

Tomball Athletic Improvements

TOMBALL ISD

TOMBALL, TEXAS



TOMBALL MEMORIAL HIGH SCHOOL





ARCHITECT

VLK
20445 State Hwy 249, Suite 350
Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CIVIL ENGINEER

Adico Consulting Engineers
205 E Edgewood Dr.
Friendswood, TX, 77546
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M.E.P. ENGINEER

DBR Engineering Consultants, Inc.
9990 Richmond Avenue South Building,
Suite 300
Houston, Texas 77042
Main Phone: 713.914.0888
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STRUCTURAL ENGINEER

Matrix Structural
5177 Richmond Avenue, Suite 670
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Main Phone: 713.664.0130
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PROGRAM MANAGER

LAN Inc.
3700 West Sam Houston Parkway
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Issued for Bid



09/14/2026

ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No.	Revision Date
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Project Director:

Project Architect: RSJ

Project Designer:

Drawn By: SDR

PROJECT NO.

25-0158.00

SHEET TITLE

COVER

SHEET NO.

COVER

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TOMBALL ISD
TOMBALL, TEXAS

Tomball Athletic Improvements

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TOMBALL ISD

TOMBALL, TEXAS



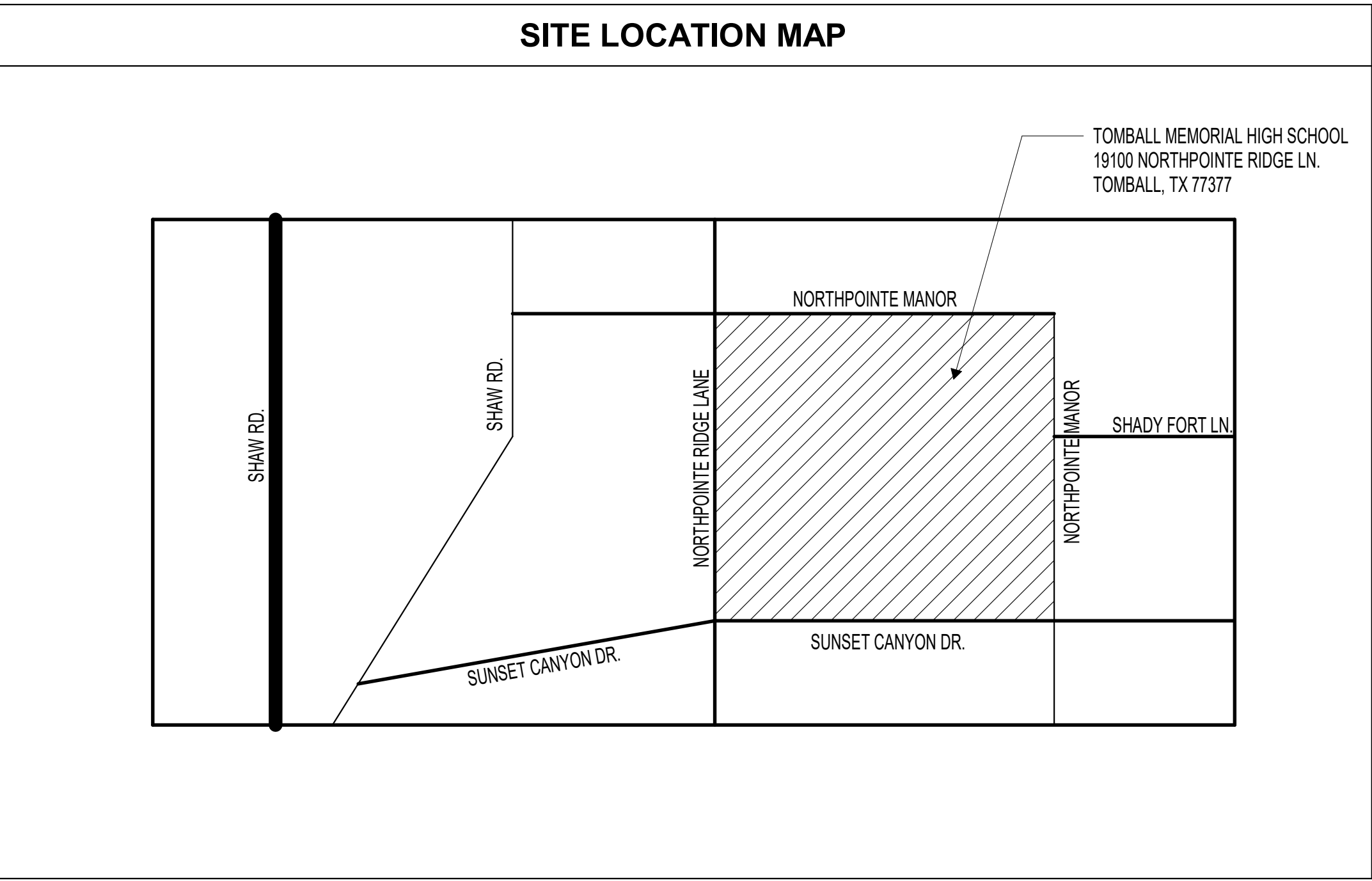
TOMBALL ISD
TOMBALL, TEXAS

ABBREVIATIONS	
A	M (CONT.)
A.F.F.	MOD BIT
A.C.T.	MULL.
ADDL.	M.E.P.
A.B.	M.C.M.
A.C.M.	MIN.
A.D.A.	MISC.
AL/ALUM.	
APPROX.	N
ARCH.	NOM.
A.W.R.B.	N/A
	N.I.C.
	N.T.S.
	NO. or #
B	O
BD.	O.C.
B.O.W.	O.D.
B.U.R.	O.H.
BLDG.	OHD.
	O.F.C.I.
C	O.F.O.I.
CL	
C.R.	P / Q
C.F.S.	PR.
CONC.	P.LAM.
CMU	PL
C.M.	PLUMB.
CONT.	PT.
C.I.	P.C.F.
C.J.	P.S.F.
COORD.	P.S.I.
CORR.	PREFAB.
	PROJ.
	Q.T.
D	R
DIA.	R.
D.O.	REBAR
DN.	REF.
DS.	R.C.P.
	RE
E	REFG.
EA.	REINF.
E.W.	REQD.
ELEC.	R.
E.W.C.	R.D.
ELEV.	R.O.
EQ.	
EQUIP.	S
EXIST.	SIM.
E.J.	S.C.
EXT.	S.A.B.
EIFS	S.A.F.B.
	S.T.C.
	SPEC.
	SQ.
	S.F.
	S.S.
	STRUC.
	SUSP.
G / H	T
GALV.	T.B.
GA.	T.W.
G.C.	T.C.
G.O.	T.A.S.
GYP	T.
HT.	T&B
H.P.	T.O.
H.M.	T.C.
HORIZ.	T.O.D.
H.B.	T.O.J.
H.D.G.	T.O.S.
HR.	T.O.W.
	TYP.
I / J / K	U / V
I.D.	U/C
INSUL.	U.L.
INT.	U.N.O.
I.B.C.	V.I.F.
	VERT.
L	V.C.T.
LAV.	V.W.C.
L.L.H.	
L.L.V.	W / X / Y / Z
LP.	W.C.
L.V.T.	W.R.B.
	WT.
M	W.
MFR.	W/
MFG.	W/O
M.B.	W.P.
M.O.	W.W.F.
MAX.	
MECH.	

SYMBOLS LEGEND		
ROOM NAME A101	ROOM NAME & NUMBER	ALUMINUM-FRAMED GLAZED OPENING SYSTEM
A101	DOOR NUMBER	HOLLOW METAL-FRAMED GLAZED OPENING SYSTEM
AC	ACCESS CONTROL	LOUVER
HB	HORIZONTAL BLINDS	PARTITION TYPE
X1	DEMOLITION KEYNOTE	ACCESSORY OR SPECIALTY ITEM
XXX-01	BUILDING ASSEMBLY TYPE	PLUMBING FIXTURE/ EQUIPMENT
1 A101	BUILDING SECTION	INTERIOR ELEVATION/ CASEWORK ELEVATION
1 A101	WALL SECTION	DETAIL SECTION
1 A101	DETAIL CALLOUT	BUILDING ELEVATION
	DATUM ELEVATION	NORTH ARROW

MATERIAL LEGEND		
EARTH	CERAMIC TILE	
POROUS FILL	GLASS (LARGE SCALE)	
CONCRETE/ GROUT	INSULATION (RIGID FOAM BOARD)	
BRICK	INSULATION (EPS FOAM BOARD)	
CMU (LARGE SCALE)	INSULATION (BATT/ BLANKET)	
MARBLE	INSULATION (SEMI-RIGID BOARD)	
METAL (LARGE SCALE)	WOOD, ROUGH (CONTINUOUS)	
METAL (SMALL SCALE)	WOOD, ROUGH (BLOCKING)	
RESILIENT FLOORING	WOOD, FINISH	
ACOUSTICAL TILE	PLYWOOD (LARGE SCALE)	
TERRAZZO	FIBER CEMENT PANEL	
PLASTER, SAND, GROUT, GYPSUM BOARD	METAL LATH	
	GYPSUM BOARD	

APPLICABLE CODES	
2021 International Building Code w/ City of Tomball Amendments	
2021 International Fire Code w/ City of Tomball Amendments	
2021 International Plumbing Code w/ City of Tomball Amendments	
2021 International Fuel Gas Code w/ City of Tomball Amendments	
2021 International Mechanical Code w/ City of Tomball Amendments	
2020 NFPA 70, National Electrical Code w/ City of Tomball Amendments	
2018 International Energy Conservation Code w/ City of Tomball Amendments	
2012 Texas Accessibility Standards	
2021 International Energy Conservation Code or ASHRAE 90.1-2013	
NOTES	



PROJECT INFORMATION	
PROJECT NAME	
TOMBALL MEMORIAL HIGH SCHOOL	
OWNER	
TOMBALL I.S.D.	
PROJECT LOCATION	
19100 NORTHPOINTE RIDGE LN, TOMBALL, TX, 77377	
TDLR PROJECT REGISTRATION NUMBER:	
TABS2026027196	
APPROXIMATE BUILDING AREAS	
TOTAL BLDG AREA.:	146,560 S.F.
GENERAL NOTES	
- Refer to the CODE-series sheets for Code Information, Design Criteria and Fire Protection Requirements. - Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction. - Based on the applicable design criteria, submit Shop Drawings of the proposed pattern of control joints in masonry veneer, CMU, gypsum board, plaster and stucco to the Architect for review and approval prior to construction. - In case of discrepancies in or between the Contract Documents, the greater quantity or better quality shall be bid. Clarifications regarding the discrepancies shall be requested from the Architect prior to construction, and the resulting interpretations implemented in accordance with the Contract Documents.	

INDEX OF DRAWINGS	
<u>SHEET NO.</u>	<u>SHEET TITLE</u>
GENERAL	COVER
INDEX	INDEX OF DRAWINGS, GENERAL NOTES & ABBREVIATIONS
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C1.00	GENERAL NOTES
C1.01	TOPOGRAPHIC SURVEY
C2.00	DEMOLITION & SWPP PLAN
C3.00	SITE DIMENSION PLAN
C4.00	GRADING AND DRAINAGE PLAN
C5.00	MISCELLANEOUS DETAILS
C6.00	HCED REVIEW SHEET
C7.00	HCFOD REVIEW SHEET
ARCHITECTURAL	
A0.01	DEMO SITE PLAN - OVERALL - TOMBALL MEMORIAL HS
A0.01A	DEMO SITE PLAN - COMPETITION FIELD - TOMBALL MEMORIAL HS
A0.01B	DEMO SITE PLAN - BSBALL/SFBALL FIELDS - TOMBALL MEMORIAL HS
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A1.01	TOMBALL MEMORIAL HS - OVERALL SITE PLAN
A1.01A	TOMBALL MEMORIAL HS - COMPETITION FIELD - SITE PLAN
A1.01B	TOMBALL MEMORIAL HS - BSBALL/SFBALL FIELDS - SITE PLAN
A1.21	TOMBALL MEMORIAL HS - BLEACHER EXPANSION PLAN
A1.21A	TOMBALL MEMORIAL HS - BLEACHER NETTING AND BACKSTOPS
A1.22	STORAGE BUILDING TYP. - ENLARGED PLANS AND ELEVATIONS
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STRUCTURAL	
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MECHANICAL	
M0.01	MECHANICAL SYMBOL LEGEND
M0.11	MECHANICAL GENERAL NOTES
ME1.21D	MECHANICAL/ELECTRICAL SITE PLAN - TOMBALL MEMORIAL HS

ARCHITECT

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Revision No. Revision Date

Project Director:

Project Architect: RSJ

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SHEET TITLE

INDEX OF DRAWINGS, GENERAL NOTES & ABBREVIATIONS

SHEET NO.

INDEX

Tomball Athletic Improvements

CONSTRUCTION PLAN FOR EXISTING SPORTS FIELD IMPROVEMENTS
AT
"TOMBALL MEMORIAL HIGH SCHOOL"
19100 NORTHPOINTE RIDGE LN, TOMBALL, TX 77377
(INSIDE HARRIS COUNTY)
HARRIS COUNTY MUD #282

JOB No.: 25-0158.00 DATE: SEPTEMBER 2026

48 HOUR NOTICE:

48 HOUR NOTICE: CONTRACTOR SHALL NOTIFY HARRIS COUNTY PRIOR TO COMMENCING CONSTRUCTION AND/OR BACKFILLING ANY UTILITIES.
CONTRACTOR(S) TO CONTACT PUBLIC REVIEW DEPARTMENT
☎ (713-274-3931) OR (Public.Review@harriscountytx.gov)

SIGNED/SEALED AS-BUILT DRAWINGS FOR ALL WORK IN THE HARRIS COUNTY ROAD RIGHT OF WAY MUST BE SUBMITTED TO HARRIS COUNTY PER CURRENT REGULATION, PRIOR TO REQUESTING THE INSPECTION AND POWER RELEASE. SUBMIT THE DRAWINGS TO: <https://epermits.harriscountytx.gov/>.

STOP - CALL BEFORE YOU DIG!!

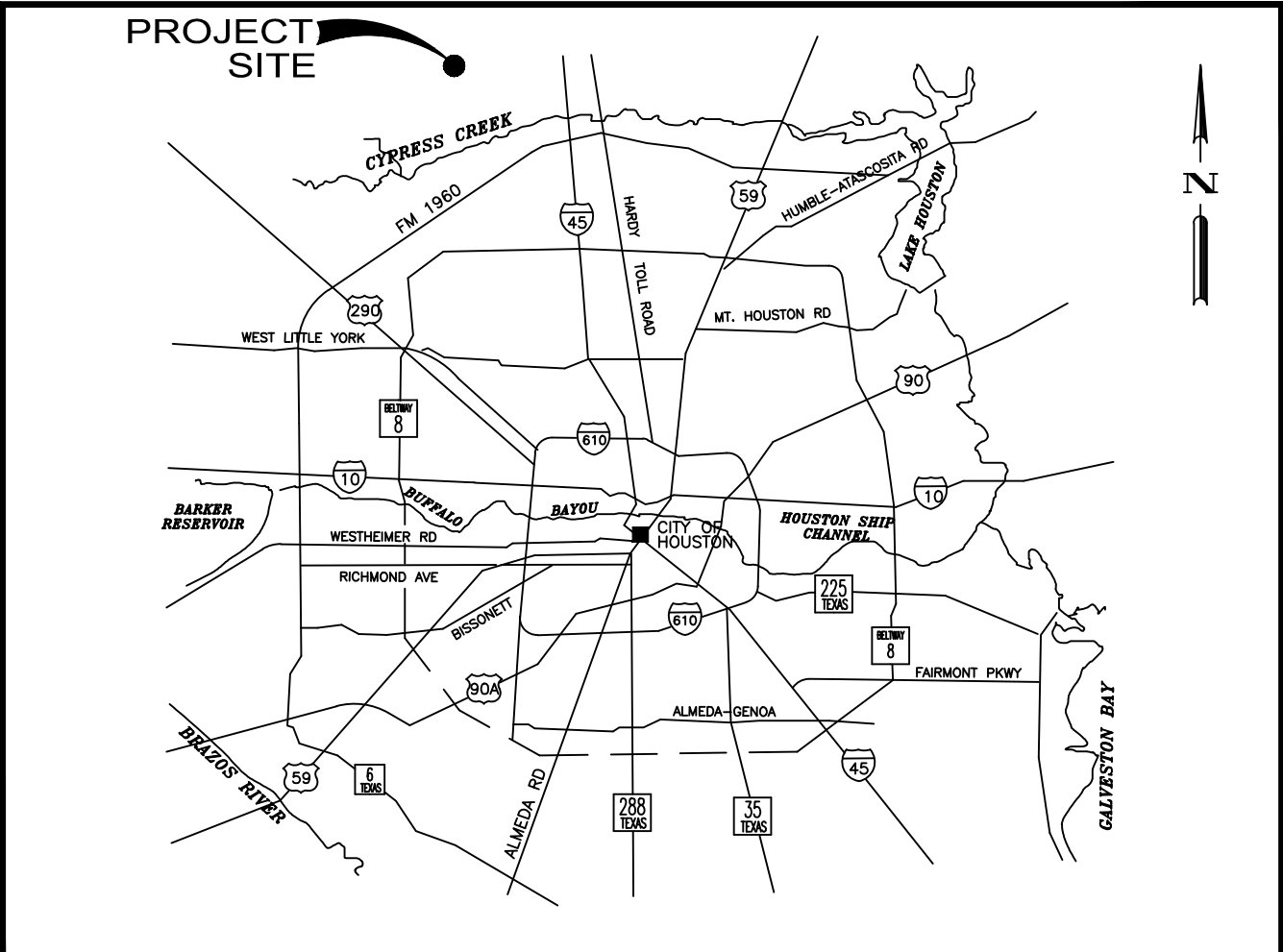
CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITY LINES BY CONTACTING "TEXAS ONE CALL" AT 1-800-245-4545 AT LEAST 48 HOURS BEFORE YOU DIG, DRILL OR BLAST.

EXISTING, WATER, SANITARY, GAS, ELECTRICAL, TELECOMMUNICATIONS AND ALL OTHER UTILITY LINES ARE SHOWN PER RECORD DRAWINGS. CONTRACTOR SHALL VERIFY LOCATION AT THE SITE PRIOR TO CONSTRUCTION.

AUTHORIZATION NOTICE ISSUED BY HARRIS COUNTY ENGINEERING AND PUBLIC INFRASTRUCTURE DEPARTMENT, PERMIT OFFICE, REQUIRED PRIOR TO CONSTRUCTION OF UTILITIES OR LEFT TURN LANES WITHIN HARRIS COUNTY PUBLIC RIGHTS-OF-WAY.

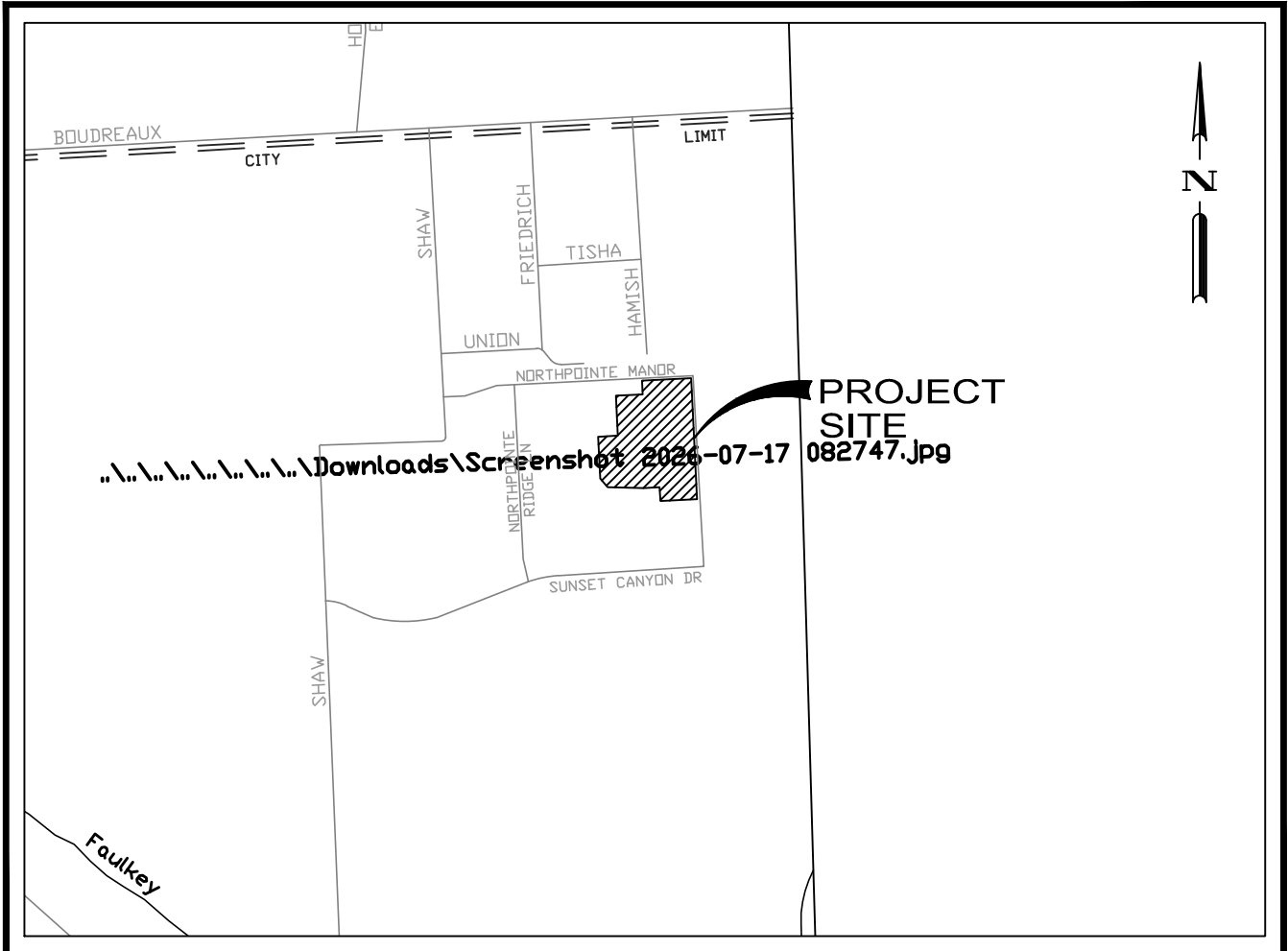
CONTRACTOR AND OWNER SHALL COMPLY WITH THE REGULATIONS OF CITY OF HOUSTON AND HARRIS COUNTY, TEXAS FOR FLOODPLAIN MANAGEMENT.

HARRIS COUNTY MAY HAVE EXISTING UNDERGROUND / OVERHEAD UTILITIES WITHIN THE PROPOSED PROJECT LIMITS. PLEASE CONTACT THE CALL CENTER AT 713-881-3210, OR SUBMIT A WORK ORDER REQUESTS THROUGH <http://www.eng.hctx.net/SignalOut> TO OBTAIN FIELD LOCATES.



LOCATION MAP
NOT TO SCALE

CONTRACTOR AND OWNER SHALL COMPLY WITH THE REGULATIONS OF HARRIS COUNTY, TEXAS FOR FLOOD PLAIN MANAGEMENT.



VICINITY MAP
NOT TO SCALE

PROJECT ADDRESS:

19100 NORTHPOINTE RIDGE LN
TOMBALL, TX 77377

KEY MAP # 328 F
ZIP CODE 77377

SHEET	DESCRIPTION
C0.00	COVER SHEET
C1.00	GENERAL NOTES
1 OF 1	TOPOGRAPHIC SURVEY
C2.00	DEMOLITION & SWPP PLAN
C3.00	SITE DIMENSION PLAN
C4.00	GRADING AND DRAINAGE PLAN
C5.00	MISCELLANEOUS DETAILS
C6.00	HCED REVIEW SHEET
C7.00	HCED REVIEW SHEET



WARNING:

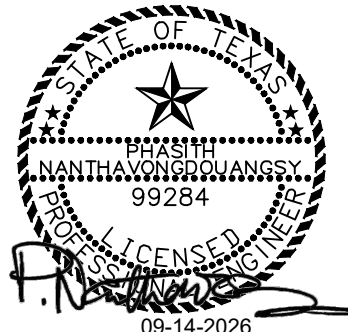
CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITY LINES BY CONTACTING "TEXAS 811" AT 811 OR 713-223-4567 AT LEAST 48 HOURS BEFORE YOU DIG, DRILL OR BLAST.

EXISTING, WATER, SANITARY, GAS, ELECTRICAL, TELECOMMUNICATIONS AND ALL OTHER UTILITY LINES ARE SHOWN PER RECORD DRAWINGS. CONTRACTOR SHALL VERIFY LOCATION AT THE SITE PRIOR TO CONSTRUCTION.

ADICO
CONSULTING ENGINEERS

2114 EL DORADO BLVD, STE. 400, FRIENDSWOOD, TX 77546
PHONE: 332-895-1093 WWW.ADICO-LLC.COM
TBPE FIRM NO. 16423

ADICO, LLC
TBPE FIRM NO. F-16423



SHEET NO.

C0.00

GENERAL NOTES:

1. THESE PLANS WERE PREPARED TO MEET OR EXCEED CURRENT TEXAS COMMISSION ON ENVIRONMENTAL QUALITY, HARRIS COUNTY RULES AND REGULATIONS AS AMENDED.
2. WATER LINES, WASTEWATER COLLECTION SYSTEMS, STORM DRAINAGE SYSTEMS AND STREET PAVING ARE DESIGNED IN ACCORDANCE WITH THE LATEST EDITION OF THE DOCUMENTS – DESIGN MANUAL, STANDARD CONSTRUCTION SPECIFICATIONS, AND DETAILS FOR WASTEWATER COLLECTIONS SYSTEMS, WATER LINES, STORM DRAINAGE AND STREET PAVING” PUBLISHED BY CITY OF HOUSTON AND HARRIS COUNTY’S ENGINEERING DEPARTMENT, CURRENT LATEST EDITION.
3. ALL UTILITIES PRESENTED ON THESE DRAWINGS ARE SHOWN BASED ON THE BEST AVAILABLE INFORMATION. CONTRACTOR SHALL VERIFY IN THE FIELD THE EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION. CONTRACTOR SHALL NOTIFY TEXAS ONE CALL AT 713-223-4567 AT LEAST 48 HOURS BEFORE PROCEEDING WITH ANY EXCAVATION.
4. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR ANY DAMAGES TO EXISTING WATER, WASTEWATER, STORM WATER LINES AND TRAFFIC CONTROL DEVICES. CONTRACTOR SHALL MAKE ALL REPAIRS TO EXISTING UTILITIES WITH HARRIS COUNTY, ENGINEERING DEPARTMENTS "STANDARD CONSTRUCTION SPECIFICATIONS" REFERENCED ABOVE, AT NO COST TO HARRIS COUNTY AND THE OWNER.
5. OWNER TO OBTAIN ALL PERMITS REQUIRED BY HARRIS COUNTY, TEXAS PRIOR TO STARTING CONSTRUCTION OF UTILITIES AND/OR CULVERTS WITHIN HARRIS COUNTY'S ROAD RIGHTS-OF-WAY.
6. CONTRACTOR TO OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY THE "REGULATIONS OF HARRIS COUNTY, TEXAS FOR FLOOD PLAIN MANAGEMENT" PRIOR TO COMMENCING CONSTRUCTION.
7. CONTRACTOR SHALL NOTIFY THE OFFICE OF THE COUNTY ENGINEER, PUBLIC IMPROVEMENTS DEPARTMENT – PERMITS DIVISION AT (713) 274-3931 FOR INSPECTION AT LEAST 48 HOURS PRIOR TO COMMENCING THE CONSTRUCTION.
8. ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY.
9. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT ROOT SYSTEMS OF SHRUBS, PLANTS AND TREES ALONG THE AREA OF EXCAVATION.
10. AUTHORIZATION NOTICE ISSUED BY THE HARRIS COUNTY PUBLIC IMPROVEMENTS DEPARTMENT – PERMIT DIVISION, REQUIRED PRIOR TO CONSTRUCTION OF UTILITIES OR LEFT HAND TURN LANES WITHIN HARRIS COUNTY RIGHT-OF-WAY. CONTACT HARRIS COUNTY PERMIT OFFICE AT (713) 274-3931.
11. CONTRACTOR SHALL COMPLY WITH THE LATEST EDITION OF OSHA REGULATIONS AND THE STATE OF TEXAS LAWS CONCERNING EXCAVATION.
12. IF THE CONSTRUCTION DOES NOT BEGIN WITHIN A YEAR AFTER THE PLANS HAVE BEEN SIGNED, NEW SIGNATURES MUST BE OBTAINED AND LETTERS OF AVAILABILITY MUST BE UPDATED.
13. CONTRACTOR SHALL PREPARE A SET OF "AS-BUILT" DRAWINGS SHOWING ANY FIELD CHANGES MADE TO THE APPROVED ENGINEER PLANS AND SUBMIT TO THE DESIGN CONSULTANT FOR SUBMISSION TO THE CITY ENGINEER.
14. MAINTAIN A MINIMUM OF 12-INCHES (12") CLEARANCE BETWEEN ALL UTILITIES, UNLESS OTHERWISE NOTED ON THE PLANS.
15. ALL UTILITIES WITHIN EASEMENTS SHALL BE LOCATED IN ACCORDANCE WITH STANDARDS OUTLINED BY THE MOST CURRENT UTILITY COORDINATING COMMITTEE DRAWINGS.
16. CONTRACTOR TO OBTAIN ALL CONSTRUCTION PERMITS REQUIRED BY THE REGULATIONS OF HARRIS COUNTY, TEXAS AT HIS EXPENSE PRIOR TO COMMENCEMENT OF WORK.
17. CONTRACTOR SHALL GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS, OR PERSONS IN CHARGE OF PRIVATE AND PUBLIC UTILITIES OR RAILROADS AFFECTED PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL ASSURE HIMSELF THAT ALL CONSTRUCTION PERMITS HAVE BEEN OBTAINED PRIOR TO COMMENCEMENT OF WORK.
18. SEWER MATERIALS, CONSTRUCTION, AND TESTING TO BE IN ACCORDANCE WITH HARRIS COUNTY SPECIFICATIONS STANDARDS, LATEST PRINTING OF AMENDMENTS THERETO.
19. FLOW LINE ELEVATIONS AT MANHOLES ARE BASED ON DISTANCE BETWEEN MANHOLES AND NOT CENTERLINE RIGHT-OF-WAY STATIONING.
20. NATURAL GROUND ON PLAN AND PROFILE SHEETS ARE FOR CENTERLINE OF ROADWAY ONLY, UNLESS OTHERWISE NOTED ON THE PLANS.
21. ALL EXCAVATION UNDER PROPOSED AND FUTURE PAVEMENT OR WITHIN TWO FEET BEHIND BACK OF ALL CURBS TO BE BACKFILLED WITH 1-1/2 SACKS CEMENT PER CUBIC YARD CEMENT STABILIZED SAND TO BOTTOM OF SUBGRADE. THE REMAINING BACKFILL TO BE MADE WITH COMPACTED-SELECT MATERIALS PLACED IN 8-INCH MAXIMUM LAYERS AND COMPACTED TO A DENSITY OF 95% STANDARD PROCTOR.
22. ALL PROPOSED PIPE STUB-OUTS ARE TO BE PLUGGED. PLUG STORM SEWER PIPES WITH 3-INCH BRICK WALL; SANITARY SEWERS AND WATERLINES WITH PLUG AND CLAMP.
23. CONTRACTOR TO REMOVE PLUGS AND CONNECT TO EXISTING UTILITY LINES AS INDICATED ON PLANS.
24. UNLESS OTHERWISE NOTED ON PLANS, WHERE SANITARY AND/OR STORM SEWER MANHOLES ARE LOCATED WITHIN THE STREET R.O.W. OR EASEMENTS, CONTRACTOR SHALL SET RIM ELEVATIONS 3 TO 6 INCHES ABOVE FINISHED GROUND ELEVATION. FINISHED GROUND ELEVATION TO BE A STRAIGHT LINE FROM NATURAL GROUND AT PROPERTY LINE TO TOP OF CURB. UTILITY CONTRACTOR TO MAKE FINAL RIM ELEVATION ADJUSTMENTS SUBSEQUENT TO FINAL LOT GRADING.
25. ALL BASES FOR SANITARY AND STORM SEWER MANHOLES TO BE REINFORCED WITH #4 BARS AT 12-INCH C-C EACH WAY OR 6x6x6 GAUGE WELDED WIRE MESH. CONCRETE FOR SANITARY MANHOLES BASES TO BE 6 SACK CEMENT/C.Y. CONCRETE AND FOR STORM MANHOLES IT SHALL BE 5 SACKS CEMENT/C.Y.
26. FILL TO BE PLACED IN MAXIMUM 8-INCH LIFTS AND COMPACTED TO A MINIMUM OF 95% STANDARD PROCTOR DENSITY PER ASTM D-698.
27. ALL UNSATISFACTORY AND/OR WASTE MATERIALS INCLUDING VEGETATION, ROOTS, CONCRETE, AND DEBRIS SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR. NO DIRECT PAYMENT WILL BE MADE, BUT SHALL BE CONSIDERED AS INCIDENTAL TO THE VARIOUS BID ITEMS.
28. CONTRACTOR IS RESPONSIBLE FOR CLEANING MUD AND/OR DIRT TRACKED ONTO EXISTING STREETS BY HIS WORKMEN'S, SUPPLIER'S, OR SUBCONTRACTOR'S VEHICLES. STREETS MUST BE CLEANED WITHIN 2 HOURS OF WHEN THE TRACKING OCCURS. NO SEPARATE PAY.
29. RETESTING OF ALL UTILITIES AND ACCEPTANCE BY HARRIS COUNTY SUBSEQUENT TO THE PAVEMENT CONSTRUCTION WILL BE THE UTILITY CONTRACTOR'S RESPONSIBILITY. NO SEPARATE PAY.

30. CONTRACTOR IS HEREBY INFORMED THAT ALL TRENCHING AND SHORING WILL BE DONE IN STRICT ACCORDANCE WITH THE LATEST OSHA STANDARDS.

31. TRAFFIC CONTROL CONSTRUCTION WARNING SIGNALS AND FLAGMEN, WHEN NECESSARY, SHALL BE PROVIDED BY THE CONTRACTOR AT NO SEPARATE PAY. OPERATION ON ROADS SHALL BE PERFORMED IN SUCH A MANNER THAT OPERATING EQUIPMENT AND EXCAVATED MATERIAL ARE KEPT OFF THE PAVEMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING TEMPORARY TRAFFIC CONTROL DEVICES AS PER THE TEXAS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.

32. BORE PITS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ALL HARRIS COUNTY RULES AND REGULATIONS REGARDING SIZE, LOCATION, DEPTH, BACKFILL AND SHEETING REQUIREMENTS.

33. ANY SOIL BORINGS THE CONTRACTOR REQUIRES ARE TO BE DONE BY THE CONTRACTOR AT HIS EXPENSE.

34. ALL DISTURBED AREAS WITHIN THE RIGHT-OF-WAY SHALL BE RESTORED TO ITS EXISTING CONDITION BY HYDROMULCH SEEDING AS PER THE SATISFACTION OF HARRIS COUNTY, ENGINEER AND THE OWNER.

35. OVERHEAD LINES MAY EXIST ON THE PROPERTY. WE HAVE NOT MARKED THOSE LINES SINCE THEY ARE CLEARLY VISIBLE, BUT CONTRACTOR SHOULD LOCATE THEM PRIOR TO CONSTRUCTION. TEXAS LAW, SECTION 752, HEALTH & SAFETY CODE, FORBIDS ALL ACTIVITIES IN WHICH PERSONS OR THINGS MAY COME WITHIN SIX FEET (6') OF LIVE OVERHEAD HIGH VOLTAGE LINES. CONTRACTORS AND OWNERS ARE LEGALLY RESPONSIBLE FOR SAFETY OF CONSTRUCTION WORKERS UNDER THIS LAW. THIS LAW CARRIES BOTH CRIMINAL AND CIVIL LIABILITY. TO ARRANGE FOR LINES TO BE TURNED OFF OR MOVED, CALL CENTERPOINT ENERGY.

36. ANY DEBRIS, ROOTS, ETC. LEFT OVER FROM THE SITE CLEARING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE & DISPOSE.

STORM SEWER AND DRAINAGE NOTES:

1. STORM SEWER MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO THE LATEST HARRIS COUNTY STANDARDS OF CONSTRUCTION WITH ALL AMENDMENTS THERETO, AND THESE PLANS AND SPECIFICATIONS.
2. ALL STORM SEWER PIPES LOCATED UNDER OR WITHIN TWO FEET OF PROPOSED OR FUTURE PAVING SHALL BE BACKFILLED WITH CEMENT STABILIZED SAND (1-1/2 SACK/CUBIC YARD) UP TO BOTTOM OF SUBGRADE.
3. ALL STORM SEWER PIPES IN THE RIGHT OF WAY TO BE R.C.P. C-76, CLASS III, WITH RUBBER GASKET JOINTS, BEDDED PER HARRIS COUNTY DETAILS, AS APPROPRIATE. PRIVATE STORM SEWER SHALL BE HDPE AND HP STORM (HIGH-PERFORMANCE POLYPROPYLENE), SMOOTH INTERIOR, WATERTIGHT JOINT, UNLESS OTHERWISE NOTED.
4. CATCH BASIN INLETS SHALL BE TYPE "A", CURB INLET SHALL BE B-B INLET UNLESS OTHERWISE NOTED.
5. FIRST STAGE INLET TO BE CONSTRUCTED TO WITHIN APPROXIMATELY ONE FOOT BELOW BOTTOM OF PROPOSED PAVEMENT. COVER WITH TIMBER GRATE.
6. ALL STORM SEWER MANHOLES SHALL BE STANDARD, TYPE "C" UNLESS OTHERWISE NOTED.
7. MANHOLE & INLET COVERS SHALL BE CAST WITH THE LOGO "STORM" AND BE RATED FOR H-20 DESIGN LOADING.
8. CEMENT STABILIZED SAND BEDDING AND/OR BACKFILL FOR INSTALLATION UNDER OR WITHIN ONE FOOT OF PAVEMENT SHALL NOT BE PAID FOR DIRECTLY, BUT SHALL BE INCLUDED IN THE UNIT PRICE OF STORM SEWER PIPE.

SHEET

C1.00
1 OF 1
C2.00
C3.00
C4.00
C5.00
C6.00
C7.00

DESCRIPTION

GENERAL NOTES
TOPOGRAPHIC SURVEY
DEMOLITION & SWPPP PLAN
SITE DIMENSION PLAN
GRADING AND DRAINAGE PLAN
MISCELLANEOUS DETAILS
HCED REVIEW SHEET
HCED REVIEW SHEET



ARCHITECT

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Houston, Texas 77070
Main Phone: 281.671.2300
www.vlkarchitects.com

CIVIL ENGINEER

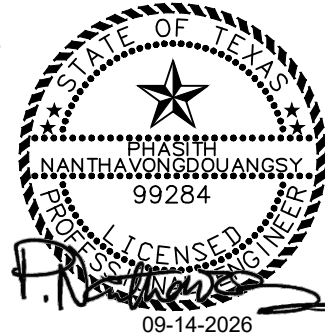
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PROGRAM MANAGER

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Issued for Bid

ADICO, LLC
TYPE FIRM
NO. F-16423



ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No. Revision Date

Project Director:

Project Architect:

Project Designer:

Drawn By:

PROJECT NO.

25-0158.00

SHEET TITLE

GENERAL NOTES

SHEET NO.

C1.00

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TISD ATHLETIC SITE IMPROVEMENTS

TOMBALL ISD
25MCBW01

NOTES:

1. BEARINGS BASED ON THE TEXAS COORDINATE SYSTEM OF 1983, SOUTH CENTRAL ZONE, NAD 83.
2. THIS PLAT IS ACCOMPANIED BY A SEPARATE METES AND BOUNDS DESCRIPTION OF EVEN DATE.

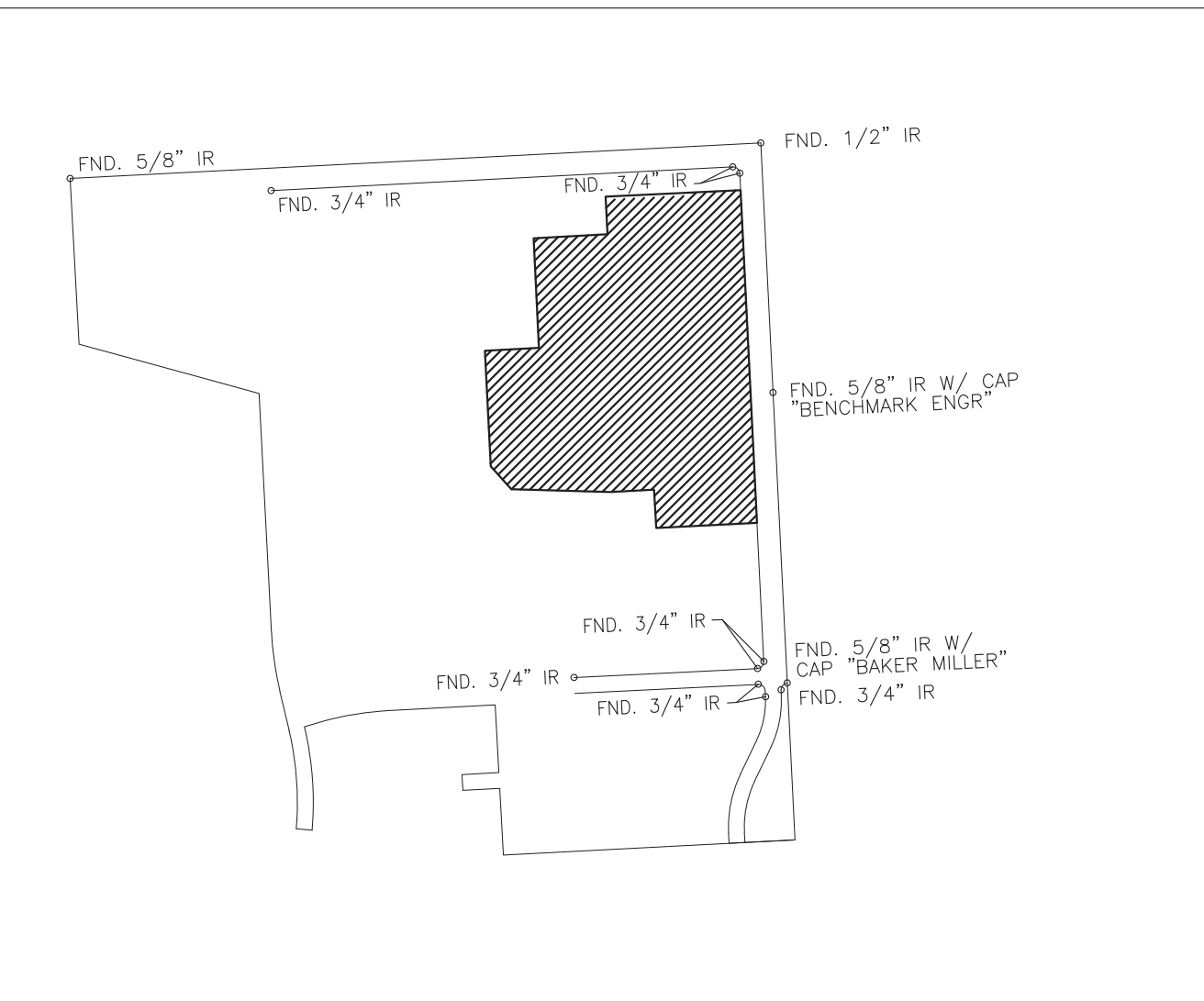
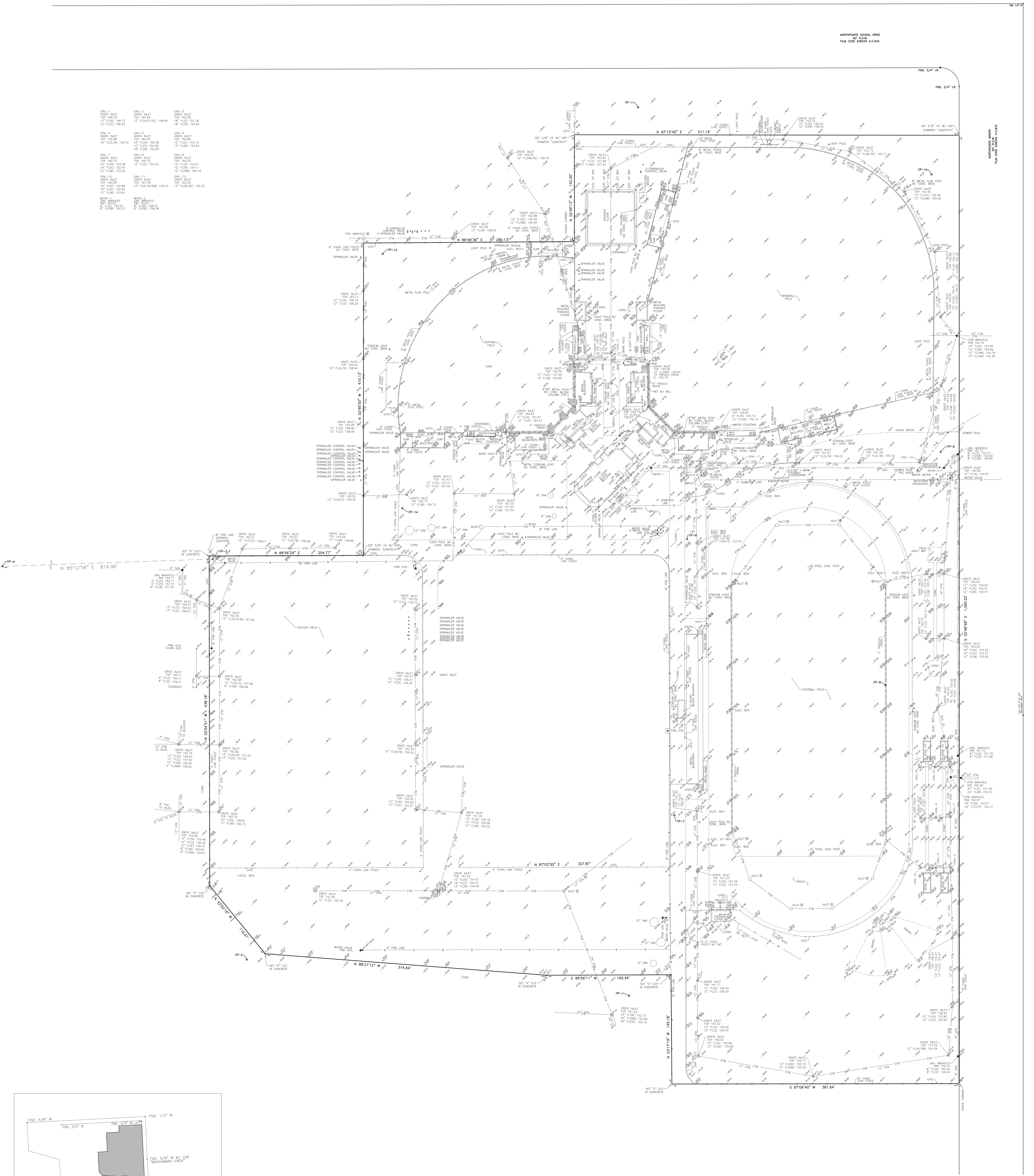
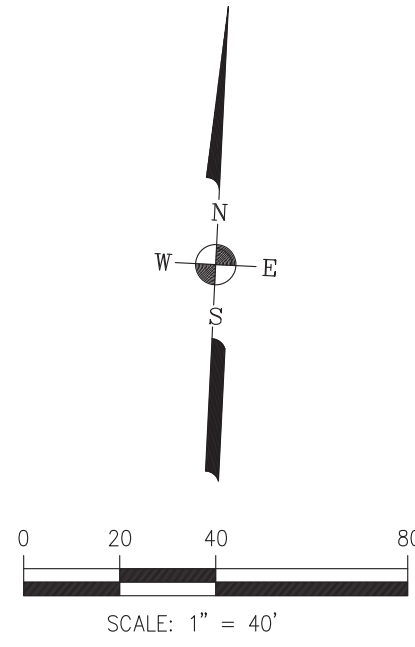
PROJECT BENCHMARK:

BOX CUT ON "BB" INLET, LOCATED ON THE EAST SIDE OF MUESCHKE ROAD AND 146 FEET SOUTH OF THE MOST NORTHERLY SOUTHWEST CORNER OF THE RESTRICTED RESERVE "A", BLOCK 2 OF TOMBALL ISD JUERGEN ROAD EDUCATION CAMPUS PER CIVIL SITEWORK PLANS FOR TOMBALL INDEPENDENT SCHOOL DISTRICT TOMBALL HIGH SCHOOL BY KIMLEY HORN (SHEET NO. C0.00).

