

CAP METRO RAILROAD EXHIBIT A



PLANS FOR PROPOSED GILLELAND CREEK GREENWAY IMPROVEMENTS

FROM NE METROPOLITAN PARK TO BEN E. FISHER PARK
GILLELAND CREEK TRAIL DESIGN
NORTHEAST TRAVIS COUNTY
PRECINCT 1 & 2

TOTAL AREA DISTURBED: 59.73 ACRES
TOTAL IMPREVIOUS COVER AREA: 11.23 ACRES
SHARED USE PATH DESIGN SPEED = 12 MPH

GILLELAND CREEK TRAIL 34585.97 FT (6.550 MI)
BRIDGES 470 FT (0.089 MI)
TOTAL LENGTH OF PROJECT 35055.97 FT (6.639 MI)

RELEASED FOR BID:

TRAVIS COUNTY TRANSPORTATION AND NATURAL RESOURCES DATE

RELEASED FOR CONSTRUCTION:

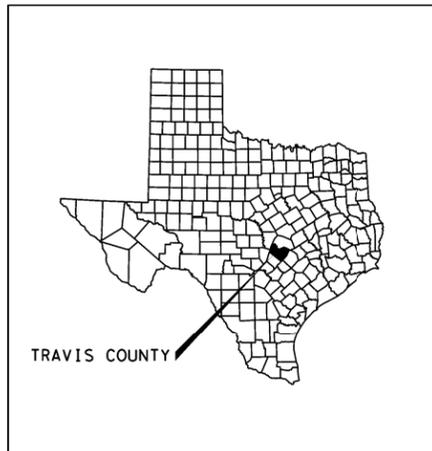
TRAVIS COUNTY TRANSPORTATION AND NATURAL RESOURCES DATE

CITY OF AUSTIN GENERAL PERMIT PROGRAM DATE

CAPITAL METRO LICENSE AGREEMENT DATE

CITY OF AUSTIN RIGHT OF WAY MANAGEMENT DATE

CITY OF MANOR APPROVAL DATE



TEXAS COUNTY MAP
N. T. S.

SHEET INDEX:

- 1 TITLE SHEET
- 2-3 INDEX SHEET

TDLR NO. TABS0224019109
EABPRJ: REGISTERED ACCESSIBILITY SPECIALIST
(RAS) INSPECTION REQUIRED
Andrea LaCour RAS #1313

TRAVIS CO. PERMIT # 23-45318

GENERAL NOTES:

THE PROJECT LIES WITHIN THE GILLELAND CREEK WATERSHED AND WILBARGER CREEK WATERSHED WHICH ARE BOTH CLASSIFIED AS SUBURBAN WATERSHEDS.

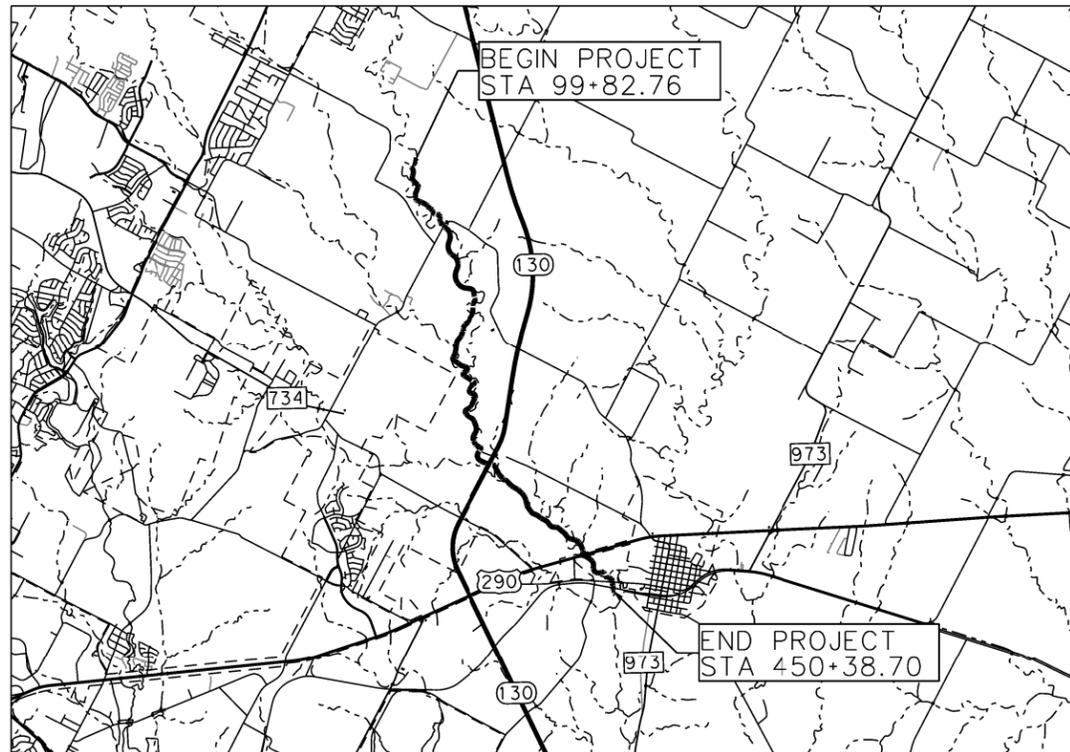
THIS PROJECT IS NOT LOCATED WITHIN THE EDWARDS AQUIFER RECHARGE ZONE.

THE CONTRACTOR SHALL FIELD INSPECT THE PROJECT AND VIDEO TAPE THE PROJECT LIMITS PRIOR TO START OF CONSTRUCTION.

IF AT ANY TIME DURING CONSTRUCTION OF THIS PROJECT AN UNDERGROUND STORAGE TANK (UST) IS FOUND, CONSTRUCTION IN THAT AREA MUST STOP UNTIL A CITY OF AUSTIN UST CONSTRUCTION PERMIT IS APPLIED FOR AND APPROVED. ANY UST REMOVAL WORK MUST BE CONSTRUCTED BY A UST CONTRACTOR THAT IS REGISTERED WITH THE TEXAS COMMISSION ON ENVIRONMENTAL QUALITY (TCEQ).

RELEASE OF THIS APPLICATION DOES NOT CONSTITUTE A VERIFICATION OF ALL DATA, INFORMATION AND CALCULATIONS SUPPLIED BY THE APPLICANT. THE ENGINEER OF RECORD IS SOLELY RESPONSIBLE FOR THE COMPLETENESS, ACCURACY AND ADEQUACY OF HIS/HER SUBMITTAL, WHETHER OR NOT THE APPLICATION IS REVIEWED FOR CODE COMPLIANCE BY CITY ENGINEERS.

CONSTRUCTION PLANS



LOCATION MAP
N.T.S.

EQUATIONS:
STA 135+33.35 (BK) = STA 138+00.00 (AH)
STA 164+20.87 (BK) = STA 167+00.00 (AH)
STA 202+32.77 (BK) = STA 205+00.00 (AH)
STA 231+69.30 (BK) = STA 236+00.00 (AH)
STA 266+96.02 (BK) = STA 270+00.00 (AH)
STA 297+46.84 (BK) = STA 300+00.00 (AH)
STA 324+22.00 (BK) = STA 330+00.00 (AH)
STA 353+62.69 (BK) = STA 356+00.00 (AH)
STA 385+55.34 (BK) = STA 390+00.00 (AH)
STA 405+74.69 (BK) = STA 408+00.00 (AH)
STA 424+75.29 (BK) = STA 430+00.00 (AH)

STATE OF TEXAS
JAMES A. LUTZ
84722
LICENSED PROFESSIONAL ENGINEER
7/17/2024
DATE
JAMES A. LUTZ, P.E.

COUNTY JUDGE
ANDY BROWN

COUNTY COMMISSIONERS
JEFF TRAVILLION, PCT. 1 ANN HOWARD, PCT. 3
BRIGID SHEA, PCT. 2 MARGARET GOMEZ, PCT. 4



AUSTIN | SAN ANTONIO | HOUSTON | FORT WORTH | DALLAS
10801 N. MOPAC EXPY, BLDG 3, STE 200 | AUSTIN, TX 78759 | 512.454.8711
TBPE FIRM REGISTRATION #470 | TBPLS FIRM REGISTRATION #10028801



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Austin, Texas 78703
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www.rviengineering.com

Plotted on: 7/17/2024

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Plotted on: 8/15/2024

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RAIL EMERGENCY NUMBER 844-592-8046

SAFETY NOTES FOR DESIGN & CONSTRUCTION OF ANY

INFRASTRUCTURE WITHIN

RAILROAD RIGHT OF WAY

CAPMETRO GENERAL NOTES:

1. TO WORK IN THE RAILROAD RIGHT OF WAY (ROW) ALWAYS FOLLOW TRACK SAFETY STANDARDS IN RAILROAD RIGHT OF WAY PER 49 CFR, CHAPTER 2, PART 213.
2. ALL IMPROVEMENTS SHALL BE MADE IN ACCORDANCE WITH THE APPROVED PLANS. ANY ADDITIONAL IMPROVEMENTS WILL REQUIRE PLAN REVISIONS AND APPROVAL BY CAPITAL METRO (CAPMETRO).
3. THE EXISTING UTILITIES SHALL BE LOCATED PRIOR TO COMMENCING ANY EXCAVATIONS. APPROVAL OF THE PROJECT BY CAPMETRO DOES NOT CONSTITUTE A REPRESENTATION AS TO THE ACCURACY OR COMPLETENESS OF LOCATION OR THE EXISTENCE OR NON-EXISTENCE OF ANY UTILITIES OR STRUCTURES WITHIN THE LIMITS OF THIS PROJECT. THE APPROPRIATE REGIONAL NOTIFICATION CENTER [TEXAS EXCAVATION SAFETY SYSTEM SERVICE ALERT ONE CALL] AT (800) 344-8377, TEXAS811.org], RAILWAY COMPANIES AND UTILITY COMPANIES SHALL BE NOTIFIED PRIOR TO PERFORMING ANY EXCAVATION CLOSE TO ANY UNDERGROUND PIPELINE, CONDUIT, DUCT, WIRE OR OTHER STRUCTURE. REFER TO CAPMETRO'S WEBSITE (CapMetro.org/RailROW) TO ENSURE PROPER CONTACT INFORMATION AND PHONE NUMBERS.

CAPMETRO IS NOT A MEMBER OF ONE CALL. IT IS THEREFORE NECESSARY TO CALL HERZOG TRANSIT SERVICES (JUSTON SMITH AT 512-963-4615) TO HAVE SIGNAL SUPPORT SERVICES MARK, AT THE CONTRACTOR'S EXPENSE, SIGNAL AND COMMUNICATION CABLES AND CONDUITS IF WORKING IN THE CENTRAL SUBDIVISION. CALL WATCO (TYLER GEISSEN AT 512-289-6997 AND ORLANDO ORTIZ OF CDL, INC., AT 806-252-4393 TO MARK, AT THE CONTRACTOR'S EXPENSE, SIGNAL AND COMMUNICATION CABLES AND CONDUITS IF WORKING IN THE EAST & WEST SUBDIVISIONS. IN CASE OF SIGNAL EMERGENCIES OR ROADWAY-RAIL GRADE CROSSING PROBLEMS, THE CONTRACTOR SHALL CALL CAPMETRO'S 24-HOUR SIGNAL EMERGENCY NUMBER (844-592-8046).

WHEN THE NEW CROSSINGS INVOLVE GATES, THE MINIMUM REQUIRED CLEARANCE FROM



EXISTING OVERHEAD WIRES SHALL BE MAINTAINED, AND GATE FOUNDATIONS CHECKED FOR UTILITIES. IF UTILITIES CANNOT BE LOCATED, POTHOLING SHALL BE DONE TO LOCATE THE UTILITIES. CAPMETRO AND THE APPROPRIATE UTILITY OWNERS SHALL BE NOTIFIED IMMEDIATELY WHEN UTILITY LINES NOT KNOWN OR INDICATED ON THE DRAWINGS ARE ENCOUNTERED. NO SERVICE SHALL BE DISRUPTED UNTIL THE UTILITY OWNER AND CAPMETRO HAVE DETERMINED THE REQUIRED ACTION ON SUCH LINES.

