COMPTON COMMUNITY COLLEGE DISTRICT

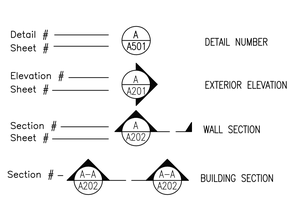
1111 E. ARTESIA BLVD., COMPTON, CA 90221

FOOTBALL FIELD REPLACEMENT

ABBREVIATIONS

&	AND	JAN.	JANITOR	U.N.O.	UNLESS NOTED OTHERWISE
∠	ANGLE	JT.	JOINT	U.O.F.	UNDERSIDE OF FRAME
@	AT			UR.	URINAL
℄	CENTERLINE	KIT.	KITCHEN		
ø	DIAMETER OR ROUND	LAB.	LABORATORY	V.	VENT
		LAM. PLAS.	LAMINATED PLASTIC	VAR.	VARIES
A.B.	ANCHOR BOLT	LAV.	LAVATORY	V.C.T.	VINYL COMPOSITION TILE
A.F.F.	ABOVE FINISH FLOOR	LVR.	LOUVER	VERT.	VERTICAL
A.C.	ASPHALTIC CONCRETE			VEST.	VESTIBULE
ADJ.	ADJACENT	MAR.	MARBLE	V.F.W.C.	VINYL FABRIC WALL COVERING
		MATL.	MATERIAL	V.G.D.F.	VERTICAL GRAIN DOUGLAS FIR
ALUM.	ALUMINUM	MAX.	MAXIMUM		
APPROX.	APPROXIMATELY	M.C.	MEDICINE CABINET	W.	WEST
ARCH.	ARCHITECT	M.C.B.	METAL CORNER BEAD	W/	WITH
		MECH.	MECHANICAL	W.C.	WATER CLOSET
BD.	BOARD	MET.	METAL	WD.	WOOD
BET.	BETWEEN	MFR.	MANUFACTURER	W. GL.	WIRE GLASS
BLDG.	BUILDING	MIN.	MINIMUM	W.I.	WROUGHT IRON
BLK.	BLOCK	MISC.	MISCELLANEOUS	W.M.P.	WIRE MESH PARTITION
BLKG.	BLOCKING	M.O.	MASONRY OPENING	WP.	WATERPROOF
BM.	BEAM	MTD.	MOUNTED		
		MUL.	MULLION		
CAB.	CABINET	N.	NORTH		
C.B.	CATCH BASIN	NAT.	NATURAL		
C.F.	CURB FACE	N.G.	NATURAL GRADE		
C.I.	CAST IRON	N.I.C.	NOT IN CONTRACT		
C.J.	CONTROL JOINT	NO./ #	NUMBER		
CLG.	CEILING	NOM.	NOMINAL		
C.O.	CONCRETE OPENING	N.T.S.	NOT TO SCALE		
COL.	COLUMN				
COMPO.	COMPOSITION	O.A.	OVERALL		
CONC.	CONCRETE	OBS.	OBSCURE		
C.M.U.	CONCRETE MASONRY UNITS	O.C.	ON CENTER		
CONT.	CONTINUOUS	O.D.	OUTSIDE DIAMETER		
CONTR.	CONTRACTOR	OPP.	OPPOSITE HAND		
CORR.	CORRIDOR	OPG.	OPENING		
		OSA.	OUTSIDE AIR		
DET.	DETAIL				
D.F.	DRINKING FOUNTAIN	PART.	PARTITION		
D.G.	DECOMPOSED GRANITE	P.C.C.	PORTLAND CEMENT CONCRETE		
DIA.	DIAMETER	P.H.	PANIC HARDWARE		
DIM.	DIMENSION	PL.	PLATE		
DIS.	DISPENSER	P.L.	PROPERTY LINE		
DIV.	DIVISION	PLAS.	PLASTER		
DN.	DOWN	PLYWD.	PLYWOOD		
DBL.	DOUBLE	PR.	PAIR		
DFTN.	DRINKING FOUNTAIN	P.J.	PLASTIC CONTROL JOINT		
DRY S.	DRY STANDPIPE	R.	RISER		
D.S.	DOWNSPOUT	R.B.	RUBBER BASE		
DWG.	DRAWING	RAD.	RADIUS		
(E)	EXISTING	REDWD.	REDWOOD		
EA.	EACH	REF.	REFERENCE		
E.J.	EXPANSION JOINT	REFR.	REFRIGERATOR		
ELEC.	ELECTRIC	REG.	REGISTER		
ELEV.	ELEVATION	REINF.	REINFORCEMENT		
ENT.	ENTRANCE	REQ'D.	REQUIRED		
EMER.	EMERGENCY	RESIL.	RESILIENT		
ENCL.	ENCLOSURE	REV.	REVERSE		
EQ.	EQUAL	RM.	ROOM		
EQUIP.	EQUIPMENT	R.O.	ROUGH OPENING		
EXIST.	EXISTING	RO.	ROUGH		
E.G.	EXISTING GRADE				
EXPO.	EXPOSED	S.	SOUTH		
EXP.	EXPANSION	S.B.	SPLASH BLOCK		
EXT.	EXTERIOR	S.D.	STORM DRAIN		
		S.C.	SOLID CORE		
F.D.	FLOOR DRAIN	SCHED.	SCHEDULE		
F.E.	FIRE EXTINGUISHER	SECT.	SECTION		
F.E.C.	FIRE EXTINGUISHER & CABINET	SHT.	SHEET		
F.F.	FINISH FLOOR	SIM.	SIMILAR		
F.G.	FINISH GRADE	S.J.			
F.H.	FIRE HYDRANT	SLDG.	SLIDING		
F.H.W.S.	FLATHEAD WOOD SCREWS	SM. F.	SMOOTH FACE		
FIN.	FINISH	S.M.S.	SHEET-METAL SCREW		
F.L.	FLOW LINE	SPEC.	SPECIFICATIONS		
FLASH.	FLASHING	SP. F.	SPLIT FACE		
F.L.F.D.	FUSIBLE LINK FIRE DAMPER	SQ.	SQUARE		
FLUOR.	FLUORESCENT	S.S.	SERVICE SINK		
F.O.C.	FACE OF CONCRETE	SST.	STAINLESS STEEL		
F.O.F.	FACE OF FINISH	STAT.	STATIONARY		
F.O.M.	FACE OF MASONRY	STD.	STANDARD		
F.O.S.	FACE OF STUD	STL.	STEEL		
F.O.V.	FACE OF VENEER	STRUCT.	STRUCTURAL		
F.R.A.	FIRE RATED ASSEMBLY	SUSP.	SUSPENDED		
		S.W.W.	STEEL WINDOW WALL		
F.S.	FLOOR SINK	SYM.	SYMMETRICAL		
FT.	FOOT OR FEET				
FURR.	FURRING	T.	TREAD		
GA.	GAUGE	T.B.	TACKBOARD		
GALV.	GALVANIZE	T. & B.	TOP & BOTTOM		
G.I.	GALVANIZED IRON	T.C.	TOP OF CURB		
GL.	GLASS	T.D.	TOWEL DISPENSER		
GLU. LAM.	GLUE LAMINATED	T.G.	TOP OF GRATE		
GND.	GROUND	T. & G.	TONGUE & GROOVE		
GR.	GRADE	T.O.M.	TOP OF MASONRY		
GYP.	GYPSUM	T.O.P.	TOP OF PLATE AT PARAPET		
H.B.	HOSE BIBB	T.O.R.	TOP OF ROOFING		
H.M.	HOLLOW METAL	T.O.S.	TOP OF SHEATING		
HORIZ.	HORIZONTAL	T.P	TOP OF PAVING		
HR.	HOUR	T.W.	TOP OF WALL		
HT.	HEIGHT	TEL.	TELEPHONE		
HTG.	HEATING	TEMP.	TEMPERATURE		
HDWD.	HARDWOOD	TERR.	TERRAZZO		
I.D.	INSIDE DIAMETER	TR.	TRANSOM		
INSUL.	INSULATION	TRANSF.	TRANSFORMER		
INT.	INTERIOR	TYP.	TYPICAL		
INV.	INVERT				

SYMBOLS



RENOV/DEMO GENERAL NOTES

1. COORDINATE ALL DEMOLITION WORK WITH REPAIR WORK. COORDINATE ARCHITECTURAL FOR LOCATIONS, EXTENT OF WORK AND SIZES.
2. COORDINATE NEW OPENINGS IN EXISTING ROOF FOR PIPES AND CONDUITS WITH MECHANICAL AND ELECTRICAL CONSTRUCTION.
3. THE CONTRACTOR SHALL DISPOSE OF ALL REMOVED AND/OR DEMOLISHED MATERIAL, WASTE AND DEBRIS CAUSED BY THE NEW WORK. THIS MATERIAL SHALL BE REMOVED FROM THE PROPERTY AND TAKEN TO A LEGALLY OPERATED DISPOSAL SITE.
4. REMOVAL OF ALL DEBRIS SHALL BE DONE CAREFULLY AND NOT ALLOWED TO FALL AND TO IMPACT EXISTING STRUCTURE, WORK AND/OR FINISHES. REPAIR ANY DAMAGE AFTER REPORTING AND RECEIVING INSTRUCTIONS FOR REMEDIAL WORK.
5. BEFORE PROCEEDING WITH DEMOLITION, THE CONTRACTOR SHALL VERIFY THAT THE REMOVAL OF EXISTING BUILDING COMPONENTS DOES NOT REQUIRE SHORING AND/OR BRACING. WHERE DEMOLITION WORK NECESSITATES THE PROVISION OF SHORING AND/OR BRACING, THE CONTRACTOR SHALL PROVIDE SUCH UNLESS SPECIFICALLY SHOWN OTHERWISE.
6. MATERIALS, EQUIPMENT OR CONSTRUCTIONS NOT NOTED IN THE CONSTRUCTION DOCUMENTS, ARE A PART OF THE WORK, AND IF DISCOVERED DURING THE COURSE OF THE WORK, SHALL BE REPORTED FOR INSTRUCTIONS PRIOR TO REMOVAL OR ABANDON IN PLACE.
7. IN ADDITION TO DEMOLITION SHOWN, CUT, MOVE, DISMANTLE OR SALVAGE ITEMS NECESSARY TO PROVIDE ACCESS TO ALLOW REPAIR WORK TO PROCEED. INCLUDE SUCH ITEMS SUCH AS :
   A. REPAIR OR REMOVAL OF HAZARDOUS OR UNSANITARY CONDITIONS.
   B. REMOVAL OF ABANDONED ITEMS AND ITEMS SERVING NO USEFUL PURPOSE SUCH AS ALL ABANDONED PIPING, CONDUIT AND WIRING.
   C. REMOVAL OF UNSUITABLE OR EXTRANEOUS MATERIALS NOT INDICATED FOR SALVAGE, SUCH AS ABANDONED FURNISHINGS AND EQUIPMENT, AND DEBRIS SUCH AS ROTTED WOOD, RUSTED METALS AND DETERIORATED CONCRETE.
   D. CLEANING OF ALL SURFACES AND REMOVAL OF SURFACE FINISHES AS NEEDED TO INSTALL NEW WORK AND FINISHES.
8. PATCH, REPAIR AND REFINISH EXISTING ITEMS TO REMAIN TO THE SPECIFIED CONDITION FOR EACH MATERIAL, WITH A CRAFTSMAN LIKE TRANSITION TO ADJACENT NEW ITEMS AND CONSTRUCTION.PATCH AND EXTEND REPAIR WORK TO MEET AND MATCH EXISTING WORK USING SKILLED MECHANICS WHO ARE CAPABLE OF MATCHING EXISTING QUALITY OF WORKMANSHIP. QUALITY OF PATCHED OR EXTENDED WORK SHALL NOT BE LESS THAN THAT SPECIFIED FOR THE NEW WORK.
9. PRODUCTS FOR PATCHING, EXTENDING AND MATCHING: PROVIDE SAME PRODUCT OF TYPES OF CONSTRUCTION AS THAT IN EXISTING STRUCTURE, AS NEEDED TO PATCH, EXTEND OR MATCH EXISTING WORK. GENERALLY CONTRACT DOCUMENTS WILL NOT DEFINE PRODUCTS OF STANDARDS OR WORKMANSHIP PRESENT IN EXISTING CONSTRUCTION. CONTRACTOR SHALL DETERMINE PRODUCTS BY INSPECTION AND TESTING. WORKMANSHIP SHALL MATCH IN ALL RESPECTS THE EXISTING AS A SAMPLE OF COMPARISON.
10. THE PRESENCE OF A PRODUCT, FINISH, OR TYPE OF CONSTRUCTION REQUIRES THAT PATCHING, EXTENDING OR MATCHING SHALL BE PERFORMED AS NECESSARY TO MAKE WORK COMPLETE AND CONSISTENT TO IDENTICAL STANDARDS OF QUALITY.
11. PATCH OR REPLACE ANY PORTION AN EXISTING FINISHED SURFACE WHICH IS FOUND TO BE DAMAGED, LIFTED, DISCOLORED OR SHOWS OTHER IMPERFECTIONS WITH MATCHING MATERIAL.
   A. PROVIDE ADEQUATE SUPPORT OF SUBSTRATE PRIOR TO PATCHING THE FINISH.
   B. REFINISH PATCHED PORTIONS OF PAINTED OR COATED SURFACES IN A MANNER TO PRODUCE UNIFORM COLOR AND TEXTURE OVER THE ENTIRE SURFACE.
   C. WHEN EXISTING SURFACE FINISH CANNOT BE MATCHED, REFINISH ENTIRE SURFACE TO NEAREST INTERSECTIONS.
12. WHEN NEW WORK ABUTTS OR FINISHES FLUSH WITH EXISTING WORK, MAKE A SMOOTH AND CRAFTMAN LIKE TRANSITION. PATCHED WORK SHALL MATCH EXISTING AND ADJACENT WORK IN THE MATERIAL, FINISH, TEXTURE AND APPEARANCE SO THE PATCH AND TRANSITION IS INVISIBLE AT A DISTANCE OF SIX FEET WHEN VIEWED FROM ALL ANGLES BETWEEN 90 AND 45 DEGREES TO THE PLANE OF THE HATCH.
13. ALL ADJACENT WORK AND CONSTRUCTIONS DAMAGED DUE TO DEMOLITION SHALL BE REPAIRED AS PART OF THIS CONTRACT.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXPOSED EXISTING STRUCTURES AT THE WORK AREA FROM WEATHER AND OTHER INCLEMENT CONDITIONS AND FROM THE INSTALLATION OF OTHER WORK. ANY DAMAGE INCURRED DUE TO FAILURE BY THE CONTRACTOR TO PROPERLY PROTECT SUCH WORK, SHALL BE REPAIRED AT CONTRACTOR'S EXPENSE.
15. CONTRACTOR SHALL INCLUDE THE REMOVAL OF ALL ITEMS WITHIN THE PARAPET OR PORTIONS OF PARAPET BEING REMOVED IN HIS SCOPE OF WORK. ABANDONED CONDUIT AND PIPING EXTENDING FROM THE CONCRETE ROOF SHALL BE REMOVED AND CAPPED PROPERLY.

GENERAL NOTES

1. VERIFY ALL DIMENSIONS, LOCATIONS OF EXISTING UTILITIES, AND CONDITIONS ON THE JOB SITE PRIOR TO THE START OF WORK OR PORTIONS OF THE WORK. NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN THE ACTUAL FIELD CONDITIONS AND THE CONSTRUCTION DOCUMENTS. EXISTING CONDITIONS ARE INDICATED AS A RESULT OF FIELD OBSERVATIONS, INFORMATION SHOWN ON AVAILABLE DOCUMENTS AND FIELD CONDITIONS AT THE TIME OF PREPARATION.
2. ALL MATERIALS AND WORKMANSHIP SHALL COMPLY WITH ALL GOVERNING CODES, ORDINANCES, REGULATIONS AND LAWS.
3. THE DESIGN ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS AND SCAFFOLDING IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
4. WHERE ANY CONFLICT OCCURS BETWEEN THE REQUIREMENTS OF LAWS, CODES, ORDINANCES, RULES AND REGULATIONS, THE MOST STRINGENT SHALL GOVERN.
5. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM PLANS, SECTIONS OR DETAILS ON THE DRAWINGS.
6. DETAILS MARKED 'TYPICAL' SHALL APPLY IN ALL CASES UNLESS SPECIFICALLY NOTED OTHERWISE.
7. WHERE NO SPECIFIC DETAIL IS SHOWN, THE FRAMING OR CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION.
8. ENACT ALL MEASURES TO PROTECT AND SAFEGUARD ALL EXISTING ELEMENTS TO REMAIN FROM BEING DAMAGED. REPLACE OR REPAIR EXISTING ELEMENTS DAMAGED BY THE EXECUTION OF THIS CONTRACT TO EQUAL OR BETTER CONDITION.
9. WHERE NEW CONSTRUCTION ABUTS EXISTING FINISHED SURFACES, CONTRACTOR SHALL ALIGN NEW CONSTRUCTION SO THAT NEW FINISHES ARE FLUSH WITH EXISTING. MATCH EXISTING TEXTURES AND COLORS.
10. CONTRACTOR SHALL COORDINATE BETWEEN THE REQUIREMENTS OF ALL DISCIPLINES HEREIN AND BETWEEN DRAWING AND SPECIFICATION REQUIREMENTS IN ORDER THAT ALL ITEMS RELATE TO ONE ANOTHER. NOTIFY ARCHITECT IMMEDIATELY REGARDING ANY ITEMS NOT COORDINATED.
11. KEYNOTES DO NOT DESCRIBE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES. NO TRADE JURISDICTIONAL ALLOCATION OF THIS WORK IS INTENDED BY THE SUBDIVISION OF THE KEYNOTES. IT SHALL BE THE CONTRACTORS SOLE RESPONSIBILITY TO SUBDIVIDE THE WORK IN THE MANNER HE DEEMS NECESSARY.
12. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF CONSTRUCTION, ALTERATION, REHABILITATION OR RECONSTRUCTION SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (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, CALIFORNIA CODE OF REGULATIONS, A CHANGE ORDER OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE OFFICE BEFORE PROCEEDING WITH THE WORK.
13. CONTRACTOR SHALL STOP WORK AND NOTIFY ARCHITECT IMMEDIATELY IF ANY ASBESTOS CONTAINING MATERIAL (ACM) OR SUSPECTED ACM IS FOUND DAMAGED OR DISTURBED.
14. CONTRACTOR SHALL EXCERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING, CONDUIT, ETC. AND TO PREVENT HAZARD TO PERSONNEL AND/OR TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES. THE DESIGN PROFESSIONALS ARE NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES, WHETHER OR NOT SHOWN ON AND INSTALLED BY THESE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DISTRICT SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
15. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTIONS 4–342 PART I, TITLE 24 CCR.
16. FOOD HANDLING FACILITIES SHALL COMPLY WITH ALL LOCAL HEALTH REQUIREMENTS AND CALIFORNIA UNIFORM RETAIL FOOD FACILITIES LAW.
17. UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBER SHALL BE CUT, NEITHER DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE ARCHITECT.

SHEET INDEX

TOTAL SHEETS: 3

DIRECTORY

OWNER
COMPTON COMMUNITY COLLEGE DISTRICT
1111 E. ARTESIA BLVD
COMPTON, CA 90221
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CIVIL ENGINEER
FPL AND ASSOCIATES, INC.
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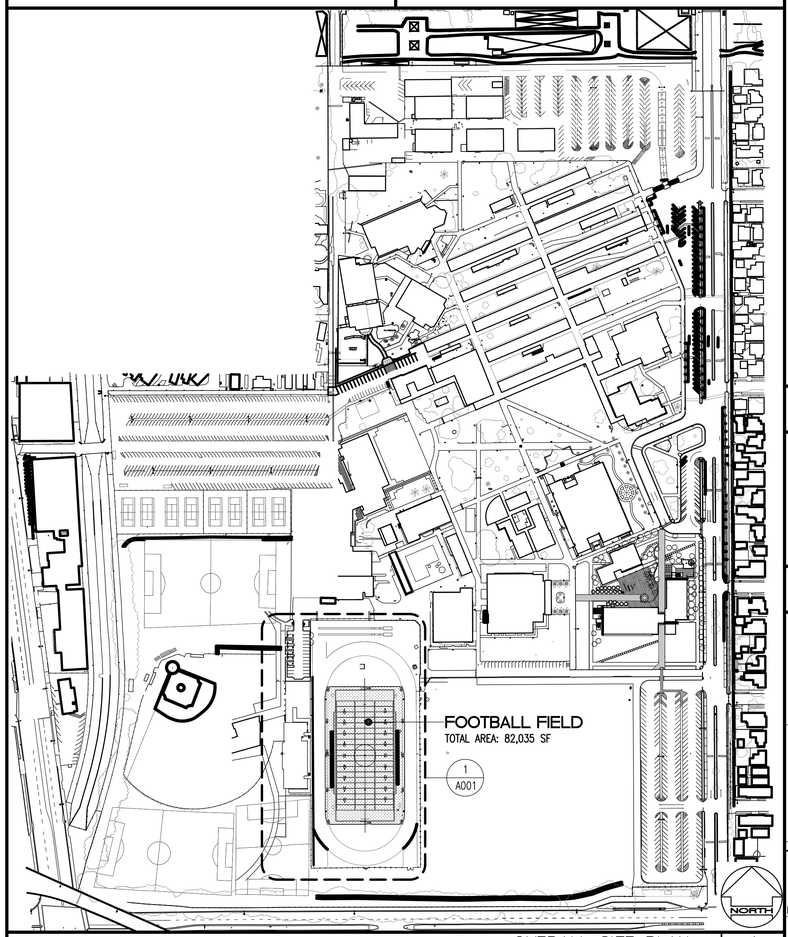
IRVINE, CA 92626
949.252.1688 VOICE
949.252.0888 FAX
CONTACT: RON CANEDY



OVERALL SITE PLAN 1 N.T.S.

APPLICABLE CODES

PARTIAL LIST OF APPLICABLE CODES AS OF July 1, 2014

2013 California Administrative Code, Part 1, Title 24 C.C.R.*
2013 California Building Code (CBC), Part 2, Title 24 C.C.R.
(2012 International Building Code Volumes 1-2 & 2013 California Amendments)
2013 California Electrical Code (CEC), Part 3, Title 24 C.C.R.
(2013 National Electrical Code & 2013 California Amendments)
2013 California Mechanical Code (CMC), Part 4, Title 24 C.C.R.
(2012 Uniform Mechanical Code & 2013 California Amendments)
2013 California Plumbing Code (CPC), Part 5, Title 24 C.C.R.
(2012 Uniform Plumbing Code and 2013 California Amendments)
2013 California Energy Code (CEC), Part 6, Title 24 C.C.R.
2013 California Fire Code, Part 9, Title 24 C.C.R.
(2012 International Fire Code and 2013 California Amendments)
2013 California Green Building Standard Code (CALGreen), Part 11, Title 24 C.C.R.
2013 California Referenced Standards Code, Part 12, Title 24 C.C.R.
Title 19, C.C.R., Public Safety, State Fire Marshall Regulations
2007 asme a17.1 (w/A17.1a/csa B44a-08 addenda) Safety Code For Elevators and Escalators

PARTIAL LIST OF APPLICABLE STANDARDS

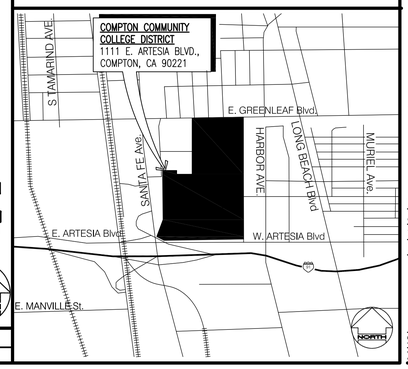
NFPA 13 –	Automatic Sprinkler Systems	2013 Edition
NFPA 14 –	Standpipes Systems	2013 Edition
NFPA 17 –	Dry Chemical Extinguishing Systems	2013 Edition
NFPA 17a–	Wet Chemical Systems	2013 Edition
NFPA 20 –	Stationary Pumps	2013 Edition
NFPA 22 –	Water tanks for Private Fire Protection	2013 Edition
NFPA 24 –	Private Fire Mains,	2013 Edition
NFPA 72 –	National Fire Alarm Codes,	2013 Edition
NFPA 80 –	Fire Door and Other Opening Protective	2013 Edition
NFPA 92 –	Standard for Smoke Control System	2012 Edition
NFPA 253–	Critical Radiant Flux of Floor Covering Systems	2006 Edition
NFPA 2001–	Clean Agent Fire Extinguishing Systems	2012 Edition
ICC 300 –	ICC Standard ON Bleachers, Folding and Telescoping Seating and Grand stands	2012 Edition
UL 300 –	Fire Testing of Fire Extinguishing Systems for Protection of Restaurant Cooking Area	2005 Edition
UL 464 –	Audible Signal Appliances	2003 Edition
UL 521 –	Heat Detectors for Fire Protective Signaling Systems	1999 Edition

Reference code section for NFPA Standards– 2013 CBC (SFM) Chapter 35.
See Chapter 35 for State of California amendments to NFPA Standards.

PROJECT DESCRIPTION

CONSTRUCT A SPORTS COMPLEX CONSISTING OF: FOOTBALL FIELDS W/SYNTHETIC TURF

VICINITY MAP



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PH: 714.665.8030
FAX: 714.665.8029

LICENSED ARCHITECT DAVID M. BANNON NO. C-23604 STATE OF CALIFORNIA EXP. JULY 31, 2015

Architect Seal

Consultant Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES
FILE NO.:
APPL. NO.: 04–
AC.____ FLS.____ SS.____
DATE ____

COMPTON COMMUNITY COLLEGE DISTRICT
COMPTON FOOTBALL FIELD
1111 E. ARTESIA BLVD., COMPTON, CA 90221

TITLE SHEET

REVISIONS:
1
2
2R
3
4
5
6

Date: 06/08/15
Job: 1529
Scale: N.T.S.
Drawn:

G001

SHEET OF XXX
XREF:

SITE IMPROVEMENT PLANS

FOR

COMPTON COMMUNITY COLLEGE DISTRICT

COMPTON FOOTBALL FIELD

GENERAL NOTES FOR GRADING

1. ALL WORK SHALL CONFORM WITH THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC), 2012 EDITION AND THE LATEST REVISIONS THERETO, THE WORK AREA TRAFFIC CONTROL HANDBOOK (W.A.T.C.H. MANUAL), A.D.A, TITLE 24 REQUIREMENTS, AND THE 2013 C.B.C. UNLESS SPECIFIED OTHERWISE IN THE CONTRACT SPECIFICATIONS.
2. THROUGHOUT ALL PHASES OF CONSTRUCTION, INCLUDING SUSPENSION OF WORK, UNTIL FINAL ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL KEEP THE WORK SITE CLEAN AND FREE FROM RUBBISH AND DEBRIS. THE CONTRACTOR SHALL ALSO ABATE DUST NUISANCE BY CLEANING, SWEEPING AND SPRINKLING WITH WATER AND USING DUST FENCES OR OTHER METHODS AS DIRECTED BY THE CONSTRUCTION MANAGER OR FIELD INSPECTOR THROUGHOUT THE CONSTRUCTION OPERATION.
3. KEEP A RECORD OF CHANGES THAT OCCUR DURING CONSTRUCTION AND SUBMIT THIS RECORD TO THE OWNER CERTIFIED AS "RECORD DRAWING" PLANS.
4. ALL DAMAGE CAUSED TO PUBLIC STREETS, INCLUDING HAUL ROUTES, ALLEYS, SIDEWALKS, CURBS OR STREET FURNISHINGS, OR TO PRIVATE PROPERTY SHALL BE REPAIRED AT THE SOLE EXPENSE OF THE CONTRACTOR TO THE ENGINEER'S SATISFACTION.
5. THE CONTRACTOR SHALL REMOVE AND REPLACE ANY EXISTING BROKEN OR DAMAGED SIDEWALK, CURB, GUTTER OR ASPHALT PAVING (PATCH, REPAIR OR OVERLAY) CAUSED BY THEIR WORK ON THIS PROJECT AT THE DIRECTION OF THE SCHOOL DISTRICT AT NO ADDITIONAL COST TO THE OWNER.
6. ALL UNDERGROUND SEWER, STORM DRAIN, AND WATER PIPELINES, ELECTRIC POWER, TELEPHONE OR CABLE TV CONDUITS AND CABLE AND GAS PIPELINES SHALL BE INSTALLED PRIOR TO CONSTRUCTION OF CURBS, GUTTERS, SIDEWALKS AND PAVEMENT.
7. UPON MOBILIZATION THE CONTRACTOR SHALL POTHOLE AND EXPOSE THE EXISTING UTILITIES AT ALL CROSSINGS AND AT THE POINT OF TIE-IN; THEN CONTACT THE ENGINEER TO VERIFY THE ELEVATION OF THE EXISTING FACILITIES.
8. SURVEY MONUMENTS SHALL BE PRESERVED AND REFERENCED BEFORE CONSTRUCTION AND RE-PLACED AFTER CONSTRUCTION PURSUANT TO SECTION 2-9 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTIOIN (SSPWC).
9. EITHER WATER OR DUST PALLIATIVE, OR BOTH, MUST BE APPLIED FOR THE ALLEVIATION OR PREVENTION OF EXCESSIVE DUST RESULTING FROM THE LOADING OR TRANSPORTATION OF EARTH FROM OR TO THE PROJECT SITE OR PRIVATE AND PUBLIC ROADWAYS.
10. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.
11. ALL AREAS TO RECEIVE COMPACTED FILL SHALL BE INSPECTED AND APPROVED BY THE SOILS ENGINEER (AND ENGINEERING GEOLOGIST, WHERE EMPLOYED) AFTER REMOVAL OF UNSUITABLE MATERIAL AND EXCAVATION OF KEYWAYS AND BENCHES, AND PRIOR TO PLACEMENT OF SUBSURFACE DRAINAGE SYSTEMS OR ANY FILLS.
12. ALL SOILS OR ROCK MATERIALS DEEMED UNSUITABLE FOR PLACEMENT IN COMPACTED FILL BY THE SOILS ENGINEER SHALL BE REMOVED FROM THE SITE.
13. ALL TREE ROOTS, ABANDONED IRRIGATION LINES, UTILITY SERVICES, SEPTIC TANKS AND SIMILAR MATERIALS SHALL BE REMOVED FROM THE SITE AND VOIDS CREATED THEREBY SHALL BE PROPERLY FILLED AND COMPACTED AS DIRECTED BY THE GEOTECHNICAL ENGINEER WITHIN THE LIMITS OF WORK UNDER THE FIELD.
14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING STORM DAMAGE PREVENTION MEASURES OR EROSION CONTROL DEVICES AND/OR TO PERFORM CERTAIN GRADING TO PREVENT SOIL OR EXCESS RUNOFF FROM FLOWING INTO PUBLIC STREETS OR ADJACENT PROPERTIES. IN THE EVENT OF SUCH AN OCCURRENCE, CLEANUP SHALL COMMENCE IMMEDIATELY. SHOULD CITY FORCES OR THE CITY CONTRACTOR PERFORM ANY CLEANUP RESULTING FROM THIS DEVELOPMENT, THE CONTRACTOR SHALL PAY THE COST INCURRED WITHIN TEN (10) WORKING DAYS UPON RECEIPT OF BILLING.
15. THE CONTRACTOR OR HIS AGENT SHALL BE RESPONSIBLE FOR REMOVAL AND CLEANUP OF ANY SPILL ON PUBLIC STREETS DURING THE GRADING OPERATION. AS WELL AS REPAIR OF DAMAGE TO HAUL ROUTES AND EXISTING FACILITIES.
16. ALL EQUIPMENT USED TO HAUL EXCAVATION OR FILL MATERIAL FROM OR TO THE SITE SHALL FOLLOW A DESIGNATED ROUTE OR ROUTES IN GOING TO AND FROM THE SITE. THE CONTRACTOR SHALL BE ENTITLED TO THE DESIGNATION OF A ROUTE PROVIDING ACCESS TO A SPECIFIED PLACE OTHER THAN THE SITE, AFTER SHOWING TO THE SATISFACTION OF THE CITY BUILDING OFFICIAL THAT SUCH SPECIFIED PLACE IS A PLACE WHERE EXCAVATION MATERIAL MAY BE REASONABLY DEPOSITED OR FILL MATERIAL MAY BE OBTAINED. A SEPARATE ENCROACHMENT PERMIT IS REQUIRED WHEN IT IS NECESSARY TO FLAG TRAFFIC OR INSTALL ANY TRAFFIC CONTROL DEVICES NO CITY RIGHT-OF-WAY.
17. ANY EARTH ROCK, GRAVEL, SAND, STONE OR OTHER EXCAVATED MATERIAL DEPOSITED OR CAUSED TO ROLL, FLOW OR WASH UPON ANY PUBLIC PLACE OR PRIVATE PROPERTY SHALL BE REMOVED FROM SUCH PUBLIC PLACE OR PRIVATE PROPERTY BY THE END OF THE WORKDAY BY THE CONTRACTOR RESPONSIBLE FOR THE DEPOSITION. IF AN ADVERSE CONDITION IS CAUSED BY DEPOSIT, THE CONDITION SHALL BE CORRECTED IMMEDIATELY.
18. EVERY EFFORT SHOULD BE MADE TO ELIMINATE THE DISCHARGE OF NON-STORMWATER FROM THE PROJECT SITE AT ALL TIMES.
19. ALL TRUCKS HAULING DIRT, SAND, OIL, OR OTHER LOOSE MATERIALS ON A HIGHWAY ARE TO BE COVERED OR SHOULD MAINTAIN AT LEAST TWO FEET OF FREEBOARD IN ACCORDANCE WITH THE REQUIREMENTS OF CALIFORNIA VEHICLE CODE SECTION 23114. (FREEBOARD MEANS VERTICAL SPACE BETWEEN THE TOP OF THE LOAD AND TOP OF THE TRAILER).
20. NO PERSON SHALL, WHEN HAULING ANY EARTH, SAND, GRAVEL, ROCK, STONE OR OTHER EXCAVATED MATERIAL OR DEBRIS OVER ANY PUBLIC STREET, ALLEY OR OTHER PUBLIC PLACE, ALLOW SUCH MATERIAL TO BLOW OR SPILL OVER UPON SUCH STREET, ALLEY OR PUBLIC PLACE OR ADJACENT PRIVATE PROPERTY OR ANY WATER BODIES, CREEKS OR STREAMS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REMOVAL OF ANY CONSTRUCTION OR SOILS MATERIALS DEPOSITED ON THE PUBLIC RIGHT-OF-WAY, PUBLIC WATERS OR ADJACENT PRIVATE PROPERTY.
21. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLANS UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.

EARTHWORK NOTICE TO CONTRACTOR: NO EARTHWORK ANALYSIS HAS BEEN COMPLETED WITH RESPECT TO VOLUMES OF SOILS TO BE EXCAVATED, PLACED, OR IMPORTED IN ORDER TO PROVIDE THE FINISHED GRADES SHOWN ON THE PLANS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR VERIFYING THE EARTHWORK QUANTITIES NECESSARY TO COMPLETE THE PROJECT.

IRRIGATION NOTICE TO CONTRACTOR:

A WORKING IRRIGATION SYSTEM EXISTS ON THIS SITE. CONTRACTOR SHALL TAKE EXTREME CARE AS TO NOT DAMAGE EXISTING IRRIGATION SYSTEM. CONTRACTOR SHALL REPAIR IRRIGATION CONTROL WIRES OR OTHER LOW VOLTAGE WIRES IN AREAS THAT ARE DAMAGED BY CONTRACTOR. CONTRACTOR SHALL REPAIR AND/OR REPLACE BROKEN LINES AND/OR EQUIPMENT DAMAGED DURING HIS COURSE OF CONSTRUCTION. REPAIR MATERIALS SHALL BE AS THE SAME AS EXISTING MATERIAL OR AS REQUIRED BY THE OWNER AT NOT ADDITIONAL COST TO THE OWNER.

GENERAL NOTES TO CONTRACTOR

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 7-10, PUBLIC CONVENIENCE AND SAFETY, OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), IN REGARDS TO SAFETY ORDERS.
2. SCOPE OF WORK:

   A. FURNISH ALL LABOR, SUPERVISION, MATERIALS, EQUIPMENT & FACILITIES NECESSARY TO FURNISH, FABRICATE, DELIVER, STORE AND INSTALL ALL WORK NOTED ON THE DRAWINGS.

   B. THE CONTRACTOR SHALL FURNISH & INSTALL ALL WORK NECESSARY TO MAKE A COMPLETE SYSTEM WHETHER OR NOT SUCH DETAILS ARE MENTIONED IN THESE SPECIFICATIONS OR SHOWN ON THE PLANS, BUT WHICH ARE OBVIOUSLY NECESSARY TO MAKE A COMPLETE SYSTEM, EXCEPTING ONLY THOSE PORTIONS THAT ARE SPECIFICALLY MENTIONED HEREIN OR PLAINLY MARKED ON THE ACCOMPANYING DRAWINGS AS BEING INSTALLED UNDER ANOTHER SECTION OF THE SPECIFICATION.
3. SITE INSPECTION: CONTRACTOR SHALL VISIT THE SITE OF WORK PRIOR TO SUBMISSION OF HIS BID AND THOROUGHLY FAMILIARIZE HIMSELF WITH THE WORKING CONDITIONS & EXACT NATURE OF THE WORK. SUBMISSION OF A BID ACKNOWLEDGES FULL RESPONSIBILITY FOR FURNISHING A COMPLETE & FUNCTIONAL SYSTEM. NO CHANGES IN CONTRACT WILL MADE TO ACCOMMODATE OR ALLOW EXTRA FUNDING FOR ANY OMISSIONS WHICH RESULTS FROM A FAILURE TO THOROUGHLY MAKE THE EXAMINATION.
4. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO VERIFY AVAILABLE SPACES FOR INSTALLING THE WORK.
5. COORDINATION: THE DRAWINGS ARE DIAGRAMMATIC & INTENDED TO SHOW SCOPE. CONTRACTOR SHALL COORDINATE HIS WORK WITH OTHER TRADES TO PROVIDE BEST ARRANGEMENT OF ALL DUCT, PIPES, CONDUIT, ETC.
6. WORKMANSHIP: THE WORK SHALL BE ACCOMPLISHED BY THE USE OF COMPETENT MECHANICS SKILLED IN THEIR TRADE. THE ENGINEER AND ARCHITECT SHALL HAVE THE RIGHT TO INTERPRET COMPLIANCE OF WORKMANSHIP WITH THE CONTRACT DOCUMENTS.
7. MATERIALS: ALL MATERIALS, APPLIANCES & EQUIPMENT SHALL BE NEW & THE BEST OF THEIR RESPECTIVE KIND. FREE FROM ALL DEFECTS AND OF THE MAKE, BRAND, AND QUANTITY SPECIFIED.
8. CLEAN-UP: UPON COMPLETION OF THE WORK UNDER THIS SECTION THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIALS. EQUIPMENT & DEBRIS INCIDENTAL TO THIS WORK & LEAVE THE PREMISES CLEAN AND ORDERLY.

SHEET INDEX

LEGEND

UTILITY/POWER POLE	SIGNAL PULLBOX	GB GRADE BREAK
SEWER MANHOLE	CABLE TV PULLBOX	BFV BACK FLOW VALVE
STORM DRAIN MANHOLE	COMMUNICATIONS PULLBOX	BW BACK OF WALK
TELEPHONE MANHOLE	UNKNOWN VAULT	TW TOP OF WALL
FIRE HYDRANT	FIRE DEPT CONNECTION	AC ASPHALT PAVEMENT
FA FIRE ALARM	CHAIN LINK FENCE	(12.56) EXISTING ELEVATION
STREET LIGHT	WOOD FENCE	CENTERLINE
SEWER CLEANOUT	BLOCK WALL	TPB TELEPHONE PULL BOX
WATER VALVE	TREE	EPB ELECTRIC PULL BOX
TEMPORARY BENCH MARK	PALM	CONCRETE
WATER METER	PINE	CLK CLOCK PULL BOX
GAS METER	BUSH	GUARD POST
WATER VAULT	INV PIPE INVERT ELEVATION	UTILITY MARKER
GAS VAULT	TR ELECTRICAL TRANSFORMER	GRATE
TELEPHONE VAULT	FS FINISHED SURFACE	HANDICAP
ELECTRIC VAULT	FF FINISHED FLOOR	FLAG POLE
LOW VOLTAGE	IRRIGATION CONTROL VALVE	FIRE SPRINKLER RISER
MONITORING WELL	TC TOP OF CURB	SURVEY MONUMENT
AREA LIGHT	FL FLOW LINE ELEVATION	SIGN POST
GUY WIRE	TG TOP OF GRATE ELEVATION	
INV INVERT	AC TOP OF ASPHALT ELEVATION	
FIELD COOLING VAULT		

LINE	DESCRIPTION
SD	STORM DRAIN
W	DOMESTIC WATER
F	FIRE WATER
S	SANITARY SEWER
G	GAS
O	OIL
E	ELECTRICAL/POWER
T	TELEPHONE
I	IRRIGATION

ABBREVIATIONS

ABND	ABANDONED	MH	MANHOLE
AC	ASPHALT PAVEMENT	NG	NATURAL GROUND
AP	ANGLE POINT	N.I.C.	NOT IN CONTRACT
BLDG	BUILDING	P.C.C.	PORTLAND CEMENT CONRETE
BC	BEGINNING OF CURVE	PL	PROPERTY LINE
BW	BACK OF WALK	PIV	POST INDICATOR VALVE
CL	CENTERLINE	PP	POWER POLE
CF	CURB FACE HEIGHT	RCE	REGISTERED CIVIL ENGINEER
CLF	CHAIN LINK FENCE	RR	RAILROAD
CONC	CONCRETE	S	SLOPE
DCV	DETECTOR CHECK VALVE	SDMH	STORM DRAIN MANHOLE
DESC	DESCRIBED	SL	STREET LIGHT
D/W	DRIVEWAY	SMH	SEWER MANHOLE
DI	DROP INLET	S.P.P.W.C.	STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION (LATEST EDITION).
EP	EDGE OF PAVEMENT		
EC	END OF CURVE	S.S.P.W.C.	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK), LATEST EDITION
EX	EXISTING		
FDC	FIRE DEPARTMENT CONNECTION		
FH	FIRE HYDRANT	SW	SIDEWALK
FL	FLOWLINE	T.B.M.	TEMPORARY BENCHMARK
FS	FINISH SURFACE	TC	TOP OF CURB
GA	GUY ANCHOR	TELE	TELEPHONE
GB	GRADE BREAK	TG	TOP OF GRATE
GP	GUARD POST	TCO	TOP OF CLEANOUT
GV	GAS VALVE	TS	TRAFFIC SIGN
HB	HOSE BIBB	TW	TOP OF WALL
HP	HIGH POINT	TYP.	TYPICAL
ICV	IRRIGTION CONTROL VALVE	UDG	UNDERGROUND CONDUIT
INV	INVERT	UTIL	UTILITY
IP	IRON PIPE	WM	WATER METER
L	LENGTH	WV	WATER VALVE
LIP	LIP OF GUTTER	W VLT	WATER VAULT
LP	LIGHT POLE	VIF	VERIFY IN FIELD
L T & T	LEAD TACK AND TAG	VLT	VAULT

HORIZONTAL CONTROL

A CAD GEOMETRIC ELECTRONIC FILE SHALL BE MADE AVAILABLE TO THE CONTRACTOR UPON REQUEST FOR THE CONTRACTOR'S SURVEYOR TO LAYOUT THE CONSTRUCTION STAKING OF THE PROJECT. THE SURVEYOR OR CONTRACTOR WILL NEED TO SIGN A WAIVER FORM BEFORE RELEASE OF ANY CAD ELECTRONIC DRAWINGS.

TEMPORARY BENCH MARK: ELEVATION: 58.29 FT.

TEMPORARY BENCHMARK (T.B.M.) BEING A PUNCH MARK ON THE STORM DRAIN MANHOLE RIM AT THE NORTH EAST CORNER OF THE TRACK AS NOTED ON THE GRADING PLAN.

EXISTING UNDERGROUND STRUCTURES & UTILITIES

THE LOCATIONS OF THE EXISTING UNDERGROUND UTILITIES, AS SHOWN ON THIS PLAN, WERE OBTAINED FROM SOURCES OF VARYING RELIABILITY. NO REPRESENTATION IS MADE AS TO THE ACCURACY OR COMPLETENESS OF SAID UTILITY INFORMATION. THE CONTRACTOR IS CAUTIONED THAT ONLY ACTUAL EXCAVATION WILL REVEAL THE LOCATIONS OF SUCH UNDERGROUND UTILITIES. CONTRACTOR ASSUMES RESPONSIBILITY FOR THE UNDERGROUND UTILITY PIPES, CONDUITS, OR STRUCTURES SHOWN OR NOT SHOWN ON THESE PLANS. VERIFY LOCATIONS OF EXISTING UTILITIES PRIOR TO EXCAVATION OR IMPROVEMENT. TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES.

PLAN PREPARED BY:

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Architect Seal

REGISTERED PROFESSIONAL ENGINEER ALAN WING-CHI LEE No. C 34971 Exp. 09-30-15 CIVIL STATE OF CALIFORNIA

Consultant Seal

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COMPTON COMMUNITY COLLEGE DISTRICT
COMPTON FOOTBALL FIELD
1111 E. ARTESIA BLVD., COMPTON, CA 90221

TITLE SHEET

REVISIONS:

Date:	06/10/15
Job:	1529
Scale:	NONE
Drawn:	AU

C001

SHEET - OF

XREF:

GRADING NOTE:
THE CONTRACTOR SHALL UTILIZE LASER-CONTROLLED EQUIPMENT FOR THE GRADING OF THE FIELD TO ENSURE ACCURACY IN GRADING TOLERANCES. FINAL GRADE SHALL BE ESTABLISHED TO WITHIN A TOLERANCE OF (.04') OF THE DESIGNED FINISH CONTOURS / GRADES.

CONSTRUCTION NOTES:
1. PROTECT EXISTING IMPROVEMENTS IN PLACE.
2. CONSTRUCT ASPHALT CONCRETE PAVEMENT 'SYNTHETIC TURF USAGE' PER TABLE 1 ON SHEET C003.
3. CONSTRUCT 18" x 18" CATCH BASIN PER DETAIL 3 ON SHEET C003.
4. CONSTRUCT 4" SDR-35 PVC DRAINAGE PIPE. SEE CORRESPONDING TRENCH DETAIL ON SHEET C003.
5. CONSTRUCT 6" SDR-35 PVC DRAINAGE PIPE. SEE CORRESPONDING TRENCH DETAIL ON SHEET C003.
6. CONSTRUCT 8" SDR-35 PVC DRAINAGE PIPE. SEE CORRESPONDING TRENCH DETAIL ON SHEET C003.
7. CONNECT NEW STORM DRAIN PIPE INTO EXISTING STORM DRAIN PIPE.
8. CONNECT NEW CATCH BASIN INTO EXISTING STORM DRAIN PIPE.
9. CONSTRUCT ACO SPORT SYSTEM 4000 CHANNEL DRAIN PER DETAIL 10 ON A002.
10. CONSTRUCT ACO SPORT SYSTEM 4000 IN-LINE CATCH BASIN.
11. CONSTRUCT SYNTHETIC TURF OVER DRAINAGE MAT PER ARCHITECTURAL PLANS.
12. FIELD COOLING SYSTEM VAULT PER 'E' ON SHEET C008.
13. REMOVE AND DISPOSE EXISTING DRAIN INLET. PLUG EXISTING STORM DRAIN ENDS.
14. REMOVE INTERFERE PORTION OF EXISTING 6" STORM-DRAIN LINE FOR INSTALLATION OF FIELD COOLING SYSTEM VAULT. PLUG EXISTING ENDS OF STORM DRAIN PIPE.
15. ABANDON IN PLACE EXISTING 6" STORM-DRAIN LINE.
16. REMOVE EXISTING GOAL POST & FOUNDATION AND INSTALL NEW GOAL POST AND FOUNDATION PER DETAILS ON A002.
17. SEE DETAIL 14 ON A002 FOR JOIN CONDITION.
18. REMOVE AND DISPOSE EXISTING ELECTRICAL VAULTS.
19. CONSTRUCT ELECTRICAL COMMUNICATION BOX.

TEMPORARY BENCHMARK (T.B.M.) BEING A PUNCH MARK ON THE EXISTING STORM DRAIN MANHOLE RIM. ELEVATION = 58.29'

LEGEND:
= NEW SYNTHETIC TURF OVER DRAINAGE MAT OVER 3" AC OVER 4" BASE (2)
53.5 = PROPOSED CONTOUR LINE
53 = EXISTING CONTOUR LINE
= FIELD COOLING VAULT

SCALE: 1" = 20'

SECTION A-A
NOT TO SCALE

SECTION B-B
NOT TO SCALE

NOTE: CONTRACTOR IS REQUIRED TO RESTORE ALL EXISTING IMPROVEMENTS TO THE SAME CONDITION, THAT ARE NOT PART OF THIS PROJECT, THAT EXISTED PRIOR TO HIS STARTING CONSTRUCTION.

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COMPTON FOOTBALL FIELD
1111 E. ARTESIA BLVD., COMPTON, CA 90221

PRECISE GRADING AND DRAINAGE PLAN

REVISIONS:

Date: 06/10/15
Job: 1529
Scale: 1" = 20'
Drawn: AU

C002

SHEET – OF
XREF:

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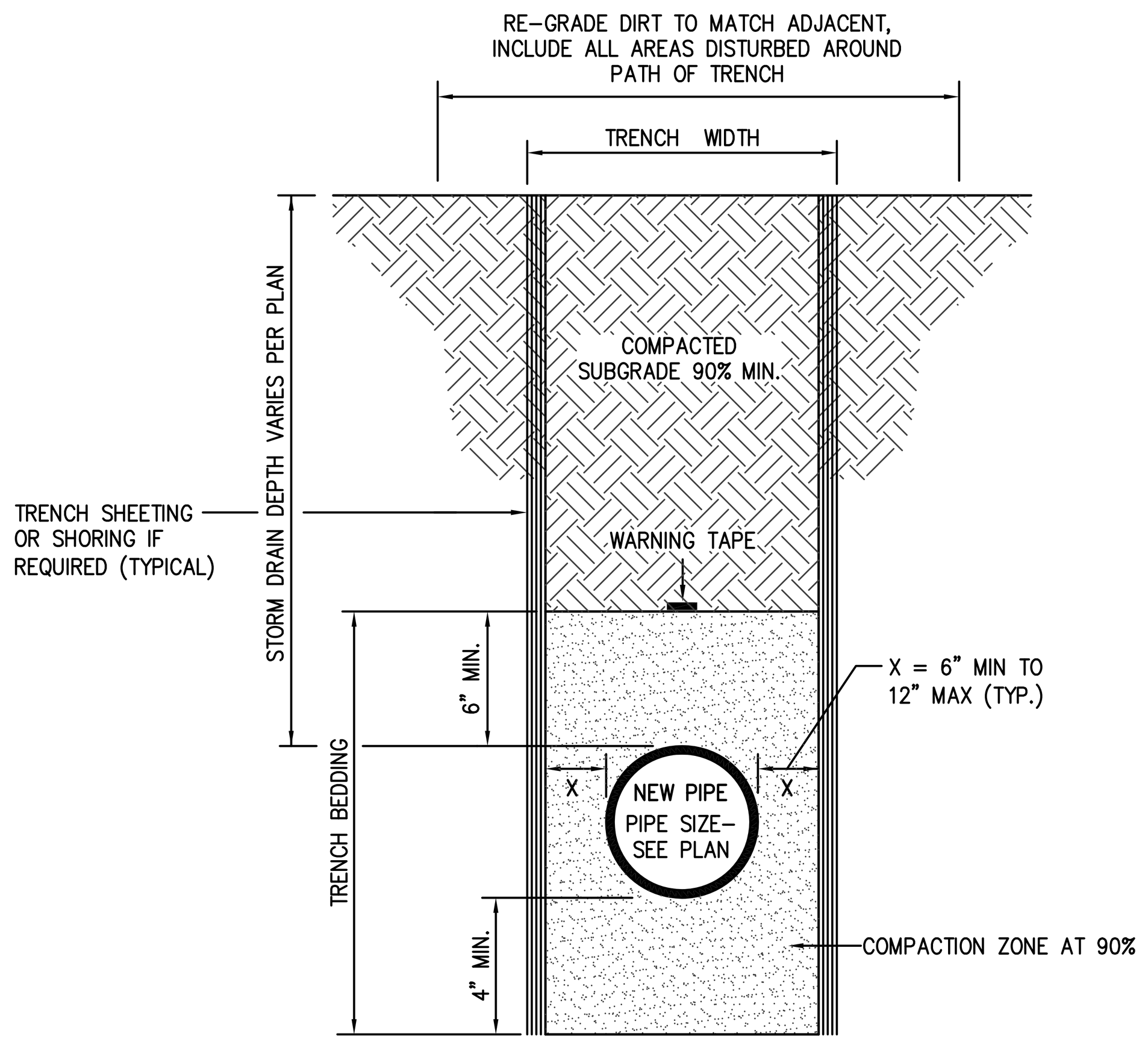
TRENCHING DETAILS FOR STORM DRAIN PIPE & WATER PIPE 4-INCHES AND OVER

EXCAVATION PROTECTION NOTE: TRENCHES MORE THAN 5 FEET DEEP MUST BE SHORED OR APPROPRIATELY SLOPED PER OSHA STANDARDS FOR THE CONSTRUCTION INDUSTRY, STANDARD #1926.652 "REQUIREMENTS FOR PROTECTIVE SYSTEMS".



EXISTING TURF AREAS

TRENCH EXCAVATION, BEDDING, & BACKFILL NOTES:

EXCAVATION NOTE: EXCAVATION 5.0 FEET AND DEEPER SHALL BE SUPPORTED AS SET FORTH IN THE RULES, ORDERS AND REGULATIONS OF THE CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF INDUSTRIAL ACCIDENTS. THE CONTRACTOR SHALL SUBMIT A DETAIL SHOWING THE DESIGN OR SHORING; BRACING SLOPING OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FROM THE HAZARDS OF CAVING GROUND DURING THE EXCAVATION. THE PLAN SUBMITTED SHALL BE SIGNED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER CERTIFIED THAT THE PLAN COMPLIES WITH ALL OSHA CONSTRUCTION SAFETY ORDERS.

BEDDING SHALL CONSIST OF COARSE SAND WITH SAND EQUIVALENT OF 35 OR GREATER. NO ANGULAR STONES OR PEA GRAVELS WILL BE ALLOWED IN PIPE BEDDING.

BEDDING & BACKFILL SHALL BE PLACED IN ACCORDANCE WITH SECTION 306-1.2.1 AND 306-1.3 OF THE "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (S.S.P.W.C.), 2009 EDITION" AND AS SUPPLEMENTED HEREIN. TRENCH BACKFILL SLURRY PER SECTION 201-1. EXISTING SITE SOILS, WHERE CONDITIONS DICTATE HEREIN, ARE CONSIDERED SUITABLE FOR BACKFILLING OF UTILITY TRENCHES PROVIDED THEY ARE FREE OF DEBRIS, PARTICLES GREATER THAN 4 INCHES IN MAXIMUM DIMENSION, ORGANIC MATTER OR OTHER DELETERIOUS MATERIALS. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO CONDUITS, PIPES, AND ANY APPURTENANCES. PER SECTION 306-1.2.1 OF S..S.P.W.C., IF SOFT, SPONGY, UNSTABLE OR OTHER UNSUITABLE MATERIAL IS ENCOUNTERED UPON WHICH THE BEDDING MATERIAL OR PIPE IS TO BE PLACED, THIS MATERIAL SHALL BE REMOVED TO A DEPTH ORDERED BY THE CIVIL ENGINEER AND REPLACED WITH BEDDING MATERIAL SUITABLY DENSIFIED.

COMPACTION METHODS: ALL BEDDING & BACKFILL COMPACTION SHALL BE BY HAND-OPERATED, PLATE-TYPE, VIBRATORY, OR OTHER SUITABLE HAND-TAMPERS IN AREAS NOT ACCESSIBLE TO LARGER ROLLERS OR COMPACTERS. EXTREME CARE SHALL BE TAKEN TO AVOID DAMAGE TO CONDUITS, PIPES, AND ANY APPURTENANCES. WATER DENSIFICATION BY INUNDATION OR JETTING SHALL NOT BE PERMITTED WITHOUT PRIOR WRITTEN APPROVAL FROM CIVIL ENGINEER.

SHEETING: WHEN EXCAVATION DEPTHS OR SOIL CONDITIONS REQUIRE SHORING OR USE OF A TRENCH BOX, THE BOTTOM OF THE SHORING OR TRENCH BOX SHOULD BE PLACED NO LOWER THEN THE TOP OF THE PIPE. THIS PREVENTS DISRUPTION OF THE BACKFILL ENVELOPE WHEN REMOVING THE SHORING OR TRENCH BOX. IF THIS PRACTICE CANNOT BE FOLLOWED, CONSIDERATION SHOULD BE GIVEN TO LEAVING THE SHORING IN PLACE.