NWDBS (2001 ADJUSTMENT)

ELEVATION = 169.64 FEET

CONTROL POINT	GRID NORTHING			GRID EASTING			ELEV.	DESCRIPTION
	1	2	3	4	5	6		
CP-1	13,939,240.89	3,034,650.73	162.84	SET 3/8" I.R. W/ CAP STAMPED "LANDTECH"				
CP-2	13,939,264.00	3,034,141.42	164.23	SET 3/8" I.R. W/ CAP STAMPED "LANDTECH"				
CP-3	13,939,793.32	3,034,070.03	163.95	SET 600 NAIL				
CP-4	13,939,725.36	3,033,257.89	163.22	SET "X" CUT IN CONCRETE				
CP-5	13,939,983.69	3,034,601.72	164.79	SET 600 NAIL				
CP-6	13,939,850.82	3,034,697.96	161.93	SET 3/8" I.R. W/ CAP STAMPED "LANDTECH"				
CP-7	13,939,483.54	3,034,699.16	161.62	SET "X" CUT IN CONCRETE				
CP-8	13,939,669.94	3,034,970.57	161.91	SET "X" CUT IN CONCRETE				
CP-9	13,939,983.01	3,035,028.89	161.69	SET 3/8" I.R. W/ CAP STAMPED "LANDTECH"				
CP-10	13,940,350.68	3,034,998.61	163.25	SET 3/8" I.R. W/ CAP STAMPED "LANDTECH"				
CP-11	13,940,420.66	3,034,604.82	165.32	SET 3/8" I.R. W/ CAP STAMPED "LANDTECH"				
CP-12	13,940,209.46	3,034,273.53	163.27	SET 3/8" I.R. W/ CAP STAMPED "LANDTECH"				
CP-14	13,939,673.33	3,034,318.12	162.40	SET 3/8" I.R. W/ CAP STAMPED "LANDTECH"				



TOPOGRAPHIC SURVEY OF 23.0024 ACRES (1,001,984 SQUARE FEET) OF LAND OUT OF RESTRICTED RESERVE "A", BLOCK 1, TOMBALL ISD HIGH SCHOOL NO 2 SEC 1, AS RECORDED IN FILM CODE 636244 OF THE HARRIS COUNTY MAP RECORDS (H.C.M.R.), SITUATED IN THE CHARLES MARRIOTT SURVEY, ABSTRACT NO. 566, HARRIS COUNTY, TEXAS.



LANDTECH
1315 W Sam Houston Parkway N, Suite 100
Houston, Texas 77043
T: 713-861-7068
F: 713-861-4131
TBPEIS No. 10019100

DATE: MAY, 2026
SCALE: 1" = 40'
JOB No.: 2620007.00
SHEET No.: 1 OF 1

S:\2026\2620007\CADD\TOMBALL MEMORIAL HS TOPO.dwg
05/13/2026

CLEARING AND GRUBBING:

- SCOPE**
THE WORK SHALL CONSIST OF CLEARING AND GRUBBING AND DISPOSAL OF SNAGS, LOGS, BRUSH STUMPS, SHRUBS AND RUBBISH FROM THE DESIGNATED AREA.
- PROTECTION OF EXISTING VEGETATION**
TREES AND OTHER VEGETATION DESIGNATED TO REMAIN UNDISTURBED SHALL BE PROTECTED FROM DAMAGE THROUGHOUT THE DURATION OF THE CONSTRUCTION PERIOD. ANY DAMAGES RESULTING FROM THE CONTRACTOR'S OPERATIONS OR NEGLIGENCE SHALL BE REPAIRED BY THE CONTRACTOR.

EARTH FILL, STOCKPILING OF MATERIALS, VEHICULAR PARKING, AND EXCESSIVE FOOT OR VEHICULAR TRAFFIC SHALL NOT BE ALLOWED WITHIN THE DRIP LINE OF VEGETATION DESIGNATED TO REMAIN IN PLACE. VEGETATION DAMAGED BY ANY OF THESE OR SIMILAR ACTIONS SHALL BE REPLACED WITH VIABLE VEGETATION OF THE SAME SPECIES, SIMILAR CONDITION, AND LIKE SIZE UNLESS OTHERWISE APPROVED BY THE CONTRACTING OFFICER.

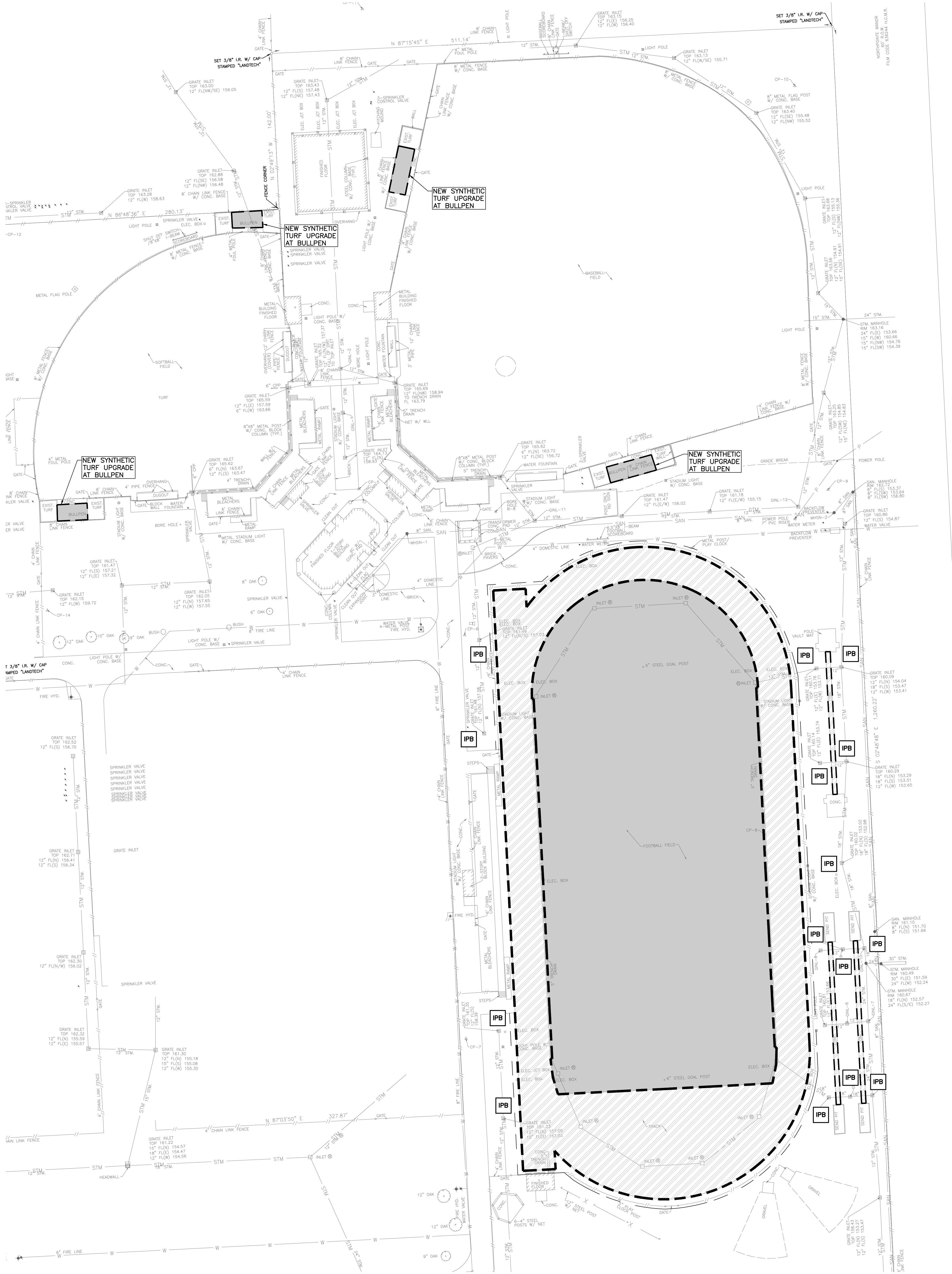
ANY CUTS, SKINS, SCRAPES OR BRUISES TO THE BARK OF THE VEGETATION SHALL BE CAREFULLY TRIMMED AND LOCAL NURSERY ACCEPTED PROCEDURES UTILIZED TO SEAL DAMAGED BARK.

ANY LIMBS OR BRANCHES ONE-HALF (1/2) INCH OR GREATER IN DIAMETER WHICH ARE BROKEN, SEVERED OR OTHERWISE SERIOUSLY DAMAGED DURING CONSTRUCTION SHALL BE CUT OFF AT THE BASE OF THE DAMAGED LIMB OR BRANCH FLUSH WITH THE ADJACENT LIMB OR TREE TRUNK.

ALL ROOTS ONE (1) OR GREATER IN DIAMETER WHICH ARE CUT, BROKEN OR OTHERWISE SEVERED DURING CONSTRUCTION OPERATIONS SHALL HAVE THE END SMOOTHLY CUT PERPENDICULAR TO THE ROOT. ROOTS EXPOSED DURING EXCAVATION OR OTHER OPERATIONS SHALL BE COVERED WITH MOIST EARTH AND/OR BACKFILLED AS SOON AS POSSIBLE TO PREVENT THE ROOTS FROM DRYING OUT.
- MARKING**
THE LIMITS OF THE AREA(S) TO BE CLEARED AND GRUBBED WILL BE MARKED BY MEANS OF STAKES, FLAGS, TREE MARKINGS OR OTHER SUITABLE METHODS. TREES TO BE LEFT STANDING AND UNINJURED WILL BE DESIGNATED BY SPECIAL MARKINGS PLACED ON THE TRUNK ABOUT SIX (6) FEET ABOVE THE GROUND SURFACE.
- CLEARING AND GRUBBING**
ALL SNAGS, LOGS, BRUSH, STUMPS, SHRUBS, RUBBISH AND SIMILAR MATERIALS SHALL BE CLEARED FROM WITHIN THE LIMITS OF THE DESIGNATED AREAS. UNLESS OTHERWISE SPECIFIED, ALL STUMPS, ROOTS AND ROOT CLUSTERS HAVING A DIAMETER OF ONE (1) INCH OR LARGER SHALL BE GRUBBED OUT TO A DEPTH OF AT LEAST TWO (2) FEET BELOW SUBGRADE FOR CONCRETE STRUCTURES AND ONE (1) FOOT BELOW THE GROUND SURFACE AT EMBANKMENT SITES AND OTHER DESIGNATED AREAS.
- DISPOSAL**
ALL MATERIALS CLEARED AND GRUBBED FROM THE DESIGNATED AREAS SHALL BE DISPOSED OF OFFSITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL LOCAL RULES AND REGULATIONS AND THE PAYMENT OF ANY ALL FEES THAT MAY RESULT FROM DISPOSAL AT LOCATIONS AWAY FROM THE PROJECT SITE.

POLLUTION PREVENTION NOTES:

- PRIOR TO START OF CONSTRUCTION, CONTRACTOR SHALL INSTALL POLLUTION PREVENTION SYSTEMS AT LOCATIONS SHOWN ON PLANS.
- IF POLLUTION PREVENTION SYSTEMS ARE EXISTING FROM PRIOR CONTRACTS, OWNER AND/OR OWNER'S REPRESENTATIVE WITH THE CONTRACTOR SHALL EXAMINE THE EXISTING POLLUTION PREVENTION SYSTEMS FOR DAMAGE PRIOR TO CONTRACTOR STARTING CONSTRUCTION OF THE CONTRACT. ANY DAMAGE NOTED AT THIS ITEM SHALL BE REPAIRED AT OWNER'S EXPENSE.
- ADEQUATE DRAINAGE SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION AND ANY DRAINAGE DITCH OR STRUCTURE DISTURBED DURING CONSTRUCTION SHALL BE RESTORED TO THE SATISFACTION OF THE OWNING AUTHORITY. ALL CONSTRUCTION STORM RUNOFF SHALL COMPLY WITH THE TEXAS POLLUTION DISCHARGE ELIMINATION SYSTEM (TPDES) REQUIREMENTS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ENFORCEMENT OF TPDES REQUIREMENTS PER "GENERAL REQUIREMENTS FOR PERMIT TXR150000".
- CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING GENERAL SOURCE CONTROLS.
- THE LOCATION OF THE STABILIZED CONSTRUCTION ACCESS IS TO BE DETERMINED BY THE CONTRACTOR.
- ALL RESERVES AND AREAS BETWEEN BACK-OF-CURB AND RIGHT-OF-WAY SHALL BE HYDRO-MULCHED SEED. ALL LOTS AND OTHER AREAS DISTURBED DURING CONSTRUCTION SHALL BE BROADCAST SEED.
- CONTRACTOR SHALL INSPECT ALL POLLUTION PREVENTION SYSTEMS SPECIFIED HEREIN, AS REQUIRED IN THE PERMIT.
- CONTRACTOR SHALL MAINTAIN, REPAIR AND/OR REPLACE DAMAGED EROSION AND SEDIMENTATION CONTROL SYSTEMS THROUGHOUT THE DURATION OF THE CONTRACT.
- CONTRACTOR SHALL PROVIDE PROTECTED STORAGE AREAS FOR CHEMICALS, PAINTS, SOLVENTS, FERTILIZERS AND OTHER POTENTIALLY TOXIC MATERIALS.
- CONTRACTOR SHALL LOCATE FUEL/MATERIAL STORAGE AREAS AWAY FROM STORM WATER CONVEYANCE SYSTEMS. CONTRACTOR SHALL USE A LINER UNDER ABOVE GROUND STORAGE TANKS. CONTRACTOR SHALL USE FILTER FABRIC FENCING, HAY BALES, OR BERMS AROUND FUEL STORAGE AREAS.
- CONTRACTOR SHALL ADVISE OWNER IMMEDIATELY, VERBALLY, AND IN WRITING OF ANY FUEL OR TOXIC MATERIAL SPILLS ONTO THE PROJECT/CONSTRUCTION AREA AND THE ACTIONS TAKEN TO REMEDY THE PROBLEM.
- CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF HIS FUELS, MATERIALS, AND CONTAMINATED EXCAVATIONS IN A LEGALLY APPROVED MANNER.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATELY MAINTAINED SANITARY FACILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR STREET CLEANING, ON A DAILY BASIS, ALL MUD AND DIRT DEPOSITED ON THE EXISTING PAVEMENT DUE TO HIS CONSTRUCTION ACTIVITY.
- CONTRACTOR SHALL PROVIDE A STABILIZED CONSTRUCTION ENTRANCE/EXIT.
- SEDIMENT WILL BE REMOVED FROM BEHIND THE FILTER FABRIC FENCE WHEN IT BECOMES ABOUT ONE-THIRD OF THE HEIGHT OF THE FENCE.
- WHEN ALL CONSTRUCTION ACTIVITY IS COMPLETE AND THE SITE HAS BEEN ESTABLISHED, STRUCTURAL CONTROLS WILL BE REMOVED AND ALL DISTURBED AREAS WILL BE RESTABILIZED.
- AT THE COMPLETION OF THE PROJECT/CONTRACT, THE OWNER AND/OR OWNER'S REPRESENTATIVE AND THE CONTRACTOR SHALL EXAMINE THE POLLUTION PREVENTION SYSTEM BEFORE RELIEVING CONTRACTOR OF HIS MAINTENANCE RESPONSIBILITIES.



LEGEND

- DEMOLITION LIMITS
- DEMOLISH EXISTING TRACT SURFACE TO PREPARE FOR NEW RESURFACING AND RESTRIPIING (± 1.28 ACRES)
- DEMOLISH CURRENT FIELD TO PREPARE FOR NEW SYNTHETIC TURF INSTALL (± 2.182 ACRES)
- FF FILTER FABRIC FENCE SEE DETAILS ON SHEET C5.00
- IPB INLET PROTECTION BARRIER SEE DETAILS ON SHEET C5.00

NOTE:
ALL MATERIALS CLEARED FROM THE DESIGNATED AREAS SHALL BE DISPOSED OF OFFSITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL LOCAL RULES AND REGULATIONS AND THE PAYMENT OF ANY ALL FEES THAT MAY RESULT FROM DISPOSAL AT LOCATIONS AWAY FROM THE PROJECT SITE.



WARNING:

CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITY LINES BY CONTACTING TEXAS 811 AT 811 OR 713-223-4567 AT LEAST 48 HOURS BEFORE YOU DIG, DRILL OR BLAST.

EXISTING, WATER, SANITARY, GAS, ELECTRICAL, TELECOMMUNICATIONS AND ALL OTHER UTILITY LINES ARE SHOWN PER RECORD DRAWINGS. CONTRACTOR SHALL VERIFY LOCATION AT THE SITE PRIOR TO CONSTRUCTION.



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Project Architect:

Project Designer:

Drawn By:

PROJECT NO.

25-0158.00

SHEET TITLE

DEMOLITION &
SWPP PLAN

SHEET NO.

C2.00

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TISD ATHLETIC SITE IMPROVEMENTS

TOMBALL ISD
25MCBW01



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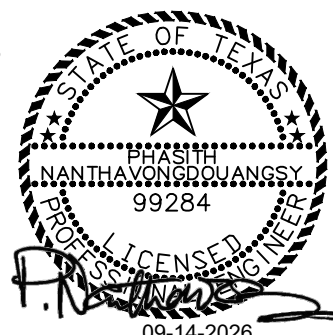
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TISD ATHLETIC SITE IMPROVEMENTS

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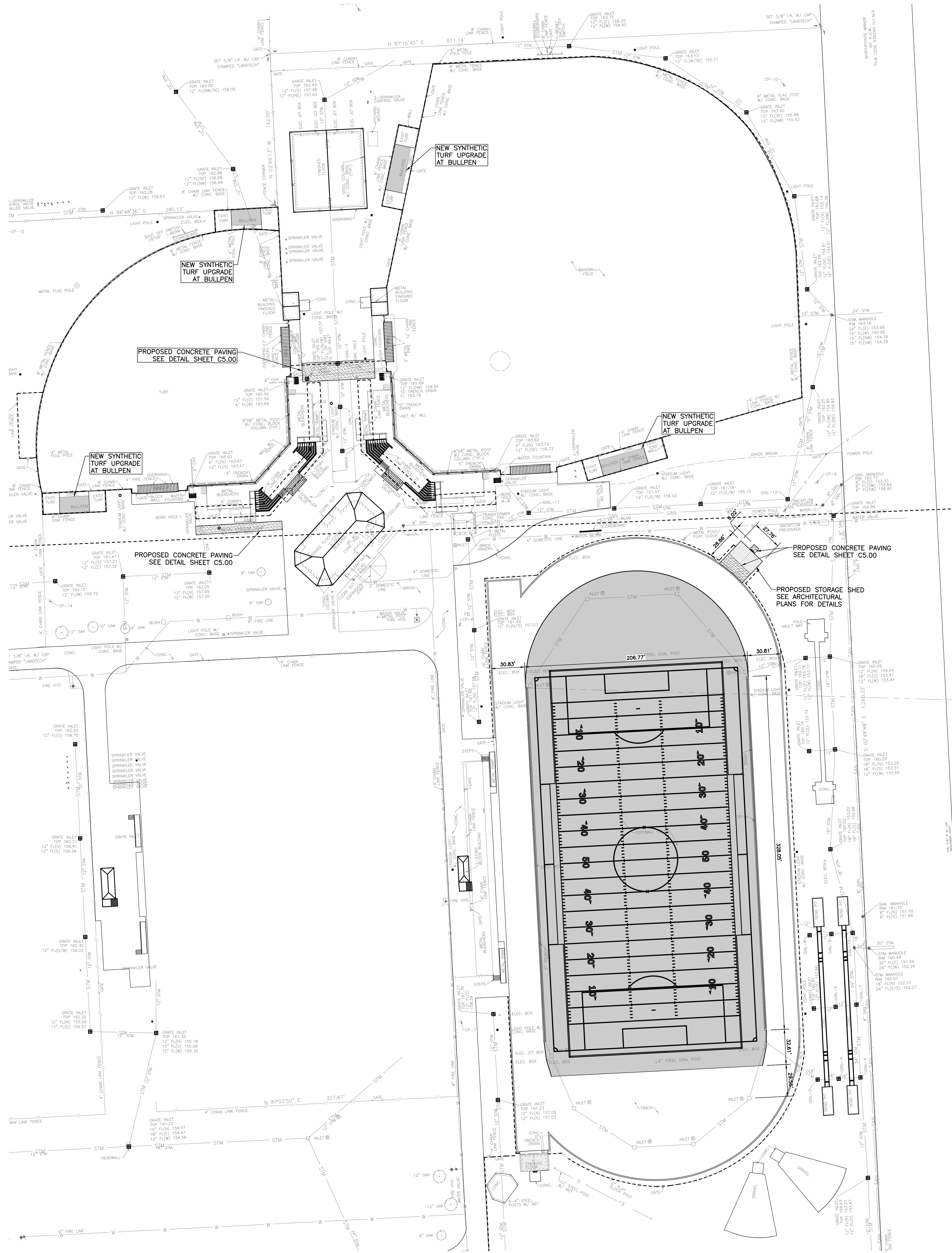
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SITE DIMENSION
PLAN

SHEET NO.

C3.00

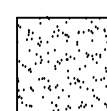
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LEGEND:



PROPOSED SYNTHETIC TURF



PROPOSED 4.5"-INCH THICK
CONCRETE PAVING W/ #3 REBAR
@ 18" OC EA WAY



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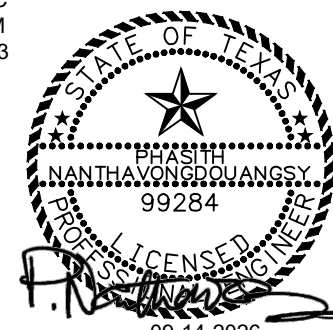
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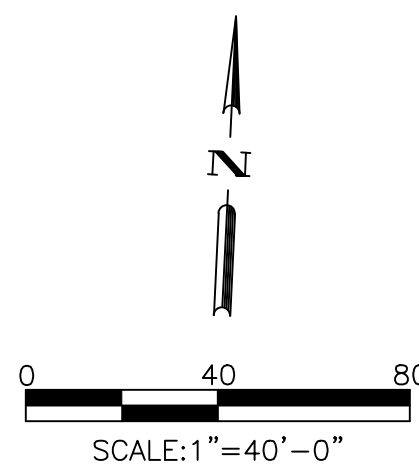
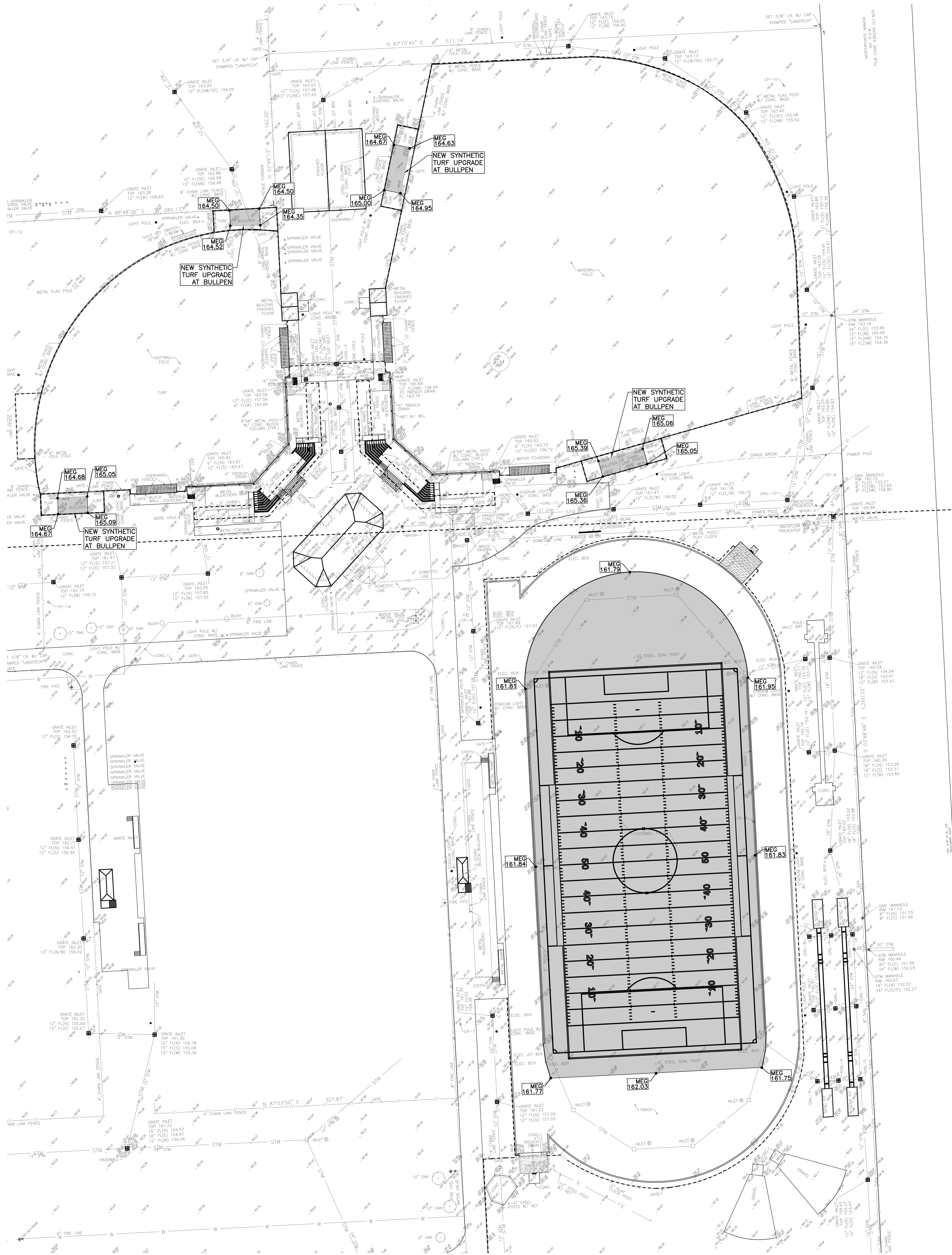
SHEET TITLE

GRADING AND
DRAINAGE PLAN

SHEET NO.

C4.00

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GENERAL GRADING NOTES:

- CONTRACTOR TO REGRADE ALL DISTURBED AREAS AFTER CONSTRUCTION IS COMPLETE TO EQUAL OR BETTER CONDITION. SEED OR HYDROMULCH DISTURBED AREAS TO ESTABLISH TURF INSIDE HARRIS COUNTY RIGHT-OF-WAY AND ANY PRIVATE PROPERTY THAT IS DISTURBED.
- REGRADE ALL DITCHES AFTER CONSTRUCTION IS COMPLETE THAT ARE DISTURBED DURING CONSTRUCTION. REGRADE DITCH TO ESTABLISH FLOW IN A POSITIVE DIRECTION.
- ALL OPEN EXCAVATION TO BE CLEARLY IDENTIFIED BY CONTRACTOR. CONTRACTOR IS REQUIRED TO COVER ALL OPEN EXCAVATION AREAS AT THE END OF EACH WORK DAY AND WHENEVER CONTRACTOR IS NOT WORKING ON SITE USING STEEL PLATES.
- ALL PAVING "TP" AND "TC" SHOWN ARE TAKEN FROM BACK OF CONCRETE PAVEMENT.
- CONTRACTOR IS REQUIRED TO ENSURE THAT ALL CONSTRUCTED SLOPES AND ELEVATIONS COMPLY WITH TEXAS DEPARTMENT OF LICENSING AND REGULATION REQUIREMENTS FOR ACCESSIBILITY. GRADES SHOWN ON THE PLANS HAVE BEEN CAREFULLY DETERMINED BASED ON MINIMUM ACCESSIBILITY STANDARDS.
- CHANGES IN LEVEL OR TOP OF PAVEMENT AT ALL BUILDING EXITS SHALL BE 1/4" MAXIMUM.
- ALL CROSS SLOPES AT ACCESSIBLE ROUTES SHALL BE 2% MAXIMUM.
- WHERE AN ACCESSIBLE ROUTE CHANGES DIRECTION, A 5'X5' LANDING SHALL BE PROVIDED WITH MAXIMUM 2% SLOPE IN ANY DIRECTION.
- NO PORTION OF THE A.D.A. ACCESSIBLE PARKING AREA SHALL EXCEED 2% MAXIMUM SLOPE IN ANY DIRECTION.
- ACCESSIBLE ROUTES MAY HAVE SLOPES UP TO 5%.
- ALL ADA WHEELCHAIR RAMPS SHALL BE MAXIMUM 1:12 (8.33%). ALL RAMPS MUST HAVE A 5'X5' LANDING WITH A MAXIMUM 2% SLOPE AT THE TOP AND BOTTOM. ANY RAMP RUN THAT RISES MORE THAN 6-INCHES VERTICALLY REQUIRES HAND RAILS (RE: ARCH PLANS).
- THE FINISHED GRADES SHOWN ON THIS PLAN REPRESENT FINAL ELEVATIONS. THE CONTRACTOR MUST TAKE CARE TO ENSURE THAT THE FINISHED GRADES SHOWN HEREON ARE NOT EXCEEDED BY LANDSCAPING, MULCH, FILL MATERIAL OR OTHER LANDSCAPE DEVICES THAT BLOCK POSITIVE DRAINAGE AWAY FROM THE BUILDING OR SLAB. THE THICKNESS OF GRASS SOD, LANDSCAPING MATERIALS, OR OTHER OUTDOOR DEVICES SHOULD BE DEDUCTED FROM THE FINISHED GRADE ELEVATIONS SHOWN ON THESE PLANS IN ORDER TO DETERMINE THE FINAL GRADE ELEVATIONS DURING CONSTRUCTION.



WARNING:

CONTRACTOR SHALL VERIFY LOCATION OF UNDERGROUND UTILITY LINES BY CONTACTING "TEXAS 811" AT 811 OR 713-223-4567 AT LEAST 48 HOURS BEFORE YOU DIG, DRILL OR BLAST.

EXISTING, WATER, SANITARY, GAS, ELECTRICAL, TELECOMMUNICATIONS AND ALL OTHER UTILITY LINES ARE SHOWN PER RECORD DRAWINGS. CONTRACTOR SHALL VERIFY LOCATION AT THE SITE PRIOR TO CONSTRUCTION.

LEGEND:



PROPOSED SYNTHETIC TURF



MATCH EXISTING GRADE

ARCHITECT

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CIVIL ENGINEER

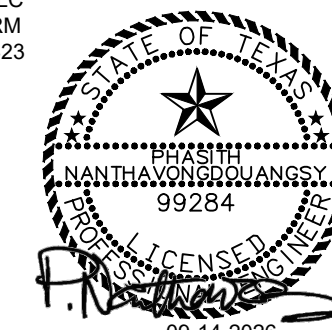
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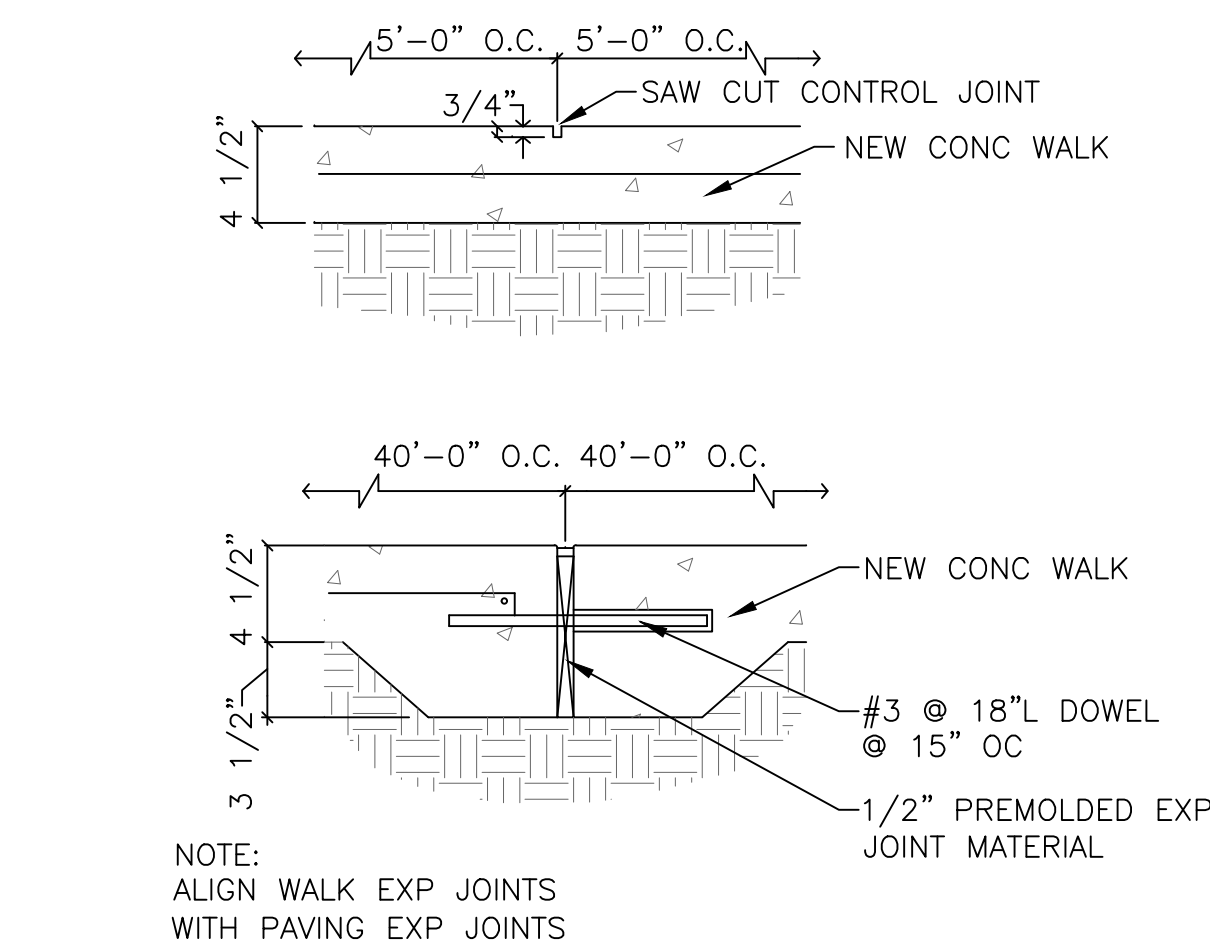
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SHEET TITLE

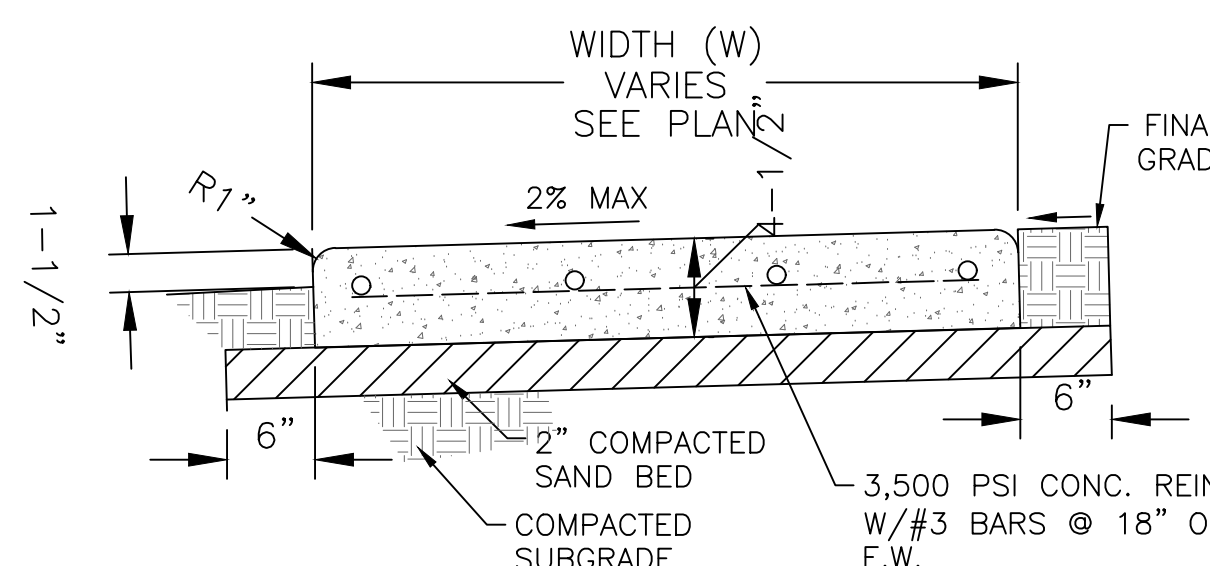
MISCELLANEOUS
DETAILS

SHEET NO.

C5.00



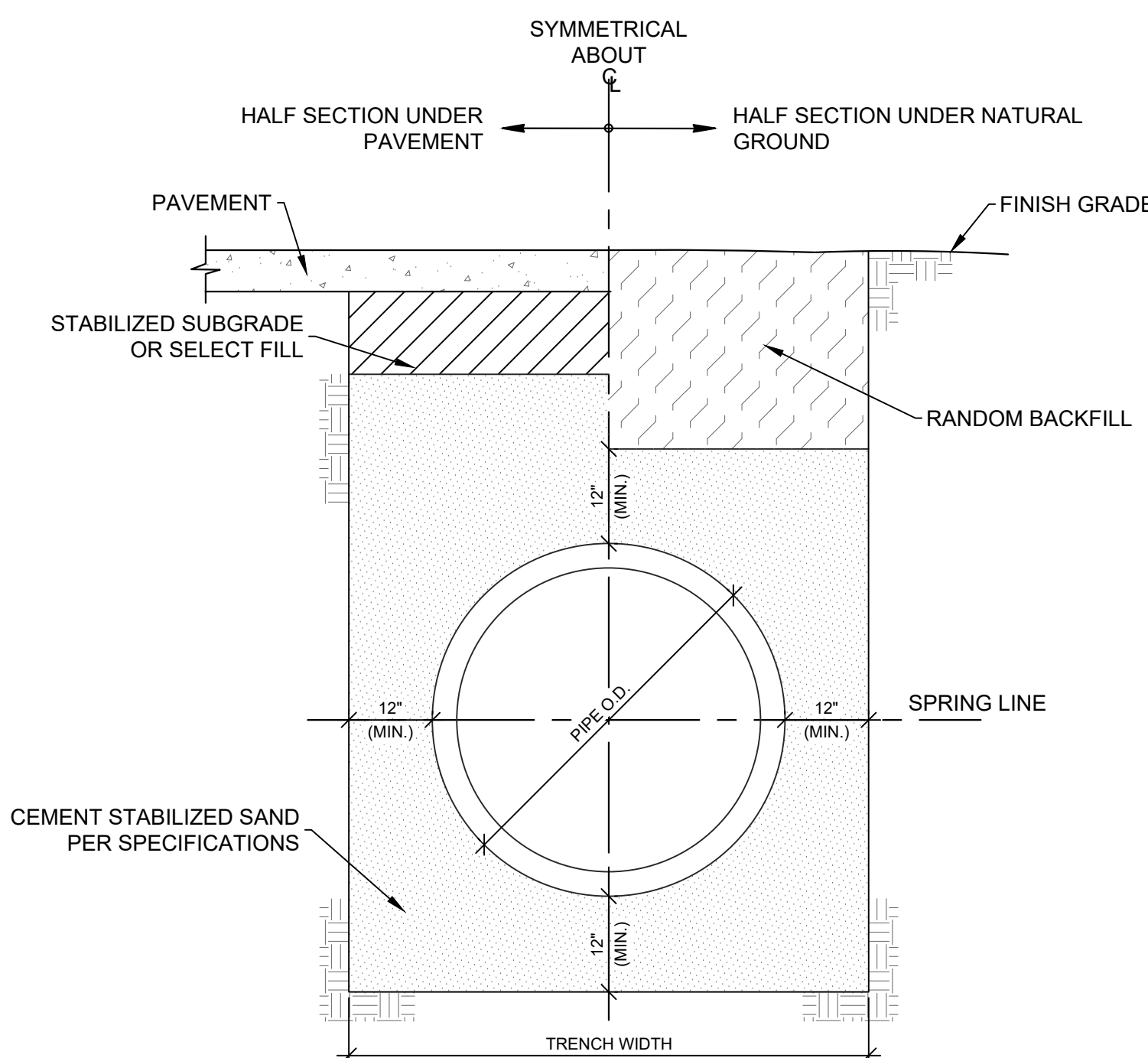
SIDEWALK CONTROL & EXPANSION JOINT



PROVIDE A SAWED JOINT SPACED EQUAL TO WIDTH (W)
AND EXPANSION JOINTS TO BE PLACED @ 4' X WIDTH

3 CONCRETE SIDEWALK DETAIL

SCALE: NTS



NOTES:

1. THIS DETAIL MAY BE USED ONLY FOR DRY STABLE TRENCH CONDITIONS. WHERE WET SAND CONDITIONS ARE ENCOUNTERED SEWERS SHALL BE BACKFILLED PER THE REQUIREMENTS OF THE WET CONDITION BEDDING AND BACKFILLING DETAIL.
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 MAXIMUM DRY DENSITY AT A MOISTURE CONTENT WITHIN +/-2% OF THE OPTIMUM MOISTURE CONTENT AS DETERMINED BY ASTM D698.
3. FOR R.C.P. STORM SEWERS MIN. TRENCH WIDTH SHALL BE PIPE O.D. PLUS 24-INCHES FOR PIPES WITH A NOMINAL SIZE OF 30-INCHES OR LESS AND O.D. PLUS 36-INCHES FOR PIPES WITH A NOMINAL SIZE GREATER THAN 30-INCHES.
4. FOR H.D.P.E. STORM SEWERS MIN. TRENCH WIDTH SHALL BE PIPE O.D. PLUS 24-INCHES FOR PIPES WITH A NOMINAL SIZE OF 24-INCHES OR LESS AND O.D. PLUS 36-INCHES FOR PIPES WITH A NOMINAL SIZE GREATER THAN 24-INCHES.

