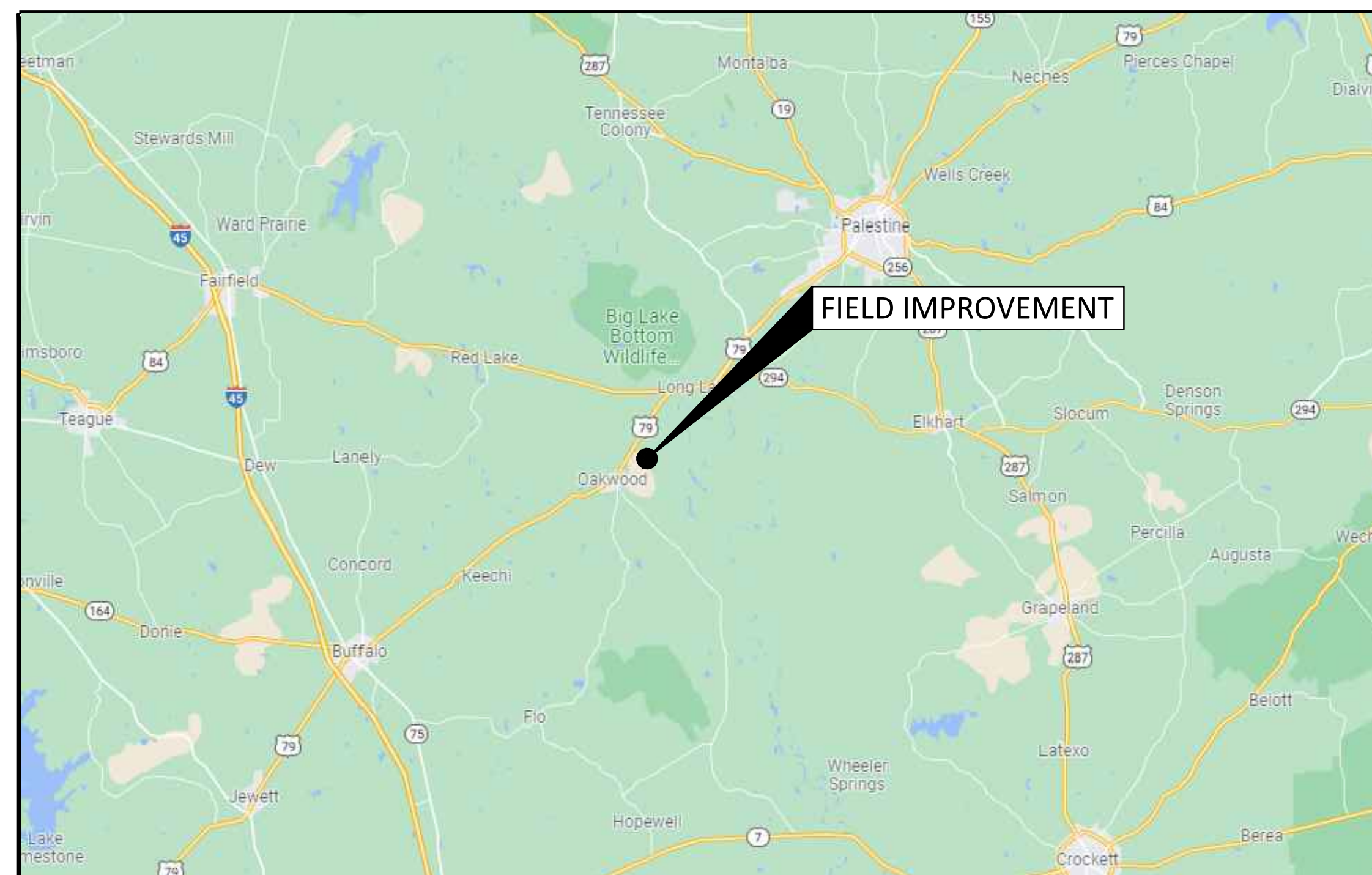


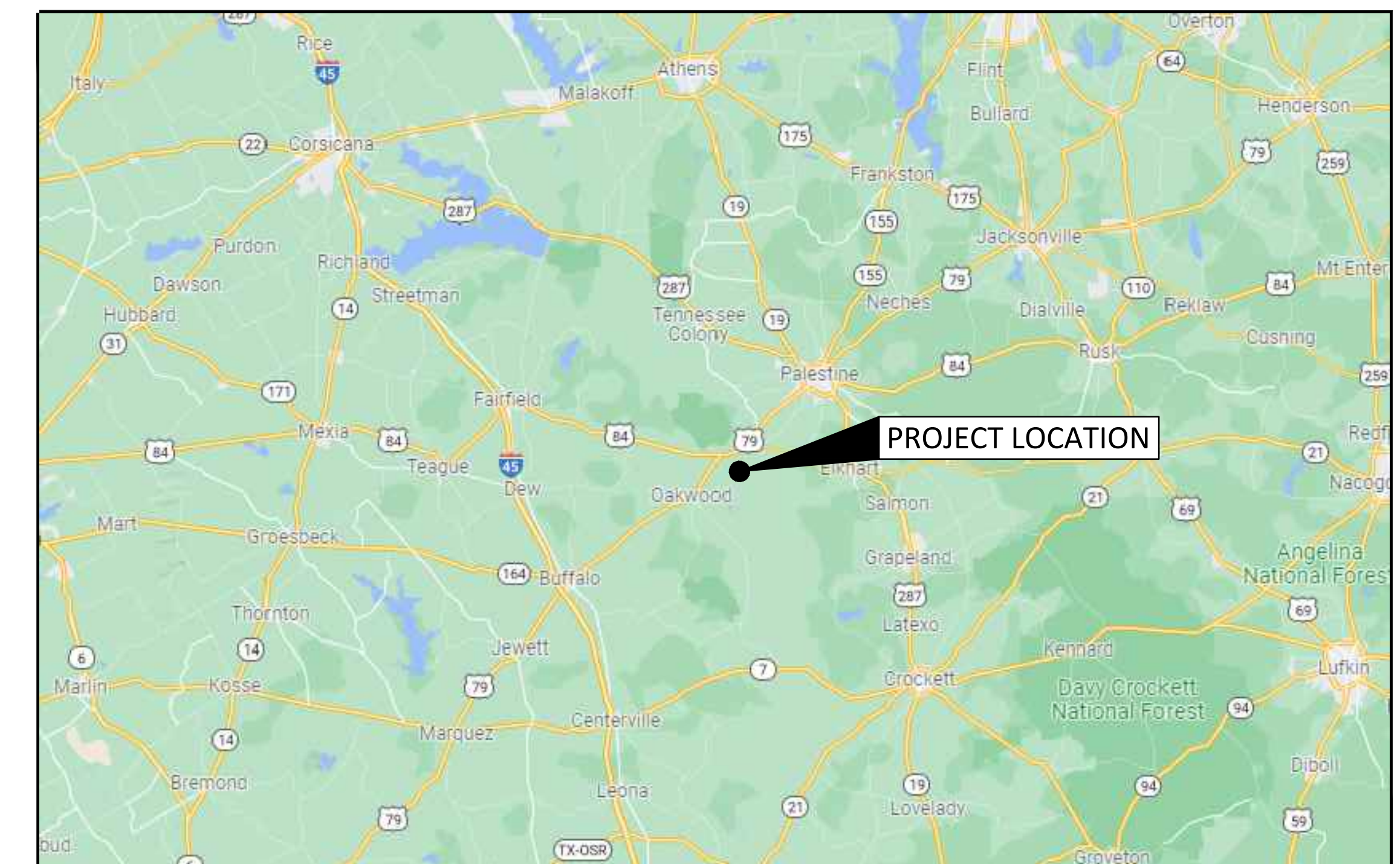
OAKWOOD ISD OAKWOOD HIGH SCHOOL NEW TRACK AND FIELD PROJECT

OAKWOOD, TEXAS

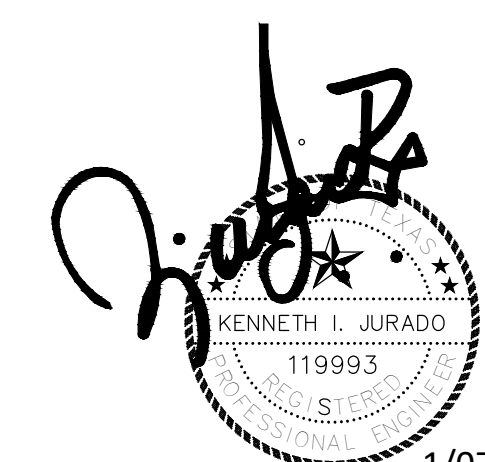
PROJECT No. 2120



VICINITY MAP



LOCATION MAP



G:\My Drive\Projects_2021\21210 - Oakwood ISD Track and Field (Symmetry)\5 - Drawings\Drawgs Last Saved: Friday, January 7, 2022 6:15:21 PM

GENERAL NOTES:

- CONTRACTOR SHALL FIELD VERIFY ALL SIZES, LOCATIONS AND ELEVATIONS NECESSARY TO COMPLETE THE WORK SHOWN ON THE DRAWINGS PRIOR TO SUBMITTING PROPOSAL. FAILURE TO DO SO SHALL NOT RELIEVE THIS CONTRACTOR FROM PERFORMING THE WORK REQUIRED UNDER THIS CONTRACT. CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE OWNER/ENGINEER.
- SOME UTILITIES MAY NOT BE SHOWN ON THE PLANS. FIELD VERIFY AND IDENTIFY LOCATIONS OF PIPING AND ALL UTILITIES NOT NOTED ON THE PLANS. NOTIFY THE OWNER/ENGINEER OF ANY POTENTIAL CONFLICTS PRIOR TO STARTING CONSTRUCTION.
- ALL GENERAL AND SUB-CONTRACTORS MUST VISIT AND INSPECT THE SITE PRIOR TO SUBMITTING A PROPOSAL.
- CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATER, WASTEWATER, STORM WATER LINES, TRAFFIC CONTROL DEVICES AND PAVING. DAMAGES SHALL BE REPAIRED IN ACCORDANCE WITH THE LOCAL GOVERNING ENTITY'S ENGINEERING STANDARD CONSTRUCTION SPECIFICATIONS FOR WASTEWATER COLLECTION SYSTEM, WATER LINES, STORM DRAINAGES, AND STREET PAVING AND STANDARD CONSTRUCTION DETAILS FOR WASTEWATER COLLECTION SYSTEMS, WATER LINES, STORM DRAINAGE, AND STREET PAVING, REFERENCED ABOVE, AT NO ADDITIONAL COST.
- CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE SURVEYOR AND MAKE SURE THE CORRECT BENCHMARK IS USED.
- ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO EXISTING CONDITIONS OR BETTER.
- CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
- CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
- CONTRACTOR SHALL MAINTAIN A SHEET OF REDLINE DRAWINGS RECORDING AS-BUILT CONDITIONS DURING CONSTRUCTION. THESE REDLINES MARKED DRAWINGS WILL BE SUBMITTED TO THE ENGINEER WHO WILL MAKE THE CHANGES ON THE ORIGINAL DRAWINGS. LABELING EACH SHEET IN THE SET AS "RECORD DRAWINGS".
- CONTRACTORS SHALL BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. CONSTRUCTION ACTIVITIES SHALL BE IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
- ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE FEDERAL AMERICAS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).
- AREAS DISTURBED DURING CONSTRUCTION AND NOT RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALK, ETC.) SHALL BE HYDROMULCHED SEE SPEC 32 9213.
- CONTRACTOR SHALL PREVENT DUST, SEDIMENT AND DEBRIS FROM EXITING THE SITE AND SHALL BE RESPONSIBLE FOR CLEANUP, REPAIRS AND CORRECTIVE ACTION IF SUCH OCCURS.
- SAFETY - NEITHER THE OWNER NOR THE ENGINEER OF RECORD WILL BE RESPONSIBLE FOR COMPLIANCE WITH SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, FEDERAL, AND CONTRACTUAL SAFETY AND HEALTH STANDARDS, LAWS, AND REGULATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR KEEPING ANY SCHOOL CHILDREN OUT OF THE WORK AREA.
- STANDARD SPECIFICATIONS - ALL CONSTRUCTION WORK AND INSTALLATION SHALL CONFORM TO THE PROJECT SPECIFICATIONS PROVIDED WITH THE CONTRACT DOCUMENTS AND ANY STANDARD SPECIFICATIONS AS INDICATED ON THESE PLANS.
- INSPECTIONS - THE CONTRACTOR IS RESPONSIBLE FOR ARRANGING FOR REQUIRED INSPECTIONS. THE PRESENCE OR ABSENCE OF AN INSPECTOR WILL NOT RELIEVE THE CONTRACTOR OF FULL RESPONSIBILITY FOR THE PROPER PERFORMANCE OF WORK.
- THE CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVE OR ANY OTHER AGENCY HAVING JURISDICTION FOR ALL ACTIVITIES ASSOCIATED WITH THIS PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH OSHA PERFORMANCE CRITERIA.
- CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS.

SITEWORK GENERAL NOTES:

- PLACE BACKFILL AND FILL SOIL MATERIALS IN LAYERS NOT MORE THAN 8 INCHES IN LOOSE DEPTH. PLACE BACKFILL AND FILL SOIL MATERIALS EVENLY ON ALL SIDES OF STRUCTURES TO REQUIRED ELEVATIONS AND UNIFORMLY ALONG THE FULL LENGTH OF EACH STRUCTURE. COMPACT SOIL MATERIALS TO NOT LESS THAN THE FOLLOWING PERCENTAGES OF MAXIMUM DRY UNIT WEIGHT ACCORDING TO ASTM D698:

A. UNDER STRUCTURES: SCARIFY AND RE COMPACT 12 INCHES OF EXISTING SUBGRADE AND EACH LAYER OF BACKFILL MATERIAL TO 95% SPD.

B. UNDER WALKWAYS: SCARIFY AND RE COMPACT TOP 6 INCHES BELOW SUBGRADE AND COMPACT EACH LAYER OF BACKFILL MATERIAL TO 95% SPD.

C. UNDER TURF OR UNPAVED AREAS: SCARIFY AND RE COMPACT TOP 6 INCHES BELOW SUBGRADE AND COMPACT EACH LAYER OF BACKFILL MATERIAL TO 90% SPD.

D. UTILITY TRENCHES: BACKFILL SHALL BE IN 8 INCH LIFTS, WITH TESTS TAKEN AT 100 FOOT INTERVALS ON EACH LIFT, AND MECHANICALLY COMPACTED TO A DENSITY OF NOT LESS THAN 95% SPD IN PAVED AREAS AND 90% SPD IN UNPAVED AREAS OR AS INDICATED IN THE DRAWINGS.
- SEE SHEET CS 6.03 FOR STABILIZATION REQUIREMENTS UNDER PROPOSED TURF.
- DIMENSIONS IN THE DOCUMENTS SHALL GOVERN.

CIVIL GRADING NOTES:

- CLEAR AND GRUB WITHIN THE GRADING LIMITS SHOWN IN THE CIVIL DRAWINGS. REMOVE STUMPS AND ROOTS 3 INCHES IN DIAMETER AND LARGER AND NONPERISHABLE SOLID OBJECTS A MINIMUM 3 FEET BELOW SUBGRADE OR FINISHED EMBANKMENT.
- STRIP AND STOCKPILE TOPSOIL TO A MINIMUM DEPTH OF 6 INCHES WITHIN THE LIMITS OF EARTHWORK OPERATIONS.
- STRUCTURAL EXCAVATION: EXCAVATE TO INDICATE ELEVATIONS WITHIN A TOLERANCE OF 1 INCH. EXTEND EXCAVATIONS A SUFFICIENT DISTANCE FROM STRUCTURES FOR PLACING AND REMOVING CONCRETE FORM WORK AND FOR INSPECTIONS.

UTILITIES:

- THE LOCATIONS, SIZES AND TYPES OF EXISTING UTILITIES ARE SHOWN AS AN APPROXIMATE REPRESENTATION ONLY. THE OWNER OR ITS REPRESENTATIVE(S) HAVE NOT INDEPENDENTLY VERIFIED THIS INFORMATION AS SHOWN ON THE PLANS. THE UTILITY INFORMATION SHOWN DOES NOT GUARANTEE THE ACTUAL EXISTENCE, SERVICEABILITY, OR OTHER DATE CONCERNING THE UTILITIES, NOR DOES IT GUARANTEE AGAINST THE POSSIBILITY THAT ADDITIONAL UTILITIES MAY BE PRESENT THAT ARE NOT SHOWN IN THE PLANS. PRIOR TO ORDERING MATERIAL AND BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL VERIFY AND DETERMINE THE EXACT LOCATIONS, SIZED AND ELEVATIONS OF THE POINT OF CONNECTIONS TO EXISTING UTILITIES AND SHALL CONFIRM THAT THERE ARE NO INTERFERENCES WITH EXISTING UTILITIES AND PROPOSED UTILITY ROUTES. CONTRACTOR SHALL NOTIFY TEXAS ONE, CALL 811 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION.
- WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, OR EXISTING CONDITIONS DIFFER FROM THOSE SHOWN SUCH THAT THE WORK CANNOT BE COMPLETED AS INTENDED, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR, AND THE INFORMATION FURNISHED IN WRITING TO THE ENGINEER FOR THE RESOLUTION OF THE CONFLICT AND CONTRACTOR'S FAILURE TO NOTIFY PRIOR TO PERFORMING ADDITIONAL WORK RELEASES OWNER FROM OBLIGATIONS FOR ADDITIONAL PAYMENTS WHICH OTHERWISE MAY BE WARRANTED TO RESOLVE THE CONFLICT.

STORM SEWER CONSTRUCTION NOTES:

- STORM SEWERS SHALL BE INSTALLED, BEDDED, AND BACKFILLED ACCORDANCE WITH DRAWINGS AND SPECIFICATIONS.
- ALL SEWER UNDER PROPOSED OR FUTURE PAVEMENT AND TO A POINT ONE (1) FOOT BACK OF ALL PROPOSED OR FUTURE CURBS SHALL BE BACKFILLED WITH 1-1/2 SACK CEMENT/C.Y. STABILIZED SAND TO ONE (1) FOOT OF SUBGRADE. THE REMAINING DEPTH OF TRENCH ALL BE BACKFILLED WITH SUITABLE EARTH MATERIAL.
- ALL DITCHES SHALL BE REGRADED TO PROPOSED ELEVATIONS TO INSURE PROPER DRAINAGE. ALL OUTFALLS SHALL BE PROPERLY BACKFILLED AND COMPACTED. ALL DISTURBED AREA SHALL BE REGRADED, SEEDED, AND FERTILIZED.

SANITARY SEWER NOTES:

- ALL SEWERS SHALL BE TESTED FOR EXCESS DEFLECTION IN PIPE CROSS SECTION, FOR LATERAL AND VERTICAL PIPE OBSTRUCTION, AND FOR JOINT OFFSETS, BY PULLING A MANDREL THROUGH THE PIPE BY HAND. THE MANDREL SHALL HAVE A DIAMETER EQUAL TO 95% OF THE INSIDE DIAMETER OF THE PIPE. THE TEST SHALL BE CONDUCTED AFTER THE FINAL BACKFILLING HAS BEEN IN PLACE AT LEAST 30 DAYS. NO PIPE SHALL EXCEED A DEFLECTION OF 5%. OBSTRUCTIONS ENCOUNTERED SHALL BE REPAIRED AT NO ADDITIONAL COST TO OWNER. MANDREL AND TEST EQUIPMENT SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONDUCTING THE TEST.
- USE BEDDING AND BACKFILL PER DETAILS PROVIDED IN THE CONTRACT DRAWINGS UNLESS FIELD CONDITIONS DICTATE OTHERWISE. CONTRACTOR TO NOTIFY ENGINEER OF WET TRENCH CONDITIONS PRIOR TO LAYING PIPE. USE CEMENT STABILIZED SAND AND BACKFILL TO WITHIN 1 FOOT OF PROPOSED OR EXISTING PAVEMENT SUBGRADE, BEDDING, CEMENT STABILIZED SAND AND/OR BACKFILL SHALL BE CONSIDERED SUBSIDIARY TO THE PAY ITEM FOR PIPE AND SHALL NOT BE PAID FOR DIRECTLY.
- UNLESS OTHERWISE NOTED, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 24 INCHES OF VERTICAL CLEARANCE AND 9 FEET HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER AND WATER LINES. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 12 INCHES OF VERTICAL AND HORIZONTAL CLEARANCE BETWEEN SANITARY SEWER AND STORM SEWER LINES.
- SANITARY SEWER MANHOLE RIMS OUTSIDE OF PROPOSED PAVING WILL BE SET 3" - 6" ABOVE THE SURROUNDING LEVEL FINISHED GRADE AFTER PAVING WITH SLOPED BACKFILL ADDED FOR STORM WATER DRAINAGE AWAY FROM THE MANHOLE RIM PER ASTM F477.
- UNLESS OTHERWISE NOTED, ALL SANITARY SEWERS SHALL BE CONSTRUCTED OF POLYVINYL CHLORIDE PIPE (PVC) SCH 40, CONFORMING TO ASTM D1785, OR APPROVED EQUAL. ALL SANITARY SEWERS SHALL HAVE RUBBER GASKET BELL AND SPIGOT CONNECTIONS.
- UNLESS OTHERWISE NOTED, ALL SANITARY SEWER MANHOLES SHALL BE PRECAST CONCRETE MANHOLES.
- NO CONNECTIONS SHALL BE MADE TO EXISTING SANITARY SEWER LINES UNTIL ALL PROPOSED SEWER LINES HAVE BEEN THOROUGHLY CLEANED, TESTED AND APPROVED BY THE LOCAL GOVERNING ENTITY.
- WHENEVER THE MANHOLE COVERS ARE LOCATED BELOW THE 100 YEAR FLOOD PLAIN ELEVATION THEY SHALL BE GASKETED AND BOLTED AS DESCRIBED IN 317.2. OF THE TEXAS NATURAL RESOURCE CONSERVATION COMMISSION RULES.
- LOW-PRESSURE AIR TEST. THIS TEST SHALL CONFORM TO THE PROCEDURE DESCRIBED IN ASTM C-828, ASTM C-924 OR OTHER APPROPRIATE PROCEDURES. FOR SAFETY REASONS, AIR TESTING OF SECTIONS OF PIPE SHALL BE LIMITED TO LINES LESS THAN 36-INCH AVERAGE INSIDE DIAMETER. LINES 36-INCH AVERAGE INSIDE DIAMETER AND LARGER MAY BE AIR TESTED AT EACH JOINT. THE MAXIMUM TIME ALLOWABLE FOR THE PRESSURE TO DROP FROM 3.5 POUNDS PER SQUARE INCH GAUGE TO 2.5 POUNDS PER SQUARE INCH GAUGE DURING A JOINT TEST, REGARDLESS OF PIPE SIZE, SHALL BE 20 SECONDS. FOR JOINT TEST, REGARDLESS OF PIPE SIZE, SHALL BE 20 SECONDS. FOR JOINT TEST, REGARDLESS OF PIPE SIZE, SHALL BE 20 SECONDS. FOR SECTION OF PIPE LESS THAN 36-INCH AVERAGE INSIDE DIAMETER, THE MINIMUM TIME ALLOWABLE FOR THE PRESSURE TO DROP FROM 3.5 POUNDS PER SQUARE INCH GAUGE TO 2.5 POUNDS PER SQUARE INCH GAUGE SHALL BE COMPUTED BY THE FOLLOWING EQUATIONS:

$$T = 0.0850(D)(K)/(Q)$$
$$\text{WHERE } T = \text{TIME FOR PRESSURE TO DROP 1.0 POUNDS PER SQUARE INCH GAUGE IN SECONDS}$$
$$K = 0.000419(D)(L), \text{ BUT NOT LESS THAN 1.0}$$
$$D = \text{AVERAGE INSIDE DIAMETER IN INCHES}$$
$$L = \text{LENGTH OF LINE OF SAME PIPE SIZE IN FEET}$$
$$Q = \text{RATE OF LOSS, ASSUME 0.0015 CU FT/MIN/SQ FT INTERNAL SURFACE}$$
- SDR-26 PVC PIPE TO USE "FULL BODIED" SDR-26 FITTINGS.
- ALL PVC PIPE TO HAVE CELL CLASS 12454 A OR B AS PER ASTM D1784.
- NO MORE THAN 2 HOURS SHALL ELAPSE BETWEEN MIXING AND PLACEMENT OF CEMENT STABILIZED SAND.
- ALL BACKFILL SHALL BE COMPACTED TO A MINIMUM 95% SPD, ±2% OF OPTIMUM MOISTURE CONTENT, IN MAXIMUM 8-INCH LIFTS.

SWPPP CONSTRUCTION NOTES:

- CONTRACTOR SHALL IMPLEMENT INLET PROTECTION DEVICES AND REINFORCED FILTER FABRIC BARRIER ALONG THE ROAD AND SIDE DITCHES AT LOCATIONS SHOWN ON THE TYPICAL STORM WATER POLLUTION PREVENTION (SWPPP) PLANS TO KEEP SILT AND/OR EXCAVATIONS FROM ENTERING INTO THE STORM WATER INLETS AND DITCHES EVENTUALLY POLLUTING THE RECEIVING STORM SEWER.
- DURING THE EXCAVATION PHASE OF THE PROJECT CONTRACTOR SHALL SCHEDULE THE WORK IN SHORT SEGMENTS SO THAT EXCAVATED MATERIAL CAN BE QUICKLY HAULED AWAY FROM THE SITE AND TO PREVENT IT FROM STAYING UNCOLLECTED ON THE EXISTING PAVEMENT. ANY LOOSE EXCAVATED MATERIAL WHICH FALLS ON PAVEMENTS OR DRIVEWAYS SHALL BE SWEEPED BACK INTO THE EXCAVATED AREA.
- CONTRACTOR SHALL CLEAN UP THE EXISTING STREET INTERSECTIONS AND DRIVEWAYS DAILY, AS NECESSARY TO REMOVE ANY EXCESS MUD, SILT OR ROCK, TRACKED FROM THE EXCAVATED AREA.
- CONTRACTOR SHALL FOLLOW GOOD HOUSE KEEPING PRACTICES DURING THE CONSTRUCTION PHASE OF THE PROJECT ALWAYS CLEANING UP DIRT AND LOOSE MATERIAL AS CONSTRUCTION PROGRESSES.
- CONTRACTOR IS TO INSPECT AND MAINTAIN THE AREAS LISTED BELOW DAILY:

A. DISTURBED AREAS OF THE CONSTRUCTION SITE THAT HAVE NOT BEEN FINALLY STABILIZED.

B. AREAS USED FOR STORAGE THAT ARE EXPOSED TO PRECIPITATION.

C. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE.

AT&T TEXAS/SBC FACILITIES:

- THE LOCATIONS OF AT&T TEXAS/SBC FACILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY THIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND UTILITIES.
- THE CONTRACTOR SHALL CALL 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE UNDERGROUND LINES FIELD LOCATED.
- WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF AT&T TEXAS/SBC FACILITIES, ALL EXCAVATIONS MUST BE ACCOMPLISHED USING NON-MECHANICAL EXCAVATION PROCEDURES. WHEN BORING THE CONTRACTOR SHALL EXPOSE THE AT&T TEXAS/SBC FACILITIES.
- WHEN AT&T TEXAS/SBC FACILITIES ARE EXPOSED, THE CONTRACTOR WILL PROVIDE SUPPORT TO PREVENT DAMAGE TO THE CONDUIT DUCTS OR CABLES. WHEN EXCAVATING NEAR TELEPHONE POLES CONTRACTOR SHALL BRACE THE POLE FOR SUPPORT.
- THE PRESENCE OR ABSENCE OF AT&T TEXAS/SBC UNDERGROUND CONDUIT FACILITIES OR BURIED CABLE FACILITIES SHOWN ON THESE PLANS DOES NOT MEAN THAT THERE ARE NO DIRECT BURY CABLES OR OTHER CABLES IN THE AREA.
- PLEASE CONTACT THE AT&T TEXAS DAMAGE PREVENTION MANAGER DEPARTMENT AT (713)456-4552, IF THERE ARE QUESTIONS ABOUT BORING OR EXCAVATING NEAR AT&T TEXAS/SWB FACILITIES.

WARNING: OVERHEAD ELECTRICAL LINES:

- OVERHEAD LINES MAY EXIST ON THE PROPERTY. THE LOCATION OF OVERHEAD LINES HAS NOT BEEN SHOWN ON THESE DRAWINGS AS THE LINES ARE CLEARLY VISIBLE, BUT YOU SHOULD LOCATE THEM PRIOR TO BEGINNING ANY CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE FORBIDS ACTIVITIES THAT OCCUR IN CLOSE PROXIMITY TO HIGH VOLTAGE LINES, SPECIFICALLY:

• ANY ACTIVITY WHERE PERSON OR THINGS MAY COME WITHIN SIX (6) FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES; AND

• OPERATING A CRANE, DERRICK, POWER SHOVEL, DRILLING RIG, PILE DRIVER, HOISTING EQUIPMENT, OR SIMILAR APPARATUS WITHIN 10 FEET OF LIVE OVERHEAD HIGH VOLTAGE LINES.
- PARTIES RESPONSIBLE FOR THE WORK, INCLUDING CONTRACTORS, ARE LEGALLY RESPONSIBLE FOR THE SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR REMOVED CALL CENTERPOINT ENERGY AT (713) 207-2222. ACTIVITIES ON OR ACROSS CENTERPOINT ENERGY FEE OR EASEMENT PROPERTY NO APPROVAL TO USE, CROSS OR OCCUPY CENTERPOINT FEE OR EASEMENT PROPERTY IS GIVEN. IF YOU NEED TO USE CENTERPOINT PROPERTY, PLEASE CONTACT OUR SURVEYING & RIGHT OF WAY DIVISION AT (713) 207-6248 OR (713) 207-5769.

CENTERPOINT ENERGY:

CAUTION: UNDERGROUND GAS FACILITIES:

- LOCATIONS OF CENTERPOINT ENERGY MAIN LINES (TO INCLUDE CENTERPOINT ENERGY, INTRASTATE PIPELINE, LLC. WHERE APPLICABLE) ARE SHOWN IN AN APPROXIMATE LOCATION ONLY. SERVICE LINES ARE USUALLY NOT SHOWN. OUR SIGNATURE ON THESE PLANS ONLY INDICATES THAT OUR FACILITIES ARE SHOWN IN APPROXIMATE LOCATION. IT DOES NOT IMPLY THAT A CONFLICT ANALYSIS HAS BEEN MADE. THE CONTRACTOR SHALL CONTACT THE UTILITY COORDINATING COMMITTEE AT (713) 223-4567 OR 1-800-669-8344 OR 811 A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION TO HAVE MAIN AND SERVICE LINES FIELD LOCATED.

