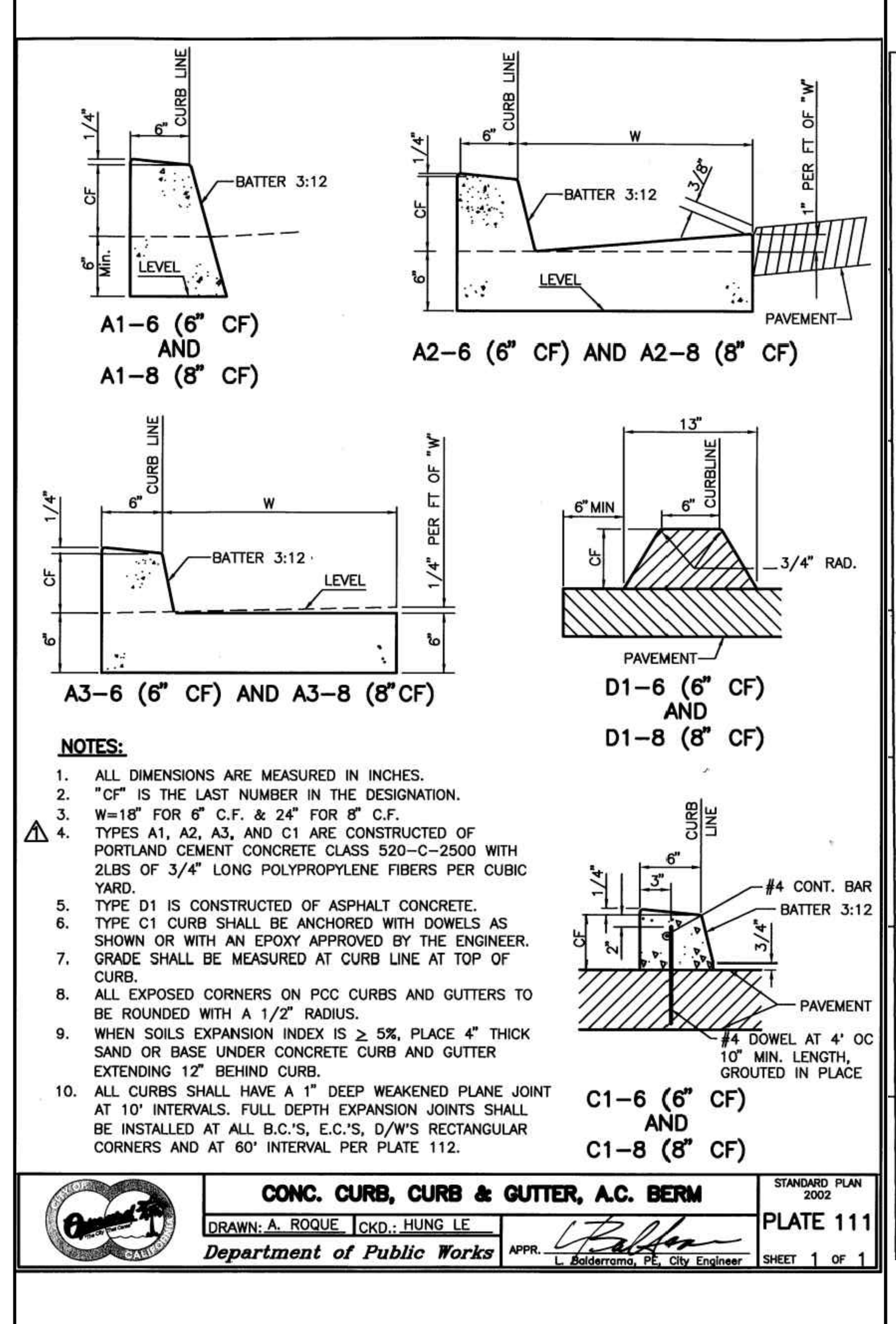


14 SAND PIT CATCH BASIN N.T.S

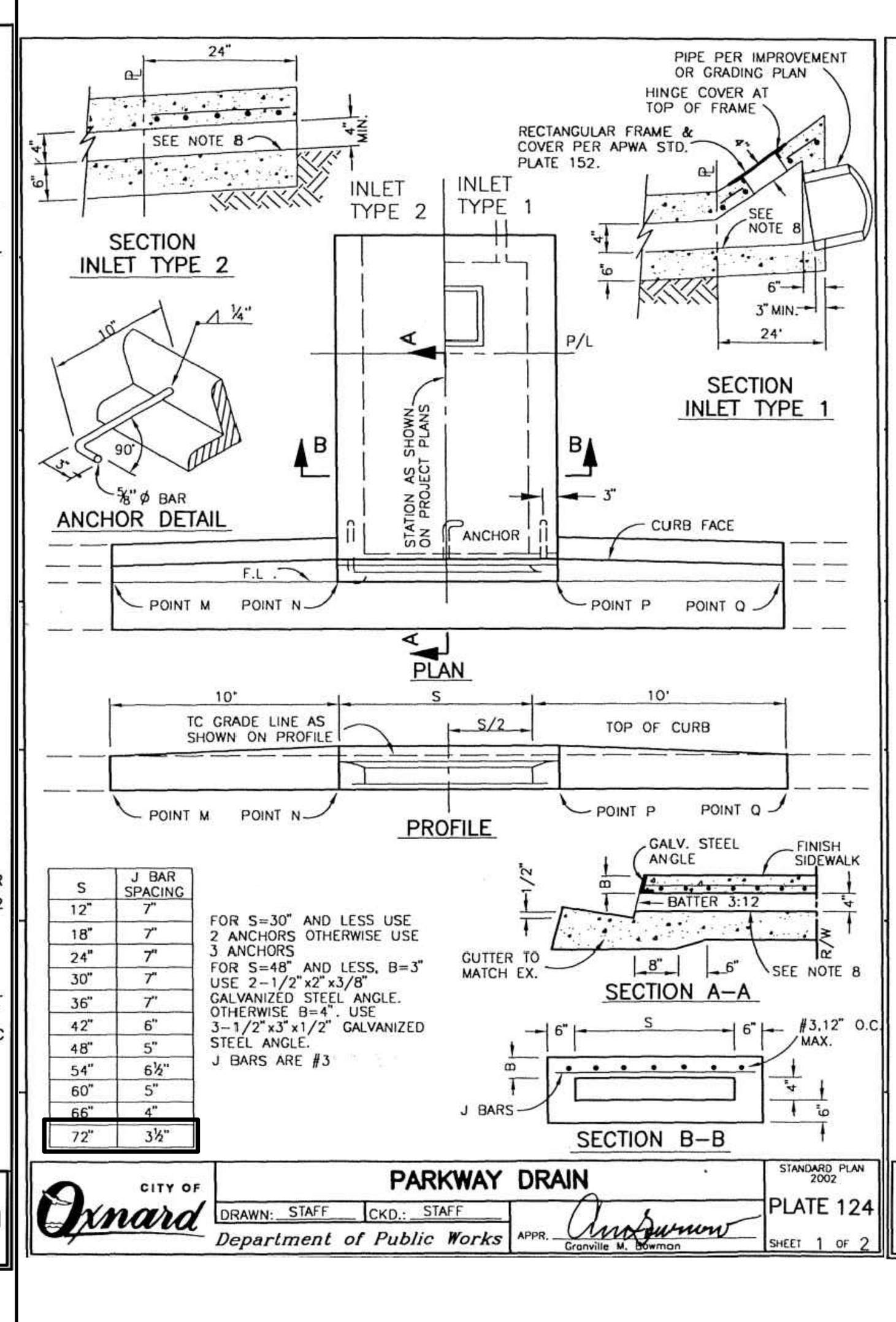


1. NEW GEOMEMBRANE LINER, TO BE PLACED ALONG THE VERTICAL WALLS TO REDUCE LATERAL FLOW. MIN. THICKNESS 30 MILS, SUBMIT CUT SHEET FOR REVIEW AND APPROVAL
2. NEW SPPWC CATCH BASIN PER PLANS AND DETAILS.
3. 6" DIA. SDR35 PERFORATED PIPE EXTENSION W/ WATERTIGHT JOINT, TYP.
4. AUGER 3FT DIA. DRY WELL, TYPICAL. FILL W/ WASHED GRAVEL, 3/4" CRUSHED ROCK.
5. CONTRACTOR TO CORE OPENING AT BOTTOM OF CATCH BASIN ACCOMMODATING 6" DIA. OUTLET PIPE.

15 TEMPORARY BUBBLER/DRYWELL DETAIL N.T.S



16 CURB AND GUTTER (CITY OF OXNARD PLATE 111) N.T.S

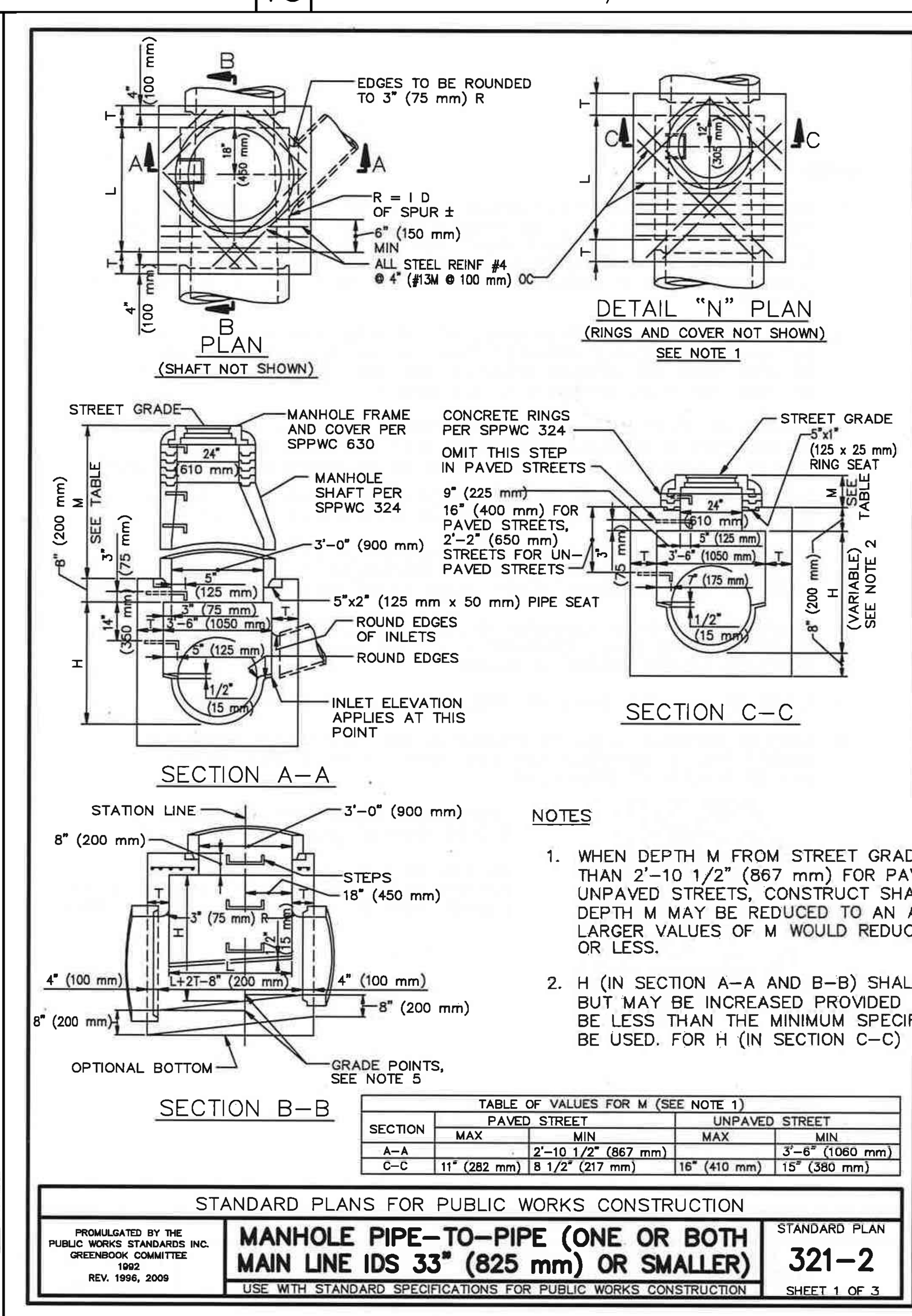


NOTES:

1. FLOOR OF BOX SHALL BE TROWLED SMOOTH.
2. IF THE TOE OF SLOPE IS ALLOWED WITHIN THE R/W, INLET TYPE 1 BEGINS AT THE TOE RATHER THAN AT THE R/W LINE.
3. FOR OPEN DITCH (TYPE 2), THE 24" EXTENSION BEYOND THE R/W LINE IS NOT REQUIRED WHEN BACK OF WALK IS 24" OR MORE FROM THE R/W LINE. HOWEVER, THE PIPE SHALL EXTEND TO THE R/W LINE IN ANY EVENT.
4. TOP OF INLET STRUCTURE (TYPE 1 & 2) SHALL BE FLUSH WITH ADJACENT SURFACE WHERE PRACTICAL.
5. A HEADED STEEL STUD WITH A 3/8" x 6-3/8", 1" HEAD ATTACHED BY A FULL PENETRATION BUTT WELD MAY BE USED AS AN ALTERNATE ANCHOR.
6. NORMAL CURB FACE AT POINT M AND Q. CURB FACE IS B + 5" AT POINT N AND P.
7. THE 3" LEG OF THE 3/8" DIA. ANCHORS SHALL BE PARALLEL TO THE TOP OF SIDEWALK.
8. SLOPE = 2.0%

PARKWAY DRAIN — Oxnard — Department of Public Works — PLATE 124 — SHEET 2 OF 2

17 PARKWAY DRAIN (CITY OF OXNARD PLATE 124, 'S'=72") N.T.S



NOTES

1. WHEN DEPTH M FROM STREET GRADE TO THE TOP OF THE BOX IS LESS THAN 2'-10 1/2" (867 mm) FOR PAVED STREETS OR 3'-6" (1060 mm) FOR UNPAVED STREETS, CONSTRUCT SHAFT PER SECTION C-C AND DETAIL "N". DEPTH M MAY BE REDUCED TO AN ABSOLUTE LIMIT OF 6" (150 mm) WHEN LARGER VALUES OF M WOULD REDUCE H IN SECTION C-C TO 3'-6" (1060 mm) OR LESS.
2. H (IN SECTION A-A AND B-B) SHALL NOT BE LESS THAN 4'-0" (1.2 m), BUT MAY BE INCREASED PROVIDED THAT THE VALUE OF M SHALL NOT BE LESS THAN THE MINIMUM SPECIFIED AND THAT THE REDUCER SHALL BE USED. FOR H (IN SECTION C-C) SEE NOTE 1.

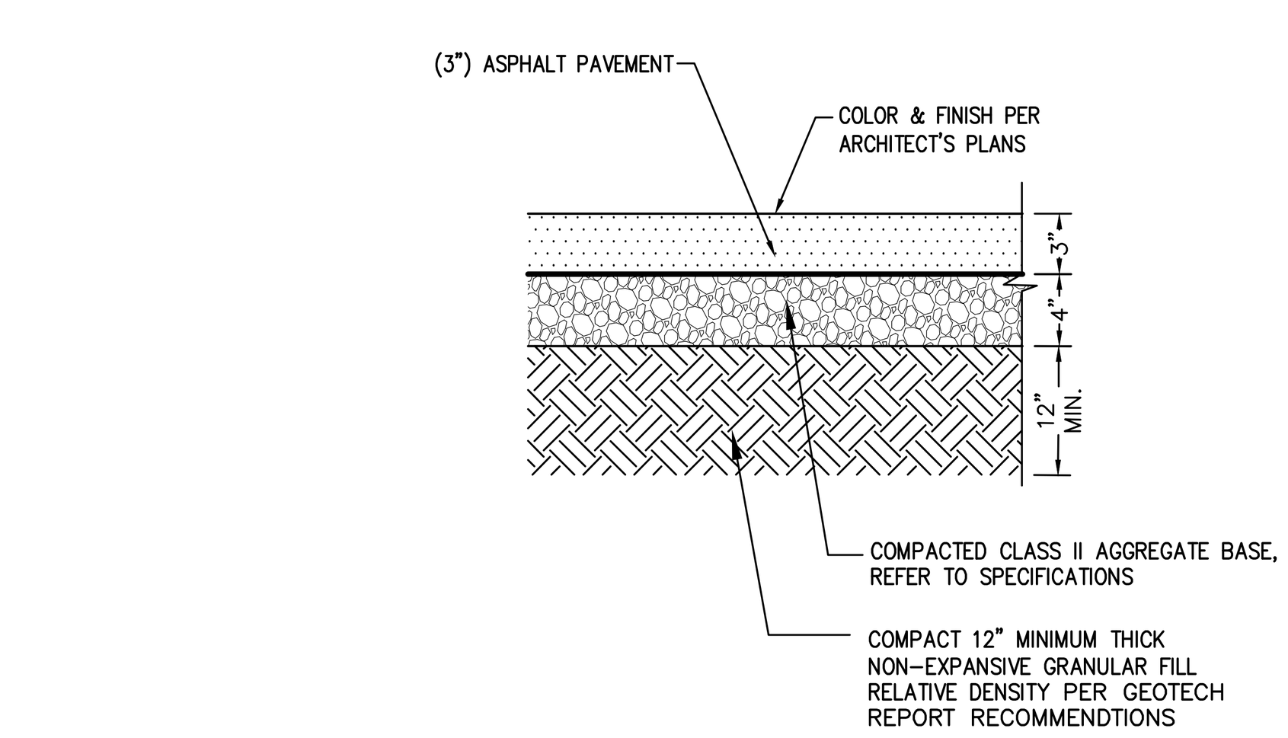
TABLE OF VALUES FOR M (SEE NOTE 1)

SECTION	PAVED STREET MAX	PAVED STREET MIN	UNPAVED STREET MAX	UNPAVED STREET MIN
A-A		2'-10 1/2" (867 mm)		3'-6" (1060 mm)
C-C	11" (282 mm)	8 1/2" (217 mm)	16" (410 mm)	15" (380 mm)

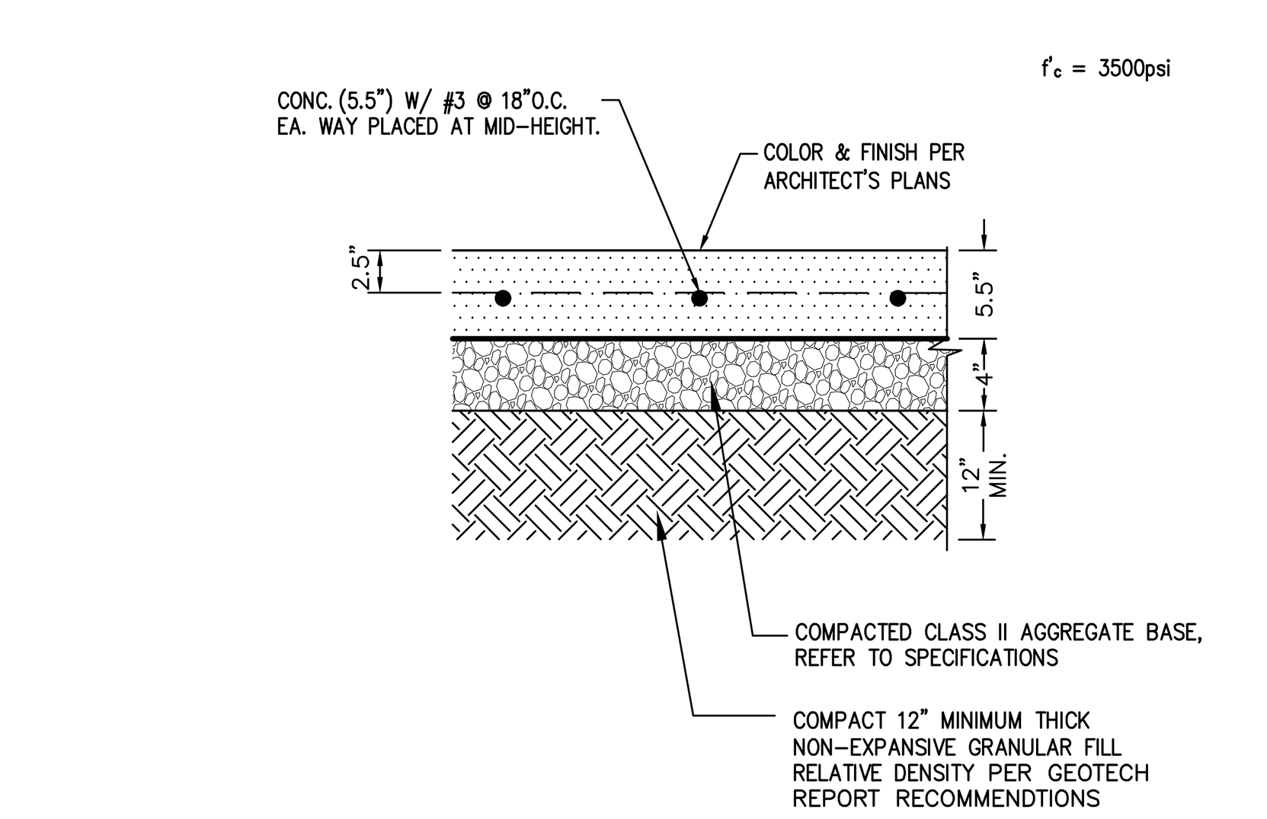
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

MANHOLE PIPE-TO-PIPE (ONE OR BOTH MAIN LINE IDS 33" (825 mm) OR SMALLER) — STANDARD PLAN 321-2 — SHEET 1 OF 3

18 MANHOLE PIPE TO PIPE N.T.S



19 ASPHALT PAVEMENT N.T.S



20 HEAVY DUTY CONCRETE PAVEMENT N.T.S

AGENCY REVIEW

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DIV. OF THE STATE ARCHITECT
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DATE: 09/23/19

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T: 949.698.1400
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CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W BARD RD, OXNARD, CA. 93033

CONSULTANT

SEAL

ISSUE FOR

DSA SUBMITTAL

ISSUE DATE

09/23/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE: BB

PROJECT MANAGER: BB

DESIGN TEAM: SA, ML, VS, AT

PROJECT NAME

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

PROJECT NO.

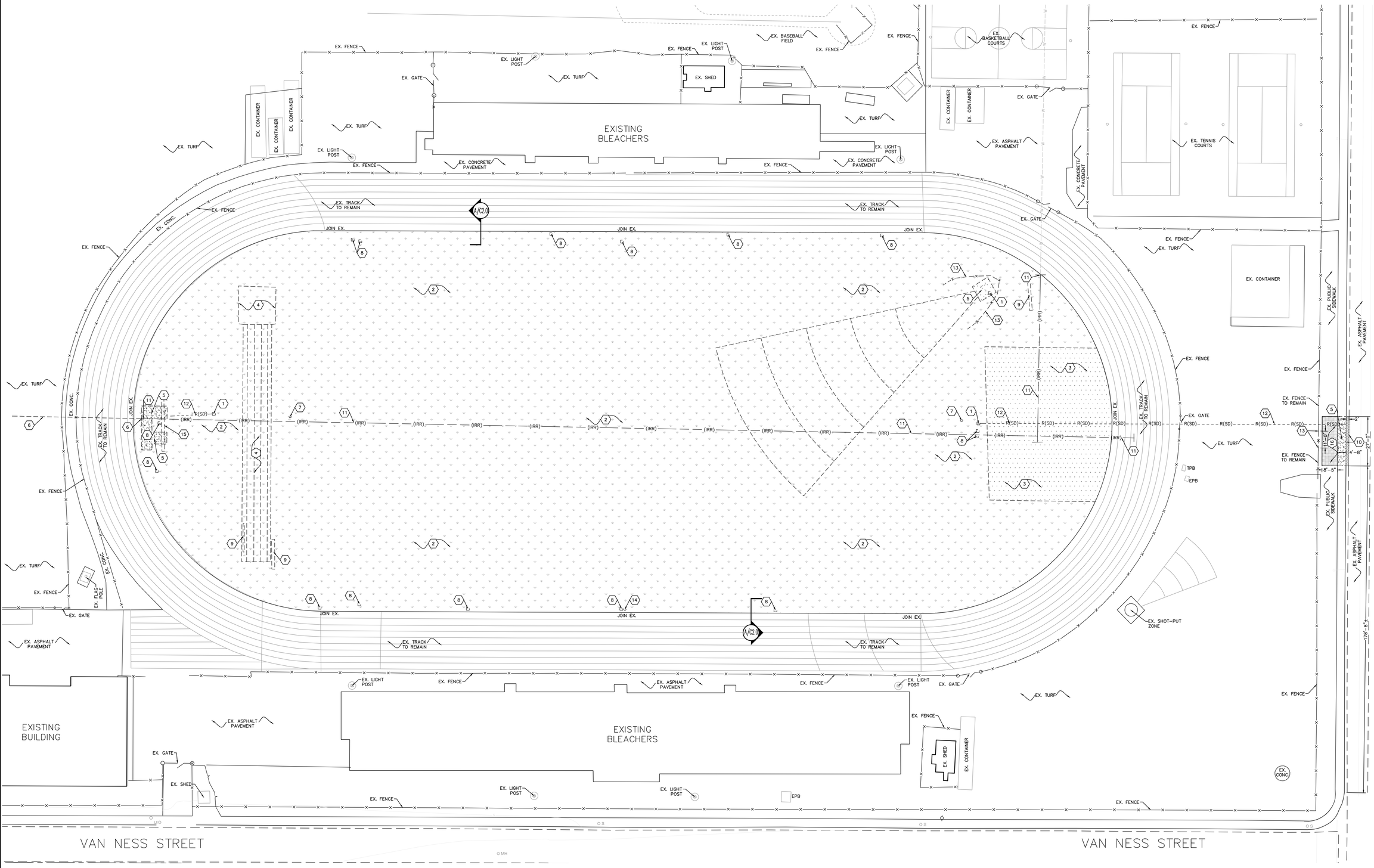
6121235302

SHEET TITLE

ADDITIONAL DETAILS

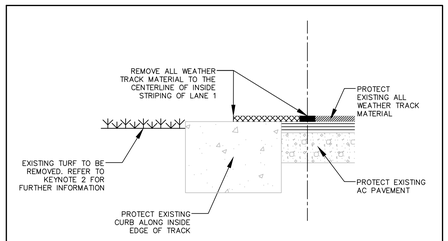
SHEET NUMBER

C1.1



DEMOLITION KEYNOTES:

1	REMOVE EXISTING STORM DRAIN INLET AND LATERAL AND CAP THE CONNECTION POINT AT THE MAIN (PIPING).	7	REMOVE EXISTING POST AND FOOTING.	14	REMOVE EXISTING ELECTRICAL PEDESTAL AND ALL ASSOCIATED CONDUITS. (REFER TO ELECTRICAL PLANS FOR EXACT SCOPE OF WORK)
2	REMOVE EXISTING VEGETATION, CONCRETE STRUCTURES, PULLBOXES, VAULTS, DIRT AND SAND AREAS WITHIN THE GIVEN VICINITY. IRRIGATION AND CONTROL VALVES NO LONGER IN USE TO BE REMOVED INCLUDING HEADS, LATERAL LINES, MAINLINES, AND ASSOCIATED BOXES AND WIRES PER IRRIGATION PLAN. SEE IRRIGATION PLAN FOR RELATED WORK.	8	REMOVE EXISTING IRRIGATION VALVE, BOX, CONTROL VALVE, AND PIPE AS OCCURS.	15	REMOVE EXISTING SCOREBOARD AND ALL ASSOCIATED FOOTING
3	REMOVE EXISTING TRACK SURFACING.	9	REMOVE EXISTING BLEACHER BENCHES.	16	REMOVE AND DISPOSE EXISTING PLANTING AND IRRIGATION IN THESE AREAS. CUT AND CAP EXISTING MAINLINE WHERE OCCURS, ENSURE THAT REST OF SYSTEM REMAINS FULLY OPERABLE.
4	REMOVE EXISTING JUMP EVENT INCLUDING ALL WEATHER MATERIAL AND SAND PITS, WHERE OCCURS.	10	SAWCUT AND REMOVE EXISTING FULL DEPTH ASPHALT TO THE TOP OF THE BASE LAYER.		
5	SAWCUT AND REMOVE EXISTING CONCRETE PAVEMENT, BASE & SUBGRADE AS NEEDED TO CONSTRUCT THE NEW IMPROVEMENTS AS SHOWN ON SHEET C3.0.	11	REMOVE EXISTING IRRIGATION PIPE.		
6	ABANDON EXISTING IRRIGATION LINE.	12	REMOVE EXISTING STORM DRAIN PIPE & ASSOCAITED FITTINGS.		
		13	REMOVE EXISTING FENCE.		



DEMOLITION SECTION A

NOTES:

1. FOR DEMOLITION AT EDGE OF EXISTING TRACK AND EXISTING TURF REFER TO SECTION DETAIL "A/C2.0."

LEGEND:

EX. STORM DRAIN	(SD)
EX. GAS	(G)
EX. ELECTRIC	(E)
EX. WATER	(W)
EX. SEWER	(S)
EX. RECLAIMED WATER	(RW)
REMOVE STORM DRAIN	R(SD)
ABANDON IRRIGATION	
REMOVE SEWER	R(S)
NEW STORM DRAIN	SD
REMOVE IRRIGATION	(IRR)

NORTH

SCALE=1"=20'

0 20 40 60

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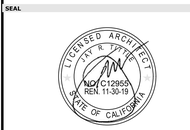

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PROJECT NO.
6121235302

SHEET TITLE
DEMOLITION PLAN

SHEET NUMBER
C2.0

EXCERPTS FROM SOILS REPORT

GEOTECHNICAL RECOMMENDATIONS FOR FIELD AND TRACK SURFACE IMPROVEMENTS

All proposed grading should conform to the 2016 California Building Code.

Plans and specifications should be provided to Earth Systems prior to grading. Plans should include the grading plans, drainage plans, and applicable details.

The existing ground surface should be initially prepared for grading by removing all grass and vegetation, large roots, debris, other organic material, and non-complying fill. Organics and debris should be stockpiled away from areas to be graded, and ultimately removed from the site to prevent their inclusion in fills. Voids created by removal of such material should be properly backfilled and compacted. No compacted fill should be placed unless the underlying soil has been observed by the Geotechnical Engineer.

Proposed areas of athletic field improvements or areas to receive fill should be overexcavated to a depth of one foot. The resulting surface should then be scarified an additional 6 inches, moisture conditioned, and recompacted. This will result in at least 12 inches of compacted fill below the flat panel drains, and 18 inches of compacted fill below the areas between the drains. Compaction should be verified to be a minimum of 90% of the maximum dry density obtained by the ASTM D 1557 test method.

Proposed areas of track surface replacements (and underlying asphaltic concrete pavement), exterior slabs-on-grade, or sidewalks should be overexcavated to a depth of one foot. The resulting surface should then be scarified an additional 6 inches, moisture conditioned, and recompacted. Compaction should be verified to be a minimum of 95% of the maximum dry density obtained by the ASTM D 1557 test method.

Once subgrade elevations are achieved and flat panel drains are installed, a permeable filter fabric, such as Mirafi 140N, should be placed over the subgrade soils and panel drains. Permeable base should be placed over the filter fabric and compacted to a minimum of 95% of the maximum dry density obtained by the ASTM D 1557 test method.

The bottoms of all excavations should be observed by a representative of this firm prior to processing or placing fill.

On-site soils may be used for fill once they are cleaned of all organic material, rock, debris, and irreducible material larger than 8 inches.

Fill and backfill should be placed at, or slightly above optimum moisture in layers with loose thickness not greater than 8 inches.

Shrinkage of soils affected by compaction is estimated to be about 10 percent based on an anticipated average compaction of 92 percent. Shrinkage from removal of any existing subsurface structures is not included in these figures.

Utility trench backfill should be governed by the provisions of this report relating to minimum compaction standards. In general, on-site service lines may be backfilled with native soils compacted to 90 percent of the maximum dry density. Backfill of offsite service lines will be subject to the specifications of the jurisdictional agency or this report, whichever are greater.

Compaction tests shall be made to determine the relative compaction of the fills, subgrade soils, and utility trench backfills in accordance with the following minimum guidelines: one test for each two-foot vertical lift, one test for each 1,000 cubic yards of material placed, one test per two-foot vertical lift per 250 lineal feet of utility trench backfill, and four tests at finished subgrade elevation of each field.

It is recommended that Earth Systems be retained to provide Geotechnical Engineering services during the site development, drain installation, and grading phases of the work to observe compliance with the design concepts, specifications and recommendations, and to allow design changes in the event that subsurface conditions differ from those anticipated prior to the start of construction.

GRADING RECOMMENDATIONS FOR BUILDINGS, ENTRY GATES, AND PAVEMENTS

Grading at a minimum should conform to the 2016 California Building Code.

The existing ground surface should be initially prepared for grading by removing all vegetation, trees, large roots, debris, other organic material and non-complying fill. Organics and debris should be stockpiled away from areas to be graded, and ultimately removed from the site to prevent their inclusion in fills. Voids created by removal of such material should be properly

backfilled and compacted. No compacted fill should be placed unless the underlying soil has been observed by the Geotechnical Engineer.

Overexcavation and recompaction of soils in the building area will be necessary to decrease the potential for differential settlement and provide more uniform bearing conditions. Soils should be overexcavated to a depth of 4.5 feet below finished subgrade elevation throughout the entire building area, and to a distance of 5 feet beyond the perimeter of each building. The resulting surface should then be scarified an additional 6 inches, moisture conditioned, and recompacted to at least 90 percent of the maximum dry density. The intent of these recommendations is to have a minimum of 5 feet of compacted soil below the building.

Overexcavation and recompaction of soils under and around pier footings for the entry gates will also be necessary. Soils should be overexcavated to a depth of 4.5 feet below finished subgrade elevation, and to a distance of 3 feet on either side of the footing edges. The resulting surface should then be scarified an additional 6 inches, moisture conditioned, and recompacted to at least 90 percent of the maximum dry density.

Areas outside of the building area to receive fill, exterior slabs-on-grade, sidewalks, or paving should be overexcavated to a depth of 1.5 feet below finished subgrade elevation. The resulting surface should then be scarified an additional 6 inches, moisture conditioned, and recompacted. Because the expansion index of on-site soils is in the "very low" range, no aggregate base will be required below sidewalks. (Recommendations for structural paving sections for pavements subjected to vehicular traffic are provided elsewhere in this report.)

The bottoms of all excavations should be observed by a representative of this firm prior to processing or placing fill.

On-site soils may be used for fill once they are cleaned of all organic material, rock, debris, and irreducible material larger than 8 inches.

Fill and backfill should be placed at, or slightly above optimum moisture in layers with loose thickness not greater than 8 inches. Each layer should be compacted to a minimum of 90 percent of the maximum dry density obtainable by the ASTM D 1557 test method. The upper one foot of subgrade below areas to be paved should be compacted to a minimum of 95 percent of the maximum dry density.

Import soils used to raise site grade should be equal to, or better than, on-site soils in strength, expansion, and compressibility characteristics. Import soil can be evaluated, but will not be prequalified by the Geotechnical Engineer. Final comments on the characteristics of the import will be given after the material is at the project site.

If pumping soils or otherwise unstable soils are encountered during the overexcavation, stabilization of the excavation bottom will be required prior to placing fill. This can be accomplished by various means. The first method would include drying the soils as much as possible through scarification, and working thin lifts of "6-inch minus" crushed angular rock into the excavation bottom with small equipment (such as a D-4) until stabilization is achieved. Use of a geotextile fabric such as Mirafi 500X, or Tensar TX-160, or an approved equivalent, is another possible means of stabilizing the bottom. If this material is used, it should be laid on the excavation bottom and covered with approximately 12 inches of "3-inch minus" crushed angular rock prior to placement of filter fabric (until the bottom is stabilized). The rock should then be covered with a geotextile filter fabric before placing fill above. It is anticipated that stabilization will probably be necessary due to the existing high moistures of the soils, and due to the shallow groundwater depth. Unit prices should be obtained from the Contractor in advance for this work.

Utility trench backfill should be governed by the provisions of this report relating to minimum compaction standards. In general, on-site service lines may be backfilled with native soils compacted to 90 percent of the maximum dry density. Backfill of offsite service lines will be subject to the specifications of the approved project plans or this report, whichever are greater.

Utility trenches running parallel to footings should be located at least 5 feet outside the footing line, or above a 2:1 (horizontal to vertical) projection downward from a point 9 inches above the outside edge of the bottom of the footing.

Compacted native soils should be utilized for backfill below structures. Sand should not be used under structures because it provides a conduit for water to migrate under foundations.

Backfill operations should be observed and tested by the Geotechnical Engineer to monitor compliance with these recommendations.

Differential settlement between adjacent load bearing members should be expected to range up to about one-half the total settlement.

DESIGN VALUES FOR FENCEPOST PIER FOOTINGS IN NON-COMPACTED AREAS

Pier footings to support fence posts that are drilled into native soils may be designed for passive pressures of 100 psf per foot below natural grade. This value is based on presumptive parameters provided in the California Building Code for clay soils.

PRELIMINARY ASPHALT PAVING SECTIONS FOR VEHICULAR PAVEMENTS

Assuming a Traffic Index of 5 for areas to be used for parking stalls and other light vehicular duty uses, and using the measured R-Value of 64, paving sections should have a minimum gravel equivalent of 0.58 feet. This can be achieved by using 3 inches of asphaltic concrete on 4 inches of Processed Miscellaneous Base (PMB) compacted to a minimum of 95 percent of the maximum dry density on subgrade soils compacted to a minimum of 95 percent of the maximum dry density.

For fire lanes or drive lanes in new pavement areas with an assumed Traffic Index of 6.5, paving sections should have a minimum gravel equivalent of -/-85 feet. This can be achieved by using 3 inches of asphaltic concrete on 5 inches of Processed Miscellaneous Base (PMB) compacted to a minimum of 95 percent of the maximum dry density on subgrade soils compacted to a minimum of 95 percent of the maximum dry density.

The preliminary paving sections provided above have been designed for the type of traffic indicated. If the pavement is placed before construction on the project is complete, construction loads, which could increase the Traffic Indices above those assumed above, should be taken into account.

PRELIMINARY CONCRETE PAVING SECTIONS

Concrete paving sections provided below have been based on an assumed design life of 20 years and have been calculated for the measured R-Value of 64 (approximately equivalent to a coefficient of subgrade reaction of k = 240 pounds per cubic inch) using design methods presented by the American Concrete Institute (ACI 330R-87). For an assumed Traffic Index of 5

(for light traffic with the heaviest vehicles limited to UPS type trucks), the following minimum unreinforced paving section was determined:

1. Concrete thickness = 4.5 inches
2. Aggregate base thickness under concrete = 4 inches
3. Compressive strength of concrete, fc = 3,500 psi at 28 days
4. Modulus of flexural strength of 3,500 psi concrete = 530 psi
5. Maximum spacing of contraction joints, each way= 11 feet

For an assumed Traffic Index of 6.5 (for traffic that includes fire trucks), the following minimum unreinforced paving section was determined:

1. Concrete thickness = 5.5 inches
2. Aggregate base thickness under concrete = 4 inches
3. Compressive strength of concrete, fc = 3,500 psi at 28 days
4. Modulus of flexural strength of 3,500 psi concrete = 530 psi
5. Maximum spacing of contraction joints, each way= 13.5 feet

If additional resistance to cracking is desired beyond that provided by the contraction joints, steel reinforcement can be added to the pavement section at approximately two inches below the top of concrete; however, reinforcement is not required.

ADDITIONAL SERVICES

This report is based on the assumption that an adequate program of monitoring and testing will be performed by Earth Systems during construction to check compliance with the recommendations given in this report. The recommended tests and observations include, but are not necessarily limited to the following:

1. Review of the grading plans during the design phase of the project.
2. Observation and testing during site preparation, grading, placing of subdrainage systems and engineered fill, and permeable base.
3. Consultation as required during construction.

LIMITATIONS AND UNIFORMITY OF CONDITIONS

The analysis and recommendations submitted in this report are based in part upon the data obtained from the borings drilled on the site. The nature and extent of variations between and

CONSTRUCTION KEYNOTES (FURNISH & INSTALL):

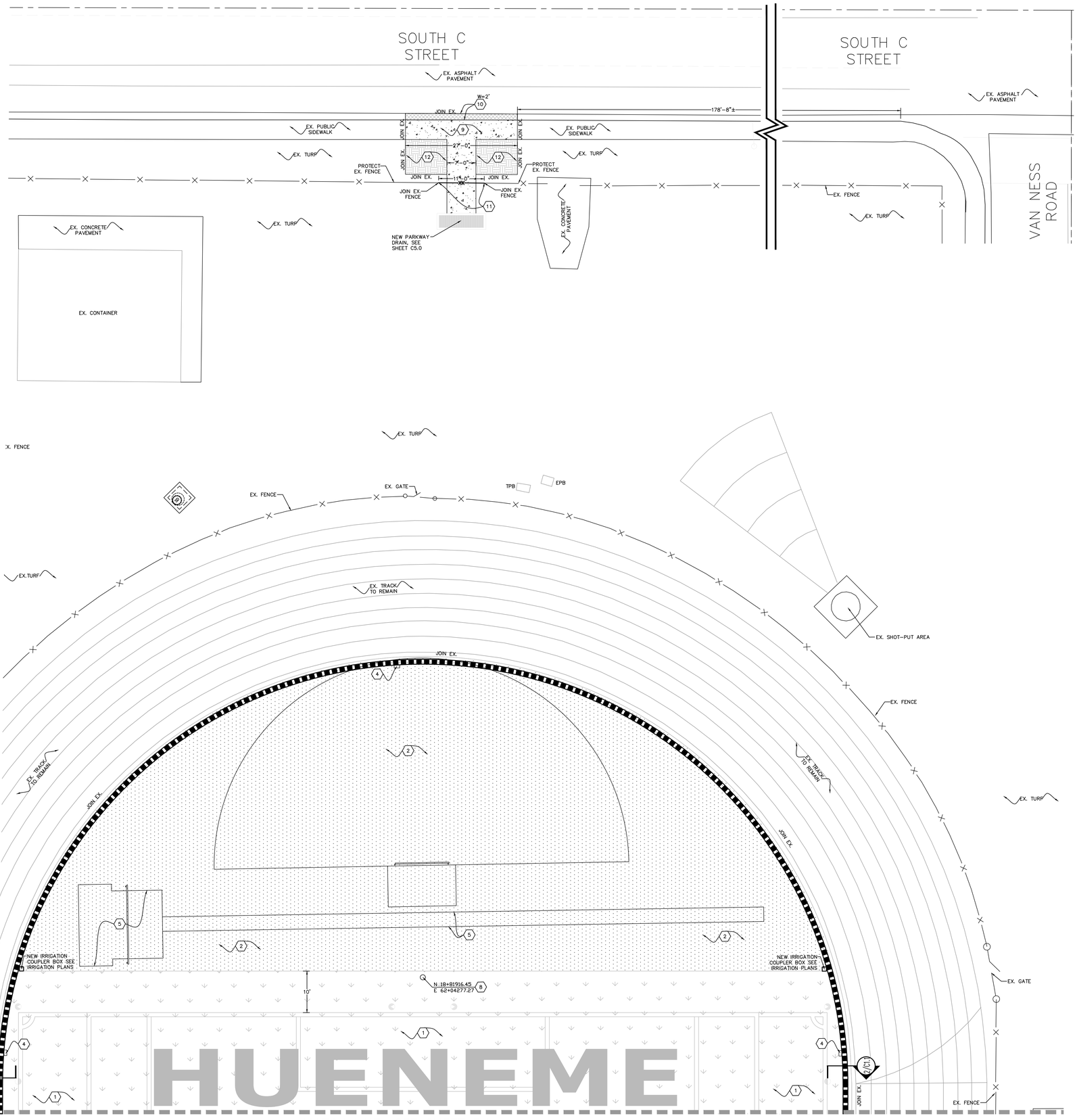
1	SYNTHETIC TURF – (FIELDTURF COOLPLAY PRODUCT)	4/C1.1	6	LONG/TRIPLE JUMP (REFER TO ARCHITECTURAL PLANS)	
2	ASPHALT PAVING WITH ALL-WEATHER TRACK SURFACING	1/C1.1, 5/C1.1	7	SCOREBOARD (REFER TO ARCHITECTURAL PLANS)	
			8	NEW GOAL POST (REFER TO ARCHITECTURAL PLANS)	
3	SAND (REFER TO ARCHITECTURAL PLANS)		9	NEW CONCRETE PAVEMENT, MATCH ADJOINING SECTION LIKE FOR LIKE. REFER TO DETAIL FOR CURB AND GUTTER REPLACEMENT.	18/C1.1
			10	NEW FULL DEPTH A.C. PAVEMENT. MATCH EXISTING A.C. PAVEMENT SECTION LIKE FOR LIKE.	
4	ELECTRICAL JUNCTION BOX WITH ALL WEATHER TRACK MATERIAL LID (REFER TO ELECTRICAL PLANS), MATCHING TYPE, COLOR & MODEL OF EXISTING TRACK SURFACE. CONTRACTOR SHALL CONTACT BEYNON REP. FOR INFO. & SUBMIT CUT-SHEETS FOR REVIEW.		11	NEW FENCE, MATCH ADJOINING POST SPACING, MATERIAL, AND HEIGHT, LIKE FOR LIKE. REFER TO ARCHITECTURAL PLANS FOR POST EMBEDMENT DETAIL)	
5	HIGH JUMP (REFER TO ARCHITECTURAL PLANS)		12	NEW LANDSCAPING, MATCH ADJOINING LIKE FOR LIKE.	