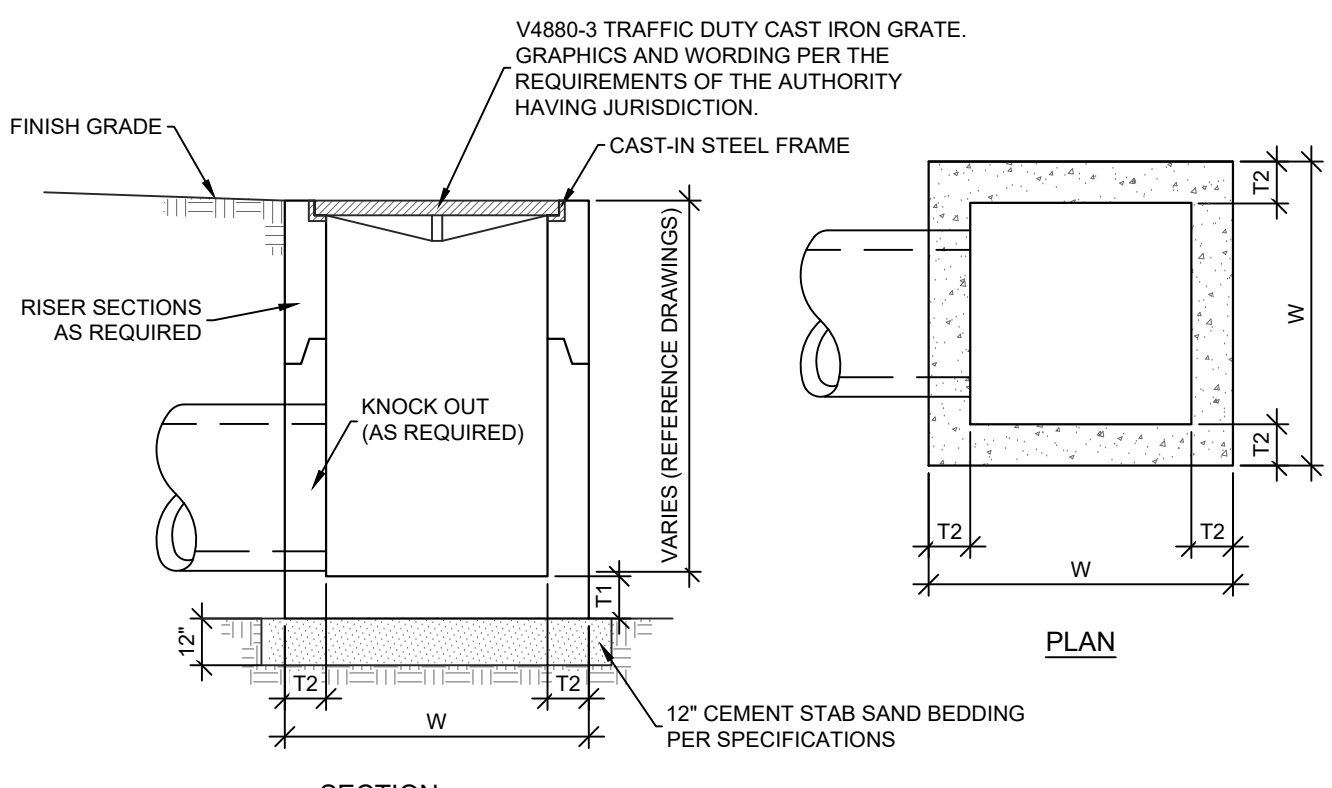
1 STORM SEWER BEDDING AND BACKFILL

SCALE: NTS

KNOCK OUT	W	GRATE SIZE	T1	T2
10"	15"	12"x12"x1"	3"	2 1/2"
12"	20"	14"x14"x1 1/2"	4"	3"
15"	24"	18"x18"x1 1/2"	4"	4"
17"	28"	20"x20"x1 1/2"	4"	4"
22"	32"	24"x24"x2"	5"	5"
24"	37"	27"x27"x2"	6"	6"
30"	42"	32"x32"x2"	6"	6"
32"	48"	38"x38"x2"	6"	6"
48"	60"	38"x38"x2"	6"	6"
60"	72"	38"x38"x2"	6"	6"
72"	84"	38"x38"x2"	6"	6"
84"	96"	38"x38"x2"	6"	6"

NOTES:

1. PRECAST CONCRETE MANHOLES SHALL BE MADE OF CLASS II CONCRETE WITH A DESIGN STRENGTH OF 4,500 PSI AT 28 DAYS AND RATED FOR H-20 LOADING.
2. STRUCTURAL REINFORCEMENT SHALL BE GRADE 60 CONFORMING TO ASTM A615.
3. DEPTH OF INLET SHALL DETERMINE THE NUMBER OF RISER SECTIONS AND ADJUSTMENT RINGS REQUIRED. BRICKS SHALL NOT BE USED.
4. GROUT INSIDE AND OUTSIDE OF EXTENSION RINGS(S) AND ALL PIPES.
5. ALL PIPES SHALL BE CUT FLUSH WITH THE INLET.

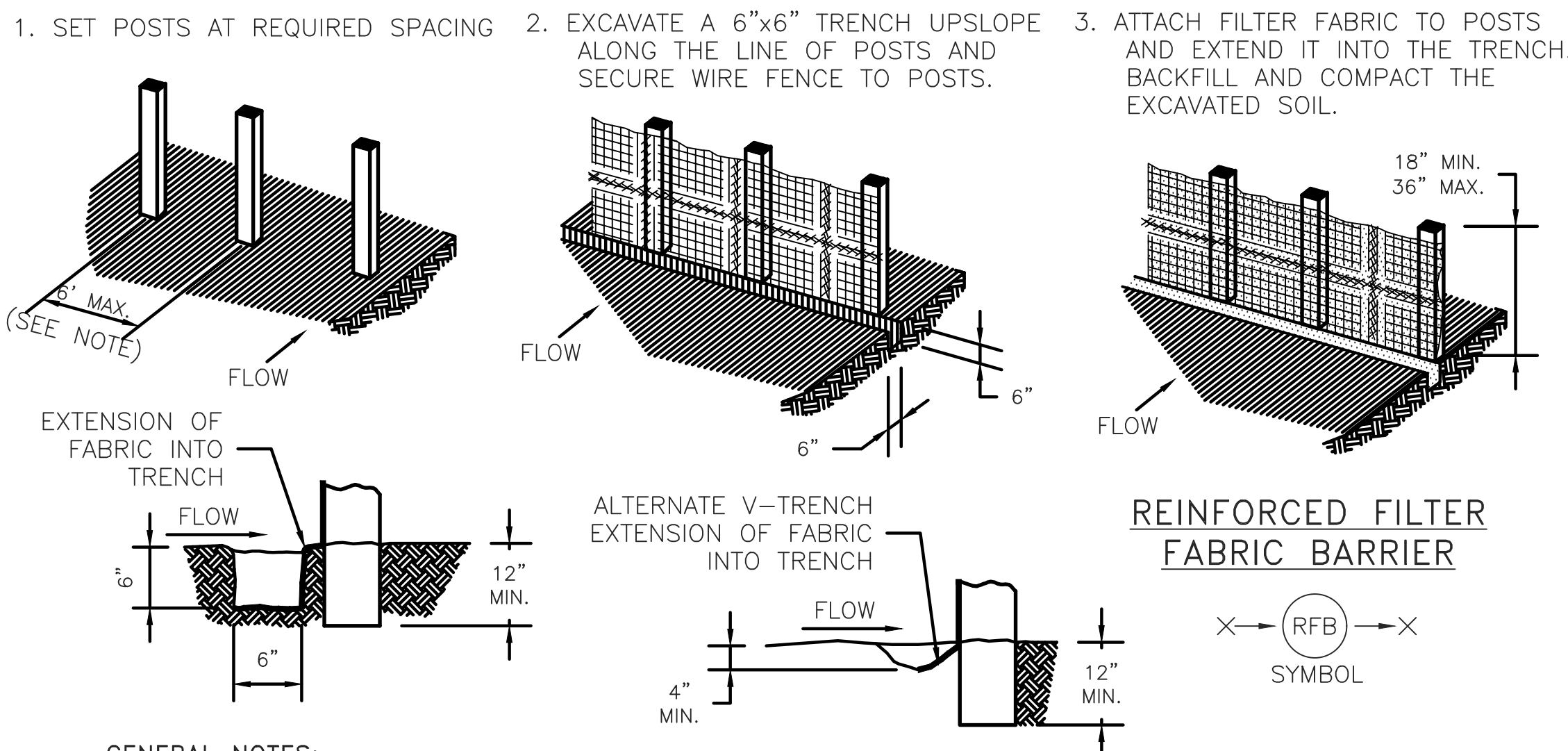


GRATE INLET (ALL NON-PAVED AREAS)

N.T.S.

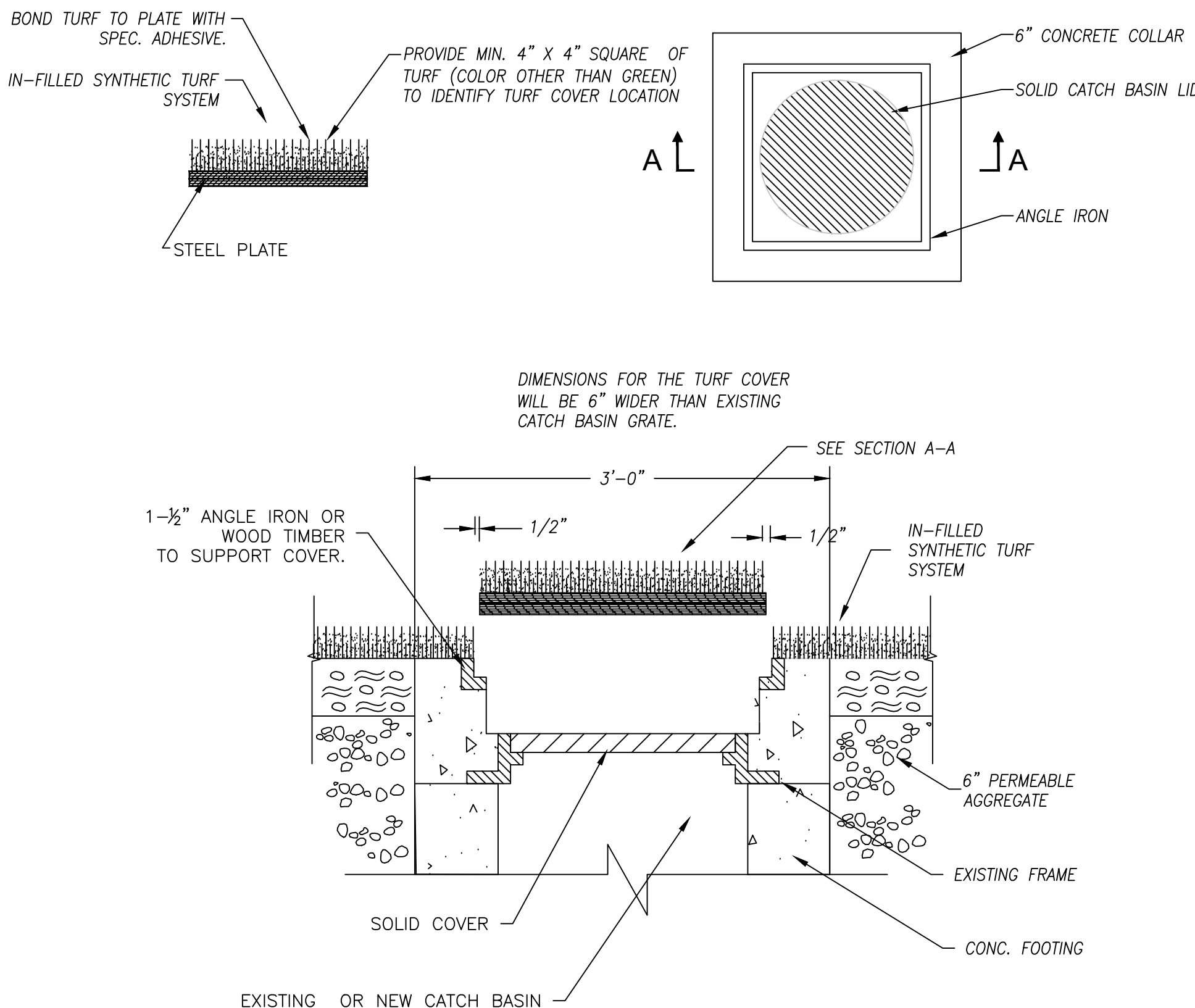
2 PRECAST CONCRETE CATCH BASIN/JUNCTION BOX AND BACKFILL

SCALE: NTS



GENERAL 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.



4 TURF COVER FOR CATCH BASIN COVER

SCALE: NTS

CONCRETE

ASPHALT

1. PAVING

(FOR EXISTING OR PROPOSED HC PUBLIC R.O.W.)

DESIGN THICKNESS OF PAVING (IN.)	STABILIZED SUBGRADE DEPTH (IN.)	DESIGN STRENGTH OF CONCRETE (PSI)	STEEL LONG. (IN.)	SPACING TRANS. (IN.)	REINFORCE STEEL SIZE (#4 MIN.)

DESIGN SURFACE COURSE THICKNESS (IN.)	DESIGN SURFACE COURSE TYPE (MATERIAL)	DESIGN BASE COURSE THICKNESS (IN.)	DESIGN BASE COURSE TYPE (MATERIAL)	STABILIZED SUBGRADE DEPTH (IN.)	STABILIZED SUBGRADE TYPE (MATERIAL)

DRIVEWAYS (IN EXISTING OR PROPOSED HC PUBLIC R.O.W.)

I. NUMBER OF DRIVEWAY APPROACHES PROPOSED INCLUDING WIDENING OR REPAVING EXISTING DRIVEWAYS

DRWY	WIDTH	MATERIAL	CULVERT (Y/N)	CULVERT LENGTH	NEAREST CROSS-STREET	DISTANCE TO CROSS-STREET
1						
2						
3						
4						
5						

II. HARRIS COUNTY STANDARD DRIVEWAY DETAIL APPEARS ON SHEET(S):

III. ADDITIONAL DRIVEWAY TABLE (AS APPLICABLE) APPEARS ON SHEET(S):

FIRE APPARATUS ACCESS ROAD

☐ REQUIRED AND SHOWN ON SHEET(S):

☒ NOT REQUIRED DUE TO: N/A

CURBING

☐ STANDARD 6" CURBING PROPOSED

☐ 4" x 12" CURBING PROPOSED EXCEPT AT MEDIANS AND ISLANDS

2. TRAFFIC

I. MEDIAN CUTS

☐ MEDIAN MODIFICATIONS ARE SHOWN ON SHEET(S):

☐ NO MEDIAN CUT OR RELOCATION IS PROPOSED

II. LEFT / RIGHT TURN LANE

☐ LEFT / RIGHT TURN LANE IS SHOWN ON SHEET(S):

☐ NO LEFT / RIGHT TURN LANE IS PROPOSED

III. TRAFFIC CONTROL PLAN

☐ TRAFFIC CONTROL SHOWN ON SHEET(S):

☒ NO WORK IN HC RIGHT OF WAY

IV. TRAFFIC SIGNAL

☐ EXISTING TRAFFIC SIGNAL DEVICES (BOXES AND LOOPS) SHOWN ON SHEET(S):

☐ NEW ☐ REBUILT ☐ MODIFIED TRAFFIC SIGNAL SHOWN ON SHEET(S):

☐ HC FIBER PRESENT

☒ NO TRAFFIC SIGNAL

V. TRAFFIC IMPACT ANALYSIS

☐ TRAFFIC IMPACT ANALYSIS APPROVED ON DATE: PROJECT NO.:

☐ NO TRAFFIC IMPACT ANALYSIS REQUIRED AND HC APPROVED

☒ NO NEW TRIPS GENERATED

VI. TRAFFIC VARIANCE

☐ TRAFFIC VARIANCE APPROVED ON DATE: PROJECT NO.:

3. DESCRIPTION OF PROPERTY

I. LEGAL DESCRIPTION

A. ACREAGE: 23.0024 ACRES

B. ☐ SUBDIVISION: TOMBALL ISD HIGH SCHOOL NO 2

☒ SURVEY & ABSTRACT: RES A BLK 1

C. ADJACENT ROADS: NORTHPOINTE RIDGE LN
SUNSET CANYON DR

II. PLATTING

A. SUBDIVISION PLAT (CHECK APPLICABLE)

☐ PROPOSED PLAT / REPLAT

☒ RECORDED PLAT / ~~REPLAT~~

☐ EXEMPT FROM PLAT / REPLAT

PLAT NAME: TOMBALL ISD HIGH SCHOOL NO 2

NOTE: FINAL CPC101 REQUIRED FOR PLAN APPROVAL, RECORDED PLAT REQUIRED FOR FINAL INSPECTION.

III. JURISDICTIONS

☐ CITY OF

☐ ETJ, CITY OF HOUSTON

☐ ETJ, CITY OF

☐ NO ETJ

IV. HCAD ACCOUNT NOS. (ALL)

132-452-001-0001

V. UNOBSTRUCTED VISIBILITY EASEMENT (U.V.E.)

☐ REQUIRED PER PLANNING COMMISSION / HC REGULATIONS SHOWN ON SHEET(S):

☒ NOT REQUIRED PER PLANNING COMMISSION / HC REGULATIONS

4. RESIDENTIAL / SUBDIVISION / STREET DEDICATION DRAINAGE

I. PROPOSED DRAINAGE SYSTEM TYPE

☐ STORM SEWER

☐ ROADSIDE DITCH

☐ LOW IMPACT DEVELOPMENT (LID)

II. DESIGN METHOD USED

☐ CITY OF HOUSTON YEAR FREQUENCY

☐ OTHER: _____

III. DRAINAGE SYSTEM OUTFALLS DIRECTLY TO EXISTING

☐ DETENTION BASIN (APPROVED HC PROJECT NO.):

☐ DETENTION BASIN MAINTAINED BY: _____

☐ HCFCD DRAINAGE DITCH UNIT NO.: _____

☐ HC ROADSIDE DITCH (ROAD NAME): _____

☐ HC STORM SEWER (APPROVED HC PROJECT NO.): _____

IV. HC OUTFALL CALCULATIONS

☐ ROADSIDE DITCH OUTFALL: ALLOWABLE OUTFALL RATE: 0.0027 x _____ LF FRONTAGE = _____ (CFS) PROPOSED OUTFALL RATE: _____ (CFS), CALCULATIONS PROVIDED ON SHEET(S): _____

☐ STORM SEWER OUTFALL CAPACITY ALLOCATED TO TRACT FROM D. A. MAP: _____ (CFS) FROM DRAINAGE AREA MAP DATED: _____ PREPARED BY: _____ APPROVED HC PROJECT NO.: _____ ACTUAL OUTFALL RATE: _____ (CFS), CALCULATIONS PROVIDED ON SHEET(S): _____

V. DETENTION PROVIDED BY

☐ DETENTION BASIN IS PART THIS PLAN SET. SERVICE AREA MAP IS ON SHEET(S):

☐ REGIONAL DETENTION BASIN SYSTEM (APPROVED HC PROJECT NO.): _____

PROPOSED STORM SEWER IS SUBMERGED (AGREEMENT MUST BE PROVIDED). STATIC W.S.E. @ OUTFALL IS _____

5. COMMERCIAL / OTHER SITE DRAINAGE

I. PROPOSED DRAINAGE AREA

☐ NEW DEVELOPMENT AREA: _____

☒ RE-DEVELOPMENT AREA (NET NEW DEVELOPED AREA): 0.00 AC

☐ LOW IMPACT DEVELOPMENT (LID)

II. DETENTION VOLUME

NEW AREA 0.00 x * = 0.00 ACRE FEET

DETENTION REQUIRED

☐ .65 (CHANNEL)

☒ .75 (STM SWR)

☐ 1.00 (RD. DITCH)

☐ OTHER:

PROPOSED DETENTION VOLUME = 0.00 ACRE FEET

PROPOSED DETENTION VOLUME CALCULATIONS ARE SHOWN ON SHEET(S): NA

DETENTION VOLUME PROVIDED BY EXISTING DETENTION BASIN

APPROVED HC PROJECT NO.: _____

DETENTION BASIN SERVICE AREA MAP IS PROVIDED ON SHEET(S): NA

III. OUTFALL

OUTFALL TO ☐ HC ROADSIDE DITCH

☒ EXISTING HC STORM SEWER

☒ OTHER EXISTING INTERNAL STORM SEWER

☐ HC ROADSIDE DITCH OUTFALL: PROPOSED OUTFALL RATE: _____ (CFS), CALCULATIONS PROVIDED ON SHEET(S): _____ ALLOWABLE OUTFALL RATE: 0.0027 x _____ LF FRONTAGE = _____ (CFS)

☐ HC STORM SEWER OUTFALL: CAPACITY ALLOCATED TO TRACT FROM D. A. MAP: _____ (CFS) FROM DRAINAGE AREA MAP DATED: _____ PREPARED BY: _____ APPROVED HC PROJECT NO.: _____ ACTUAL OUTFALL RATE: _____ (CFS), CALCULATIONS PROVIDED ON SHEET(S): _____

IV. PUMPED DETENTION FACILITIES

VOLUME THAT GRAVITY FLOWS: _____ ACRE FEET

VOLUME THAT IS PUMPED: _____ ACRE FEET

ENTRANCE VELOCITY INTO ROADSIDE DITCH

OR STORM SEWER: _____

PUMP SPECIFICATIONS AND AUTOMATIC SHUTOFF PLAN FOR ROADSIDE DITCH & STORM SEWER OUTFALLS APPEAR ON SHEET(S):

V. FLOW RESTRICTOR SIZE

OUTFALL PIPE SIZE: N/A

RESTRICTOR PIPE SIZE: N/A

ON SHEET(S): N/A

6. OFFSITE SHEET FLOW (100 YEAR)

OFFSITE SHEET FLOW MAPPING, TOTAL DISCHARGE CALCULATIONS, AND DESIGN ACCOMMODATIONS ARE SHOWN ON SHEET(S): C4.00

TOTAL ACREAGE = 0 (AC.)

TOTAL DISCHARGE = 0 (CFS)

☒ ALL OFFSITE SHEET FLOW FROM ADJACENT PROPERTIES IDENTIFIED AND PROPERLY ACCOUNTED FOR IN THE PROJECT.

☒ SIGNING ENGINEER HEREBY CERTIFIES THAT THESE AREAS HAVE BEEN ADDRESSED.

7. STORMWATER QUALITY

I. SWPPP: CONSTRUCTION MEASURES (COMPLETE FOR ALL PROJECTS)

NUMBER OF ACRES DISTURBED: 3.38 ACRES

☒ DISTURBS >1AC. SITE PLAN & DETAILS ON SHEET(S): C2.00

☐ DISTURBS <1AC. N/A

II. APPLICABILITY FOR PERMANENT FEATURES (COMPLETE FOR ALL PROJECTS)

EXEMPT NEW DEVELOPMENT:

☐ PROJECT IS ON A PARCEL, WITHIN A LARGER COMMON PLAN OF DEVELOPMENT OR SALE, LESS THAN 5 ACRES. THIS EXEMPTION IS VERIFIED WITH THE PLAT AND/OR GENERAL PLAN ON THE PROPERTY.

EXEMPT REDEVELOPMENT:

☒ THE INCREASE IN THE TOTAL AMOUNT OF IMPERVIOUS SURFACE, CURRENT PROJECT AND ANY SINCE 10/01/2001, ON A PREVIOUSLY DEVELOPED 5 ACRE OR LARGER PARCEL, INDIVIDUALLY AND/OR CONTIGUOUSLY OWNED, IS LESS THAN 1 ACRE.

NEW IMPERVIOUS:

CURRENT PROJECT	PREVIOUS PROJECT(S) TOTAL	TOTAL (CURRENT+PREVIOUS)

EXEMPT GRANDFATHERED:

☐ DRAINAGE FROM THIS PROJECT OUTFALLS DIRECTLY INTO AN EXISTING AND APPROVED DRAINAGE SYSTEM PRIOR TO 10/01/2001 WITH NO NEW DETENTION REQUIREMENT. INCLUDE THE ORIGINAL DRAINAGE AREA MAP OF THAT SYSTEM FOR VERIFICATION. D.A. MAP NAME: _____ DATE: _____ APPROVED HC PROJECT NO.: _____

III. GENERAL

☐ PROJECT'S SWQ REQUIREMENTS FALL WITHIN THE JURISDICTION OF: _____ (ONLY COMPLETE IF OUTSIDE OF UNINCORPORATED HARRIS COUNTY)

☐ STORMWATER QUALITY PERMIT REQUIREMENT IS COVERED BY:

☐ EXISTING SWQMP

PROJECT TITLE: _____

HC PROJECT NO.: _____ HC SWQ PERMIT NO.: _____

SWQ SERVICE AREA MAP INCLUDED ON SHEET(S): _____

☐ INDUSTRIAL PERMITTING. (IAC AND SUPPORTING DOCUMENTATION MUST BE SUBMITTED) PERMIT NO: _____

IF THE PROJECT IS NOT EXEMPT, OUTSIDE OF HARRIS COUNTY'S JURISDICTION, OR COVERED BY AN EXISTING SWQMP, A STORMWATER QUALITY MANAGEMENT PLAN IS REQUIRED.

IV.



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TOMBALL, TEXAS

DEMOLITION NOTES

1. Drawings show the general extent of demolition work, however it is impractical to indicate or note every item of demolition. Any items shown dashed are to be removed to make way for new construction, unless noted otherwise.
2. Existing materials containing asbestos to be removed under separate contract prior to construction by Owner's asbestos abatement contractor.
3. Contact the Owner prior to the start of demolition to determine items to be salvaged and returned to Owner.
4. Protect items to remain from damage during demolition.
5. Properly protect and store items to be removed and reinstalled or relocated.
6. Repair or replace at no cost to the Owner any damages to the existing building and site (and all areas whether scheduled for construction or not) as a result of construction activities.
7. Refer to electrical and mechanical demolition plan for additional information.
8. Patch/repair flooring to match existing at all removed or demolished doors, windows, walls, millwork, lockers and similar items.
9. For any surfaces receiving a paint refresh, ensure surfaces are properly prepared to receive paint per manufacturer requirements.

Issued for Bid



ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No. Revision Date

Project Director:
Project Architect: RSJ
Project Designer:
Drawn By: SDR

PROJECT NO.

25-0158.00

SHEET TITLE

DEMO SITE PLAN -
OVERALL - TOMBALL
MEMORIAL HS

SHEET NO.

A0.01

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Tomball Athletic Improvements

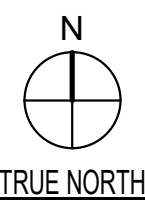
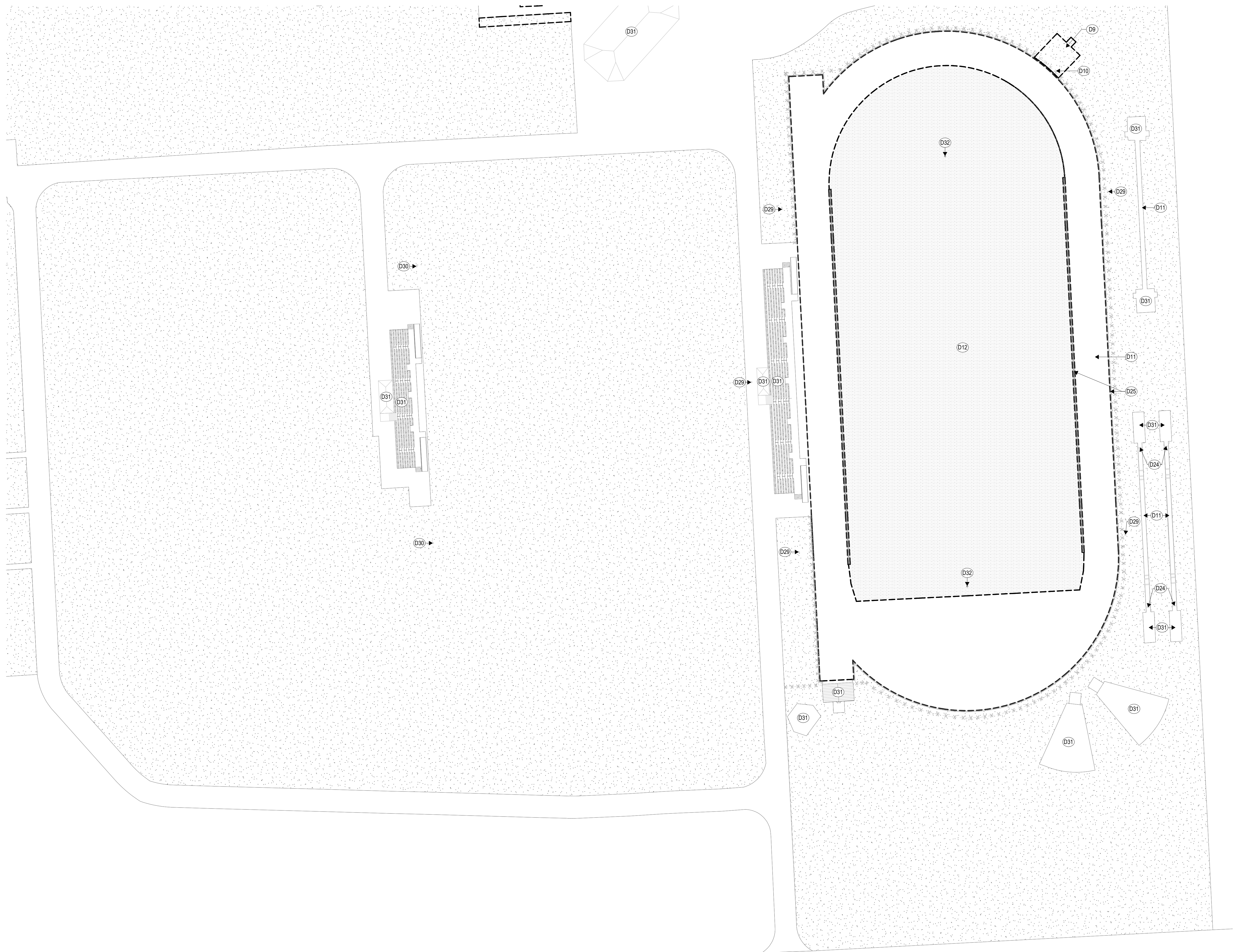
REF. A0.01B

REF. A0.01A

EXISTING SCHOOL BUILDING



1 OVERALL DEMO SITE PLAN - TOMBALL MEMORIAL HS
SCALE: 1" = 60'-0"



1

DEMO SITE PLAN - COMPETITION FIELD - TOMBALL MEMORIAL HS
SCALE: 1" = 40'-0"

DEMOLITION NOTES

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DEMOLITION KEYNOTES

MARK	DESCRIPTION
------	-------------

DEMO NOTES

D9	ADD/ALT. - PREPARE AREA FOR STORAGE SHED & CONCRETE PAD. REF. A1.22
D10	DEMOLISH FENCE FOR ACCESS TO STORAGE SHED
D11	DEMOLISH EXISTING TRACK SURFACE TO PREPARE FOR NEW RESURFACING AND RESTRIPIING
D12	DEMOLISH CURRENT FIELD CONDITIONS TO PREPARE FOR NEW SYNTHETIC TURF INSTALL
D24	REMOVE ALL EXISTING "TAKE-OFF" BOARDS AND PREPARE AREA FOR NEW REPLACEMENT BOARDS
D25	EXISTING TRACK CONCRETE CURB/TRENCH DRAIN AND SIDEWALK TO REMAIN. CONTRACTOR TO PROTECTS EXISTING CONDITIONS DURING CONSTRUCTION OF NEW FIELD SURFACE AND TRACK SURFACE REPLACEMENT
D29	REMOVE EXISTING LIGHTING FIXTURES TO PREPARE FOR NEW LED LIGHTING UPGRADES. MAINTAIN AND PROTECT EXISTING LIGHTING POLES.
D30	ADD/ALT. - REMOVE EXISTING LIGHTING FIXTURES AT TENNIS COURTS AND SOCCER FIELD TO PREPARE FOR NEW LED LIGHTING UPGRADES. MAINTAIN AND PROTECT EXISTING LIGHTING POLES
D31	EXISTING SITE CONDITION. CONTRACTOR TO PROTECT ALL AREAS THAT ARE NOT SCHEDULED FOR CONSTRUCTION THROUGHOUT THE DURATION OF THE PROJECT. ANY AREAS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY SHALL BE REPAIRED TO MATCH PRE-DAMAGED CONDITIONS AT NO COST TO THE OWNER.
D32	ADD/ALT. - PREPARE GOAL POST SURFACE PER MANUFACTURER'S REQUIREMENTS TO RECEIVE NEW PAINT



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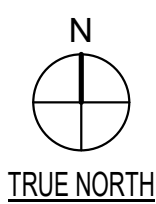
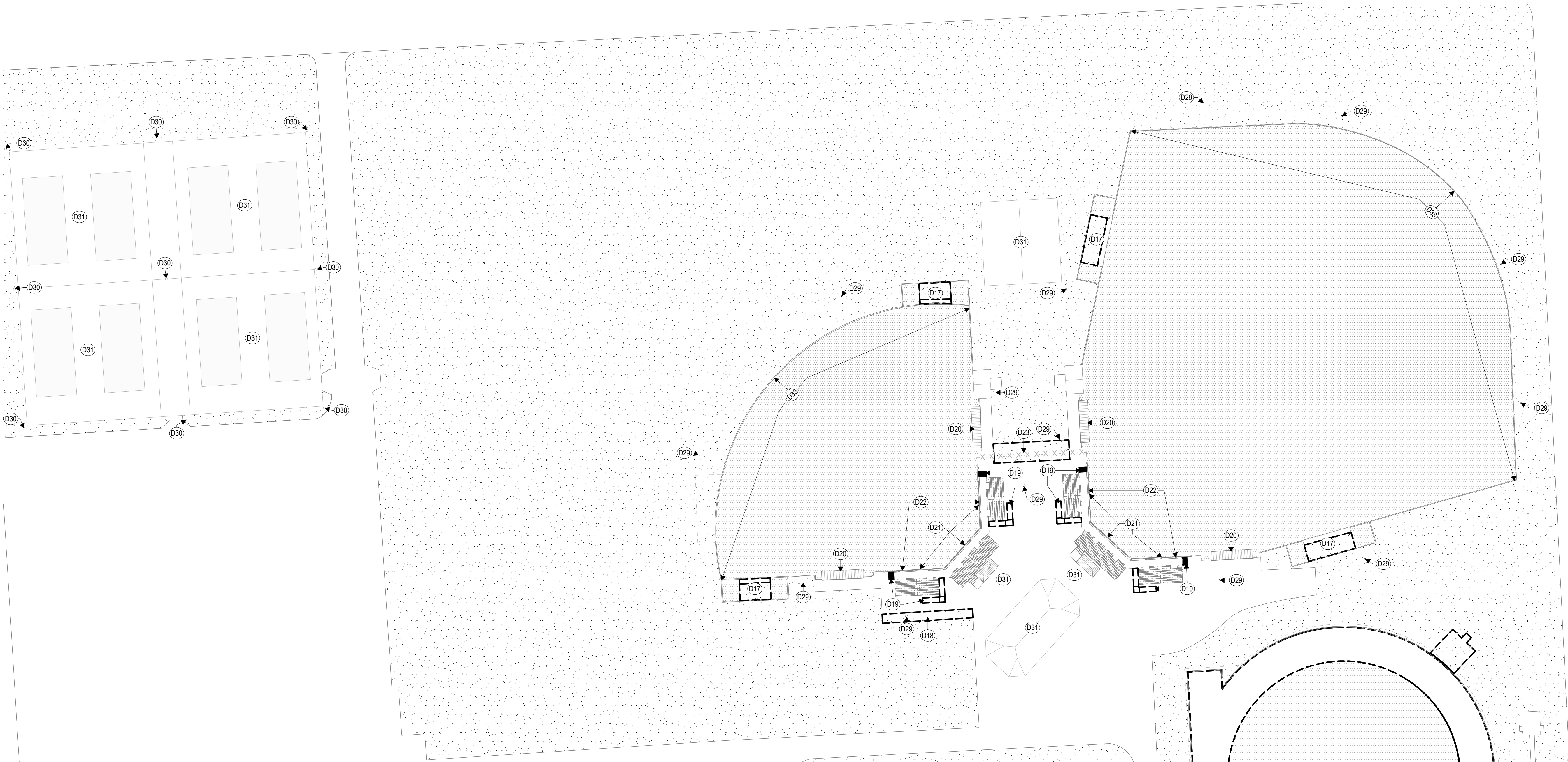
DEMO SITE PLAN -
COMPETITION FIELD -
TOMBALL MEMORIAL HS

SHEET NO.

A0.01A

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Tomball Athletic Improvements



1 DEMO SITE PLAN - BSBALL/SFBALL FIELDS - TOMBALL MEMORIAL HS
SCALE: 1" = 50'-0"

DEMOLITION NOTES

- Drawings show the general extent of demolition work, however it is impractical to indicate or note every item of demolition. Any items shown dashed are to be removed to make way for new construction, unless noted otherwise.
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- Repair or replace at no cost to the Owner any damages to the existing building and site (and all areas whether scheduled for construction or not) as a result of construction activities.
- Refer to electrical and mechanical demolition plan for additional information.
- Patch/repair flooring to match existing at all removed or demolished doors, windows, walls, millwork, lockers and similar items.
- For any surfaces receiving a paint refresh, ensure surfaces are properly prepared to receive paint per manufacturer requirements.

DEMOLITION KEYNOTES

MARK	DESCRIPTION
------	-------------

DEMO NOTES

D17	ADD/ALT. - REMOVE CONCRETE PAD AND PREPARE GRASS AREA FOR NEW SYNTHETIC TURF INSTALLATION
D18	PREPARE EXISTING AREA FOR NEW CONCRETE SIDEWALK
D19	SALVAGE STAIRS AND RAMP FOR RELOCATION FOR BLEACHER EXPANSION
D20	REMOVE EXISTING DUGOUT PADDING
D21	REMOVE EXISTING BACKSTOP PADDING
D22	REMOV CAREFULLY AND SALVAGE NETTING TO RETURN TO OWNER
D23	REMOVE EXISTING CHAIN LINK FENCE AND ASSOCIATED FOOTINGS AND PREPARE AREA FOR NEW CONCRETE SIDEWALK AND NEW FENCING
D29	REMOVE EXISTING LIGHTING FIXTURES TO PREPARE FOR NEW LED LIGHTING UPGRADES. MAINTAIN AND PROTECT EXISTING LIGHTING POLES.
D30	ADD/ALT. - REMOVE EXISTING LIGHTING FIXTURES AT TENNIS COURTS AND SOCCER FIELD TO PREPARE FOR NEW LED LIGHTING UPGRADES. MAINTAIN AND PROTECT EXISTING LIGHTING POLES.
D31	EXISTING SITE CONDITION. CONTRACTOR TO PROTECT ALL AREAS THAT ARE NOT SCHEDULED FOR CONSTRUCTION THROUGHOUT THE DURATION OF THE PROJECT. ANY AREAS DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITY SHALL BE REPAIRED TO MATCH PRE-DAMAGED CONDITIONS AT NO COST TO THE OWNER.
D33	ADD/ALT. - REMOVE ANY EXISTING ITEMS ATTACHED TO OUTFIELD FENCE AND TURN OVER TO OWNER TO PREPARE FENCING TO RECEIVE NEW OUTFIELD PADDING



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25-0158.00

SHEET TITLE

DEMO SITE PLAN -
BSBALL/SFBALL FIELDS -
TOMBALL MEMORIAL HS

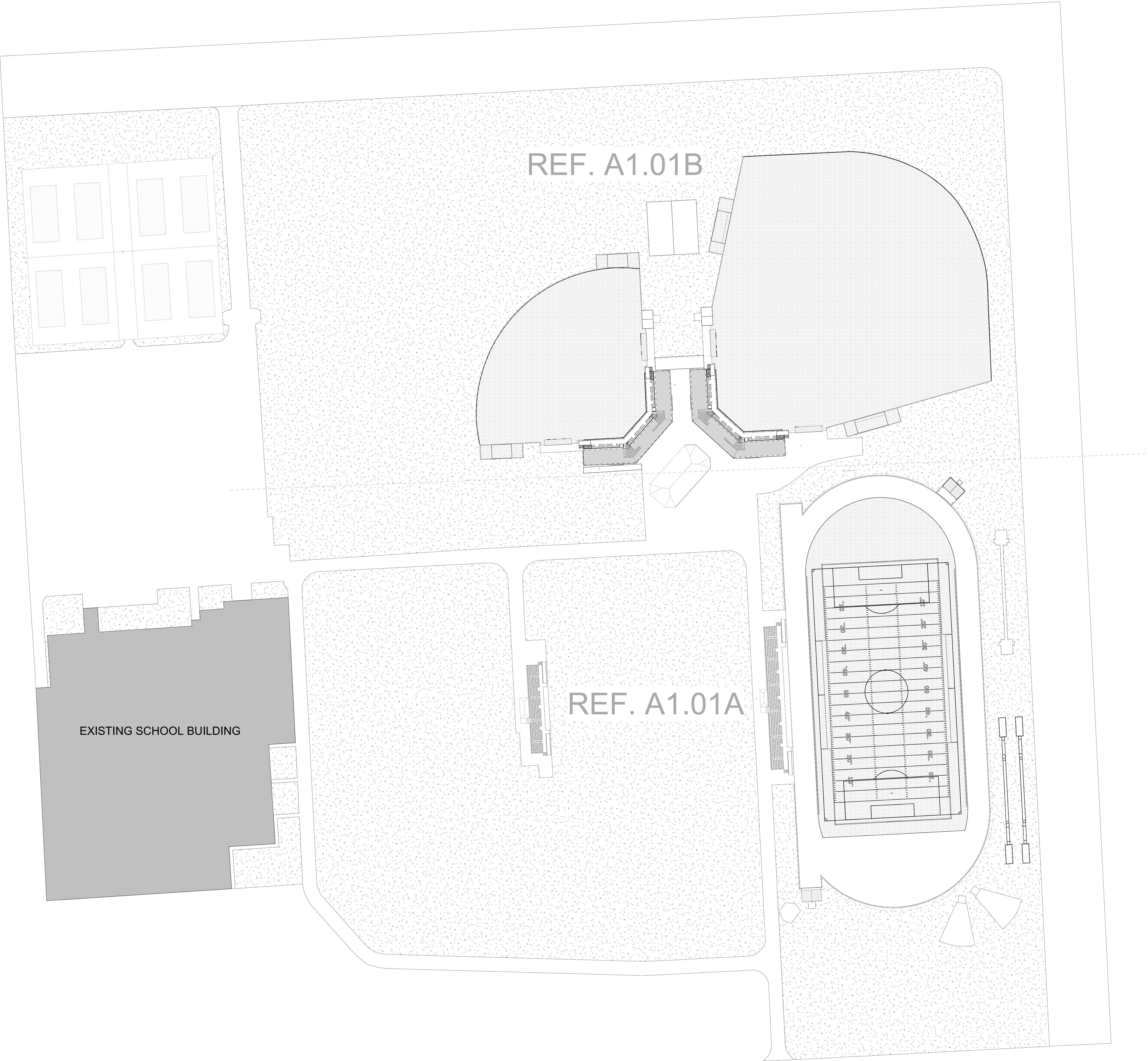
SHEET NO.

A0.01B

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Tomball Athletic Improvements

SCALE: NTS



SITE PLAN NOTES	
1.	Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
2.	To prevent damage to existing trees and shrubs in proximity to the Work, provide and maintain protective barriers around those items in accordance with the specified procedures, or in the absence of those procedures, with recognized landscaping and horticultural practices.

SITE PLAN LEGEND	
-----	FIRE LANE (PER CITY STANDARDS)
-X-X-X-	CHAIN LINK FENCE, See Plan for Heights
-X-X-X-	EXISTING CHAIN LINK FENCE, See Plan for Heights
-O-O-O-	WOOD FENCE, See Plan for Heights
-O-O-O-	EXISTING WOOD FENCE, See Plan for Heights
-// -// -// -//	ORNAMENTAL FENCE, See Plan for Heights
-// -// -// -//	EXISTING ORNAMENTAL FENCE, See Plan for Heights



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Drawn By: SDR

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SHEET TITLE

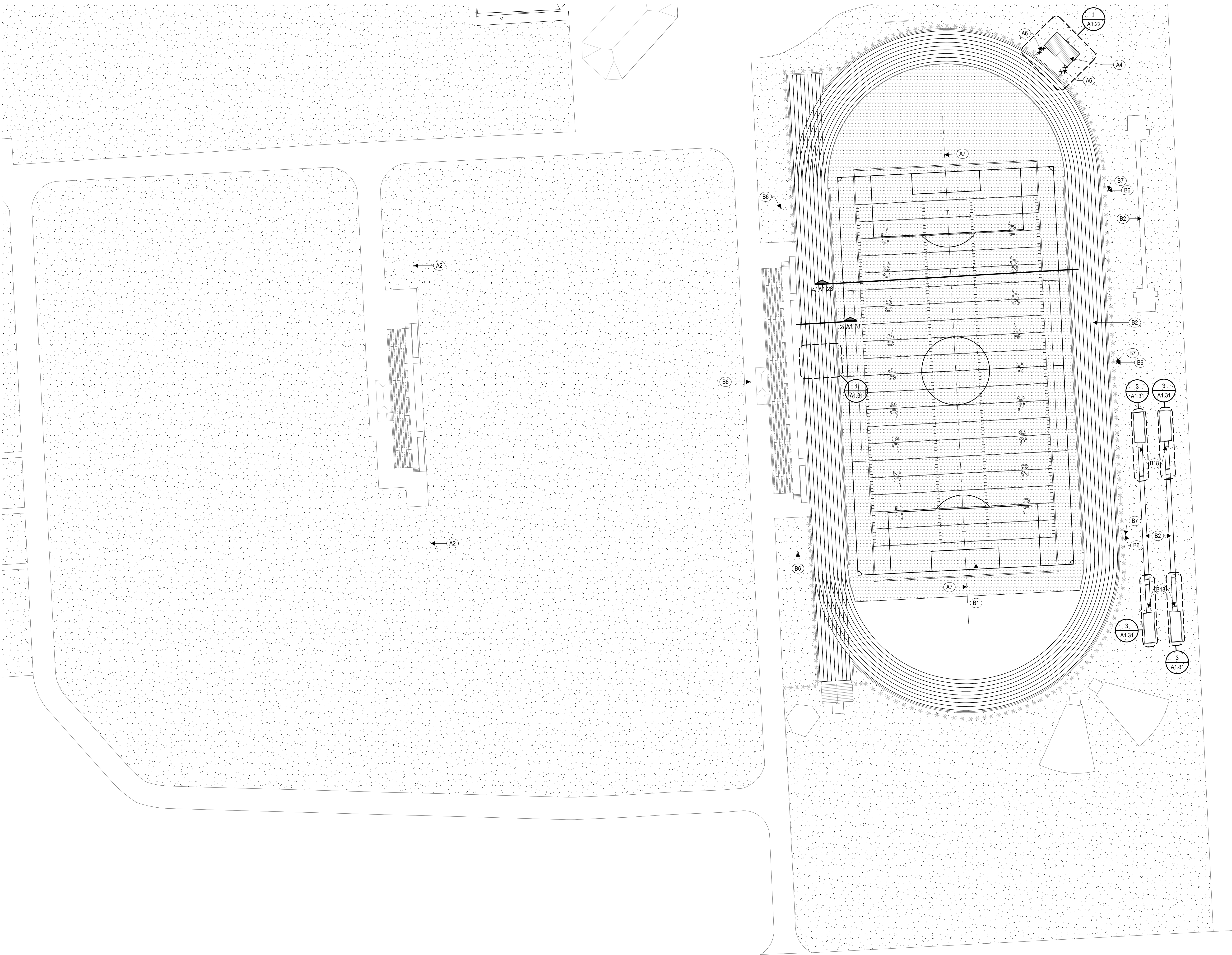
TOMBALL MEMORIAL HS - OVERALL SITE PLAN

SHEET NO.