4. THE CONTRACTOR SHALL NOTIFY CapMetro AT LEAST THREE WEEKS PRIOR TO THE INSTALLATION OF ANY DRAINAGE FACILITY WITHIN RAILROAD RIGHT-OF-WAY.
5. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST 48 HOURS PRIOR TO STARTING ANY WORK ON CITY RIGHT OF WAY. THE CONTRACTOR SHALL NOTIFY TXDOT AT LEAST FOUR WEEKS PRIOR TO STARTING ANY WORK ON STATE RIGHT OF WAY. A CHANGEABLE MESSAGE BOARD SHALL BE PLACED ALONG THE ROADWAY A MINIMUM OF SEVEN DAYS PRIOR TO BEGINNING THE WORK IN ORDER TO NOTIFY THE TRAVELING PUBLIC OF THE FUTURE ROAD WORK.
6. ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL HEALTH AND SAFETY ADMINISTRATION (OSHA) (COPIES OF THESE STANDARDS MAY BE PURCHASED FROM THE U.S. GOVERNMENT PRINTING OFFICE. INFORMATION AND RELATED REFERENCE MATERIAL MAY BE PURCHASED FROM OSHA, 903 SAN JACINTO, RM. 319, AUSTIN, TEXAS 78701), AS WELL AS FRA (FEDERAL RAILROAD ADMINISTRATION) REQUIREMENTS FOR ROADWAY WORKERS.
7. TRENCH EXCAVATION PROTECTION:
CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR STRUCTURAL DESIGN/GEOTECHNICAL/SAFETY/EQUIPMENT CONSULTANT, IF ANY, SHALL REVIEW THESE PLANS AND ANY AVAILABLE GEOTECHNICAL INFORMATION AND THE ANTICIPATED INSTALLATION SITE(S) WITHIN THE PROJECT WORKING AREA IN ORDER TO DEVELOP THE CONTRACTOR'S PLANS TO IMPLEMENT THE PROJECT DESCRIBED IN THE CONTRACT DOCUMENTS. THE CONTRACTOR'S PLANS SHALL PROVIDE FOR ADEQUATE TRENCH SAFETY EXCAVATIONS, ESPECIALLY, CONTRACTOR AND/OR CONTRACTOR'S INDEPENDENTLY RETAINED EMPLOYEE OR SAFETY CONSULTANT SHALL DEVELOP AND IMPLEMENT A TRENCH SAFETY PROGRAM IN ACCORDANCE WITH OSHA STANDARDS, COVERING THE PRESENCE AND ACTIVITIES OF INDIVIDUALS WORKING IN AND AROUND TRENCH EXCAVATION. THE CONTRACTOR PLANS AND OUTLINE FOR TRENCH SAFETY PROGRAM SHALL BE FURNISHED BY THE CONTRACTOR TO THE OWNER, PRIOR TO EXECUTION OF THE CONTRACT, FOR INCLUSION AS PART OF THE CONTRACT DOCUMENTS. THE DOCUMENTS FURNISHED TO THE OWNER ARE NOT FOR THE OWNER'S REVIEW, APPROVAL OR ENDORSEMENT OF THE CONTRACTOR'S PLAN AND TRENCH SAFETY PROGRAM, BUT SOLELY FOR THE PURPOSE OF INCLUDING DETAILED TRENCH SAFETY PLANS FOR THE PROJECT IN DOCUMENTS. BORING ACTIVITIES WILL TAKE PLACE OUTSIDE OF REVENUE SERVICE, TYPICALLY AT NIGHT OR ON WEEKENDS.



TRAVIS COUNTY, TEXAS
TRANSPORTATION AND NATURAL
RESOURCES DEPARTMENT
MAILING ADDRESS:
COUNTY CLERK'S OFFICE
SERVICES DIVISION
(512) 854-9383 FAX: 854-4626

PRECINCT: 1 / 2

TITLE: GILLELAND CREEK

GENERAL
NOTES

 <small>AUSTIN SAN ANTONIO HOUSTON FORT WORTH DALLAS 1800 W. MARSH CANY. BLVD. SUITE 200 FORT WORTH, TX 76104-1000 WWW.PAPE-DAWSON.COM (817) 335-1100</small>	NO.	REVISION	BY	DATE
	2			
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- 8. SEE CONSTRUCTION SEQUENCING PLAN AND TRAFFIC CONTROL AND CLOSURE PLANS FOR DETAILS ON PROJECT PHASING AND DETAILS ON TRAFFIC CONTROL AND CLOSURE ITEMS. THE CITY SHALL BE CONTACTED 48 HOURS PRIOR TO INSTALLATION OF TRAFFIC CONTROL AND CLOSURES AS APPLICABLE FOR EACH AFFECTED ROADWAY.
- 9. ALL EXCESS MATERIAL WILL BE DISPOSED OF OFF SITE. CONTRACTOR SHALL NOT DISPOSE OF SURPLUS MATERIAL FROM THE SITE WITHOUT NOTIFYING CAPMETRO 48 HOURS PRIOR TO THE REMOVAL. THE NOTIFICATION SHALL INCLUDE THE DISPOSAL LOCATION. CONTRACTOR SHALL DISPOSE OF CONTAMINATED SOIL IN ACCORDANCE WITH FEDERAL AND STATE REQUIREMENTS FOR APPROPRIATE DISPOSAL BASED ON ENVIRONMENTAL REQUIREMENTS.
- 10. CONTRACTOR IS RESPONSIBLE FOR DEMOLITION AND DISPOSAL OF ANY AND ALL EXISTING STRUCTURES ON SITE AS NOTED IN THE PLANS. CONTRACTOR SHALL REMOVE ITEMS AS DETAILED IN THE PLANS. CONTRACTOR SHALL REMOVE GRADE CROSSING EQUIPMENT, CONCRETE GRADE CROSSING PANELS AND SIGNAL HOUSES AND STOCKPILE USABLE TRACK MATERIALS AT CEDAR PARK YARD AND USABLE SIGNAL MATERIALS ABBOTT YARD.
- 11. ALL CONCRETE WORK SHALL CONFORM TO ALL APPLICABLE REQUIREMENTS OF ACI 301-10 AND CONTRACT SPECIFICATIONS.
- 12. ALL EXPOSED CORNERS FOR CONCRETE WORK SHALL BE CHAMFERED 1 INCH.
- 13. THE INFORMATION CONTAINED ON THESE DRAWINGS IN REGARD TO EXISTING UTILITIES, TOPOGRAPHY, CONTOURS OR SUBSURFACE CONDITIONS IS FURNISHED SOLELY AS THE BEST INFORMATION AVAILABLE AT THIS TIME. ITS ACCURACY IS NOT GUARANTEED AND ITS USE IN NO WAY RELIEVES THE CONTRACTOR OF ANY RESPONSIBILITY FOR LOSSES DUE TO ANY INACCURACIES.
- 14. THE CONTRACTOR SHALL NOTIFY CAPITAL METRO BEFORE BEGINNING ANY UTILITY CONSTRUCTION IN PUBLIC ROW OR PUBLIC EASEMENT. NO PIPE SHALL BE LAID UNTIL CAPMETRO OR ITS REPRESENTATIVE HAS MET WITH THE CONTRACTOR OR HIS REPRESENTATIVE AT THE PROJECT SITE.
- 15. ALL AREAS DISTURBED BY CONSTRUCTION SHALL BE RESTORED TO ORIGINAL CONDITIONS, INCLUDING REVEGETATION (HYDROMULCH) AND GRADING TO DRAIN AS REQUIRED BY THE CITY AT NO ADDITIONAL COST TO CAPITAL METRO.
- 16. CONTRACTOR SHALL BE RESPONSIBLE FOR ITS OWN SURVEY.
- 17. NO WORK SHALL BE PERMITTED WITHOUT A ROADWAY WORKER IN CHARGE (RWIC) WHEN WORK IS WITHIN CAPITAL METRO ROW OR EQUIPMENT HAS THE POTENTIAL TO

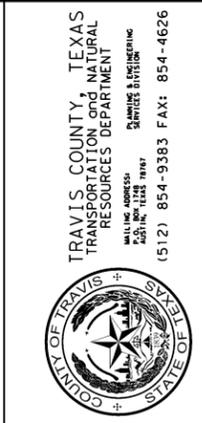


ENTER THE ROW. WORK IMPACTING RAILROAD SERVICES MAY REQUIRE A NIGHT OR WEEKEND SCHEDULE IF A FORM B CANNOT BE USED.

- 18. ALL CONTRACTORS WILL NEED TO SUBMIT AN ONLINE APPLICATION TO CAPMETRO'S REAL ESTATE DEPARTMENT FOR DEPLOYMENT OF RWIC, AT THE REQUIRED LOCATION OF THEIR WORK, WITHIN THE ROW. WHEN WORKING DIRECTLY ON CAPMETRO PROJECTS RWIC FEES SHALL BE WAIVED UPON APPROVAL FROM LISTED CAPMETRO PROJECT MANAGER AND THE INTERNAL PROJECT NUMBER INCLUDED IN THE ONLINE REQUEST. FOR THIRD PARTY CONTRACTORS WORKING IN THE RAILROAD ROW, THERE WILL BE A CHARGE FOR RWIC DEPLOYMENT AT \$100/HOUR.
- 19. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFICATION OF ALL QUANTITIES.
- 20. DESIGN AND CONSTRUCTION OF RAILROAD PROJECTS WITHIN THE ROW SHALL BE IN ACCORDANCE WITH THE AREMA MANUAL FOR RAILWAY ENGINEERING AND CAPMETRO GUIDELINES FOR RAILROAD GRADE SEPARATION PROJECTS (AS ANNOTATED BY TXDOT), OR KANSAS CITY SOUTHERN GUIDELINES FOR THE DESIGN AND CONSTRUCTION OF OVERPASSES AND UNDERPASSES AND TXDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS AND BRIDGES.
- 21. SAFETY AND SECURITY CERTIFICATION (SSC) WILL BE PERFORMED ON PROJECTS THAT REHABILITATE OR MODIFY AN EXISTING SYSTEM, NEW CONSTRUCTION THAT IMPACTS THE RAIL SYSTEM OR THE REPLACEMENT OF VEHICLES OR EQUIPMENT. SSC MAY ALSO BE PERFORMED AT THE REQUEST OF CAPMETRO SENIOR LEADERSHIP. SSC HAS THREE TIERS AND DEPENDING ON THE PROJECT'S SCOPE, SIZE AND IMPACT TO THE RAIL SYSTEM, THIS WILL DETERMINE THE TIER THAT MUST BE COMPLIED WITH. CAPMETRO HAS A STANDARD SSC PROGRAM THAT MUST BE FOLLOWED. COMMISSIONING OF THE PROJECT IS CONTINGENT ON FINAL SSC. A CAPMETRO SSC REPRESENTATIVE WILL WORK WITH THE CONTRACTOR TO ENSURE THE PROCESS IS DONE CORRECTLY.

GRADING NOTES:

- 1. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL MAKE CERTAIN THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES. PROJECTS THAT WILL REQUIRE SAFETY AND SECURITY CERTIFICATION MUST HAVE THAT PROCESS IN PLACE.
- 2. BARRICADING, TRAFFIC CONTROL AND PROJECT SIGNS SHALL CONFORM TO STATE AND CITY BARRICADING AND CONSTRUCTION STANDARDS AS APPLICABLE AND THE CONTRACT SPECIFICATIONS.



PRECINCT: 1 / 2

TITLE: GILLELAND CREEK

GENERAL NOTES

PAPE-DAWSON ENGINEERS <small>AUSTIN SAN ANTONIO HOUSTON FORT WORTH DALLAS 1800 W. MARSH DRIVE, SUITE 200 AUSTIN, TX 78751 512.453.8881 www.pape-dawson.com</small>	NO.	REVISION	BY	DATE
	3			
SHEET 8 OF 10				

Plotted on: 8/15/2024

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3. THE CONTRACTOR SHALL VERIFY THE SUITABILITY OF ALL EXISTING AND PROPOSED SITE CONDITIONS, INCLUDING GRADES AND DIMENSIONS, BEFORE COMMENCEMENT OF CONSTRUCTION. THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCIES. MINOR ADJUSTMENT TO FINISH GRADE TO ACCOMPLISH SPOT DRAINAGE IS ACCEPTABLE, IF NECESSARY, UPON PRIOR APPROVAL OF THE ENGINEER. PAVING INSTALLED SHALL MATCH EXISTING PAVING AT JOINTS AND NOT CREATE PUDDLES.
4. PROPOSED SPOT ELEVATION AND DESIGNATED GRADIENT ARE TO BE USED IN THE EVENT OF ANY DISCREPANCIES.
5. SITE PREPARATION AND GRADING AND FILL COMPACTION SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL ENGINEERING REPORT.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING UTILITIES DURING THE CONSTRUCTION OF THIS PROJECT.

RAILROAD NOTES:

ALL INFORMATION ASSOCIATED WITH CAPITAL METRO ROW REQUESTS CAN BE LOCATED AT CAPMETRO.ORG/RAILROW

ANY WORKERS WORKING WITHIN THE RAILROAD RIGHT OF WAY MUST HAVE ROADWAY WORKER PROTECTION (RWP) TRAINING AND SUCCESSFULLY RECEIVE CERTIFICATION. WORKERS MUST PRESENT A COPY OF THEIR CERTIFICATION TO THE RWIC BEFORE ACCESS TO THE RIGHT OF WAY WILL BE GRANTED, AND THEY MUST CARRY THE CERTIFICATION WITH THEM AT ALL TIMES WHILE ON THE RIGHT OF WAY. CERTIFICATIONS EXPIRE AFTER ONE YEAR. ROADWAY WORKER PROTECTION TRAINING IS PROVIDED BY HERZOG TRANSIT SERVICES. CONTACT HTSI'S ADMIN DEBRA GLEICH AT 512-770-8662 FOR INFORMATION REGARDING TRAINING.

1. CAPITAL METRO MUST APPROVE ALL ACCESS TO AND ACTIVITIES WITHIN THE CAPITAL METRO ROW PRIOR TO ENTERING INTO THE RAILROAD ROW OR THE PERFORMANCE OF ANY WORK. ALL INDIVIDUALS OR CONTRACTORS REQUIRING ACCESS TO THE RAILROAD ROW MUST HAVE AN APPROVED LICENSE AGREEMENT AND/OR WORK PERMIT PRIOR TO ANY WORK WITHIN THE RAILROAD ROW. INDIVIDUALS OR CONTRACTORS MUST FOLLOW ALL SAFETY REQUIREMENTS OF CAPITAL METRO.
2. ANY WORK WITHIN THE CAPITAL METRO RIGHT OF WAY CAN ONLY PROCEED WITH THE PRESENCE OF A QUALIFIED RWIC AND AFTER AN INITIAL JOB BRIEFING IS HELD OFF SITE. AT THAT TIME RWP CERTIFICATIONS WILL BE INSPECTED. ANY WORKER WHO CANNOT PRODUCE A VALID AND IN DATE CERTIFICATION WILL NOT BE PERMITTED IN THE ROW. ANY WORK



INVOLVING EQUIPMENT THAT HAS THE POTENTIAL TO ENTER THE FOUL ZONE MAY ONLY BE PERFORMED WITH THE PROTECTION OF A QUALIFIED RWIC. SCHEDULING OF RWICS IS COORDINATED BY CAPITAL METRO RAIL OPERATIONS.