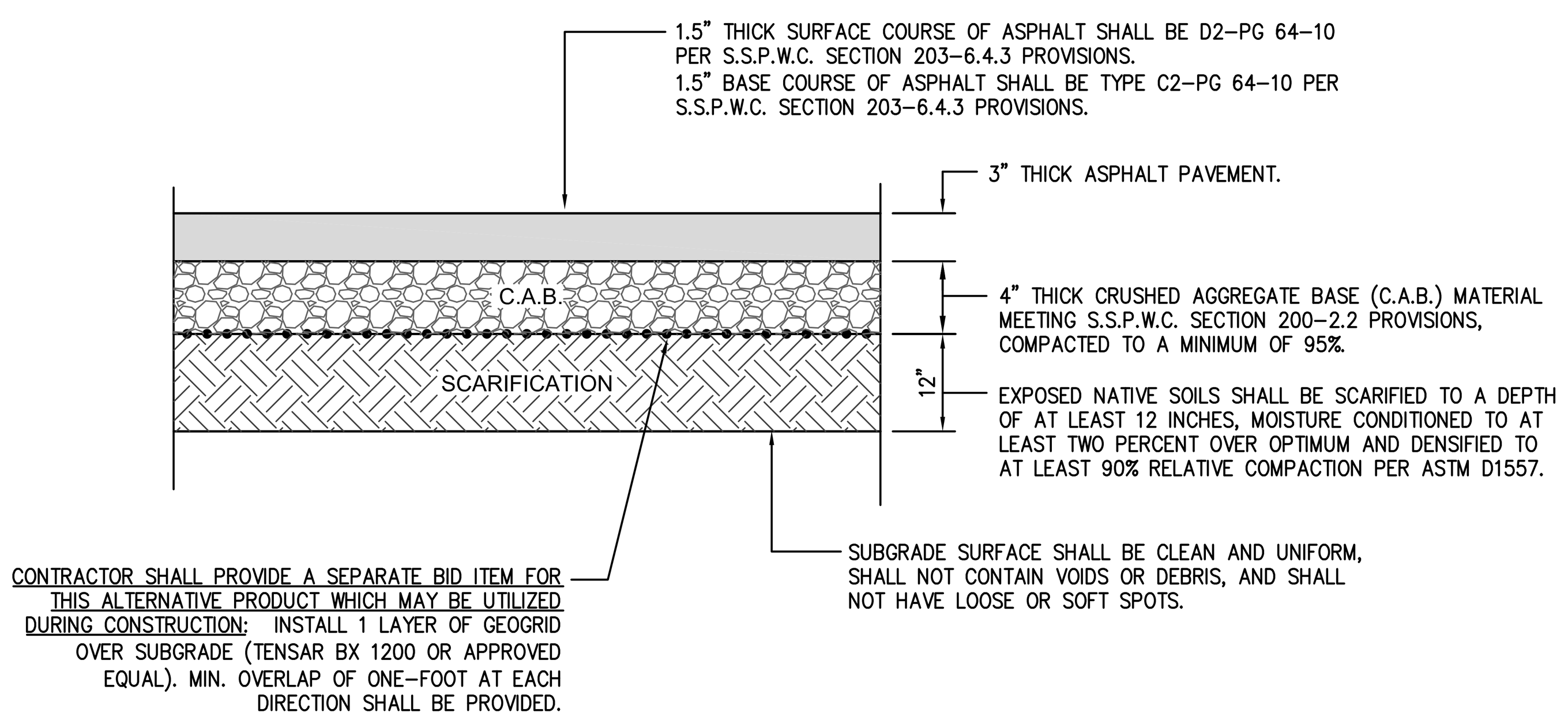
WARNING TAPE NOTES (STORM DRAIN):

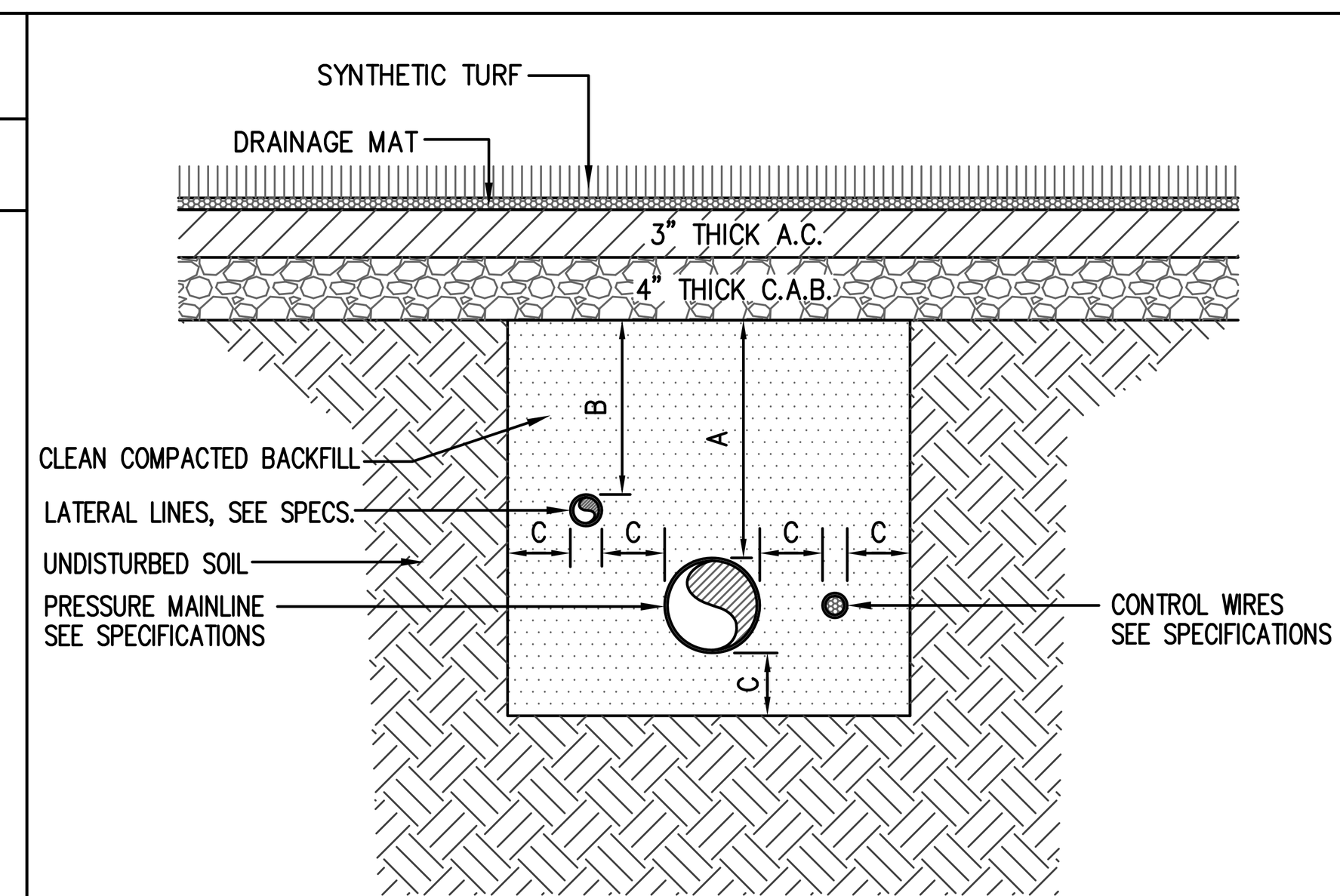
A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED STORM DRAIN LINE BELOW", IN POLYETHYLENE FILM COLOR GREEN, INSTALLED ABOVE PIPE, 6" WIDE.

WARNING TAPE NOTES (WATER PIPE):

A METALLIC LINED TAPED FOR UNDERGROUND PIPES, MARKED "CAUTION BURIED WATER LINE BELOW", IN POLYETHYLENE FILM COLOR BLUE, INSTALLED ABOVE PIPE, 6" WIDE.

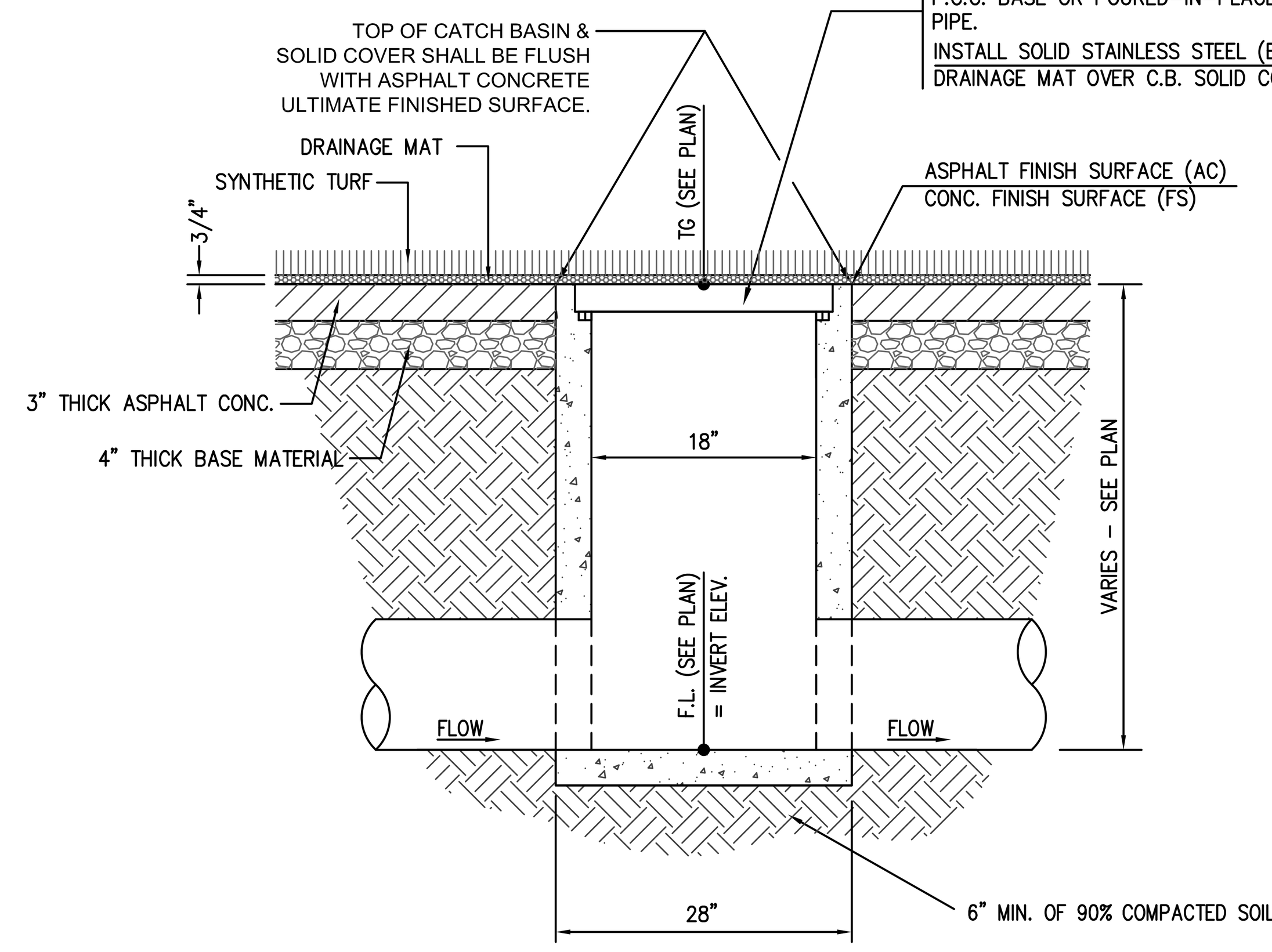
USAGE TYPE	TABLE 1 ASPHALT CONCRETE PAVEMENT STRUCTURAL SECTION
SYNTHETIC TURF	3" THICK A.C. OVER 4" THICK C.A.B. OVER 12" THICK SCARIFICATION PER DETAIL BELOW.





MINIMUM DIMENSION	A	B	C
1/2" TO 2-1/2" IN SIZE	18"	12"	4"
3" IN SIZE	24"	–	4"

FIELD COOLING SYSTEM PIPE TRENCH DETAIL



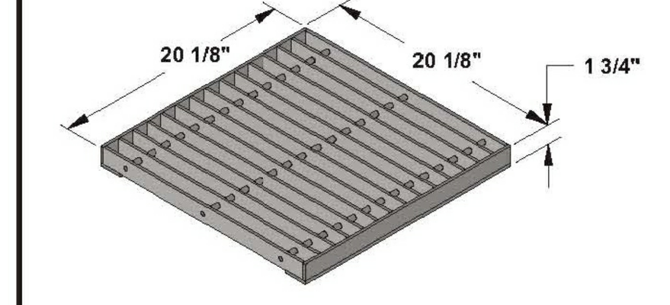
(3) 18" SQUARE CATCH BASIN DETAIL
NOT TO SCALE

1818 CAST IRON GRATE

PARKWAY ONLY 58 lbs.

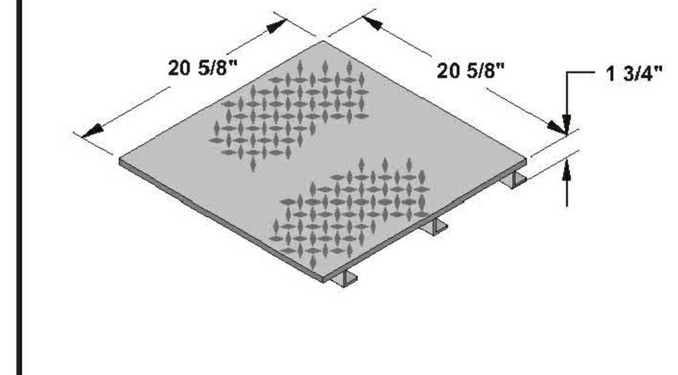
1818 STEEL GRATES

PARKWAY 27 lbs.
TRAFFIC. 49 lbs.



1818 STEEL COVER

PARKWAY 44 lbs.
TRAFFIC 65 lbs.

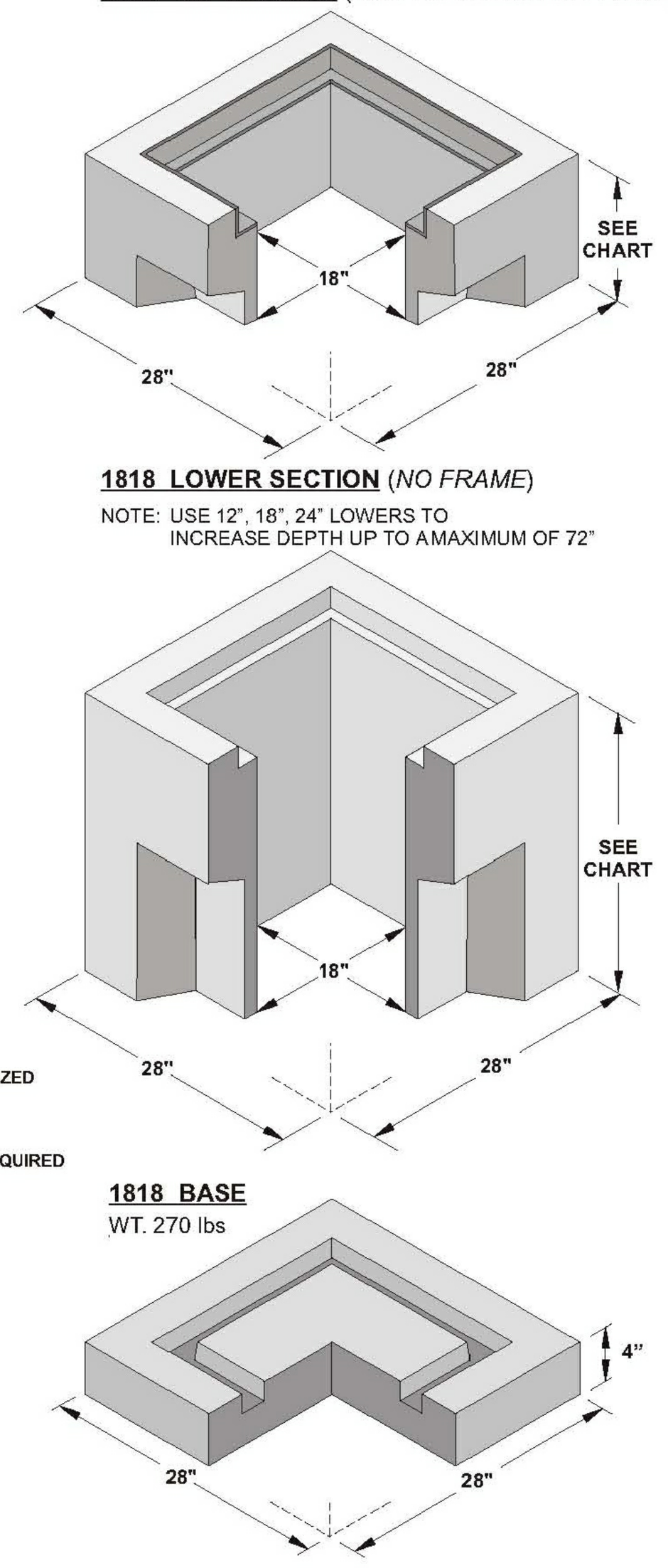


1818 TOP SECTION (*WITH GALVANIZED FRAME*)

1818 LOWER SECTION (*NO FRAME*)

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

1818 BASE
WT. 270 lbs



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

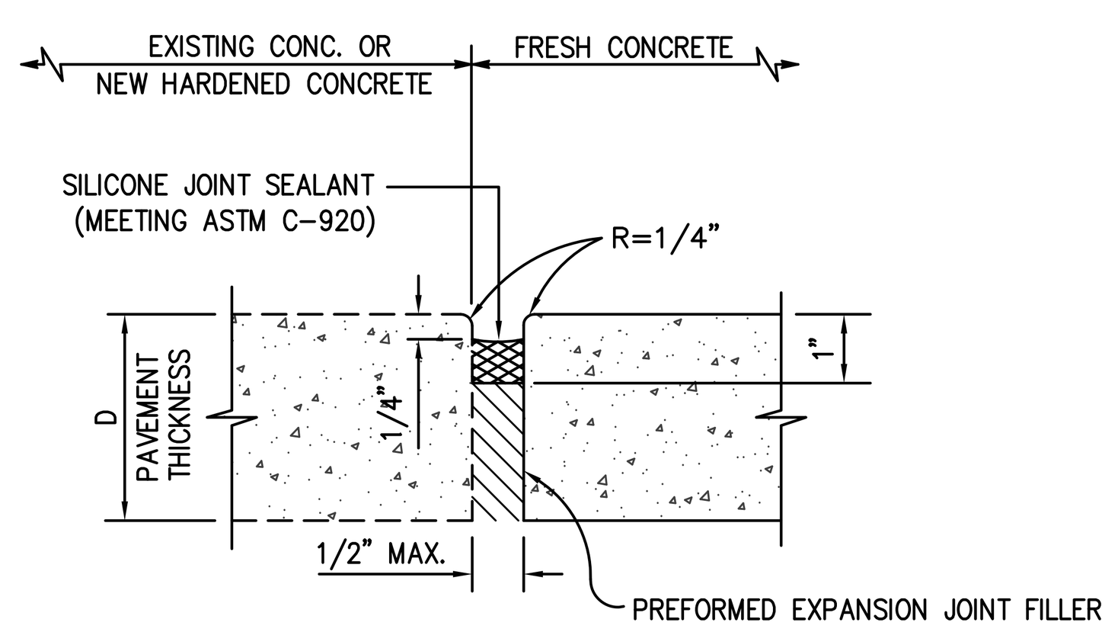
TOP SECTION	HT.	LBS	KNOCK-OUT
1818 T6	6"	215	NONE
1818 T12	12"	370	(4) 5" x 10"
1818 T18	18"	555	(4) 9" x 11"
1818 T24	24"	785	(4) 9" x 11"

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

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

18" x 18" CATCH BASIN
BROOKS PRODUCTS
1818 CB
ORG. DWG. DATE 04-20-95
REV. DWG. DATE 02-28-00

(3) 18" x 18" CATCH BASIN DETAIL
NOT TO SCALE



EXPANSION JOINT (E.J.) WITHOUT REBAR
NOT TO SCALE

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COMPTON COMMUNITY COLLEGE DISTRICT
COMPTON FOOTBALL FIELD
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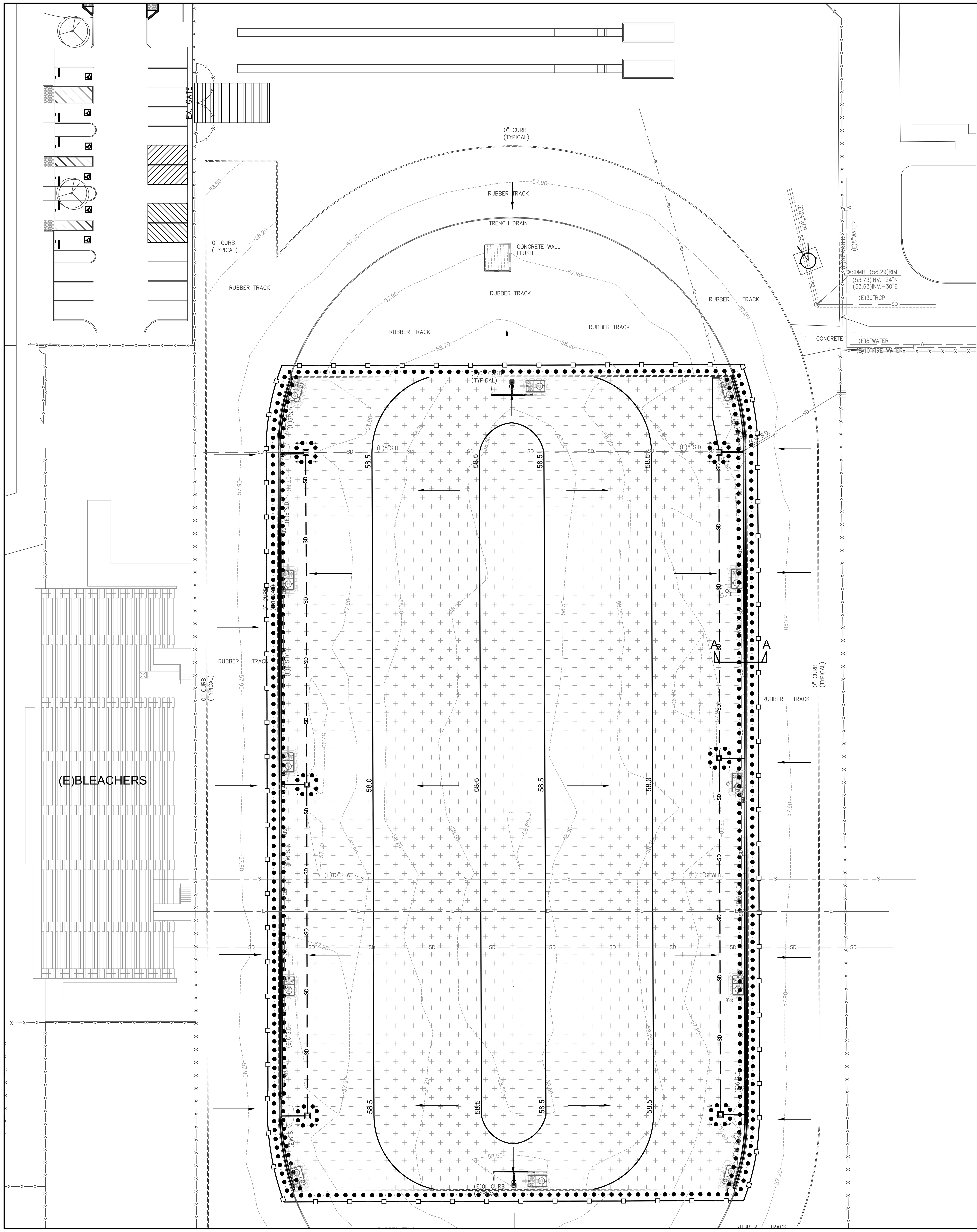
PRECISE GRADING AND DRAINAGE DETAILS

REVISIONS:

Date:	06/10/15
Job:	1529
Scale:	NONE
Drawn:	AU

C003

SHEET - OF
XREF:



LEGEND:

= NEW SYNTHETIC TURF

= TEMPORARY STABILIZED CONSTRUCTION ENTRANCE
DETAIL 'B' ON SHEET C005

= TEMPORARY MATERIAL STORAGE AREA
DETAIL 'C' ON SHEET C005

= TEMPORARY CONCRETE WASTE MANAGEMENT (WM) AREA
WM-8 DETAIL ON SHEET C005

= TEMPORARY FIBER ROLL PER CASQA BMP SE-5

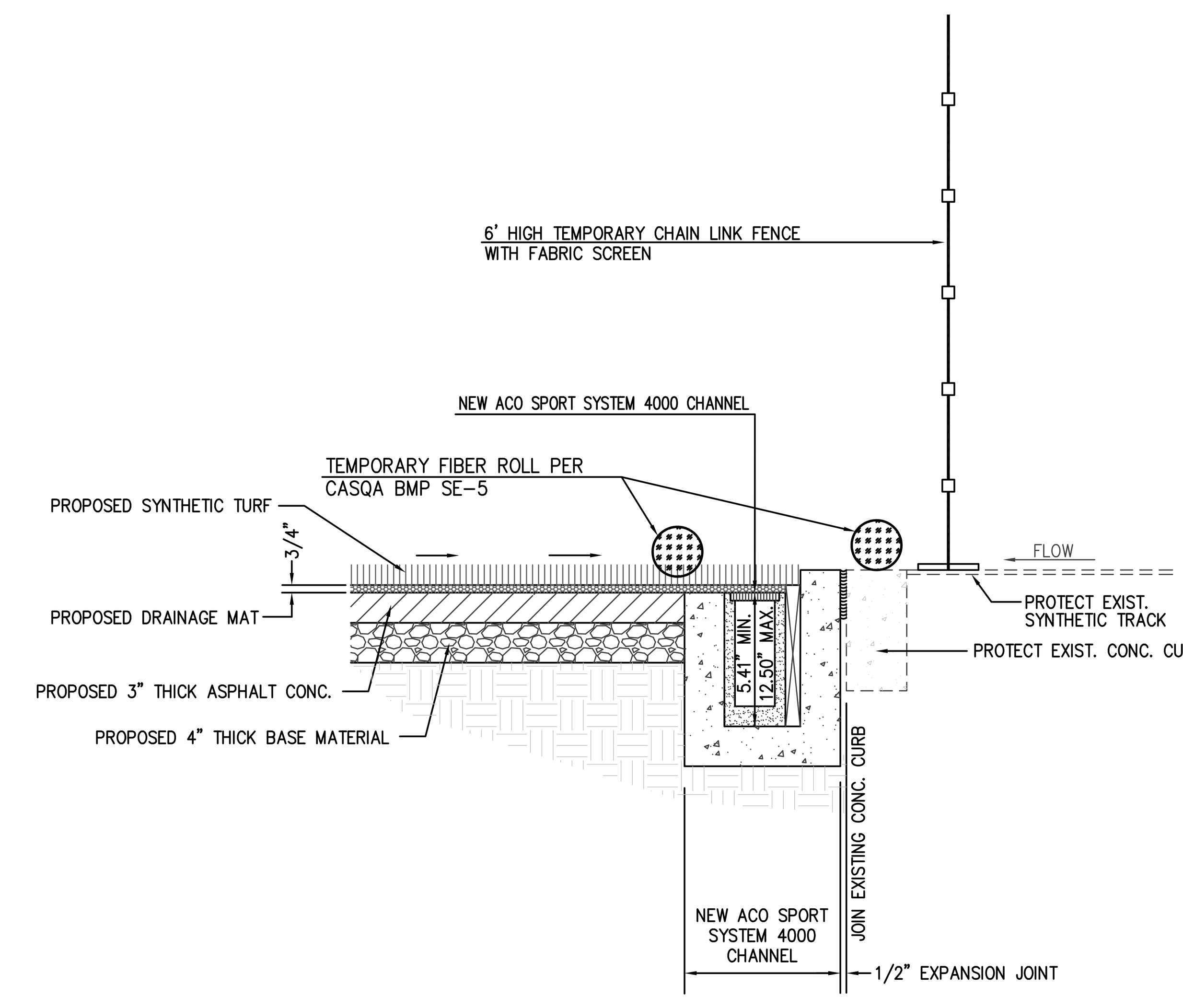
= TEMPORARY CHAIN LINK FENCE WITH FABRIC SCREEN

= DIRECTION OF SURFACE FLOW

53.5 = PROPOSED CONTOUR LINE

53 = EXISTING CONTOUR LINE

= FIELD COOLING VAULT



SECTION A-A

NOT TO SCALE

20 10 0 20 40 60

SCALE: 1" = 20'

PLAN PREPARED BY:

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LICENSED ARCHITECT DAVID M. BANNON NO. C-25904 EXP. JULY 31, 2015 STATE OF CALIFORNIA

Architect Seal

REGISTERED PROFESSIONAL ENGINEER ALAN WING-CHI LEE No. C 34971 Exp. 09-30-15 CIVIL STATE OF CALIFORNIA

Consultant Seal

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
OFFICE OF REGULATION SERVICES

FILE NO.:
APPL. NO.:
AC____ FLS____ SS ____
DATE____

COMPTON COMMUNITY COLLEGE DISTRICT
COMPTON FOOTBALL FIELD
1111 E. ARTESIA BLVD., COMPTON, CA 90221

WATER POLLUTION CONTROL PLAN

REVISIONS:

Date:	06/10/15
Job:	1529
Scale:	1" = 20'
Drawn:	AU

C004

SHEET - OF

XREF:

STORM WATER POLLUTION CONTROL NOTES:

1. APPROPRIATE BMP'S FOR CONSTRUCTION–RELATED MATERIALS, WASTE, SPILLS OR RESIDUES SHALL BE IMPLEMENTED AND RETAINED ON SITE TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND OR RUNOFF.
2. SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING STRUCTURAL CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE.
3. STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TACKING, OR WIND.
4. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN THE 5–DAY RAIN PROBABILITY FORECAST EXCEEDS 50%.
5. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITES UNLESS TREATED TO REDUCE OR REMOVE SEDIMENT AND OTHER POLLUTANTS.
6. ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
7. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN TRASH OR RECYCLE BINS.
8. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORMWATER ONLY WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY DO NOT: CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; CAUSE OR THREATEN TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 AND 302.
9. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS; ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND CONCRETE WASH WATER; CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING AND SUPERCHLORINATED POTABLE WATER LINE FLUSHING. DURING CONSTRUCTION, PERMITTEE SHALL DISPOSE OF SUCH MATERIALS IN A WASHOUT BIN OR SPECIFIED AND CONTROLLED TEMPORARY AREA ON–SITE PHYSICALLY SEPARATED FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
10. DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED. DEWATERING OF NON–CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
11. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
12. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
13. THE CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS IN ACCORDANCE WITH THE APPROVED PLANS.
14. THE GENERAL CONTRACTOR SHALL NOTIFY ALL SUBCONTRACTORS & MATERIAL SUPPLIERS: THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS PROHIBITED.
15. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
16. THE CONSTRUCTION GENERAL PERMIT REQUIRES ROUTINE WEEKLY INSPECTIONS OF ALL BMPs AND DAILY INSPECTION DURING RAIN EVENTS TO ENSURE THAT ALL BMPs ARE IMPLEMENTED AND MAINTAINED ACCORDING TO THE SWPPP. IN ADDTION, BMP INSPECTIONS AND MAINTENANCE SHALL BE PERFORMED 72 HOURS PRIOR TO A FORECASTED STORM EVENT. THE DEFINITION OF A FORECASTED STORM EVENT IS NOTED IN PRIOR NOTE 16.