A1.01

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Tomball Athletic Improvements



1 SITE PLAN - TOMBALL MEMORIAL HS - COMPETITION FIELDS
SCALE: 1" = 40'-0"

KEYNOTES - TMHS	
MARK	DESCRIPTION
A2	ADD/ALT. - LED LIGHTING UPGRADES AT TENNIS COURTS AND SOCCER FIELDS, REF. MEP DRAWINGS
A4	ADD/ALT. - PRE-ENGINEERED METAL STORAGE BUILDING
A6	ADD/ALT. - ADD CHAIN LINK FENCING (WITH A HEIGHT & APPEARANCE MATCHING EXISTING FENCING) TO ENCLOSE THE CONCRETE PAD OF THE STORAGE SHED, REF. 4/A1.31 FOR TYPICAL CHAIN LINK FENCE DETAIL
A7	ADD/ALT. - PAINT REFRESH FOR GOAL POSTS. PROPERLY PREPARE SURFACE TO RECEIVE PAINT AND PAINT PER MANUFACTURER REQUIREMENTS
B1	SYNTHETIC TURF INSTALL/REPLACEMENT
B2	TRACK RESURFACING/RESTRIPING AT EXISTING RUNWAYS
B6	SPORTS LED LIGHTING UPGRADES, REF. MEP DRAWINGS
B7	ADDED SPORTS LED FIXTURE HALFWAY UP EXISTING POLE FOR BETTER VISIBILITY FOR FIELD EVENTS, REF. MEP DRAWINGS
B18	NEW "TAKE OFF" BOARDS PER SPECIFICATIONS AND DETAIL

SITE PLAN NOTES	
1.	Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
2.	To prevent damage to existing trees and shrubs in proximity to the Work, provide and maintain protective barriers around those items in accordance with the specified procedures, or in the absence of those procedures, with recognized landscaping and horticultural practices.

SITE PLAN LEGEND	
-----	FIRE LANE (PER CITY STANDARDS)
-X-X-X-	CHAIN LINK FENCE, See Plan for Heights
-X-X-X-	EXISTING CHAIN LINK FENCE, See Plan for Heights
-O-O-O-	WOOD FENCE, See Plan for Heights
-O-O-O-	EXISTING WOOD FENCE, See Plan for Heights
-//--//--//	ORNAMENTAL FENCE, See Plan for Heights
-//--//--//	EXISTING ORNAMENTAL FENCE, See Plan for Heights

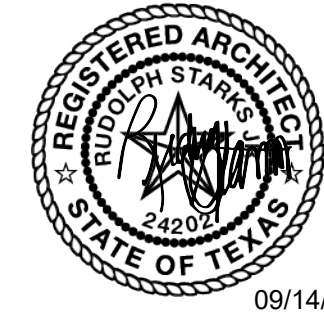


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Project Designer:

Drawn By: SDR

PROJECT NO.

25-0158.00

SHEET TITLE

TOMBALL MEMORIAL HS -
COMPETITION FIELD - SITE
PLAN

SHEET NO.

A1.01A

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Tomball Athletic Improvements



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SHEET TITLE

TOMBALL MEMORIAL HS -
BSBALL/SFBALL FIELDS -
SITE PLAN

SHEET NO.

A1.01B

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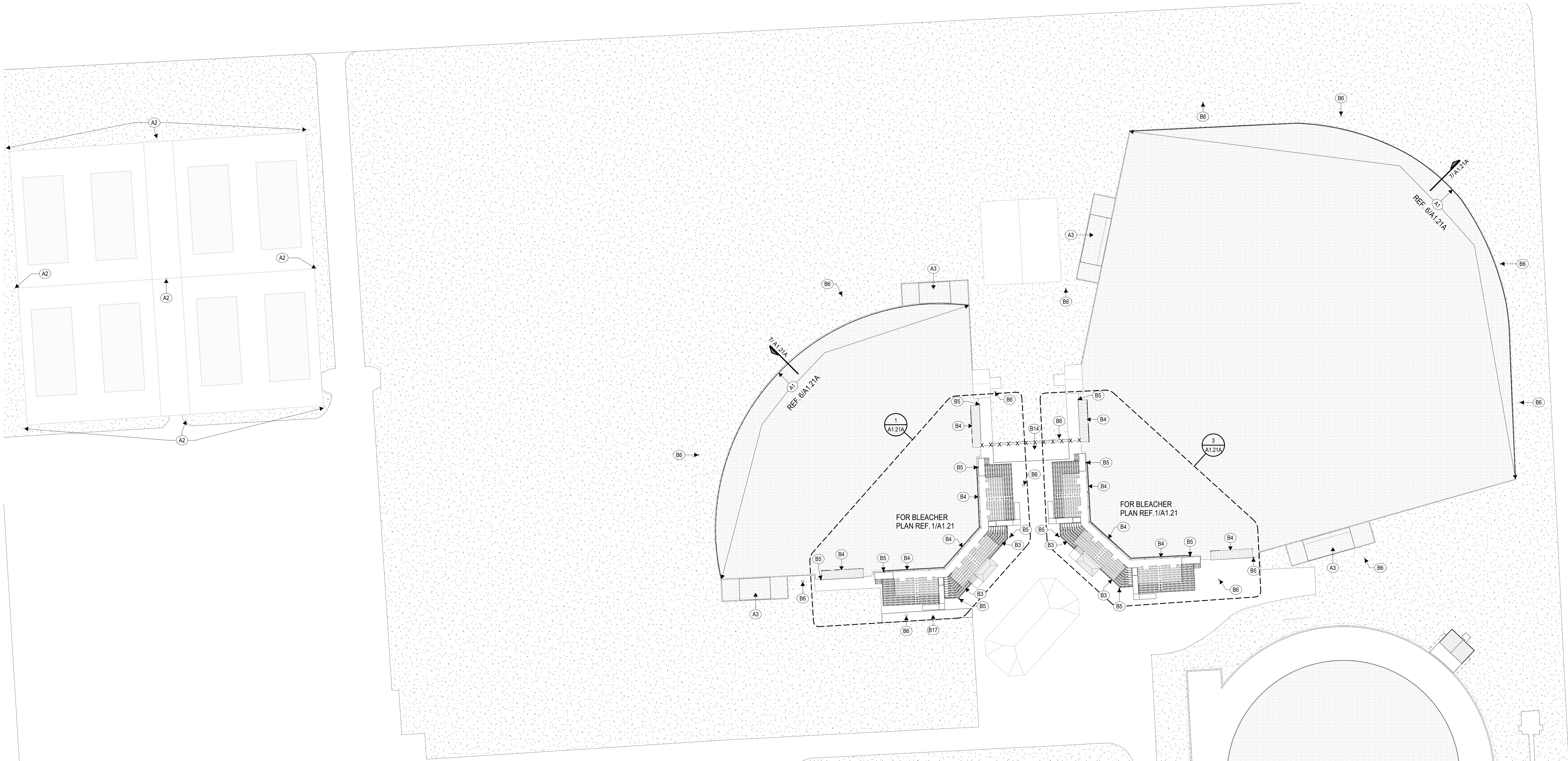
KEYNOTES - TMHS	
MARK	DESCRIPTION
A1	ADD/ALT. - PROVIDE OUTFIELD FENCE PADDING AT BASEBALL AND SOFTBALL FIELDS
A2	ADD/ALT. - LED LIGHTING UPGRADES AT TENNIS COURTS AND SOCCER FIELDS. REF. MEP DRAWINGS
A3	ADD/ALT. - TURFING OF SOFTBALL/BASEBALL BULLPENS
B3	SEATING EXPANSION AT BASEBALL/SOFTBALL COMPLEX
B4	BACKSTOP PADDING UPGRADES
B5	NETTING SYSTEM UPGRADES, PRESERVE EXISTING NETTING AND RETURN TO OWNER
B6	SPORTS LED LIGHTING UPGRADES. REF. MEP DRAWINGS
B14	EXTEND SIDEWALK AND ALTER FENCE LINE TO LINE UP WITH DUGOUT ENTRANCE. MATCH NEW FENCE HEIGHT TO WHAT WAS EXISTING. REF. 4/A1.31 FOR TYPICAL CHAIN LINK FENCE DETAIL
B17	NEW CONCRETE SIDEWALK. REF. CIVIL

SITE PLAN NOTES

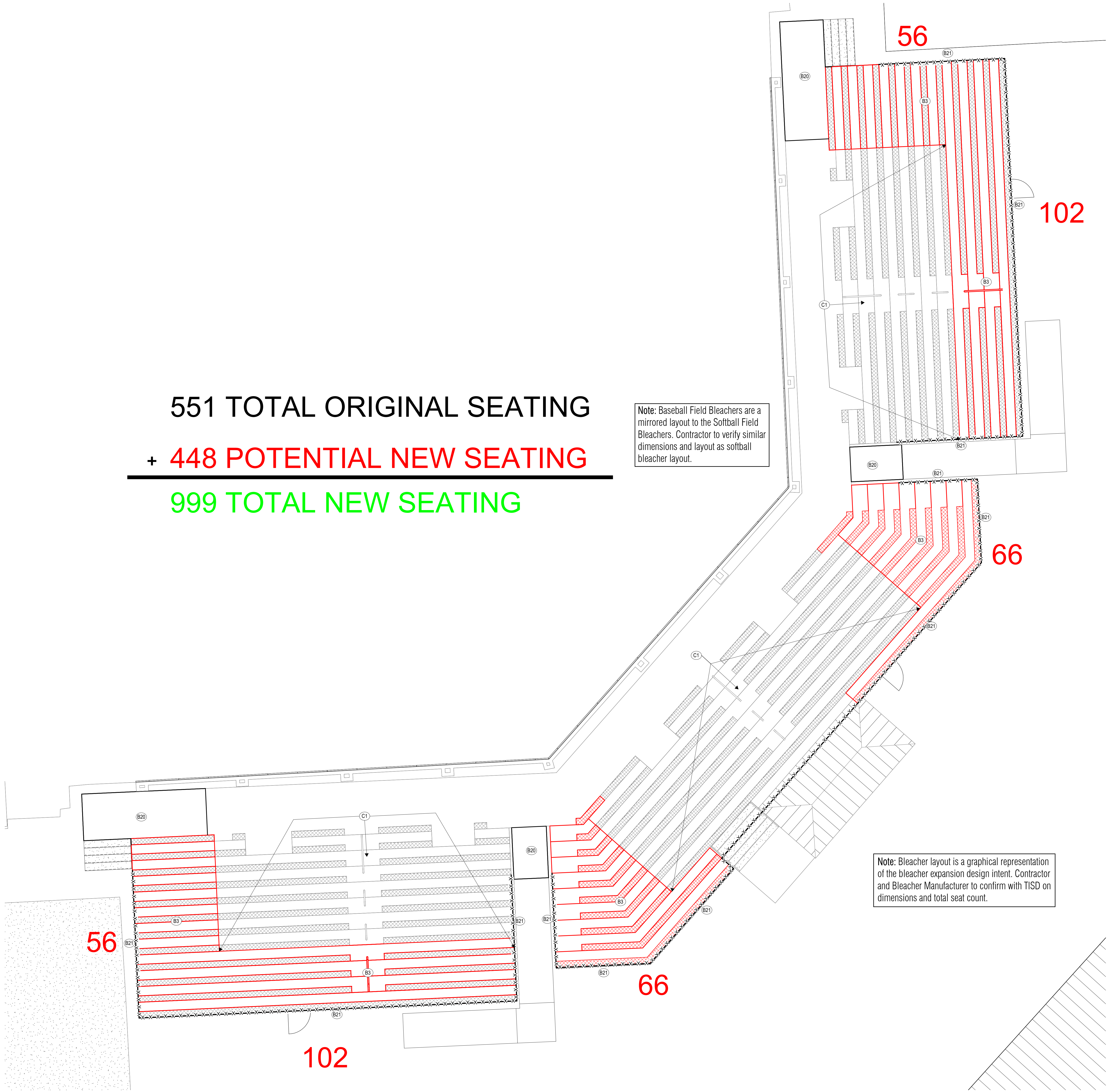
1. Verify and document existing dimensions and conditions at the site before beginning construction. Notify the Architect of conflicts or variations prior to commencement of construction.
2. To prevent damage to existing trees and shrubs in proximity to the Work, provide and maintain protective barriers around those items in accordance with the specified procedures, or in the absence of those procedures, with recognized landscaping and horticultural practices.

SITE PLAN LEGEND

- FIRE LANE (PER CITY STANDARDS)
- X-X-X- CHAIN LINK FENCE, See Plan for Heights
- X-X-X- EXISTING CHAIN LINK FENCE, See Plan for Heights
- O-O-O- WOOD FENCE, See Plan for Heights
- O-O-O- EXISTING WOOD FENCE, See Plan for Heights
- // -// -// -// ORNAMENTAL FENCE, See Plan for Heights
- // -// -// -// EXISTING ORNAMENTAL FENCE, See Plan for Heights



1 SITE PLAN - TOMBALL MEMORIAL HS - BSBALL/SFBALL FIELDS
SCALE: 1" = 40'-0"



551 TOTAL ORIGINAL SEATING
+ 448 POTENTIAL NEW SEATING

999 TOTAL NEW SEATING

Note: Baseball Field Bleachers are a mirrored layout to the Softball Field Bleachers. Contractor to verify similar dimensions and layout as softball bleacher layout.

Note: Bleacher layout is a graphical representation of the bleacher expansion design intent. Contractor and Bleacher Manufacturer to confirm with TISD on dimensions and total seat count.

SITE PLAN LEGEND	
---	FIRE LANE (PER CITY STANDARDS)
-X-X-X-	CHAIN LINK FENCE, See Plan for Heights
-X-X-X-	EXISTING CHAIN LINK FENCE, See Plan for Heights
-O-O-O-	WOOD FENCE, See Plan for Heights
-O-O-O-	EXISTING WOOD FENCE, See Plan for Heights
-//--//--	ORNAMENTAL FENCE, See Plan for Heights
-//--//--	EXISTING ORNAMENTAL FENCE, See Plan for Heights

KEYNOTES - TMHS	
MARK	DESCRIPTION
B3	SEATING EXPANSION AT BASEBALL/SOFTBALL COMPLEX
B20	EXTEND LANDING TO ACCOMODATE BLEACHER EXPANSION. MOVE EXISTING STAIRS AND RAMP TO ALIGN WITH NEW LANDING. CONTRACTOR TO FIELD VERIFY EXTENTS OF NEW EXTENDED LANDING WITH EXISTING CMU DUGOUT WALL FOR ACCURRATE LANDING DIMENSIONS & LOCATION
B21	UNDER BLEACHER CHAIN LINK FENCING WITH GATES INSTALLED TO ALIGN WITH NEW BLEACHER EXPANSION EDGE. HEIGHT OF FENCING WILL ALIGN WITH THE BOTTOM OF THE ABOVE BLEACHERS
C1	EXISTING BLEACHER SEATING AT BASEBALL/SOFTBALL COMPLEX



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TOMBALL ISD
TOMBALL, TEXAS

Issued for Bid



ISSUED: SEPTEMBER 14, 2026

REVISIONS
Revision No. Revision Date

Project Director:
Project Architect: RSJ
Project Designer:
Drawn By: SDR

PROJECT NO.
25-0158.00
SHEET TITLE

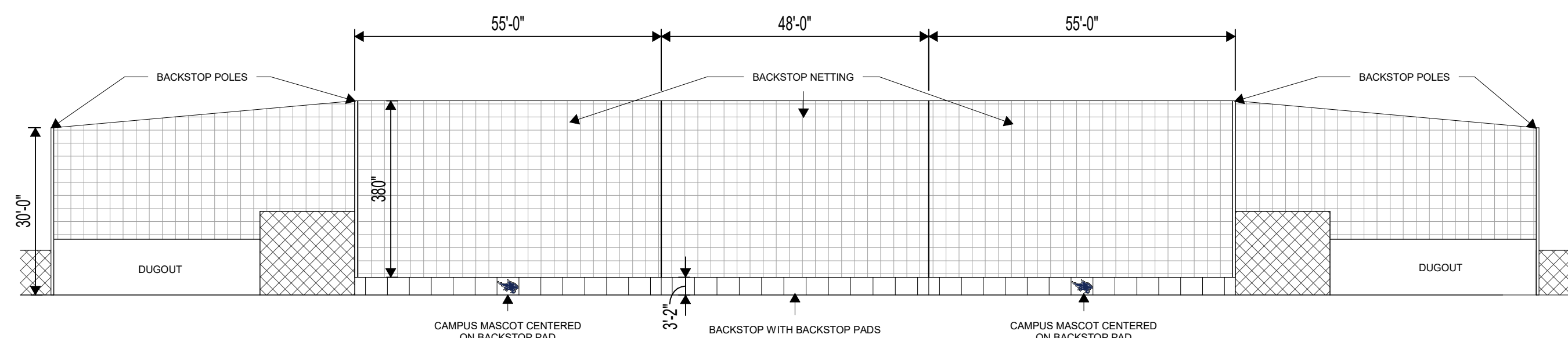
TOMBALL MEMORIAL HS -
BLEACHER EXPANSION
PLAN
SHEET NO.

A1.21

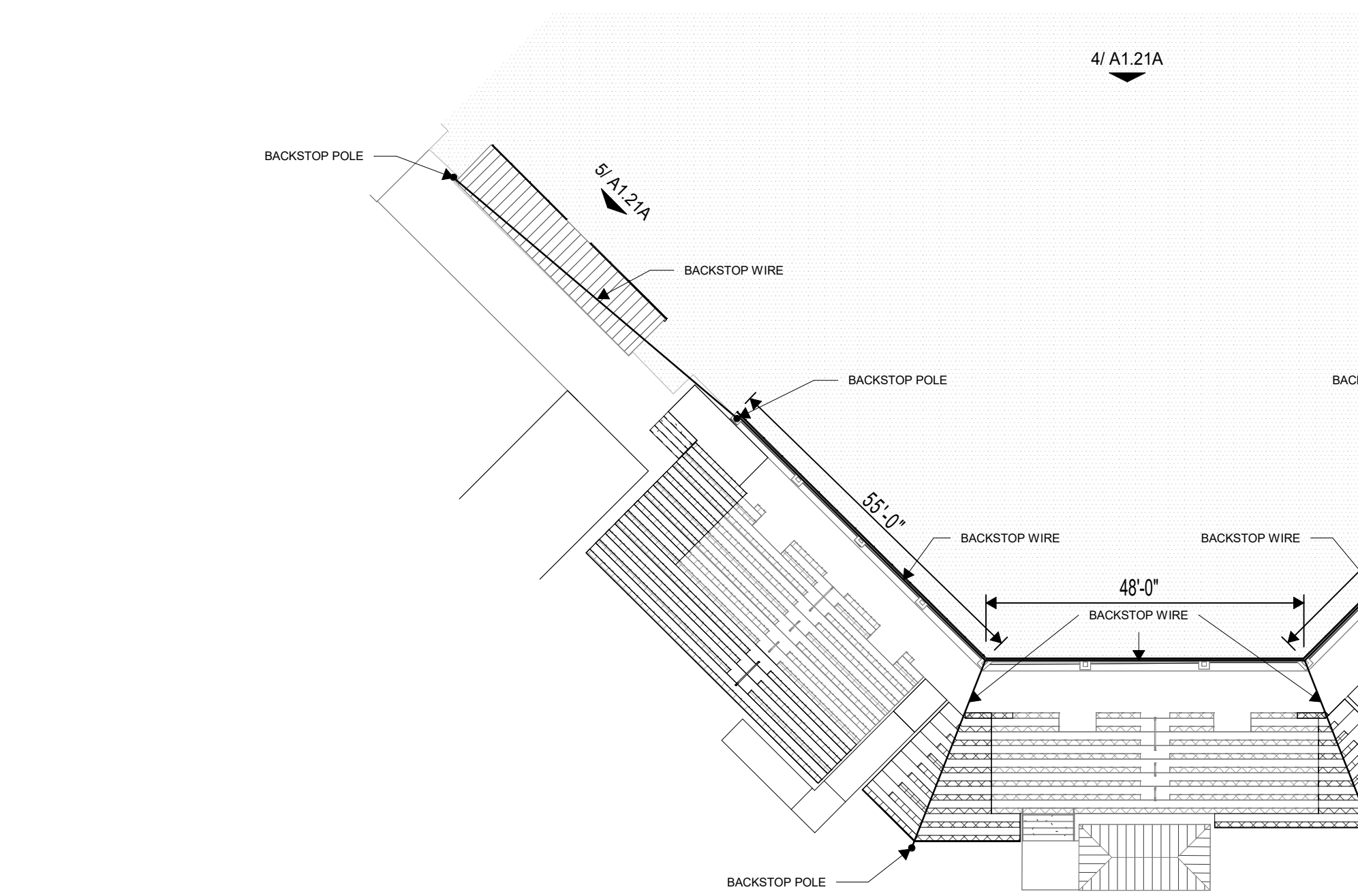
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Tomball Athletic Improvements

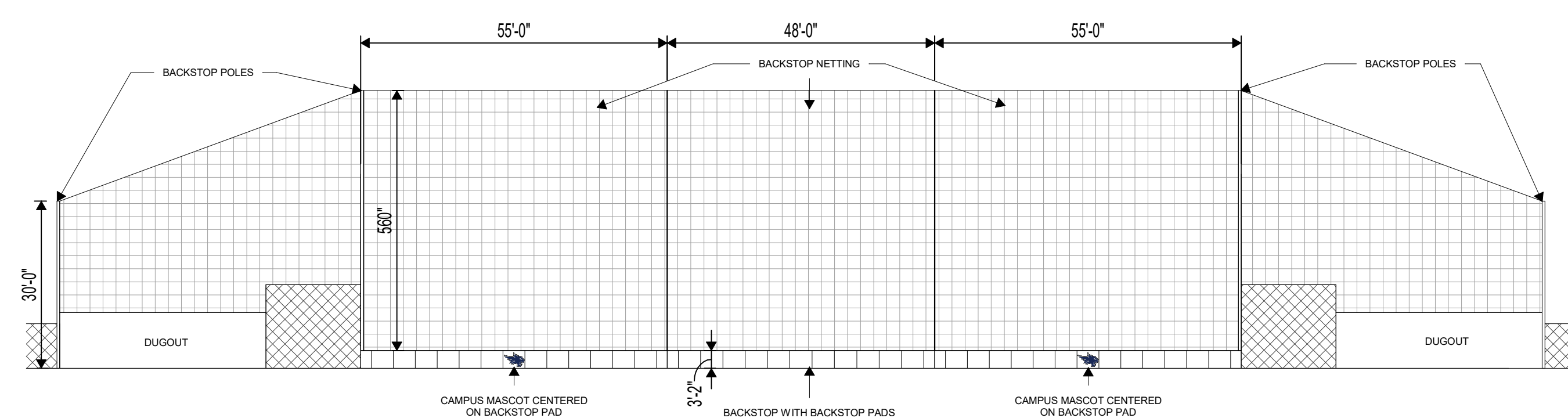
① **SOFTBALL FIELD - NETTING AND BACKSTOP PADDING PLAN**
SCALE: 1" = 20'-0"



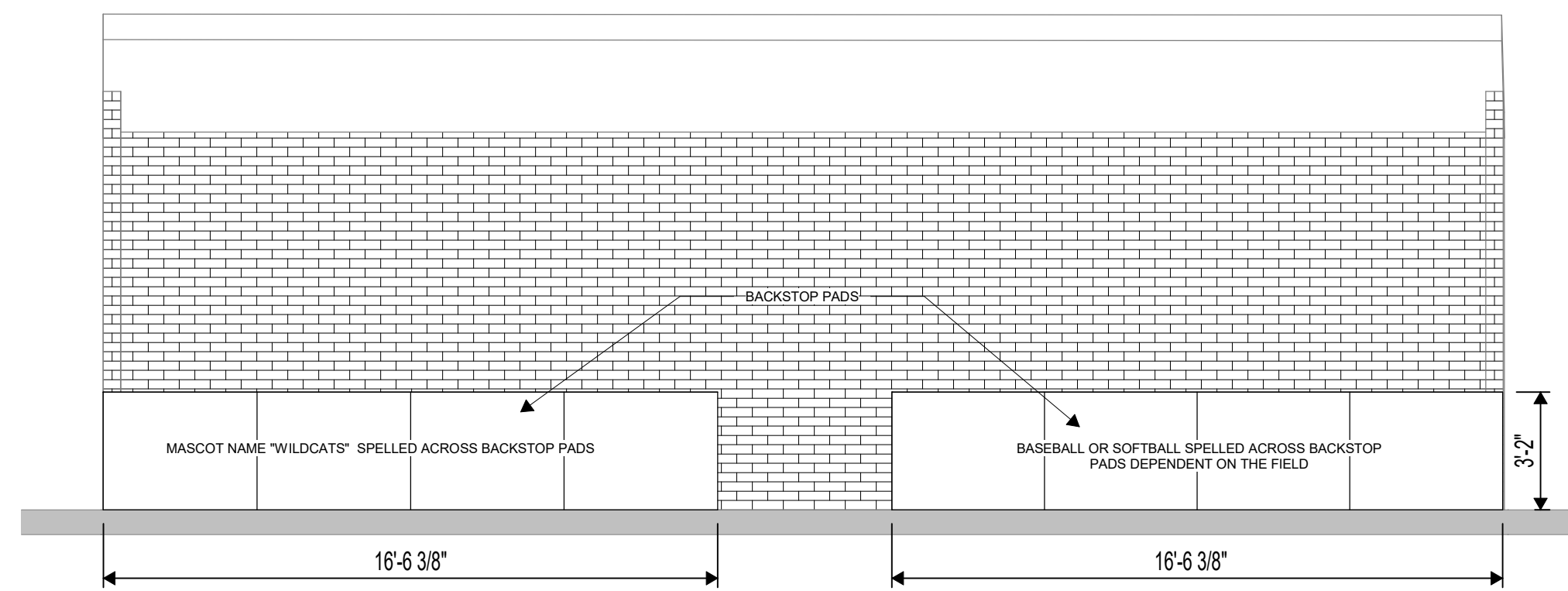
② **SOFTBALL - NETTING ELEVATION**
SCALE: NTS



③ **BASEBALL FIELD - NETTING AND BACKSTOP PADDING PLAN**
SCALE: 1" = 20'-0"

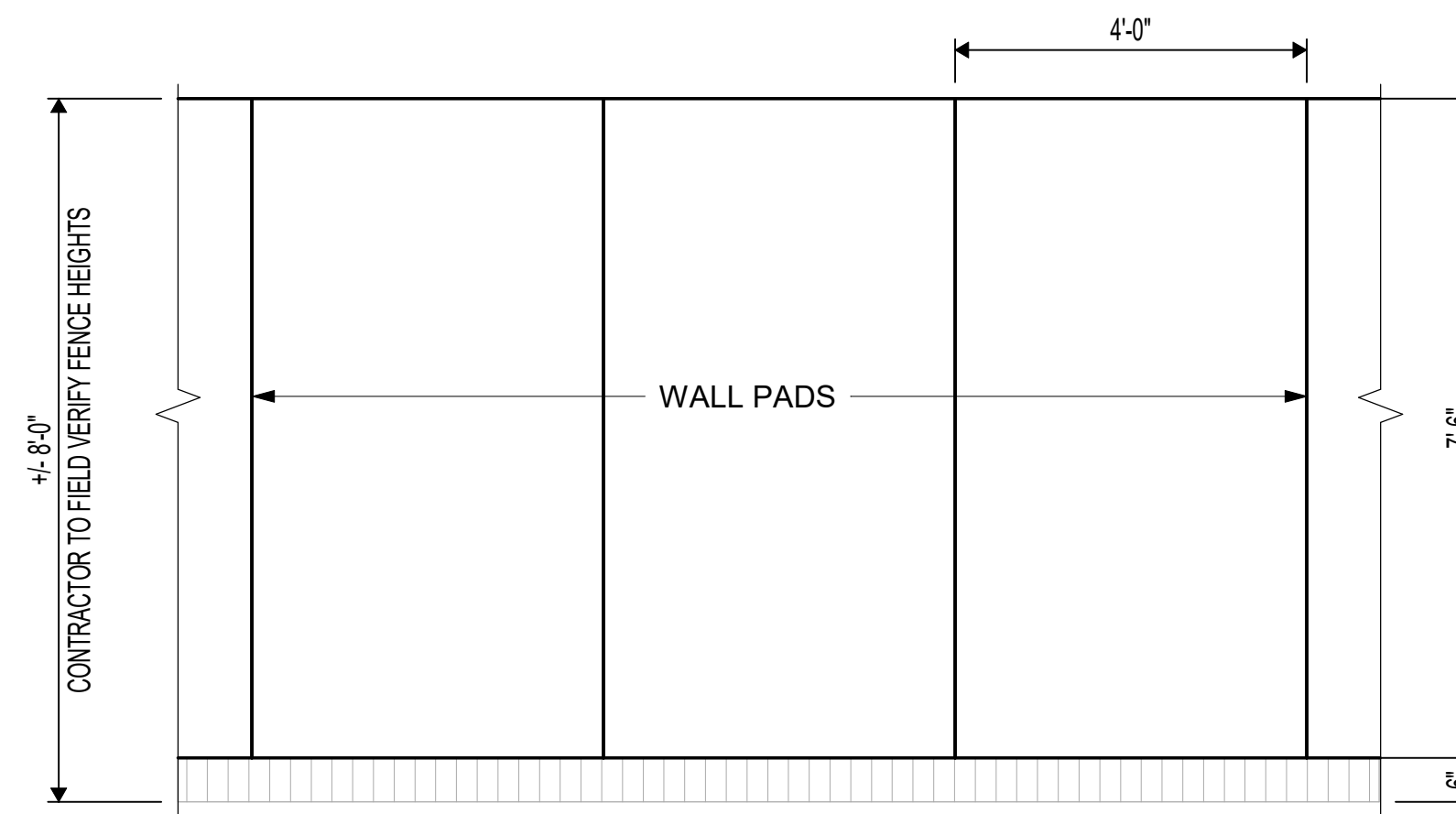


④ **BASEBALL - NETTING ELEVATION**
SCALE: NTS

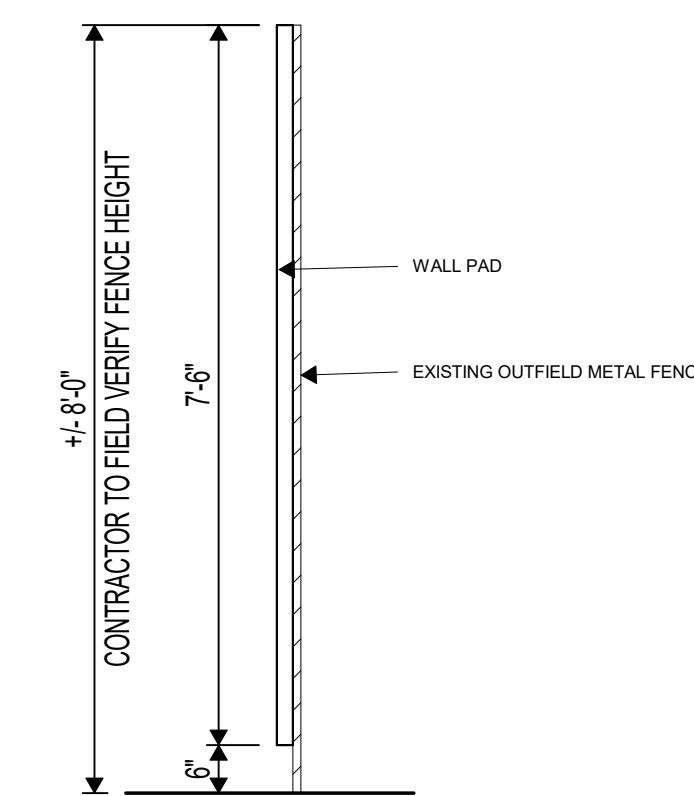


⑤ **DUGOUT PADDING -TYP.**
SCALE: 1/4" = 1'-0"

Note: Outfield Padding should cover the expanse of the outfield fencing at baseball and softball fields. Contractor to field verify fencing heights and extents of outfield fence.



⑥ **OUTFIELD FENCE PADDING ELEVATION TYP.**
SCALE: 1/2" = 1'-0"



⑦ **OUTFIELD FENCE PADDING SECTION**
SCALE: 1/2" = 1'-0"

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Project Designer:

Drawn By: SDR

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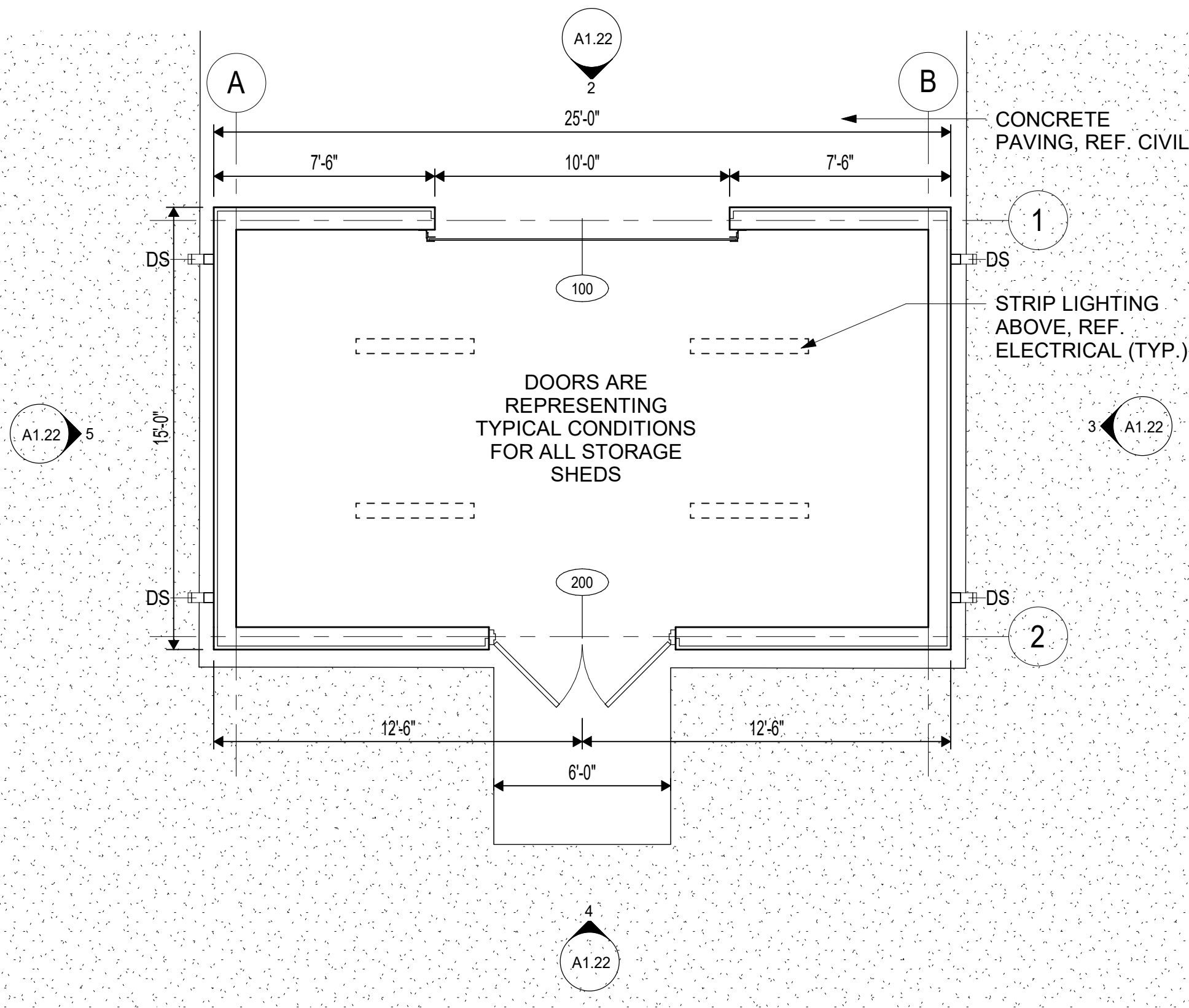
25-0158.00

SHEET TITLE

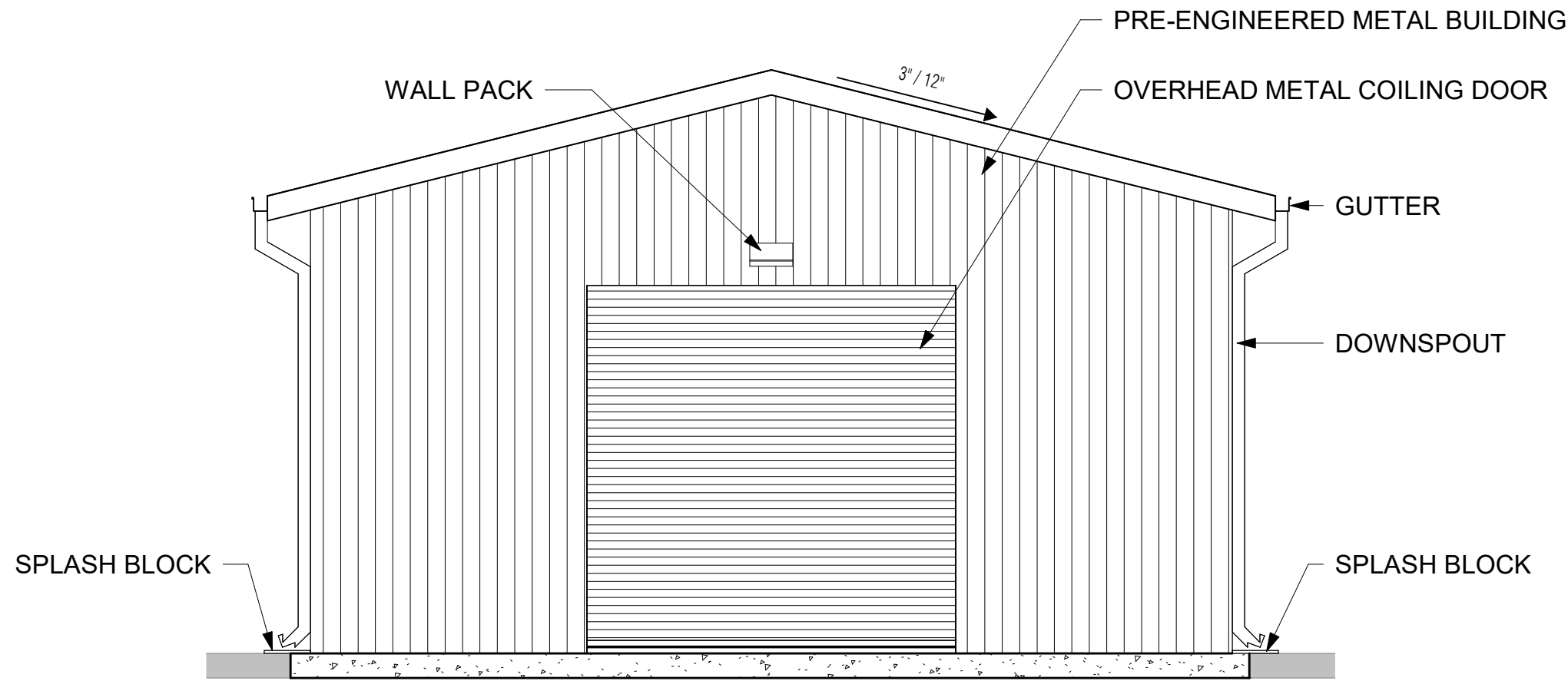
TOMBALL MEMORIAL HS -
BLEACHER NETTING AND
BACKSTOPS

SHEET NO.

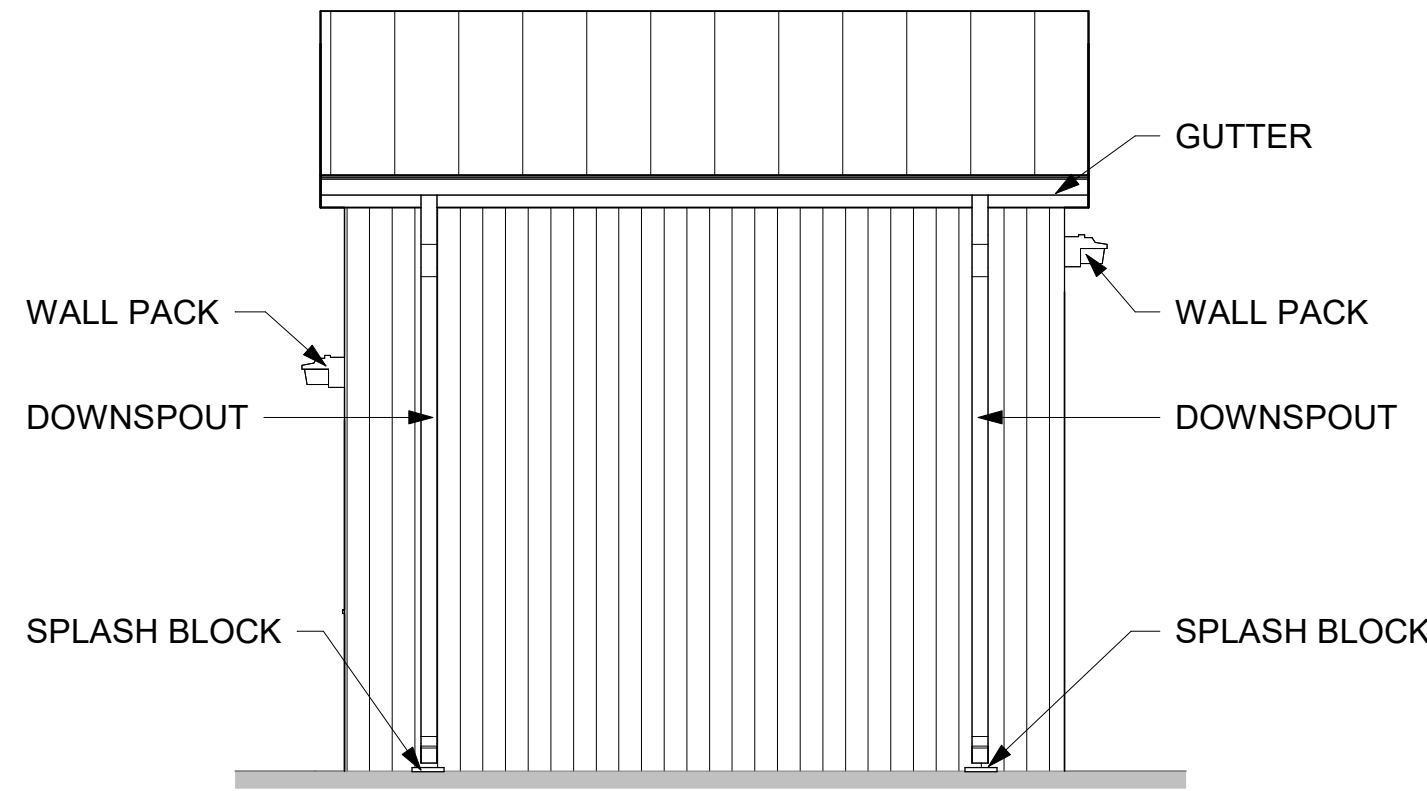
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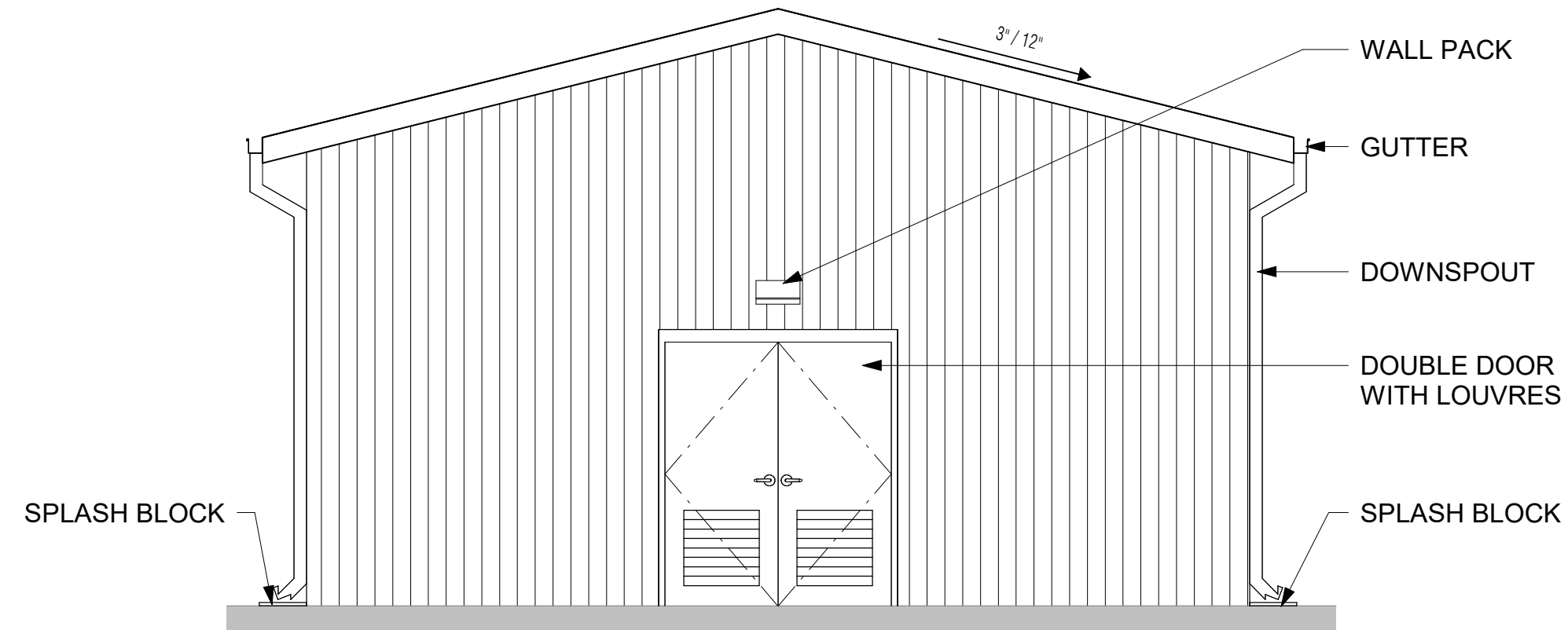
1 ADD./ALT. - STORAGE BUILDING - PLAN - TYP.
SCALE: 1/4" = 1'-0"