• WHEN CENTERPOINT ENERGY PIPE LINE MARKINGS ARE NOT VISIBLE, CALL (713) 945-8036 OR (713) 945-8037 (7:00 A.M. TO 4:30 P.M.) FOR STATUS OF LINE LOCATION REQUEST BEFORE EXCAVATION BEGINS.

• WHEN EXCAVATING WITHIN EIGHTEEN INCHES (18") OF THE INDICATED LOCATION OF CENTERPOINT ENERGY FACILITIES, ALL EXCAVATION MUST BE ACCOMPLISHED USING NON-MECHANIZED EXCAVATION PROCEDURES.

• WHEN CENTERPOINT ENERGY FACILITIES ARE EXPOSED, SUFFICIENT SUPPORT MUST BE PROVIDED TO THE FACILITIES TO PREVENT EXCESSIVE STRESS ON THE PIPING.

• FOR EMERGENCIES REGARDING GAS LINES CALL (713) 659-3522 OR (713) 207-4200.

• THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY DAMAGES CAUSED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE THESE UNDERGROUND FACILITIES.

TRAFFIC NOTES:

- CONTRACTOR SHALL PROVIDE AND INSTALL TRAFFIC CONTROL DEVICES IN CONFORMANCE WITH PART VI OF THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TEXAS MUTCD, MOST RECENT EDITION WITH REVISIONS) DURING CONSTRUCTION.
- ALL TRAFFIC CLOSURES SHALL BE SCHEDULED IN ACCORDANCE WITH THE LOCAL GOVERNING ENTITIES APPROPRIATE HOURS.
- NO LANES ON MAJOR THOROUGHFARES MAY BE BLOCKED FROM 6:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM UNLESS APPROVED BY THE LOCAL GOVERNING ENTITY.
- NO TRAFFIC LANES SHALL BE CLOSED IN ALL RESIDENTIAL AREAS FROM 7:00 PM TO 7:00 AM.
- CONTRACTOR SHALL MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS.
- CONTRACTOR SHALL COVER OPEN EXCAVATIONS WITH STEEL PLATES ANCHORED PROPERLY DURING NON-WORKING HOURS AND OPEN THE LANES FOR NORMAL TRAFFIC FLOW.
- OFF-DUTY UNIFORMED POLICE OFFICER(S)/FLAGGER(S) ARE REQUIRED TO DIRECT TRAFFIC WHEN THE LANES ARE BLOCKED.
- IN THE EVENT THAT NO "TRAFFIC CONTROL PLANS" EXIST AS PART OF CONTRACT DRAWINGS. CONTRACT MAY PREPARE PLANS AND SUBMIT TO THE LOCAL GOVERNING ENTITY FOR APPROVAL TEN DAYS PRIOR TO IMPLEMENTATION.
- IF THE CONTRACTOR CHOOSES TO USE A DIFFERENT METHOD OF "TRAFFIC CONTROL PLANS" DURING THE CONSTRUCTION THAN WHAT IS OUTLINED IN THE CONTRACT DRAWINGS. HE/SHE SHALL BE RESPONSIBLE FOR PREPARING AND SUBMITTING AN ALTERNATE SET OF PLANS* TO THE LOCAL GOVERNING ENTITY FOR APPROVAL TEN WORKING DAYS PRIOR TO IMPLEMENTATION.
- APPROVED COPIES OF THE TRAFFIC CONTROL PLANS AND REQUIRED PERMITS SHALL BE MADE AVAILABLE FOR INSPECTION AT THE JOB SITE AT ALL TIMES. CONTRACTORS MUST SECURE REQUIRED PERMITS FROM THE LOCAL GOVERNING ENTITY'S TRAFFIC MANAGEMENT AND MAINTENANCE BRANCH BEFORE CLOSING A LANE/SIDEWALK. THE REQUEST MUST BE MADE AT LEAST 10 DAYS IN ADVANCE OF THE CLOSURE. NOTE THAT WORKING HOURS MAY BE RESTRICTED OR THE REQUEST MAY BE DENIED.

• THESE PLANS SHALL BE DRAWN TO SCALE ON REPRODUCIBLE MYLAR AND SEALED BY A LICENSED ENGINEER IN THE STATE OF TEXAS. PLANS WILL BECOME PART OF THE CONTRACT DRAWINGS.

DRAWINGS INDEX

CIVIL DRAWINGS		
DRAWING NO.	REV NO.	DRAWING TITLE
CS 0.00	0	COVER SHEET
CS 0.01	0	GENERAL NOTES AND DRAWING INDEX
CS 0.02	0	SURVEY FOR REFERENCE ONLY
CS 0.03	0	PLAT OF SURVEY FOR REFERENCE ONLY
CS 0.04	0	DEMOLITION PLAN
CS 1.00	0	OVERALL SITE PLAN
CS 1.01	0	SITE PLAN
CS 1.02	0	DIMENSIONS AND CONTROL PLAN
CS 1.03	0	PERIMETER FENCE LAYOUT
CS 2.00	0	OVERALL DRAINAGE PLAN
CS 2.01	0	DRAINAGE PLAN 1 OF 2
CS 2.02	0	DRAINAGE PLAN 2 OF 2
CS 3.00	0	OVERALL GRADING PLAN
CS 3.01	0	GRADING PLAN
CS 4.01	0	SWPP PLAN
CS 5.01	0	IRRIGATION PLAN
CS 5.02	0	HYDROMULCH AND SODDING PLAN
CS 6.01	0	SPORTS FIELD DETAILS
CS 6.02	0	SPORTS FIELD DETAILS
CS 6.03	0	TRACK AND FIELD DETAILS
CS 6.04	0	SHOT PUT DETAILS
CS 6.05	0	DISCUS DETAILS
CS 6.06	0	POLE VAULT DETAILS
CS 6.07	0	MISCELLANEOUS DETAILS

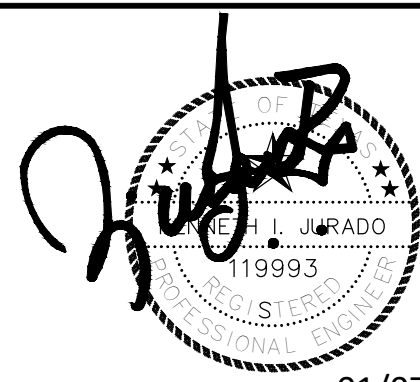


ISSUED FOR
JANUARY 07, 2022
BID ONLY



REVISION		
No.	DATE	DESCRIPTION

OAKWOOD ISD
OAKWOOD HIGH SCHOOL
NEW TRACK AND FIELD PROJECT
OAKWOOD, TEXAS



01/07/2022

TSCE PROJECT No:	2120
CLIENT NAME:	OAKWOOD ISD
DRAWN BY:	B. SEDA
CHECKED BY:	K. JURADO
DATE:	SEPTEMBER 08, 2021
DRAWING SCALE:	N.T.S

GENERAL NOTES
AND DRAWING INDEX

CS 0.01

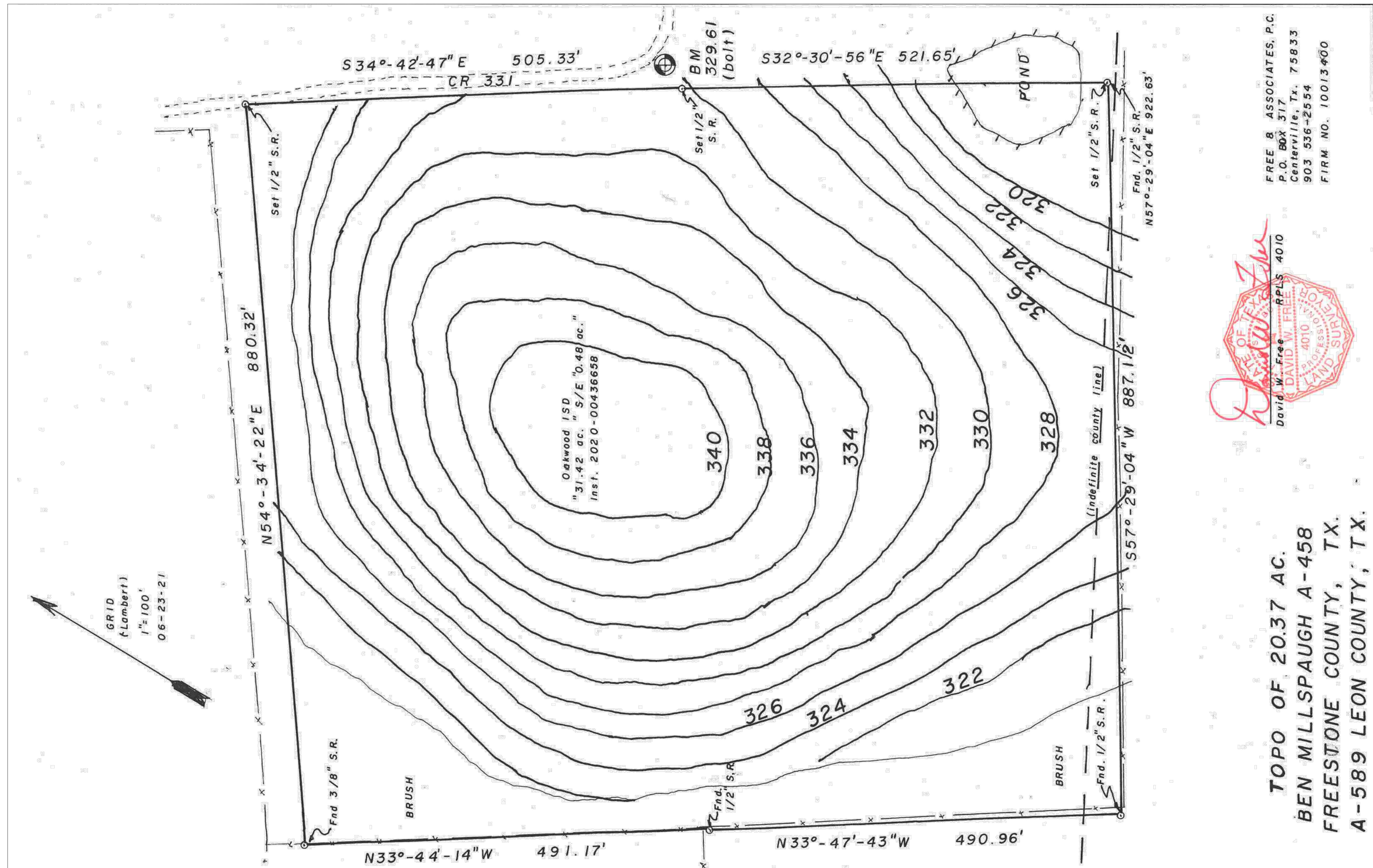
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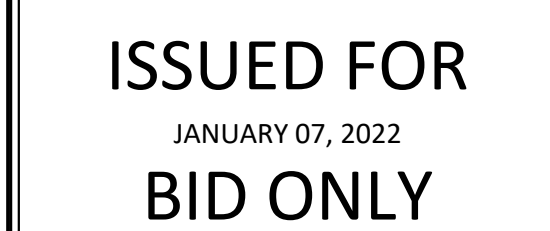
ISSUED FOR
JANUARY 07, 2022
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SURVEY
REFERENCE ONLY

CS 0.02



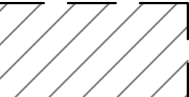
Dudley Brewer



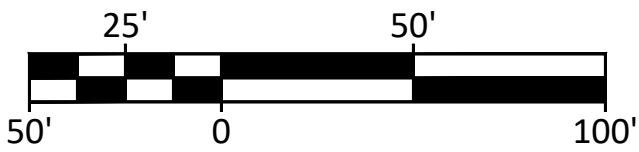
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- NOTES:**
- ALL DEMOLITION ITEMS INCLUDING ALL SOILS TO BE HAULED OFF OF SITE OR AS DIRECTED BY CLIENT.
 - IF ANY DAMAGE IS DONE TO ANY AREA NOT ON SCOPE OF WORK IT SHALL BE THE CONTRACTOR'S DUTY TO FIX IT AT ITS OWN EXPENSE.
 - CONTRACTOR SHALL HAVE EXTREME CAUTION WHEN DOING WORK AROUND EXISTING STRUCTURES.
 - CONTRACTOR SHALL MAINTAIN ALL PUBLIC STREET AND RIGHT OF WAY FREE OF DEBRIS, SILT AND SOILS AT ALL TIMES.
 - ALL WASTED SPILLED FROM TRUCKS SHALL BE REMOVED IMMEDIATELY AND NOT WASHED INTO STORM SEWER SYSTEM.
 - INLET PROTECTION WILL BE REQUIRED AT INLETS DOWNSTREAM OF THE WORK.
 - SEE SITE PLAN TO VERIFY LIMITS OF DEMOLITION.

- LEGEND:**
-  STRIP AND REMOVAL OF MATERIALS
 -  REMOVAL AND DISPOSAL OF ITEMS

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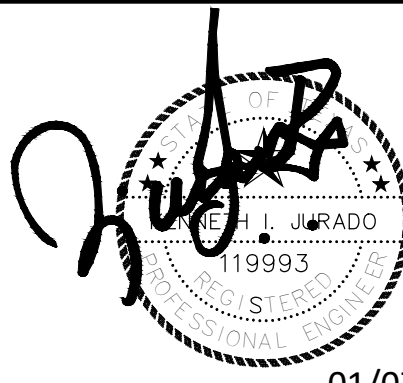


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OAKWOOD ISD
OAKWOOD HIGH SCHOOL
NEW TRACK AND FIELD PROJECT
OAKWOOD, TEXAS



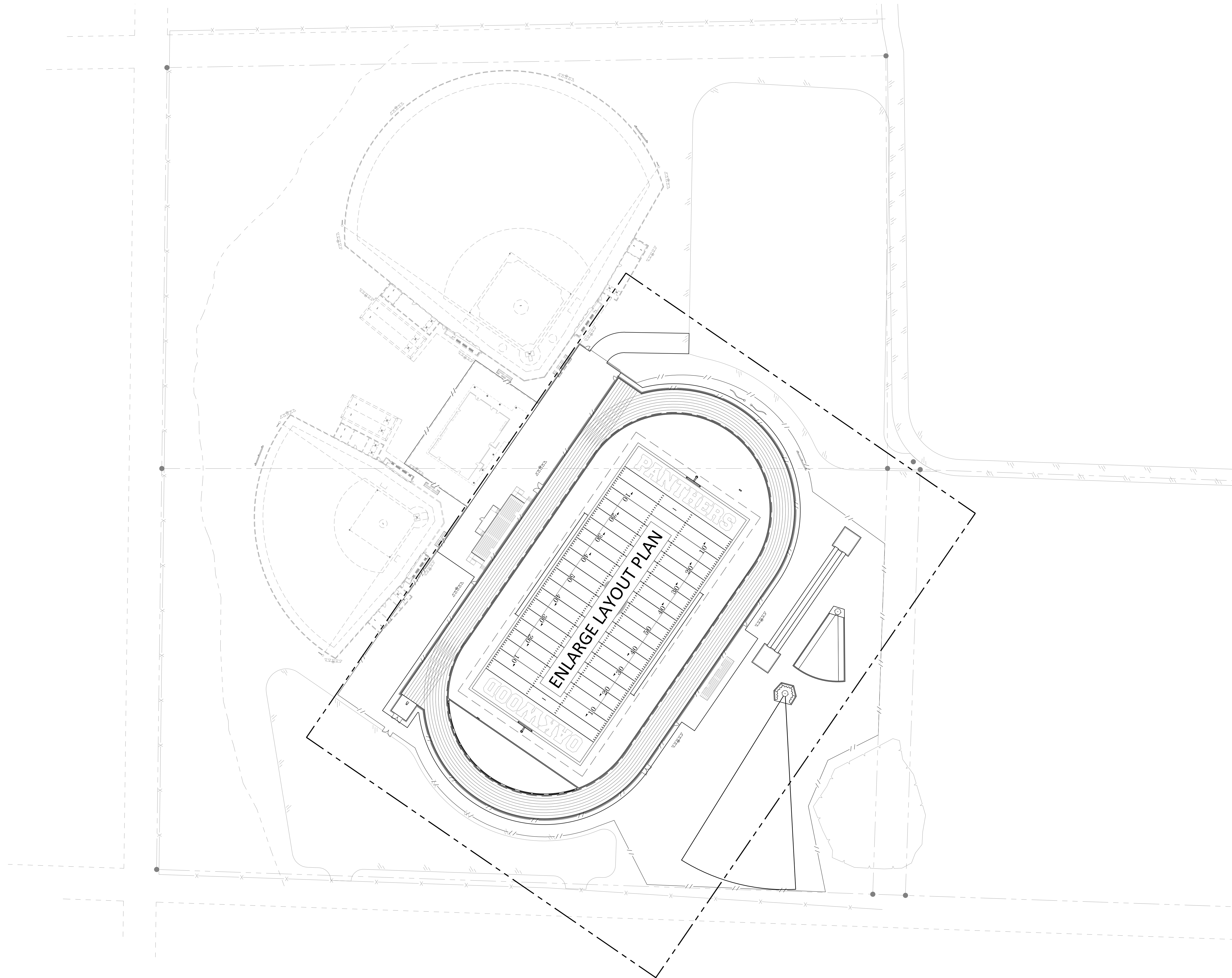
01/07/2022

TSCE PROJECT No:	2120
CLIENT NAME:	OAKWOOD ISD
DRAWN BY:	B. SEDA
CHECKED BY:	K. JURADO
DATE:	SEPTEMBER 08, 2021
DRAWING SCALE:	1" = 50'

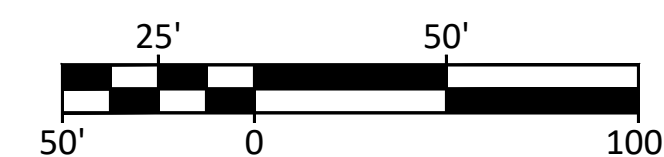
DEMOLITION PLAN

CS 0.04

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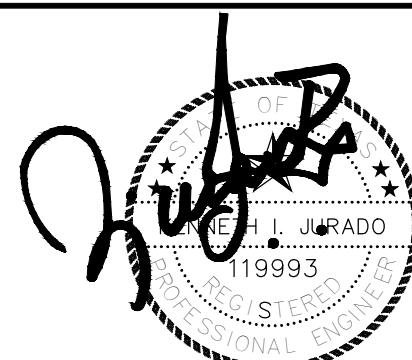


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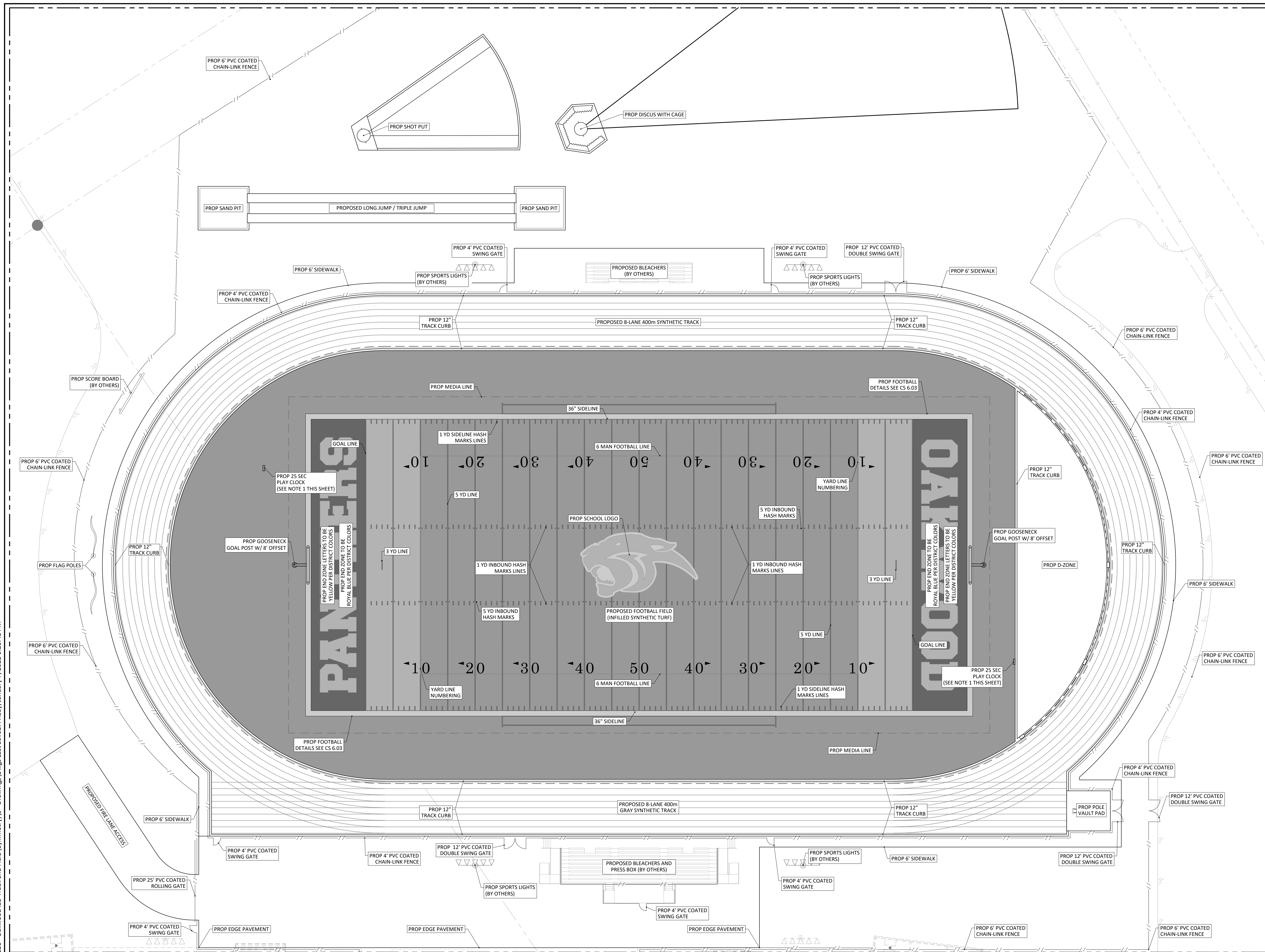


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OVERALL SITE PLAN

CS 1.00



NOTES:

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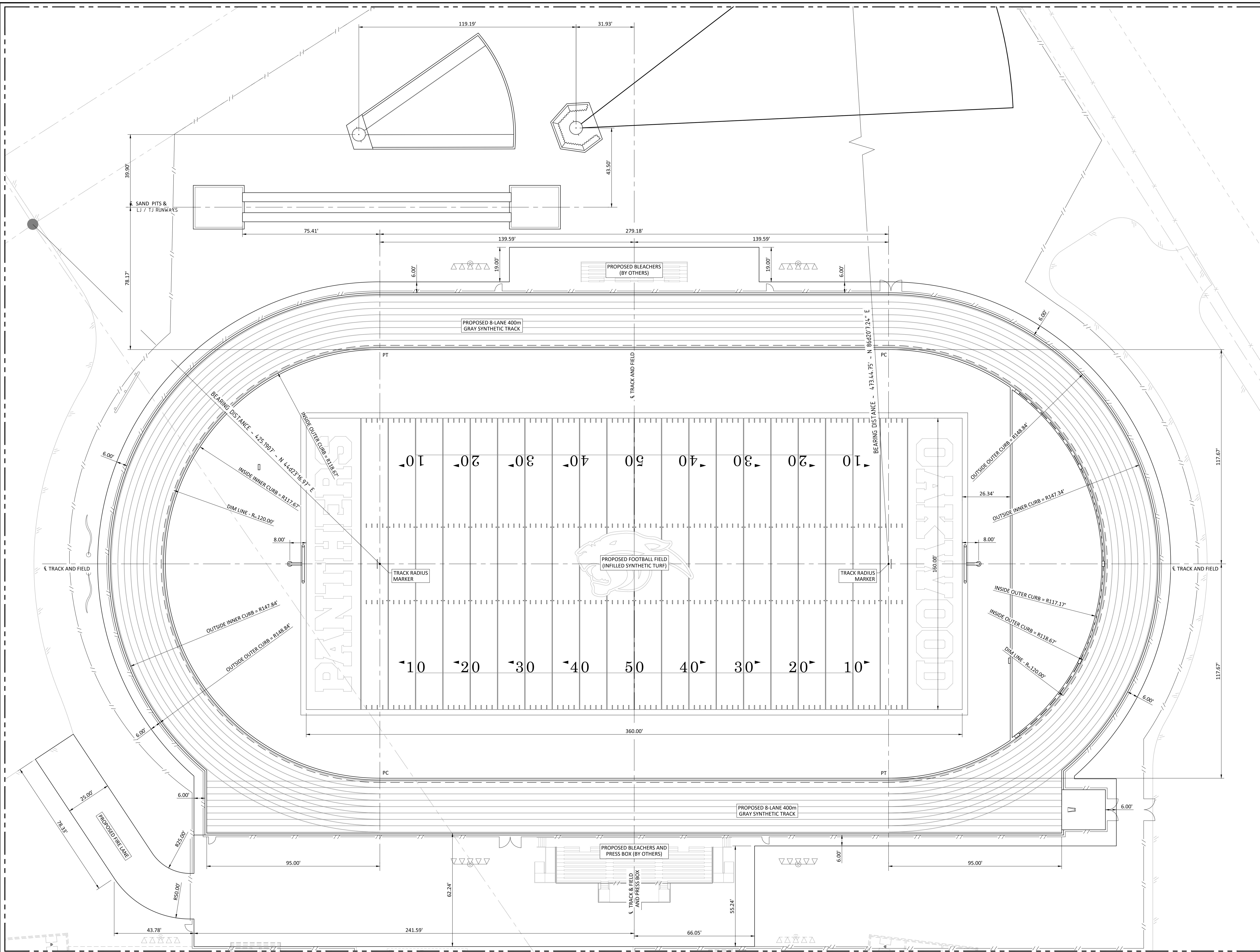


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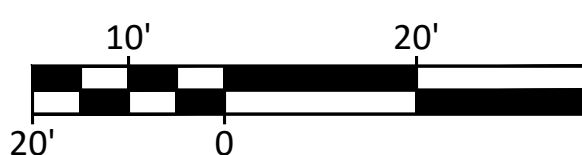
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CS 1.01

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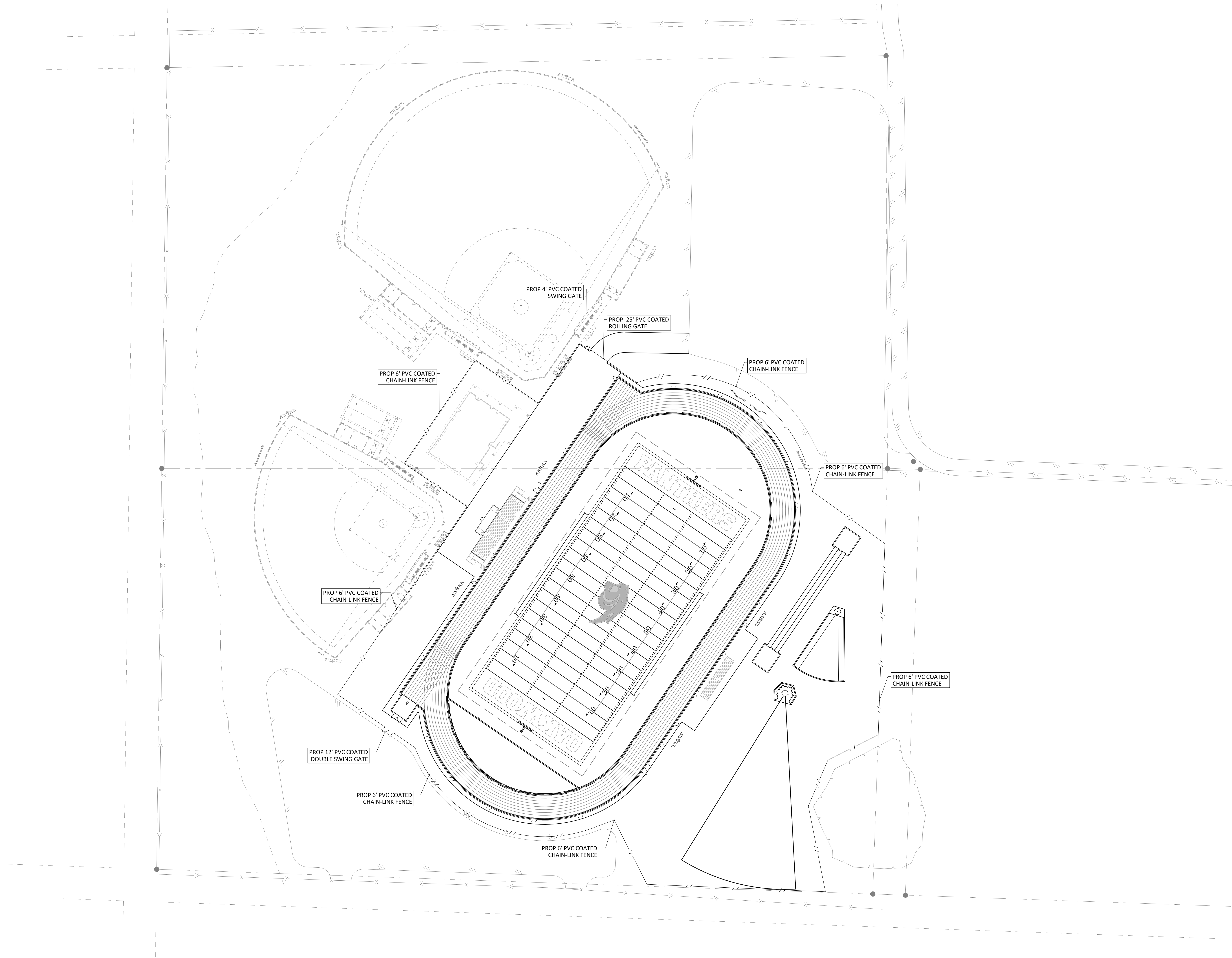


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CLIENT NAME:	OAKWOOD ISD
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DIMENSIONS AND
CONTROL PLAN

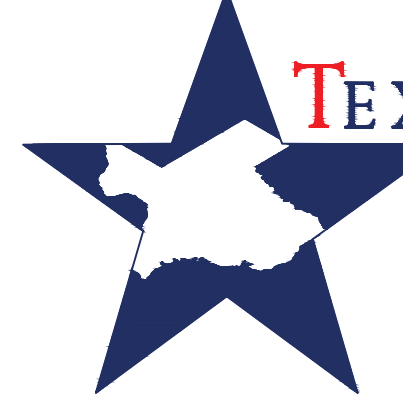
CS 1.02

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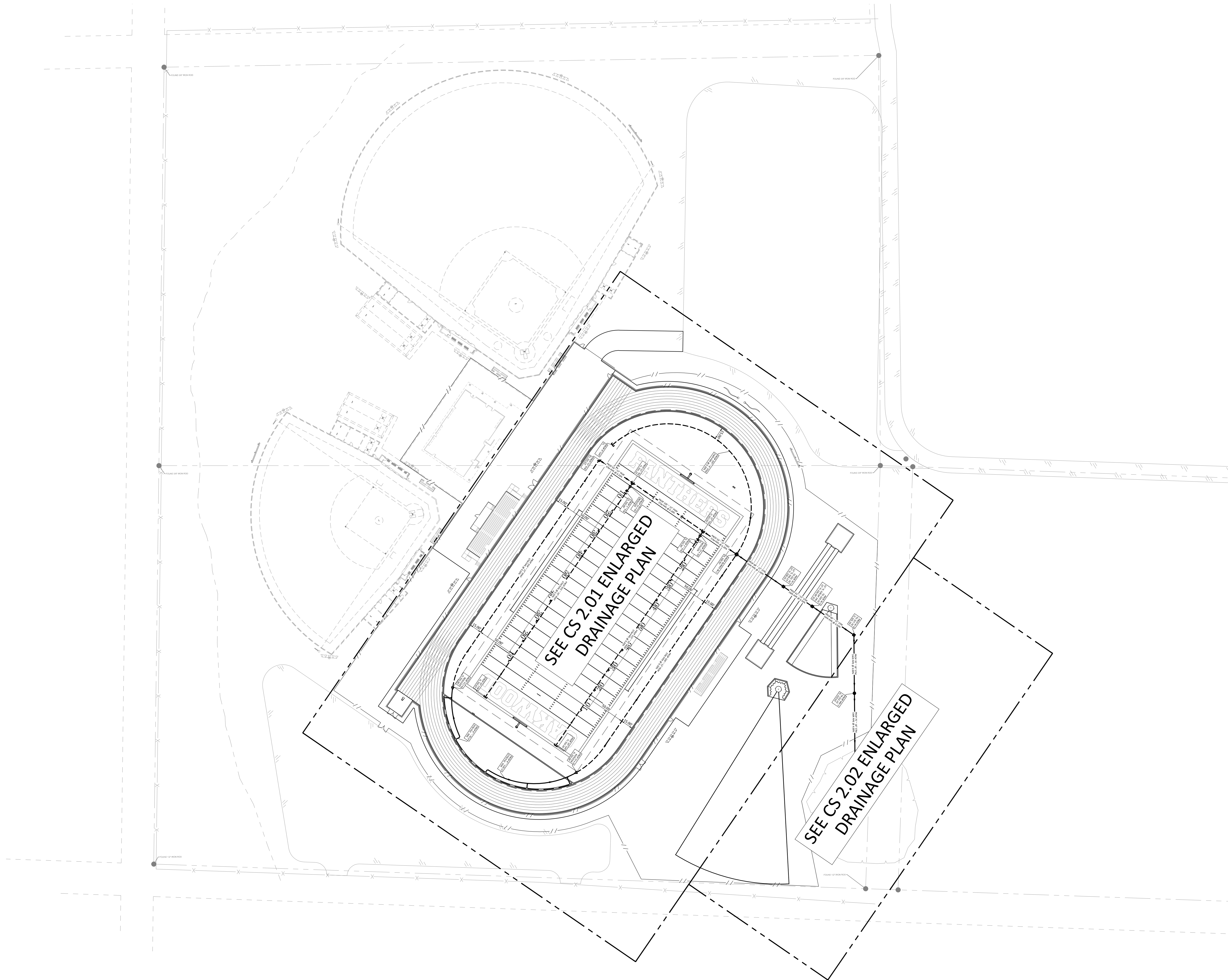
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PERIMETER
FENCE LAYOUT

CS 1.03

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NOTE:
1. SEE SHEET CS 6.01 FOR DRAINAGE DETAILS.

