364003 - TOMBALL I.S.D. BUS BARN PAVING & DETENTION

CONSTRUCTION PLANS
FOR

TOMBALL ISD
DESTINATION EXCELLENCE

1055 Baker Dr., Tomball, TX 77375
Harris County

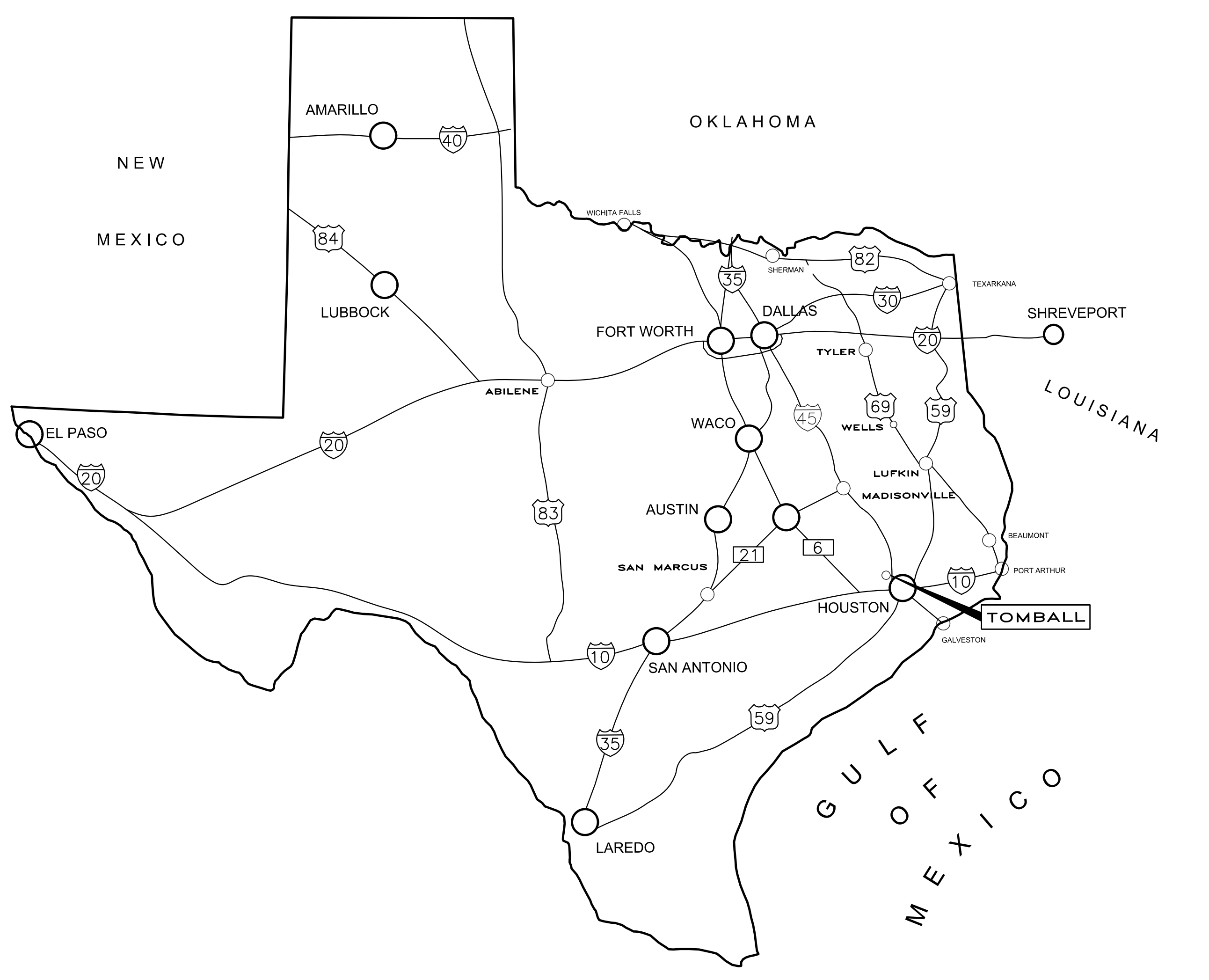
TOMBALL I.S.D.
BUS BARN PAVING & DETENTION

GLS JOB #364003
APRIL, 2026

Sheet List Table

Sheet #	Sheet Title
General	
-	Cover
C0.01	Project Notes & Information
Existing Conditions & Demolition Plan	
C1.00	Overall Site & Tree Clearing Plan
C1.01	Existing Conditions & Demolition Plan
C1.02	Existing Conditions & Demolition Plan
C1.03	Existing Conditions & Demolition Plan
C1.04	Existing Conditions & Demolition Plan
C1.05	Existing Conditions & Demolition Plan
C1.06	Existing Conditions & Demolition Plan
Site & Erosion Control Plan	
C2.00	Site and Erosion Control Plan
C2.01	Site and Erosion Control Plan
C2.02	Site and Erosion Control Plan
C2.03	Site and Erosion Control Plan
C2.04	Site and Erosion Control Plan
C2.05	Site and Erosion Control Plan
C2.06	Coordinate Table
Grading & Utility Plan	
C3.00	Grading & Utility Plan
C3.01	Grading & Utility Plan
C3.02	Grading & Utility Plan
C3.03	Grading & Utility Plan
C3.04	Grading & Utility Plan
C3.05	Grading & Utility Plan
Storm Sewer Profiles	
C4.00	Storm Sewer Profile
C4.01	Storm Sewer Profiles
Civil Details	
C5.00	Civil Paving Details
C5.01	Civil Drainage Details
C5.02	Civil Misc. Details

PROJECT LOCATION MAP



MICHAEL G. HOLMES
148750

Submitted: Michael Holmes
04/02/2026
Michael Holmes, P.E.
G.L.S.

PREPARED BY:

GLS
ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVEYING

1609 S. CHESTNUT ST. STE. 202 - LUFKIN, TEXAS 75901 - (936) 637-4900
4077 CROSS PARK DR. STE. 100 - BRYAN, TEXAS 77802 - (979) 776-9700
455 RICE ROAD STE. 107 - TYLER, TEXAS 75703 - (903) 581-3805
613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

364003 - TOMBALL I.S.D. BUS BARN PAVING & DETENTION

General Notes — 7

1. CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THESE SPECIFICATIONS/PLANS.
2. FOR THE PURPOSE OF THESE CIVIL PLANS, "THE DISTRICT" IS REFERRING TOMBALL I.S.D.
3. CONTRACTOR SHALL VISIT THE CONSTRUCTION LOCATION AND FAMILIARIZE THEMSELVES WITH THE WORKING CONDITIONS (TRAFFIC, DEMOLITION WORK, PROPOSED/EXISTING UTILITIES, PAVING & DRAINAGE) OF THE SITE BEFORE BIDDING.
4. CONTRACTOR IS TO DETERMINE ALL QUANTITIES OF WORK PRIOR TO BIDDING TO PROVIDE A COMPLETE AND APPROVED PROJECT TO TOMBALL ISD.
5. THE CONTRACTOR IS REQUIRED TO ATTEND A PRE-CONSTRUCTION MEETING WITH TOMBALL ISD AND DESIGN TEAM PRIOR TO STARTING WORK. NO WORK IS TO BE PERFORMED UNTIL THIS MEETING IS COMPLETED AND A WRITTEN NOTICE TO PROCEED IS ISSUED BY TOMBALL ISD OR PROJECT ENGINEER TO THE CONTRACTOR. MONTHLY CONSTRUCTION MEETINGS ON SITE DURING CONSTRUCTION ARE ALSO TO BE SCHEDULED WITH TOMBALL ISD & PROJECT ENGINEER.
6. IN THE ABSENCE OF SPECIFIC REQUIREMENTS FOR ANY WORK, CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER FOR DIRECTION. CONTRACTORS ARE NOT TO PROCEED WITH ANY WORK WITHOUT PROPER AUTHORIZATION OF THE PROJECT ENGINEER. PROCEEDING WITHOUT PROPER DIRECTION FROM THE PROJECT ENGINEER WILL BE AT THE CONTRACTORS SOLE RISK.
7. CONTRACTOR TO MAINTAIN SITE IN "FIRST CLASS" NEAT CONDITION. WORK SITE SHALL BE CLEANED UP AT END OF EACH DAY BY REMOVAL OF ANY TRASH AND/OR CONSTRUCTION DEBRIS. TOMBALL ISD WILL HAVE FINAL DECISION ON ACCEPTABLE "NEAT" CONDITIONS.
8. CONTRACTOR SHALL COORDINATE A STATUS OF CONSTRUCTION SEQUENCE OR REQUEST PROPOSED CHANGES IN CONSTRUCTION SEQUENCE. CONSTRUCTION SEQUENCE IS PROVIDED WITHIN CONSTRUCTION PLANS. FINAL DECISION WILL BE MADE BY TOMBALL ISD TO ALTER SCHEDULE. FOR BIDDING PURPOSES, THE CONSTRUCTION SEQUENCE WITHIN THE PLANS ARE TO BE FOLLOWED. CONTRACTOR SHALL PREPARE SEQUENCING PLAN AT THE TIME OF PRE-CONSTRUCTION MEETING AND WILL PRESENT TO THE DISTRICT & PROJECT MANAGER FOR APPROVAL.
9. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UTILITIES, AND SERVICE LINES PRIOR TO EXCAVATING FOR UTILITY PLACEMENT. LOCATING METHODS INCLUDE, BUT ARE NOT LIMITED TO: LOCATING SERVICES, "POT HOLING" WITH WATER, SPOT DIGGING, ETC. COSTS FOR VERIFICATION OF EXISTING UTILITIES, AND TIE-IN LOCATIONS ARE TO BE INCLUDED IN BID. THE EXISTING LINES SHOWN ARE APPROXIMATE, BASED ON UTILITY MARKINGS AND CITY'S / DISTRICT'S INFORMATION.
10. CONTRACTOR TO PROTECT EXISTING UTILITIES, MAIL BOXES, PAVEMENT, TRASH CANS, AND ALL ITEMS TO REMAIN FROM DAMAGE DURING CONSTRUCTION. CONTRACTOR SHALL REPAIR ALL DAMAGES RESULTING FROM THEIR ACTIVITIES. COSTS FOR REPAIRS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
11. CONTRACTOR IS RESPONSIBLE FOR LOCATING UNKNOWN UTILITIES AS ENCOUNTERED IN CONSTRUCTION. CONFLICTS WILL NOT BE REASON FOR CONTRACTOR TO CLAIM A DELAY OR ADDITIONAL COST ON THE PROJECT. CONTRACTOR SHALL ALERT THE PROJECT MANAGER IMMEDIATELY.
12. CONTRACTOR TO COORDINATE WORK WITH THE FOLLOWING UTILITY COMPANIES, AGENCIES, AND THE CITY:
    WATER & SEWER . . . . CITY OF TOMBALL . . . . (281) 290-1400
    GAS . . . . EXXON MOBIL . . . . (800) 537-5200
    ELECTRICAL . . . . CENTER POINT ENERGY. . . . . (281) 773-6020
    TEXAS ONE CALL SYSTEM. . . . . (800) 245-4545
13. CONTRACTOR TO CONTACT UTILITY & PIPELINE COMPANIES FORTY-EIGHT (48) HOURS IN ADVANCE OF WORK IN THE VICINITY OF THEIR LINES. TEXAS ONE CALL SYSTEM IS REQUIRED WITH TICKET NUMBER.
14. CONTRACTOR TO MAINTAIN CLEARANCE OF ALL EXISTING UTILITIES AS REQUIRED BY THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ) AND THESE PLANS.
15. REMOVE AND DISPOSE OF ALL MATERIALS AND STRUCTURES THAT ARE TO BE DEMOLISHED AND NOT NOTED FOR SALVAGE IN AN APPROVED CONTRACTOR DISPOSAL AREA.
16. CONTRACTOR IS RESPONSIBLE FOR PREPARING, IMPLEMENTING AND MAINTAINING A TRAFFIC HANDLING PLAN. PROVIDE PROPER SIGNING FOR CONSTRUCTION, SAFETY, AND ROUTING OF TRAFFIC AT ALL TIMES DURING CONSTRUCTION. PLAN IS TO BE APPROVED BY DISTRICT. ANY DEVIATIONS FROM THIS PLAN ARE TO BE APPROVED BY THE DISTRICT. POSITIONING AND CONTENT OF SIGNS, BARRICADES AND FLAGGING SHALL BE IN ACCORDANCE WITH THE CURRENT TEXAS MUTCD. CONTRACTOR SHALL CHECK TRAFFIC CONTROL SIGNAGE DAILY. TRAFFIC PLAN, CONTROL & HANDLING TO BE INCLUDED IN BID.
17. CONTRACTOR TO PROVIDE BARRICADES, SIGNS, AND LIGHTING AROUND ALL OPEN CUTS ALONG DRIVES AND STREETS IN ACCORDANCE WITH THE TEXAS MUTCD.
18. CONTRACTOR TO MAINTAIN ACCESS TO ALL EXISTING SCHOOL FACILITIES DURING CONSTRUCTION. DRIVE-WAYS & DOORWAY THRESHOLDS SHALL NOT BE IMPASSABLE OVERNIGHT. CONTRACTOR SHALL NOTIFY THE DISTRICT IN ADVANCE OF DISRUPTION OF SERVICE BY CONSTRUCTION. COORDINATE DISRUPTIONS W/ PROJECT MANAGER.
19. A FIELD SET OF AS-BUILT DRAWINGS SHOULD BE MAINTAINED BY THE CONTRACTOR FOR TRANSFER TO PERMANENT RECORD DRAWINGS. THESE DRAWINGS SHOULD INCLUDE MEASUREMENTS FROM EACH UNIT INSTALLED TO TWO PERMANENT OBJECTS. UTILITY SERVICE LOCATIONS SHOULD ALSO BE DOCUMENTED. PROJECT WILL NOT BE CLOSED OUT UNTIL CONTRACTOR HAS PROVIDED THESE FIELD SET(S) TO THE DISTRICT.
20. CONTRACTOR TO STORE MATERIALS AT LOCATION(S) APPROVED BY & COORDINATED WITH THE DISTRICT. EQUIPMENT IS TO BE STORED OVERNIGHT AT LOCATIONS SO AS NOT TO BLOCK STREETS, DRIVES, OR DRAINAGE. MATERIALS ARE TO BE PROTECTED FROM DAMAGE BY THE ELEMENTS. THE DISTRICT AND CONSULTING ENGINEER ARE NOT RESPONSIBLE FOR THEFT OR VANDALISM.
21. CONTRACTOR TO MAINTAIN ADEQUATE SITE DRAINAGE FACILITIES AS REQUIRED DURING CONSTRUCTION. PROTECT EXCAVATIONS FROM FLOODING DUE TO GROUNDWATER INFILTRATION AND RUN-OFF. INSURE THAT NO DRAINAGE ON OR OFF THE SITE IS BLOCKED BY PROPOSED CONSTRUCTION. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO ENSURE THAT NO SILT OR DEBRIS LEAVES THE PROJECT AREA OR GETS INTO THE NEW STORM SEWER SYSTEM.
22. CONSTRUCTION AREAS ARE TO BE CLEARED/GRUBBED COMPLETELY OF TREES, BRUSH, STUMPS, ROOTS, PIPES, PAVEMENT AND ALL MATERIALS RESULTING FROM DEMOLITION AND CONSTRUCTION UNLESS NOTED OTHERWISE. COST OF CLEARING TO COMPLETE ALL IMPROVEMENTS TO BE INCLUDED IN BID. **A COPY OF THE GEOTECHNICAL INVESTIGATION IS INCLUDED IN THE BID DOCUMENTS.** SITE SUB-CONTRACTOR SHALL ALSO BE THE CLEARING SUB-CONTRACTOR, DISTRICT WILL NOT PAY FOR ADDITIONAL WORK FOR SITE CONSTRUCTION AS A RESULT OF CLEARING AND GRUBBING OPERATIONS.
23. CONTRACTOR TO BE RESPONSIBLE FOR EROSION CONTROL DURING AND AFTER CONSTRUCTION. CONTRACTOR SHALL INSTALL EROSION AND SILT CONTROL MEASURES AS REQUIRED DURING CONSTRUCTION AND SHALL REMOVE TEMPORARY MEASURES WHEN PERMANENT COVER IS ESTABLISHED. CONTRACTOR SHALL CLEAN SILT OUT OF SILT FENCE OR REPLACE SILT FENCE/EROSION CONTROL AS NEEDED TO ENSURE NO SILT/DEBRIS LEAVES THE PROJECT AREA. CONTRACTOR WILL BE REQUIRED TO REMOVE SILT FROM CONSTRUCTION ACTIVITIES THAT LEAVES THE PROJECT AREA AT THE CONTRACTORS EXPENSE.
24. CONTRACTOR IS RESPONSIBLE FOR O.S.H.A. ESTABLISHED TRENCH SAFETY AS DESCRIBED IN THE FEDERAL REGISTER 29 CFR PART 1926. A TRENCH SAFETY PLAN SHOULD BE PREPARED AND A "COMPETENT PERSON" APPOINTED PRIOR TO ANY AND ALL EXCAVATING OPERATIONS EXCEEDING 5' DEPTH. THE PLAN IS TO BE PREPARED AND SEALED BY A REGISTERED TEXAS PROFESSIONAL ENGINEER AND SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO ANY EXCAVATION ON THE PROJECT. INCLUDE PLAN WITH PROJECT SUBMITTALS.
25. EXISTING GRADES SHALL BE RE-ATTAINED AND PROPOSED GRADES SHALL BE ATTAINED BY SHAPING BACKFILL MATERIAL BY CUT AND FILL OPERATIONS. FILL OPERATIONS ARE TO BE ACCOMPLISHED BY PLACING MATERIAL IN 6-INCH (LOOSE MEASURE) LIFTS AND COMPACTED TO 98% DENSITY AS DETERMINED BY ASTM D698 (STANDARD PROCTOR), OR AS NOTED IN DETAILS. CONTRACTORS (BIDDERS) ARE TO PERFORM THEIR OWN QUANTITIES DETERMINATION PRIOR TO BIDDING. ALL EARTHWORK TO BE INCLUDED IN THE BID.
26. FINISHED GRADES OF NATURAL GROUND, SOD, PAVEMENT, ETC. TO BE SLOPED TO PROVIDE PROPER DRAINAGE.
27. **SELECT BORROW MATERIAL SHALL HAVE A PLASTICITY INDEX (PI) OF 8 TO 20.**
28. CONTRACTORS ARE TO COORDINATE THE HOLDING/SUPPORT OF UTILITY POLES WITH RESPECTIVE OWNERS WHERE NECESSARY TO FACILITATE CONSTRUCTION. ALL COORDINATION WITH UTILITY COMPANIES IS TO BE INCLUDED WITH BID ITEMS FOR WORK TO BE PERFORMED.
29. CULVERTS, DRIVEWAYS, SIDEWALKS, SIGNS, MAILBOXES, AND ALL EXISTING ITEMS THAT ARE DISTURBED/DAMAGED BY CONSTRUCTION THAT ARE NOT SPECIFIED FOR REMOVAL/REPLACEMENT ARE TO BE RESET/REPLACED AT NO ADDITIONAL COST.
30. ON CROSSING OF PAVED ROADS AND DRIVES WHERE TYPE OF CONSTRUCTION IS NOT OTHERWISE INDICATED. THE CONTRACTOR SHALL BORE IN LIEU OF OPEN-CUT AND PAVEMENT REPLACED. CONTRACTOR TO MAINTAIN ACCESS TO ALL DRIVEWAYS. DRIVEWAYS SHALL NOT BE IMPASSABLE OVERNIGHT. DIRT OR GRAVEL DRIVES MAY BE OPEN CUT PROVIDED THEY ARE BACK FILLED AS DETAILED.
31. SOLID SOD TO BE INSTALLED AT ALL LOCATIONS AS SHOWN ON PLANS. REFER TO LANDSCAPING PLANS FOR AREAS TO BE SOLID SODDED. SOIL REINFORCEMENT TO BE PLACED AT ALL AREAS INDICATED ON THE PLANS. ALL OTHER EARTHEN AREAS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REGRADED, HYDROMULCHED, AND FERTILIZED. THIS WORK SHALL BE DONE AS OUTLINED IN THE SPECIFICATION. THIS WORK IS SUBSIDIARY TO SITE RESTORATION COSTS.
32. EXISTING ELECTRICAL POLES AND WIRES TO BE REMOVED AND DISPOSED OF BY ELECTRICAL PROVIDER PERSONNEL AND/OR THEIR CONTRACTOR. ELECTRICAL PROVIDER PERSONNEL AND/OR THEIR CONTRACTOR SHALL BACKFILL THE HOLES FROM REMOVING THE UTILITY POLE.
33. ITEMS ASSOCIATED WITH GAS SYSTEM ARE TO BE COORDINATED W/ GAS SYSTEM OWNER. GAS FACILITY OWNER WILL BE NOTIFIED TO ADDRESS THE CONFLICT.
34. UNDERGROUND ELECTRIC (UGE) MAY BE IN PROJECT AREA. CONTRACTOR TO HAVE UGE PRECISELY LOCATED, INCLUDING DEPTH, PRIOR TO EXCAVATION BEGINNING.
35. ITEMS ASSOCIATED WITH UNDERGROUND ELECTRIC & ANY ELECTRIC LINES ARE TO REMAIN UNLESS OTHERWISE NOTED. UNDERGROUND ELECTRIC PROVIDER ARE TO BE NOTIFIED TO ADDRESS ALL CONFLICTS WITH THEIR UTILITIES.
36. VERIFY LOCATION AND GRADE OF STORM SEWER OUTFALLS AND TIE-INS PRIOR TO CONSTRUCTION OF UPSTREAM IMPROVEMENTS.
37. CONTRACTOR TO MAINTAIN STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON SITE. BEST MANAGEMENT PRACTICES TO BE USED INCLUDING BUT NOT LIMITED TO ROCK FILTER DAMS, HAY BALES, INLET PROTECTION, SILT FENCES, ETC.
38. STORM SEWER INLETS SHALL BE CAST IN PLACE OR PRECAST. CONTRACTOR SHALL VERIFY ALL ELEVATIONS PRIOR TO ORDERING PRECAST STORM SEWER INLETS. OWNER WILL NOT PAY FOR ADJUSTMENTS OR RE-STOCKING FEES.
39. CONTRACTOR TO COORDINATE WITH TRASH COLLECTOR TO ENSURE CONTINUING SERVICE DURING CONSTRUCTION.
40. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING SANITARY SEWER TIE-IN (DEPTH & LOCATION) PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES TO PROJECT ENGINEER.

General Notes Continued — 6

41. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PAVEMENT TIE-IN ELEVATIONS PRIOR TO CONSTRUCTION. REPORT DISCREPANCIES TO PROJECT ENGINEER.
42. EXISTING FENCES SHALL BE RELOCATED OR REPLACED AS NOTED ON THE PLANS.
43. CONTRACTOR SHALL PROTECT ALL UNDERGROUND PIPING DURING CONSTRUCTION AS REQUIRED BY MANUFACTURER FOR WARRANTY OF MATERIAL. TEMPORARY MEASURES (PLACEMENT & REMOVAL) FOR SUFFICIENT COVERAGE OF ALL PIPES DURING CONSTRUCTION SHALL BE INCLUDED IN BID.
44. CONTRACTOR AND HIS SUPPLIER TO SUPPLY & INSTALL FITTINGS AS DESIGNED. ANY ADDITIONAL FITTINGS REQUIRED BUT NOT NOTED ON PLANS BUT NECESSARY FOR CONSTRUCTION WILL BE CONSIDERED SUBSIDIARY. CONTRACTOR TO MAKE THEIR OWN DETERMINATION FOR SUBSIDIARY ITEMS. COST TO BE INCLUDED IN PIPE BIDS.
45. CONTRACTOR IS TO COORDINATE BACKFILLING OF ALL ITEMS TO BE CONSTRUCTED WITH THESE PLANS AND SPECIFICATIONS. ALL UTILITIES TO BE TESTED IN ACCORDANCE WITH PROJECT SPECIFICATIONS. TESTS TO BE COORDINATED WITH & WITNESSED BY THE DIRECTOR OF MAINTENANCE.
46. EMBEDMENT REQUIREMENTS NOTED ON THESE PLANS ARE TO BE STRICTLY ADHERED TO.
47. STORM SEWER MATERIAL SHALL BE REINFORCED CONCRETE PIPE (RCP) OR HIGH DENSITY POLYETHYLENE CORRUGATED PIPE (HDPE) AS NOTED ON PLANS. CONCRETE PIPE SHALL BE PER ASTM C76, WALL B, CLASS III AND/OR CLASS IV, RUBBER GASKETED JOINT MEETING ASTM C443. HDPE PIPE SHALL BE PER AASHTO M252 (4"-10"), AASHTO M294 (12"-60") AND ASTM F2306 (12"-60") TYPE S, WITH A WATER TIGHT REINFORCED INTEGRAL BELL AND SPIGOT FOR RUBBER GASKETED JOINTS MEETING ASTM D2321 (ADS N-12, WT WATER TIGHT). BACK FILL OF HDPE SHALL BE CEMENT STABILIZED SAND.
48. ALL NECESSARY ADJUSTMENTS TO UTILITY RELATED ITEMS (IE: WATER METERS, VALVE BOXES, GAS METERS, VALVE BOXES, MONITORING WELLS, MANHOLES, ETC.) ARE TO BE SUBSIDIARY. COSTS TO BE INCLUDED IN BID.
49. VERIFY LOCATION AND GRADE OF STORM SEWER TIE-INS PRIOR TO CONSTRUCTION TO ENSURE NO CONFLICTS WITH OTHER UTILITIES & PROPOSED DRAINAGE SYSTEM. REPORT ELEVATIONS OF ALL TIE-IN LOCATIONS TO THE ENGINEER.
50. THE UNADJUSTED CUT / FILL TO TOP OF PAVEMENT= 15,150 CUBIC YARDS (CUT) / 24,755 CUBIC YARDS (FILL). NET CHANGE 9,605 CUBIC YARDS (FILL). CONTRACTOR TO APPLY SHRINK / SWELL FACTORS & REMOVE PAVEMENT VOLUME.

Paving Notes — 5

1. SUBGRADE SHALL BE PREPARED WITH A MINIMUM 6" THICKNESS, STABILIZED WITH LIME (6%, BY WEIGHT) PER THESE SPECIFICATIONS/PLANS, AND COMPACTED TO A MINIMUM OF 98% STANDARD EFFORT. REFERENCE GEOTECHNICAL REPORT FOR ADDITIONAL APPLICABLE STABILIZATION REQUIREMENTS.
2. ASPHALT DESIGN SHALL CONFORM TO TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES (LATEST EDITION).
3. CONCRETE DESIGN, MATERIALS, AND WORKMANSHIP TO CONFORM TO THE CURRENT EDITION OF THE FOLLOWING STANDARDS UNLESS OTHERWISE MODIFIED ON THE DRAWINGS IN THE SPECIFICATIONS:
    ACI 318-02 "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE"
    ACI 315-99 "DETAILS AND DETAILING OF CONCRETE REINFORCEMENT"
    TXDOT STANDARD SPECIFICATION FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES (LATEST EDITION)
4. MATERIALS TO BE AS FOLLOWS:
    ASPHALT - TYPE D ASPHALT SURFACE COURSE
    CONCRETE - 28-DAY COMPRESSIVE STRENGTH = 3,500 PSI
    REINFORCING STEEL - ASTM A615, GRADE 60
5. THE FOLLOWING CONCRETE COVER SHALL BE PROVIDED FOR REINFORCING STEEL, UNLESS OTHERWISE SHOWN:
    3" - CONCRETE CAST DIRECTLY AGAINST THE GROUND
    2" - FORMED SURFACES OR TOP OF FINISHED SURFACES
6. LAP REINFORCING STEEL IN ACCORDANCE WITH ACI 318-02 (CLASS B). ALL DOWELS SHOULD BE PLACED STRAIGHT IN CONCRETE (NO BENDING) BY USING A DOWEL BASKET, ETC.
7. PAVING CONSTRUCTION IS NOT TO PROCEED UNTIL UTILITY CONSTRUCTION IS SUCCESSFULLY TESTED, NEW SYSTEM IS OPERATING.
8. EXCESS DIRT FROM EXCAVATION SHALL BE DISPOSED OF BY THE CONTRACTOR. CONTRACTOR MAY RETAIN DEMOLISHED PAVEMENT, IF DESIRED. CONTRACTOR SHALL REMOVE/DISPOSE OF ALL DEMOLISHED PAVEMENT FROM SITE.
9. ROAD CONSTRUCTION SHALL BE ACCOMPLISHED IN ACCORDANCE WITH THE RULES AND REGULATIONS OF THE TEXAS DEPARTMENT OF TRANSPORTATION (TXDOT STANDARDS WHERE APPLICABLE) AND THESE SPECIFICATIONS/PLANS.
10. PAVEMENT TIE-INS TO EXISTING PAVEMENT TO BE SUBSIDIARY TO THE PERTINENT BID ITEMS, SHALL BE SLOPED TO MATCH ADA AND PROJECT SPECIFICATIONS, AND SLOPED TO ENSURE PROPER DRAINAGE.
11. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING PAVEMENT TIE-IN ELEVATIONS PRIOR TO CONSTRUCTION TO ENSURE THAT TRANSITION FROM EXISTING TO NEW PAVEMENT IS FLUSH AND SMOOTH. CONTRACTOR SHALL REPORT DISCREPANCIES WITH TIE-IN ELEVATIONS TO PROJECT ENGINEER PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL NOT PROCEED WITHOUT DIRECTION TO RESOLVE THE DISCREPANCIES FROM THE PROJECT ENGINEER. IF THE CONTRACTOR CONSTRUCTS THE NEW PAVEMENT WITHOUT DIRECTION FROM THE PROJECT ENGINEER AND THE PAVEMENT IS OUT OF COMPLIANCE, THE CONTRACTOR SHALL REMOVE AND REPLACE THE PAVEMENT REQUIRED TO MAKE THE NEW PAVEMENT COMPLIANT AT THE CONTRACTOR'S EXPENSE.
12. COORDINATE CONSTRUCTION CLOSELY WITH DISTRICT REPRESENTATIVE AND PROJECT ENGINEER TO ASSURE THAT THERE ARE NO CONFLICTS BETWEEN GRADING, DRAINAGE AND PAVING IMPROVEMENTS.
13. PROPOSED PAVEMENT ELEVATIONS SHOWN ARE TOP OF FINISHED PAVEMENT (P), OR CURB (T) AS NOTED. PROPOSED FLOWLINE ELEVATIONS ARE NOTED (FL). PROPOSED TOP OF WALL ELEVATION ARE NOTED (TW).
14. PROVIDE EXPANSION JOINTS AND CONTROL JOINTS IN ACCORDANCE WITH CONSTRUCTION PLANS, SPECIFICATIONS AND DETAILS. CURB AND GUTTER SHALL HAVE 1/2" PREMOLDED OR 3/4" REDWOOD OR CYPRESS EXPANSION JOINT AS DETAILED (UNLESS NOTED OTHERWISE) AND SHALL HAVE GROOVED CONTROL JOINTS AS DETAILED. ALL JOINTS WILL BE SEALED IN ACCORDANCE W/ TECHNICAL SPECIFICATIONS. EXPANSION JOINTS FOR CURB AND GUTTER SHALL MATCH EXPANSION JOINTS IN STREET.
15. ALL FORMS MUST BE WELL STAKED AND THOROUGHLY BRACED SO THAT TAMPING OF MATERIALS WILL NOT DISTURB THEM OR MOVE THEM OUT OF LINE. CHAIRS ARE REQUIRED TO HOLD REINFORCEMENT IN PLACE. ROCKS, BRICKS OR OTHER FOREIGN MATERIAL IS PROHIBITED.
16. CARE MUST BE TAKEN THAT THE CURB AND GUTTER SHALL NOT SHOW TROWEL MARKS, HIGH SPOTS, SAGS OR HORIZONTAL DEFLECTIONS. ANY SECTION SHOWING SAME AFTER BEING FINISHED WILL NOT BE ACCEPTED BY THE DISTRICT AND MUST BE REPLACED BY THE CONTRACTOR. OTHER CONCRETE IMPERFECTIONS ON ROADWAY, SIDEWALK, & OTHER STRUCTURES ARE TO BE HANDLED IN SIMILAR FASHION TO ENSURE HIGH QUALITY.
17. THE COMPLETED CONCRETE PAVEMENT SHALL BE CURED BY A METHOD APPROVED BY THESE SPECIFICATIONS. LIQUID MEMBRANE CURING COMPOUND WHICH COMPLIES WITH THE "STANDARD SPECIFICATIONS FOR LIQUID MEMBRANE FORMING COMPOUNDS FOR CURING CONCRETE", ASTM C309 TYPE 2 WHITE PIGMENTED MAY BE USED.
18. TRAFFIC PAINT SHALL BE APPLIED ONLY AFTER PAVEMENT HAS BEEN PRIMED AND THOROUGHLY CLEANED PER TECHNICAL SPECIFICATIONS AT TIME OF APPLICATION TO REMOVE CURING COMPOUND. CONTRACTOR TO CONFIRM THERE ARE NO ISSUES W/ PAVING NOTE #16 PRIOR TO PAINTING/STRIPING.