LEGEND:

	TRACK TRENCH DRAIN
PDCO	PERFORATED DRAIN CLEANOUT AT SYNTHETIC TURF
SPCB	SAND PIT CATCH BASIN
JB	JUNCTION BOX
	GRATE INLET CATCH BASIN
	STORM DRAIN MANHOLE

NOTES:

1. REFER TO ARCHITECTURAL PLANS FOR FENCING, GATE, STRIPING AND SIGNAGE.



NORTH

SCALE=1"=10'

0 10 20 30

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CONSULTANT

REGISTERED PROFESSIONAL ENGINEER BARBARA BET GOVAREZ C 81751 EXP 3-31-20 STATE OF CALIFORNIA CIVIL

SEAL

LICENSED ARCHITECT JAY R. LITTLE No. C12950 REN. 11-30-19 STATE OF CALIFORNIA

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PROJECT NO.
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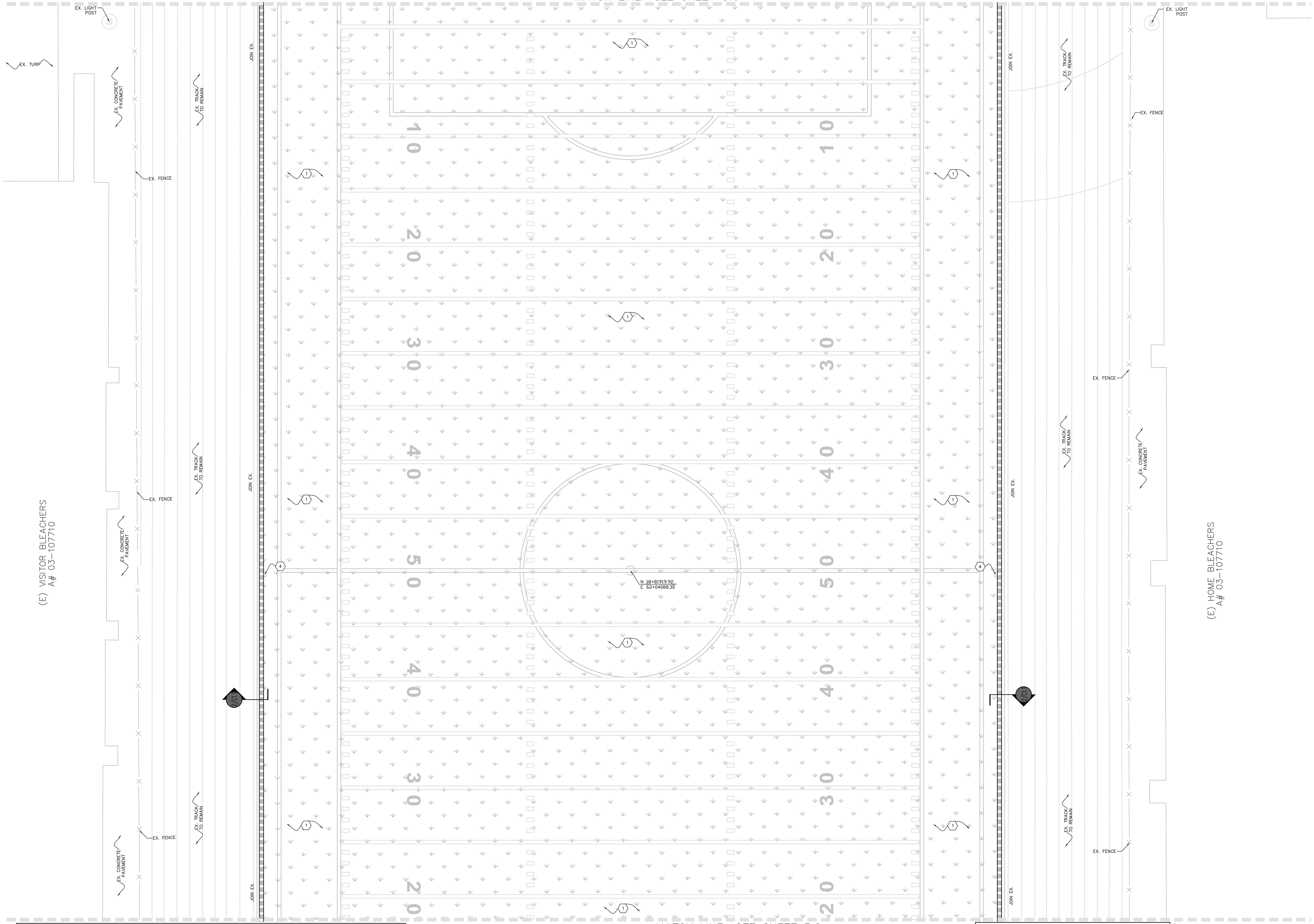
SHEET NUMBER
C3.0



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NORTH

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0 10 20 30

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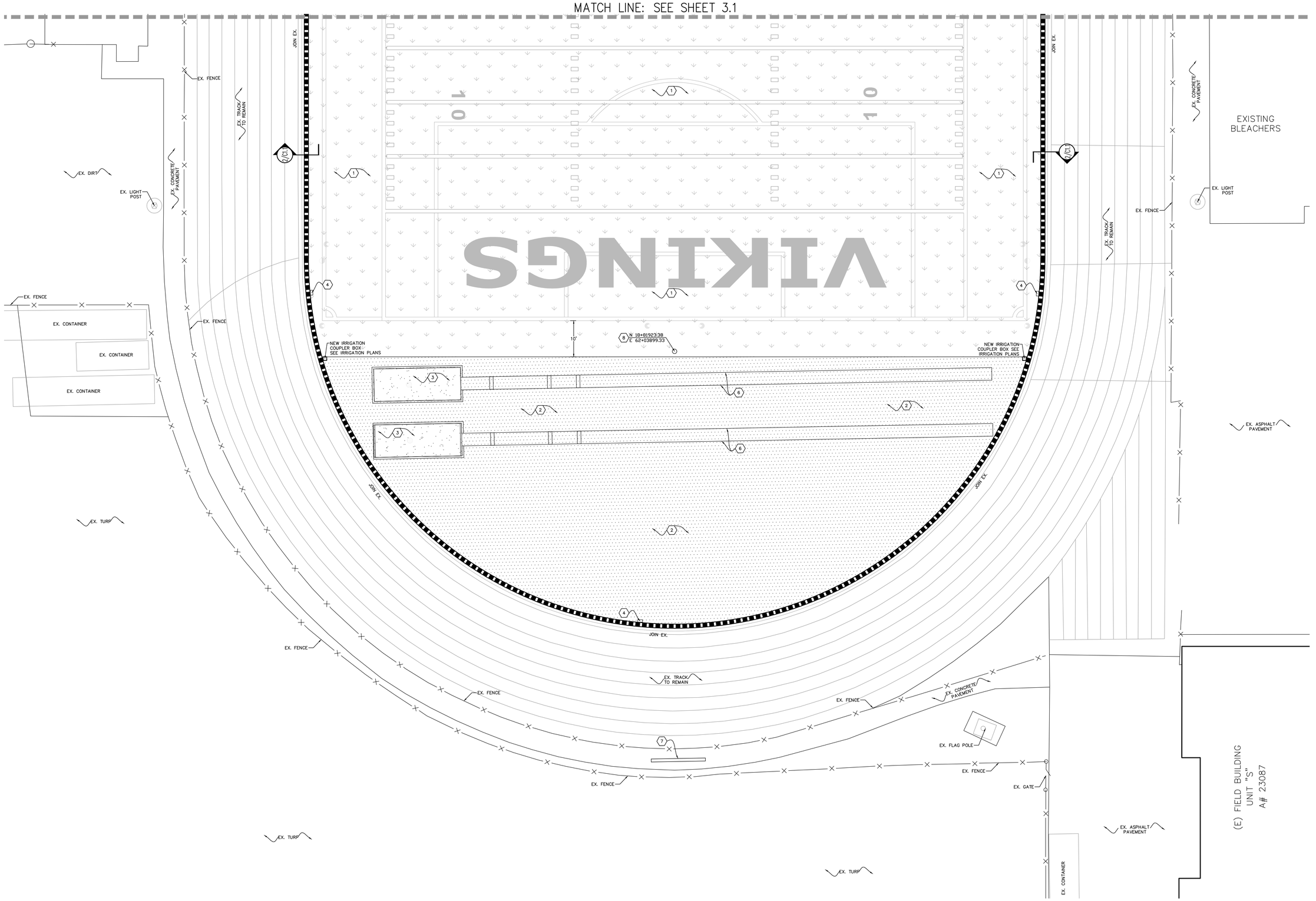
C3.1

MATCH LINE: SEE SHEET 3.1



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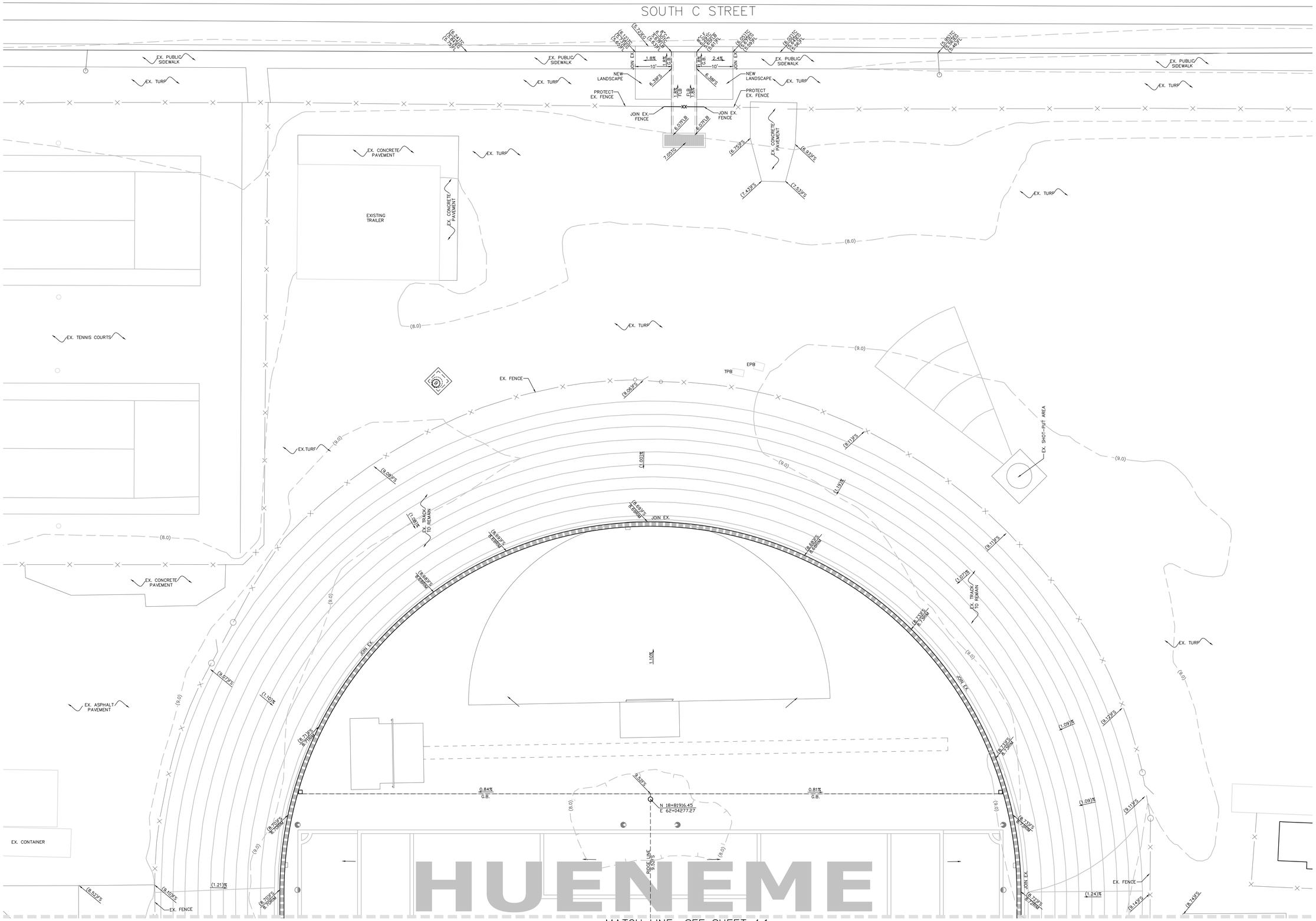

MATCH LINE: SEE SHEET 4.1

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09/23/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM
PRINCIPAL IN CHARGE
BB
PROJECT MANAGER
BB
DESIGN TEAM
SA, ML, VS, AT

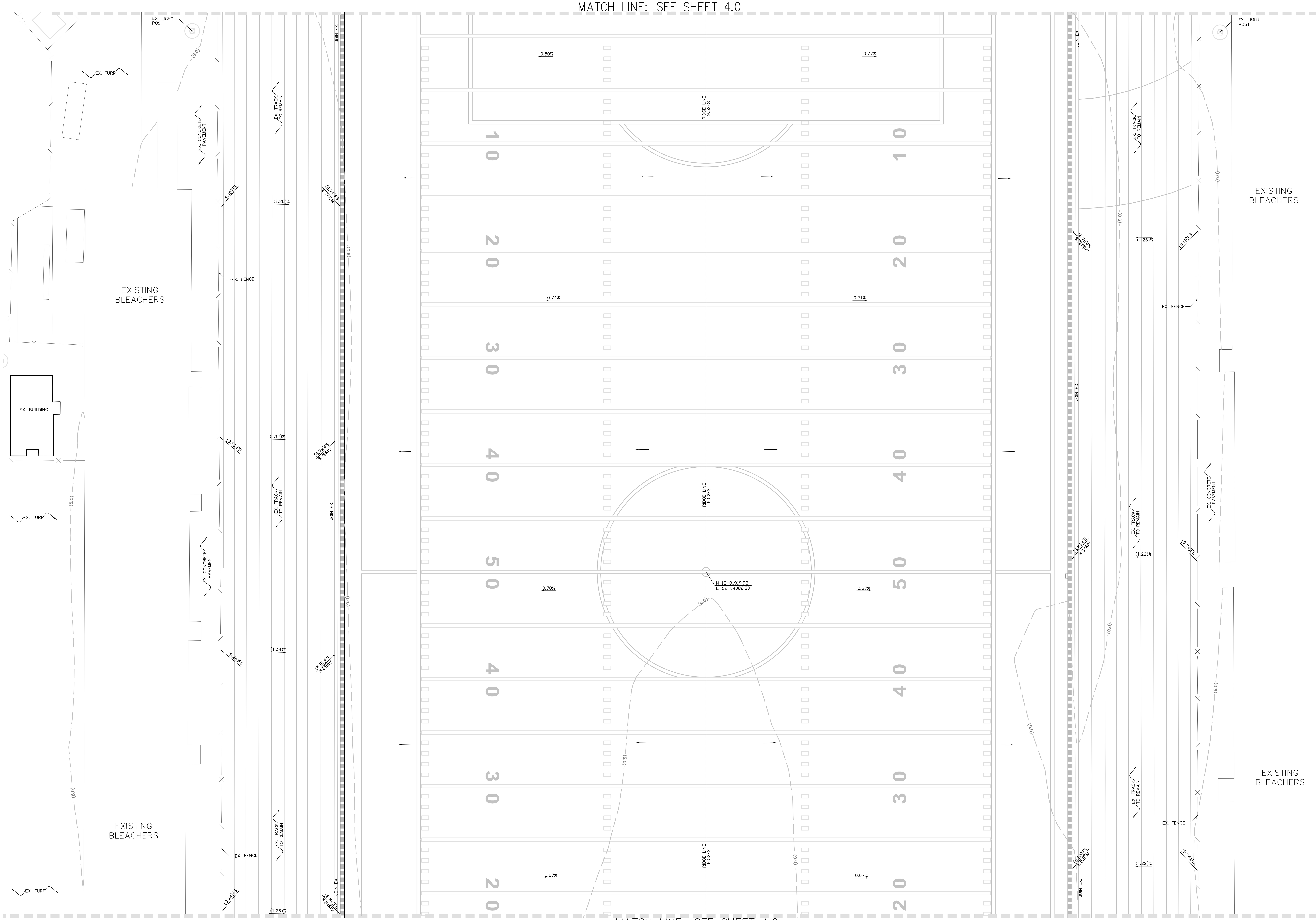
PROJECT NAME
HUENEME HIGH
SCHOOL TRACK & FIELD
IMPROVEMENTS - INC 1

PROJECT NO.
6121235302

SHEET TITLE
GRADING PLAN

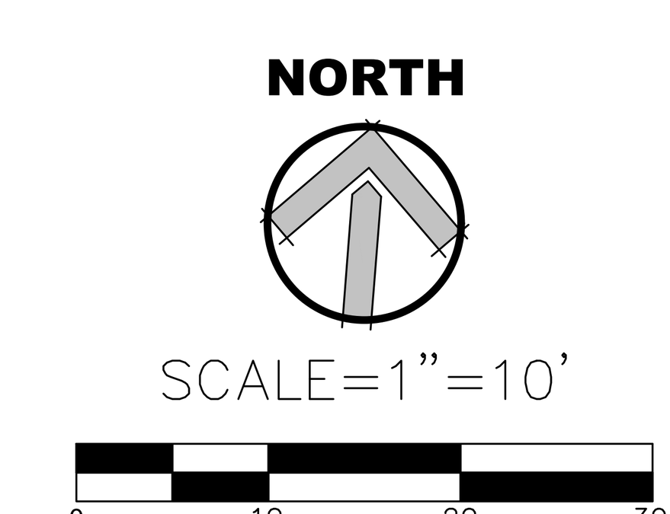
SHEET NUMBER
C4.0

MATCH LINE: SEE SHEET 4.0



MATCH LINE: SEE SHEET 4.2

EXISTING CONTOURS, PROVIDED BY ARMSTRONG & BROOKS CONSULTING ENGINEERS, INC., ARE GENERATED BY AERIAL TOPO SURVEY, NOT FOOT SURVEY.



AGENCY REVIEW

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LITTLE™
DIVERSIFIED ARCHITECTURAL CONSULTING

1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400

www.littleonline.com

CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W BARD RD, OXNARD, CA. 93033

CONSULTANT

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SHEET TITLE

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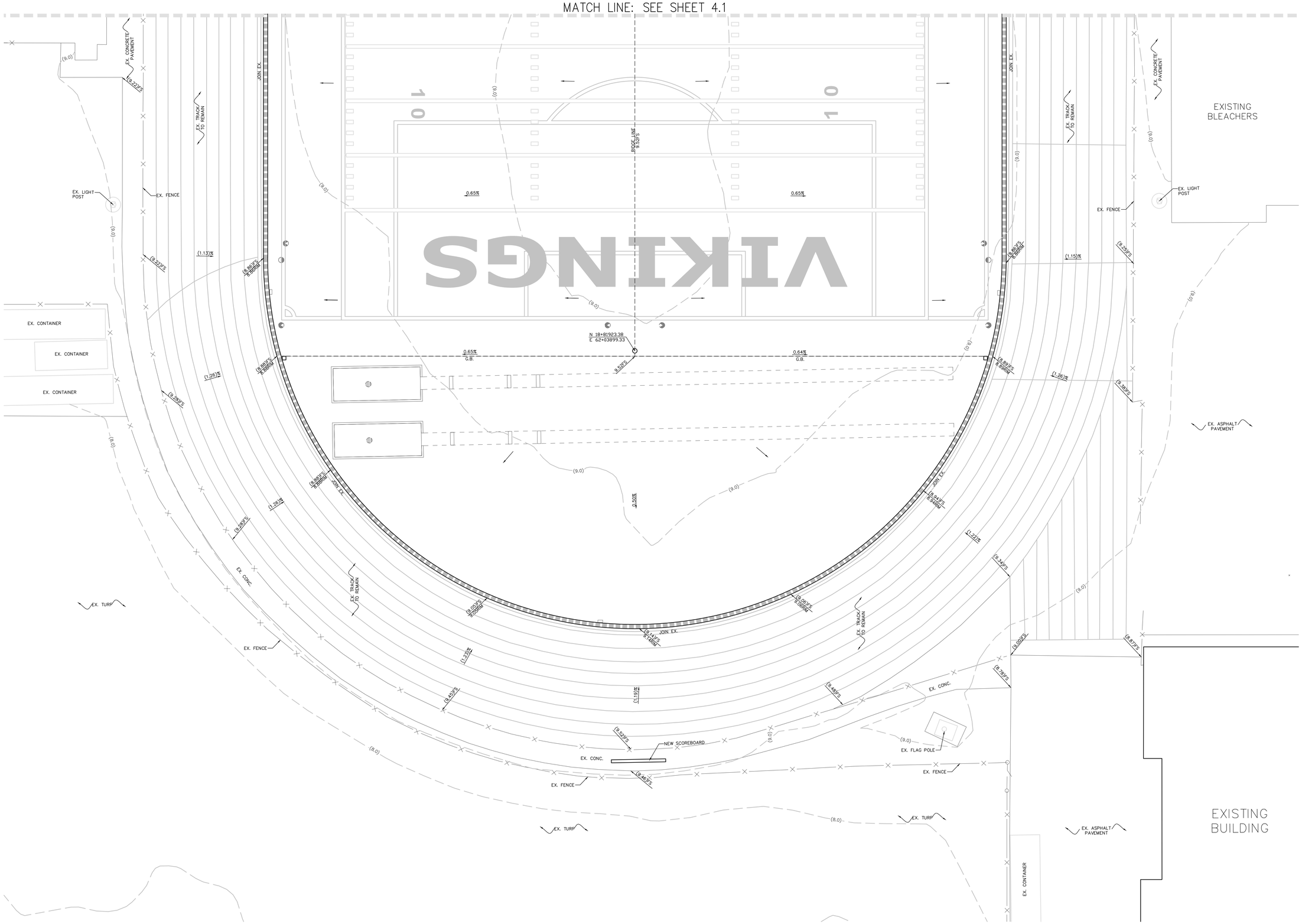
MATCH LINE: SEE SHEET 4.1



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NORTH

SCALE=1"=10'

0 10 20 30

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CONSULTANT

REGISTERED PROFESSIONAL ENGINEER BASSAM "BET" GOVARGUZ C 81751 EXP 3-31-20 CIVIL STATE OF CALIFORNIA

SEAL

LICENSED ARCHITECT JAY R. LITTLE No. C12955 REN. 11-30-19 STATE OF CALIFORNIA

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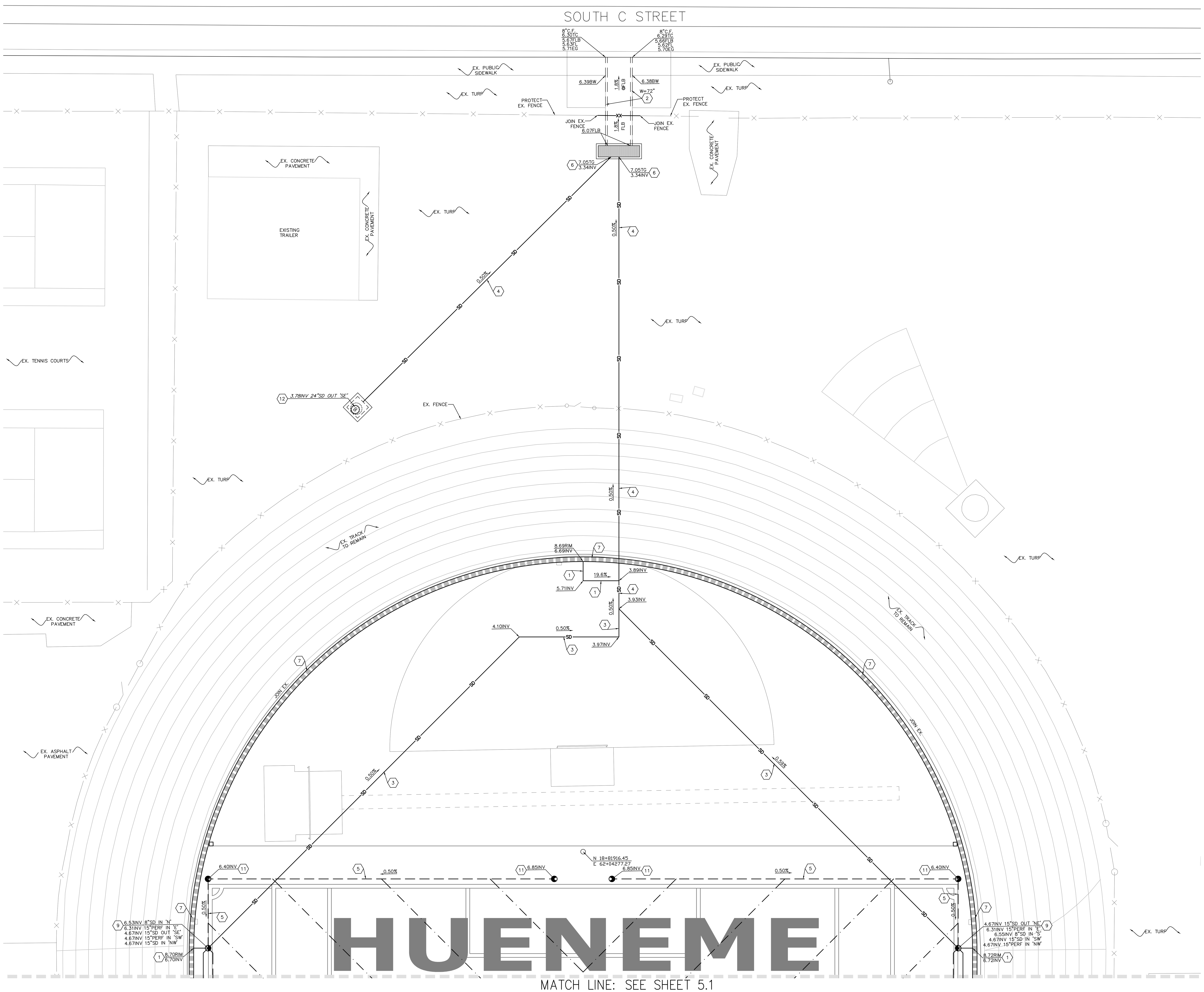

STORM DRAIN LEGEND:

Symbol	Description
SD	SOLID STORM DRAIN PIPE
	PERFORATED STORM DRAIN PIPE
	TRACK TRENCH DRAIN
	FLAT PANEL DRAIN
PDCO	PERFORATED DRAIN CLEANOUT AT SYNTHETIC TURF
SPCB	SAND PIT CATCH BASIN
JB	JUNCTION BOX
	CHECK VALVE
	GRATE INLET CATCH BASIN
	STORM DRAIN MANHOLE

STORM DRAIN KEYNOTES:

No.	Keynote	Detail
1	NEW 8" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS TYP.	
2	PARKWAY DRAIN PER CITY OF OXNARD PLATE 124. SEE DETAIL FOR 'S' DIMENSION.	17/C1.1
3	NEW 15" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS TYP.	
4	NEW 24" HDPE STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS TYP.	
5	NEW 15" HDPE PERFORATED STORM DRAIN PIPE, ADS N-12 WITH WATER-TIGHT JOINTS TYP.	
6	NEW SPPWC GRATING CATCH BASIN-ALLEY (TRANSVERSE) PER STANDARD PLAN NO. 305-3. INSTALL 6" DRYWELL WITH 2 GRATES AND 3 ADDITIONAL PER DETAIL '15/C1.1' SLOPE BOTTOM OF CATCH BASIN TO 6" DIAMETER DRYWELL OPENING.	15/C1.1
7	NEW TRACK TRENCH DRAIN	2/C1.1
8	NEW FLAT PANEL DRAIN	6/C1.1
9	NEW JUNCTION BOX (JB)	9/C1.1
10	NEW SAND PIT CATCH BASIN (SPCB)	14/C1.1
11	NEW PERFORATED DRAIN CLEAN-OUT AT SYNTHETIC TURF (PDCO)	12/C1.1
12	NEW STORM DRAIN MANHOLE PIPE-TO-PIPE PER S.P.P.W.C. STD. PLAN NO. 321-2.	

NOTES:

ALL PIPES UNDER NEW TRACK TO BE INSTALLED WITHIN SLEEVES.

NOTES:

1. CONTRACTOR TO FIELD VERIFY LOCATION, SIZE, AND DEPTH OF EXISTING UTILITY LINES RUNNING THROUGH THE WORK AREA IN ORDER TO DETERMINE WHETHER THE UTILITIES WILL CONFLICT WITH PROPOSED IMPROVEMENTS. IF THE UTILITIES ARE DETERMINED TO BE IN CONFLICT, CONTRACTOR SHALL CONTACT.
2. CONTRACTOR SHALL RESTORE THE PAVEMENT, CURB, CURB & GUTTER, FENCING, LANDSCAPE OR TURF LIKE FOR LIKE WHERE STORM DRAIN PIPING TRENCHING OCCURS.
3. WHEN TRANSITIONING TO A SMALLER DIAMETER PIPE, PROVIDE AN ECCENTRIC REDUCING FITTING TO MINIMIZE THE GRADE CHANGE ACROSS THE FITTING. SEE DETAIL 11 ON SHEET C1.1.
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5. WHERE EXISTING WATER OR GAS PIPING ARE IN CONFLICT WITH PROPOSED SUBSURFACE DRAINAGE SYSTEM FOR FIELD OR STORM DRAIN PIPING CONTRACTOR SHALL LOWER GAS OR EXISTING WATER PIPING AND CROSS THEM UNDER STORM DRAIN PIPING WITH MINIM 12" CLEARANCE BETWEEN TOP OF WATER OR GAS PIPE TO BOTTOM OF STORM DRAINAGE PIPING AND SYSTEM.

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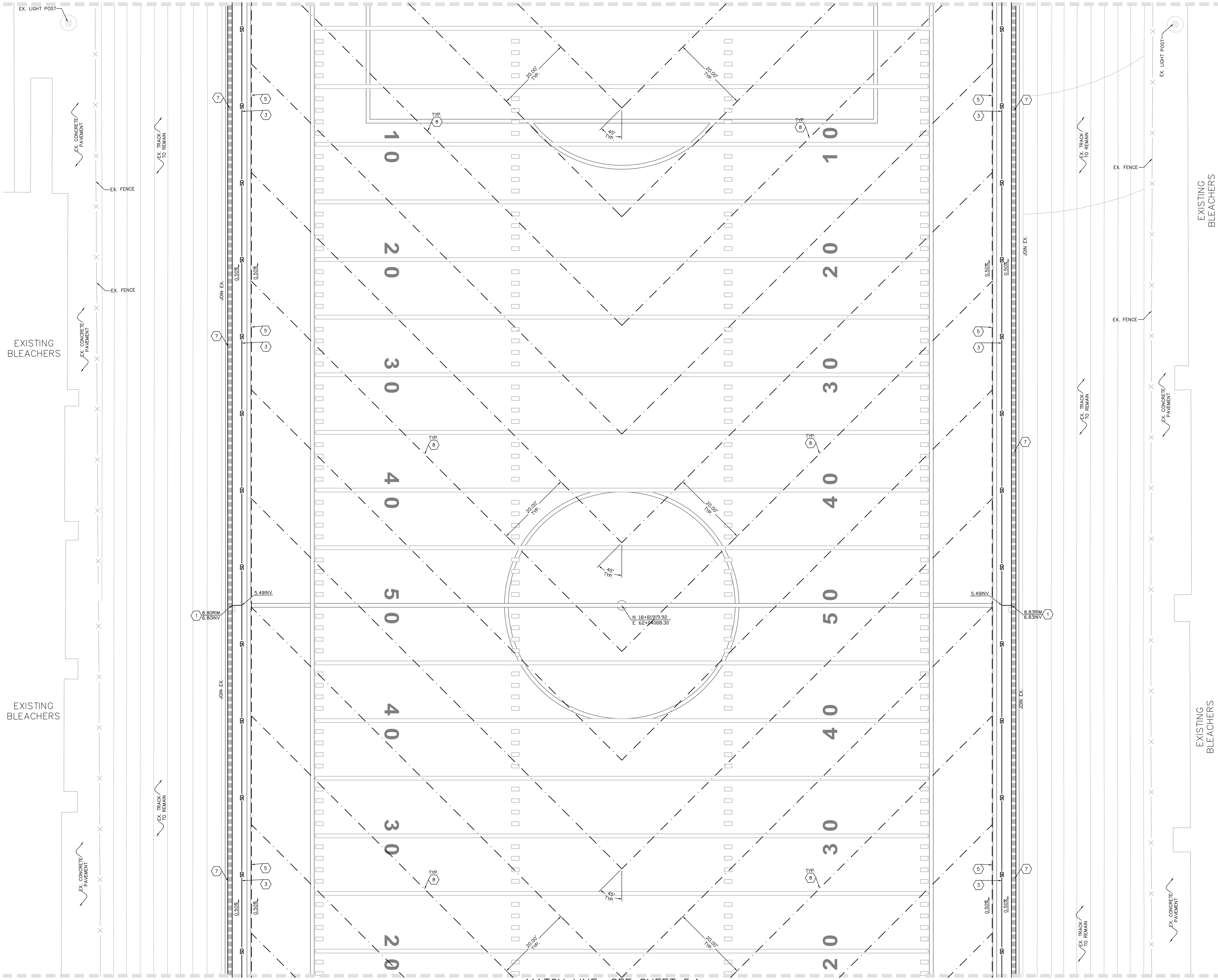
PROJECT NO.
6121235302

SHEET TITLE
STORM DRAIN PLAN

SHEET NUMBER
C5.0

MATCH LINE: SEE SHEET 5.1



MATCH LINE: SEE SHEET 5.1

STORM DRAIN LEGEND:

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	TRACK TRENCH DRAIN
	FLAT PANEL DRAIN
PDCO	PERFORATED DRAIN CLEANOUT AT SYNTHETIC TURF
SPCB	SAND PIT CATCH BASIN
JB	JUNCTION BOX
	CHECK VALVE
	GRATE INLET CATCH BASIN
	STORM DRAIN MANHOLE

STORM DRAIN KEYNOTES:

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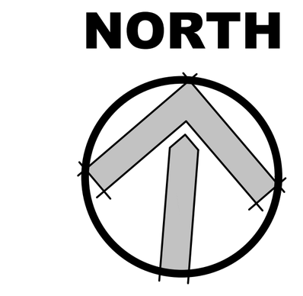

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PROJECT NO.