THE FOLLOWING BMPs AS OUTLINED IN, BUT NOT LIMITED TO, THE STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK, CONSTRUCTION, CALIFORNIA STORMWATER QUALITY ASSOCIATION, LATEST EDITION, MAY APPLY DURING CONSTRUCTION (ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY INSPECTOR):

NON-STORMWATER MANAGEMENT & MATERIAL MANAGEMENT BMPs

NS–1 – WATER CONSERVATION PRACTICES
NS–2 – DEWATERING OPERATIONS
NS–3 – PAVING AND GRINDING OPERATIONS
NS–6 – ILLICIT CONNECTION/DISCHARGE
NS–7 – POTABLE WATER/IRRIGATION
NS–8 – VEHICLE AND EQUIPMENT CLEANING
NS–10 – VEHICLE AND EQUIPMENT MAINTENANCE
NS–12 – CONCRETE CURING
NS–13 – CONCRETE FINISHING
NS–14 – MATERIAL AND EQUIPMENT USE
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–7 – CONTAMINATED SOIL MANAGEMENT
WM–8 – CONCRETE WASTE MANAGEMENT
WM–9 – SANITARY/SEPTIC WASTE MANAGEMENT
WM–10 – LIQUID WASTE MANAGEMENT

EROSION & SEDIMENTAL CONTROL BMPs

EC–1 – SCHEDULING
EC–2 – PRESERVATION OF EXISTING VEGETATION
EC–7 – GEOTEXTILES & MATS
EC–9 – EARTH DIKES AND DRAINAGE SWALES
EC–11 – SLOPE DRAINS
SE–1 – SILT FENCE
SE–2 – SEDIMENT BASIN
SE–3 – SEDIMENT TRAP
SE–4 – CHECK DAM
SE–5 – FIBER ROLLS
SE–6 – GRAVEL BAG BERM
SE–7 – STREET SWEEPING AND VACUUMING
SE–8 – SANDBAG BARRIER
SE–9 – STRAW BALE BARRIER
SE–10 – STORM DRAIN INLET PROTECTION
WE–1 – WIND EROSION CONTROL
TC–1 – STABILIZED CONSTRUCTION ENTRANCE/EXIT
TC–2 – STABILIZED CONSTRUCTION ROADWAY
TC–3 – ENTRANCE/OUTLET TIRE WASH

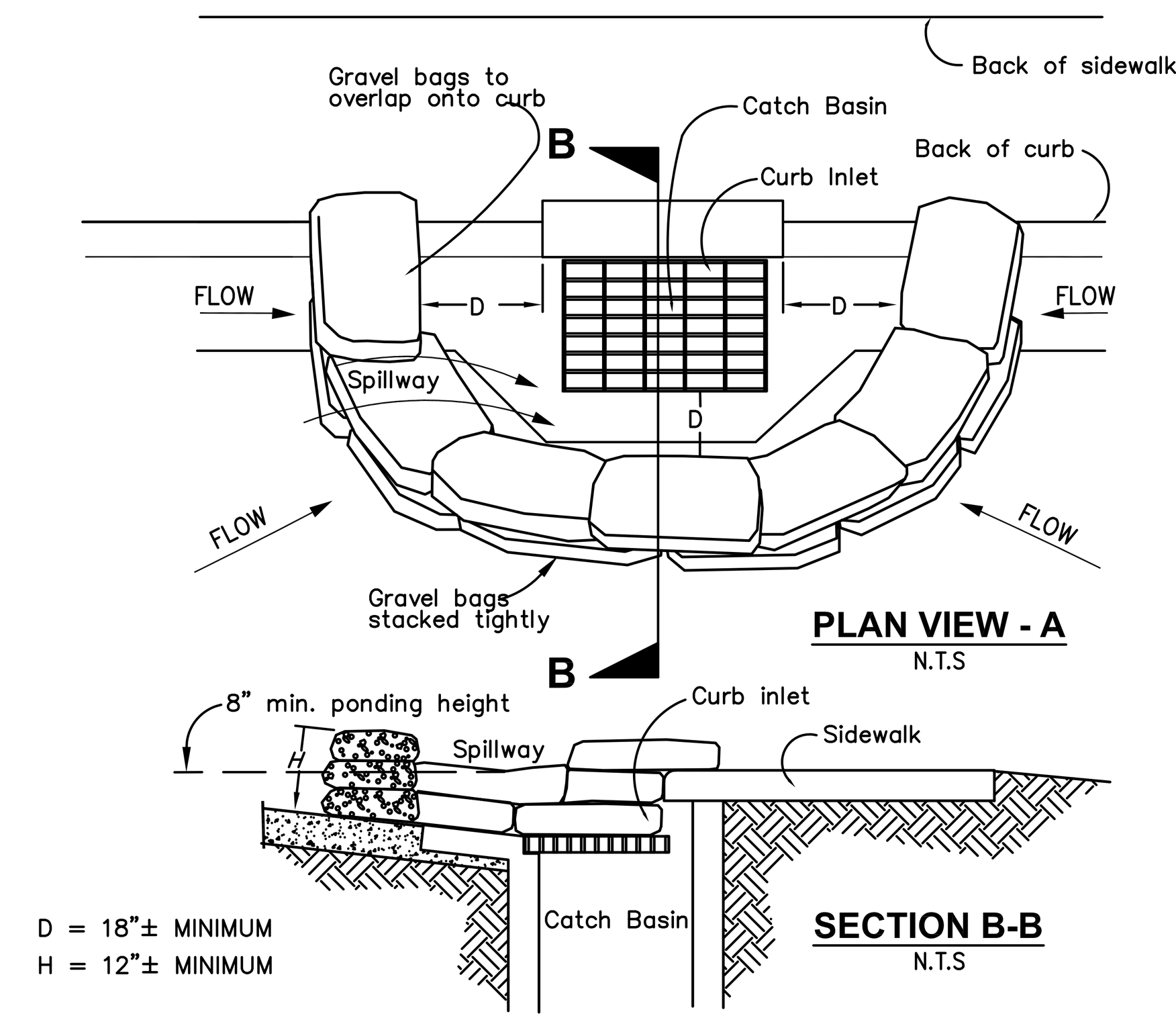
EROSION AND SEDIMENT CONTROL - SEDIMENTS FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE, AND STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.

WASTE AND MATERIALS MANAGEMENT CONTROL - APPROPRIATE BMP'S FOR CONSTRUCTION-RELATED MATERIALS, WASTE, SPILLS OR RESIDUES SHALL BE IMPLEMENTED AND RETAINED ON SITE TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND OR RUNOFF.

Detail A

Catch Basin / Drain Inlet Protection

NTS



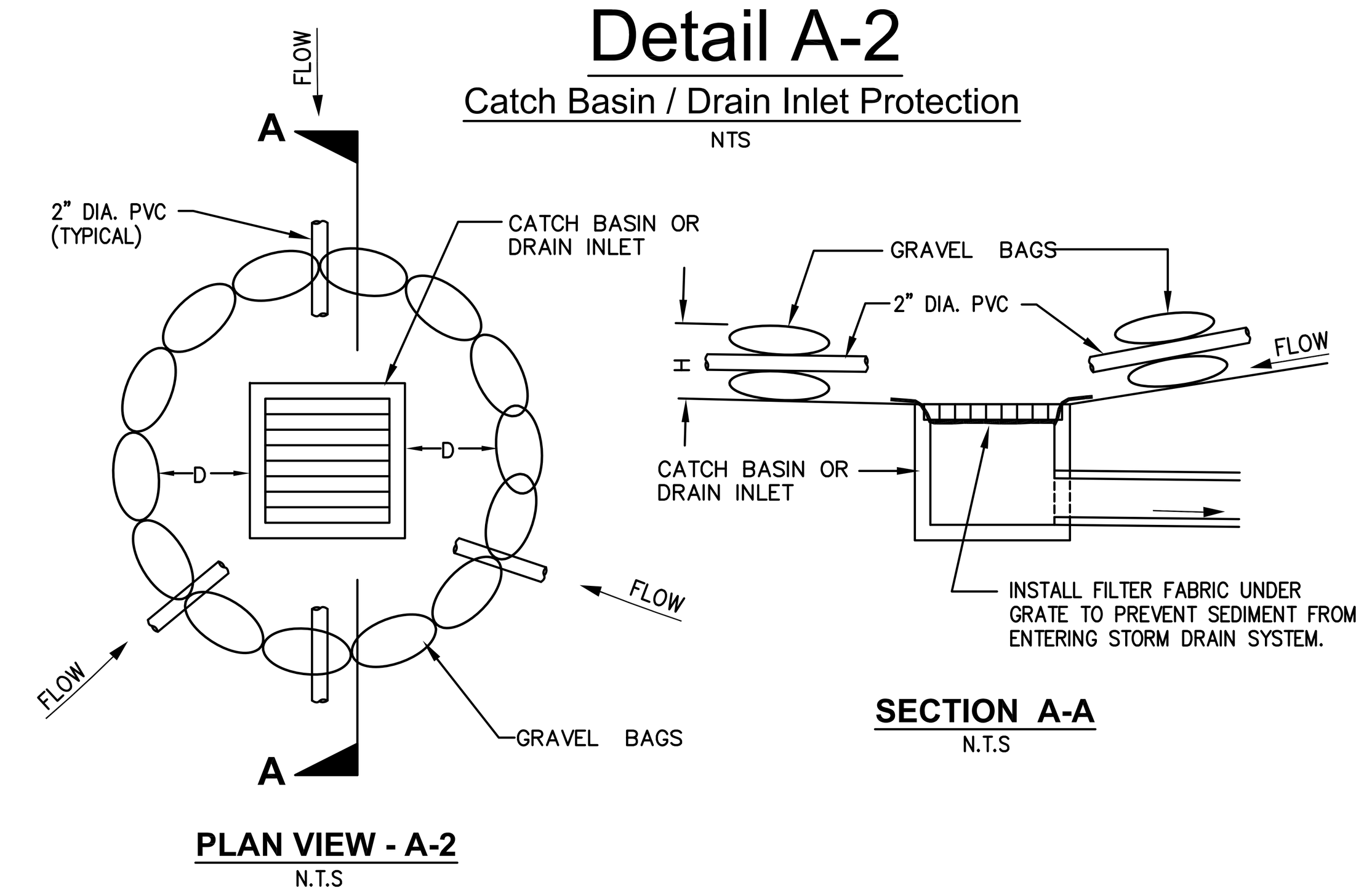
Notes:

1. Catch Basin/Inlet protection shall be installed wherever there is a potential of stormwater or non–stormwater being discharged into it.
2. Inlet protection is required along with other pollution prevention measures such as; erosion control, soil stabilization, and measures to prevent tracking onto paved surfaces. Modify inlet protection as needed to avoid creating traffic hazards.
3. Include inlet protection measures at hillside v–ditches and misc. drainage swales.
4. Inlet protection shall be inspected and accumulated sediments removed. Sediment shall be disposed of properly and in a manner that assures that the sediment does not enter the storm drain system
5. Damaged bags shall be replaced immediately.
6. Additional gravel bag sediment traps shall be placed at intervals as indicated on site plan.

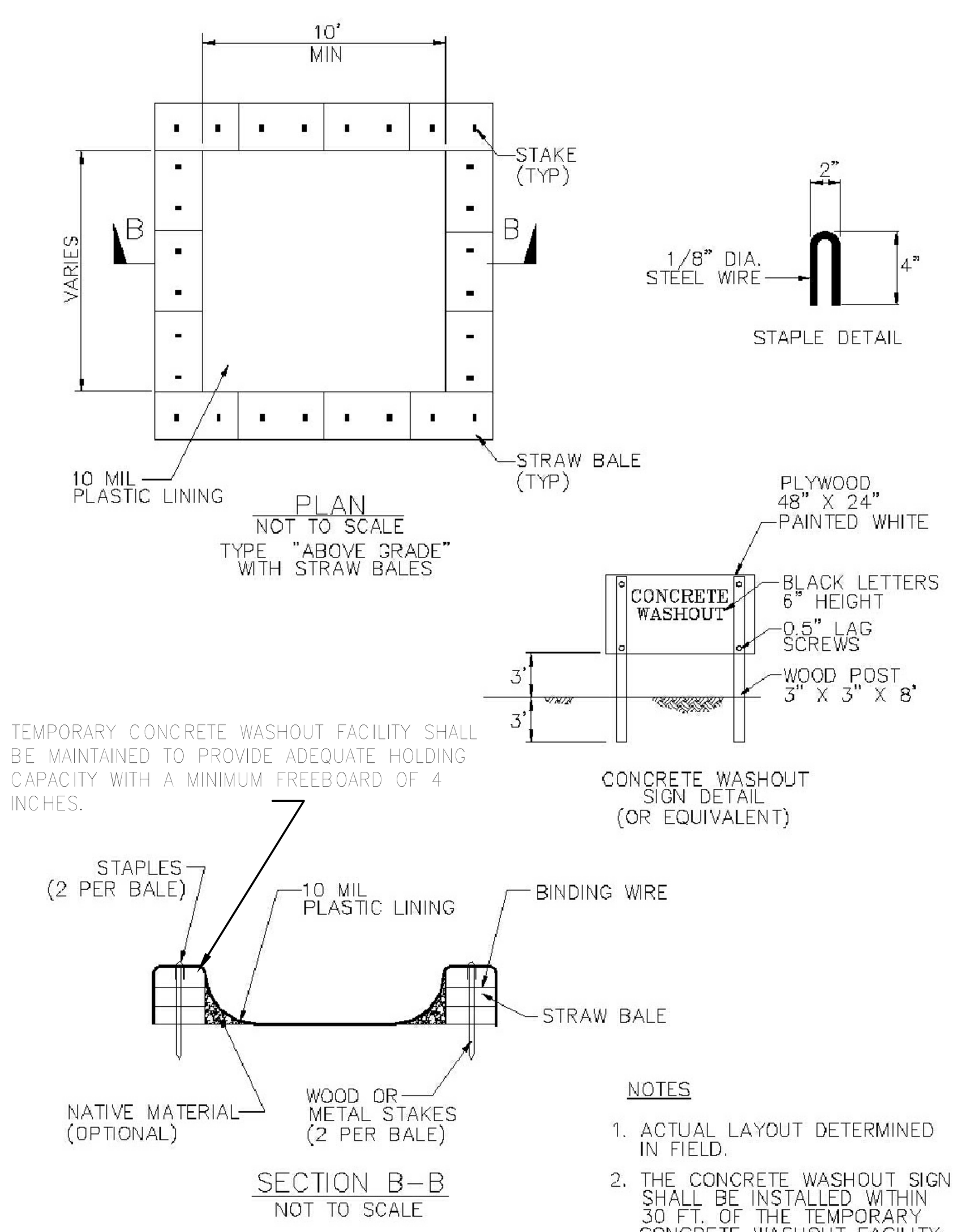
Detail A-2

Catch Basin / Drain Inlet Protection

NTS



Concrete Waste Management WM-8



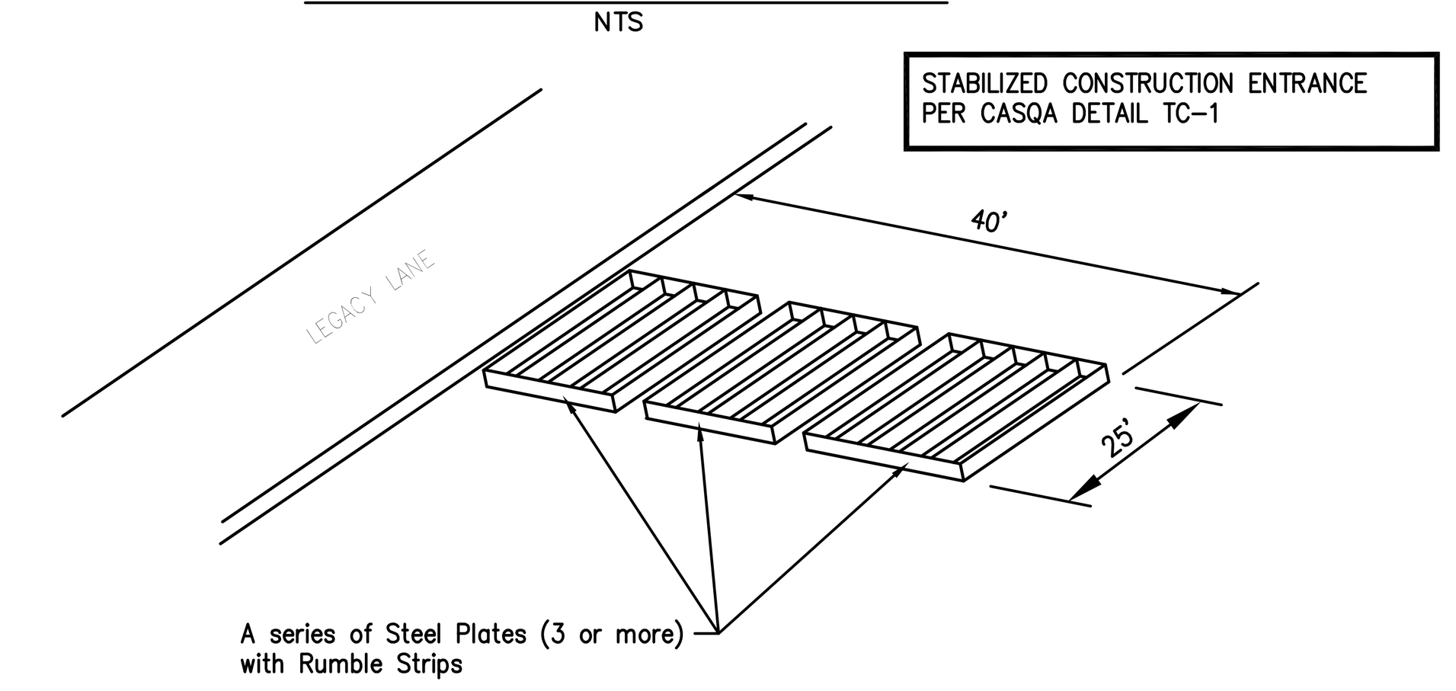
NOTES

1. ACTUAL LAYOUT DETERMINED IN FIELD.
2. THE CONCRETE WASHOUT SIGN SHALL BE INSTALLED WITHIN 30 FT. OF THE TEMPORARY CONCRETE WASHOUT FACILITY.

Detail B

Stabilized Construction Entrance

NTS



Notes:

1. Sediments and other materials shall not be tracked from the site by vehicle traffic. The construction entrance roadways shall be stabilized so as to prevent sediments from being deposited into the public roads. Depositions must be swept up immediately and may not be washed down by rain or other means into the storm drain system.
2. Stabilized construction entrance shall be:
   a. *Located at any point where traffic will be entering or leaving a construction site to or from a public right of way, street, alley, and sidewalk or parking area.*
   b. *A series of steel plates with "rumble strips", and/or min 4" coarse aggregate with length, width & thickness as needed to adequately prevent any tracking onto paved surfaces.*
3. Adding a wash rack with a sediment trap large enough to collect all wash water can greatly improve efficiency.
4. All vehicles accessing the construction site shall utilize the stabilized construction entrance sites.

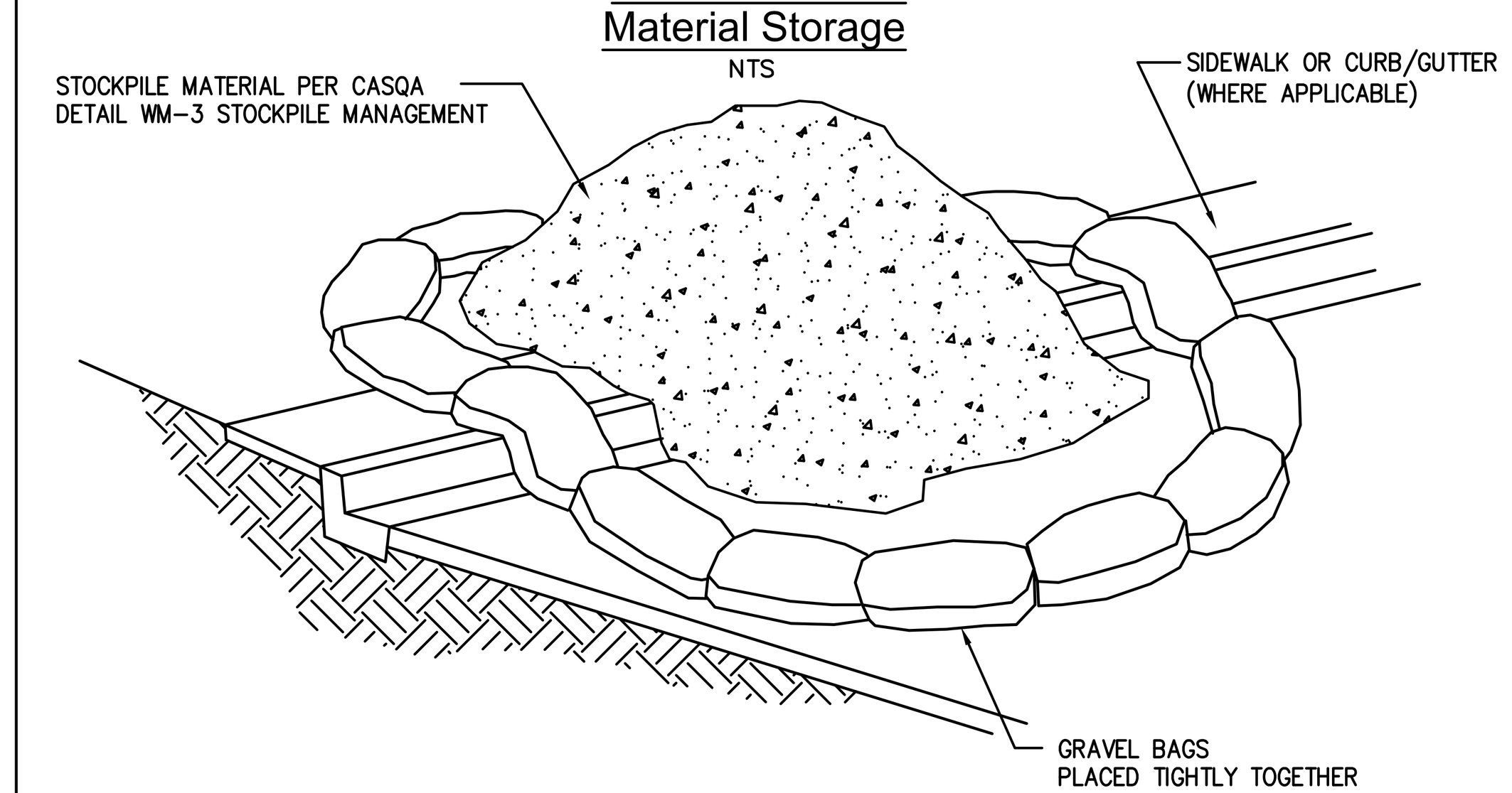
Street Maintenance

1. Remove all sediment deposited on paved roadways immediately.
2. Sweep paved areas that receive construction traffic whenever sediment becomes visible.
3. Pavement washing with water is prohibited if it results in a discharge to the storm drain system.

Detail C

Material Storage

NTS



Notes:

1. Dirt and other construction related materials placed in the street or on other impervious surfaces must be contained with sandbags or other measures to prevent transport to the stormdrain system.
   Any construction material stored or stockpiled on–site shall be protected from being transported by the force of wind or water. Cover material with plastic sheets (min. 10 mil.) with gravel bags for anchoring.

NPDES STORM WATER CONSTRUCTION GENERAL PERMIT 2009-0009-DWQ (AS AMENDED BY 2010-0014-DWQ & 2012-006-DWQ):
BEFORE CONSTRUCTION ACTIVITY CAN COMMENCE A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) MUST BE IN PLACE AT THE CONSTRUCTION SITE AND A WASTE DISCHARGE IDENTIFICATION NUMBER (WDID #) OBTAINED FROM THE STATE WATER BOARD. THE OWNER IS RESPONSIBLE FOR THE PREPARATION OF AND ALL REVISIONS TO THE SWPPP, INCLUDING ANY CHANGE OF INFORMATION REQUIRED BY THE GENERAL PERMIT. THE GENERAL CONTRACTOR IS RESPONSIBLE TO PAY FOR ALL ANNUAL FEES. CONTRACTOR IS ALSO RESPONSIBLE FOR THE IMPLEMENTATION OF THE SWPPP BY UTILIZING A QUALIFIED SWPPP PRACTITIONER (QSP) AS DEFINED IN THE CONSTRUCTION GENERAL PERMIT. THIS INCLUDES MAINTENANCE OF EROSION AND SEDIMENT CONTROL DURING THE LIFE OF THE PROJECT AND SUBMITTAL OF THE ANNUAL REPORTS. THE GENERAL CONTRACTOR SHALL COORDINATE WITH THE OWNER TO PROVIDE ALL APPLICABLE INFORMATION REQUESTED BY THE OWNER TO COMPLETE THE SWPPP.

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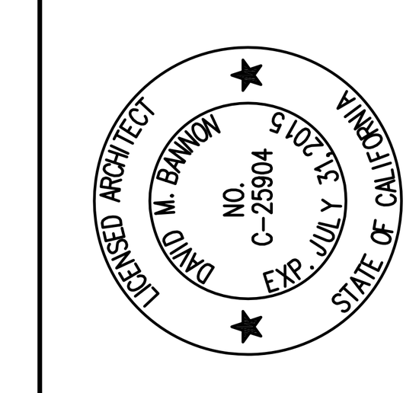
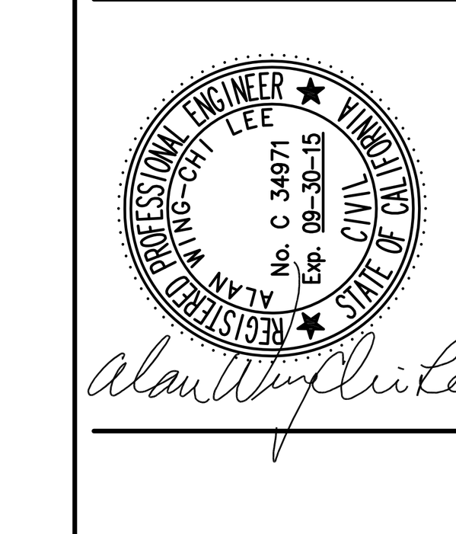
Architect Seal



Consultant Seal



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DATE___

COMPTON COMMUNITY COLLEGE DISTRICT
COMPTON FOOTBALL FIELD
1111 E. ARTESIA BLVD., COMPTON, CA 90221

WATER POLLUTION CONTROL DETAILS

REVISIONS:

Date:	06/10/15
Job:	1529
Scale:	NONE
Drawn:	AU

PLAN PREPARED BY:
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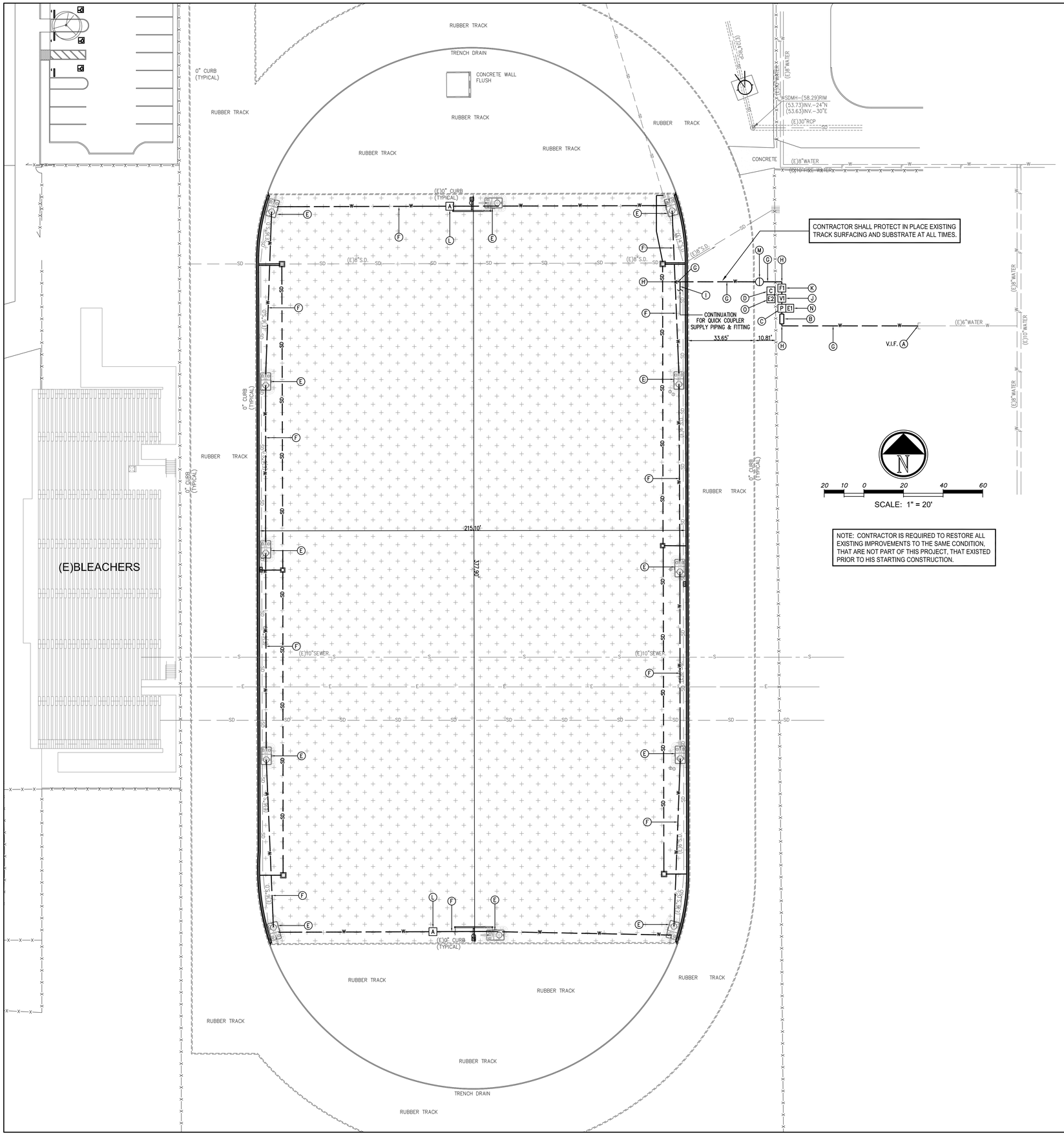
C005

SHEET – OF
XREF:



20 10 0 20 40 60

SCALE: 1" = 20'

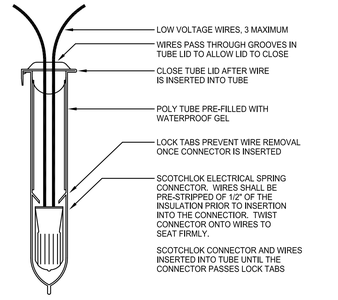
NOTE: CONTRACTOR IS REQUIRED TO RESTORE ALL EXISTING IMPROVEMENTS TO THE SAME CONDITION, THAT ARE NOT PART OF THIS PROJECT, THAT EXISTED PRIOR TO HIS STARTING CONSTRUCTION.

