

## **Contributing Zone Exception Request Checklist**

**Edwards Aquifer Application Cover Page (TCEQ-20705)**

**Contributing Zone Exception Request Form (TCEQ-10262)**

Attachment A - Road Map

Attachment B - USGS Quadrangle Map

Attachment C - Project Description

Attachment D - Nature of Exception

Attachment E - Equivalent Water Quality Protection

**Storm Water Pollution Prevention Plan (SWPPP), if necessary**

**-OR-**

**Temporary Stormwater Section (TCEQ-0602), if necessary**

**Agent Authorization Form (TCEQ-0599), if application submitted by agent**

**Application Fee Form (TCEQ-0574)**

**Check Payable to the "Texas Commission on Environmental Quality"**

**Core Data Form (TCEQ-10400)**

# Texas Commission on Environmental Quality

## Edwards Aquifer Application Cover Page

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### Our Review of Your Application

**The Edwards Aquifer Program staff conducts an administrative and technical review of all applications. The turnaround time for administrative review can be up to 30 days as outlined in 30 TAC 213.4(e). Generally administrative completeness is determined during the intake meeting or within a few days of receipt. The turnaround time for technical review of an administratively complete Edwards Aquifer application is 90 days as outlined in 30 TAC 213.4(e). Please know that the review and approval time is directly impacted by the quality and completeness of the initial application that is received. In order to conduct a timely review, it is imperative that the information provided in an Edwards Aquifer application include final plans, be accurate, complete, and in compliance with [30 TAC 213](#).**

### Administrative Review

1. [Edwards Aquifer applications](#) must be deemed administratively complete before a technical review can begin. To be considered administratively complete, the application must contain completed forms and attachments, provide the requested information, and meet all the site plan requirements. The submitted application and plan sheets should be final plans. Please submit one full-size set of plan sheets with the original application, and half-size sets with the additional copies.

To ensure that all applicable documents are included in the application, the program has developed tools to guide you and web pages to provide all forms, checklists, and guidance. Please visit the below website for assistance: <http://www.tceq.texas.gov/field/eapp>.

2. This Edwards Aquifer Application Cover Page form (certified by the applicant or agent) must be included in the application and brought to the administrative review meeting.
3. Administrative reviews are scheduled with program staff who will conduct the review. Applicants or their authorized agent should call the appropriate regional office, according to the county in which the project is located, to schedule a review. The average meeting time is one hour.
4. In the meeting, the application is examined for administrative completeness. Deficiencies will be noted by staff and emailed or faxed to the applicant and authorized agent at the end of the meeting, or shortly after. Administrative deficiencies will cause the application to be deemed incomplete and returned.

An appointment should be made to resubmit the application. The application is re-examined to ensure all deficiencies are resolved. The application will only be deemed administratively complete when all administrative deficiencies are addressed.

5. If an application is received by mail, courier service, or otherwise submitted without a review meeting, the administrative review will be conducted within 30 days. The applicant and agent will be contacted with the results of the administrative review. If the application is found to be administratively incomplete, it can be retrieved from the regional office or returned by regular mail. If returned by mail, the regional office may require arrangements for return shipping.
6. If the geologic assessment was completed before October 1, 2004 and the site contains “possibly sensitive” features, the assessment must be updated in accordance with the *Instructions to Geologists* (TCEQ-0585 Instructions).

### Technical Review

1. When an application is deemed administratively complete, the technical review period begins. The regional office will distribute copies of the application to the identified affected city, county, and groundwater conservation district whose jurisdiction includes the subject site. These entities and the public have 30 days to provide comments on the application to the regional office. All comments received are reviewed by TCEQ.
2. A site assessment is usually conducted as part of the technical review, to evaluate the geologic assessment and observe existing site conditions. The site must be accessible to our staff. The site boundaries should be

clearly marked, features identified in the geologic assessment should be flagged, roadways marked and the alignment of the Sewage Collection System and manholes should be staked at the time the application is submitted. If the site is not marked the application may be returned.

3. We evaluate the application for technical completeness and contact the applicant and agent via Notice of Deficiency (NOD) to request additional information and identify technical deficiencies. There are two deficiency response periods available to the applicant. There are 14 days to resolve deficiencies noted in the first NOD. If a second NOD is issued, there is an additional 14 days to resolve deficiencies. If the response to the second notice is not received, is incomplete or inadequate, or provides new information that is incomplete or inadequate, the application must be withdrawn or will be denied. Please note that because the technical review is underway, whether the application is withdrawn or denied **the application fee will be forfeited**.
4. The program has 90 calendar days to complete the technical review of the application. If the application is technically adequate, such that it complies with the Edwards Aquifer rules, and is protective of the Edwards Aquifer during and after construction, an approval letter will be issued. Construction or other regulated activity may not begin until an approval is issued.

**Mid-Review Modifications**

It is important to have final site plans prior to beginning the permitting process with TCEQ to avoid delays.

Occasionally, circumstances arise where you may have significant design and/or site plan changes after your Edwards Aquifer application has been deemed administratively complete by TCEQ. This is considered a “Mid-Review Modification”. Mid-Review Modifications may require redistribution of an application that includes the proposed modifications for public comment.

If you are proposing a Mid-Review Modification, two options are available:

- If the technical review has begun your application can be denied/withdrawn, your fees will be forfeited, and the plan will have to be resubmitted.
- TCEQ can continue the technical review of the application as it was submitted, and a modification application can be submitted at a later time.

If the application is denied/withdrawn, the resubmitted application will be subject to the administrative and technical review processes and will be treated as a new application. The application will be redistributed to the affected jurisdictions.

Please contact the regional office if you have questions. If your project is located in Williamson, Travis, or Hays County, contact TCEQ’s Austin Regional Office at 512-339-2929. If your project is in Comal, Bexar, Medina, Uvalde, or Kinney County, contact TCEQ’s San Antonio Regional Office at 210-490-3096

Please fill out all required fields below and submit with your application.

<b>1. Regulated Entity Name:</b> US 183A				<b>2. Regulated Entity No.:</b> RN104348743					
<b>3. Customer Name:</b> Central Texas Regional Mobility Authority				<b>4. Customer No.:</b> CN602672263					
<b>5. Project Type:</b> (Please circle/check one)	New	Modification	Extension	Exception					
<b>6. Plan Type:</b> (Please circle/check one)	WPAP	CZP	SCS	UST	AST	EXP	EXT	Technical Clarification	Optional Enhanced Measures
<b>7. Land Use:</b> (Please circle/check one)	Residential	Non-residential			<b>8. Site (acres):</b>		0.11		
<b>9. Application Fee:</b>	\$500.00		<b>10. Permanent BMP(s):</b>			Eagle Pond (11-04071601D)			
<b>11. SCS (Linear Ft.):</b>	N/A		<b>12. AST/UST (No. Tanks):</b>			N/A			
<b>13. County:</b>	Williamson		<b>14. Watershed:</b>			Cottonwood Creek			

# Application Distribution

Instructions: Use the table below to determine the number of applications required. One original and one copy of the application, plus additional copies (as needed) for each affected incorporated city, county, and groundwater conservation district are required. Linear projects or large projects, which cross into multiple jurisdictions, can require additional copies. Refer to the “Texas Groundwater Conservation Districts within the EAPP Boundaries” map found at:

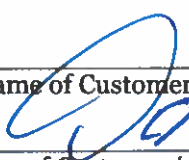
[http://www.tceq.texas.gov/assets/public/compliance/field\\_ops/eapp/EAPP%20GWCD%20map.pdf](http://www.tceq.texas.gov/assets/public/compliance/field_ops/eapp/EAPP%20GWCD%20map.pdf)

For more detailed boundaries, please contact the conservation district directly.

<b>Austin Region</b>			
<b>County:</b>	<b>Hays</b>	<b>Travis</b>	<b>Williamson</b>
Original (1 req.)	—	—	—
Region (1 req.)	—	—	—
County(ies)	—	—	—
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Barton Springs/ Edwards Aquifer <input type="checkbox"/> Hays Trinity <input type="checkbox"/> Plum Creek	<input type="checkbox"/> Barton Springs/ Edwards Aquifer	NA
City(ies) Jurisdiction	<input type="checkbox"/> Austin <input type="checkbox"/> Buda <input type="checkbox"/> Dripping Springs <input type="checkbox"/> Kyle <input type="checkbox"/> Mountain City <input type="checkbox"/> San Marcos <input type="checkbox"/> Wimberley <input type="checkbox"/> Woodcreek	<input type="checkbox"/> Austin <input type="checkbox"/> Bee Cave <input type="checkbox"/> Pflugerville <input type="checkbox"/> Rollingwood <input type="checkbox"/> Round Rock <input type="checkbox"/> Sunset Valley <input type="checkbox"/> West Lake Hills	<input type="checkbox"/> Austin <input checked="" type="checkbox"/> Cedar Park <input type="checkbox"/> Florence <input type="checkbox"/> Georgetown <input type="checkbox"/> Jerrell <input type="checkbox"/> Leander <input type="checkbox"/> Liberty Hill <input type="checkbox"/> Pflugerville <input type="checkbox"/> Round Rock

<b>San Antonio Region</b>					
<b>County:</b>	<b>Bexar</b>	<b>Comal</b>	<b>Kinney</b>	<b>Medina</b>	<b>Uvalde</b>
Original (1 req.)	—	—	—	—	—
Region (1 req.)	—	—	—	—	—
County(ies)	—	—	—	—	—
Groundwater Conservation District(s)	<input type="checkbox"/> Edwards Aquifer Authority <input type="checkbox"/> Trinity-Glen Rose	<input type="checkbox"/> Edwards Aquifer Authority	<input type="checkbox"/> Kinney	<input type="checkbox"/> EAA <input type="checkbox"/> Medina	<input type="checkbox"/> EAA <input type="checkbox"/> Uvalde
City(ies) Jurisdiction	<input type="checkbox"/> Castle Hills <input type="checkbox"/> Fair Oaks Ranch <input type="checkbox"/> Helotes <input type="checkbox"/> Hill Country Village <input type="checkbox"/> Hollywood Park <input type="checkbox"/> San Antonio (SAWS) <input type="checkbox"/> Shavano Park	<input type="checkbox"/> Bulverde <input type="checkbox"/> Fair Oaks Ranch <input type="checkbox"/> Garden Ridge <input type="checkbox"/> New Braunfels <input type="checkbox"/> Schertz	NA	<input type="checkbox"/> San Antonio ETJ (SAWS)	NA

I certify that to the best of my knowledge, that the application is complete and accurate. This application is hereby submitted to TCEQ for administrative review and technical review.

 Dan Brown, Malone Wheeler, Inc	
Print Name of Customer/Authorized Agent	
Signature of Customer/Authorized Agent	3-12-24
	Date

**FOR TCEQ INTERNAL USE ONLY**			
Date(s) Reviewed:		Date Administratively Complete:	
Received From:		Correct Number of Copies:	
Received By:		Distribution Date:	
EAPP File Number:		Complex:	
Admin. Review(s) (No.):		No. AR Rounds:	
Delinquent Fees (Y/N):		Review Time Spent:	
Lat./Long. Verified:		SOS Customer Verification:	
Agent Authorization Complete/Notarized (Y/N):		Fee Check:	Payable to TCEQ (Y/N):
Core Data Form Complete (Y/N):			Signed (Y/N):
Core Data Form Incomplete Nos.:			Less than 90 days old (Y/N):

# Contributing Zone Exception Request Form

## Texas Commission on Environmental Quality

for Regulated Activities on the Contributing Zone to the Edwards Aquifer and Relating to 30 TAC §213.24(1), Effective June 1, 1999

*To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.*

*Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.*

## Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Contributing Zone Exception Request Form** is hereby submitted for TCEQ review and executive director approval. The request was prepared by:

Print Name of ~~Customer~~/Agent: Malone/Wheeler, Inc.

Date: 03/12/2024

Signature of Customer/Agent:



Regulated Entity Name: Central Texas Regional US 183A

## Project Information

1. County: Williamson
2. Stream Basin: South Brushy Creek
3. Groundwater Conservation District (if applicable): N/A
4. Customer (Applicant):

Contact Person: Mike A. Sexton, P.E.

Entity: Central Texas Regional Mobility Authority (CTRMA)

Mailing Address: 3300 N IH-35, Suite 300

City, State: Austin, Texas

Zip: 78705

Telephone: 512-996-9778

Fax: \_\_\_\_\_

Email Address: \_\_\_\_\_

5. Agent/Representative (If any):

Contact Person: Dan Brown, P.E.

Entity: Malone/Wheeler, Inc.

Mailing Address: 5113 Southwest Parkway, Suite 260

City, State: Austin, Texas

Zip: 78735

Telephone: 512-899-0601

Fax: \_\_\_\_\_

Email Address: eduardoa@malonewheeler.com

6. Project Location

This project is inside the city limits of Cedar Park.

This project is outside the city limits but inside the ETJ (extra-territorial jurisdiction) of \_\_\_\_\_.

This project is not located within any city limits or ETJ.

7.  The location of the project site is described below. Sufficient detail and clarity has been provided so that the TCEQ's Regional staff can easily locate the project and site boundaries for a field investigation.

Northbound access road of 183A, approximately 1000 feet north of the intersection between New Hope Drive and Hwy 183A, in Cedar Park, Texas.

8.  **Attachment A - Road Map.** A road map showing directions to and location of the project site is attached. The map clearly shows the boundary of the project site.