3. CONTRACTOR SHALL NOTIFY CAPMETRO AND ITS OPERATIONS & MAINTENANCE CONTRACTOR, HERZOG TRANSIT SERVICES (IF WORKING IN THE CENTRAL SUBDIVISION) OR AUSTIN WESTERN RAILROAD (IF WORKING IN EAST OR WEST SUBDIVISION), THREE WEEKS BEFORE COMMENCING WORK WITHIN THE CAPMETRO RIGHT-OF-WAY IN ORDER TO SCHEDULE ROADWAY WORKER PROTECTION TRAINING CLASS, TRACK ACCESS AND RWIC SERVICES IF NEEDED AND SCHEDULE TRACK OUTAGES.
4. COMPLY WITH ALL CONDITIONS OF PERMIT FOR CONSTRUCTION IN RAILROAD ROW.
5. CONSTRUCTION IN RAILROAD ROW SHALL NOT PROGRESS UNTIL PROOF OF INSURANCE IS PROVIDED TO CAPMETRO.
6. THE CONTRACTOR MUST REQUEST THAT ALL RAILROAD SIGNAL GRADE CROSSING AND COMMUNICATION CABLES WITHIN THE LIMITS OF CONSTRUCTION BE LOCATED AND TAKE CARE NOT TO DAMAGE THEM. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN MARKING OF CABLES AND FOR THE REPAIR OF ANY DAMAGE TO CAPITAL METRO SIGNAL FACILITIES.
7. CONTRACTOR SHALL MAINTAIN A MINIMUM CONSTRUCTION CLEARANCE OF 23'-7" VERTICALLY ABOVE THE PLANE OF THE TOP OF RAIL (TOR).
8. ANY CONSTRUCTION FEATURE WILL HAVE 10' HORIZONTAL CLEARANCE FROM THE CENTER OF THE TRACK
9. TRENCHING FOR THE UNDERGROUND CABLE OR UTILITY PIPE PARALLEL TO THE TRACK SHOULD BE PROVIDED TOWARD THE EDGE OF THE ROW.
10. BEFORE ANY EXCAVATION ON THE ROW GET DETAILS OF THE EMBEDDED PTC FIBER IN TERMS OF THE OFFSET & DEPTH OF THE FIBER OPTIC LINE IF WORKING WITHIN CENTRAL SUBDIVISION.

GENERAL SHORING REQUIREMENTS

1. RAILROAD REVIEW AND APPROVAL OF SHORING, ERECTION, DEMOLITION AND FALSEWORK IS REQUIRED. ALLOW A MINIMUM OF FOUR WEEKS FOR THE REVIEW AND APPROVAL OF EACH SUBMITTAL.
2. THE PROJECT SHALL NOT INCREASE THE QUANTITY AND/OR CHARACTERISTICS OF THE FLOW IN THE RAILROAD'S DITCHES AND/OR DRAINAGE STRUCTURES. IN THE RARE EVENT THAT A



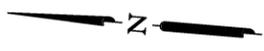
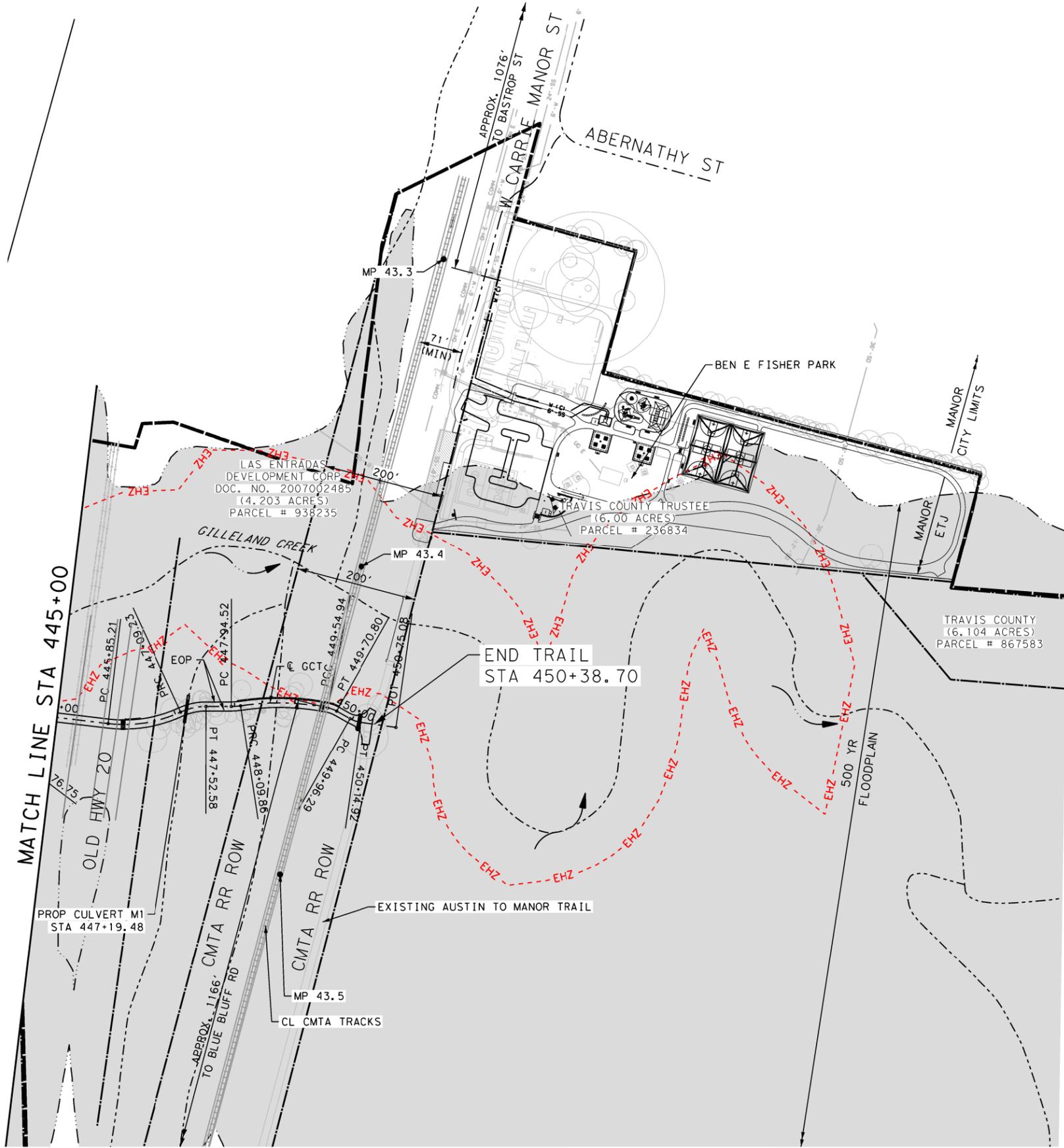
TRAVIS COUNTY, TEXAS
TRANSPORTATION AND NATURAL
RESOURCES DEPARTMENT
PLANNING & ENGINEERING
SERVICES DIVISION
MAILING ADDRESS:
COUNTY SEAL
(512) 854-9383 FAX: 854-4626

PRECINCT: 1 / 2

TITLE: GILLELAND CREEK

GENERAL
NOTES

 <small>AUSTIN SAN ANTONIO HOUSTON FORT WORTH DALLAS 1800 W. MARSH CANY. BLVD. SUITE 200 AUSTIN, TX 78751 (512) 837-8888 www.pape-dawson.com</small>	NO.	REVISION	BY	DATE
	4			
SHEET 9 OF 10				



LEGEND

	PROPERTY LINE
	500 YR FLOODPLAIN LIMIT
	CREEK/STREAM CENTERLINE
	EROSION HAZARD ZONE
	CRITICAL WATER QUALITY ZONE
	WATERS OF THE U.S.
	WETLAND BUFFER ZONE
	CRITICAL ENVIRONMENTAL FEATURE

TRAVIS COUNTY, TEXAS
 TRANSPORTATION AND NATURAL RESOURCES DEPARTMENT
 MAILING ADDRESS: 1100 W. FABRIKAY ST., SUITE 100, AUSTIN, TX 78746
 PHONE: (512) 854-9383 FAX: 854-4626

PRECINCT: 1 / 2

SCALE: PLAN 1" = 200'

TITLE: GILLELAND CREEK

PROJECT LAYOUT
 STA 445+00 TO
 END PROJECT

Heather McNeal

8/15/2024

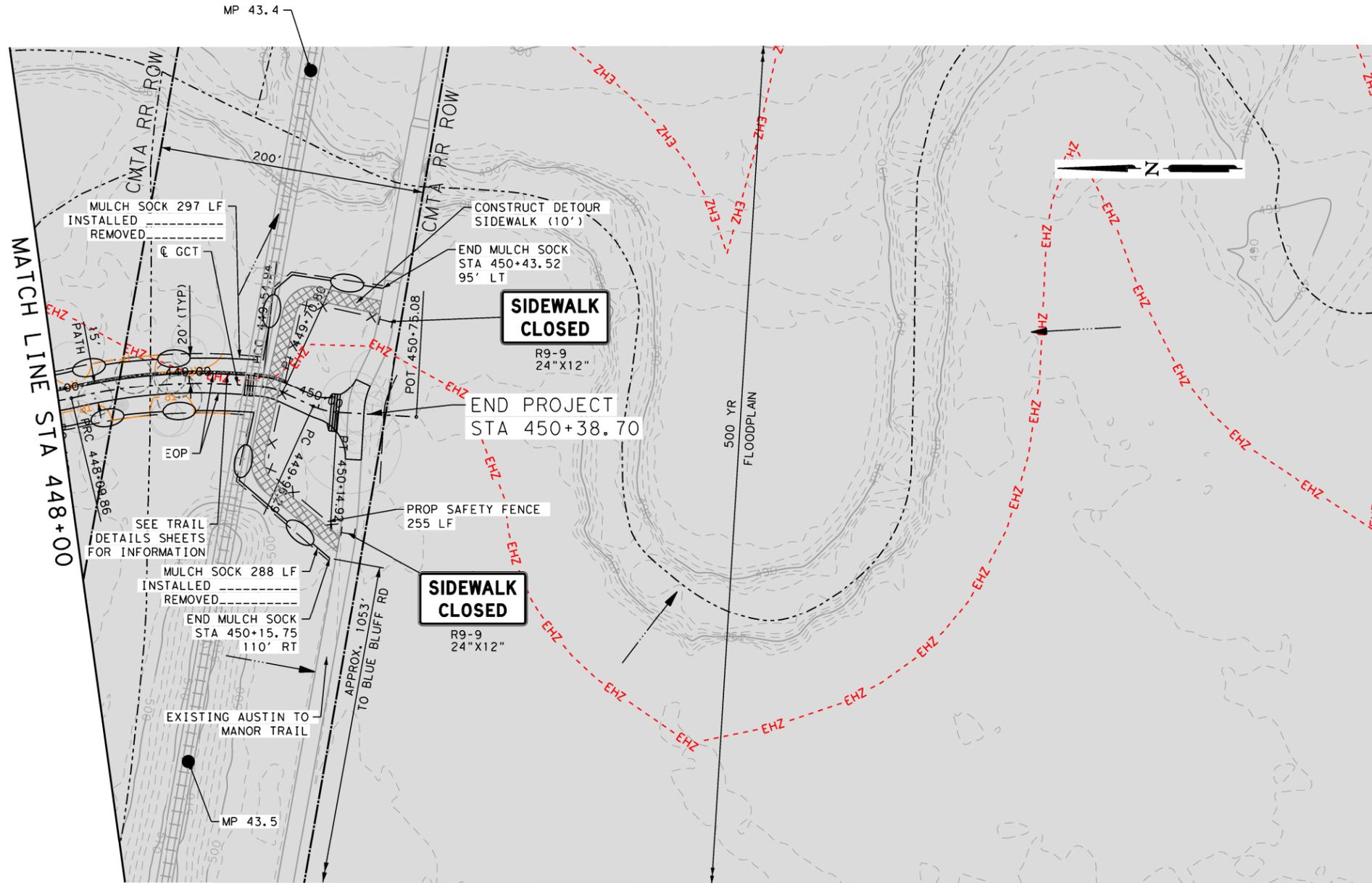
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SHEET NO. 6
 SHEET 8 OF 8

PAPE-DAWSON ENGINEERS
 AUSTIN | SAN ANTONIO | HOUSTON | FORT WORTH | DALLAS
 1800 W. MARSH CANYON BLVD., SUITE 200 | AUSTIN, TX 78758 | (512) 833-8881
 WWW.PAPE-DAWSON.COM | INFO@PAPE-DAWSON.COM

Plotted on: 8/15/2024

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SW3P LEGEND

- MULCH SOCK
- ROCK FILTER DAM (TY 1)
- ROCK FILTER DAM (TY 4)
- DEWATERING (COFFERDAM)
- PROP DETOUR SIDEWALK
- TYPE III BARRICADE
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- DRAINAGE FLOW ARROW
- LIMITS OF CONSTRUCTION
- PROPERTY LINE
- 500 YR FLOODPLAIN LIMIT
- CREEK/STREAM CENTERLINE
- CREEK FLOW DIRECTION
- EROSION HAZARD ZONE
- CRITICAL WATER QUALITY ZONE
- WATERS OF THE U.S.
- WETLAND BUFFER ZONE
- CRITICAL ENVIRONMENTAL FEATURE
- TREE PROTECTION
- TRAFFIC FLOW ARROW
- TREE (REMOVALS ARE DASHED)