6121235302

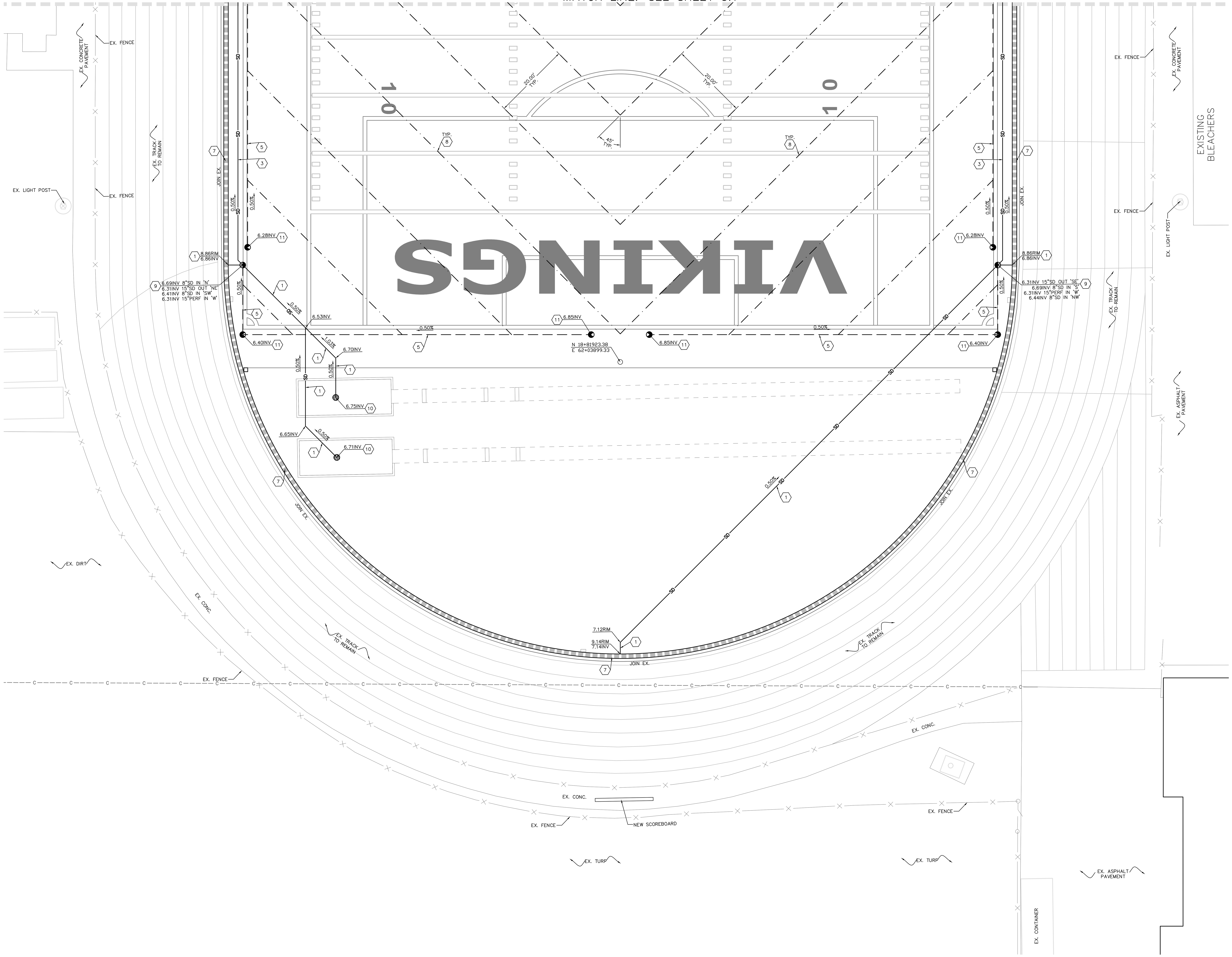
SHEET TITLE

STORM DRAIN PLAN

SHEET NUMBER

C5.1

MATCH LINE: SEE SHEET 5.1



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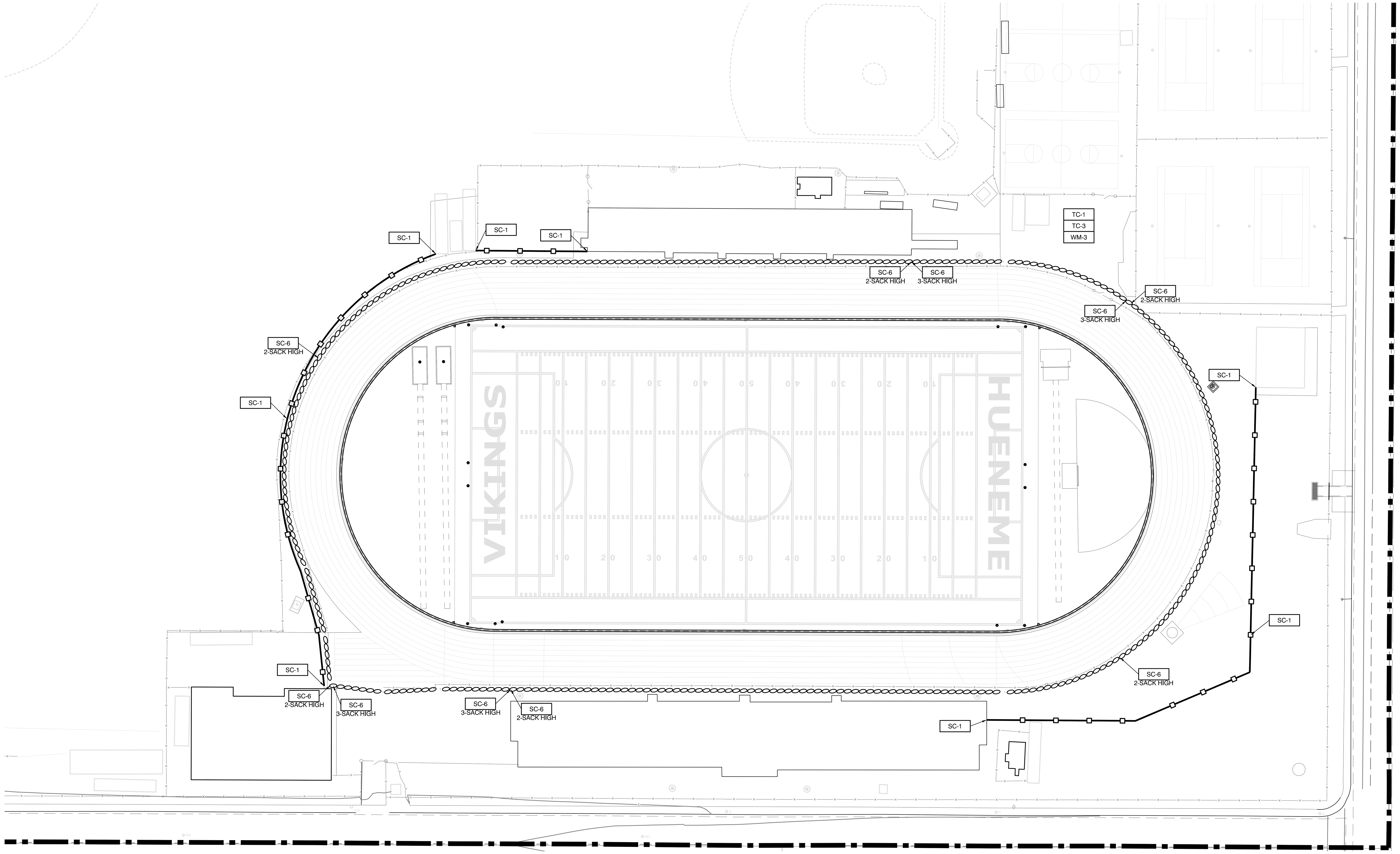
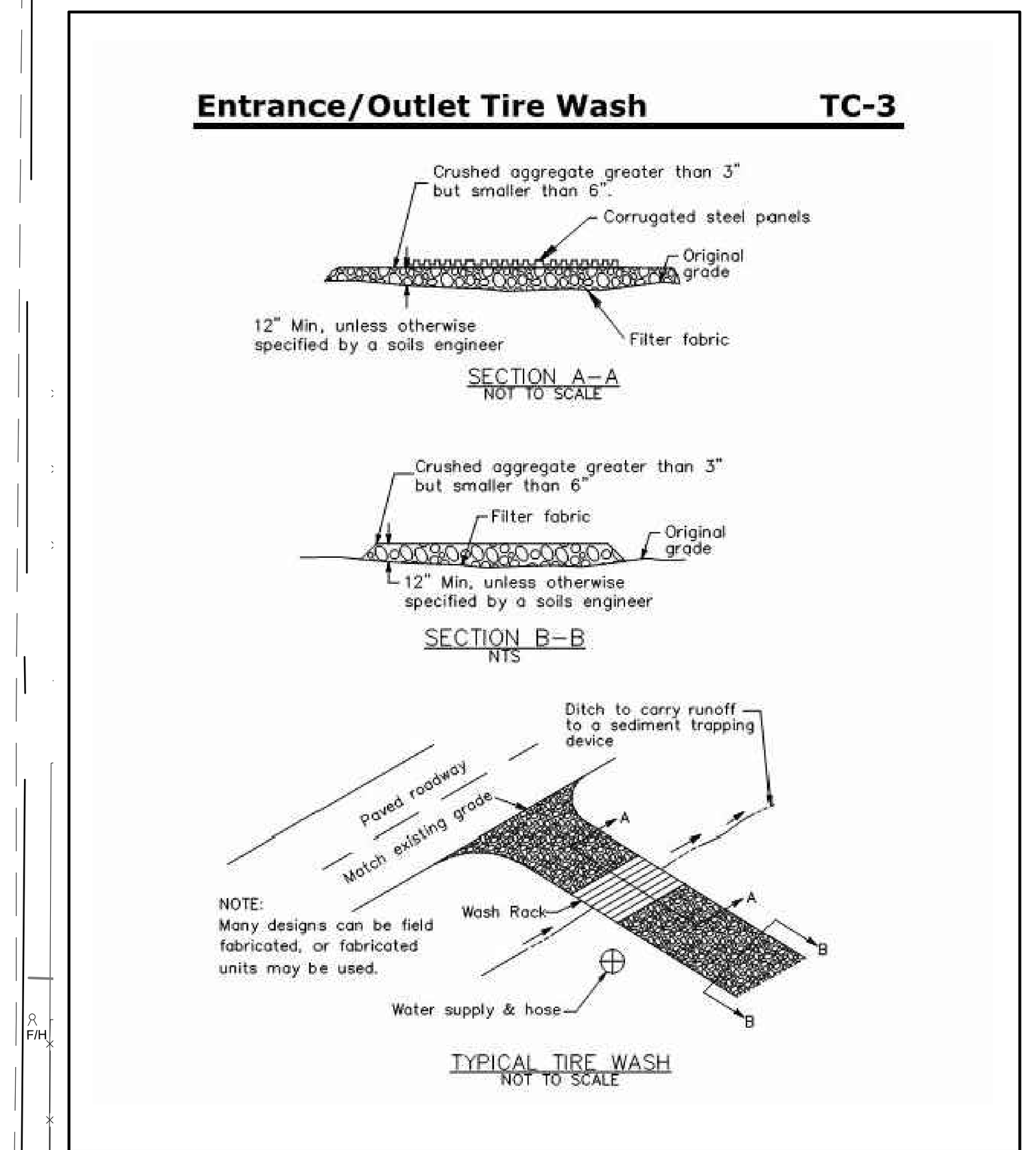
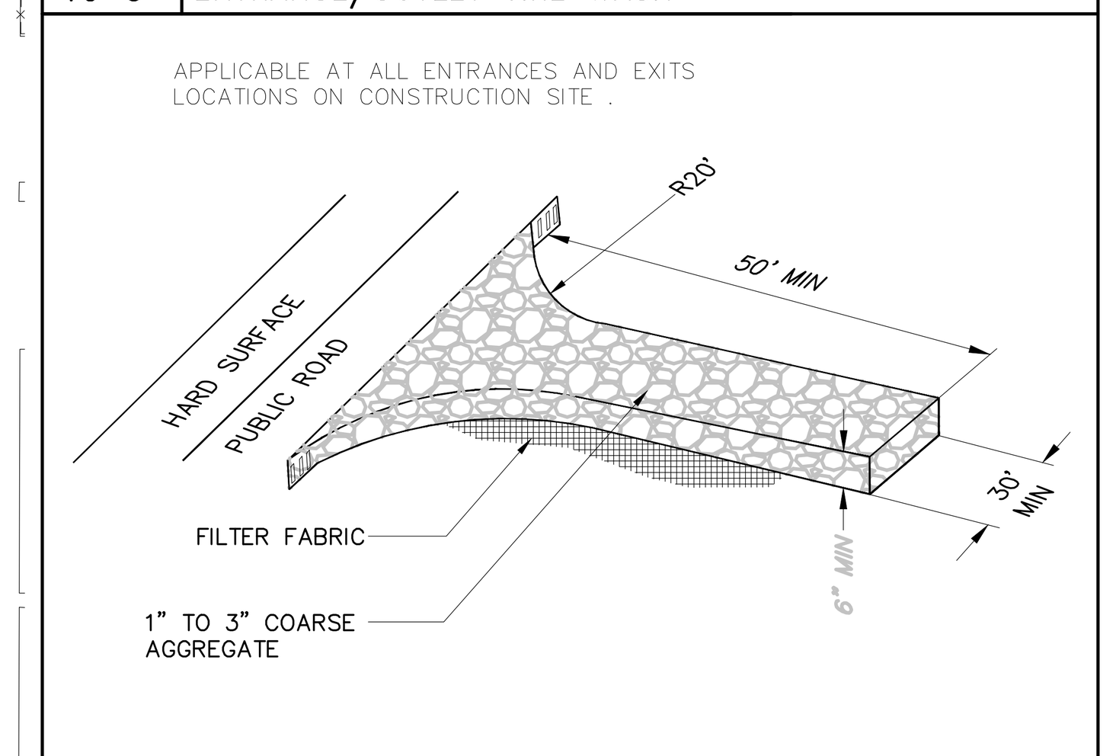
SHEET TITLE
STORM DRAIN PLAN

SHEET NUMBER
C5.2

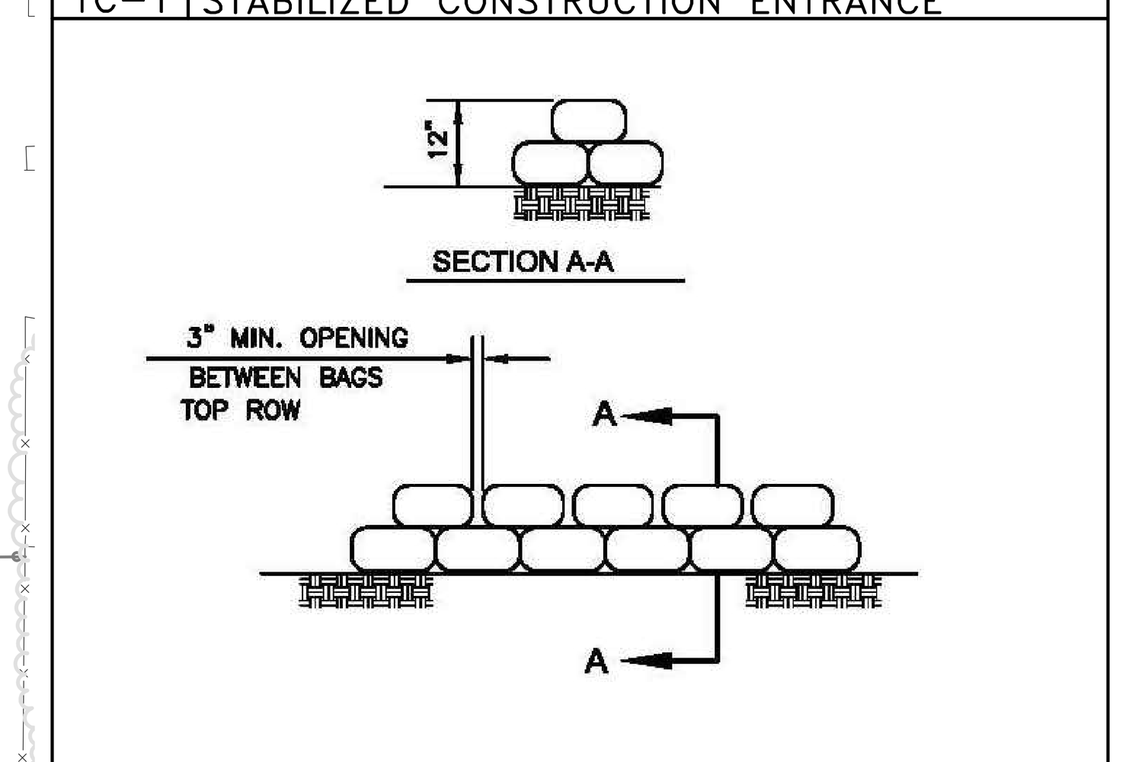




TC-3 ENTRANCE/OUTLET TIRE WASH



TC-1 STABILIZED CONSTRUCTION ENTRANCE



SE-6 GRAVEL BAG BERM N.T.S.

LEGEND

(silt fence symbol)	SILT FENCE
(gravel bag berm symbol)	GRAVEL BAG BERM
SE-6	FURNISH & INSTALL THE BMP PRACTICE PER THE REFERENCED DETAIL
(gravel bag inlet protection symbol)	GRAVEL BAG INLET PROTECTION

NOTES

1. PROTECT ALL INLETS AT IMMEDIATE VICINITY OF WORK AREA, WHETHER OR NOT SHOWN ON THIS PLAN, WITH SE-10.
2. THIS PLAN IS FOR EROSION CONTROL PURPOSES ONLY. REFER TO GRADING PLAN FOR ELEVATIONS.
3. DURING THE CONSTRUCTION, CONTRACTOR SHALL COMPLY WITH VENTURA COUNTY EROSION CONTROL AND SEDIMENT CONTROL REQUIREMENTS AT ALL TIMES.
4. ANY CHANGES TO BMPs ON THIS DRAWINGS SHALL BE COORDINATED WITH PROJECT ENGINEER.

THIS EROSION CONTROL PLAN IS PREPARED USING CASQA DESIGN GUIDELINES AND BMPS FOR EROSION AND SENDIMENT CONTROL PLAN

CONTRACTOR SHALL PROTECT TRACK SURFACE @ CONSTRUCTION ENTRANCE AND REPAIR ALL FENCING & GATES AFTER CONSTRUCTION (REPLACING LIKE-FOR-LIKE)

EROSION CONTROL NOTES: (AS APPLIES)

1) IN CASE OF AN EMERGENCY, CALL POUL HANSON (805) 718-2614.
2) A STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES. NECESSARY MATERIALS SHALL BE AVAILABLE ON-SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES OR TO REPAIR ANY DAMAGED EROSION CONTROL MEASURES.
3) EROSION CONTROL DEVICES SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE ARCHITECT.
4) ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY IN THE PERIOD FROM OCTOBER 15 THROUGH APRIL 15, AND AT ANY OTHER PERIOD WHEN THE WEATHER FORECAST INDICATES A GREATER THAN 50% PROBABILITY OF RAIN.
5) AFTER A RAINSTORM, ALL SILT AND DEBRIS SHALL BE REMOVED FROM CHECK BERMS AND DESILTING BASINS. ANY GRADED SLOPE SURFACE PROTECTION MEASURES DAMAGED DURING THE RAINSTORM SHALL ALSO BE REPAIRED IMMEDIATELY.
6) FILL SLOPES AT THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE TOP OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
7) A SIX-FOOT HIGH PERIMETER FENCE OR A 24-HOUR GUARD SHALL BE POSTED ON THE SITE WHENEVER THE DEPTH OF WATER IN ANY DEVICE EXCEEDS 18 INCHES.
8) THE ENGINEER OF RECORD IS RESPONSIBLE FOR ASSURING THE ACCURACY AND ACCEPTABILITY OF THE WORK. IN THE EVENT OF DISCREPANCIES ARISING DURING CONSTRUCTION, THE ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR DETERMINING AN ACCEPTABLE SOLUTION AND REVISING THE PLANS FOR APPROVAL BY THE APPLICABLE AGENCY.
9) TEMPORARY EROSION DEVICES SHOWN ON THE GRADING PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED WHEN THE INSPECTOR SO DIRECTS THE WORK PROGRESS.
10) ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED BY THE INSPECTOR.
11) WHEN THE INSPECTOR SO DIRECTS, A 12-INCH BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS.
12) VELOCITY CHECK DAMS SHALL BE PROVIDED ACROSS THE OUTLETS OF ALL LOTS DRAINING INTO THE STREET.
13) ALL FILLS SHALL BE GRADED TO PROMOTE DRAINAGE AWAY FROM THE EDGE OF THE FILL.
14) STAND-BY CREWS SHALL BE ALERTED BY THE PERMITTEE OR CONTRACTOR FOR EMERGENCY WORK DURING RAINSTORMS.
15) ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS FROM BOTTOM TO TOP WITH A DOUBLE ROW OF SANDBAGS PRIOR TO BACKFILL. SEWER TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF SANDBAGS EXTENDING DOWNWARD, TWO SANDBAGS FROM THE GRADED SURFACE OF THE STREET. SANDBAGS ARE TO BE PLACED WITH ALTERNATE HEADER AND STRETCHER COURSES. THE INTERVALS PRESCRIBED BETWEEN SANDBAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE, BUT NOT EXCEED THE FOLLOWING:

GRADE OF THE STREET	INTERVALS
LESS THAN 2%	AS REQUIRED
2% TO 4%	100 FEET
4% TO 10%	50 FEET
OVER 10%	25 FEET

16) VELOCITY CHECK DAMS SHALL BE PROVIDED IN ALL UNPAVED STREET AREAS AT THE INTERVALS INDICATED ABOVE. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF SANDBAGS, TIMBER, OR OTHER EROSION-RESISTANT MATERIALS APPROVED BY THE INSPECTOR, AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE. EARTH DIKES MAY NOT BE USED AS VELOCITY CHECK DAMS. PLASTIC BAGS SHALL NOT BE USED FOR SANDBAGS.
17) VELOCITY CHECK DAMS SHALL BE PROVIDED IN ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW:

GRADE OF CHANNEL	INTERVALS BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

18) AFTER SEWER AND UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCH AREA. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOWS AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWN STREET.
19) EXCEPT WHEN THE INSPECTOR DIRECTS OTHERWISE, ALL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS FORECAST AND SHALL BE MAINTAINED DURING THE RAINY SEASON (OCTOBER 1 THRU APRIL 15).
20) ALL BASINS AND CHECK DAMS SHALL HAVE THE DEBRIS AND SILT REMOVED AFTER EACH STORM TO RESTORE THEIR CAPACITY.
21) SANDBAG SHALL BE STOCKPILED IN PARKWAY AT INTERVALS SHOWN PLANS, READY TO BE PLACED IN POSITION WHEN RAIN IS FORECAST, OR WHEN THE PUBLIC WORKS INSPECTOR SO DIRECTS.
22) BRUSH AND GROUND COVER MAY NOT BE REMOVED MORE THAN 10-FEET ABOVE FILLS BETWEEN OCTOBER 1 AND APRIL 15.
23) PLACEMENT OF DEVICES TO REDUCE EROSION DAMAGE WITHIN THE PROJECT MUST BE SHOWN ON THE PLAN. STOCKPILE LOCATIONS FOR MATERIALS SHALL ALSO BE INDICATED ON THE DRAWING.
24) OUTLET CONDITIONS FROM THE DESILTING BASIN SHALL NOT EXCEED DOWNSTREAM LIMITATIONS. THE OVERFLOW SHALL BE DESIGNED TO SAFELY PASS 1.5 TIMES THE 25-YEAR PEAK DISCHARGE.
25) A CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE CONSTRUCTION ENTRANCE. THE CONSTRUCTION ENTRANCE SHALL CONSIST OF A BED OF 3/4" GRAVEL OF THE FOLLOWING MINIMUM DIMENSIONS: 15' WIDE, 30' LONG AND 12" DEEP. THE CONSTRUCTION ENTRANCE SHALL BE REMOVED PRIOR TO PLACING BASE FOR PAVING.
26) ALL SANDBAGS SHALL BE AMERICAN BUILDERS SUPPLY SIZE 18 MATERIAL OR EQUAL, WITH 10X12 WEAVE, 950 DENIER, 1200-HOUR U.V. RATING, OF MILK WHITE COLOR, AND SHOULD HAVE 1000 PER BALE.
27) SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES OR WIND.
28) STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER.
29) FUELS, OILS, SOLVENTS AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
30) NON-STORM WATER RUNOFF FROM EQUIPMENT AND VEHICLE WASHING AND ANY OTHER ACTIVITY SHALL BE CONTAINED AT THE PROJECT SITE.
31) EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE.
32) TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION OF RAINWATER AND DISPERSAL BY WIND.
33) SEDIMENTS AND OTHER MATERIALS MAY NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
34) ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED.

NOTES:

STORM WATER POLLUTION CONTROL REQUIREMENT FOR GRADING CONSTRUCTION. THE FOLLOWING BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, THE CALIFORNIA STORMWATER QUALITY ASSOCIATION, MAY APPLY DURING THE CONSTRUCTION OF THE PROJECT.

THE BMP'S SHOWN ON THIS PLAN REPRESENT THE MINIMUM THAT SHALL BE REQUIRED, ADDITIONAL MEASURES MAY BE NECESSARY IF DEEMED APPROPRIATE BY FIELD ENGINEER.

WM-1 : MATERIAL DELIVERY AND STORAGE
WM-2 : MATERIAL USE
WM-3 : STOCKPILE MANAGEMENT
WM-4 : SPILL PREVENTION AND CONTROL
WM-5 : SOLID WASTE MANAGEMENT
WM-6 : HAZARDOUS WASTE MANAGEMENT
WM-8 : CONCRETE WASTE MANAGEMENT
WM-9 : SANITARY/SEPTIC WASTE MANAGEMENT

SE-1 : SILT FENCE
SE-5 : FIBER ROLLS
SE-6 : GRAVEL BAG BERM
SE-7 : STREET SWEEPING AND VACUUMING
SE-10 : STORM DRAIN INLET PROTECTION
SE-9 : STRAW BALE BARRIER

NS-1 : WATER CONSERVATION PRACTICES
NS-3 : PAVING AND GRADING OPERATIONS
NS-6 : ILLICIT CONNECTION/DISCHARGE
NS-7 : POTABLE WATER/IRRIGATION
NS-8 : VEHICLE AND EQUIPMENT CLEANING
NS-9 : VEHICLE AND EQUIPMENT FUELING
NS-10 : VEHICLE AND EQUIPMENT MAINTENANCE
NS-12 : CONCRETE CURING
NS-13 : CONCRETE FINISHING

TC-1 : STABILIZED CONSTRUCTION ENTRANCE
TC-3 : ENTRANCE/OUTLET TIRE WASH

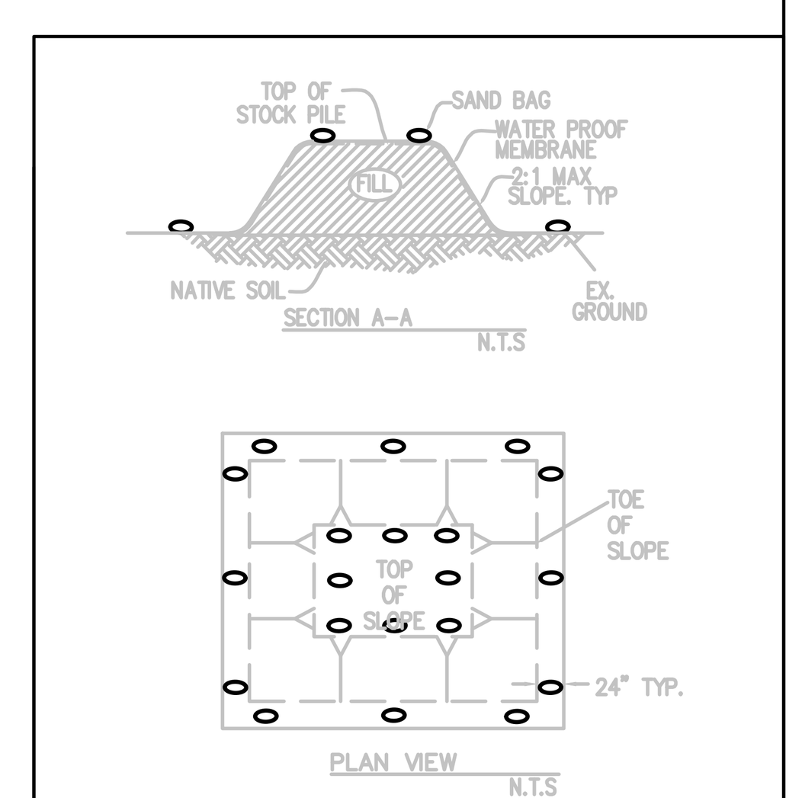
EC-1 : SCHEDULING
EC-2 : PRESERVATION OF EXISTING VEGETATION

WE-1 : WIND EROSION CONTROL

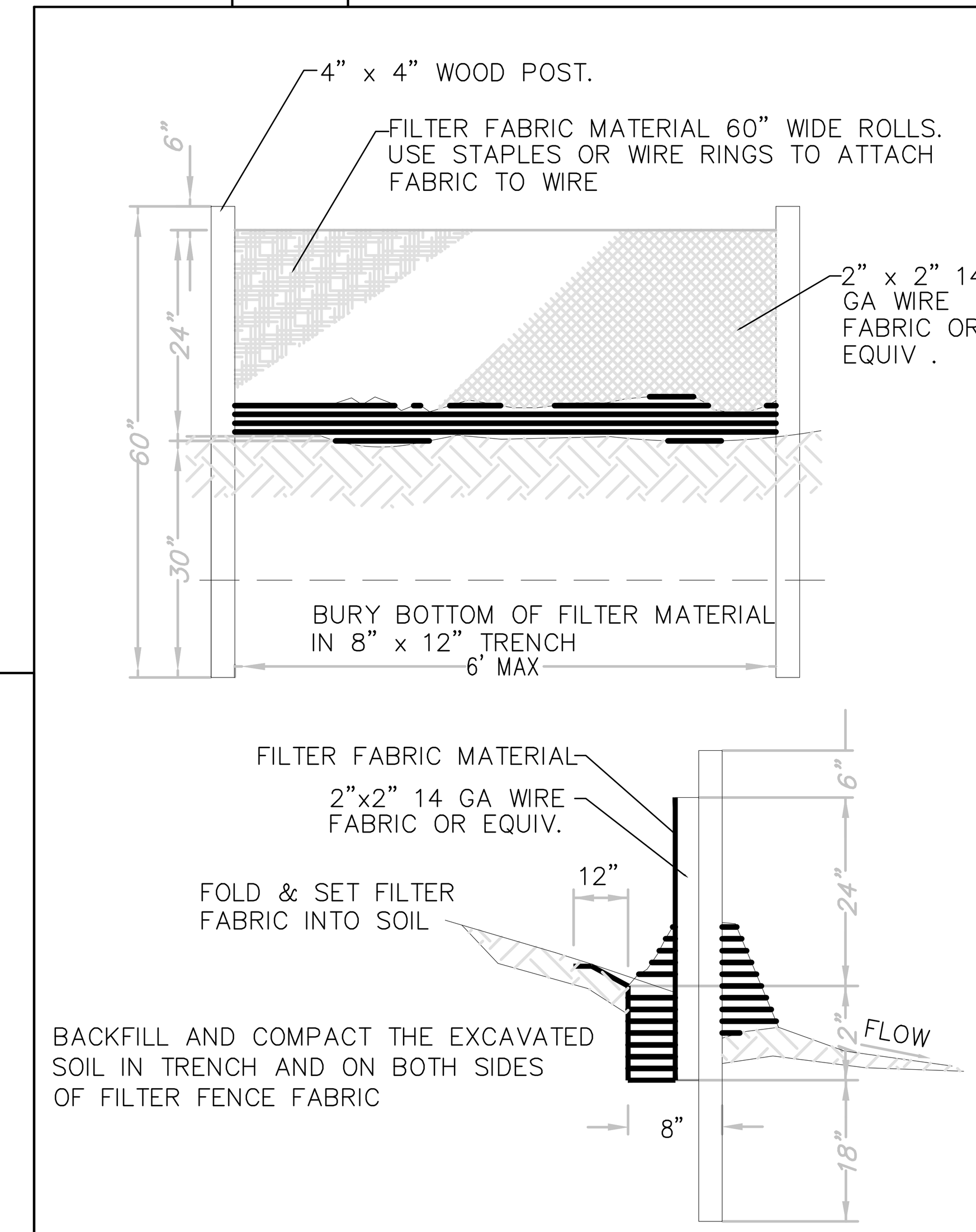
CONTRACTOR TO INCLUDE IN THEIR BID

IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PREPARE SWPPP.; SUBMIT IT TO THE STATE WATER QUALITY BOARD, OBTAIN NOI (NOTICE OF INTENT), AND PAY THE NECESSARY FEES FOR THE PERMIT. SWPPP MUST BE PREPARED BY A CERTIFIED QSD

IT WILL ALSO BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN A CERTIFIED "QSP" FOR SWPPP OBSERVATIONS AND FILLING ALL NECESSARY REPORTS THROUGH "SMART" WITH THE STATE WATER QUALITY BOARD THROUGHOUT THE LIFE OF THE PROJECT TILL IT IS COMPLETED. CONTRACTOR'S "QSP" SHALL FILE THE NOI (NOTICE OF INTENT).



WM-3 STOCK PILE MANAGEMENT



SE-1 SILT FENCE N.T.S.

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CLIENT NAME

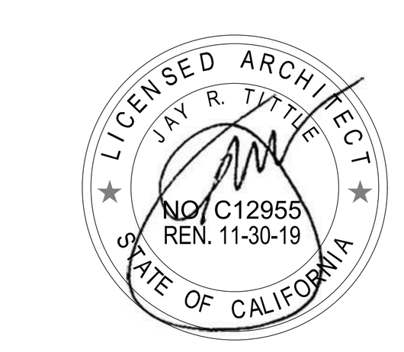
OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

HUENEME HIGH SCHOOL
TRACK & FIELD IMPROVEMENTS - INC 1
500 W BARD RD,
OXNARD, CA. 93033

CONSULTANT

SEAL



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BB
PROJECT MANAGER
BB
DESIGN TEAM
SA, ML, VS, AT

PROJECT NAME
HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

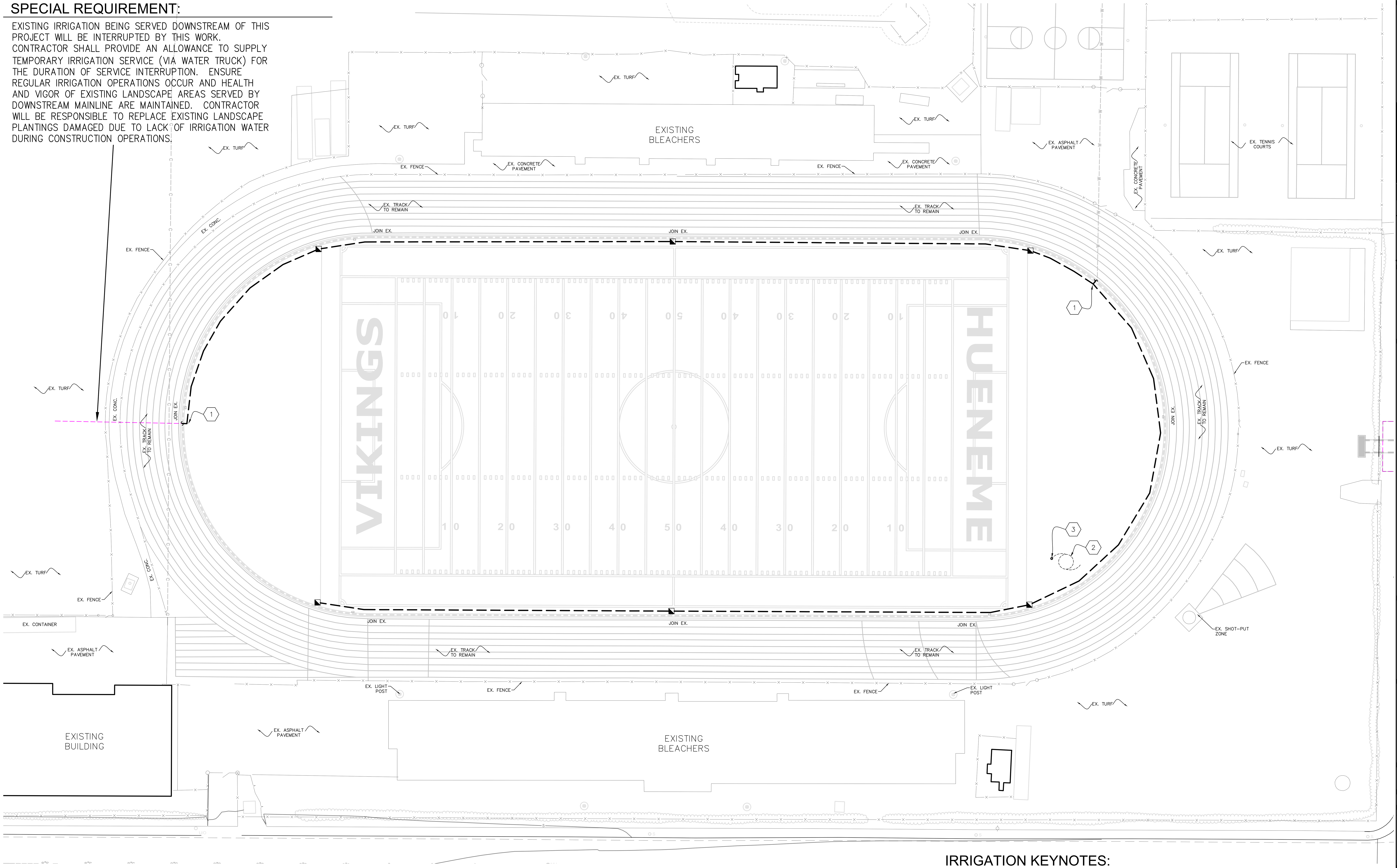
PROJECT NO.
6121235302

SHEET TITLE
EROSION CONTROL PLAN

SHEET NUMBER
C6.0

SPECIAL REQUIREMENT:

EXISTING IRRIGATION BEING SERVED DOWNSTREAM OF THIS PROJECT WILL BE INTERRUPTED BY THIS WORK. CONTRACTOR SHALL PROVIDE AN ALLOWANCE TO SUPPLY TEMPORARY IRRIGATION SERVICE (VIA WATER TRUCK) FOR THE DURATION OF SERVICE INTERRUPTION. ENSURE REGULAR IRRIGATION OPERATIONS OCCUR AND HEALTH AND VIGOR OF EXISTING LANDSCAPE AREAS SERVED BY DOWNSTREAM MAINLINE ARE MAINTAINED. CONTRACTOR WILL BE RESPONSIBLE TO REPLACE EXISTING LANDSCAPE PLANTINGS DAMAGED DUE TO LACK OF IRRIGATION WATER DURING CONSTRUCTION OPERATIONS.



IRRIGATION SCHEDULE

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	DETAIL
◪	Buckner-Superior QCV-RL 1-1/2" One Piece, Single Slot Brass Quick Coupling Valve. With Locking Plastic Yellow Tuff Top Lid. INSTALL IN VALVE BOX PER DETAIL.	
— — —	6" Irrigation Mainline: PVC Schedule 40	

IRRIGATION KEYNOTES:

1. CONNECT TO EXISTING IRRIGATION LINE - COMPLETE EXISTING LOOP VERIFY EXACT LOCATION IN THE FIELD.
2. PROVIDE NEW 1-1/2" DIA. X 100FT COMMERCIAL HOSE SHALL BE "RED 1-1/2" X 100FT NON-COLLAPSIBLE RUBBER HOSE W/ 1-1/2" NH COUPLINGS" AVAILABLE FROM WWW.FIREHOSEDIRECT.COM OR EQUAL. SUBMIT CUT SHEET FOR REVIEW AND APPROVAL PRIOR TO PURCHASE DELIVER TO SCHOOL MAINTENANCE CREW FOR STORAGE
3. PROVIDE NEW 1-1/2" INDUSTRIAL WASHDOWN NOZZLE SHALL BE "BRASS 1-1/2" INDUSTRIAL WASHDOWN NOZZLE (NH)" AVAILABLE FROM WWW.FIREHOSEDIRECT.COM OR APPROVED EQUAL. SUBMIT CUT SHEET FOR REVIEW AND APPROVAL PRIOR TO PURCHASE DELIVER TO SCHOOL MAINTENANCE CREW FOR STORAGE.

NORTH

SCALE=1"=20'

0 10 20 30

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500 W BARD RD,
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CONSULTANT

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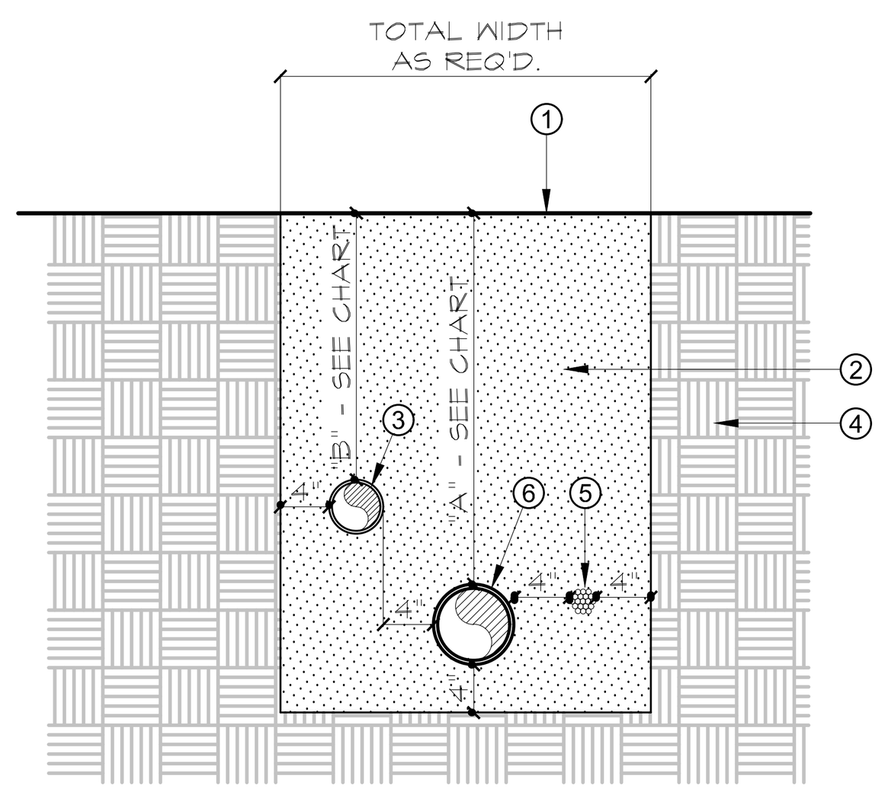
PROJECT MANAGER
ML
DESIGN TEAM
ML

PROJECT NAME
HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

PROJECT NO.
6121235302

SHEET TITLE
IRRIGATION PLAN

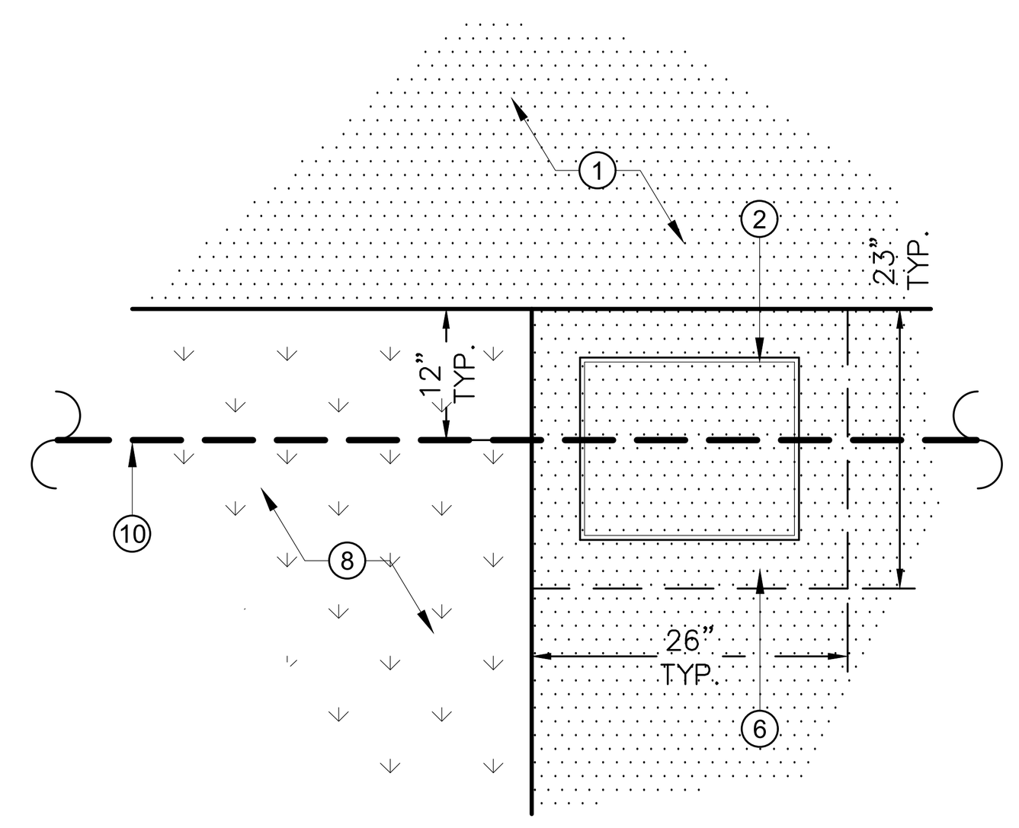
SHEET NUMBER
L1.0



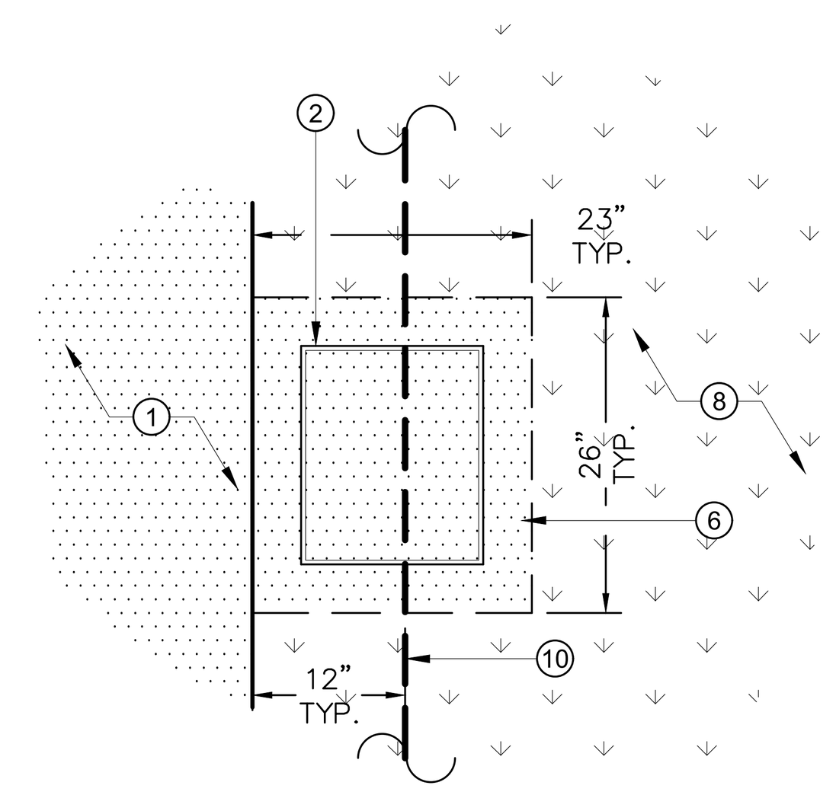
1. FINISH GRADE
2. CLEAN COMPACTED BACKFILL
3. LATERAL LINE - SEE PLANS AND LEGEND
4. UNDISTURBED SOIL
5. CONTROL WIRES, SEE SPECS.
6. MAINLINE - SEE PLANS AND LEGEND

DIMENSION	A	B
1/2" TO 2-1/2" IN SIZE	24"	18"
3" IN SIZE	30"	
4" AND LARGER	36"	

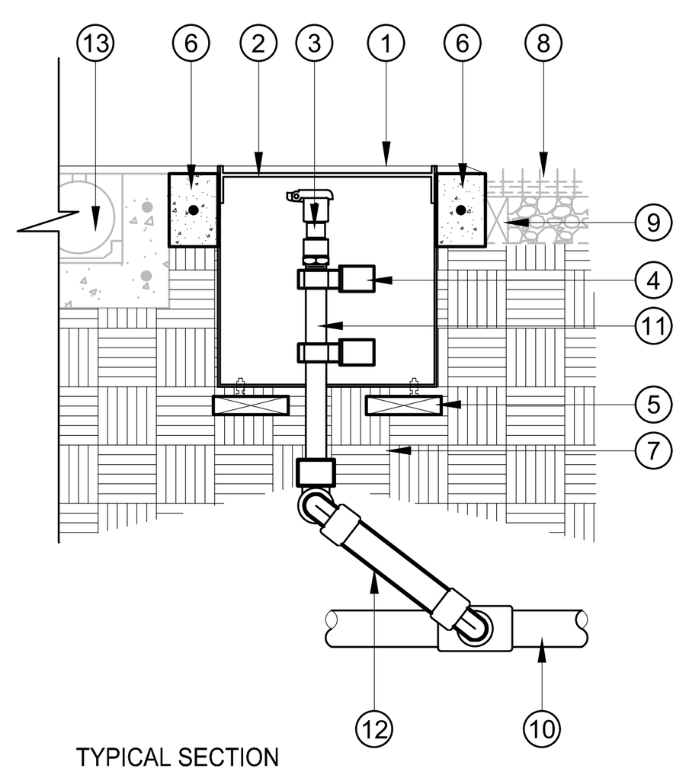
A TRENCHING
N.T.S.