9.  **Attachment B - USGS Quadrangle Map.** A copy of the USGS Quadrangle Map (Scale: 1" = 2000') is attached. The map(s) should clearly show:

Project site boundaries.

USGS Quadrangle Name(s).

10.  **Attachment C - Project Narrative.** A detailed narrative description of the proposed project is provided at the end of this form. The project description is consistent throughout the application and contains, at a minimum, the following details:

Area of the site

Offsite areas

Impervious cover

Permanent BMP(s)

Proposed site use

Site history

N/A  Previous development

N/A  Area(s) to be demolished

11. Existing project site conditions are noted below:

Existing commercial site

Existing industrial site

Existing residential site

Existing paved and/or unpaved roads

- Undeveloped (Cleared)
- Undeveloped (Undisturbed/Not cleared)
- Other: \_\_\_\_\_

- 12.  **Attachment D - Nature Of Exception.** A narrative description of the nature of each exception requested is attached. All provisions of 30 TAC §213 Subchapter B for which an exception is being requested have been identified in the description.
- 13.  **Attachment E - Equivalent Water Quality Protection.** Documentation demonstrating equivalent water quality protection for surface streams which enter the Edwards Aquifer is attached.

***Administrative Information***

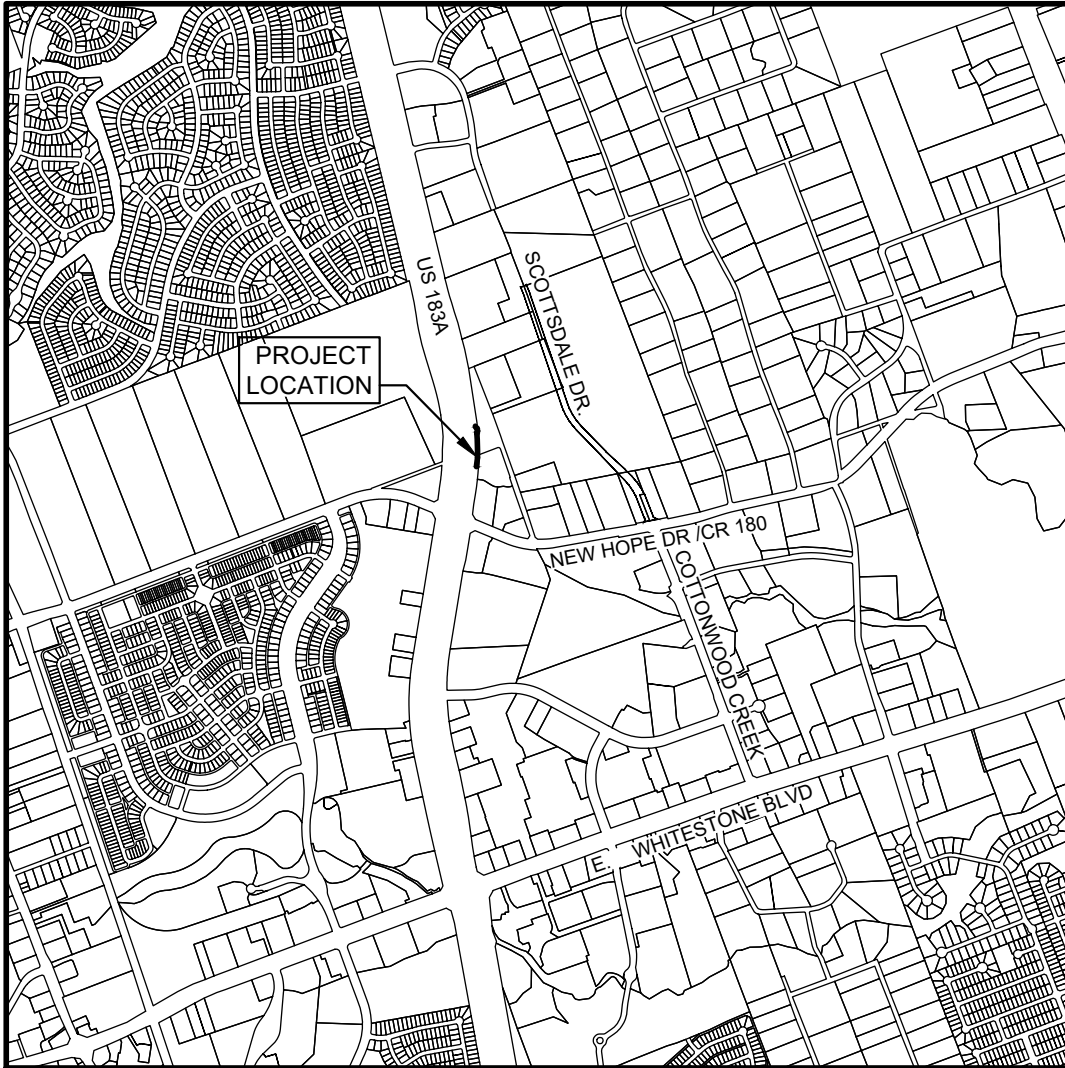
- 14.  Submit one (1) original and one (1) copy of the application, plus additional copies as needed for each affected incorporated city, groundwater conservation district, and county in which the project will be located. The TCEQ will distribute the additional copies to these jurisdictions.
- 15.  The applicant understands that prior approval under this section must be obtained from the executive director for the exception to be authorized.



**CONTRIBUTING ZONE EXCEPTION REQUEST**

**ATTACHMENT "A"  
ROAD MAP**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**



N.T.S.

NEW HOPE CORPORATE PARK WEST  
PHASE CTRMA HWY 183A TURN LANE  
LOCATION MAP  
CEDAR PARK, TEXAS

NOT - TO - SCALE



CIVIL ENGINEERING ★ DEVELOPMENT CONSULTING ★ PROJECT MANAGEMENT

5113 Southwest Pkwy, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786

**CONTRIBUTING ZONE EXCEPTION REQUEST**

**ATTACHMENT "B"  
USGS QUADRANGLE MAP**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**



U.S. DEPARTMENT OF THE INTERIOR  
U.S. GEOLOGICAL SURVEY

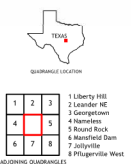
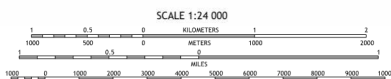
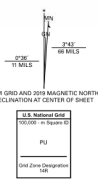


LEANDER QUADRANGLE  
TEXAS  
7.5-MINUTE SERIES



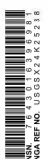
Produced by the United States Geological Survey  
North American Datum of 1983 (NAD83)  
World Geodetic System of 1984 (WGS84). Projection and  
1 000-meter grid to Universal Transverse Mercator, Zone 14B  
This map is not a legal document. Boundaries may be  
generalized for this map scale. Private lands within government  
reservations may not be shown. Obtain permission before  
entering private lands.

Imagery:.....NIP, September 2016, November 2016  
Roads:.....U.S. Census Bureau, 2015  
Names:.....CORS, 1979, 2018  
Hydrography:.....National Hydrography Dataset, 2002, 2018  
Contours:.....National Elevation Dataset, 2002  
Boundaries:.....Multiple sources; see metadata file 2016, 2017  
Wetlands:.....FWS National Wetlands Inventory 1982



CONTOUR INTERVAL 10 FEET  
NORTH AMERICAN DATUM OF 1983  
This map was produced to conform with the  
National Geospatial Program US Topo Product Standard, 2011.  
A metadata file associated with this product is draft version 0.8.18

LEANDER, TX  
2019



# **CONTRIBUTING ZONE EXCEPTION REQUEST**

## **ATTACHMENT “C” PROJECT DESCRIPTION**

### **NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

This Contributing Zone Exception Request is for a 0.11-acre proposed CTRMA HWY 183A turn lane located north of the intersection of New Hope Drive and Hwy 183A, on the north bound access road of 183A in Cedar Park, Texas. The construction plans included in this submittal include a 4,700 square foot turn lane that will be used to serve future commercial development.

The existing permanent BMP is an extended detention pond known as Eagle Pond and is permitted in CZP permit 11-04071601D. This extended detention pond is sized to remove the required TSS for the contributing drainage area with an assumed impervious coverage of 75% across the entire site.

Temporary BMPs including silt fence and a rock berm are included in this plan for the improvements shown in the attached construction plans. No future modifications to the CZP are proposed currently.

The area is currently unpaved and within existing CTRMA right-of-way.

## **CONTRIBUTING ZONE EXCEPTION REQUEST**

### **ATTACHMENT “D” NATURE OF EXCEPTION**

#### **NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

The nature of exception is based on the runoff from the proposed turn lane (4,700 square feet of impervious cover) being conveyed to drain to the existing CTRMA water quality basin, Eagle Pond, for treatment. This existing basin is permitted in TCEQ CZP permit 11-04071601D. Eagle Pond has demonstrated to have the capacity to receive and treat the water from the proposed turn lane, thus no pond or water quality modifications are proposed. Therefore, no modification to the approved CZP permit is proposed or required.

**CONTRIBUTING ZONE EXCEPTION REQUEST**

**ATTACHMENT "E"  
EQUIVALENT WATER QUALITY PROTECTION**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

Please reference the NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE plans that demonstrate equivalent water quality protection for the surface streams by using the existing permitted Eagle Pond to treat the runoff produced by the proposed turn lane.





CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY:

GENERAL PLAN REQUIREMENTS

- 1. CONSTRUCTION WORK IN THE CTRMA ROW MUST BE SCHEDULED BETWEEN 9 AM AND 4 PM MONDAY THROUGH FRIDAY. IF PEAK HOURS ARE REQUIRED OWNER WILL REQUEST IN WRITING AN EXCEPTION DETAILING THE VARIANCE AND MUST RECEIVE AN ACCEPTABLE RESPONSE IN WRITING FROM THE CTRMA BEFORE CONSTRUCTION BEGINS.
2. LANE/SHOULDER CLOSURES (IF REQUIRED) WILL ONLY BE ALLOWED DURING DAY LIGHT HOURS BETWEEN 9 AM AND 3 PM MONDAY THROUGH FRIDAY, AND DURING DAYLIGHT HOURS ON SATURDAY, UPON PRIOR APPROVAL IN WRITING FROM THE CTRMA.
3. LANE CLOSURES ARE NOT ALLOWED IN INCLEMENT WEATHER OR IF THE PAVEMENT IS WET OR ICY.
4. LANE AND SHOULDER CLOSURE REQUESTS MUST BE SUBMITTED TO THE CTRMA A MINIMUM OF SEVEN DAY IN ADVANCE OF PROPOSED CLOSURE.
5. THE CONTRACTOR MUST CONTACT THE CTRMA 48 HOUR PRIOR TO WORKING IN THE ROW. THE CONTACT PERSON'S NAME AND PHONE NUMBER WILL BE SHOWN ON THE APPROVED PERMIT REQUEST FORM.
6. PRIOR TO BEGINNING CONSTRUCTION, THE OWNER OR HIS AUTHORIZED REPRESENTATIVE SHALL CONVENE A PRE-CONSTRUCTION MEETING WITH THE OWNER, CONSULTING ENGINEER, CONTRACTOR, CTRMA AND ANY OTHER AFFECTED PARTIES.
7. THE DEVELOPER OR ITS CONTRACTOR WILL BE HELD RESPONSIBLE FOR KEEPING THE CTRMA ROADWAY FREE OF MUD, ROCKS, AND GENERAL DEBRIS.
8. CONSTRUCTION EQUIPMENT LEFT OVERNIGHT IN THE RIGHT OF WAY MUST BE SECTIONED OFF WITH ORANGE PLASTIC MESH FENCING, AND BE PLACED AT LEAST 30' OFF THE EDGE OF PAVEMENT. EQUIPMENT LOCATED CLOSER THAN 30' MUST BE PROTECTED BY TxDOT APPROVED CONCRETE TRAFFIC BARRIERS (CTB).
9. FIELD CREWS WILL NOT BE ALLOWED EXTENDED PARKING OF EQUIPMENT AND VEHICLES WITHIN THE CTRMA ROW.
10. BORE PITS LOCATED CLOSER THAN 30' FROM THE EDGE OF PAVEMENT MUST BE PROTECTED BY CONCRETE TRAFFIC BARRIERS (CTB) OR WATER FILLED BARRIERS (RATED FOR THE CORRESPONDING SPEED OF THE FACILITY) WITH CTRMA APPROVAL. OPEN PITS MUST BE SEALED OFF BY ORANGE PLASTIC MESH FENCING, CONES AND DRUMS. BORE PITS IN THE VICINITY OF RETAINING WALLS SHALL BE EVALUATED FOR POTENTIAL IMPACTS TO WALL STABILITY.
11. ALL EXISTING PAVED SIDE ROADS AND DRIVEWAYS LOCATED WITHIN THE CTRMA ROW MUST BE BORED AT A MINIMUM DEPTH OF 24".
12. ALL CONSTRUCTION ITEMS MUST BE DESIGNED AND CONSTRUCTED TO THE LATEST AVAILABLE VERSION OF THE TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES.
13. TRAFFIC CONTROL MUST CONFORM TO THE CTRMA AND TxDOT REQUIREMENTS AND RECOMMENDATIONS, AND SHOULD MEET OR EXCEED THE TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (TMUTCD).
14. THE DEVELOPER AND/OR ITS CONTRACTOR MUST LOCATE ALL EXISTING UTILITY LINES PRIOR TO DOING ANY GROUND WORK LIKE BORING, DIGGING, TRENCHING, OR DRILLING WITHIN THE ROW. FOR CTRMA-OWNED UTILITIES, DEVELOPER/CONTRACTOR SHALL ALLOW FOR TWO WEEKS FOR THE CTRMA TO LOCATE, UPON REQUEST.
15. THE DEVELOPER AND/OR ITS CONTRACTOR MUST RESTORE ANY AND ALL DAMAGED INFRASTRUCTURE WITHIN THE CTRMA ROW TO ITS ORIGINAL CONDITION.
16. THE PERMIT HOLDER WILL BE REQUIRED TO RESTORE THE GROUND TO ITS PRIOR STATE, AND REVEGETATE ALL DISTURBED AREAS WITH LIKE VEGETATION.
17. ALL TREES MUST BE BORED AT A MINIMUM DEPTH OF 24 INCHES FROM DRIPLINE TO DRIPLINE. THE CONTRACTOR CANNOT REMOVE ANY EXISTING TREE WITHOUT CTRMA APPROVAL.
18. FOR THE UTILITY CROSSING THE ROW THE MARKING SHALL BE PLACED AT THE EACH OF THE BORING AND THE UTILITIES PARALLEL TO THE ROW SHALL HAVE OBJECT MARKING EVERY 100 FT WITHIN THE ROW.
19. UTILITY OWNER, DEVELOPER, OR ITS CONTRACTOR SHALL PROVIDE THE CTRMA A COMPLETE SET OF AS-BUILT DRAWINGS IN A CONDITION SATISFACTORY TO THE CTRMA.
20. KEEP THE SHARED USE PATH OPEN AT ALL TIMES, HOWEVER IF CLOSURE IS REQUIRED, PROVIDE AN ESCORT AVAILABLE TO CYCLISTS AND PEDESTRIANS TO ENSURE SAFE PASSAGE.
21. THE CTRMA RESERVES THE RIGHT TO REQUIRE MODIFICATIONS TO THE SUBMITTED PLANS TO MITIGATE OPERATIONAL CONCERNS.