CONSTRUCTION NOTES:

- (A) CONNECT NEW 4" WATERLINE TO EXISTING 6" WATERLINE WITH APPROPRIATE FITTINGS AND A REDUCER.
- (B) CONSTRUCT 4" REDUCED PRESSURE PRINCIPLE ASSEMBLY PER DETAIL 'B' ON SHEET C007.
- (C) CONSTRUCT BOOSTER PUMP ASSEMBY PER DETAIL 5 ON SHEET C007.
- (D) CONSTRUCT CONTROLLER ASSEMBLY PER DETAIL 'D' ON SHEET C007.
- (E) CONSTRUCT FIELD COOLING SYSTEM, HUNTER MODEL STK-6V, PER DETAIL 'E' ON SHEET C008.
- (F) CONSTRUCT 3" CLASS 315 (SDR 13.5) PVC PRESSURE PIPE. SEE FIELD COOLING TRENCH DETAIL ON SHEET C003.
- (G) CONSTRUCT 4" C-900 CLASS 235 (DR 18) PVC PRESSURE PIPE. SEE WATER PIPE TRENCH DETAIL FOR LINES 4-INCHES AND OVER ON SHEET C003.
- (H) CONSTRUCT CONCRETE THRUST BLOCK PER DETAIL 'H' ON SHEET C007.
- (I) CONSTRUCT 1" SCH. 80 PVC WATER PIPE. SEE FIELD COOLING TRENCH DETAIL ON SHEET C003.
- (J) CONSTRUCT 3" MASTER CONTROL VALVE PER DETAIL 'J' ON SHEET C008.
- (K) CONSTRUCT 3" FLOW SENSOR PER DETAIL 'K' ON SHEET C008.
- (L) CONSTRUCT MAINLINE AIR RELEASE VALVE PER DETAIL 'L' ON SHEET C008.
- (M) CONSTRUCT ISOLATION GATE VALVE PER DETAIL 'M' ON SHEET C008.
- (N) HIGH VOLTAGE POWER (E1) FOR BOOSTER PUMP SYSTEM PER ELECTRICAL PLAN.
- (O) LOW VOLTAGE POWER (E2) PER ELECTRICAL PLAN.

LEGEND:

- = NEW SYNTHETIC TURF
- A = MAINLINE AIR RELEASE VALVE
- C = JOHN DEERE GREEN TECH CONTROLLER
- E1 = HIGH VOLT-3 PHASE POWER PER ELECTRICAL PLANS.
- E2 = LOW VOLT POWER PER ELECTRICAL PLANS.
- F1 = FLOW SENSOR
- P = BOOSTER PUMP
- V1 = MASTER CONTROLLER VALVE
- = ISOLATION GATE VALVE
- = FIELD COOLING VAULT



NOTE:
WIRE CONNECTOR SHALL BE A 3M DBR/Y-6 DIRECT BURY SPLICE KIT (U.L. APPROVED).

KIT SHALL INCLUDE A SCOTCHLOK Y SPRING CONNECTOR, A POLYPROPYLENE TUBE AND A WATERPROOF SEALING GEL. TUBE SHALL BE SUPPLIED PRE-FILLED WITH GEL.

WATERPROOF WIRE CONNECTION DETAIL
NOT TO SCALE

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COMPTON COMMUNITY COLLEGE DISTRICT
COMPTON FOOTBALL FIELD
1111 E. ARTESIA BLVD., COMPTON, CA 90221

FIELD COOLING SYSTEM PLAN

REVISIONS:

Date: 06/10/15
Job: 1529
Scale: 1" = 20'
Drawn: AU

C006

SHEET – OF
XREF:

PLAN PREPARED BY:
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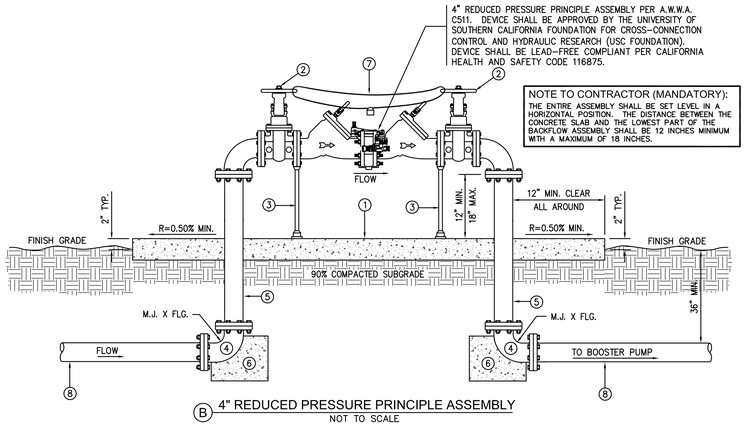

B 4" REDUCED PRESSURE PRINCIPLE ASSEMBLY
NOT TO SCALE

REDUCED PRESSURE PRINCIPLE ASSEMBLY CONSTRUCTION NOTES:

1. 4" THICK CONCRETE SLAB, CONCRETE CLASS 520-C-2500.
2. 4" NON-RISING STEM GATE VALVE.
3. ADJUSTABLE PIPE SUPPORT, GRINNELL MODEL 4000 OR APPROVED. INSTALL BASE PLATE ON LEVELING COURSE OF HIGH STRENGTH EPOXY CEMENT COMPOUND. PIPE SUPPORTS SHALL BE PAINTED AND COATED TO MATCH BACKFLOW PREVENTER. ALL THREADED AREAS SHALL BE COATED WITH "NEVER-SEIZE" OR OTHER EQUIVALENT ANTI-RUST LUBRICANT. (PARTS TO BE STAINLESS STEEL OR HOT DIPPED GALVANIZED AFTER FABRICATION)
4. 4" CLASS 235, 90° DUCTILE IRON BEND, CEMENT LINED.
5. 4" X FIELD LENGTH DUCTILE IRON SPOOL, FLG. X FLG.
6. CONSTRUCT CONCRETE THRUST BLOCK PER DETAILS HEREON.
7. CONTRACTOR TO SUPPLY HOT DIPPED GALVANIZED CHAIN AND LOCK, LOCK HANDWHEEL ON N.R.S. VALVES IN THE OPEN POSITION, PADLOCK SHALL BE BREAKAWAY TYPE.
8. 4" A.W.W.A. C-900 CL-235 P.V.C. PRESSURE PIPE.

NOTES TO CONTRACTOR:

1. CONTRACTOR TO VERIFY CONDITION OF CONNECTION POINTS PRIOR TO CONSTRUCTION AND REPORT ALL DISCREPANCIES TO DESIGN ENGINEER.
2. ALL BOLTS SHALL BE STAINLESS STEEL TYPE 316 PER ASTM F593 GRADE G OR H AND NUTS AND WASHERS SHALL BE STAINLESS STEEL TYPE 316 PER ASTM F594 GRADE G OR H.
3. ALL GASKETS SHALL BE NITRILE OR STYRENE BUTADIENE GASKETS.
4. ALL NEWLY INSTALLED BACKFLOW PREVENTION ASSEMBLIES MUST BE TESTED IN ACCORDANCE WITH APPLICABLE REGULATIONS PRIOR TO BEING PUT IN SERVICE. COPIES OF TEST RESULTS SHALL BE SUBMITTED TO LONG BEACH WATER DISTRICT PRIOR TO ACTIVATION.
5. PAINT ABOVE GROUND PIPING AND VALVES WITH ONE COAT OF BLUE OXIDE PRIMER AND TWO COATS OF HIGH VISIBILITY EPOXY BLUE ENAMEL.
6. DEVICES SHALL BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS.
7. MAINTAIN 3' WIDE CLEARANCE AREA AROUND ENTIRE DEVICE FOR MAINTENANCE.

JOHN DEERE GREEN TECH

3 Chrysler, Unit 100
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GREEN TECH PUMP ASSEMBLY - Variable Frequency Drive Booster Pumping System

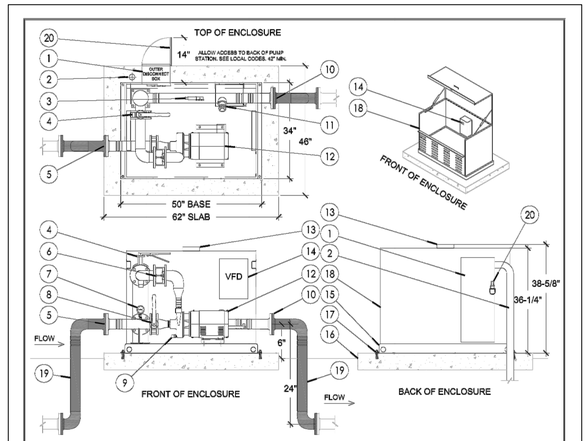
Date:	June 9, 2015	**Station Model:**	**PA25-15022-39N-463**
Quotation #:	RMG15022	**Station Performance:**	220 GPM @ 80 PSI Boost
Project Name:	Compton Community College District	**Dynamic Inlet PSI:**	45 PSI
Location:	Compton, CA	**Power Requirement:**	460 volt, 3 phase, 60 hertz.
Quoted By:	Ryan Griffin	**Horsepower:**	15 HP (3600rpm)
Sales Email:	rgriffin@johndeeregreentech.com	**FLA/Disconnect:**	32A

Project Scope: Prefabricated, self-contained enclosed Variable speed (VFD) **15 HP** horizontal centrifugal pump station with piping and valves painted (**green**). Controls will be an operator interface with software programming written specifically for this project. A formed and reinforced base platform and enclosure with lockable lid contains all manifolding, pumps, motors and control panels (disconnect mounted externally) to provide an integral unit ready for easy installation, anchored to a concrete pad.

STANDARD CONTROLS & EQUIPMENT INCLUDE:

- External mounted NEMA 4 service rated main disconnect panel
- U.L listed control panel
- Multi-line operator interface display featuring:
  - Flow readout
  - Pressure readout
  - Flow totalizer
  - Elapsed run time display
- Alarm conditions with safety shutdown:
  - Low discharge pressure shutdown
  - High discharge pressure shutdown
  - VFD fault shutdown
  - High pump temperature shutdown
- Overload, single phase, phase imbalance/low voltage protection
- Surge protection for main station and solid state controls
- Variable Frequency Drive pressure regulation
- **24 VAC relay start (1 controller) or Pressure Start**
- Hand/off/auto selector switch
- Stainless steel pressure transducer
- Data Industrial 220B flow sensor mounted inside enclosure
- **1**5 HP, 3600 RPM horizontal centrifugal pump and ODP motor. Pump to be cast iron with a bronze impeller and mechanical seal.
- Silicone filled pressure gauges with isolation valve on suction and discharge piping
- Station discharge isolation valve
- **4" FL x 4" FL fabricated steel inlet drop pipe with swivel connection (Qty. 2, inlet and discharge)**
- **Forced fan air cooled ventilated marine grade aluminum pump station enclosure and stainless steel base, un-painted, with lockable access cover**
- **Lockable dead front external disconnect panel**
- Baked and cured two part polyurethane ultraviolet insensitive paint
- Factory certified dynamic run testing of pump station up to full flow and pressure prior to shipment
- One operator and maintenance manual
- One year limited warranty on mechanical and electrical components
- Access to John Deere Green Tech customer service technical phone support, technicians on call 24/7
- Access to John Deere Green Tech factory authorized service technician

5 GREEN TECH BOOSTER PUMP ASSEMBLY DETAIL
NOT TO SCALE



1 ELECTRICAL POWER DISCONNECT BOX
2 ELECTRICAL CONDUIT PENETRATION
3 PRESSURE TRANSDUCER WITH GAUGE
4 PUMP DISCHARGE ISOLATION VALVE
5 FLANGE INLET CONNECTION
6 CHECK VALVE
7 PSI/VAC GAUGE LIQUID FILLED
8 PUMP INTAKE ISOLATION VALVE
9 TEMPERATURE SENSOR
10 FLANGE OUTLET CONNECTION
11 FLOW SENSOR
12 PUMP AND MOTOR
13 STATION FAN HOOD MOUNTED
14 VARIABLE FREQUENCY DRIVE
15 CONCRETE ANCHOR BOLTS (x4) LOCATIONS
16 6" THICK CONCRETE PAD WITH WIRE MESH
17 STAINLESS STEEL BASE (UNPAINTED)
18 MARINE GRADE ALUMINUM ENCLOSURE
19 DROP PIPE (Z-PIPE) W/ POLYURETHANE PAINT
20 LOCKABLE ENCLOSURE DOOR

VFD MOTOR - MARINE GRADE ALUMINUM ENCLOSURE. SEE LEGEND FOR MODEL NUMBER.

5 GREEN TECH PUMP ASSEMBLY (PA)

JOHN DEERE GREEN TECH

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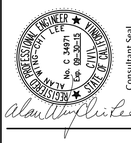
Architect Seal



Consultant Seal

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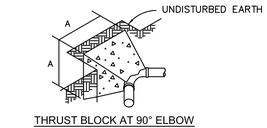
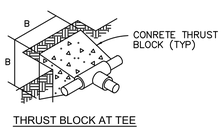
AC.____ FLS.____ SS ____
DATE____

COMPTON COMMUNITY COLLEGE DISTRICT
COMPTON FOOTBALL FIELD
1111 E. ARTESIA BLVD., COMPTON, CA 90221

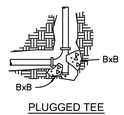
FIELD COOLING SYSTEM DETAILS



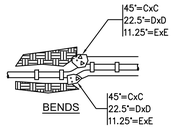
THRUST BLOCK AT 90° ELBOW



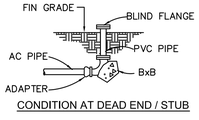
THRUST BLOCK AT TEE



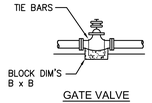
PLUGGED TEE



BENDS



CONDITION AT DEAD END / STUB



GATE VALVE

NOTE: THRUST BLOCKS SHALL NOT BE USED ON GATE VALVES WHICH ARE FLANGED TO TEES OR CROSSES WHICH HAVE THRUST BLOCKS.

PIPE SIZE (INCHES)	90° ELBOW	TEE / STUB	45° BEND	22.5° BEND	11.25° BEND
	A	B	C	D	E
2	17"	14"	13"	9"	6"
3	25"	21"	18"	13"	10"
4	34"	28"	25"	18"	13"
6	48"	41"	36"	26"	18"
8	63"	53"	47"	33"	24"
10	77"	65"	57"	41"	29"
12	92"	77"	68"	48"	34"

H ON-SITE THRUST BLOCK DETAILS
NOT TO SCALE

GENERAL NOTES:

1. ALL DUCTILE IRON FITTINGS BURIED UNDERGROUND SHALL BE PROTECTED WITH PLASTIC FILM WRAP IN ACCORDANCE WITH AWWA C105. WRAP SHALL BE A LOOSE 8'-MIL-THICK POLYETHYLENE TUBE. ALL JOINTS BETWEEN PLASTIC TUBES SHALL BE WRAPPED WITH 2-INCH-WIDE POLYETHYLENE ADHESIVE TAPE, POLYKEN 900, SCOTCH WRAP 50, OR APPROVED EQUAL.
2. THRUST BLOCK AREAS ARE BASED ON 200 PSI PRESSURE AND 1,000 PSF ALLOWABLE SOIL BEARING PRESSURE & SIZED PER N.F.P.A. 13, ANNEX A, TABLE A.10.8.2(a), 2002 EDITION.
3. ALL BOLTS AND STUDS SHALL BE TYPE 316 STAINLESS STEEL PER ASTM A193 GRADE B8M. NUTS AND WASHERS SHALL BE TYPE 316 STAINLESS STEEL PER ASTM A194 GRADE 8M.
4. THRUST BLOCKS SHALL BE INSTALLED AT EVERY CHANGE OF DIRECTION.
5. ALL THRUST BLOCKS SHOULD, WHERE POSSIBLE, BE PLACED AGAINST UNDISTURBED SOIL. WHERE IT IS NOT POSSIBLE TO PLACE THE BEARING SURFACE AGAINST UNDISTURBED SOIL, THE FILL BETWEEN THE BEARING SURFACE AND UNDISTURBED SOIL MUST BE COMPACTED TO AT LEAST 90% STANDARD PROCTOR DENSITY (PER N.F.P.A. 13, ANNEX A.10.8.2, 2002 EDITION. THEY SHALL BE CENTERED VERTICALLY AND HORIZONTALLY ABOUT THE DIRECTION OF THE THRUST.
6. THRUST BLOCKS SHALL BE CONCRETE CLASS 520-C-2500 PER THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 2009 EDITION, SECTION 201-1 WITH TYPE II CEMENT.
7. WHERE WATER MAIN DEAD ENDS ARE BLIND FLANGED OR CAPPED, THE THRUST BLOCK SHALL EXTEND A MINIMUM DISTANCE OF 6" INTO BOTH SIDES OF THE TRENCH.
8. CONCRETE POURED AGAINST PIPE FITTINGS SHALL BE PLACED SO THAT VALVES AND FITTINGS ARE ACCESSIBLE FOR REPAIR.
9. TIE BARS SHALL BE #4 REBAR (PER ASTM 767 AND D3963) OR STAINLESS STEEL WITH ACI HOOKED ENDS. WHEN TIE BARS ARE NOT EMBEDDED IN CONCRETE THEY SHALL BE COATED WITH KOPPERS CO. BITUMASTIC NO. 50 OR EQUIVALENT.
10. ALL EXPOSED FLANGES AND OTHER METAL SURFACES AND ALL DAMAGED COATINGS SHALL BE COATED AFTER ASSEMBLY WITH A MASTIC, PER SPECIFICATIONS.
11. CONCRETE SHALL HAVE 3" MINIMUM CLEARANCE AROUND ALL JOINTS.

JOHN DEERE GREEN TECH

Compton Community College District

CA6-TC3-12+1 / FSMVC -300S

Controller Assembly = CA
Enclosure Type = 6
Touch Screen Model = TC3
Station Count = 24+1 Master Valve
Flow Sensing = Monitor with 3" Insert and Saddle
Master Valve = Normally Closed 3"

Touch Control Specifications

DESCRIPTION

The John Deere-Green Tech **Touch Control** (TC) is a versatile product that has a modular design and can be used is a variety of specialty applications. The TC product line is highly customizable and can be uniquely configured for individual clients.

The TC comes in three basic styles. 1) PLC only, 2) PLC with monochrome Touch Screen, 3) PLC with color Touch Screen.

TC has seven application types 1) Fertigation/chemigation, 2) Filtration, 3) Lighting, 4) Moisture Sensing, 5) Pump, 6) Sports Field, 7) Water Harvesting.

The TC product line utilizes the VIT enclosures listed below:

1	18"W x 36"H x 12"D	Front Entry
2	18"W x 36"H x 24"D	Front & Rear Door
3	24"W x 36"H x 12"D	Front Entry
4	24"W x 36"H x 24"D	Front & Rear Door
5	18"W x 52"H x 32"D	Metered
6	16"W x 38"H x 15.5"D	Top Entry
7	24"W x 38"H x 17"D	Top Entry
8	36"W x 36"H x 12"D	Double Wide
10	16"W x 32"H	Backboard only Wall Mount
11	22"W x 32"H	Backboard only Wall Mount
12	16.75"W x 30"H x 8.25"D	Light Duty Wall Mount
16	18"W x 36"H x 12"D	Front Entry Wall Mount

D CONTROLLER ASSEMBLY DETAIL
NOT TO SCALE

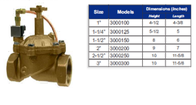
TC3

Operating Voltage	24V DC
Input Voltage	120VAC
Touch Screen	5.7" TFT Color
Color Depth	65,536
Effective Display Area	4.6" x 3.4"
Brightness	800 cd/m2
Resolution:	640 x 480 pixels.
Memory capacity	12MB
Serial ports/communication	2/Modbus (RS232, RS485, RS422)
Ethernet ports/communication	1/RJ-45
USB ports/communication	1/TypeA & 1/MiniB
Remote Monitor	Yes
Approvals	UL 1604 , Hazardous Locations
NEMA Type	13

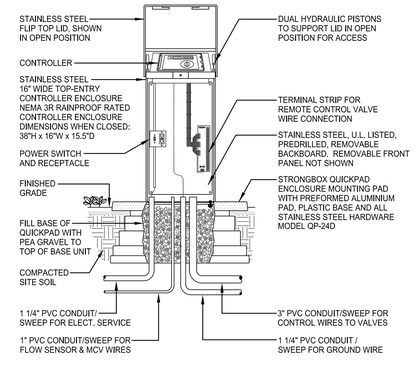
FSMVC-300S
FLOW SENSOR MONITOR
Rain Bird pulse decoder and Data Industrial Model# PT1502 flow monitor for use with Maxicom. Monitors and displays flow.

FLOW SENSOR
3" Data Industrial flow sensor. The sensor shall operate in-line pressures up to 125 psi and liquid temperatures up to 140° F, and operate in flows of 1 foot per second to 20 feet per second. Includes Saddle for 4" mainline.

MASTER VALVE
3000 Series 3" Superior MV – Normally Closed For flows 5-320gpm. Operating pressure up to 200psi.



Size	Models	Dimensions (inches)	
		depth	height
1"	3000100	4-1/2	4-1/8
1-1/4"	3000125	5-1/2	5
1-1/2"	3000150	8	6
2"	3000200	9	7
2-1/2"	3000250	10	11-5/8
3"	3000300	10	11-5/8



D SWITCH CONROLLER SECTION
NOT TO SCALE

REVISIONS:

Date: 06/10/15
Job: 1529
Scale: NONE
Drawn: AU

C007

SHEET – OF
XREF:

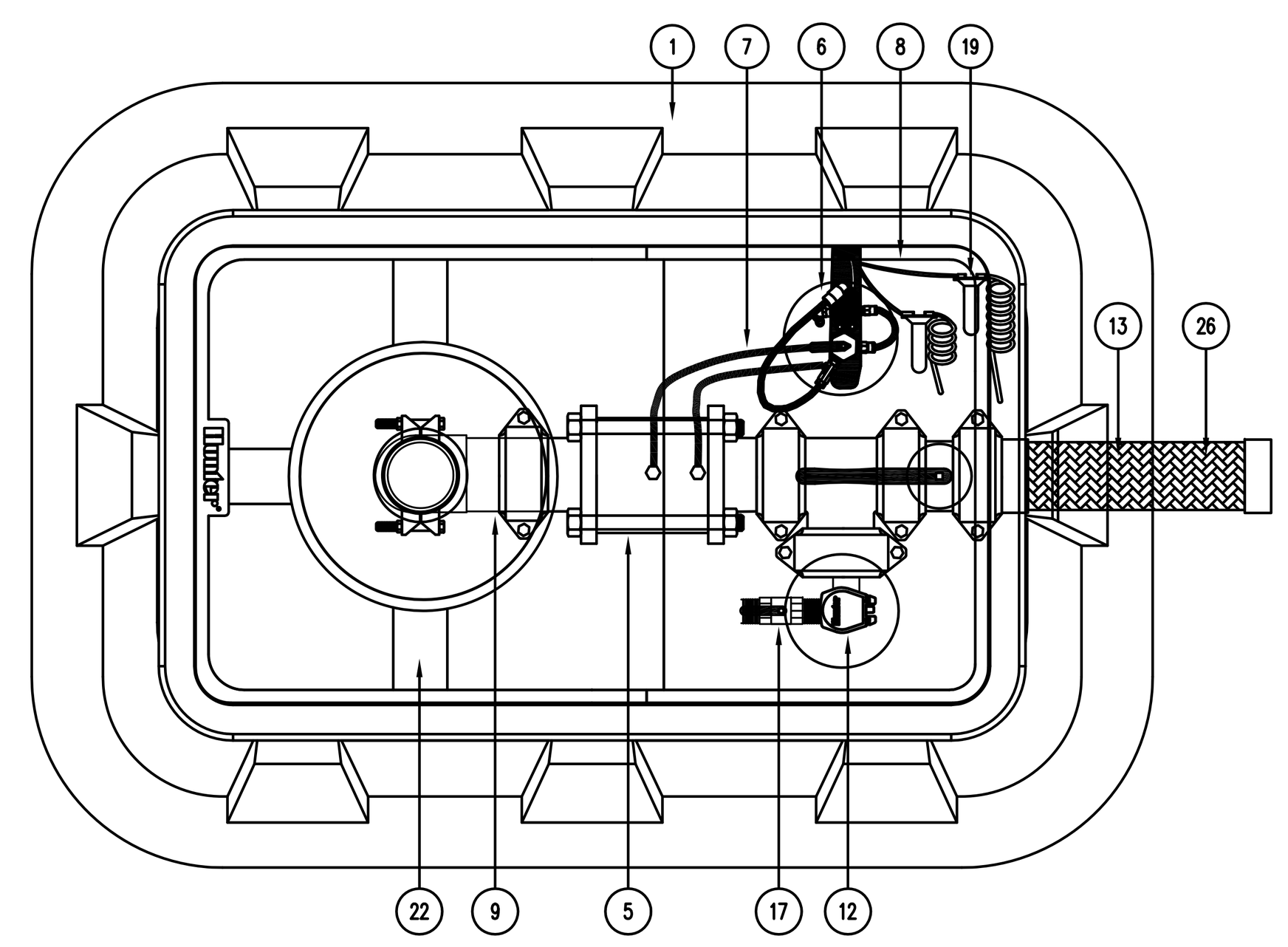
PLAN PREPARED BY:
FPL and Associates, Inc.
Traffic • Transportation • Civil
10 Corporate Park, Suite 310
Irvine, CA 92606
PHONE: 949-252-1688