Utility Locate Service — N.T.S. — 4

Bench Mark/Control Point List — 3

Project Control List

NO.	DESCRIPTION	ELEV./COORD.
1	"X" IN CONCRETE ON THE SOTUWESTERN CORNER OF THE INTERSECTION OF QUINN ROAD AND DOVE TRAIL APPROXIMATELY 54' IN A WESTERLY DIRECTION FROM A GAS VALVE LOCATED ON THE EASTSIDE OF QUINN ROAD, AND APPROXIMATELY 53' IN A NORTHWESTERLY DIRECTION FROM A PEDESTRIAN CROSSING SIGN LOCATED ON THE EASTSIDE OF QUINN ROAD.	ELEV: 196.579' N: 13964595.5490 E: 3034231.3120
2	"X" CUT IN CURB LOCATED ON THE WEST SIDE OF THE BUS BARN WORKSHOP LOCATED APPROXIMATELY 93' IN A WESTERLY DIRECTION FROM THE NORTHWEST CORNER OF THE WORKSHOP, AND APPROXIMATELY 97' IN A SOUTHEASTERLY DIRECTION FROM NORTHWEST FENCE CORNER LOCATED ALONG QUINN ROAD.	ELEV: 196.289' N: 13965535.6390 E: 3034346.5590
3	"X" CUT IN CONCRETE LOCATED ON THE EAST SIDE OF THE BUS BARN WORKSHOP IN A CONCRETE ISLAND APPROXIMATELY 258' IN A EASTERLY DIRECTION FROM THE NORTH EAST CORNER OF THE WORKSHOP, AND APPROXIMATELY 21' IN A NORTHERLY DIRECTION FROM A SANITARY SEWER MANHOLE LOCATED IN THE EAST SIDE PARKING LOT.	ELEV: 195.177' N: 13965582.8150 E: 3034859.2060
4	"X" IN CONCRETE ON THE SOUTH SIDE OF THE BUS BARN WORKSHOP APPROXIMATELY 139' IN A SOUTHEASTERLY DIRECTION FROM THE SOUTHEAST CORNER OF THE WORKSHOP BUILDING CORNER, AND APPROXIMATELY 8' IN A NORTHWESTERLY DIRECTION FROM THE CURB INLET MANHOLE LOCATED SOUTHEAST FROM THE BUS BARN WORKSHOP.	ELEV: 391.49 N: 10524062.3900 E: 3623561.2320

Bench Mark List

NO.	DESCRIPTION	ELEV./COORD.
1	TOMBALL ISD ALUMINUM DISC IN CONCRETE LOCATED ON THE NORTH WEST SIDE OF THE BUS BARN WORKSHOP APPROXIMATELY 140' IN A NORTHWESTERLY DIRECTION FROM THE NORTHWEST CORNER OF THE WORKSHOP, AND APPROXIMATELY 37' IN A SOUTHEASTERLY DIRECTION FROM NORTHWEST CHAIN LINK FENCE CORNER ALONG QUINN ROAD.	ELEV: 197.73 N: 13965586.0400 E: 3034307.8930
2	TOMBALL ISD ALUMINUM DISC IN CONCRETE LOCATED ON THE SOUTHWEST SIDE OF THE BUS BARN PARKING LOT APPROXIMATELY 353' IN A SOUTHWESTERLY DIRECTION FROM THE FUEL STORAGE TANKS, AND APPROXIMATELY 102' IN A NORTHWESTERLY DIRECTION FROM A LIGHT POLE LOCATED ON THE OUTSIDE OF THE SOUTHWEST END OF THE BUS BARN PARKING LOT.	ELEV: 197.02 N: 13965008.7000 E: 3034359.6640
3	TOMBALL ISD ALUMINUM DISC IN CONCRETE LOCATED ON THE SOUTHEAST SIDE OF THE BUS BARN PARKING LOT APPROXIMATELY 265' IN A SOUTHEASTERLY DIRECTION FROM THE 24" RCP AT THE SOUTH EAST END OF THE BUS BARN PARKING LOT, AND APPROXIMATELY 220' IN A SOUTHEASTERLY DIRECTION FROM THE STORM DRAIN MANHOLE LOCATED ON THE OUTSIDE OF THE SOUTHEAST END OF THE BUS BARN PARKING LOT.	ELEV: 194.42 N: 13964823.4200 E: 3035059.9390
4	TOMBALL ISD ALUMINUM DISC IN CONCRETE LOCATED ON THE NORTHEAST SIDE OF THE BUS BARN PARKING LOT APPROXIMATELY 452' IN A EASTERLY DIRECTION FROM THE NORTHEAST CORNER OF THE BUS BARN WORKSHOP, AND APPROXIMATELY 86' IN A SOUTHEASTERLY DIRECTION FROM THE FIRE HYDRANT LOCATED ON THE WEST SIDE OF THE NORTHEASTERN BUS BARN PARKING LOT DRIVEWAY.	ELEV: 194.79 N: 13965564.4800 E: 3035055.6380

NOTE:
DEMOLITION AND CONSTRUCTION ACTIVITIES MAY DAMAGE OR KNOCK-OUT THE PROJECT CONTROL & BENCHMARKS THAT ARE LISTED ON THESE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT PROJECT CONTROL BEFORE STARTING DEMOLITION AND CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR RE-ESTABLISHING PROJECT CONTROL & BENCHMARKS. CONTRACTOR SHALL USE THE PROJECT CONTROL PROVIDED IN THE PLANS TO SET THEIR OWN CONTROL (HORIZONTAL AND VERTICAL) OUTSIDE OF THE CONSTRUCTION LIMITS. THE PROJECT CONTROL PROVIDED IS SUFFICIENT FOR THE CONTRACTOR TO RE-ESTABLISH CONTROL ON-SITE, PRIOR TO DEMOLITION/CONSTRUCTION.

Legend — 2

Existing

— —	EXISTING RIGHT-OF-WAY
SS	SANITARY SEWER
W	WATER LINE
G	NATURAL GAS LINE
UGE	UNDERGROUND ELECTRIC LINE
UGT	UNDERGROUND TELEPHONE LINE
FOC	UNDERGROUND FIBER OPTIC CABLE
E	OVERHEAD ELECTRIC
T	OVERHEAD TELEPHONE
—	OVERHEAD CABLE TV
—○——○—	CHAINLINK FENCE
—X—X—X—X—	BARBED WIRE FENCE
—	WOOD FENCE
⋈ ICV	IRRIGATION CONTROL VALVE
☼	FIRE HYDRANT
⋈ WV	WATER VALVE
Ⓢ	SANITARY SEWER MANHOLE
○ CO	SANITARY SEWER CLEANOUT
○ PP	POWER POLE
◡	GUY WIRE
☐ WM	WATER METER
☐ TBX	TELEPHONE BOX
△ GM	GAS METER
○ TP	TELEPHONE POLE
⋈ GV	GAS VALVE
☐ MB	MAILBOX
⊕ BM#2	BENCH MARK
△ CP#15	CONTROL POINT
▨	ASPHALT
▨	GRAVEL
▨	CONCRETE
✿	TREE

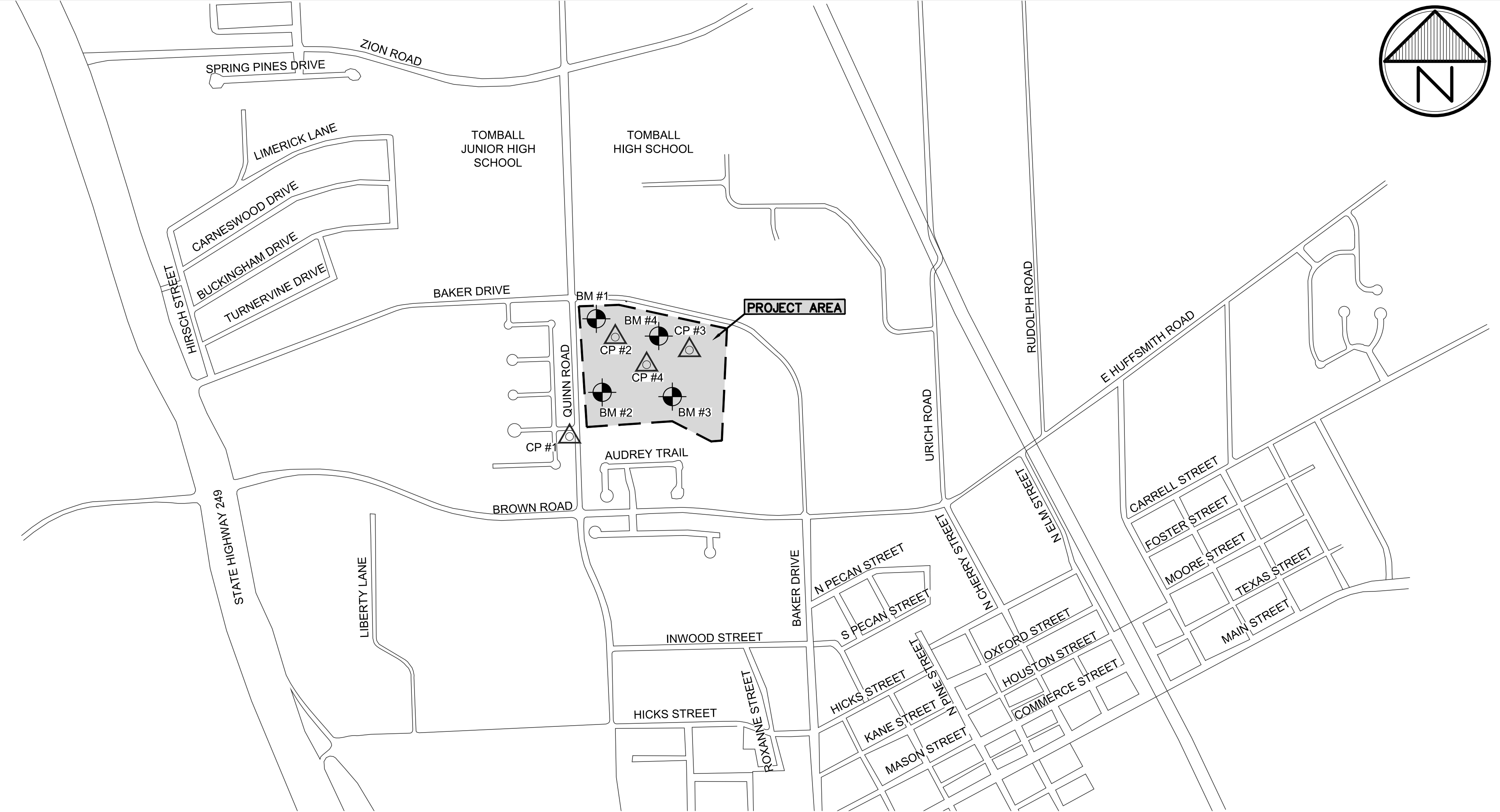
Proposed

●——■	LIGHT POLE
●	MANHOLE
● CO	CLEANOUT
UGE	UNDERGROUND ELECTRIC
E	OVERHEAD ELECTRIC
G	GAS LINE
8"SS	8" SEWERLINE (SIZE NOTED)
— — — —	SEWER SERVICE TRANSFER
X LST	LONG SERVICE TRANSFER
X SST	SHORT SERVICE TRANSFER
12"W	12" WATERLINE (SIZE NOTED)
— — — —	WATER SERVICE TRANSFER
═ ═ ═ ═	STORM SEWERLINE (SIZE NOTED)
◙	STORM SEWER INLET (SIZE NOTED)
●	SIGN (TYPE NOTED)
▨	CONCRETE SIDEWALK PAVEMENT
HYD	STANDARD FIRE HYDRANT ASSEMBLY
⋈ WV	GATE VALVE
■ WM	WATER METER

G=GROUND
T=TOP OF CURB
P=TOP OF PAVEMENT
FL=FLOW LINE

NOTE: LEGENDS WITHIN SPECIFIC SECTIONS APPLY ONLY TO THOSE SECTIONS. THE ITEMS LISTED ABOVE ARE TYPICAL UNLESS NOTED OTHERWISE.

Vicinity Map — 1"=1000'-0" — 1



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DRAWN BY:	APPV'D BY:	ISSUED:
TW	MH	4/2/2026

T.B.P.E.L.S FIRM NO. F-413
T.B.A.E. FIRM NO. BR 351
T.B.P.E.L.S FIRM NO. 10110900

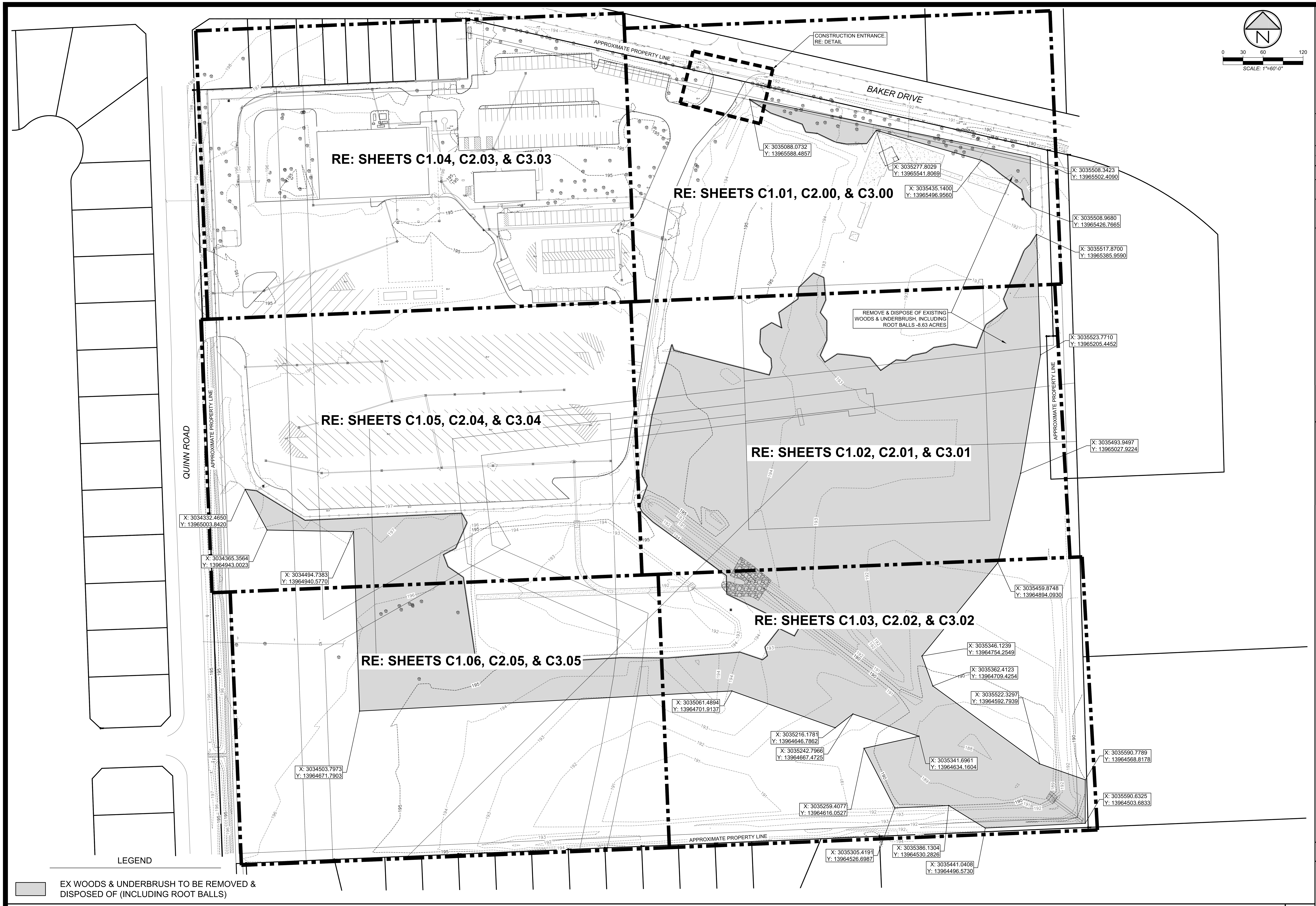
GLS
ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVEYING
1609 S. CHESTNUT ST. STE. 202 - LUFKIN, TEXAS 75901 - (936) 637-4900
4077 CROSS PARK DR. STE. 100 - BRYAN, TEXAS 77802 - (979) 776-9700
455 RICE ROAD STE. 107 - TYLER, TEXAS 75703 - (903) 581-3805
613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

MICHAEL G. HOLMES
148750
Michael Holmes
04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Project Notes & Information

JOB NUMBER
364003

SHEET NO.
C0.01



LEGEND

▨ EX WOODS & UNDERBRUSH TO BE REMOVED & DISPOSED OF (INCLUDING ROOT BALLS)

Overall Site and Tree Clearing Plan 1"=60'-0" 1

#	DATE	REVISIONS
1	----	----
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TW	MH	4/2/2026

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T.B.A.E. FIRM NO. BR 351
T.B.P.E.L.S FIRM NO. 10110900

GLS
ARCHITECTURE - ENGINEERING - INTERIORS
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1609 S. CHESTNUT ST. STE. 202 - LUFKIN, TEXAS 75901 - (936) 637-4900
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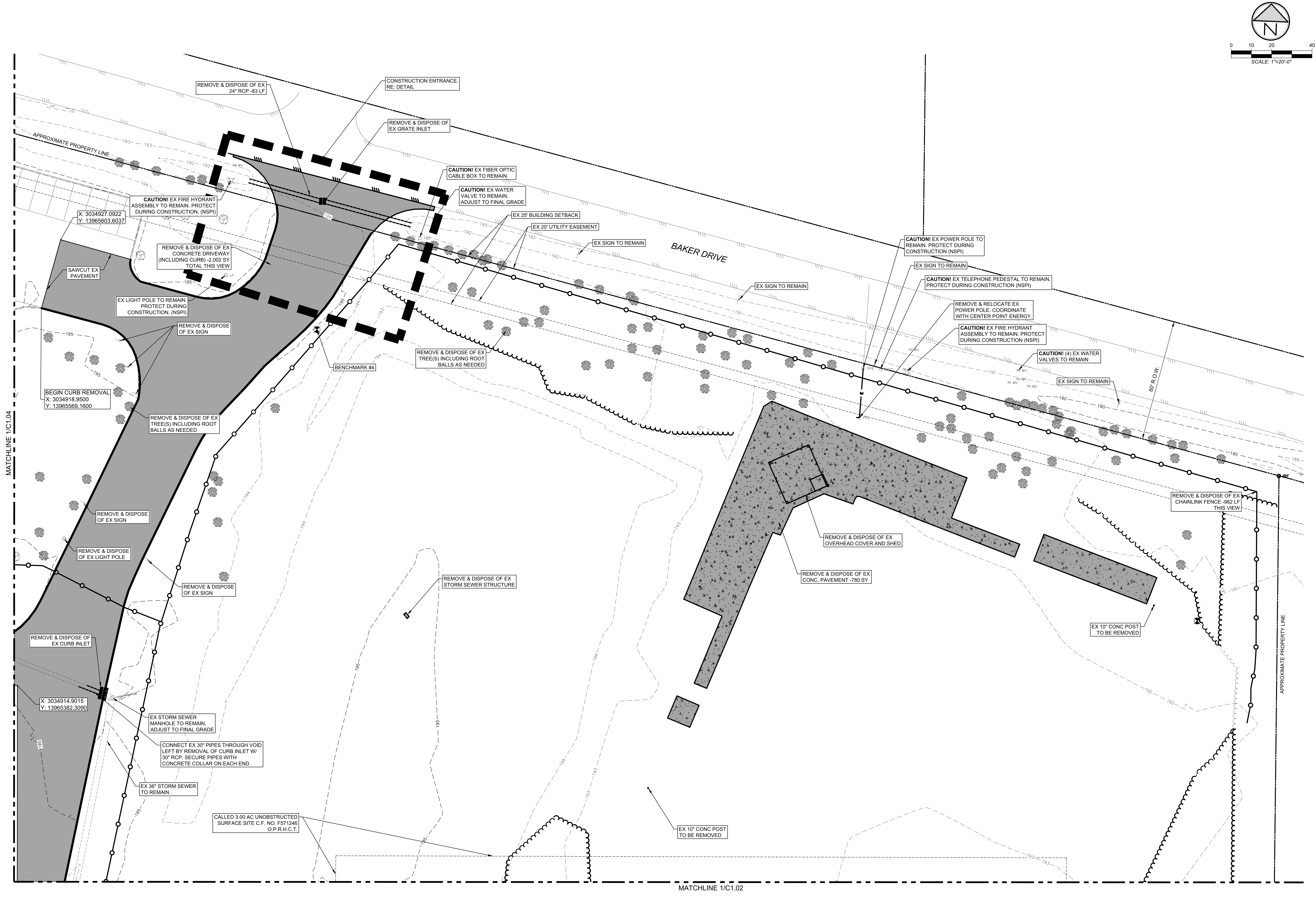
04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Overall Site & Tree Clearing Plan

JOB NUMBER
364003

SHEET NO.
C1.00



Existing Conditions and Demolition Plan 1"=20'-0" 1

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ARCHITECTURE - ENGINEERING - INTERIORS
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Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Existing Conditions & Demolition Plan

JOB NUMBER
364003

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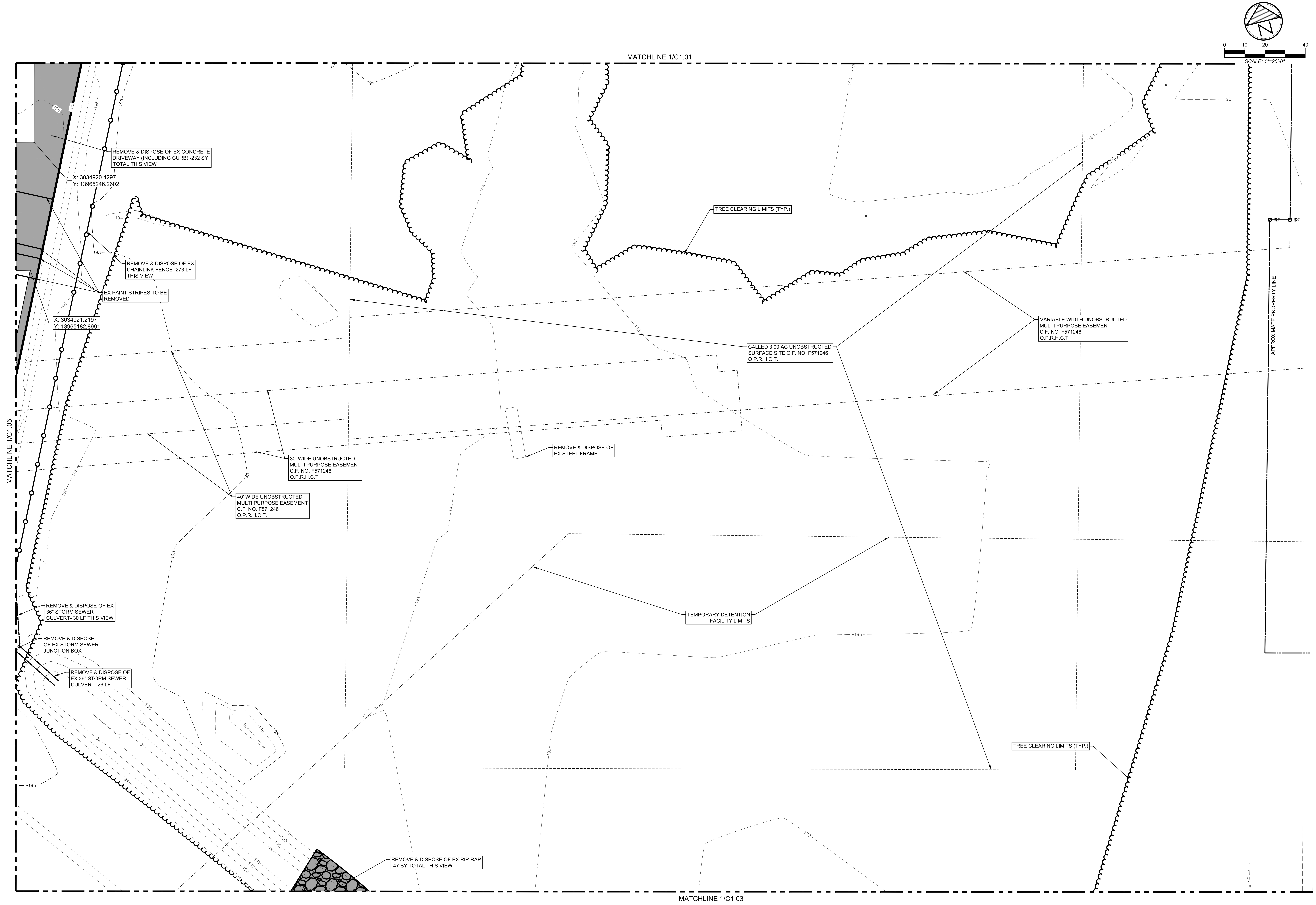
C1.01



Existing Conditions and Demolition Plan

1"=20'-0" 1

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Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Existing Conditions & Demolition Plan

JOB NUMBER
364003

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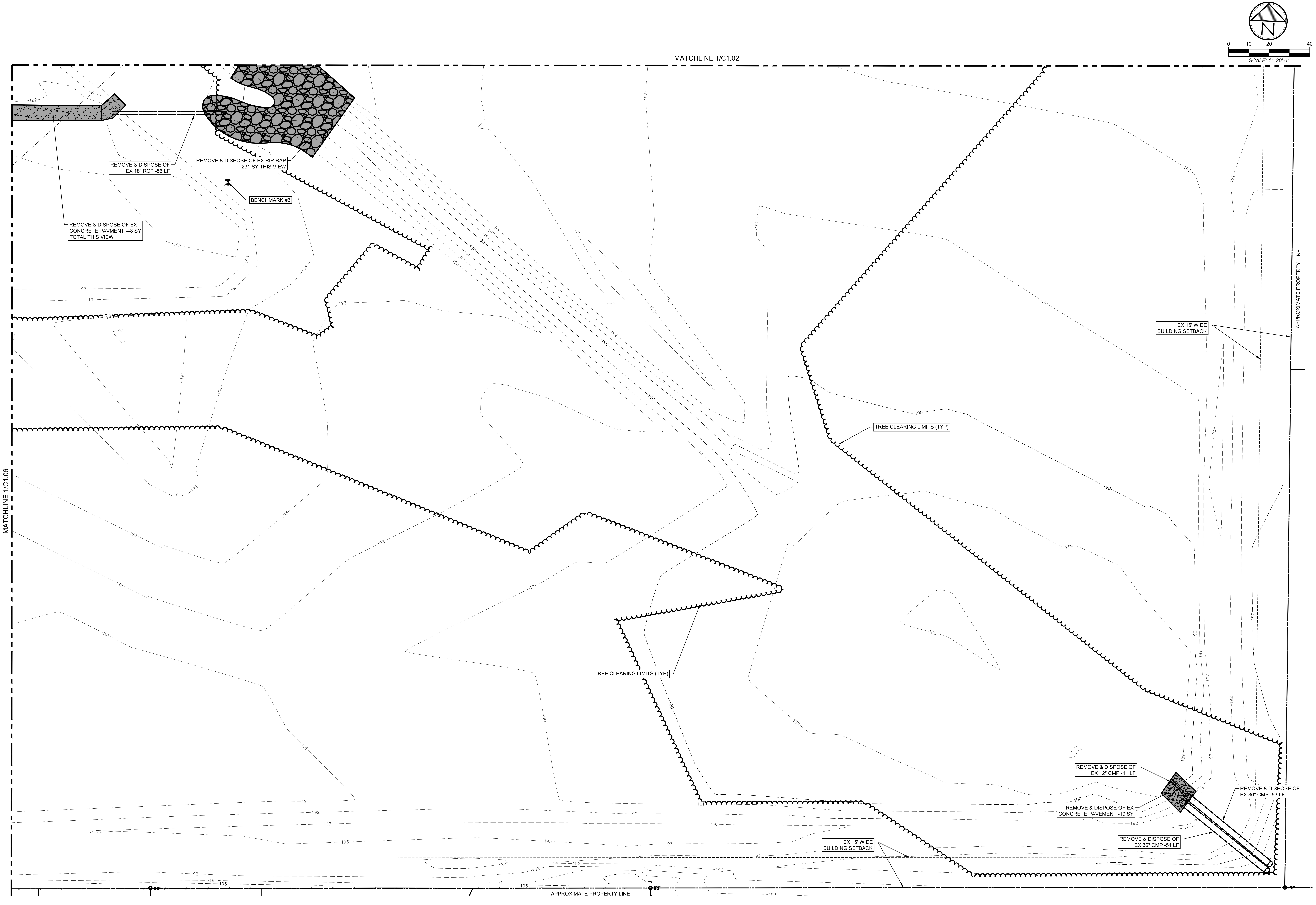

Existing Conditions and Demolition Plan 1"=20'-0" 1

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Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Existing Conditions & Demolition Plan

JOB NUMBER
364003

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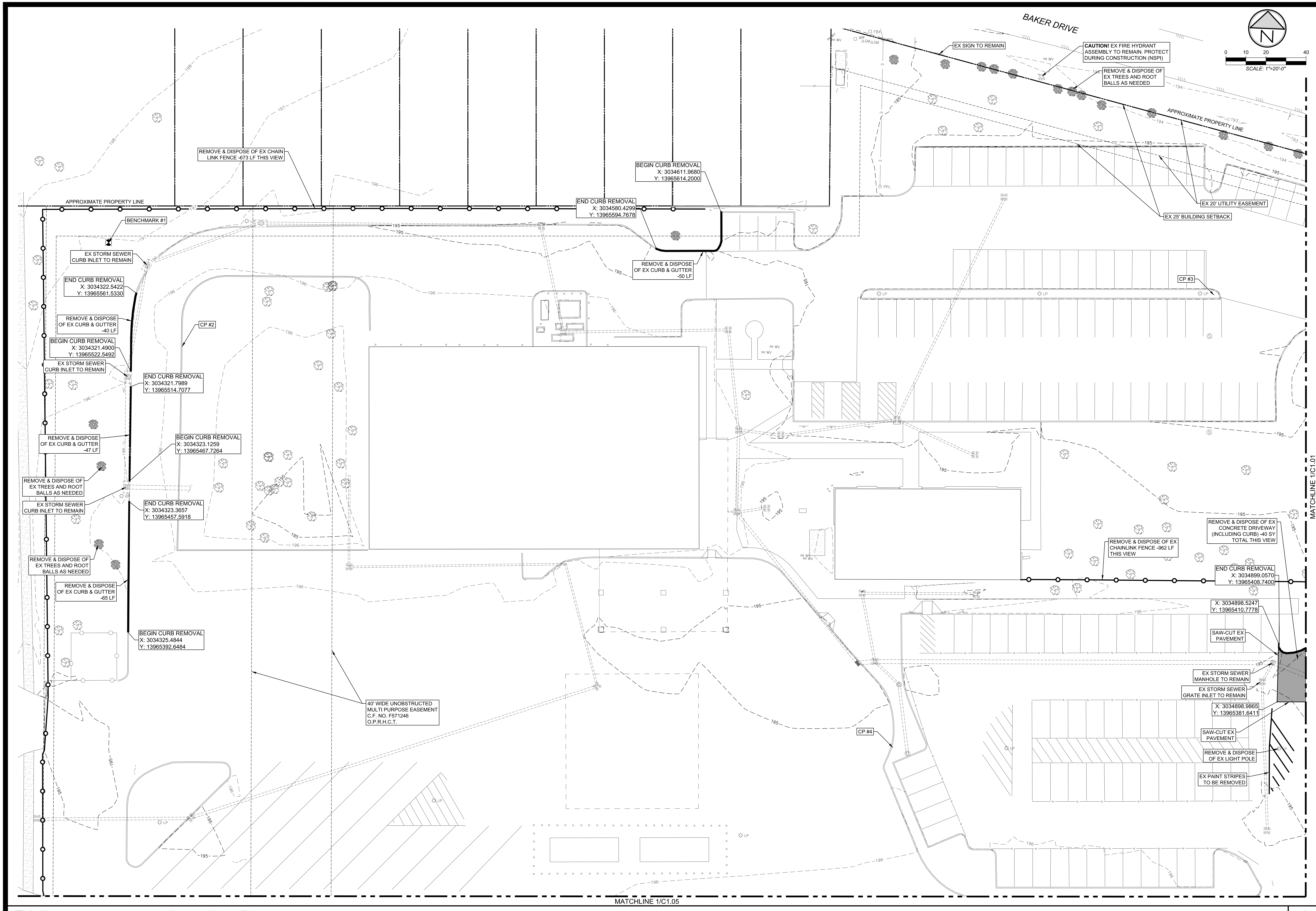

EX SIGN TO REMAIN

CAUTION! EX FIRE HYDRANT ASSEMBLY TO REMAIN. PROTECT DURING CONSTRUCTION (NSPI)

REMOVE & DISPOSE OF EX TREES AND ROOT BALLS AS NEEDED

EX 20' UTILITY EASEMENT

EX 25' BUILDING SETBACK

REMOVE & DISPOSE OF EX CHAIN LINK FENCE -673 LF THIS VIEW

BEGIN CURB REMOVAL
X: 3034611.9680
Y: 13965614.2000

END CURB REMOVAL
X: 3034580.4299
Y: 13965594.7678

REMOVE & DISPOSE OF EX CURB & GUTTER -50 LF

EX STORM SEWER CURB INLET TO REMAIN

END CURB REMOVAL
X: 3034322.5422
Y: 13965561.5330

REMOVE & DISPOSE OF EX CURB & GUTTER -40 LF

BEGIN CURB REMOVAL
X: 3034321.4900
Y: 13965522.5492

EX STORM SEWER CURB INLET TO REMAIN

END CURB REMOVAL
X: 3034321.7989
Y: 13965514.7077

REMOVE & DISPOSE OF EX CURB & GUTTER -47 LF

BEGIN CURB REMOVAL
X: 3034323.1259
Y: 13965467.7264

REMOVE & DISPOSE OF EX TREES AND ROOT BALLS AS NEEDED

EX STORM SEWER CURB INLET TO REMAIN

END CURB REMOVAL
X: 3034323.3657
Y: 13965457.5918

REMOVE & DISPOSE OF EX TREES AND ROOT BALLS AS NEEDED

REMOVE & DISPOSE OF EX CURB & GUTTER -65 LF

BEGIN CURB REMOVAL
X: 3034325.4844
Y: 13965392.6484

40' WIDE UNOBSTRUCTED MULTI PURPOSE EASEMENT
C.F. NO. F571246
O.P.R.H.C.T.