SPECIAL PROVISIONS FOR RE-VEGETATION AND LANDSCAPING REQUIREMENTS

- 1. THE PERMIT HOLDER IS SOLELY RESPONSIBLE FOR RE-VEGETATION AND REPLANTING OF ALL AREAS DAMAGED BY CONSTRUCTION.
2. RE-VEGETATION PRACTICES SHALL BE DONE IN ACCORDANCE WITH THE "2014 TxDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION AND MAINTENANCE OF HIGHWAYS, STREETS, AND BRIDGES". WORK SHALL BE DONE IN ACCORDANCE WITH ITEM 160, TOPSOIL; ITEM 161, COMPOST; ITEM 162, SODDING FOR EROSION CONTROL, AND ITEM 166, FERTILIZER.
3. DAMAGED AREAS ON WHICH CONSTRUCTION HAS CEASED TEMPORARILY OR PERMANENTLY SHALL BE REVEGETATED WITHIN 14 DAYS UNLESS CONSTRUCTION IS SCHEDULED TO RESUME WITHIN 21 DAYS.
4. THE PERMIT HOLDER WILL BE HELD LIABLE AND RESPONSIBLE FOR SUCH AREAS UNTIL GROWTH IS REESTABLISHED TO THE SATISFACTION OF AN AUTHORIZED REPRESENTATIVE OF CTRMA.
5. THE CTRMA RESERVES THE RIGHT TO REQUIRE ADDITIONAL REVEGETATION MEASURES DEEMED NECESSARY AT ANY TIME AFTER CONSTRUCTION HAS BEGUN UNTIL THE CTRMA HAS ACCEPTED THE EROSION CONTROL MEASURES AND REVEGETATION MEASURES OF THE PERMIT HOLDER.
6. PRIOR TO RE-VEGETATION, THE DAMAGED AREA SHALL BE RESTORED TO ITS ORIGINAL LINES, GRADES AND CONTOURS. DITCHES SHALL BE RESTORED TO THEIR ORIGINAL CONTOURS AND WATER CARRYING CAPACITY. THE AREA SHALL BE SMOOTH AND FREE OF RUTS AND OTHER DEPRESSIONS. IF WEATHER CONDITIONS LIKE WIND AND RAIN CAUSE THE RE-VEGETATED AREA TO BE DAMAGED OR UNDERMINED THE AREA SHALL BE REWORKED AND RE-VEGETATED TO CTRMA SATISFACTIONS. THE WORK SHALL BE PERFORMED AS FOLLOWS:
a. ALL DISTURBED AREAS SHALL RECEIVE SIX INCHES OF TOP SOIL PRIOR TO REVEGETATION.
b. ALL DAMAGED AREAS SHALL BE SODDED IN ACCORDANCE WITH ITEM 166 WITH DROUGHT TOLERANT BERMUDA OR BUFFALO GRASS. CONTACT CTRMA FOR TYPE.
c. WHEN NECESSARY, WATER SHALL BE PROVIDED TO PROMOTE GROWTH OF VEGETATION. ONLY WATER THAT IS CLEAN AND FREE OF SUBSTANCES HARMFUL TO THE GROWTH OF VEGETATION SHALL BE USED. USE WATERING EQUIPMENT, WHICH WILL ENSURE THE UNIFORM DISTRIBUTION AND CONTROLLED APPLICATION OF WATER RATES. APPLY 1/2 INCH OF WATER PER ACRE EVERY TWO WEEKS FOR A THREE-MONTH PERIOD OR LONGER IF NECESSARY FOR VEGETATION ESTABLISHMENT.
7. ALL LANDSCAPE BEDS, PLANTS, SHRUBS AND TREES DAMAGED DURING CONSTRUCTION MUST BE REPLACED WITH THE SAME TYPE AND SIZE AND WATERED FOR AN APPROPRIATE AMOUNT OF TIME FOR ESTABLISHMENT. COORDINATE WITH THE CTRMA PRIOR TO DAMAGING AND LANDSCAPE BEDS, PLANTS, SHRUBS AND TREES.
8. PROPOSED LANDSCAPING OR PERMANENT IRRIGATION IS NOT ALLOWED WITHIN THE CTRMA ROW.

TEXAS COMMISSION ON ENVIRONMENTAL QUALITY CONTRIBUTING ZONE PLAN
GENERAL CONSTRUCTION NOTES
REV. JULY 15, 2015

EDWARDS AQUIFER PROTECTION PROGRAM CONSTRUCTION NOTES - LEGAL DISCLAIMER

THE FOLLOWING/LISTED "CONSTRUCTION NOTES" ARE INTENDED TO BE ADVISORY IN NATURE ONLY AND DO NOT CONSTITUTE AN APPROVAL OR CONDITIONAL APPROVAL BY THE EXECUTIVE DIRECTOR (ED), NOR DO THEY CONSTITUTE A COMPREHENSIVE LISTING OF RULES OR CONDITIONS TO BE FOLLOWED DURING CONSTRUCTION. FURTHER ACTIONS MAY BE REQUIRED TO ACHIEVE COMPLIANCE WITH TCEQ REGULATIONS FOUND IN TITLE 30, TEXAS ADMINISTRATIVE CODE (TAC), CHAPTERS 213 AND 217, AS WELL AS LOCAL ORDINANCES AND REGULATIONS PROVIDING FOR THE PROTECTION OF WATER QUALITY. ADDITIONALLY, NOTHING CONTAINED IN THE FOLLOWING/LISTED "CONSTRUCTION NOTES" RESTRICTS THE POWERS OF THE ED, THE COMMISSION OR ANY OTHER GOVERNMENTAL ENTITY TO PREVENT, CORRECT, OR CURTAIL ACTIVITIES THAT RESULT OR MAY RESULT IN POLLUTION OF THE EDWARDS AQUIFER OR HYDROLOGICALLY CONNECTED SURFACE WATERS. THE HOLDER OF ANY EDWARDS AQUIFER PROTECTION PLAN CONTAINING "CONSTRUCTION NOTES" IS STILL RESPONSIBLE FOR COMPLIANCE WITH TITLE 30, TAC, CHAPTERS 213 OR ANY OTHER APPLICABLE TCEQ REGULATION, AS WELL AS ALL CONDITIONS OF AN EDWARDS AQUIFER PROTECTION PLAN THROUGH ALL PHASES OF PLAN IMPLEMENTATION. FAILURE TO COMPLY WITH ANY CONDITION OF THE ED'S APPROVAL, WHETHER OR NOT IN CONTRADICTION OF ANY "CONSTRUCTION NOTES," IS A VIOLATION OF TCEQ REGULATIONS AND ANY VIOLATION IS SUBJECT TO ADMINISTRATIVE RULES, ORDERS, AND PENALTIES AS PROVIDED UNDER TITLE 30, TAC § 213.10 (RELATING TO ENFORCEMENT). SUCH VIOLATIONS MAY ALSO BE SUBJECT TO CIVIL PENALTIES AND INJUNCTION. THE FOLLOWING/LISTED "CONSTRUCTION NOTES" IN NO WAY REPRESENT AN APPROVED EXCEPTION BY THE ED TO ANY PART OF TITLE 30 TAC, CHAPTERS 213 AND 217, OR ANY OTHER TCEQ APPLICABLE REGULATION

- 1. A WRITTEN NOTICE OF CONSTRUCTION MUST BE SUBMITTED TO THE TCEQ REGIONAL OFFICE AT LEAST 48 HOURS PRIOR TO THE START OF ANY GROUND DISTURBANCE OR CONSTRUCTION ACTIVITIES. THIS NOTICE MUST INCLUDE:
-THE NAME OF THE APPROVED PROJECT;
-THE ACTIVITY START DATE; AND
-THE CONTACT INFORMATION OF THE PRIME CONTRACTOR.
2. ALL CONTRACTORS CONDUCTING REGULATED ACTIVITIES ASSOCIATED WITH THIS PROJECT SHOULD BE PROVIDED WITH COMPLETE COPIES OF THE APPROVED CONTRIBUTING ZONE PLAN (CZP) AND THE TCEQ LETTER INDICATING THE SPECIFIC CONDITIONS OF ITS APPROVAL. DURING THE COURSE OF THESE REGULATED ACTIVITIES, THE CONTRACTOR(S) SHOULD KEEP COPIES OF THE APPROVED PLAN AND APPROVAL LETTER ON- SITE.
3. NO HAZARDOUS SUBSTANCE STORAGE TANK SHALL BE INSTALLED WITHIN 150 FEET OF A WATER SUPPLY SOURCE, DISTRIBUTION SYSTEM, WELL, OR SENSITIVE FEATURE.
4. PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITY, ALL TEMPORARY EROSION AND SEDIMENTATION (E&S) CONTROL MEASURES MUST BE PROPERLY INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS. IF INSPECTIONS INDICATE A CONTROL HAS BEEN USED INAPPROPRIATELY, OR INCORRECTLY, THE APPLICANT MUST REPLACE OR MODIFY THE CONTROL FOR SITE SITUATIONS. THESE CONTROLS MUST REMAIN IN PLACE UNTIL THE DISTURBED AREAS HAVE BEEN PERMANENTLY STABILIZED.
5. ANY SEDIMENT THAT ESCAPES THE CONSTRUCTION SITE MUST BE COLLECTED AND PROPERLY DISPOSED OF BEFORE THE NEXT RAIN EVENT TO ENSURE IT IS NOT WASHED INTO SURFACE STREAMS, SENSITIVE FEATURES, ETC.
6. SEDIMENT MUST BE REMOVED FROM THE SEDIMENT TRAPS OR SEDIMENTATION BASINS WHEN IT OCCUPIES 50% OF THE BASIN'S DESIGN CAPACITY.
7. LITTER, CONSTRUCTION DEBRIS, AND CONSTRUCTION CHEMICALS EXPOSED TO STORM WATER SHALL BE PREVENTED FROM BEING DISCHARGED OFFSITE.
8. ALL EXCAVATED MATERIAL THAT WILL BE STORED ON-SITE MUST HAVE PROPER E&S CONTROLS.
9. IF PORTIONS OF THE SITE WILL HAVE A CEASE IN CONSTRUCTION ACTIVITY LASTING LONGER THAN 14 DAYS, SOIL STABILIZATION IN THOSE AREAS SHALL BE INITIATED AS SOON AS POSSIBLE PRIOR TO THE 14TH DAY OF INACTIVITY. IF ACTIVITY WILL RESUME PRIOR TO THE 21ST DAY, STABILIZATION MEASURES ARE NOT REQUIRED. IF DROUGHT CONDITIONS OR INCLEMENT WEATHER PREVENT ACTION BY THE 14TH DAY, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS POSSIBLE.
10. THE FOLLOWING RECORDS SHOULD BE MAINTAINED AND MADE AVAILABLE TO THE TCEQ UPON REQUEST:
-THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR;
-THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE; AND
-THE DATES WHEN STABILIZATION MEASURES ARE INITIATED.
11. THE HOLDER OF ANY APPROVED CZP MUST NOTIFY THE APPROPRIATE REGIONAL OFFICE IN WRITING AND OBTAIN APPROVAL FROM THE EXECUTIVE DIRECTOR PRIOR TO INITIATING ANY OF THE FOLLOWING:
A. ANY PHYSICAL OR OPERATIONAL MODIFICATION OF ANY BEST MANAGEMENT PRACTICES (BMPS) OR STRUCTURES), INCLUDING BUT NOT LIMITED TO TEMPORARY OR PERMANENT PONDS, DAMS, BERMS, SILT FENCES, AND DIVERSIONARY STRUCTURES;
B. ANY CHANGE IN THE NATURE OR CHARACTER OF THE REGULATED ACTIVITY FROM THAT WHICH WAS ORIGINALLY APPROVED;
C. ANY CHANGE THAT WOULD SIGNIFICANTLY IMPACT THE ABILITY TO PREVENT POLLUTION OF THE EDWARDS AQUIFER; OR
D. ANY DEVELOPMENT OF LAND PREVIOUSLY IDENTIFIED AS UNDEVELOPED IN THE APPROVED CONTRIBUTING ZONE PLAN.