- SW3P NOTES**
1. REFER TO CITY OF AUSTIN SW3P STANDARD SHEETS FOR DETAILS.
 2. INSTALLED MEASURES SHALL REMAIN IN PLACE AND BE INSPECTED WEEKLY. ALL ITEMS SHALL BE MAINTAINED AND REPAIRED THROUGHOUT DURATION OF USE.
 3. SW3P MEASURES SHOWN ARE MINIMUM REQUIREMENTS BASED UPON PROJECT DESIGN. INSTALLATION OF SW3P MEASURES WILL BE SHOWN AND MODIFIED TO ACCOMMODATE ACTUAL FIELD CONDITIONS.
 4. MULCH SOCK SHOULD TYPICALLY BE PLACED AT 5' MINIMUM AWAY FROM THE TOE OF SLOPES NO STEEPER THAN 2:1. MULCH SOCK IS PURPOSELY SHOWN OFF-SET FROM SAID LINES FOR VISUAL CLARITY. CONTRACTOR TO INSTALL MULCH SOCK AROUND TREES AND OTHER OBSTRUCTIONS.
 5. ROCK FILTER DAMN SHOULD BE PLACED AT THE DOWNSTREAM END OF DRAINAGE STRUCTURES IDENTIFIED IN PLANS AND WITHIN THE LIMITS OF CONSTRUCTION. ROCK FILTER DAMN IS PURPOSELY SHOWN OFFSET FOR VISUAL CLARITY.
 6. PER TRAVIS COUNTY BASE DEVELOPMENT REGULATIONS, 500 YR PRE-ATLAS 14 HYDROLOGY & HYDRAULICS WERE USED IN PLACE OF 100 YR ATLAS 14 HYDROLOGY & HYDRAULICS.
 7. MULCH SOCK REMOVAL IS SUBSIDIARY TO ITEM 648S.
 8. TREE REMOVAL SHOWN WITH BEST AVAILABLE SURVEY DATA, ANY ADDITIONAL REMOVA. OR PROTECTION NECESSARY IS N.S.P.I.
 9. CONTRACTOR TO PLACE SEEDING IN DISTURBED AREAS.
 10. TEMPORARY SEEDING PAID FOR UNDER ITEM 604S.
 11. TREE PROTECTION SUBSIDIARY TO ITEM 101S-B PREPARING RIGHT OF WAY

TRAVIS COUNTY, TEXAS
TRANSPORTATION AND NATURAL RESOURCES DEPARTMENT
Mailing Address: 1100 W. BRIDGES BLVD., SUITE 200 | AUSTIN, TX 78768
Phone: (512) 854-9383 | Fax: (512) 854-9383

PRECINCT: 1 / 2

TITLE: GILLELAND CREEK
EROSION SEDIMENTATION CONTROL PLAN
STA 448+00 TO END PROJECT

Heather McNeal

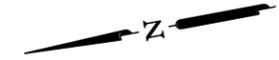
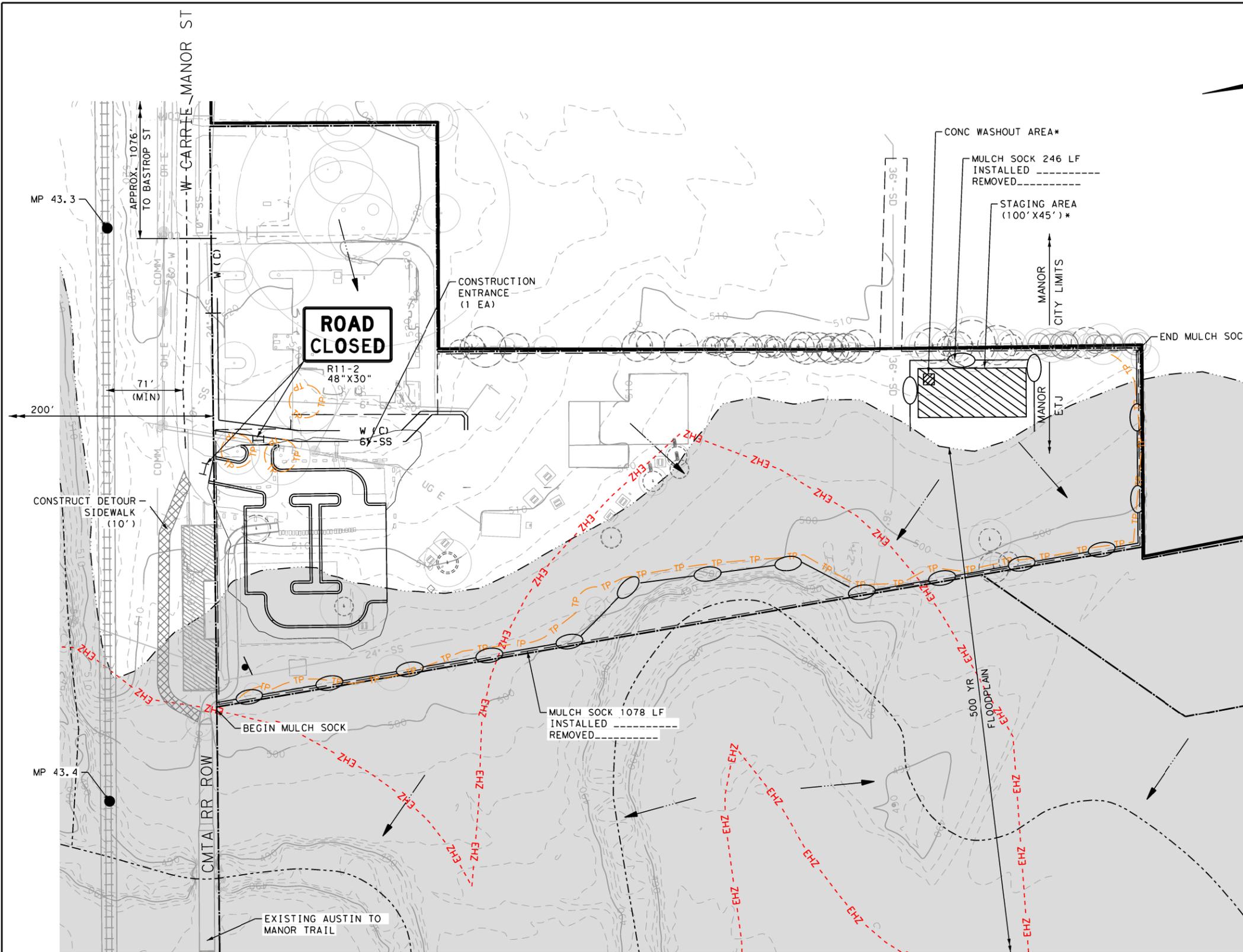
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PAPE-DAWSON ENGINEERS
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1800 W. BRIDGES BLVD., SUITE 200 | AUSTIN, TX 78768
Phone: (512) 854-9383 | Fax: (512) 854-9383

SHEET NO. 7
SHEET 17 OF 18

Plotted on: 8/15/2024

Design File name: H:\Projects\51137\00\Design\Civil\Exhibit A\Sheets\5113700_SW3P19_Exhibit A.dgn



- SW3P LEGEND**
- MULCH SOCK
 - ROCK FILTER DAM (TY 1)
 - ROCK FILTER DAM (TY 4)
 - DEWATERING (COFFERDAM)
 - PROP DETOUR SIDEWALK
 - TYPE III BARRICADE
 - EXISTING 10' CONTOUR
 - EXISTING 2' CONTOUR
 - DRAINAGE FLOW ARROW
 - LIMITS OF CONSTRUCTION
 - PROPERTY LINE
 - 500 YR FLOODPLAIN LIMIT
 - CREEK/STREAM CENTERLINE
 - CREEK FLOW DIRECTION
 - EROSION HAZARD ZONE
 - CRITICAL WATER QUALITY ZONE
 - WATERS OF THE U.S.
 - WETLAND BUFFER ZONE
 - CRITICAL ENVIRONMENTAL FEATURE
 - TREE PROTECTION
 - TRAFFIC FLOW ARROW
 - TREE (REMOVALS ARE DASHED)

- SW3P NOTES**
1. REFER TO CITY OF AUSTIN SW3P STANDARD SHEETS FOR DETAILS.
 2. INSTALLED MEASURES SHALL REMAIN IN PLACE AND BE INSPECTED WEEKLY. ALL ITEMS SHALL BE MAINTAINED AND REPAIRED THROUGHOUT DURATION OF USE.
 3. SW3P MEASURES SHOWN ARE MINIMUM REQUIREMENTS BASED UPON PROJECT DESIGN. INSTALLATION OF SW3P MEASURES WILL BE SHOWN AND MODIFIED TO ACCOMMODATE ACTUAL FIELD CONDITIONS.
 4. MULCH SOCK SHOULD TYPICALLY BE PLACED AT 5' MINIMUM AWAY FROM THE TOE OF SLOPES NO STEEPER THAN 2:1. MULCH SOCK IS PURPOSELY SHOWN OFF-SET FROM SAID LINES FOR VISUAL CLARITY. CONTRACTOR TO INSTALL MULCH SOCK AROUND TREES AND OTHER OBSTRUCTIONS.
 5. ROCK FILTER DAMN SHOULD BE PLACED AT THE DOWNSTREAM END OF DRAINAGE STRUCTURES IDENTIFIED IN PLANS AND WITHIN THE LIMITS OF CONSTRUCTION. ROCK FILTER DAMN IS PURPOSELY SHOWN OFFSET FOR VISUAL CLARITY.
 6. PER TRAVIS COUNTY BASE DEVELOPMENT REGULATIONS, 500 YR PRE-ATLAS 14 HYDROLOGY & HYDRAULICS WERE USED IN PLACE OF 100 YR ATLAS 14 HYDROLOGY & HYDRAULICS.
 7. MULCH SOCK REMOVAL IS SUBSIDIARY TO ITEM 648S.
 8. TREE REMOVAL SHOWN WITH BEST AVAILABLE SURVEY DATA, ANY ADDITIONAL REMOVAL OR PROTECTION NECESSARY IS N.S.P.I.
 9. CONTRACTOR TO PLACE SEEDING IN DISTURBED AREAS.
 10. TEMPORARY SEEDING PAID FOR UNDER ITEM 604S.
 11. TREE PROTECTION SUBSIDIARY TO ITEM 101S-B PREPARING RIGHT OF WAY

* - CONTRACTOR TO DETERMINE ACTUAL LOCATION BASED ON FIELD CONDITIONS. CONC WASHOUT, TEMPORARY DRN PIPES, AND TEMPORARY ACCESS ROAD ARE SUBSIDIARY TO VARIOUS BID ITEMS. CONCRETE WASHOUT MUST INCLUDE PLASTIC LINER.

TRAVIS COUNTY, TEXAS
 TRANSPORTATION AND NATURAL RESOURCES DEPARTMENT
 MAILING ADDRESS: 1100 W. BRIDGES BLVD., SUITE 100, AUSTIN, TX 78703
 PHONE: (512) 854-9383 FAX: 854-4626

PRECINCT: 1 / 2

TITLE: GILLELAND CREEK
**EROSION
 SEDIMENTATION
 CONTROL PLAN**
 BEN E FISHER PARK

Heather McNeal
 8/15/2024

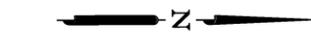
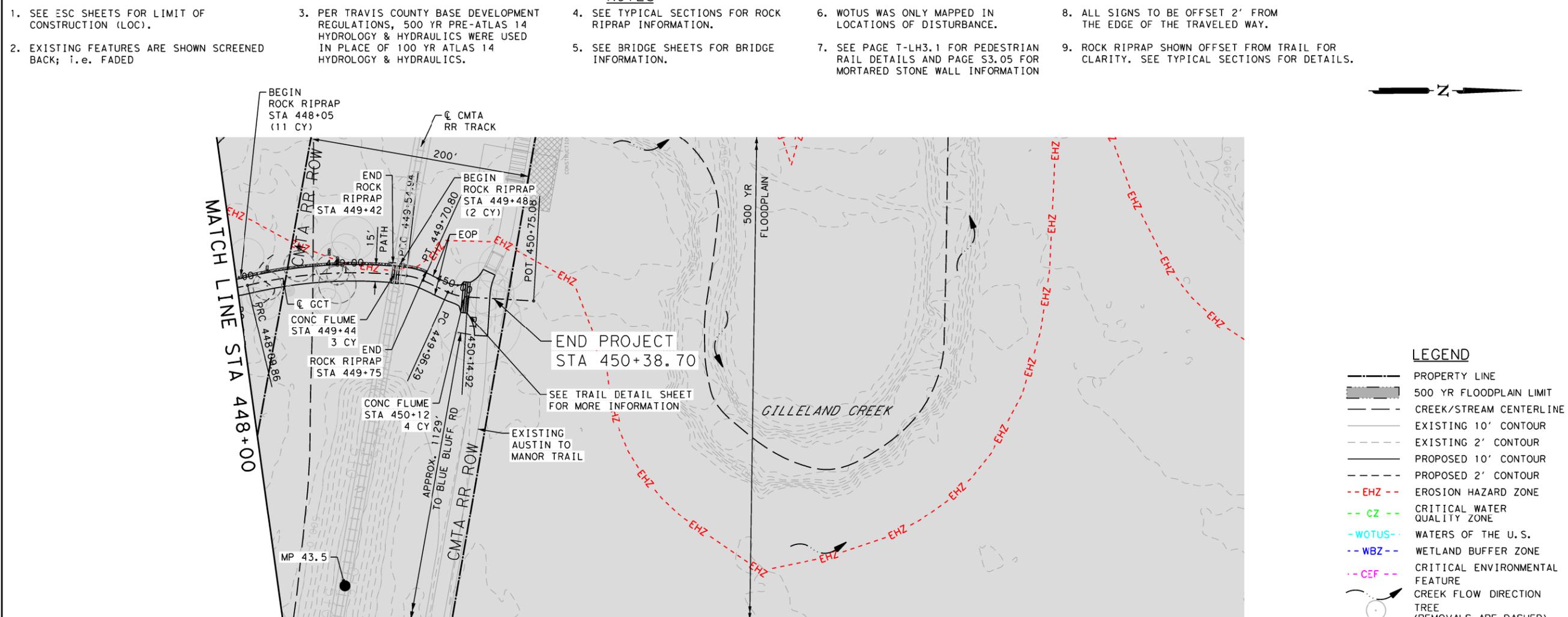
NO.	REVISION	BY	DATE