REMOVE & DISPOSE OF EX CONCRETE DRIVEWAY (INCLUDING CURB) -40 SY TOTAL THIS VIEW

REMOVE & DISPOSE OF EX CHAINLINK FENCE -962 LF THIS VIEW

END CURB REMOVAL
X: 3034899.0570
Y: 13965408.7400

X: 3034898.5247
Y: 13965410.7778

SAW-CUT EX PAVEMENT

EX STORM SEWER MANHOLE TO REMAIN

EX STORM SEWER GRATE INLET TO REMAIN

X: 3034898.9865
Y: 13965381.6411

SAW-CUT EX PAVEMENT

REMOVE & DISPOSE OF EX LIGHT POLE

EX PAINT STRIPES TO BE REMOVED

Existing Conditions and Demolition Plan

1"=20'-0"

1

#	DATE	REVISIONS
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T.B.P.E.L.S FIRM NO. F-413
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GLS
ARCHITECTURE - ENGINEERING - INTERIORS
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Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Existing Conditions & Demolition Plan

JOB NUMBER
364003

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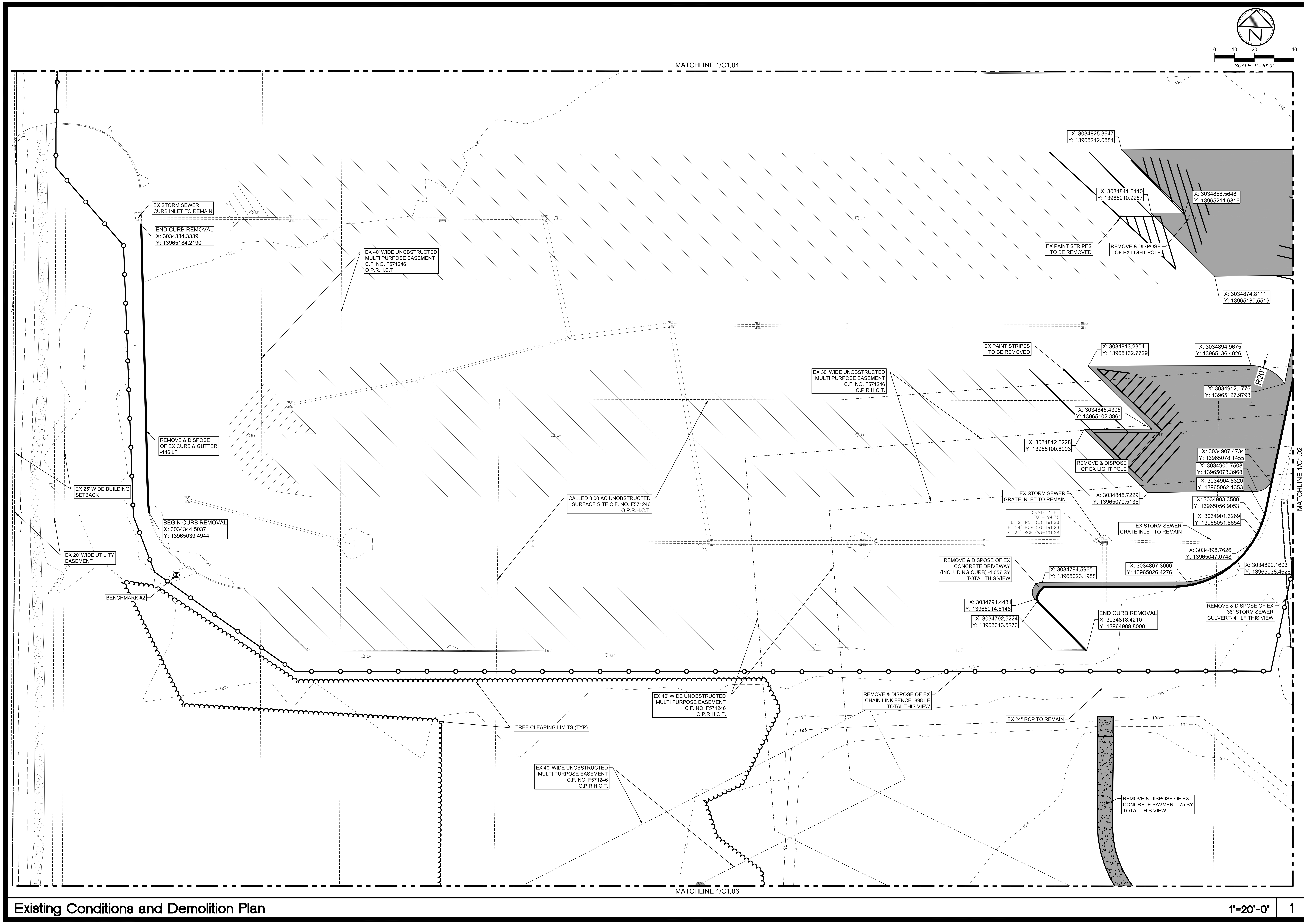
C1.04



Existing Conditions and Demolition Plan 1"=20'-0" 1

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T.B.P.E.L.S FIRM NO. 10110900

G L S
ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVEYING
1609 S. CHESTNUT ST. STE. 202 - LUFKIN, TEXAS 75901 - (936) 637-4900
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Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Existing Conditions & Demolition Plan

JOB NUMBER
364003

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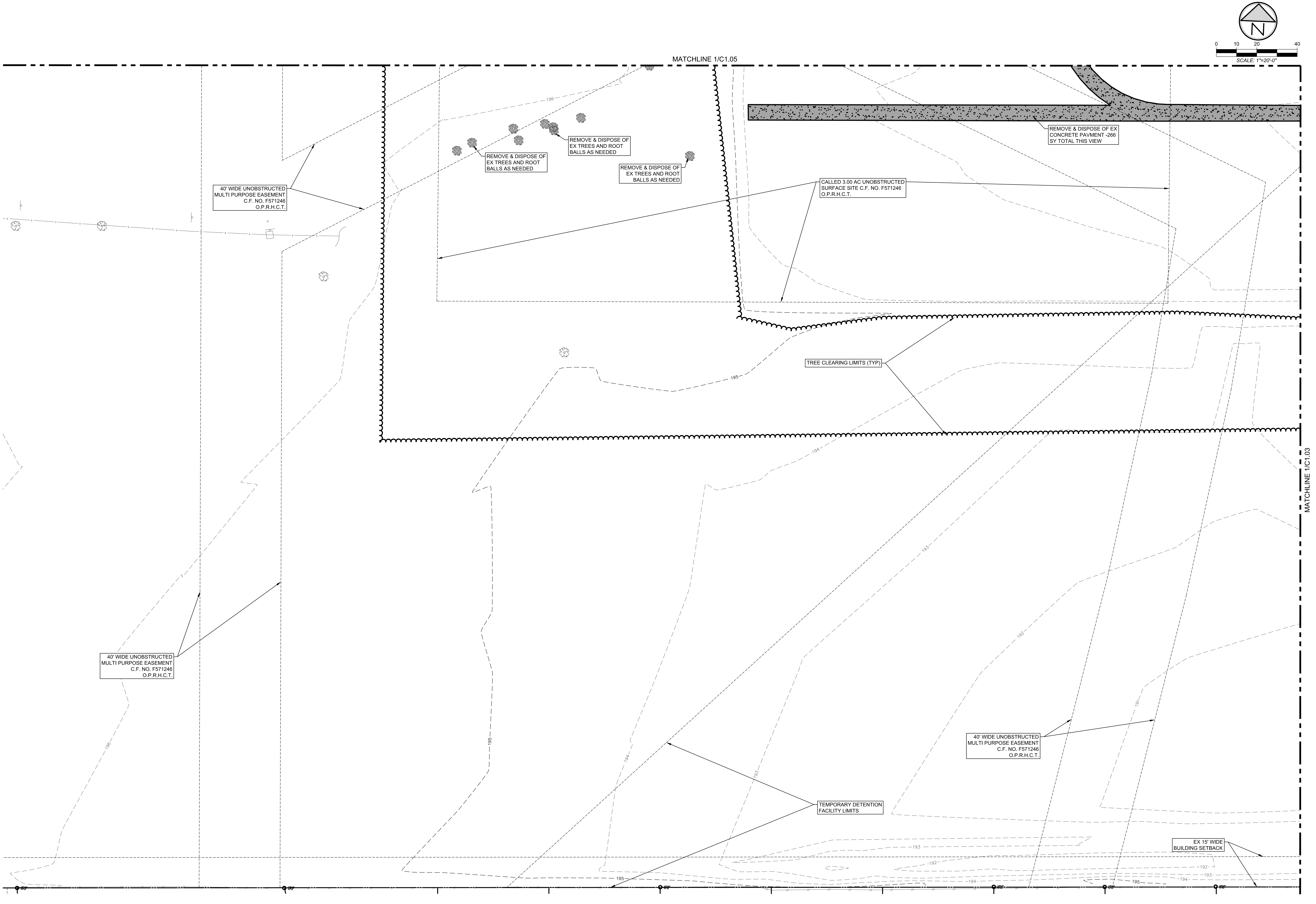

Existing Conditions and Demolition Plan

1"=20'-0"

1

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GLS
ARCHITECTURE - ENGINEERING - INTERIORS
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1609 S. CHESTNUT ST. STE. 202 - LUFKIN, TEXAS 75901 - (936) 637-4900
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Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Existing Conditions & Demolition Plan

JOB NUMBER
364003

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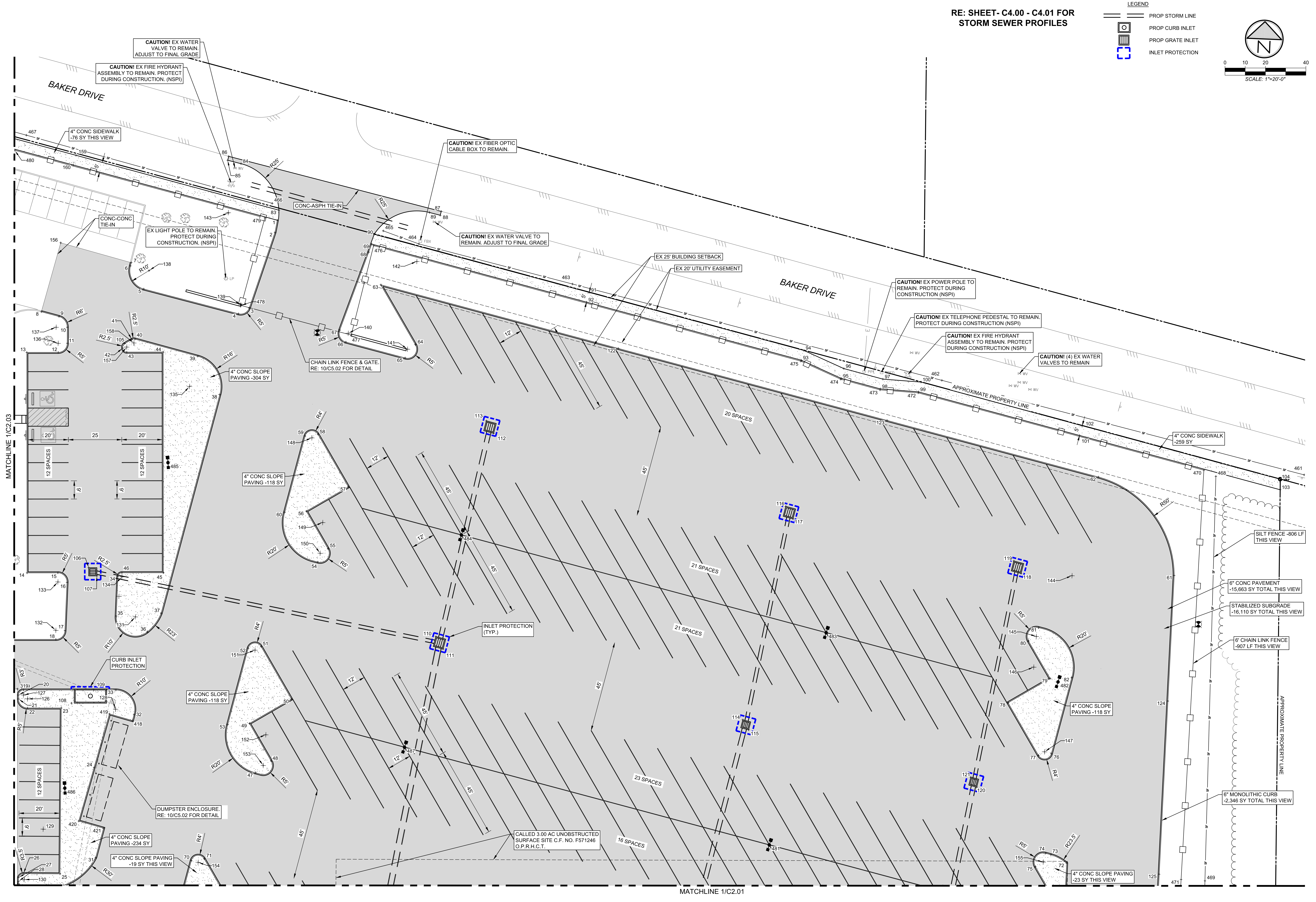
C1.06



Site and Erosion Control Plan 1"=20'-0" 1

REVISIONS	DATE	#
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T.B.P.E.L.S FIRM NO. 10110900

GLS
ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVEYING
1609 S. CHESTNUT ST. STE. 202 - LUFKIN, TEXAS 75901 - (936) 637-4900
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Michael Holmes
04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Site and Erosion Control Plan

JOB NUMBER
364003

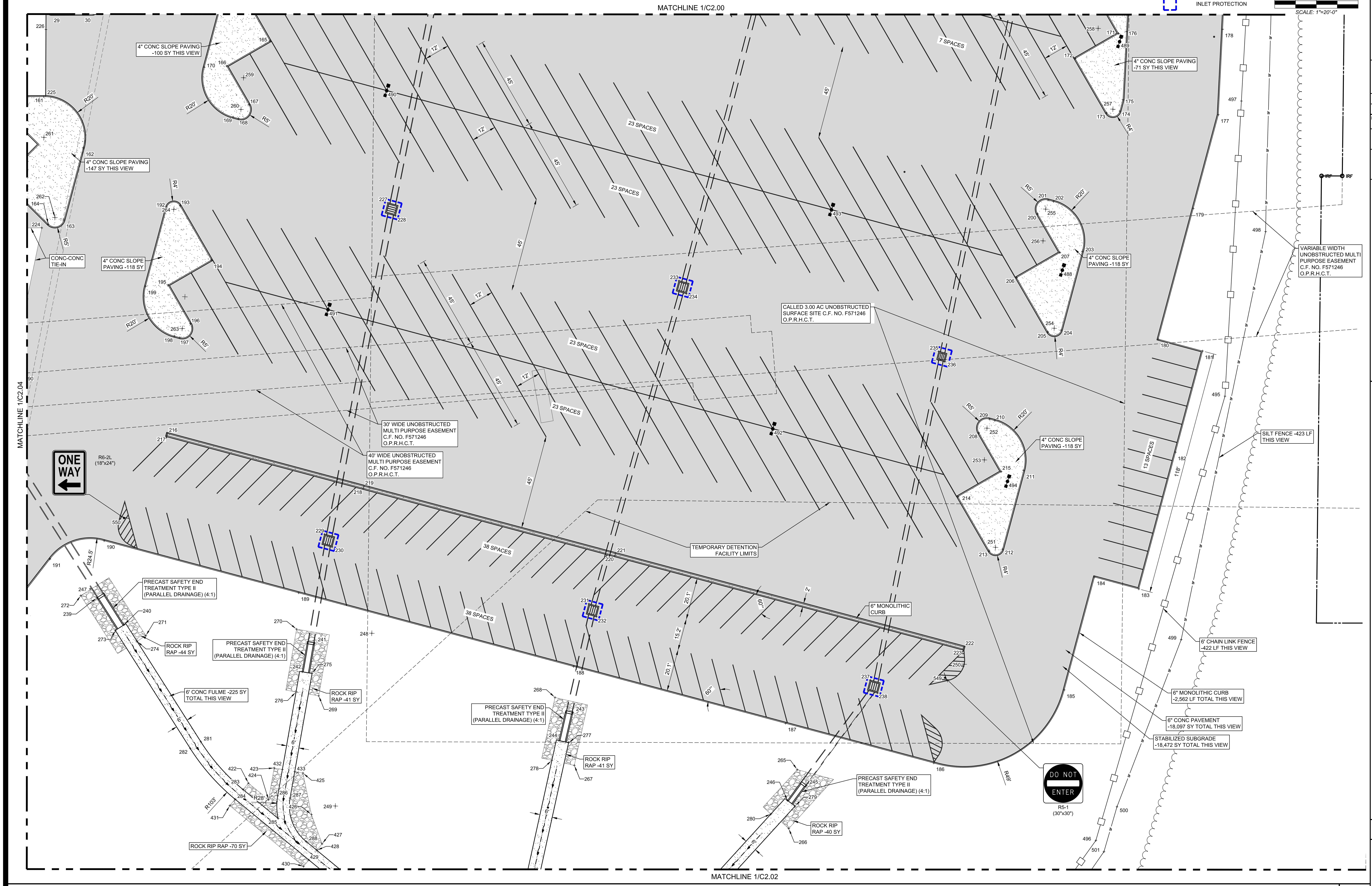
SHEET NO.
C2.00

RE: SHEET- C4.00 - C4.01 FOR STORM SEWER PROFILES

LEGEND

═ ═	PROP STORM LINE
▣	PROP CURB INLET
▥	PROP GRATE INLET
⬚	INLET PROTECTION

SCALE: 1"=20'-0"



Site and Erosion Control Plan

1"=20'-0"

1

#	DATE	REVISIONS
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T.B.P.E.L.S FIRM NO. F-413
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04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Site and Erosion Control Plan

JOB NUMBER
364003

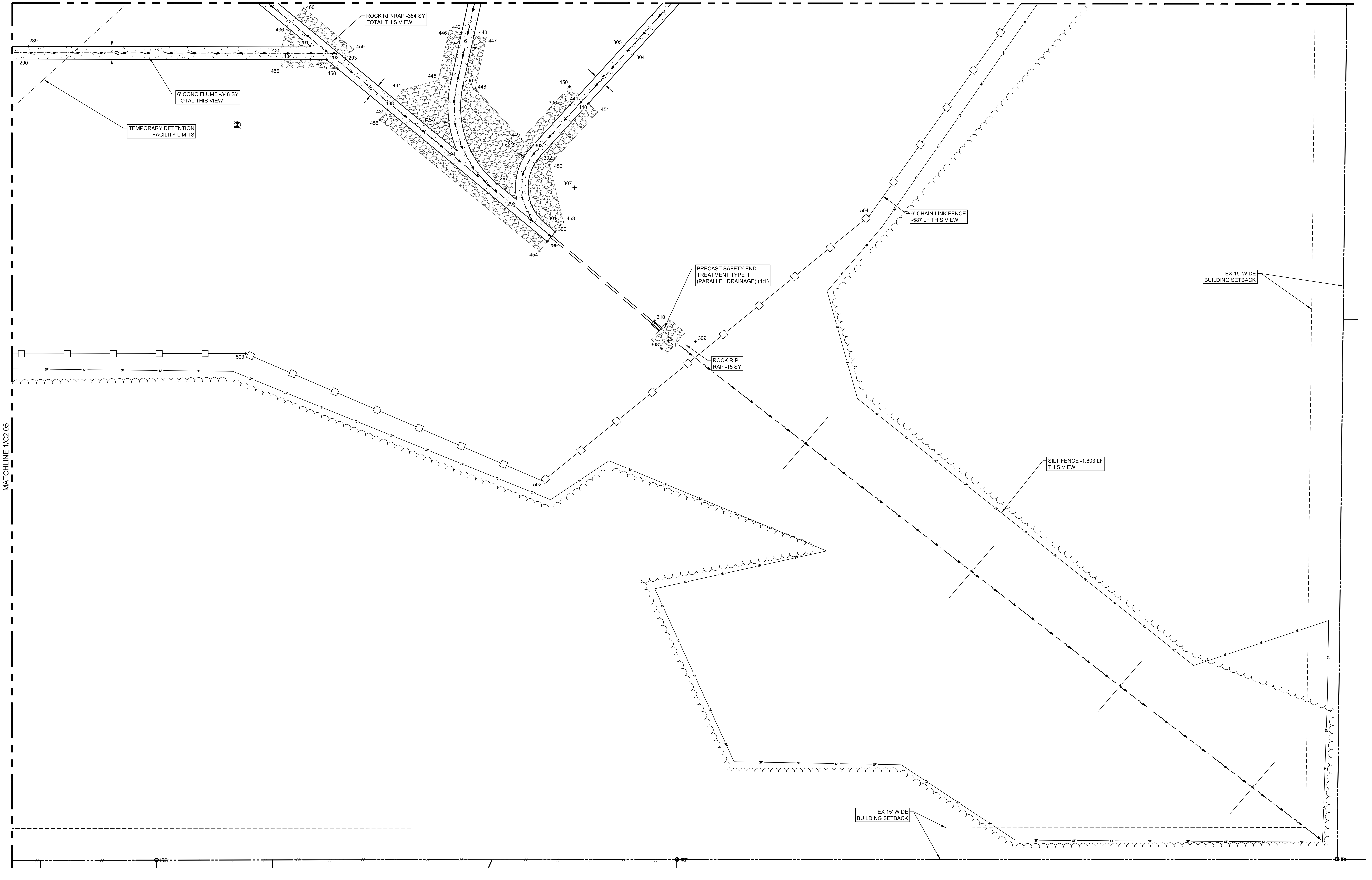
SHEET NO.

C2.01

RE: SHEET- C4.00 - C4.01 FOR STORM SEWER PROFILES

LEGEND

═ ═	PROP STORM LINE
⊡	PROP CURB INLET
▥	PROP GRATE INLET
⛶	INLET PROTECTION



Site and Erosion Control Plan

1"=20'-0"

1

#	DATE	REVISIONS
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148750

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04/02/2026

Transportation Facility Improvements
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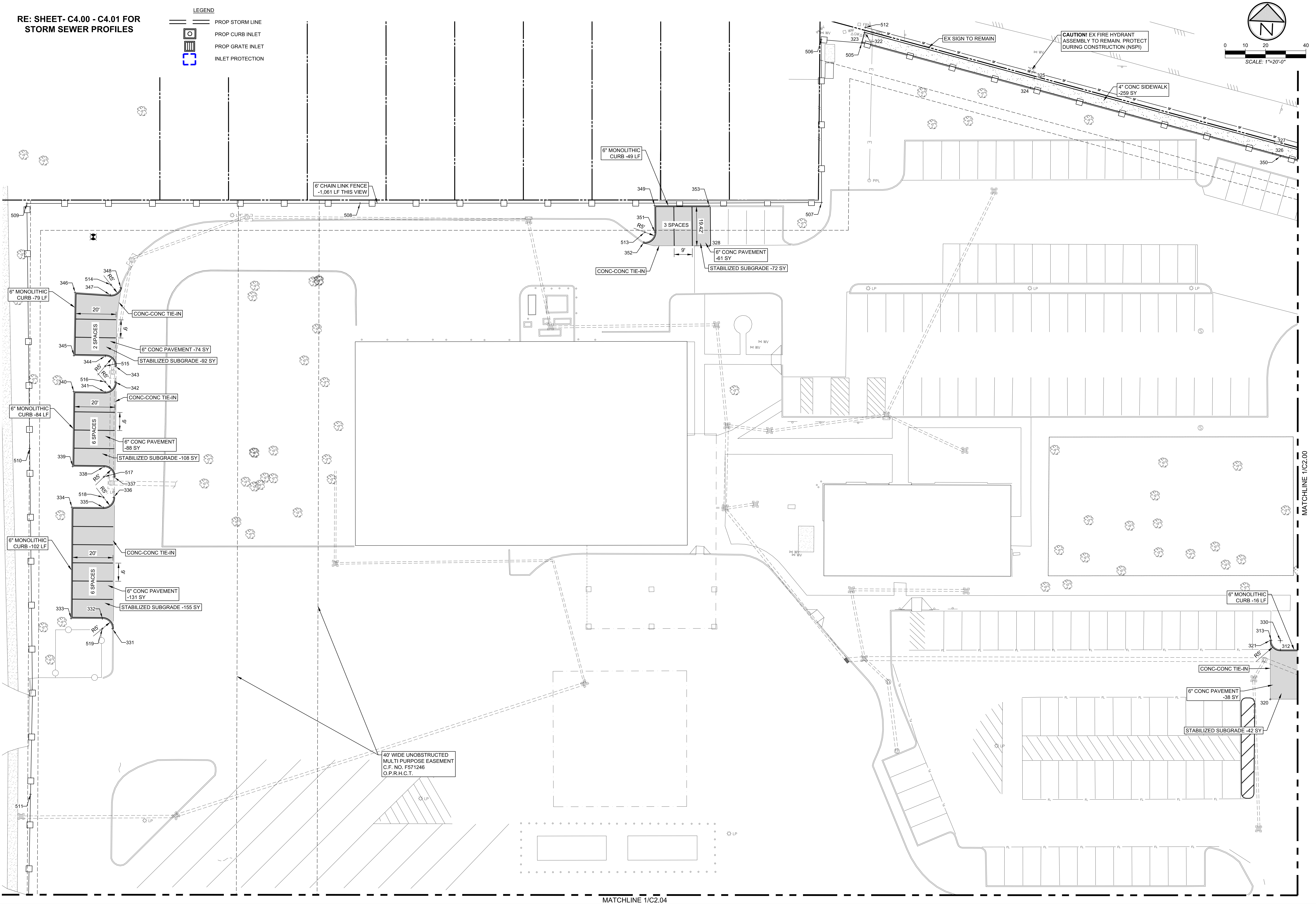
Site and Erosion Control Plan

JOB NUMBER
364003

SHEET NO.

C2.02



Site and Erosion Control Plan 1"=20'-0" 1

#	DATE	REVISIONS
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04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Site and Erosion Control Plan

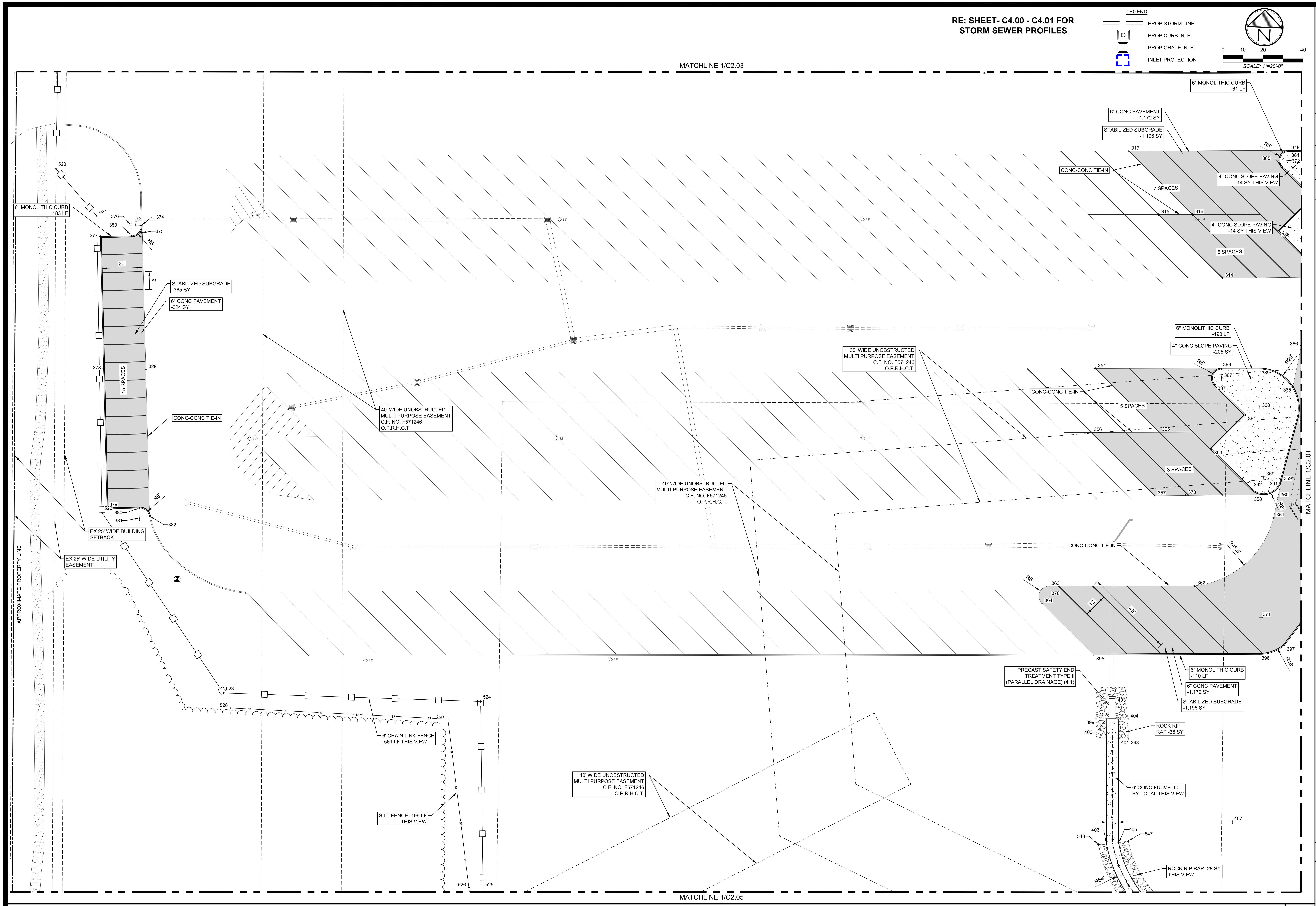
JOB NUMBER
364003

SHEET NO.
C2.03

RE: SHEET- C4.00 - C4.01 FOR STORM SEWER PROFILES

LEGEND

═	PROP STORM LINE
▣	PROP CURB INLET
▥	PROP GRATE INLET
⬚	INLET PROTECTION



Site and Erosion Control Plan

1"=20'-0"

1

#	DATE	REVISIONS
1	----	----
2	----	----
3	----	----
4	----	----

d:\364\364003\364003_C2.00 - Site Plan.dwg 3/25/2026 11:43 AM

DRAWN BY:	APPV'D BY:	ISSUED:
TW	MH	4/2/2026

T.B.P.E.L.S FIRM NO. F-413
T.B.A.E. FIRM NO. BR 351
T.B.P.E.L.S FIRM NO. 10110900

GLS
ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVEYING
1609 S. CHESTNUT ST. STE. 202 - LUFKIN, TEXAS 75901 - (936) 637-4900
4077 CROSS PARK DR. STE. 100 - BRYAN, TEXAS 77802 - (979) 776-9700
455 RICE ROAD STE. 107 - TYLER, TEXAS 75703 - (903) 581-3805
613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

MICHAEL G. HOLMES
148750
Michael Holmes
04/02/2026

Transportation Facility Improvements

Tomball ISD
Tomball, Texas

Site and Erosion Control Plan

JOB NUMBER
364003

SHEET NO.

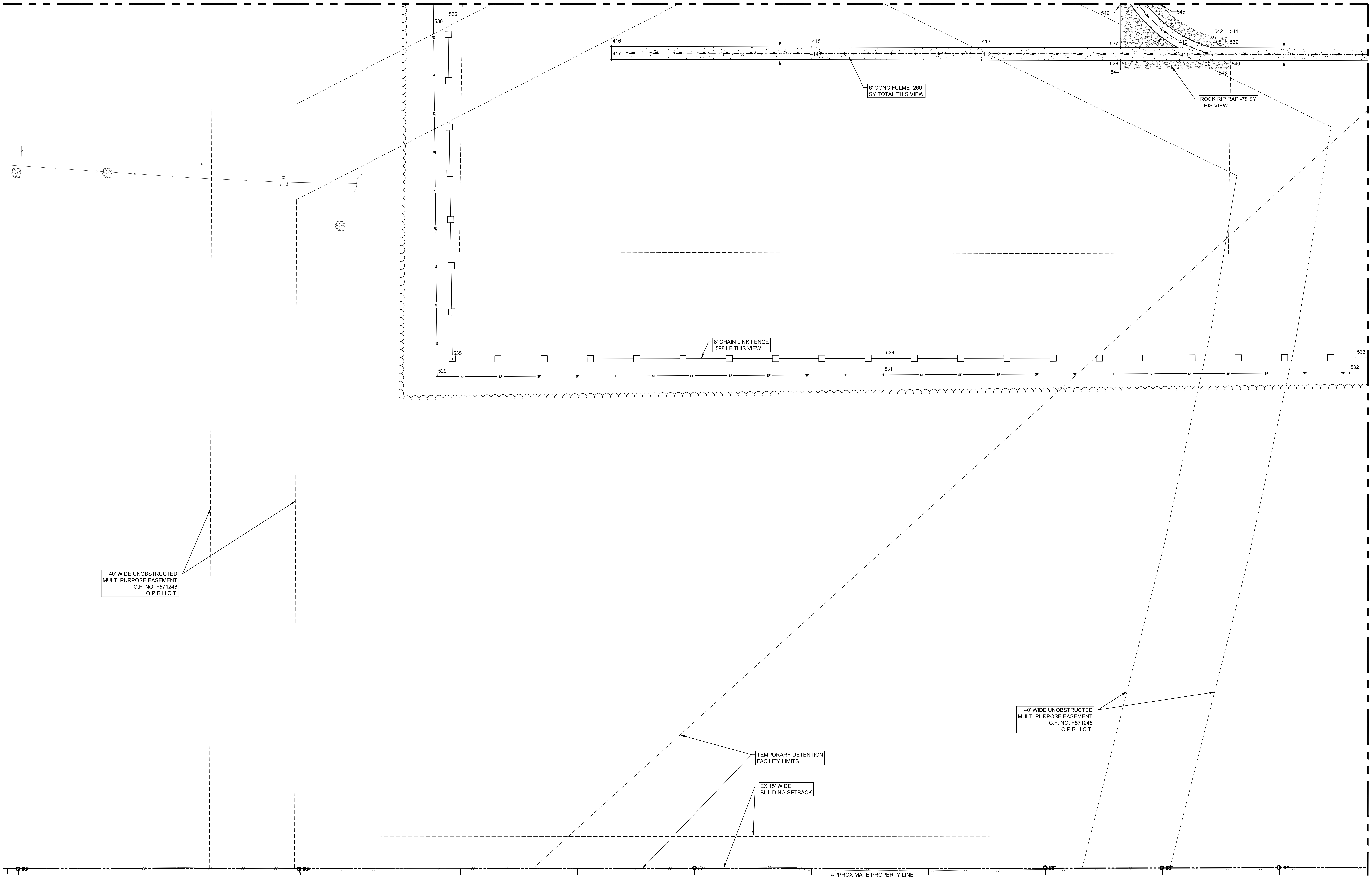
C2.04

RE: SHEET- C4.00 - C4.01 FOR STORM SEWER PROFILES

LEGEND

═ ═	PROP STORM LINE
⊡	PROP CURB INLET
▥	PROP GRATE INLET
⬚	INLET PROTECTION

0 10 20 40
SCALE: 1"=20'-0"



Site and Erosion Control Plan

1"=20'-0"

1

#	DATE	REVISIONS
1	----	----
2	----	----
3	----	----
4	----	----

d:\364\364003\364003_C2.00 - Site Plan.dwg 3/25/2026 11:43 AM

DRAWN BY:	APPV'D BY:	ISSUED:
TW	MH	4/2/2026

T.B.P.E.L.S FIRM NO. F-413
T.B.A.E. FIRM NO. BR 351
T.B.P.E.L.S FIRM NO. 10110900

GLS
ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVEYING
1609 S. CHESTNUT ST. STE. 202 - LUFKIN, TEXAS 75901 - (936) 637-4900
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MICHAEL G. HOLMES
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04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Site and Erosion Control Plan