AUSTIN REGIONAL OFFICE
12100 PARK 35 CIRCLE, BUILDING A
AUSTIN, TEXAS 78753-1808
PHONE (512) 339-2929
(512) 339-3795
SAN ANTONIO REGIONAL OFFICE
14250 JUDSON ROAD
SAN ANTONIO, TEXAS 78233-4480
PHONE (210) 490-3096FAX
FAX (210) 545-4329

THESE GENERAL CONSTRUCTION NOTES MUST BE INCLUDED ON THE CONSTRUCTION PLANS PROVIDED TO THE CONTRACTOR AND ALL SUBCONTRACTORS.

PAVEMENT NOTES:

PAVEMENT CONSTRUCTION AND TESTING SHALL BE PERFORMED IN ACCORDANCE WITH:

- ITEM 341: DENSE-GRADED HOT MIX ASPHALT
ITEM 247: FLEXIBLE BASE
PER THE LATEST TxDOT STANDARD SPECIFICATION

Table with columns for NO., DATE, REVISION, and BY.

NEW HOPE CORPORATE PARK - NORTH PHASE
CEDAR PARK, TEXAS
GENERAL NOTES

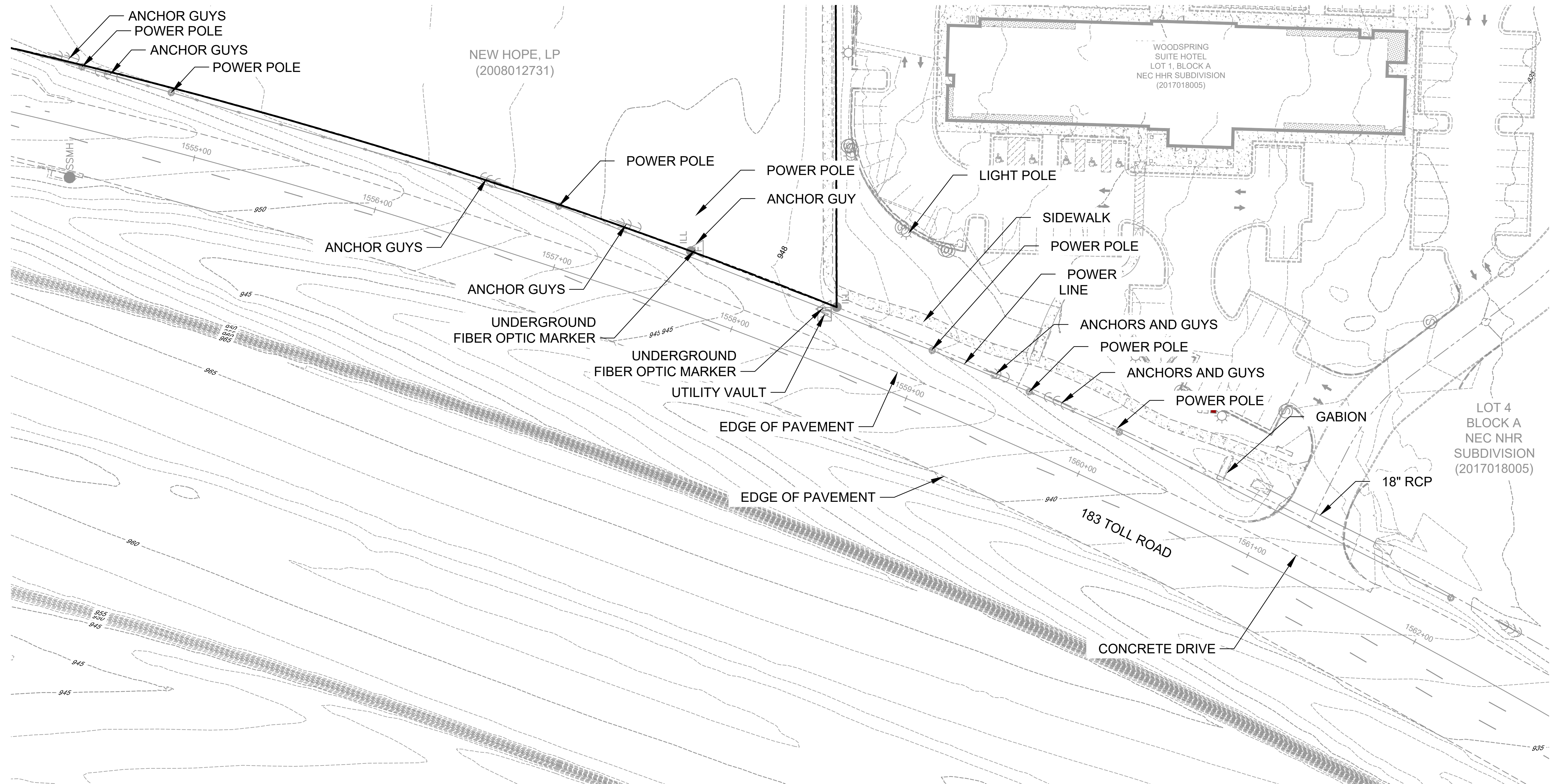
MALONE WHEELER logo and contact information: CIVIL ENGINEERING, DEVELOPMENT CONSULTING, PROJECT MANAGEMENT, 5113 Southwest Pkwy, Suite 260, Austin, Texas 78735, Phone: (512) 899-0601, Fax: (512) 899-0655, Firm Registration No. F-786.



DESIGN BY : JSK
CHECKED BY : MV
APPROVED BY : DB
DATE : 12/22/23

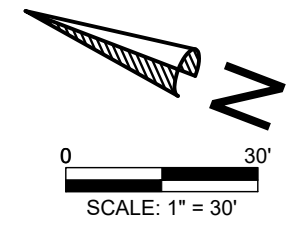
SHEET 02 OF 20

F:\THOMPSON - CEDAR PARK\PROJECTS\22-065-NEWHOPE - WEST DRAWINGS\SET WEST PHASE 183A TURN LANE\EXISTING CONDITIONS.DWG, 3/8/2024, EDUARDOA



**LEGEND**

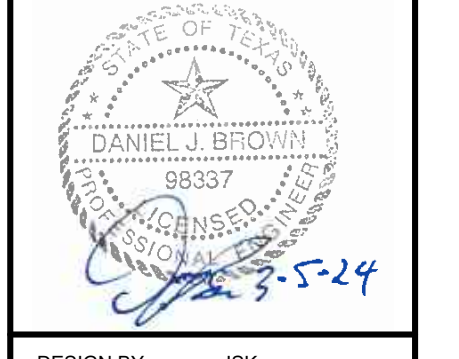
	PROP. ROW
	EXIST. CURB
	EXIST. DRIVE
	EXIST. PUBLIC UTILITY EASEMENT
	PROPERTY BOUNDARY
	EXIST. SIGN
	EXIST. UTILITY POLE
	EXIST. UTILITY POLE
	EXIST. UTILITY POLE
	EXIST. OVERHEAD ELEC.
	EXIST. FENCE
	EXIST. FENCE
	EXIST. LOT LINE
	EXIST. STORM SEWER
	EXIST. CURB INLET
	TREE TO REMAIN
	TREE TO BE REMOVED



NO.	DATE	REVISION	BY

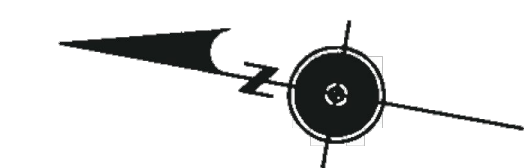
NEW HOPE CORPORATE PARK 183A TURN LANE  
 CEDAR PARK, TEXAS  
 EXISTING CONDITIONS

**MALONE WHEELER**  
 SINCE 1995  
 CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
 5113 Southwest Pkwy, Suite 240  
 Austin, Texas 78735  
 Phone: (512) 899-0601 Fax: (512) 899-0655  
 Firm Registration No. F-786



DESIGN BY: JSK  
 CHECKED BY: MV  
 APPROVED BY: DB  
 DATE: 12/22/23

F:\Thompson - Cedar Park\Projects\22-065-NEWHOPE - WEST DRAWINGS\SET WEST PHASE 183A TURN LANE\EXISTING CONDITIONS.dwg, MWV, MWV



HORIZONTAL SCALE  
0 50 100

LEGEND

- - - RIGHT OF WAY
- - - DRAINAGE AREA
- - - ULTIMATE DRAINAGE AREA
- ← FLOW DIRECTION
- (X.XX) DRAINAGE AREA ID
- [X.XX] DRAINAGE NODE

NOTES:

1. ULTIMATE DRAINAGE AREA INCLUDES A COMPLETELY PAVED SPECIAL USE CORRIDOR IN THE MEDIAN OF THE MAIN LANES.
2. DRAINAGE AREAS AND RUNOFF COMPUTATIONS ARE BASED UPON ULTIMATE DRAINAGE AREAS WHERE APPROPRIATE.

STATE OF TEXAS  
JOSEPH SKIDMORE  
85592  
PROFESSIONAL ENGINEER

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PE # 85592 ON DATE: 8/4/2010

*Joseph Skidmore*  
JOSEPH SKIDMORE, P. E.

NO	DATE	REVISION	APPROVED
1	08/05/10	ADDED LANE TO SBFR	

RODRIGUEZ TRANSPORTATION GROUP  
CONSULTING ENGINEERS  
FIRM #587

**K FRIESE & ASSOCIATES, INC.**  
(FIRM #6535)

CENTRAL TEXAS  
Regional Mobility Authority

183A EXTENSION  
**DRAINAGE AREA MAP**

SHEET 23 OF 28 SHEETS

DESIGNED BY:	FED. RD. DIST. NO.	FEDERAL AID PROJECT NO.	SHEET NO.	
VGM, CAG	6		400	
DRAWN BY:	STATE	DIST.	COUNTY	
MJA	TEXAS	AUS	WILLIAMSON	
CHECKED BY:	CONT.	SECT.	JOB	HIGHWAY NO.
JDS	0151	04	054	183A

NO.	DATE	REVISION

NEW HOPE CORPORATE PARK 183A TURN LANE  
CEDAR PARK, TEXAS

EXISTING DRAINAGE AREA MAP 1 OF 2

**MALONE WHEELER**  
SINCE INC. 1975

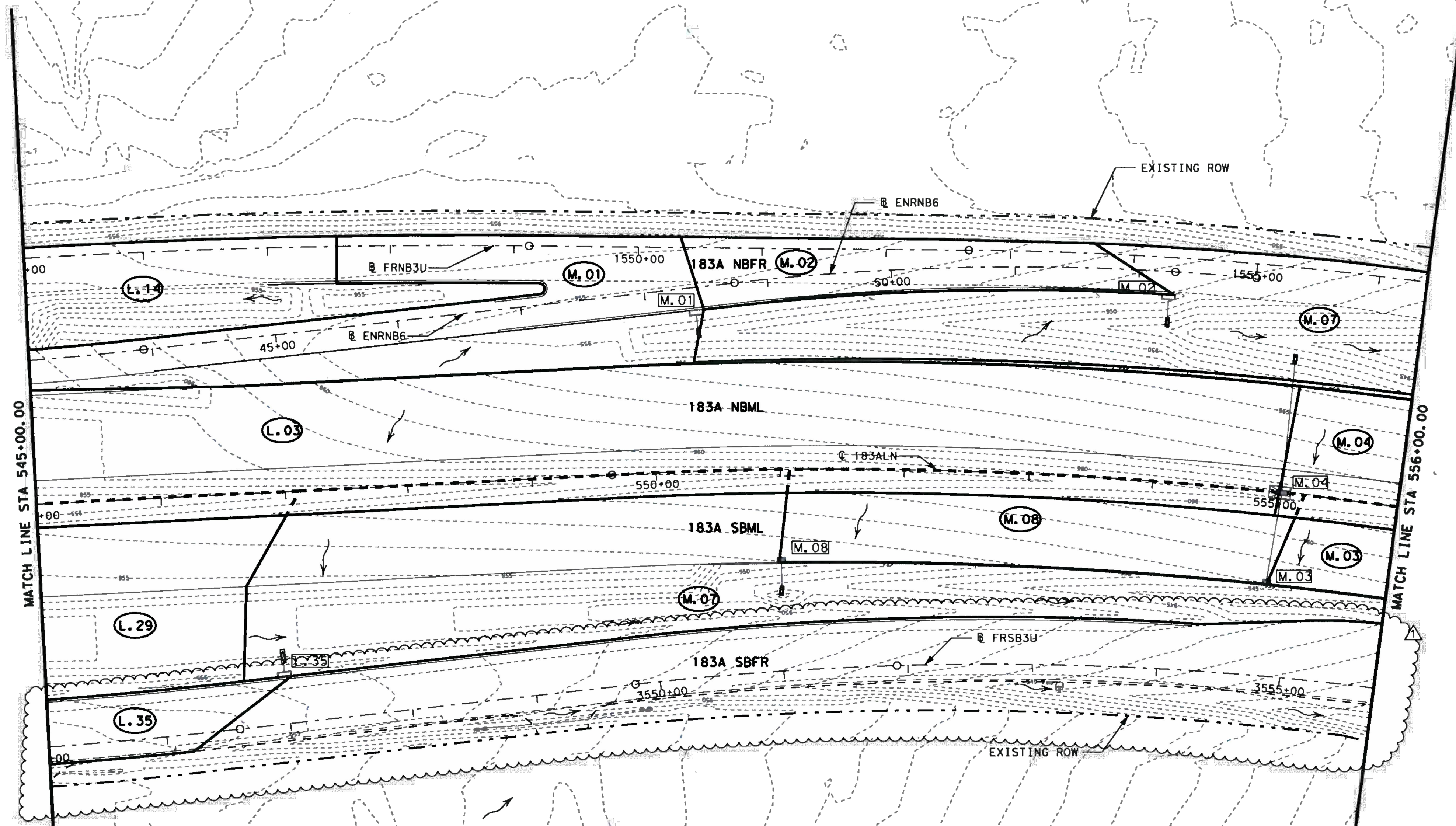
CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT

5113 Southwest Plaza, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F786

STATE OF TEXAS  
DANIEL L. BROWN  
85337  
REGISTERED PROFESSIONAL ENGINEER

DESIGN BY: JSK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 12/22/23

SHEET 04  
OF 26



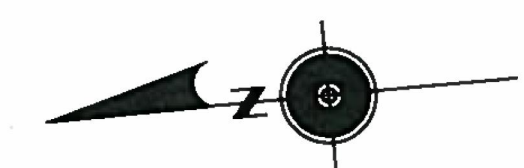
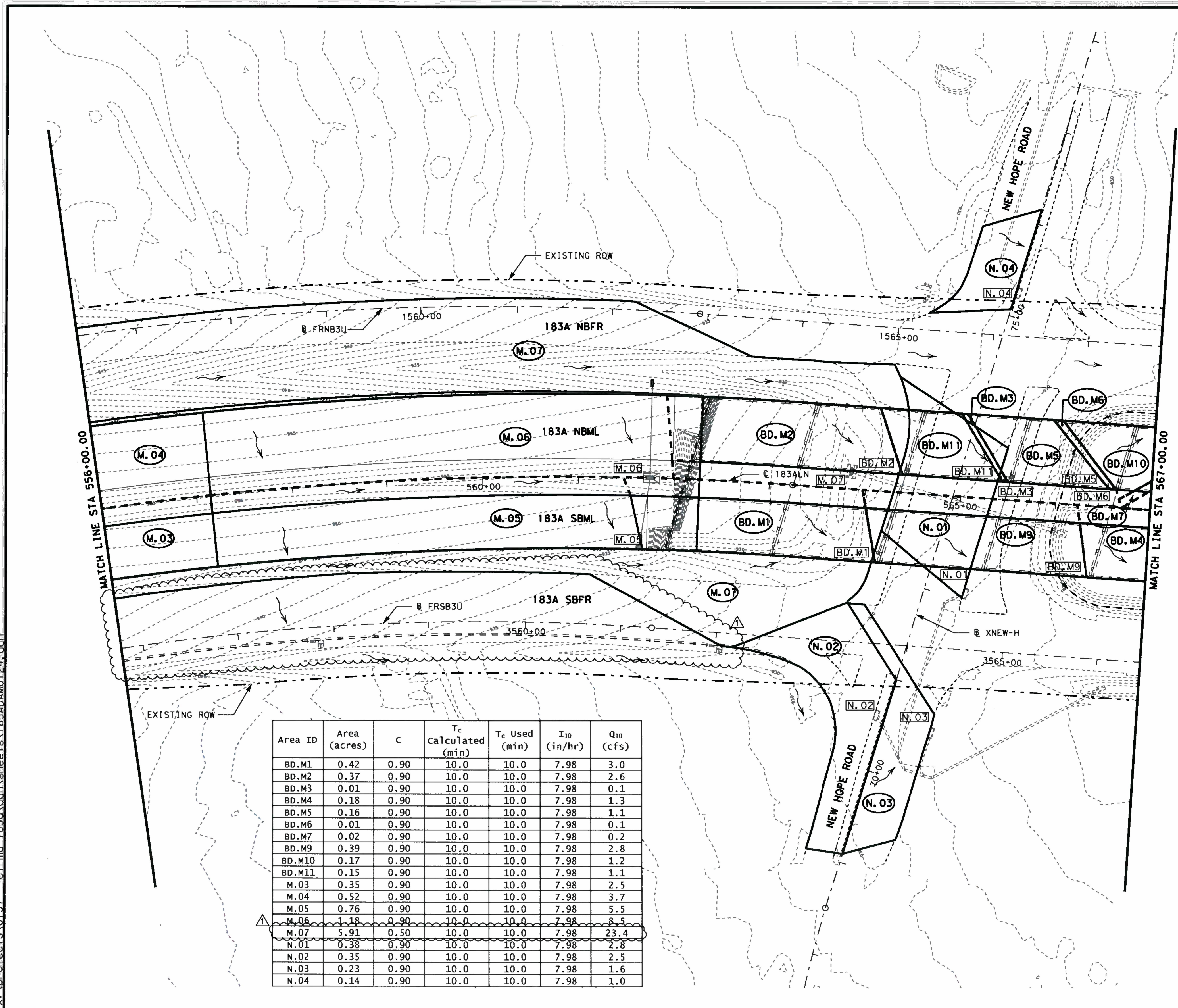
Area ID	Area (acres)	C	T <sub>c</sub> Calculated (min)	T <sub>c</sub> Used (min)	I <sub>10</sub> (in/hr)	Q <sub>10</sub> (cfs)
L.03	3.80	0.90	10.0	10.0	7.98	27.3
L.29	3.26	0.53	10.0	10.0	7.98	13.8
L.35	0.55	0.90	10.0	10.0	7.98	4.0
M.01	1.31	0.66	10.0	10.0	7.98	7.0
M.02	0.36	0.90	10.0	10.0	7.98	2.6
M.03	0.35	0.90	10.0	10.0	7.98	2.5
M.04	0.52	0.90	10.0	10.0	7.98	3.7
M.07	5.91	0.50	10.0	10.0	7.98	23.4
M.08	0.68	0.90	10.0	10.0	7.98	4.9

F:\THOMPSON - CEDAR PARK\PROJECTS\22-066-NEWHOPE - WEST DRAWINGS\DRAINAGE AREA MAP.DWG, 3/6/2024, EDUARDO  
8/4/2010 1:58:52 PM  
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RECORD DRAWING - PROVIDED FOR INFORMATION AND REVIEW PURPOSES ONLY

F:\Thompson - Cedar Park\Projects\22-066-NEWHOPE - WEST DRAWINGS\DRAINAGE AREA MAP.dwg, MWV, MWV

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HORIZONTAL SCALE  
 0 50 100

**LEGEND**

- RIGHT OF WAY
- DRAINAGE AREA
- ULTIMATE DRAINAGE AREA
- FLOW DIRECTION
- (X.XX) DRAINAGE AREA ID
- [X.XX] DRAINAGE NODE

**NOTES:**

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Area ID	Area (acres)	C	T <sub>c</sub> Calculated (min)	T <sub>c</sub> Used (min)	I <sub>10</sub> (in/hr)	Q <sub>10</sub> (cfs)
BD.M1	0.42	0.90	10.0	10.0	7.98	3.0
BD.M2	0.37	0.90	10.0	10.0	7.98	2.6
BD.M3	0.01	0.90	10.0	10.0	7.98	0.1
BD.M4	0.18	0.90	10.0	10.0	7.98	1.3
BD.M5	0.16	0.90	10.0	10.0	7.98	1.1
BD.M6	0.01	0.90	10.0	10.0	7.98	0.1
BD.M7	0.02	0.90	10.0	10.0	7.98	0.2
BD.M9	0.39	0.90	10.0	10.0	7.98	2.8
BD.M10	0.17	0.90	10.0	10.0	7.98	1.2
BD.M11	0.15	0.90	10.0	10.0	7.98	1.1
M.03	0.35	0.90	10.0	10.0	7.98	2.5
M.04	0.52	0.90	10.0	10.0	7.98	3.7
M.05	0.76	0.90	10.0	10.0	7.98	5.5
M.06	1.18	0.90	10.0	10.0	7.98	8.5
M.07	5.91	0.50	10.0	10.0	7.98	23.4
N.01	0.38	0.90	10.0	10.0	7.98	2.8
N.02	0.35	0.90	10.0	10.0	7.98	2.5
N.03	0.23	0.90	10.0	10.0	7.98	1.6
N.04	0.14	0.90	10.0	10.0	7.98	1.0

JOSEPH SKIDMORE  
 LICENSED PROFESSIONAL ENGINEER  
 #85592

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PE # 85592 ON

DATE: 8/4/2010

*Joseph Skidmore*  
 JOSEPH SKIDMORE, P.E.

NO	DATE	REVISION	APPROVED
1	08/05/10	ADDED LANE TO SBFR	

RODRIGUEZ TRANSPORTATION GROUP  
 CONSULTING ENGINEERS  
 FIRM #587

**K FRIESE & ASSOCIATES, INC.**  
 (FIRM #6535)

CENTRAL TEXAS  
 Regional Mobility Authority

**183A EXTENSION**

**DRAINAGE AREA MAP**

SHEET 24 OF 28 SHEETS

DESIGNED BY: VGM, CAG	FED. RD. DIST. NO. 6	FEDERAL AID PROJECT NO. 401	SHEET NO. 24
DRAWN BY: MJA	STATE: TEXAS	DIST.: AUS	COUNTY: WILLIAMSON
CHECKED BY: JDS	CONT.: 0151	SECT.: 04	JOB: 054 HIGHWAY NO.: 183A

BY		REVISION		DATE		NO.	

NEW HOPE CORPORATE PARK 183A TURN LANE  
 CEDAR PARK, TEXAS

EXISTING DRAINAGE AREA MAP 2 of 2

**MALONE WHEELER**  
 SINCE 1995

CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
 5113 Southwest Plaza, Suite 240  
 Austin, Texas 78735  
 Phone: (512) 899-0601 Fax: (512) 899-0655  
 Firm Registration No. F-786

DANIEL J. BROWN  
 LICENSED PROFESSIONAL ENGINEER  
 #58337

3-5-24

DESIGN BY: JSK	
CHECKED BY: MV	
APPROVED BY: DB	
DATE: 12/22/23	

SHEET 05 OF 26

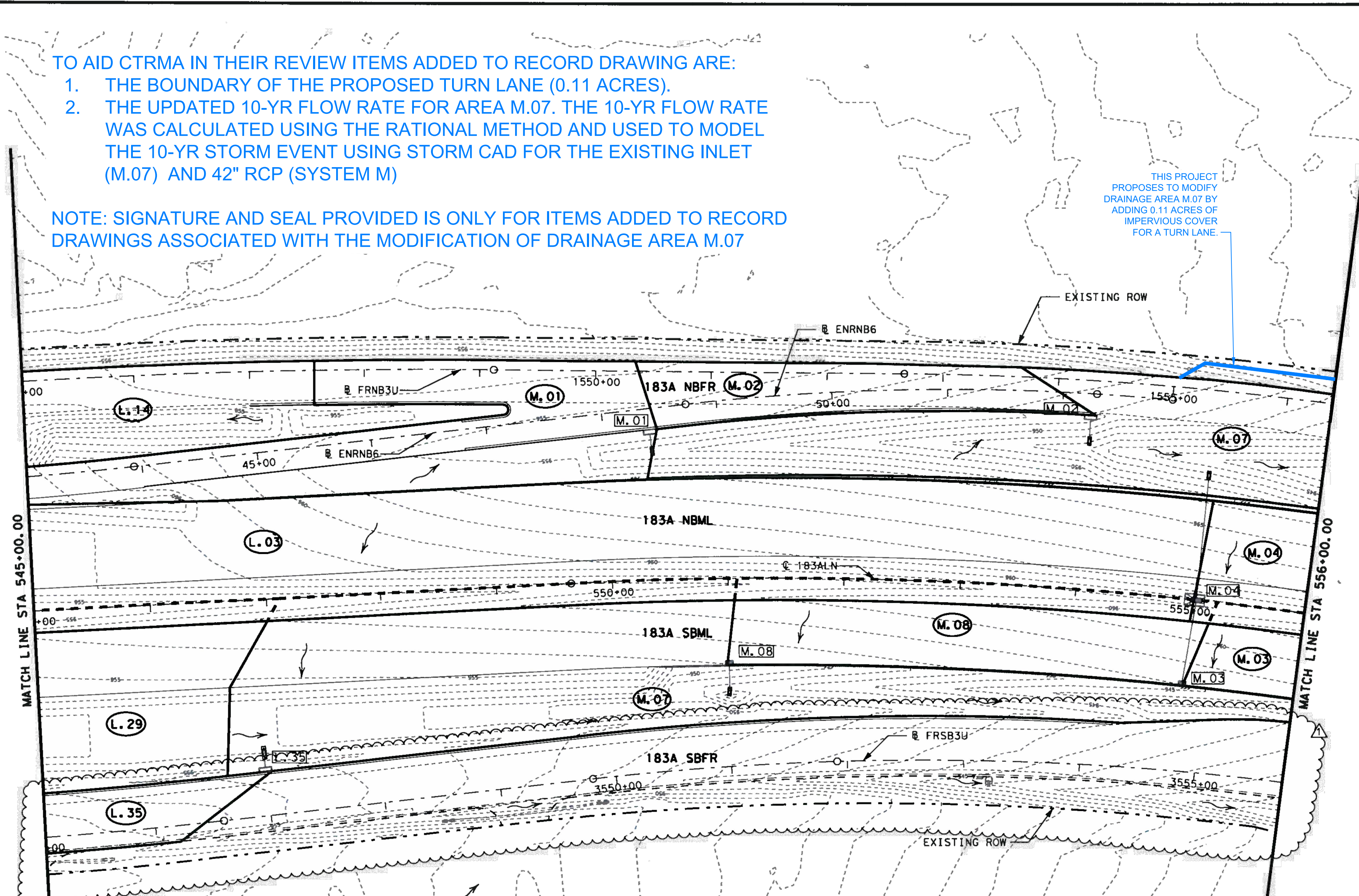
RECORD DRAWING - PROVIDED FOR INFORMATION AND REVIEW PURPOSES ONLY

F:\Thompson - Cedar Park\Projects\2005\New Hope - WEST Drawings\Plan\West Phase - 183A Turn Lane\Existing Drainage Area Map.dwg, MWV, MWV