PLAN VIEW
CONDITION 'A' - OUTSIDE CORNERS
EACH END OF ARTIFICIAL TURF



PLAN VIEW
CONDITION 'B' - 50-YARD LINE
EACH SIDE OF ARTIFICIAL TURF



TYPICAL SECTION

1. ALL WEATHER TRACK SURFACE WHERE OCCURS PER DETAIL (5/C1.1)
2. QUICK CONNECT VALVE BOX WITH RECESSED LID. SHALL BE TURFCOOL MODEL # TC-3700-QCV-TS OR APPROVED EQUAL. AVAILABLE FROM SPORTSFIELD SPECIATIES.
3. QUICK COUPLER VALVE, SEE LEGEND FOR SPECIFICATION, INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
4. 2" O.D. PIPE CLAMPS, TYP.
5. LEVELING BRICK W/ LEVELING BOLTS, TYP. (4 TOTAL)
6. 4" WIDE X 6" DEEP CONCRETE EDGEBAND, TYP. REINFORCE WITH CONT. #3 BAR
7. COMPACT SUBGRADE 95%
8. SYNTHETIC TURF WHERE OCCURS PER DETAIL (4/C1.1)
9. 2X4 RECYCLED PLASTIC HEADER BOARD, SECURE TO EDGEBAND WITH MIN. 4" LONG TAPCON SCREW @ 18" O.C. SPACING.
10. MAINLINE, SIZE PER PLAN
11. BRASS NIPPLE (LENGTH AS REQ'D)
12. SCH. 80 TRIPLE SWING JOINT ASSEMBLY W/ DOUBLE O-RING SEAL
13. TRACK TRENCH DRAIN WHERE OCCURS PER DETAIL (2/C1.1)

NOTES:
a. ALL THREADED CONNECTIONS TO HAVE TEFLON TAPE OR PASTE.
b. ENSURE QCV KEY SWIVEL'S FREELY WHEN INSERTED INTO LUG TRACK.
c. STAKE LOCATIONS IN THE FIELD FOR REVIEW AND APPROVAL BY FIELD ENGINEER PRIOR TO COMMENCING ANY OF THE WORK.

B QUICK COUPLER VALVE
N.T.S.

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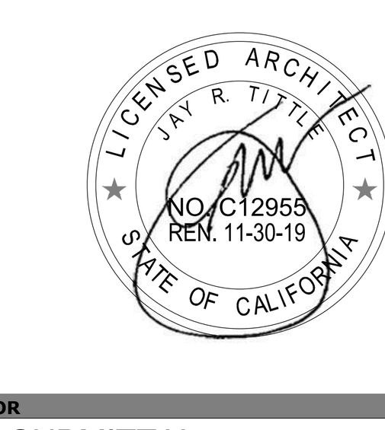

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ML
DESIGN TEAM
ML

PROJECT NAME
HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

PROJECT NO.
6121235302

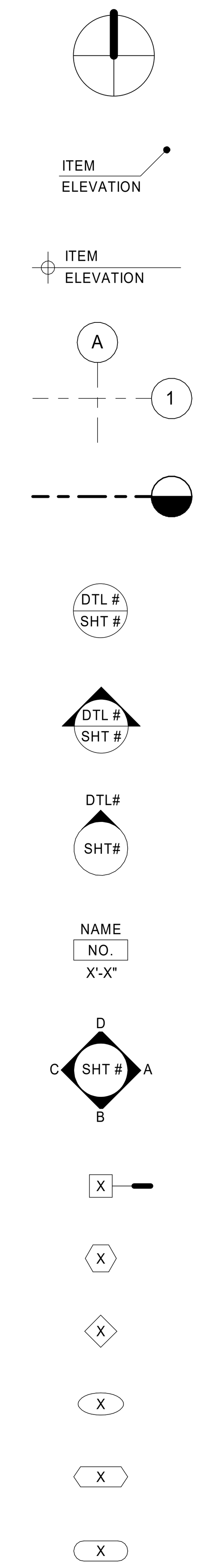
SHEET TITLE
IRRIGATION DETAILS

SHEET NUMBER
L2.0

ABBREVIATIONS

&	AND
⊿	ANGLE
@	AT
AB	ANCHOR BOLT
ABAN	ABANDON
ABS	ACRYLONITRILE BUTADIENE STYRENE
ABV	ABOVE
AC	AIR CONDITIONING
AC	ASPHALTIC CONCRETE
ACOUS	ACOUSTICAL
AC PVG	ASPHALT CONCRETE PAVING
ACP	ACOUSTICAL PANEL
ACT	ACOUSTICAL TILE
ACU	AIR CONDITIONING UNIT
AD	AREA DRAIN
ADDL	ADDITIONAL
ADJ	ADJUSTABLE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AGGR	AGGREGATE
AHU	AIR HANDLING UNIT
AL	ALUMINUM
ALT	ALTERNATE
AMT	AMOUNT
ANOD	ANODIZED
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECT/ARCHITECTURAL
ASD	AUTOMATIC SPRINKLER DRAIN
ASPH	ASPHALT
ASSY	ASSEMBLY
AV	AUDIO VISUAL
AWP	ACOUSTICAL WALL PANEL
BAL	BALANCE
BBD	BULLETIN BOARD
BBRG	BALL BEARING
BC	BACK OF CURB
BD	BOARD
BG	BUMPER GUARD
BETW	BETWEEN
BEV	BEVEL
BITUM	BITUMINOUS
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLKHD	BULKHEAD
BLW	BELOW
BM	BEAM
BM	BENCH MARK
BMU	BRICK MASONRY UNIT
BOF	BOTTOM OF FOOTING
BOT	BOTTOM
BRG	BEARING
BRS	BRASS
BRZ	BRONZE
BSMNT	BASEMENT
BUR	BUILT-UP ROOF
C̲	CENTERLINE
C&G	CURB AND GUTTER
C/C	CENTER TO CENTER
CAB	CABINET
CB	CORNER BEAD
CB	CATCHBASIN
CBD	CHALKBOARD
CCTV	CLOSED CIRCUIT TELEVISION
CCW	COUNTER CLOCKWISE
CEM	CEMENT
CER	CERAMIC
CI	CAST IRON
CIP	CAST IRON PIPE
CJ	CONSTRUCTION JOINT
CF	CLEAR FINISH COATING
CFX	CLEAR FINISH COATING - EXTERIOR
CG	CORNER GUARD
CL	CENTER LINE
CLG	CEILING
CLG DIFF	CEILING DIFFUSER
CLG HT	CEILING HEIGHT
CLG REG	CEILING REGISTER
CLO	CLOSET
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
CO	CLEANOUT
COL	COLUMN
COM	COMMON
COMB	COMBINATION
COMPL	COMPLETE
CONC	CONCRETE
CONC FL	CONCRETE FLOOR
COND	CONDENSER/CONDENSATE
CONF	CONFERENCE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS/CONTINUATION
CONTR	CONTRACT/CONTRACTOR
COORD	COORDINATE
CORR	CORRIDOR
COTG	CLEAN OUT TO GRADE
COV	COVER
COV PL	COVER PLATE
CP	CONCRETE PAVING
CP	CONTROL PANEL
CPT	CARPET
CPVC	CHLORINATED POLYVINYL CHLORIDE
CR	CRASHRAIL
CR	COAT RACK/COAT ROD
CRSTL	COLD ROLLED STEEL
CS	CHANGING STATION
CSK	COUNTERSINK
CSMNT	CASEMENT
CT	CERAMIC TILE
CTV	CABLE TELEVISION
CU YD	CUBIC YARD
CW	COLD WATER
CYL	CYLINDER
DAT	DATUM
DBL ACT	DOUBLE ACTING
DEMO	DEMOLITION
DEPT	DEPARTMENT
DET	DETAIL
DF	DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIAG	DIAGONAL
DIAM	DIAMETER
DIFF	DIFFERENCE
DIFF	DIFFUSER
DIM	DIMENSION
DIP	DUCTILE IRON PIPE
DISP	DISPENSER
DIV	DIVISION
DL	DEAD LOAD
DN	DOWN
DO	DITTO
DR	DOOR
DRN	DRAIN
DS	DIRECTIONAL SIGN
DS	DOWNSPOUT
DUPL	DUPLICATE
DW	DISHWASHER
DWG	DRAWING
DWL	DOWEL
DWR	DRAWER
DWV	DRAIN WASTE & VENT
E	EAST
EA	EACH
(E)	EXISTING
EC	ELASTOMERIC COATING
ECON	ECONOMIZER
ECU	EVAPORATIVE COOLING UNIT
EF	EACH FACE
EHD	ELECTRIC HAND DRYER
EJ	EXPANSION JOINT
EL	ELEVATION
ELAST	ELASTOMERIC
ELEC	ELECTRIC(AL)
ELEV	ELEVATOR
EMER	EMERGENCY
ENAM	ENAMEL
ENCL	ENCLOSURE
ENGR	ENGINEER
ENTR	ENTRANCE
EP	ELECTRICAL PANEL
EOP	EDGE OF PAVEMENT
EPDM	ETHYLENE PROPYLENE DIENE MONOMER
EQ	EQUAL
EQL SP	EQUALLY SPACED
EQUIP	EQUIPMENT
ES	EACH SIDE
EST	ESTIMATE
ESMNT	EASEMENT
EW	EACH WAY
EWC	ELECTRICAL WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXIST GR	EXISTING GRADE
EXP	EXPANSION
EXP JT	EXPANSION JOINT
EXT	EXTERIOR
F/F	FACE TO FACE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FOOTCANDLE
FCO	FLOOR CLEANOUT
FCU	FAN COIL UNIT
FD	FIRE DAMPER
FD	FLOOR DRAIN
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FEM	FEMALE
FGL	FIBERGLASS
FHC	FIRE HOSE CABINET
FHMS	FLAT HEAD MACHINE SCREW
FHWS	FLAT HEAD WOOD SCREW
FH	FIRE HYDRANT
FIN	FINISH
FIXT	FIXTURE
FF	FINISH FLOOR
FG	FINISH GRADE
FL	FLASHING
FL	FLOW LINE
FLR	FLOOR/FLOORING
FLR FIN	FLOOR FINISH
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOM	FACE OF MASONRY
FOS	FACE OF STUD
FPM	FEET PER MINUTE
FREQ	FREQUENCY
FS	FLOOR SINK
FSPKR	FIRE SPRINKLER
FSS	FOLDING SHOWER SEAT
FSTNR	FASTENER
FT	FOOT
FTG	FITTING
FTG	FOOTING
FURR	FURRING
FURN	FURNITURE
FUT	FUTURE
FWC	FABRIC WALL COVERING
G	GAS
GA	GAGE/GAUGE
GAL	GALLON
GALV	GALVANIZED
GB	GRAB BAR
GI	GALVANIZED IRON
GL	GLASS
GLU LAM	GLUE LAMINATED
GLBM	GLUE LAMINATED BEAM
GLZ	GLAZING
GMU	GLASS MASONRY UNIT
GND	GROUND
GOVT	GOVERNMENT
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GR	GRADE/GRADING
GRC	GRAFITTI RESISTANT COATING
GR BM	GRADE BEAM
GR LN	GRADE LINE
GRTG	GRATING
GRV	GRAVITY ROOF VENTILATOR
GSTL	GALVANIZED STEEL
GV	GRAVITY VENT
GVL	GRAVEL
GVTR	GAS VENT THROUGH ROOF
GYP	GYPSUM
GBD	GYPSUM BOARD
H	HIGH
H PLAM	HIGH PRESSURE LAMINATE
HB	HOSE BIBB
HC	HOLLOW CORE
HC	HOSE CABINET
HD	HEAD
HDBD	HARDBOARD
HDR	HEADER
HDWL	HEADWALL
HDWR	HARDWARE
HGR	HANGER
HGT	HEIGHT
HHWS	HEX HEAD WOOD SCREW
HM	HOLLOW METAL
HO	HOLD-OPEN
HORIZ	HORIZONTAL
HP	HIGH POINT
HR	HOUR
HS	HIGH STRENGTH
HSB	HIGH STRENGTH BOLT
HTG	HEATING
HTR	HEATER
HVY	HEAVY
HVAC	HEATING, VENTILATION, AIR CONDITIONING
HW	HOT WATER
HYD	HYDRANT
ID	INSIDE DIAMETER
IF	INSIDE FACE
ILLUM	ILLUMINATION
INCAND	INCANDESCENT
INL	INLET
INSTL	INSTALLATION
INSUL	INSULATION
INT	INTERIOR
INV	INVERT
INV EL	INVERT ELEVATION
IP	IRON PIPE
IPS	INSIDE PIPE SIZE
IPS	INTERNATIONAL PIPE STANDARD
ISO	ISOMETRIC
IWH	INSTANTANEOUS WATER HEATER
JAN	JANITOR
JB	JUNCTION BOX
JST	JOIST
JT	JOINT
KD	KILN DRIED
KD	KNOCK DOWN
KO	KNOCKOUT
KPL	KICKPLATE
L	LEFT
LAD	LADDER
LAM	LAMINATED
LAT	LATERAL
LAV	LAVATORY
LB	LAG BOLT
LB	POUND
LDG	LANDING
LDR	LEADER
LF	LINEAR FOOT
LG	LONG
LH	LEFT HAND
LHR	LEFT HAND REVERSE
LIN	LINEAR
LKR	LOCKER
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL
LOC	LOCATION
LONG	LONGITUDINAL
LP	LOW POINT
LP	LOW PRESSURE
LS	LUMP SUM
LT	LIGHT
LT WT	LIGHTWEIGHT
LTG	LIGHTING
LTG PNL	LIGHTING PANEL
LUB	LUBRICATE
LV	LOW VOLTAGE
LVL	LEVEL
LVR	LOUVER
LVR	LEVER
LWC	LIGHTWEIGHT CONCRETE
M	MIRROR
MACH RM	MACHINE ROOM
MAINT	MAINTENANCE
MAN	MANUAL
MARB	MARBLE
MAS	MASONRY
MATL	MATERIAL
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MB	MACHINE BOLT
MB	MIXING BOX
MBF	THOUSAND BOARD FEET
MBD	MARKER BOARD
MC	MOMENT CONNECTION
MC	MEDICINE CABINET
MDF	MEDIUM DENSITY FIBERBOARD
MDO	MEDIUM DENSITY OVERLAID
MECH	MECHANICAL
MED	MEDIUM
MEMB	MEMBRANE
MET	METAL
MEZZ	MEZZANINE
MFGR	MANUFACTURER
MH	MANHOLE
MI	MILE
MIR	MIRROR
MGL	MIRROR GLASS
MLDG	MOLDING
MLWK	MILLWORK
MO	MASONRY OPENING
MOD	MODULE
MON	MONUMENT
MPH	MILES PER HOUR
MR	MOP RACK
MS	MIRROR WITH SHELF
MTD	MOUNTED
MTG	MEETING
MTG	MOUNTING
MTR	METER
MTR	MORTAR
MULL	MULLION
MULT	MULTIPLE
#	NUMBER
N	NORTH
NA	NOT APPLICABLE
NAT	NATURAL
NCP	NON-REINFORCED CONCRETE PIPE
NEG	NEGATIVE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NPS	NOMINAL PIPE SIZE
NRC	NOISE REDUCTION COEFFICIENT
NST	NATURAL STONE TILE
NTS	NOT TO SCALE
O/O	OUT TO OUT
OA	OUTSIDE AIR
OA	OVERALL
OBS	OBSCURE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OD	OUTSIDE DIMENSION
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED OWNER INSTALLED
OH	OPPOSITE HAND
OHD	OVERHEAD
OHWS	OVAL HEAD WOOD SCREW
OPNG	OPENING
OPP	OPPOSITE
OPT	OPTIONAL
ORD	OVERFLOW ROOF DRAIN
ORIG	ORIGINAL
OVFL	OVERFLOW
OZ	OUNCE
d	PENNY
PAR	PARALLEL
PB	PANIC BAR
PBD	PARTICLEBOARD
PC	PIECE
PC	POINT OF CURVE
PC	PORTLAND CEMENT
PCF	POUNDS PER CUBIC FOOT
PD	PLANTER DRAIN
PERF	PERFORATED
PERIM	PERIMETER
PERM	PERMANENT
PERP	PERPENDICULAR
PF	PAINT FINISH
PFX	PAINT FINISH - EXTERIOR
PGL	PLASTIC GLAZING
PH	PHASE
PHOTO	PHOTOGRAPH
PHS	PHILLIP HEAD SCREW
PI	POINT OF INTERSECTION
PIV	POST INDICATOR VALVE
PKG	PACKAGE
PL	PLATE
PL	PROPERTY LINE
PLAM	PLASTIC LAMINATE
PLAS	PLASTER
PLAT	PLATFORM
PLBG	PLUMBING
PLF	POUNDS PER LINEAR FOOT
PLYWD	PLYWOOD
PNL	PANEL
PNT	PAINT
POL	POLISHED
PORT	PORTABLE
POS	POSITIVE
PR	PAIR
PRCST	PRECAST
PREFAB	PREFABRICATED
PREFIN	PREFINISHED
PRELIM	PRELIMINARY
PREP	PREPARATION
PRKG	PARKING
PROJ	PROJECT
PROP	PROPERTY
PS	PROJECTION SCREEN
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PTD	PAPER TOWEL DISPENSER
PTN	PARTITION
PTR	PAPER TOWEL RECEPTACLE
PTS	PNUEMATIC TUBE STATION
PVC	POLYVINYL CHLORIDE
PVG	PAVING
PVMT	PAVEMENT
PWR	POWER
QT	QUARRY TILE
QTR	QUARTER
QTY	QUANTITY
QUAL	QUALITY
RA	RETURN AIR
RA GR	RETURN AIR GRILLE
RAD	RADIUS
RB	RUBBER BASE
RBR	RUBBER
RC	REINFORCED CONCRETE
RCP	PREINFORCED CONCRETE PIPE
RD	ROAD
RD	ROOF DRAIN
REC	RECESSED
RECD	RECEIVED
RECIRC	RECIRCULATE
RECPT	RECEPTACLE
RECPT	RECEPTIONIST
RECT	RECTANGULAR
REF	REFERENCE
REFL	REFLECTOR
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCED/REINFORCING
REM	REMOVABLE
RE	RIM ELEVATION
REQD	REQUIRED
RESIL	RESILIENT
RET	RETURN
RFG	ROOFING
RH	RELATIVE HUMIDITY
RH	RIGHT HAND
RHMS	ROUND HEAD MACHINE SCREW
RHR	RIGHT HAND REVERSE
RHWS	ROUND HEAD WOOD SCREW
RLG	RAILING
RM	ROOM
RND	ROUND
RO	ROUGH OPENING
ROW	RIGHT OF WAY
RPW	RIGID PROTECTIVE WALLCOVERING
RS	ROOM SIGN
RSF	RESILIENT SHEET FLOORING
RTF	RESILIENT TILE FLOOR
RWC	RAIN WATER CONDUCTOR
RWF	RESILIENT WOOD FLOOR
RWL	RAIN WATER LEADER
S	SOUTH
S	SHELF
SA	SUPPLY AIR
SAG	SUPPLY AIR GRILLE
SALV	SALVAGE
SAN	SANITARY
SAT	SATURATION
SB	SPLASH BLOCK
SC	SHOWER CURTAIN
SC	SOLID CORE
SCD	SEAT COVER DISPENSER
SCHED	SCHEDULE
SD	SOAP DISPENSER
SD	STORM DRAIN
SD	SUPPLY DIFFUSER
SDS	SITE DIRECTIONAL SIGN
SEC	SECOND
SECT	SECTION
SGL	SINGLE
SHT	SHEET/SHEETING
SHTHG	SHEATHING
SHV	SHELVES/SHELVING
SHT	SHEET
SHTHG	SHEATHING
SIM	SIMILAR
SLV	SLEEVE
SM	SHEET METAL
SMS	SHEET METAL SCREW
SNK	SINK
SP	SPACING
SPCL	SPECIAL
SPEC	SPECIFICATION
SPD	SANITARY PRODUCTS DISPENSER
SFRM	SPRAYED FIRE RESISTIVE MATERIAL
SPKLR	SPRINKLER
SPKR	SPEAKER
SPLY	SUPPLY
SPW	SANITARY PRODUCTS WASTE RECEPTACLE
SQ	SQUARE
SQ FT	SQUARE FOOT
SQ IN	SQUARE INCH
SQ YD	SQUARE YARD
SS	SANITARY SEWER
SR	SHOWER ROD
SSNK	SERVICE SINK
SSTL	STAINLESS STEEL
ST	STREET
ST	STAIN FINISH
STA	STATION
STAG	STAGGERED
STC	SOUND TRANSMISSION CLASS
STD	STANDARD
STIF	STIFFENER
STIR	STIRRUP
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
STX	STAIN FINISH - EXTERIOR
SUH	SUSPENDED UNIT HEATER
SUSP	SUSPENDED
SV	STONE VENEER
SWHR	SHOWER
SWR	SEWER
SYM	SYMBOL
SYM	SYMMETRICAL
SYNTH	SYNTHETIC
SYS	SYSTEM
T	TEE
T	THERMOSTAT
T	TREAD
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
TAN	TANGENT
TB	TOWEL BAR
TBD	TACKBOARD
TBD	TO BE DETERMINED
TBT	THIN BRICK TILE
TC	TOP OF CONCRETE
TC	TOP OF CURB
TD	TOWEL DISPENSER
TD	TRENCH DRAIN
TDR	TOWEL DISPENSER WASTE RECEPTACLE
TE	TOP ELEVATION
TECH	TECHNICAL
TEL	TELEPHONE
TEMP	TEMPERED
TEMP	TEMPERATURE
TEMP	TEMPORARY
TER	TERRAZZO
TERM	TERMINAL
THK	THICKNESS
THRESH	THRESHOLD
THRU	THROUGH
TOBM	TOP OF BEAM
TOC	TOP OF CURB
TOF	TOP OF FOOTING
TOL	TOLERANCE
TOM	TOP OF MASONRY
TOP	TOP OF PAVING
TOP	TOP OF PARAPET
TOS	TOP OF SHEATHING
TOS	TOP OF STEEL
TOT	TOTAL
TOW	TOP OF WALL
TPH	TOILET PAPER HOLDER
TPL	TOP OF PLATE
TRANS	TRANSPARENT
TRMS	TAMPER RESISTANT METAL SCREW
TRWS	TAMPER RESISTANT WOOD SCREW
TS	TUBE STEEL
TV	TELEVISION
TYP	TYPICAL
UC	UNDERCUT
UNFIN	UNFINISHED
UNGND	UNDERGROUND
UNIF	UNIFORM
UNO	UNLESS NOTED OTHERWISE
UR	URINAL
UTIL	UTILITY
UV	ULTRAVIOLET
VAC	VACUUM
VAV	VARIABLE AIR VOLUME
VB	VALVE BOX
VB	VINYL BASE
VCT	VINYL COMPOSITION TILE
VCP	VITRIFIED CLAY PIPE
VCTBD	VINYL COVERED TACKBOARD
VENT	VENTILATOR
VERT	VERTICAL
VEST	VESTIBULE
VIB	VIBRATION
VIT	VITREOUS
VNR	VENEER
VOL	VOLUME
VS	VEHICULAR SIGN
VTR	VENT THROUGH ROOF
VWC	VINYL WALL COVERING
W	WEST
W/	WITH
W/O	WITHOUT
W/W	WALL TO WALL
WC	WATER CLOSET
WCO	WALL CLEANOUT
WD	WOOD
WDW	WINDOW
WF	WIDE FLANGE
WGL	WIRE GLASS
WH	WALL HYDRANT
WHTR	WATER HEATER
WI	WROUGHT IRON
WIC	WOODWORK INSTITUTE OF CALIFORNIA
WID	WIDTH
WL	WATER LINE
WL	WIND LOAD
WP	WORKING POINT
WP	WATERPROOF
WR	WATER RESISTANT
WR	WASTE RECEPTACLE
WSCT	WAINSCOT
WSP	WET STAND PIPE
WT	WEIGHT
WTR	WATER
WTRPRF	WATERPROOFING
WWF	WELDED WIRE FABRIC
XFMR	TRANSFORMER
YB	YARD BOX
YD	YARD
ZA	ZINC ALLOY

SYMBOLS



NORTH ARROW

SPOT ELEVATION

FINISH FLOOR LEVEL

STRUCTURAL GRID LINES

MATCH LINE

DETAIL REFERENCE TAG
DETAIL NUMBER
SHEET NUMBER

BUILDING SECTION TAG
DETAIL NUMBER
SHEET NUMBER

BUILDING ELEVATION TAG
DETAIL NUMBER
SHEET NUMBER

ROOM NAME TAG
ROOM NUMBER
ROOM CEILING HEIGHT

INTERIOR ELEVATION TAG
DETAIL NUMBER
SHEET NUMBER

WALLTYPE TAG
(SEE SHEET G0.7)

WINDOW NUMBER TAG
(SEE WINDOW SCHEDULE)

EQUIPMENT TAG
(SEE EQUIPMENT SCHEDULE)

DOOR NUMBER TAG
(SEE DOOR / FRAME SCHEDULE)

CONSTRUCTION KEYNOTE
(SEE LEGEND EACH SHEET)

DEMOLITION KEYNOTE
(SEE LEGEND EACH SHEET)

AGENCY REVIEW

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CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

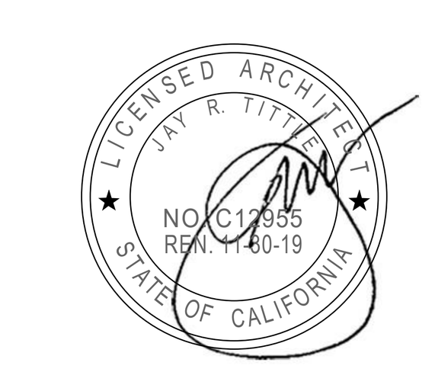
PROJECT NAME

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD, OXNARD, CA. 93033

CONSULTANT

SEAL



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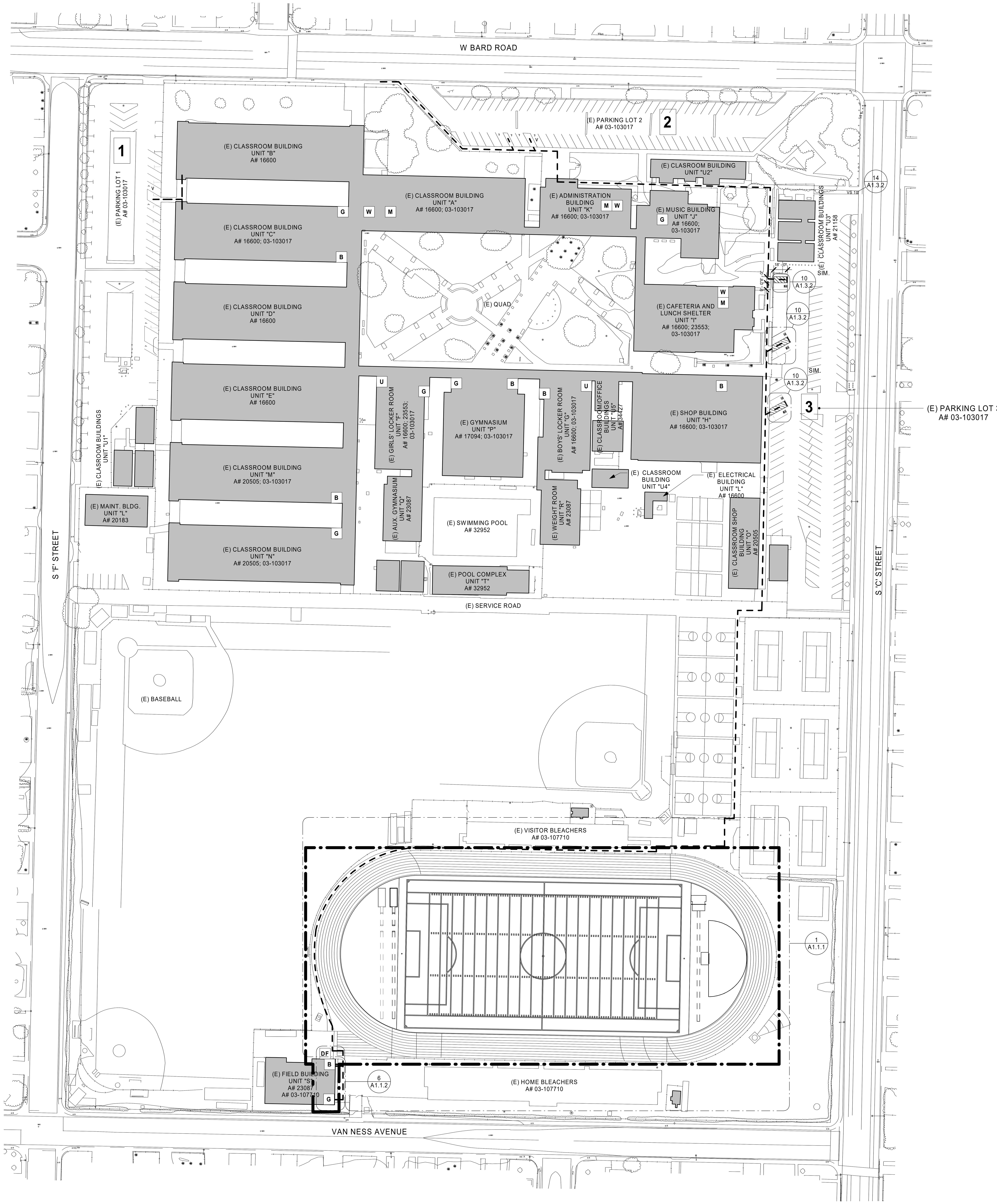
JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ CL/ JR/ TA

PROJECT NAME
HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

PROJECT NO.
6121235302

SHEET TITLE
SYMBOLS / ABBREVIATIONS

SHEET NUMBER
A0.1.1



OVERALL SITE PLAN 1
1" = 60'-0" A1.0.1

ACCESSIBILTY NOTES

1. CONTRACTOR TO VERIFY PATH OF TRAVEL REQUIREMENTS ARE MET FOR P.O.T. FROM ACCESSIBLE PARKING AND PUBLIC WAY TO RESTROOMS, DRINKING FOUNTAINS, SCHOOL ADMINISTRATION BUILDING, ACCESIBLE SEATING AND INSIDE TRACK AS INDICATED. ANY DEVIATION FROM P.O.T. DEFINITION LISTED BELOW SHALL BE BROUGHT INTO COMPLIANCE BY THE ARCHITECT PREPARING A C.C.D. AND SUBMITTING IT TO DSA FOR APPROVAL.

2. PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER-FREE ACCESS WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP-RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5%, UNLESS OTHERWISE INDICATED. P.O.T. SHALL MAINTAIN FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (CBC 11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM THE WALL AND ABOVE 27" AND LESS THAN 80" (CBC 11B-307). CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CHAPTER 11 DIVISION 4 OF THE 2016 CBC .

3. ALL NEW PAVING AND SURFACING TO BE FLUSH TO EXISTING PAVING EDGE.

4. FOR GRADE ELEVATIONS, SEE CIVIL DRAWINGS.

5. FOR DEMOLITION WORK, SEE CIVIL DRAWINGS.

6. DIMENSIONS ARE TO BE FIELD VERIFIED.

7. ALL EXISTING ELEMENTS TO REMAIN SHALL BE PROTECTED IN PLACE, TYP.

LEGEND

(E) BUILDING TO REMAIN

EXTENT OF SCOPE OF WORK

ACCESSIBLE PATH OF TRAVEL 4'-0" WIDE MIN. CONCRETE OR A.C. PAVED. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION ON MATERIAL, SLOPES AND ELEVATIONS.

W — WOMEN'S RESTROOM

M — MEN'S RESTROOM

DF — DRINKING FOUNTAIN

PARKING ANALYSIS

TOTAL SPACES PROVIDED:	267		
(E) PARKING LOT 1:	100		
ACCESSIBLE SPACES:		REQUIRED:	4
		PROVIDED:	4
VAN ACCESSIBLE SPACES:		REQUIRED:	1
		PROVIDED:	1
(E) PARKING LOT 2:	73		
ACCESSIBLE SPACES:		REQUIRED:	3
		PROVIDED:	4
VAN ACCESSIBLE SPACES:		REQUIRED:	1
		PROVIDED:	1
(E) PARKING LOT 3:	94		
ACCESSIBLE SPACES:		REQUIRED:	4
		PROVIDED:	5
VAN ACCESSIBLE SPACES:		REQUIRED:	1
		PROVIDED:	1

DSA CERTIFICATIONS

DSA A#	STATUS
53067	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 03/12/1993
60083	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #3, 10/03/1994
61339	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 11/19/1998
56911	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 02/24/1999
65336	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #2, 04/01/2003
03-107710	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 09/02/2010
03-113820	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 05/24/2013
03-103017	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #2, 07/25/2013
03-107175	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #2, 10/08/2013
03-114472	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 06/05/2014
03-116524	CERTIFICATION AND CLOSE OF FILE, LETTER TYPE #1, 04/25/2017
03-118141	OPEN, APPROVED 02/20/2018
03-119340	SUBMITTED 12/11/2018, OPEN

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500 W. BARD RD, OXNARD, CA. 93033

CONSULTANT

SEAL

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JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ CL/ JR/ TA

PROJECT NAME
HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

PROJECT NO.
6121235302

SHEET TITLE
OVERALL SITE PLAN

SHEET NUMBER
A1.0.1

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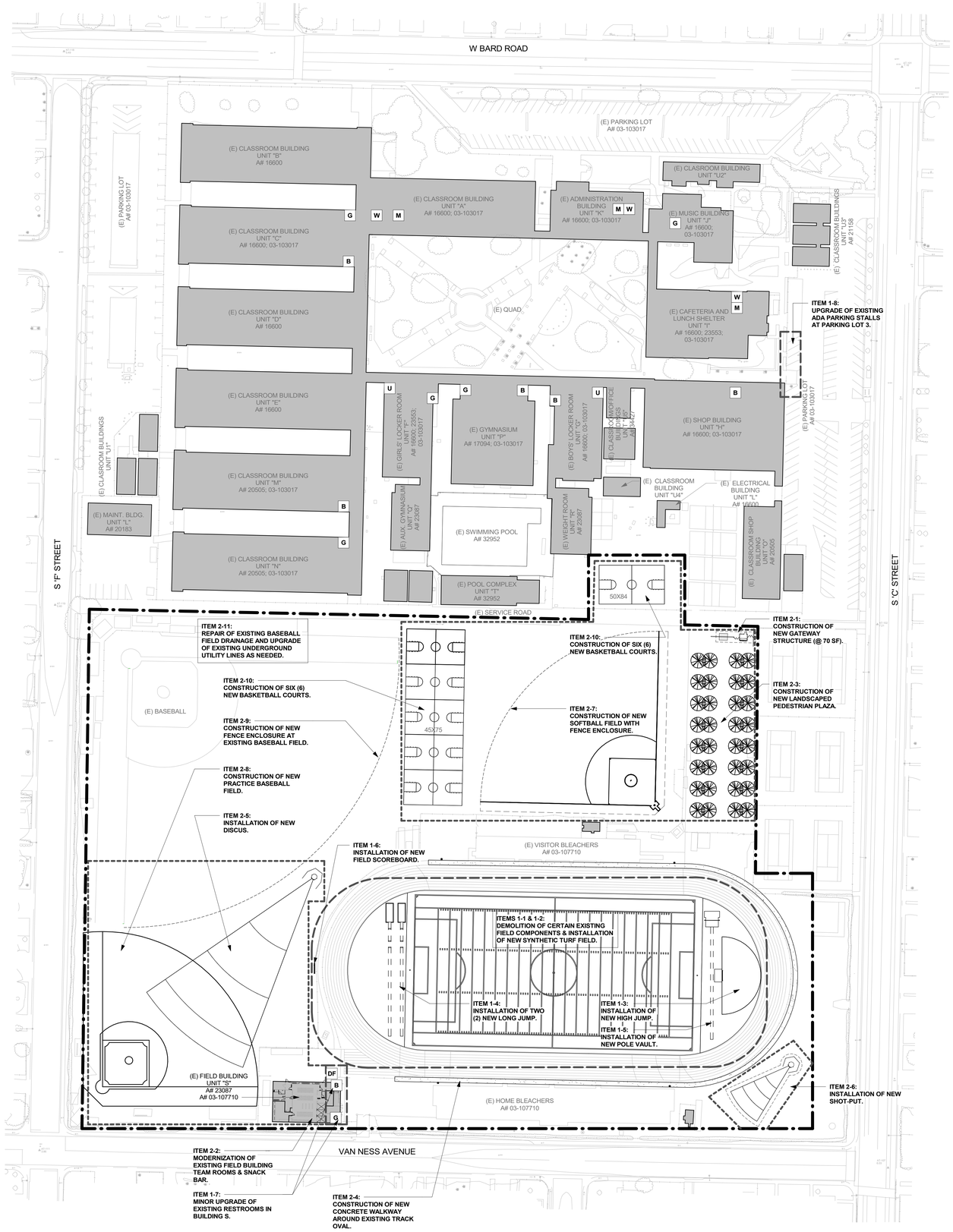

SITE KEY PLAN 1
1" = 60'-0" A1.0.2

INCREMENT 1:

WORK UNDER THIS CONTRACT INCLUDES THE FOLLOWING ITEMS SHOWN ON THE DRAWINGS AND AS SPECIFIED IN THE PROJECT MANUAL, INCLUDING:

1-1 DEMOLITION OF CERTAIN EXISTING FIELD COMPONENTS.
1-2 INSTALLATION OF NEW SYNTHETIC TURF FIELD.
1-3 INSTALLATION OF NEW HIGH JUMP FACILITIES.
1-4 INSTALLATION OF TWO (2) NEW LONG JUMP RUNWAYS.
1-5 INSTALLATION OF NEW POLE VAULT.
1-6 INSTALLATION OF NEW FIELD SCOREBOARD.
1-7 MINOR UPGRADE OF EXISTING RESTROOMS IN BUILDING S.
1-8 UPGRADE OF EXISTING ADA PARKING STALLS AT PARKING LOT 3.

INCREMENT 2:

WORK UNDER THIS CONTRACT SHALL INCLUDE THE FOLLOWING ITEMS:

2-1 CONSTRUCTION OF NEW GATEWAY STRUCTURE (@ 70 SF).
2-2 MODERNIZATION OF TEAM ROOMS & SNACK BAR AT EXISTING BUILDING S.
2-3 CONSTRUCTION OF NEW LANDSCAPED PEDESTRIAN PLAZA.
2-4 CONSTRUCTION OF NEW CONCRETE WALKWAY AROUND EXISTING TRACK OVAL.
2-5 INSTALLATION OF NEW DISCUS FACILITY.
2-6 INSTALLATION OF NEW SHOT-PUT FACILITY.
2-7 CONSTRUCTION OF NEW SOFTBALL FIELD WITH FENCE ENCLOSURE.
2-8 CONSTRUCTION OF NEW PRACTICE BASEBALL FIELD.
2-9 CONSTRUCTION OF NEW FENCE ENCLOSURE AT EXISTING BASEBALL FIELD.
2-10 CONSTRUCTION OF SIX (6) NEW BASKETBALL COURTS.
2-11 REPAIR OF EXISTING BASEBALL FIELD DRAINAGE AND UPGRADE OF EXISTING UNDERGROUND UTILITY LINES AS NEEDED.

LEGEND

(E) BUILDING TO REMAIN
LIMIT OF ENTIRE WORK (INC 1 &2)
INC 1 SCOPE
INC 2 SCOPE

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500 W. BARD RD, OXNARD, CA. 93033

CONSULTANT

SEAL
LICENSED ARCHITECT JAY R. TITUS JT NO. 11-30-19 STATE OF CALIFORNIA

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FM /RG /JR /CL /TA

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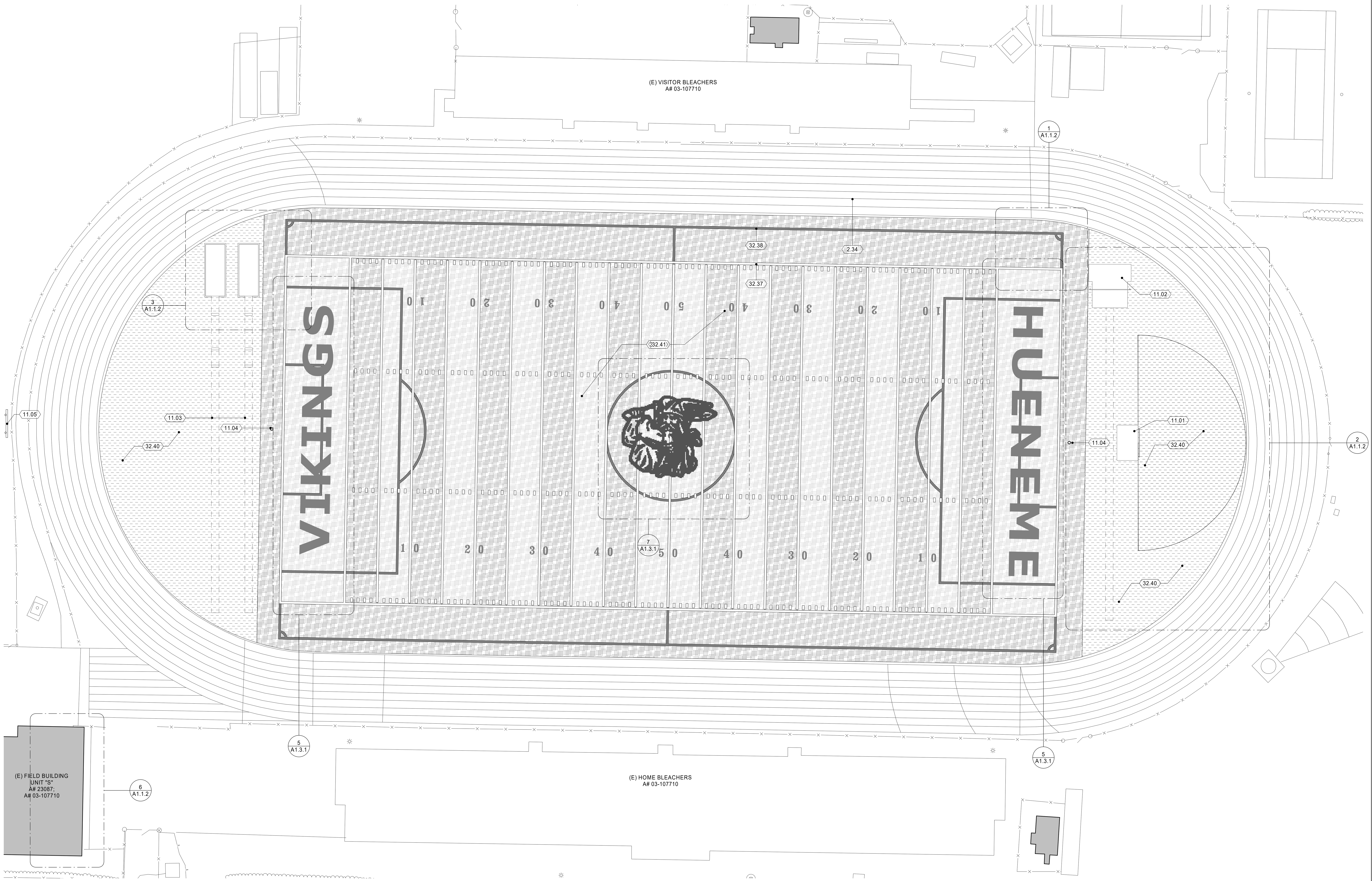
PROJECT NO.
6121235302

SHEET TITLE
SITE KEY PLAN

SHEET NUMBER
A1.0.2



ENLARGED SITE PLAN - TRACK & FIELD 1
1" = 20'-0" A1.1.1

KEYNOTES

2.34	
11.01	HIGH JUMP, SEE DETAIL 6/A1.3.1 - 11 68 33.43
11.02	(POLE VAULT FACILITY, SEE DETAILS 7 & 8/A1.3.2 - 11 68 33.43
11.03	LONG/TRIPLE JUMP FACILITY, SEE DETAIL 3/A1.3.2 - 11 68 33.43
11.04	GOAL POST, SEE DETAIL 6/A1.3.2 - 11 68 33.13
11.05	SCOREBOARD PER PC#04-116017
32.37	FOOTBALL FIELD STRIPING, SEE DETAIL 2/A1.3.1 - 32 18 23.29
32.38	SOCCER FIELD STRIPING, SEE DETAIL 1/A1.3.1 - 32 18 23.29
32.40	SYNTHETIC RUNNING TRACK SURFACING - 32 18 23.33
32.41	SYNTHETIC TURF - 32 18 23.29

LEGEND

SYNTHETIC TURF - COLOR 1. REMOVE EXISTING GRASS, PREPARE AND INSTALL NEW SYNTHETIC TURF PER CIVIL DRAWINGS.