SHEET NO. 8
 SHEET 18 OF 18

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- LEGEND**
- PROPERTY LINE
 - 500 YR FLOODPLAIN LIMIT
 - CREEK/STREAM CENTERLINE
 - EXISTING 10' CONTOUR
 - EXISTING 2' CONTOUR
 - PROPOSED 10' CONTOUR
 - PROPOSED 2' CONTOUR
 - EHZ
 - CZ
 - WOTUS
 - WBZ
 - CEF
 - CRITICAL WATER QUALITY ZONE
 - WATERS OF THE U.S.
 - WETLAND BUFFER ZONE
 - CRITICAL ENVIRONMENTAL FEATURE
 - CREEK FLOW DIRECTION
 - TREE (REMOVALS ARE DASHED)

TRAVIS COUNTY, TEXAS
 TRANSPORTATION AND NATURAL RESOURCES DEPARTMENT
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 PHONE: (512) 854-9383 FAX: 854-4626

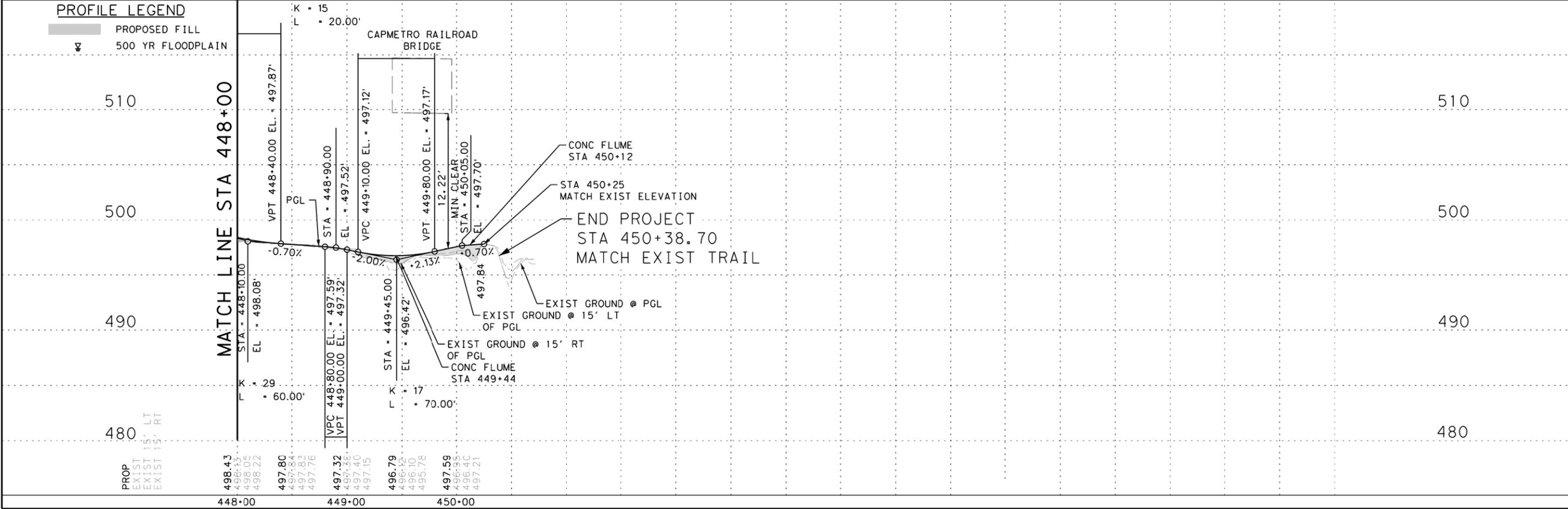
PRECINCT: 1 / 2

SCALE: PLAN 1" = 100'
 PROFILE 1" = 10'

TITLE: GILLELAND CREEK

PLAN AND PROFILE
 STA 448+00 TO END PROJECT

Heather McNeal
 8/15/2024



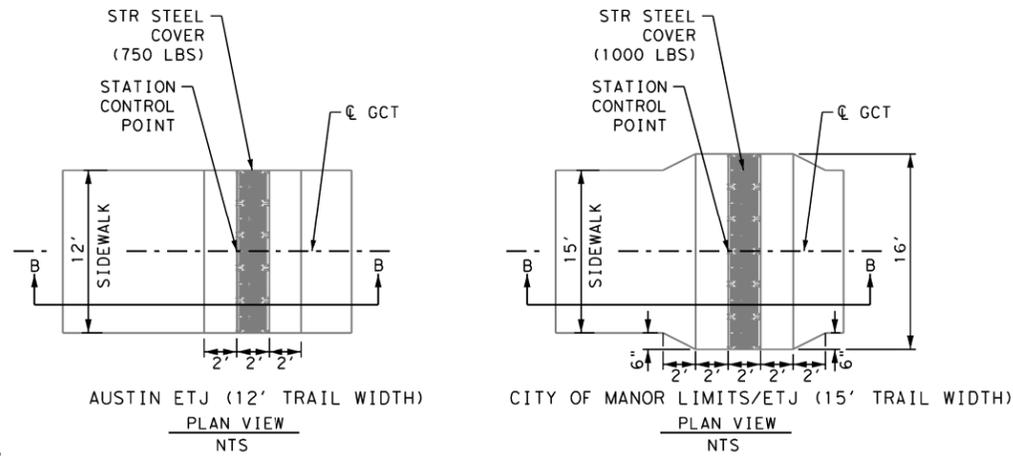
NO.	REVISION	BY	DATE

SHEET NO. 9
 SHEET 33 OF 33

PAPE-DAWSON ENGINEERS
 AUSTIN | SAN ANTONIO | HOUSTON | FORT WORTH | DALLAS
 1800 W. BRIDGE STREET, SUITE 200 | AUSTIN, TX 78701 | (512) 476-1111
 www.pape-dawson.com

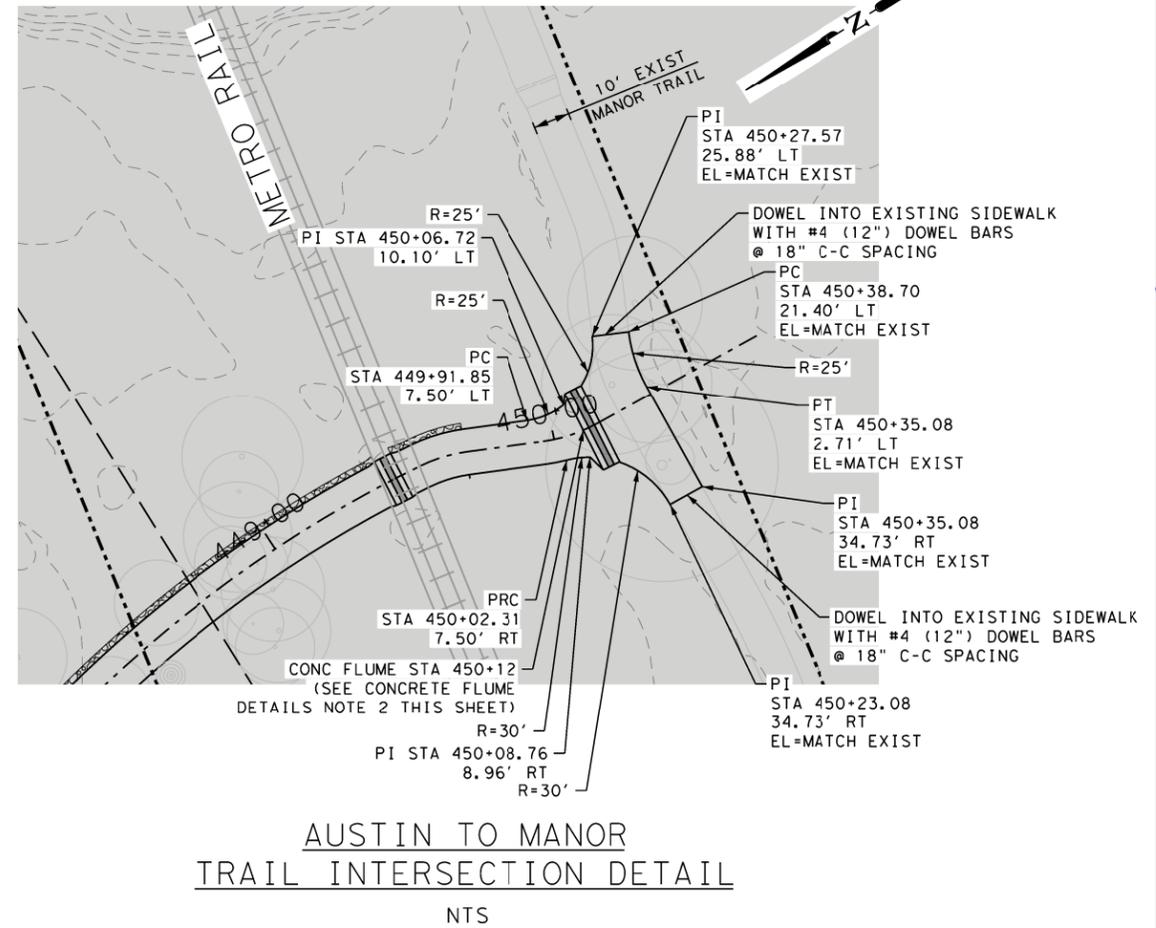
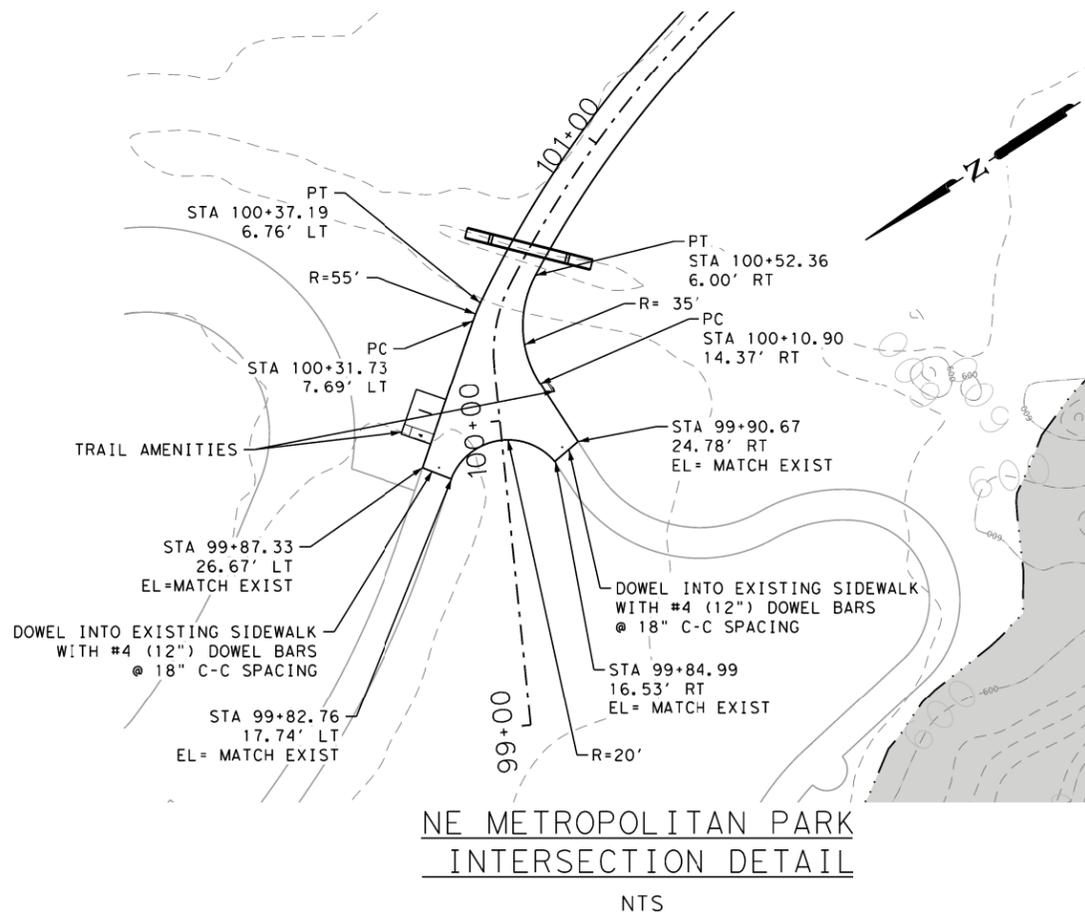
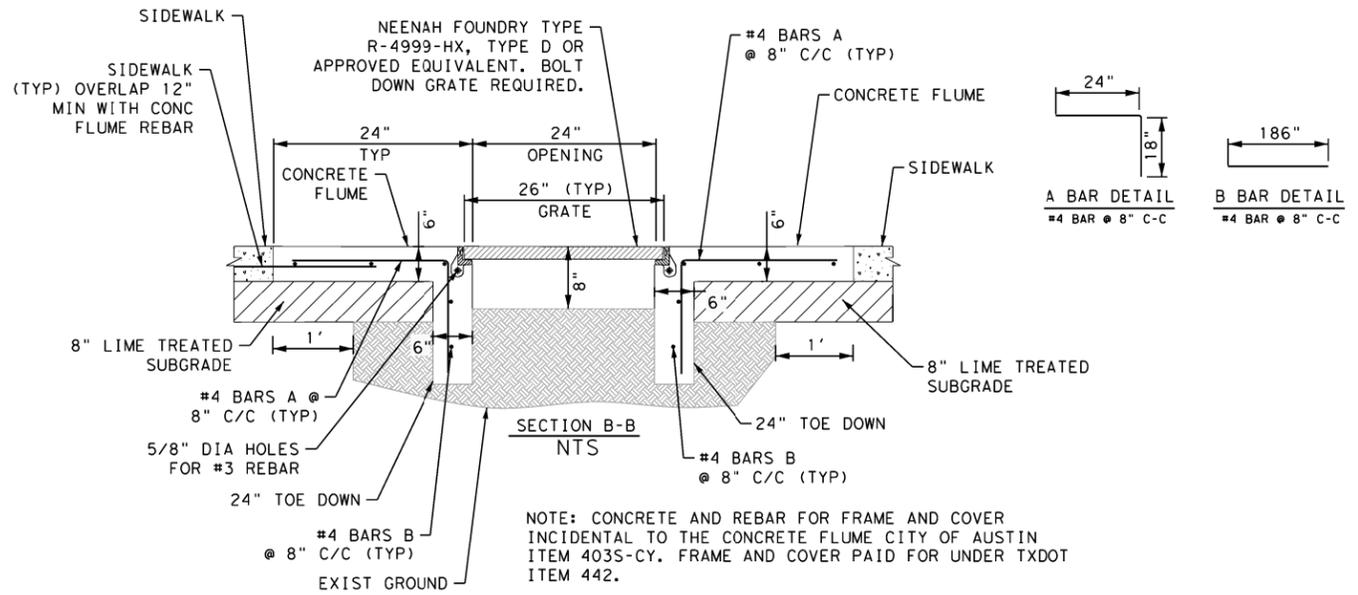
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- NOTES:
- 2' WIDE SIDEWALK GAP TO PROVIDE NATURAL DRAINAGE FLUME. TO BE FIELD LOCATED BY ENGINEER BASED ON SITE DRAINAGE CONDITIONS.
 - CONCRETE FLUME AT STATION 450+12.00 TO BE 28' LONG, AND STR STEEL COVER TO BE 1750 LBS.