- LEGEND:
- FL XX.XX' FLOW LINE
 - TR XX.XX' TOP OF RIM
 - TG XX.XX' TOP OF GRATE
 - MANHOLE (MH-X)
 - BURIED JUNCTION BOX (JB-X)
 - AREA INLET (AI-X)
 - SWALE
 - 90° ELB
 - TEE
 - REDUCER
 - FLOW ARROW
 - 2-ELBOWS
 - SWALE
 - STM SWR LINE
 - STM SWR PERF

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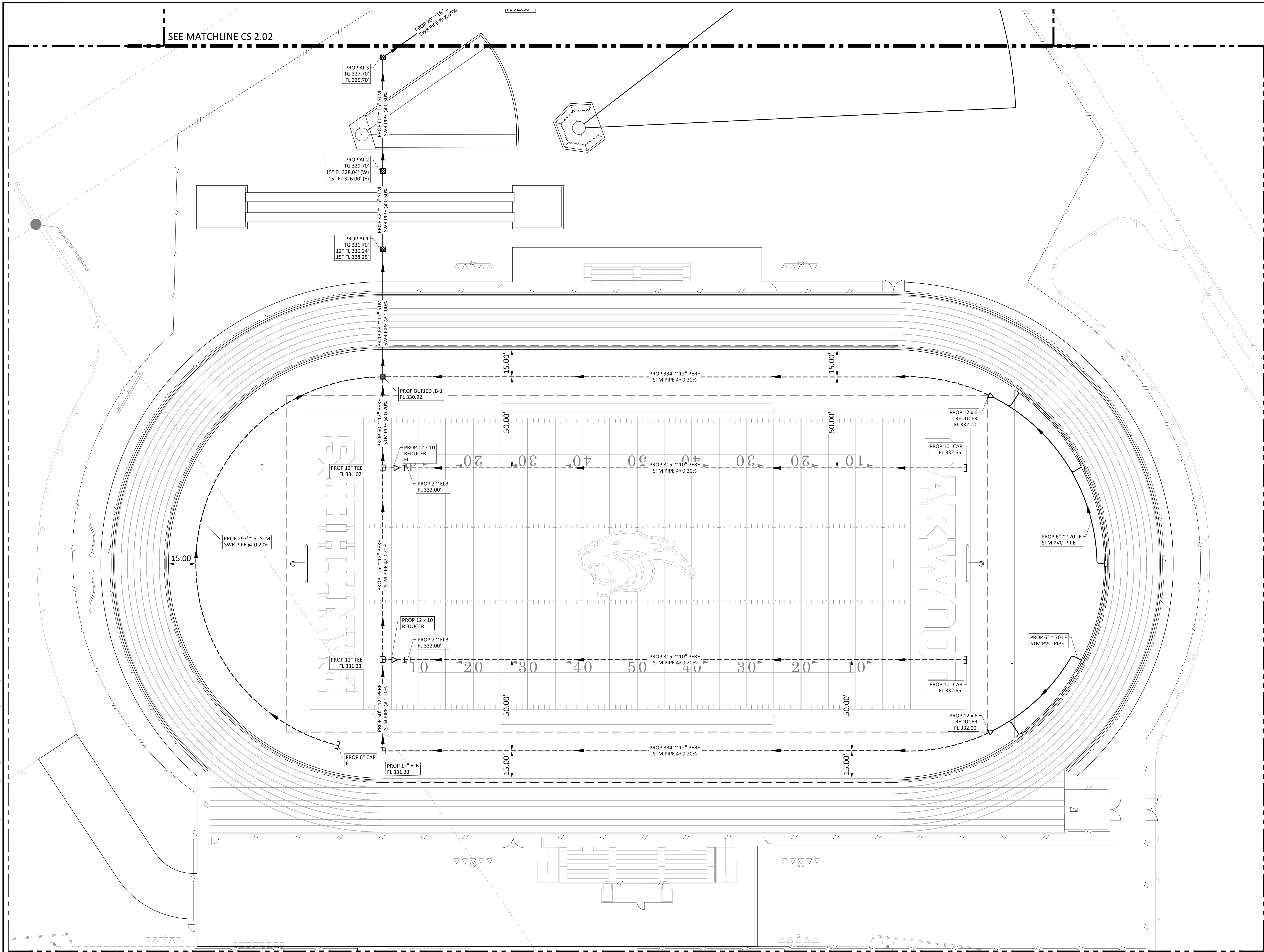
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OVERALL DRAINAGE PLAN

CS 2.00

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NOTE:
1. SEE SHEET CS 5.01 FOR DRAINAGE DETAILS.

- LEGEND:
- FL XX.XX' FLOW LINE
 - TR XX.XX' TOP OF RIM
 - TG XX.XX' TOP OF GRATE
 - MANHOLE (MH-X)
 - BURIED JUNCTION BOX (JB-X)
 - AREA INLET (AI-X)
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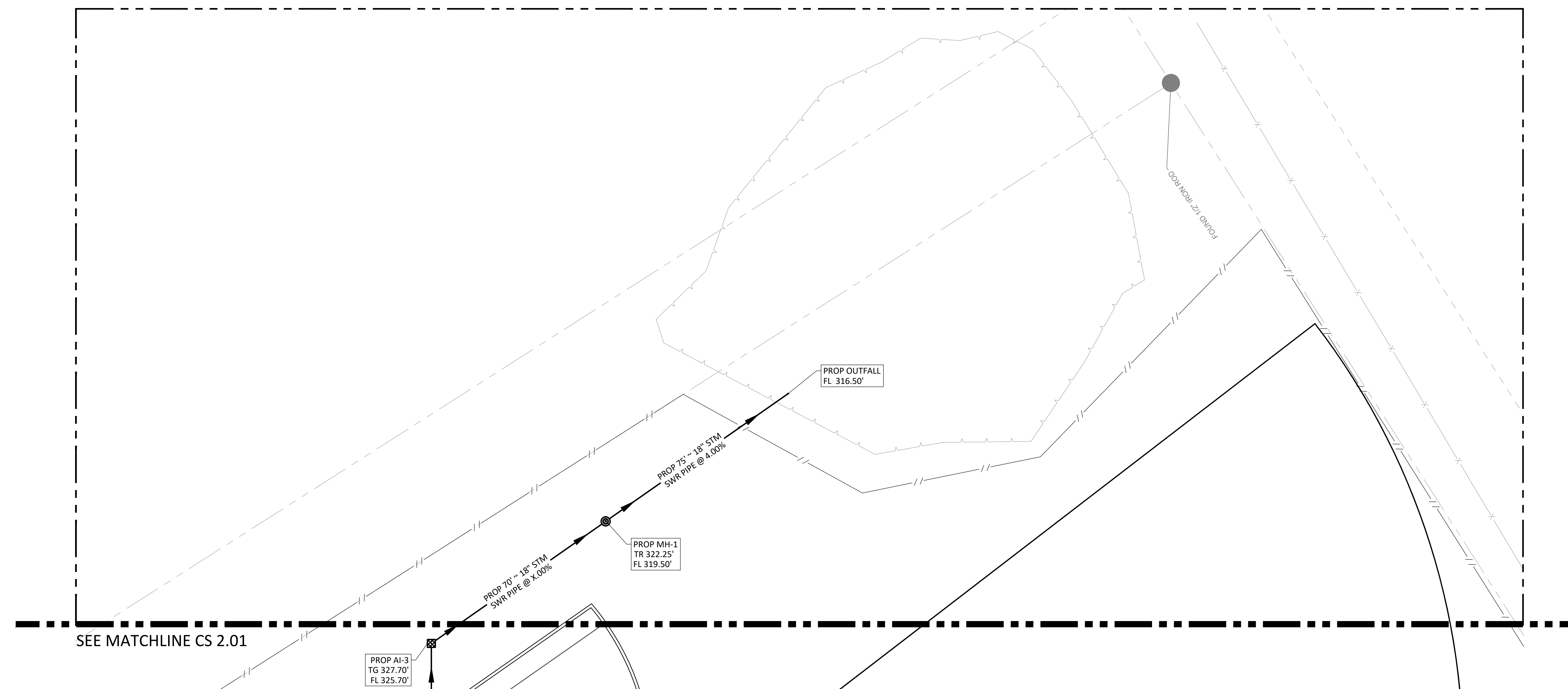


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DRAWING SCALE:	1" = 20'

DRAINAGE PLAN
1 OF 2

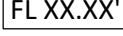
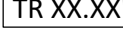
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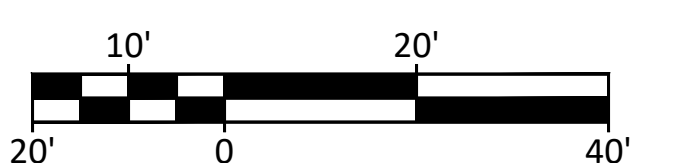
NOTE:

1. SEE SHEET CS 6.01 FOR DRAINAGE DETAILS.

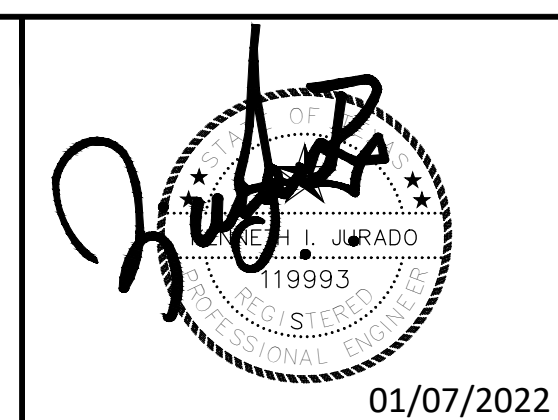
LEGEND:

	FLOW LINE
	TOP OF RIM
	TOP OF GRATE
	MANHOLE (MH-X)
	BURIED JUNCTION BOX (JB-X)
	AREA INLET (AI-X)
	SWALE
	90° ELB
	TEE
	REDUCER
	FLOW ARROW
	2-ELBOWS
	SWALE
	STM SWR LINE
	STM SWR PERF

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DRAINAGE PLAN
2 OF 2

CS 2.02

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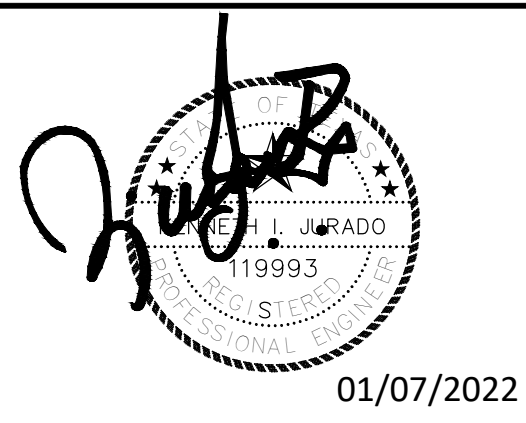


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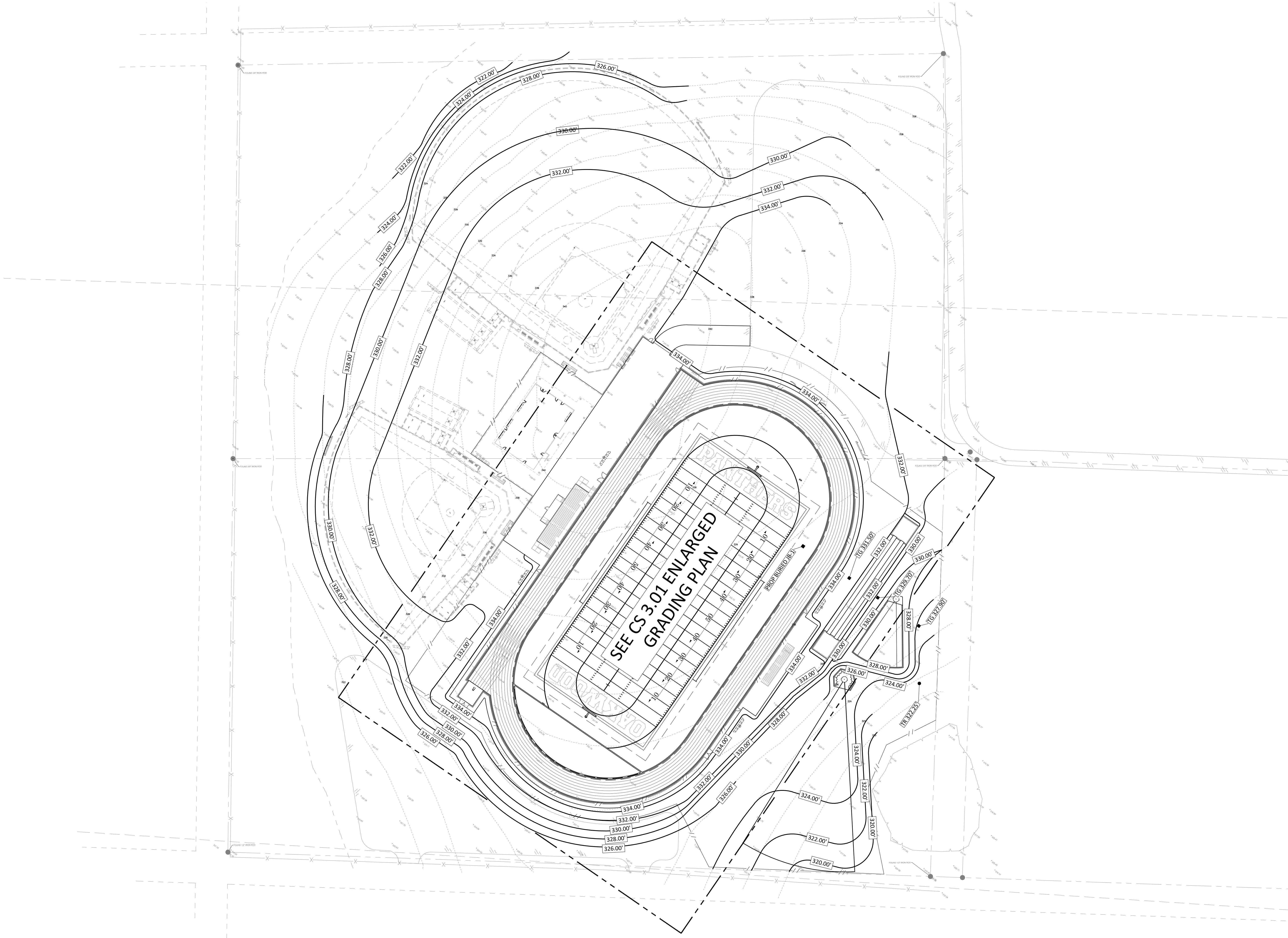
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CHECKED BY:	K. JURADO
DATE:	SEPTEMBER 08, 2021
DRAWING SCALE:	1" = 50'

OVERALL GRADING PLAN

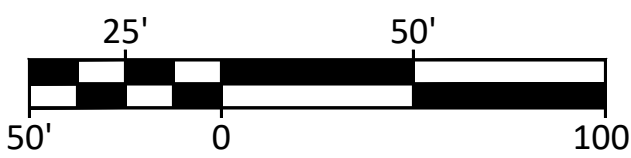
CS 3.00



- NOTES:
- CONTRACTOR TO CONTACT ENGINEER IF THE ELEVATION SHOWN ON THIS DOCUMENT DIFFERS FROM WHAT'S ON SITE.

- LEGEND:
- TC XX.XX' TOP OF CURB
 - FL XX.XX' FLOW LINE
 - TP XX.XX' TOP OF PAVEMENT
 - FG XX.XX' FINISH GRADE
 - FS XX.XX' FINISH SUBGRADE
 - TR XX.XX' TOP OF RIM
 - TG XX.XX' TOP OF GRATE
 - MANHOLE (MH-X)
 - BURIED JUNCTION BOX (JB-X)
 - AREA INLET (AI-X)
 - INLINE DRAIN (ID-X)
 - 90° ELB
 - TEE
 - REDUCER
 - FLOW ARROW
 - 2-ELBOWS
 - SWALE

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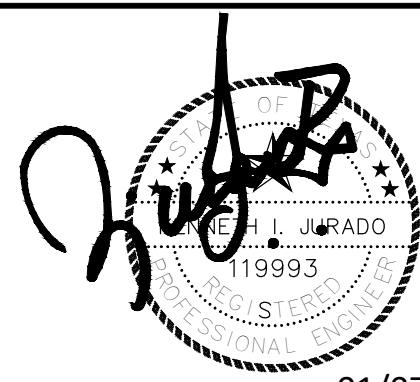


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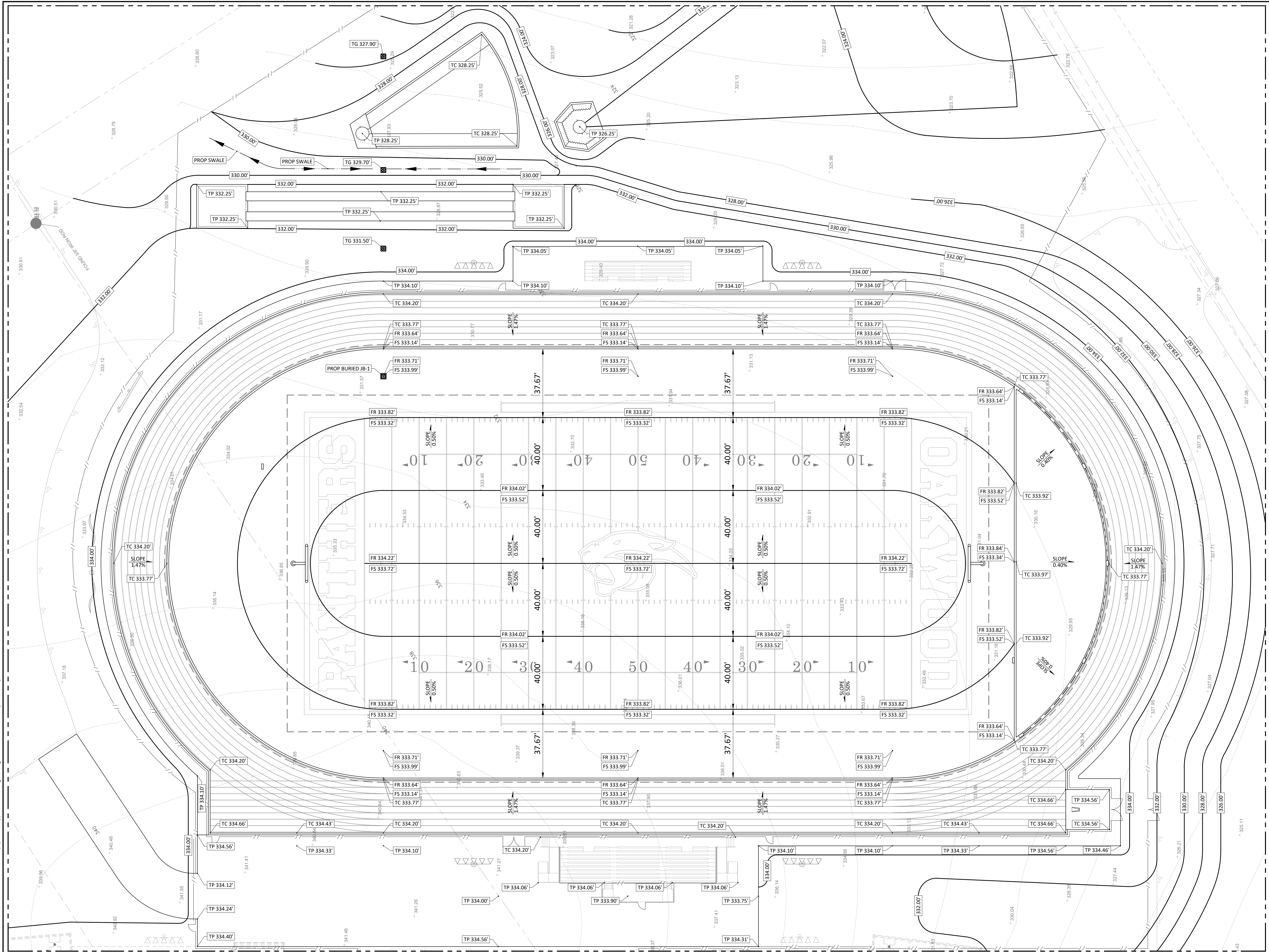
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OAKWOOD, TEXAS



TSCE PROJECT No:	2120
CLIENT NAME:	OAKWOOD ISD
DRAWN BY:	B. SEDA
CHECKED BY:	K. JURADO
DATE:	SEPTEMBER 08, 2021
DRAWING SCALE:	1" = 20'

GRADING PLAN

CS 3.01



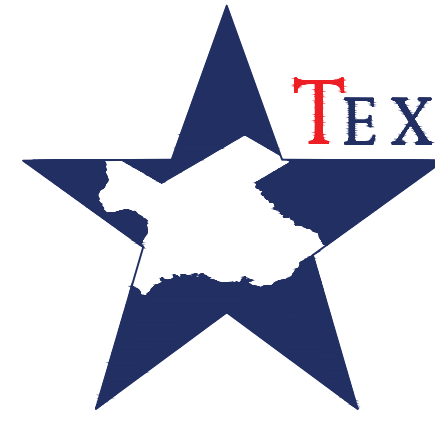
- NOTES:
- CONTRACTOR TO CONTACT ENGINEER IF THE ELEVATION SHOWN ON THIS DOCUMENT DIFFERS FROM WHAT'S ON SITE.

- LEGEND:
- TC XX.XX' TOP OF CURB
 - FL XX.XX' FLOW LINE
 - TP XX.XX' TOP OF PAVEMENT
 - FG XX.XX' FINISH GRADE
 - FS XX.XX' FINISH SUBGRADE
 - TR XX.XX' TOP OF RIM
 - TG XX.XX' TOP OF GRATE
 - MANHOLE (MH-X)
 - BURIED JUNCTION BOX (JB-X)
 - AREA INLET (AI-X)
 - INLINE DRAIN (ID-X)
 - 90° ELB
 - TEE
 - REDUCER
 - FLOW ARROW
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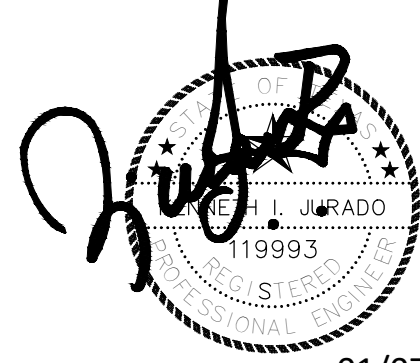


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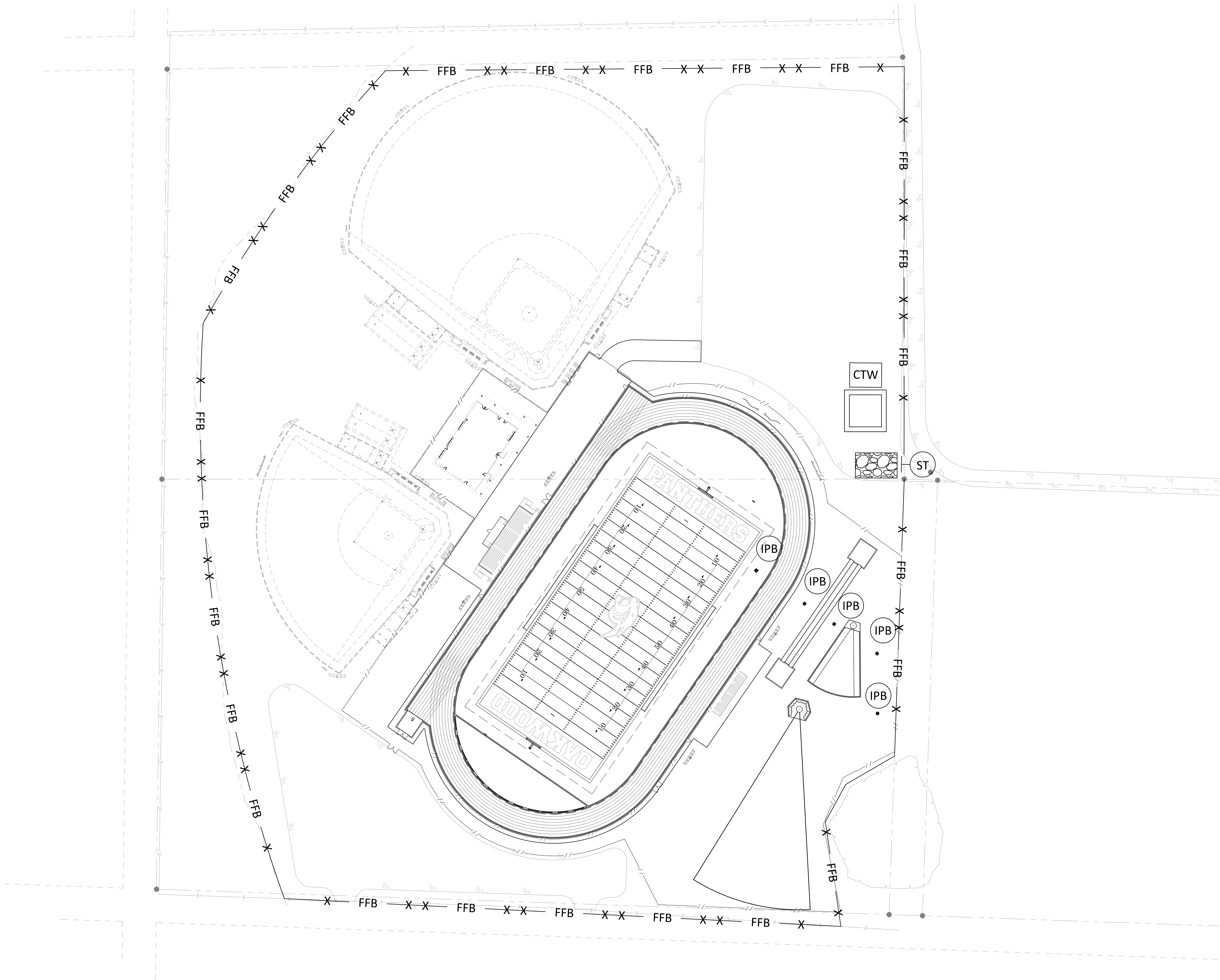
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SWPP PLAN

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CS 4.01



- NOTES:
- CONTRACTOR TO PLACE "IPB" IN ALL SURROUNDING INLETS.
- LEGEND:
- IPB INLET PROTECTION BARRIER STAGE I
 - IPB INLET PROTECTION BARRIER STAGE II
 - SC STABILIZED CONSTRUCTION ACCESS
 - CTW CONCRETE TRUCK WASHOUT AREA
 - FFB FILTER FABRIC BARRIER

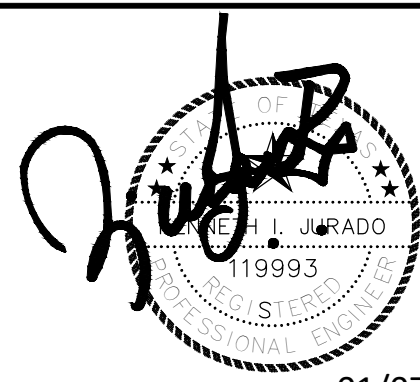


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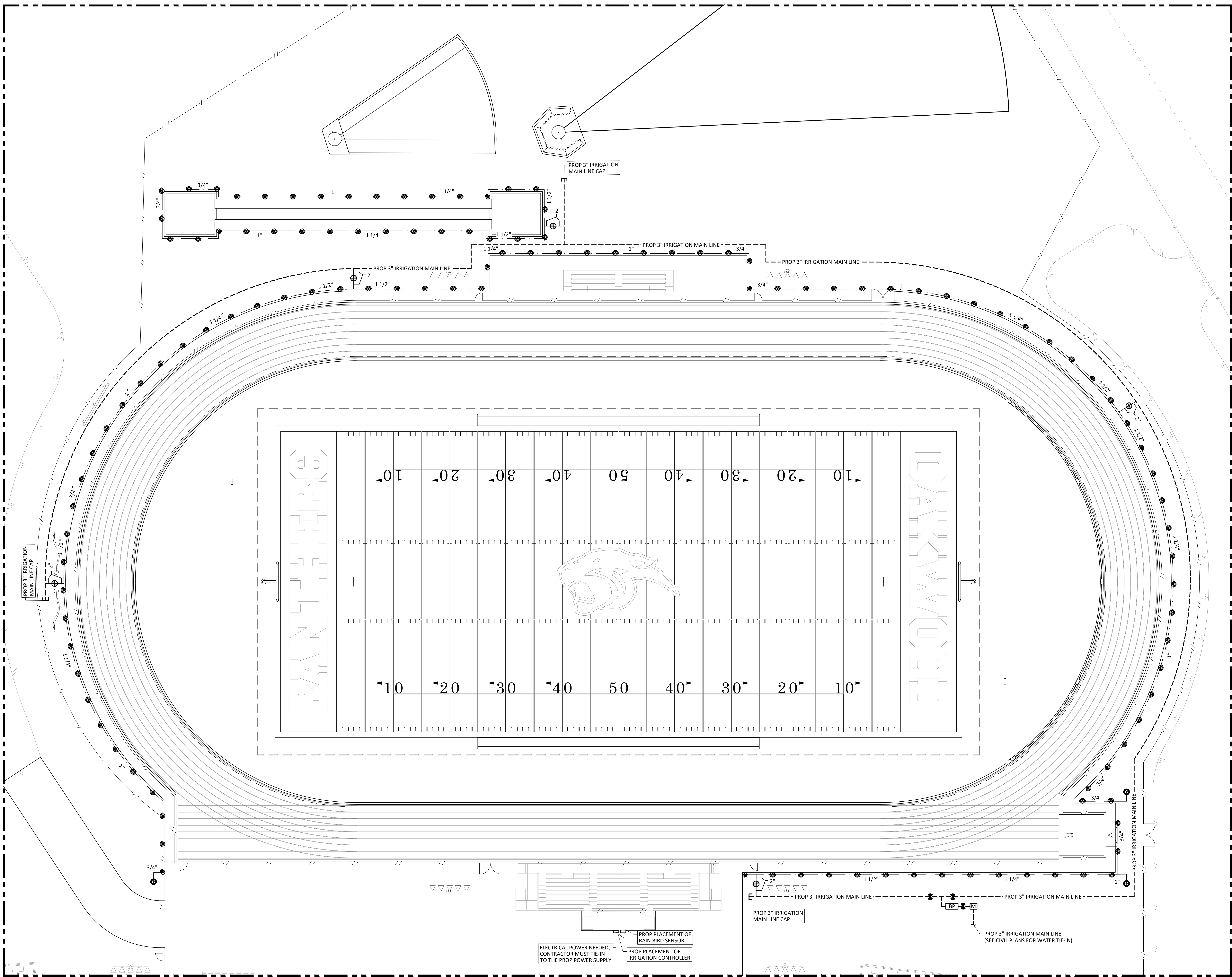
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IRRIGATION PLAN

CS 5.01



- NOTES:
- CONTRACTOR TO TIE-IN PROPOSED 3" IRRIGATION MAIN TO THE NEAREST EXISTING DOMESTIC WATER LINE. INCLUDE A BACK FLOW PREVENTER AND WATER METER.