- TO AID CTRMA IN THEIR REVIEW ITEMS ADDED TO RECORD DRAWING ARE:
1. THE BOUNDARY OF THE PROPOSED TURN LANE (0.11 ACRES).
  2. THE UPDATED 10-YR FLOW RATE FOR AREA M.07. THE 10-YR FLOW RATE WAS CALCULATED USING THE RATIONAL METHOD AND USED TO MODEL THE 10-YR STORM EVENT USING STORM CAD FOR THE EXISTING INLET (M.07) AND 42" RCP (SYSTEM M)

NOTE: SIGNATURE AND SEAL PROVIDED IS ONLY FOR ITEMS ADDED TO RECORD DRAWINGS ASSOCIATED WITH THE MODIFICATION OF DRAINAGE AREA M.07

THIS PROJECT PROPOSES TO MODIFY DRAINAGE AREA M.07 BY ADDING 0.11 ACRES OF IMPERVIOUS COVER FOR A TURN LANE.



HORIZONTAL SCALE  
0 50 100

LEGEND

- RIGHT OF WAY
- DRAINAGE AREA
- ULTIMATE DRAINAGE AREA
- FLOW DIRECTION
- (X.XX) DRAINAGE AREA ID
- [X.XX] DRAINAGE NODE

NOTES:

1. ULTIMATE DRAINAGE AREA INCLUDES A COMPLETELY PAVED SPECIAL USE CORRIDOR IN THE MEDIAN OF THE MAIN LANES.
2. DRAINAGE AREAS AND RUNOFF COMPUTATIONS ARE BASED UPON ULTIMATE DRAINAGE AREAS WHERE APPROPRIATE.

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PE # 85592 ON DATE: 8/4/2010

*Joseph Skidmore*  
JOSEPH SKIDMORE, P.E.

NO.	DATE	REVISION	APPROVED
08/05/10		ADDED LANE TO SBFR	

RODRIGUEZ TRANSPORTATION GROUP  
CONSULTING ENGINEERS  
FIRM #587

**K & FRIESE & ASSOCIATES, INC.**  
(FIRM #6535)

CENTRAL TEXAS  
Regional Mobility Authority

**183A EXTENSION**

**DRAINAGE AREA MAP**

SHEET 23 OF 28 SHEETS

DESIGNED BY:	VGM, CAC	FED. RD. DIST. NO.:	6	FEDERAL AID PROJECT NO.:	400	SHEET NO.:	23	
DRAWN BY:	MJA	STATE:	TEXAS	DIST.:	AUS	COUNTY:	WILLIAMSON	
CHECKED BY:	JDS	CONT. SECT.:	0151	04	JOB:	054	HIGHWAY NO.:	183A

RATIONAL METHOD - COOP Drainage Criteria and Design Standards  
Drainage Area Calculations

Q = CIA  
Where:  
Q = peak runoff in cubic feet per second.  
C = the coefficient of runoff  
A = the area in acres contributing runoff to the point of design.  
i = the average intensity of rainfall in inches per hour

$i = a/(t+b)^c$   
Where,  
t = Time of concentration for the entire drainage area of interest  
 $T(\text{shallow flow}) = Ln/(42s^{0.5})$      $T(\text{shallow concentrated flow}) = Ln/(60s^{0.5})$   
where,  
L = Length of the reach in ft.  
n = Manning's n  
s = Slope of the ground in ft/ft

Atlas-14 City of Cedar Park intensity-duration-frequency curve

	2 Yr	5 Yr	10 Yr
a	46.14	53.62	61.08
b	9.47	8.83	8.41
c	0.7523	0.7341	0.7253

DEVELOPED  
Asphaltic 0.81  
Concrete 0.83  
GRASS\_Good  
Cond.  
Avg. 2-7% 0.35

Area ID	Area (acres)	C	T <sub>c</sub> Calculated (min)	T <sub>c</sub> Used (min)	I <sub>10</sub> (in/hr)	Q <sub>10</sub> (cfs)
L.03	3.80	0.90	10.0	10.0	7.98	27.3
L.14	1.11	0.84	10.0	10.0	7.98	7.4
L.29	3.26	0.53	10.0	10.0	7.98	13.8
L.35	0.55	0.90	10.0	10.0	7.98	4.0
M.01	1.31	0.66	10.0	10.0	7.98	7.0
M.02	0.36	0.90	10.0	10.0	7.98	2.6
M.03	0.35	0.90	10.0	10.0	7.98	2.5
M.04	0.52	0.90	10.0	10.0	7.98	3.7
P-M.07	6.02	0.50	10.0	10.0	7.98	24.5
M.08	0.68	0.90	10.0	10.0	7.98	4.9

24.5 CFS IS THE HIGHER VALUE USED IN STORM SEWER EVALUATION.

DEVELOPED CONDITIONS - DRAINAGE CALCULATIONS FOR ONSITE INLETS

AREA	AREA(AC)	PERV.(AC)	IMP.(AC)	IMP. (%)	C10	Tc (min)	I10	Q10
M.07	5.91	3.92	1.99	34%	0.50	10.0	7.98	23.4
*P-M.07	6.02	3.92	2.10	35%	0.51	10.0	7.98	24.5
**P-M.07	6.02	3.92	2.10	35%	0.51	10.0	7.39	22.7

RECORD DRAWING - PROVIDED FOR INFORMATION AND REVIEW PURPOSES ONLY

REVISION

DATE

NO.

NEW HOPE CORPORATE PARK 183A TURN LANE  
CEDAR PARK, TEXAS

PROPOSED DRAINAGE AREA MAP 1 of 2

MALONE WHEELER  
SINCE INC. 1995  
CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
5113 Southwest Pkwy, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F786

DESIGNED BY: JSK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 12/22/23

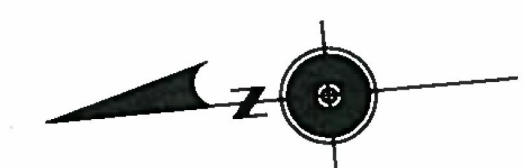
SHEET 06  
OF 26

TO AID CTRMA IN THEIR REVIEW ITEMS ADDED TO RECORD DRAWING ARE:

1. THE BOUNDARY OF THE PROPOSED TURN LANE (0.11 ACRES).
2. THE UPDATED 10-YR FLOW RATE FOR AREA M.07. THE 10-YR FLOW RATE WAS CALCULATED USING THE RATIONAL METHOD AND USED TO MODEL THE 10-YR STORM EVENT USING STORM CAD FOR THE EXISTING INLET (M.07) AND 42" RCP (SYSTEM M)

NOTE: SIGNATURE AND SEAL PROVIDED IS ONLY FOR ITEMS ADDED TO RECORD DRAWINGS ASSOCIATED WITH THE MODIFICATION OF DRAINAGE AREA M.07

THIS PROJECT PROPOSES TO MODIFY DRAINAGE AREA M.07 BY ADDING 0.11 ACRES OF IMPERVIOUS COVER FOR A TURN LANE.



HORIZONTAL SCALE  
0 50 100

LEGEND

- - - RIGHT OF WAY
- DRAINAGE AREA
- - - ULTIMATE DRAINAGE AREA
- FLOW DIRECTION
- (X.XX) DRAINAGE AREA ID
- [X.XX] DRAINAGE NODE

NOTES:

1. ULTIMATE DRAINAGE AREA INCLUDES A COMPLETELY PAVED SPECIAL USE CORRIDOR IN THE MEDIAN OF THE MAIN LANES.
2. DRAINAGE AREAS AND RUNOFF COMPUTATIONS ARE BASED UPON ULTIMATE DRAINAGE AREAS WHERE APPROPRIATE.

	THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PE # 85592 ON DATE: 8/4/2010 <i>Joseph Skidmore</i> JOSEPH SKIDMORE, P.E.
	NO DATE REVISION APPROVED 1 08/05/10 ADDED LANE TO SBFR

RODRIGUEZ TRANSPORTATION GROUP  
CONSULTING ENGINEERS  
FIRM #587

**K. FRIESE & ASSOCIATES, INC.**  
(FIRM #6535)

CENTRAL TEXAS  
Regional Mobility Authority

183A EXTENSION  
**DRAINAGE AREA MAP**

SHEET 24 OF 28 SHEETS

DESIGNED BY: <i>VGM, CAG</i>	FED. AID PROJECT NO. 6	SHEET NO. 401
DRAWN BY: MJA	STATE: TEXAS	DIST.: AUS
CHECKED BY: JDS	CONT. SECT.: 0151 04	JOB: 054 HIGHWAY NO.: 183A

NO.	DATE	REVISION

NEW HOPE CORPORATE PARK 183A TURN LANE  
CEDAR PARK, TEXAS  
PROPOSED DRAINAGE AREA MAP 1 of 2

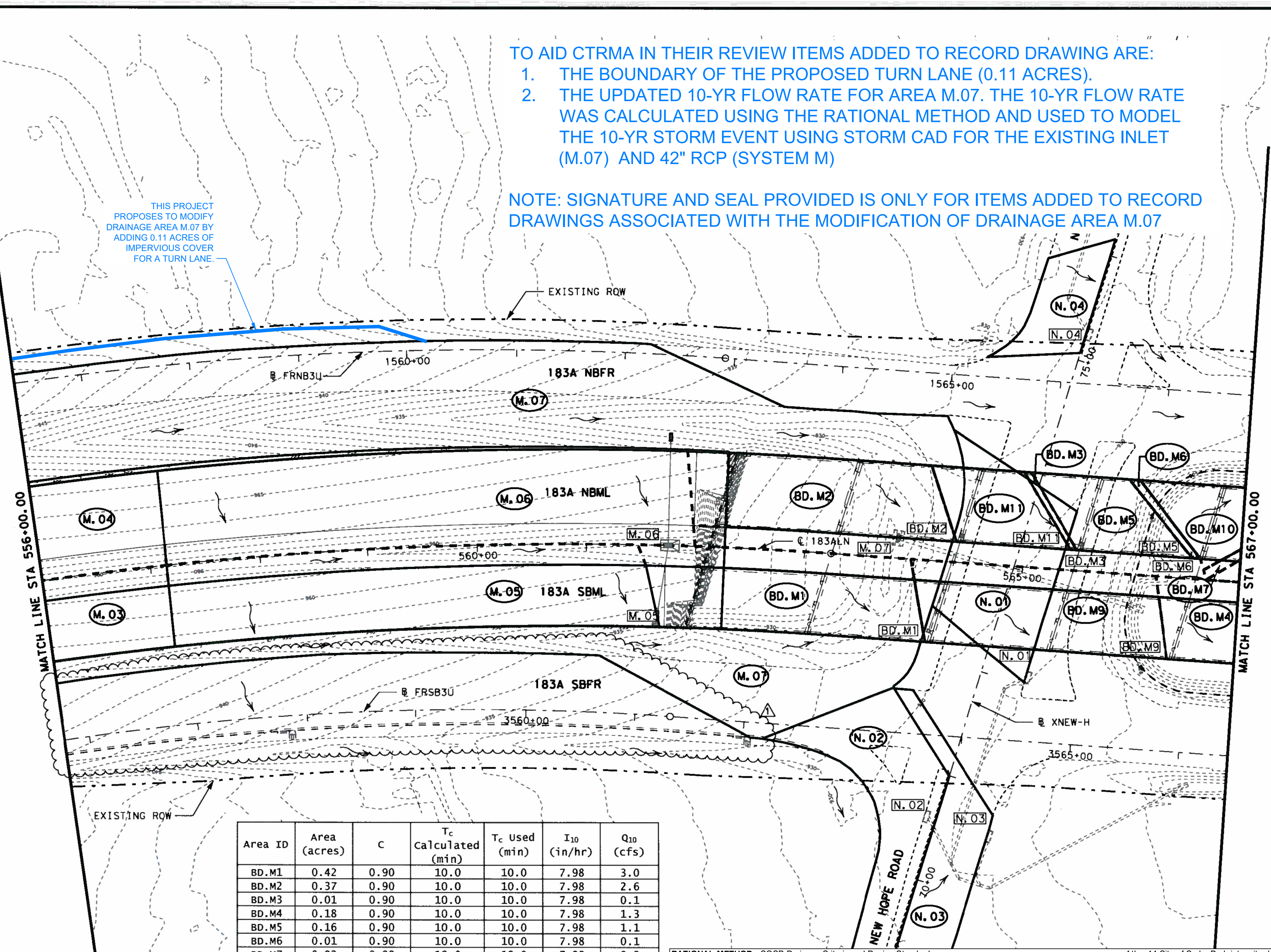
**MALONE WHEELER**  
INC. 1995

CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
5113 Southwest Pkwy, Suite 240  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786

*Daniel J. Brown*  
DANIEL J. BROWN, P.E.