CONCRETE FLUME DETAILS
NTS



TRAVIS COUNTY, TEXAS
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MAILING ADDRESS: 1100 W. BRIDGES BLVD., SUITE 1100, AUSTIN, TX 78703
PHONE: (512) 854-9383 FAX: (512) 854-4626

PRECINCT: 1 / 2

SCALE: N/A
HORIZ: N/A
VERT: N/A

TITLE: GILLELAND CREEK
TRAIL DETAILS

DESIGN
HEATHER MCNEAL
114428
REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS

APPROVAL
7/17/2024
JAMES A. LUTZ
84722
REGISTERED PROFESSIONAL ENGINEER
STATE OF TEXAS

NO.	REVISION	BY	DATE

SHEET NO. 113
SHEET 1 OF 2

PAPE-DAWSON ENGINEERS
AUSTIN | SAN ANTONIO | HOUSTON | FORT WORTH | DALLAS
1800 W. BRIDGES BLVD., SUITE 200 | AUSTIN, TX 78703
WWW.PAPE-DAWSON.COM | (512) 441-1111

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I. WORK AT CROSSING LOCATIONS (AT GRADE, HIGHWAY OVERPASS, HIGHWAY UNDERPASS, PEDESTRIAN, OR CLOSED/ABANDONED)

This project is adjacent or parallel work, not within RR ROW:
 DOT No.: 1,830' west of DOT 765574D
 Crossing Type: SHARED-USE-PATH UNDERPASS
 RR Company Operating Track at Crossing: CAP METRO
 RR Company Owning Track at Crossing: CAP METRO
 RR MP: 43.3; 43.4
 RR Subdivision: East
 City: MANOR
 County: TRAVIS
 CSJ at this Crossing: _____
 Latitude: 30.341063
 Longitude: -97.565345

Scope of Work, including any TCP, to be performed by State Contractor:

CONSTRUCTION OF SHARED-USE-PATH FOR GILLELAND CREEK GREENWAY IMPROVEMENTS UNDERNEATH THE RAILROAD.

Scope of Work to be performed by Railroad Company:

NONE.

II. FLAGGING & INSPECTION

No. of Days of Railroad Flagging Expected: 0
 On this project, night or weekend flagging is:
 Expected
 Not Expected

Flagging services will be provided by:

Railroad Company: 1) Txdot will pay flagging invoices. Flagging Agreement with railroad will be needed or, 2) Permitted crossing. Railroad company to provide flagging.
 Outside Party: Contractor will pay flagging invoices to be reimbursed by TxDOT

Contractor must incorporate flaggers into anticipated construction schedule. The Railroad requires a 30-day notice if their flaggers are to be utilized. If Contractor falls behind schedule due to their own negligence and is not ready for scheduled flaggers, any flagging charges will be paid by Contractor.

Contact Information for Flagging:

UPRR UP.info@railpros.com
 Call Center 877-315-0513, Select #1 for flagging
 UP.request@nrssinc.net
 Call Center 877-984-6777

BNSF BNSFinfo@railprofs.com
 Call Center 877-315-0513, Select #1 for flagging

CPKCR KCS.info@railpros.com
 Call Center 877-315-0513, Select #1 for flagging
 Bottom Line On-Track Safety Services
 bottomline076@aol.com, 903-767-7630

OTHERS:

CMTY: VINCENT SANDOVAL
 (512) 369-6049
 VINCENT.SANDOVAL@CAPMETRO.ORG

Contractor must incorporate railroad construction inspection into anticipated construction schedule.

Not Required
 Required. Contact Information for Construction Inspection:

III. CONSTRUCTION WORK TO BE PERFORMED BY THE RAILROAD

Required.
 Not Required
 Railroad Point of Contact: _____

Coordinate with TxDOT for any work to be performed by the Railroad Company. TxDOT must issue a work order for any work done by the Railroad Company prior to the work being performed.

IV. RAILROAD INSURANCE REQUIREMENTS

The Contractor shall confirm the insurance requirements with the Railroad as the insurance limits are subject to change without notice.

Insurance policies and corresponding certificates of insurance must be issued by the contractor on behalf of the Railroad. Separate insurance policies and certificates are required when more than one Railroad Company is operating on the same right of way, or when several Railroad Companies are involved and operate on their own separate right of ways.

No direct compensation will be made to the Contractor for providing the insurance coverages shown below or any deductibles. These costs are incidental to the various bid items.

Escalated Limits	
Type of Insurance	Amount of Coverage (Minimum)
Workers Compensation	\$500,000 / \$500,000 / \$500,000
Commercial General Liability	\$2,000,000 / \$4,000,000
Business Automobile	\$2,000,000

Railroad Protective Liability Limits	
<input type="checkbox"/> Not Required	
<input type="checkbox"/> Non - Bridge/Typical Maintenance Projects. Includes repairs to overpass/underpass and culvert structures	\$2,000,000 / \$6,000,000
<input type="checkbox"/> Bridge Structure Projects. Includes new construction or replacement of overpass/underpass structures	\$5,000,000 / \$10,000,000
<input checked="" type="checkbox"/> Other: <u>None-Bridge/Underpass</u>	\$5,000,000 / \$5,000,000

NOTE: ALL REFERENCES TO TXDOT SHOULD BE REPLACED WITH TRAVIS COUNTY.

V. CONTRACTOR'S RIGHT OF ENTRY (CROE)

Not Required
 Required: UPRR Maintenance Consent Letter. TxDOT to assist
 Required: TxDOT to assist in obtaining the UPRR CROE
 Required: Contractor to obtain

- BNSF: _____
https://bnsf.railpermitting.com
- CPKCR
https://jllrpg.360works.com/fmi/webd/rpo_web_kcs.fmp12
- Other Railroads: https://www.capmetro.org/railrow/

To view previously approved CROE templates agreed upon between the State and Railroad, see: <https://www.txdot.gov/business/resources/railroad-highway-crossing/sample-right-of-entry-agreements.html>

Approved CROE templates are not to be modified by the Contractor.

Contractor shall not operate within Railroad Right of Way without an executed Construction & Maintenance Agreement between the State and the Railroad and an executed CROE between the Contractor and the Railroad if required on project.

VI. RAILROAD COORDINATION MEETING

A Railroad Coordination Meeting is required. See item 5, Article 8.1, of the Standard Specifications for Construction and Maintenance of Highways, Streets and Bridges Manual for more details.

VII. RAILROAD SAFETY ORIENTATION

A. Complete the Railroad's course "Orientation for Contractor's Safety," and maintain registration prior to working on the Railroad's property. This course is required to be completed annually by Contractor and Subcontractor personnel working on site.

UPRR, BNSF, CPKCR will not accept on-track safety training certificates from other Railroads. Refer to each Railroad's specific contractor right of entry for training information.

Know and follow the Contractor's Right of Entry Agreement EXHIBIT D, MINIMUM SAFETY REQUIREMENTS regarding clothing, personal protective equipment, and general safety requirements.

VIII. SUBCONTRACTORS

Contractor shall not subcontract work without written consent of TxDOT. Subcontractors are subject to the same insurance requirements as the Prime Contractor.

IX. EMERGENCY NOTIFICATION

In Case of Railroad Emergency
 Call: CAP METRO
 Railroad Emergency Line at: 844-592-8046
 Location: DOT 1,830' west of DOT 765574D
 RR Milepost: 43.3; 43.4
 Subdivision: East

RRD Review Only
 Initials: _____
 Date: _____

Rail Division

RAILROAD SCOPE OF WORK

PROJECT SPECIFIC DETAILS

FILE: rr-scope-of-work.pdf	DN: TxDOT	CK:	DW:	CK:
© TxDOT June 2014	CONT	SECT	JOB	HIGHWAY
REVISIONS				
6/2023	DIST	COUNTY		SHEET NO.
				11

PART 1 - GENERAL

1.01 DESCRIPTION

This project includes construction work within the right of way and/or properties of the Railroad and adjacent to its tracks, wire lines and other facilities. These sheets describe the minimum special requirements for coordination with the Railroad when working upon, over or under Railroad Right of Way or when impacting current or future Railroad operations. Coordinate with the Railroad while performing the work outlined herein, and afford the same cooperation with the Railroad as with TxDOT. Complete all submittals and work in accordance with TxDOT Standard Specifications, Railroad Guidelines and AREMA recommendations as modified by these minimum special requirements or as directed in writing by the Railroad Designated Representative.

For purposes of this project, the Railroad Designated Representative is the person or persons designated by the Railroad Manager of Industry and Public Projects to handle specific tasks related to the project.

1.02 REQUEST FOR INFORMATION / CLARIFICATION

Submit Requests for Information ("RFI") involving work within any Railroad Right of Way to the TxDOT Engineer. The TxDOT Engineer will submit the RFI to the Railroad Designated Representative for review and approval for RFI's corresponding to work within Railroad Right of Way. Allow six (6) weeks total time for review and approval, which includes four (4) weeks for review and approval by the Railroad.

1.03 PLANS / SPECIFICATIONS

TxDOT has received written Railroad approval of the plans and specifications for this project. Any revisions or changes in the plans after award of the Contract must have the approval of TxDOT and the Railroad.

PART 2 - UTILITIES AND FIBER OPTIC

Construct all utility installations in accordance with current AREMA recommendations, Railroad, TxDOT and owning utility specifications and requirements. Railroad general guidelines can be found on the Railroad website or by contacting the Railroad Designated Representative.

PART 3 - CONSTRUCTION

3.01 GENERAL

- A. Perform all work in compliance with all applicable Railroad, Federal Railroad Administration (FRA), and TxDOT rules and regulations. Arrange and conduct work in a manner that does not endanger or interfere with the safe operation of the tracks and property of the Railroad and the traffic moving on such tracks, or the wires, signals and other property of the Railroad, its tenants or licensees, at or in the vicinity of the Work. The safe operation of railroad train movements takes precedence over any work to be performed by the Contractor. The Contractor is responsible for train delay cost and lost revenue claims due to any delays or interruption of train operations resulting from Contractor's construction or other activities.
- B. Construction activities within 15 feet of the operational tracks will only be allowed if absolutely necessary and the Railroad's Designated Representative grants approval. Construction activities within 15 feet of the operational track(s) preferably allow the tracks to stay operational. In such cases, coordination and approval by the Railroad Track Manager is required with regard to schedule, flagging, and slow orders. See Sections 3.07 and 3.08 for additional information.
- C. Provide track protection for all work equipment (including rubber tired equipment) operating within 25 feet from nearest rail. When not in use, keep Contractor machinery and materials at least 50 feet from the Railroad's nearest track.
- D. Vehicular crossings of railroad track are allowed only at existing crossings, or haul road crossings developed with Railroad approval.
- E. The Contractor is also advised that new railroad facilities within the project may be built by the Railroad. If applicable, these facilities are delineated in the plans. Be aware of the limits of responsibilities and coordinate efforts with the Railroad and TxDOT.
- F. Railroad requirements do not allow work within 50 feet of track centers when a train passes the work site and all personnel must clear the area within 50 feet of the track centerline and secure all equipment. Additional allowances may be pursued as outlined in 3.02 and 3.03.
- G. All permanent clearances shall be verified before project closing.