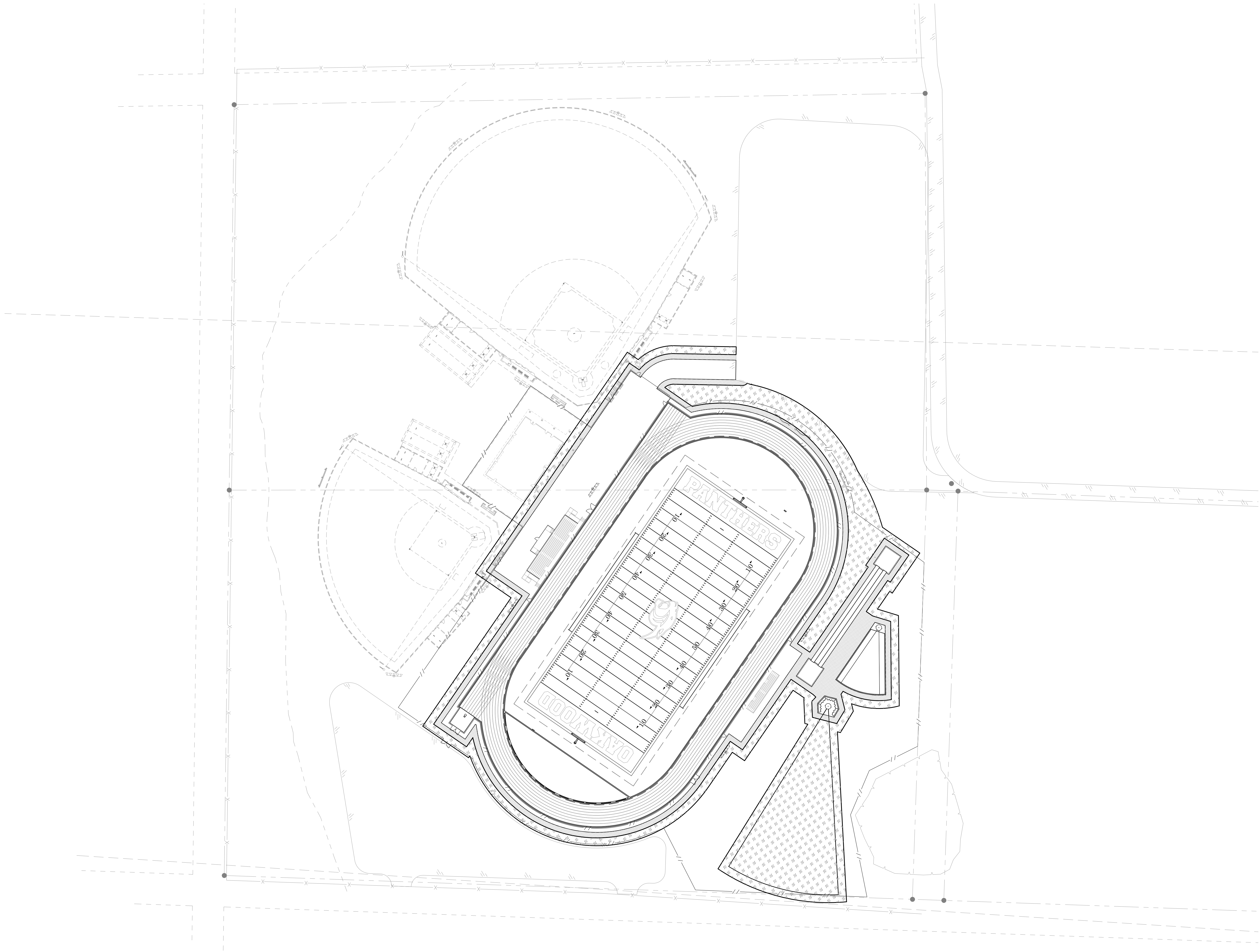
LEGEND:

---	MAIN LINE
- - -	LATERAL LINE
1"	LINE SIZE
●	RAINBIRD 155ST 1804-SAM-PRS-360"
●	RAINBIRD 155ST 1804-SAM-PRS-180"
●	RAINBIRD 155ST 1804-SAM-PRS-90"
○	RAINBIRD SPRAY ROTARY 3500 SERIES
●	RAINBIRD ELECTRICAL VALVE
●	ISOLATION VALVE
BP	BACKFLOW PREVENTER METER
M	1" QUICK COUPLER
A-1	ZONE NUMBER
55	GMP
1.5"	VALVE SIZE
.50"/HR	PRECIPITATION RATE
TBV	TO BE VERIFIED

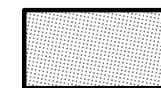
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LEGEND:



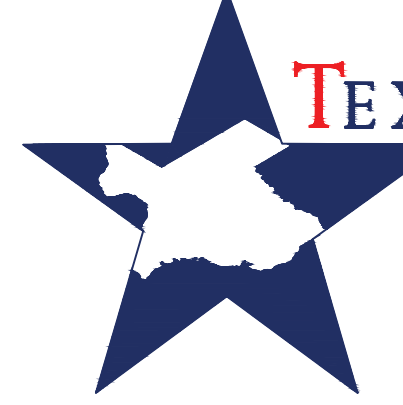
SOD - 7 FT ROLL



HYDROMULCH

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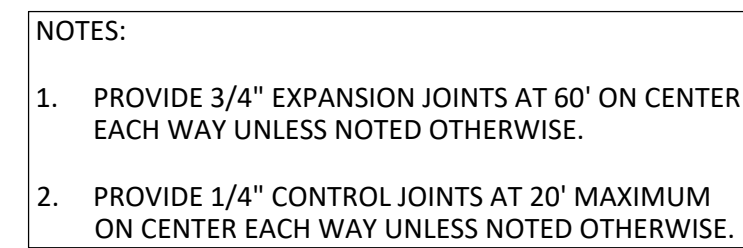


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DRAWING SCALE:	1" = 50'

HYDROMULCH
AND SODDING PLAN

CS 5.02



NOTES:

1. PROVIDE GROOVED JOINT AT 4' ON CENTER.
2. PROVIDE 1/2" EXPANSION JOINT AT 15' ON CENTER.
3. PROVIDE CONTROL JOINTS AT 5' MAXIMUM.

2" CLR.

5"

16"

16"

CONSTRUCTION JOINT

#4 BARS @ 24" O.C.E.W.

17" SUBGRADE COMPACTED TO 95% MIN DENSITY ASTM D-698.

1/2" DIA. X 36" LONG SMOOTH DWL AT 16" ON CENTER WITH GRADED EXPANSION CAP ON ONE END

MATL KEYWAY OR FORMED KEY WAY

SELECT FILL AS NECESSARY

Technical drawing showing a cross-section of a joint detail. The drawing includes the following labels and dimensions:

- JOINT SEALANT COMPOUND**: Indicated by a line pointing to the sealant material.
- #4 BARS @ 24" O.C.E.W.**: Indicated by a line pointing to the reinforcement bars.
- COMPACTED SUBGRADE SEE SUBGRADE NOTE THIS SHEET**: Indicated by a line pointing to the subgrade material.
- REDWOOD OR PREMOULD EXPANSION JOINT MATERIAL**: Indicated by a line pointing to the material on the left side of the joint.
- 1-3"**: Dimension for the width of the joint sealant compound.
- 1-3"**: Dimension for the width of the joint sealant compound.
- 2" CLR.**: Dimension for the clearance of the joint sealant compound.
- 5"**: Dimension for the height of the joint sealant compound.
- 1/2" DIA. X 30" LONG SMOOTH DW @ 16" ON CENTER WITH GREASED EXPANSION CAP ON ONE END**: Dimension for the smooth dw reinforcement.

CATCH BASIN NOTES:	
1.	WALLS & BOTTOM SHALL BE CONSTRUCTED OF #3 REINFORCED, CLASS "A" (4000 psi) CONCRETE.
2.	PRECAST CONCRETE INLET BASINS SHALL BE PROVIDED WITH PRE-FORMED KNOCKOUTS ONLY IN WALLS WHERE PIPE CONNECTIONS ARE TO BE MADE. KNOCKOUTS SHALL BE PIPE O.D. + 4" MAX. AND CIRCULAR SHAPED.
3.	IN GRASS AREAS, FOLLOWING FINAL GRADING, THE CONTRACTOR SHALL PLACE SOLID SOD A MINIMUM OF 5 FEET AROUND PERIMETER OF TOP OF INLET.
4.	IF THE BASE SECTION IS PRECAST WITH A BOTTOM, A 23" THICK CEMENT STABILIZED GRASS LAYER, EXTEND BE REQUIRED BENEATH THE STRUCTURE, EXTENDING 12" PAST THE OUTER FACE.
5.	WHEN HDPE PIPE IS USED, PROVIDE 6" CLEARANCE BETWEEN INLET BOTTOM & FLOWLINE OF PIPE. GROUT ENTIRE BOTTOM OF INLET. EXTEND PIPE INTO INLET AT LEAST ONE FULL CORRUGATION, NO JOINT WITHIN 6 FEET OF INLET.
6.	INSTALL FIBER FABRIC OVER INLET GRATE TO PREVENT SILTS FROM ENTERING INLET.

MANHOLE TOP TO BE FLUSH WITH FINISH GRADE

NON-SHRINK GROUT (OMIT IF IN PAVEMENT)

CAST IRON FRAME AND COVER GRAPHICS AND WORDING PER THE REQUIREMENTS OF THE AUTHORITY HAVING JURISDICTION

GRADE RINGS AS REQUIRED (4 MAX.)

CONE CONCENTRIC SECTIONS AS REQUIRED (VARIES 24" TO 36" IN HEIGHTS)

PRECAST CONCRETE RISER SECTIONS AS REQUIRED (VARIES 12" TO 48" IN HEIGHTS)

NON-SHRINK GROUT FOR WATER-TIGHT JOINT CONNECTIONS AT GROUT OPENINGS (2" MIN. ALL AROUND)

24" STORM PIPE OR SMALLER

INVERT CHANNEL SHAPED WITH 2500 PSI PREMIX CONCRETE (MIN. OF 1" PER 12" SLOPE)

12" CEMENT STABILIZED SAND BEDDING

TOP VIEW

NOTES:

1. PRECAST CONCRETE MANHOLE WALL THICKNESS SHALL BE DETERMINED TO MEET LOADING CONDITIONS THICKNESS 5".
2. CONSTRUCTION AND MATERIALS SHALL MEET REQUIREMENTS OF ITEM 471 "PRECAST CONCRETE MANHOLES".
3. PRECAST CONCRETE MANHOLES SHALL BE MADE CONCRETE WITH A DESIGN STRENGTH OF 4,000 PSI AT 28 DAYS.
4. PRECAST CONCRETE MANHOLE DESIGN SHALL MEET HL-93 LOADING OR EXCEED ASTM C478 REQUIREMENTS.
5. GASKET JOINT PER ASTM C443.
6. FRAME AND COVER SHALL BE EAST JORDAN IRON WORKS MODEL V-1420 OR APPROVED EQUIVALENT.

SYMMETRICAL ABOUT

↕

← HALF SECTION UNDER PAVEMENT HALF SECTION UNDER NATURAL GROUND →

PAVEMENT

NATURAL GROUND

STABILIZED SUBGRADE OR SELECT FILL (SEE GEOTECHNICAL REPORT)

FILL MATERIAL

CEMENT-STABILIZED SAND EMBEDMENT

SPRING LINE

12" MIN.

12" MIN.

12" MIN.

PIPE O.D.

TRENCH WIDTH

BEDDING AND BACKFILL NOTES:

1. THIS DETAIL MAY BE USED ONLY FOR DRY STABLE TRENCH CONDITIONS.
2. ALL BACKFILL SHALL BE PLACED IN 8-INCH THICK LOOSE LIFTS AND COMPACTED TO AN IN-PLACE DENSITY EQUAL TO AT LEAST 95% OF THE MINIMUM DRY DENSITY AT A MOISTURE CONTENT WITHIN $\pm 2\%$ OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D-698.
3. MINIMUM TRENCH WIDTH:
 18" - 30" PIPE OD - 12" MIN CLEARANCE
 OVER 30" PIPE OD - 18" MIN CLEARANCE

SYMMETRICAL ABOUT

HALF SECTION UNDER PAVEMENT

HALF SECTION UNDER NATURAL GROUND

PAVEMENT

STABILIZED SUBGRADE OR SELECT FILL (SEE GEOTECHNICAL REPORT)

CEMENT-STABILIZED SAND EMBEDMENT

NATURAL GROUND

FILL MATERIAL

24"

12" MIN. 24" MAX.

12" MIN. 24" MAX.

12" MIN.

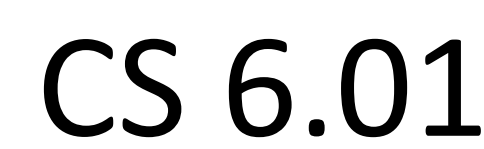
NOTES:

1. THIS DESIGN IS STABLE
2. ALL BACKFILL THICK LAY IN-PLACE OF THE EXISTING MOISTURE OPTIMUM DETERMINED

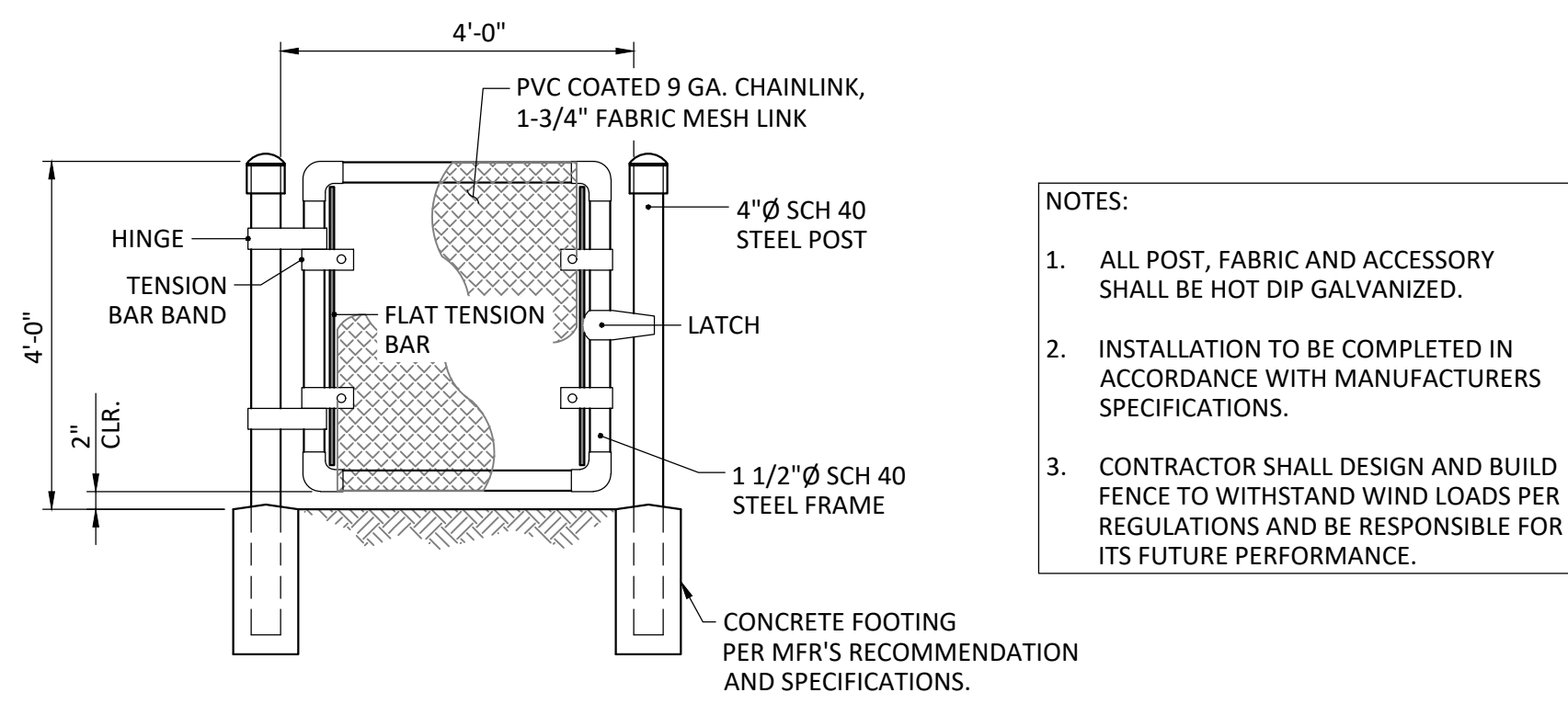
NOTES:

1. GRADE OUTFALL AREA SO THAT WATER WILL FLOW DOWN THE CENTER OF THE CHANNEL AND BE CONTAINED TO THE CHANNEL. SUBGRADE SURFACES PREPARED FOR PLACEMENT OF MATS SHALL BE SMOOTH AND FREE OF ALL ROCKS, STICKS, ROOTS, OTHER PROTRUSIONS, OR DEBRIS OF ANY KIND. THE PREPARED SURFACE SHALL PROVIDE A FIRM UNYIELDING FOUNDATION FOR THE MATS WITH NO SHARP OR ABRUPT BREAKS IN THE GRADE.
2. APPLY SEED DIRECTLY TO THE PREPARED SOIL PRIOR TO FLEXAMAT INSTALLATION. USE SEED PER PROJECT SPECIFICATIONS.
3. ANCHOR THE MAT PER MANUFACTURERS INSTRUCTIONS.
4. A CONCRETE SAW SHALL BE USED TO CUT THE MAT TO EXACT SIZE AND SHAPE.

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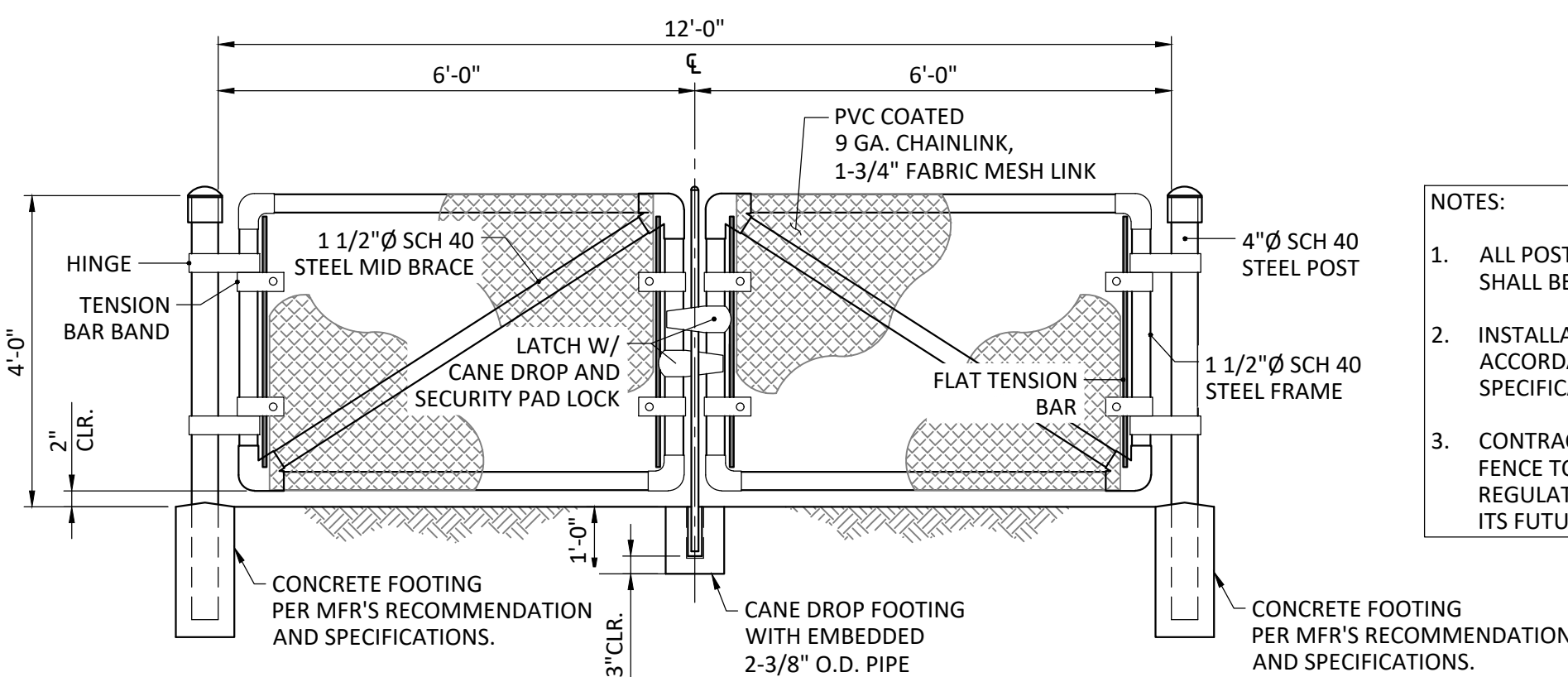


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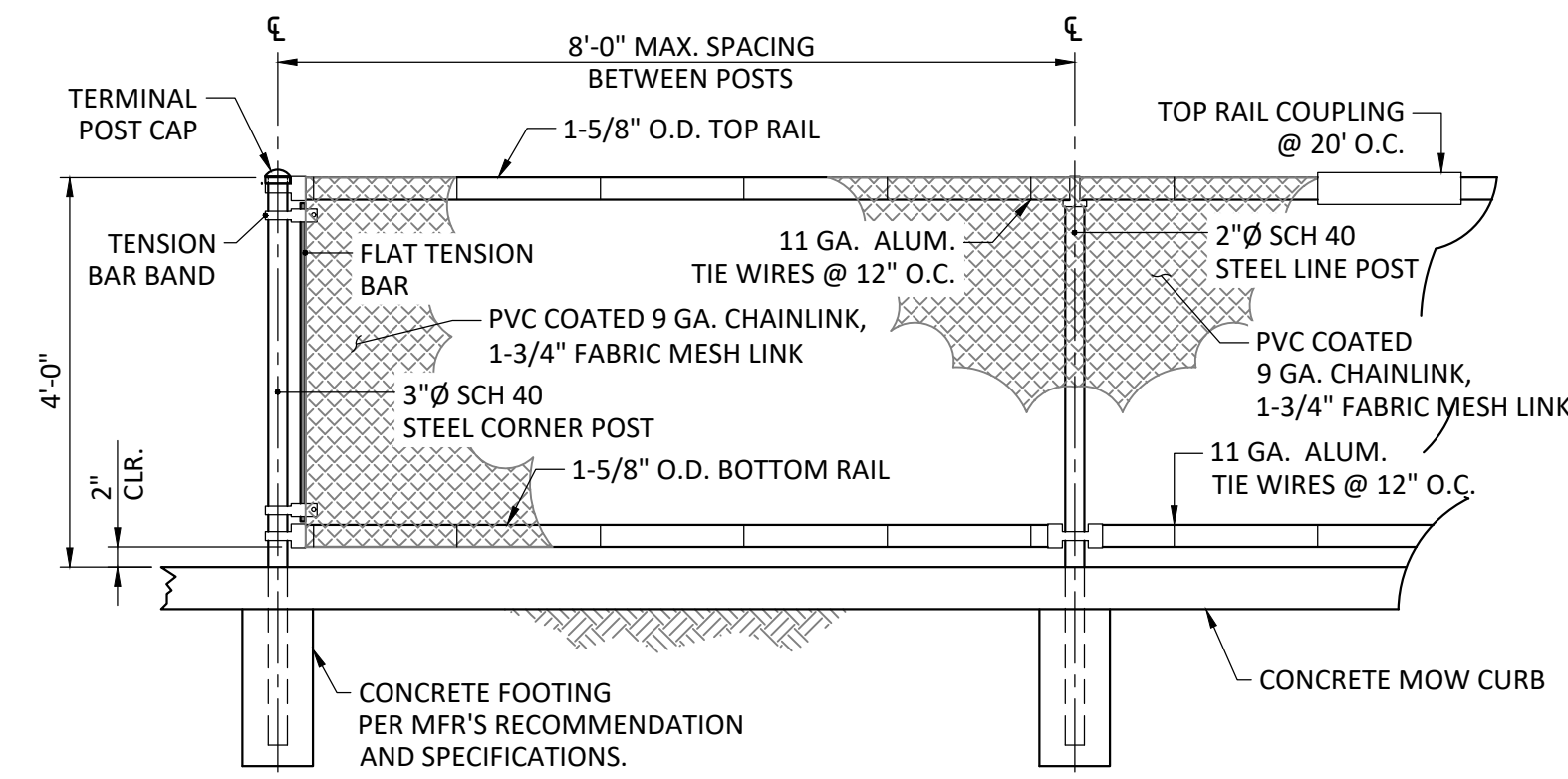
- NOTES:
1. ALL POST, FABRIC AND ACCESSORY SHALL BE HOT DIP GALVANIZED.
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 3. CONTRACTOR SHALL DESIGN AND BUILD FENCE TO WITHSTAND WIND LOADS PER REGULATIONS AND BE RESPONSIBLE FOR ITS FUTURE PERFORMANCE.

1 TYPICAL 4' CHAINLINK SWING GATE
N.T.S.



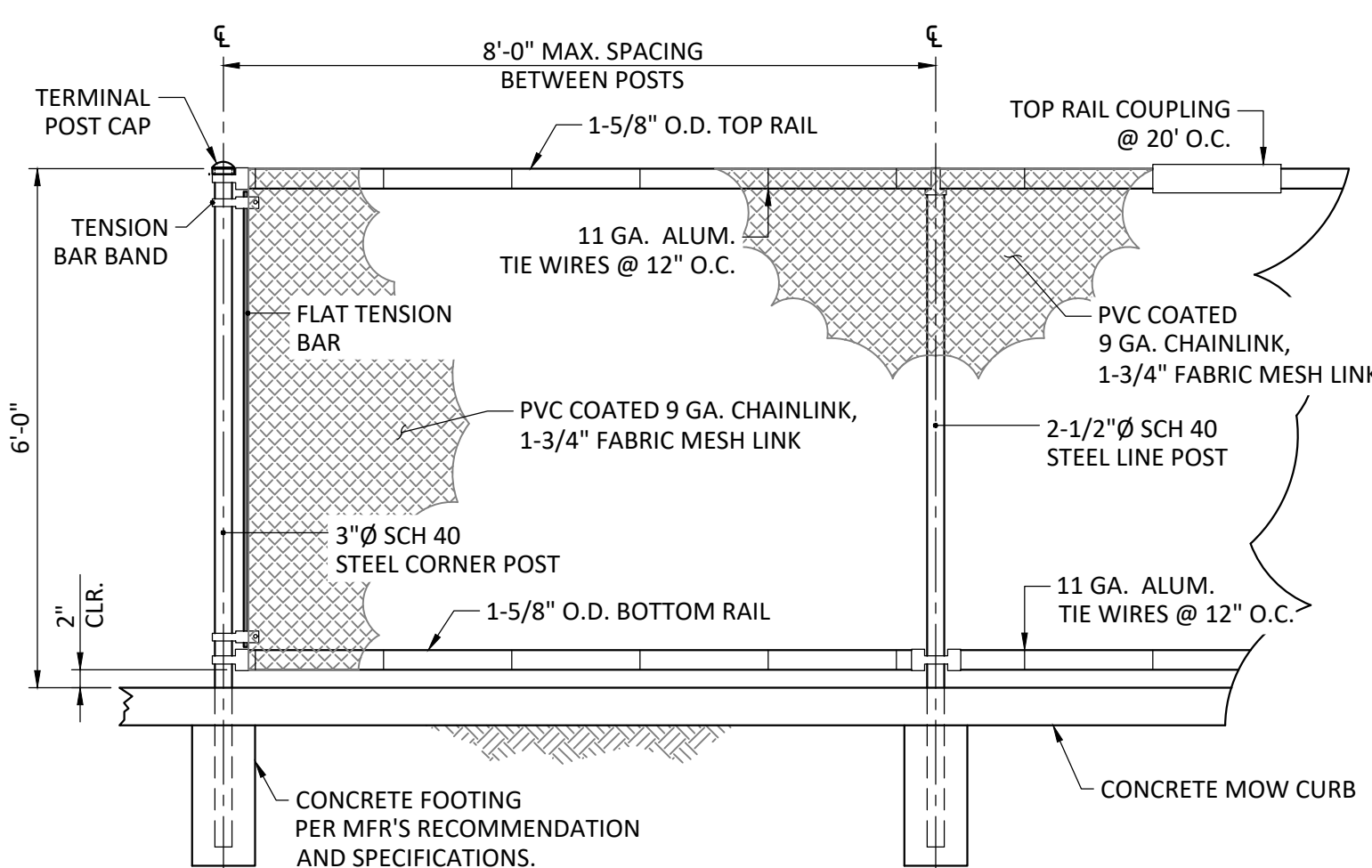
- NOTES:
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 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 3. CONTRACTOR SHALL DESIGN AND BUILD FENCE TO WITHSTAND WIND LOADS PER REGULATIONS AND BE RESPONSIBLE FOR ITS FUTURE PERFORMANCE.