STK-6V

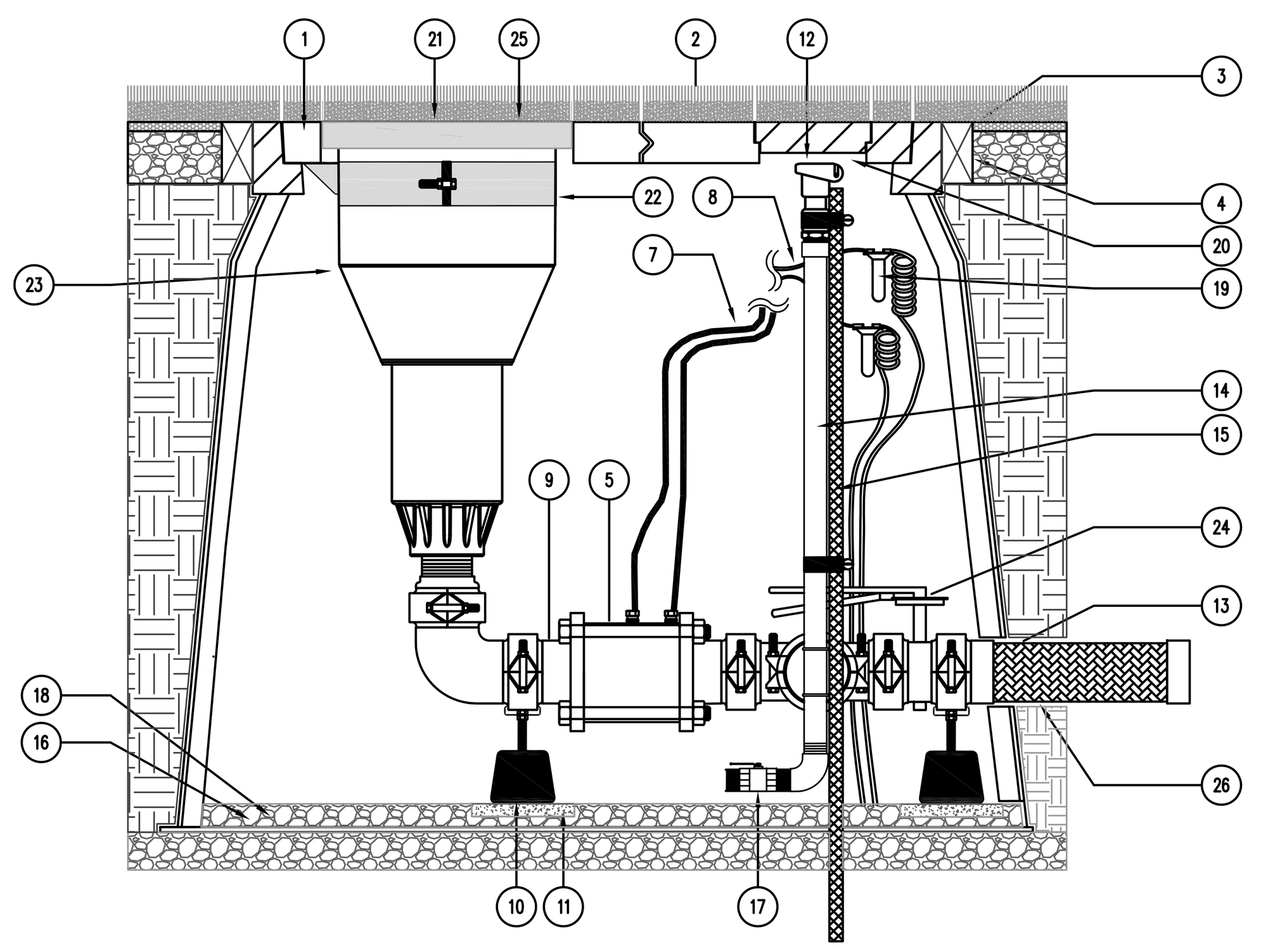
SYNTHETIC TURF VAH ROTOR & ENCLOSURE SYSTEM

TOP VIEW

"OFF FIELD SIDE"



"ON FIELD SIDE"

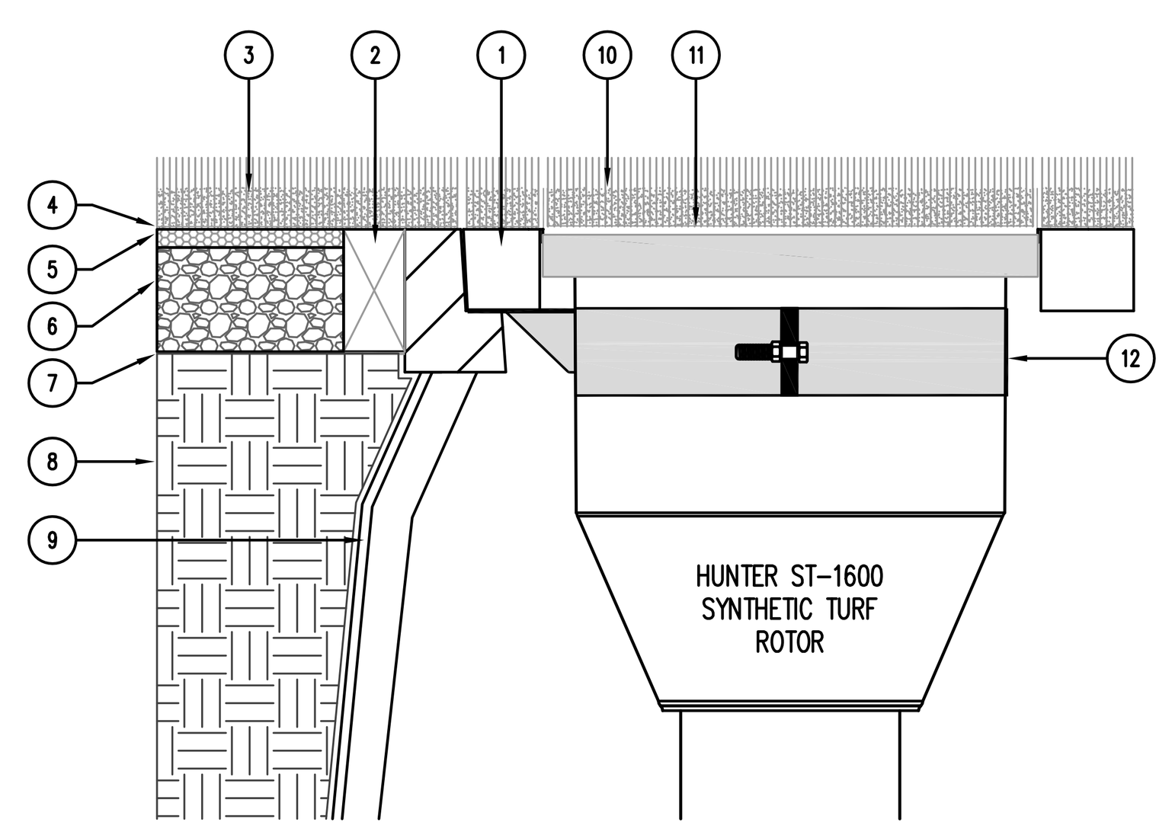


STK-6V SIDE VIEW "INFILL TURF OVER VAULT"

"VIEW FROM ON FIELD SIDE"

1. HUNTER ST-243636B* COMPOSITE VAULT & 4-PIECE POLYMER-CONCRETE COVER SET WITH CAST-IN OPENINGS TO SUPPORT ROTOR LATERAL THRUST PLUS CAST IN OPENING WITH CIRCULAR COVERS FOR QUICK COUPLER AND ON-OFF-AUTO SELECTOR ACCESS
2. INFILL SYNTHETIC TURF MATERIAL ATTACHED TO VAULT RIM AND COVER SET
3. FINISHED GRADE SET TO FIELD PERIMETER TACK/GLUE BOARD OR AS PER SPECIFICATION
4. 2" X 4" (50mm X 102mm) TACK/GLUE BOARD AS PER SPECIFICATION ALL SIDES
5. HUNTER ST-V30KV ULTRA LOW LOSS 3" (80mm) VALVE KIT WITH GROOVED FITTING CONNECTIONS
6. REMOTE ON-OFF-AUTO SELECTOR AND SOLENOID MANIFOLD ASSEMBLY MOUNTED ON VAULT SIDEWALL
7. COLOR CODED CONTROL TUBING FROM ST-V30KV VALVE TO SELECTOR SWITCH MOUNTED ON VAULT SIDE WALL
8. LEAD WIRES FROM SOLENOID TO WATERPROOF SPLICE CONNECTORS
9. HUNTER ST-BVF30K ISOLATION VALVE AND FITTING KIT WITH GROOVED CONNECTIONS AND 500 PSI RATED COUPLINGS SUFFICIENT TO CONNECT ROTOR AND CONTROL VALVE TO MANIFOLD INLET
10. HUNTER ST-SPTK ADJUSTABLE MANIFOLD SUPPORT BLOCK ADJUSTED TO SUPPORT MANIFOLD WEIGHT TWO (2) REQUIRED
11. SUPPORT PAD AS 16" X 16" X 2" (41cm X 41cm X 50mm) CONCRETE STEPPING STONE OR AS PER SPECIFICATION (2)
12. HUNTER HQ-5RC QUICK COUPLING VALVE SET DIRECTLY BELOW CIRCULAR QUICK-ACCESS PORT
13. HUNTER ST-H30K 3" (80mm) STAINLESS STEEL FLEXIBLE INLET PIPE
14. 1" (25mm) MINIMUM SCH 80 QUICK COUPLER SUPPLY PIPING AND FITTINGS OR AS PER SPECIFICATION
15. ⅝" X 48" (16mm X 122cm) REBAR STAKE WITH STAINLESS STEEL STRAPPING
16. COMPACTED BASE FIELD MATERIALS PER SPECIFICATIONS
17. BRASS MANUAL BALL VALVE INCLUDED/PROVIDED WITH #9 ST-BVF30K
18. PROVIDE DRAINAGE VIA ACCESS TO FIELD DRAINAGE SYSTEM
19. WATERPROOF CONNECTIONS PER SPECIFICATIONS BETWEEN CONTROL WIRE AND SOLENOID LEAD WIRES
20. TOP OF QUICK COUPLER SET LESS THAN ½" BELOW UNDERSIDE OF MAIN VAULT COVER TO ALLOW KEY ACTIVATION FROM ABOVE
21. HUNTER ST-IBS1600 RUBBER COVER AND INFILL BARRIER KIT WITH TRIM REFERENCE RINGS TO ALLOW HEIGHTS FROM STANDARD 1-1/4" (32mm) (INFILL APPLICATION) TO FLAT (NON-INFILL OR TRACK MATERIAL) APPLICATIONS
22. HUNTER ST-BKT1600 ROTOR HANGER AND ELEVATION ADJUSTMENT BRACKET
23. HUNTER ST-1600B ROTOR
24. ISOLATION BUTTERFLY VALVE WITH GROOVED CONNECTIONS INCLUDED/PROVIDED WITH #9 ST-BVF30K
25. INFILL SYNTHETIC TURF MATERIAL ATTACHED TO ST-IBS1600 CUP USING HUNTER ST-ADH ADHESIVE AND APPROVED PROCEDURES.
26. WRAP FLEXIBLE INLET PIPING WITH HEAVY-DUTY PLASTIC PIPE WRAP TAPE PRIOR TO BACK-FILL AND COMPACTION

*ENCLOSURE DIMENSIONS
4 - PIECE COVER - 24" X 36" (50cm X 76cm)
EXPOSED RIM - 26" X 38" (66cm X 96.5cm)
OVERALL HEIGHT - 36" (76cm)
BASE PAD - 42" X 48" (107cm X 122cm)



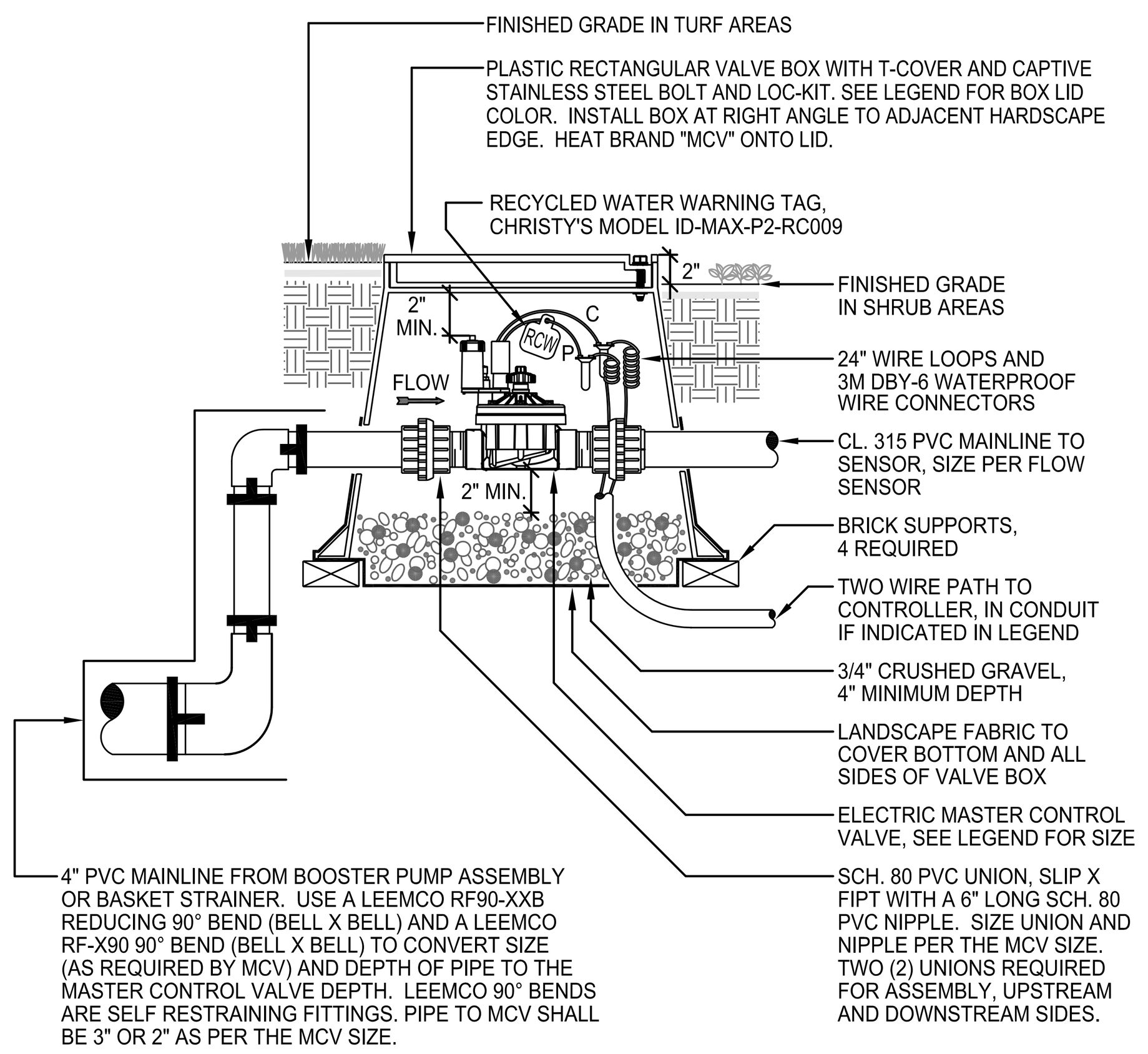
STK-6V ZOOM VIEW "INFILL TURF OVER VAULT"

"VIEW FROM ON FIELD SIDE"

1. HUNTER ST-243636B COMPOSITE VAULT & 4-PIECE POLYMER-CONCRETE COVER SET WITH CAST-IN OPENINGS TO SUPPORT ROTOR LATERAL THRUST PLUS CAST IN OPENING WITH CIRCULAR COVERS FOR QUICK COUPLER AND ON-OFF-AUTO SELECTOR ACCESS
2. 2" X 4" (50mm X 102mm) TACK/GLUE BOARD AS PER SPECIFICATION ALL SIDES
3. INFILL SYNTHETIC TURF MATERIAL ATTACHED TO VAULT RIM AND COVER SET
4. FINISHED GRADE
5. BASE PAD AS PER SPECIFICATION
6. STRUCTURAL BASE ROCK (SEE TURF BASE CONSTRUCTION)
7. GEOTEXTILE CLOTH LAYER OR AS PER SPECIFICATION
8. NATURAL SOIL (SEE TURF BASE CONSTRUCTION)
9. HUNTER VAULT SIDEWALL AND RIM
10. INFILL SYNTHETIC TURF MATERIAL ATTACHED TO FLATTENED ST-IBS1600 USING HUNTER ST-ADH ADHESIVE AND APPROVED PROCEDURES
11. HUNTER ST-IBS1600 INFILL BARRIER RUBBER COVER TRIMMED FLAT
12. HUNTER ST-BKT1600 ROTOR HANGER AND ELEVATION ADJUSTMENT BRACKET

(E) FIELD COOLING SYSTEM DETAIL

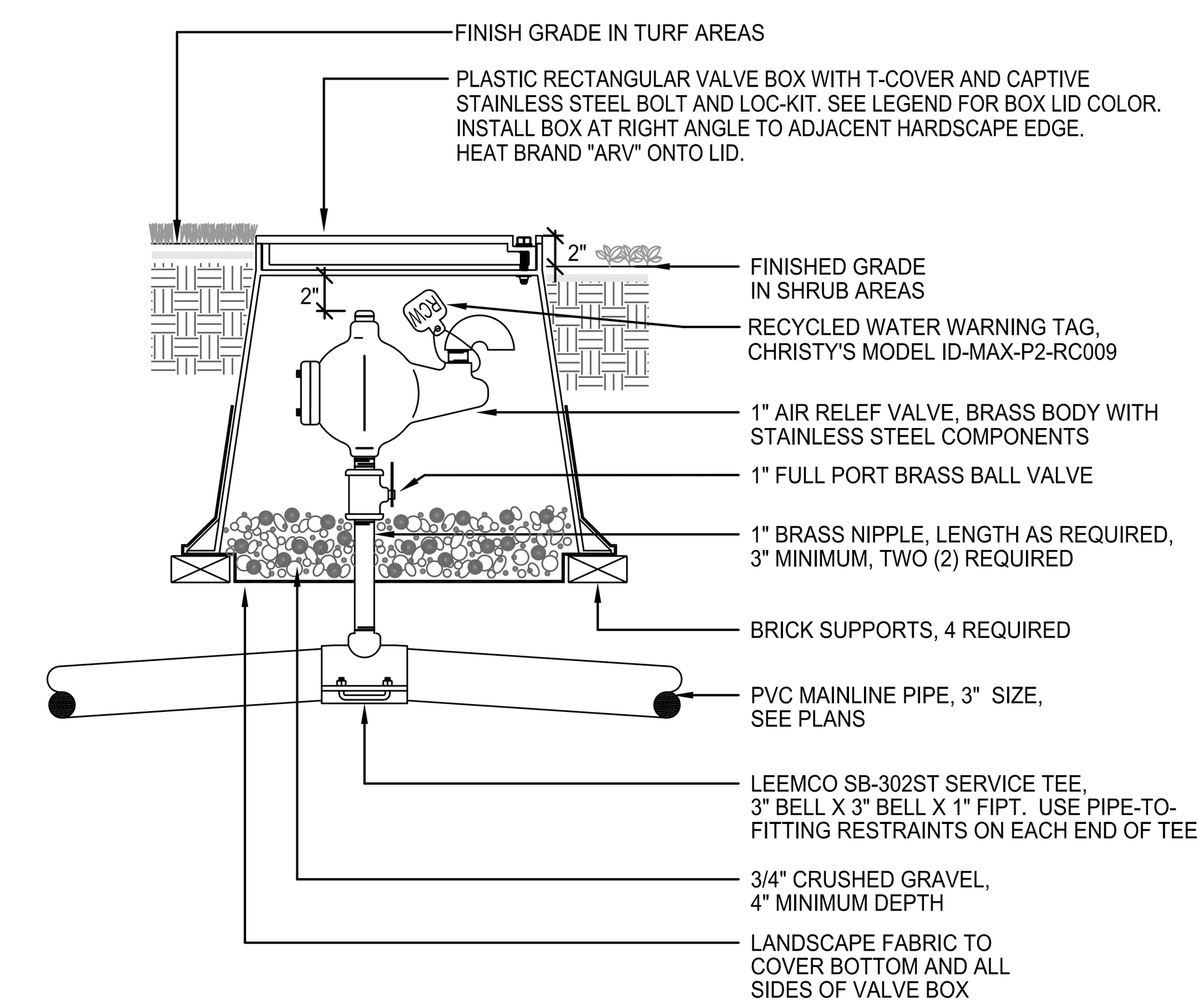
NOT TO SCALE



NOTE:
USE STANDARD OPENINGS PROVIDED IN VALVE BOX FOR PIPE, DO NOT CUT BOX.
FOR MCV'S ON COOLING SYSTEM USING POTABLE WATER, DELETE ALL RECYCLED WARNING TAGS.

(J) MASTER CONTROL VALVE (V1)

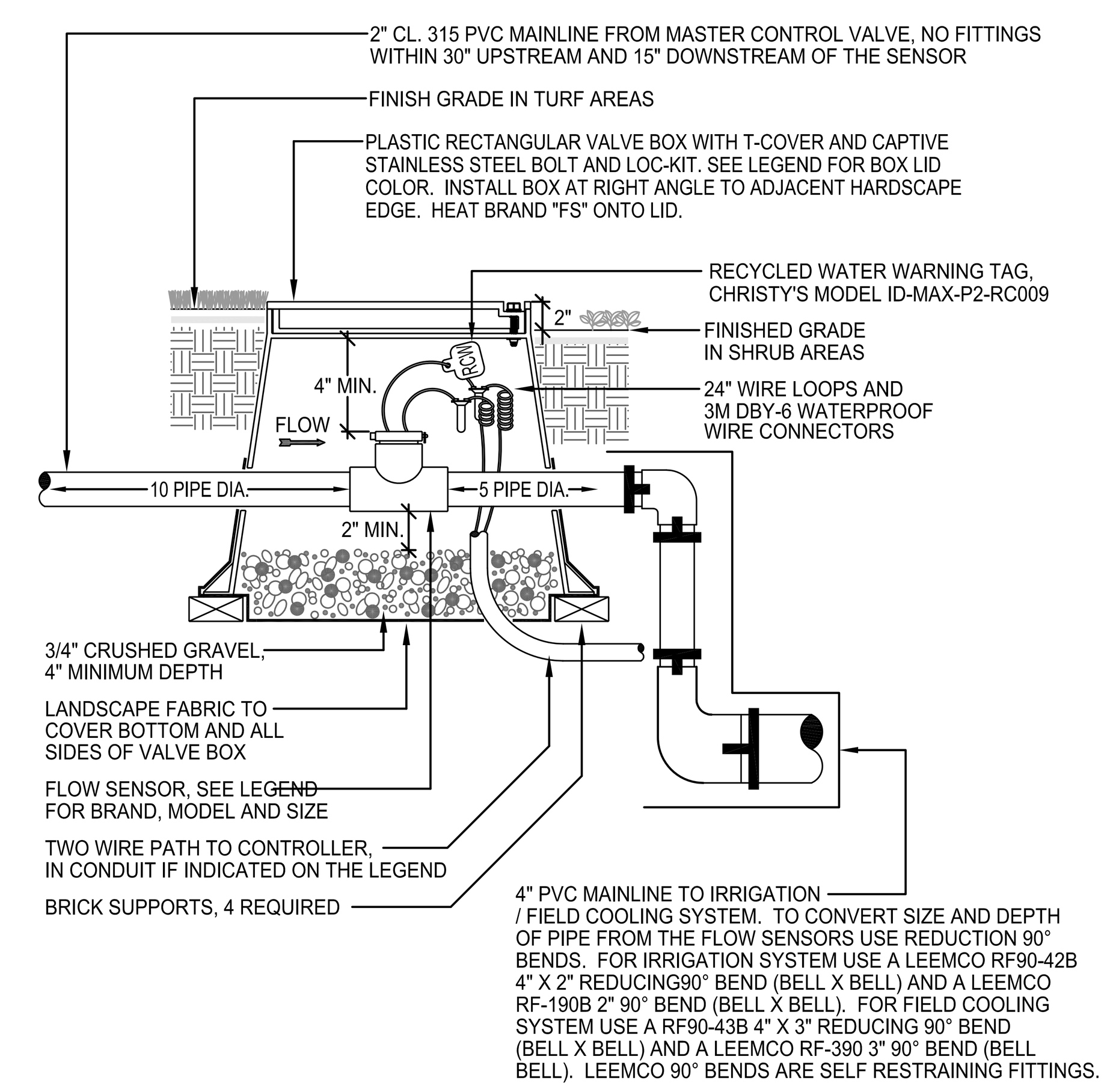
NOT TO SCALE



NOTE:
INSTALL AIR RELEIF VALVE AT HIGH POINT ON MAINLINE.
MAINLINE PIPE SLOPE SHOWN EXAGGERATED ON DETAIL FOR CLARITY.

(L) MAINLINE AIR RELEASE VALVE

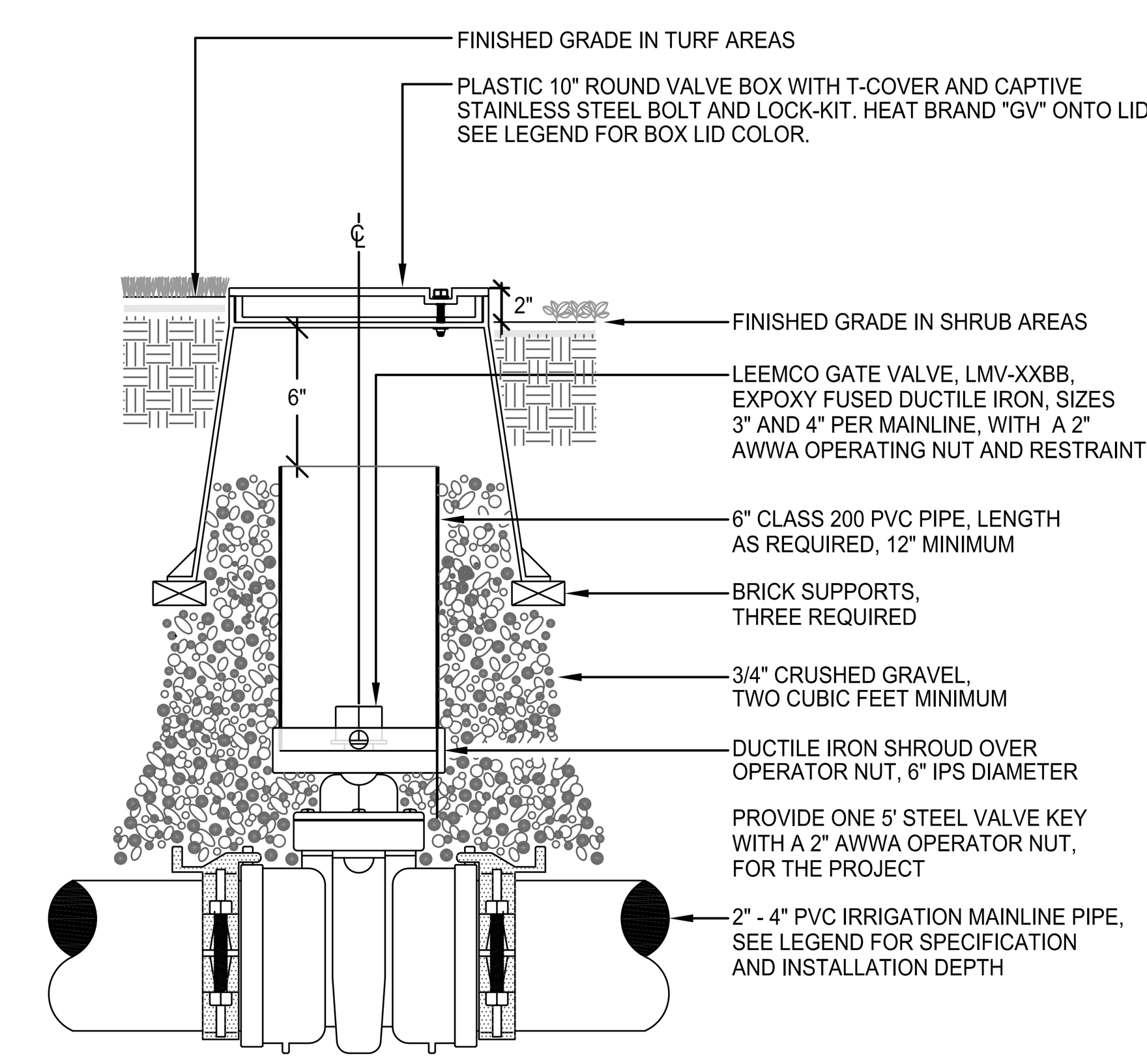
NOT TO SCALE



NOTE:
USE STANDARD OPENINGS PROVIDED IN VALVE BOX FOR PIPE, DO NOT CUT BOX.
FOR FS'S ON COOLING SYSTEM USING POTABLE WATER, DELETE ALL RECYCLED WARNING TAGS.

(K) FLOW SENSOR (F1)

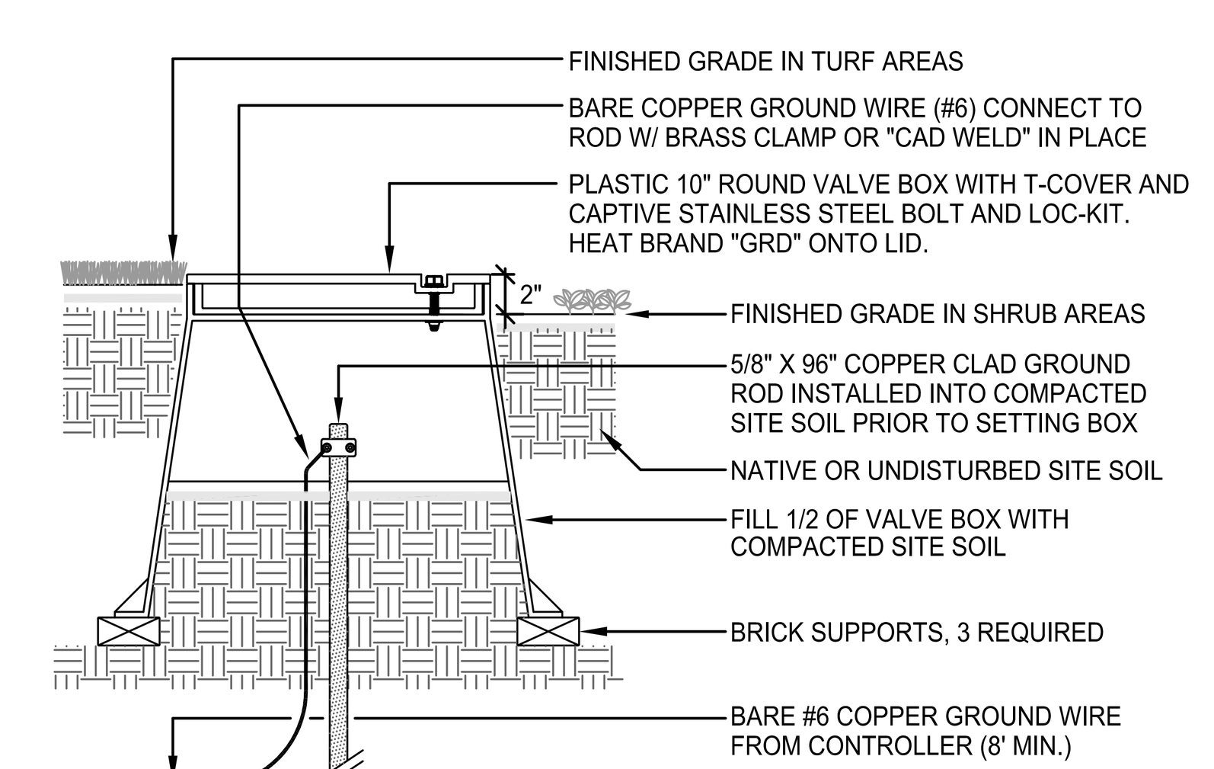
NOT TO SCALE



NOTE:
USE STANDARD OPENINGS PROVIDED IN VALVE BOX FOR PIPE, DO NOT CUT BOX.
FOR GV'S ON COOLING SYSTEM USING POTABLE WATER, DELETE ALL RECYCLED WARNING TAGS.