DESIGN BY: JSK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 12/22/23

SHEET 07 OF 26



Area ID	Area (acres)	C	Tc Calculated (min)	Tc Used (min)	I <sub>10</sub> (in/hr)	Q <sub>10</sub> (cfs)
BD.M1	0.42	0.90	10.0	10.0	7.98	3.0
BD.M2	0.37	0.90	10.0	10.0	7.98	2.6
BD.M3	0.01	0.90	10.0	10.0	7.98	0.1
BD.M4	0.18	0.90	10.0	10.0	7.98	1.3
BD.M5	0.16	0.90	10.0	10.0	7.98	1.1
BD.M6	0.01	0.90	10.0	10.0	7.98	0.1
BD.M7	0.02	0.90	10.0	10.0	7.98	0.2
BD.M9	0.39	0.90	10.0	10.0	7.98	2.8
BD.M10	0.17	0.90	10.0	10.0	7.98	1.2
BD.M11	0.15	0.90	10.0	10.0	7.98	1.1
M.03	0.35	0.90	10.0	10.0	7.98	2.5
M.04	0.52	0.90	10.0	10.0	7.98	3.7
M.05	0.76	0.90	10.0	10.0	7.98	5.5
M.06	1.18	0.90	10.0	10.0	7.98	8.5
<b>*P-M.07</b>	<b>6.02</b>	<b>0.50</b>	<b>10.0</b>	<b>10.0</b>	<b>7.98</b>	<b>24.5</b>
N.01	0.38	0.90	10.0	10.0	7.98	2.8
N.02	0.35	0.90	10.0	10.0	7.98	2.5
N.03	0.23	0.90	10.0	10.0	7.98	1.6
N.04	0.14	0.90	10.0	10.0	7.98	1.0

RATIONAL METHOD - COCP Drainage Criteria and Design Standards  
Drainage Area Calculations

Q = CIA  
Where:  
Q = peak runoff in cubic feet per second.  
C = the coefficient of runoff  
A = the area in acres contributing runoff to the point of design.  
i = the average intensity of rainfall in inches per hour  
  
 $i = a/(t+b)^c$   
Where:  
t = Time of concentration for the entire drainage area of interest  
 $T(\text{shallow flow}) = Ln/(42s^{0.5})$      $T(\text{shallow concentrated flow}) = Ln/(60s^{0.5})$   
where:  
L = Length of the reach in ft.  
n = Manning's n  
s = Slope of the ground in ft/ft

DEVELOPED CONDITIONS - DRAINAGE CALCULATIONS FOR ONSITE INLETS

AREA	AREA(AC)	PERV.(AC)	IMP.(AC)	IMP.(%)	C10	Tc (min)	I10	Q10
M.07	5.91	3.92	1.99	34%	0.50	10.0	7.98	23.4
*P-M.07	6.02	3.92	2.10	35%	0.51	10.0	7.98	24.5
**P-M.07	6.02	3.92	2.10	35%	0.51	10.0	7.39	22.7

Atlas-14 City of Cedar Park intensity-duration-frequency curve

	2 Yr	5 Yr	10 Yr
a	46.14	53.62	61.08
b	9.47	8.83	8.41
c	0.7523	0.7341	0.7253

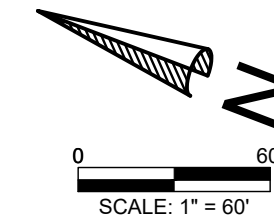
	DEVELOPED	10-YR
Asphaltic	0.81	
Concrete	0.83	
GRASS, Good Cond.		0.35
Avg. 2-7%		

\*Pre Atlas-14  
\*\*Atlas-14

8/7/2010 1:58:59 PM x:\projects\0137 - ctrma\_183a\dm\sheets\183ADAM0124.dgn  
 F:\Thompson - Cedar Park\Projects\02-065-NewHope\_West\Drawings\Phase\183A TURN LANE\PROPOSED DRAINAGE AREA MAP.dwg, 3/22/24, EDUARDOA

RECORD DRAWING - PROVIDED FOR INFORMATION AND REVIEW PURPOSES ONLY

24.5 CFS IS THE HIGHER VALUE USED IN STORM SEWER EVALUATION.



**LEGEND**

	PROPERTY BOUNDARY
	LIMITS OF CONSTRUCTION
	SILT FENCE W/ J HOOKS PHASE 1
	GRATE INLET PROTECTION
	TYPE 2 ROCK FILTER DAM
	PROPOSED FINISHED GRADE



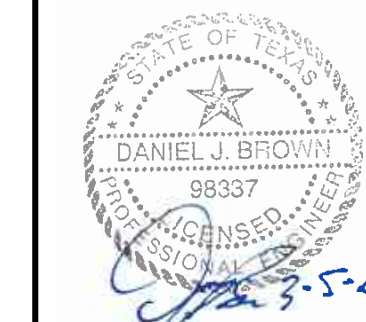
NEW HOPE CORPORATE PARK 183A TURN LANE

CEDAR PARK, TEXAS

EROSION AND SEDIMENTATION CONTROL PLAN

**MALONE ★ WHEELER**  
SINCE INC. 1995

CIVIL ENGINEERING ★ DEVELOPMENT CONSULTING ★ PROJECT MANAGEMENT  
5113 Southwest Pkwy, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786

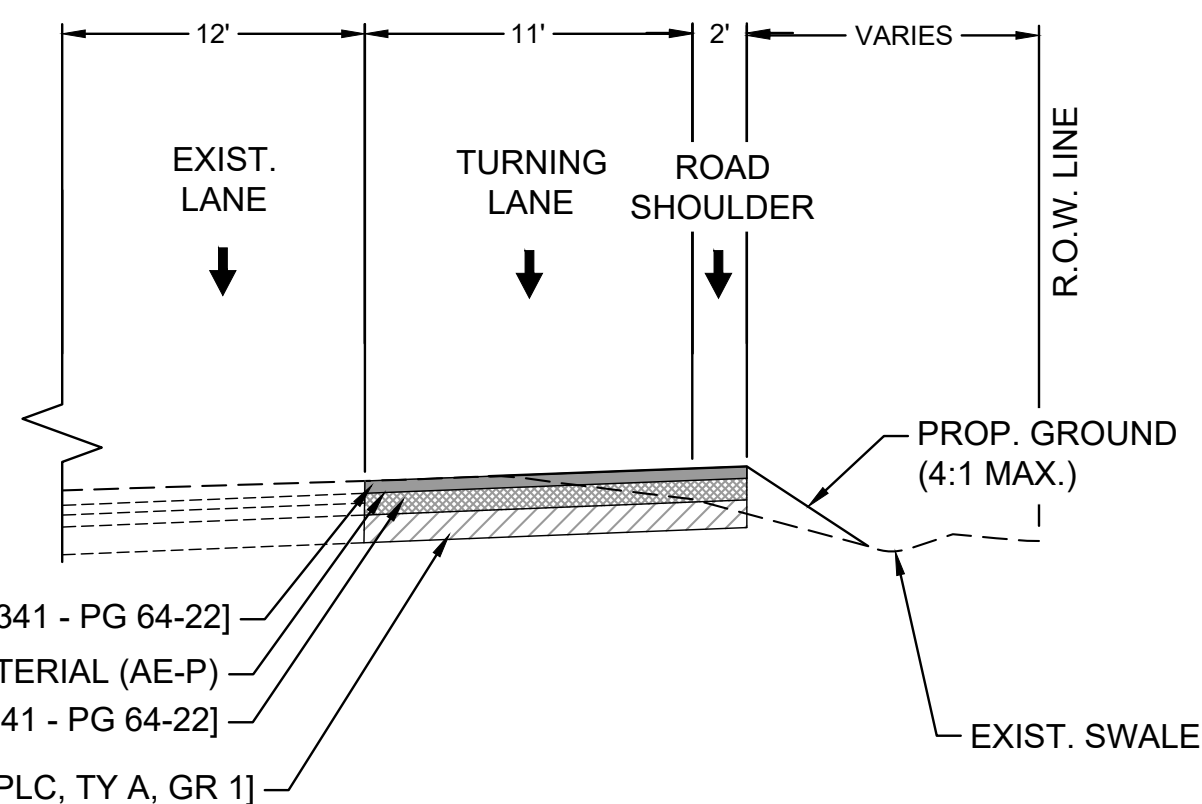
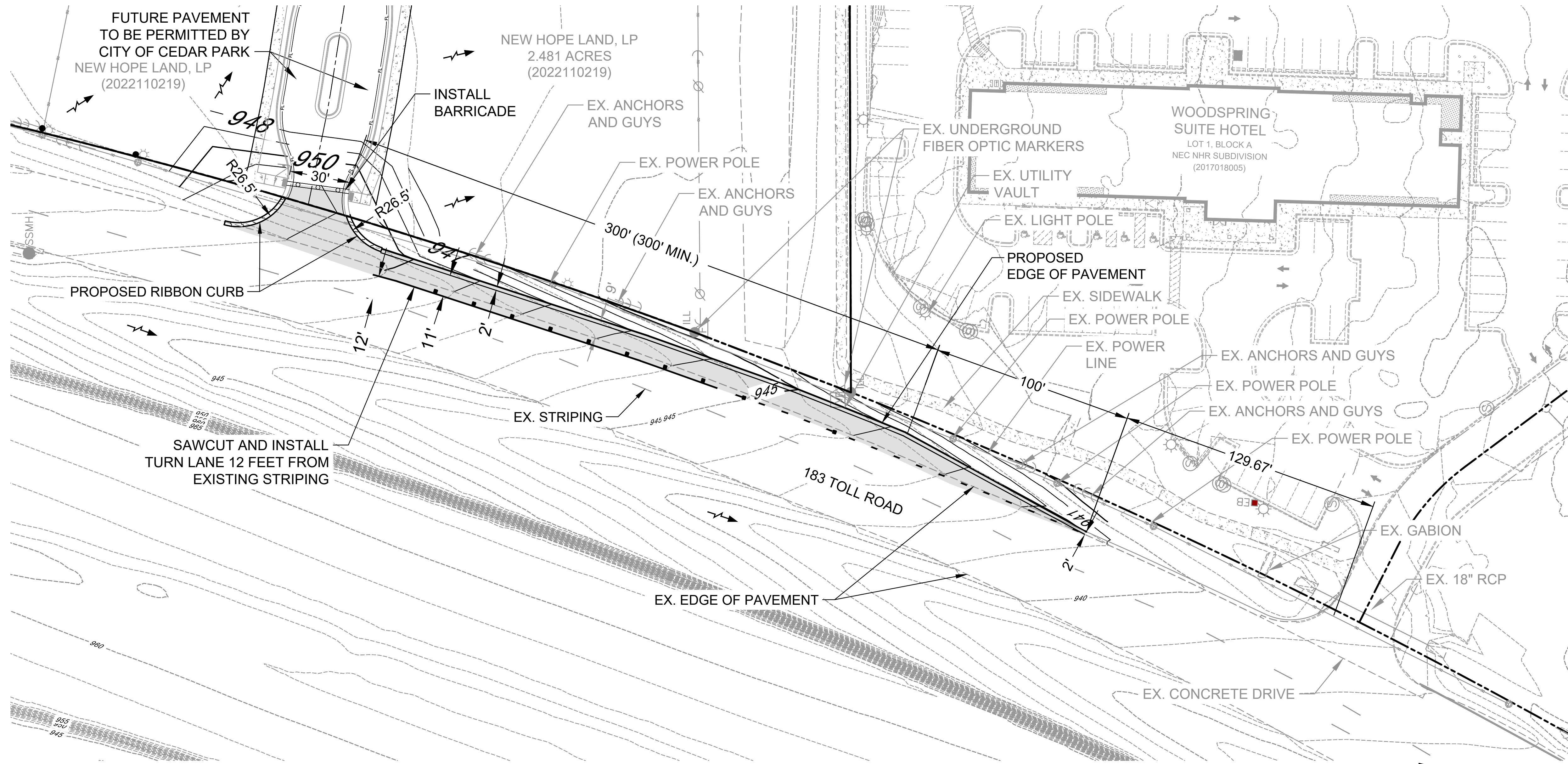


DESIGN BY : JSK  
CHECKED BY : MV  
APPROVED BY : DB  
DATE : 12/22/23

SHEET 08  
OF 26

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- 2" D-GR HMA TYPE C [ITEM 341 - PG 64-22]
- PRIMECOAT ASPH MATERIAL (AE-P)
- 5.5" D-GR HMA TYPE B [ITEM 341 - PG 64-22]
- 8" FLEX BASE [ITEM 247 - CMP IN PLC, TY A, GR 1]

**NOTES:**

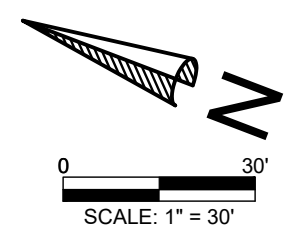
1. HMA TY C SHALL COMPLY WITH TXDOT STANDARD SPECIFICATION 341 DENSE GRADED HMA
2. HMA TY B SHALL COMPLY WITH TXDOT STANDARD SPECIFICATION 341 DENSE GRADED HMA
3. FLEX BASE SHALL COMPLY WITH TXDOT STANDARD SPECIFICATION 247, CMP IN PLC, TY A, GR 1
4. CONTRACTOR TO MATCH EXISTING PAVEMENT SECTION AND EXISTING CROSS SLOPE
5. DISTURBED SOIL SHOULD BE REGRADED WITH 6" TOPSOIL & SEEDING

**GENERAL NOTES:**

1. THIS PROJECT IS LOCATED IN THE CITY LIMITS OF CEDAR PARK.
2. WARNING SIGNS ARE REQUIRED TO BE PLACED UNDER THE OVERHEAD ELECTRIC LINES TO MAKE ALL PERSONNEL AWARE OF THE ELECTRIC HAZARD.
3. CONTRACTOR TO FIELD VERIFY LOCATION AND ELEVATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION.
4. CONTRACTOR TO MATCH EXISTING GRADE, GUTTER, AND ASPHALT WHEN TYING IN TO EXISTING ROADWAYS.
5. SPOT ELEVATIONS ARE TOP OF PAVEMENT UNLESS OTHERWISE NOTED.
6. ALL ROADWAY STRIPING TO BE THERMOPLASTIC AND TMUTCD COMPLIANT.
7. CONTRACTOR TO INSTALL TRAFFIC CONTROLS PRIOR TO COMMENCING WORK. SEE TRAFFIC CONTROL PLAN.