2 TYPICAL 12' CHAINLINK SWING GATE
N.T.S.



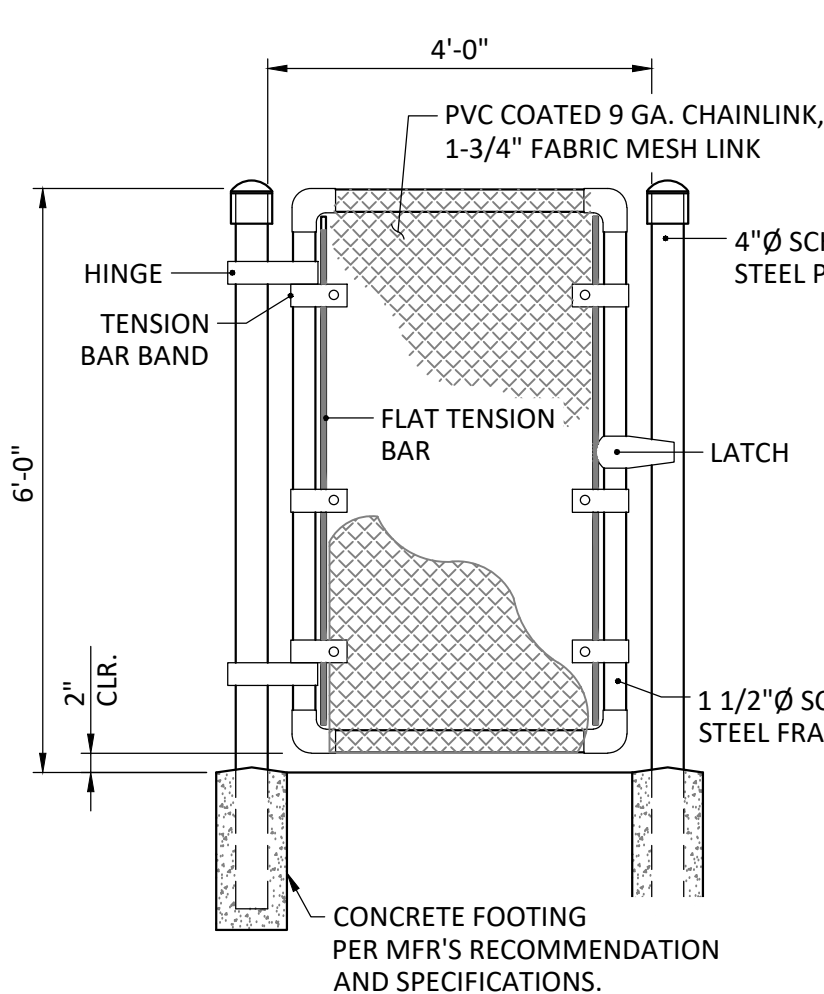
- NOTES:
1. ALL POST, FABRIC AND ACCESSORY SHALL BE HOT DIP GALVANIZED.
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 3. CONTRACTOR SHALL DESIGN AND BUILD FENCE TO WITHSTAND WIND LOADS PER REGULATIONS AND BE RESPONSIBLE FOR ITS FUTURE PERFORMANCE.

3 TYPICAL 4' CHAINLINK FENCE
N.T.S.



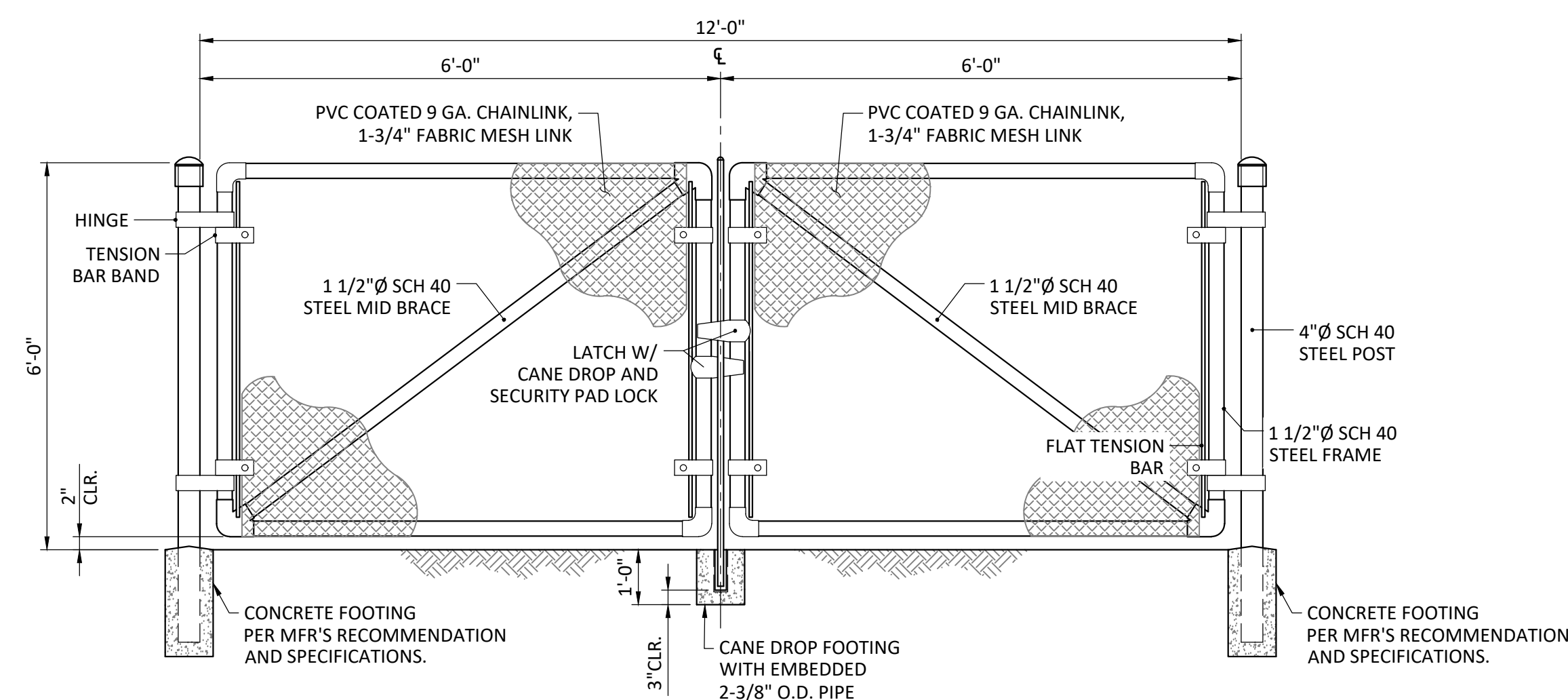
- NOTES:
1. ALL POST, FABRIC AND ACCESSORY SHALL BE HOT DIP GALVANIZED.
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 3. CONTRACTOR SHALL DESIGN AND BUILD FENCE TO WITHSTAND WIND LOADS PER REGULATIONS AND BE RESPONSIBLE FOR ITS FUTURE PERFORMANCE.

4 TYPICAL 6' CHAINLINK FENCE
N.T.S.

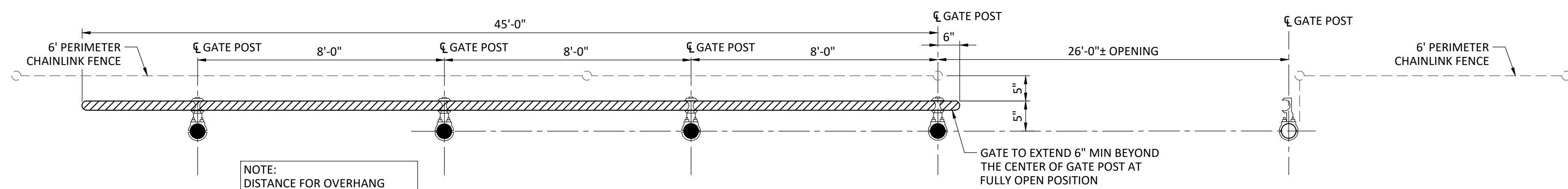


- NOTES:
1. ALL POST, FABRIC AND ACCESSORY SHALL BE HOT DIP GALVANIZED.
 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 3. CONTRACTOR SHALL DESIGN AND BUILD FENCE TO WITHSTAND WIND LOADS PER REGULATIONS AND BE RESPONSIBLE FOR ITS FUTURE PERFORMANCE.

5 TYPICAL 6' CHAINLINK SWING GATE
N.T.S.

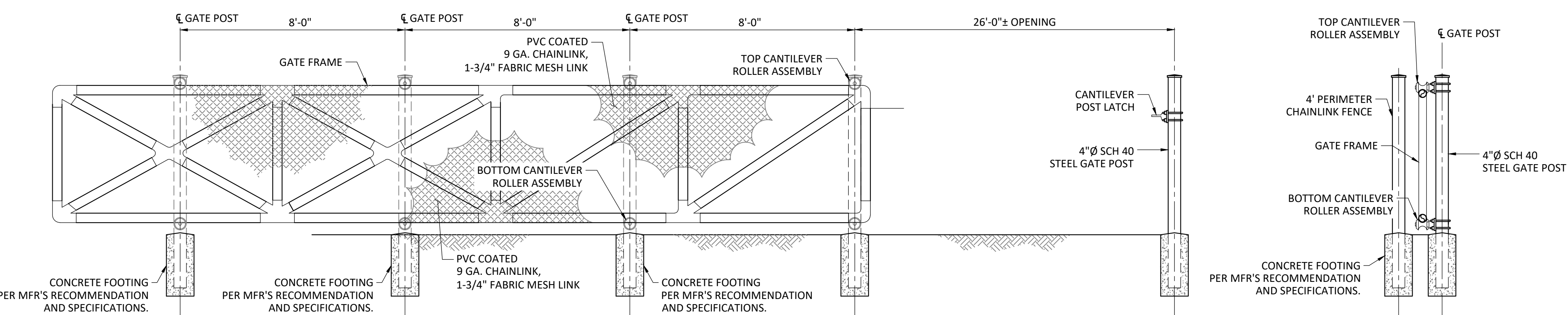


6 TYPICAL 12' SWING GATE
N.T.S.

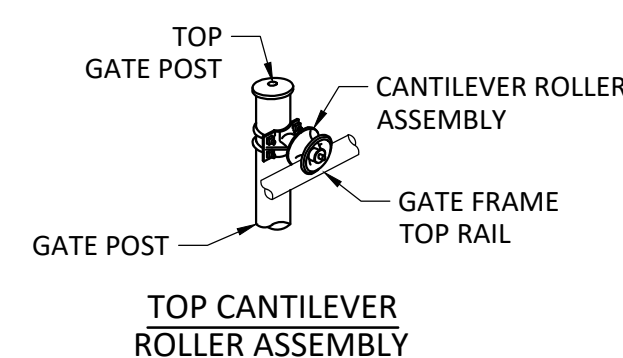


NOTE:
DISTANCE FOR OVERHANG POSTS IS 66% MIN. OF OPENING

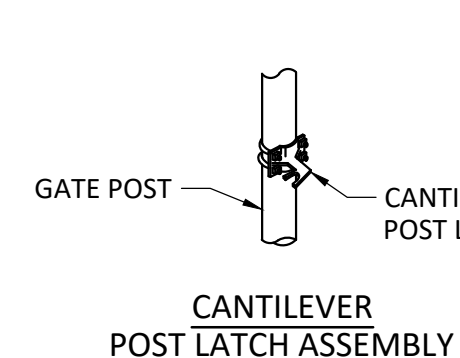
TOP VIEW



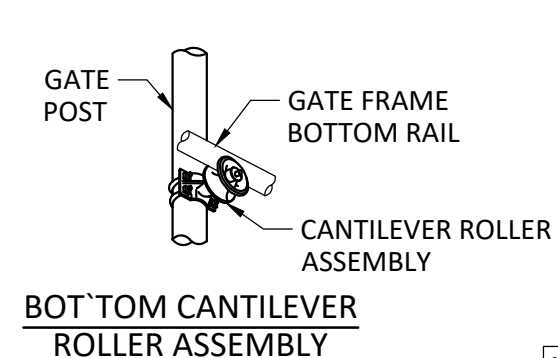
FRONT VIEW



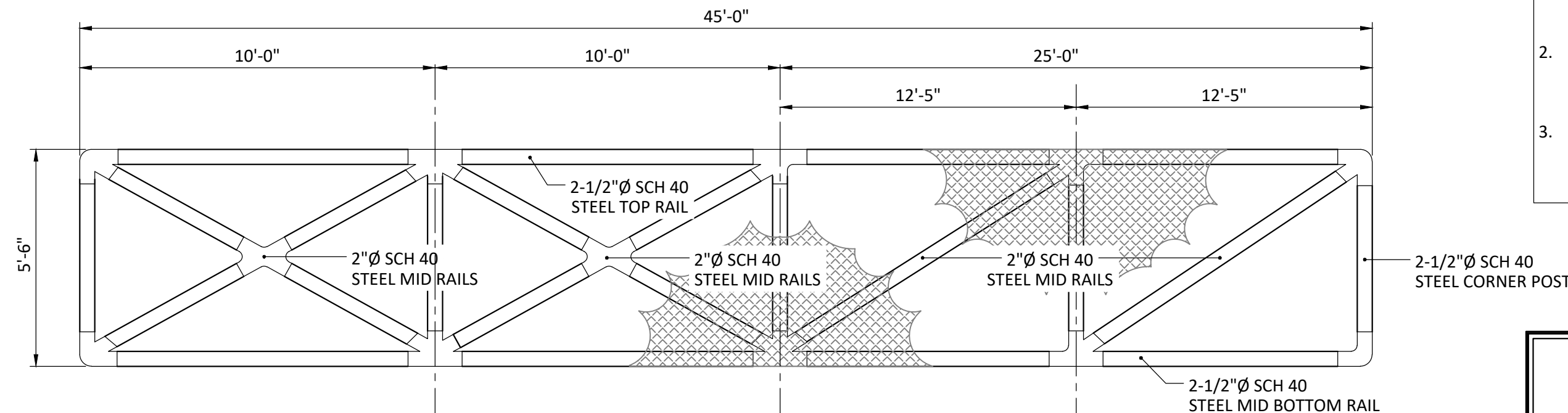
TOP CANTILEVER ROLLER ASSEMBLY



CANTILEVER POST LATCH ASSEMBLY



BOTTOM CANTILEVER ROLLER ASSEMBLY



ROLLING GATE FRAME

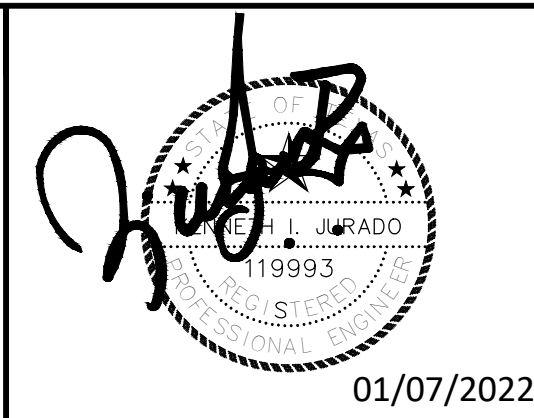
- NOTES:
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 2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.
 3. CONTRACTOR SHALL DESIGN AND BUILD FENCE TO WITHSTAND WIND LOADS PER REGULATIONS AND BE RESPONSIBLE FOR ITS FUTURE PERFORMANCE.

7 TYPICAL 25' CHAINLINK ROLLING GATE
N.T.S.



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REV#	REV DATE	REV DESCRIPTION