JOB NUMBER
364003

SHEET NO.
C2.05

Point Table

Point #	Raw Description	Northing	Easting
1	BC/SW	13965619.2268	3035033.5977
2	BC	13965613.1877	3035032.7107
3	BC	13965575.3015	3035021.5857
4	BC	13965572.2016	3035016.3201
5	BC	13965582.4803	3034969.0589
6	BC	13965593.6450	3034961.9867
7	BC	13965595.2885	3034962.3277
8	BC	13965569.1600	3034918.9500
9	BC	13965567.1700	3034927.7835
10	BC	13965562.0393	3034932.0697
11	BC	13965554.1114	3034932.4085
12	BC	13965549.4234	3034928.1047
13	BC	13965548.7614	3034912.6106
14	BC	13965439.8621	3034917.2963
15	BC	13965440.5122	3034932.5116
16	BC	13965436.0118	3034937.2037
17	BC	13965412.0761	3034937.1798
18	BC	13965407.5846	3034932.8684
19	BC/EC	13965381.9352	3034917.9199
20	BC	13965379.3326	3034915.5269
21	BC	13965377.4214	3034915.6071
22	BC/EC	13965373.1140	3034920.2918
23	BC/EC	13965373.8137	3034936.9658
24	BC/EC	13965345.0984	3034954.4018
25	BC/EC	13965291.8572	3034939.7550
26	BC/EC	13965291.2429	3034921.7036
27	BC	13965289.1709	3034919.3105
28	BC	13965287.2858	3034919.3897
29	BC/EC	13965285.3714	3034921.4718
30	BC/EC	13965286.2143	3034941.5579
31	BC/EC	13965300.6823	3034957.0629
32	BC/EC	13965372.1296	3034973.0485
33	BC/EC	13965383.8513	3034963.5784
34	BC/EC	13965439.8667	3034962.2076
35	BC/EC	13965420.3823	3034962.1881
36	BC/EC	13965413.1824	3034977.8968
37	BC/EC	13965422.7071	3034984.3646
38	BC/EC	13965531.9080	3035008.7971
39	BC/EC	13965550.4016	3034997.1292
40	BC/EC	13965557.5889	3034965.7267
41	BC/EC	13965557.3313	3034964.2141
42	BC/EC	13965552.8773	3034959.8844
43	BC/EC	13965550.9647	3034961.9711
44	BC/EC	13965551.7608	3034979.9293
45	BC/EC	13965442.7754	3034984.5432
46	BC/EC	13965441.8629	3034964.1226
47	BC/EC	13965345.7772	3035034.2746
48	BC/EC	13965351.9874	3035041.7035
49	BC/EC	13965370.0819	3035030.2237
50	BC/EC	13965382.9391	3035050.4892
51	BC/EC	13965408.2965	3035034.4015
52	BC/EC	13965407.1857	3035028.0305
53	BC/EC	13965369.0646	3035019.5014
54	BC/EC	13965451.2036	3035060.6420
55	BC/EC	13965458.0058	3035065.4240
56	BC/EC	13965476.1003	3035053.9441
57	BC/EC	13965488.9576	3035074.2096
58	BC/EC	13965514.3150	3035058.1219
59	BC/EC	13965513.2041	3035051.7510
60	BC/EC	13965475.0831	3035043.2218
61	BC	13965462.2465	3035483.8657
62	BC	13965509.2931	3035444.4377
63	BC	13965589.4463	3035086.0688
64	BC	13965560.6220	3035104.3561
65	BC	13965553.8197	3035099.5741
66	BC	13965560.4393	3035069.9776
67	BC	13965566.2191	3035066.6793
68	BC	13965605.3254	3035079.3630
69	BC/SW	13965609.3913	3035080.6817
70	BC/EC	13965301.1655	3035004.3179
71	BC/EC	13965302.2764	3035010.6889
72	BC/EC	13965317.8843	3035436.7080
73	BC/EC	13965321.7419	3035428.7216
74	BC/EC	13965322.3320	3035426.0832
75	BC/EC	13965315.5298	3035421.3012
76	BC/EC	13965371.6726	3035426.8950
77	BC/EC	13965370.5618	3035420.5241
78	BC/EC	13965395.9192	3035404.4363
79	BC/EC	13965408.7764	3035424.7019

Point Table

Point #	Raw Description	Northing	Easting
80	BC/EC	13965426.8710	3035413.2220
81	BC/EC	13965433.6732	3035418.0040
82	BC/EC	13965409.7937	3035435.4242
83	EC/SW	13965624.2288	3035034.1475
84	EC	13965646.4011	3035014.5063
85	EC	13965647.8305	3035007.8588
86	EC	13965649.7858	3035008.2792
87	EC	13965626.9734	3035114.3688
88	EC	13965625.0307	3035113.9524
89	EC	13965626.1769	3035108.6056
90	EC/SW	13965614.2780	3035081.7410
91	SW	13965589.9999	3035189.1237
92	SW	13965585.1230	3035188.0211
93	SW	13965560.8859	3035295.2223
94	SW	13965565.7628	3035296.3250
95	SW	13965552.7464	3035315.3524
96	SW	13965557.6233	3035316.4550
97	SW	13965553.2128	3035335.9626
98	SW	13965548.3359	3035334.8600
99	SW	13965547.6545	3035353.7452
100	SW	13965552.5314	3035354.8479
101	SW	13965529.4323	3035434.2509
102	SW	13965534.3092	3035435.3535
103	SW	13965506.7560	3035534.4350
104	SW	13965511.9770	3035534.2210
105	BC/EC	13965555.1755	3034960.7939
106	GI	13965443.6608	3034947.6374
107	GI	13965439.8352	3034951.8045
108	EC/CURB INLET	13965376.4366	3034941.9170
109	BC/CURB INLET	13965383.3921	3034952.6348
110	GI	13965416.8077	3035120.5064
111	GI	13965410.8369	3035124.2945
112	GI	13965518.4310	3035144.7896
113	GI	13965524.4017	3035141.0015
114	GI	13965382.0045	3035273.8223
115	GI	13965377.2279	3035276.8528
116	GI	13965488.3258	3035290.6386
117	GI	13965482.3550	3035294.4267
118	GI	13965460.0955	3035408.1907
119	GI	13965466.0663	3035404.4026
120	GI	13965353.6218	3035390.6775
121	GI	13965358.3600	3035387.5873
122	BC	13965562.9324	3035204.6139
123	BC	13965532.9075	3035338.8564
124	BC	13965400.0764	3035483.3400
125	BC	13965314.3547	3035482.6151
126	R	13965377.6100	3034920.1031
127	R	13965379.4374	3034918.0247
128	R	13965374.3542	3034963.8126
129	R	13965313.5762	3034930.5293
130	R	13965288.2801	3034922.1755
131	R	13965420.3727	3034971.6881
132	R	13965412.0806	3034932.6798
133	R	13965436.0163	3034932.7037
134	R	13965439.8647	3034964.2076
135	R	13965535.2923	3034993.6710
136	R	13965553.9193	3034927.9126
137	R	13965561.8045	3034926.5747
138	R	13965591.7149	3034971.2885
139	R	13965576.5987	3035017.2767
140	R	13965564.8308	3035070.9598
141	R	13965558.2112	3035100.5563
142	R	13965601.7323	3035103.3652
143	R	13965621.8008	3035009.2269
144	R	13965460.0107	3035433.4152
145	R	13965429.2817	3035417.0218
146	R	13965414.0514	3035416.3946
147	R	13965372.4368	3035423.4794
148	R	13965512.4399	3035055.1665
149	R	13965470.8254	3035062.2513
150	R	13965455.5951	3035061.6242
151	R	13965406.4215	3035031.4461
152	R	13965364.8070	3035038.5309
153	R	13965349.5767	3035037.9038
154	R	13965300.4013	3035007.7335
155	R	13965317.9405	3035425.1010
156	EC	13965603.6037	3034927.0922
157	R	13965553.4835	3034961.8603
158	R	13965555.6393	3034965.2805

Point Table

Point #	Raw Description	Northing	Easting
159	SW	13965647.1413	3034932.8557
160	SW	13965642.2765	3034931.6997
161	BC/EC	13965245.7410	3034919.5646
162	BC	13965222.0026	3034939.4592
163	BC/EC	13965187.1446	3034931.6602
164	BC/EC	13965184.8071	3034924.2311
165	BC/EC	13965276.9190	3035026.7766
166	BC/EC	13965264.0617	3035006.5111
167	BC/EC	13965245.9672	3035017.9909
168	BC/EC	13965239.1650	3035013.2089
169	BC/EC	13965239.7570	3035010.5620
170	BC/EC	13965263.0445	3034995.7888
171	BC/EC	13965297.4352	3035432.7811
172	BC/EC	13965284.5780	3035412.5155
173	BC/EC	13965259.2206	3035428.6033
174	BC/EC	13965260.3312	3035434.9741
175	BC/EC	13965265.8660	3035436.2090
176	BC/EC	13965298.5082	3035436.5221
177	BC	13965260.5661	3035482.1603
178	BC	13965301.5585	3035482.5069
179	BC	13965215.1774	3035472.0065
180	BC	13965151.9415	3035457.8602
181	BC	13965147.1387	3035479.3296
182	BC	13965098.1741	3035468.3759
183	BC	13965031.9849	3035453.5689
184	BC	13965036.7877	3035432.0995
185	BC	13964982.1660	3035419.8802
186	BC	13964944.5710	3035358.8959
187	BC	13964960.6115	3035287.1783
188	BC	13964983.5765	3035184.5008
189	BC	13965013.3369	3035051.4404
190	BC	13965034.3847	3034957.3350
191	BC	13965024.5726	3034931.7502
192	BC/EC	13965195.1454	3034980.6053
193	BC/EC	13965196.2562	3034986.9762
194	BC/EC	13965170.8988	3035003.0640
195	BC/EC	13965158.0416	3034982.7984
196	BC/EC	13965139.9470	3034994.2783
197	BC/EC	13965133.1448	3034989.4963
198	BC/EC	13965133.7368	3034986.8494
199	BC/EC	13965157.0243	3034972.0761
200	BC/EC	13965209.5096	3035397.5886
201	BC/EC	13965216.3118	3035402.3706
202	BC/EC	13965215.7198	3035405.0175
203	BC/EC	13965192.4324	3035419.7908
204	BC/EC	13965154.3113	3035411.2616
205	BC/EC	13965153.2005	3035404.8907
206	BC/EC	13965178.5578	3035388.8029
207	BC/EC	13965191.4151	3035409.0685
208	BC/EC	13965103.4894	3035373.8760
209	BC/EC	13965110.2917	3035378.6580
210	BC/EC	13965109.6996	3035381.3049
211	BC/EC	13965086.4122	3035396.0781
212	BC/EC	13965048.2911	3035387.5490
213	BC/EC	13965047.1803	3035381.1780
214	BC/EC	13965072.5377	3035365.0903
215	BC/EC	13965085.3949	3035385.3558
216	BC	13965086.9118	3034985.4624
217	BC	13965085.9359	3034985.2442
218	BC	13965064.6717	3035080.3176
219	BC	13965065.6387	3035080.5756
220	BC	13965037.4348	3035202.0951
221	BC	13965038.4021	3035202.3518
222	BC	13965000.6958	3035370.9385
223	BC	13964999.7199	3035370.7202
224	EC	13965182.8991	3034921.2197
225	EC	13965246.2602	3034920.4297
226	EC	13965277.9021	3034919.2507
227	GI	13965201.7779	3035086.4365
228	GI	13965195.8071	3035090.2246
229	GI	13965041.8888	3035062.7094
230	GI	13965035.9567	3035066.5578
231	GI	13965013.8543	3035190.6137
232	GI	13965007.8949	3035194.4198
233	GI	13965170.2915	3035227.2746
234	GI	13965164.3208	3035231.0627
235	GI	13965141.6781	3035353.0896
236	GI	13965136.9190	3035356.1475
237	GI	13964982.9533	3035326.8162

Point Table

Point #	Raw Description	Northing	Easting
238	GI	13964976.9602	3035330.5689
239	S.E.T.	13965006.9444	3034954.9885
240	S.E.T.	13964994.5206	3034968.5035
241	S.E.T.	13964989.7075	3035060.1038
242	S.E.T.	13964975.6033	3035054.7716
243	S.E.T.	13964961.6217	3035185.1412
244	S.E.T.	13964947.8416	3035179.0198
245	S.E.T.	13964931.3537	3035298.3896
246	S.E.T.	13964923.7011	3035289.6146
247	R	13965011.0803	3034951.5986
248	R	13964995.4452	3035087.2803
249	R	13964912.0271	3035073.2578
250	R	13964992.4499	3035371.4603
251	R	13965049.0553	3035384.1334
252	R	13965105.9002	3035377.6758
253	R	13965090.6698	3035377.0486
254	R	13965155.0755	3035407.8460
255	R	13965211.9203	3035401.3884
256	R	13965196.6900	3035400.7612
257	R	13965261.0956	3035431.5587
258	R	13965299.4913	3035422.8982
259	R	13965258.7868	3035014.8183
260	R	13965243.5565	3035014.1911
261	R	13965226.2602	3034920.4297
262	R	13965188.1272	3034927.2687
263	R	13965137.5363	3034990.4785
264	R	13965194.3812	3034984.0209
265	RIP RAP	13964938.6551	3035293.6783
266	RIP RAP	13964910.2950	3035290.7753
267	RIP RAP	13964936.2597	3035186.8635
268	RIP RAP	13964968.3550	3035176.2768
269	RIP RAP	13964964.4242	3035063.1226
270	RIP RAP	13964995.8877	3035051.1930
271	RIP RAP	13964989.7588	3034979.1703
272	RIP RAP	13965007.6452	3034947.2402
273	EC/RIP RAP	13964991.6870	3034964.4301
274	EC/RIP RAP	13964986.9038	3034975.0656
275	EC/RIP RAP	13964974.9994	3035059.4941
276	EC/RIP RAP	13964965.8490	3035052.2152
277	EC/RIP RAP	13964946.9761	3035183.6762
278	EC/RIP RAP	13964938.2246	3035176.0402
279	EC/RIP RAP	13964921.1700	3035293.3703
280	EC/RIP RAP	13964916.8797	3035281.9413
281	EC	13964940.0969	3035007.6213
282	EC	13964936.6733	3035002.6939
283	EC/RIP RAP	13964918.0668	3035028.7860
284	EC/RIP RAP	13964913.2805	3035025.1678
285	EC/RIP RAP	13964904.9222	3035046.1742
286	EC/RIP RAP	13964915.7434	3035045.5055
287	EC/RIP RAP	13964914.9470	3035051.4524
288	EC	13964894.4773	3035059.9911
289	EC	13964856.4246	3034959.4066
290	EC	13964850.4448	3034960.0347
291	EC/RIP RAP	13964861.7548	3035093.3279
292	EC/RIP RAP	13964856.0504	3035100.8739
293	EC/RIP RAP	13964856.7540	3035109.8929
294	EC/RIP RAP	13964815.5840	3035164.3541
295	EC/RIP RAP	13964847.5085	3035160.0418
296	EC/RIP RAP	13964846.4681	3035165.9509
297	EC/RIP RAP	13964800.8127	3035183.8940
298	EC/RIP RAP	13964793.3537	3035193.7611
299	EC/RIP RAP	13964774.3234	3035208.9854
300	EC/RIP RAP	13964779.1097	3035212.6036
301	EC/RIP RAP	13964782.9088	3035207.5779
302	EC/RIP RAP	13964814.5958	3035203.9882
303	EC/RIP RAP	13964818.4514	3035199.3910
304	EC	13964864.8003	3035246.0939
305	EC	13964868.5177	3035241.3809
306	R	13964838.3053	3035212.2366
307	R	13964800.4586	3035220.8447
308	RIP RAP	13964725.8885	3035265.2537
309	RIP RAP	13964729.8805	3035281.1617
310	S.E.T.	13964739.1422	3035261.3935
311	S.E.T.	13964729.8100	3035268.3557
312	BC	13965406.3610	3034903.7128
313	BC	13965410.7857	3034899.0246
314	EC	13965180.5519	3034874.8111
315	EC	13965210.9287	3034841.6110
316	EC	13965211.6816	3034858.5648

Point Table

Point #	Raw Description	Northing	Easting
317	EC	13965242.0584	3034825.3647
318	EC	13965245.6054	3034905.2393
319	EC	13965382.3090	3034914.9015
320	EC	13965381.6730	3034899.7461
321	EC	13965410.7778	3034898.5247
322	EC	13965703.1416	3034685.2895
323	EC	13965698.2648	3034684.1863
324	EC	13965679.1794	3034768.5591
325	EC	13965683.9375	3034770.1871
326	EC	13965651.7904	3034889.6405
327	EC	13965656.7135	3034890.5388
328	EC	13965594.3867	3034612.9671
329	EC	13965112.5970	3034339.6554
330	R	13965410.8571	3034903.5241
331	BC	13965392.6484	3034325.4844
332	BC	13965397.4667	3034320.3140
333	BC	13965396.9284	3034304.8177
334	BC	13965451.8952	3034302.9081
335	BC	13965452.4383	3034318.5418
336	BC	13965457.5918	3034323.3657
337	BC	13965467.7264	3034323.1259
338	BC	13965472.5833	3034317.9867
339	BC	13965472.1456	3034302.4929
340	BC	13965509.1309	3034301.4483
341	BC	13965509.5685	3034316.9421
342	BC	13965514.7077	3034321.7989
343	BC	13965522.5492	3034321.4900
344	BC	13965527.3674	3034316.3719
345	BC	13965526.9899	3034300.8136
346	BC	13965558.1087	3034300.0586
347	BC	13965557.6808	3034317.5530
348	BC	13965561.5330	3034322.5422
349	BC	13965613.1049	3034584.9857
350	CHAINLINK FENCE	13965650.3945	3034893.5451
351	BC	13965600.0153	3034585.6479
352	BC	13965594.7678	3034580.4299
353	BC	13965614.1296	3034611.9709
354	EC	13965132.7729	3034813.2304
355	EC	13965102.3961	3034846.4305
356	EC	13965100.8903	3034812.5228
357	EC	13965070.5135	3034845.7229
358	EC	13965073.3206	3034899.9593
359	EC	13965080.3435	3034908.2770
360	EC	13965072.1085	3034906.9802
361	EC	13965062.0400	3034905.3230
362	EC	13965026.4276	3034867.3066
363	EC	13965023.1988	3034794.5965
364	EC	13965014.5148	3034791.4431
365	EC	13965127.9793	3034912.1776
366	EC	13965148.5819	3034915.5697
367	R	13965130.5719	3034876.3730
368	R	13965116.4223	3034895.8547
369	R	13965082.3086	3034899.4941
370	R	13965018.2037	3034794.8183
371	R	13965012.0637	3034900.5997
372	R	13965240.6103	3034905.4611
373	R	13965071.4613	3034860.8091
374	BC	13965184.2190	3034334.3339
375	BC	13965180.7234	3034334.5637
376	R	13965183.8907	3034329.3447
377	BC	13965177.8789	3034314.2066
378	BC	13965111.9890	3034318.5633
379	BC	13965042.1752	3034323.1795
380	BC	13965043.2431	3034339.3301
381	R	13965038.2540	3034339.6600
382	R	13965039.4944	3034344.5037
383	R	13965178.9017	3034329.6747
384	BC	13965245.1059	3034905.2615
385	BC	13965237.2903	3034902.4235
386	BC	13965205.1182	3034902.0323
387	BC	13965127.2519	3034873.3353
388	BC	13965135.0675	3034876.1734
389	BC	13965135.9031	3034894.9896
390	BC	13965112.1646	3034914.8842
391	BC	13965080.4527	3034907.7891
392	BC	13965076.0375	3034893.7563
393	BC	13965095.0798	3034872.9442
394	BC	13965112.7865	3034889.1451
395	BC	13964989.8000	3034818.4210

Point Table

Point #	Raw Description	Northing	Easting
396	BC	13964993.5656	3034900.8587
397	BC	13964998.5592	3034913.2445
398	RIP RAP	13964948.6928	3034837.4185
399	RIP RAP	13964958.0005	3034820.9876
400	EC/RIP RAP	13964958.2232	3034825.9826
401	EC/RIP RAP	13964948.4701	3034832.4235
402	S.E.T.	13964958.2784	3034827.3771
403	S.E.T.	13964969.6380	3034829.9306
404	RIP RAP	13964958.6829	3034836.9731
405	EC/RIP RAP	13964896.6304	3034834.7350
406	EC/RIP RAP	13964895.8209	3034828.7652
407	R	13964909.8175	3034891.2017
408	EC/RIP RAP	13964853.2097	3034878.6338
409	EC/RIP RAP	13964847.2191	3034878.9901
410	EC/RIP RAP	13964852.5721	3034862.6151
411	EC/RIP RAP	13964846.6034	3034863.5196
412	EC	13964842.9031	3034770.5509
413	EC	13964848.8868	3034770.0216
414	EC	13964839.6811	3034689.6000
415	EC	13964845.7146	3034690.3215
416	EC	13964841.9812	3034596.5205
417	EC	13964835.9859	3034596.7591
418	BC/EC	13965369.0876	3034972.3679
419	BC/EC	13965371.8745	3034960.8639
420	BC/EC	13965318.3224	3034947.9398
421	BC/EC	13965315.3233	3034960.3387
422	RIP RAP	13964921.2577	3035031.1981
423	RIP RAP	13964929.0008	3035043.2451
424	RIP RAP	13964913.6997	3035041.1961
425	RIP RAP	13964927.1427	3035057.1213
426	RIP RAP	13964907.4569	3035062.0174
427	RIP RAP	13964893.6589	3035067.7069
428	EC/RIP RAP	13964890.4680	3035065.2947
429	EC/RIP RAP	13964885.6817	3035061.6765
430	RIP RAP	13964882.4908	3035059.2644
431	RIP RAP	13964910.0897	3035022.7557
432	EC/RIP RAP	13964928.4699	3035047.2097
433	EC/RIP RAP	13964927.6736	3035053.1567
434	EC/RIP RAP	13964855.1927	3035079.3235
435	EC/RIP RAP	13964861.2679	3035079.4187
436	EC/RIP RAP	13964870.6262	3035081.5925
437	EC/RIP RAP	13964875.2440	3035085.4335
438	EC/RIP RAP	13964838.4304	3035134.1408
439	EC/RIP RAP	13964833.5220	3035130.6551
440	EC/RIP RAP	13964840.4496	3035225.6714
441	EC/RIP RAP	13964844.3052	3035221.0742
442	EC/RIP RAP	13964871.4703	3035164.2401
443	EC/RIP RAP	13964870.4349	3035170.1501
444	RIP RAP	13964843.3202	3035137.6132
445	RIP RAP	13964848.5440	3035154.1318
446	RIP RAP	13964872.5082	3035158.3306
447	RIP RAP	13964869.4017	3035176.0605
448	RIP RAP	13964845.4376	3035171.8617
449	RIP RAP	13964822.3070	3035194.7938
450	RIP RAP	13964848.1608	3035216.4770
451	RIP RAP	13964836.5940	3035230.2687
452	RIP RAP	13964810.7402	3035208.5855
453	RIP RAP	13964783.8959	3035216.2218
454	RIP RAP	13964769.5371	3035205.3672
455	RIP RAP	13964828.6378	3035127.1867
456	RIP RAP	13964851.1959	3035079.4826
457	RIP RAP	13964852.0536	3035101.0329
458	RIP RAP	13964851.9677	3035106.2747
459	RIP RAP	13964861.5402	3035113.5111
460	RIP RAP	13964880.0303	3035089.0517
461	SILT FENCE	13965514.6103	3035545.9739
462	SILT FENCE	13965553.8191	3035365.1222
463	SILT FENCE	13965593.8055	3035180.6839
464	SILT FENCE	13965610.4194	3035104.0523
465	SILT FENCE	13965616.1636	3035086.1343
466	SILT FENCE	13965627.4642	3035030.7504
467	SILT FENCE	13965656.0610	3034907.9149
468	SILT FENCE	13965512.0383	3035502.3968
469	SILT FENCE	13965311.9886	3035505.3416
470	CHAINLINK FENCE	13965514.8624	3035496.3559
471	CHAINLINK FENCE	13965312.2053	3035493.5433
472	CHAINLINK FENCE	13965547.1565	3035353.6805
473	CHAINLINK FENCE	13965547.8379	3035334.7953
474	CHAINLINK FENCE	13965552.2676	3035315.2025

Point Table

Point #	Raw Description	Northing	Easting
475	CHAINLINK FENCE	13965560.4072	3035295.0725
476	CHAINLINK FENCE	13965608.6550	3035081.6714
477	CHAINLINK FENCE	13965564.0139	3035072.4593
478	CHAINLINK FENCE	13965576.3641	3035017.4794
479	CHAINLINK FENCE	13965620.1212	3035027.3774
480	CHAINLINK FENCE	13965648.3748	3034902.4740
481	LIGHT POLE	13965320.7490	3035289.4546
482	LIGHT POLE	13965407.2586	3035428.6887
483	LIGHT POLE	13965426.7674	3035313.1750
484	LIGHT POLE	13965467.5130	3035130.9998
485	LIGHT POLE	13965497.2189	3034984.5898
486	LIGHT POLE	13965334.2880	3034940.3487
487	LIGHT POLE	13965361.4945	3035107.2794
488	LIGHT POLE	13965183.0199	3035410.5883
489	LIGHT POLE	13965293.5467	3035433.4262
490	LIGHT POLE	13965255.4744	3035083.5668
491	LIGHT POLE	13965149.4542	3035059.8542
492	LIGHT POLE	13965101.3004	3035275.1522
493	LIGHT POLE	13965207.3205	3035298.8648
494	LIGHT POLE	13965080.8414	3035388.5644
495	CHAINLINK FENCE	13965125.9798	3035490.9588
496	CHAINLINK FENCE	13964910.7479	3035438.0383
497	CHAINLINK FENCE	13965267.5697	3035492.9238
498	SILT FENCE	13965205.5515	3035507.1189
499	SILT FENCE	13965008.6184	3035474.8791
500	SILT FENCE	13964927.2662	3035447.4666
501	SILT FENCE	13964905.5440	3035442.1309
502	CHAINLINK FENCE	13964660.7989	3035211.6345
503	CHAINLINK FENCE	13964715.3516	3035068.3684
504	CHAINLINK FENCE	13964792.8615	3035360.9436
505	CHAINLINK FENCE	13965697.7771	3034684.0760
506	CHAINLINK FENCE	13965698.6232	3034663.9658
507	CHAINLINK FENCE	13965618.0818	3034667.5088
508	CHAINLINK FENCE	13965608.1745	3034439.1960
509	CHAINLINK FENCE	13965601.2100	3034274.3780
510	CHAINLINK FENCE	13965480.0050	3034280.8215
511	CHAINLINK FENCE	13965309.0725	3034288.3709
512	SILT FENCE	13965705.5978	3034685.5493
513	R	13965599.7627	3034580.6542
514	R	13965562.6793	3034317.6753
515	R	13965522.3689	3034316.4932
516	R	13965514.5665	3034316.8009
517	R	13965467.5853	3034318.1279
518	R	13965457.4353	3034318.3682
519	R	13965392.4697	3034320.4876
520	CHAINLINK FENCE	13965210.8600	3034290.5550
521	CHAINLINK FENCE	13965188.1345	3034311.9610
522	CHAINLINK FENCE	13965040.1962	3034320.7150
523	CHAINLINK FENCE	13964952.7070	3034385.1400
524	CHAINLINK FENCE	13964953.8495	3034513.5490
525	CHAINLINK FENCE	13964860.2901	3034518.6752
526	SILT FENCE	13964860.7863	3034511.5610
527	SILT FENCE	13964944.3598	3034497.5975
528	SILT FENCE	13964945.3820	3034389.0233
529	SILT FENCE	13964683.4772	3034521.1483
530	SILT FENCE	13964847.6656	3034512.5098
531	SILT FENCE	13964693.0790	3034730.7107
532	SILT FENCE	13964703.1069	3034949.5724
533	CHAINLINK FENCE	13964710.3582	3034952.3336
534	CHAINLINK FENCE	13964700.8389	3034731.1320
535	CHAINLINK FENCE	13964692.0926	3034527.8910
536	CHAINLINK FENCE	13964851.2854	3034519.1686
537	EC/RIP RAP	13964851.4975	3034835.6159
538	EC/RIP RAP	13964845.5023	3034835.8545
539	EC/RIP RAP	13964853.5254	3034886.5652
540	EC/RIP RAP	13964847.5301	3034886.8038
541	RIP RAP	13964858.5214	3034886.3664
542	RIP RAP	13964858.2322	3034879.0986
543	RIP RAP	13964843.5333	3034886.9629
544	RIP RAP	13964841.5054	3034836.0136
545	RIP RAP	13964872.6188	3034853.4686
546	RIP RAP	13964871.8488	3034834.8059
547	RIP RAP	13964897.7675	3034839.6040
548	RIP RAP	13964895.2956	3034824.7846
549	SIGN	13964985.6134	3035362.6053
550	SIGN	13965045.6155	3034966.4197

LEGEND

BC	BACK OF CURB
EC	EDGE OF CONCRETE
GI	GRATE INLET
R	RADIUS
S.E.T.	SAFETY END TREATMENT
SW	SIDEWALK

Coordinate Table

N.T.S.

1

REVISIONS	DATE
1	----
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DRAWN BY: TW
APPV'D BY: MH
ISSUED: 4/2/2026

T.B.P.E.L.S FIRM NO. F-413
T.B.A.E. FIRM NO. BR 351
T.B.P.E.L.S FIRM NO. 10110900

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ARCHITECTURE - ENGINEERING - INTERIORS
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4077 CROSS PARK DR. STE. 100 - BRYAN, TEXAS 77802 - (979) 776-9700
415 RICE ROAD STE. 117 - TYLER, TEXAS 75703 - (903) 581-3800
613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

MICHAEL G. HOLMES
148750
Michael Holmes
04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Coordinate Table

JOB NUMBER
364003

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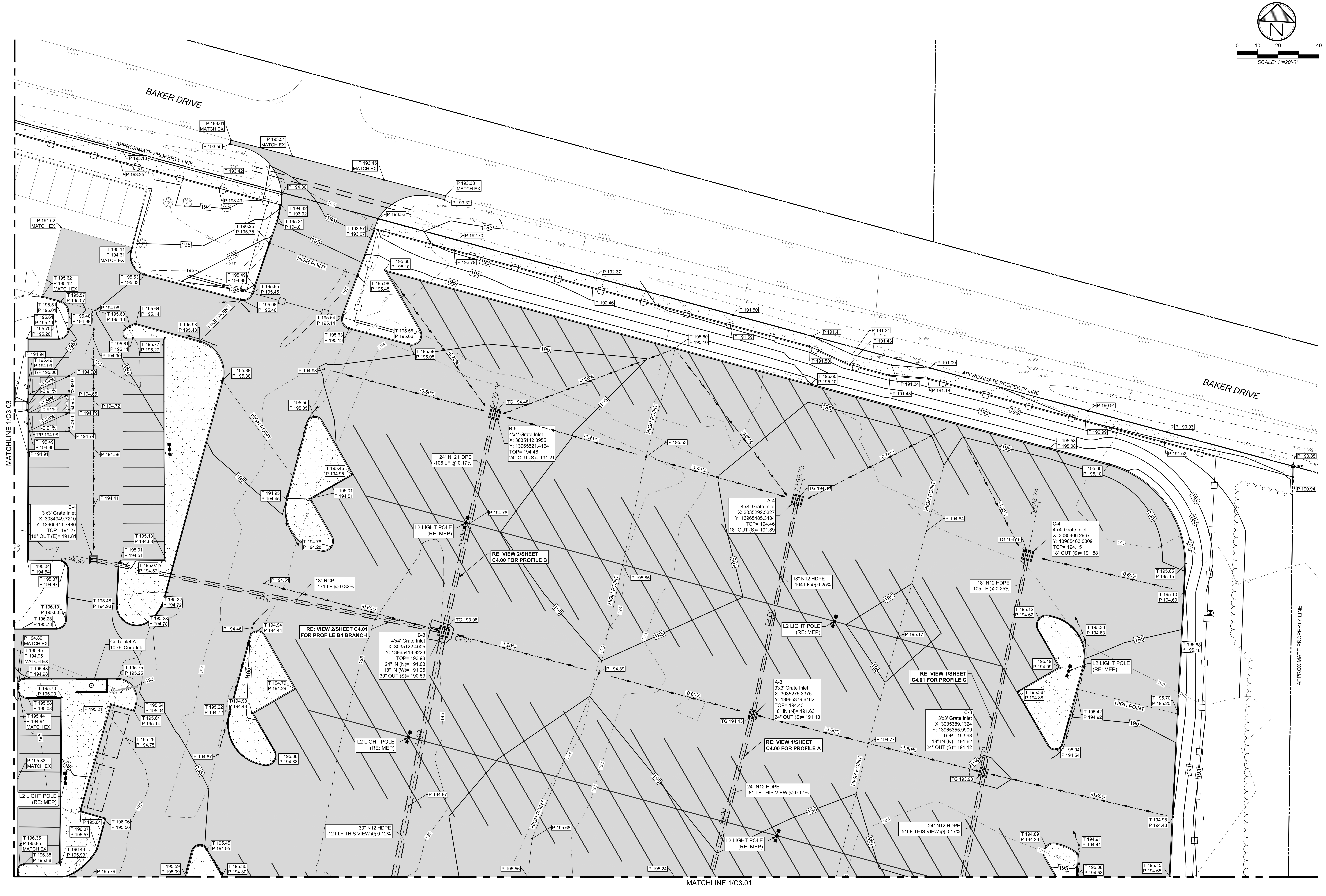

Grading and Utility Plan

1"=20'-0"

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REVISIONS

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TW	MH	4/2/2026

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T.B.P.E.L.S FIRM NO. 10110900

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455 RICE ROAD STE. 107 - TYLER, TEXAS 75703 - (903) 581-3805
613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

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Michael Holmes
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Transportation Facility Improvements
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Tomball, Texas
Grading & Utility Plan