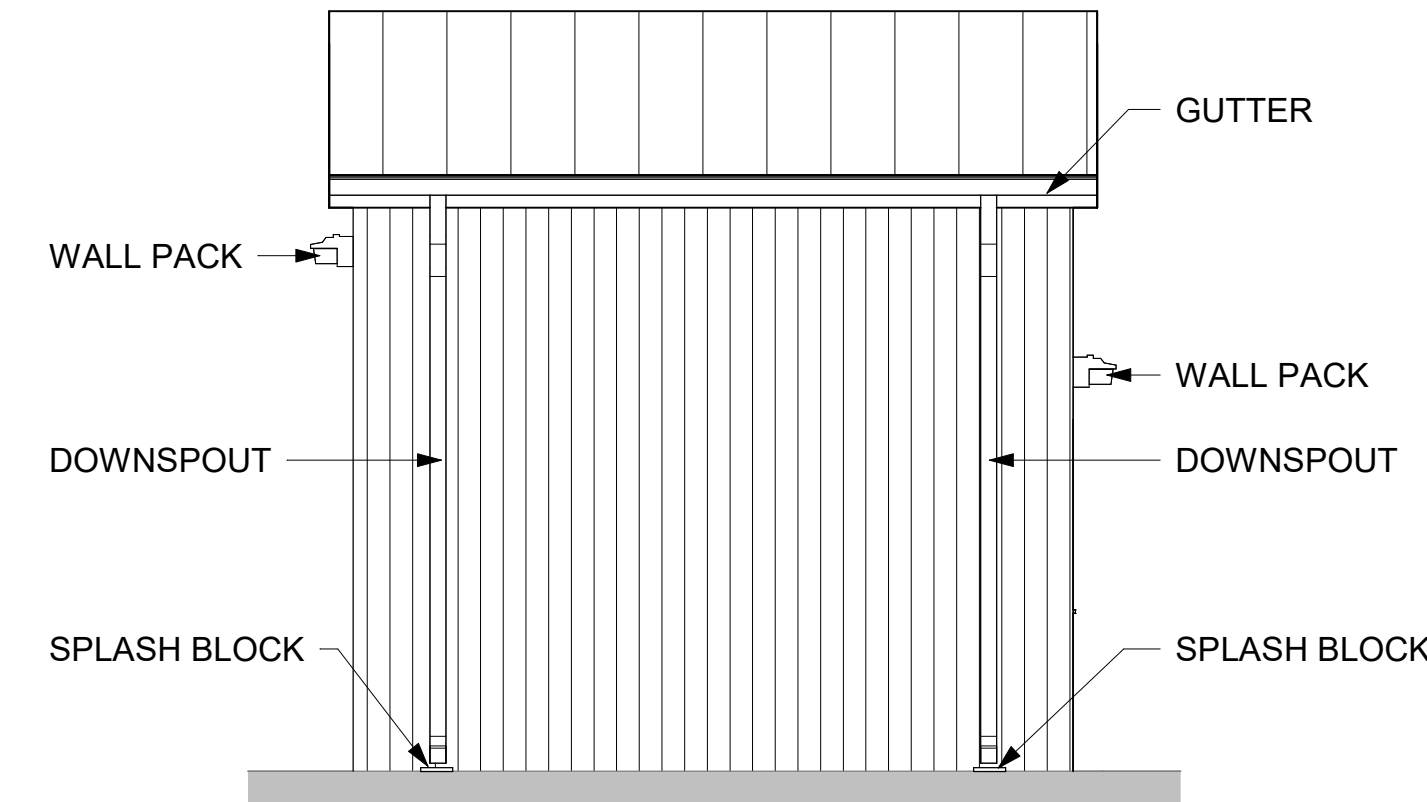
2 STORAGE BUILDING ELEVATION - A
SCALE: 1/4" = 1'-0"



3 STORAGE BUILDING ELEVATION - B
SCALE: 1/4" = 1'-0"

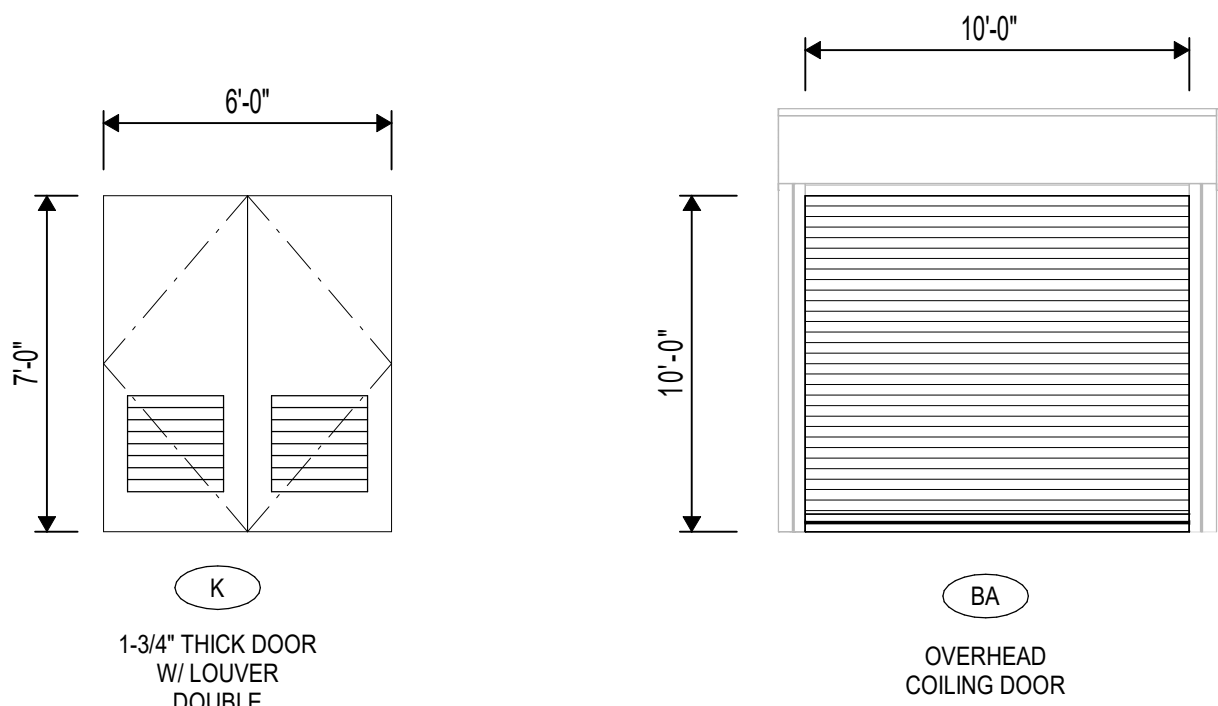


4 STORAGE BUILDING ELEVATION - C
SCALE: 1/4" = 1'-0"



5 STORAGE BUILDING ELEVATION - D
SCALE: 1/4" = 1'-0"

DOOR MASTER SCHEDULE						
DOOR NO.	DOOR TYPE	DOOR MATERIAL	FRAME TYPE	DOOR OPENING		REMARKS
				WIDTH	HEIGHT	
100	BA	16	STL.	10'-0"	10'-0"	REFER TO SITE PLAN FOR DOOR QUANTITIES
200	K	4	HM.	6'-0"	7'-0"	REFER TO SITE PLAN FOR DOOR QUANTITIES



6 DOOR TYPES
SCALE: 1/4" = 1'-0"

DOOR MATERIAL NOTES	
MARK	PANEL MATERIAL
1	Plastic Laminate
2	Stained Wood
3	Painted Wood
4	Painted Hollow Metal
5	Painted Metal Sound Control Door & Frame
6	Painted Metal Tornado-Resistant Door & Frame
7	Stainless Steel on Plywood
8	Wire Mesh
9	Aluminum & Glass - Wide Stile Storefront
10	Aluminum & Glass - Medium Stile Storefront
11	Aluminum & Glass - Non-Storefront Interior
12	Stainless Steel & Glass
13	Insulated Painted Steel - Manual
14	Insulated Painted Steel - Motorized
15	Insulated Painted Steel Tornado & Hurricane Resistant - Motorized
16	Non-Insulated Painted Steel - Manual
17	Non-Insulated Painted Steel - Motorized
18	Non-Insulated Painted Steel, Tornado & Hurricane Resistant - Motorized
19	Non-Insulated Stainless Steel - Manual
20	Non-Insulated Stainless Steel - Motorized



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Drawn By: SDR

PROJECT NO.
25-0158.00
SHEET TITLE

STORAGE BUILDING TYP. -
ENLARGED PLANS AND
ELEVATIONS

SHEET NO.

A1.22

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Tomball Athletic Improvements

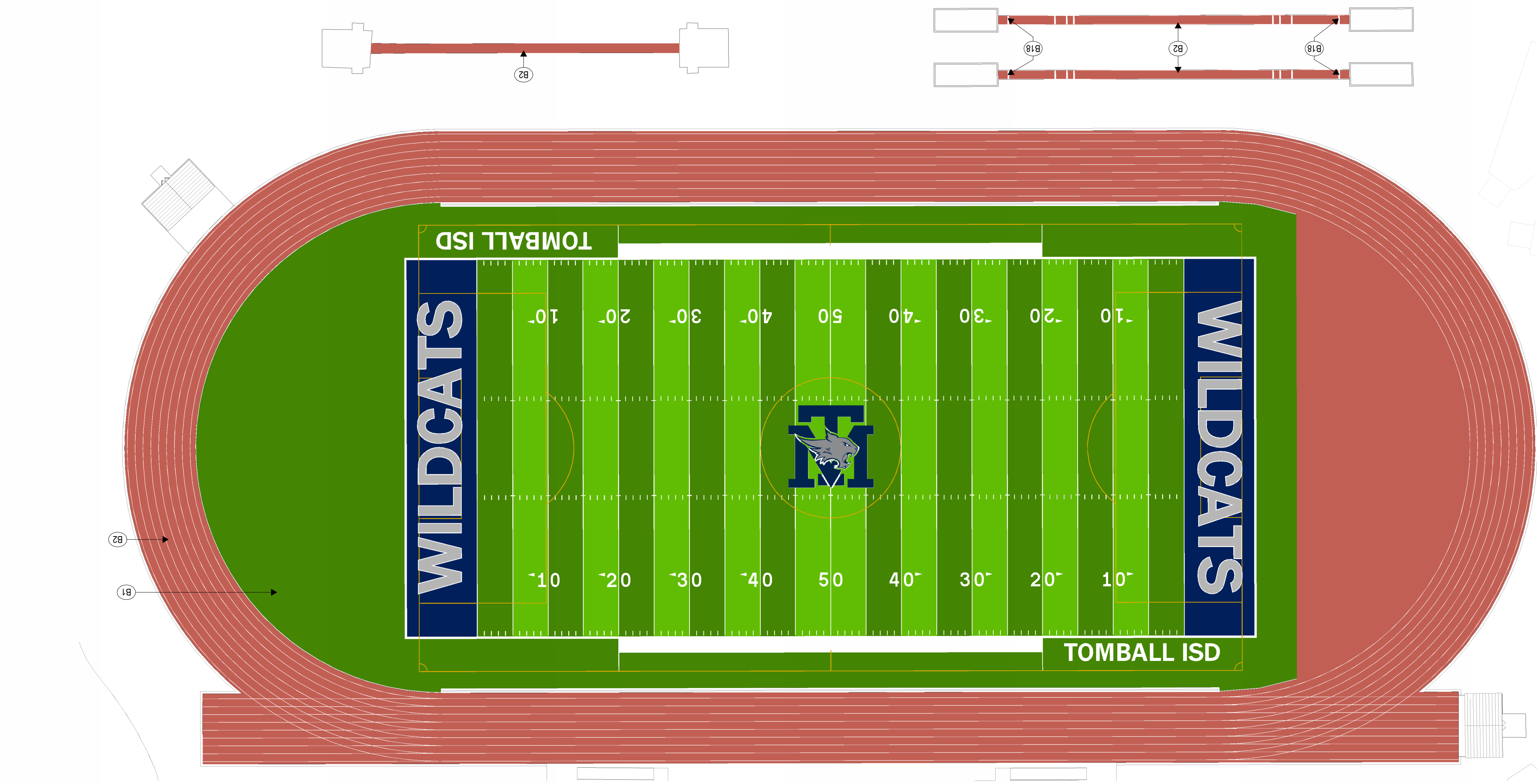
KEYNOTES - TMHS	
MARK	DESCRIPTION
B1	SYNTHETIC TURF INSTALL/REPLACEMENT
B2	TRACK RESURFACING/RESTRIPING AT EXISTING RUNWAYS
B18	NEW "TAKE OFF" BOARDS PER SPECIFICATIONS AND DETAIL



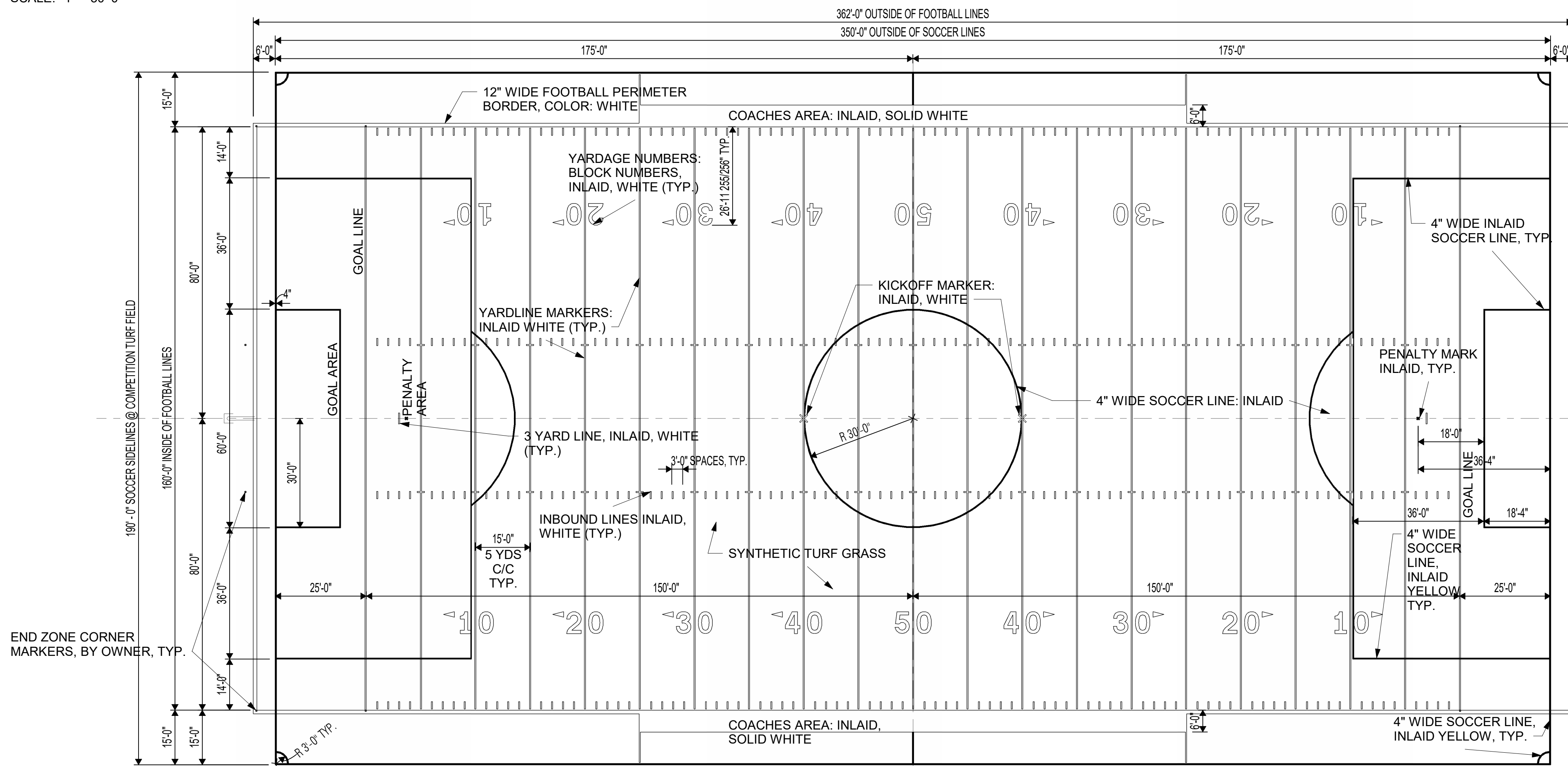
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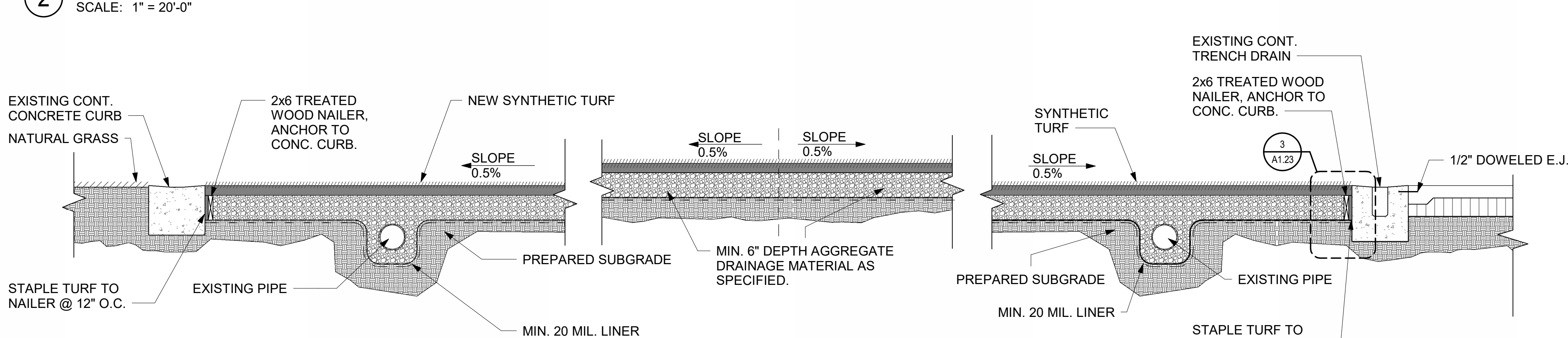


① **TURF DESIGN - TOMBALL MEMORIAL HIGH SCHOOL**
SCALE: 1" = 30'-0"

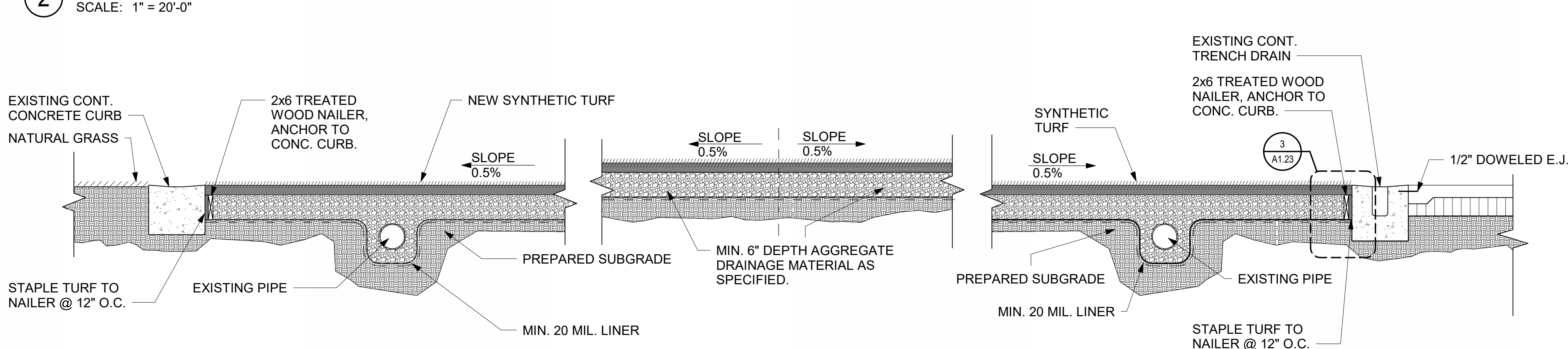


- NOTES:
- ALL FOOTBALL FIELD MARKINGS TO BE 4" WIDE AND WHITE, UNLESS OTHERWISE NOTED.
 - ALL SOCCER MARKINGS TO BE 4" WIDE AND YELLOW, UNLESS OTHERWISE NOTED.

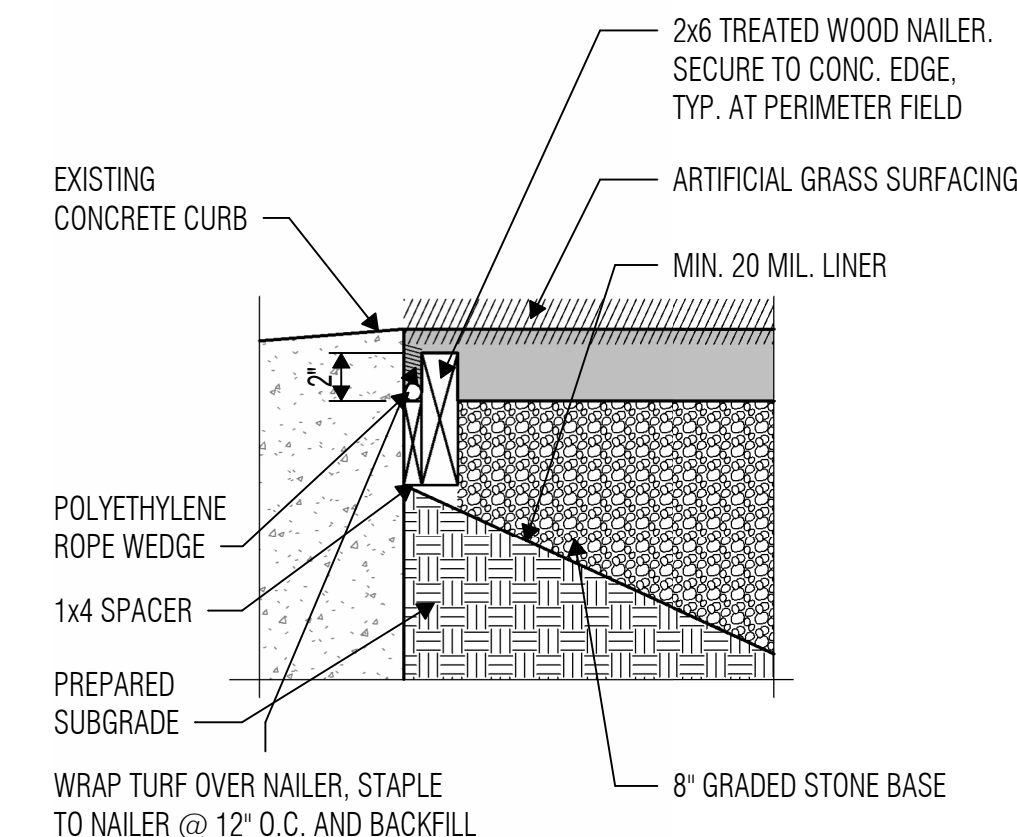
② **TMHS - TYPICAL TURF STRIPING PLAN**
SCALE: 1" = 20'-0"



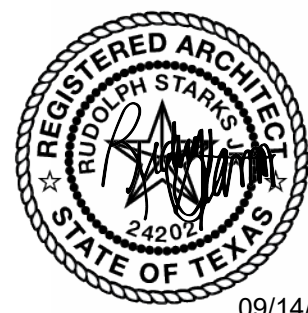
④ **TMHS - TURF SECTION DETAIL TYP.**
SCALE: 1/2" = 1'-0"



③ **TMHS - DETAIL AT EDGE OF TURF - TYP.**
SCALE: 1 1/2" = 1'-0"



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SHEET TITLE

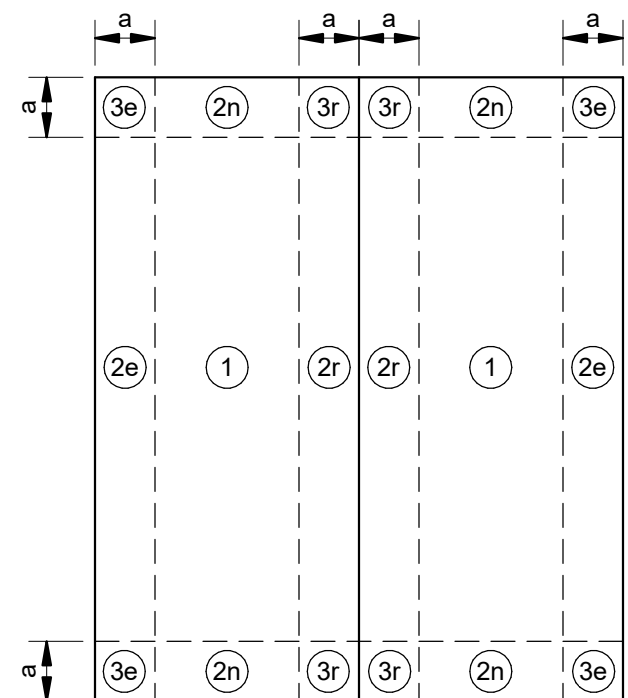
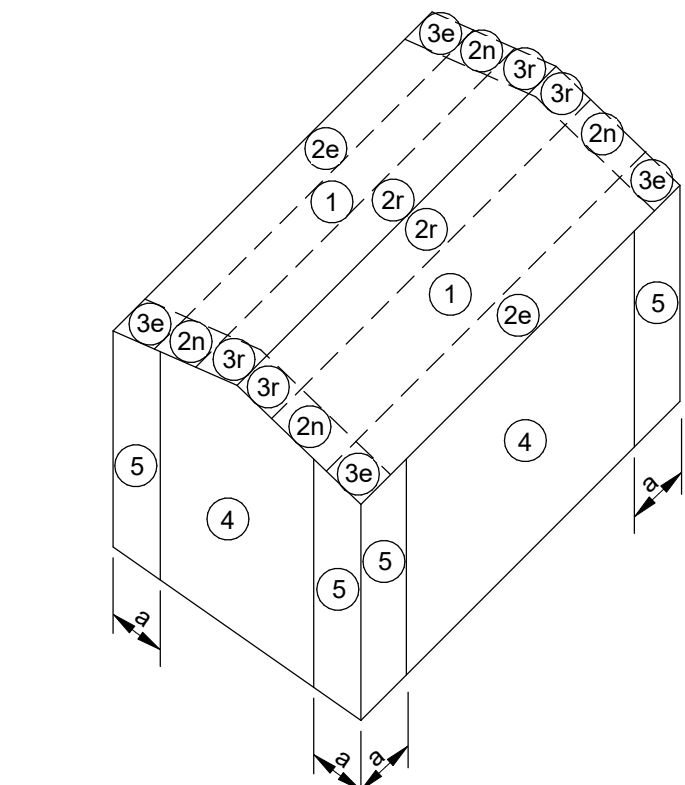
TOMBALL MEMORIAL HS -
TURF DESIGN

SHEET NO.

A1.23

ROOF PRESSURE						
ZONE	0-10 SQ. FT.	20 SQ. FT.	50 SQ. FT.	>100 SQ. FT.	>500 SQ. FT.	>1000 SQ. FT.
1	+21,-64	+19,-64	+16,-39	+16,-20	+16,-20	+16,-20
2n	+21,-93	+19,-81	+16,-64	+16,-51	+16,-35	+16,-35
2r	+21,-93	+19,-81	+16,-64	+16,-51	+16,-35	+16,-35
2e	+21,-64	+19,-64	+16,-39	+16,-20	+16,-20	+16,-20
3r	+21,-111	+19,-95	+16,-74	+16,-58	+16,-58	+16,-58
3e	+21,-93	+19,-81	+16,-64	+16,-51	+16,-35	+16,-35

WALL PRESSURE						
ZONE	0-10 SQ. FT.	20 SQ. FT.	50 SQ. FT.	>100 SQ. FT.	>500 SQ. FT.	>1000 SQ. FT.
4	+35,-38	+33,-36	+31,-34	+29,-32	+26,-29	+26,-29
5	+35,-46	+33,-43	+31,-39	+29,-36	+26,-29	+26,-29



GABLE ROOF

- NOTES:
- (0-10 SQ. FT.) EXAMPLE DENOTES EFFECTIVE WIND AREA.
 - + AND - SIGNS SIGNIFY PRESSURES ACTING TOWARD OR AWAY FROM THE SURFACES, RESPECTIVELY. ALL VALUES SHOWN ARE IN PSF.
 - WIND PRESSURE FOR EFFECTIVE WIND AREAS BETWEEN THE SPECIFIED RANGES MAY BE DETERMINED BY INTERPOLATION, OTHERWISE, USE THE VALUE ASSOCIATED WITH THE LOWER EFFECTIVE AREA.
 - a = WIDTH OF EDGE STRIP EQUAL TO 10% OF THE LEAST HORIZONTAL DIMENSION (L OR B) OR 40% OF THE ROOF HEIGHT (h), WHICHEVER IS SMALLER, BUT NOT LESS THAN 4% OF THE LEAST HORIZONTAL DIMENSION OR 3 FT.
 - ELEMENTS WITH TRIBUTARY AREAS GREATER THAN 700 SQ. FEET MAY BE DESIGNED USING MWFRS PROVISIONS.
 - VALUES SHOWN ARE BASED ON IBC 2021 / ASCE 7-16 WIND CALCULATIONS FOR COMPONENTS AND CLADDING AND ARE ULTIMATE VALUES (LRFD). VALUES SHOWN ARE FOR USE IN ASCE 7-10 LOAD COMBINATIONS SHOWN IN SECTION 2.32 (1.0W).
 - THE BUILDING LAYOUT SHOWN IS INTENDED TO BE SCHEMATIC, APPLY WIND PRESSURE PROVIDED SIMILARLY TO THE BUILDING(S) AT THIS PROJECT.
 - UNLESS OTHERWISE SPECIFIED, ROOF DEAD LOAD TO BE USED FOR NET UPLIFT CALCULATIONS SHALL NOT EXCEED 12 PSF. NET UPLIFT PRESSURE SHALL NOT BE LESS THAN 16 PSF.

COMPONENTS & CLADDING PRESSURES



ASCE Hazards Report

Address: 19100 Northwest Ridge Ln
Tomball, Texas 77377

Standard: ASCE/SEI 7-22

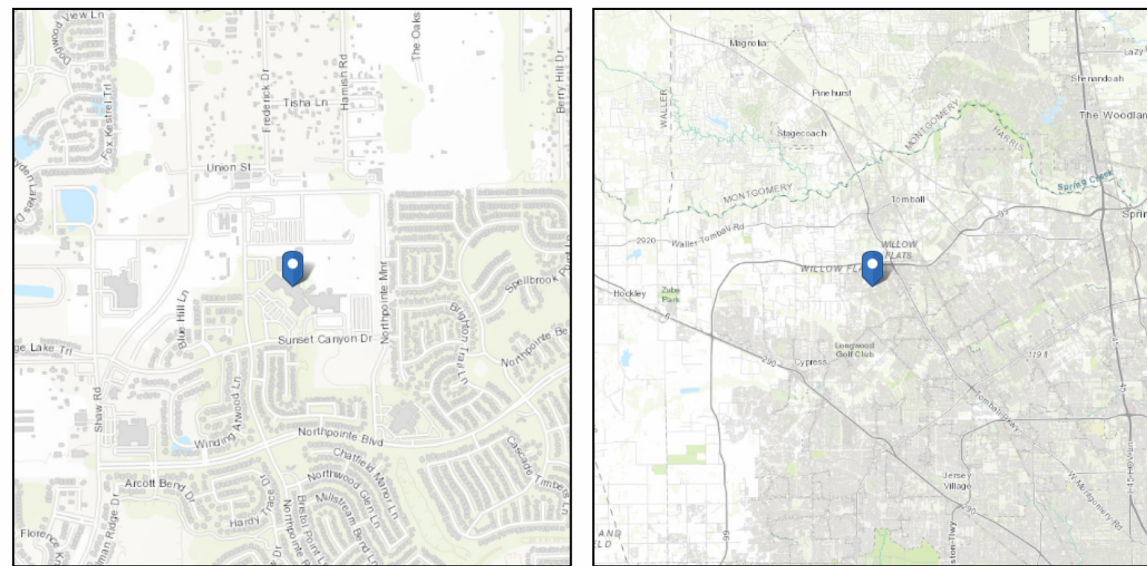
Risk Category: II

Soil Class: Default

Latitude: 30.034943

Longitude: -95.632575

Elevation: 165.28123848781834 ft (NAVD 88)



Wind

Results:

Wind Speed	124 Vmph
10-year MRI	75 Vmph
25-year MRI	86 Vmph
50-year MRI	97 Vmph
100-year MRI	105 Vmph
300-year MRI	117 Vmph
700-year MRI	124 Vmph
1,700-year MRI	130 Vmph
3,000-year MRI	135 Vmph
10,000-year MRI	144 Vmph
100,000-year MRI	156 Vmph
1,000,000-year MRI	169 Vmph

Data Source: ASCE/SEI 7-22, Fig. 26.5-18 and Figs. CC.2-1-CC.2-4, and Section 26.5.2

Date Accessed: Fri Jun 12 2026

<https://ascehazardstool.org/>

Page 1 of 3

Fri Jun 12 2026

ABBREVIATIONS

ABBR.	ABBREVIATION
A.F.F.	ABOVE FINISH FLOOR
ADDNL.	ADDITIONAL
AHU	AIR HANDLING UNIT
ALT.	ALTERNATE
ANCH.	ANCHOR
A.B.	ANCHOR BOLT
A.R.	ANCHOR ROD
APPROX.	APPROXIMATELY
ARCH.	ARCHITECT(URAL)
BM.	BEAM
BRG.	BEARING
BTW.	BETWEEN
BOT.	BOTTOM
B.F.B.	BOTTOM FLANGE BRACE
B.O.	BOTTOM OF
BRDG.	BRIDGING
BLDG.	BUILDING
C.	CAMBER
CANT.	CANTILEVER
C.I.P.	CAST IN PLACE
C/C	CENTER TO CENTER
CL.	CENTERLINE
CH.	CHANNEL
CLR.	CLEAR(ANCE)
CFMF.	COLD FORMED METAL FRAMING
COL.	COLUMN
CJP.	COMPLETE JOINT PENETRATION
CONC.	CONCRETE
CMU.	CONCRETE MASONRY UNIT
CONN.	CONNECTION
CONST.	CONSTRUCTION
C.J.	CONSTRUCTION / CONTRACTION JOINT
CONT.	CONTINUOUS
COORD.	COORDINATE
DL.	DEAD LOAD
DBA.	DEFORM BAR ANCHOR
D.	DEPTH
DET.	DETAIL
DIA. or Ø	DIAMETER
DIM.	DIMENSION
DWL.	DOWEL
D.N.	DOWN
DWG.	DRAWING
EA.	EACH
E.F.	EACH FACE
E.W.	EACH WAY
EL.	ELEVATION
ELEV.	ELEVATOR
EMBED.	EMBEDMENT
ENGR.	ENGINEER
EOR.	ENGINEER OF RECORD
EQ.	EQUAL
EQUIP.	EQUIPMENT
EQUIV.	EQUIVALENT
EXIST.	EXISTING
E.J.	EXPANSION JOINT
EXT.	EXTERIOR
f _{cr}	28 DAY CONCRETE STRENGTH
FAB.	FABRICATE
F.S.	FAR SIDE
FIN.	FINISH/FINISHED
FLR.	FLOOR
F.D.	FLOOR DRAIN
FTG.	FOOTING
F _y	YIELD STRENGTH
GALV.	GALVANIZED
GA.	GAUGE
GEN.	GENERAL
G.C.	GENERAL CONTRACTOR
GFR.	GLASS FIBER REINFORCED CONCRETE
GR.	GRADE/GRADING
HGR.	HANGER
HSA.	HEADED STUD ANCHOR
HI.	HIGH
HSS.	HOLLOW STRUCTURAL SECTION
HORIZ. OR (H)	HORIZONTAL
H.	HORIZONTAL REACTION
IN.	INCH
INFO.	INFORMATION
ID.	INSIDE DIAMETER
I.F.	INSIDE FACE
INT.	INTERIOR
JT.	JOINT
JST.	JOIST
K	KIPS (1000 LBS)
KSF	KIPS PER SQUARE FOOT
KSI	KIPS PER SQUARE INCH
L	ANGLE
Ld	DEVELOPMENT LENGTH
LWC.	LIGHTWEIGHT CONCRETE
LL	LIVE LOAD
LLBB	LONG LEG BACK TO BACK
LLV	LONG LEG VERTICAL
LLH	LONG LGE HORIZONTAL
LSH	LONG SIDE HORIZONTAL
LSV	LONG SIDE VERTICAL
LONG	LONGITUDINAL
LO	LOW
LBS	POUNDS
MFR. / MNFR.	MANUFACTURER
MAS.	MASONRY
MAX.	MAXIMUM

MECH.	MECHANICAL
MEP.	MECHANICAL, ELECTRICAL, PLUMBING
MTL.	METAL
MIN.	MINIMUM
MISC.	MISCELLANEOUS
M.	MOMENT
M.C.	MOMENT CONNECTION
N.S.	NEAR SIDE
NWC.	NORMAL WEIGHT CONCRETE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
NO.	NUMBER
O.C.	ON CENTER(S)
OPNG.	OPENING
OPP.	OPPOSITE
OPH.	OPPOSITE HAND
OD.	OUTSIDE DIAMETER
O.F.	OUTSIDE FACE
OA.	OVERALL
O.H.	OVERHEAD
OVS.	OVERSIZED HOLE
P.	AXIAL LOAD
P.J.	PANEL JOINT
PAR.	PARALLEL
PRKG.	PARKING
PJP.	PARTIAL JOINT PENETRATION
PVMT.	PAVEMENT
PVG.	PAVING
PERP.	PERPENDICULAR
PL.	PLATE
PLBG.	PLUMBING
PT.	POST-TENSION(ED)
PCF.	POUNDS PER CUBIC FOOT/FEET
PLF.	POUNDS PER LINEAR FOOT
PSF.	POUNDS PER SQUARE FOOT/FEET
PSI.	POUNDS PER SQUARE INCH
P/C.	PRECAST CONCRETE
PRELIM.	PRELIMINARY
P.L.	PROPERTY LINE
QTY.	QUANTITY
R.	RADIUS, REACTION, REMAINDER
REC.	RECESSED
RE.	REFER TO
REF.	REFERENCE
REINF.	REINFORCED / REINFORCING
REBAR.	REINFORCING BAR
RECD.	REQUIRED
REV.	REVISION
R.D.	ROOF DRAIN
RTU.	ROOF TOP UNIT
SCHED.	SCHEDULE
SECT.	SECTION
SHT.	SHEET
SLBB.	SHORT LEG BACK TO BACK
SIM.	SIMILAR
SC.	SLIP CRITICAL, SHEAR CONNECTOR
SPA.	SPACING
SPEC.	SPECIFICATION
SQ.	SQUARE
SF.	SQUARE FOOT/FEET
STD.	STANDARD
STL.	STEEL
STIFF.	STIFFENER
STR.	STIRRUP
STRUCT.	STRUCTURE/STRUCTURAL
TEMP.	TEMPERED
THK.	THICKNESS
L	THICKNESS, TREAD
THD.	THREADED
T.O.	TOP OF
T.O.C.	TOP OF CONCRETE
T.O.M.	TOP OF MASONRY
T.O.P.	TOP OF PARAPET
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
TYP.	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
VERT. OR (V)	VERTICAL
WT.	WEIGHT
WWR.	WELD WIRE REINF.
WF.	WIDE FLANGE
W.	WIDTH
WL.	WIND LOAD
W.P.	WORK POINT
XXS.	DOUBLE EXTRA STRONG
XS.	EXTRA STRONG
&	AND
≈	APPROXIMATELY EQUAL
@	AT
°	DEGREE
=	EQUAL
≥	GREATER THAN or EQUAL
≤	LESS THAN or EQUAL
#	NUMBER or POUNDS
/	PER
±	PLUS or MINUS
Ø	ROUND/DIAMETER

SYMBOLS LEGEND

SYMBOLS	DESCRIPTION
	NORTH ARROW
	ENLARGE FLOOR PLAN REFERENCE OR ENLARGE DETAIL REFERENCE
	DETAIL SECTION (STRUCTURAL)
	BRACING ELEVATION
	DIMENSIONS
	MATCHLINE
	REVISION NUMBER & AFFECTED AREA
	VERTICAL ELEVATION
	EXISTING ELEVATION
	NEW ELEVATION
	M.C. OR MOMENT CONNECTION
	DEPRESSION
	PANEL WALL TAG
	BELLED PIER
	PILE SHAFT
	FOOTING



ARCHITECT

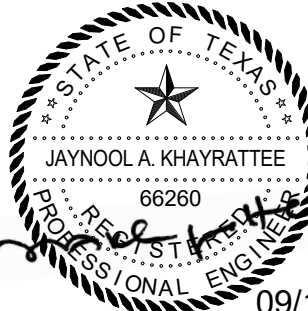
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STRUCTURAL ENGINEER

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Issued For Bid

Matrix Structural Engineers
TSP# Firm Registration No. F-2840



ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No. Revision Date

Project Director:

Project Architect:

Project Designer:

Drawn By: Author

PROJECT NO.

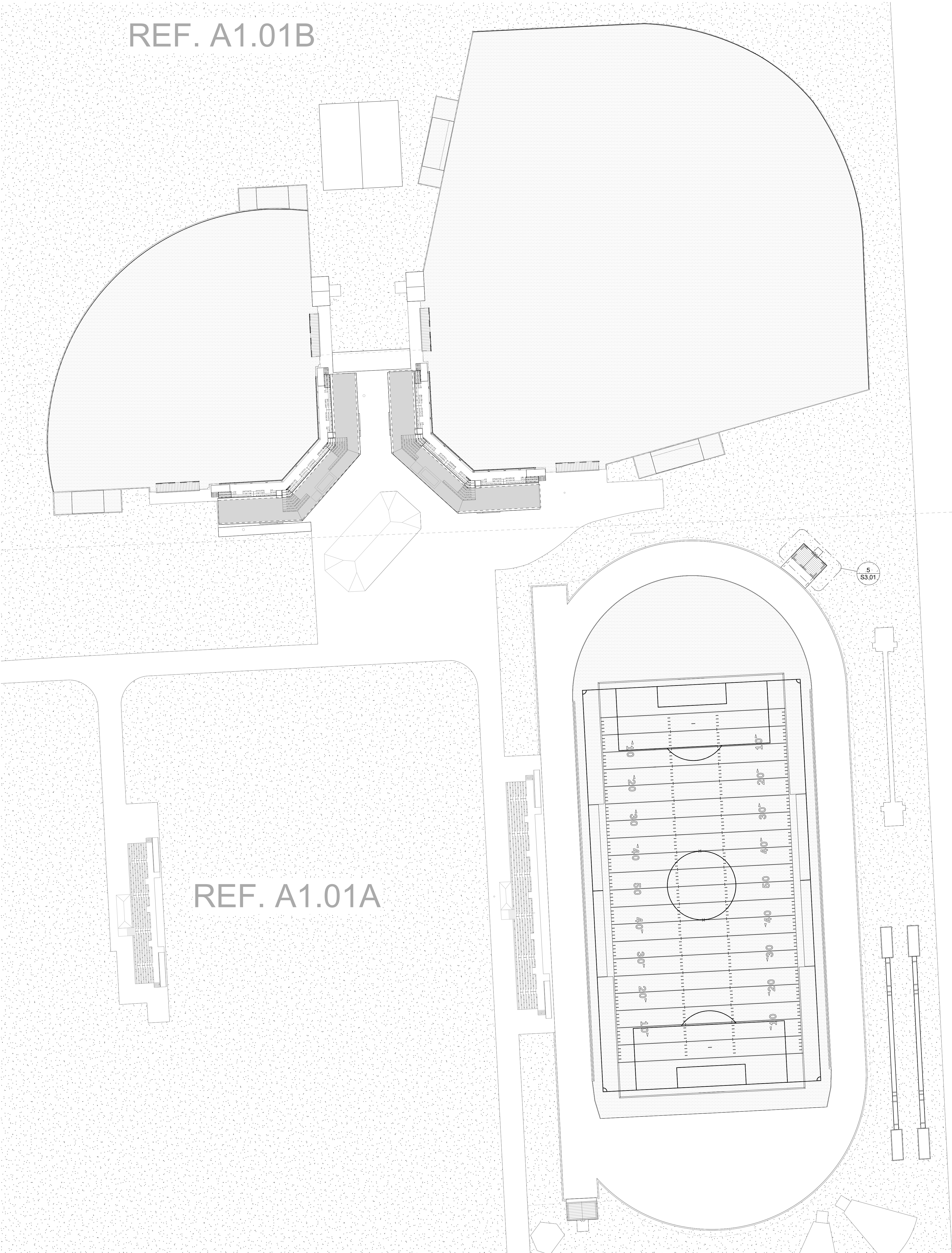
25-0158.00

SHEET TITLE

CONT. GENERAL NOTES,
ABBREVIATIONS AND
SYMBOLS

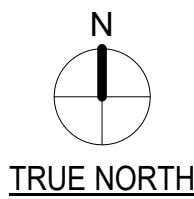
SHEET NO.

S1.02



REF. A1.01B

REF. A1.01A



1 TOMBALL MEMORIAL HS - SITE PLAN
SCALE: 1" = 40'-0"



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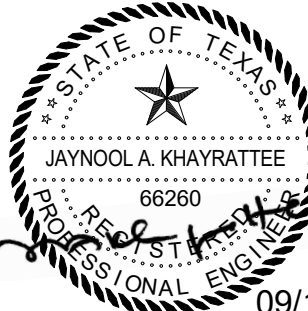
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TOMBALL ISD
TOMBALL, TEXAS

Issued For Bid

Matrix Structural Engineers
TSPS Firm Registration No. F-2340



ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No.	Revision Date
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Project Director:

Project Architect:

Project Designer:

Drawn By:	Author
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PROJECT NO.

25-0158.00

SHEET TITLE

TOMBALL MEMORIAL HS -
SITE PLAN

SHEET NO.

S2.01

Tomball Athletic Improvements



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TOMBALL ISD
TOMBALL, TEXAS

Issued For Bid

Matrix Structural Engineers
Texas Firm Registration No. F-2840



ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No. Revision Date

Project Director:

Project Architect:

Project Designer:

Drawn By: Author

PROJECT NO.

25-0158.00

SHEET TITLE

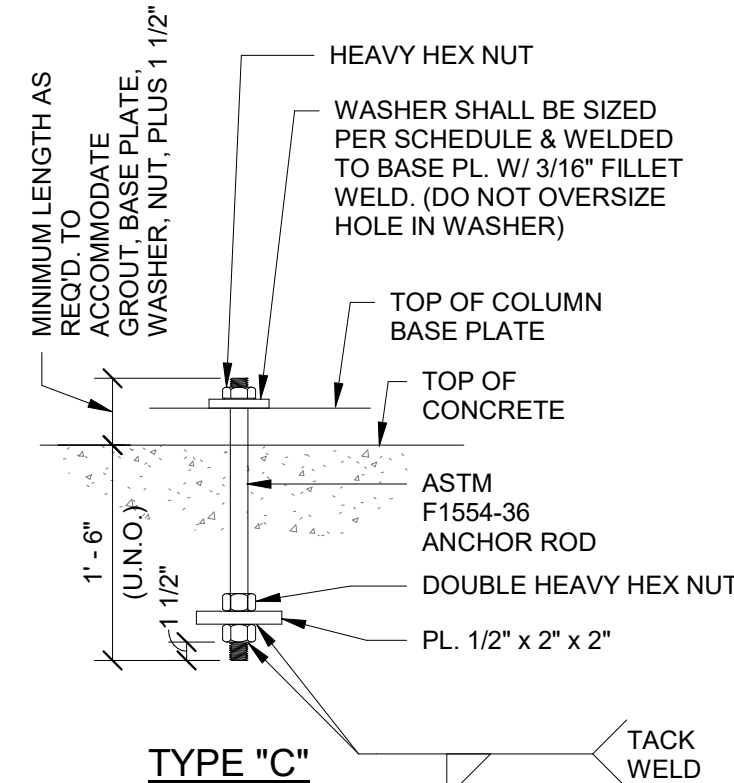
STORAGE BUILDING PLANS

SHEET NO.