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OAKWOOD HIGH SCHOOL
NEW TRACK AND FIELD PROJECT
OAKWOOD, TEXAS

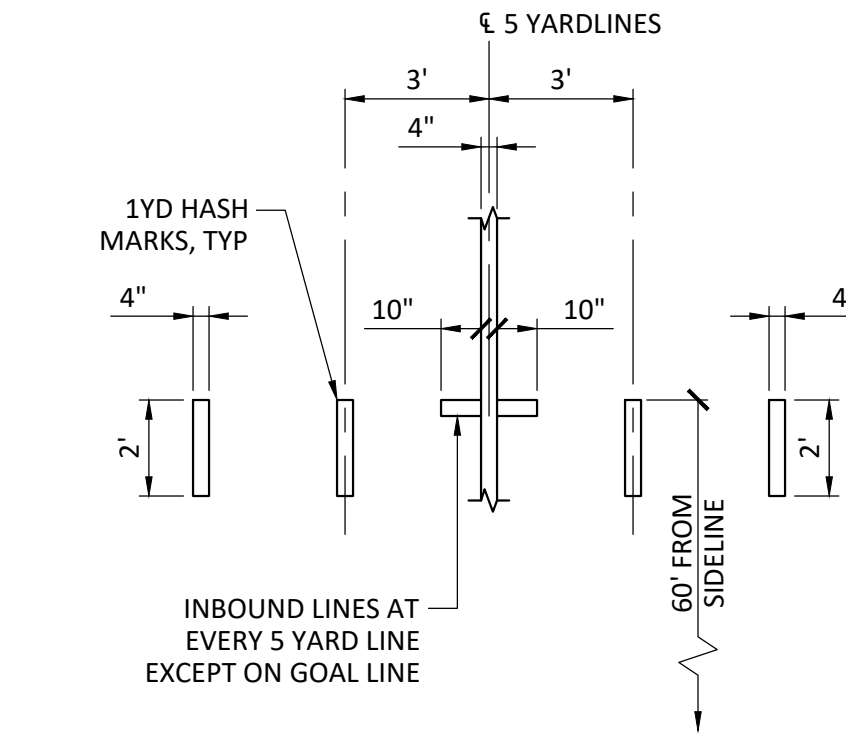
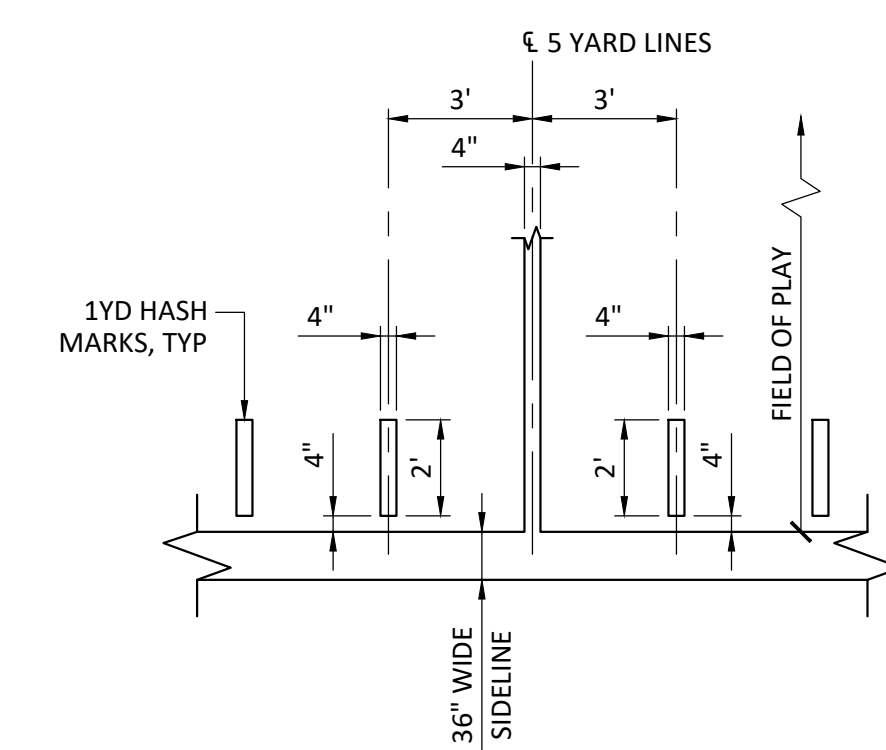
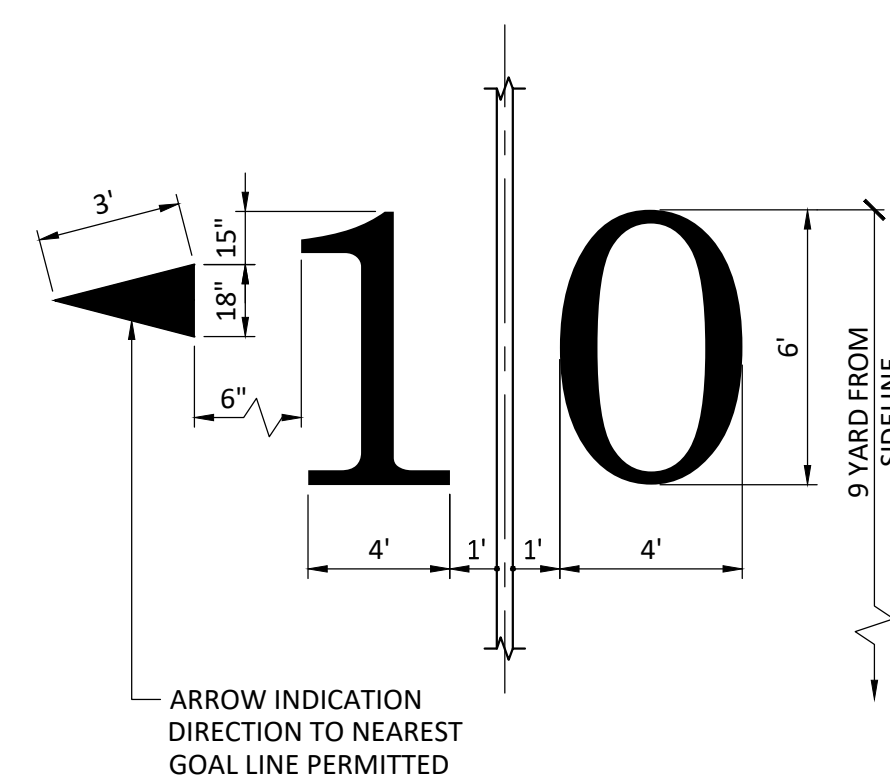
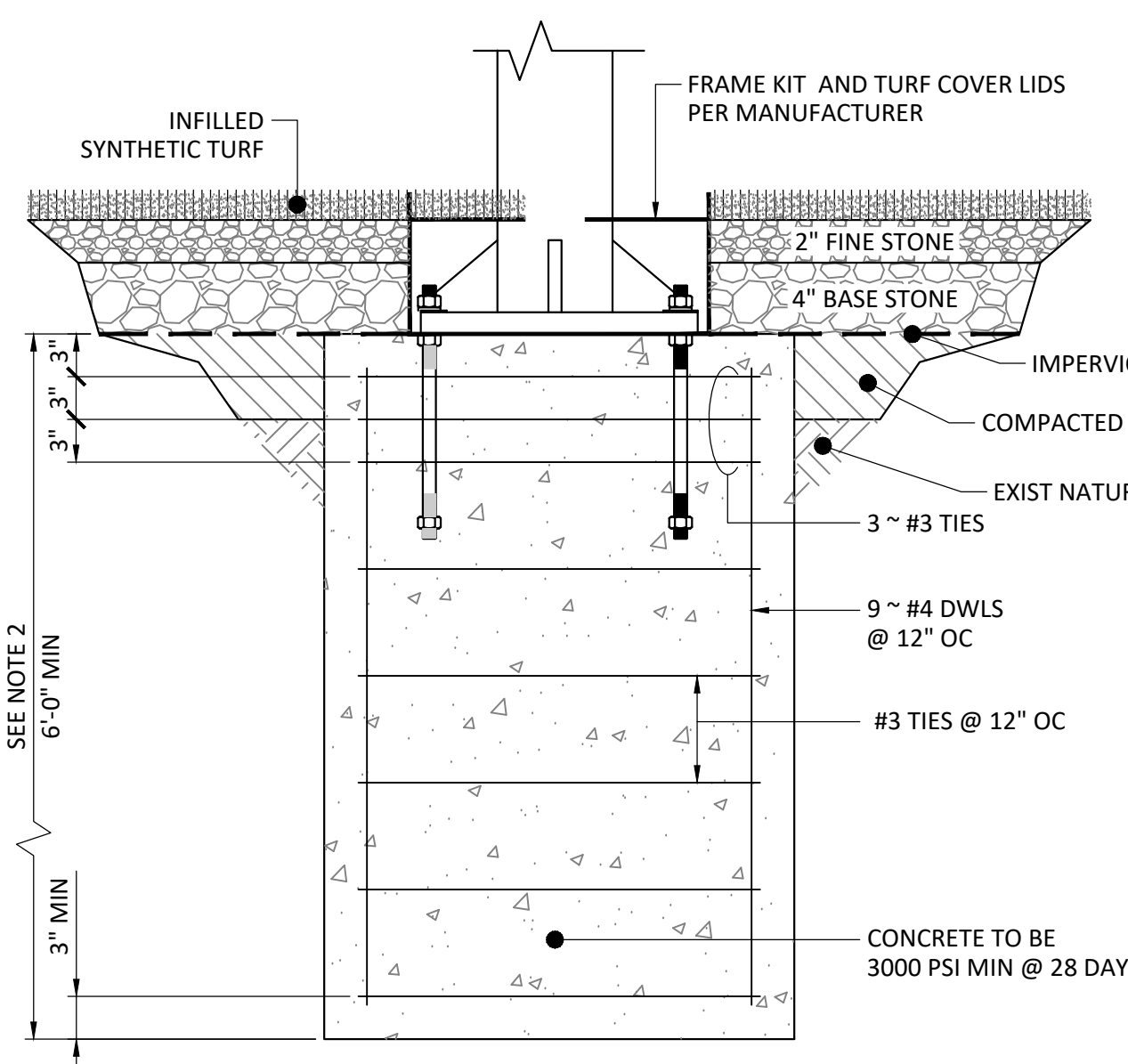
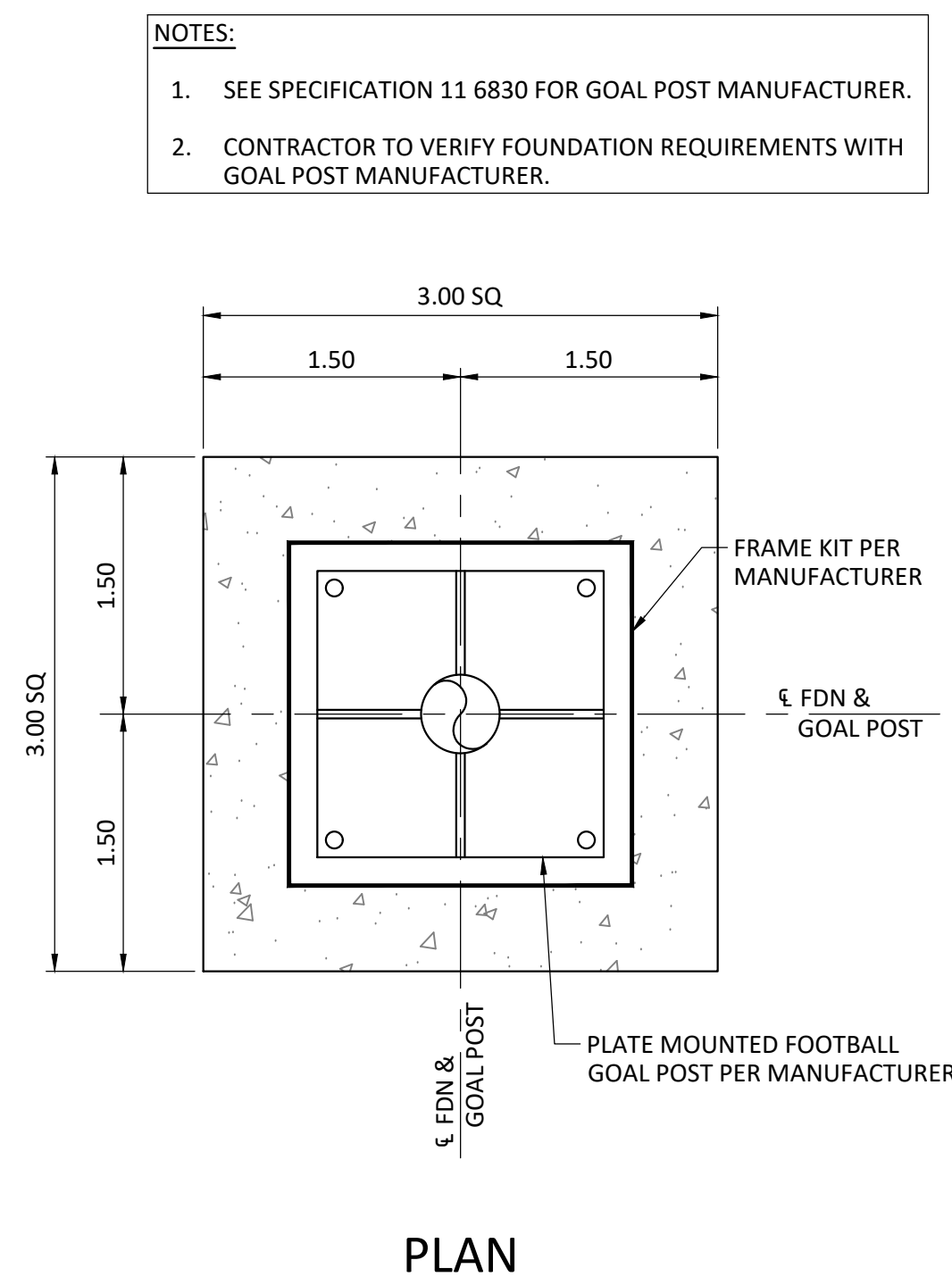
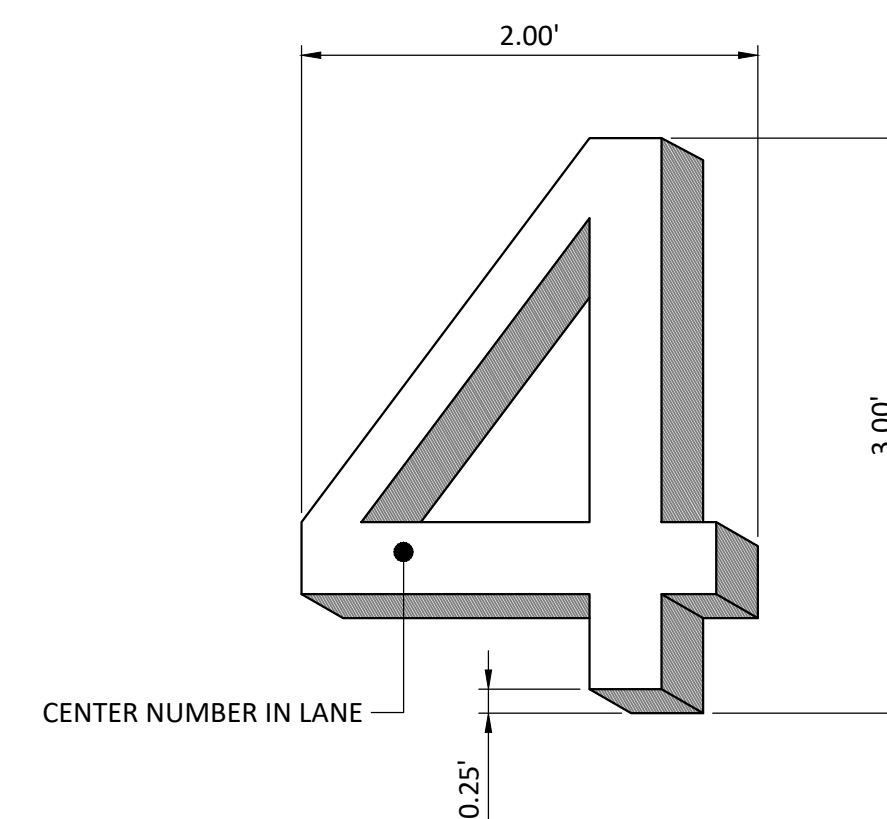
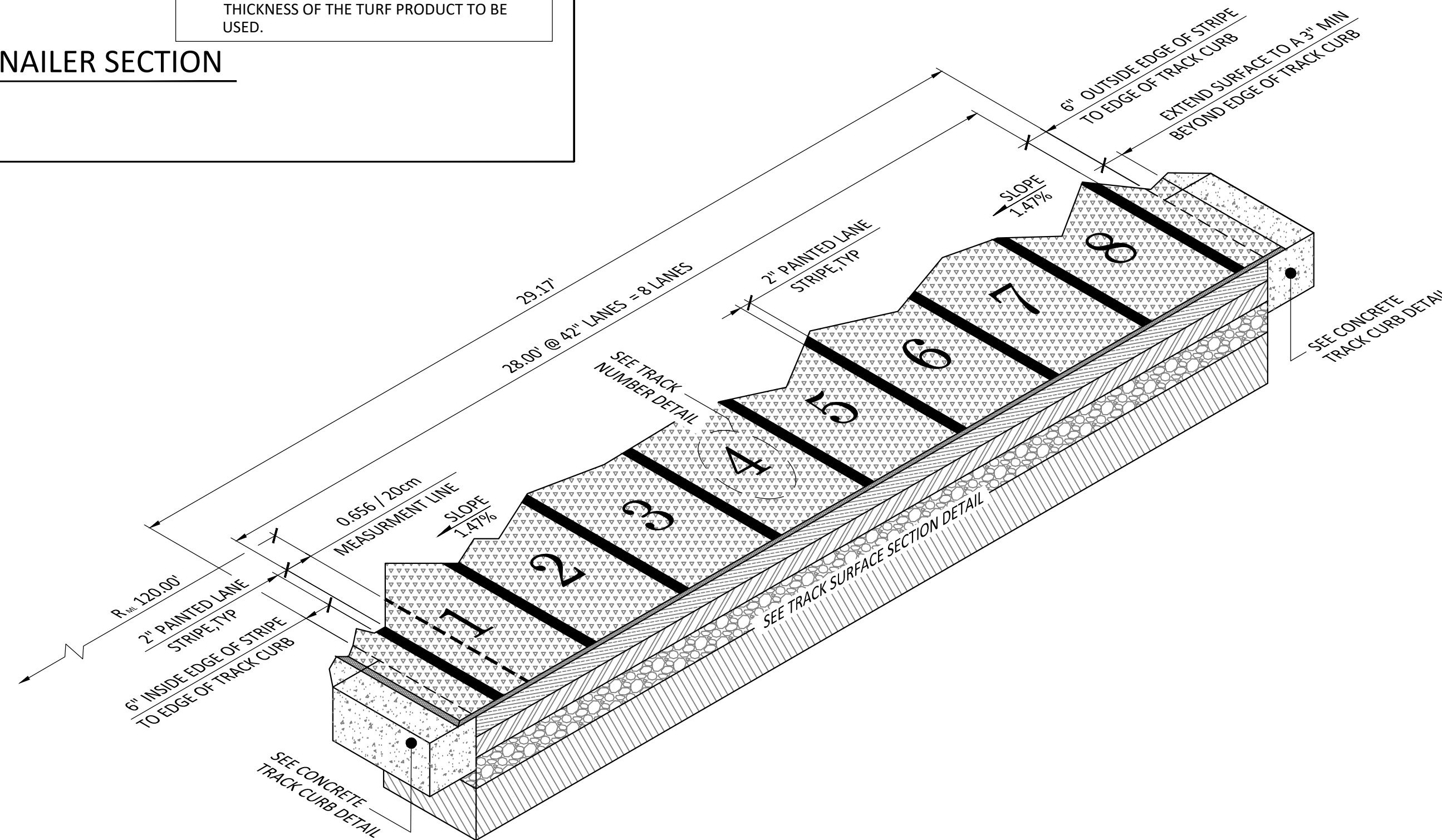
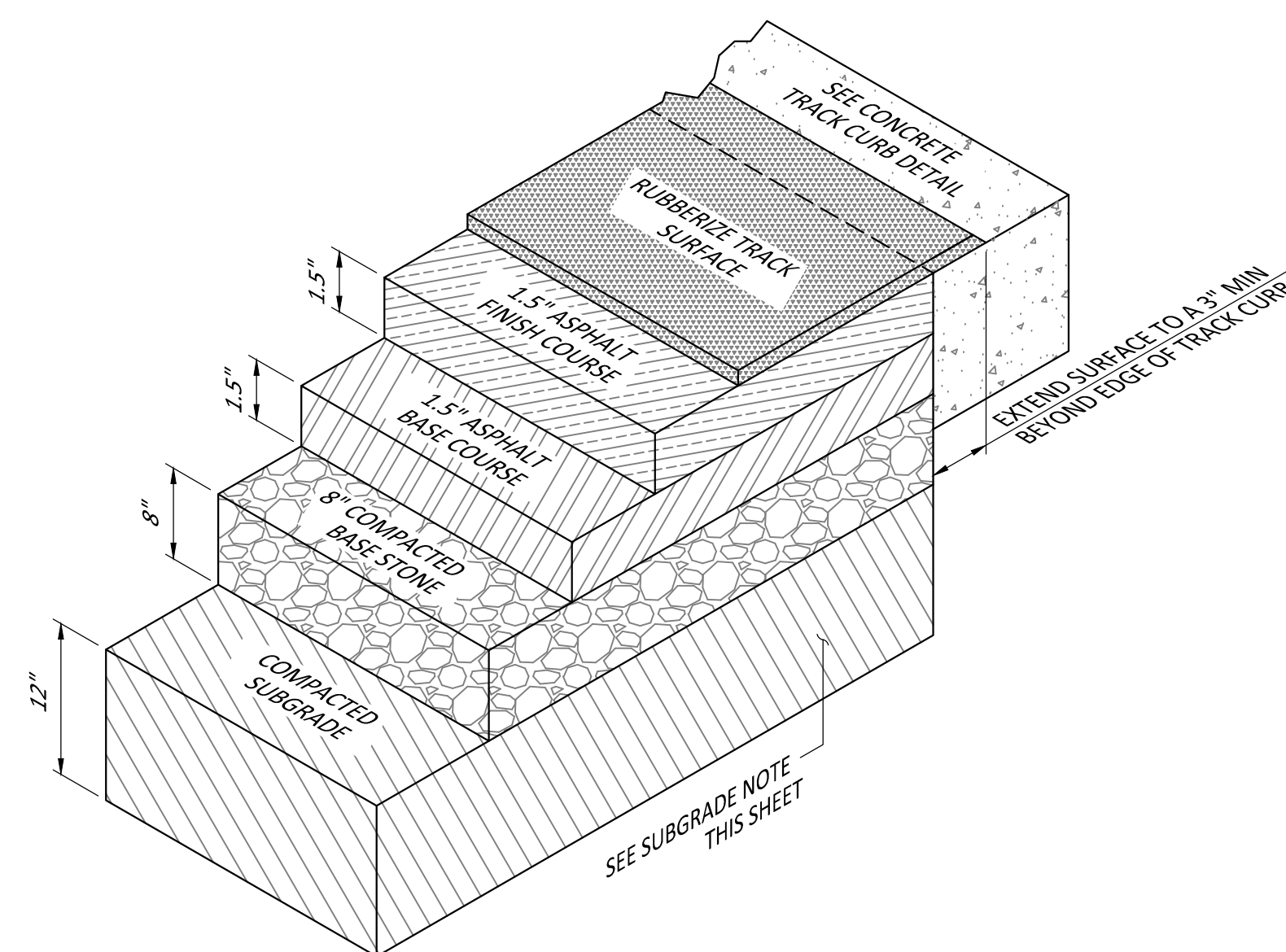
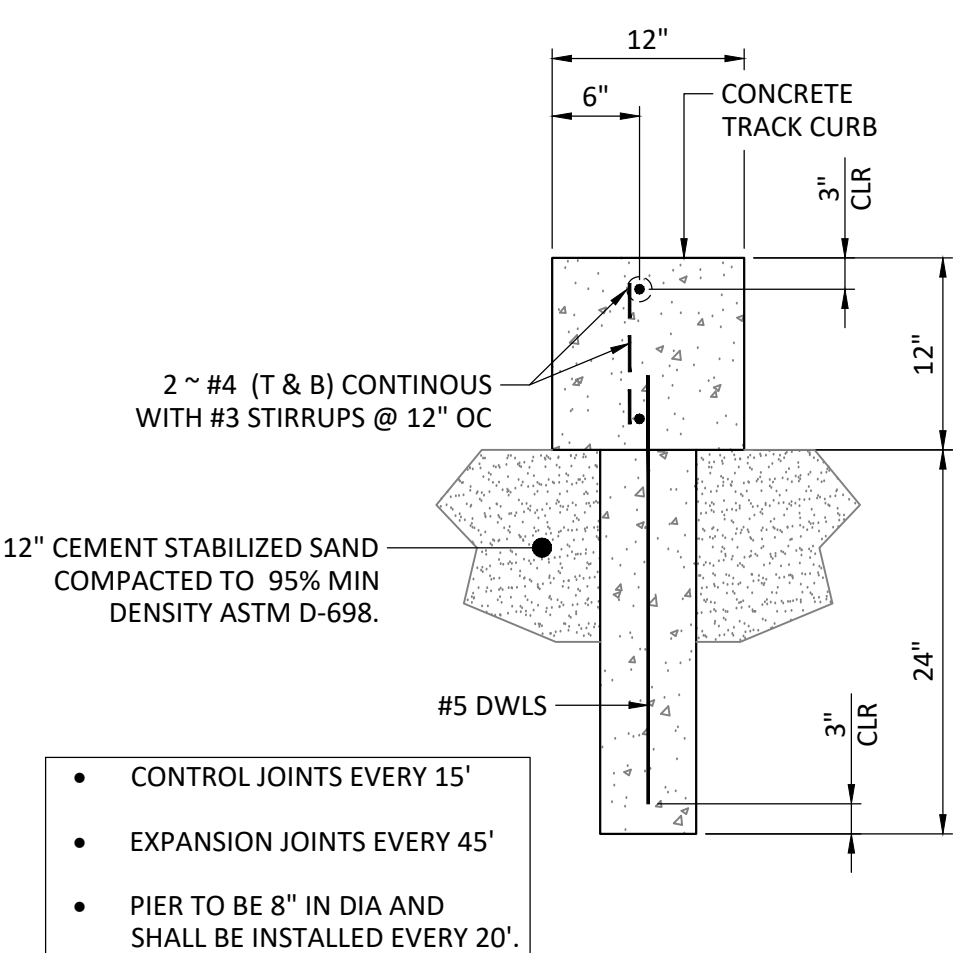
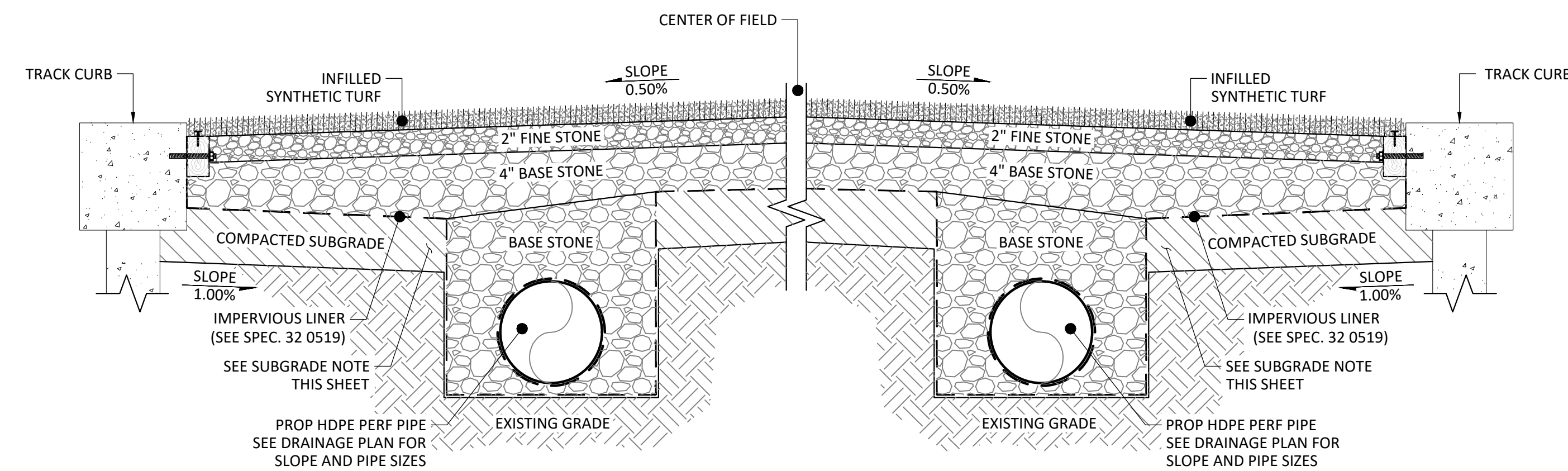
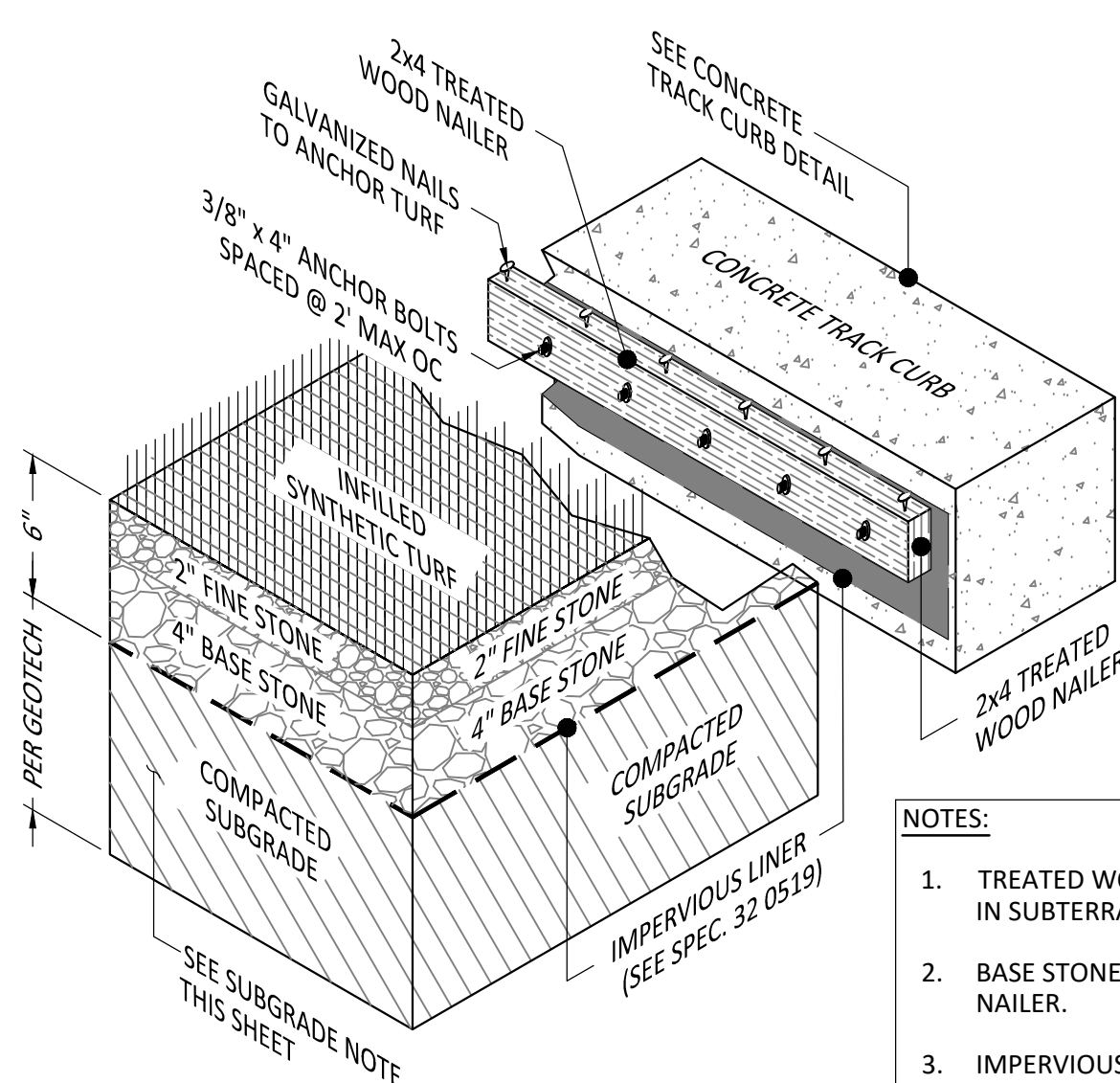
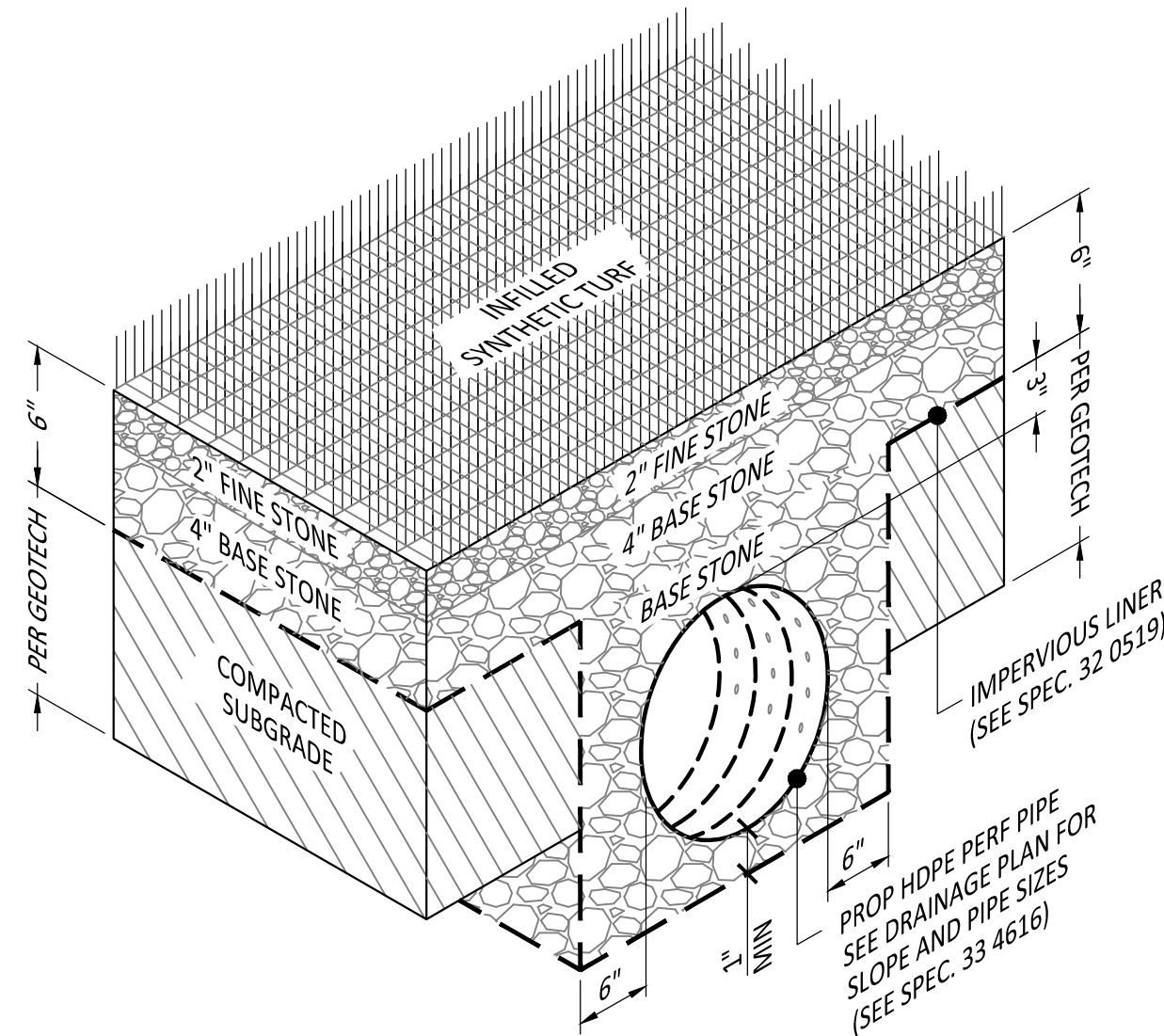
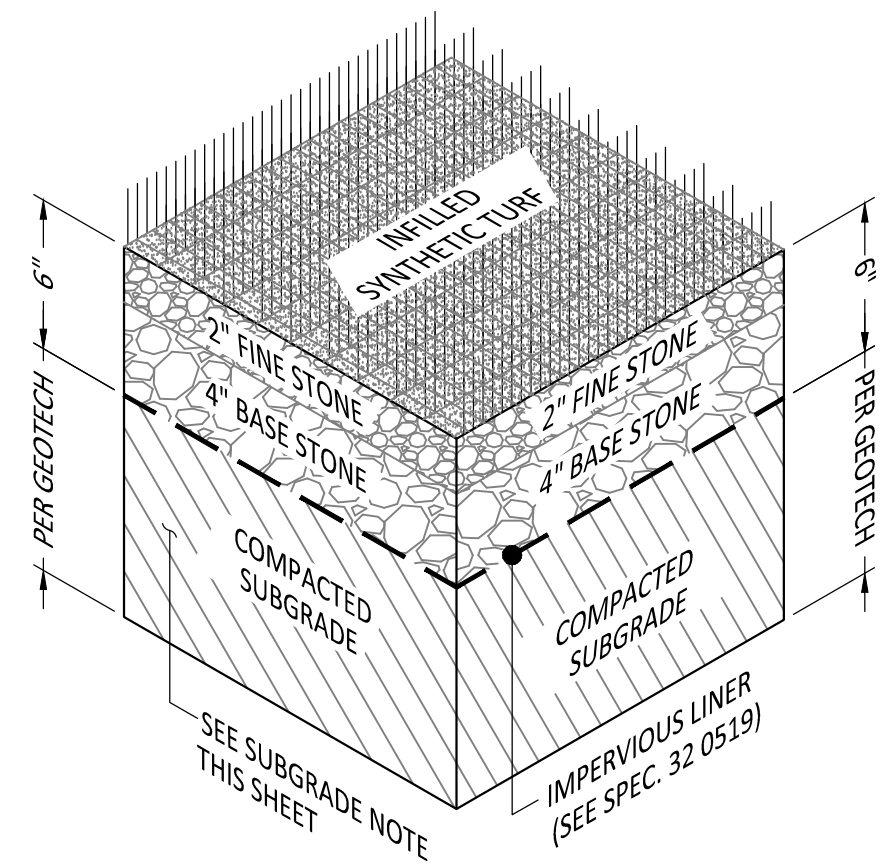


TSCE PROJECT No:	2120
CLIENT NAME:	OAKWOOD ISD
DRAWN BY:	B. SEDA
CHECKED BY:	K. JURADO
DATE:	SEPTEMBER 08, 2021
DRAWING SCALE:	N.T.S.

SPORTS FIELD DETAILS

CS 6.02

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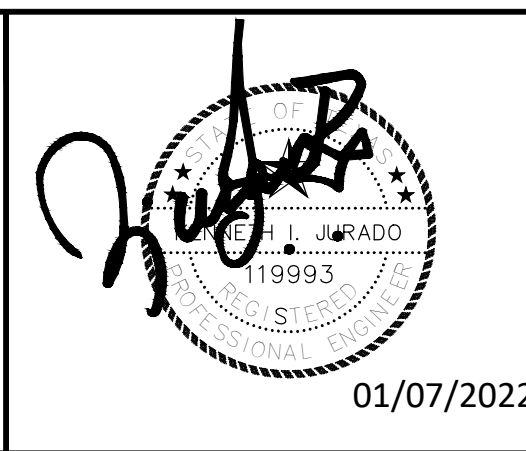


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REV#	REV DATE	REV DESCRIPTION

OAKWOOD ISD
OAKWOOD HIGH SCHOOL
NEW TRACK AND FIELD PROJECT
OAKWOOD, TEXAS

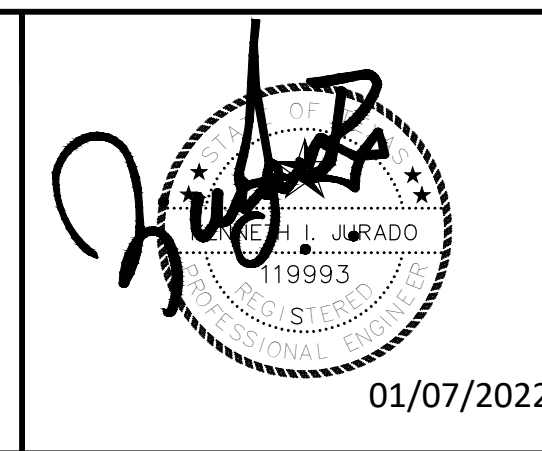


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TRACK AND FIELD DETAILS

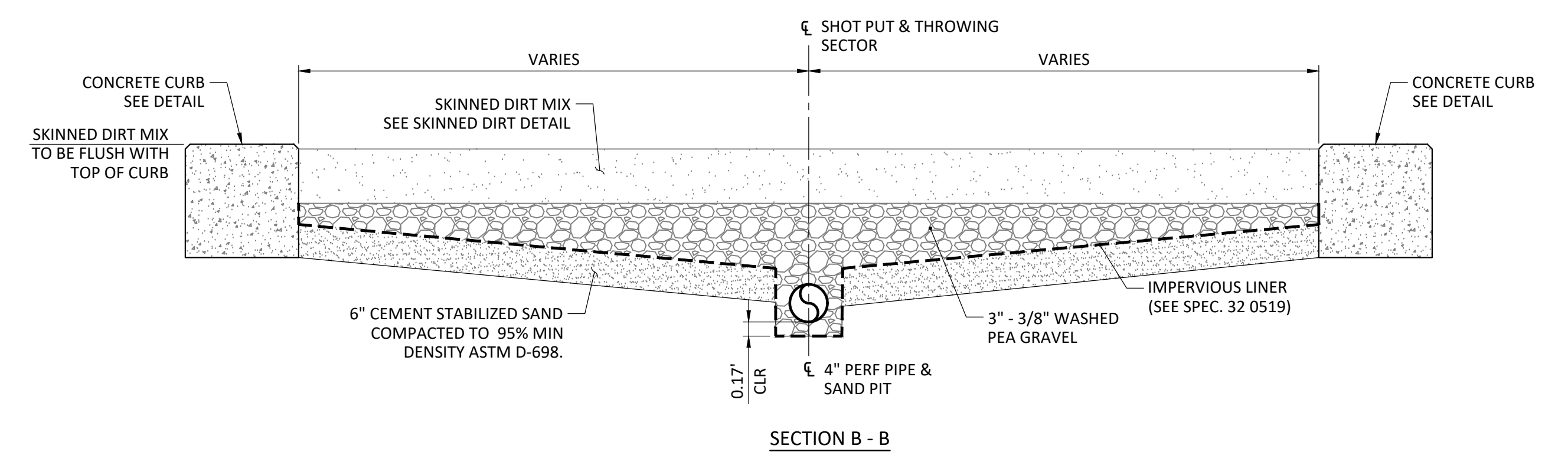
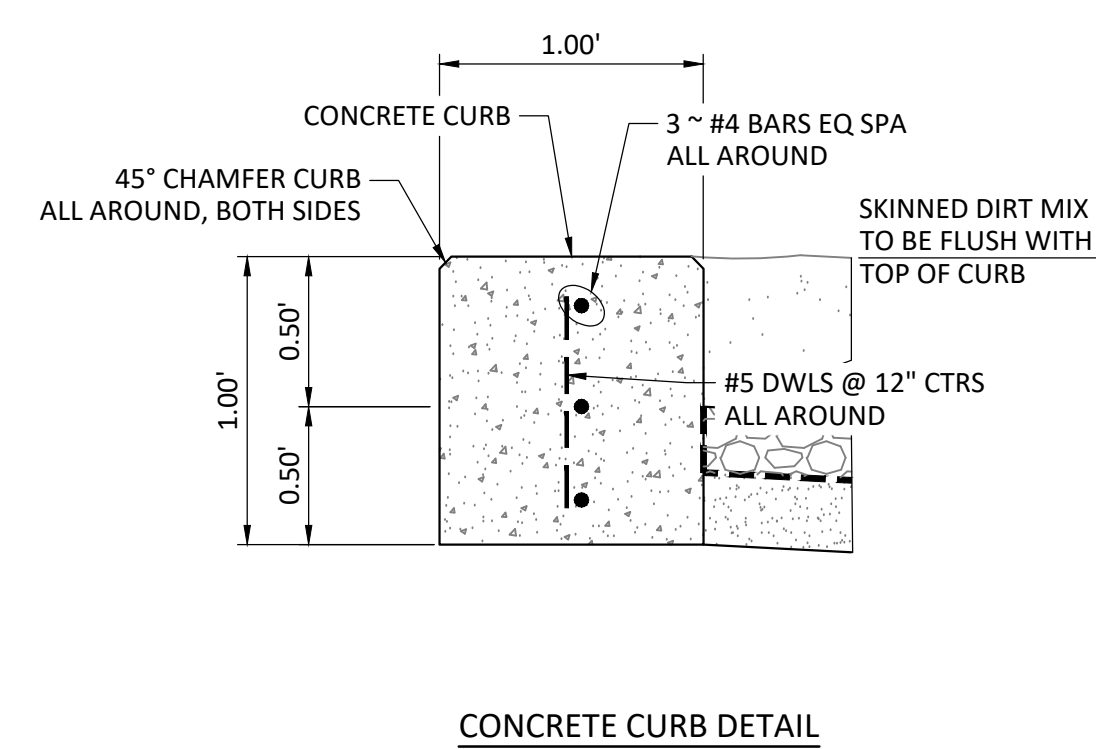
CS 6.03