JOB NUMBER
364003

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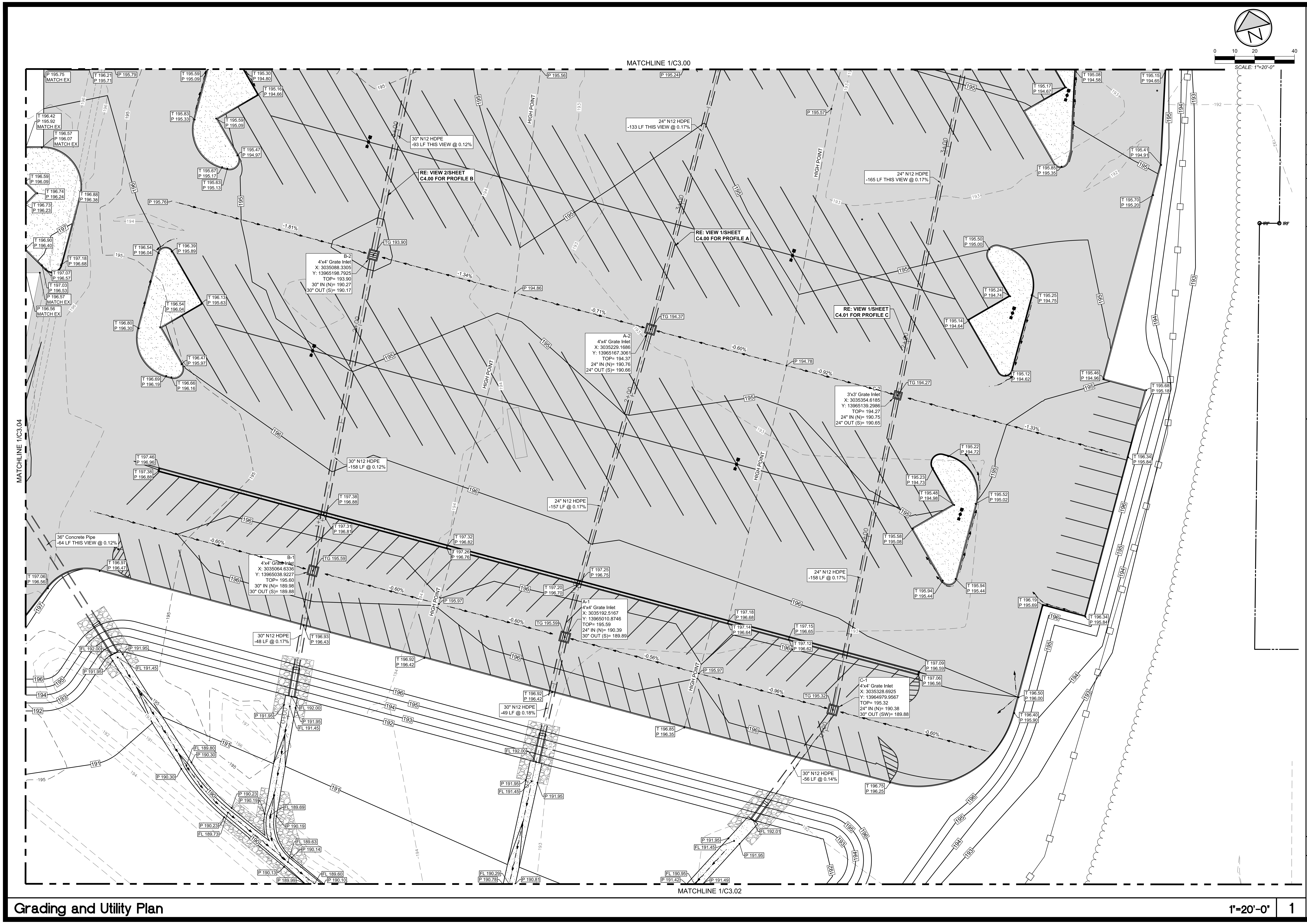

Grading and Utility Plan

1"=20'-0"

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REVISIONS

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364003

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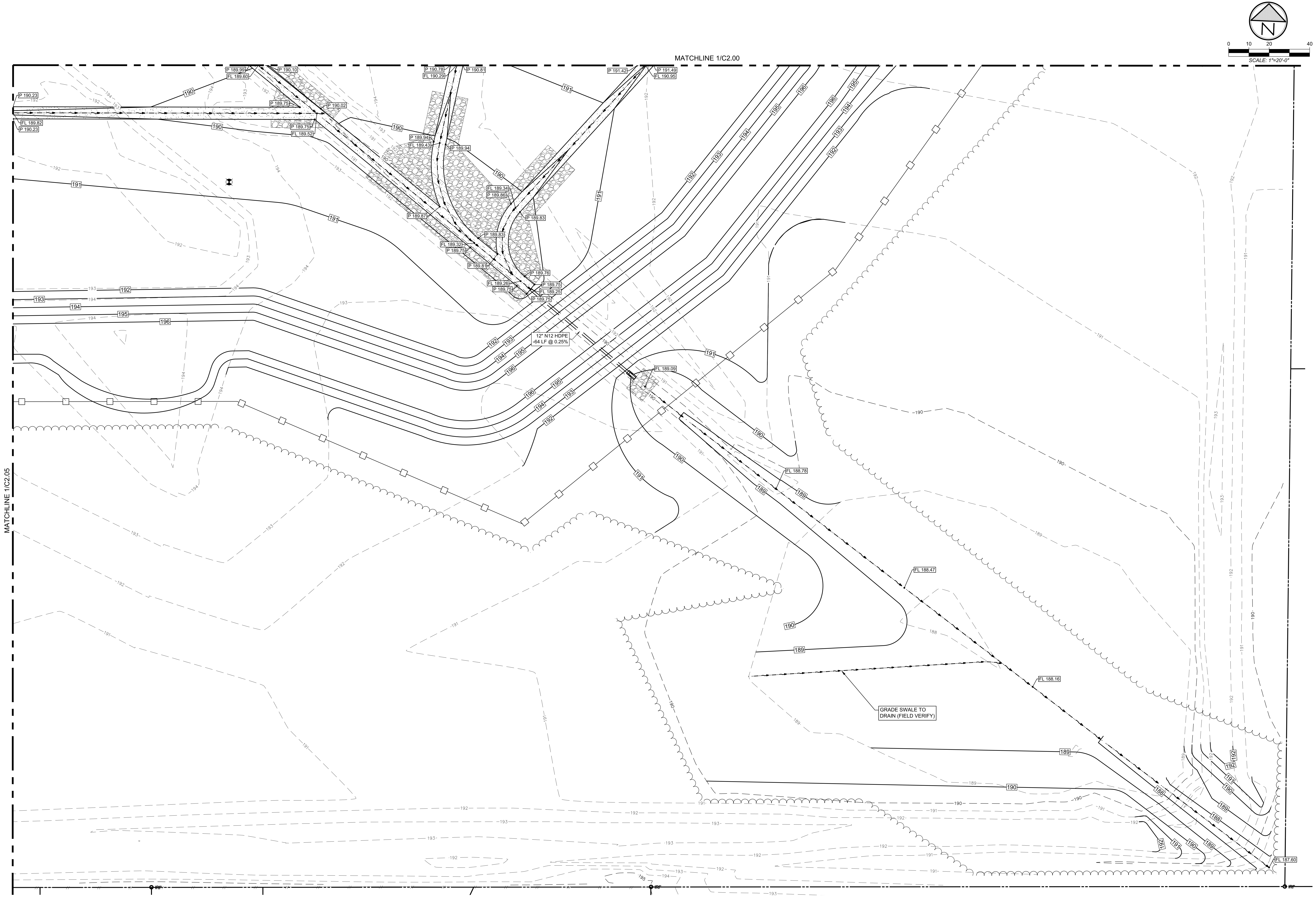

Grading and Utility Plan

1"=20'-0"

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Transportation Facility Improvements
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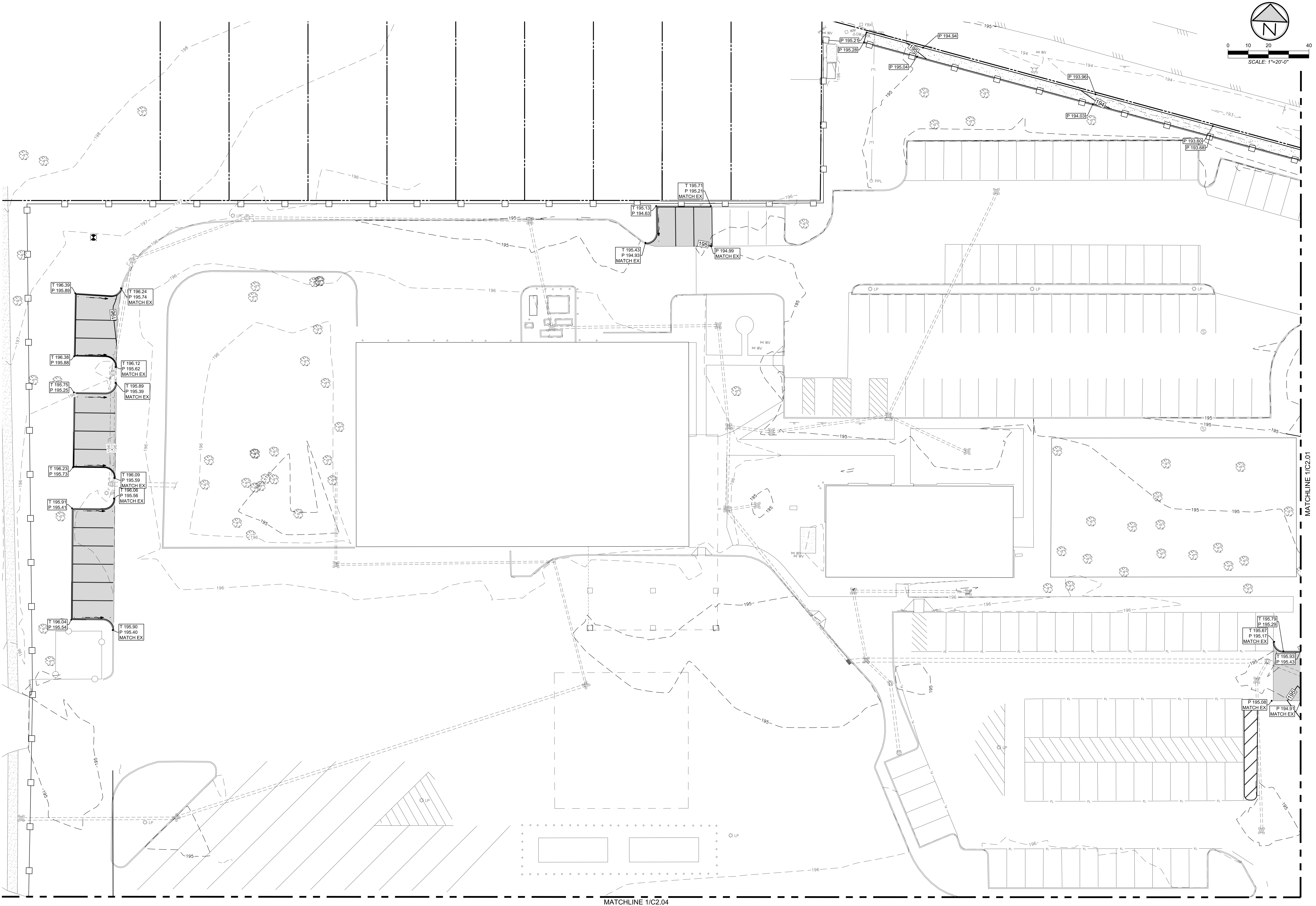

Grading and Utility Plan

1"=20'-0"

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364003

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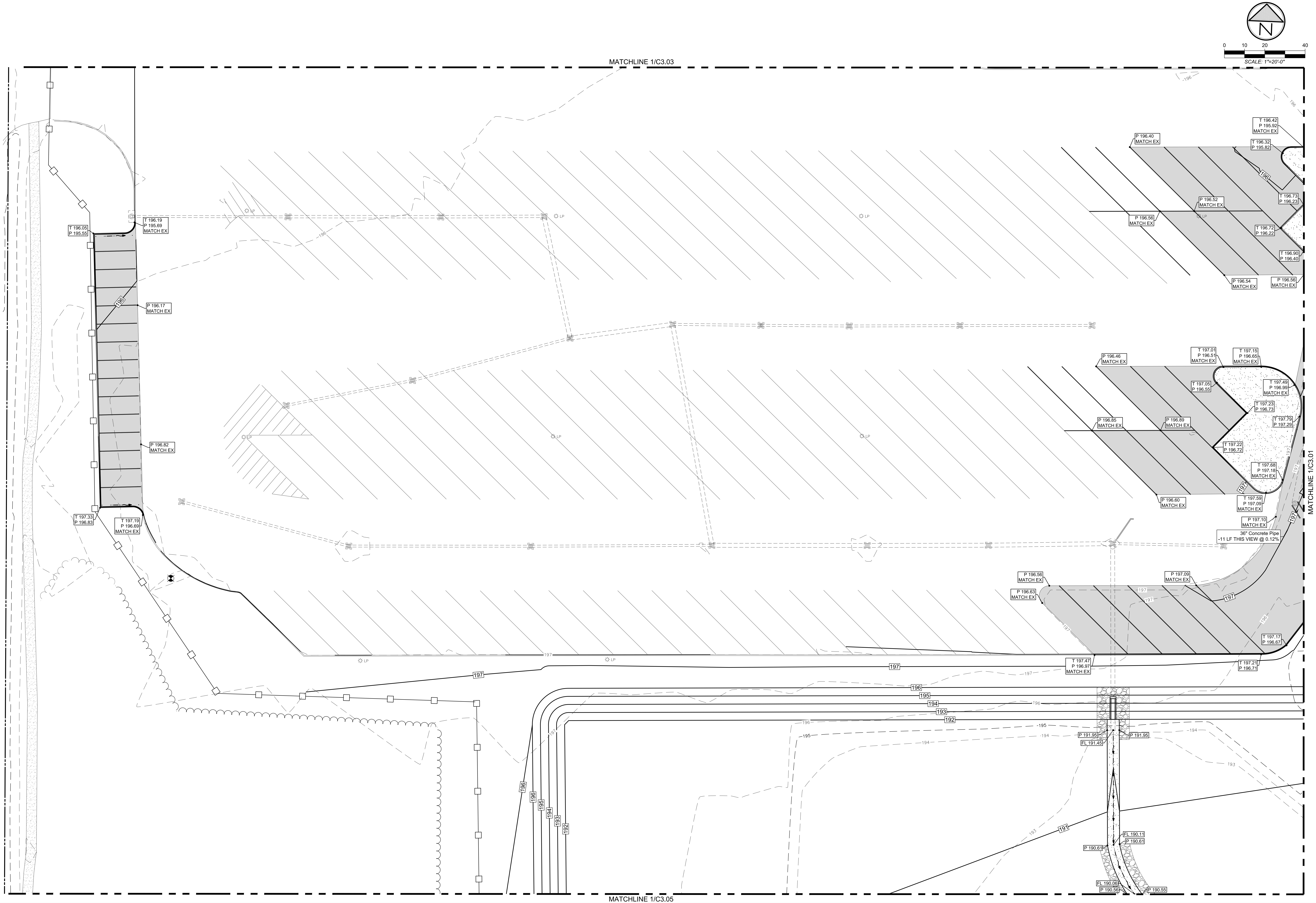

Grading and Utility Plan 1"=20'-0" 1

#	DATE	REVISIONS
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T.B.A.E. FIRM NO. BR 351
T.B.P.E.L.S FIRM NO. 10110900

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613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

MICHAEL G. HOLMES
148750
Michael Holmes
04/02/2026

Transportation Facility Improvements
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Tomball, Texas
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JOB NUMBER
364003

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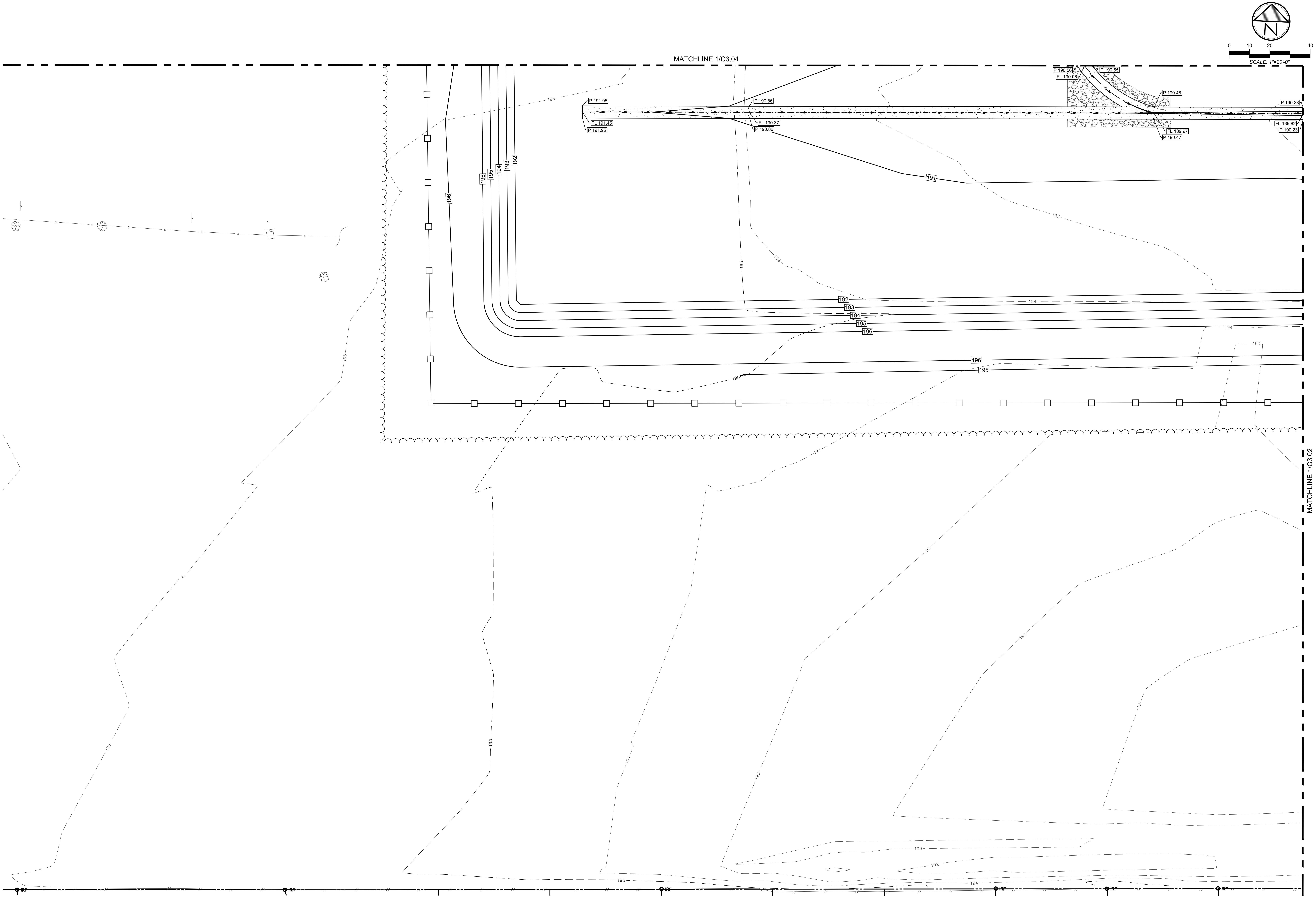

Grading and Utility Plan

1"=20'-0"

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T.B.A.E. FIRM NO. BR 351
T.B.P.E.L.S FIRM NO. 10110900

GLS
ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVEYING

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4077 CROSS PARK DR. STE. 100 - BRYAN, TEXAS 77802 - (979) 776-9700
455 RICE ROAD STE. 107 - TYLER, TEXAS 75703 - (903) 581-3805
613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

MICHAEL G. HOLMES
148750

Michael Holmes
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JOB NUMBER
364003

SHEET NO.
C3.05

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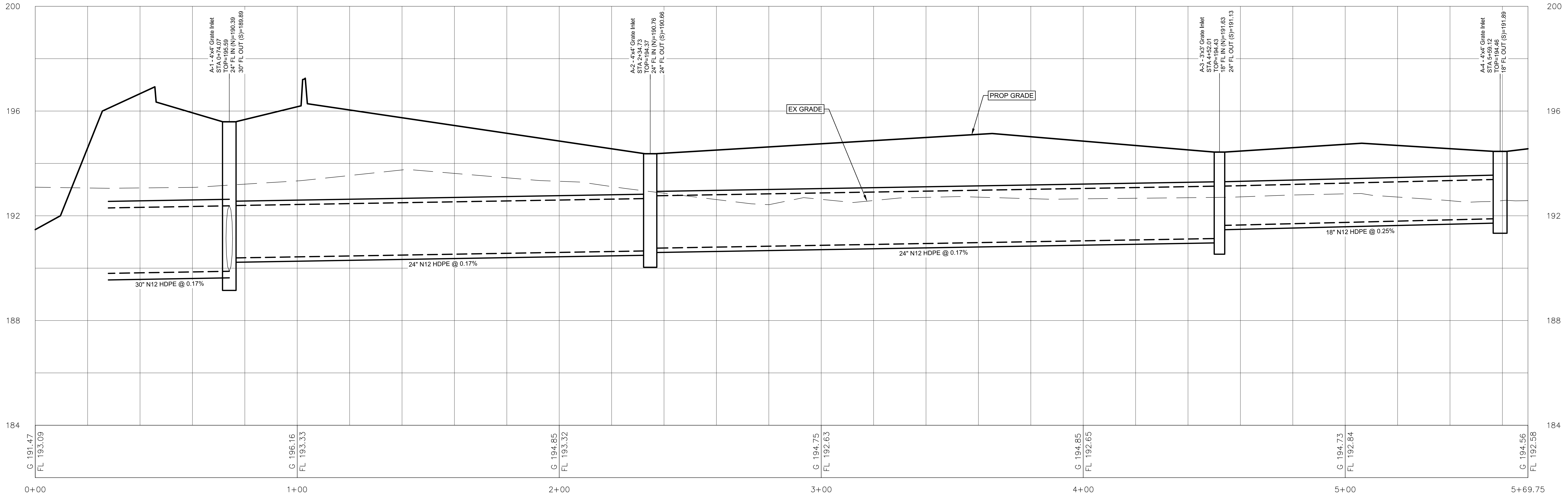
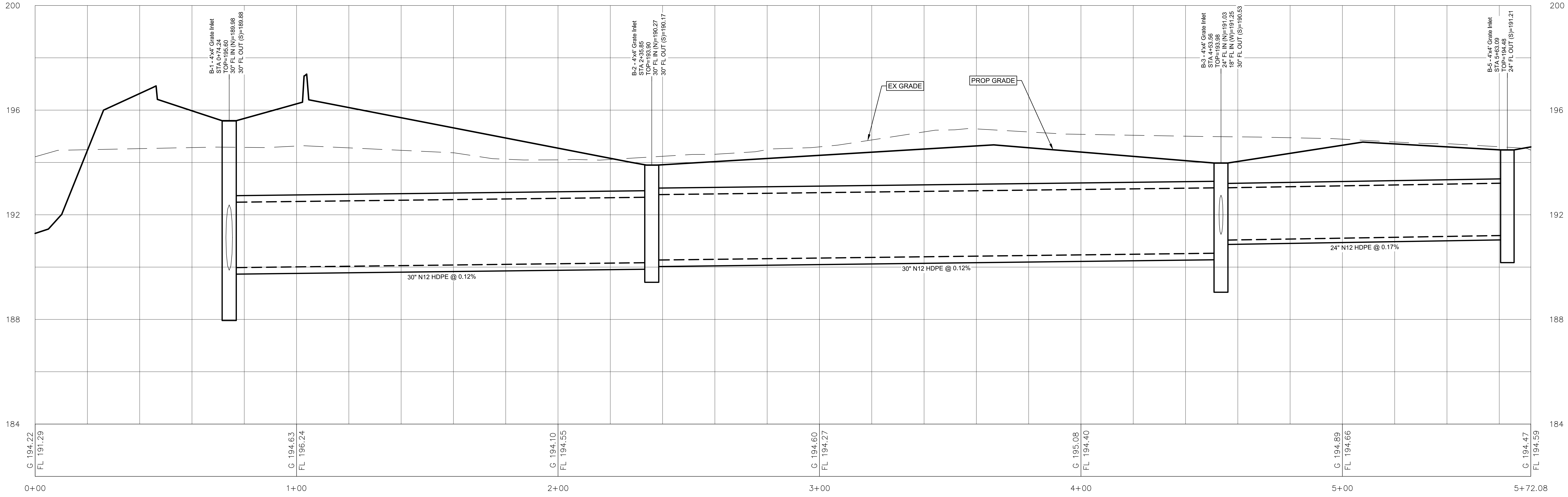
VERTICAL: 1"=2'-0"



Storm Sewer Profile A **Horizontal: 1'=20"-0"; Vertical: 1"=2'-0"** 1



Storm Sewer Profile B **Horizontal: 1'=20"-0"; Vertical: 1"=2'-0"** 2

#	DATE	REVISIONS
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DRAWN BY:	APPV'D BY:	ISSUED:
TW	MH	4/2/2026

T.B.P.E.L.S FIRM NO. F-413
T.B.A.E. FIRM NO. BR 351
T.B.P.E.L.S FIRM NO. 10110900

GLS
ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVEYING
1609 S. CHESTNUT ST. STE. 202 - LUFKIN, TEXAS 75901 - (936) 637-4900
4077 CROSS PARK DR. STE. 100 - BRYAN, TEXAS 77802 - (979) 776-9700
455 RICE ROAD STE. 107 - TYLER, TEXAS 75703 - (903) 581-3805
613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

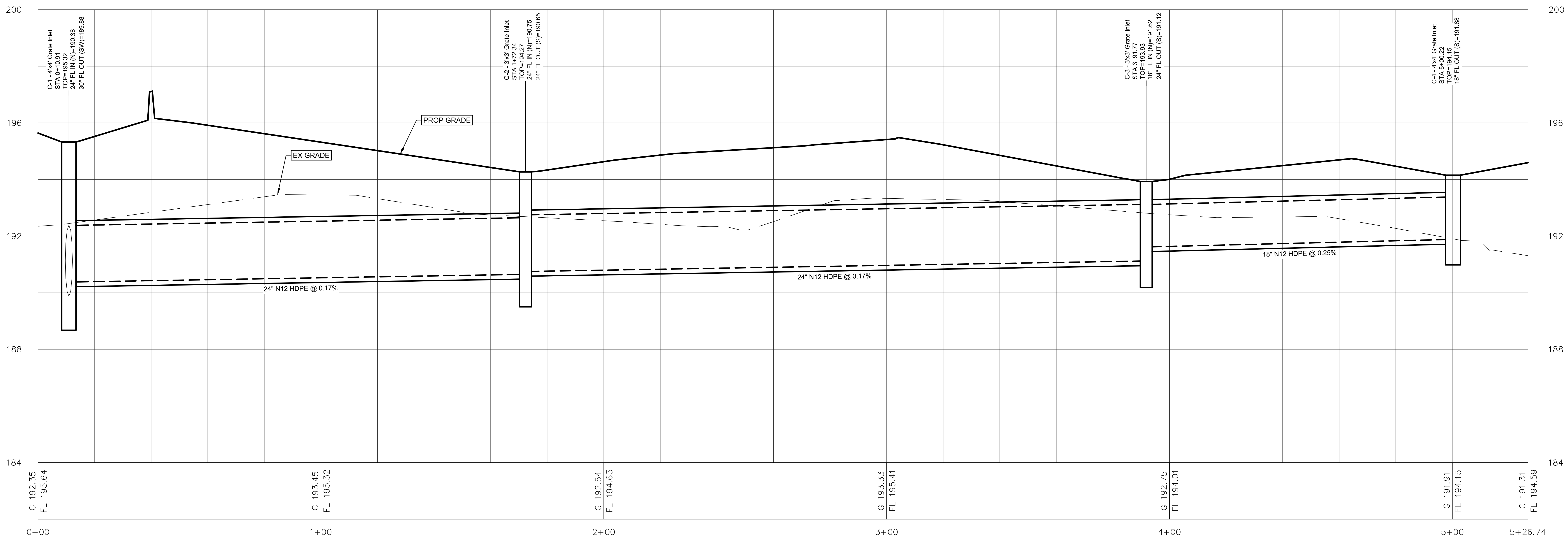
MICHAEL G. HOLMES
148750
Michael Holmes
04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Storm Sewer Profile

JOB NUMBER
364003

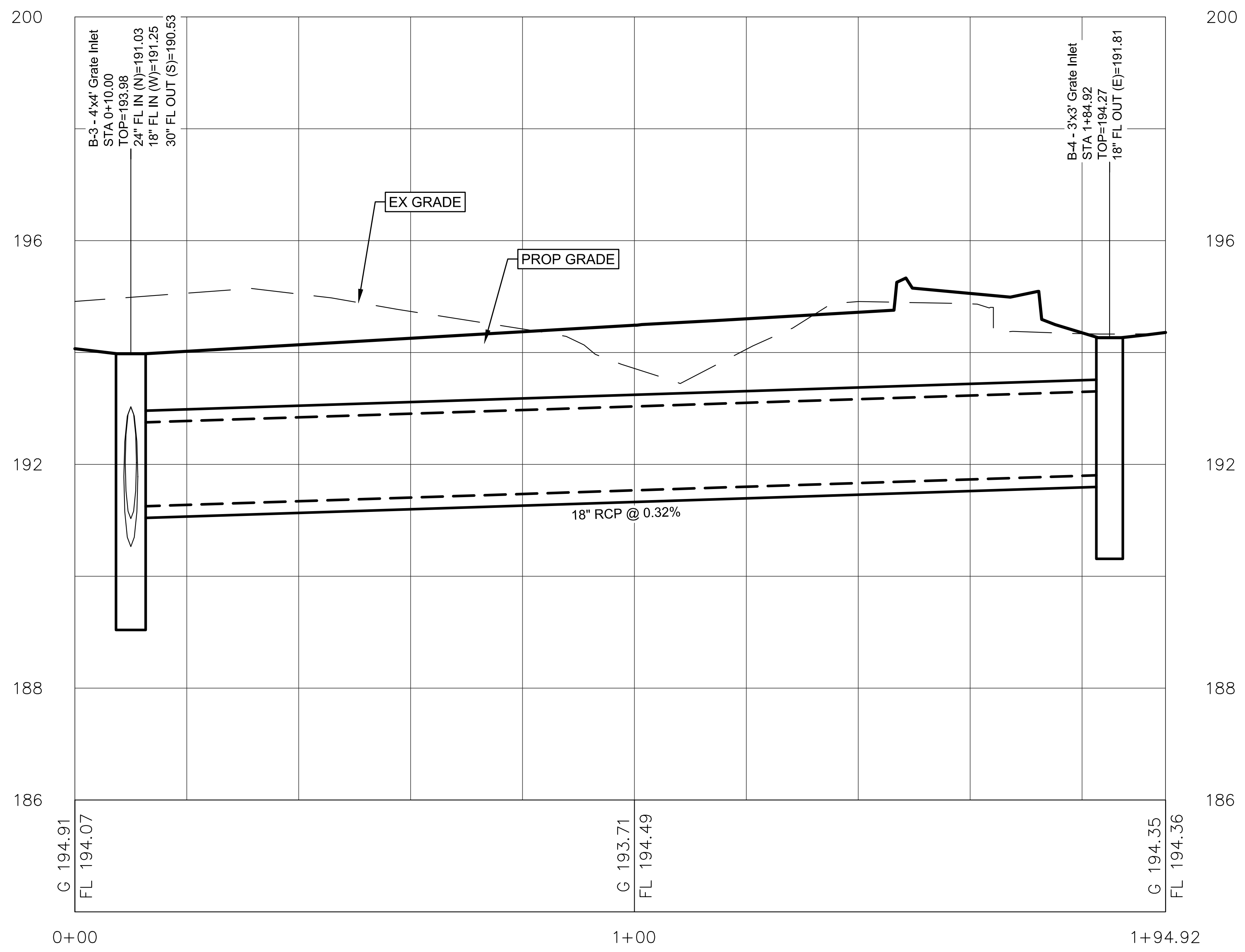
SHEET NO.
C4.00

0 10 20 40
HORIZONTAL: 1"=20'-0"
VERTICAL: 1"=2'-0"



Storm Sewer Profile C

Horizontal: 1"=20'-0"; Vertical: 1"=2'-0" 1



Storm Sewer Profile B4 Branch

Horizontal: 1"=20'-0"; Vertical: 1"=2'-0" 2

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2	----	----
3	----	----
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MICHAEL G. HOLMES
148750

Michael Holmes
04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Storm Sewer Profiles

JOB NUMBER
364003

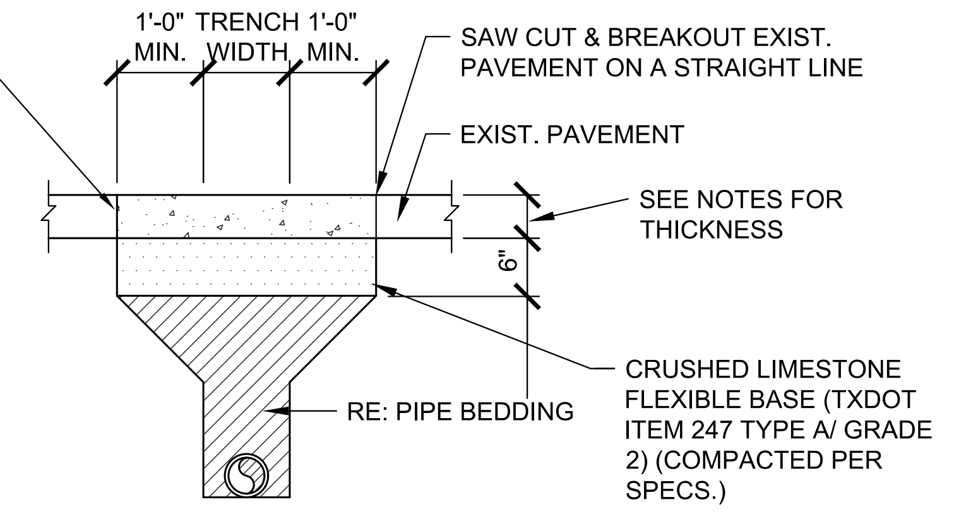
SHEET NO.
C4.01

NOTES:

1) CONCRETE:
5" THICK CONC. REINFORCED W/ 6X6-6 GA. WWF CTR. IN SLAB PROVIDE 18" LONG #5 SMOOTH DOWELS @ 12" SPACING BEWTEEN EXIST. AND PROP. PAVEMENT INSTALL BY DRILLING 6" INTO CENTER OF PAVEMENT.