(M) MAINLINE ISOLATION GATE VALVE

NOT TO SCALE



NOTE:
A MINIMUM OF ONE GROUND ROD SHALL BE INSTALLED PER CONTROLLER. SEE LEGEND, DETAILS AND SPECIFICATIONS FOR ADDITIONAL GROUNDING REQUIREMENTS.

CONTROLLER GROUNDING DETAIL

NOT TO SCALE

NOTE: A MINIMUM OF ONE GROUND ROD SHALL BE INSTALLED PER CONTROLLER.

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LICENSED ARCHITECT DAVID M. BANNON NO. C-25904 EXP. JULY 31, 2015 STATE OF CALIFORNIA

Architect Seal

REGISTERED PROFESSIONAL ENGINEER ALAN WING-CHI LEE No. C 34971 Exp. 09-30-15 CIVIL STATE OF CALIFORNIA

Consultant Seal

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COMPTON COMMUNITY COLLEGE DISTRICT
COMPTON FOOTBALL FIELD
1111 E. ARTESIA BLVD., COMPTON, CA 90221

FIELD COOLING SYSTEM DETAILS

REVISIONS:
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2
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Date:	06/10/15
Job:	1529
Scale:	NONE
Drawn:	AU

PLAN PREPARED BY:
FPL and Associates, Inc.
Traffic • Transportation • Civil
10 Corporate Park, Suite 310
Irvine, CA 92606
PHONE: 949-252-1688

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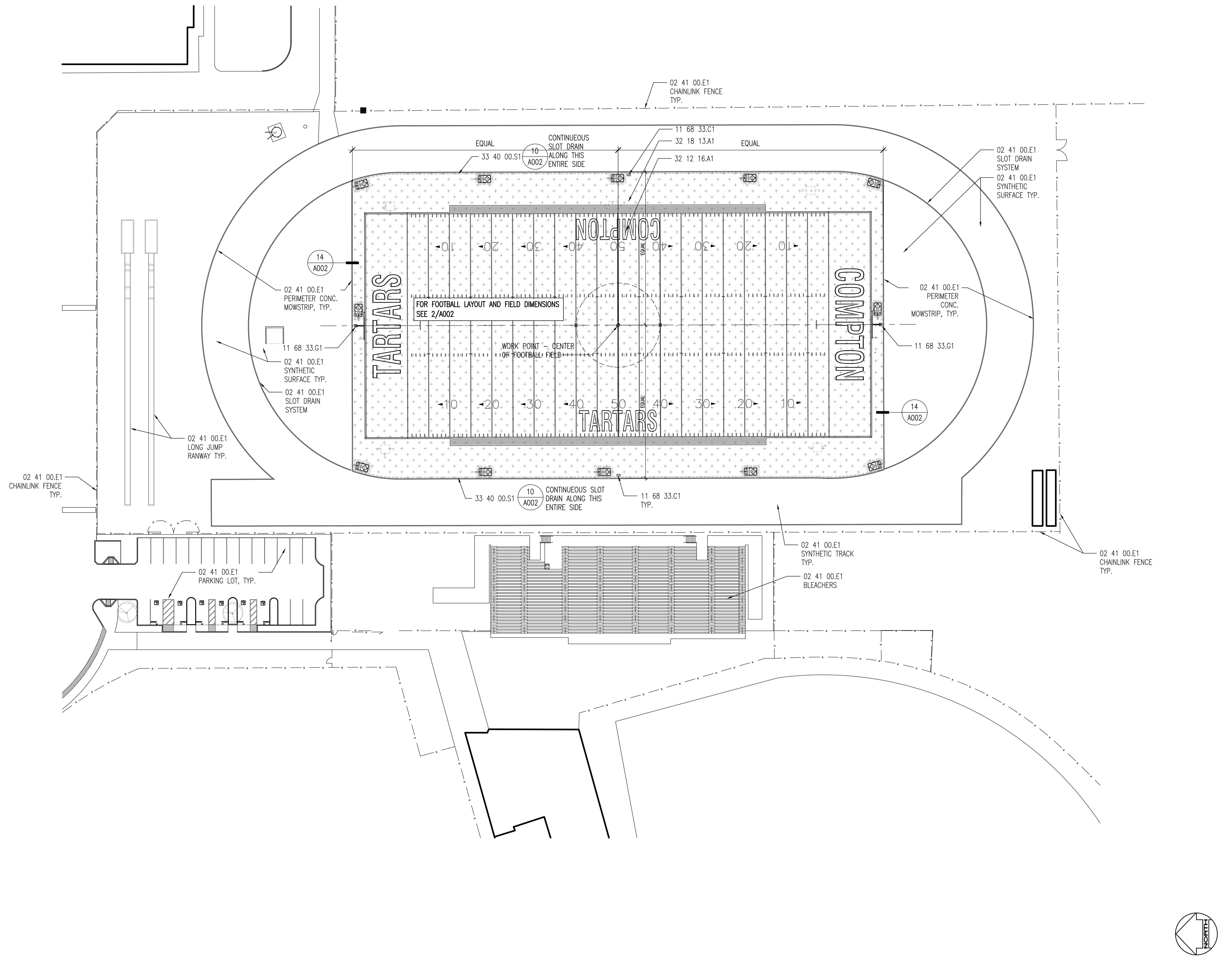


SITE PLAN 1
1"=30'-0"

KEYNOTES GENERALLY CORRESPOND TO SPECIFICATION SECTIONS BY MEANS OF THE SIX-DIGIT NUMBER IDENTIFYING THE SPEFICIATION SECTION AS A MATTER OF REFERENCE AND CONVENIENCE. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL WORK INDICATED HEREIN PERSUANT TO THE GENERAL CONDITIONS AND TECHNICAL SPECIFICATIONS OF THE CONTRACT, REGARDLESS OF WHETHER OR NOT THE KEYNOTE(S) SPECIFICALLY CORRESPOND TO ANY SPECIFICATION DIVISION PROVIDED IN THE TECHNICAL SPECIFICATIONS.

KEYNOTES

DIVISION 02 - EXISTING CONDITIONS

02 41 00.E1 – EXISTING ITEM TO REMAIN

DIVISION 11 - EQUIPMENT

11 68 33.C1 – ELECTRICAL COMMUNICATION BOX
11 68 33.G1 – FOOTBALL GOAL POST OFOI

DIVISION 32 - EXTERIOR IMPROVEMENTS

32 12 16.A1 – HOT-MIX ASPHALT PAVING
32 18 13.A1 – SYNTHETIC GRASS SURFACING OFOI

DIVISION 33 - UTILITIES

33 40 00.S1 – SLOT DRAIN

SITE NOTES

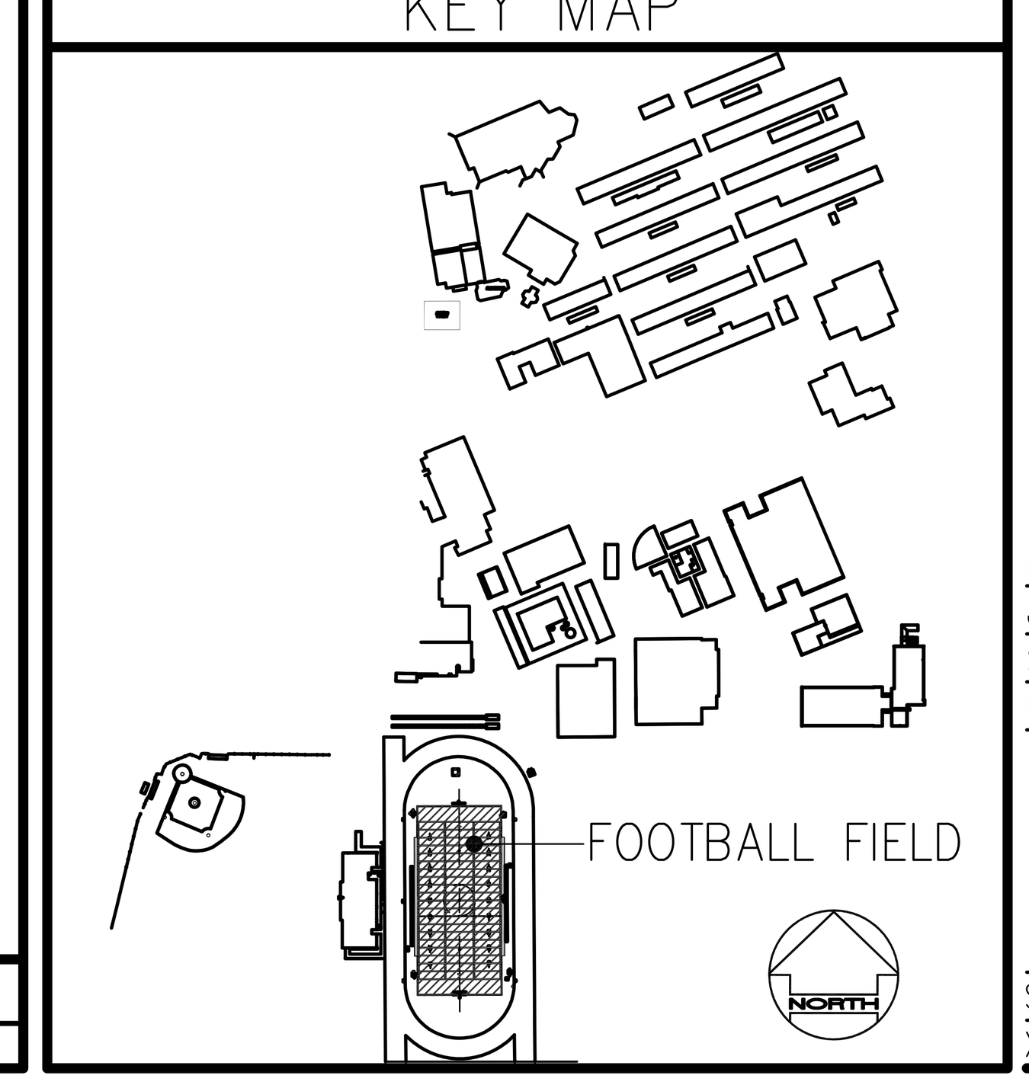
1. FOR TYPICAL SYMBOLS AND ABBREVIATIONS, SEE SHEET G001.
2. PROTECT AND SAFEGUARD FROM DAMAGES ALL EXISTING CONSTRUCTION AND FINISHES TO REMAIN.
3. PROVIDE TEMPORARY 6' HIGH CHAIN LINK FENCE ENCLOSURES WITH LOCKABLE GATES AS REQUIRED FOR CONSTRUCTION ACCESS AT CONTRACTOR'S STAGING AREA AND AROUND ALL CONSTRUCTION SITES.
4. WHERE REMOVAL OF CONCRETE WALKS, MOWSTRIPS, CURBS AND GUTTERS IS REQUIRED BY THE EXECUTION OF THIS CONTRACT, REMOVE THE CONCRETE WORK TO THE NEAREST EXISTING EXPANSION OR CONTROL JOINT (SAWCUT IF REQUIRED). CURBS AND GUTTERS MAY BE REMOVED IN MINIMUM LENGTHS OF 6' IF THE DISTANCE BETWEEN EXISTING JOINTS IS 12' OR MORE. REPLACE REMOVED WORK WITH REINFORCED CONCRETE TO MATCH ADJACENT EXISTING WORK IN PROFILE, JOINT LAYOUT AND FINISH. SEE SHEET A004 FOR SIMILAR DETAILS AND REINFORCING REQUIREMENTS. DOWEL NEW CONCRETE WORK INTO EXISTING PER DETAIL 1/A007.
5. WHERE ASPHALT PAVING IS DAMAGED BY THE EXECUTION OF THIS CONTRACT, PATCH & REPAIR TO ORIGINAL OR BETTER CONDITION. WHERE (E) LAWNS ARE DAMAGED BY THE EXECUTION OF THIS CONTRACT, FILL, COMPACT, AND REPLANT AREA TO MATCH EXISTING TURF AREA.
6. CONTRACTOR SHALL MAINTAIN EXISTING PLANTING WITHIN THE JOB SITE FENCE ENCLOSURE DURING DEMOLITION AND CONSTRUCTION PHASES. EXISTING IRRIGATION SYSTEMS SHALL EITHER REMAIN OPERATIONAL FOR CONTRACTOR'S USE OR CONTRACTOR SHALL HAND WATER EXISTING PLANT MATERIALS AT LEAST ONCE A WEEK.
7. REPAIR EXISTING IRRIGATION SYSTEMS DAMAGED DURING THE EXECUTION OF THIS CONTRACT. REPLACE PLANT MATERIALS DAMAGED DURING THE CONSTRUCTION PERIOD WITH THE SAME SPECIES OF EQUAL OR GREATER SIZE.
8. OPENINGS IN GRATING OR STRAINERS LOCATED IN PEDESTRIAN WAYS OR IN THE POT SHALL NOT ALLOW THE PASSAGE OF A SPHERE MORE THAN ½" DIAMETER. ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL IN COMPLIANCE WITH SECTION 11B-302.3.

SITE PLAN LEGEND

(N) 2" SYNTHETIC TURF OVER 3/4" DRAINAGE LAYER, OVER A.C. PAVING, BASE AND OVER COMPACTED SUBGRADE. REFER TO CIVIL FOR ADDITIONAL REQUIREMENTS

—X—X—X— EXISTING CHAINLINK FENCE TO REMAIN.

KEY MAP



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DAVID M. BANNON
NO. C-25904
EXP. JULY 31, 2015
STATE OF CALIFORNIA

Architect Seal

Consultant Seal

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COMPTON COMMUNITY COLLEGE DISTRICT
COMPTON FOOTBALL FIELD
1111 E. ARTESIA BLVD., COMPTON, CA 90221

SITE PLAN

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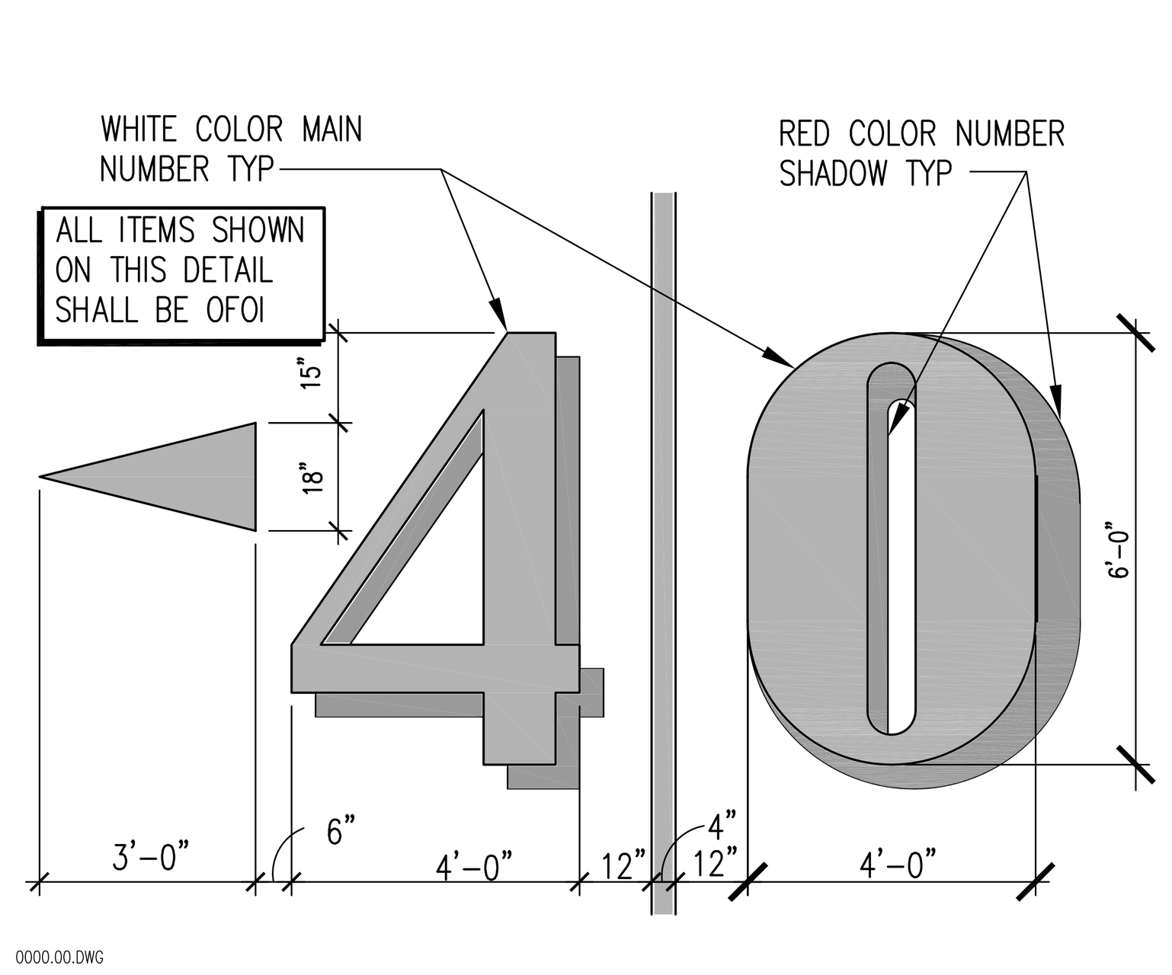
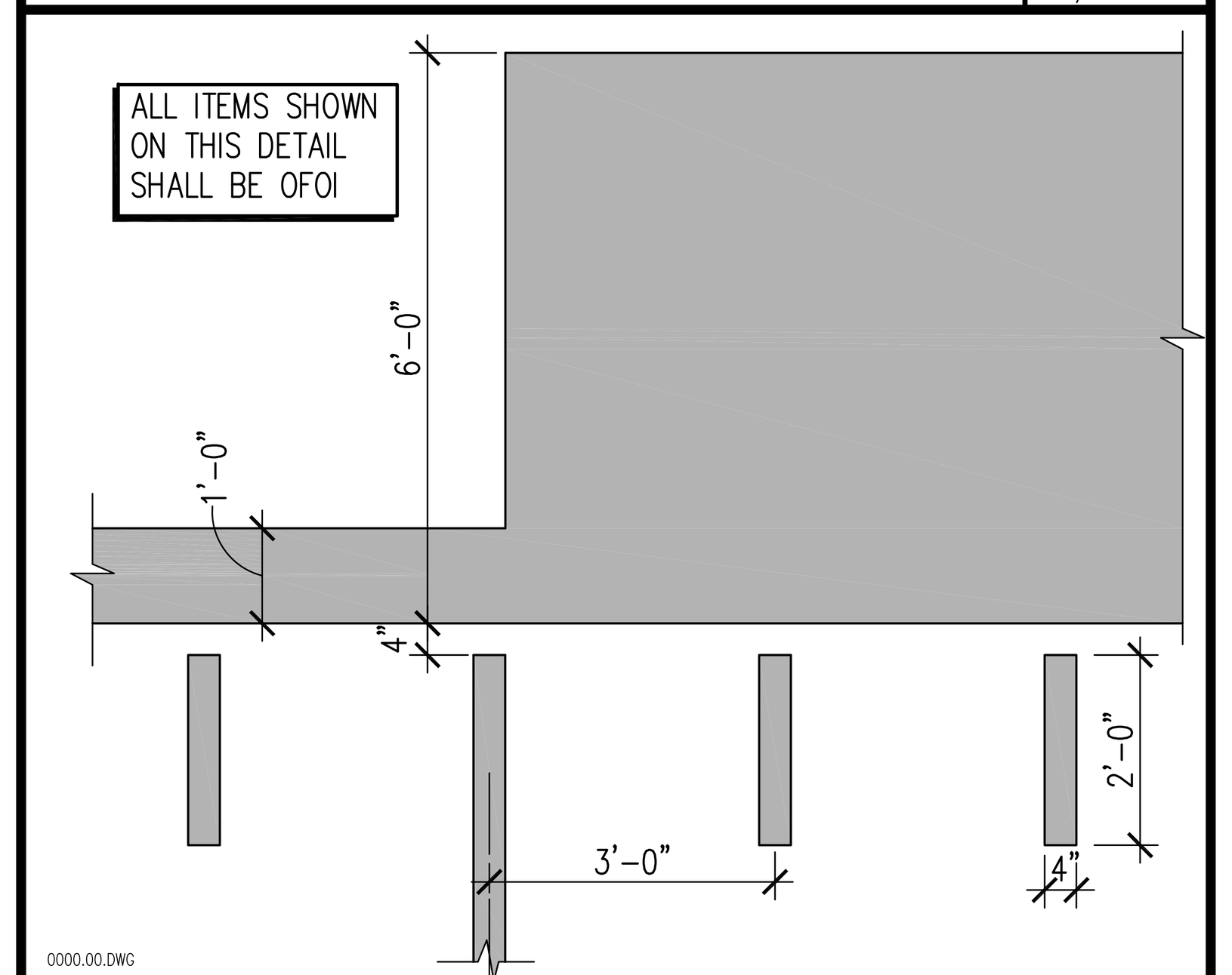
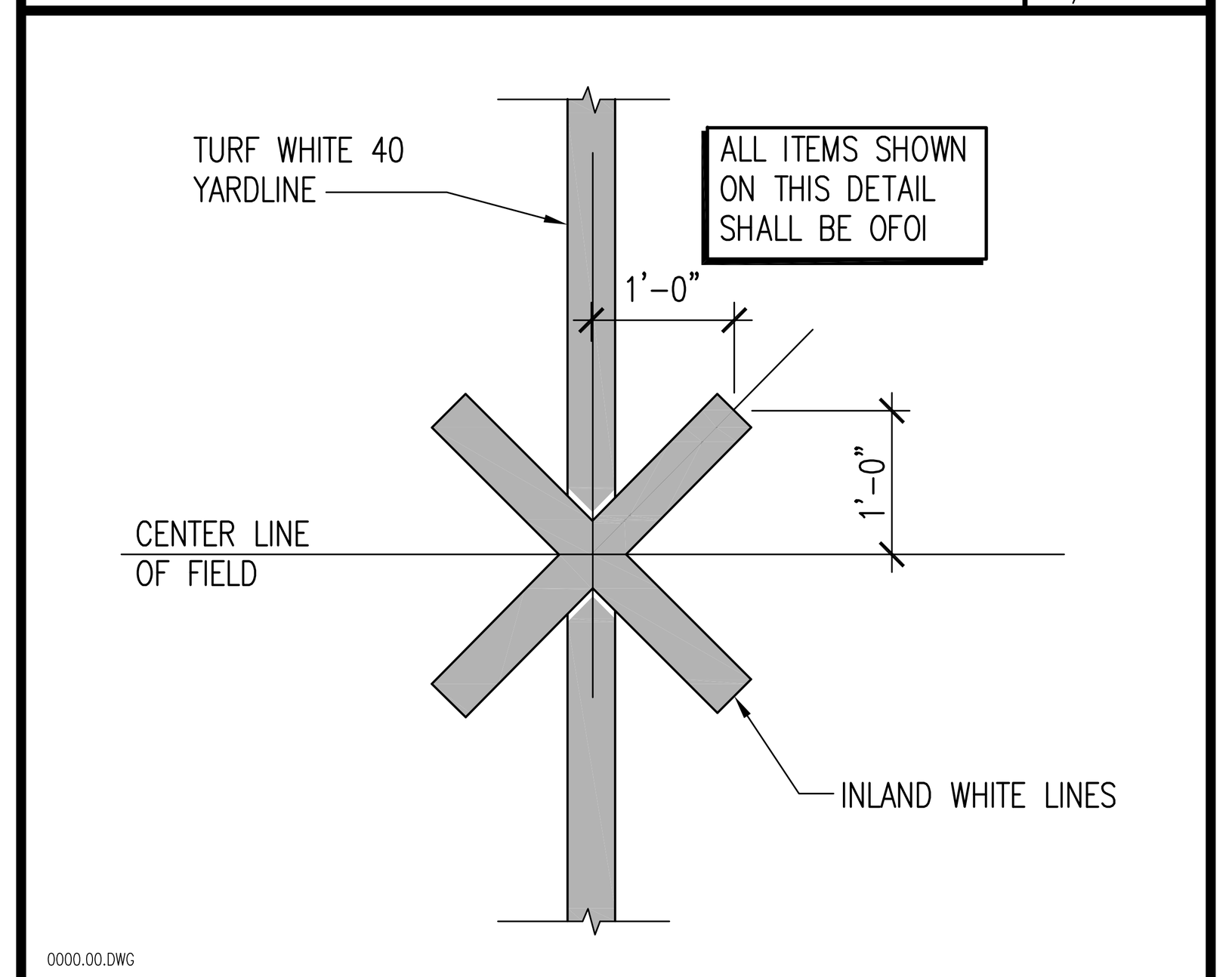


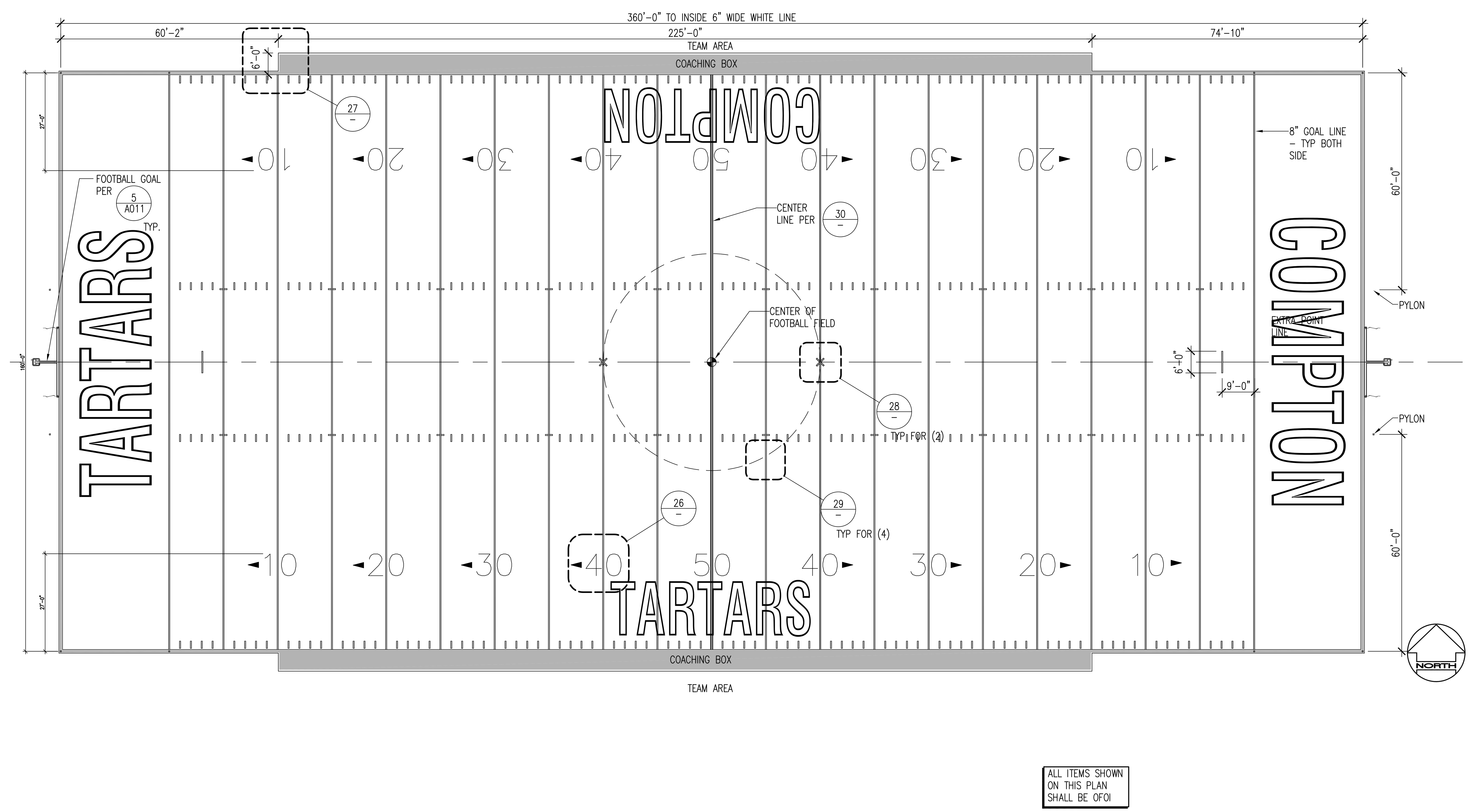
YARDLINE LETTERING 26
3/8"=1'-0"