SYNTHETIC TURF - COLOR 2. REMOVE EXISTING GRASS, PREPARE AND INSTALL NEW SYNTHETIC TURF PER CIVIL DRAWINGS.

SYNTHETIC TRACK SURFACING - COLOR 3. REMOVE EXISTING GRASS AND/OR DG TRACK, PREPARE AND INSTALL NEW SYNTHETIC TRACK PER CIVIL DRAWINGS.

GENERAL NOTES

1. ALL DIMENSIONS ARE TYPICAL.
2. ALL FIELD MARKINGS SHALL CONFORM TO CURRENT NFHS AND C.I.F. (CALIFORNIA INTERSCHOLASTIC FEDERATION) GUIDELINES.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE.

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CONSULTANT

SEAL

LICENSED ARCHITECT
JAY R. TITTLE
NO. C12955
REN. 11-30-19
STATE OF CALIFORNIA

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SHEET TITLE
ENLARGED SITE PLAN

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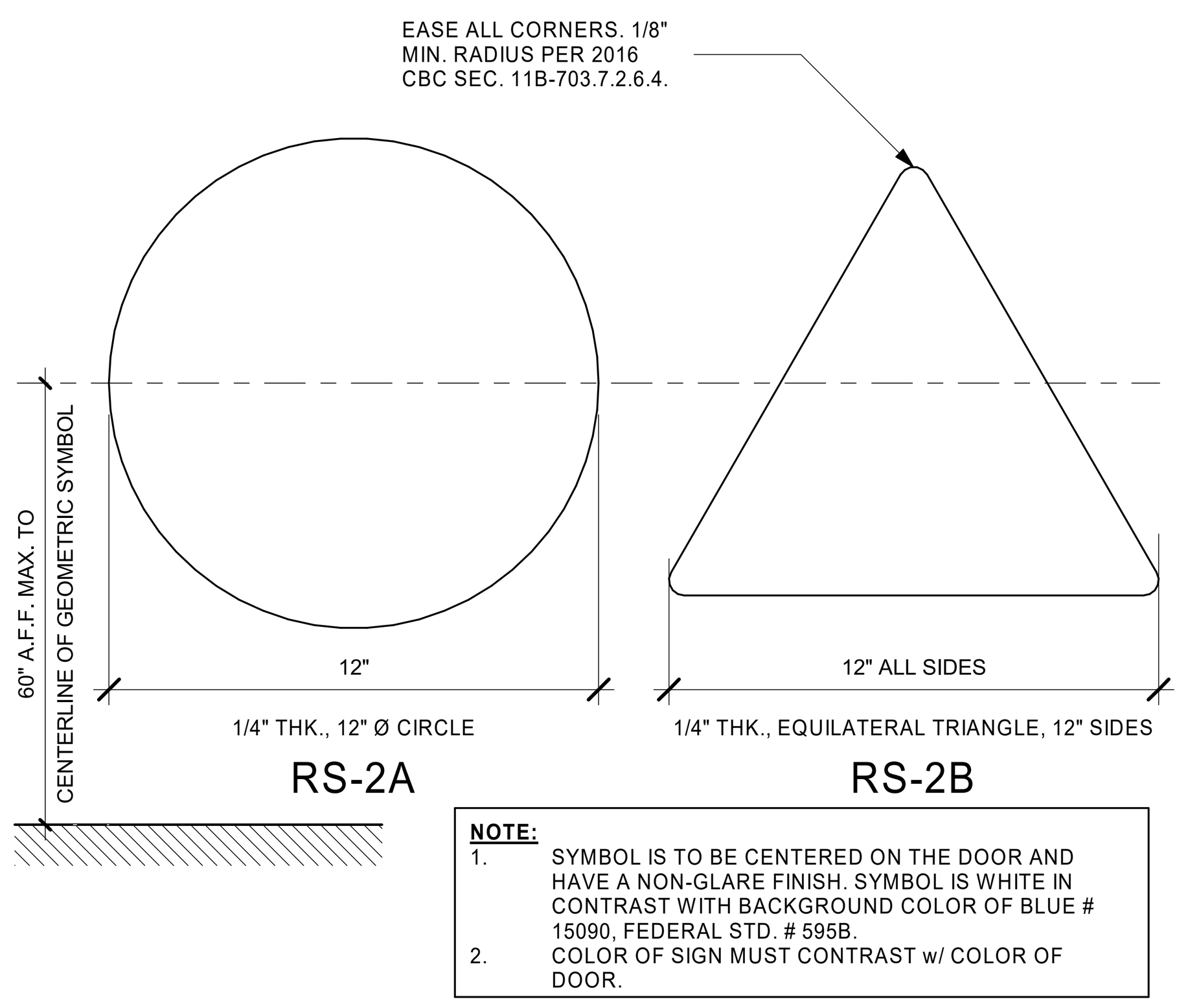
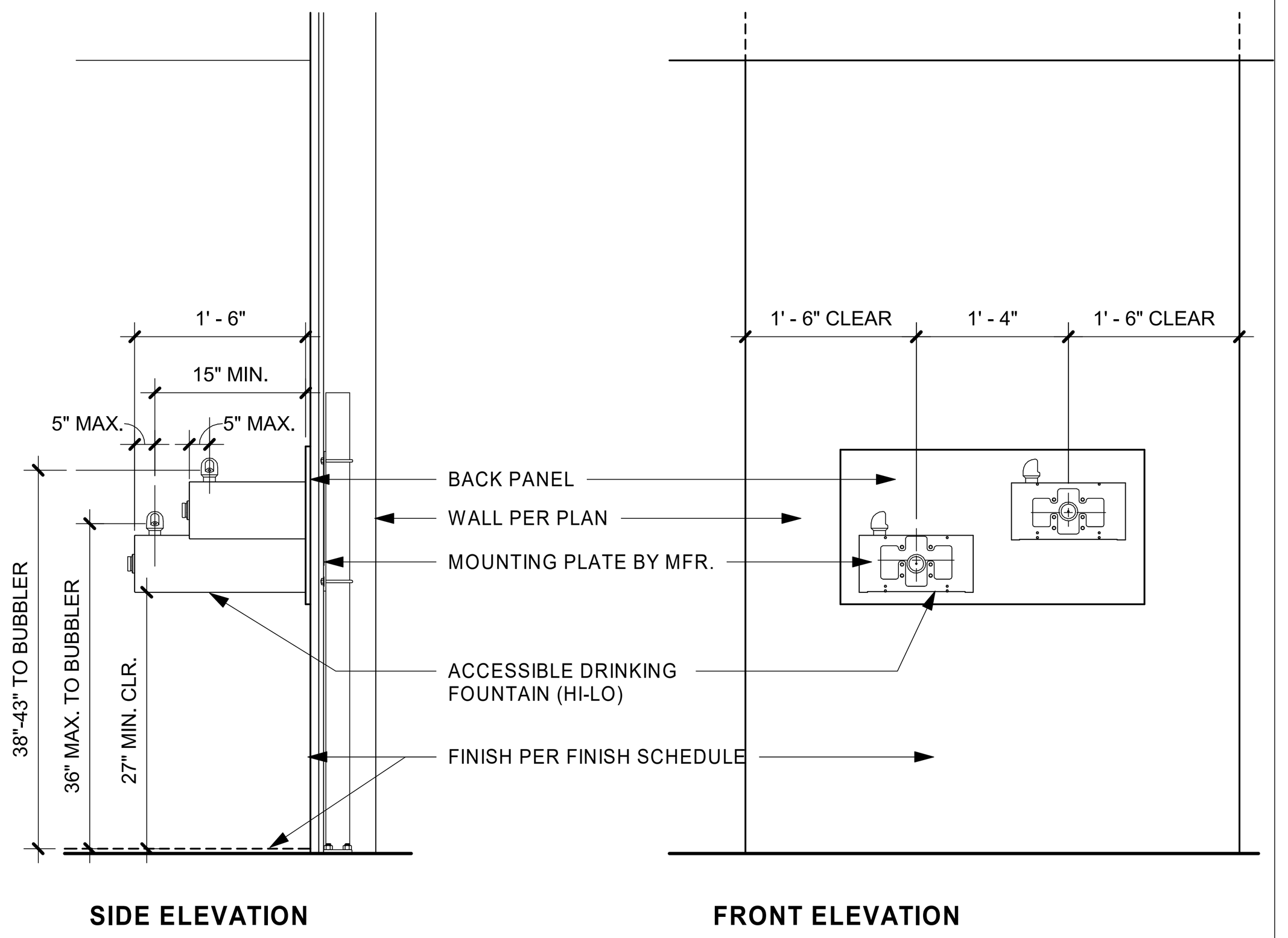


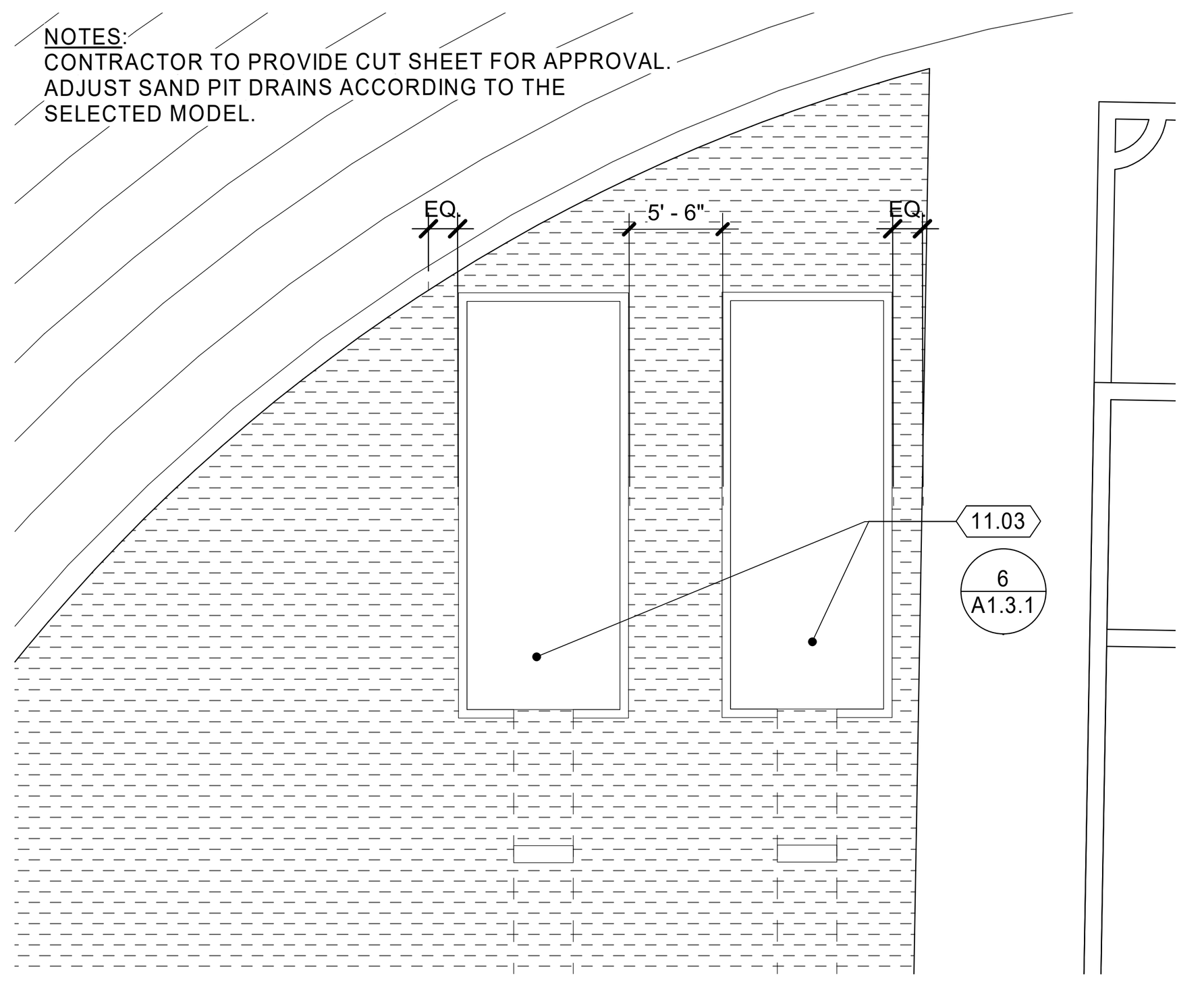
NOTE:

1. SYMBOL IS TO BE CENTERED ON THE DOOR AND HAVE A NON-GLARE FINISH. SYMBOL IS WHITE IN CONTRAST WITH BACKGROUND COLOR OF BLUE # 15090, FEDERAL STD. # 595B.
2. COLOR OF SIGN MUST CONTRAST w/ COLOR OF DOOR.

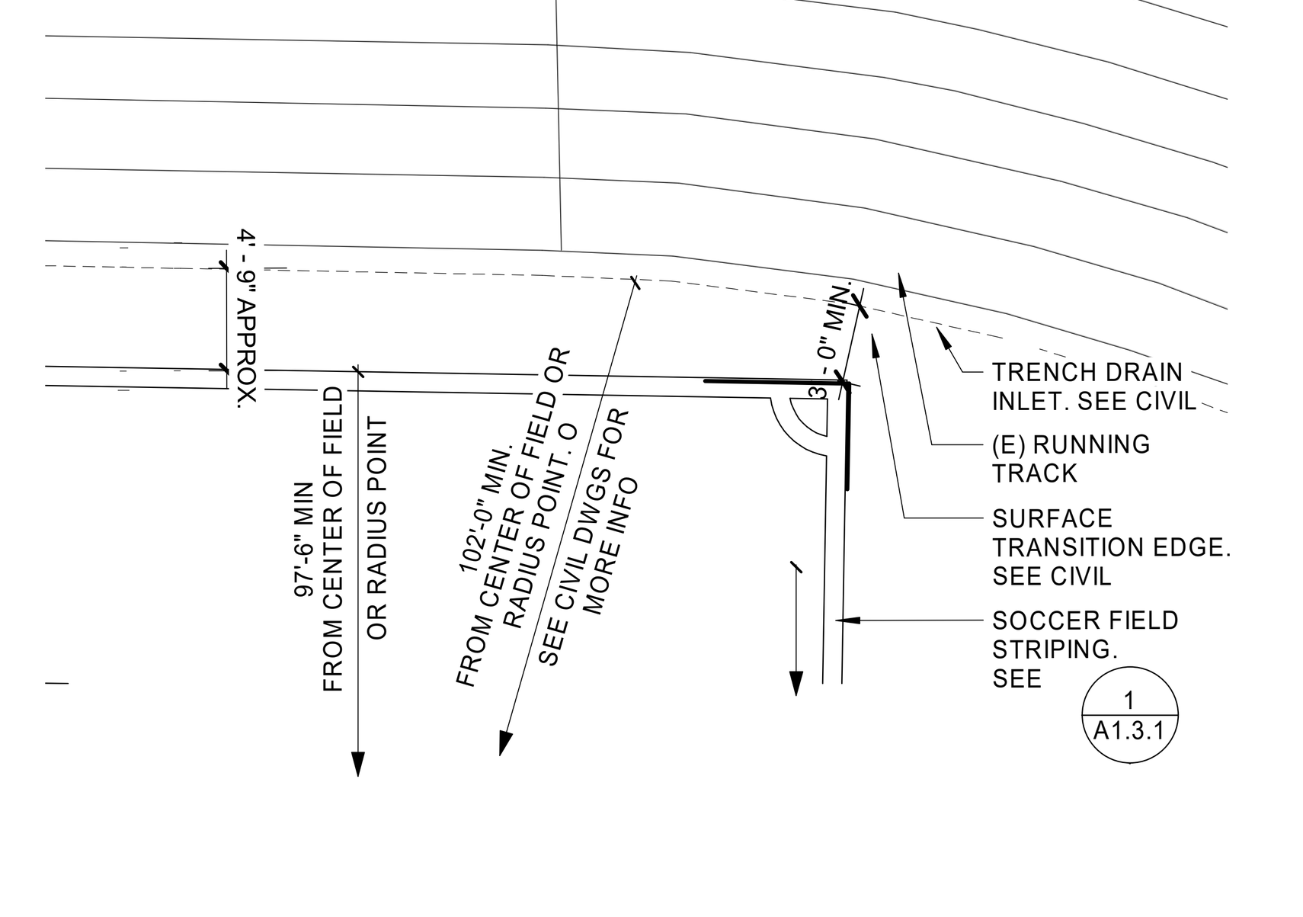
RS-2 RESTROOM GEOMETRIC SYMBOLS 7 A1.1.2
3" = 1'-0"



(E) DRINKING FOUNTAIN MOUNTING DETAIL 5 A1.1.2
3/4" = 1'-0"



ENLARGED SITE PLAN - LONG JUMP 3 A1.1.2
1" = 10'-0"



NOTES:
FOR INFORMATION ON TRENCH DRAIN & EXISTING TO NEW TRANSITION EDGE, SEE CIVIL DRAWINGS.

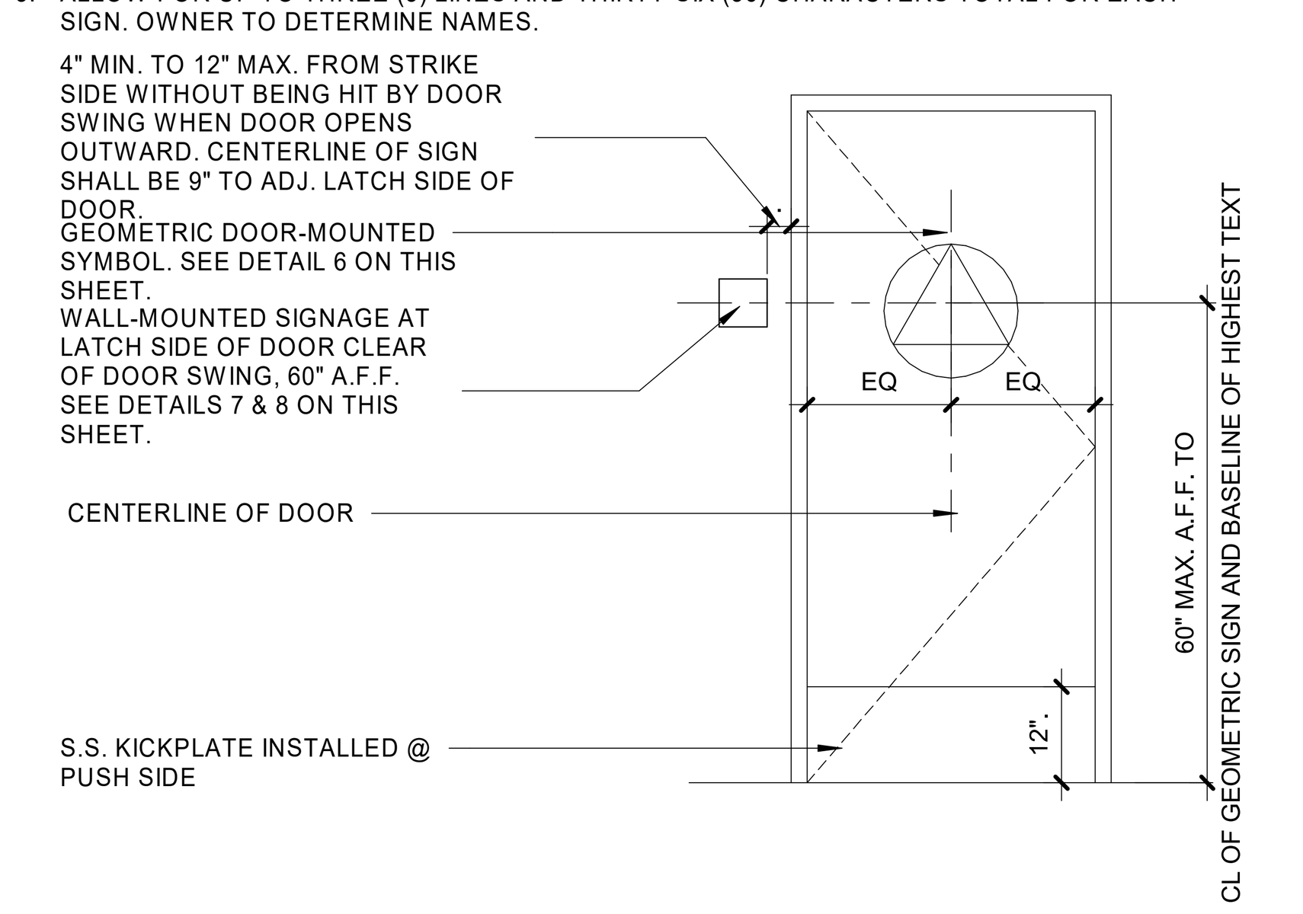
ENLARGED SITE PLAN - TRACK & FIELD 1 A1.1.2
1" = 10'-0"

KEYNOTES

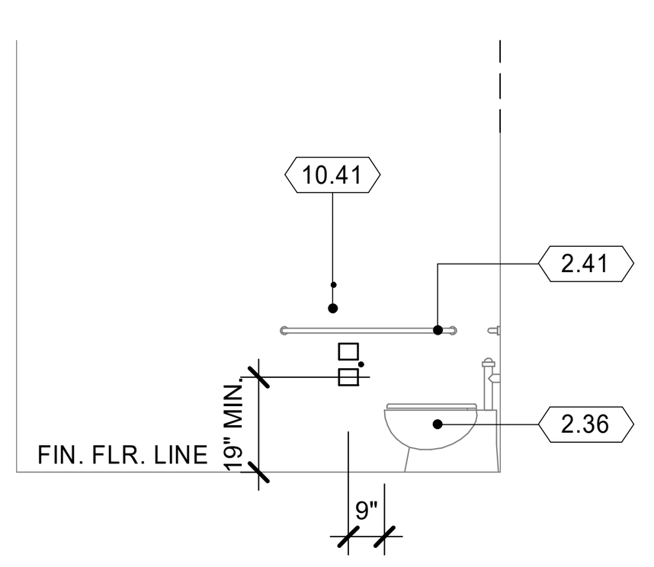
C.16	DEMO - EXISTING CMU WALL
F.01	REMOVE (E) DOOR, DOOR FRAME, THRESHOLD, AND FLOOR DOOR STOP.
2.34	(E) HI-LO DRINKING FOUNTAIN
2.35	(E) WALL-HUNG SINK
2.36	(E) FLOOR-MOUNTED WATER CLOSET
2.37	(E) WALL-HUNG URINAL
2.38	(E) ACCESSIBLE WALL-HUNG URINAL WITH RIM @ 17" A.F.F.
2.39	(E) TOILET PARTITION
2.41	(E) GRAB BARS
5.50	STEEL PIPE DRINKING FOUNTAIN BARRIER
8.04	STEEL DOOR - 08 11 13
10.08	HDPE URINAL SCREEN - 10 21 14
10.41	COMBINATION UNITS
11.01	HIGH JUMP, SEE DETAIL 6/A1.3.1 - 11 68 33.43
11.02	(POLE VAULT FACILITY, SEE DETAILS 7 & 8/A1.3.2 - 11 68 33.43
11.03	LONG/TRIPLE JUMP FACILITY, SEE DETAIL 3/A1.3.2 - 11 68 33.43
32.40	SYNTHETIC RUNNING TRACK SURFACING - 32 18 23.33

NOTES:

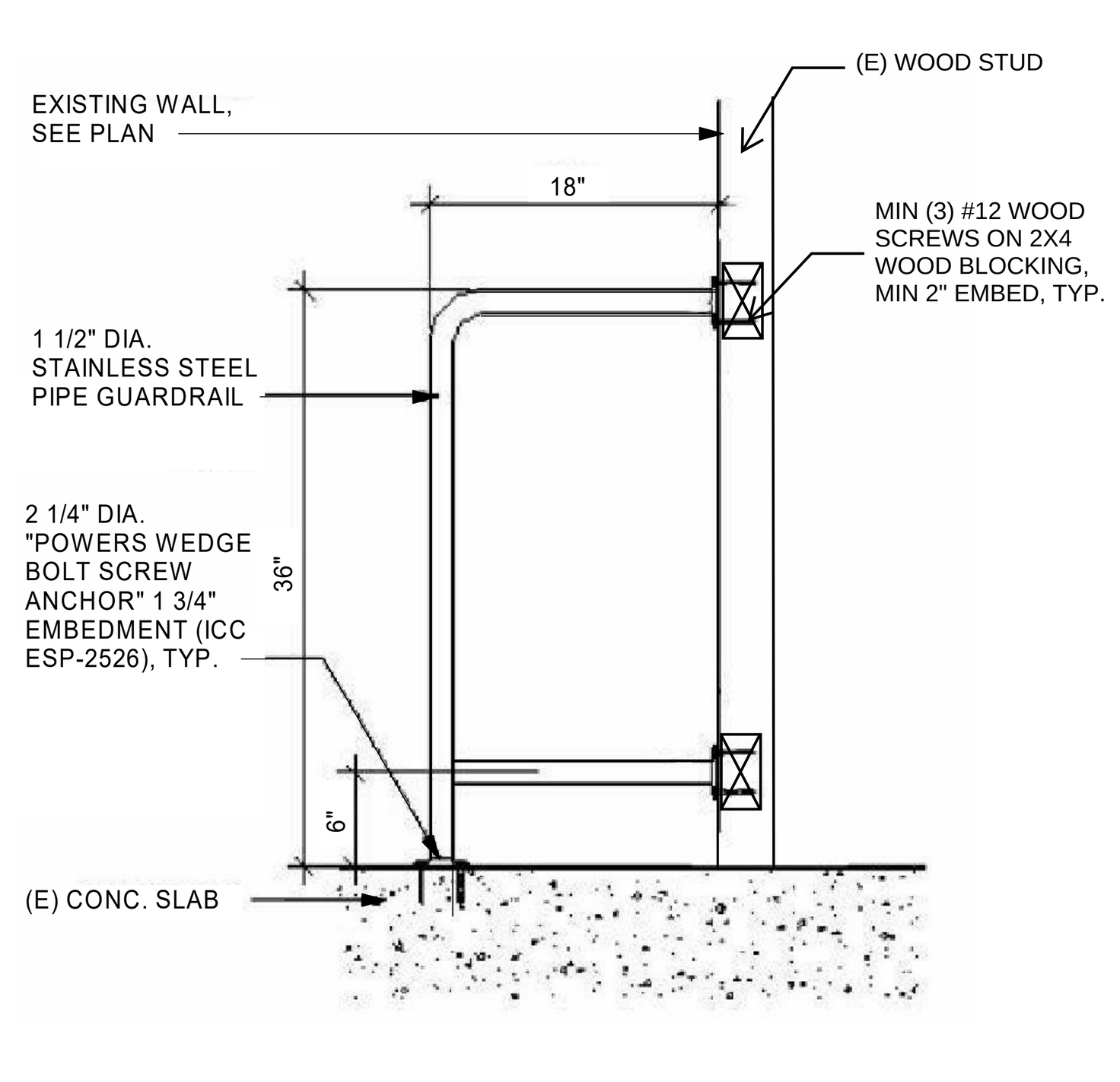
1. PROVIDE ONE SIGN FOR EACH RESTROOM DOOR. LOCATE SIGN 12" MAX. AWAY FROM DOOR STRIKE SIDE. WHERE THERE IS NO WALL SPACE ON STRIKE SIDE, PLACE ON NEAREST ADJACENT WALL.
2. SIGNAGE, SYMBOLS & BACKGROUNDS TO COMPLY w/ TITLE 24 THE AMERICANS WITH DISABILITIES ACT (A.D.A.) REQUIREMENTS. MOUNT SIGNS w/ VANDAL RESISTANT FASTENERS.
3. ALLOW FOR UP TO THREE (3) LINES AND THIRTY-SIX (36) CHARACTERS TOTAL FOR EACH SIGN. OWNER TO DETERMINE NAMES.



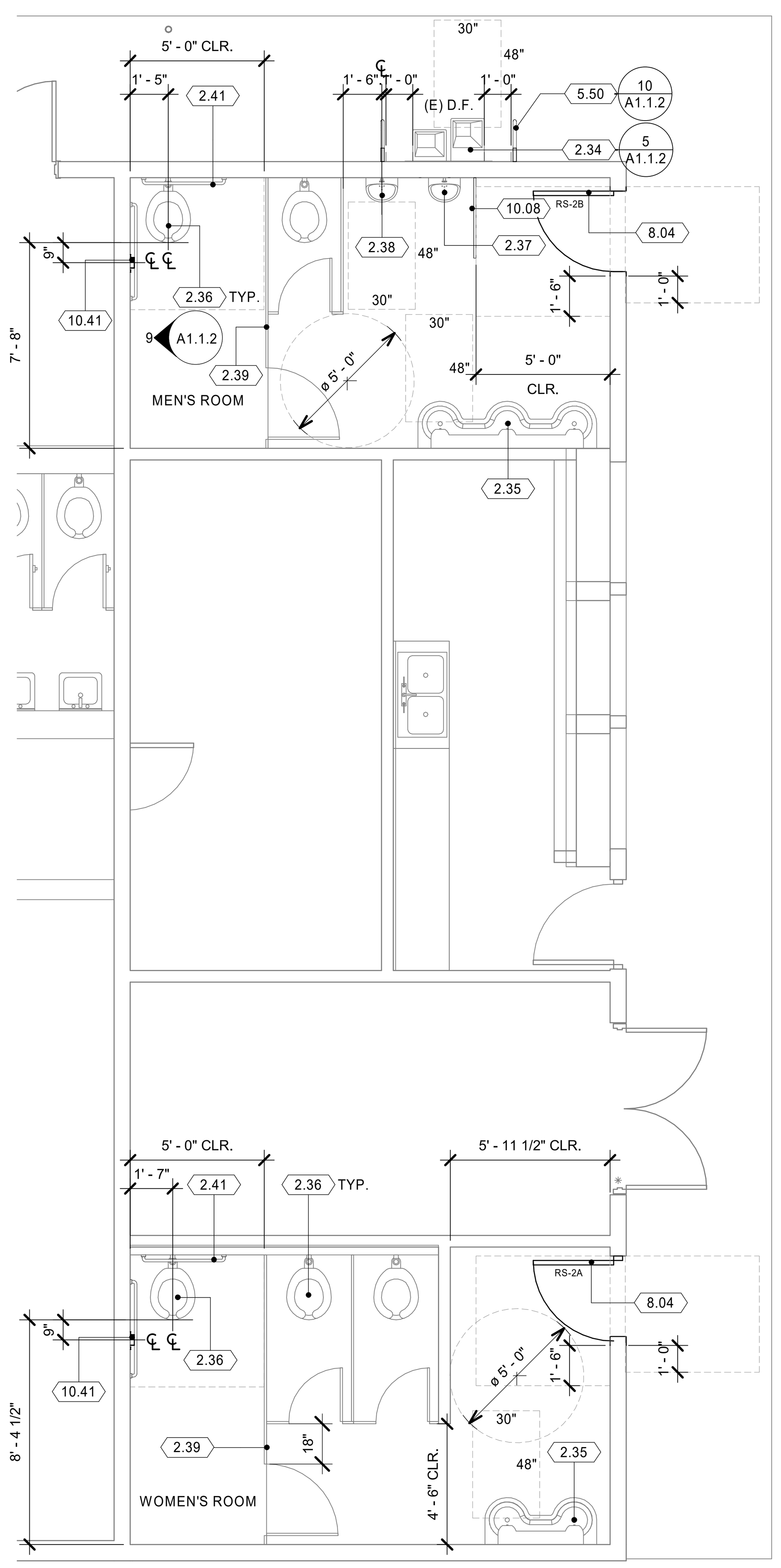
RESTROOM SIGNAGE LOCATION @ DOOR 8 A1.1.2
1 1/2" = 1'-0"



RESTROOM WEST ELEVATION, TYP. 9 A1.1.2
1/4" = 1'-0"

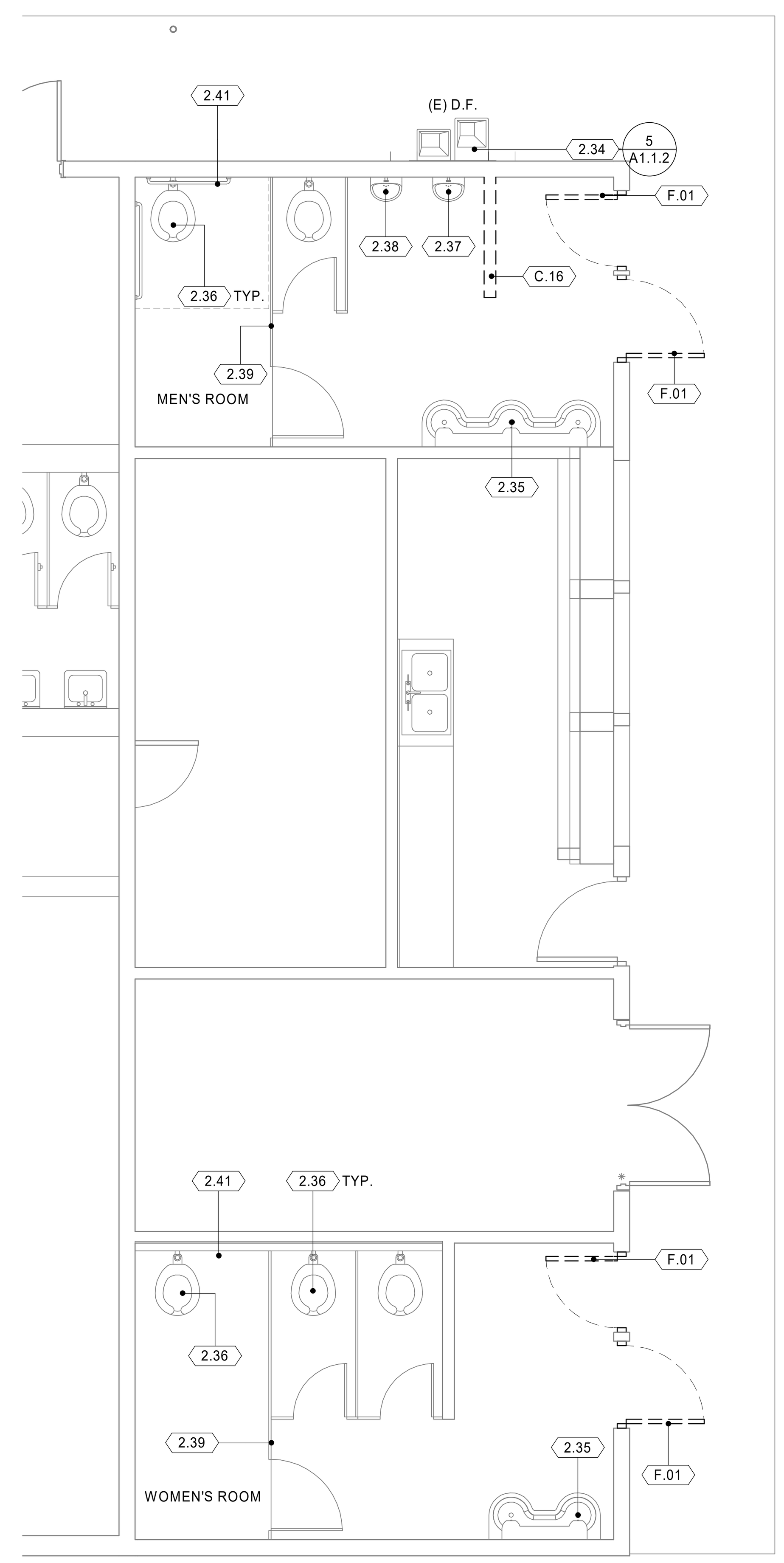


TYP. PROTECTION RAIL DETAIL 10 A1.1.2
1" = 1'-0"



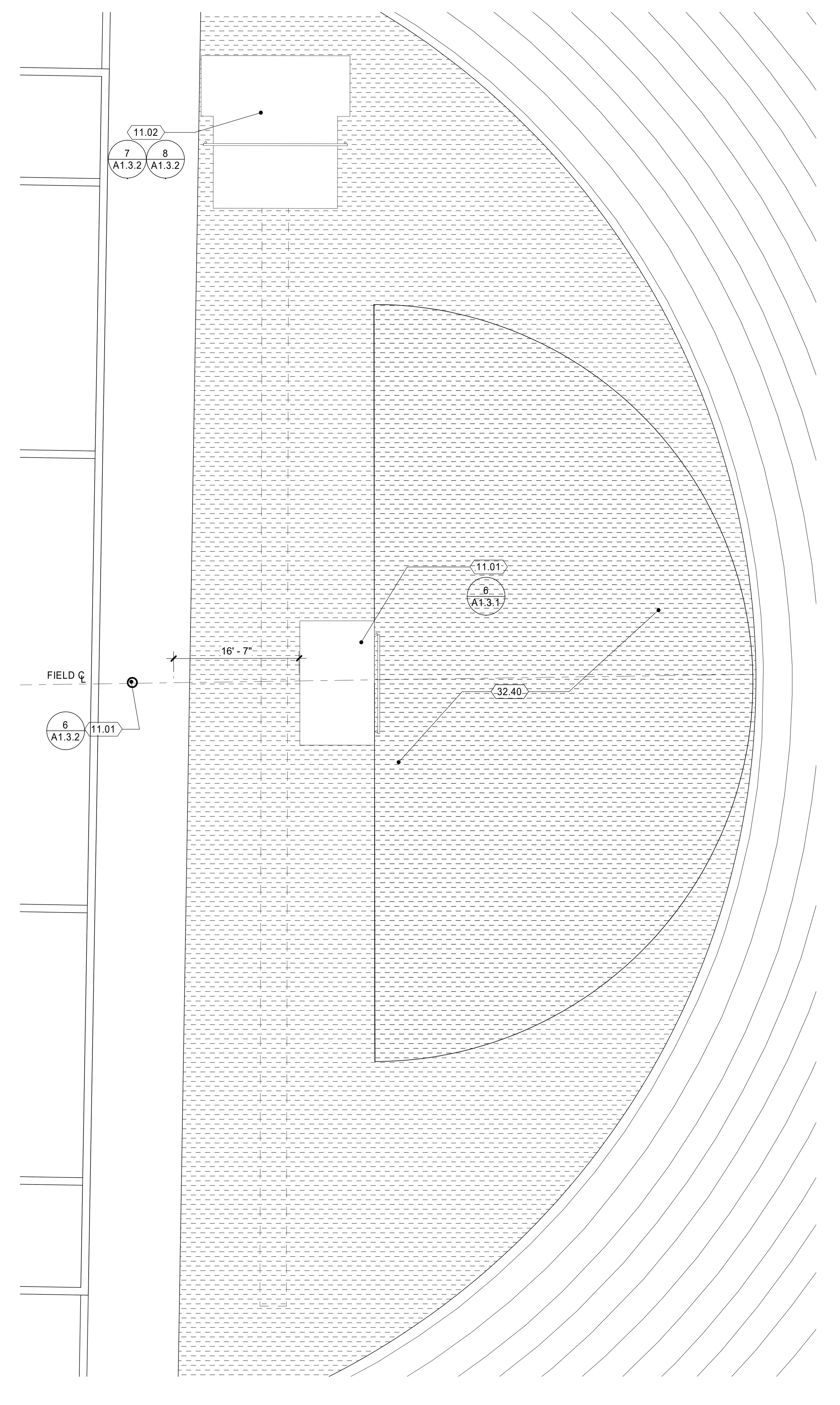
NOTE:
(E) BUILDING S PER DSA A# 03-107710

PARTIAL (E) BUILDING S FLOOR PLAN 6 A1.1.2
1/4" = 1'-0"



NOTE:
(E) BUILDING S PER DSA A# 03-107710

PARTIAL (E) BUILDING S DEMO PLAN PER DSA A# 03-107710 4 A1.1.2
1/4" = 1'-0"



NOTES:
CONTRACTOR TO PROVIDE CUT SHEET FOR APPROVAL.
ADJUST THE DIMENSION ACCORDING TO THE SELECTED MODEL.