2) ASPHALT:
1 1/2" HOT MIX ASPHALT SURFACE (TXDOT TYPE D)

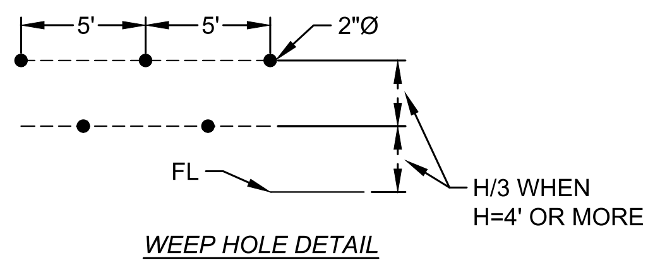
3) GRAVEL/DIRT:
4" OWNER APPROVED MIXTURE OF GRAVEL



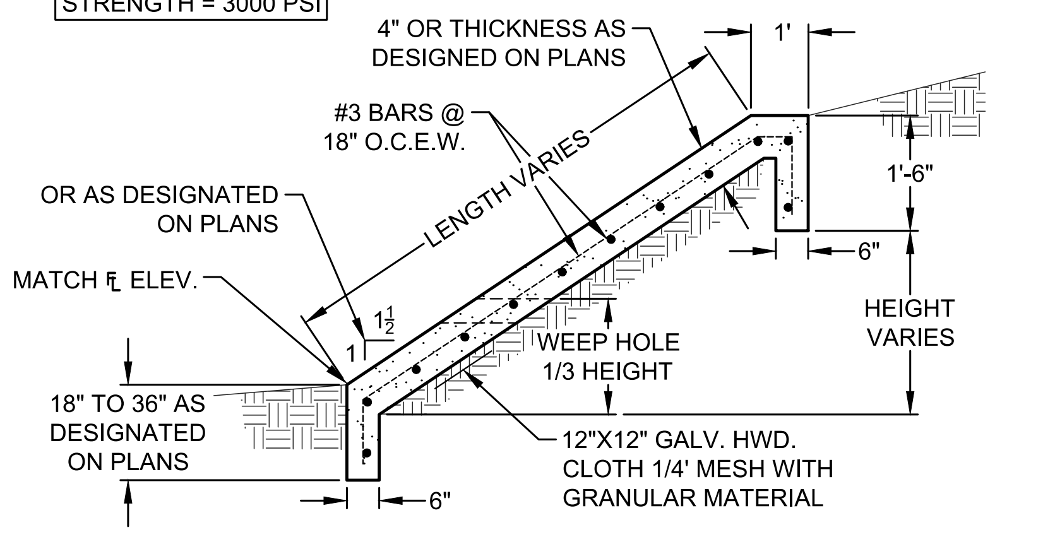
Concrete Pavement Repair N.T.S. 1

NOTE:
MIN. 18" TOE WALL TO BE CONSTRUCTED AT BEGINNING & AND OF CONCRETED DITCH CHANNEL & RIP-RAP SECTIONS

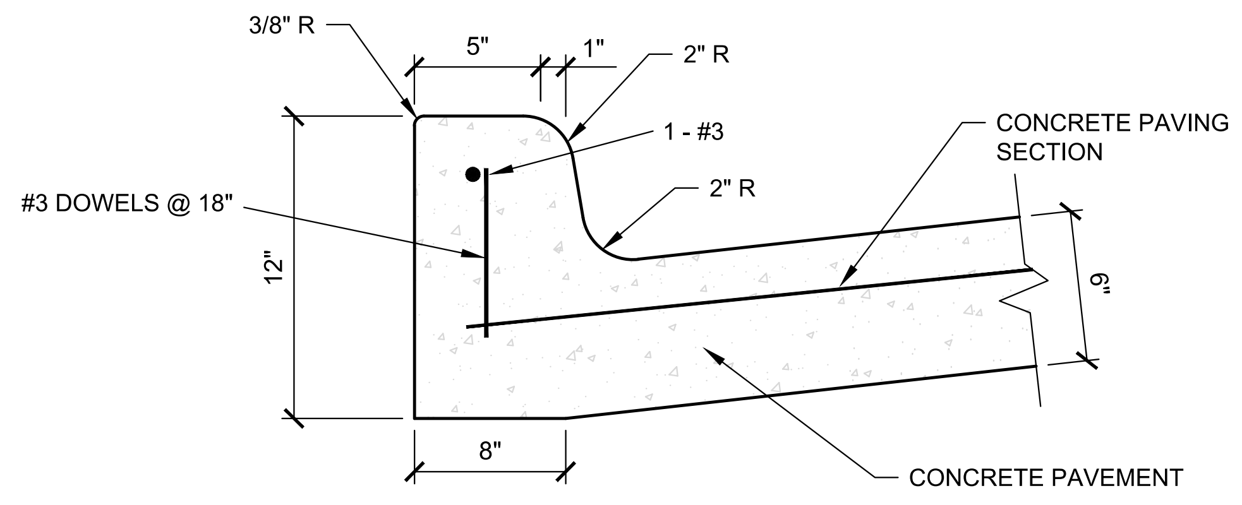
28-DAY CONCRETE STRENGTH = 3000 PSI



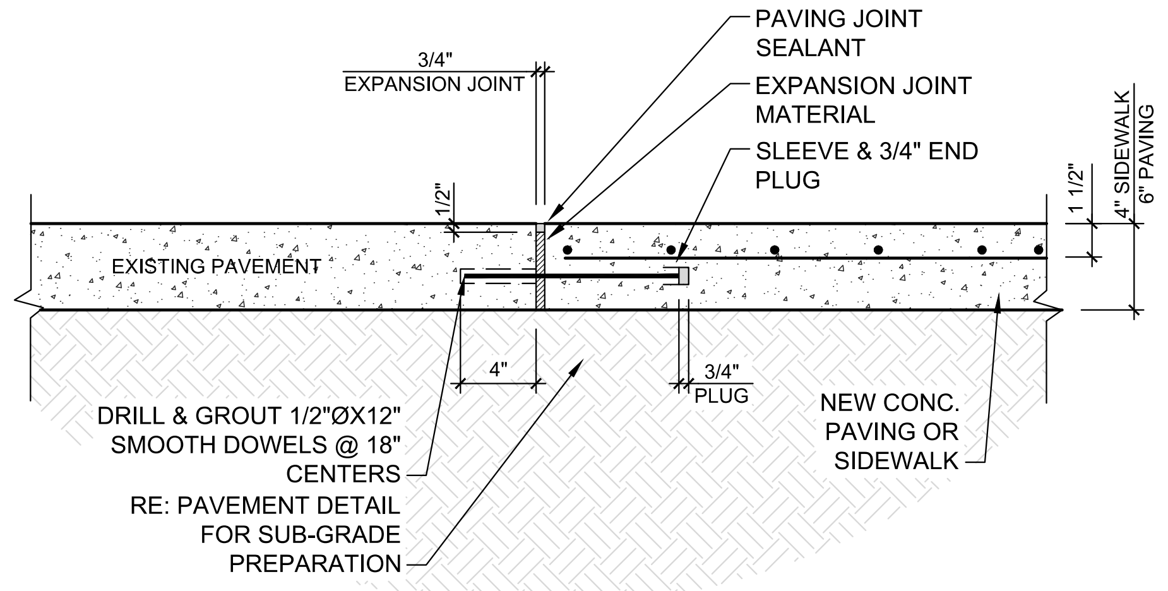
WEEP HOLE DETAIL



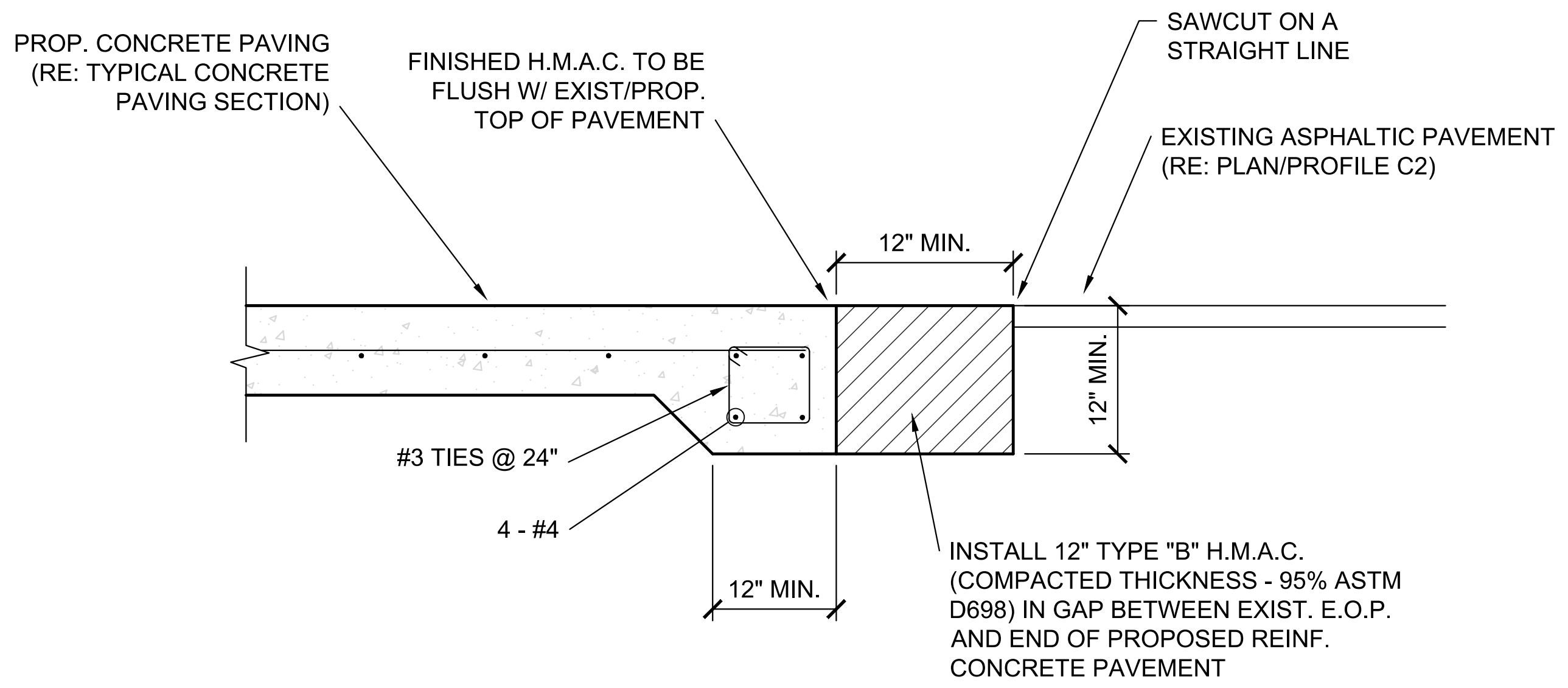
Concrete Slope Paving N.T.S. 2



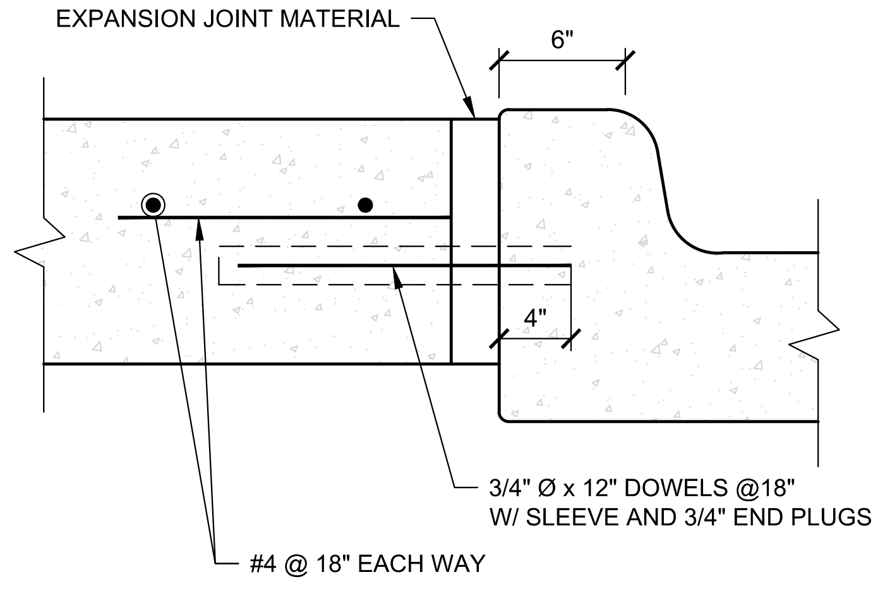
Monolithic Curb N.T.S. 3



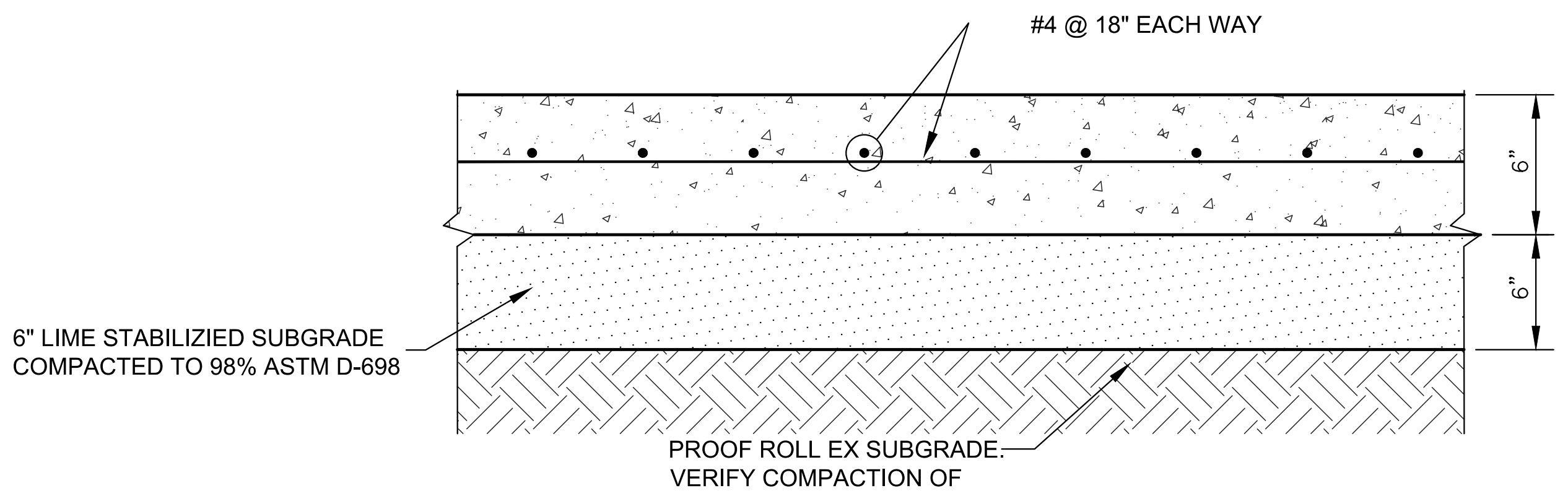
Concrete To Concrete Tie-In N.T.S. 4



Concrete To Asphalt Tie-In N.T.S. 5

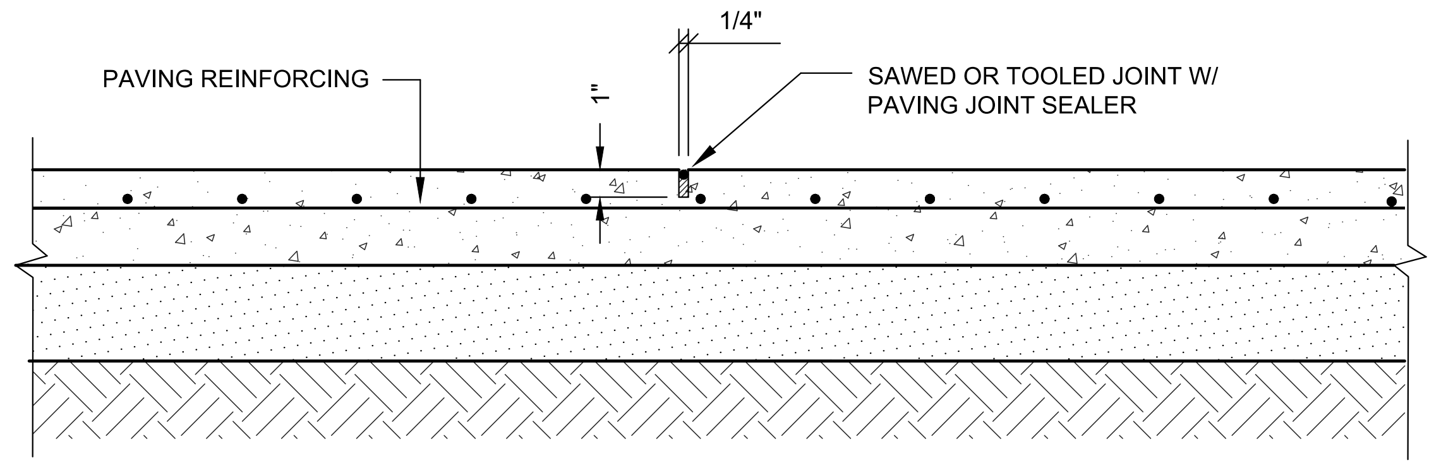


Concrete Island N.T.S. 6



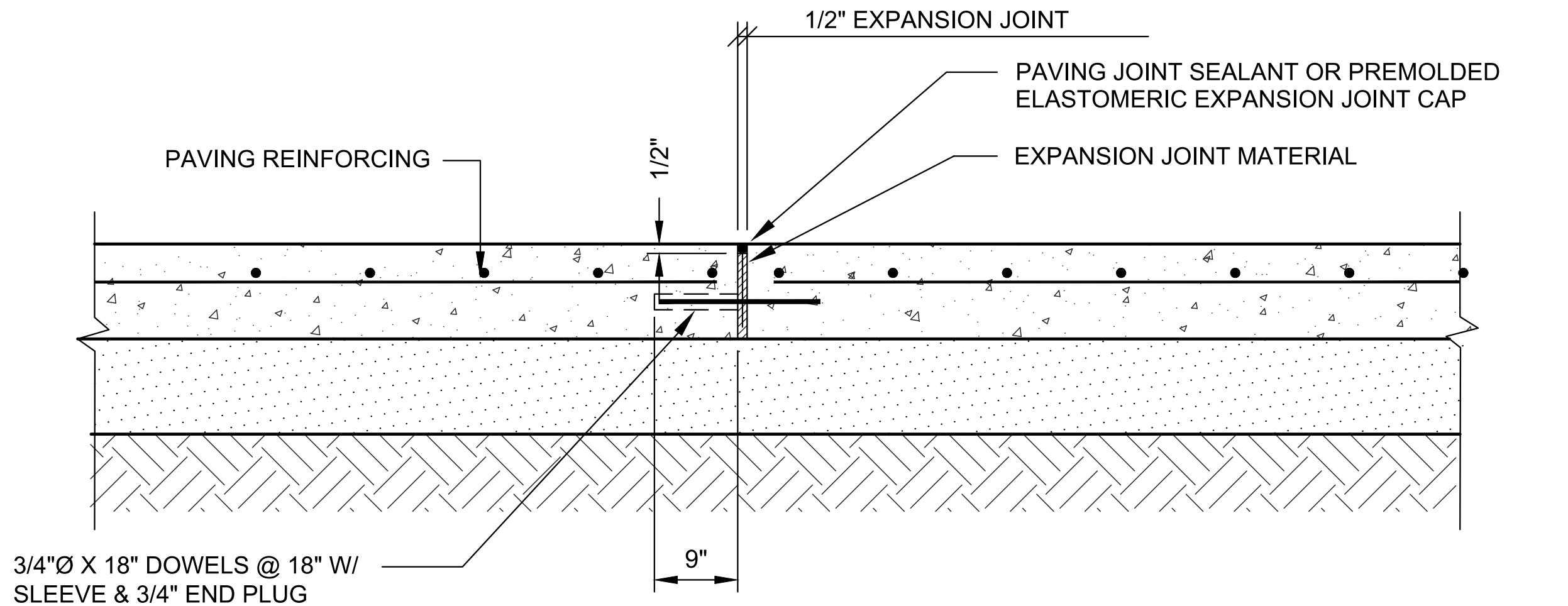
CONCRETE PAVING

28-DAY STRENGTH = 3,500 PSI



CONTROL JOINT

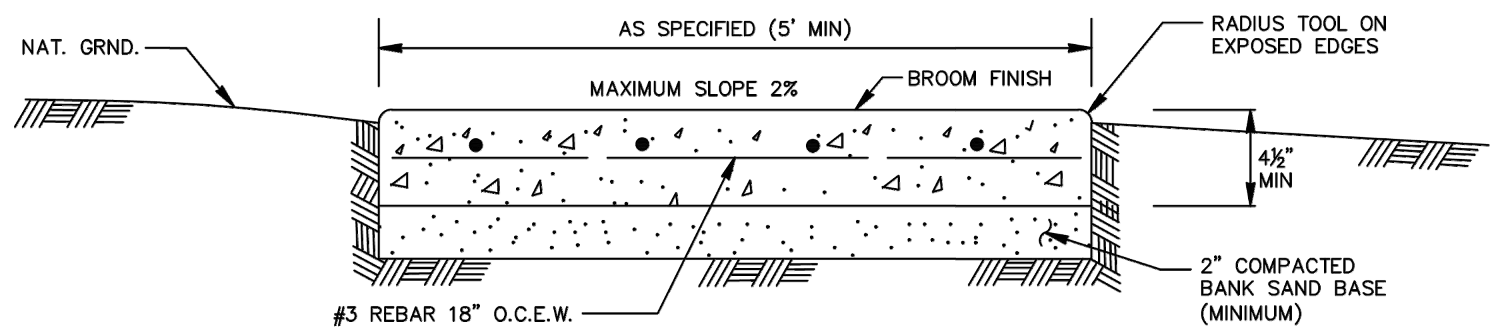
SPACE CONTROL JOINTS @ 10' MAXIMUM SPACING. SAWED JOINTS TO BE INSTALLED WITHIN 6 TO 12 HOURS OF CONCRETE PLACEMENT



SPACE EXPANSION JOINTS AT MAXIMUM 50' SPACING, SUBMIT LAYOUT FOR APPROVAL

EXPANSION JOINT

Concrete Paving N.T.S. 7



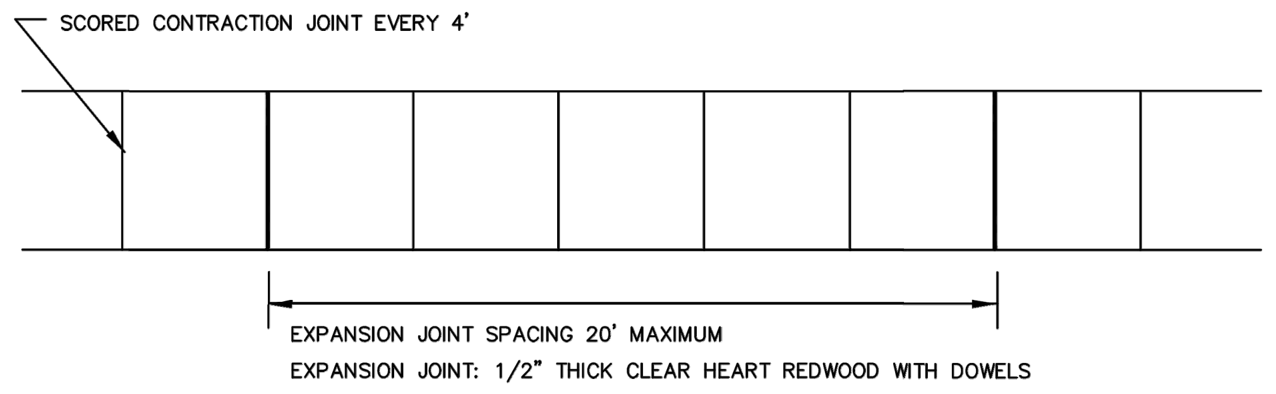
CONCRETE SIDEWALK

NOTE:

1) BANK SAND IS DEFINED AS A WELL–GRADED SAND, FREE OF SILT, CLAY, LOAM, FRIABLE OR SOLUBLE MATERIALS AND ORGANIC MATTER, MEETING THE UNIFIED SOILS CLASSIFICATION SYSTEM GROUP SYMBOL SW CRITERIA W/ A PLASTICITY INDEX OF ≤ 10. AND NO MORE THAN 12% OF MATERIAL CAN PASS THE No. 200 SIEVE.

2) DOWEL IN AND TIE TO ANY CONCRETE STRUCTURE ADJACENT TO SIDEWALK (DRIVEWAY, INLET BOX, CURB, JUNCTION BOX, ETC.) WITH #3x12" BARS @ 18" O.C. INCLUDE EXPANSION JOINT AT CONNECTION WITH BACK OF CURB.

NOT TO SCALE
CITY OF TOMBALL
ENGINEERING & PLANNING DEPARTMENT
CONCRETE
SIDEWALK
CONSTRUCTION DETAILS
APPROVED BY COT:
ENGINEERING & PLANNING DEPARTMENT
EFFECTIVE NOVEMBER 19, 2018
SHEET 001 OF 001
DWG NO: COT SW–03



EXPANSION JOINT SPACING 20' MAXIMUM
EXPANSION JOINT: 1/2" THICK CLEAR HEART REDWOOD WITH DOWELS

SIDEWALK JOINT DETAILS

NOT TO SCALE
CITY OF TOMBALL
ENGINEERING & PLANNING DEPARTMENT
SIDEWALK EXPANSION
JOINT
CONSTRUCTION DETAILS
APPROVED BY COT:
ENGINEERING & PLANNING DEPARTMENT
EFFECTIVE JULY 1, 2010
SHEET 001 OF 001
DWG NO: COT SW–04

Concrete Sidewalk N.T.S. 8

#	DATE	REVISIONS
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2	----	----
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TW	MH	4/2/2026

T.B.P.E.L.S FIRM NO. F-413
T.B.A.E. FIRM NO. BR 351
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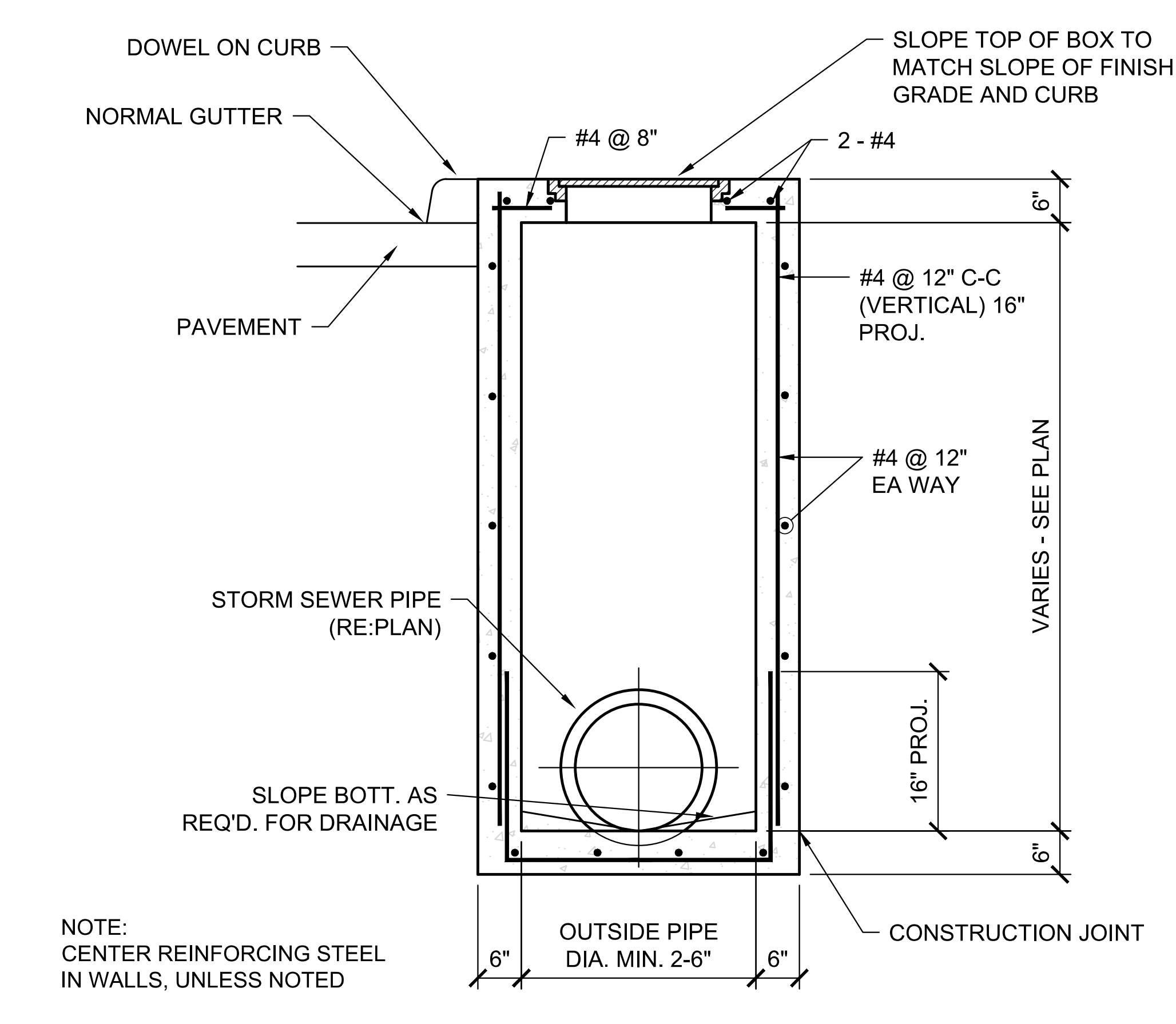
613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

STATE OF TEXAS
MICHAEL G. HOLMES
148750
LICENSED PROFESSIONAL ENGINEER
Michael Holmes
04/02/2026

Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Civil Paving Details

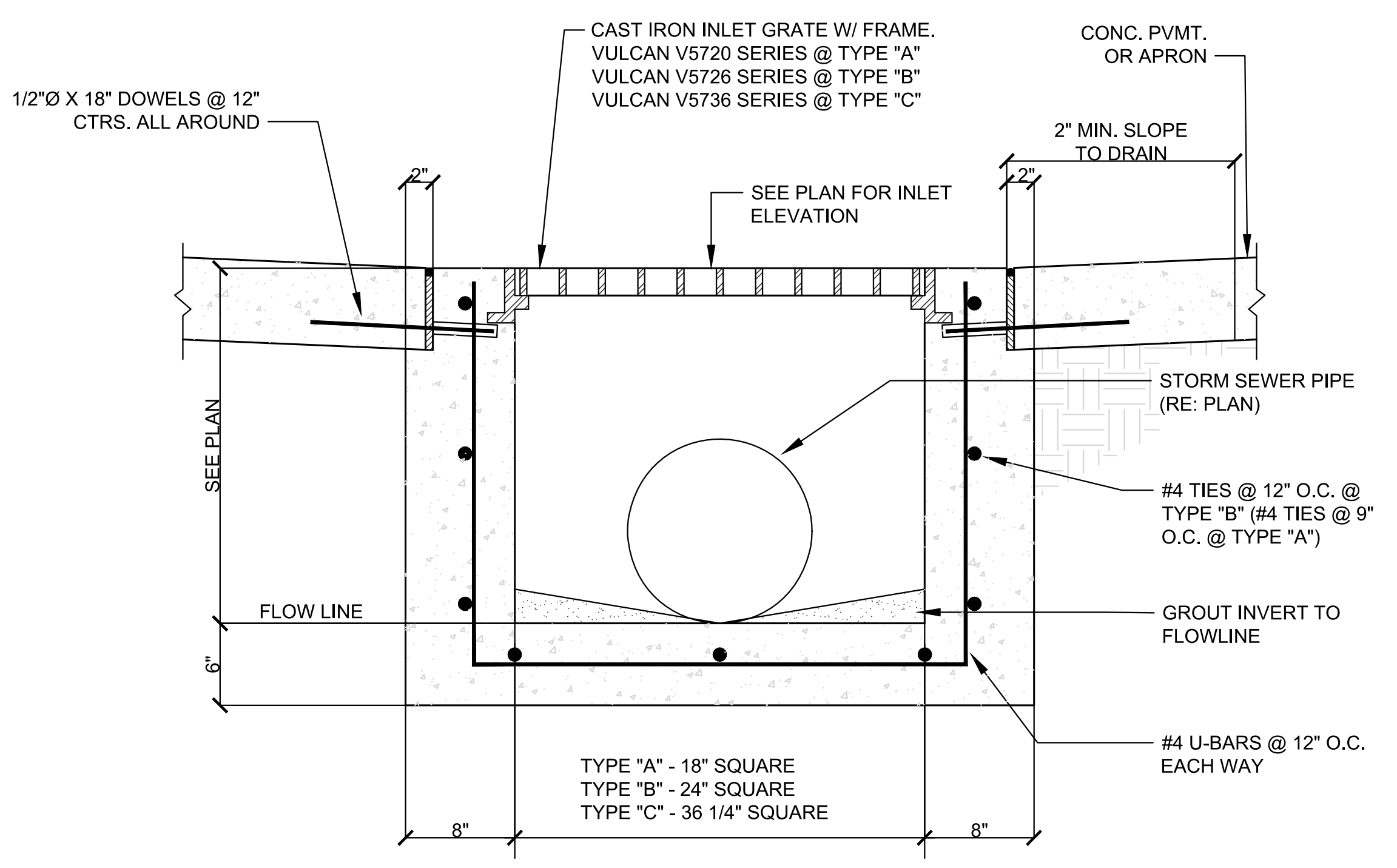
JOB NUMBER
364003

SHEET NO.
C5.00



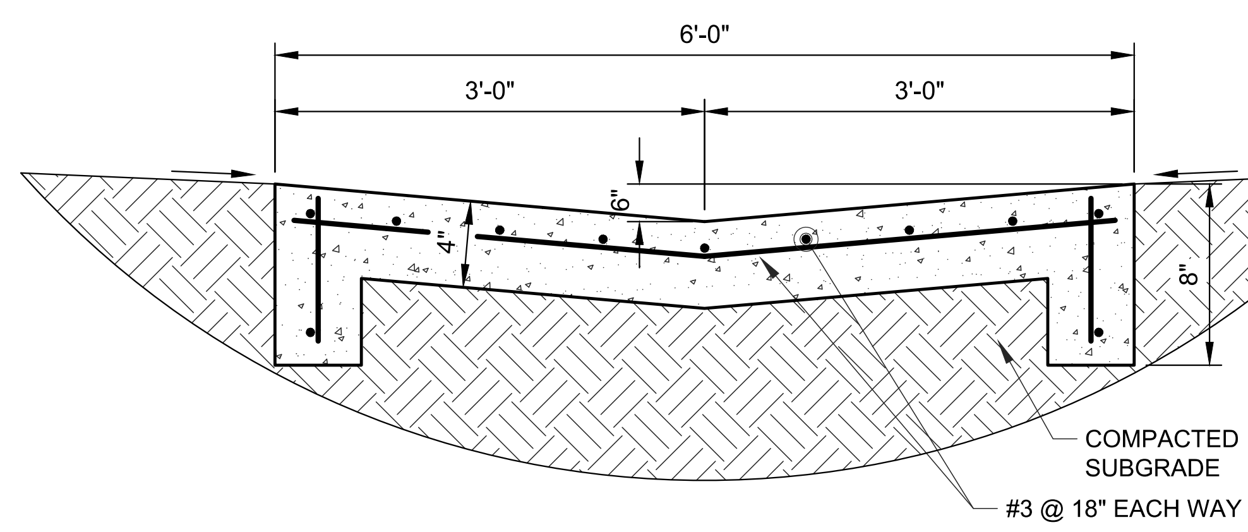
NOTE:
CENTER REINFORCING STEEL
IN WALLS, UNLESS NOTED

Junction Box N.T.S. 1

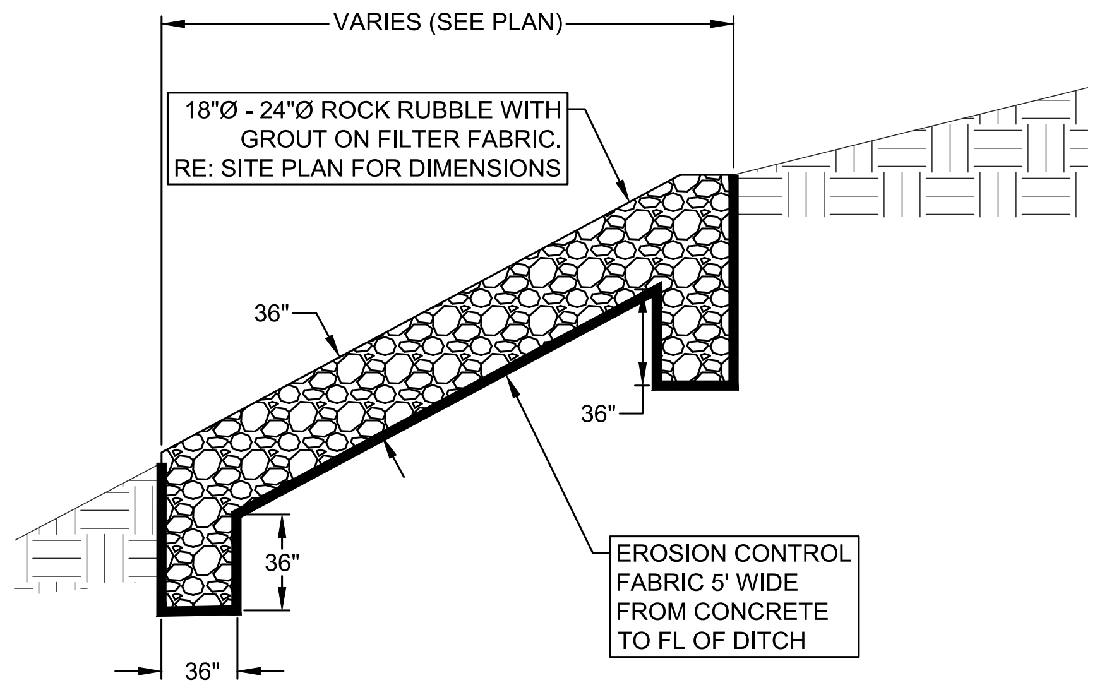


NOTE: PRECAST CATCH BASINS MAY BE SUBSTITUTED UPON APPROVAL.
1. PRECAST OPTION SHALL MATCH TOP/BOTTOM WALL THICKNESS SHOWN IN CAST IN PLACE OPTION ABOVE.
2. KNOCKOUTS SHALL ONLY BE PERMITTED ON SIDES WHERE PIPES ENTER/EXIT THE STRUCTURE.