OAKWOOD ISD
OAKWOOD HIGH SCHOOL
NEW TRACK AND FIELD PROJECT
OAKWOOD, TEXAS



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CHECKED BY:	K. JURADO
DATE:	SEPTEMBER 08, 2021
DRAWING SCALE:	N.T.S

CS 6.04

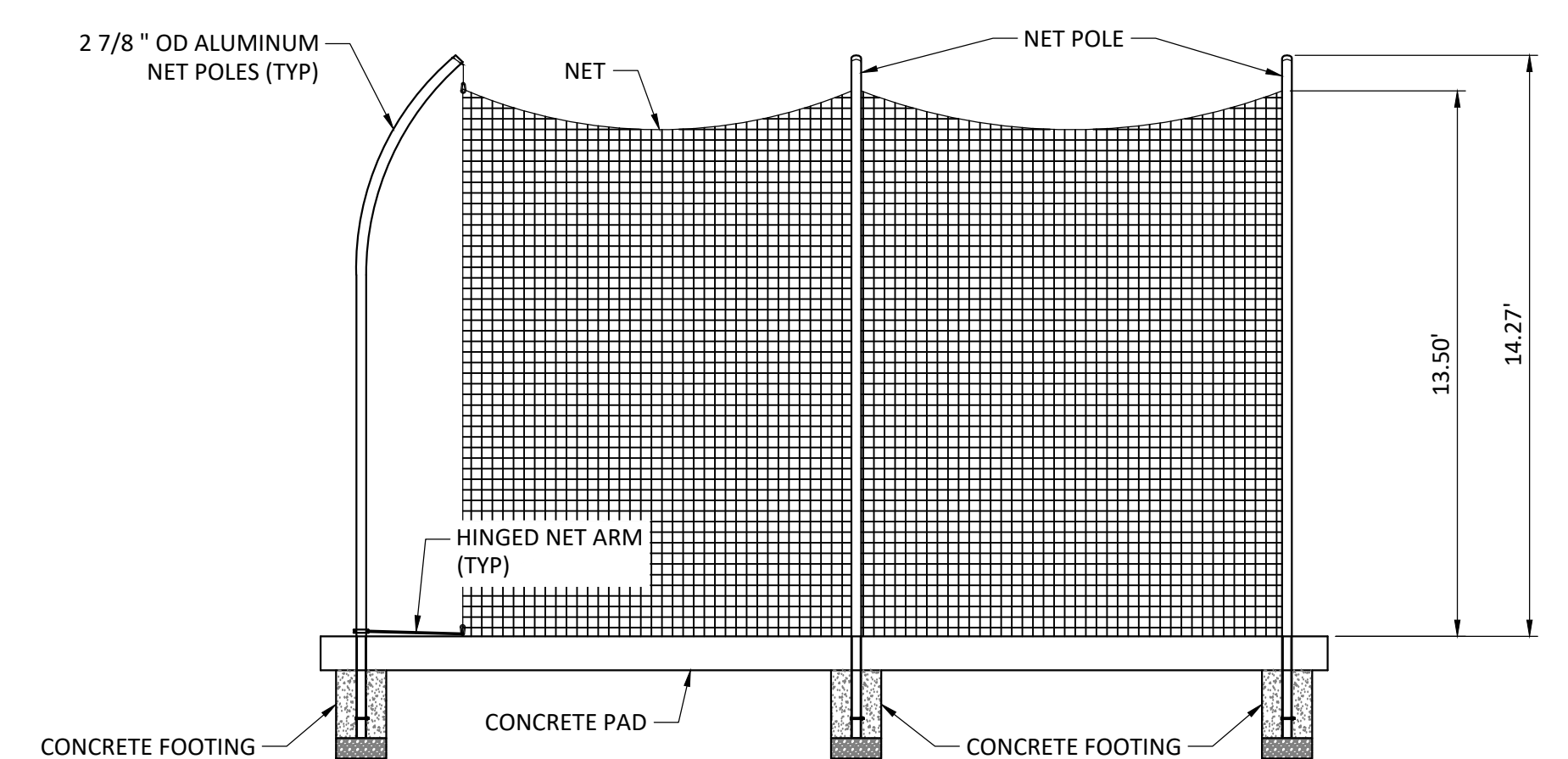
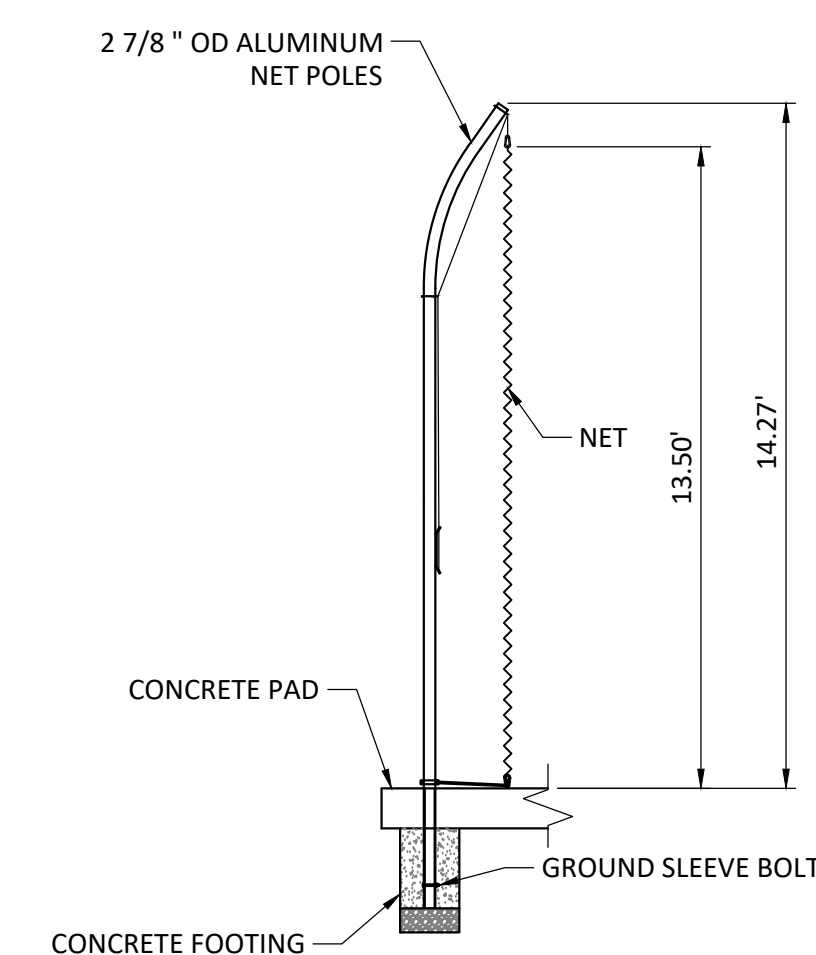
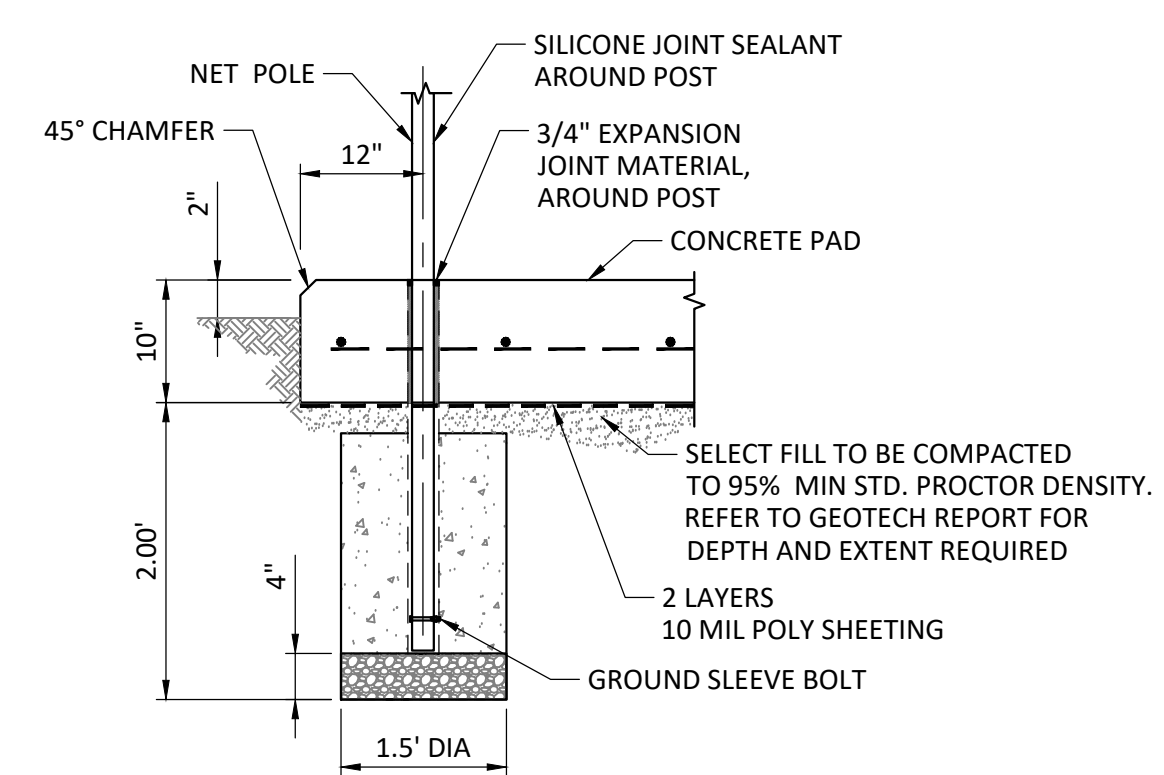
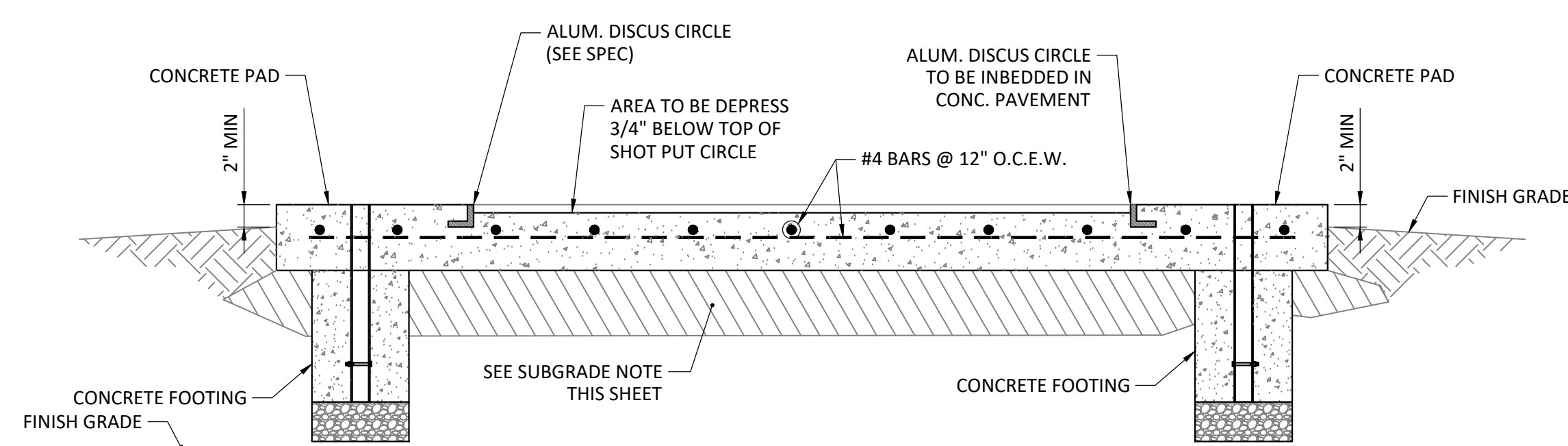
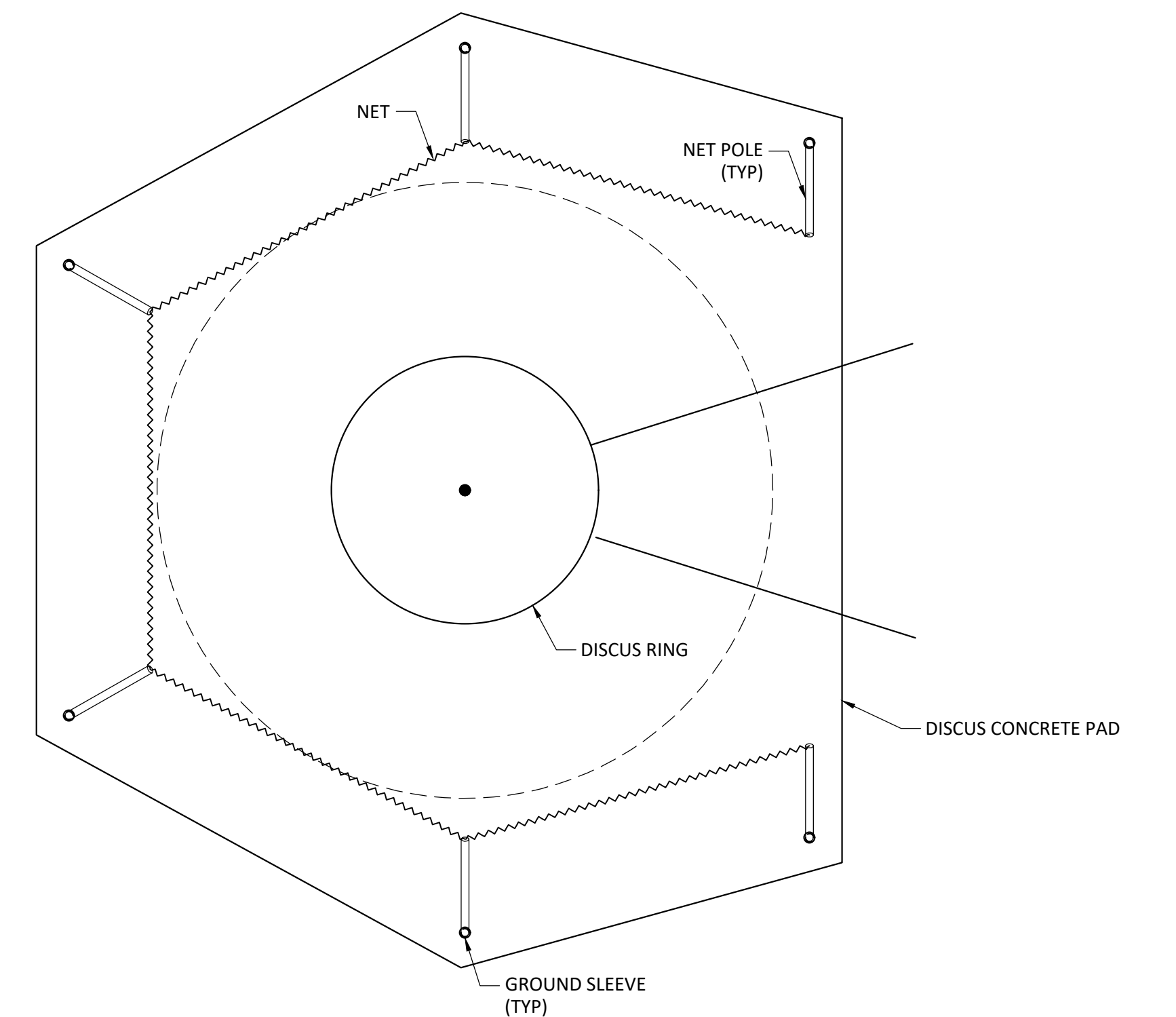
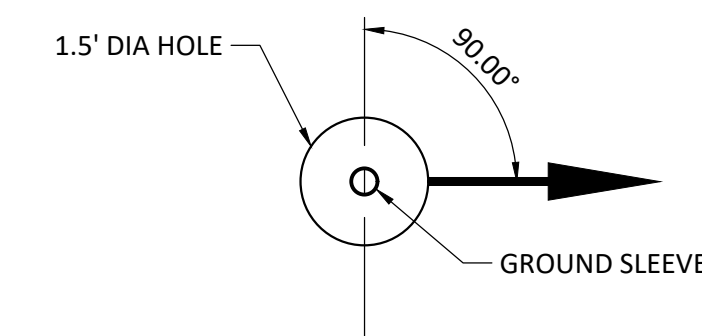
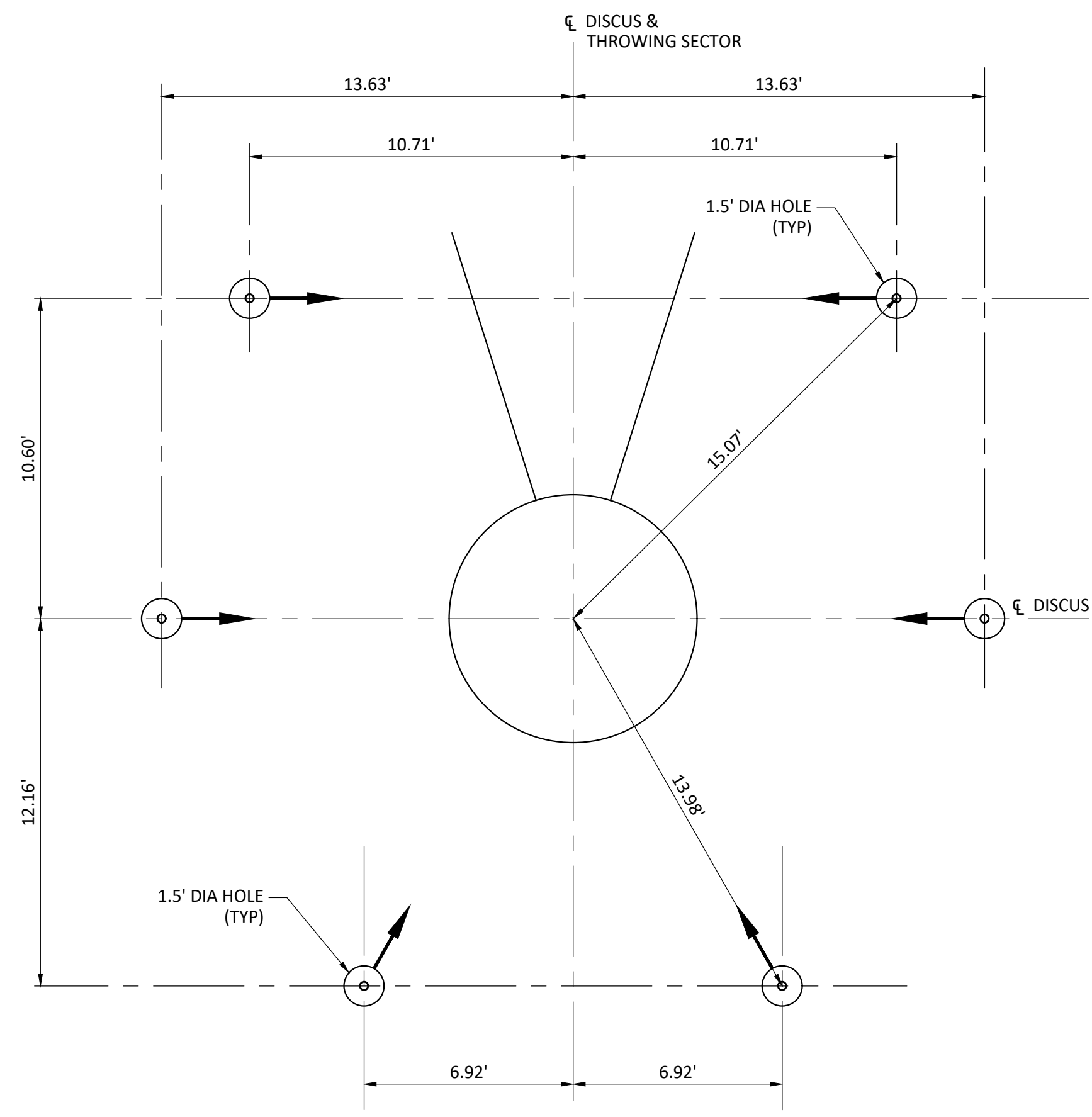
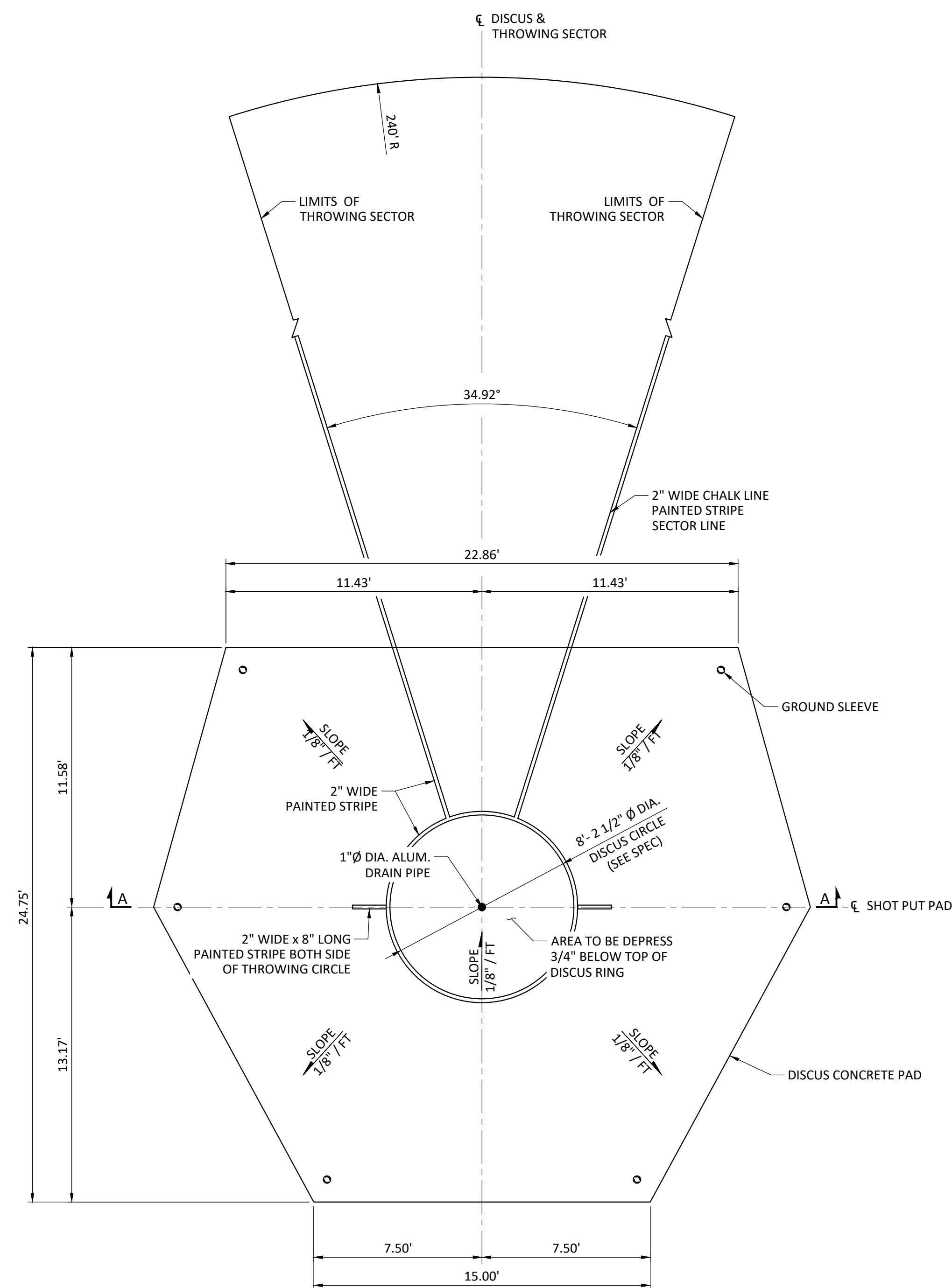


1 SHOT PUT DETAIL
N.T.S.

SUBGRADE NOTE:

CONTRACTOR TO TREAT EXISTING
SUBGRADE PER GEOTECHNICAL REPORT
RECOMMENDATION.

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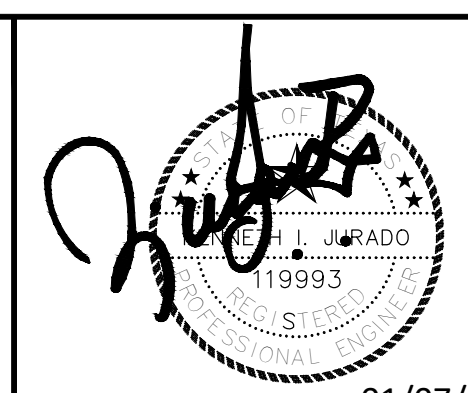
SUBGRADE NOTE:

CONTRACTOR TO TREAT EXISTING
SUBGRADE PER GEOTECHNICAL REPORT
RECOMMENDATION.