ENLARGED SITE PLAN - TRACK & FIELD 2 A1.1.2
1" = 10'-0"

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AGENCY REVIEW

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP. 03-120007 INC: 1
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LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

1300 Dove Street, Suite 100
Newport Beach, CA. 92660
T: 949.698.1400
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CLIENT NAME

OXNARD UNION HIGH SCHOOL DISTRICT

PROJECT NAME

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD, OXNARD, CA. 93033

CONSULTANT

SEAL

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DSA SUBMITTAL

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JT
PROJECT MANAGER
LEB
DESIGN TEAM
FM/ RG/ CL/ JR/ TA

PROJECT NAME
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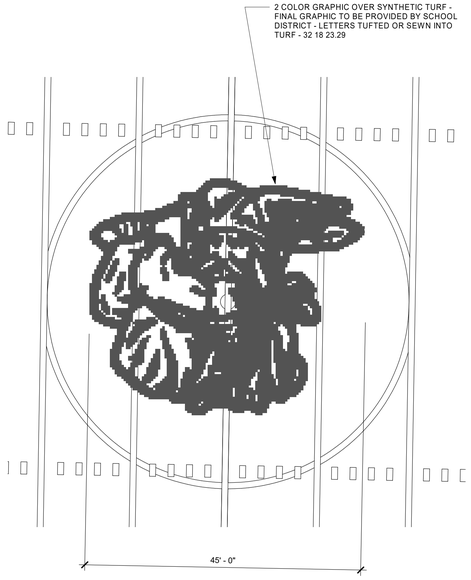
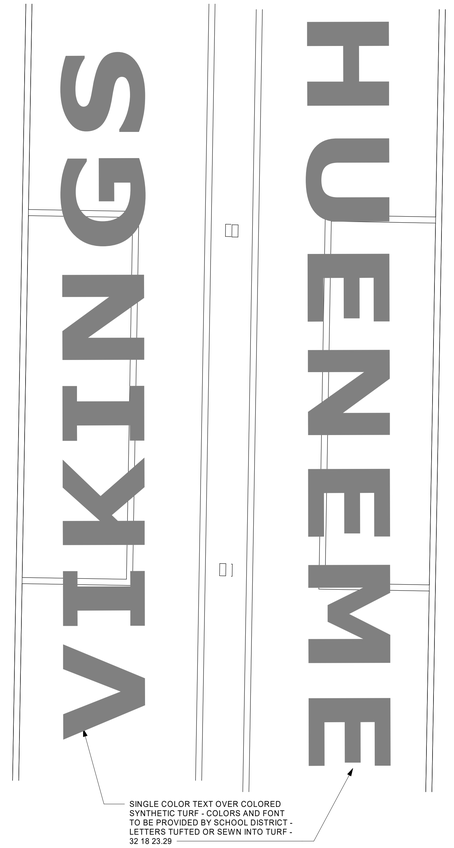
PROJECT NO.
6121235302

SHEET TITLE
ENLARGED SITE PLAN, BUILDING S PLAN AND DETAILS

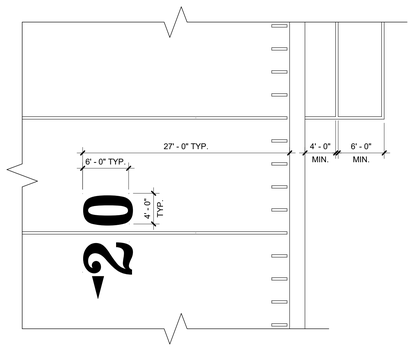
SHEET NUMBER
A1.1.2



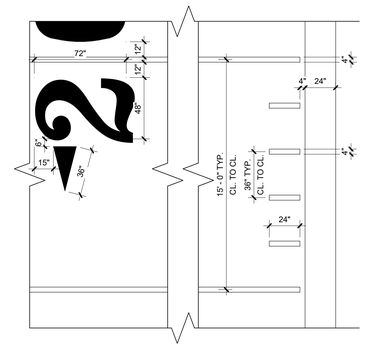
MID-FIELD TEAM LOGO 7
1" = 10'-0" A1.3.1



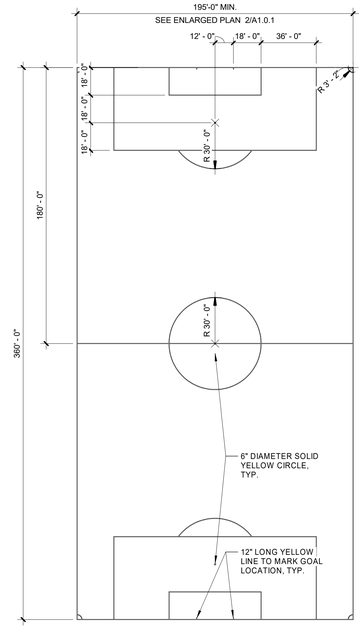
ENDZONE TEXT 5
1" = 10'-0" A1.3.1



ENLARGED STRIPING DETAIL 3
1/8" = 1'-0" A1.3.1

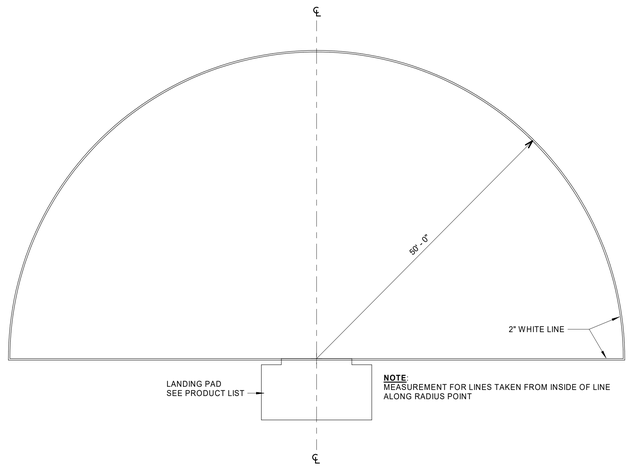


ENLARGED STRIPING DETAIL 4
1/4" = 1'-0" A1.3.1



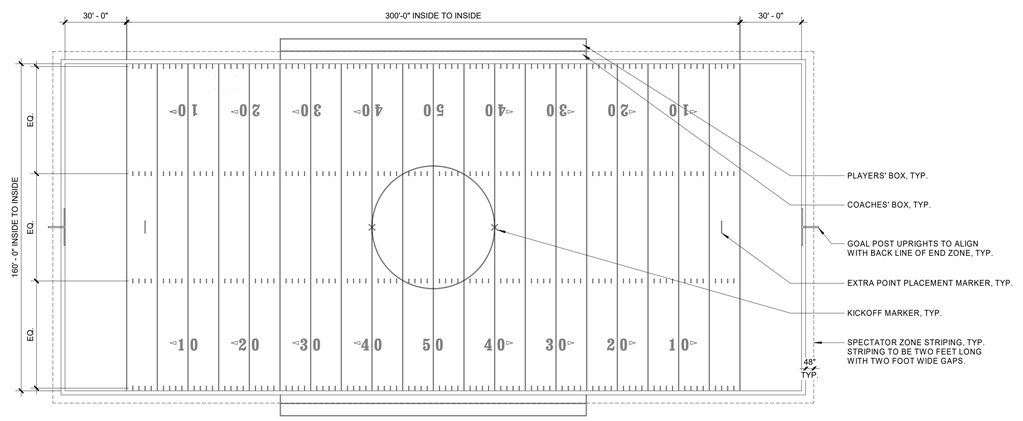
NOTES:
1. DIMENSIONS ARE SHOWN FROM OUTSIDE TO OUTSIDE OF 4" WIDE LINE.
2. SOCCER FIELD STRIPING SHALL BE INLAID OR TUFTED 4" WIDE YELLOW LINES.
3. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE.
4. ALL FIELD MARKINGS SHALL CONFORM TO CURRENT NFHS AND C.I.F (CALIFORNIA, INTERSCHOLASTIC FEDERATION) GUIDELINES.

SOCCER FIELD STRIPING 1
1" = 40'-0" A1.3.1



HIGH JUMP STRIPING 6
1" = 10'-0" A1.3.1

NOTES:
1. ALL DIMENSIONS ARE TYPICAL.
2. ALL STADIUM FOOTBALL FIELD STRIPING (INCLUDING HASH MARKS AND NUMBERS) SHOWN ON DETAIL, SHALL BE INLAID OR TUFTED WHITE LINES.
3. THE STADIUM FOOTBALL FIELD COACHES' BOX AND PLAYERS' BOX EXTEND FROM 25 YARD LINE TO 25 YARD LINE, AND HAVE SAME DIMENSIONS.
4. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW AND ACCEPTANCE.
5. ALL FIELD MARKINGS SHALL CONFORM TO CURRENT NFHS AND C.I.F. (CALIFORNIA INTERSCHOLASTIC FEDERATION) GUIDELINES.
6. REFER TO SPECIFICATIONS, SITE FURNISHINGS AND SYNTHETIC TURF PLAYING FIELD.



FOOTBALL FIELD STRIPING 2
1" = 30'-0" A1.3.1

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TRACK & FIELD
IMPROVEMENTS - INC 1

PROJECT NO.
6121235302

SHEET TITLE
T+F STRIPING DETAILS

SHEET NUMBER
A1.3.1

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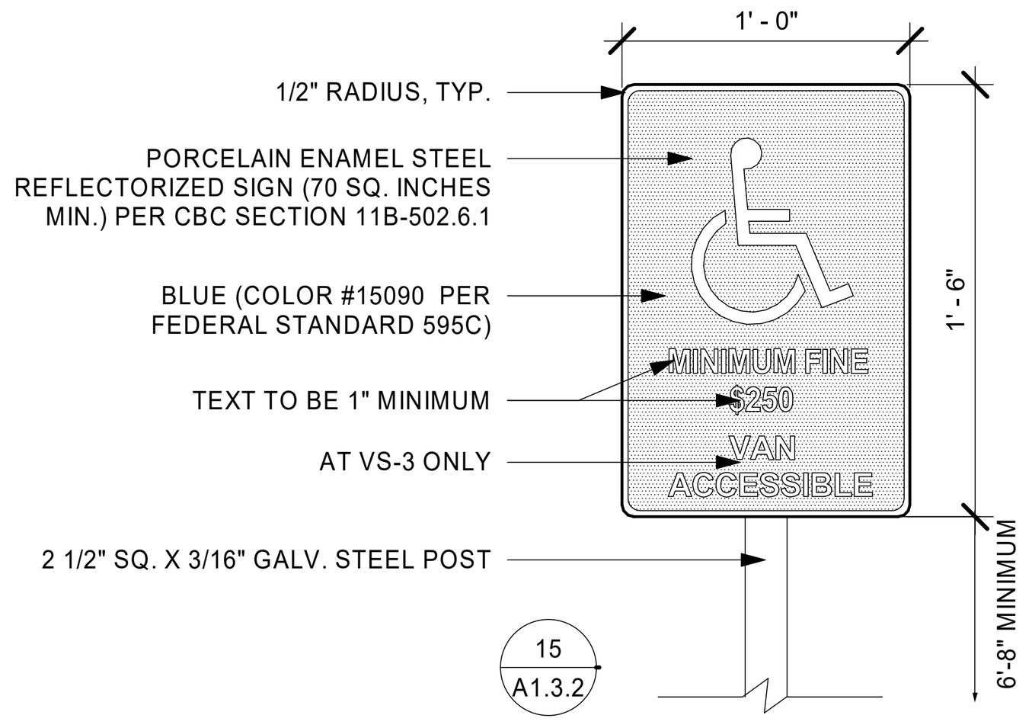


NOTES:

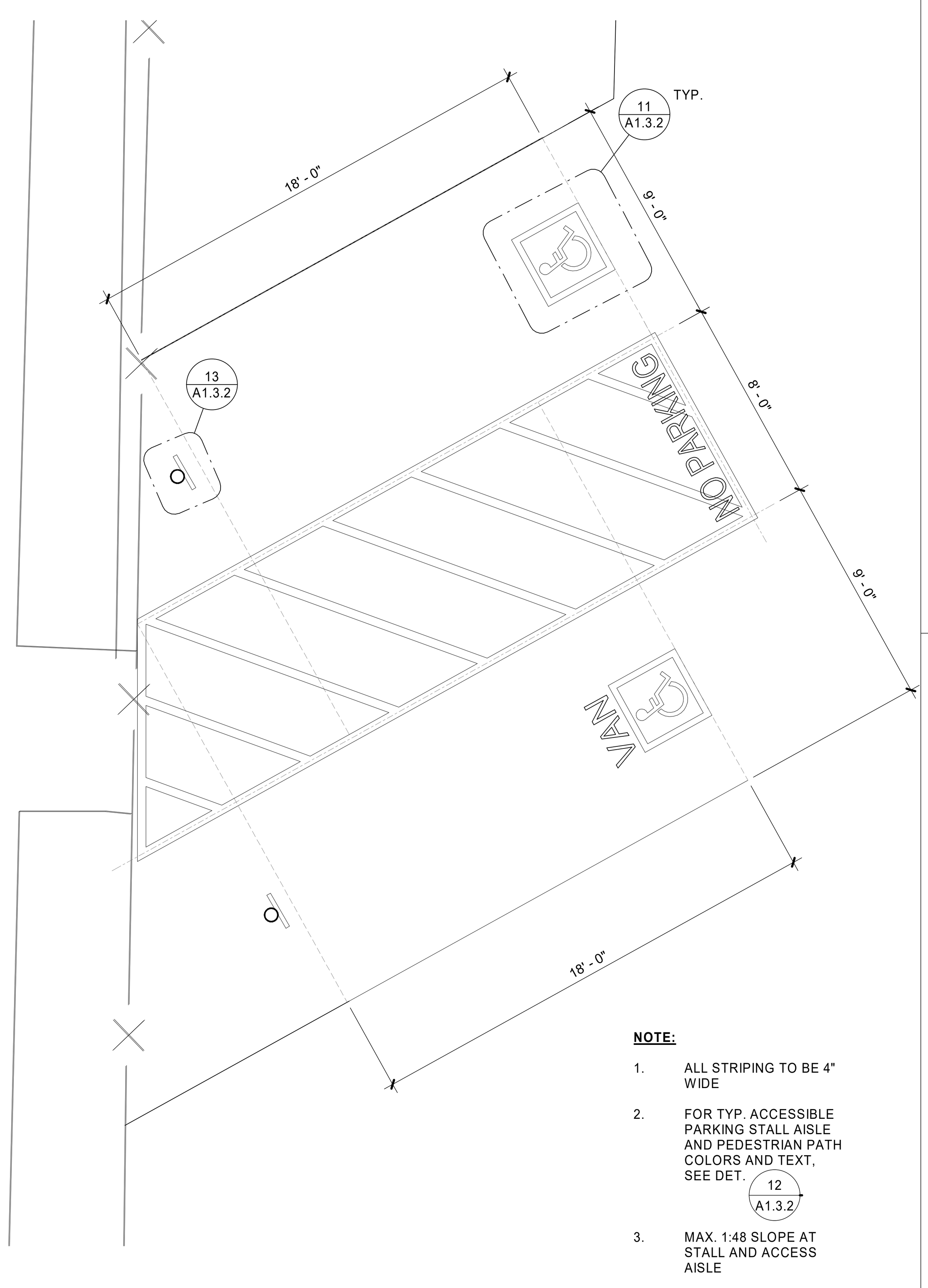
1. SIGN SHALL BE POSTED AT EACH ACCESSIBLE PARKING STALL PER PLANS.
2. "VAN ACCESSIBLE" SIGN SHALL BE DISPLAYED AT VAN ACCESSIBLE STALLS PER PLANS. VS-3
3. FOR TYPICAL ACCESSIBLE STALLS, EXCLUDE "VAN ACCESSIBLE" TEXT. VS-2

NOTES:

1. LOCATE SIGNS PER PLANS AND AS DIRECTED BY ARCHITECT.
2. PROVIDE MECHANICAL MOUNTING W/ VANDAL-RESISTANT FASTENERS. COMPLY W/ TITLE 24 AND AMERICANS WITH DISABILITIES ACT (A.D.A.) REQUIREMENTS.
3. CHARACTER PROPORTIONS SHALL BE PER CBC 11B-703.2.4.
4. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.1 (70%MIN.).
5. LETTERS, NUMBERS AND GRAPHICS ON SIGNS SHALL BE SANS-SERIF UPPERCASE CHARACTERS.

VS-2
VAN ACCESSIBLE VS-3

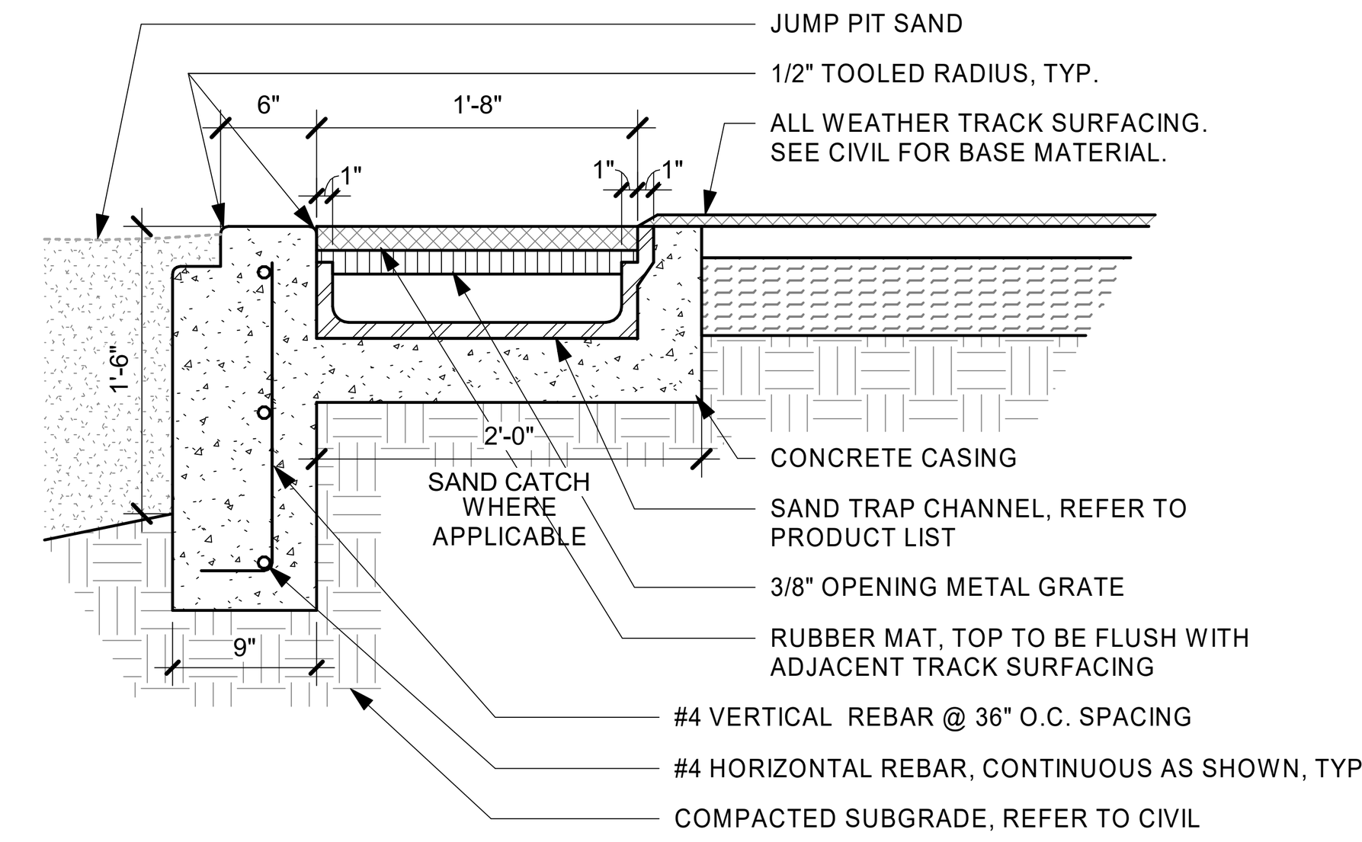
TYP. ACCESSIBLE PARKING STALL SIGNAGE 13 A1.3.2
1 1/2" = 1'-0"



NOTES:

1. ALL STRIPING TO BE 4" WIDE
2. FOR TYP. ACCESSIBLE PARKING STALL AISLE AND PEDESTRIAN PATH COLORS AND TEXT, SEE DET. 12 A1.3.2
3. MAX. 1:48 SLOPE AT STALL AND ACCESS AISLE

ACCESSIBLE PARKING PLAN 10 A1.3.2
1/4" = 1'-0"



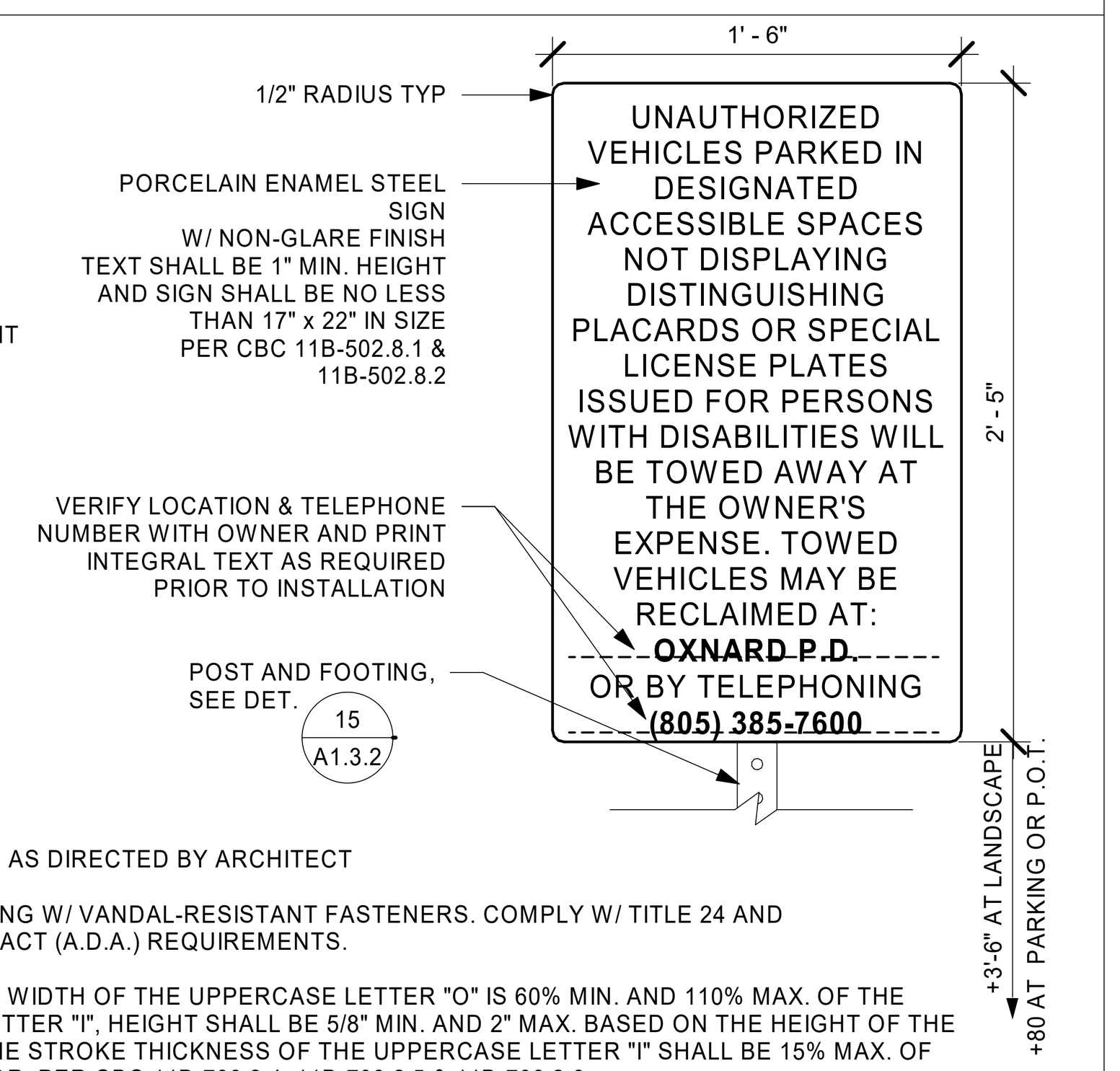
SAND PIT CURB AND SAND CATCHER 5 A1.3.2
1" = 1'-0"

1. ALL DRAWINGS DEPICTING IN-GROUND EQUIPMENT ARE FOR BIDDING ONLY. REFER TO PRODUCT LIST AND SHOP DRAWINGS FOR INSTALLATION DIMENSIONS AND INSTRUCTIONS.

EQUIPMENT NOTES 1 A1.3.2
12" = 1'-0"

NOTES:

1. SIGN SHALL BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO THE OFF-STREET PARKING FACILITY. SEE SITE PLANS FOR LOCATIONS.
2. ALL TEXT SHALL BE A PERMANENT PART OF SIGN.

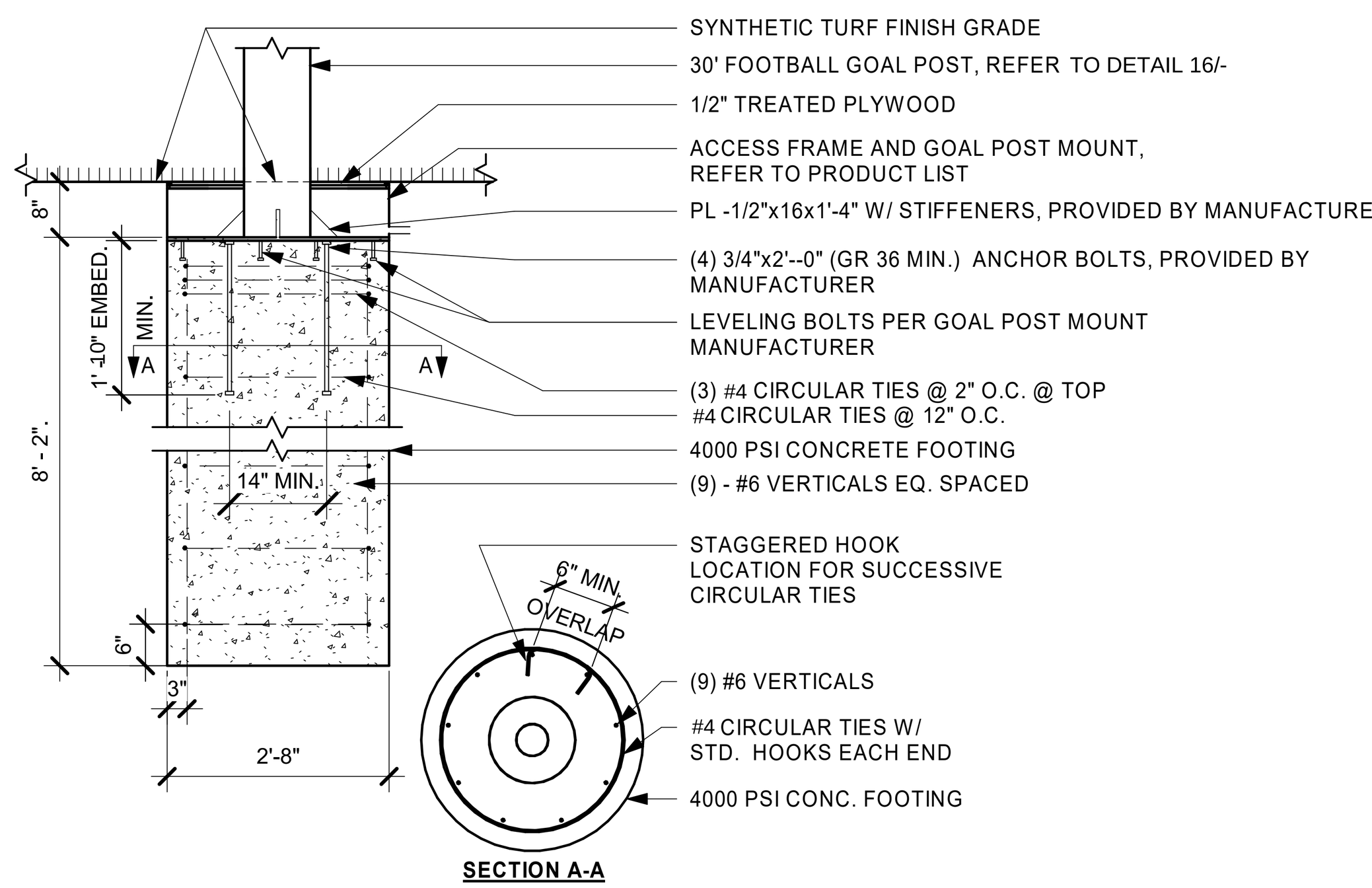


NOTES:

1. LOCATE SIGNS PER PLANS AND AS DIRECTED BY ARCHITECT
2. PROVIDE MECHANICAL MOUNTING W/ VANDAL-RESISTANT FASTENERS. COMPLY W/ TITLE 24 AND AMERICANS WITH DISABILITIES ACT (A.D.A.) REQUIREMENTS.
3. CHARACTERS SHALL HAVE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60% MIN. AND 110% MAX. OF THE HEIGHT OF THE UPPERCASE LETTER "I", HEIGHT SHALL BE 5/8" MIN. AND 2" MAX. BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I", AND THE STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAX. OF THE HEIGHT OF THE CHARACTOR, PER CBC 11B-703.2.4, 11B-703.2.5 & 11B-703.2.6.
4. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND PER CBC 11B-703.5.1.
5. LETTERS, NUMBERS AND GRAPHICS ON SIGNS SHALL BE SANS-SERIF UPPERCASE CHARACTERS.

VS-1

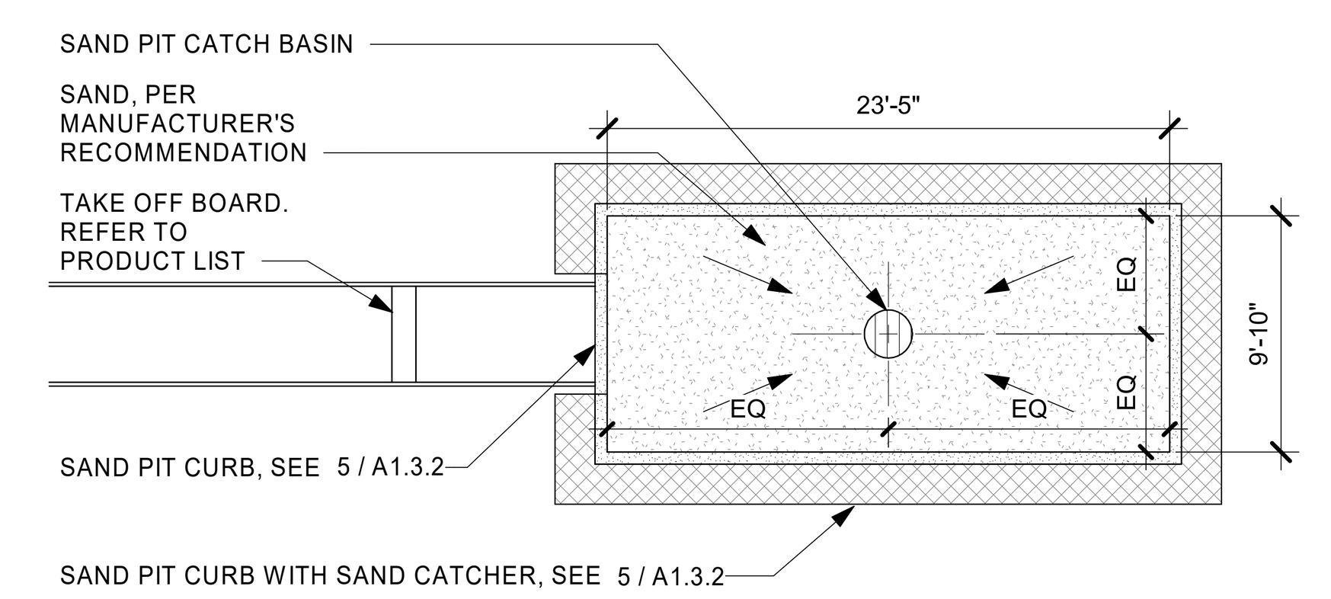
ACCESSIBLE PARKING ENTRANCE SIGNAGE 14 A1.3.2
1 1/2" = 1'-0"



NOTES:

1. ENSURE THAT THE FRONT EDGES OF THE CROSSBARS ARE 360'-0" FROM EACH OTHER, AND THAT THE FRONT EDGE OF THE CROSSBAR IS IN LINE WITH THE FRONT EDGE OF THE BACK LINE OF THE FOOTBALL END ZONE.
2. INSTALL THE GOAL POSTS SO THAT THE TOP OF THE CROSSBARS ARE 10 FEET ABOVE THE FINISH GRADE OF THE TURF, MEASURED AT THE CENTER OF THE CROSSBAR.

FOOTBALL GOAL POST 6 A1.3.2
1/2" = 1'-0"

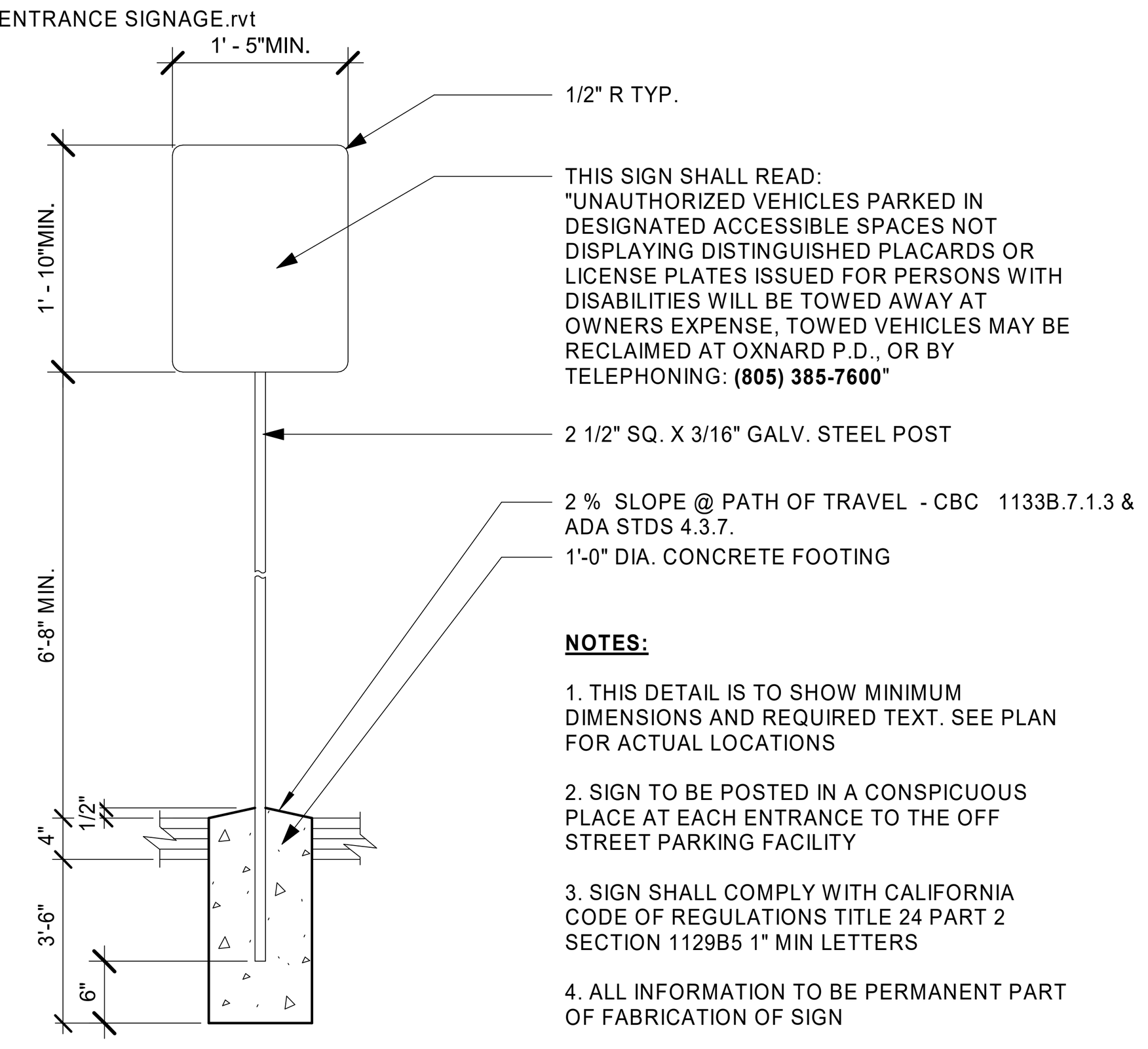


NOTES:

1. FOR PRODUCT MANUFACTURER AND MODEL NUMBER, REFER TO LIST.
2. SAND TO BE LEVEL WITH TOP OF ADJACENT SAND CATCHER SYSTEM.
3. THIS DETAIL IS FOR POURED-IN-PLACE JUMP PIT.

SAND PIT / TAKE OFF STRIPING 2 A1.3.2
1/8" = 1'-0"

ACCESSIBLE PARKING ENTRANCE SIGNAGE.rvt



THIS SIGN SHALL READ: "UNAUTHORIZED VEHICLES PARKED IN DESIGNATED ACCESSIBLE SPACES NOT DISPLAYING DISTINGUISHED PLACARDS OR LICENSE PLATES ISSUED FOR PERSONS WITH DISABILITIES WILL BE TOWED AWAY AT OWNERS EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT OXNARD P.D., OR BY TELEPHONING: **(805) 385-7600**"

NOTES:

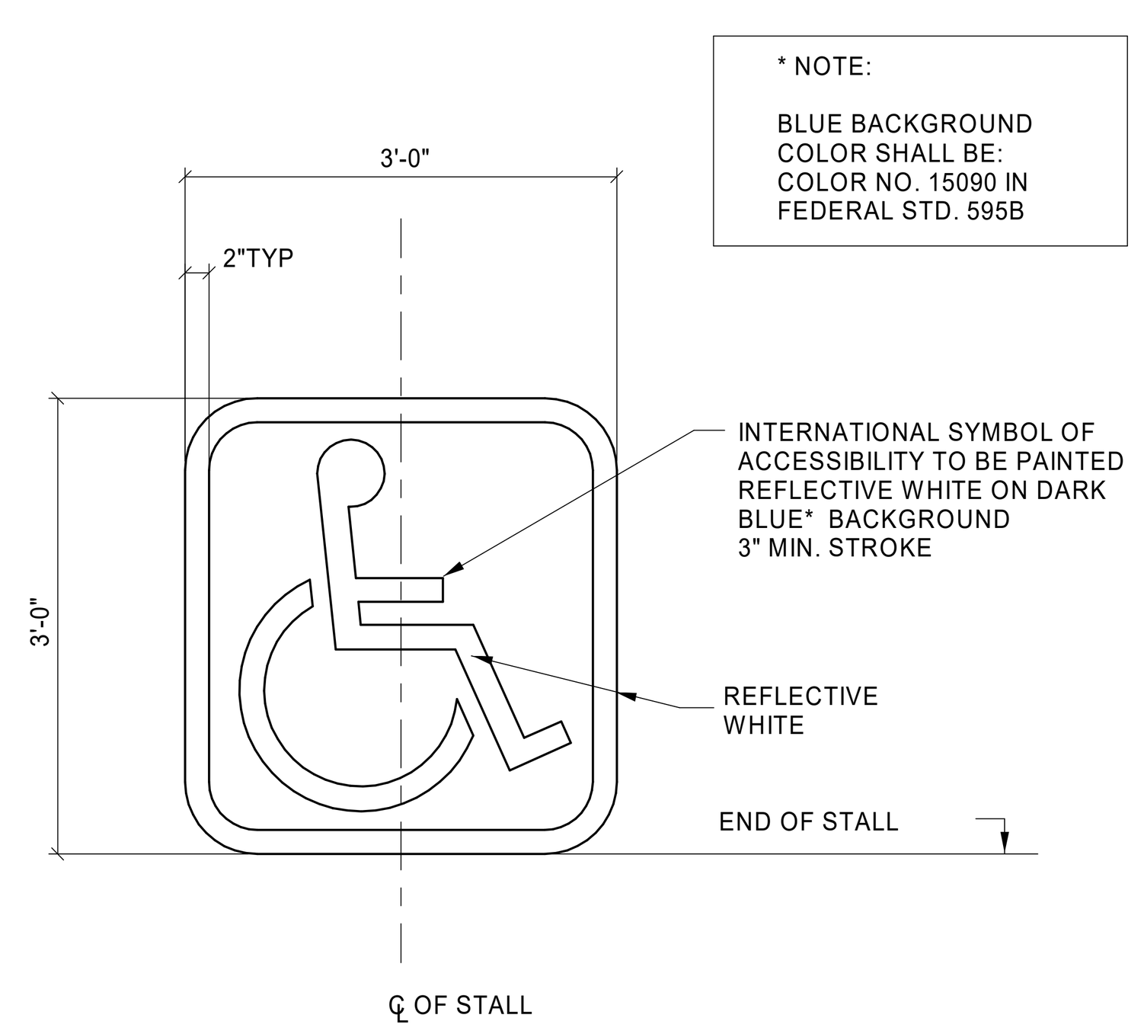
1. THIS DETAIL IS TO SHOW MINIMUM DIMENSIONS AND REQUIRED TEXT. SEE PLAN FOR ACTUAL LOCATIONS
2. SIGN TO BE POSTED IN A CONSPICUOUS PLACE AT EACH ENTRANCE TO THE OFF STREET PARKING FACILITY
3. SIGN SHALL COMPLY WITH CALIFORNIA CODE OF REGULATIONS TITLE 24 PART 2 SECTION 1129B5 1" MIN LETTERS
4. ALL INFORMATION TO BE PERMANENT PART OF FABRICATION OF SIGN

ACCESSIBLE PARKING ENTRANCE SIGNAGE 15 A1.3.2
3/4" = 1'-0"

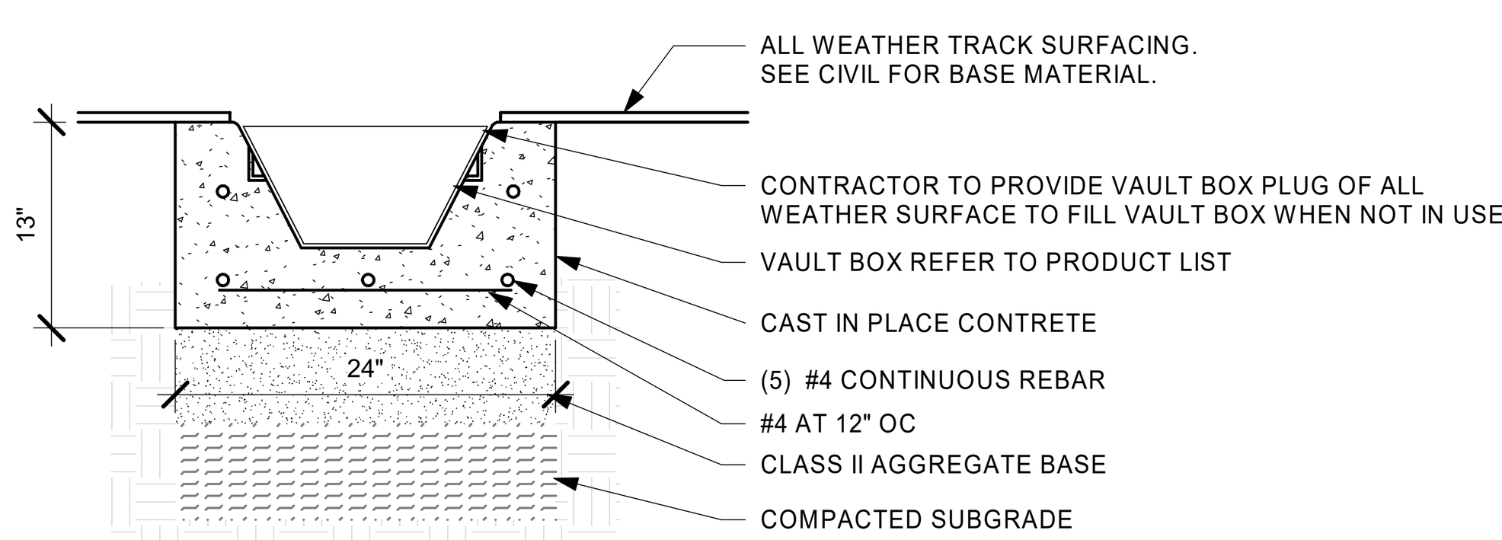
ISA SYMBOL.rvt

* NOTE:

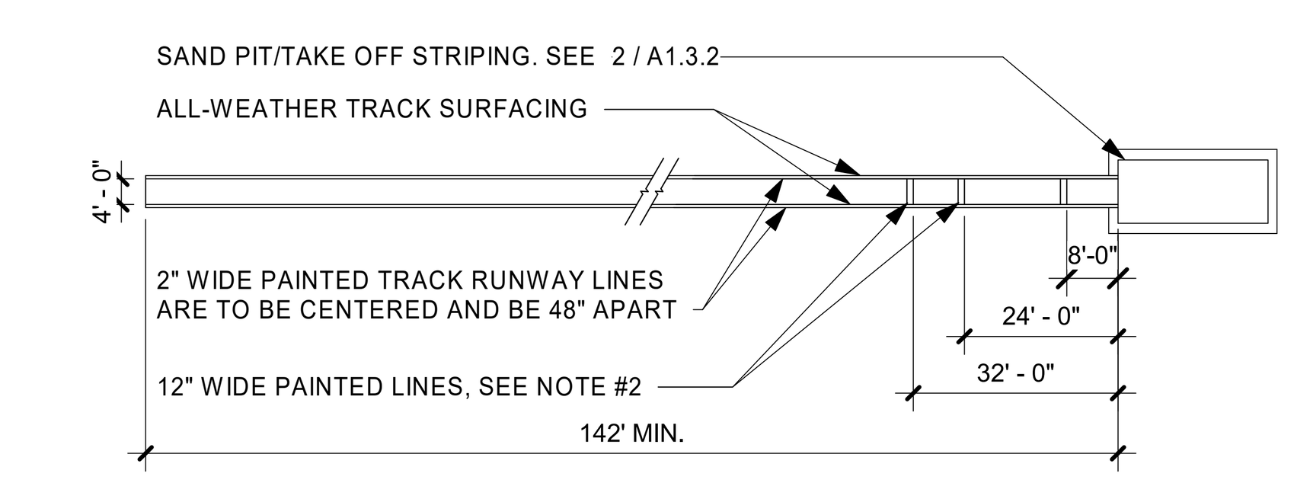
BLUE BACKGROUND COLOR SHALL BE: COLOR NO. 15090 IN FEDERAL STD. 595B



INTERNATIONAL SIGN OF ACCESSIBILITY SYMBOL 11 A1.3.2
3/4" = 1'-0"



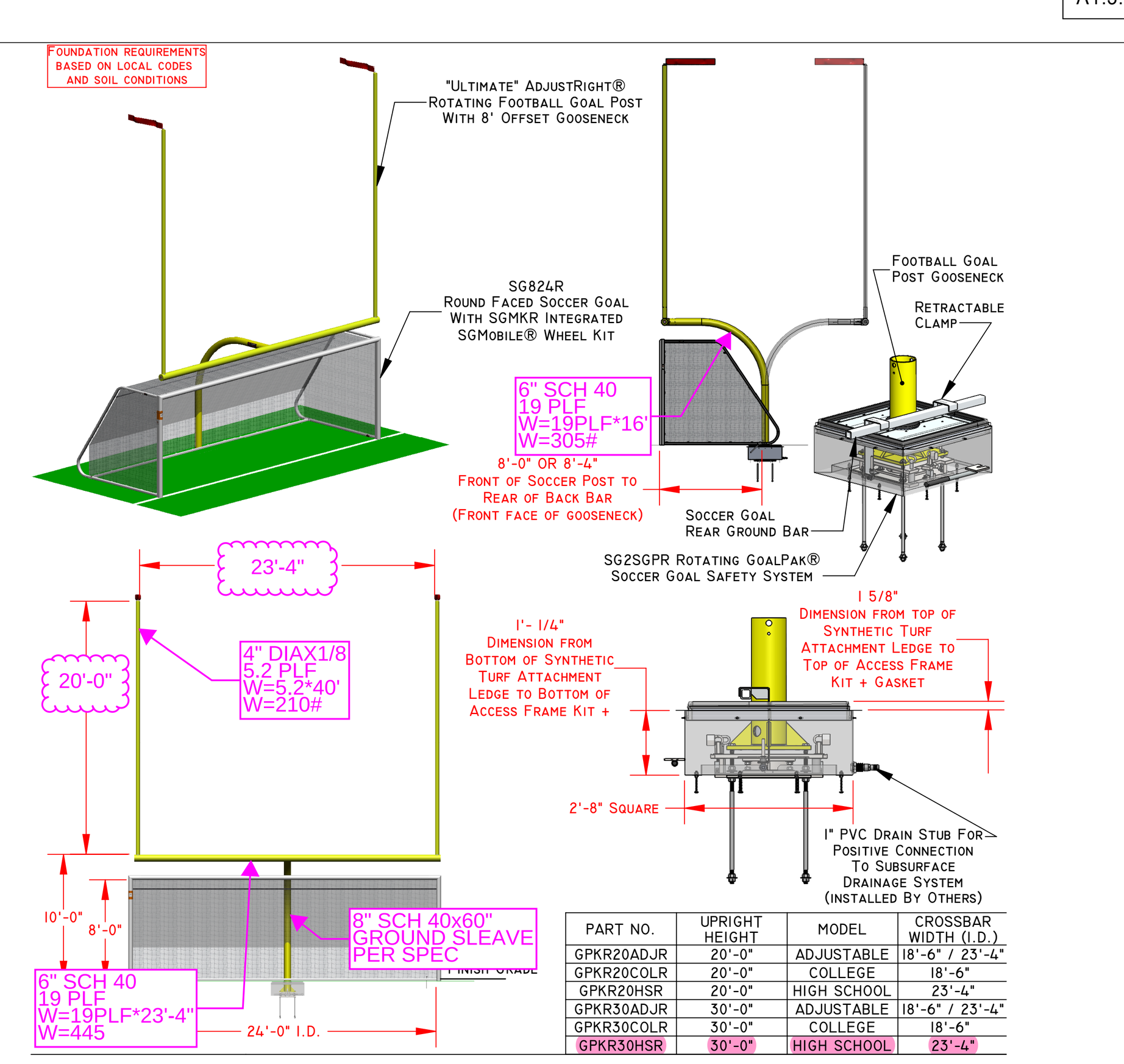
POLE VAULT BOX 7 A1.3.2
1" = 1'-0"



NOTES:

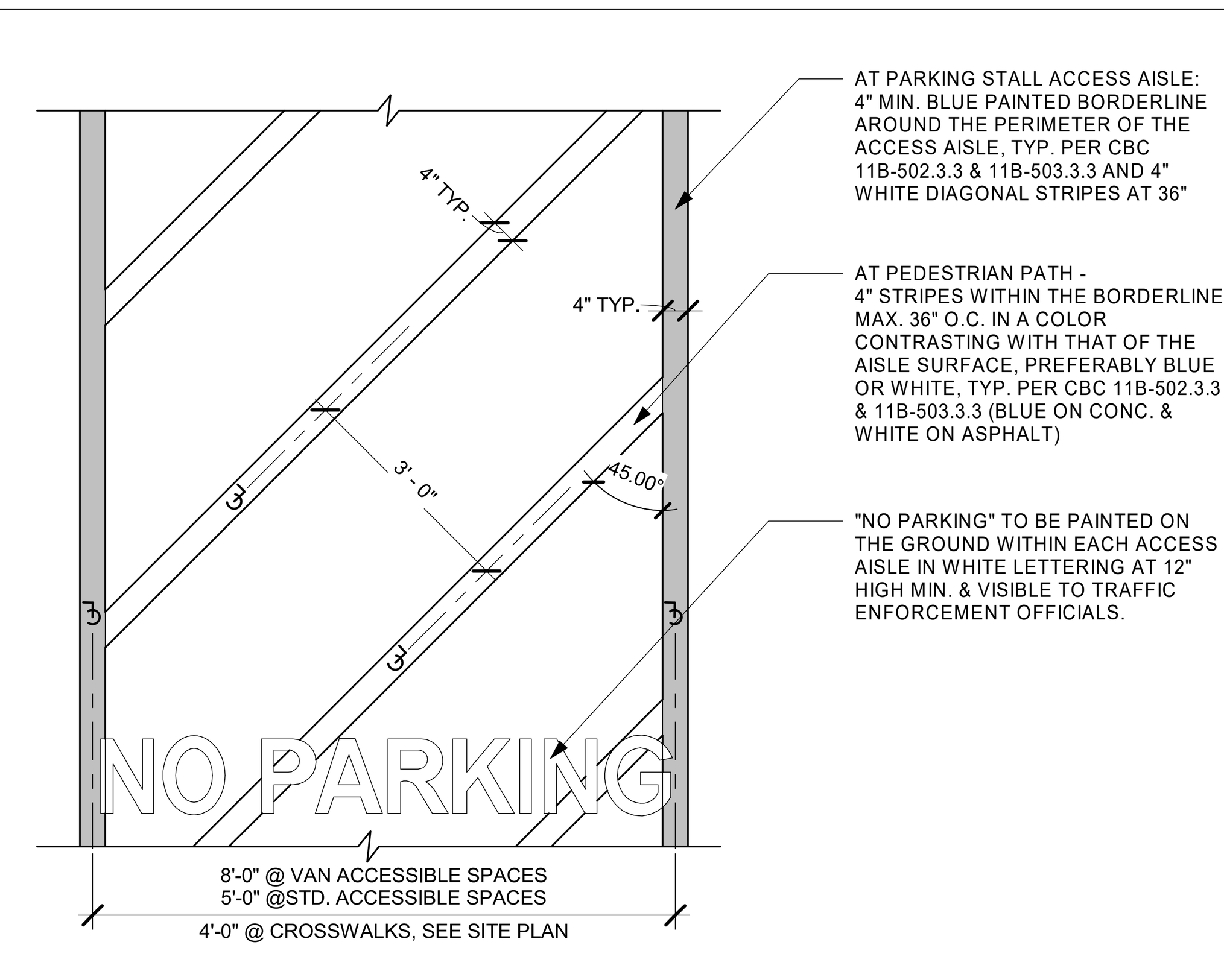
1. DIMENSIONS TO TAKE OFF ARE MEASURED FROM FACE OF LANDING PIT EDGE.
2. COLOR OF 32' TRIPLE JUMP TAKE OFF LINE SHALL BE WHITE AND 24' TAKE OFF LINE SHALL BE PASTEL GREEN.

LONG / TRIPLE JUMP 3 A1.3.2
1" = 30'-0"



PART NO.	UPRIGHT HEIGHT	MODEL	CROSSBAR WIDTH (I.D.)
GPKR20ADJR	20'-0"	ADJUSTABLE	18'-6" / 23'-4"
GPKR20COLR	20'-0"	COLLEGE	18'-6"
GPKR20HSR	20'-0"	HIGH SCHOOL	23'-4"
GPKR30ADJR	30'-0"	ADJUSTABLE	18'-6" / 23'-4"
GPKR30COLR	30'-0"	COLLEGE	18'-6"
GPKR30HSR	30'-0"	HIGH SCHOOL	23'-4"

ROTATING GOALPAK FOOTBALL GOAL SYSTEM 16 A1.3.2
N.T.S

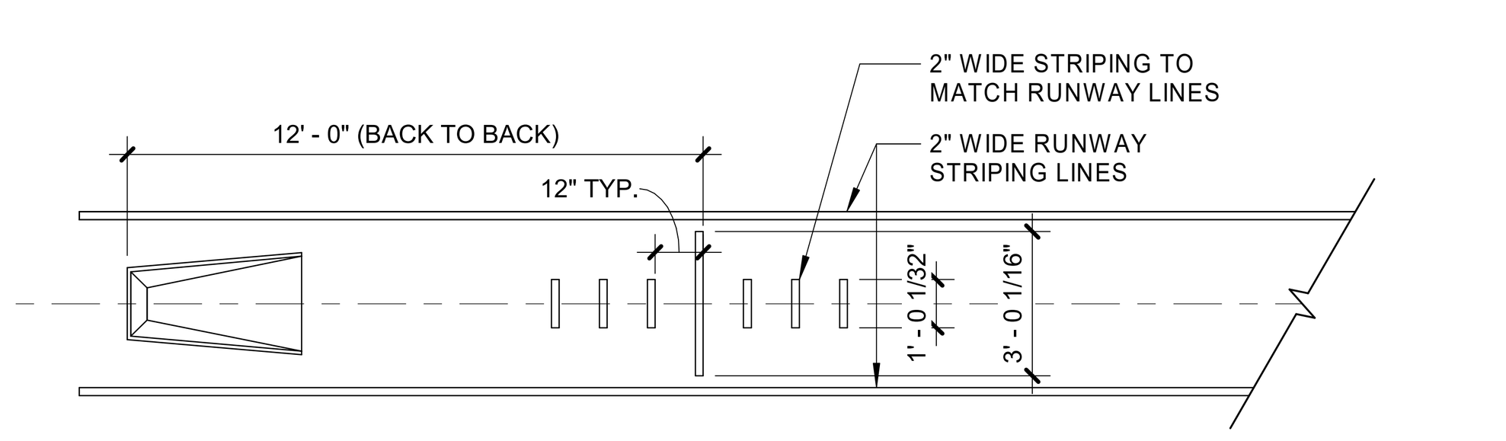


AT PARKING STALL ACCESS AISLE: 4" MIN. BLUE PAINTED BORDERLINE AROUND THE PERIMETER OF THE ACCESS AISLE, TYP. PER CBC 11B-502.3.3 & 11B-503.3.3 AND 4" WHITE DIAGONAL STRIPES AT 36"

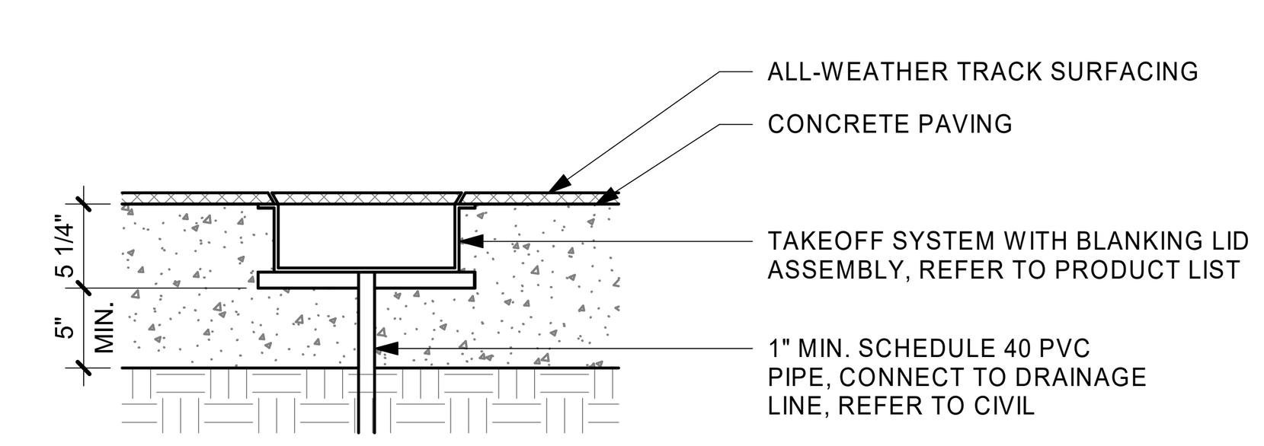
AT PEDESTRIAN PATH - 4" STRIPES WITHIN THE BORDERLINE, MAX. 36" O.C. IN A COLOR CONTRASTING WITH THAT OF THE AISLE SURFACE, PREFERABLY BLUE OR WHITE, TYP. PER CBC 11B-502.3.3 & 11B-503.3.3 (BLUE ON CONC. & WHITE ON ASPHALT)

"NO PARKING" TO BE PAINTED ON THE GROUND WITHIN EACH ACCESS AISLE IN WHITE LETTERING AT 12" HIGH MIN. & VISIBLE TO TRAFFIC ENFORCEMENT OFFICIALS.

ACCESSIBLE PARKING STALL AISLE AND PEDESTRIAN PATH 12 A1.3.2
1/2" = 1'-0"



POLE VAULT STRIPING 8 A1.3.2
1/4" = 1'-0"



TAKE-OFF BOARD 4 A1.3.2
1" = 1'-0"

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HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD, OXNARD, CA. 93033

CONSULTANT

SEAL

LICENSED ARCHITECT, STATE OF CALIFORNIA

ISSUE FOR

DSA SUBMITTAL

ISSUE DATE

09/23/19

REVISIONS

NO.	REASON	DATE

PROJECT TEAM

PRINCIPAL IN CHARGE: JT

PROJECT MANAGER: LEB

DESIGN TEAM: FM/ RG/ CL/ JR/ TA

PROJECT NAME: HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

PROJECT NO.: 6121235302

SHEET TITLE: TRACK & FIELD AND SITE DETAILS

SHEET NUMBER: A1.3.2

SYMBOLS

	SWITCHES & CONTROLS		POWER		LIGHTING/CEILING
$	SWITCH, SINGLE POLE +48" *		SERVICE DISCONNECT, FUSED OR NON FUSED PER DRAWING		LIGHT, WALL MOUNTED, HEIGHT PER DRAWING, DETAILS PER FIXTURE SCHEDULE,
$D	SWITCH, DIMMER, SIZE PER LOAD OR SPECIFICATION +48" *		SERVICE DISCONNECT, MAGNETIC STARTER		LIGHT, WALL MOUNTED, HEIGHT PER DRAWING, DETAILS PER FIXTURE SCHEDULE, EMERGENCY LIGHT IF FILLED CENTER
$DO	SWITCH, DIMMER 0-10V +48" *	VFD	SERVICE DISCONNECT, VFD		LIGHT, CEILING MOUNTED, DETAILS PER FIXTURE SCHEDULE
$3	SWITCH, 3 WAY, SINGLE POLE +48" *		OUTLET, SINGLE, 120V +18" * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, CEILING MOUNTED, DETAILS PER FIXTURE SCHEDULE EMERGENCY LIGHT IF FILLED CENTER
$4	SWITCH, 4 WAY +48" *		OUTLET, DUPLEX, 120V +18" * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, CEILING MOUNTED, PENDANT, DETAILS PER FIXTURE SCHEDULE
$K	SWITCH, KEY +48" *		OUTLET, HALF HOT, HALF SWITCHED, 120V +18" * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, CEILING MOUNTED, PENDANT, DETAILS PER FIXTURE SCHEDULE EMERGENCY LIGHT IF FILLED CENTER
$P	SWITCH, PILOT LIGHT, SINGLE POLE +48" *		OUTLET, DOUBLE DUPLEX, 120V +18" * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		FLUSH MOUNTED DOWN LIGHT, DETAILS PER FIXTURE SCHEDULE
$T	SWITCH, TIMER, 2 HR. NO HOLD MANUEL TYPE UNLESS NOTED OTHERWISE +48" *		OUTLET, DOUBLE DUPLEX, HALF HOT, HALF SWITCHED, 120V +18" * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		FLUSH MOUNTED WALL WASH/ADJUSTABLE, DETAILS PER FIXTURE SCHEDULE
V	SWITCH, VACANCY DETECTOR +48" *		OUTLET, SINGLE, 240V SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		IN-GRADE RECESSED UP-LIGHT, DETAILS PER FIXTURE SCHEDULE
W11	OCCUPANCY SENSOR SINGLE CIRCUIT WALL SWITCH +48" *		OUTLET, SINGLE, 120/240V SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		FLUSH MOUNTED DOWN LIGHT, SQUARE CAN, DETAILS PER FIXTURE SCHEDULE
W12	OCCUPANCY SENSOR DUAL CIRCUIT WALL SWITCH +48" *		OUTLET, SINGLE, 3 PHASE SIZE AND TYPE PER CIRCUIT REQUIREMENTS OR SPECIFICATION		FLUSH MOUNTED WALL WASH/ADJUSTABLE, SQUARE CAN, DETAILS PER FIXTURE SCHEDULE
WDH	OCCUPANCY SENSOR SINGLE CIRCUIT DIMMER 120V WALL SWITCH - LIKE LUTRON +48" *		OUTLET, DUPLEX, 120V, GFCI +18" * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, xxxxx, DETAILS PER FIXTURE SCHEDULE
WDL	OCCUPANCY SENSOR SINGLE CIRCUIT DIMMER 0-10V WALL SWITCH - LIKE LUTRON +48" *		OUTLET, DOUBLE DUPLEX, 120V, GFCI +18" * SIZE AND TYPE PER CIRCUIT REQUIREMENTS OR SPECIFICATION		LIGHT, xxxxx, DETAILS PER FIXTURE SCHEDULE
U	CEILING MOUNTED MOTION SENSOR, ULTRA SOUND		OUTLET, DUPLEX, 120V, FLOOR MOUNT SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, xxxxx, DETAILS PER FIXTURE SCHEDULE
I	CEILING MOUNTED MOTION SENSOR, INFRARED		OUTLET, DOUBLE DUPLEX, 120V, FLOOR MOUNT SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, xxxxx, DETAILS PER FIXTURE SCHEDULE
UI	CEILING MOUNTED MOTION SENSOR, COMBINATION ULTRA SOUND / INFRARED		OUTLET, PEDOC, DUPLEX, 120V, GFCI * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		VANITY WALL LIGHT, DETAILS PER FIXTURE SCHEDULE
R	CEILING MOUNTED RELAY / POWER PACK FOR LOW VOLTAGE MOTION SENSORS, SIZE PER CIRCUIT AND SENSOR REQUIREMENTS		OUTLET, PEDOC, DOUBLE DUPLEX, 120V, GFCI * SIZE AND TYPE PER CIRCUIT REQUIREMENTS OR SPECIFICATION		TRACK LIGHT, DETAILS PER FIXTURE SCHEDULE
SR	CEILING MOUNTED RELAY SLAVE PACK FOR LOW VOLTAGE MOTION SENSOR, SIZE PER CIRCUIT AND SENSOR REQUIREMENTS		OUTLET, PEDOC, SINGLE, 120/240V, GFCI * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS	XX	COVE LIGHT, DETAILS PER FIXTURE SCHEDULE
T	THERMOSTAT, +48" *		OUTLET, SINGLE/2-PORT USB COMBO, 120V * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, POLE-ARM, DETAILS PER FIXTURE SCHEDULE
TC	TIME CLOCK, POLES AND VOLTAGE AS NEEDED OR SPECIFIED		OUTLET, 4-PORT USB * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, POLE-CENTER, DETAILS PER FIXTURE SCHEDULE
P	EXTERIOR=PHOTO CELL, SIZE AND VOLTAGE PER CIRCUIT OR AS SPECIFIED INTERIOR=0-10V PHOTO SENSOR RE. DAYLIGHT CONTROLLER		OUTLET, DUPLEX EM CIRCUIT, 120V +18" * SIZE PER CIRCUIT AND LOCATION REQUIREMENTS		LIGHT, BOLLARD SQUARE, DETAILS PER FIXTURE SCHEDULE
		J	JUNCTION BOX		LIGHT, BOLLARD ROUND, DETAILS PER FIXTURE SCHEDULE
					LANDSCAPE UP OR DOWN LIGHT, DETAILS PER FIXTURE SCHEDULE
			COMMUNICATIONS/CONTROLS		EXIT SIGN, DARK SPOT INDICATES DIRECTION THE LIGHTED FACE IS TO BE VISIBLE FROM, ARROWS INDICATE DIRECTION OF ARROWS ON THE SIGN FACE
	NOTES & MISC.	T	THERMOSTAT, +48" *		EXIT SIGN, DARK SPOTS INDICATE DIRECTION THE LIGHTED FACES ARE TO BE VISIBLE FROM, ARROWS INDICATE DIRECTION OF ARROWS ON THE SIGN FACE
?	INDICATES PLAN KEYED NOTE	H	HUMIDITY SENSOR		COMBINATION EXIT SIGN, EMERGENCY LIGHT WITH BATTERY BACK UP
?	INDICATES PLAN KEYED NOTE	S	SPEAKER AND BOX PROVIDED BY OTHERS, BOX PIPED AND INSTALLED BY E. C.		EMERGENCY LIGHT, BATTERY POWERED
?	INDICATES PLAN KEYED NOTE		TELEPHONE OUTLET, +18" *		STEP/NICHE LIGHT, DETAILS PER FIXTURE SCHEDULE
?	INDICATES REVISION		COMPUTOR OUTLET, +18" *		LIGHT, WALL SMALL UP/DN-LIGHT, HEIGHT PER DRAWING, DETAILS PER FIXTURE SCHEDULE
?	INDICATES FIXTURE TYPE		CABLE OUTLET, +18" *		ALL LIGHT FIXTURES ABOVE ARE EMERGENCY LIGHT IF FILLED CENTER
FC 7	INDICATES MECHANICAL FIXTURE TYPE		TELEPHONE OUTLET, FLOOR		FIRE
E0.1 1	INDICATES DETAIL		COMPUTOR OUTLET, FLOOR	SD	FIRE DUCT SMOKE DETECTOR
A	PANEL, MOUNTING ACCORDING TO PLACEMENT ON PLANS		CABLE OUTLET, FLOOR	D	FIRE DUCT DAMPENER
Z	PANEL, CONTROL-LRG, MOUNTING ACCORDING TO PLACEMENT ON PLANS		COMBINATION TELEPHONE & COMPUTER OUTLET, +18" *		FIRE MINI STROBE
I	PANEL, CONTROL-SML, MOUNTING ACCORDING TO PLACEMENT ON PLANS	V	TELEVISION OUTLET, +18" *	C	FIRE ALARM CHIME
	VALVE, ALARM CONTACT OR SOLENOID OPERATOR DEPENDING ON APPLICATION	B	DOOR BELL PUSH BUTTON	S	FIRE STROBE & HORN
	EYS FITTING. SIZE PER CONDUIT, LOCATE PER N.E.C.	B	DOOR BELL CHIME	F	FIRE ALARM PULL BOX
	SMOKE DETECTOR, CEILING OR WALL MOUNTED PER PLANS	T	DOOR BELL TRANSFORMER		WIRE TYPES
SCO	COMBINATION SMOKE DETECTOR AND CO SENSOR		NURSES CALL LIGHT		HOME RUN IN CABLE OR CONDUIT (PER SPECIS AND CODE), CIRCUIT AND CIRCUIT & CONDUCTOR SIZE AS NOTED, CONDUIT PER NEC OR AS NOTED
	EXHAUST FAN	N	NURSES CALL SWITCH WITH PULL CORD		EXISTING WIRING TO REMAIN
	CEILING FAN	E	ELECTRIC DOOR STRIKE RELEASE		EXISTING WIRING TO BE REMOVED
	MOTOR	AP	WIRELESS ACCESS POINT		NEW ABOVE FLOOR WIRING
PS	POWER SUPPLY	IC	INTERCOM		NEW UNDER FLOOR WIRING
PC 1	POWER CENTER	KEY	KEY PAD		STUB UP TO OR DOWN FROM NEXT FLOOR LEVEL
CL	CURRENT LIMITER				STUB DOWN TO OR UP FROM THE NEXT FLOOR LEVEL

* STANDARD HEIGHT TO MEET STATE ACCESSIBILITY REQUIREMENTS AND PROVISIONS OF THE ADA IS 36" - 48" AFF FOR SWITCHES AND THERMOSTATS, 15" - 48" FOR OUTLETS. HEIGHT SHOWN IN SYMBOL LIST IS PREFERRED HEIGHT TO BE CHANGED ONLY IF PHYSICAL REQUIREMENTS OF THE STRUCTURE OR CASEWORK REQUIRE. CHANGES MUST MEET STANDARDS IF OUTLET OR SWITCH IS FOR GENERAL USAGE. OUTLET TO BE MOUNTED AT HEIGHT SHOWN ON PLAN WHEN SPECIAL PURPOSE.

SYMBOLS | SCALE: NONE

GENERAL

1. All work is to be performed per the 2016 issue of the California Electrical Code and the 2016 California Energy Code as accepted by the City of OXNARD and all other applicable national, state and local codes and laws pertaining to electrical work.
2. All work in hazardous locations shall comply with CEC Art. 500 through 516 as applicable.
3. Nothing in these notes shall be construed as circumventing any more stringent specification or requirement of the contract documents.
4. Electrical Contractor shall visit the job site prior to bidding work and include in his bid the necessary costs required to complete this project according to the intent of the drawings.
5. Any discrepancies between site conditions and drawings shall be brought to the attention of the project coordinator or Architect prior to bid if possible.
6. Electrical work under this contract shall include all labor, materials and equipment necessary to complete the installation covered under the contract including control conduit and wiring as documented or inferred in the mechanical drawings.
7. All material and equipment furnished and or installed under this contract shall be new, free from defects, and shall be guaranteed for a period of one year from the date of final acceptance by owner or his representative. Should any problems develop during this warranty period due to faulty workmanship, material defects or equipment defects or failure, the Electrical Contractor shall correct the problem and repair or replace equipment or material without cost to the owners. All work shall be executed in a orkmanlike manner and shall be neat in appearance as well as functional when completed.
8. Unless noted otherwise or coordinated with the General Contractor, the Electrical Contractor shall be responsible for all demolition, cutting, and patching relating to electrical work.
9. State handicap requirements are to be met per standards listed in "SYMBOL LIST".
10. Cut sheets shall be provided by Electrical Contractor for all equipment provided within contract scope of work.

MATERIAL and INSTALLATION

1. All electrical materials and equipment are to be Underwriter's laboratory listed or listed by an equivalent nationally recognized testing laboratory accepted by the City of OXNARD. All materials shall be approved for the intended purpose and used for such purpose.
2. All 600-volt insulated wire in conduits shall be copper type THHN/THWN-2 unless noted otherwise.
3. All conductors size AWG #12 and smaller shall be solid, all conductors size #10 and larger shall be stranded.
4. All junction boxes shall be marked (in ink) with the panel number, circuit numbers, and system voltage contain within, ('Magic Markers' are acceptable). i.e. 'LA'-1,3,5 277/480V or 'RA'-2,4,6 120/208V etc.
5. When conduit must cross traffic areas, the conduit shall cross perpendicular to the normal traffic pattern.
6. All ballasts are to be CEC listed.
7. All outdoor lighting fixtures are to be listed for wet or damp location depending on type of exposure.
8. All devices shall be grounded by means of a separate grounding conductor and either a wire bond from the device strap to the box or a self-grounding screw.
9. Each multiwire branch circuit shall be provided with a means that will simultaneously disconnect all ungrounded conductors at the point where the branch circuit originates. (CEC 210.4(B))
10. The ungrounded and grounded conductors of each multiwire branch circuit shall be grouped by wire ties or similar means in at least one location within the panelboard or other point of origination. (CEC 210.4(D))
11. All new overcurrent devices installed in existing panels / switchboards shall match or exceed the make, model and interrupting capacity of the existing overcurrent devices.

COMPLETION

1. Upon completion of work, Electrical Contractor shall insure the installation to be free from short circuits, phase grounds and neutral grounds.
2. All feeders shall have insulation tested prior to energization.
3. All panels, transformers, distribution boards, switches, etc. shall be labeled per Single Line Diagram using plastic plates with 3/8" high white letters on black backgrounds. Label shall include item name and voltage present. Transformer label shall include both primary and secondary voltages. Label shall be permanently attached using at least (2) round head stainless steel machine screws with minimum thread size 8-32.
4. Electrical Contractor shall furnish as-built drawings to Architect upon completion of work.
5. Electrical Contractor shall be available for night inspection and approval of completed work.
6. Prior to final energization, neutral feed shall be disconnected from the panel and bus with all load neutrals connected shall be tested in the presence of the electrical engineer for faults to ground.
7. All circuit breaker, neutral and ground lug connections shall be torqued per manufacturer's specifications in the presence of the electrical inspector.
8. The issuance of a permit shall not prevent the Building Official from requiring the correction of errors on these plans or from preventing any violation of the codes adopted by the city, relevant laws, ordinances, rules and/or regulations.

NOTES | SCALE: NONE

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SS ☑ FLS ☑ ACS ☑
DATE: 09/23/19

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OXNARD UNION HIGH SCHOOL DISTRICT

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD, OXNARD, CA. 93033

LICENSED ARCHITECT MARTIN OSMAN RENEWAL 08/31/2021 EXP. 11-30-2021 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER MARTIN OSMAN NO. E-21460 EXP. 3-31-2020 ELECTRICAL STATE OF CALIFORNIA

Engineous Group, Inc.
751 N. Fair Oaks Ave., Suite 201
Pasadena, CA 91103
Phone: (626) 696-3850

DSA SUBMITTAL

09/23/19

NO.	REASON	DATE

PRINCIPAL IN CHARGE
B.E.S.

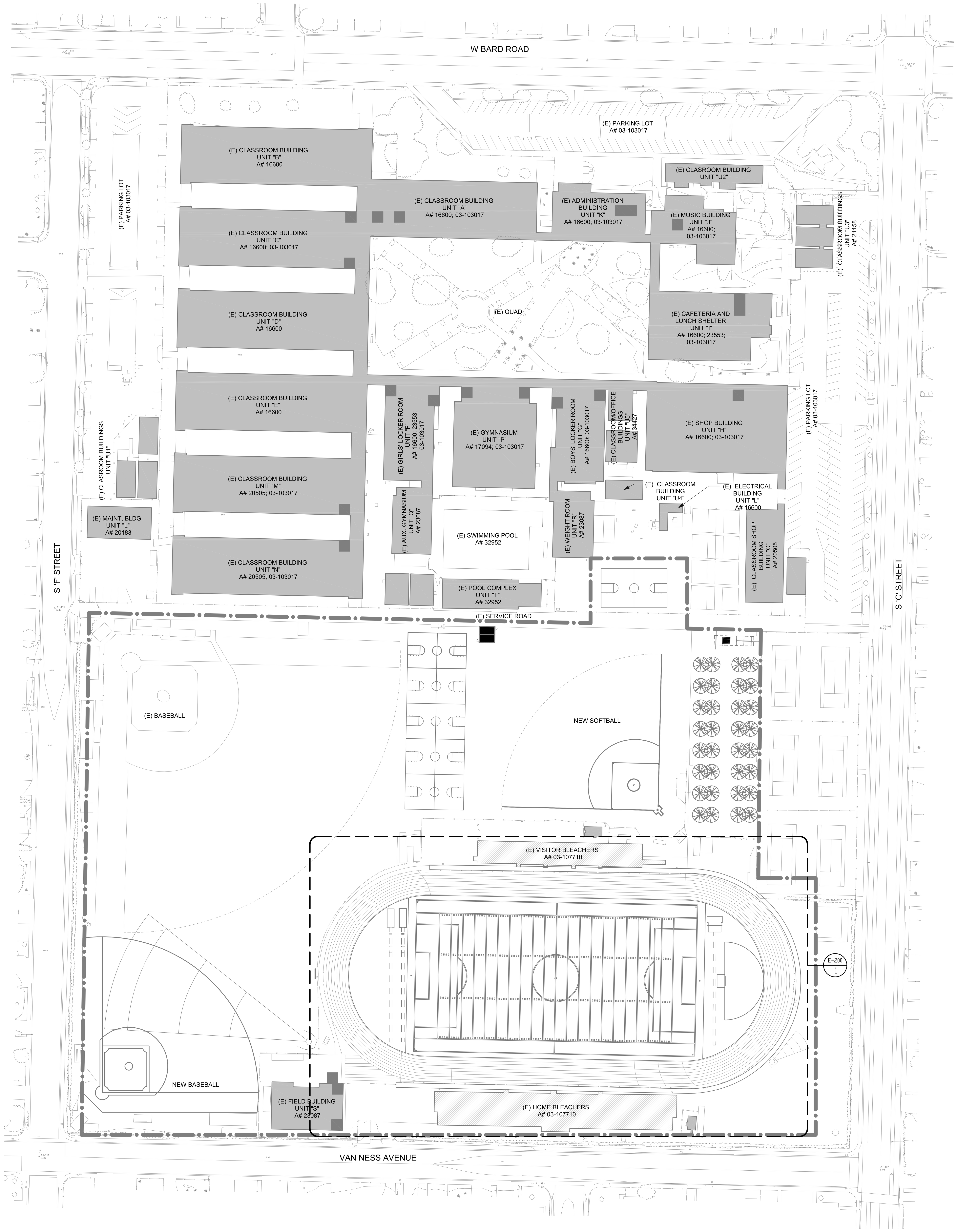
PROJECT MANAGER
S.A.M.

DESIGN TEAM
S.A.M.

HUENEME HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC 1

SYMBOLS AND NOTES

E-000



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HIGH SCHOOL
DISTRICT

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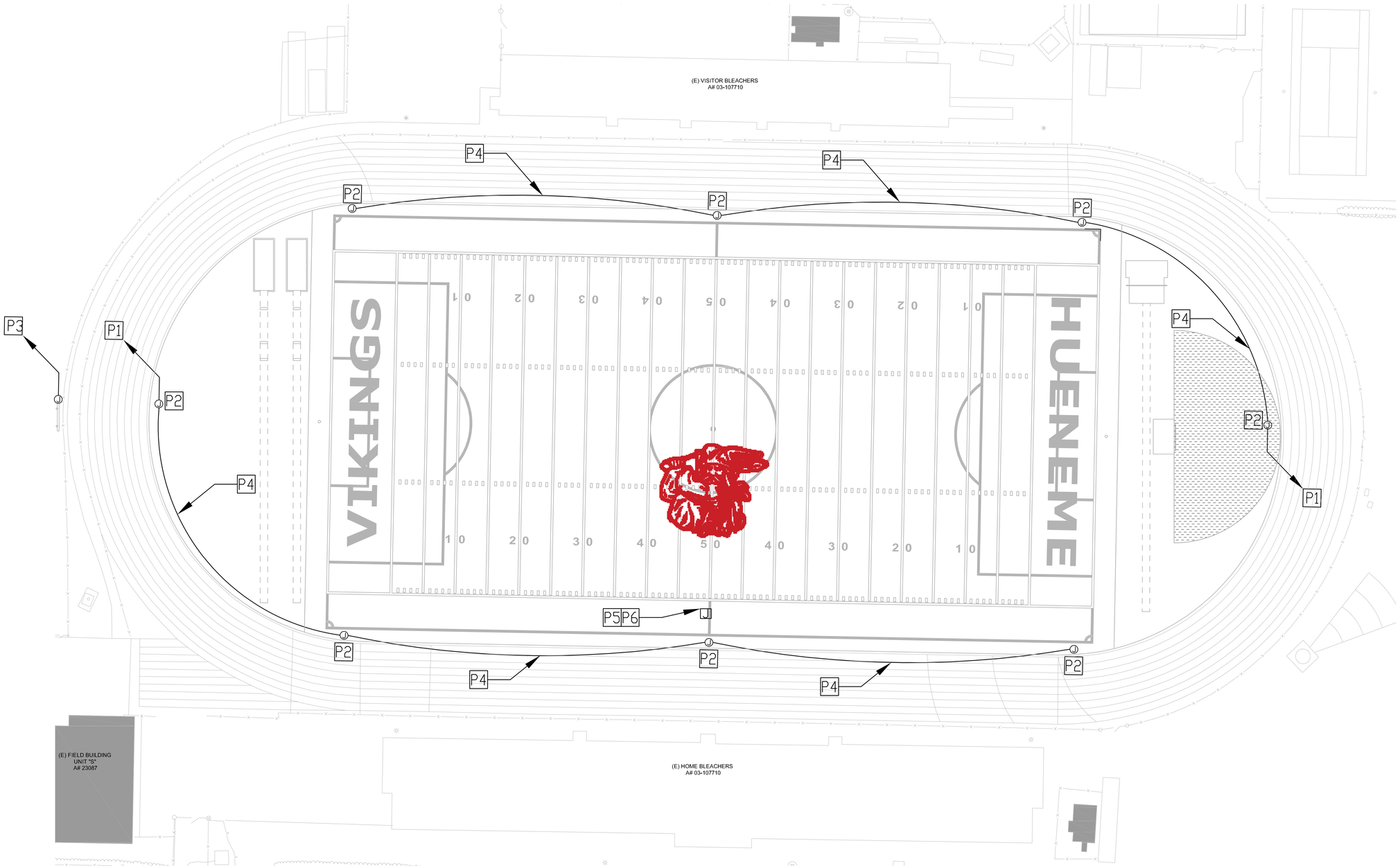
TRACK & FIELD
IMPROVEMENTS - INC 1

OVERALL ELECTRICAL
SITE PLAN

E-100

OVERALL ELECTRICAL SITE PLAN | SCALE: 1/64"=1'-0" | 1



POWER GENERAL NOTES

1. ALL CONDUITS SHALL BE RUN NEATLY AND PARALLEL OR PERPENDICULAR TO STRUCTURAL MEMBERS. CONDUIT ROUTING SHOWN ON PLAN IS DIAGRAMMATIC AND IS INTENDED TO SHOW POSSIBLE FUNCTIONAL ROUTE OF CONDUITS AND CONDUCTORS. IN SOME CASES THE DRAWING SHOWS ROUTING WHICH MAY NOT BE PARALLEL OR PERPENDICULAR TO BUILDING STRUCTURAL MEMBERS, THIS IS FOR CLARITY OF CIRCUITING AND NOT INTENDED TO APPROVE ANY DEVIATION FROM NEAT WORKMANSHIP.
2. COMBINING OF HOMERUNS AND OTHER CIRCUITS OTHER THAN WHAT IS SHOWN ON PLAN WILL NOT BE APPROVED.
3. CONDUITS AND ROUTING FOUND OBJECTIONABLE BY THE ARCHITECT WILL BE REWORKED AT ELECTRICAL CONTRACTORS EXPENSE.
4. ELECTRICAL CONTRACTOR SHALL PROVIDE APPROVED SEISMIC STRUCTURAL SUPPORTS AS CURRENTLY ADOPTED BY IBC OR CBC WHERE APPLICABLE FOR ALL FIXTURES, BOXES AND OTHER ELECTRICAL EQUIPMENT.
5. ELECTRICAL CONTRACTOR SHALL VERIFY LOCATIONS AND MOUNTING HEIGHTS OF ALL OUTLETS AND EQUIPMENT WITH ARCHITECTURAL PLANS, ELEVATIONS AND DETAILS.