S3.01

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Tomball Athletic Improvements



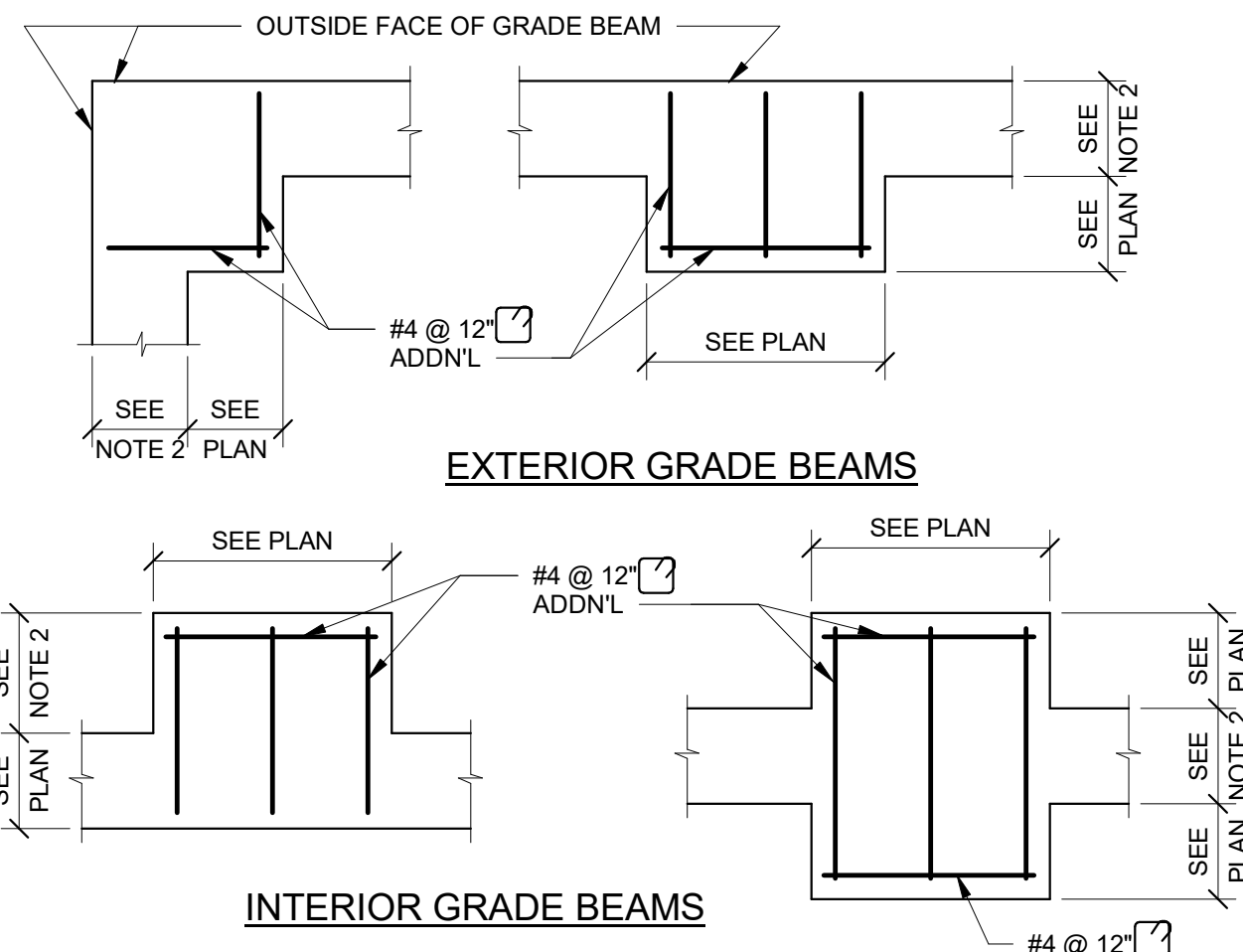
TYPE "B" WASHER SCHEDULE		
ANCHOR ROD DIA.	WASHER SIZE*	MIN. WASHER THICKNESS
3/4"	2"	1/4"
7/8"	2 1/2"	5/16"
1"	3"	3/8"
1 1/4"	3 1/2"	1/2"
1 1/2"	4"	1/2"
1 3/4"	4 1/2"	5/8"
2"	5"	3/4"
2 1/2"	5 1/2"	7/8"

NOTE:
USE TYPE "B" ANCHOR BOLTS AT COLUMNS WITH DIAGONAL BRACES, MOMENT CONNECTIONS, & AT CANOPY COLUMNS

*CIRCULAR OR SQUARE WASHERS MEETING WASHER SIZE ARE ACCEPTABLE

TYPICAL DETAIL ANCHOR BOLT

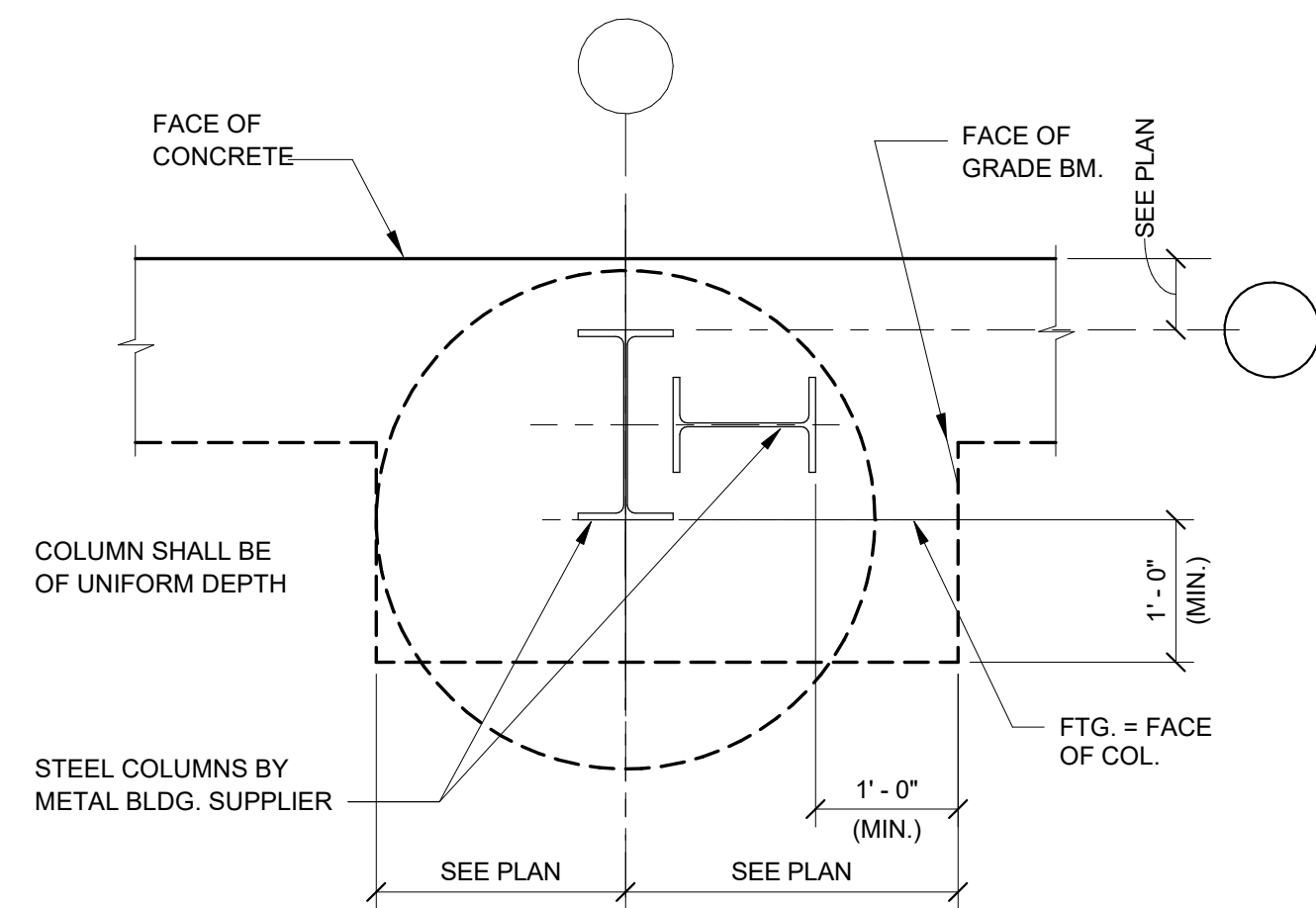
SCALE: N.T.S.



NOTES:
1. PLAN VIEWS FOR TYPICAL WIDENED GRADE BEAMS ARE SHOWN. FOR SIMILAR CONDITION NOT SHOWN, PROVIDE #4 @ 12" O.C. MAX. IN WIDENED SECTION.
2. SEE DETAIL SHEETS FOR GRADE BEAM WIDTH.

TYPICAL DETAIL
ADDITIONAL BARS AT WIDENED GRADE BEAM
(PLAN VIEW)

SCALE: N.T.S.

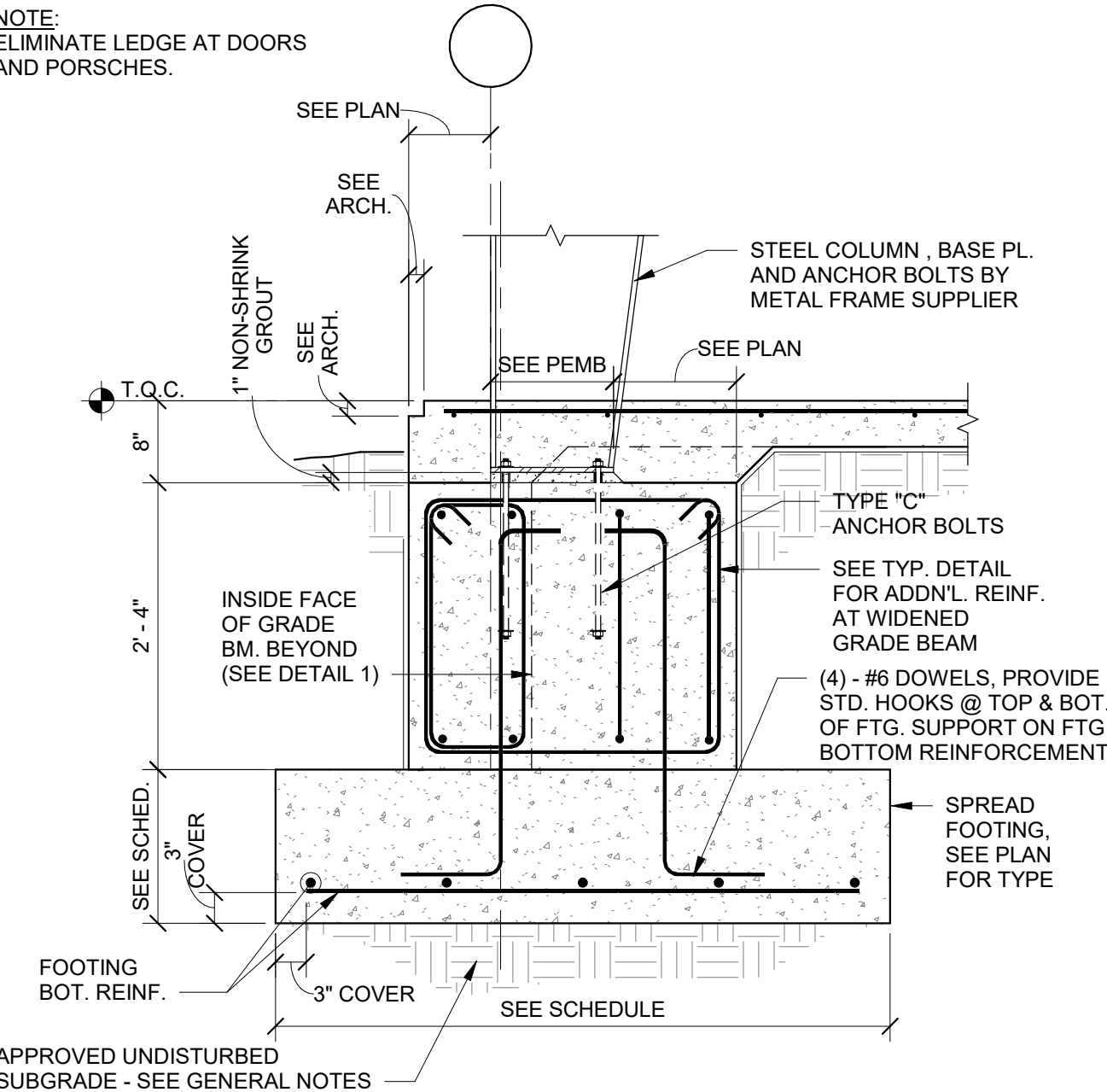


NOTE:
1. LOCATIONS OF PORTAL FRAMES ARE UNKNOWN UNTIL PEMB SHOP DRAWINGS ARE RECEIVED. S.C. TO COORDINATE LOCATIONS AND ADJUST PLINTH SIZES ACCORDINGLY

TYPICAL DETAIL
PLAN AT PORTAL FRAME

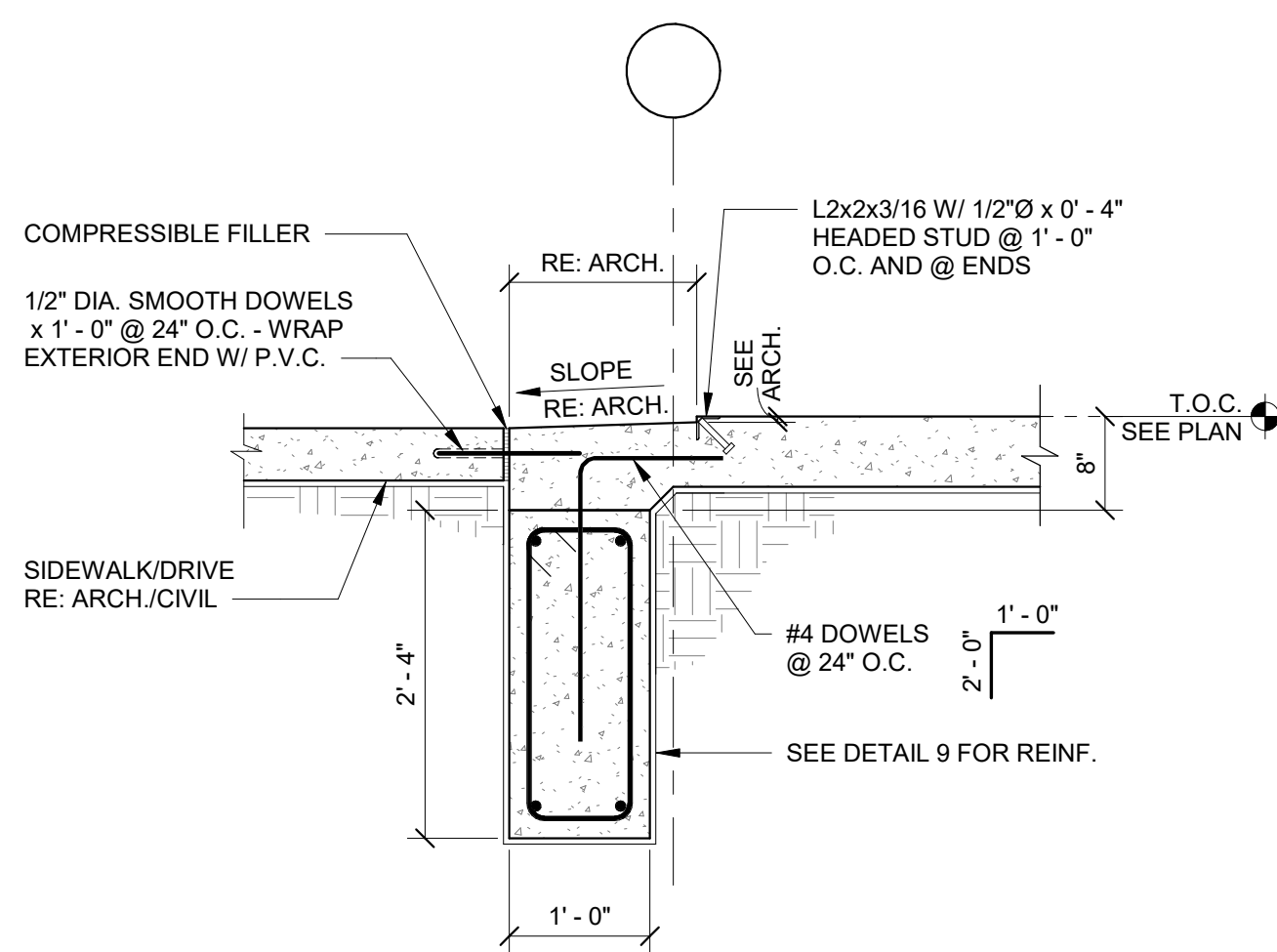
SCALE: 3/4" = 1'-0"

NOTE:
ELIMINATE LEDGE AT DOORS AND PORCHES.



TYPICAL DETAIL
WIDENED GRADE BEAM AT EXTERIOR
PRE-ENGINEERED METAL BUILDING COLUMN

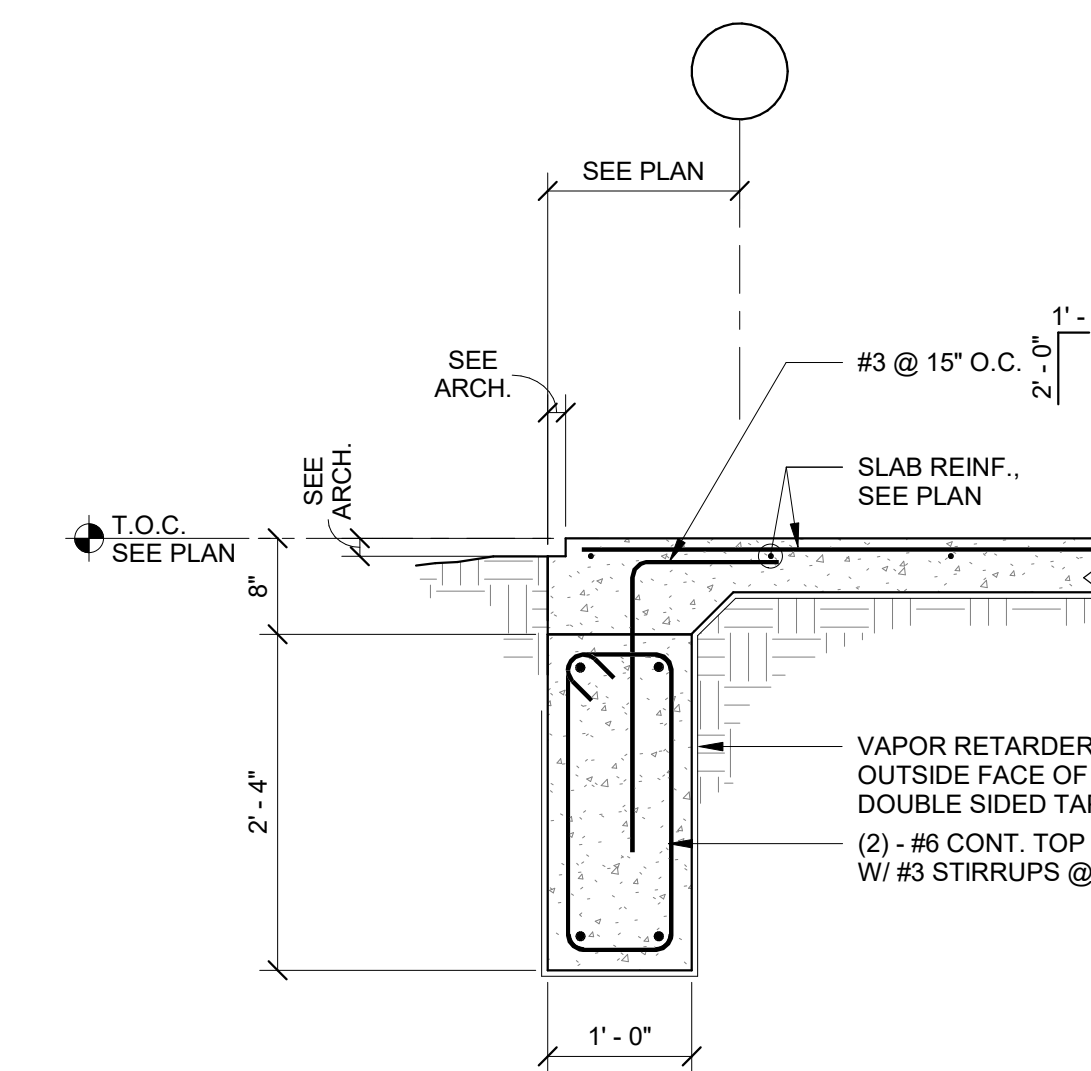
SCALE: 3/4" = 1'-0"



TYPICAL DETAIL
EXTERIOR GRADE BEAM AT OVERHEAD DOOR

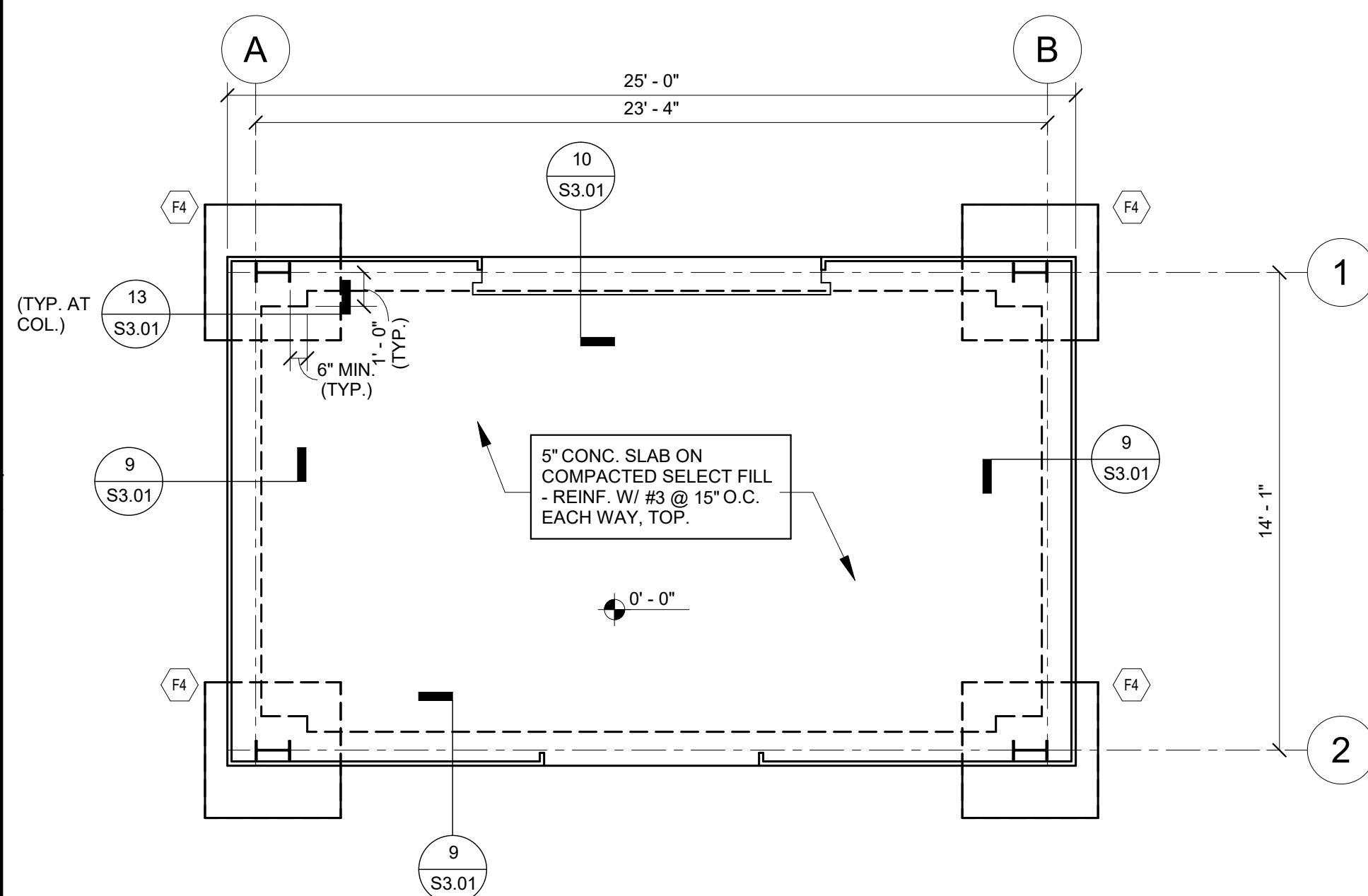
SCALE: 3/4" = 1'-0"

NOTE:
ELIMINATE LEDGE AT DOORS.



TYPICAL DETAIL
EXTERIOR GRADE BEAM

SCALE: 3/4" = 1'-0"



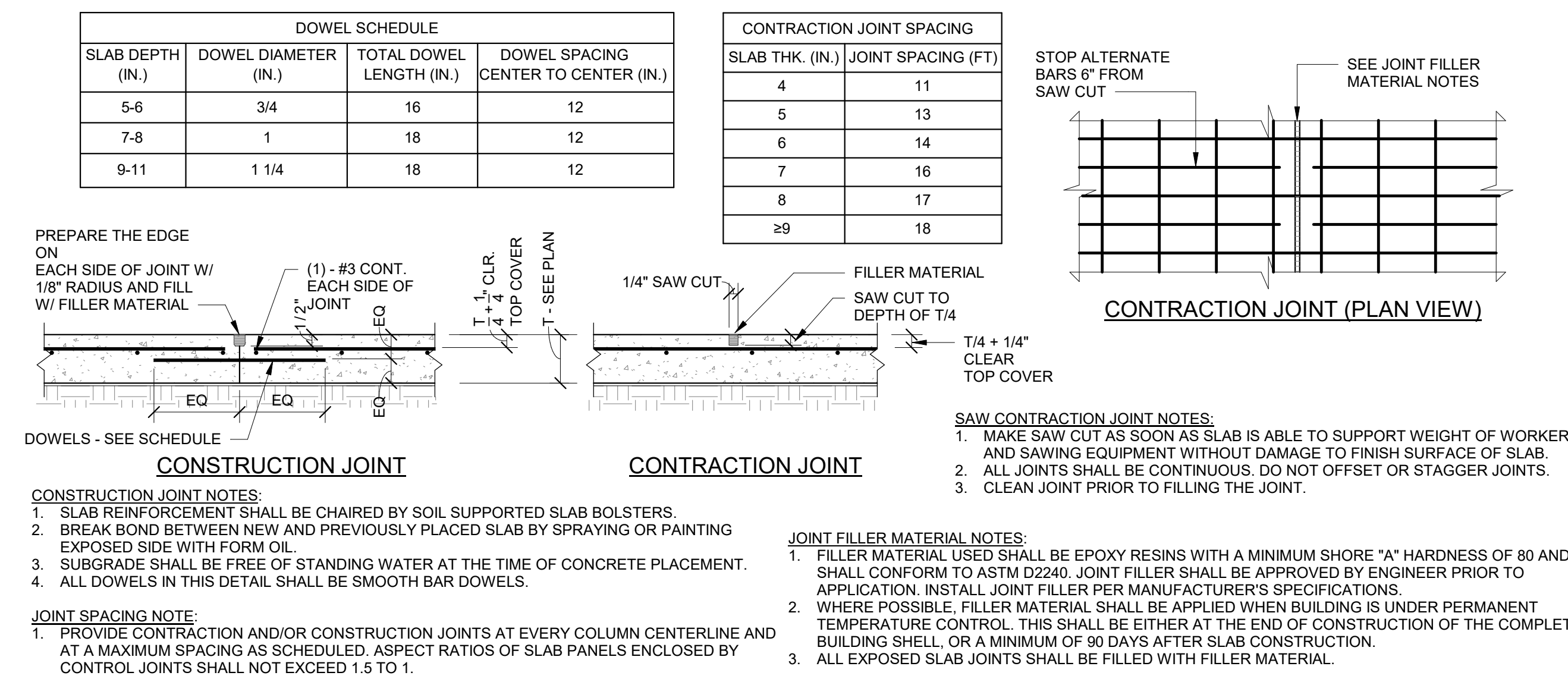
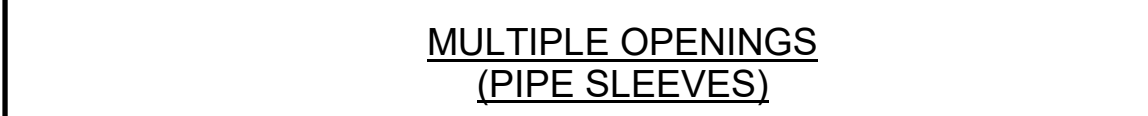
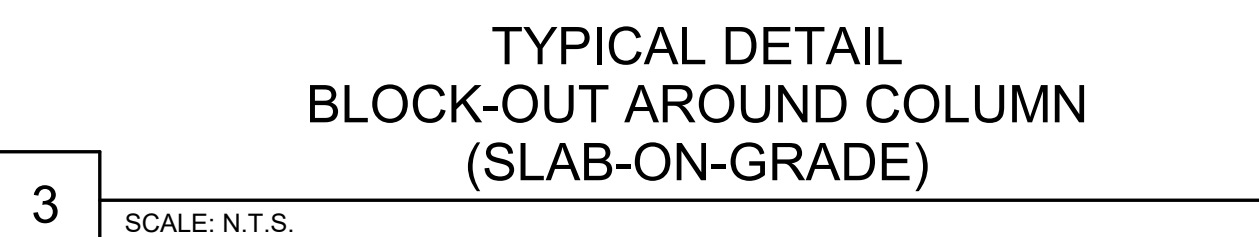
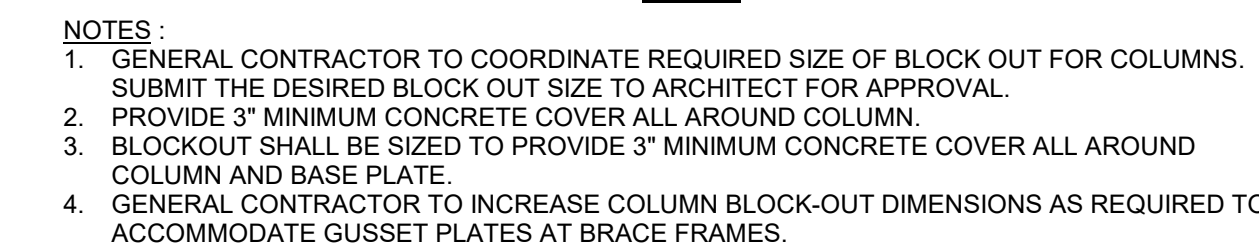
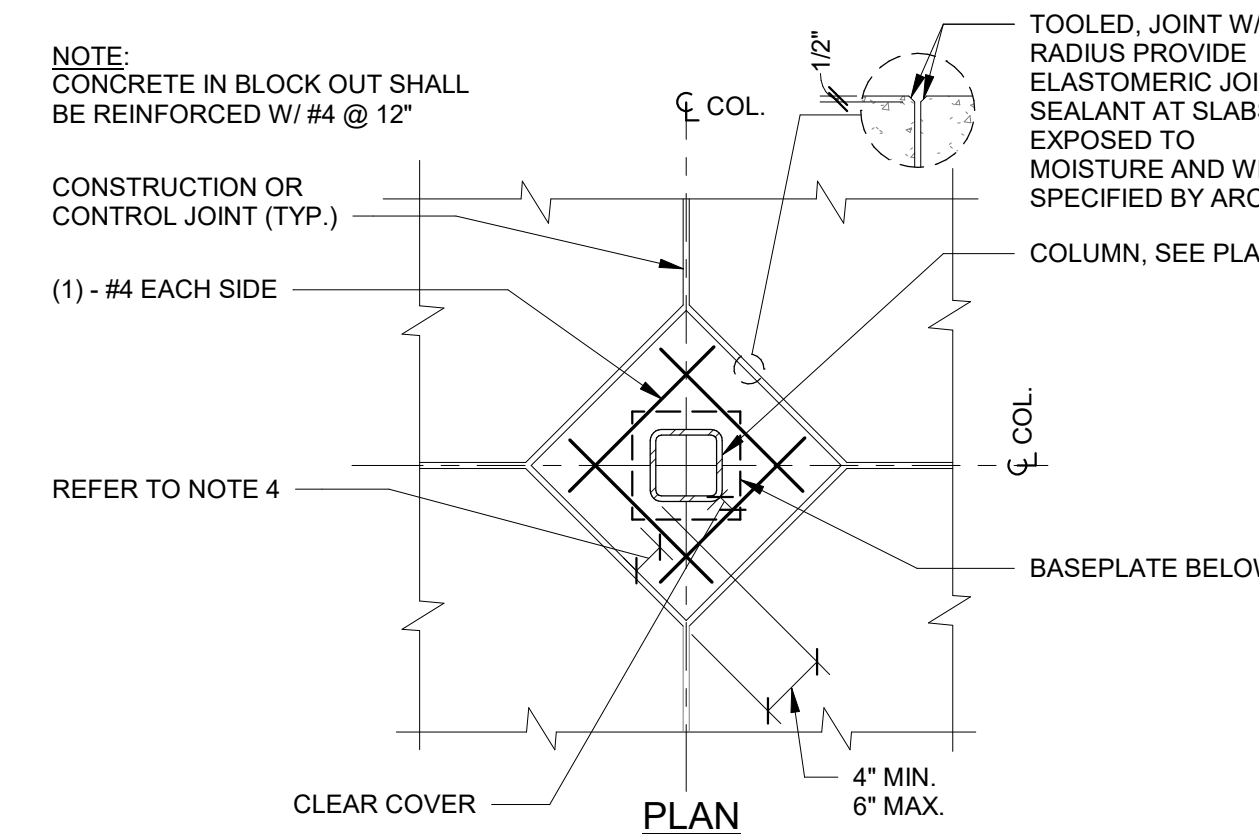
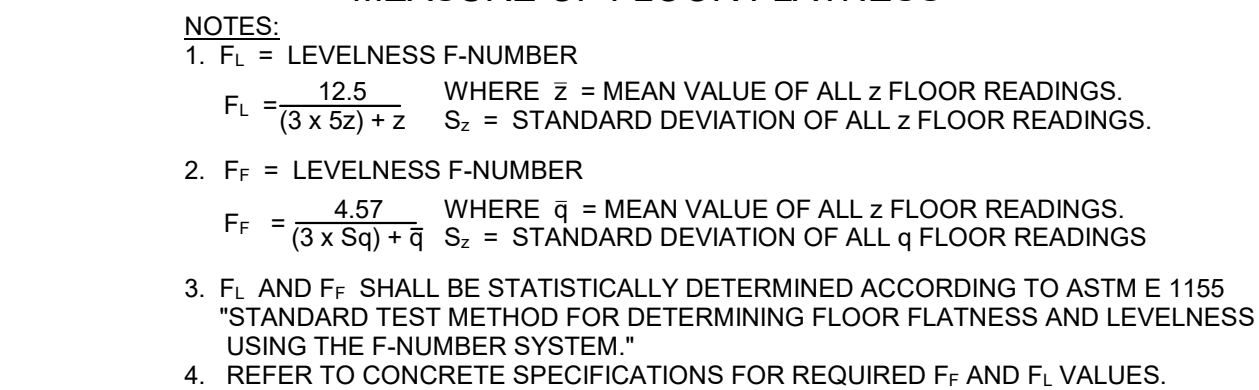
FOOTING SCHEDULE							
Mark	Length	Width	Thickness	Reinforcement Bottom (Short way)	Reinforcement Bottom (Long way)	Reinforcement Top (Short way)	Reinforcement Top (Long way)
F4	4' - 0"	4' - 0"	1' - 0"	(4)#5	(4)#5		

TOMBALL MEMORIAL HS STORAGE BUILDING - FOUNDATION
PLAN

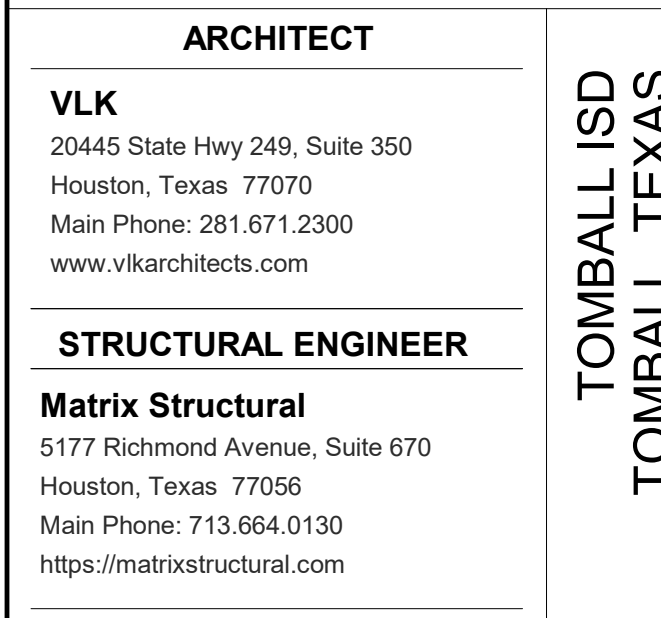
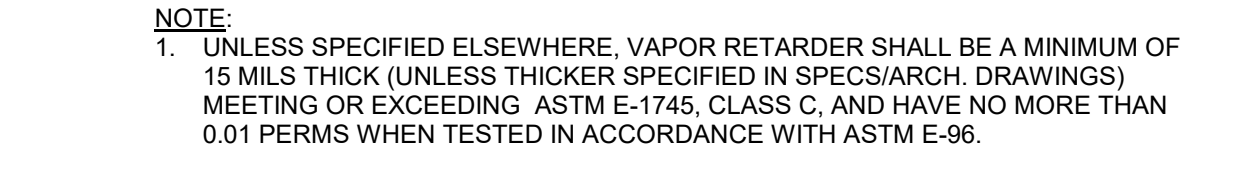
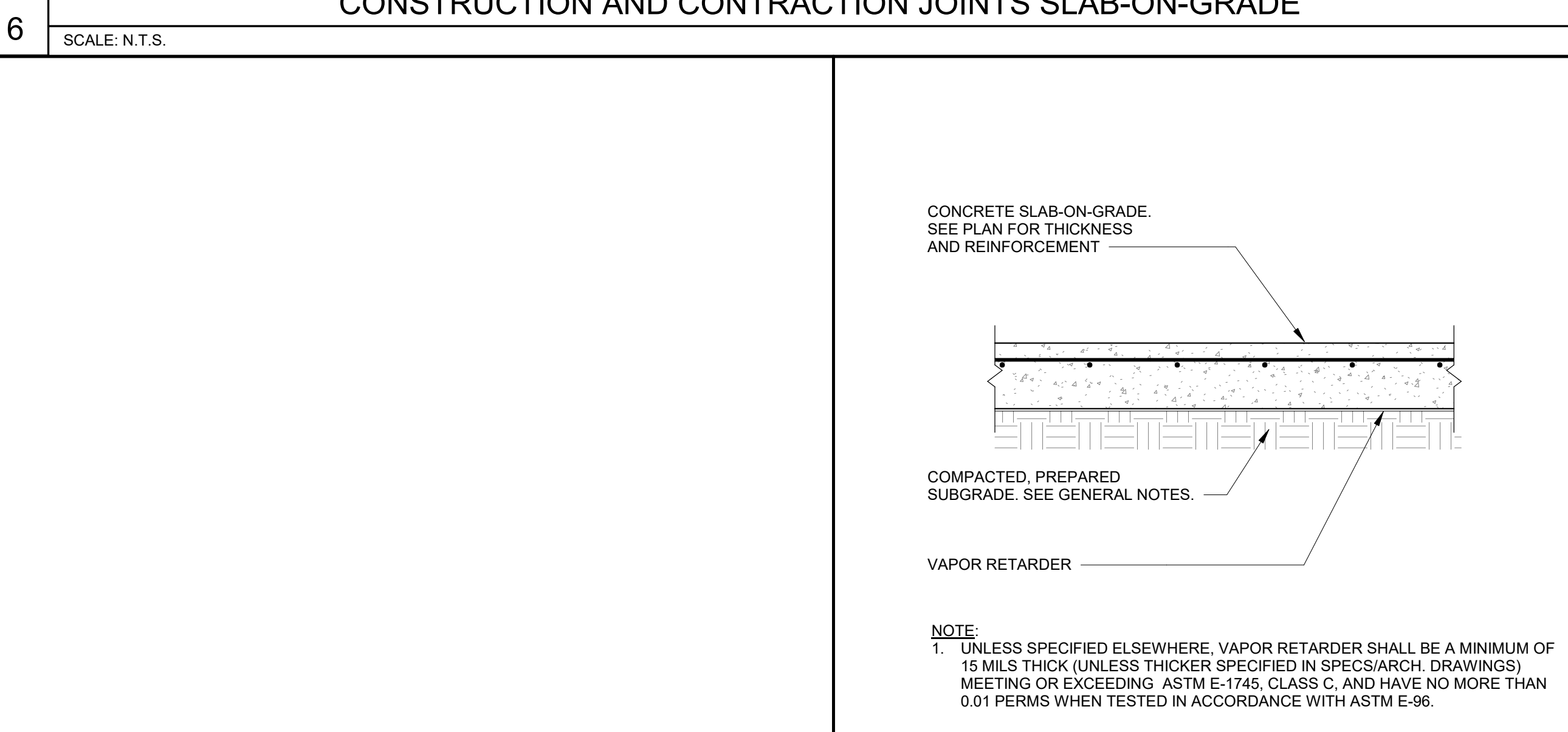
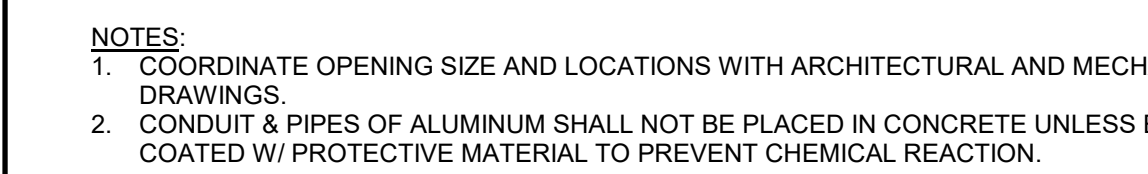
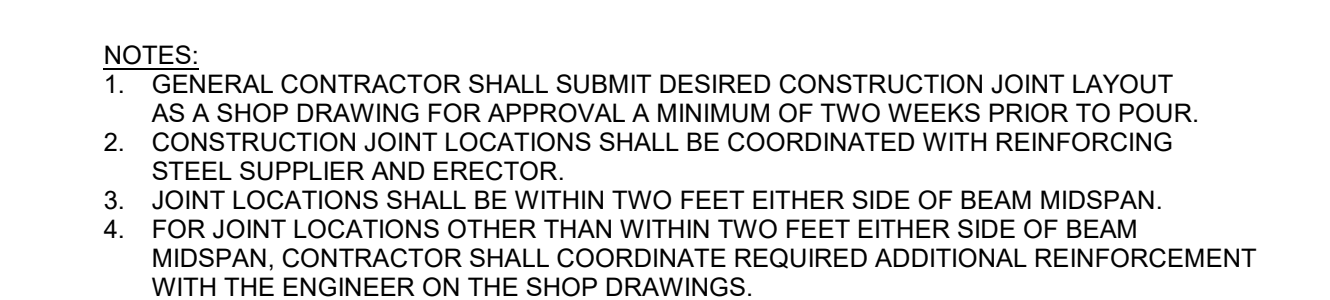
SCALE: 1/4" = 1'-0"

PEMB FOUNDATION PLAN NOTES:

- ALL SPREADFOOTINGS ARE CENTERED UNDER COLUMN CENTERLINES, U.N.O.
- SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF ALL FLOOR SLOPES, DEPRESSIONS, ETC.
- COORDINATE ALL BRICK LEDGES AND DEPTH WITH ARCHITECTURAL DRAWINGS.
- LOCATIONS NOTED THUS: 0'-0" INDICATES TOP OF SLAB ELEVATION.
- SEE PEMB FOR BASE PLATE INFORMATION.
- REFER TO PEMB FOR SIZE, LOCATION AND ORIENTATION OF ALL COLUMNS, ANCHOR BOLTS. NOTIFY ARCH. OF ANY DISCREPANCIES BETWEEN PLANS FOR RESOLUTION PRIOR TO FABRICATION AND INSTALLATION.
- PROVIDE CONTRACTION JOINTS AND DISCONTINUOUS SLAB REINFORCING AS SHOWN IN DETAIL 6/S3.02.
- REFER TO MEP FOR SLOPE - INVERT ELEVATION (I.E.) AT DRAINS.
- TYPICAL SLOPE AT FLOOR IS 1/8" PER FOOT, U.N.O. ON ARCH.
- PROVIDE (2)#4x4'-0" TOP & BOT. AT ALL RE-ENTRANT CORNERS AT SLAB ON GRADE. TOP REINFORCING SHALL BE PLACED AT 1 1/4" CLEAR FROM THE TOP OF THE SLAB.
- ALL COLUMN LOCATIONS SHOWN AND ASSOCIATED FOUNDATIONS ARE PLACEHOLDERS IN THE ABSENCE OF A COMPLETE METAL BUILDING DESIGN SUBMITTAL. SEE GENERAL NOTES FOR SUBMITTAL REQUIREMENTS.



17	SCALE: N.T.S.
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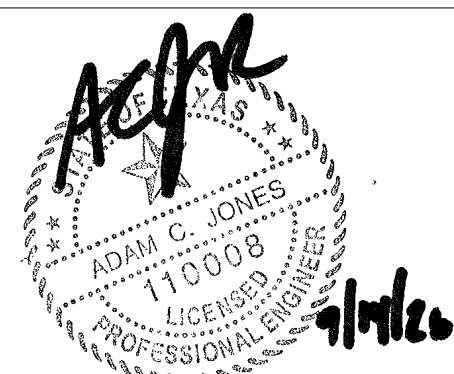
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TOMBALL ISD
TOMBALL, TEXAS

Issued for Bid



ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No. Revision Date

Project Director:

Project Architect:

Project Designer:

Drawn By: DBR

PROJECT NO.