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OAKWOOD ISD
OAKWOOD HIGH SCHOOL
NEW TRACK AND FIELD PROJECT
OAKWOOD, TEXAS

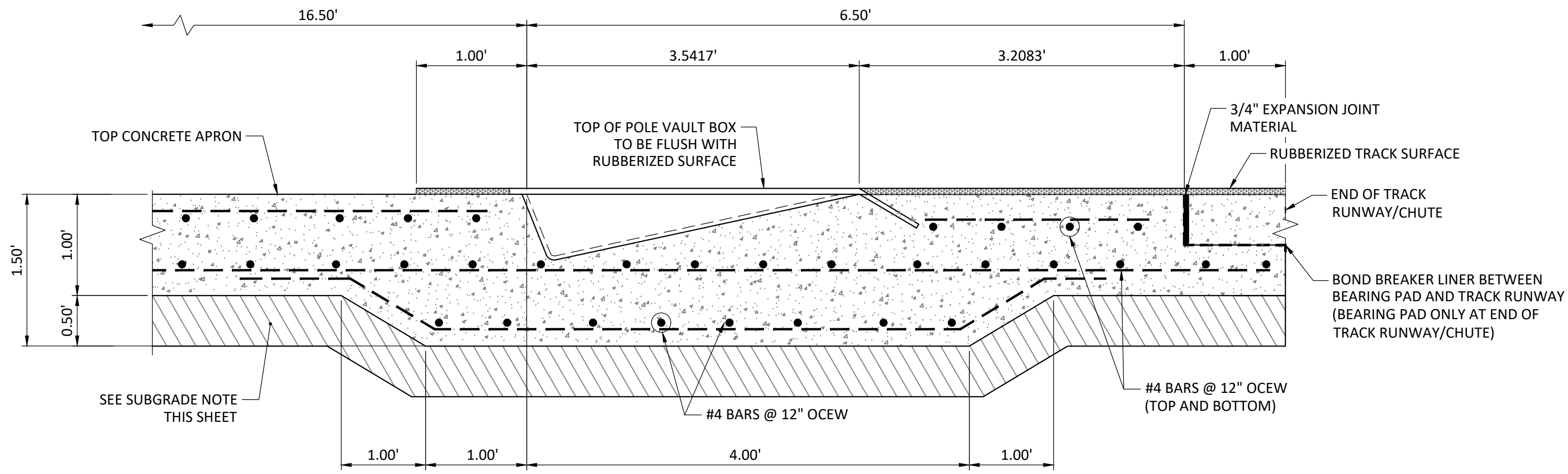
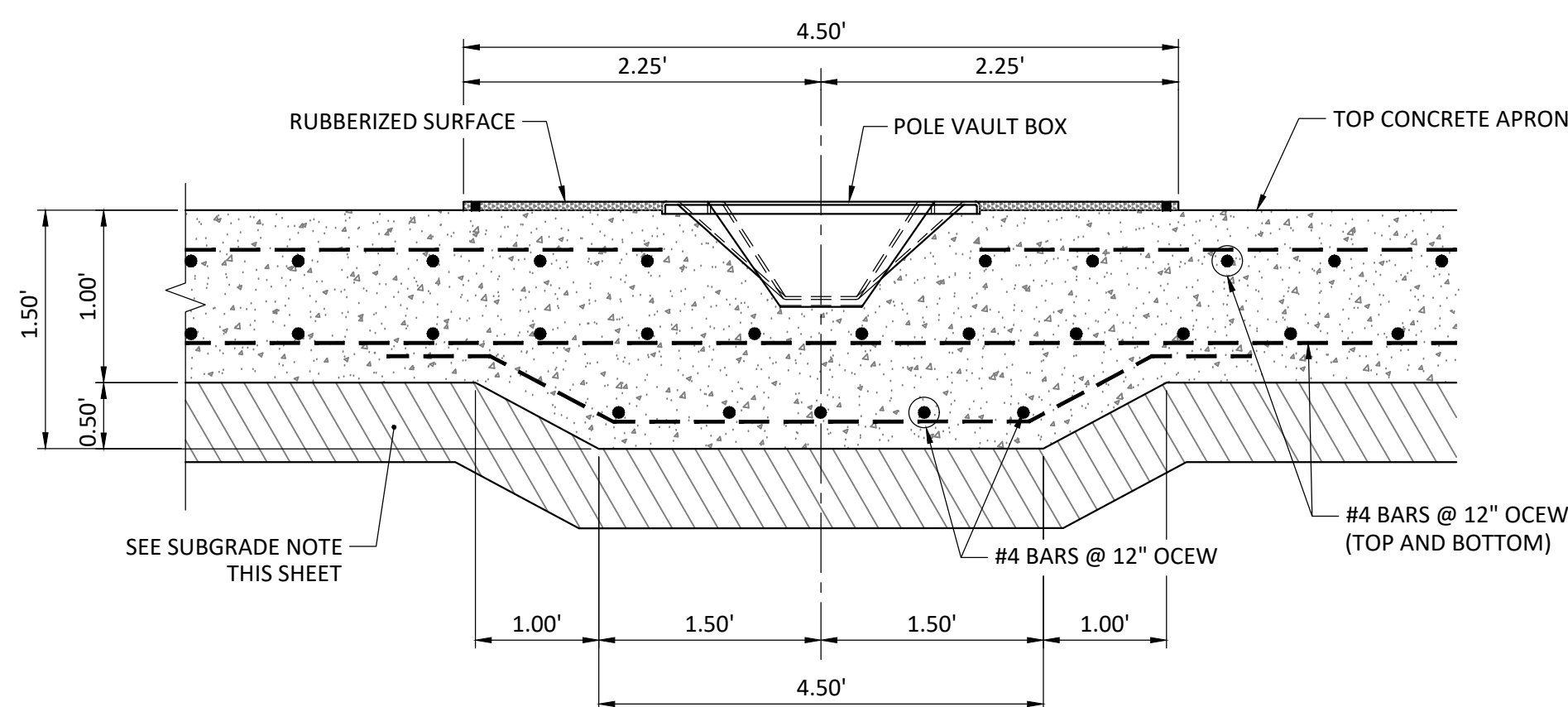
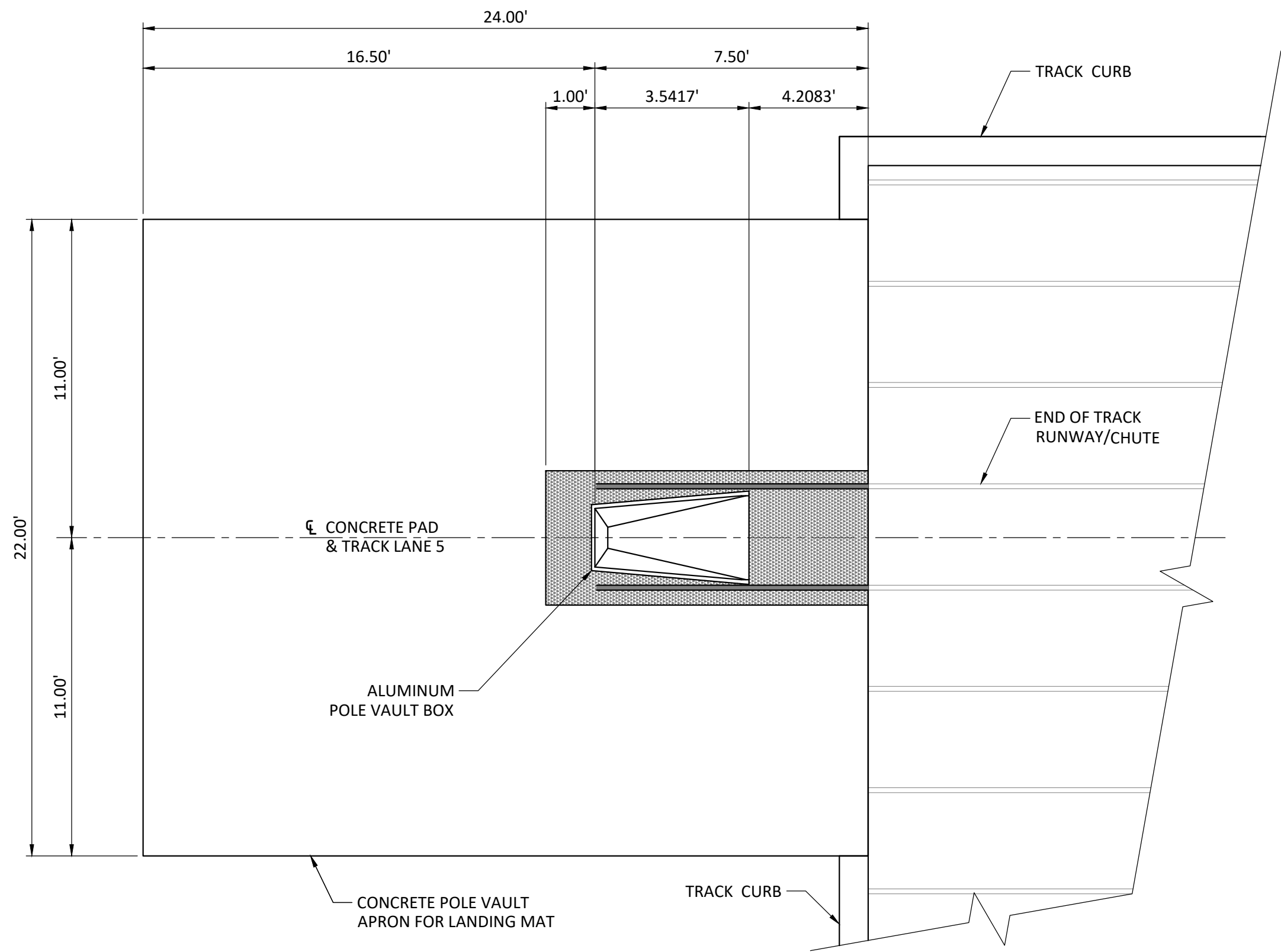


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CLIENT NAME:	OAKWOOD ISD
DRAWN BY:	B. SEDA
CHECKED BY:	K. JURADO
DATE:	SEPTEMBER 08, 2021
DRAWING SCALE:	N.T.S

DISCUS DETAILS

CS 6.05

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1 POLE VAULT DETAILS
N.T.S.

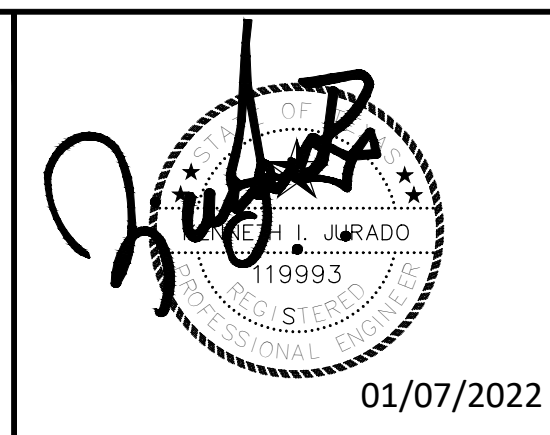
SUBGRADE NOTE:
1. CONTRACTOR TO TREAT EXISTING SUBGRADE PER GEOTECHNICAL REPORT RECOMMENDATION.

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JANUARY 07, 2022
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REVISION		
No.	DATE	DESCRIPTION

OAKWOOD ISD
OAKWOOD HIGH SCHOOL
NEW TRACK AND FIELD PROJECT
OAKWOOD, TEXAS

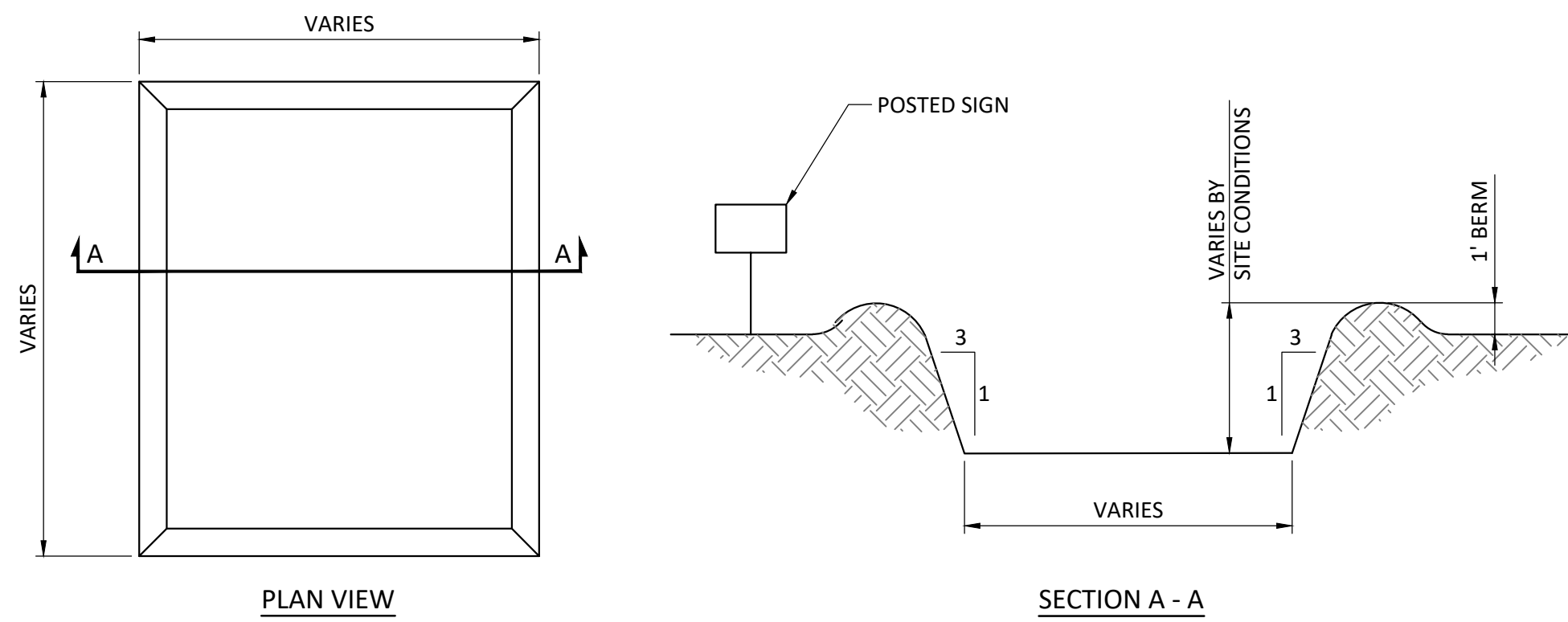


TSCE PROJECT No:	2120
CLIENT NAME:	OAKWOOD ISD
DRAWN BY:	B. SEDA
CHECKED BY:	K. JURADO
DATE:	SEPTEMBER 08, 2021
DRAWING SCALE:	N.T.S.

POLE VAULT DETAILS

CS 6.06

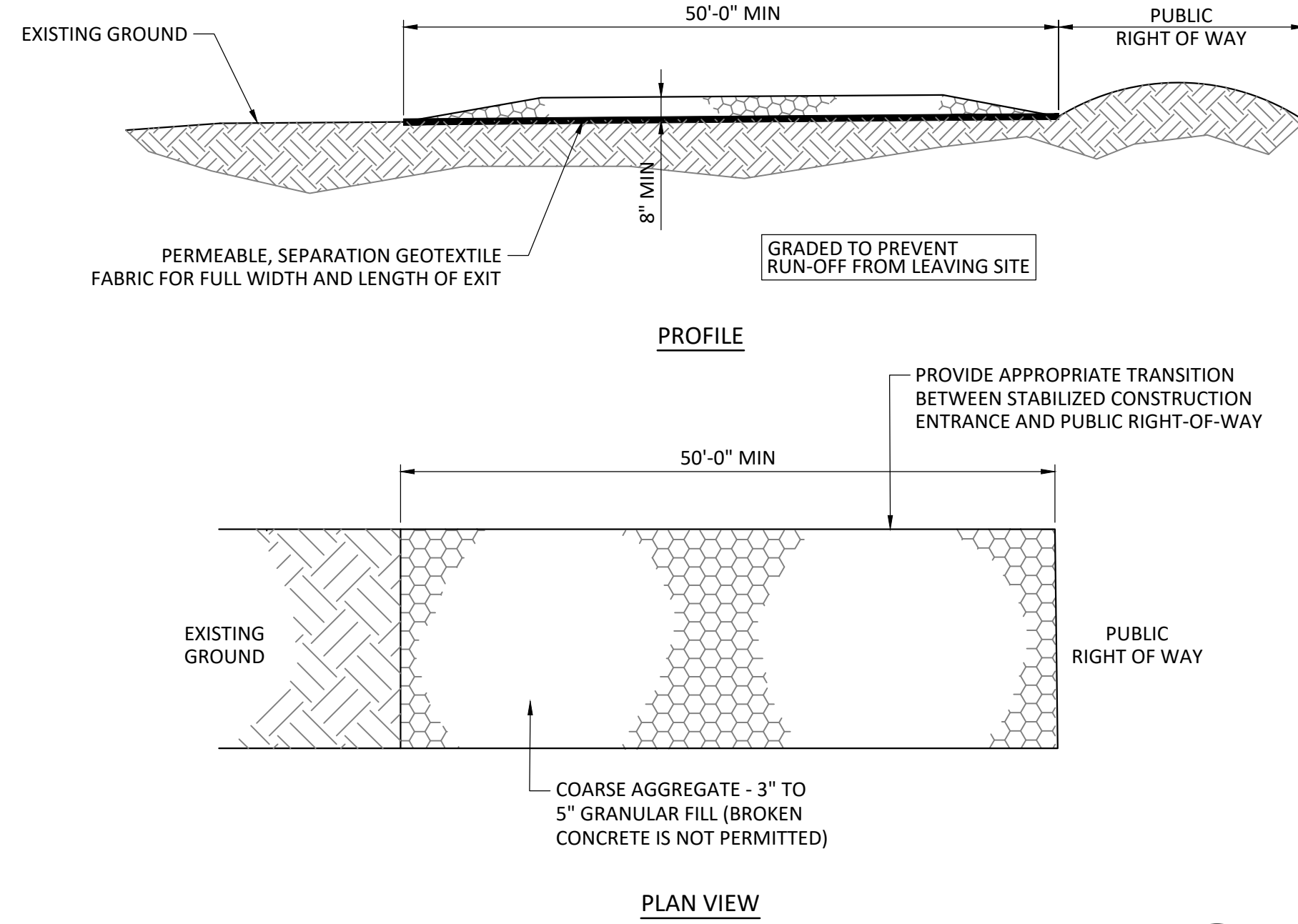
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- GENERAL NOTES:
1. POST A SIGN READING "CONCRETE TRUCK WASHOUT PIT" NEXT TO THE PIT.
 2. VERBALLY INSTRUCT THE CONCRETE TRUCK DRIVERS WHERE THE PIT IS AND TO WASH OUT THEIR TRUCKS IN THE PIT AND NO WHERE ELSE.
 3. UNPON THE CONCRETE SETTING UP (CURING, DRYING OUT), THE CONCRETE WASTE SHALL BE REMOVED FROM THE PROJECT SITE AND DISPOSED OF PROPERLY BY THE CONTRACTOR. AFTER REMOVAL OF THE CONCRETE WASTE, THE WASH OUT PIT SHALL BE FILLED WITH CLEAN FILL MATERIAL AND COMPACTED TO IN-SITU CONDITIONS, OR AS DIRECTED BY THE PROJECT SPECIFICATIONS.
 4. CONCRETE WASH OUT PITS SHALL NOT BE LOCATED DIRECTLY ADJACENT TO, NOR AT ANY TIME DRAIN INTO THE STORM SEWER SYSTEM OR ANY OTHER SWALE, DITCH, OR WATERWAY.
 5. CONSTRUCT ENTRY ROAD AND BOTTOM OF WASHOUT AREA TO SUPPORT EXPECTED LOADINGS FROM TRUCKS EQUIPMENT.

CTW

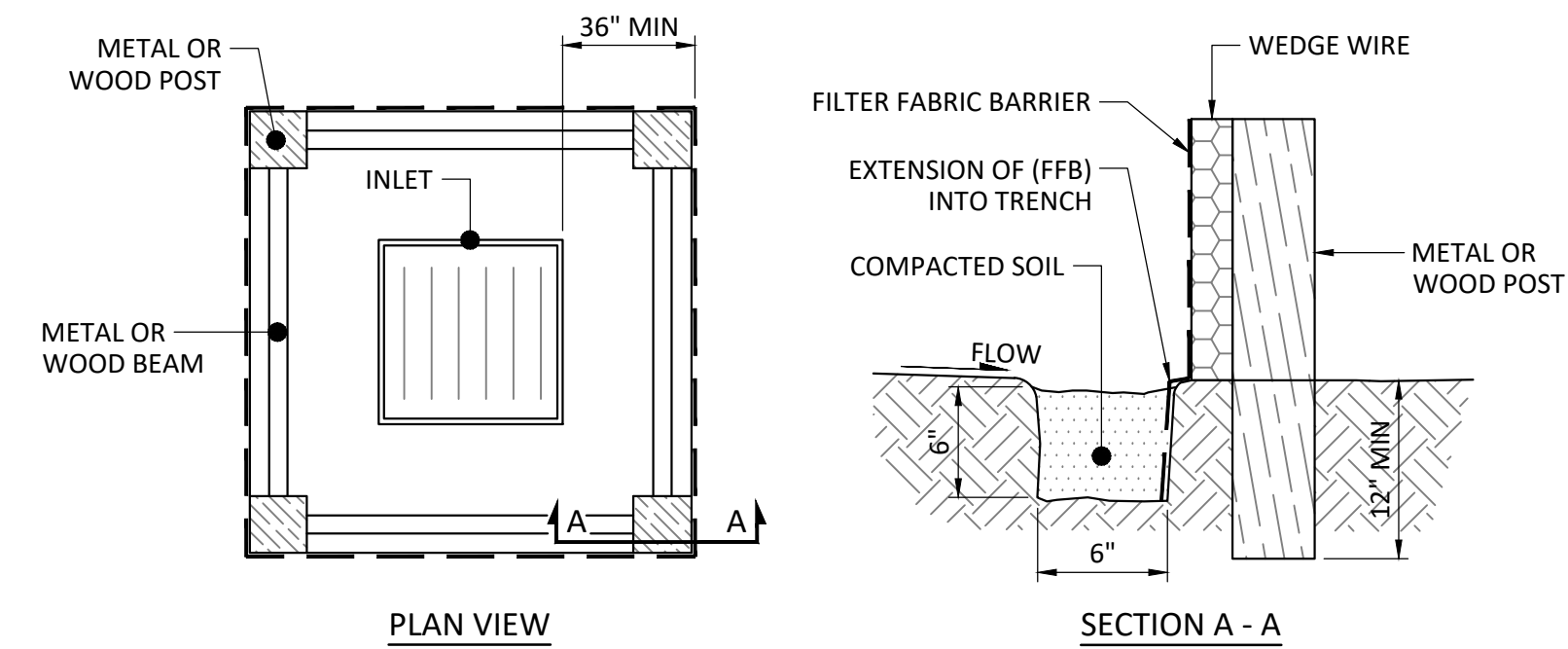
1 CONCRETE TRUCK WASHOUT AREA
N.T.S.



- GENERAL NOTES:
1. MINIMUM LENGTH IS AS SHOWN ON CONSTRUCTION DRAWINGS OR 50 FEET, WHICHEVER IS MORE.
 2. CONSTRUCT AND MAINTAIN CONSTRUCTION EXIT WITH CONSTANT WIDTH ACROSS ITS LENGTH, INCLUDING ALL POINTS OF INGRESS OR EGRESS.
 3. UNLESS SHOWN ON THE CONSTRUCTION DRAWINGS, STABILIZATION FOR OTHER AREAS WILL HAVE THE SAME AGGREGATE THICKNESS AND WIDTH REQUIREMENTS AS THE STABILIZED CONSTRUCTION EXIT.
 4. WHEN SHOWN ON THE CONSTRUCTION DRAWINGS, WIDEN OR LENGTHEN STABILIZED AREA TO ACCOMMODATE A TRUCK WASHING AREA. PROVIDE OUTLET SEDIMENT TRAP FOR THE TRUCK WASHING AREA.
 5. PROVIDE PERIODIC TOP DRESSING WITH ADDITIONAL COARSE AGGREGATE TO MAINTAIN THE REQUIRED DEPTH OR WHEN SURFACE BECOMES PACKED WITH MUD.
 6. PERIODICALLY TURN AGGREGATE TO EXPOSE A CLEAN DRIVING SURFACE.
 7. ALTERNATIVE METHODS OF CONSTRUCTION INCLUDE:
 - CEMENT STABILIZED SOIL: COMPACTED CEMENT STABILIZED SOIL, LIMESTONE AGGREGATE, OR OTHER FILL MATERIAL IN AN APPLICATION OF THICKNESS OF 8 INCHES.
 - WOOD MATS: OAK OR OTHER HARDWOOD TIMBERS PLACED EDGE TO EDGE AND ACROSS SUPPORT WOODEN BEAMS WHICH ARE PLACED ON TOP OF EXISTING SOIL IN AN APPLICATION THICKNESS OF 6 INCHES.
 - STEEL MATS: PERFORATED MATS PLACED ACROSS PERPENDICULAR SUPPORT MEMBERS.

SCH

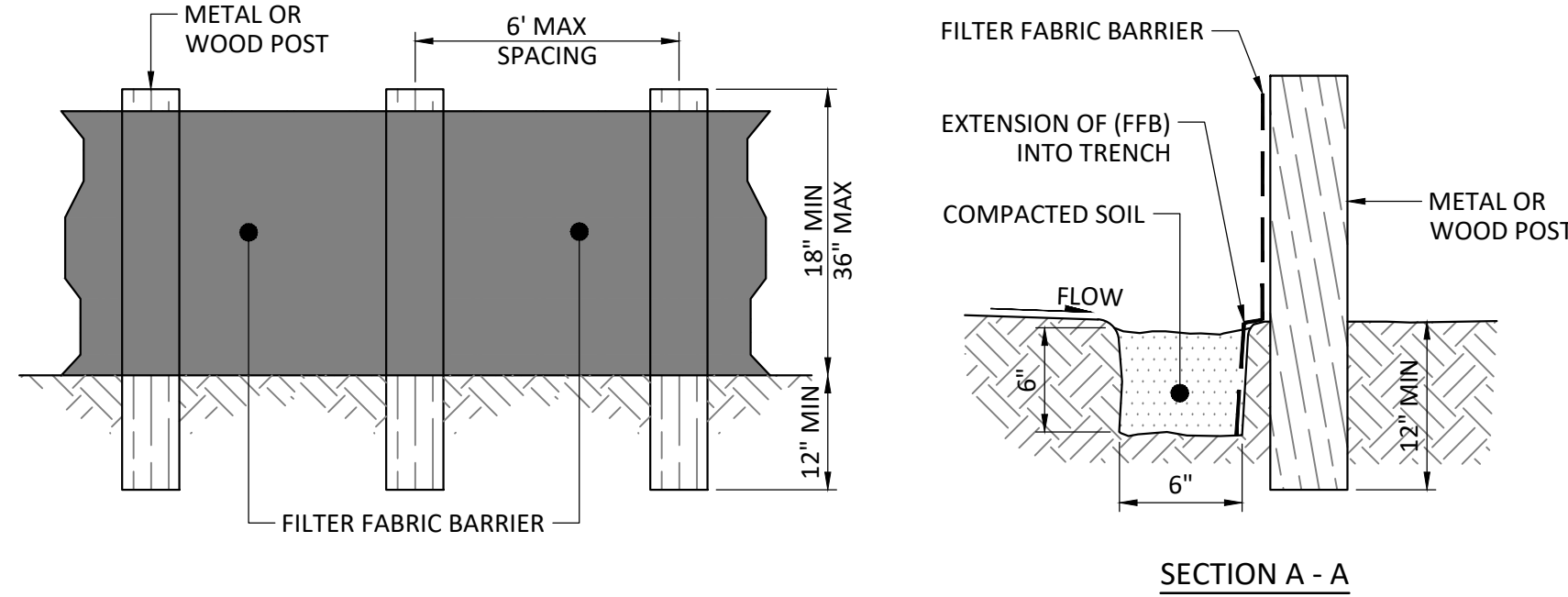
2 STABILIZED CONSTRUCTION ACCESS
N.T.S.



- NOTES:
1. SECURELY FASTEN MESH FENCING TO POSTS WITH STAPLES OR TIE WIRES.
 2. SECURELY FASTEN FILTER FABRIC TO MESH FENCING.
 3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, OVERLAP 6 INCHES AT A POST, FOLD TOGETHER, AND ATTACH TO A POST.
 4. REMOVE SEDIMENT DEPOSITS WHEN SILT REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE IN DEPTH.

IPB

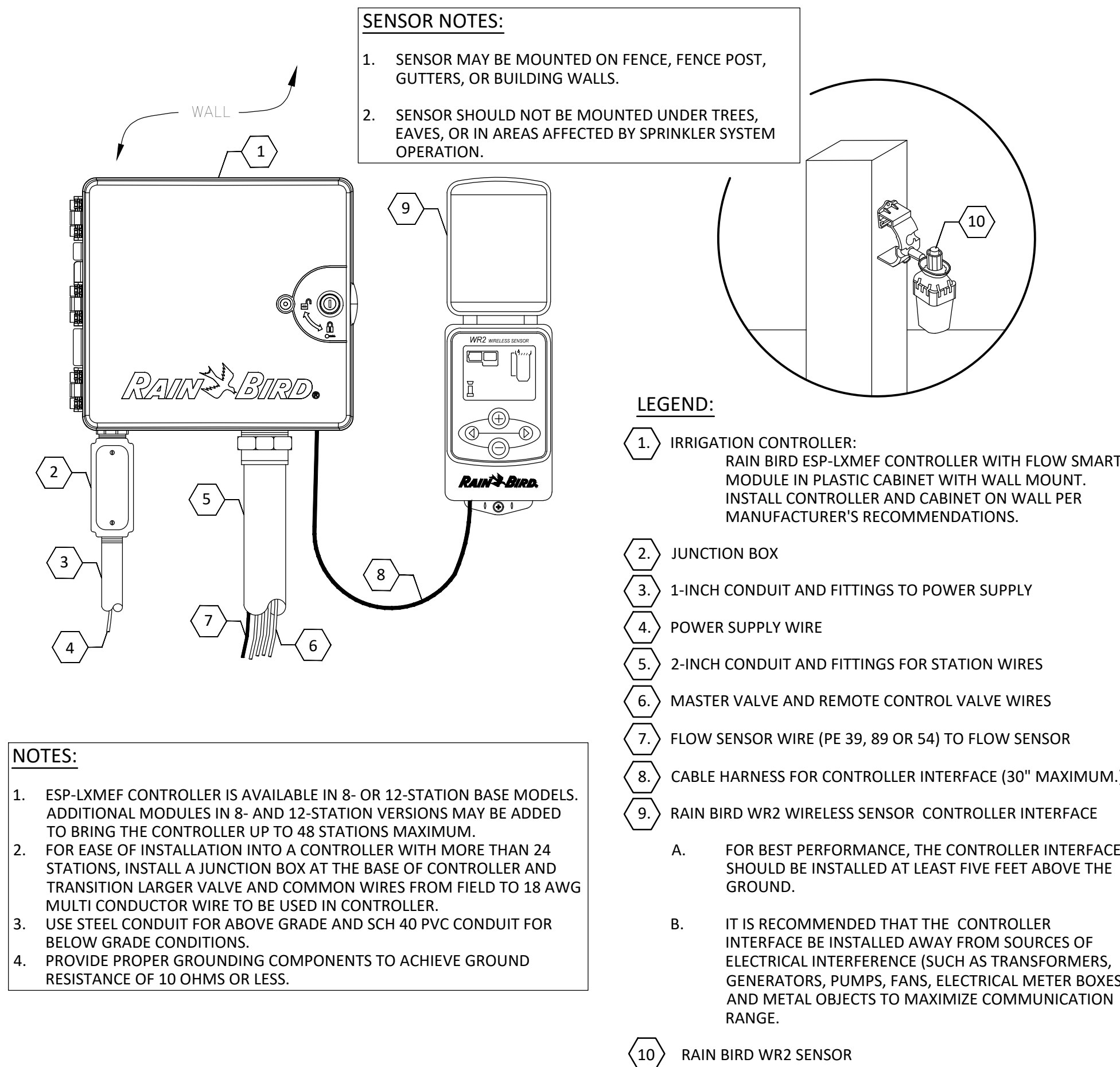
3 INLET PROTECTION BARRIER
N.T.S. STAGE I



- NOTES:
1. SECURELY FASTEN MESH FENCING TO POSTS WITH STAPLES OR TIE WIRES.
 2. SECURELY FASTEN FILTER FABRIC TO MESH FENCING.
 3. WHEN TWO SECTIONS OF FILTER FABRIC ADJOIN EACH OTHER, OVERLAP 6 INCHES AT A POST, FOLD TOGETHER, AND ATTACH TO A POST.
 4. REMOVE SEDIMENT DEPOSITS WHEN SILT REACHES ONE-THIRD OF THE HEIGHT OF THE FENCE IN DEPTH.

FFB

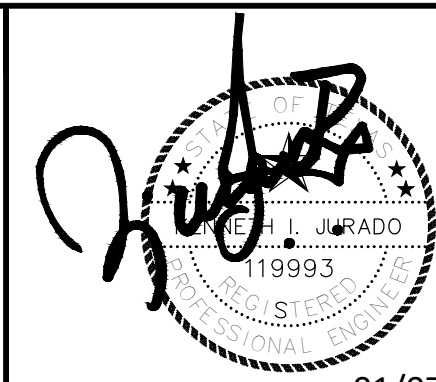
4 FILTER FABRIC BARRIER
N.T.S.



- NOTES:
1. ESP-LXMEF CONTROLLER IS AVAILABLE IN 8- OR 12-STATION BASE MODELS. ADDITIONAL MODULES IN 8- AND 12-STATION VERSIONS MAY BE ADDED TO BRING THE CONTROLLER UP TO 48 STATIONS MAXIMUM.
 2. FOR EASE OF INSTALLATION INTO A CONTROLLER WITH MORE THAN 24 STATIONS, INSTALL A JUNCTION BOX AT THE BASE OF CONTROLLER AND TRANSITION LARGER VALVE AND COMMON WIRES FROM FIELD TO 18 AWG MULTI CONDUCTOR WIRE TO BE USED IN CONTROLLER.
 3. USE STEEL CONDUIT FOR ABOVE GRADE AND SCH 40 PVC CONDUIT FOR BELOW GRADE CONDITIONS.
 4. PROVIDE PROPER GROUNDING COMPONENTS TO ACHIEVE GROUND RESISTANCE OF 10 OHMS OR LESS.

5 ESP-LXMEF CONTROLLER WITH FLOW SMART MODULE
N.T.S. IN PLASTIC CABINET with WR2 SENSOR

OAKWOOD ISD
OAKWOOD HIGH SCHOOL
NEW TRACK AND FIELD PROJECT
OAKWOOD, TEXAS



TSCE PROJECT No:	2120
CLIENT NAME:	OAKWOOD ISD
DRAWN BY:	B. SEDA
CHECKED BY:	K. JURADO
DATE:	SEPTEMBER 08, 2021
DRAWING SCALE:	N.T.S.

MISCELLANEOUS DETAILS

CS 6.07