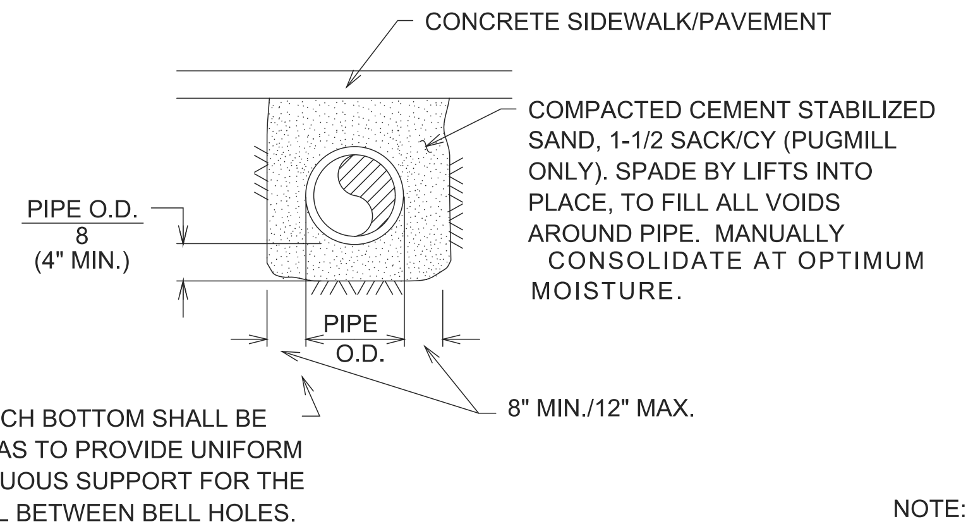
Grate Inlet N.T.S. 2



Concrete Flume N.T.S. 3



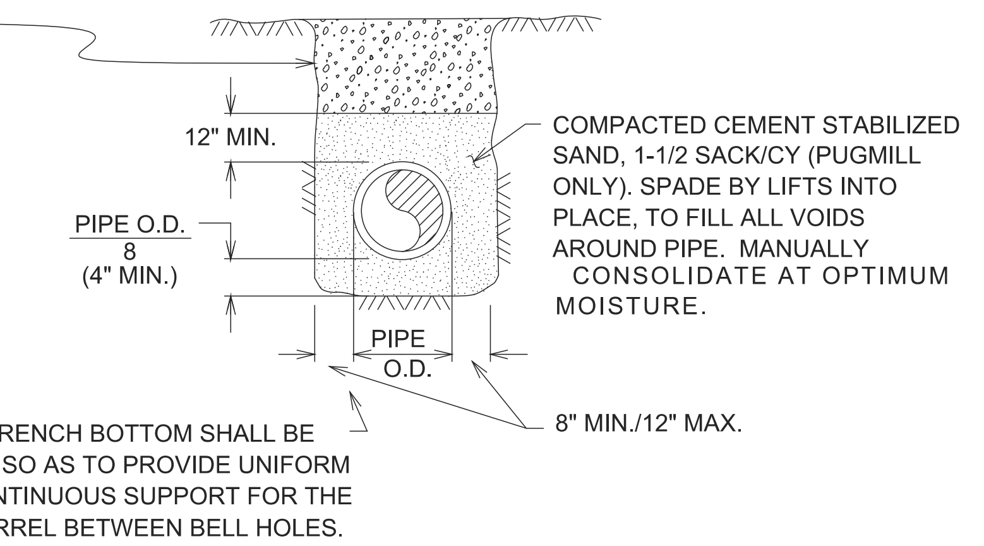
Rock Rip Rap N.T.S. 4



BENEATH SIDEWALK/PAVEMENT

SELECT MATERIAL
MATERIAL EXCAVATED FROM THE DITCH, (WHICH IS FREE OF ROCKS, LUMPS, CLODS, OR DEBRIS LARGER THAN TWO (2) INCHES IN THE LARGEST DIMENSION), COMPACTED TO A MINIMUM OF 90% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D698 (STANDARD) AT A MOISTURE CONTENT WITHIN OPTIMUM TO +4% OF OPTIMUM UNDER NON-STRUCTURAL AREAS (ie...YARDS, PASTURES, EASEMENTS) AND TO A MINIMUM OF 98% OF MAXIMUM DENSITY AS DETERMINED BY ASTM D698 (STANDARD) AT A MOISTURE CONTENT WITHIN OPTIMUM TO +4% OF OPTIMUM UNDER FUTURE STREET AREAS.

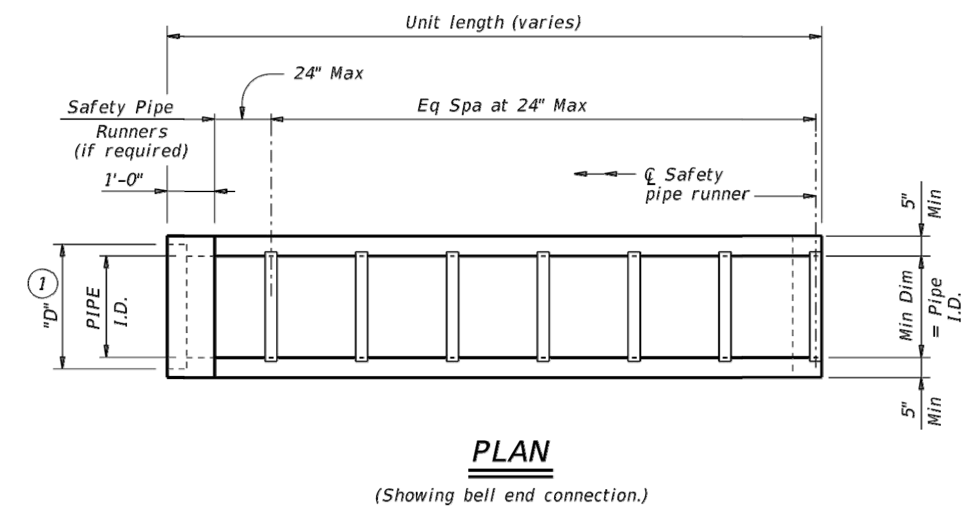
NOTE: ALL JOINTS TO BE WATER TIGHT.



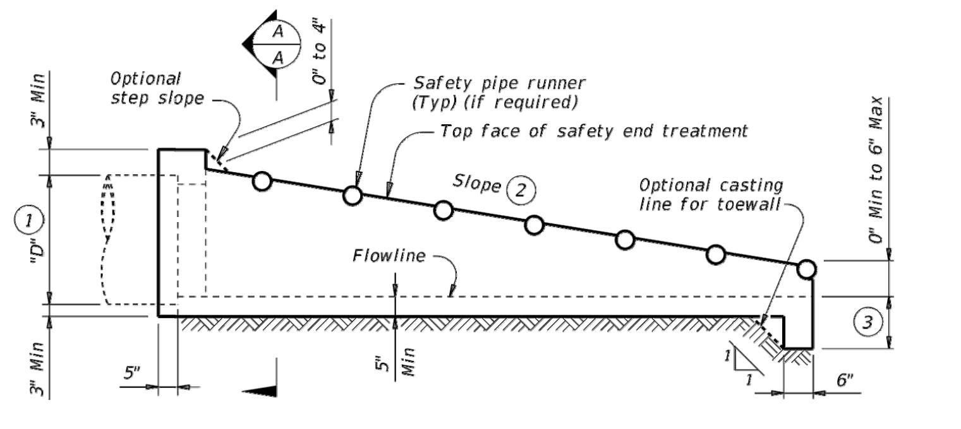
TYPICAL BEDDING AND BACKFILL

BEDDING AND TRENCH FOR HDPE

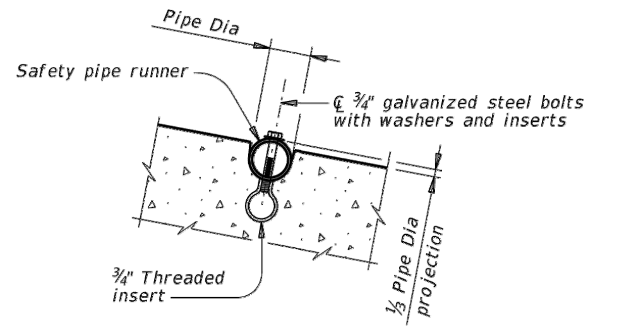
HDPE Pipe Bedding N.T.S. 5



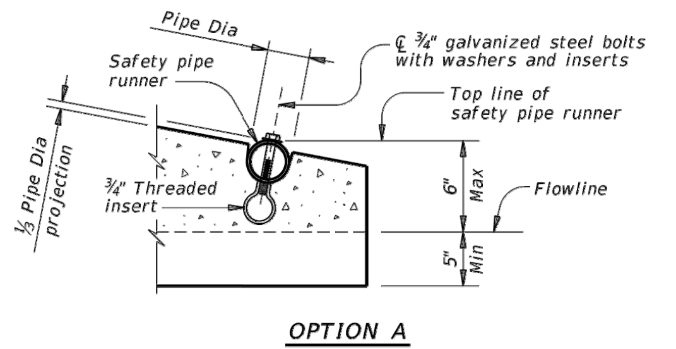
PLAN
(Showing bell end connection.)



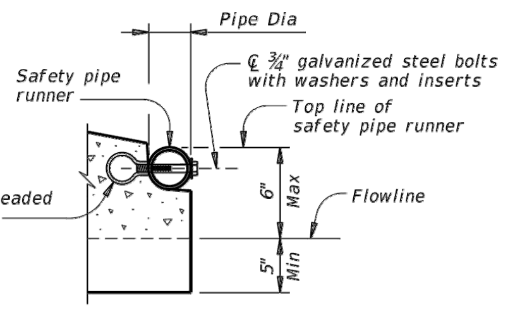
LONGITUDINAL ELEVATION
(Showing bell end connection.)



INSTALLATION DETAIL FOR SAFETY PIPE RUNNERS
(If required)

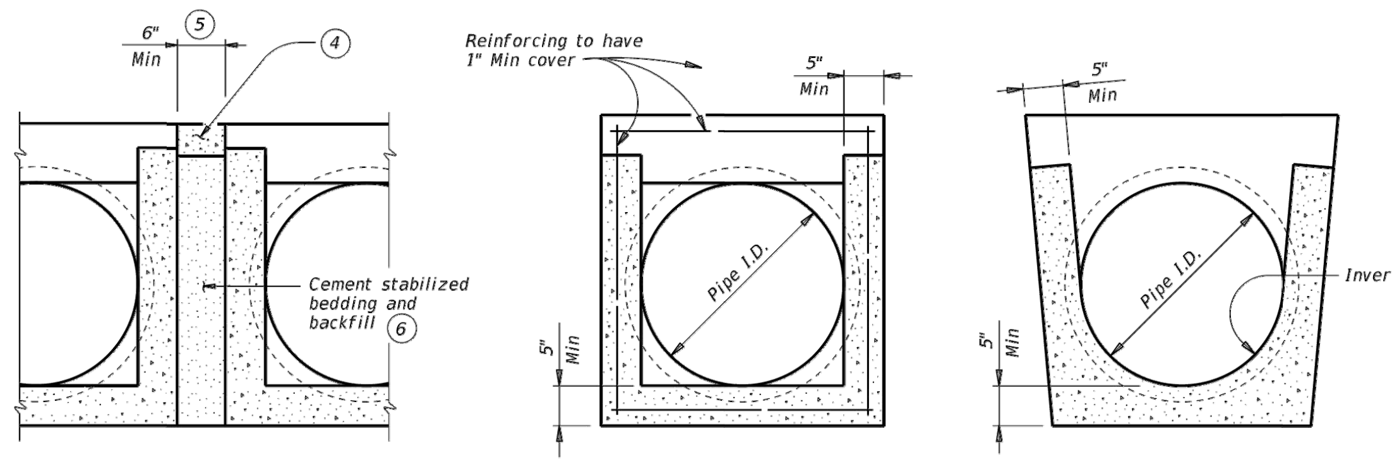


OPTION A



OPTION B

END DETAILS FOR INSTALLATION OF SAFETY PIPE RUNNERS
(If required)

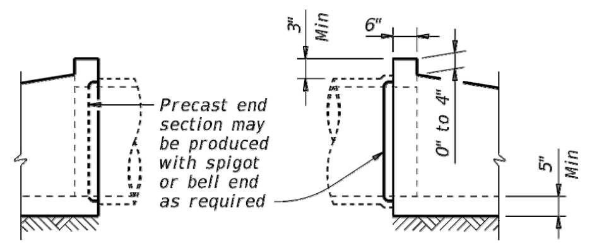


MULTIPLE PIPE INSTALLATION

OPTION WITH SQUARE BOTTOM

OPTION WITH INVERT BOTTOM

SECTION A-A



OPTIONAL JOINT FOR RCP
(Showing joint between RCP and precast safety end treatment.)

REQUIREMENTS FOR CULVERT PIPES AND SAFETY PIPE RUNNERS

Pipe I.D.	RCP Wall "B" Thickness	TP Wall Thickness ⑦	"D" ①	Slope	Min Length	Pipe Runners Required		Required Pipe Runner Size		
						Single Pipe	Multiple Pipe	Nominal Dia.	O.D.	I.D.
12"	2"	1.15"	17.00"	6:1	4' - 9"	No	Yes, for > 2 pipes	3" STD	3.500"	3.068"
15"	2 ¼"	1.30"	20.50"	6:1	6' - 5"	No	Yes, for > 2 pipes	3" STD	3.500"	3.068"
18"	2 ½"	1.60"	24.00"	6:1	8' - 0"	No	Yes, for > 2 pipes	3" STD	3.500"	3.068"
24"	3"	1.95"	31.00"	6:1	11' - 3"	No	Yes, for > 2 pipes	3" STD	3.500"	3.068"
30"	3 ½"	2.65"	38.50"	6:1	14' - 8"	No	Yes	4" STD	4.500"	4.026"
36"	4"	2.75"	45.50"	6:1	17' - 11"	Yes	Yes	4" STD	4.500"	4.026"
42"	4 ½"	2.7"	52.50"	6:1	21' - 2"	Yes	Yes	4" STD	4.500"	4.026"

① Dimension "D" is based on reinforced concrete pipe (RCP) meeting the requirements of ASTM C-76, Class III, (RCP Wall "B" thickness). Adjust "D" for any other wall thickness used. For thermoplastic pipe (TP) take into account the annular space requirements for grouted connections.

② Slope as shown elsewhere in the plans. Slope of 6:1 or flatter is required for vehicle safety.

③ Toewall to be used only when dimension is shown elsewhere in the plans.

④ Fill the top 4" of void between precast end treatments with concrete riprap. Concrete riprap is considered subsidiary to the Item 467, "Safety End Treatment."

⑤ Adjust clear distance between pipes to provide for the minimum distance between safety end treatments.

⑥ Provide cement stabilized bedding and backfill in accordance with the Item 400, "Excavation and Backfill for Structures." Bedding and backfill is considered subsidiary to the Item 467, "Safety End Treatment." When concrete riprap is specified around the safety end treatment, backfill as directed by Engineer.

⑦ Thermoplastic pipe wall thickness may vary. Adjust accordingly. Thermoplastic pipe requires the safety end treatments to have a bell end for grouted connections.

GENERAL NOTES:

Precast safety end treatment for reinforced concrete pipe (RCP), and thermoplastic pipe (TP) may be used for TYPE II end treatment as specified in Item "Safety End Treatment."

When precast safety end treatment is used as a Contractor's alternate to mitered RCP, riprap will not be required unless noted otherwise on the plans.

Synthetic fibers listed on the "Fibers for Concrete" Material Producer List (MPL) may be used in lieu of steel reinforcing in riprap concrete unless noted otherwise.

Manufacture this product in accordance with Item 467, "Safety End Treatment" except as noted below :

A. Provide minimum reinforcing of #4 at 6" (Grade 40) or #4 at 9" (Grade 60) each way or 6"x6" - D12 x D12 or 5"x5" - D10 x D10 welded wire reinforcement (WWR).

B. For precast (steel formed) sections, provide Class "C" concrete (f'c = 3,600 psi).

At the option and expense of the Contractor the next larger size of safety end treatment may be furnished; as long as the "D" dimension cast is that of the required size of pipe.

Pipe runners are designed for a traversing load of 10,000 Lbs at yield as recommended by Research Report 280-2F, "Safety Treatment of Roadside Parallel-Drainage Structures", Texas Transportation Institute, March 1981.

Provide pipe runners meeting the requirements of ASTM A53 (Type E or S, Grade B), ASTM A500 (Grade B), or API 5LX52.

Galvanize all steel components except reinforcing steel after fabrication. Repair galvanizing damaged during transport or construction in accordance with the specifications.

Connect RCP using the Optional Joint for RCP detail shown or in accordance with Item 464, "Reinforced Concrete Pipe." Connect TP by grouting. See Pipe and Box Grouted Connections (PBGC) standard for grouted connections with TP and precast safety end treatment.

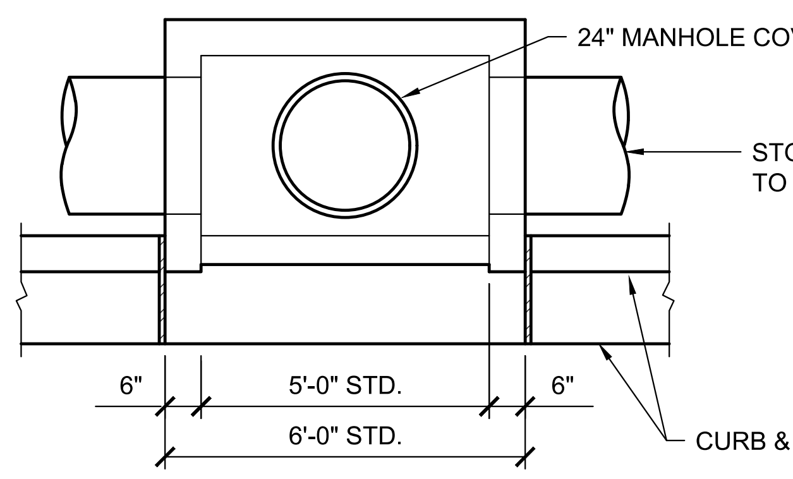
Texas Department of Transportation | Bridge Division Standard

PRECAST SAFETY END
TREATMENT
TYPE II ~ PARALLEL DRAINAGE

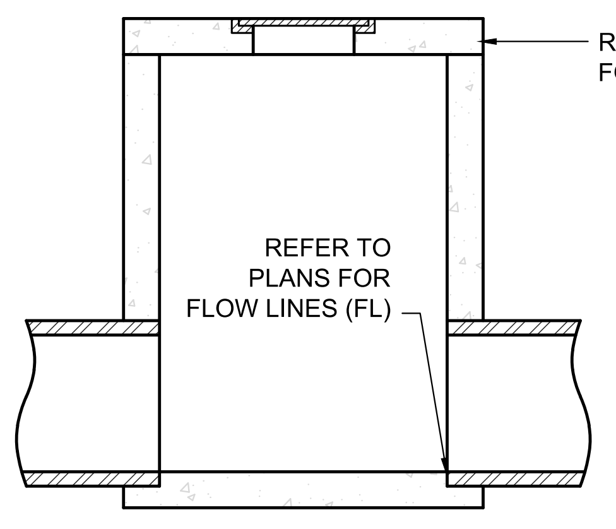
PSET-SP

FILE: CD-PSET-SP-21.dgn	DN: RLW	CK: KLR	DW: JTR	CK: GAF	
©TxDOT February 2020	CONT	SECT	JOB	HIGHWAY	
REVISIONS 12-21: Added 42" TP					
	DIST	COUNTY		SHEET NO.	

Precast Safety End Treatment N.T.S. 6



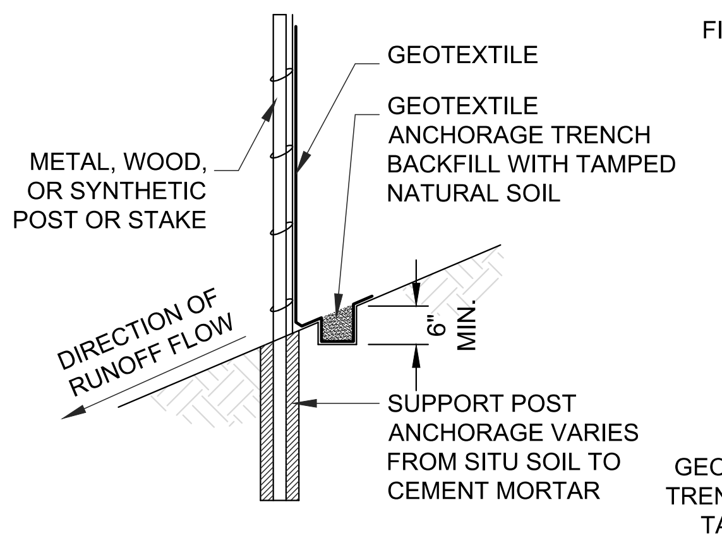
PLAN



NOTE:
OVERALL DIMENSIONS FOR MODIFIED INLETS VARY DEPENDING UPON NO. & SIZE OF CULVERTS INTO/OUT OF INLET BOX. CONTRACTORS ARE TO ACCOUNT FOR ADDITIONAL BOX SIZES WHEN BIDDING/CONSTRUCTING INLET BOXES.

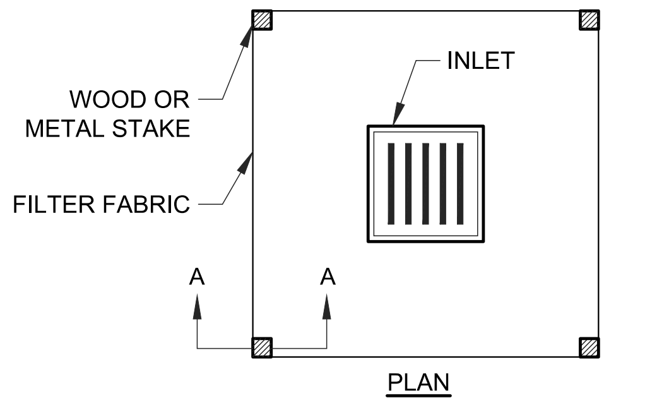
SECTION

Curb Inlet N.T.S. 7



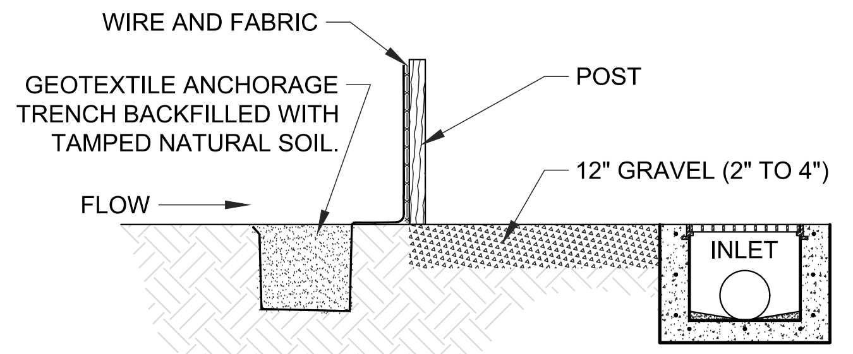
NOTE: CONTRACTOR TO INSTALL 3.0m OF SILT FENCE PER 30.0m OF TRENCH LINE AND AS SHOWN ON PLAN/ PROFILE SHEETS

TYP. SILT FENCE DETAIL



PLAN

NOTE: SAND BAGS MAY BE PLACED AROUND INLET IN LIEU OF FILTER FABRIC IF BARRIER IS USED IN PAVED AREAS.



SECTION A-A

Silt Fence N.T.S. 8

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1	----	----
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DRAWN BY:	APPV'D BY:	ISSUED:
TW	MH	4/2/2026

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ARCHITECTURE - ENGINEERING - INTERIORS
LANDSCAPE - SURVEYING
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4077 CROSS PARK DR. STE. 100 - BRYAN, TEXAS 77802 - (979) 776-9700
455 RICE ROAD STE. 107 - TYLER, TEXAS 75703 - (903) 581-3805
613 AUSTIN AVE - WACO, TEXAS 76701 - (254) 218-1544

MICHAEL G. HOLMES
148750

Michael Holmes
04/02/2026

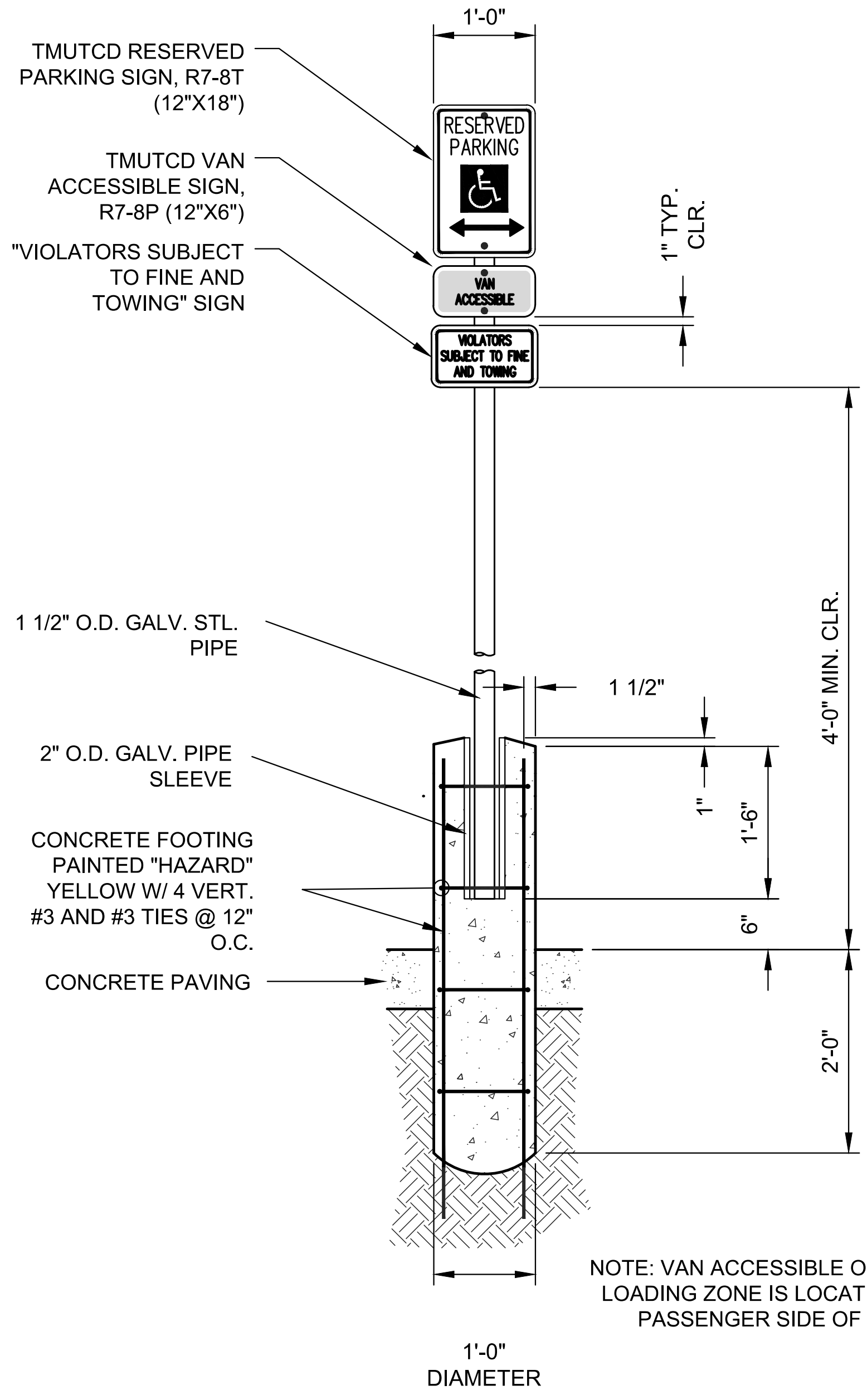
Transportation Facility Improvements
Tomball ISD
Tomball, Texas
Civil Drainage Details

JOB NUMBER
364003

SHEET NO.
C5.01

ADA Parking Sign and Footing

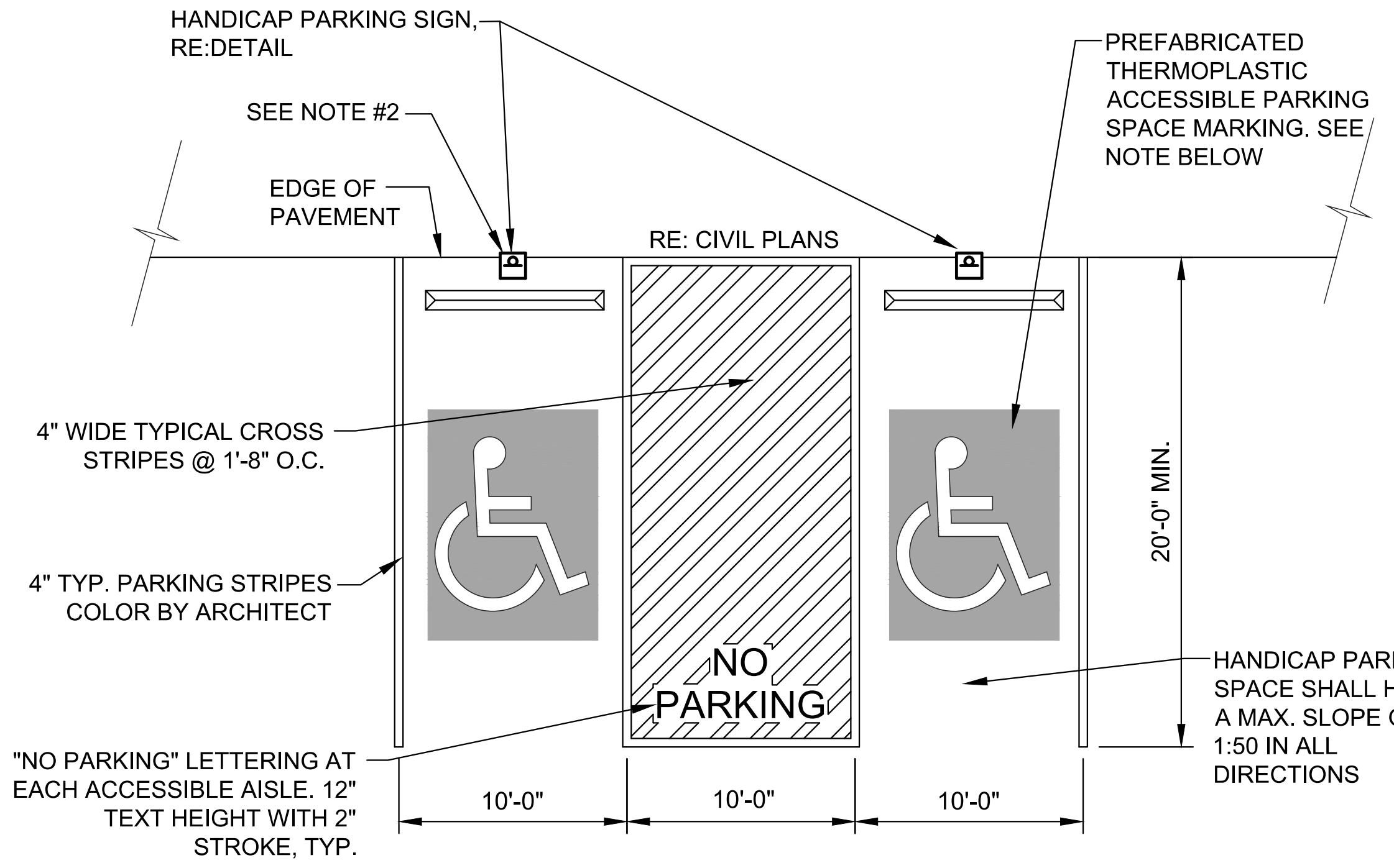
N.T.S. 1



NOTE: VAN ACCESSIBLE ONLY IF THE LOADING ZONE IS LOCATED ON THE PASSENGER SIDE OF THE STALL

ADA Parking Stall

N.T.S. 2



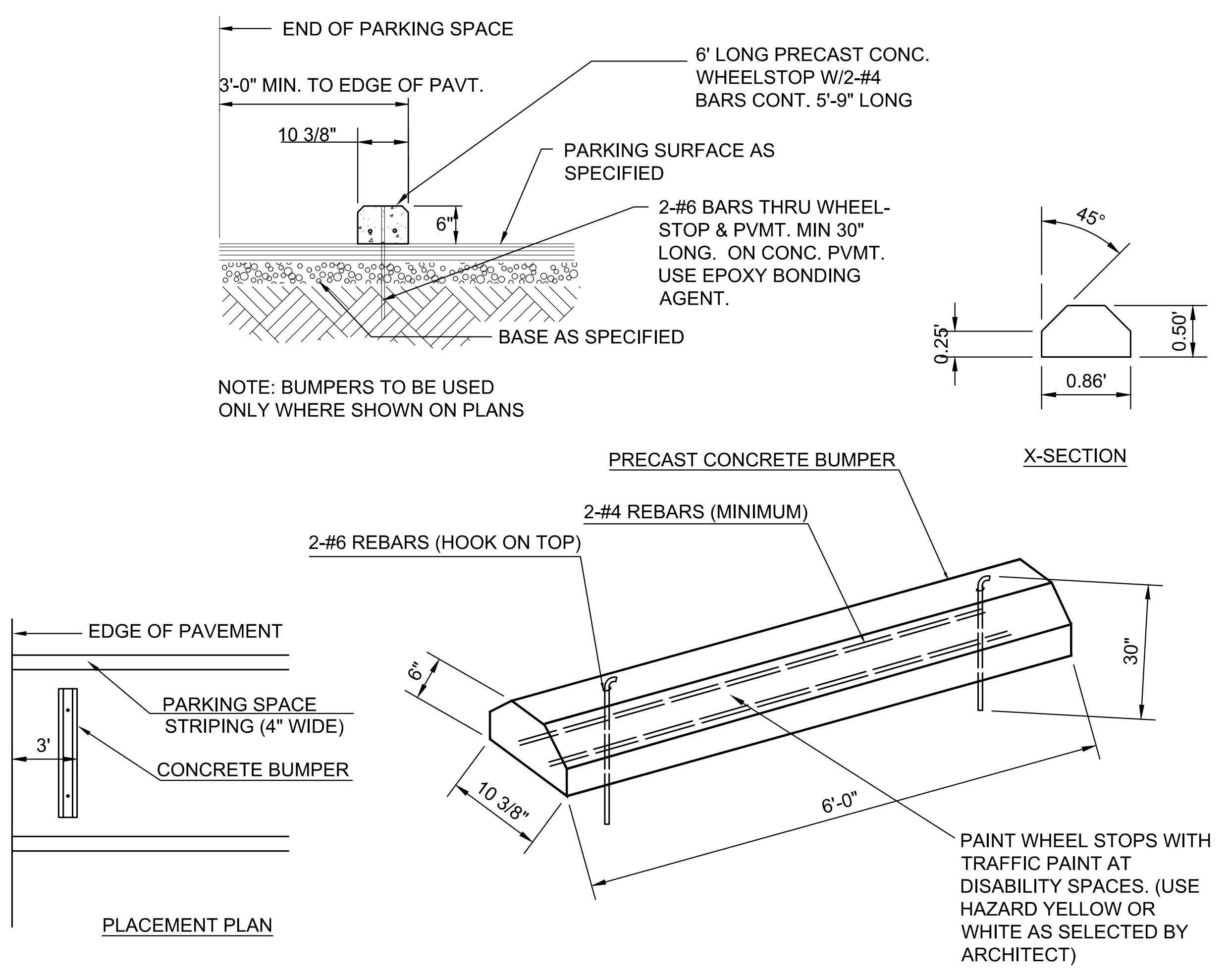
NOTE:

1. INTERNATIONAL SYMBOL FOR ACCESSIBILITY IN WHITE, WITH 3" STROKE WIDTH & BLUE BACKGROUND FIELD. SYMBOL SHALL BE 24"X28" MIN. & COMPLY WITH TMUTCD 3B-22.