25-0158.00

SHEET TITLE

ELECTRICAL SYMBOL
LEGEND

SHEET NO.

E0.01

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Tomball Athletic Improvements

ABBREVIATIONS	ELECTRICAL SYMBOLS		GENERAL NOTES: A. NOT ALL SYMBOLS SHOWN ON THIS SYMBOL LIST ARE USED IN THE CONTRACT DOCUMENTS.	
AC ALTERNATING CURRENT AF AMPERE FUSE, AMPERE FRAME AFF ABOVE FINISHED CEILING AFG ABOVE FINISHED GRADE AIC AMPERE INTERRUPT CAPACITY AL ALUMINUM AM AMMETER AMP AMPLIFIER ANN ANNUNCIATOR ASC AMPERES SHORT CIRCUIT AT AMPERE TRIP RATING ATS AUTOMATIC TRANSFER SWITCH AUX AUXILIARY BKR BREAKER BLDG BUILDING C CONDUIT, CELSIUS CIT CIRCUIT CLG CEILING CONT. CONTINUOUS CONTINUATION CONTR CONTROLLER, CONTRACTOR CT CURRENT TRANSFORMER/COOLING TOWER CU COPPER DAS DISTRIBUTED ANTENNA SYSTEM DC DIRECT CURRENT DISC DISCONNECT DP DISTRIBUTION PANEL DPDT DOUBLE-POLE, DOUBLE-THROW DPST DOUBLE-POLE, SINGLE-THROW DWG DRAWING ELEV ELEVATOR EPO EMERGENCY POWER OFF ERD EMERGENCY RESPONDER RADIO COVERAGE SYSTEM FA FIRE ALARM FF FURNITURE FEED FLA FULL LOAD AMPS FTL FEED-THRU LUGS GA GAUGE GEN GENERATOR GND GROUND GTD GENERATOR TRANSFER DEVICE IS ISOLATED GROUND LF LINEAR FEET LTG LIGHTING LV LOW VOLTAGE LVL LEVEL MAX MAXIMUM MC METAL CLAD CABLE MCA MINIMUM CIRCUIT AMPS MCB MAIN CIRCUIT BREAKER MCCB MOLDED CASE CIRCUIT BREAKER MD MOTORIZED DAMPER MDP MAIN DISTRIBUTION PANEL MFR MANUFACTURER MIC MICROPHONE MIN MINIMUM MLO MAIN LUGS ONLY MOCP MAXIMUM OVER-CURRENT PROTECTION MSB MAIN SWITCHBOARD NBR NEMA 3R N4X NEMA 4X NCC NORMALLY CLOSED N.E.C. NATIONAL ELECTRICAL CODE NF NON-FUSED NFS NON-FUSED SWITCH NIC NOT IN CONTACT NL NIGHT LIGHT N.O. NORMALLY OPEN NO NUMBER NTS NOT TO SCALE PH PHASE POS POINT OF SALE QTY QUANTITY RCP REFLECTED CEILING PLAN RCPIT RECEPTACLE RE REFERENCE, REFER SF SQUARE FOOT SIM SIMILAR SKVA STARTING KILOVOLT-AMPS SPD SURGE PROTECTION DEVICE SPST SINGLE-POLE, DOUBLE-THROW SPST SINGLE-POLE, SINGLE-THROW SPEC SPECIFICATION SQFT SQUARE FOOT ST SHUNT TRIP SWB SWITCHBOARD TL TWIST-LOCK TOC TOP OF CURB TOS TOP OF STEEL TR TAMPER RESISTANT RECEPTACLE TV TELEVISION TYP TYPICAL UG UNDERGROUND UNO UNLESS NOTED OTHERWISE UPS UNINTERRUPTIBLE POWER SYSTEM VFD VARIABLE FREQUENCY DRIVE WP WEATHERPROOF WT WEIGHT WSF WATTS PER SQUARE FOOT XFMR TRANSFORMER MANY ABBREVIATIONS NOT LISTED MAY BE FOUND IN THE NATIONAL ELECTRIC CODE, OR IN THE INTERNATIONAL AND UNIFORM CODES	MOTORS AND CONTROLS MOTOR RATED SWITCH WITH THERMAL OVERLOADS SINGLE OR THREE PHASE MOTOR NUMBER INDICATES HORSE POWER ELECTRIC DUCT HEATER DISCONNECT (SAFETY) SWITCH "200/3150" DENOTES AMPERES/POLE/FUSE, "N" DENOTES NON-FUSED "N" DENOTES NEMA 3R ENCLOSED CIRCUIT BREAKER- "200/3150" DENOTES AMPERES/POLE/TRIP MOTOR STARTER FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26 COMBINATION DISCONNECT (SAFETY) SWITCH AND MOTOR STARTER "200/3150" DENOTES AMPERES/POLES/FUSE, STARTER SIZE, "N" DENOTES NON-FUSED, FURNISHED BY DIVISION 23 AND INSTALLED BY DIVISION 26 VARIABLE FREQUENCY DRIVE PROVIDED BY DIVISION 23 AND INSTALLED BY DIVISION 26 EMERGENCY POWER OFF BUTTON		RACEWAYS AND WIRING CAP AND STAKE CONDUIT CONCEALED IN WALL OR CEILING UNDERGROUND, UNDERSLAB, CONCEALED ROUTING OVERHEAD ELECTRIC PRIMARY UTILITY POWER LINE CONDUIT UP/DOWN HASH MARKS INDICATE NUMBER OF CONDUCTORS. LEFT TO RIGHT: PHASE/NEUTRAL/GROUND/ISOLATED GROUND. NO HASH MARKS INDICATES EMPTY CONDUIT, 1" MINIMUM, UNLESS NOTED OTHERWISE. HOMERUN TO PANEL WITH CIRCUIT NUMBER(S) AS INDICATED PARTIAL/SHARED CIRCUIT HOMERUN TO PANEL TELECOMMUNICATIONS CABLE TRAY SHALL BE CONCEALED ABOVE ACCESSIBLE CEILING UNLESS OTHERWISE NOTED	
	RECEPTACLES AND OUTLETS ALL RECEPTACLES SHALL BE MOUNTED 18" ABOVE FINISHED FLOOR TO CENTER OF DEVICE UNLESS NOTED OTHERWISE. REFER TO SPECIFICATIONS AND DRAWINGS FOR ADDITIONAL REQUIREMENTS. ABBREVIATIONS APPLICABLE TO RECEPTACLES: "GFC" GROUND FAULT INTERRUPTER "WP" WEATHERPROOF "IG" ISOLATED GROUND "TR" TAMPER RESISTANT "USP" RECEPTACLE WITH USB CHARGING PORTS "AC" ABOVE COUNTER MOUNTING "UC" UNDER COUNTER MOUNTING "H" HORIZONTALLY ORIENTED RECEPTACLE SIMPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V. DUPLEX WALL RECEPTACLE, NEMA 5-20R, 20A, 125V. SHADDED INDICATES SPLIT-WIRED FOURPLEX (QUAD/RUPLEX) RECEPTACLE DUPLEX RECEPTACLE (PEDESTAL MOUNTED) CONTROLLED WALL RECEPTACLE DUPLEX: SPLIT-WIRED QUAD: SEPARATELY WIRED UNDER A COMMON COVERPLATE. POWER DEVICE RED IN COLOR, ON EMERGENCY POWER CIRCUIT CEILING RECEPTACLE/QUAD, EMERGENCY POWER SYMBOL MAY APPLY SPECIAL RECEPTACLE, NEMA CONFIGURATION PER PLAN OR EQUIPMENT TV ROUGH-IN: 3-GANG RECESSED TV BOX, CONTAINING 1 DUPLEX RECEPTACLE, 1 GANG FOR AV, 1 GANG FOR DATA FLOOR BOX OR POKE THRU: POKE-THRU'S WHERE IN SUSPENDED SLABS, RECESSED IN FOUNDATION WHERE SLAB ON GRADE FLUSH ELECTRICAL FLOOR OUTLET. REFER TO FLOOR BOX SCHEDULE, FIRE RATED POKE-THROUGH SCHEDULE AND KEYED NOTES DROP CORD WITH SIMPLEX RECEPTACLE UNLESS OTHERWISE NOTED CORD REEL WITH DUPLEX RECEPTACLE UNLESS OTHERWISE NOTED JUNCTION BOX "MD" INDICATES POWER CONNECTION TO SERVE MOTOR DAMPER "HD" INDICATES POWER CONNECTION TO SERVE HAND DRYER "TV" INDICATES POWER CONNECTION TO SERVE FLUSH VALVES PULL BOX (OVER 4" SQUARE) BELL/BUZZER/CHIME PUSH BUTTON/DOOR BELL/START-STOP POWER POLE POINT OF DIRECT CONNECTION TO EQUIPMENT CLOCK RECEPTACLE SHALL BE MOUNTED 12" BELOW FINISHED CEILING. (2) DENOTES DOUBLE SIDED CLOCK.		ELECTRICAL EQUIPMENT DISTRIBUTION PANEL SWITCHBOARD, MAIN DISTRIBUTION PANEL OR MOTOR CONTROL CENTER PANELBOARD (FLUSH/SURFACE MOUNT) FLOOR MOUNTED DRY-TYPE TRANSFORMER SUSPENDED OR WALL MOUNTED TRANSFORMER AUTOMATIC TRANSFER SWITCH FIRE RATED PLYWOOD TERMINAL BOARD, TYPE AS NOTED, 4" X 8" X 3/4" UNLESS NOTED OTHERWISE	
	COMMUNICATIONS DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 18" ABOVE FINISHED FLOOR (AFF) DATA/COMM/AV ROUGH-IN: CONDUIT TO PLENUM AND BOX ONLY SCHOOL INTERCOMMUNICATION SYSTEM HANDSET DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 42" AFF VOLUME CONTROL - WALL MOUNTED INTERCOM/PA SYSTEM CALL-IN OR CALL-BACK DEVICE DEFAULT ELEVATION (UNLESS INDICATED OTHERWISE) TO CENTER OF ROUGH-IN: 120" AFF OR 12" BELOW CEILING, WHICHEVER IS LOWER INTERCOM/PA SPEAKER "L" LOCAL SOUND REINFORCEMENT CEILING MOUNTED DEVICES: INTERCOM/PA SPEAKER "VC" INDICATES VOLUME CONTROL ON SPEAKER. REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.		MISCELLANEOUS SHADED SYMBOLS INDICATE EXISTING DEVICES TO REMAIN, UNLESS OTHERWISE NOTED. INDICATES WALL-MOUNTED WHEN ATTACHED TO ANY SYMBOL. DRAWING NOTE REFERENCE AREA OF RESCUE ASSISTANCE	
			FIRE ALARM WATER FLOW SWITCH SUPERVISORY SWITCH SMOKE DETECTOR - MULTI CRITERIA DETECTOR SMOKE DETECTOR - "SB" INDICATES IN INTEGRAL SOUNDER BASE "D" INDICATES DUCT TYPE "R" INDICATES 120 VOLT RESIDENTIAL TYPE HEAT DETECTOR BEAM DETECTOR TRANSMITTER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT. BEAM DETECTOR RECEIVER, HIGH IN CEILING WALL DIRECT LINE OF SIGHT. FIRE ALARM SPEAKER STROBE / CEILING MOUNTED FIRE ALARM SPEAKER / CEILING MOUNT. MAGNETIC DOOR HOLDER AUXILIARY CONTROL RELAY FIRE FIGHTER HANDSET FIRE ALARM PULL STATION +42" AFF FIREMAN'S TELEPHONE JACK +42" AFF AUDIO VISUAL FIRE ALARM HORN STROBE +80" AFF, 1975cd U.N.O. VISUAL FIRE ALARM (STROBE) CEILING MOUNT - 1575cd U.N.O. AUDIO FIRE ALARM HORN +80" AFF FIRE ALARM CONTROL PANEL REMOTE FIRE ALARM ANNUNCIATOR PANEL REMOTE POWER SUPPLY FOR AUDIO/VISUAL FIRE ALARM DEVICES FIRE SMOKE DAMPER REMOTE LED INDICATOR LIGHT	
			SECURITY ADA AUTO DOOR OPEN BUTTON DOOR RELEASE BUTTON WALL MOUNTED CARD READER REFERENCE TECHNOLOGY/SECURITY SHEET FOR ADDITIONAL INFORMATION.	
			SWITCHES AND LIGHTING CONTROL DEVICES ALL SWITCH TYPES AND SENSORS TYPES FOUND ON "LIGHTING CONTROL DEVICE SCHEDULE" LOCATED ON ELECTRICAL SCHEDULE SHEETS SWITCH ANNOTATION AS FOLLOWS: TYPE, PER SCHEDULE NO TYPE INDICATES SINGLE POLE TOGGLE SWITCH SWITCH LEGS, PER PLAN, SHOWN HERE AS 3 (a,b,c) OCCUPANCY SENSOR ANNOTATION, AS FOLLOWS: OCCUPANCY / VACANCE SENSOR "x" INDICATES TYPE, PER SCHEDULE CEILING SENSOR WITH BRACKET INDICATES WALL / CORNER MOUNT LIGHT SENSOR ANNOTATION, AS FOLLOWS: DIGITAL PHOTOCELL DAYLIGHT HARVESTING SENSOR RELAY PANELS, CONTACTORS, TIME SWITCHES: RELAYS/CONTACTORS/TIMERS/DEVICES WHERE "XX" INDICATES: "LC" LIGHTING CONTRACTOR "LCP" LIGHTING CONTROL PANEL "TS" TIME SWITCH "TC" TIME CLOCK	
			DRAWING/DETAIL REFERENCE KEY REFER TO DRAWING/DETAIL NUMBER SHEET NUMBER	
			PANELBOARD NOMENCLATURE 5 DP C H A 1 SUB PANEL AREA VOLTAGE: H: 480Y/277V L: 208Y/120V BRANCH NONE: NORMAL E: LIFE SAFETY Q: EQUIPMENT C: CRITICAL R: LEGALLY REQUIRED X: OPTIONAL STAND-BY DISTRIBUTION PANEL (IF APPLICABLE) LEVEL	
			DAYLIGHT ZONES DAYLIGHT ZONE PRIMARY SECONDARY DAYLIGHT ZONE DAYLIGHT ZONES SHALL BE INCLUSIVE OF THE FIXTURES WITHIN THE SHADED REGION, AND SHALL BE DIMMED USING ON-BOARD OR EXTERNAL CONTROL IN ACCORDANCE WITH IECC 2021. IECC 2018 OR 2015 MAY BE REFERENCED ONLY WHERE ADOPTED BY LOCAL AHJ.	
	PHASING (E) EXISTING (TO REMAIN) (D) SHALL BE DEMOLISHED (N) PROVIDE NEW (R) RELOCATED ELEMENT		LIGHTING LETTER(S) DENOTE TYPE-SEE LIGHTING FIXTURE SCHEDULE FOR ADDITIONAL INFORMATION. 2' X 4' 2' X 2' 1' X 4' 1' X 2' 1' X 1' STRIP LIGHTING FIXTURES. ROUND DOWNLIGHT FIXTURE. SQUARE DOWNLIGHT FIXTURE. WALL MOUNTED LIGHTING FIXTURE. TRACK LIGHTING FIXTURE. MOUNTED AS SHOWN ON LIGHTING FIXTURE SCHEDULE. CEILING MOUNTED EXIT SIGN; ARROWS AS INDICATED. SHADED AREA DENOTES FACE. WALL MOUNTED EXIT SIGN; ARROWS AS INDICATED. SHADED AREA DENOTES FACE. EMERGENCY WALL MOUNTED LIGHTING FIXTURE. BATTERY OPERATED UNLESS NOTED OTHERWISE. SITE LIGHTING FIXTURE. HATCHING PATTERNS BELOW SHALL APPLY TO ALL LIGHTING FIXTURE SYMBOLS. EMERGENCY LIGHT FIXTURE WITH BATTERY PACK, PROVIDE WITH UNSWITCHED HOT FOR LOSS OF VOLTAGE AND CHARGING (SAME CIRCUIT AS NORMAL POWER LIGHTING). FIXTURES SHALL BE WIRED IN A MANNER AS TO ALLOW SWITCHING OF FIXTURES WITHOUT DISCHARGING THE EMERGENCY BATTERY. BATTERY PACK IS TO ONLY OPERATE IN THE EVENT OF A POWER OUTAGE. "NL" NIGHT LIGHT ON UNSWITCHED 24HR OPERATION LIGHT FIXTURE ON LIFE SAFETY BRANCH CIRCUIT, GENERATOR TRANSFER DEVICES REQUIRED (UL1008 OR UL324) PROVIDE UNSWITCHED HOT, NEUTRAL AND GROUND FOR ALL LIFE SAFETY LIGHTING ORIGINATING FROM THE LIFE SAFETY CIRCUIT SHOWN. CRITICAL OPERATIONS LIGHTING ORIGINATING FROM THE CRITICAL CIRCUIT INDICATED, HATCHED AS INDICATED. HATCHING TYPICAL FOR ALL CRITICAL BRANCH LIGHT FIXTURES	

Sheet Number	Sheet Name
E0.01	ELECTRICAL SYMBOL LEGEND
E0.11	ELECTRICAL GENERAL NOTES
E3.01A	ELECTRICAL ENLARGED PLANS - CREEKSIDE PARK JHS
E3.01B	ELECTRICAL ENLARGED PLANS - GRAND LAKES JHS
E3.01C	ELECTRICAL ENLARGED PLANS - TOMBALL JHS
E3.01D	ELECTRICAL ENLARGED PLANS - TOMBALL MEMORIAL HS
E3.01E	ELECTRICAL ENLARGED PLANS - WILLOW WOOD JHS
E5.01A	ELECTRICAL SCHEDULES - CREEKSIDE PARK JHS
E5.01B	ELECTRICAL SCHEDULES - GRAND LAKES JHS
E5.01C	ELECTRICAL SCHEDULES - TOMBALL JHS
E5.01D	ELECTRICAL SCHEDULES - TOMBALL MEMORIAL HS
E5.01E	ELECTRICAL SCHEDULES - WILLOW WOOD JHS
E5.02A	ELECTRICAL PANEL SCHEDULES - CREEKSIDE PARK JHS
E5.02B	ELECTRICAL PANEL SCHEDULES - GRAND LAKES JHS
E5.02C	ELECTRICAL PANEL SCHEDULES - TOMBALL JHS
E5.02D	ELECTRICAL PANEL SCHEDULES - TOMBALL MEMORIAL HS
E5.02E	ELECTRICAL PANEL SCHEDULES - WILLOW WOOD JHS
E6.01A	ELECTRICAL DETAILS - CREEKSIDE PARK JHS
E6.01B	ELECTRICAL DETAILS - GRAND LAKES JHS
E6.01C	ELECTRICAL DETAILS - TOMBALL JHS
E6.01D	ELECTRICAL DETAILS - TOMBALL MEMORIAL HS
E6.01E	ELECTRICAL DETAILS - WILLOW WOOD JHS
Grand total: 22	



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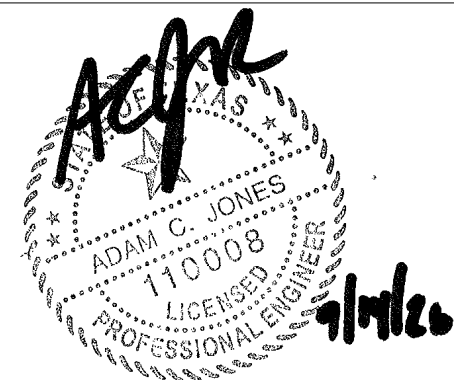
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ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No. Revision Date

Project Director:

Project Architect:

Project Designer:

Drawn By: Author

PROJECT NO.

25-0158.00

SHEET TITLE

ELECTRICAL GENERAL
NOTES

SHEET NO.

E0.11

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GENERAL ELECTRICAL NOTES:

- A. ELECTRICAL DEVICE LOCATIONS SHOWN ARE NOT EXACT. ALL DEVICE LOCATIONS SHALL BE VERIFIED WITH ARCHITECTURAL MILLWORK, CASEWORK, AND GENERAL ELEVATION VIEWS.
- B. ELECTRICAL CONTRACTOR SHALL PROVIDE CONDUIT, OUTLET BOXES, JUNCTION BOXES FOR ALL TECHNOLOGY, LOW VOLTAGE, ACCESS CONTROL, SECURITY, SURVEILLANCE, AND OTHER DIVISION 27/28 SCOPE. REFER TO DIVISION 27/28 DRAWINGS AND SPECIFICATIONS FOR ALL WORK REQUIRED. OMISSION OF THIS SCOPE FROM DIV 28 SCOPE OF WORK IS PROHIBITED.
- C. HVAC AND PLUMBING EQUIPMENT LOCATIONS ARE NOT EXACT, AND THE EXACT POINT OF CONNECTION TO EQUIPMENT MAY VARY. COORDINATE EXACT ROUGH-IN REQUIREMENTS IN FIELD AND WITH FINAL SUBMITTALS.
- D. PROVIDE LABELING OF ALL DEVICES, CONDUIT, PANELS, AND JUNCTION BOXES WITH TYPE-WRITTEN LABEL IDENTIFYING CIRCUIT ON THE BACK OF DEVICE COVER PLATES AND ON COVER OF JUNCTION BOXES IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS.
- E. ROOF PENETRATIONS SHALL BE MINIMIZED. WHERE ABLE, ROUTE ALL CONDUIT FOR ROOF MOUNTED EQUIPMENT THROUGH ROOF CURB. CONTRACTOR WILL BE RESPONSIBLE FOR COORDINATING NECESSARY WATER PROOFING AROUND ROOF PENETRATIONS WITH ROOFING INSTALLER.
- F. ALL RECEPTACLES LOCATED IN RESTROOMS, JANITOR CLOSETS, MECHANICAL ROOMS, ELEVATOR PIT'S OR SHAFTS, ELEVATOR EQUIPMENT ROOMS, SERVING ELECTRIC DRINKING FOUNTAINS OR VENDING MACHINES, LOCATED WITHIN 6' OF A SINK, LOCATED ABOVE A WET COUNTERTOP OR IN A KITCHEN OR COFFEE BAR SHALL BE GFCI. FEED-THRU GFCI/GFI IS PROHIBITED. ALL GFCI/GFI DEVICES SHALL BE PROVIDED WITH INDIVIDUAL TEST/RESET FEATURES. ALL GFCI RECEPTACLES SHALL BE ACCESSIBLE. PROVIDE SEPARATE RECEPTACLE PROTECTED BY "FACELESS GFCI," REQUIRED TO COMPLY WITH CURRENTLY ADOPTED NEC.
- G. WHERE MULTI-WIRE HOMERUNS ARE INSTALLED, GROUP HOMERUNS WITH THREE HOTS (A,B, AND C PHASE), AND #10 NEUTRAL TO PROVIDE MULTI-WIRE BRANCH CIRCUITS. NO MORE THAN 2 MULTI-WIRE HOMERUNS PER CONDUIT. CONTRACTOR IS REQUIRED TO FURNISH CALCULATIONS PROVING CONDUCTOR DE-RATING HAS BEEN INCORPORATED, INCLUDING CONDUIT FILL PERCENTAGE AND MULTI-CONDUCTOR DE-RATING FOR MULTI-WIRE CIRCUITS. THE NEUTRAL IS CONSIDERED A CURRENT CARRYING CONDUCTOR FOR ALL PHASE CONFIGURATIONS. MULTI-WIRE BRANCH CIRCUITS SHARING A COMMON NEUTRAL SHALL BE PROVIDED WITH GROUPED BREAKER HANDLE TIES PER NEC ARTICLE 210.4 & 240.15(B).
- H. CONTRACTOR SHALL PROVIDE PLENUM RATED MATERIAL FOR ALL INFRASTRUCTURE LOCATED IN PLENUMS NOT PROTECTED BY CONDUIT OR ANOTHER APPROVED LISTED FIRE ENCLOSURE.
- I. NEW ELECTRICAL EQUIPMENT LOCATED IN ELECTRICAL ROOMS SHALL BE ARRANGED TO COMPLY WITH LATEST NEC ARTICLE 110.
- J. ELECTRICAL AND TECHNOLOGY OUTLETS SHOWN IN SOUND RATED PARTITIONS SHALL NOT BE PLACED BACK-TO-BACK. OFFSET AT LEAST ONE STD. AND SEAL FOR SOUND AS REQUIRED.
- K. ALL RECEPTACLES SHALL BE TAMPER RESISTANT TYPE. CONTRACTOR MAY PROVIDE NON-TAMPER RESISTANT RECEPTACLES WHERE NOT REQUIRED PER CURRENT NEC ARTICLE 406.

GENERAL LIGHTING DEMOLITION NOTES:

- A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS PRESENT ON SITE PRIOR TO BIDDING, AND SHALL BE EXPECTED TO PERFORM DEMOLITION AND INSTALL NEW AS SHOWN ON THE DOCUMENTS, INCLUDING SCOPE THAT MAY NOT FEASIBLY BE INDICATED ON PLAN.
- B. CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING ELECTRICAL DEVICES ON EXISTING CEILING. ALL ABANDONED DEVICES IN CEILING WITHIN SCOPE OF WORK SHALL BE REMOVED.
- C. OWNER SHALL HAVE FIRST RIGHT OF REFUSAL TO ALL REMOVED MATERIALS. CONTRACTOR SHALL COORDINATE WITH OWNER FOR LOCATION TO RETURN ANY AND ALL MATERIAL FOR OWNER STORAGE. FAILURE TO TURN OVER REMOVED MATERIAL TO OWNER MAY REQUIRE CONTRACTOR TO REPLACE EQUIPMENT REMOVED WITH NEW.
- D. REMOVE ALL ELECTRICAL DEVICES WITHIN DEMOLISHED WALLS INCLUDING SWITCHES AND FIRE ALARM DEVICES. REFER TO ARCHITECTURAL DEMO PLAN. THIS SCOPE MAY NOT BE DIRECTLY IMPLIED BY NOTES ON DEMO PLANS AS IT IS ASSUMED THIS SCOPE EXISTS BASED ON ARCHITECTURAL DEMOLITION PLANS.
- E. CONTRACTOR SHALL REVIEW DEMO AND NEW WORK PLANS SIMULTANEOUSLY TO IDENTIFY SCOPE THAT IS TO BE MODIFIED FOR REUSE WITH NEW SCOPE.
- F. ALL FIXTURES REMOVED AND REINSTALLED SHALL BE CLEANED, RELAMPED AS REQUIRED, AND TOUCHED UP WITH PAINT. ALL DAMAGED PARTS MUST BE REPLACED. THE FIXTURES SHALL THEN BE REINSTALLED AS REQUIRED. PROVIDE NEW DRIVERS AS REQUIRED. ALL EXISTING SWITCHING ZONES SHALL REMAIN UNCHANGED UNLESS DIRECTED OTHERWISE ON PLANS.
- G. ALL LIGHTING CIRCUITS SHALL BE DEMOLISHED AS REQUIRED BY THE DEMOLITION SCOPE ON THE DOCUMENTS. REPAIR ANY CIRCUITS THAT ARE PARTIALLY DEMOLISHED AND CONTAIN OUTLETS THAT ARE NOT IN SCOPE OR OUTSIDE OF THE LIMITS OF CONSTRUCTION TO WORKING CONDITION. PROVIDE ADDITIONAL CONDUIT, WIRE AND BOXES AS NEEDED.
- H. MODIFIED LIGHTING CIRCUITS SHALL NOT EXCEED 50% CIRCUIT LOAD BASED ON CIRCUIT IMPACT.

LIGHTING GENERAL NOTES:

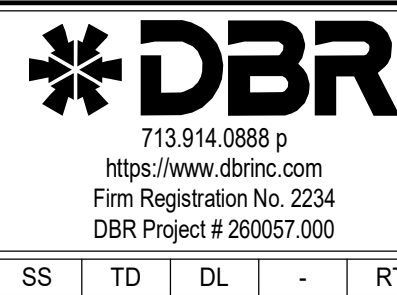
- A. ALL LIGHTING CONTROLS SHALL BE PROVIDED IN ACCORDANCE WITH PERFORMANCE DESCRIPTION INDICATED IN THE LIGHTING CONTROL DEVICE SCHEDULE FOUND ON SCHEDULE SHEET.
- B. MULTIPLE SWITCHES SHOWN TOGETHER SHALL BE GANGED UNDER A COMMON COVER PLATE.
- C. PROVIDE LABELING OF ALL CONTROL DEVICES, SWITCH PACKS, LIGHT FIXTURES, JUNCTION BOXES, ETC IN ACCORDANCE WITH SPECIFICATIONS.
- D. LIGHTING FIXTURE LOCATIONS SHOWN TAKE PRECEDENCE IN CEILING LOCATION TO ALL OTHER TRADES. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING OTHER TRADES DO NOT IMPACT SPACING AND/OR OVERLAPMENT OF OTHER DEVICES WHERE LIGHT FIXTURES ARE INSTALLED.
- E. REFERENCE SYMBOLS LEGEND FOR LIGHT SWITCH AND LIGHTING CONTROL DEVICE NOMENCLATURE AND SWITCH-LEG ANNOTATION OR LABELING.
- F. ALL 2X2, 2X4 FIXTURES INSTALLED IN SUSPENDED GRID CEILING SHALL BE PROVIDED WITH (4) SECONDARY SUPPORT WIRES ANCHORED DIRECTLY TO STRUCTURE.

GENERAL POWER DEMOLITION NOTES:

- A. EXISTING CIRCUIT BREAKERS VACATED DUE TO REMODELING WORK SHALL REMAIN AS SPARE BREAKERS AND LEFT IN THE 'OFF' POSITION.
- B. WHERE INDICATED OR REQUIRED BY OTHER TRADES, CONTRACTOR SHALL REMOVE ALL ELECTRICAL CONNECTIONS TO EXISTING PREWIRED FURNITURE. REMOVE CONDUIT AND WIRING BACK TO LAST ACTIVE JUNCTION. ALL DATA CABLING SHALL BE REMOVED.
- C. CONTRACTOR SHALL REPORT ANY DAMAGED DEVICES THAT ARE SHOWN AS EXISTING TO REMAIN. ALL DEVICES FOUND TO BE DAMAGED AT THE TIME OF SUBSTANTIAL COMPLETION THAT NOT REPORTED PRIOR TO STARTING WORK SHALL BE REPLACED AT THE CONTRACTOR'S COST.
- D. DEMOLISHED POKE-THRU'S SHALL BE DISCONNECTED FROM EXISTING BRANCH CIRCUIT, DATA AND/OR AV CONDUCTORS. CAP WITH A UL LISTED FIRE RATED POKE-THRU COVER.
- E. EXISTING RECEPTACLE OR MECHANICAL CIRCUITS MODIFIED IN FIELD SHALL NOT EXCEED 80% CAPACITY BASED ON AMP-RATING OF CIRCUIT.

GENERAL SITE PLAN NOTES:

- A. CONTRACTOR SHALL INSTALL ALL RACEWAYS, DUCTBANKS, CONCRETE PADS ETC. REQUIRED BY THE UTILITY COMPANY. OBTAIN WRITTEN INSTRUCTIONS FROM THE UTILITY COMPANY BEFORE ROUGH IN.
- B. CONTRACTOR SHALL BORE UNDERNEATH EXISTING PAVEMENT WHERE CONDUITS ARE ROUTED UNDER EXISTING PAVING. SAW CUTTING IS NOT PERMITTED WITHOUT OWNER PERMISSION PRIOR TO BEGINNING WORK.
- C. CONDUIT SHALL BE PERMITTED TO BE ROUTED EXPOSED/SURFACE MOUNTED IN MECHANICAL YARDS. EXPOSED CONDUITS SHALL RUN PERPENDICULAR OR PARALLEL TO THE WALLS, BEAMS, ETC. ROUTING SHALL BE COORDINATED WITH OWNER PRIOR TO ROUGH-IN.
- D. CONTRACTOR SHALL SAW CUT EXISTING CONCRETE SLABS WHEN REQUIRED TO INSTALL NEW RACEWAYS. COORDINATE PROPOSED ROUTING WITH ARCHITECT PRIOR TO SAW CUTTING. CONTRACTOR SHALL PATCH TO MATCH EXISTING CONDITIONS. PERFORM X-RAY SCAN ON ANY POST TENSION SLAB PRIOR TO COMMENCING CUTTING.
- E. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS WHEN EXCAVATING TO AVOID DAMAGE TO EXISTING POWER, COMMUNICATIONS, WATER, SANITARY/SEWER, AND/OR GAS LINES THAT MAY BE BURIED IN AREAS OF NEW CONSTRUCTION OR WHEN TRENCHING FOR NEW FEEDERS AND BRANCHES IS REQUIRED. COORDINATE WITH CIVIL PLANS FOR ADDITIONAL INFORMATION.
- F. COORDINATE EQUIPMENT LOCATIONS WITH ARCHITECTURAL AND CIVIL PLANS FOR EXACT EQUIPMENT LOCATION BEFORE INSTALLATION. EQUIPMENT LOCATIONS SHOWN ARE APPROXIMATE.
- G. THE CONTRACTOR SHALL PROVIDE AND INSTALL PULL STRINGS TO ALL SPARE OR UNUSED UNDERGROUND CONDUITS.
- H. CONTRACTOR SHALL PROVIDE CONDUIT AS REQUIRED BY DIVISION 27/28. COORDINATE WITH DIVISION 27/28 SYSTEM PROVIDER FOR EXACT SIZE AND QUANTITY OF CONDUITS REQUIRED.
- I. PROVIDE FLUSH WITH GRADE TRAFFIC-RATED CONCRETE PULL BOXES AS REQUIRED EVERY 250' MAXIMUM FOR ALL BELOW GRADE CONDUIT RUNS SHOWN. LOW VOLTAGE AND LINE VOLTAGE CABLING SHALL NOT BE RUN THROUGH THE SAME PULL BOX.
- J. ELECTRICAL SERVICE PULL-BOXES/MANHOLES SHALL BE COORDINATED WITH THE POWER COMPANY. REFER TO POWER COMPANY STANDARDS FOR EXACT REQUIREMENTS.
- K. UNDER GROUND BRANCH CIRCUITS CONDUITS SHALL BE A MINIMUM SIZE OF 1 INCH USING #10 AWG CONDUCTORS UNLESS OTHERWISE NOTED.
- L. ALL UNDERGROUND FEEDERS AND BRANCH CIRCUIT SHALL BE PROVIDED WITH PULLBOXES AS REQUIRED BY NEC.
- M. ALL PULL BOXES SHALL BE INSTALLED FLUSH WITH FINISHED GRADE. REFER TO CIVIL PLANS FOR FINAL GRADE ELEVATION.
- N. CONDUIT SHALL NOT BE ROUTED UNDER SPORTS FIELD.



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SS TO DL - RT

Tomball Athletic Improvements



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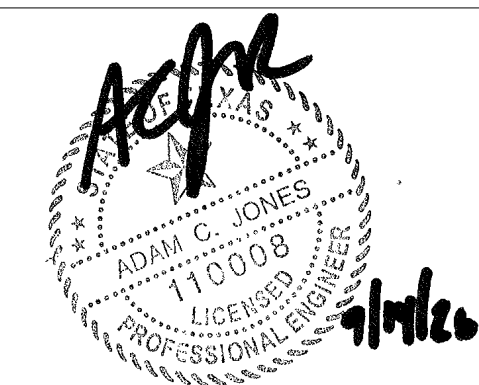
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ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No.	Revision Date
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Project Director:

Project Architect:

Project Designer:

Drawn By:	Author
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PROJECT NO.

25-0158.00

SHEET TITLE

ELECTRICAL ENLARGED
PLANS - TOMBALL
MEMORIAL HS

SHEET NO.

E3.01D

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GENERAL ELECTRICAL NOTE:

A. REFER TO SHEET E0.11 FOR ALL GENERAL ELECTRICAL NOTES.

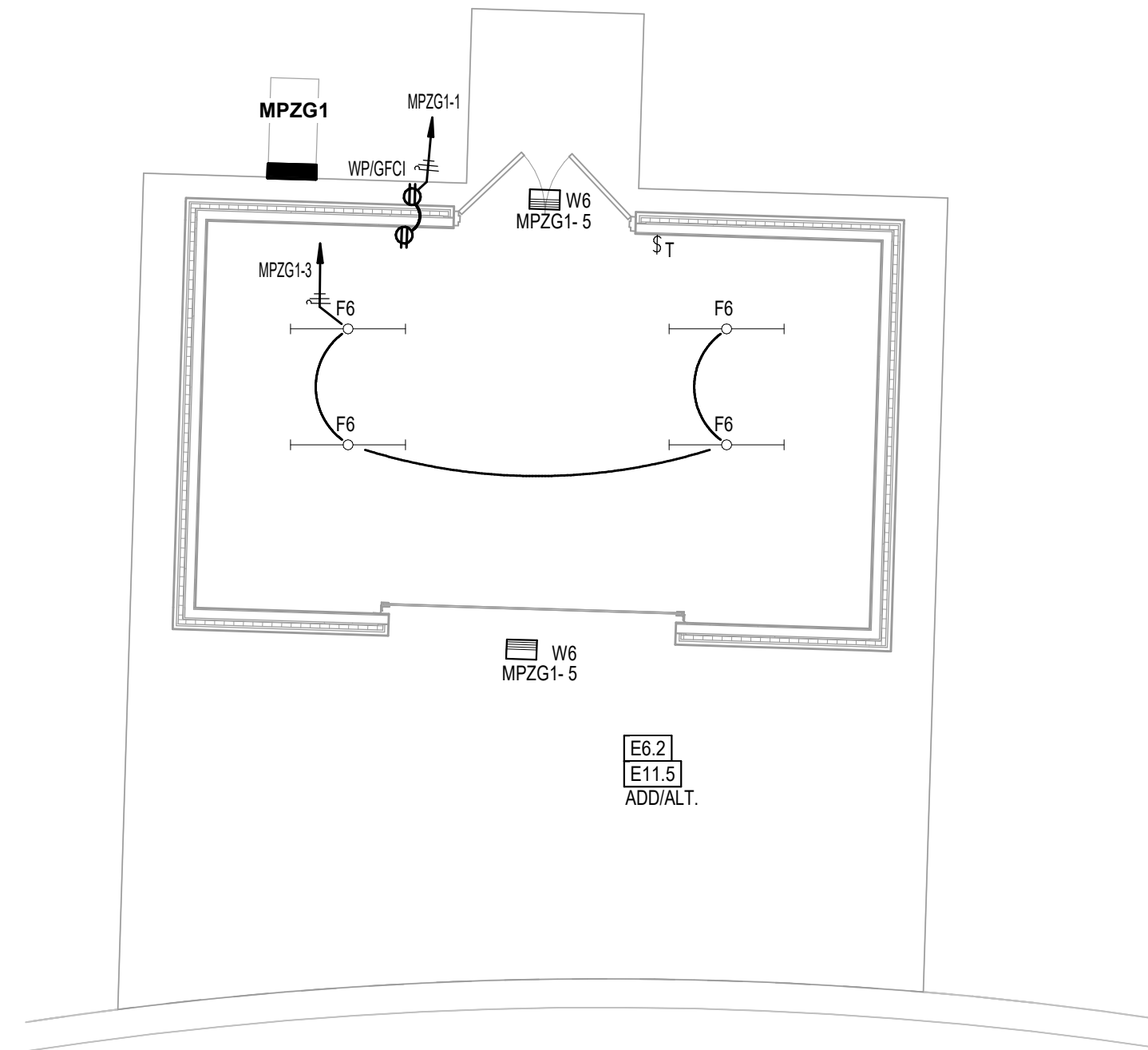
ELECTRICAL KEYED NOTES

E6.2 PROVIDE (1) 120V CIRCUIT TO NEW STORAGE SHED (ALTERNATE).

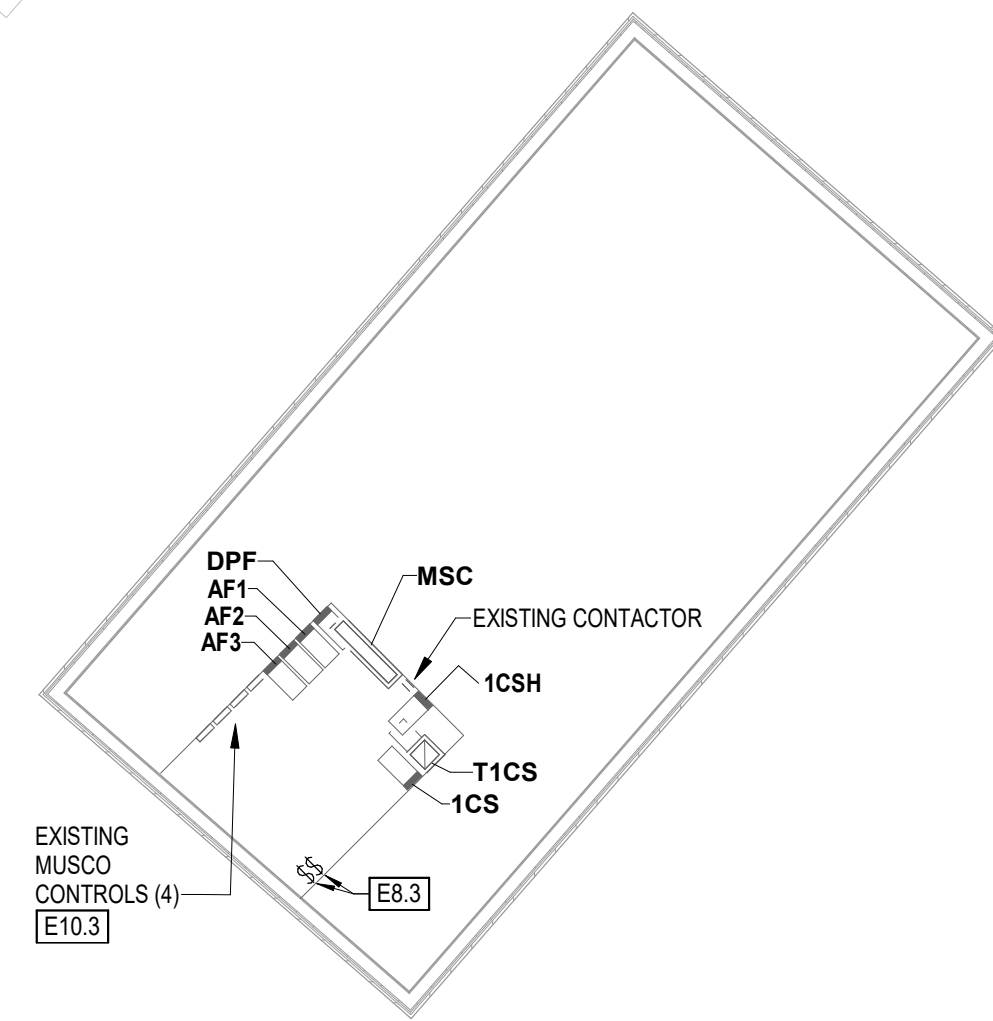
E6.3 PROPOSED LOCATION FOR SPORTS LIGHT POLES MANUAL OVERRIDE CONTROLS. FIELD COORDINATE EXACT LOCATION. COORDINATE EXACT REQUIREMENTS WITH MANUFACTURER.

E10.3 APPROXIMATE LOCATION OF EXISTING MUSCO SPORTS LIGHTING CONTROLLER/CONTROLLER. INTEGRATE EXISTING CONTROLLER WITH BAS. REFER TO MUSCO SPORTS LIGHTING NOTES FOR MORE INFORMATION.

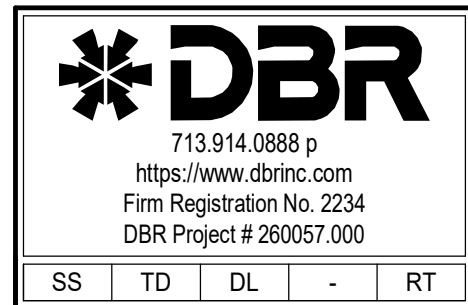
E11.5 PROVIDE (1) 277V CIRCUIT FOR INTERIOR AND EXTERIOR LIGHTING FIXTURES OF NEW SHEDS AND PROVIDE LIGHTING CONTROLS (ALTERNATE).



2 TOMBALL MEMORIAL HS - STORAGE
3/16" = 1'-0"



1 TOMBALL MEMORIAL HS - STORAGE/ELECTRICAL ROOM
1/16" = 1'-0"





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NOTES: LIGHT FIXTURE CATALOG NUMBERS AND DESCRIPTIONS ARE SHOWN FOR ESTABLISHING QUALITY, APPEARANCE AND PERFORMANCE OF THE FIXTURES AS REQUIRED BY THE DESIGN. EXCAT CATALOG NUMBERS DESCRIBING MOUNTING CONDITIONS, FINISHES AND REQUIREMENTS RELATED TO TRIMS AND LENS FOR ALL FIXTURES SHALL BE CONFIRMED BY THE CONTRACTOR WITH THE ROOM FINISH SCHEDULE AND REFLECTED GLINT PLANS, INCLUDING GRID TYPES, ON THE ARCHITECTURAL DRAWINGS PRIOR TO BIDDING. FIXTURES SHALL BE SUBMITTED ACCORDING TO THE CONDITIONS INDICATED ON THE ARCHITECTURAL PLANS. REFER TO THE WRITTEN SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. THE LIGHT FIXTURE SUBMITTALS MAY BE THE BASIS OF THE CONTRACTOR'S LIMIT COMPETITION FROM OTHER MANUFACTURERS. ALL BIDDERS SHALL SUBMIT THEIR PROPOSED LIGHT FIXTURES IN SUBMITTAL FORM A MINIMUM OF 10 BUSINESS DAYS PRIOR TO BID DATE FOR REVIEW. APPROVED LIGHT FIXTURES WILL BE ISSUED IN AN ADDENDUM.

1. PROVIDE NEW SPEARS LIGHTING POLE CONTACTOR/CONTROLLER MOUNTED ON POLE AND ASSOCIATED POWER AND CONTROLS, PROVIDE WITH INTEGRAL STEP-DOWN TRANSFORMER FOR 120V CONTROLS ON POLE. IN ADDITION TO CONTROLS ON POLE, PROVIDE REMOTELY LOCATED MANUAL ON/OFF OVERRIDE CONTROL, OF LIGHTS, REFER TO POWER PLANS FOR PROPOSED LOCATION, AND PROVIDE CONDUITS AND WIRE FROM THIS LOCATION TO EACH POLE LIGHT. (1)" CONDUIT FOR CONTACTOR CONTROL WIRING (ONLY IF DIMMING FROM THE MANUAL SWITCH, AND (1)" CONDUIT FOR DIMMING WIRES); COORDINATE EACE REQUIREMENTS WITH MANUFACTURER SHOP DRAWINGS AND MANUAL. PROVIDE (1)" CONDUIT FROM POLE TO FIELD-HOUSE BUILDING MDF ROOM FOR DATA (NETWORK) COORDINATE WITH TECHNOLOGY INSTALLER. COORDINATE ALL LOCATIONS, ROUTING, AND MOUNTING REQUIREMENTS AND HEIGHT WITH EXISTING SITE CONDITIONS AND UTILITIES.