3.02 RAILROAD OPERATIONS

- A. Trains and/or equipment are expected on any track, at any time, in either direction. Become familiar with the train schedules in this location and structure bid assuming intermittent track windows in this period, as defined in Paragraph B that follows.
- B. All railroad tracks within and adjacent to the contract site are active, and rail traffic over these facilities shall be maintained throughout the Project. Activities may include both through moves and switching moves to local customers. railroad traffic and operations will occur continuously throughout the day and night on these tracks and shall be maintained at all times as defined herein. Coordinate and schedule the work so that construction activities do not interfere with railroad operations.
- C. Coordinate work windows with TxDOT and the Railroad's Designated Representative. Types of work windows include Conditional Work Windows and Absolute Work Windows, as defined below:
 - 1. Conditional Work Window: A Conditional Work Window is a period of time that railroad operations have priority over construction activities. When construction activities may occur on and/or adjacent to the railroad tracks within 25 feet of the nearest track, a railroad flag person will be required. At the direction of the railroad flag person, upon approach of a train, and when trains are present on the tracks, the tracks must be cleared (i.e., no construction equipment, materials or personnel within 25 feet, or as directed by the Railroad Designated Representative, from the tracks). Conditional Work Windows are available for the Project.
 - 2. Absolute Work Window: An Absolute Work Window is a period of time that construction activities are given priority over railroad operations. During this time frame, the designated railroad track(s) will be inactive for train movements and may be fouled by the Contractor. At the end of an Absolute Work Window, the railroad tracks and/or signals must be completely operational for train operations and all Railroad, Public Utilities Commission (PUC) and FRA requirements, codes and regulations for operational tracks must be satisfied. In the situation where the operating tracks and/or signals have been affected, the Railroad will perform inspections of the work prior to placing that track back into service. Railroad flag persons will be required for construction activities requiring an Absolute Work Window. Absolute Work Windows will not generally be granted. Any request will require a detailed explanation for Railroad review.

3.03 RIGHT OF ENTRY, ADVANCE NOTICE AND WORK STOPPAGES

- A. Do not perform any work within Railroad Right of Way without a valid executed Right of Entry Agreement if required on this project.
- B. Give advance notice to the Railroad as required in the "Contractor's Right of Entry Agreement" before commencing work in connection with construction upon or over Railroad Right of Way and observe the Railroad's rules and regulations with respect thereto.
- C. Perform all work upon Railroad Right of Way in a manner to avoid interference with or endanger the operations of the Railroad. Whenever work may affect the operations or safety of trains, submit the work method to the Railroad Designated Representative for approval. Approval does not relieve the Contractor from liability. Do not commence any work which requires flagging service or inspection service until the flagging protection required by the Railroad is available at the job site. See Section 3.15 for railroad flagging requirements.
- D. Make requests in writing for both Absolute and Conditional Work Windows, at least 30 days in advance of any work. Include in the written request:
 - 1. Exactly what the work entails.
 - 2. The days and hours that work will be performed.
 - 3. The exact location of work, and proximity to the tracks.
 - 4. The type of window requested and the amount of time requested.
 - 5. The designated contact person.

Provide a written confirmation notice to the Railroad at least 48 hours before commencing work in connection with approved work windows when work is within 25 feet of nearest rail. Perform all work in accordance with previously approved work plans.
- E. Make provisions to protect operations and property of the Railroad should a condition arising from, or in connection with the work, require immediate and unusual action. If in the judgment of the Railroad Designated Representative such provisions are insufficient, the Railroad Designated Representative may require or provide such provisions as deemed necessary. In any event, such provisions shall be at the Contractor's expense and without cost to the Railroad or TxDOT. The Railroad or TxDOT shall have the right to order the Contractor to temporarily cease operations in the event of an emergency or, if in the opinion of the Railroad Designated Representative, the Contractor's operations could endanger railroad operations. In the event of such an order, immediately notify TxDOT of the order.

3.04 INSURANCE

Do not begin work upon or over Railroad Right of Way until furnishing the Railroad with the insurance policies, binders, certificates and endorsements required by the "Contractor's Right of Entry Agreement", and until the Railroad Designated Representative has advised TxDOT that such insurance is in accordance with the Agreement.

3.05 RAILROAD SAFETY ORIENTATION

- A. Complete the railroad course "Orientation for Contractor's Safety", and maintain current registration prior to working on railroad property. This course is required to be completed annually by Contractor and Subcontractor personnel working on site.

"JPRR, BNSF, KCS/TEXMEX will not accept on-track safety training certificates from other railroads. Refer to Railroad specific contractor right of entry for training information."
- B. Know and follow the "Contractor's Right of Entry Agreement" EXHIBIT D, MINIMUM SAFETY REQUIREMENTS regarding clothing, personal protective equipment, and general safety requirements.

3.06 COOPERATION

The Railroad will cooperate with Contractor so that work may be conducted in an efficient manner, and will cooperate with Contractor in enabling use of Railroad Right of Way in performing the work.

3.07 MINIMUM CONSTRUCTION CLEARANCES FOR FALSEWORK AND OTHER TEMPORARY STRUCTURES

Abide by the following minimum temporary clearances during the course of construction:

- A. 15' - 0" (BNSF) (UPRR) and 14' - 0" (KCS) horizontal from centerline of track
- B. 22' (KCS) and 21' - 6" (UPRR & BNSF) vertically above top of rail.

For construction clearance less than listed above, obtain local Railroad Operating Unit review and approval.

3.08 APPROVAL OF REDUCED CLEARANCES

- A. Maintain minimum track clearances during construction as specified in Section 3.07.
- B. Submit any proposed infringement on the specified minimum clearances to the Railroad Designated Representative through TxDOT at least 30 days in advance of the work. Do not proceed with such infringement without written approval by the Railroad Designated Representative.
- C. Do not commence work involving an approved infringement without receiving written assurance from the Railroad Designated Representative that arrangements have been made for any necessary flagging service.

 Texas Department of Transportation				Rail Division	
RAILROAD REQUIREMENTS FOR NON-BRIDGE CONSTRUCTION PROJECTS					
FILE:	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT	
©TxDOT October 2018	CONT	SECT	JOB	HIGHWAY	
REVISIONS March 2020					
	DIST	COUNTY		SHEET NO.	12

3.09 MAINTENANCE OF RAILROAD FACILITIES

- A. Maintain all ditches and drainage structures free of silt or other obstructions resulting from Contractor's operations. Repair eroded areas and any other damage within Railroad Right of Way and repair any other damage to the property of the Railroad, or its tenants.
- B. Perform all such maintenance and repair of damages due to the Contractor's operations at Contractor's expense.
- C. Submit a proposed method of erosion control for review by the Railroad prior to beginning any grading on the project site. Comply with all applicable local, state and federal regulations when developing and implementing such erosion control.

3.10 SITE INSPECTIONS BY RAILROAD'S DESIGNATED REPRESENTATIVE

- A. In addition to the office reviews of construction submittals, site inspections may be performed by the Railroad Designated Representative at significant points during construction, including the following if applicable:
 - 1. Pre-construction meetings.
 - 2. Pile driving/drilling of caissons or drilled shafts.
 - 3. Reinforcement and concrete placement for railroad bridge substructure and/or superstructure.
 - 4. Erection of precast concrete or steel bridge superstructure.
 - 5. Placement of waterproofing (prior to placing ballast on bridge deck).
 - 6. Completion of the bridge structure.
- B. Site inspection is not limited to the milestone events listed above. Site visits to check progress of the work may be performed at any time throughout the construction as deemed necessary by the Railroad.
- C. Provide a detailed construction schedule, including the proposed temporary horizontal and vertical clearances and construction sequence for all work to TxDOT for submittal to the Railroad Designated Representative for review prior to commencement of work. Include the anticipated dates when the above listed events will occur. Update this schedule for the above listed events as necessary and each month at a minimum to allow the Railroad to schedule site inspections.

3.11 RAILROAD REPRESENTATIVES

Railroad representatives, conductors, flag person or watch person will be provided by the Railroad at expense of TxDOT to protect Railroad facilities, property and movements of its trains or engines. In general, the Railroad will furnish such personnel or other protective services as follows:

- A. When any part of any equipment is standing or being operated within 25 feet, measured horizontally, from nearest rail of any track on which trains may operate, or when any object is off the ground and any dimension thereof could extend inside the 25 foot limit, or when any erection or construction activities are in progress within such limits, regardless of elevation above or below track.
- B. For any excavation below elevation of track subgrade if, in the opinion of the Railroad Designated Representative, track or other railroad facilities may be subject to settlement or movement.
- C. During any clearing, grubbing, excavation or grading in proximity to railroad facilities, which, in the opinion of the Railroad Designated Representative, may endanger railroad facilities or operations.
- D. During any Contractor's operations when, in the opinion of the Railroad Designated Representative, railroad facilities, including, but not limited to, tracks, buildings, signals, wire lines, or pipe lines, may be endangered.
- E. Arrange with the Railroad Designated Representative to provide the adequate number of flag persons to accomplish the work.

3.12 COMMUNICATIONS AND SIGNAL LINES

If required, the Railroad will rearrange its communications and signal lines, its grade crossing warning devices, train signals and tracks, and facilities that are in use and maintained by the Railroad's forces in connection with its operation at expense of TxDOT. This work by the Railroad will be done by its own forces and it is not a part of the Work under this Contract.

3.13 TRAFFIC CONTROL

Coordinate any operations that control traffic across or around railroad facilities with the Railroad Designated Representative.

3.14 CONSTRUCTION EXCAVATIONS AND BORING ACTIVITIES UNDER TRACK

- A. Take special precaution and care in connection with excavating and shoring. Excavations for construction of footings, piers, columns, walls or other facilities that require shoring shall comply with requirements of TxDOT, OSHA, AREMA and Railroad "Guidelines for Temporary Shoring".
- B. The project plans indicate whether there are fiber optic lines or other such telecommunications systems that require consideration. Regardless, contact the necessary call center to determine if such cable systems are present:

UPRR 1-800-336-9193
7:00 AM to 9:00 PM CST Monday-Friday except holidays,
staffed 24 hrs/day for emergencies
48 hrs notice required

BNSF 1-800-533-2891
24 hour number
5 working days notice required

KCS 1-800-344-8377
Texas One Call, a 24 hour number
48 hrs notice required, excluding weekends and holidays

If a telecommunications system is buried anywhere on or near railroad property, coordinate with TxDOT, the Railroad and the Telecommunication Company(ies) to arrange for relocation or protective measures prior to beginning work on or near railroad property. Refer to the project General Notes for additional information.

- C. Projects involving a boring or jack and bore operation under track such as drainage pipes or culverts and utilities require an installation plan reviewed and approved by the Railroad and TxDOT prior to proceeding with such construction. A railroad inspector and contractor assisted monitoring of ground and track movement is required to maintain safe passage of rail traffic. Stop installation and do not allow passage of trains if movements in excess of 1/4 inch vertical or horizontal is detected in the tracks. Immediately repair the damage to the satisfaction of TxDOT and the Railroad before proceeding.

3.15 RAILROAD FLAGGING

Per the Right of Entry Agreement for flagging, notify the Railroad Representative at least 10 working days in advance of Contractor's work and at least 30 working days in advance of any Contractor's work in which any person or equipment will be within 25 feet of nearest rail or as specified in the Contractor Right of Entry (CROE).

3.16 CLEANING OF RIGHT-OF-WAY

When work is complete, remove all tools, implements, and other materials brought into Railroad Right of Way and leave the right of Way in a clean and presentable condition to the satisfaction of TxDOT and the Railroad.