2. WHEN THE HANDICAP SPACE IS LOCATED ON THE LEFT SIDE OF THE 8' MIN WIDE LOADING ZONE, THE SPACE SHALL BE CONSIDERED VAN ACCESSIBLE, UNLESS NOTED OTHERWISE. PROVIDE VAN ACCESSIBLE SIGNAGE AS REQUIRED.

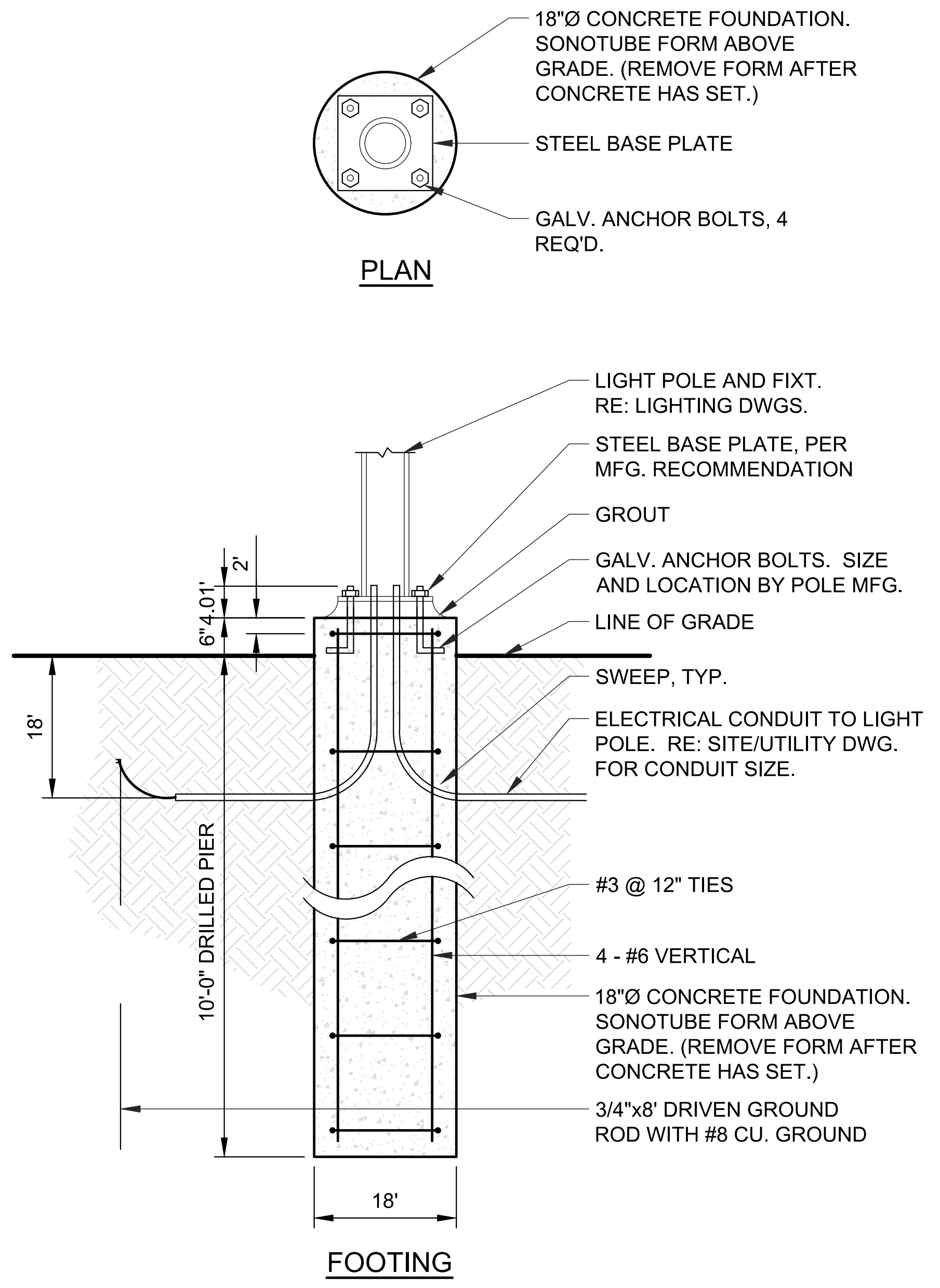
Concrete Wheelstop

N.T.S. 3



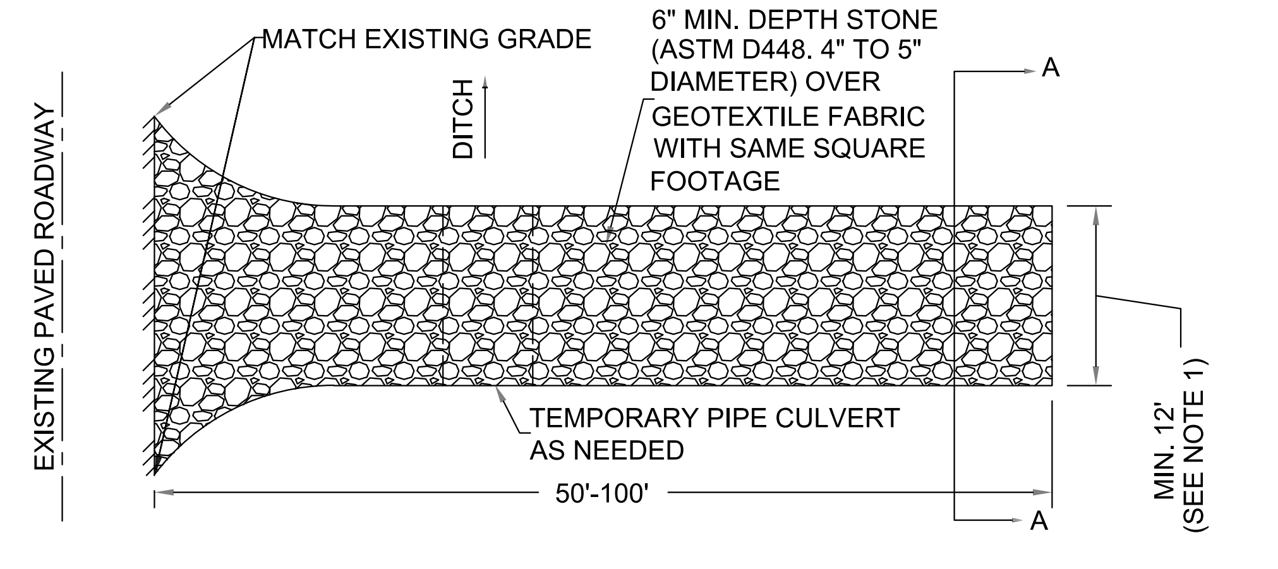
Light Pole Foundation

N.T.S. 4



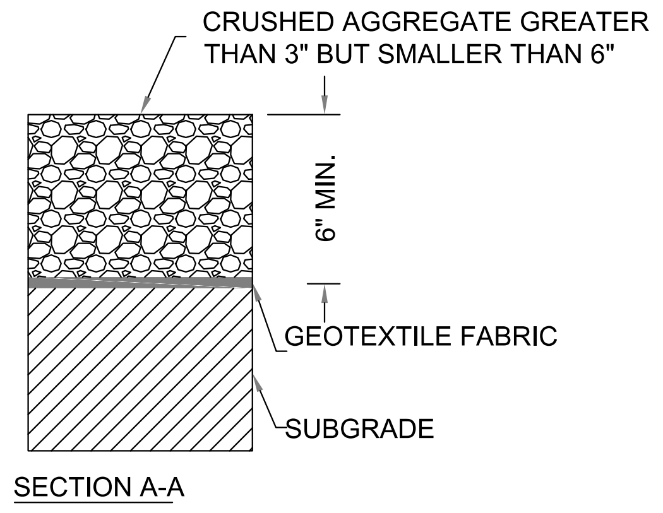
Construction Entrance/Exit

N.T.S. 5



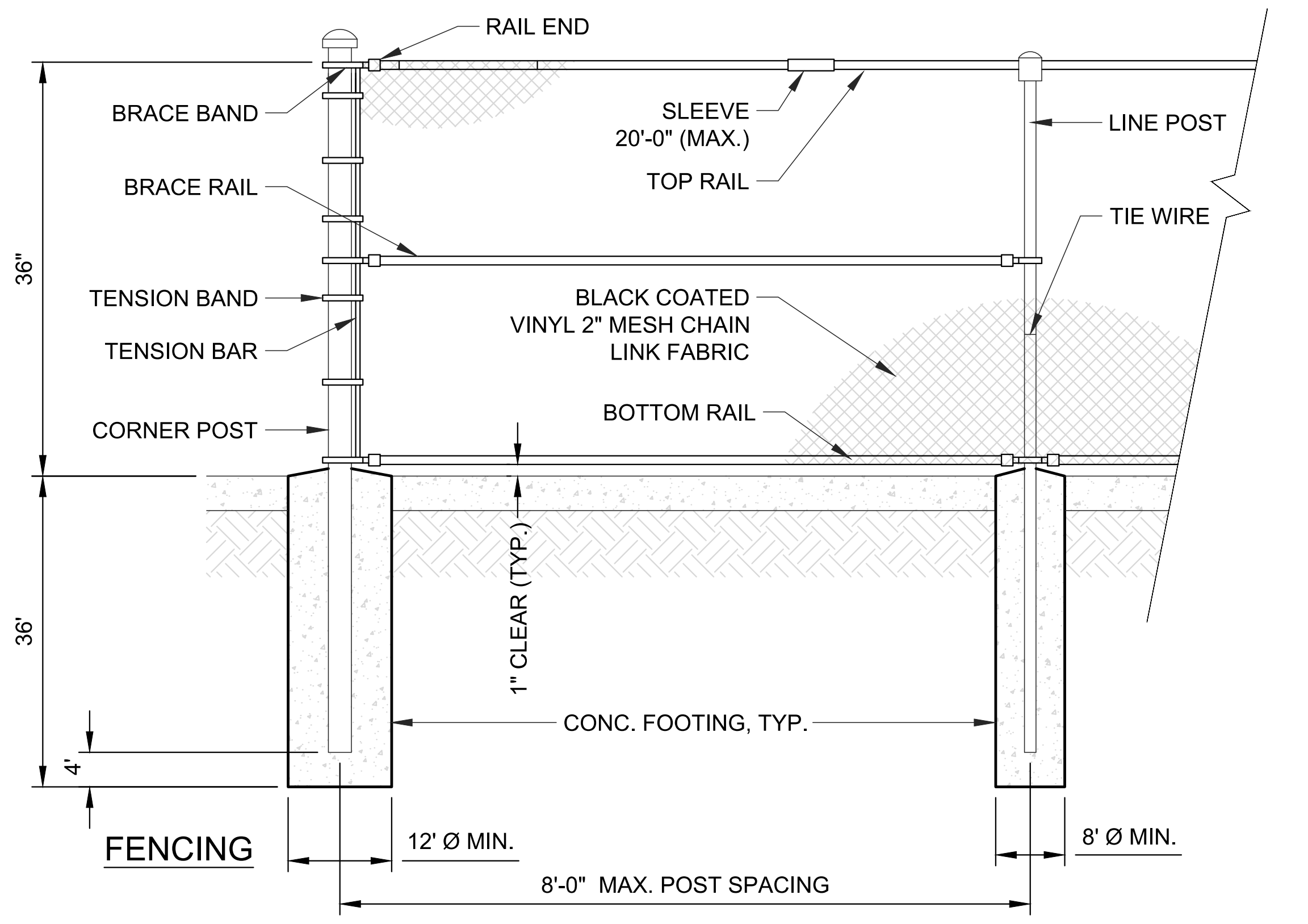
NOTES:

1. SHALL BE FULL WIDTH OF SITE ENTRANCE OR FOUR TIMES THE CIRCUMFERENCE OF THE LARGEST CONSTRUCTION VEHICLE TIRE, WHICHEVER IS GREATER.
2. CONSTRUCT SEDIMENT BARRIER AND CHANNELIZE RUNOFF TO SEDIMENT TRAPPING DEVICE.
3. DRESS WITH ADDITIONAL STONE AS NEEDED. STONE IS TO BE MAINTAINED SO AS TO PREVENT CONSTRUCTION TRAFFIC FROM TRACKING MUD ONTO ADJACENT PUBLIC STREETS.



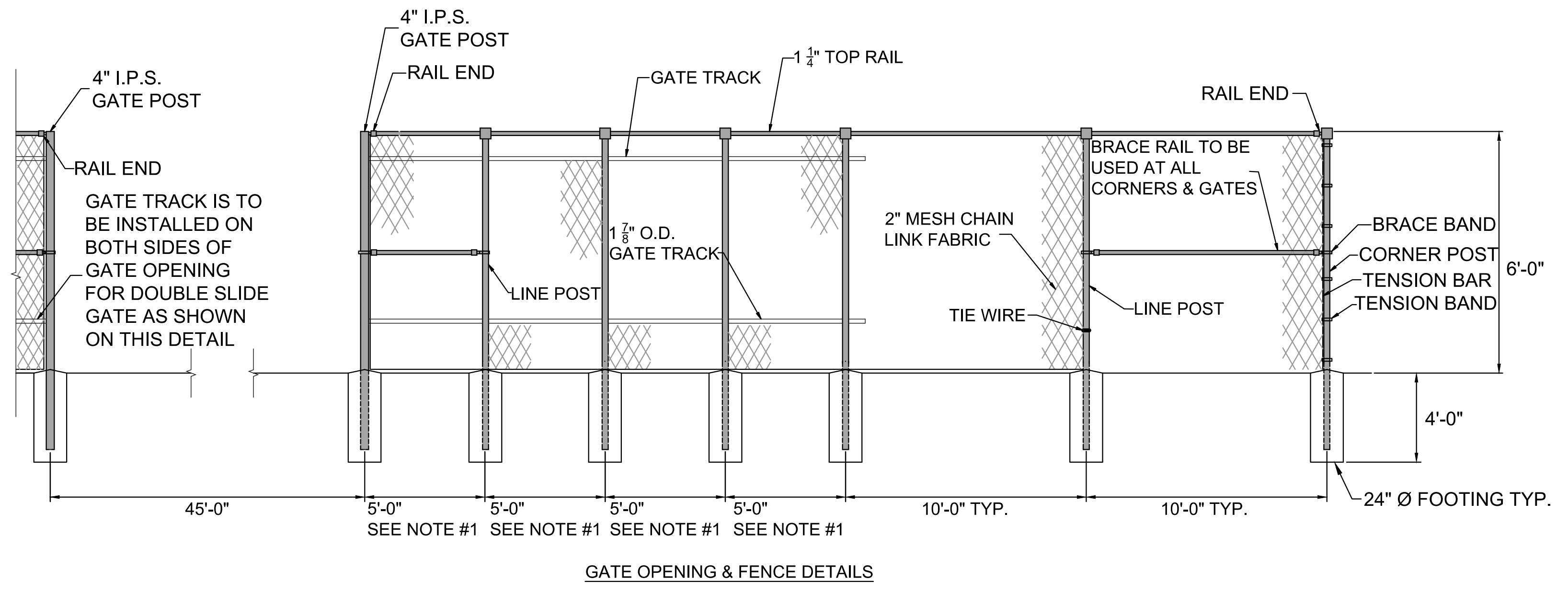
Black Vinyl Chainlink Fence

N.T.S. 6



Double Sliding Gate Detail

N.T.S. 7

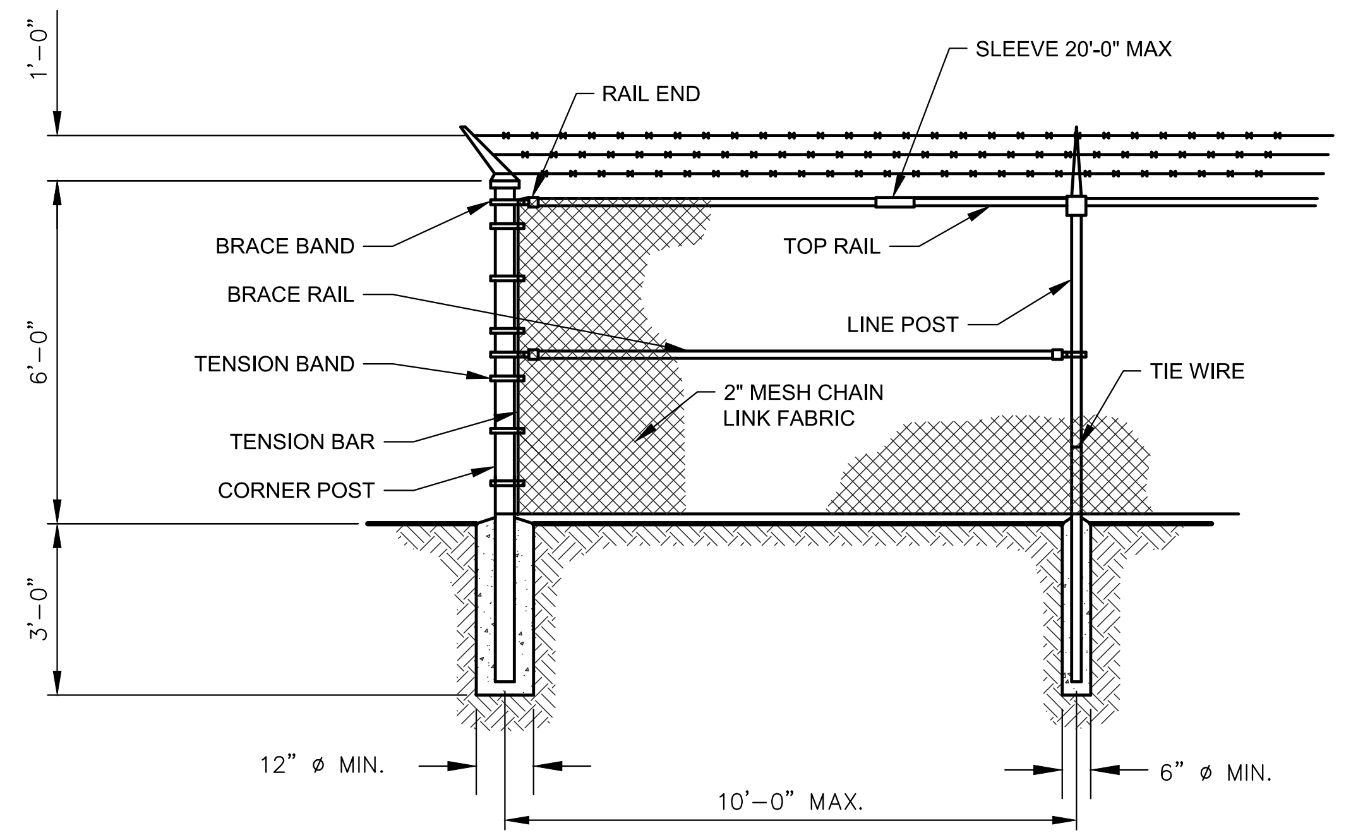


NOTES:

1. 5' SPACING OF LINE POSTS IS TO BE CONTINUED FOR THE ENTIRE LENGTH OF THE GATE. LINE POSTS ARE TO BE SPACED AT 10' SPACING AFTER THE GATE WHEN THE GATE IS IN THE OPEN POSITION.
2. GATES ARE TO BE INSTALLED ON THE INSIDE (PROPERTY SIDE) OF THE FENCE.
3. GATES SHALL BE SECURED BY A CHAIN AND LOCK AROUND BOTH SLIDING GATE PANELS IN THE CENTER OF THE GATE OPENING.
4. GATE PANELS ARE TO BE 22'-6" TOTAL. THERE SHALL BE PANELS THAT SLIDE CLOSED TO MEET IN THE MIDDLE OF THE GATE OPENING.

Barb Wire Fence (Alt. bid)

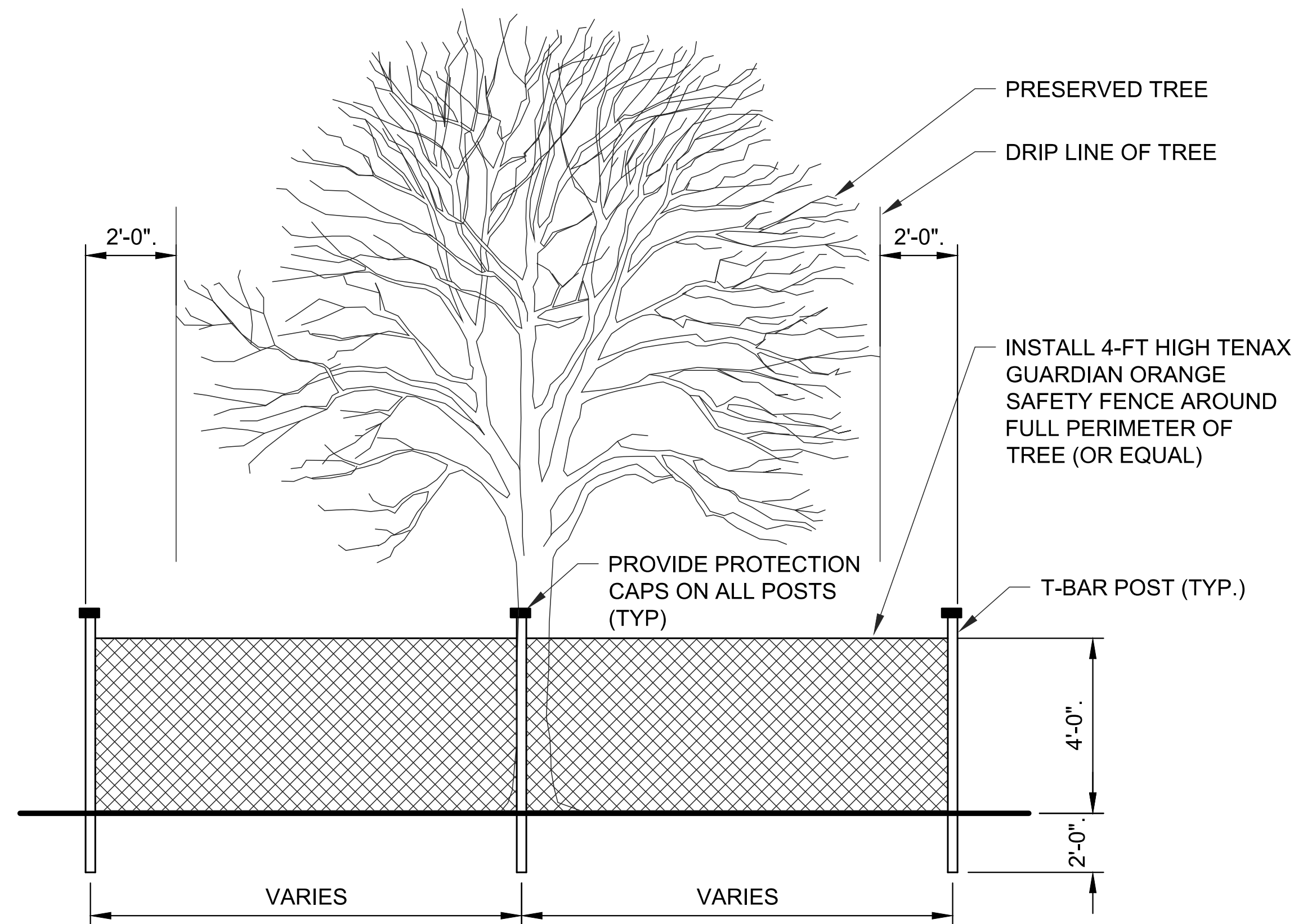
N.T.S. 8



NOTE: 2-STRAND TWISTED NO. 12-1/2 ASW GAUGE GALVANIZED STEEL WIRE WITH EITHER 2 PT. OR 4 PT. BARBS OF NO. 14 ASW GAUGE GALVANIZED STEEL WIRE.

Tree Protection

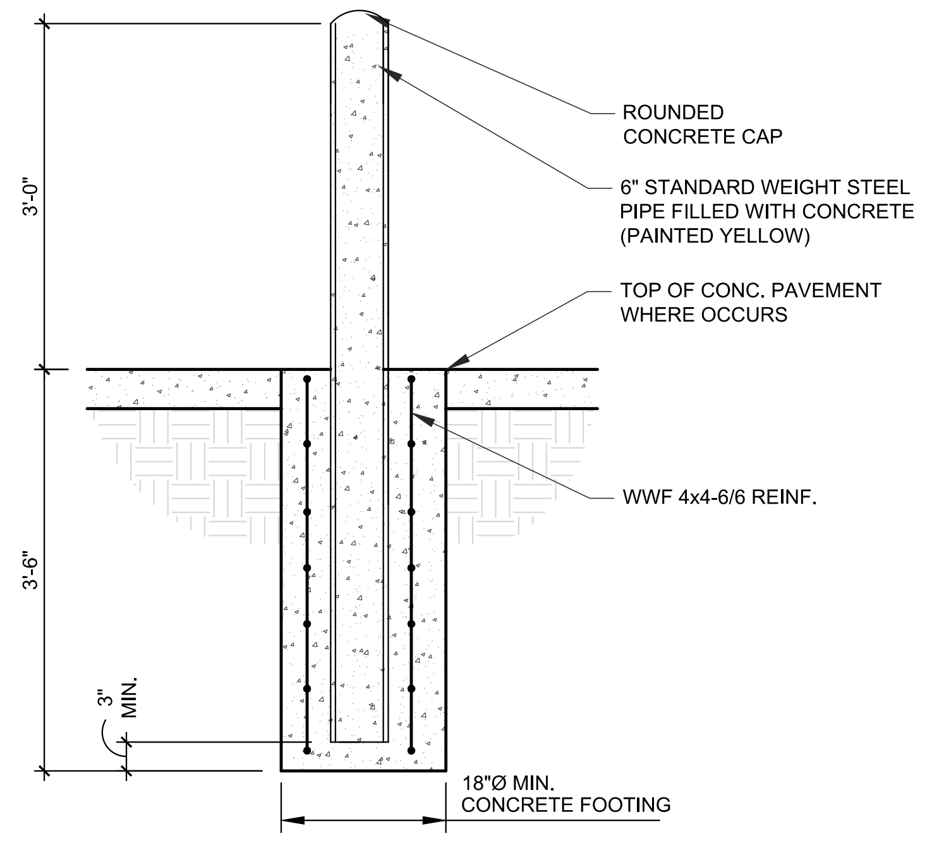
N.T.S. 9



THERE WILL BE NO STORAGE OF MATERIALS, PARKING OF EQUIPMENT, RELAXING OR LOUNGING ON OR BENEATH THE TREE CANOPY FOR THE DURATION OF THE PROJECT **(NO EXEPTIONS).**

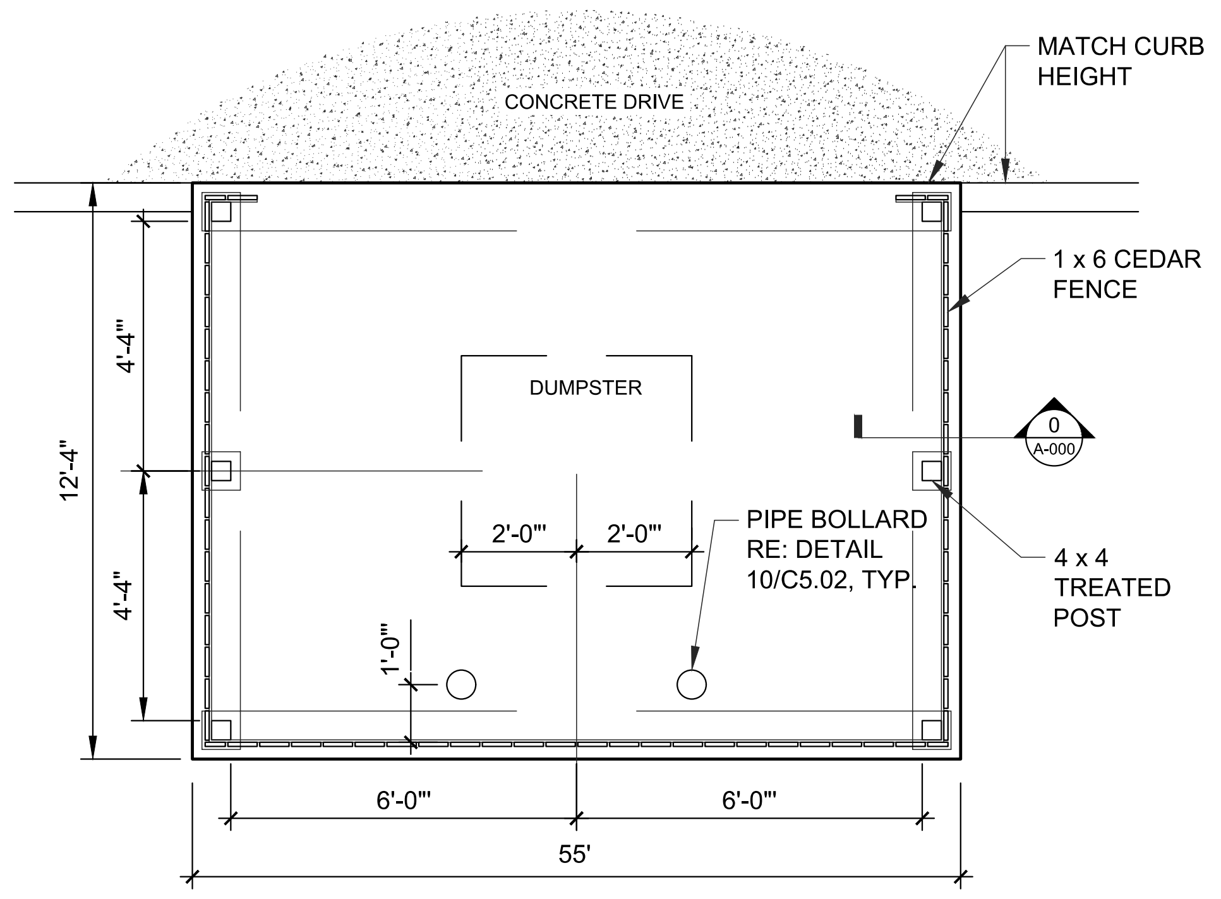
Pipe Bollard

N.T.S. 10



Wooden Fence for Dumspter Enclosure

N.T.S. 11



#	DATE	REVISIONS
1	----	----
2	----	----
3	----	----
4	----	----

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DRAWN BY:	APPV'D BY:	ISSUED:
TW	MH	4/2/2026

T.B.P.E.L.S FIRM NO. F-413
T.B.A.E. FIRM NO. BR 351
T.B.P.E.L.S FIRM NO. 10110900

GLS
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Transportation Facility Improvements
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Tomball, Texas
Civil Misc. Details

JOB NUMBER
364003

SHEET NO.
C5.02