NOTE:
-ALL CONDUCTORS SHALL BE COPPER

1. ELECTRICAL CONTRACTOR SHALL PROVIDE THE NUMBER OF LUGS AND PROPER LUG SIZES TO ACCEPT CONDUCTOR SIZES SHOWN.
2. GROUND NOT REQUIRED AT SERVICE LATERAL.

1. ELECTRICAL CONTRACTOR SHALL PROVIDE THE NUMBER OF LUGS AND PROPER LUG SIZES TO ACCEPT CONDUCTOR SIZES SHOWN.
2. GROUND NOT REQUIRED AT SERVICE LATERAL.

ALL EQUIPMENT, WIRING AND CONDUIT SHOWN IS EXISTING TO REMAIN UNLESS NOTED OTHERWISE.

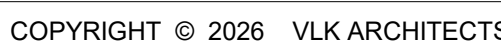
C. CONTRACTOR VISIT THE SITE TO VERIFY EXISTING CONDITIONS, INCLUDING BUT NOT LIMITED TO, THE FOLLOWING:

- 1. ALL MODIFICATIONS REQUIRED TO COMPLY WITH THE NATIONAL ELECTRICAL CODE, LANDLORD AND POWER COMPANY.
- 2. NEW ELECTRICAL EQUIPMENT SHALL BE ARRANGED TO COMPLY WITH THE LATEST NEC, ARTICLE 110.

D. IT IS THE CONTRACTOR'S RESPONSIBILITY TO HAVE VERIFIED THE EXISTING JOB SITE CONDITIONS DURING THE BIDDING PERIOD TO OBTAIN THE SCOPE OF ELECTRICAL WORK INVOLVED AS A RESULT OF THE ARCHITECTURAL REQUIREMENTS TO THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MATERIALS AND OUTLETS, CONSISTING OF FIXTURES, DEVICES, EQUIPMENT OR APPARATUS, WHICH MUST BE RELOCATED, RELOCATED OR REMOVED EITHER TEMPORARILY OR PERMANENTLY, OR WHICH MUST BE MODIFIED TO MEET THE PROJECT REQUIREMENTS. CONTRACTOR SHALL NOT ALL EXISTING OUTLETS ARE NECESSARILY INDICATED ON THE DRAWINGS.

Revision No. Revision Date

E5.01D





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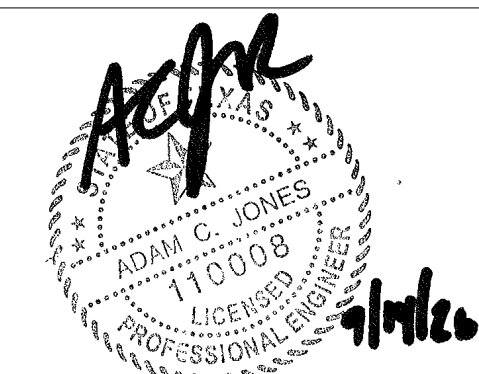
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ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No. Revision Date

Project Director:

Project Architect:

Project Designer:

Drawn By: Author

PROJECT NO.

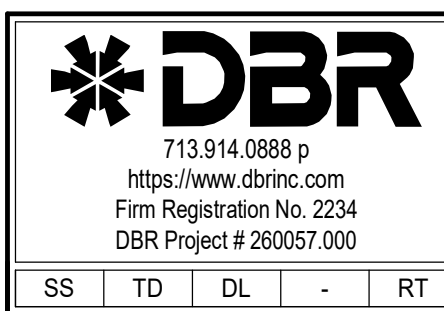
25-0158.00

SHEET TITLE

ELECTRICAL PANEL
SCHEDULES - TOMBALL
MEMORIAL HS

SHEET NO.

E5.02D



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Panelboard 1CSH												65000 A AIC Rating														
1 Section												New														
Mains Type: 0 A --												X Existing														
MLO												125 A BUS (Copper)														
Type 1 -Nema Rating												LUGS: SINGLE														
MLO												Mounting Style: SURFACE														
NOTE	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CB	CKT	CB	WIRE	DESCRIPTION	TYPE	LOAD (VA)	NOTE	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CB	CKT	CB	WIRE	DESCRIPTION	TYPE	LOAD (VA)	NOTE		
	1 1000 VA	--	LIGHTING (E)	12	20 A	1	2	20 A	12	EUH-1 (E)	--	3324 VA	1	1 1000 VA	--	LIGHTING (E)	12	20 A	1	2	20 A	12	EUH-1 (E)	--	3324 VA	1
	1 1000 VA	--	LIGHTING (E)	12	20 A	3	4	20 A	12	EUH-2 (E)	--	3324 VA	1	1 1000 VA	--	LIGHTING (E)	12	20 A	3	4	20 A	12	EUH-2 (E)	--	3324 VA	1
	1 500 VA	--	SOFFIT LIGHTING (E)	12	20 A	5	6	20 A	12	EUH-3 (E)	--	3324 VA	1	1 500 VA	--	SOFFIT LIGHTING (E)	12	20 A	5	6	20 A	12	EUH-3 (E)	--	3324 VA	1
	1 500 VA	--	EXISTING LOAD	12	20 A	7	8	20 A	12	EUH-4 (E)	--	3324 VA	1	1 500 VA	--	EXISTING LOAD	12	20 A	7	8	20 A	12	EUH-4 (E)	--	3324 VA	1
	4 1150 VA	--	TRACK LIGHTING	8	30 A	9	10	30 A	10	EUH-5 (E)	--	3324 VA	1	4 1150 VA	--	TRACK LIGHTING	8	30 A	9	10	30 A	10	EUH-5 (E)	--	3324 VA	1
										EUH-6 (E)	--	3324 VA	1													
	1 0 VA	--	Spare	12	20 A	11	12	20 A	12	EUH-6 (E)	--	3324 VA	1	1 0 VA	--	Spare	12	20 A	11	12	20 A	12	EUH-6 (E)	--	3324 VA	1
	1 0 VA	--	Spare	12	20 A	13	14	20 A	12	EUH-7 (E)	--	3324 VA	1	1 0 VA	--	Spare	12	20 A	13	14	20 A	12	EUH-7 (E)	--	3324 VA	1
	1 0 VA	--	Spare	12	20 A	15	16	20 A	12	Spare	--	0 VA	1	1 0 VA	--	Spare	12	20 A	15	16	20 A	12	Spare	--	0 VA	1
	1 0 VA	--	Spare	12	20 A	17	18	20 A	12	Spare	--	0 VA	1	1 0 VA	--	Spare	12	20 A	17	18	20 A	12	Spare	--	0 VA	1
	1 0 VA	--	Spare	12	20 A	19	20	20 A	12	Spare	--	0 VA	1	1 0 VA	--	Spare	12	20 A	19	20	20 A	12	Spare	--	0 VA	1
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NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity		
220.47	(R)Receptacle	Not Computed	0.00%	Not Computed	210.20A	(L)Lighting	Not Computed	0.00%	Not Computed	220.47	(R)Receptacle	Not Computed	0.00%	Not Computed	210.20A	(L)Lighting	Not Computed	0.00%	Not Computed	220.47	(R)Receptacle	Not Computed	0.00%	Not Computed		
220.56	(K)Kitchen	Not Computed	0.00%	Not Computed	620.14	(E)Ext. Ltg.	Not Computed	0.00%	Not Computed	220.56	(K)Kitchen	Not Computed	0.00%	Not Computed	620.14	(E)Ext. Ltg.	Not Computed	0.00%	Not Computed	220.56	(K)Kitchen	Not Computed	0.00%	Not Computed		
220.60	(C)Cooling	Not Computed	0.00%	0 VA	220.50	(E)Elevators	Not Computed	0.00%	Not Computed	220.60	(C)Cooling	Not Computed	0.00%	0 VA	220.50	(E)Elevators	Not Computed	0.00%	Not Computed	220.60	(C)Cooling	Not Computed	0.00%	Not Computed		
220.60	(H)Heating	Not Computed	0.00%	0 VA	220.50	(W)Wat. Htr.	Not Computed	0.00%	Not Computed	220.60	(H)Heating	Not Computed	0.00%	0 VA	220.50	(W)Wat. Htr.	Not Computed	0.00%	Not Computed	220.60	(H)Heating	Not Computed	0.00%	Not Computed		
220.60	(F)Fans	Not Computed	0.00%	Not Computed	220.50	(MT)Lrg. Motor	Not Computed	0.00%	Not Computed	220.60	(F)Fans	Not Computed	0.00%	Not Computed	220.50	(MT)Lrg. Motor	Not Computed	0.00%	Not Computed	220.60	(F)Fans	Not Computed	0.00%	Not Computed		
220.60	(M)Misc.	Not Computed	0.00%	Not Computed	630.11B	(SP)Sub Pnl.	Not Computed	0.00%	Not Computed	220.60	(M)Misc.	Not Computed	0.00%	Not Computed	630.11B	(SP)Sub Pnl.	Not Computed	0.00%	Not Computed	220.60	(M)Misc.	Not Computed	0.00%	Not Computed		
Total Connected Load: 39058 VA VA = 47 A												Location of Panel:				Total Load (Diversified): 39058 VA VA = 47 A										

Panelboard AF3												65000 A AIC Rating											
1 Section												New X Existing Mounting Style: SURFACE											
Main: Type			MLO			0 A BUS -- 400 A (Copper)			LUGS: SINGLE --														
NOTE	LOAD (VA)	TYPE	DESCRIPTION	WIRE	CB	CKT	CB	WIRE	DESCRIPTION	TYPE	LOAD (VA)	NOTE	LOAD (VA)	TYPE	NOTE								
1	12000 VA	--	EXISTING POLE "T1" (TENNIS)	12	20 A	3 4 5 6 7 8	20 A	12	EXISTING POLE "T8" (TENNIS)	--	12000 VA	1	12000 VA	--	1								
1	12000 VA	--	EXISTING POLE "T3" (TENNIS)	10	30 A	11 12	20 A	12	EXISTING POLE "T8" (TENNIS)	--	12000 VA	1	12000 VA	--	1								
1	12000 VA	--	EXISTING POLE "T7" (TENNIS)	12	20 A	13 14 15 16 17 18	20 A	12	EXISTING POLE "T8" (TENNIS)	--	12000 VA	1	12000 VA	--	1								
1	12000 VA	--	EXISTING POLE "T2" (TENNIS)	12	20 A	19 20 21 22 23 24	30 A	10	EXISTING POLE "T5" (TENNIS)	--	12000 VA	1	12000 VA	--	1								
1	12000 VA	--	EXISTING POLE "T2" (TENNIS)	12	20 A	25 26 27 28 29 30	30 A	12	EXISTING POLE "T6" (TENNIS)	--	12000 VA	1	12000 VA	--	1								
1	12000 VA	--	EXISTING POLE "T2" (TENNIS)	10	30 A	31 32 33 34 35 36	30 A	10	EXISTING SECURITY LTG	--	6000 VA	1	6000 VA	--	1								
1	12000 VA	--	EXISTING POLE "T2" (TENNIS)	10	30 A	37 38 39 40	30 A	10	EXISTING SECURITY LTG	--	6000 VA	1	6000 VA	--	1								
1	12000 VA	--	EXISTING POLE "T4" (TENNIS)	10	30 A	41 42	--	12	Space	--	0 VA	1	0 VA	--	1								
NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity				
220.47	(R)Kitchens	Not Computed	0.00%	Not Computed	210.20A	(L)Lighting	Not Computed	0.00%	Not Computed	220.47	(R)Kitchens	Not Computed	0.00%	Not Computed	210.20A	(L)Lighting	Not Computed	0.00%	Not Computed				
220.56	(C)Cooling	Not Computed	0.00%	Not Computed	0 VA	(E)Elevators	Not Computed	0.00%	Not Computed	220.56	(C)Cooling	Not Computed	0.00%	Not Computed	0 VA	(E)Elevators	Not Computed	0.00%	Not Computed				
220.60	(H)Heating	Not Computed	0.00%	0 VA	620.14	(W)Wat. Htr.	Not Computed	0.00%	Not Computed	220.60	(H)Heating	Not Computed	0.00%	Not Computed	620.14	(W)Wat. Htr.	Not Computed	0.00%	Not Computed				
220.60	(F)Fans	Not Computed	0.00%	Not Computed	220.50	(MT)Lrg. Motor	Not Computed	0.00%	Not Computed	220.60	(F)Fans	Not Computed	0.00%	Not Computed	220.50	(MT)Lrg. Motor	Not Computed	0.00%	Not Computed				
220.60	(M)Misc.	Not Computed	0.00%	Not Computed	630.11B	(SP)Sub Pnl.	Not Computed	0.00%	Not Computed	220.60	(M)Misc.	Not Computed	0.00%	Not Computed	630.11B	(SP)Sub Pnl.	Not Computed	0.00%	Not Computed				
Total Connected Load:				156000 VA	VA =	188 A	Location of Panel:										Total Load (Diversified):				156000 VA	VA =	188 A

Panelboard DPF												65000 A AIC Rating							
1 Section												New	Existing						
Mains Type:												LUGS: SINGLE							
MLO												SURFACE							
Type 1 -Nema Rating												Type 1 -Nema Rating							
LOAD (VA)	TYPE	DESCRIPTION	WIRE	CB	CKT	CB	WIRE	DESCRIPTION	TYPE	LOAD (VA)	NOTE	LOAD (VA)	TYPE	DESCRIPTION	TYPE				
1 40738 VA	--	EXISTING PANEL 1CS	4	70 A	3 4 5 6 7 8	50 A	8	EXISTING TICKET BOOTH	--	20784 VA	1	1 40738 VA	--	EXISTING PANEL 1CS	4				
1 29098 VA	--	EXISTING PANEL 1SB	8	50 A	9 10 11 12	50 A	8	EXISTING PANEL 1FB	--	29098 VA	1	1 29098 VA	--	EXISTING PANEL 1SB	8				
1 11639 VA	--	EXISTING PANEL 1CSH	12	20 A	13 14 15 16 17 18	20 A	12	EXISTING PANEL 1T1SF	--	11639 VA	1	1 11639 VA	--	EXISTING PANEL 1CSH	12				
1 0 VA	--	Space	12	--	19 20	20 A	12	EXISTING TICKET BOOTH TRANSFORMER	--	8313 VA	1	1 0 VA	--	Space	12				
1 0 VA	--	Space	12	--	21 22	20 A	12		Space	--	0 VA	1	1 0 VA	--	Space	12			
1 0 VA	--	Space	12	--	23 24	20 A	12		Space	--	0 VA	1	1 0 VA	--	Space	12			
1 0 VA	--	Space	12	--	25 26	20 A	12		Space	--	0 VA	1	1 0 VA	--	Space	12			
1 0 VA	--	Space	12	--	27 28	20 A	12		Space	--	0 VA	1	1 0 VA	--	Space	12			
1 0 VA	--	Space	12	--	29 30	20 A	12		Space	--	0 VA	1	1 0 VA	--	Space	12			
1 0 VA	--	Space	12	--	31 32	20 A	12		Space	--	0 VA	1	1 0 VA	--	Space	12			
1 0 VA	--	Space	12	--	33 34	20 A	12		Space	--	0 VA	1	1 0 VA	--	Space	12			
1 0 VA	--	Space	12	--	35 36	20 A	12	Space	--	0 VA	1	1 0 VA	--	Space	12				
1 0 VA	--	Space	12	--	37 38	20 A	12	Space	--	0 VA	1	1 0 VA	--	Space	12				
1 0 VA	--	Space	12	--	39 40	20 A	12	Space	--	0 VA	1	1 0 VA	--	Space	12				
1 0 VA	--	Space	12	--	41 42	20 A	12	Space	--	0 VA	1	1 0 VA	--	Space	12				
NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity	NEC REF:	Load Type	Conn.	Fct.	Diversity
220.47	(R)Receptacle	Not Computed	0.00%	Not Computed	210.20A	(L)Lighting	Not Computed	0.00%	Not Computed	220.47	(R)Receptacle	Not Computed	0.00%	Not Computed	210.20A	(L)Lighting	Not Computed	0.00%	Not Computed
220.56	(K)Kitchen	Not Computed	0.00%	Not Computed	0 VA	(E)Ext. Ltg.	Not Computed	0.00%	Not Computed	220.56	(K)Kitchen	Not Computed	0.00%	Not Computed	0 VA	(E)Ext. Ltg.	Not Computed	0.00%	Not Computed
220.60	(C)Cooking	Not Computed	0.00%	0 VA	620.14	(E)Elevators	Not Computed	0.00%	Not Computed	220.60	(C)Cooking	Not Computed	0.00%	0 VA	620.14	(E)Elevators	Not Computed	0.00%	Not Computed
220.60	(H)Heating	Not Computed	0.00%	0 VA	620.14	(W)What. Htr.	Not Computed	0.00%	Not Computed	220.60	(H)Heating	Not Computed	0.00%	0 VA	620.14	(W)What. Htr.	Not Computed	0.00%	Not Computed
220.60	(F)Frig.	Not Computed	0.00%	Not Computed	220.50	(MT)Lrg. Motor	Not Computed	0.00%	Not Computed	220.60	(F)Frig.	Not Computed	0.00%	Not Computed	220.50	(MT)Lrg. Motor	Not Computed	0.00%	Not Computed
	(M)Misc.	Not Computed	0.00%	Not Computed	630.11B	(SP)Sub Phn.	Not Computed	0.00%	Not Computed		(M)Misc.	Not Computed	0.00%	Not Computed	630.11B	(SP)Sub Phn.	Not Computed	0.00%	Not Computed
						(W)Welders	Not Computed	0.00%	Not Computed							(W)Welders	Not Computed	0.00%	Not Computed
Total Connected Load		151309 VA	VA =	182 A	Location of Panel:														
Total Load (Diversified):		151309 VA	VA =	182 A															

MECHANICAL GENERAL NOTES

- A. MECHANICAL DRAWINGS AND SPECIFICATIONS ARE DIAGRAMMATIC IN NATURE AND INTENDED TO DESCRIBE AND ILLUSTRATE SYSTEMS THAT WILL NOT INTERFERE WITH THE ARCHITECTURAL / STRUCTURAL CONDITIONS OF THE BUILDING AND WILL FIT INTO AVAILABLE SPACES. CONTRACTOR SHALL COORDINATE ALL WORK TO CONFORM TO THE ARCHITECTURAL, STRUCTURAL, FINISH CONDITIONS, EQUIPMENT MANUFACTURER / FIXTURE CUTSHEETS AND WITH OTHER TRADES, TO AVOID OBSTRUCTIONS, AND TO ALLOW THE PROPER INSTALLATION OF EACH ITEM. EQUIPMENT SIZES, DIMENSIONS, AND REQUIRED CONNECTIONS SHALL BE VERIFIED WITH THE MANUFACTURER'S DRAWINGS AND CUTSHEETS PRIOR TO FABRICATING OF DUCTWORK, PIPING, OR POURING OF CONCRETE HOUSEKEEPING FADS. CONTRACTOR SHALL OBTAIN ALL ARCHITECTURAL DRAWINGS AND STRUCTURAL DATA, LOCATIONS OF PIERS, BEAMS, COLUMNS, JOISTS, ETC., FROM STRUCTURAL DRAWINGS AND PROVIDE OFFSETS, RELOCATIONS, ETC., AS REQUIRED TO MEET THIS INTENT AT NO ADDITIONAL COST. PROVIDE ALL NECESSARY PIPING, DUCTWORK, FITTING, INSULATION, AND OTHER ACCESSORIES IN ORDER TO COMPLETE THE INSTALLATION.
- B. CONTRACTOR SHALL BE RESPONSIBLE TO EXAMINE ALL THE CONTRACT DOCUMENTS CAREFULLY BEFORE SUBMITTING THEIR BID, WITH PARTICULAR ATTENTION TO ERRORS, OMISSIONS, CONFLICTS WITH PROVISIONS OF LAWS AND CODES HAVING JURISDICTION, CONFLICTS BETWEEN DRAWINGS OR DRAWINGS AND SPECIFICATIONS, AND AMBIGUOUS DEFINITION OF THE EXTENT OF COVERAGE BETWEEN CONTRACTS. ANY SUCH DISCREPANCY SHALL BE BROUGHT IMMEDIATELY TO ATTENTION FOR CORRECTION. SHOULD ANY OF THESE ERRORS, OMISSIONS, CONFLICTS, OR AMBIGUITIES EXIST, THE CONTRACTOR SHALL HAVE THEM EXPLAINED AND AT THEIR EXPENSE, SUPPLY THE PROPER MATERIALS AND LABOR TO MAKE GOOD ANY DAMAGE OR DEFECTS IN THEIR WORK OR THE RESULTS OBTAINED THEREFORE. CAUSED BY SUCH DISCREPANCY, THE CONTRACTOR SHALL MAKE A CAREFUL EXAMINATION OF THE PREMISES AND THOROUGHLY FAMILIARIZE THEMSELV WITH THE REQUIREMENTS OF THE CONTRACT. UPON COMMENCEMENT OF THE CONSTRUCTION FOR THE WORK INCLUDED IN THIS CONTRACT, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH A STUDY OR EXAMINATION AND ACCEPTS ALL CONDITIONS.
- C. WHEREVER CONFLICTS OCCUR BETWEEN DIFFERENT PARTS OF THE CONTRACT DOCUMENTS (SUCH AS DRAWINGS AND SPECIFICATIONS), THE GREATER QUANTITY, THE BETTER QUALITY, THE LARGER SIZE, OR THE VALUE WITH THE GREATEST COST IMPACT SHALL PREVAIL UNLESS THE ARCHITECT INFORMS THE CONTRACTOR OTHERWISE IN WRITING. THIS INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING DATA: DIMENSIONS, GAUGE THICKNESS, TEMPERATURES, PRESSURE, BTUH, SCHEDULE / TIME DURATION, ELECTRICAL RATING, MATERIAL, SAFETY RATING, ENERGY EFFICIENCY, ETC.
- D. CONTRACTOR SHALL PROVIDE A MECHANICAL INSTALLATION THAT IS COMPLETE AND ALL ITEMS AND APPURTENANCES NECESSARY, REASONABLY INCIDENTAL, OR CUSTOMARILY INCLUDED, EVEN THOUGH EACH AND EVERY ITEM IS NOT SPECIFICALLY CALLED OUT OR SHOWN. THE CONTRACTOR SHALL PROVIDE ALL EQUIPMENT, MATERIALS, LABOR, SUPERVISION AND SERVICE NECESSARY SO AS TO PROVIDE A COMPLETE, FUNCTIONING MECHANICAL SYSTEM.
- E. ALL EQUIPMENT, PIPING, DUCTWORK, ETC. SHALL BE LOCATED APPROXIMATELY IN GENERAL LOCATIONS SHOWN AND SHALL CONFORM TO ALL ARCHITECTURAL AND STRUCTURAL CONDITIONS. PROVIDE ANY ADDITIONAL SUPPORTS, HANGERS, OPENINGS, ETC. AS REQUIRED FOR A COMPLETE INSTALLATION. EQUIPMENT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS ENSURING THAT ACCESS PANELS ARE NOT BLOCKED. EXPERIENCED CRAFTSMEN SHALL MAKE THE INSTALLATION IN A NEAT WORKMANSHIP-LIKE MANNER. EQUIPMENT SHALL BE AS SCHEDULED OR APPROVED EQUAL. EQUIPMENT SHALL BE INSTALLED IN FULL ACCORDANCE WITH ALL APPLICABLE CODES HAVING JURISDICTION, COORDINATE BETWEEN ALL TRADES PRIOR TO STARTING ANY WORK. PROVIDE ADEQUATE CLEARANCE FOR PROPER OPERATION, SERVICE/ MAINTENANCE, AIR FLOW, ETC. PIPING AND DUCTWORK ARE NOT PERMITTED IN ELECTRICAL, ELEVATOR MACHINE, TELECOM, IT, AND COMMUNICATION ROOMS. ALL ELEVATIONS INDICATED IN THIS WAY (S' - 4') ARE THE ELEVATIONS FROM THE FINISHED FLOOR DIRECTLY BELOW TO THE BOTTOM OF THE BARE PIPE OR DUCT.
- F. EXECUTE ALL WORK FOLLOWING LOCAL, STATE AND/OR NATIONAL CODES, ORDINANCES AND REGULATIONS GOVERNING THE PARTICULAR CLASS OF WORK INVOLVED. THE GOVERNING CODES ARE MINIMUM REQUIREMENTS. THE DRAWINGS AND/OR SPECIFICATIONS SHALL PREVAIL WHERE THE DRAWINGS ARE OR ACCOMPANYING SPECIFICATIONS EXCEED THE CODE REQUIREMENTS.
- G. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FILING AND PAYING ALL FEES AND OBTAINING NECESSARY PERMITS AND CERTIFICATES OF INSPECTION. THE CONTRACTOR SHALL DELIVER ALL CERTIFICATES OF INSPECTION TO OWNER/CONSTRUCTION MANAGER INCLUDING COPIES WITH MAINTENANCE MANUALS.
- H. CONTRACTOR SHALL PROVIDE DETAILED AND DIMENSIONED HVAC DUCTWORK AND PIPING FABRICATION SHOP DRAWINGS FOR APPROVAL BY THE ARCHITECT / ENGINEER. DURING THE INSTALLATIONS OF THE WORK, THE CONTRACTOR SHALL KEEP DETAILED RECORDS OF ANY AND ALL CHANGES MADE FROM THE WORK AS ACTUALLY INSTALLED. THESE RECORD DRAWINGS SHALL BE NOTED "AS-BUILT", AND SUBMITTED TO THE ARCHITECT / ENGINEER FOR REVIEW WITH ALL O&M MANUALS.
- I. PROPERLY SUPPORT ALL EQUIPMENT, DUCTWORK AND PIPING WITHIN THE BUILDING AND PROVIDE ADEQUATE PROVISIONS FOR SLOPE AND ANCHORAGE. CONTRACTOR SHALL USE HANGERS, ROOFS AND INSERTS LISTED BY UNDERWRITERS LABORATORIES FOR THE SERVICE INTENDED, SECURELY SUPPORTED BY STRUCTURAL MEMBERS WHICH IN TURN ARE SUPPORTED DIRECTLY FROM THE BUILDING STRUCTURE.
- J. CLEARANCE REQUIREMENTS BETWEEN MECHANICAL COMPONENTS AND SWITCHBOARDS, PANELBOARDS, POWER PANELS, MOTOR CONTROL CENTERS AND TRANSFORMERS SHALL CONFORM TO THE LATEST VERSION OF THE NATIONAL ELECTRICAL CODE.
- K. DUCTWORK AND PIPING SHALL BE INSTALLED CONCEALED ABOVE CEILINGS, INSIDES CHASES / WALLS, ETC. IN GENERAL LOCATIONS SHOWN, UNLESS NOTED OTHERWISE. CONFORM TO ALL ARCHITECTURAL, STRUCTURAL, AND FINISH CONDITIONS OF THE BUILDING. WHEREVER CONDITIONS ARISE WHICH WILL CAUSE NORMALLY CONCEALED MATERIALS TO BE EXPOSED, IMMEDIATELY CALL THE SITUATION TO THE ATTENTION OF THE ARCHITECT AND STOP WORK IN THOSE AREAS UNTIL THE ARCHITECT DIRECTS THE RESUMPTION OF THE WORK AND THE PROCEDURES TO BE FOLLOWED. ALL DUCTWORK, PIPING AND ASSOCIATED ACCESSORIES IN OCCUPIED AREAS THAT ARE EXPOSED TO VIEW SHALL BE PAINTED. REFER TO ARCHITECT FOR COLOR. DUCT SIZES SHOWN ON PLANS ARE CLEAR INSIDE DIMENSIONS. IN ANY CASE WHERE A PIPE OR DUCT SHOWN ON THE PLAN SHEET DIFFERS FROM THAT SHOWN IN A SCHEMATIC OR DETAIL, PROVIDE THE LARGER OF THE TWO SIZES SHOWN.
- L. SLOPE AND ARRANGE HVAC PIPING TO ESTABLISH HIGH POINTS FOR AIR ELIMINATION AND LOW POINTS TO PERMIT PROPER DRAINAGE. PROVIDE AIR VENTS AT HIGH POINTS AND DRAIN VALVES AT LOW POINTS. ALL PIPING SHOWN ON FLOOR PLANS SHALL BE ROUTED ABOVE THE CEILING ON THE FLOOR WHERE IT IS SHOWN, UNLESS OTHERWISE NOTED. ARRANGE PIPING CONNECTIONS TO ALL EQUIPMENT TO ALLOW EASY REMOVAL OF EQUIPMENT, COILS, FANS, MOTORS, FILTERS, ACCESS PANELS, ETC. PROVIDE UNIONS, FLANGES, AND VALVES AT CONNECTIONS. ALL EXTERIOR PIPING SHALL BE INSULATED AND JACKETED. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS. PIPING RAN/CUTS TO TERMINAL UNITS SHALL BE 3/4" UNLESS OTHERWISE NOTED. MINIMUM PIPE SIZE FOR THE PROJECT SHALL BE 3/4".
- M. WALL MOUNTED THERMOSTATS / HUMIDISTATS / SENSORS SHALL BE MOUNTED AT 42" A.F.F., APPROX. WHERE INDICATED ON PLANS, UNLESS OTHERWISE NOTED. SENSOR LOCATION SHALL BE MAX 12" FROM END OF WALL AND/OR DOOR JAMB. COORDINATE EXACT LOCATIONS WITH ARCHITECT, ELECTRICAL CONTRACTOR, AND BETWEEN OTHER TRADES PRIOR TO MOUNTING. DO NOT MOUNT ABOVE DAMPERS. THERMOSTATS ON EXTERIOR WALLS OR WALLS SEPARATING CONDITIONED SPACE FROM UNCONDITIONED SPACE SHALL BE INSULATED. THERMOSTATS / HUMIDISTATS / SENSORS SHALL NOT BE INSTALLED ON DECORATIVE WALLS.
- N. FIRE, SMOKE, AND FIRE/SMOKE DAMPERS SHALL BE INSTALLED AS INDICATED AND WHERE OTHERWISE REQUIRED BY LOCAL CODES AND ORDINANCES. REFER TO ARCHITECTURAL DRAWINGS / BUILDING CODE SUMMARY / LIFE SAFETY PLANS FOR LOCATIONS OF ALL FIRE RESISTANT / RATED WALLS, CEILINGS, CHASES, SHAFTS, SMOKE COMPARTMENTS, AND LOCATIONS OF EGRESS CORRIDORS. DAMPER SIZES INDICATED ARE CLEAR INSIDE, AIRSTREAM DIMENSIONS. PROVIDE MEANS TO ADEQUATELY SERVICE THE DAMPER'S FUSIBLE LINKS. PROVIDE 12" X 12" MINIMUM METAL ACCESS DOORS IN ALL GYPOBOARD AND PLASTER CEILINGS. INSTALL IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS AND UL LISTING FOR SERVICE INTENDED. PROVIDE METAL SLEEVES AS REQUIRED. PROVIDE ACCESS DOORS IN DUCTWORK AT ALL FIRE, SMOKE, AND PRESMOKE DAMPERS. ALL SMOKE AND FIRE/SMOKE DAMPERS REQUIRE INTEGRAL SMOKE DETECTORS AND SHALL BE INSTALLED BY THE MECHANICAL CONTRACTOR. IDENTIFY ACCESS DOORS IN ACCORDANCE WITH SPECIFICATIONS AND CODE.
- R. HVAC SYSTEMS SHALL BE INSTALLED COMPLETE WITH ALL BALANCING AND REGULATING DEVICES NECESSARY FOR THE TAB CONTRACTOR TO PERFORM THEIR WORK. COORDINATE WITH THE TAB CONTRACTOR TO DETERMINE THEIR EXACT REQUIREMENTS. ALL HVAC SYSTEMS SHALL BE STARTED PER MANUFACTURER'S START-UP INSTRUCTIONS. REPLACE FILTERS, BELTS, SHEAVES, DAMPERS, VALVES, STARTERS AND HEATERS AS NECESSARY PRIOR TO TAB.
- S. CONTRACTOR SHALL PROVIDE ALL TESTING, ADJUSTING, AND BALANCING WORK TO INCLUDE, BUT NOT LIMITED TO, ADJUSTMENT OF DAMPERS, BALANCE AIR DEVICES, VERIFY CORRECT SETPOINT AND CALIBRATION OF THERMOSTATS, VERIFY ALL SEQUENCE OF OPERATION, STAGING OF COOLING/ HEATING AS APPLICABLE, BALANCE OF CONDENSER AND HEATING WATER SYSTEMS, PUMPS, BOILERS, COOLING TOWERS, NOTE DEFICIENCIES IN MECHANICAL SYSTEM, ETC. FOR A CORRECTLY OPERATING MECHANICAL SYSTEM. CONTRACTOR SHALL REPLACE ALL FILTERS AND CLEAN ALL STRAINERS. TESTING AND BALANCING SUBCONTRACTOR MUST BE A MEMBER IN GOOD STANDING OF AABC AND SUBMIT REPORT ON AABC OR SMACNA FORMS FOR APPROVAL BY THE ENGINEER. PROVIDE A TEST AND BALANCE REPORT TO THE MECHANICAL INSPECTOR AT TIME OF HEATING FINAL INSPECTION. TAB CONTRACTOR SHALL COORDINATE WITH THE MECHANICAL CONTRACTOR TO LOCATE DP SENSORS IN PIPING FOR PUMPING SYSTEMS AND STATIC PRESSURE SENSORS IN DUCTWORK FOR FAN SYSTEMS.
- T. MECHANICAL CONTRACTOR SHALL COORDINATE WITH ELECTRICAL CONTRACTOR FOR ALL ELECTRICAL POWER REQUIREMENTS. CONTRACTOR SHALL ENSURE THE FURNISHING AND INSTALLATION OF ALL BRANCH ELECTRICAL CIRCUIT WIRING, CONDUITS, PROTECTIVE DEVICES, DISCONNECTS, AND ACCESSORIES FOR ALL ELECTRICAL CONTROL POWER WIRING TO INCLUDE, BUT NOT LIMITED TO, CONTROL PANELS, ACTUATORS, SMOKE DETECTORS, CONTROL / MOTORIZED DAMPER, PRESSURE MONITORS, FIRE/SMOKE DAMPERS, VARIABLE FREQUENCY DRIVES, VAV TERMINALS, (VAV TRANSFORMER) AND ALL OTHER 120V CONTROLS AS REQUIRED FOR A COMPLETE CONTROL SYSTEM WHETHER SHOWN TO BE PERFORMED BY OTHER OR NOT. ALL ELECTRICAL WORK SHALL BE INSTALLED IN FULL ACCORDANCE WITH REQUIREMENTS OF ELECTRICAL SPECIFICATIONS AND THE NATIONAL ELECTRICAL CODE.
- U. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION AND SIZE OF LOUVERS. BLANK OFF AREA OF LOUVER NOT USED FOR INTAKE OR EXHAUST. LOUVERS SHALL BE DRAINABLE STATIONARY TYPE AND SHALL BE AMCA 500A CERTIFIED. LOUVERS LOCATED IN HURRICANE-PRONE REGIONS SHALL BE AMCA 550 CERTIFIED. LOUVERS LOCATED IN WIND-BOURNE DEBRIS REGIONS WITHIN 30 FEET OF GRADE SHALL BE AMCA 540 CERTIFIED.
- V. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING FINISHES AND FURNISHINGS FROM DAMAGE DURING WORK.
- W. CONTRACTOR TO PROVIDE TEMPORARY SPACE CONDITIONING DURING ALL HVAC EQUIPMENT OUTAGES AND PRIOR TO HVAC EQUIPMENT START-UP.
- X. ALL PIPES, DUCTS, AND OTHER EQUIPMENT SHALL BE PROPERLY SUPPORTED BY GALVANIZED OR CADMIUM PLATED ANCHOR BOLTS, ALL THREAD ROOFS AND WASHERS, LOCK WASHERS OR DOUBLE NUTS, AND BOLTS.
- Y. INSTALLING CONTRACTOR SHALL STRICTLY ADHERE TO ANCHOR BOLT MANUFACTURER'S INSTALLATION RECOMMENDATIONS REGARDING PULL-OUT LOADS, ANCHOR DIAMETER AND DEPTH OF ANCHOR INSERTION FOR DRILLING THE ANCHOR POINT IN CONCRETE.
- Z. SUBMIT SUPPORT LOCATIONS AND LOADS OF PIPES GREATER THAN 6" DIAMETER TO STRUCTURAL ENGINEER FOR REVIEW.
- AA. POST-INSTALLED ANCHOR BOLTS ARE NOT PERMITTED TO BE INSTALLED IN THE SOFFIT OF BEAMS OR JOISTS.
- BB. POST-INSTALLED ANCHOR BOLTS INSTALLED ON THE SIDE OF BEAMS OR JOISTS SHALL BE LOCATED A MINIMUM OF 5" FROM BOTTOM OF THE BEAM OR JOIST.
- CC. NO PIPE HANGERS SHALL BE SPACED MORE THAN 10'-0" O.C. COMPLY WITH PIPE SPACING AS SPECIFIED IN THE PIPING SUPPORT SPECIFICATIONS.
- DD. ALL PIPING LOCATED INSIDE BUILDING SHALL BE SUPPORTED FROM THE STRUCTURE WITH SADDLE OR TRAPEZE HANGERS WITH ADJUSTABLE CLEVIS OR THREADED ROOFS.
- EE. COORDINATE LOCATIONS OF FLOOR AND WALL OPENINGS WITH ARCHITECT AND STRUCTURAL ENGINEER.
- FF. MECHANICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF ALL OUTSIDE AIR INTAKES TO MAINTAIN 15 FEET DISTANCE BETWEEN OUTSIDE AIR INTAKES AND ANY EXHAUST AIR OUTLET, FLUES OR PLUMBING VENTS.
- GG. MECHANICAL CONTRACTOR SHALL COORDINATE WITH PLUMBING CONTRACTOR FOR ALL CONDENSATE DRAIN PIPES CONNECTING TO A LAVATORY / SINK DRAIN TAIL PIECE.



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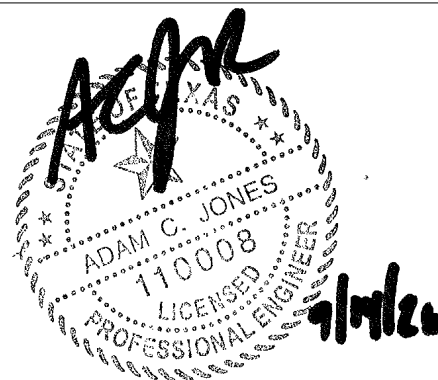
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Issued for Bid



ISSUED: SEPTEMBER 14, 2026

REVISIONS

Revision No. Revision Date

Project Director:

Project Architect:

Project Designer:

Drawn By: Author

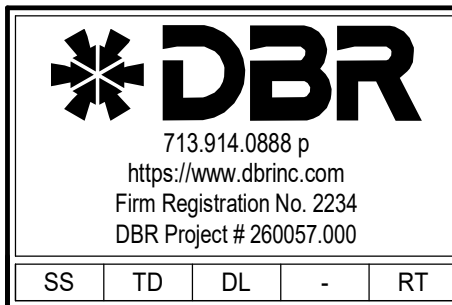
PROJECT NO.

25-0158.00

SHEET TITLE

MECHANICAL GENERAL NOTES

SHEET NO.



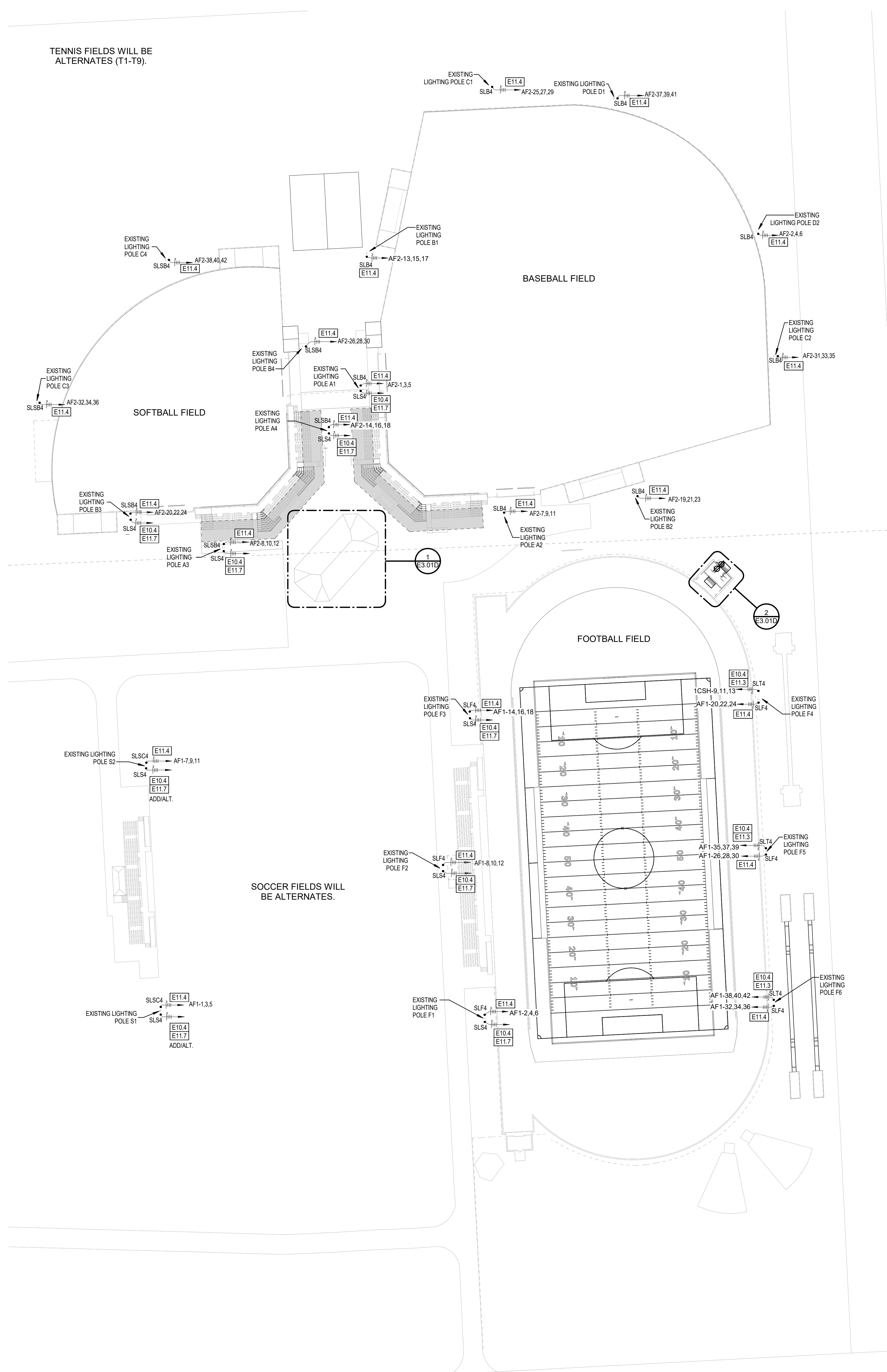
SS TO DL - RT

M0.11

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TOMBALL ISD
TOMBALL, TEXAS

Tomball Athletic Improvements



TENNIS FIELDS WILL BE ALTERNATES (T1-T9).

SOCCER FIELDS WILL BE ALTERNATES.

1 ELECTRICAL & MECHANICAL PLAN - TOMBALL MEMORIAL HS
1" = 50'-0"

GENERAL ELECTRICAL NOTE:
A. REFER TO SHEET E0.11 FOR ALL GENERAL ELECTRICAL NOTES.

ELECTRICAL KEYED NOTES

- E10.4 APPROXIMATE LOCATION OF EXISTING SPORTS LIGHT POLE. PROVIDE WITH NEW CONTACTOR/CONTROLLER. INTEGRATE EXISTING CONTROLLER WITH BAS. REFER TO MUSCO SPORTS LIGHTING NOTES FOR MORE INFORMATION.
- E11.3 APPROXIMATE LOCATION OF EXISTING SPORTS LIGHT POLE. PROVIDE A NEW SINGLE TRACK LIGHT ON EXISTING LIGHTING POLE. FACING LONG JUMP AND POLE VAULT TRACKS AND INTEGRATE TO MUSCO CONTROLS. PROVIDE NEW BRANCH CIRCUIT CONDUIT/WIRE. COORDINATE EXACT LOCATION AND ROUTING WITH EXISTING SITE CONDITIONS AND UTILITIES.
- E11.4 APPROXIMATE LOCATION OF EXISTING SPORTS LIGHT POLE. PROVIDE NEW SPORTS LIGHTING FIXTURES ON EXISTING POLE AND ASSOCIATED POWER AS INDICATED. EXTEND AND RECONNECT TO EXISTING BRANCH CIRCUIT. COORDINATE ALL LOCATIONS AND ROUTING WITH EXISTING SITE CONDITIONS AND UTILITIES.
- E11.7 APPROXIMATE LOCATION OF EXISTING SPORTS LIGHT POLE. PROVIDE NEW SECURITY LIGHTS ON EXISTING POLE AND ASSOCIATED POWER AND CONTROLS AS INDICATED. EXTEND AND RECONNECT TO EXISTING BRANCH CIRCUIT. COORDINATE ALL LOCATIONS AND ROUTING WITH EXISTING SITE CONDITIONS AND UTILITIES.



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STATE OF TEXAS

ISSUED: SEPTEMBER 14, 2026

REVISIONS

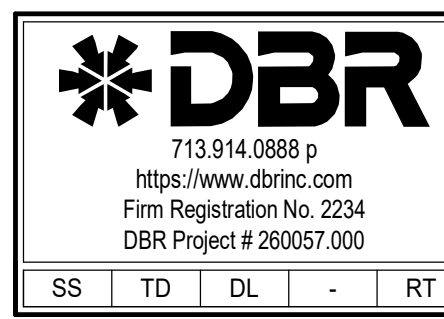
Revision No.	Revision Date
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Project Director:
Project Architect:
Project Designer:
Drawn By: DBR

PROJECT NO.
25-0158.00

SHEET TITLE
MECHANICAL/ELECTRICAL
SITE PLAN - TOMBALL
MEMORIAL HS

SHEET NO.



ME1.21D

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TOMBALL, TEXAS