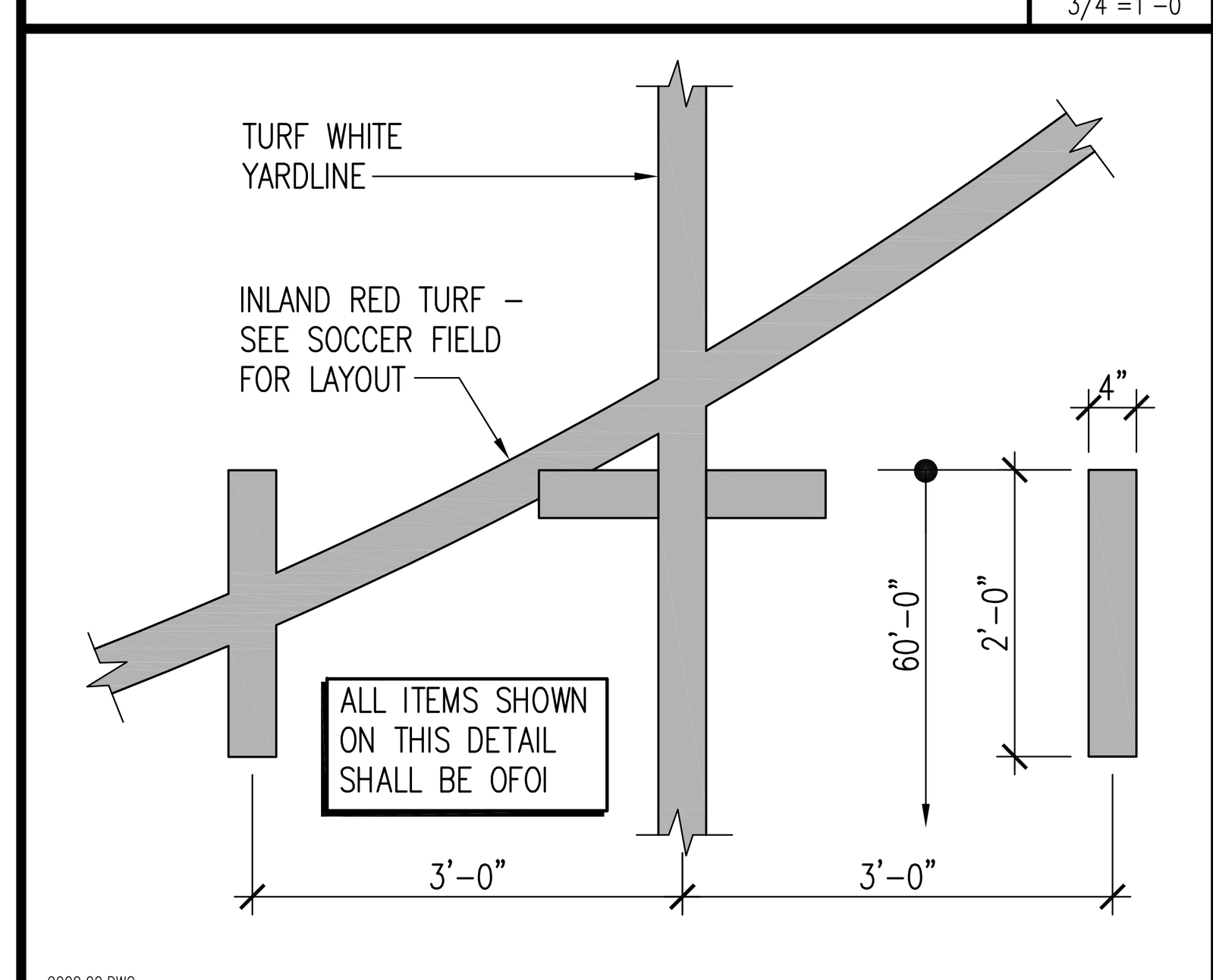
SIDELINE 27
1/2"=1'-0"



KICKOFF MARKER 28
3/4"=1'-0"

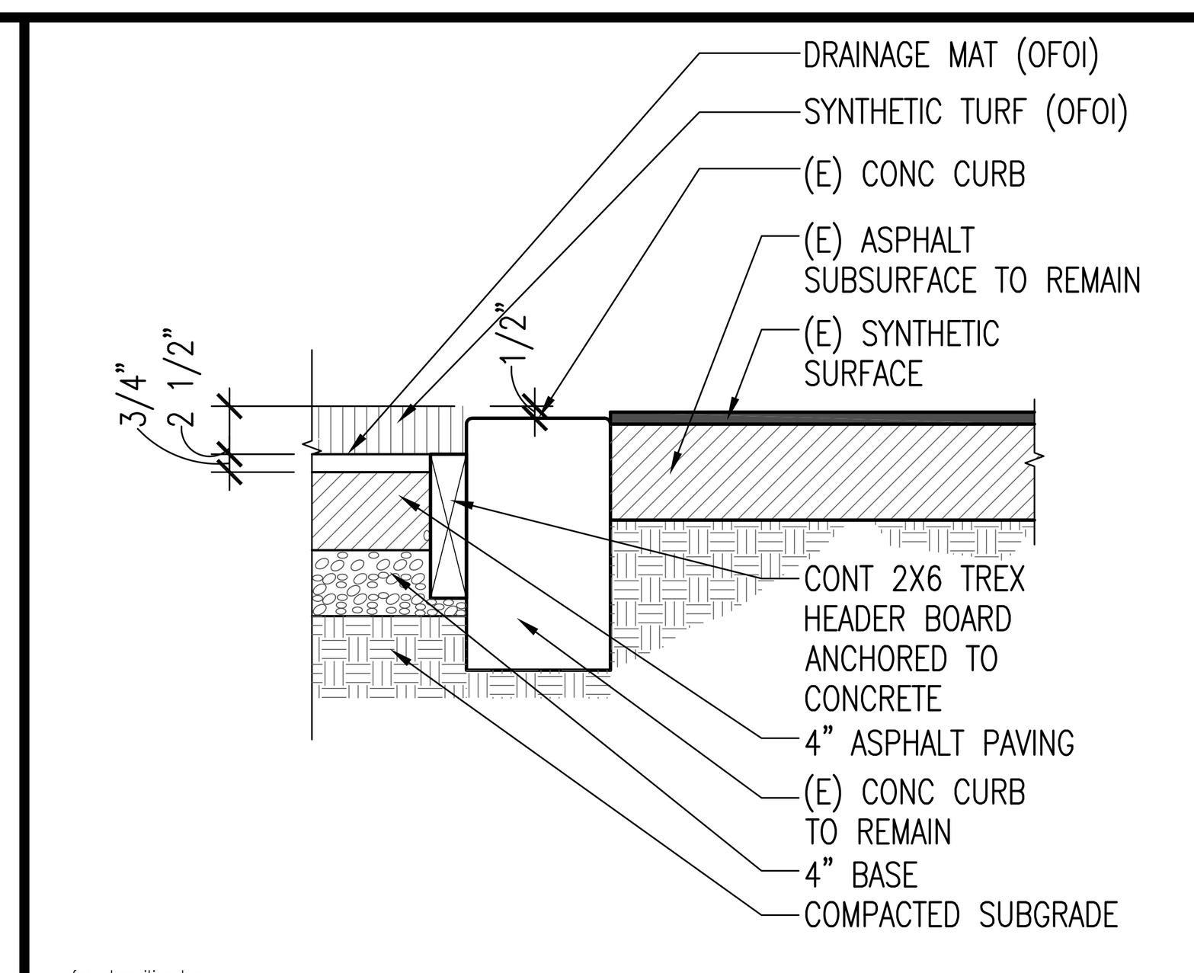


FOOTBALL FIELD LAYOUT 2
1/16"=1'-0"

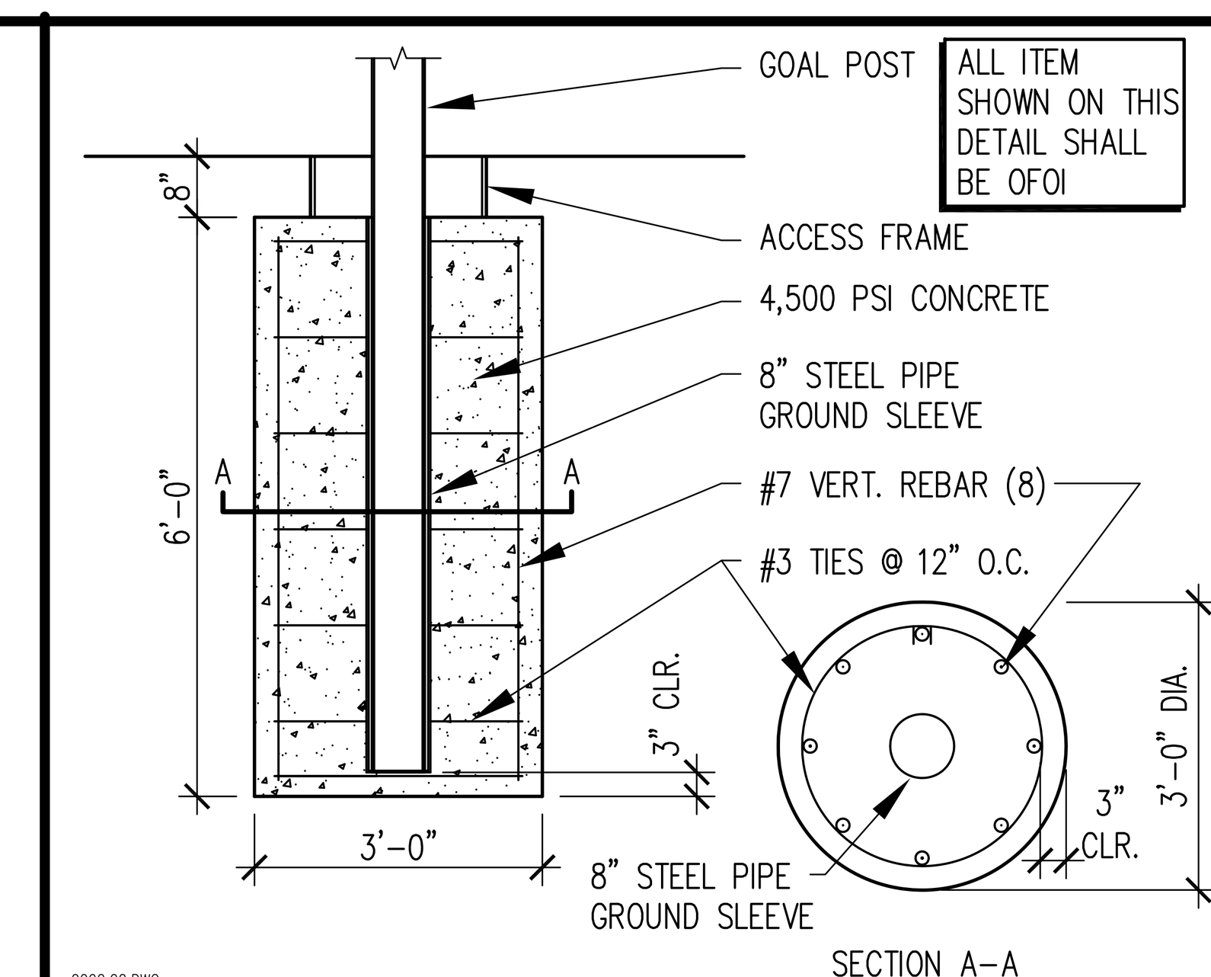


INBOUND LINES 29
3/4"=1'-0"

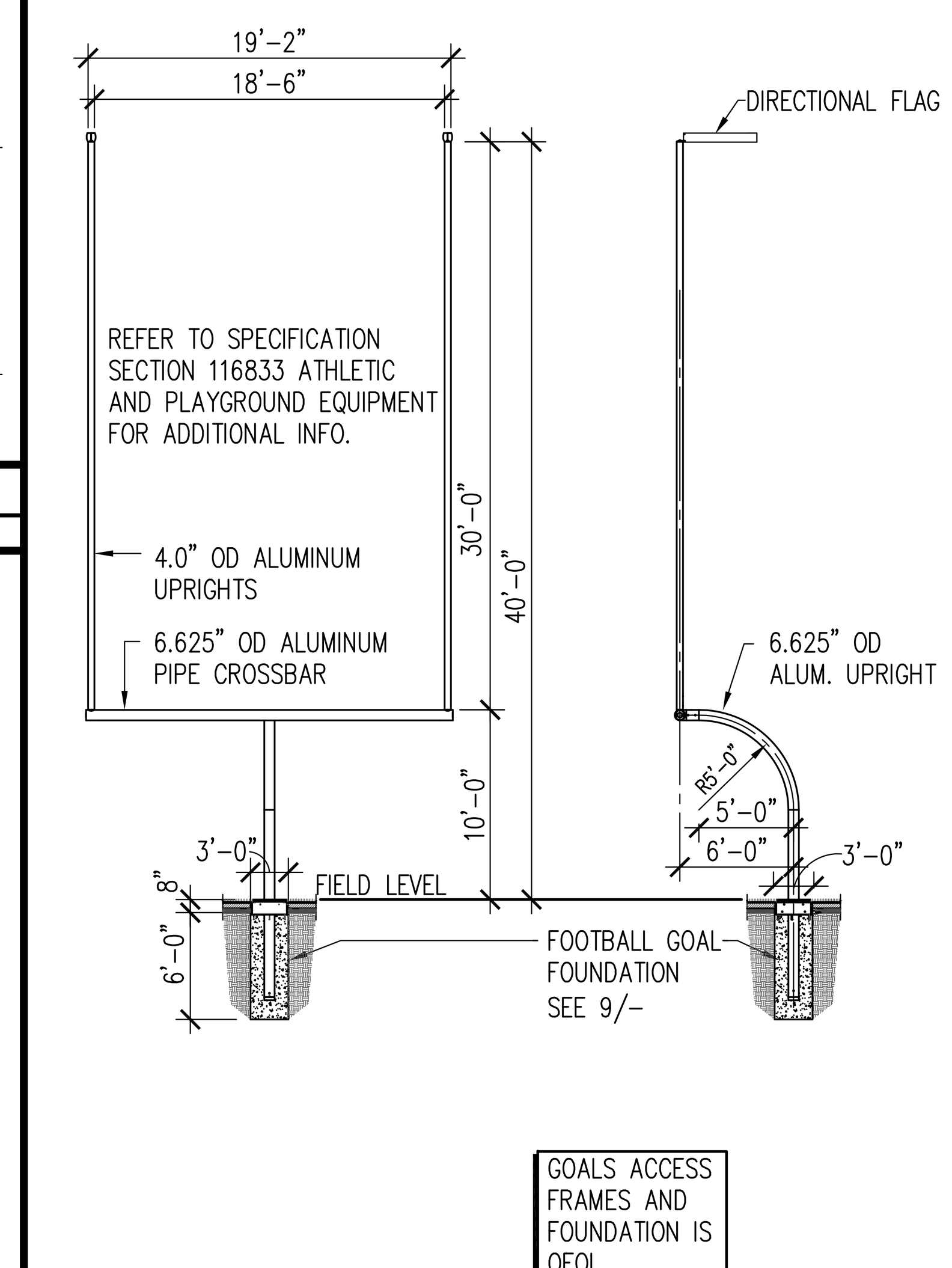
19



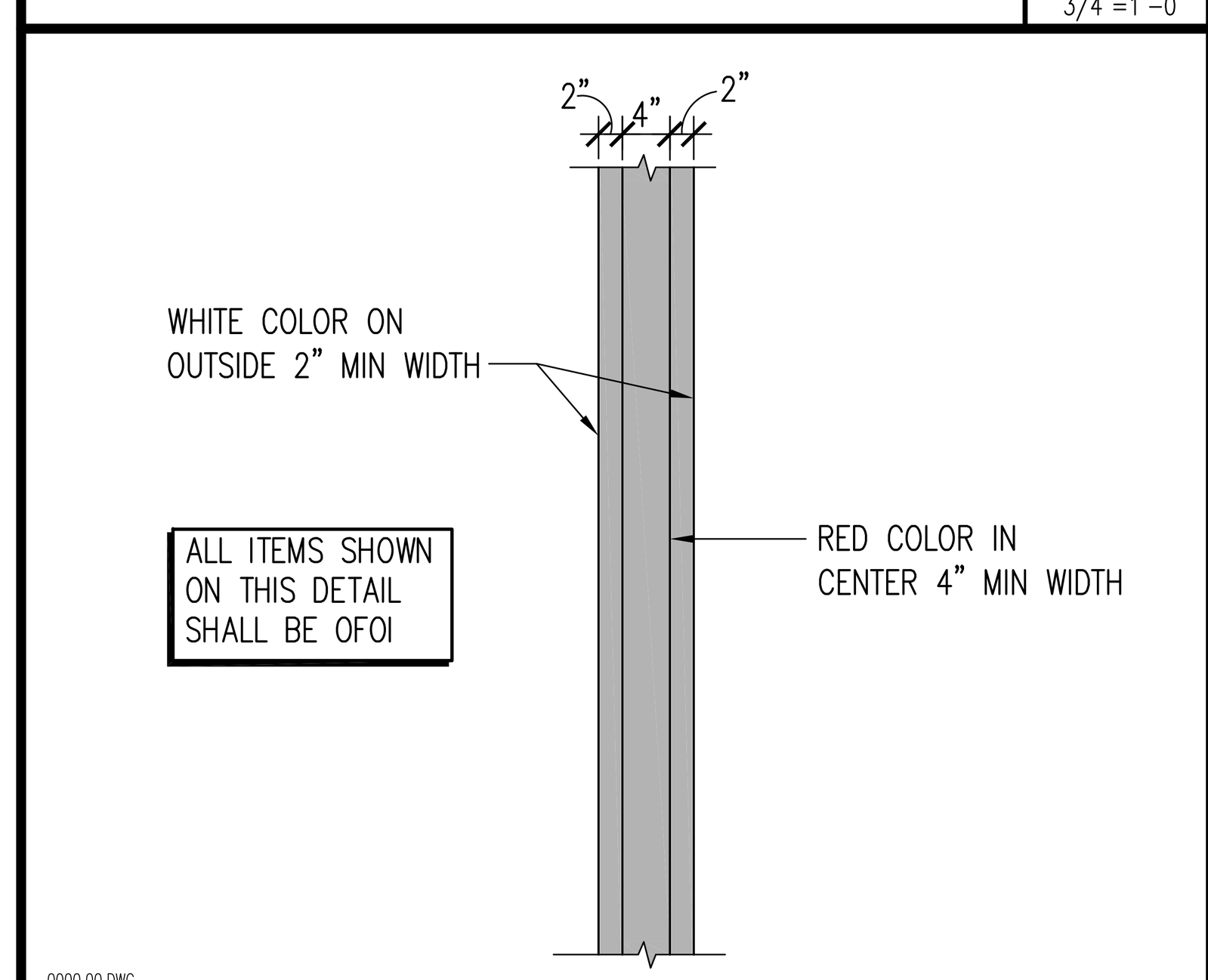
SURFACE TRANSITION @ TURF 14
1 1/2" = 1'-0"



FOOTBALL GOAL FOUNDATION 9
1/2"=1'-0"

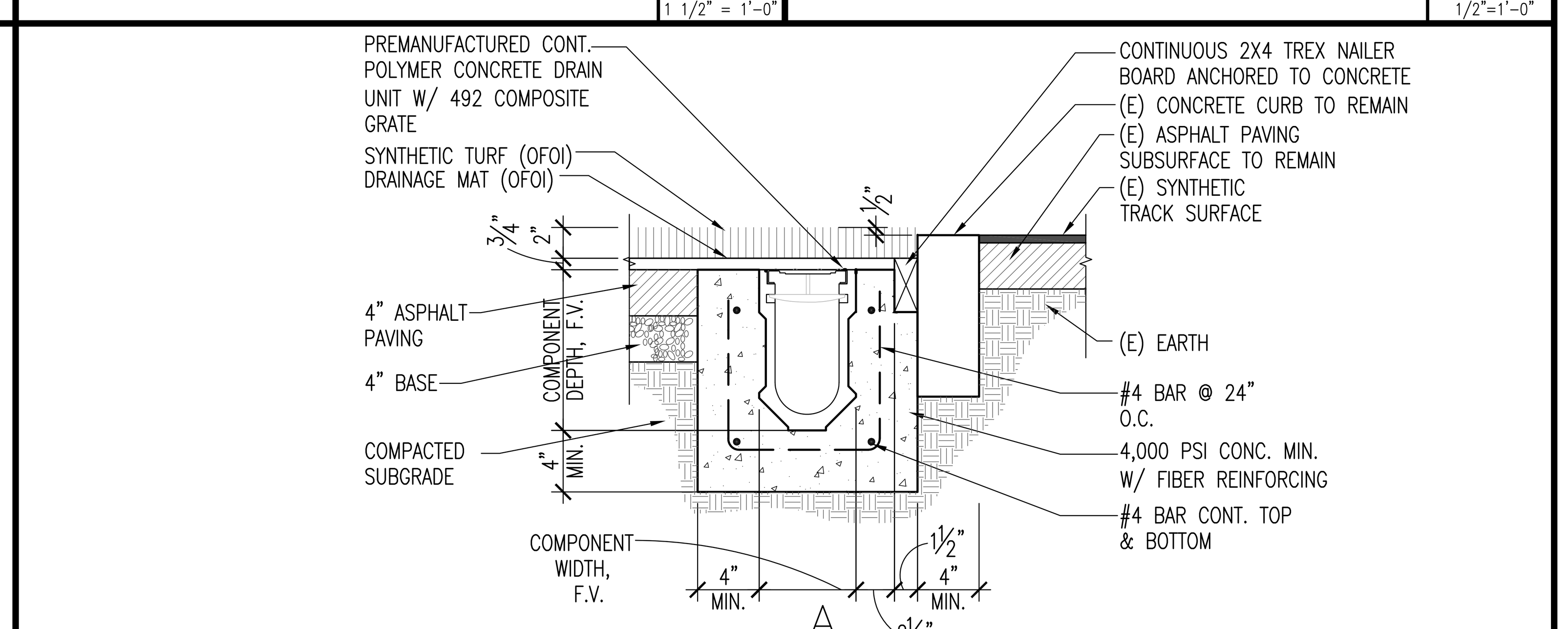


FOOTBALL GOAL 5
1/8"=1'-0"



50 YARDLINE 30
3/4"=1'-0"

20



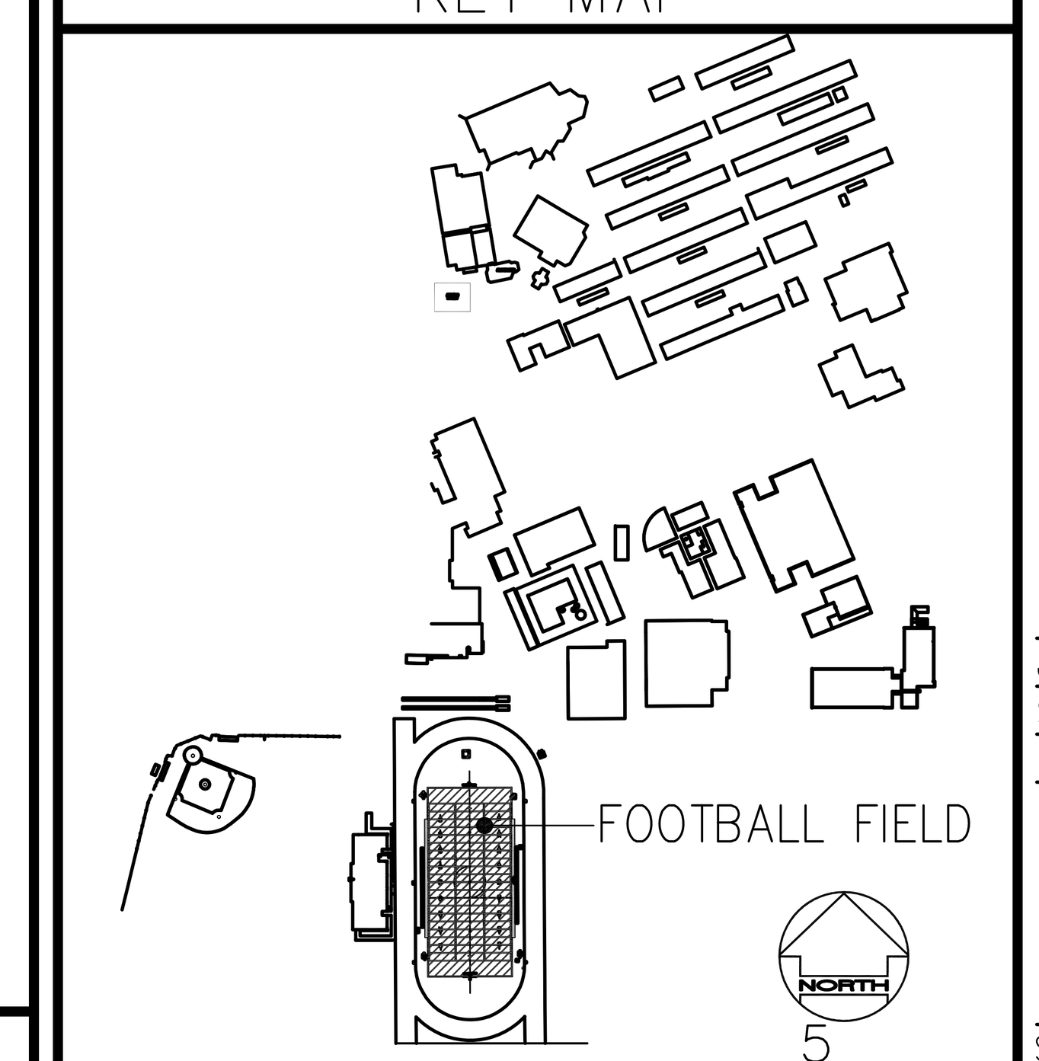
SLOT DRAIN 10
1 1/2" = 1'-0"

KEYNOTES GENERALLY CORRESPOND TO SPECIFICATION SECTIONS BY MEANS OF THE SIX-DIGIT NUMBER IDENTIFYING THE SPEFICATION SECTION AS A MATTER OF REFERENCE AND CONVENIENCE. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL WORK INDICATED HEREIN PERSUANT TO THE GENERAL CONDITIONS AND TECHNICAL SPECIFICATIONS OF THE CONTRACT, REGARDLESS OF WHETHER OR NOT THE KEYNOTE(S) SPECIFICALLY CORRESPOND TO ANY SPECIFICATION DIVISION PROVIDED IN THE TECHNICAL SPECIFICATIONS.

FOOTBALL FIELD NOTES

1. TURF VENDOR SHALL VERIFY ALL DIMS W/ NFSHS STANDARDS.
2. ALL LINE WORK IS TO BE LAID OUT W/IN A TOLERANCE OF 1/4".
3. ALL YARDLINE SHALL BE 4", WHITE, TUFTED TURF, REFER TO FOOTBALL FIELD LAYOUT.
4. A 6'-0" WHITE, TUFTED TURF BORDER SHALL SURROUND THE ENTIRE PLAYING FIELD. REFER TO FOOTBALL FIELD LAYOUT.
5. 24" YARDLINE EXTENSION, 4" FROM THE SIDELINES SHALL BE 4" WIDE, WHITE. INLAID LINES. REFER TO FOOTBALL FIELD LAYOUT
6. THE COACHING BOX AND TEAM AREA SHALL BE PER NFSHSA RULES AND SHALL BE OUTLINED IN 4" WHITE INLAID TURF. REFER TO FOOTBALL FOOTBALL FIELD LAYOUT.
7. THE INBOUND LINES ARE 53'-4" FROM EACH SIDELINE. INBOUND LINES AND YARDLINE EXTENSIONS SHALL BE 24" LONG AND 4" WIDE, INLAID WHITE LINES. REFER TO FOOTBALL FIELD LAYOUT.
8. THE EXTRA POINT LINES ARE 6' LONG, 4" WIDE, WHITE INLAID LINES AT THE CENTERLINE OF THE FIELD AND ON THE 3 YARDLINE AT EA END OF THE FIELD. REFER TO FOOTBALL FIELD LAYOUT FOR LOCATION.
9. WHITE YARDLINE NUMBERS MEASURE 6' IN HEIGHT AND 4' IN WIDTH. TOP OF NUMBERS ARE LOCATED 27' FROM THE INBOUND LINES AND ARE INLAID IN WHITE TURF. REFER TO DETAIL.
10. DIRECTIONAL ARROWS POINT TOWARD RESPECTIVE END ZONES AND ARE WHITE, INLAID TURF AS DIMENSIONED ON DETAIL THERE ARE NO ARROW ON THE 50 YARDLINE.
11. AN X WILL MARK THE KICKOFF LOCATION ON THE 40 YARDLINE AT EA END OF THE FIELD AND SHALL BE DIM AS PER DETAIL THE 40 YARDLINE IS WHITE TUFTED TURF AND THE LINES WHICH FORM THE X ARE INLAID WHITE.
12. (12) PYLONS SHALL BE LOCATED AT THE INTERSECTIONS OF GOAL LINES AND ENDLINES W/ THE SIDELINES, AND @ THE ENDLINES, AND THE EXTENSION OF THE INBOUND LINE AND SHALL BE 4". THE PYLONS TO BE SUPPLIED BY CONTRACTOR PER SPEC.
13. NUMBERED SIDELINE YARD MARKERS, CHAIN SET, AND DOWN BAX SET TO BE PROVIDED BY CONTRACTOR PER SPEC.

KEY MAP



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FOOTBALL FIELD LAYOUT + DETAILS

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