POWER PLAN KEYED NOTES (NOT ALL MAY APPLY)

P1 (4) 1"C-3#8+1#8GND THWN CU TO ELECTRICAL PANEL FEEDING FIELD AREA. CONDUITS SHALL BE BURIED 24" BELOW GRADE. CONTRACTOR SHALL VERIFY EXISTING UNDERGROUND CONDUITS TO BE USED OR INTERCEPTED IF POSSIBLE PRIOR BID/CONSTRUCTION.

P2 JUNCTION BOXES TO BE INSTALLED BELOW GRADE OUTDOOR RATED WITH RUBBERIZED TRACK SURFACE MATCHING EXISTING TYPE AND COLOR OF THE TRACK. CONTRACTOR SHALL VERIFY DISTRICT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

P3 (2) 1"C-3#8+1#8GND THWN CU TO ELECTRICAL PANEL FEEDING FIELD AREA. CONDUITS SHALL BE BURIED 24" BELOW GRADE.

P4 (2) 1"C-3#8+1#8GND THWN CU BETWEEN JUNCTION BOXES. CONDUITS SHALL BE BURIED 24" BELOW GRADE. CONTRACTOR SHALL VERIFY EXISTING UNDERGROUND CONDUITS TO BE USED OR INTERCEPTED IF POSSIBLE PRIOR BID/CONSTRUCTION.

P5 EXISTING ELECTRICAL PEDESTAL SHALL BE REPLACED WITH THE NEW ONE. CONTRACTOR SHALL VERIFY SIZING AND REQUIREMENTS PRIOR CONSTRUCTION/BID TO MATCH WITH THE EXISTING TO BE ALSO OUTDOOR RATED.

P6 EXISTING UNDERGROUND ELECTRICAL AND COMMUNICATION CONDUCTORS AND CONDUITS SHALL BE REPLACED WITH THE NEW ONE. CONTRACTOR SHALL VERIFY ALL THE SIZING AND QUANTITIES PRIOR CONSTRUCTION/BID TO MATCH WITH THE EXISTING ONE AND TIE BACK TO THE EXISTING CONNECTION POINTS OUTSIDE OF THE FIELD. REFER TO CIVIL PLANS FOR GRADING DETAILS AND COORDINATION TO AVOID CONFLICTS WITH NEW FIELD UNDERGROUND DRAINAGE SYSTEM.

ENLARGED ELECTRICAL SITE PLAN - TRACK & FIELD | SCALE: 1"=20'-0" | 1

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OXNARD UNION HIGH SCHOOL DISTRICT

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD,
OXNARD, CA. 93033

LICENSED ARCHITECT — MARTIN OSMAN — NO. C-27005 — EXP. 11-30-19 — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — MARTIN OSMAN — NO. E-21460 — EXP. 3-31-2020 — ELECTRICAL — STATE OF CALIFORNIA

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751 N. Fair Oaks Ave., Suite 201
Pasadena, CA 91103
Phone: (626) 696-3850

DSA SUBMITTAL

09/23/19

NO.	REASON	DATE

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PROJECT MANAGER
S.A.M.

DESIGN TEAM
S.A.M.

HUENEME HIGH SCHOOL
TRACK & FIELD
IMPROVEMENTS - INC 1

ENLARGED ELECTRICAL
SITE PLAN

E-200

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OXNARD UNION HIGH SCHOOL DISTRICT

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD, OXNARD, CA. 93033

PRE-CHECK (PC) DOCUMENT

CODE: 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

VECTOR ENGINEERS
roger t. alworth, s.e.
9138 s. State Street, Suite 101 (801) 990-1775
Sandy, Utah 84070 (801) 990-1776 FAX

VECTOR ENGINEERS
9138 S. State Street, Suite 101 (801) 990-1775
Sandy, Utah 84070 (801) 990-1776 Fax

REGISTERED PROFESSIONAL ENGINEER ROGER T. ALWORTH S3914 STRUCTURAL STATE OF CALIFORNIA
03/08/2017

STRUCTURAL ENGINEER OF RECORD

APPROVALS

695762-1-0

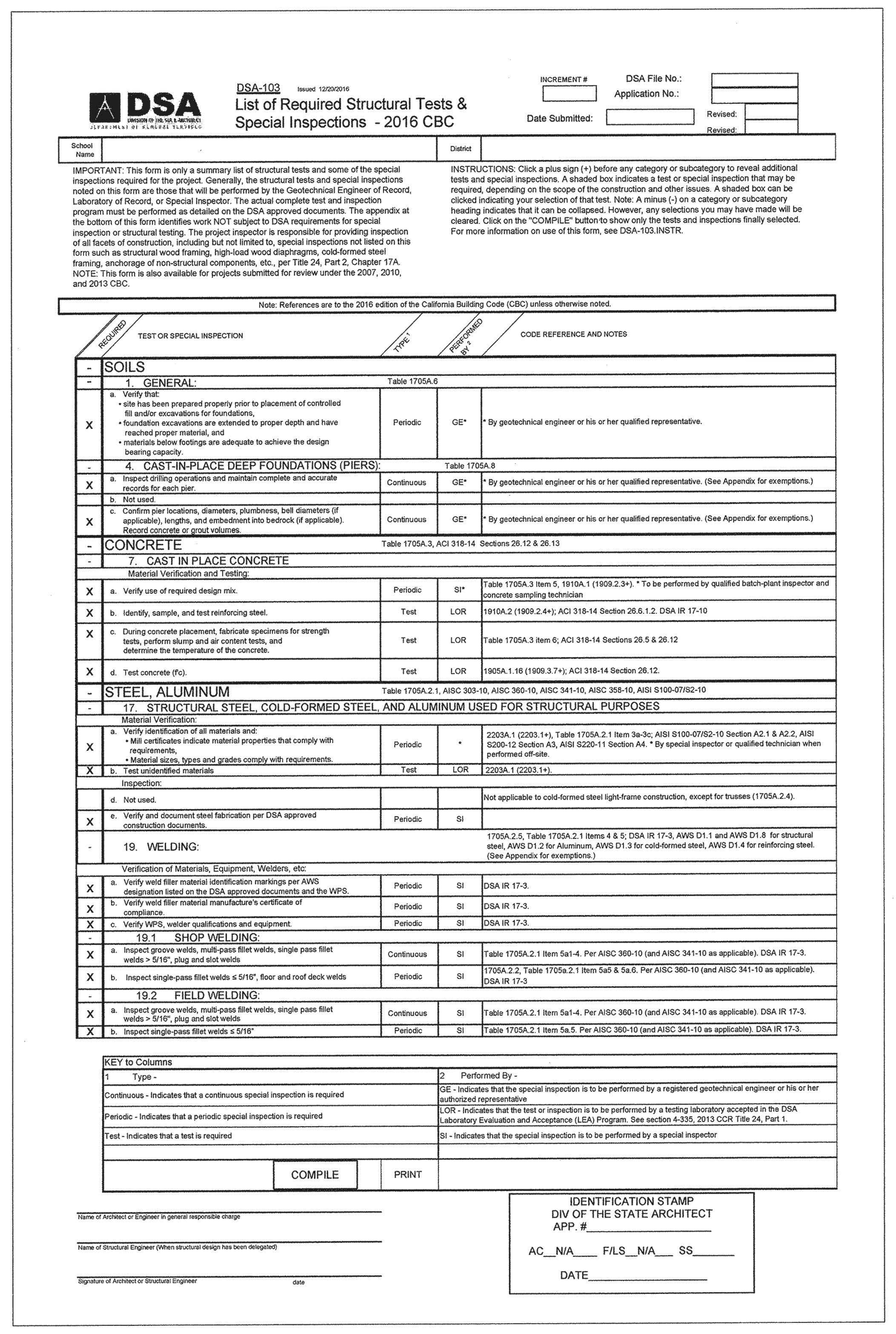
PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116017
ACS FLS SS
DATE NOV 30 2017
FLS: R. Ferrer
ACS: R. Mullin
SS: D. Wang

DRAWING INDEX

SHEET 1; PC-2 TITLE PAGE.
SHEET 2; PC SIGN MOUNTING DETAILS 1.
~~SHEET 3; PC SIGN MOUNTING DETAILS 2.~~
~~SHEET 4; PC SIGN MOUNTING DETAILS 3.~~
~~SHEET 5; PC-2 25'-0" WIDE ELEVATION, WIND SPEED 130 MPH.~~
SHEET 6; PC-2 25'-0" WIDE ELEVATION, WIND SPEED 110 MPH.

STRUCTURAL TEST AND INSPECTIONS


DSA-103 List of Required Structural Tests & Special Inspections - 2016 CBC

CHECKLIST OF DESIGN PARAMETERS:

- RISK CATEGORY: II
- WIND SPEED: 110 MPH FOR SIGNS DEPICTED ON SHEET 6, 130 MPH FOR SIGNS DEPICTED ON SHEET 5.
- ALL CONNECTIONS AND MOUNTING DETAILS DESIGNED FOR 130MPH.
- EXPOSURE: C
- Kzt = 1.0, Kd = 0.85, g = 0.85
- SEISMIC DESIGN CATEGORY: E
- SEISMIC IMPORTANCE FACTOR: 1.0
- SITE CLASS: D
- Ss: 3.00
- S1: 1.50
- SDS: 2.0
- SD1: 1.50
- Cs: 0.67
- IF PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THIS PC ARE STILL APPLICABLE.
- GEOHAZARD REPORTS ARE NOT REQUIRED FOR NON-BUILDING FREESTANDING SIGN AND SCOREBOARD STRUCTURES. REF. IR A-4.13
- CUT SHEETS FOR MANUFACTURED EQUIPMENT ARE REQUIRED.
- THERE ARE NO APPLICABLE FIRE, LIFE SAFETY, OR ENERGY/CLIMATE DESIGN PARAMETERS.

GENERAL / CODE INFORMATION

SCOPE: CONSTRUCTION OF 2- OR 3-COLUMN STRUCTURES FOR USE WITH DAKTRONICS SIGNS.

INSPECTOR OF RECORD, CLASS 3

PRECHECK DRAWING CHANGES:
CHANGES IN THE PLANS AND SPECIFICATION SHALL BE MADE BY REVISION DOCUMENTS APPROVED BY DSA. (2016 CALIFORNIA ADMINISTRATIVE CODE SECTION 4-338)

SITE SPECIFIC ARCHITECTURAL DRAWING CHANGES:
ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR) CHANGES TO THE APPROVED DRAWING AND SPECIFICATION SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF STATE ARCHITECTS, AS REQUIRED BY SECTION 4-338 PART 1 TITLE 24 CCR.

A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT, OWNER AND APPROVED BY THE DIVISION OF STATE ARCHITECTS SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK, THE DUTIES OF THE INSPECTION ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24 CODE.

TITLE 24 CODES

2016 CALIFORNIA ADMINISTRATIVE CODE (CAC)................................ (PART 1, TITLE 24 CCR)
2016 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2.......... (PART 2, TITLE 24 CCR
(2015 INTERNATIONAL BUILDING CODE WITH 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ELECTRICAL CODE.. (PART 3, TITLE 24 CCR)
(2014 NATIONAL ELECTRICAL CODE WITH 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA MECHANICAL CODE (CMC).................................... (PART 4, TITLE 24 CCR)
(2015 UNIFORM MECHANICAL CODE WITH 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA PLUMBING CODE.. (PART 5, TITLE 24 CCR)
(2015 UNIFORM PLUMBING CODE WITH 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA ENERGY CODE.. (PART 6, TITLE 24 CCR)
2016 CALIFORNIA FIRE CODE (CFC)..(PART 9, TITLE 24 CCR)
(2015 INTERNATIONAL FIRE CODE WITH 2016 CALIFORNIA AMENDMENTS)
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE...................... (PART 11, TITLE 24 CCR)
2016 CALIFORNIA REFERENCED STANDARDS CODE........................... (PART 12, TITLE 24 CCR)
NFPA 13 - 2016
NFPA 72 - 2016

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS
2016 CBC, CHAPTER 35
2016 CFC, CHAPTER 45

GENERAL REQUIREMENTS
THE ARCHITECT OR STRUCTURAL ENGINEER IN GENERAL RESPONSIBLE CHARGE SHALL SIGN AND SEAL ALL DRAWINGS AND SPECIFICATIONS. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECTS, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECTS SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR CLASS 3 INSPECTOR.

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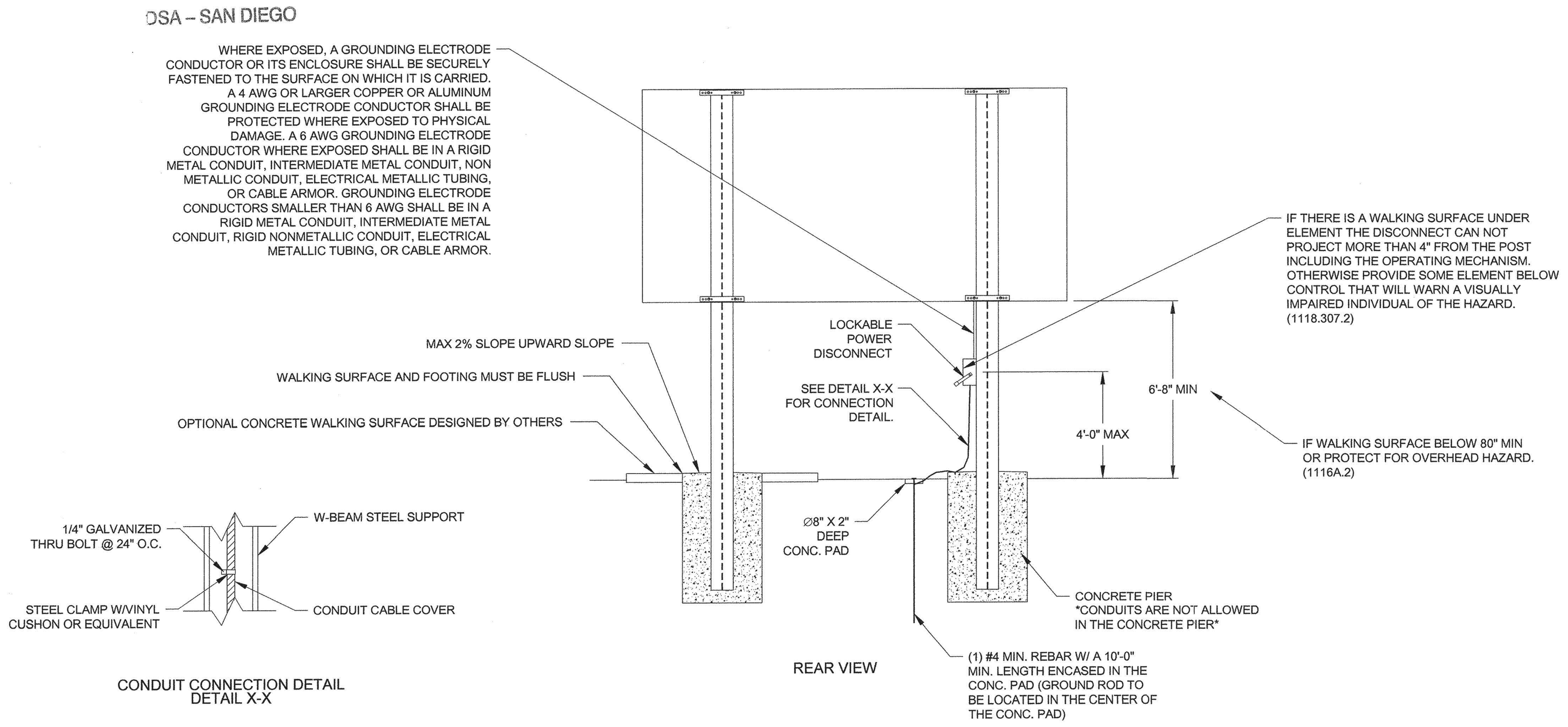


NOTE:

ALL DISPLAYS MUST BE GROUNDED PER ARTICLE 250 AND 600 OF THE CALIFORNIA ELECTRICAL CODE WITH NO MORE THAN 10 OHMS GROUND RESISTANCE.

GROUNDING DETAIL

CONSTRUCTION SPECIFICATIONS

ALUMINUM: ALL ALUMINUM MEMBER GRADE 6061-T6 (UNLESS NOTED OTHERWISE)
CORROSION RESISTANT MATERIAL SHALL BE PROVIDED BETWEEN FERROUS METAL (STEEL) AND NON-FERROUS METAL (ALUMINUM).

STEEL: DESIGN AND FABRICATION IN ACCORDANCE WITH AISC-ASD, 14th ADDITION.
WIDE FLANGE SHAPES ASTM A992, Fy = 50 KSI
BOLTS SS304 F593C CW1. Fu=100 KSI OR A325 WITH CORROSION-PREVENTITIVE COATING THAT DEMONSTRATED NO MORE THAN 2% RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT AND GALVANIZED HARDWARE IS NOT COMPATIBLE WITH MANUFACTURED EQUIPMENT.
REINFORCING STEEL ASTM 615, GRADE 60
HSS SHAPES ASTM A500 GR B, Fy=46 ksi
STRUCTURAL STEEL SHALL BE HOT-DIP GALVANIZED (MINIMUM ASTM A123 OR A153 CLASS D, AS APPLICABLE) OR PAINTED WITH ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT; OR EQUIVALENT PAINT SYSTEM.

WELDING: DESIGN AND FABRICATION ACCORDING TO AWS D1.1, CURRENT EDITION, AWS CERTIFICATION REQUIRED OF ALL STRUCTURAL WELDERS.
E70XX ELECTRODES FOR SMAW PROCESSES
F7X-EXXX ELECTRODES FOR SAW PROCESSES
PROVIDE PERIODIC SPECIAL INSPECTION FOR FIELD WELDING PER 2016 CBC, TABLE 1705A.2.1.

CONCRETE: DESIGN AND CONSTRUCTION ACCORDING TO ACI 318-14.
TYPE V CEMENT, MAXIMUM WATER-TO-CEMENT RATIO = 0.45
COMPRESSIVE STRENGTH AT 28 DAYS (f'c) = 4500 PSI, MIN (DESIGN BASED ON f'c = 3000 PSI)
CONTINUOUS BATCH PLANT INSPECTION NOT REQUIRED.
PROVIDE SLOPE AWAY FROM BASE OF SUPPORTS.
CONCRETE POURED INTO CONSTRAINED EARTH EXCAVATIONS MUST CURE UNDER PROPER CONDITIONS FOR 4 DAYS PRIOR TO SIGN CABINET INSTALLATION.
EXCEPTION: IF THE OVERALL HEIGHT OF THE SIGN IS LESS THAN 20 FEET ABOVE GRADE AND THE SIGN POLE IS ADEQUATELY BRACED AGAINST WIND LOADS FOR A MINIMUM OF 4 DAYS, THE SIGN CABINET MAY BE INSTALLED THE SAME DAY THE FOOTING IS POURED.

SOILS: SOIL PASSIVE PRESSURE BASED ON 2016 CBC TABLE 1806.A.2 CLASS 5. INSPECTOR OF RECORD (IR) SHALL PROVIDE INSPECTION OF SOILS PER TEST AND INSPECTION FORM DSA-103. (IF SOFT OR SANDY SOIL, COLLAPSING OR UNSTABLE SOIL, CORROSIVE SOIL, ORGANIC MATERIALS OR GROUNDWATER ARE ENCOUNTERED, IMMEDIATELY CONTACT THE ENGINEER OF RECORD FOR ADDITIONAL FOUNDATION REQUIREMENTS.)

TESTING & QUALITY CONTROL:

UNLESS NOTED OTHERWISE, CONCRETE MATERIALS SHALL CONFORM TO CHAPTER 19A. SPECIAL INSPECTIONS AND TESTS SHALL BE REQUIRED PER TABLE 1705A.3. FOUNDATION INSPECTION SHALL BE REQUIRED PER 1803A.5.5. STEEL SPECIAL INSPECTION AND TESTS SHALL BE REQUIRED PER TABLE 1705A.2.1.

NOTES: SIGN CABINETRY SHALL BE FABRICATED IN THE SHOP OF AN APPROVED FABRICATOR
PROVIDE ISOLATION OF DISSIMILAR MATERIALS.

DAKTRONICS HAS DESIGNED THE DISPLAY COMPONENTS AND THEIR MOUNTING PER CBC 2016 AND THEY ARE IN COMPLIANCE WITH THE CURRENT CODES.

REV	DATE:		BY:
01	16 OCT 17	REVISED DRAWING PER DSA COMMENTS MADE ON 14 JUL 17.	SAE

DAKTRONICS

THIRD ANGLE PROJECTION

PROJECT:	2016 DSA PRE-CHECK DRAWINGS				
TITLE:	PC-2 TITLE PAGE				
DATE:	20 FEB 17	DIM UNITS: INCHES [MILLIMETERS]		SHEET	REV
SCALE:	1/4" = 1'-0"	DO NOT SCALE DRAWING		1	01
DESIGN:	SEASTMA	JOB NO.	FUNC - TYPE - SIZE	3574935	
DRAWN:	SEASTMA	P2015-01	F - 10 - D		

DSA SUBMITTAL

07/17/2019

NO.	REASON	DATE

PRINCIPAL IN CHARGE

PROJECT MANAGER

DESIGN TEAM

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

6121235302

PC-2 TITLE PAGE

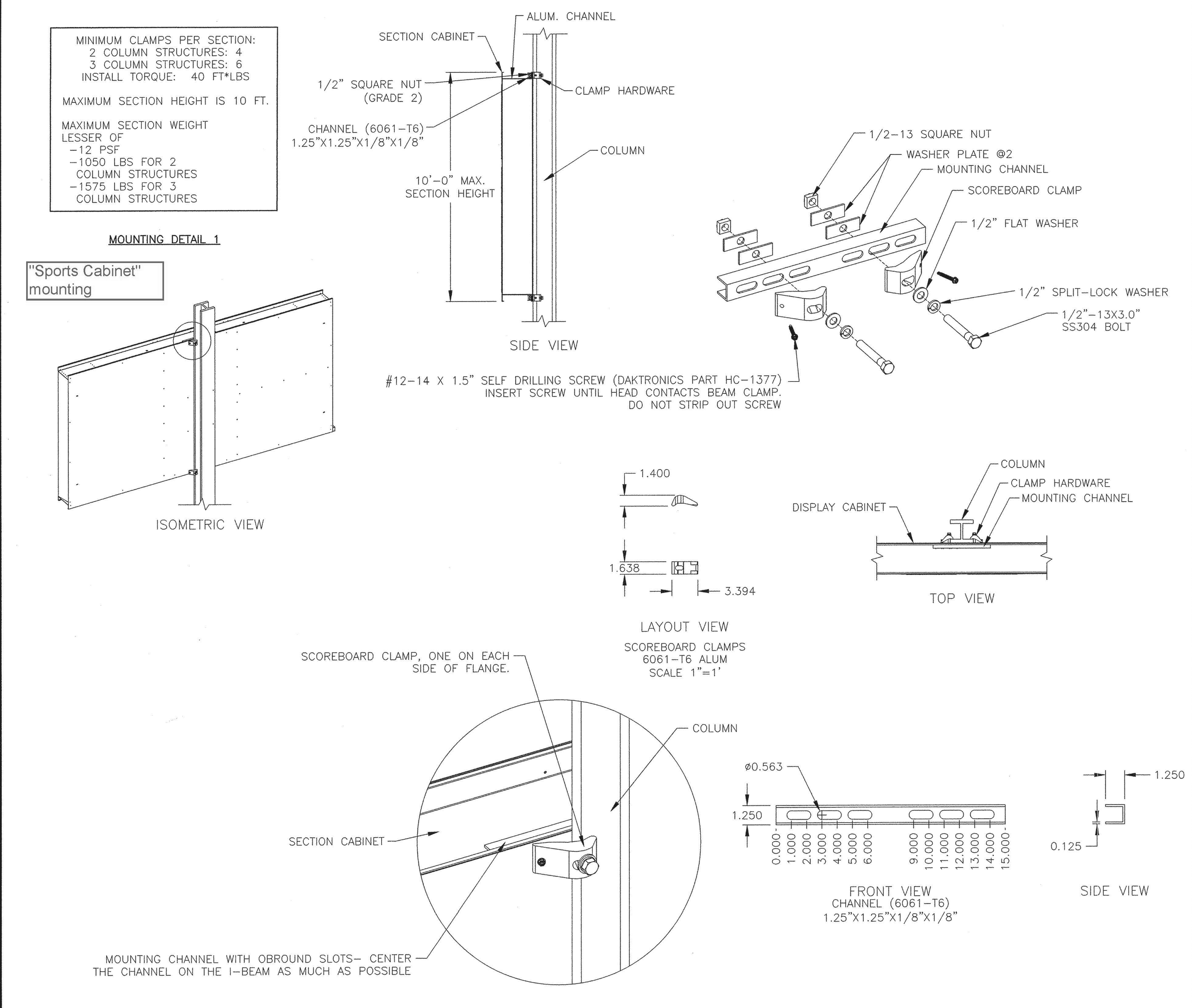
MINIMUM CLAMPS PER SECTION:
2 COLUMN STRUCTURES: 4
3 COLUMN STRUCTURES: 6
INSTALL TORQUE: 40 FT*LBS

MAXIMUM SECTION HEIGHT IS 10 FT.

MAXIMUM SECTION WEIGHT
LESSER OF
-12 PSF
-1050 LBS FOR 2 COLUMN STRUCTURES
-1575 LBS FOR 3 COLUMN STRUCTURES

MOUNTING DETAIL 1

"Sports Cabinet" mounting



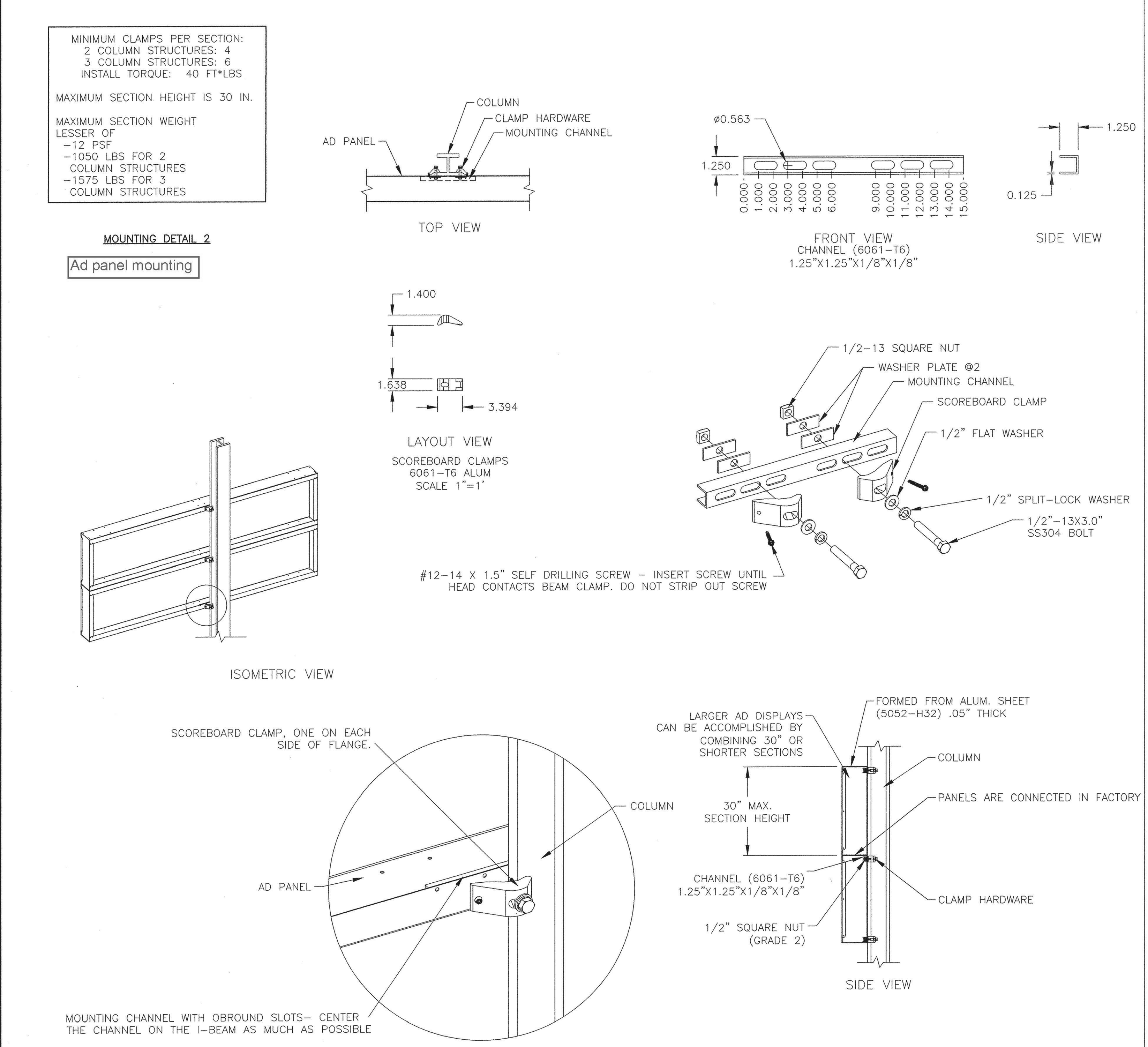
MINIMUM CLAMPS PER SECTION:
2 COLUMN STRUCTURES: 4
3 COLUMN STRUCTURES: 6
INSTALL TORQUE: 40 FT*LBS

MAXIMUM SECTION HEIGHT IS 30 IN.

MAXIMUM SECTION WEIGHT
LESSER OF
-12 PSF
-1050 LBS FOR 2 COLUMN STRUCTURES
-1575 LBS FOR 3 COLUMN STRUCTURES

MOUNTING DETAIL 2

Ad panel mounting



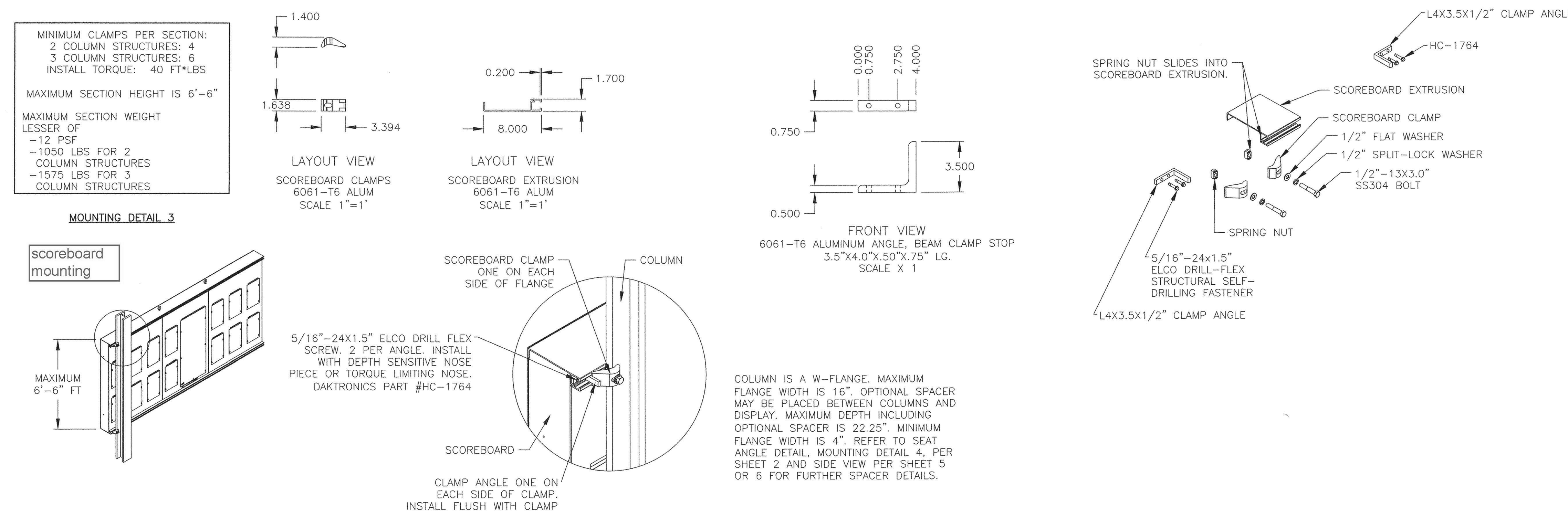
MINIMUM CLAMPS PER SECTION:
2 COLUMN STRUCTURES: 4
3 COLUMN STRUCTURES: 6
INSTALL TORQUE: 40 FT*LBS

MAXIMUM SECTION HEIGHT IS 6'-6"

MAXIMUM SECTION WEIGHT
LESSER OF
-12 PSF
-1050 LBS FOR 2 COLUMN STRUCTURES
-1575 LBS FOR 3 COLUMN STRUCTURES

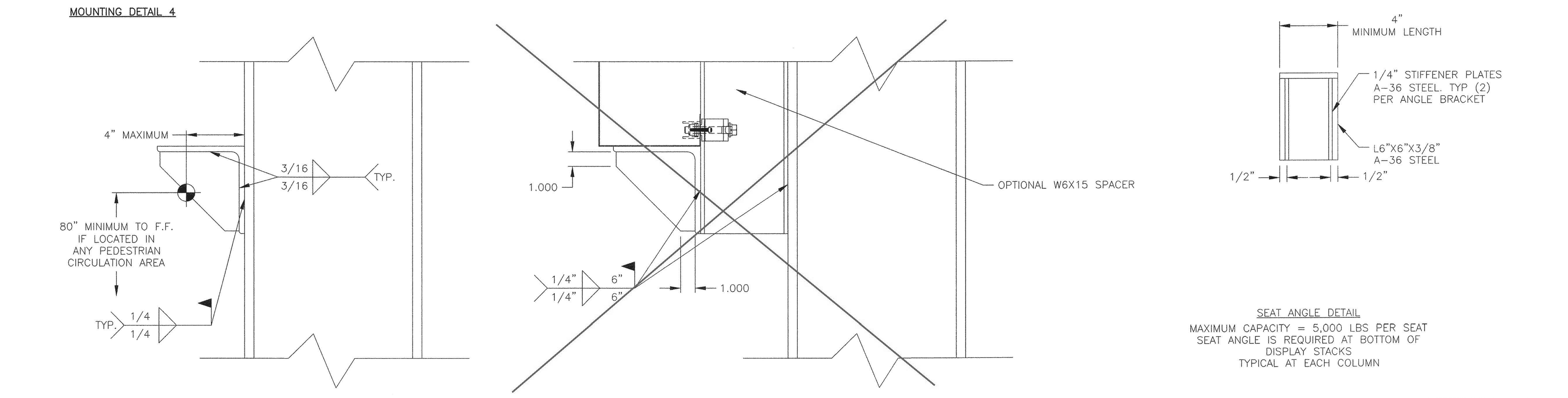
MOUNTING DETAIL 3

scoreboard mounting



COLUMN IS A W-FLANGE. MAXIMUM FLANGE WIDTH IS 16". OPTIONAL SPACER MAY BE PLACED BETWEEN COLUMNS AND DISPLAY. MAXIMUM DEPTH INCLUDING OPTIONAL SPACER IS 22.25". MINIMUM FLANGE WIDTH IS 4". REFER TO SEAT ANGLE DETAIL, MOUNTING DETAIL 4, PER SHEET 2 AND SIDE VIEW PER SHEET 5 OR 6 FOR FURTHER SPACER DETAILS.

MOUNTING DETAIL 4



SEAT ANGLE DETAIL
MAXIMUM CAPACITY = 5,000 LBS PER SEAT
SEAT ANGLE IS REQUIRED AT BOTTOM OF DISPLAY STACKS
TYPICAL AT EACH COLUMN

PRE-CHECK (PC) DOCUMENT

CODE: 2016 CBC

A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

VECTOR ENGINEERS
roger t. alworth, s.e.
9138 s. State Street, Suite 101 (801) 990-1775
Sandy, Utah 84070 (801) 990-1776 FAX

VECTOR ENGINEERS
9138 S. STATE STREET, SUITE 101 (801) 990-1775
SANDY, UTAH 84070 (801) 990-1776 FAX

S3914
03/08/2017

STRUCTURAL ENGINEER OF RECORD

APPROVALS

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

REV	DATE	REVISED DRAWING PER DSA COMMENTS MADE ON 14 JUL 17	BY
01	15 OCT 17		DAK

PROJECT: 2016 DSA PRE-CHECK DRAWINGS
TITLE: PC SIGN MOUNTING DETAILS 1
DATE: 20 FEB 17 | DIM UNITS: INCHES [MILLIMETERS] | SHEET: 2 | REV: 01
SCALE: 1/4" = 1'-0" | DO NOT SCALE DRAWING
DESIGN: SEASTMA | JOB NO. P2015-01 | FUNC - TYPE - SIZE: F - 10 - D | 3574936
DRAWN: SEASTMA

LITTLE
DIVERSIFIED ARCHITECTURAL CONSULTING

www.littleonline.com

OXNARD UNION HIGH SCHOOL DISTRICT

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD. OXNARD, CA. 93033

DSA SUBMITTAL

07/17/2019

NO.	REASON	DATE

PRINCIPAL IN CHARGE

PROJECT MANAGER

DESIGN TEAM

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

6121235302

PC SIGN MOUNTING DETAILS 1

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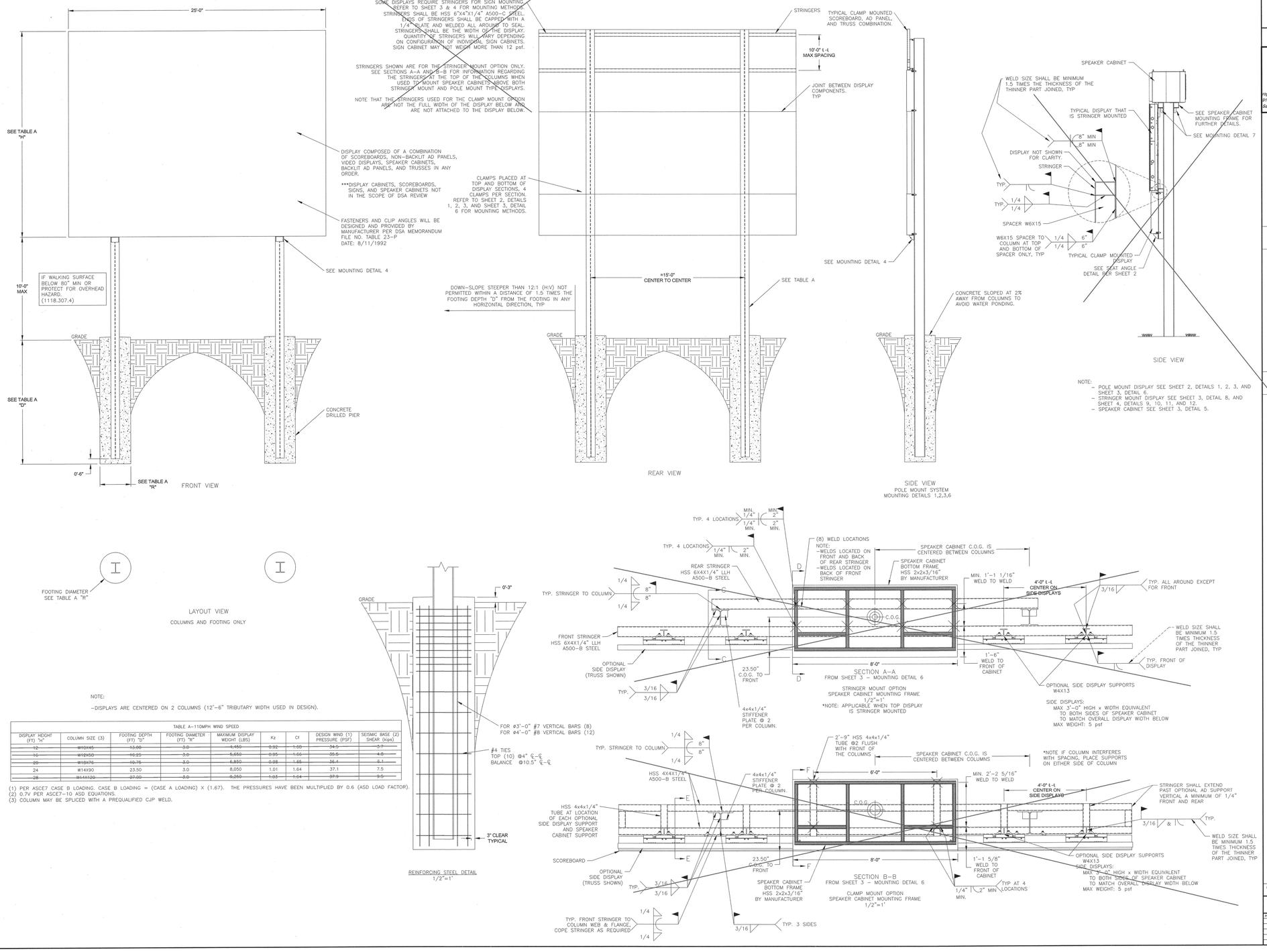

PRE-CHECK (PC) DOCUMENT

CODE: 2016 CBC

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roger l. allworth, s.e.
9138 s. State Street, Suite 101 (801) 990-1775
Sandy, Utah 84070 (801) 990-1776 FAX

VECTOR ENGINEERS
9138 S. STATE STREET, SUITE 101 (801) 990-1775
SANDY, UTAH 84070 (801) 990-1776 FAX

PROJECT #:01039-427-171

REGISTERED PROFESSIONAL ENGINEER ROGER T. ALLWORTH S3914 STRUCTURAL STATE OF CALIFORNIA

03/08/2017

STRUCTURAL ENGINEER OF RECORD

APPROVALS

PRE-CHECK (PC) DOCUMENT
Code: 2016 CBC
A separate project application for construction is required.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
04 116017
ACS 2 FLS 2F SS DM
DATE NOV 30 2017

REV.	DATE	REVISED DRAWING PER DSA COMMENTS MADE ON 14 JUL 17.	BY
01	19 OCT 17		BAE

DAKTRONICS — THIRD ANGLE PROJECTION

PROJECT:	2016 DSA PRE-CHECK DRAWINGS		
TITLE:	PC-2, 25'-0" WIDE ELEVATION, 110 MPH WIND SPEED		
DATE:	20 FEB 17	DIM UNITS: INCHES [MILLIMETERS]	SHEET: 6
SCALE:	1/4" = 1'-0"	DO NOT SCALE DRAWING	REV: 01
DESIGN:	SEASTMA	JOB NO. P2015-01	SIZE: F 10 - D
DRAWN:	SEASTMA		3574940

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OXNARD UNION HIGH SCHOOL DISTRICT

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

500 W. BARD RD, OXNARD, CA. 93033

DSA SUBMITTAL

07/17/2019

NO.	REASON	DATE

PRINCIPAL IN CHARGE

PROJECT MANAGER

DESIGN TEAM

HUENEME HIGH SCHOOL TRACK & FIELD IMPROVEMENTS - INC 1

6121235302

PC-2 25'-0" WIDE ELEVATION 110 MPH WIND SPEED

6

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