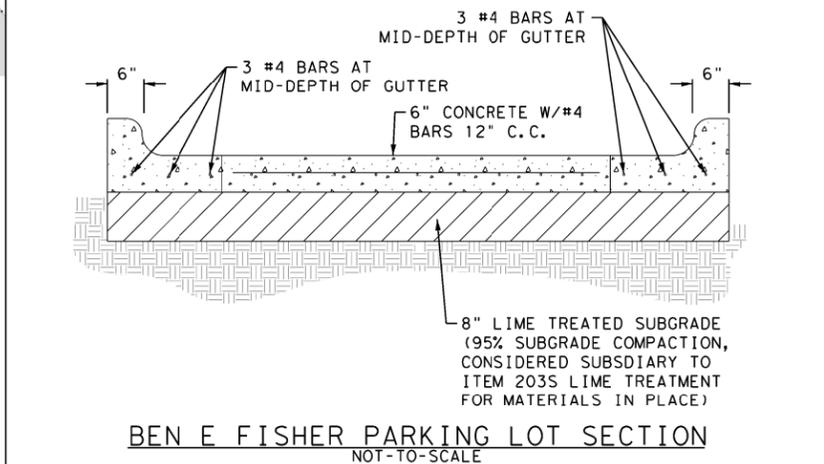
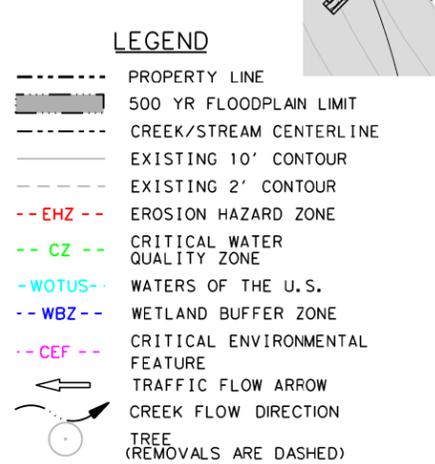
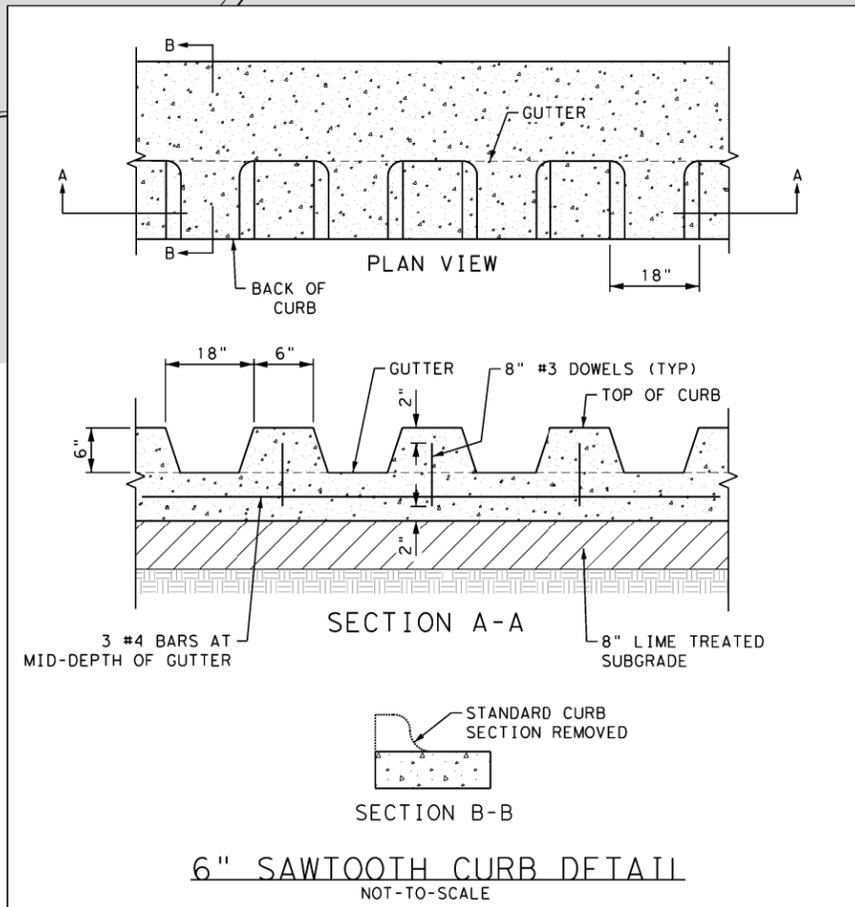
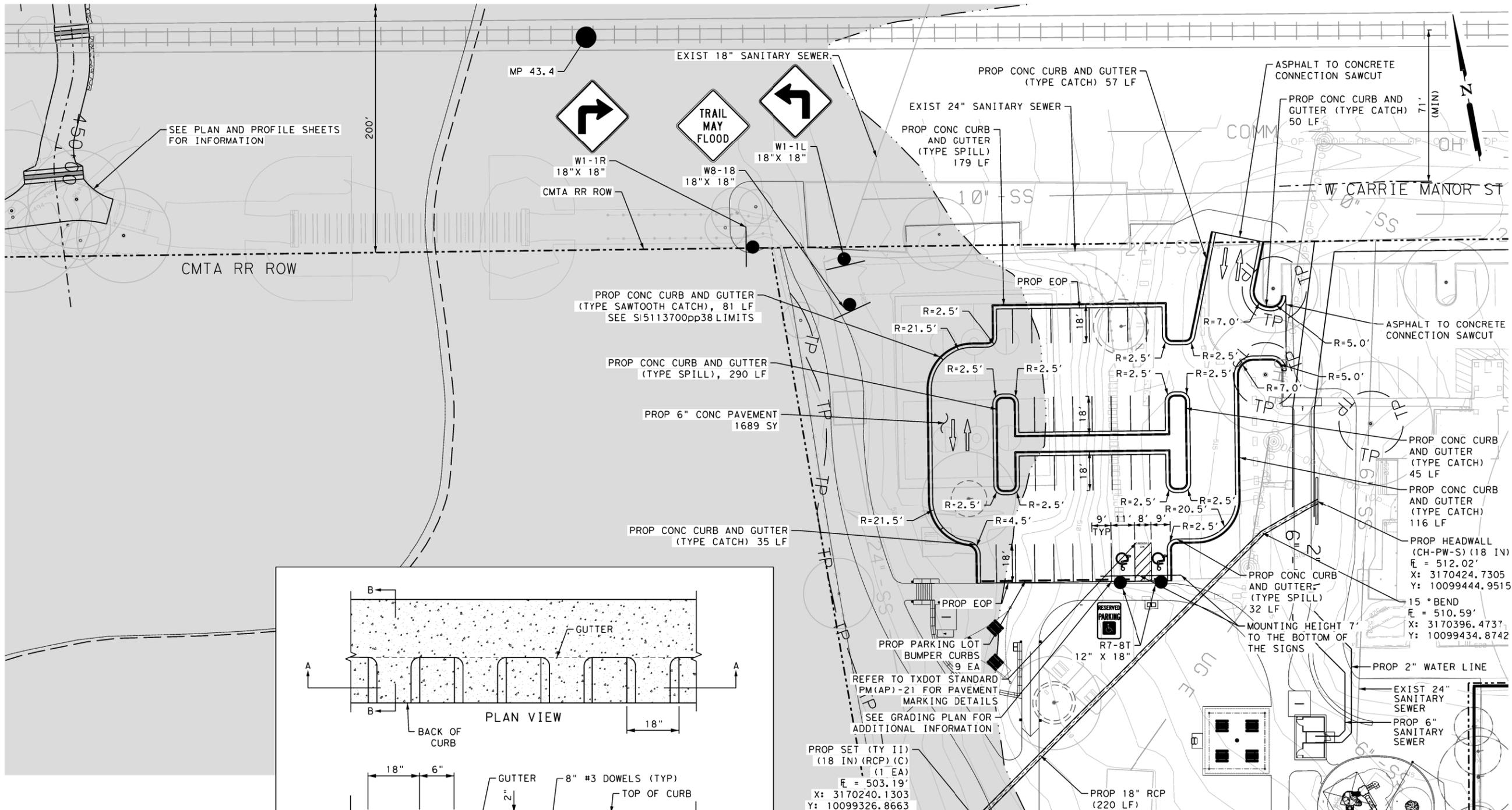


**RAILROAD REQUIREMENTS
FOR NON-BRIDGE
CONSTRUCTION PROJECTS**

FILE:	DN: TxDOT	CK: TxDOT	DW: TxDOT	CK: TxDOT
© TxDOT October 2018	CONT	SECT	JOB	HIGHWAY
REVISIONS				
March 2020	DIST	COUNTY	SHEET NO.	
			13	

Plotted on: 8/15/2024

Design File name: H:\Projects\51137\00\Design\Civil\Exhibit A_Sheets\5113700_BEFischer_Lot_Exhibit A.dgn



NOTES

- REFER TO LANDSCAPE AND HARDSCAPE PLANS FOR ADDITIONAL INFORMATION.
- WATERS OF THE U.S. WERE ONLY MAPPED IN LOCATIONS OF DISTURBANCE.
- PARKING STALLS ARE 9FT IN WIDTH UNLESS SHOWN OTHERWISE IN PLANS.

TRAVIS COUNTY, TEXAS
 TRANSPORTATION AND NATURAL RESOURCES DEPARTMENT
 MAILING ADDRESS: 1100 W. BRIDGES BLVD., SUITE 200 | AUSTIN, TX 78768
 PHONE: (512) 854-9383 | FAX: (512) 854-4626

PRECINCT: 1 / 2

TITLE: GILLELAND CREEK
PARKING LOT DETAIL
 BEN E. FISHER PARK

HEATHER MCNEAL
 114428
 PROFESSIONAL ENGINEER
 CIVIL ENGINEERING

8/15/2024

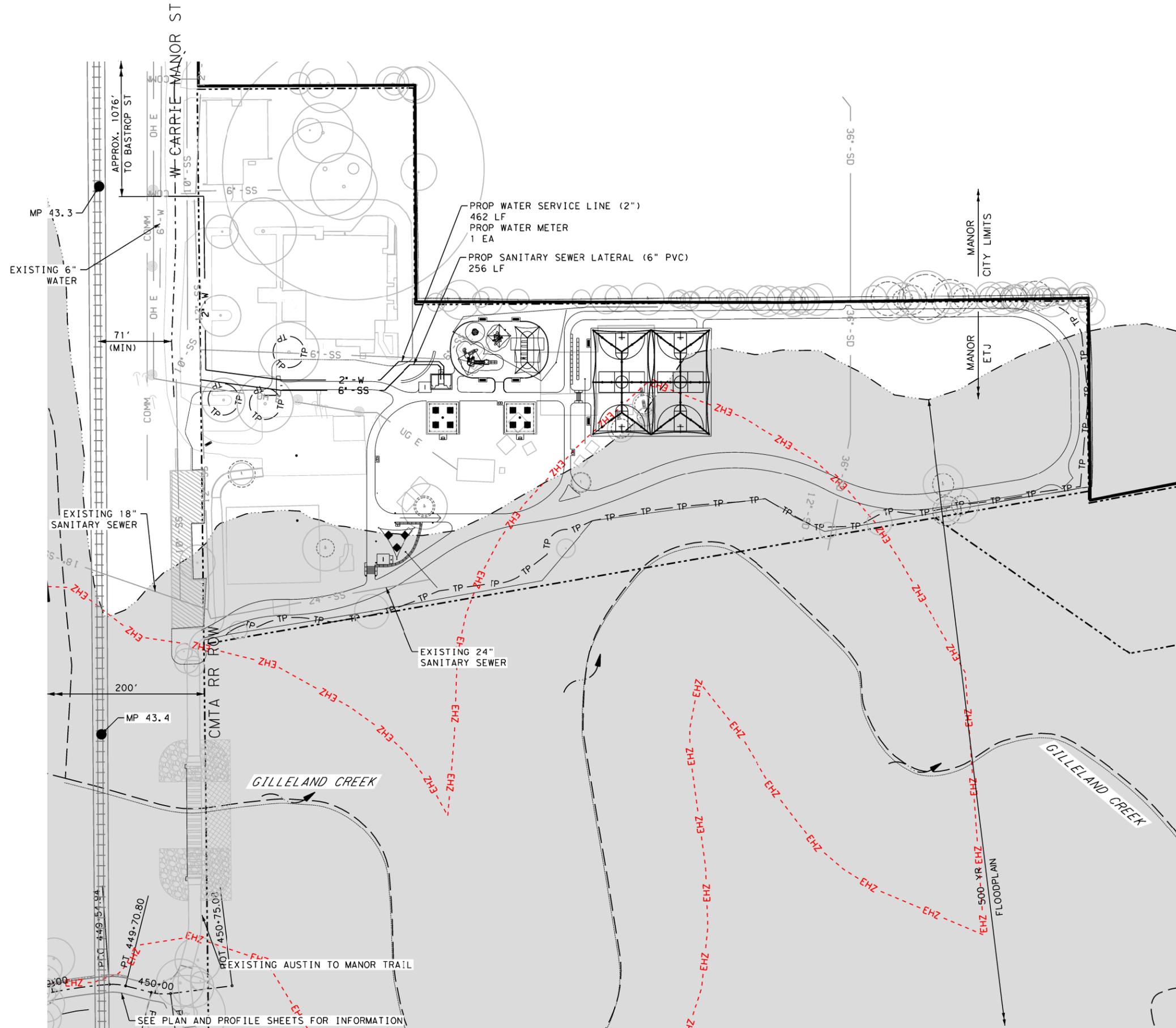
NO.	REVISION	BY	DATE

SHEET NO. 14

PAPE-DAWSON ENGINEERS
 AUSTIN | SAN ANTONIO | HOUSTON | FORT WORTH | DALLAS
 1000 W. BRIDGES BLVD., SUITE 200 | AUSTIN, TX 78768
 PHONE: (512) 854-9383 | FAX: (512) 854-4626

Plotted on: 8/15/2024

Design File name: H:\Projects\511\37\00\Design\Civil\Exhibit A\Sheets\5113700_BE\Fischer_util_Exhibit A.dgn



- LEGEND**
- 6" - SS — PROP 6" SANITARY SEWER
 - 2" - W — PROP 2" SERVICE LINE
 - PROPERTY LINE
 - 500 YR FLOODPLAIN LIMIT
 - CREEK/STREAM CENTERLINE
 - - - EHZ - - - EROSION HAZARD ZONE
 - - - CZ - - - CRITICAL WATER QUALITY ZONE
 - - - WOTUS - - - WATERS OF THE U.S.
 - - - WBZ - - - WETLAND BUFFER ZONE
 - - - CEF - - - CRITICAL ENVIRONMENTAL FEATURE
 - ← TRAFFIC FLOW ARROW
 - CREEK FLOW DIRECTION
 - TREE (REMOVALS ARE DASHED)

NOTE: BID ITEMS 510-BW AND 510-BWW INCLUDE ALL ITEMS AND FEES NECESSARY TO INSTALL SERVICE AND CONNECTION TO SEWER AND WATER MAINS.

TRAVIS COUNTY, TEXAS
 TRANSPORTATION AND NATURAL RESOURCES DEPARTMENT
 MAILING ADDRESS: 200 W. FAYETTE ST., 78701
 PHONE: (512) 854-9383 FAX: 854-4626

PRECINCT: 1 / 2

TITLE: GILLELAND CREEK
PARKING LOT UTILITIES
 BEN E. FISHER PARK

HEATHER MCNEAL
 114428
 LICENSED PROFESSIONAL ENGINEER

8/15/2024

 PAPE-DAWSON ENGINEERS <small>AUSTIN SAN ANTONIO HOUSTON FORT WORTH DALLAS 1800 W. MARSH CANY. BLVD. SUITE 200 FAYETTEVILLE, TEXAS 75244 WWW.PAPE-DAWSON.COM</small>	NO.	REVISION	BY	DATE
	SHEET NO. 15			