**LEGEND**

	EXIST. CURB
	EXIST. DRIVE
	EXIST. PUBLIC UTILITY EASEMENT
	PROPERTY BOUNDARY
	EXIST. SIGN
	EXIST. UTILITY POLE
	EXIST. UTILITY POLE
	EXIST. UTILITY POLE
	EXIST. OVERHEAD ELEC.
	EXIST. FENCE
	EXIST. FENCE
	EXIST. LOT LINE
	EXIST. STORM SEWER
	EXIST. CURB INLET
	TREE TO REMAIN
	TREE TO BE REMOVED



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NO.	DATE	REVISION	BY

NEW HOPE CORPORATE PARK 183A TURN LANE  
 CEDAR PARK, TEXAS  
 PAVEMENT PLAN

**MALONE WHEELER**  
SINCE INC. 1995  
 CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
 5113 Southwest Pkwy, Suite 260  
 Austin, Texas 78735  
 Phone: (512) 899-0601 Fax: (512) 899-0655  
 Firm Registration No. F-786

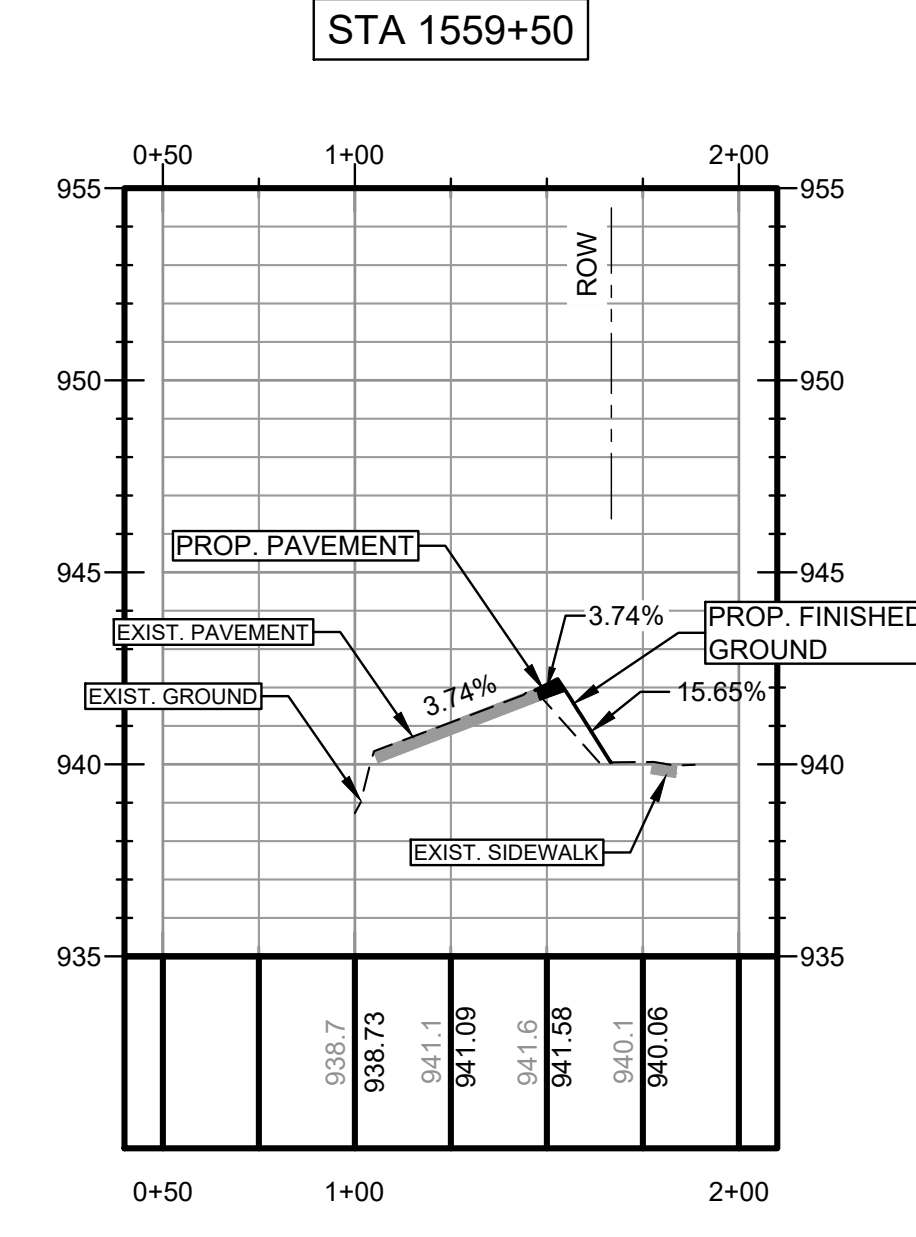
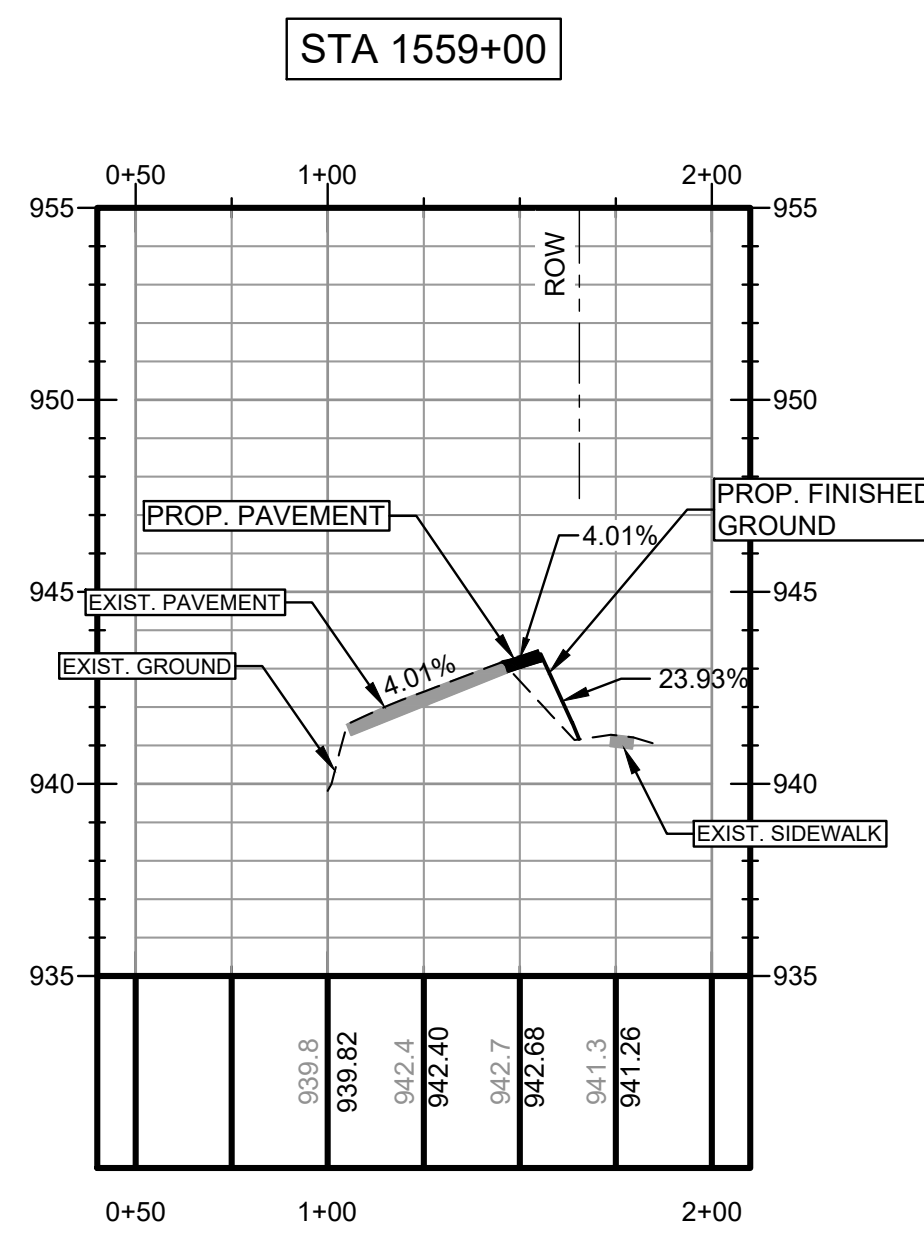
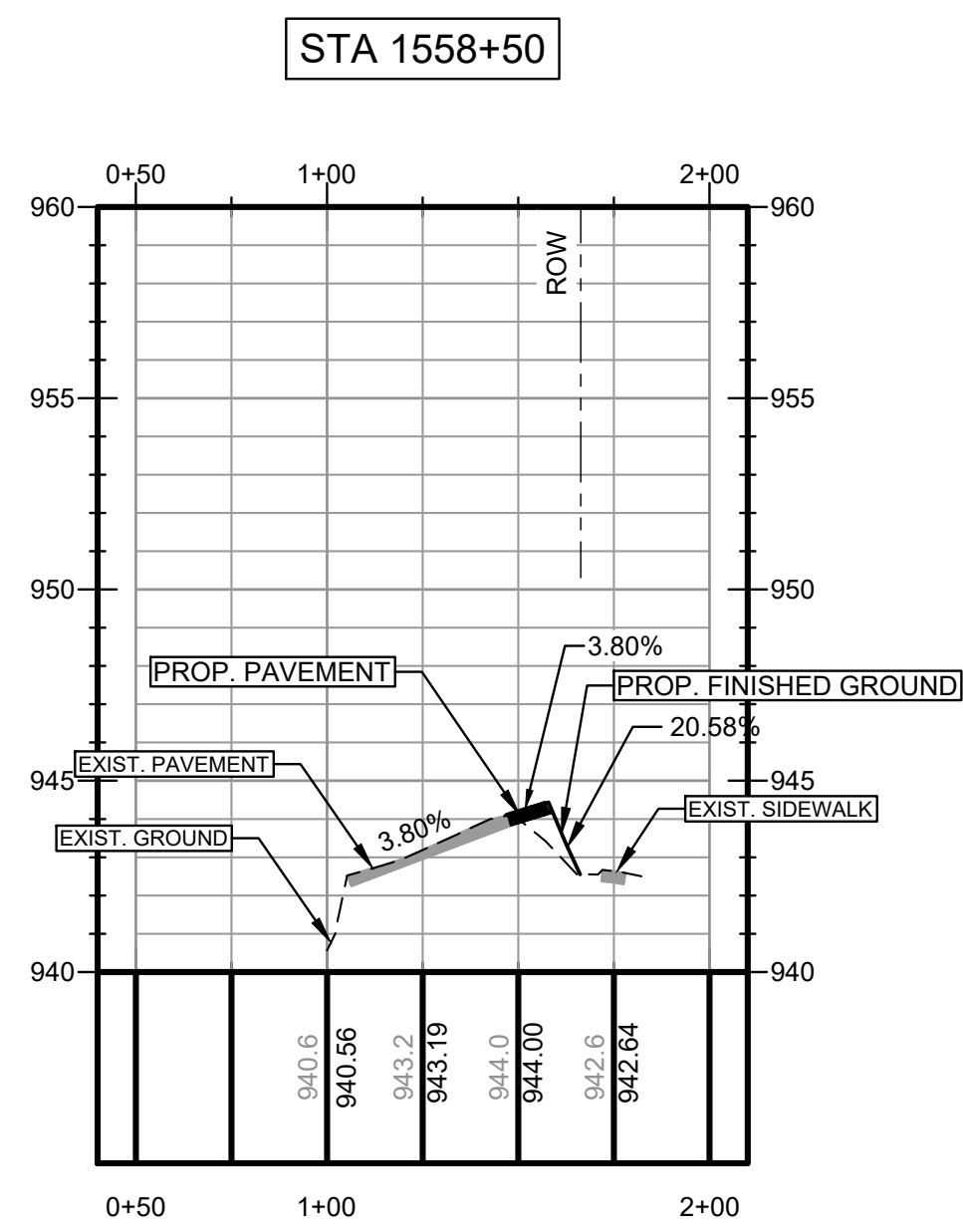
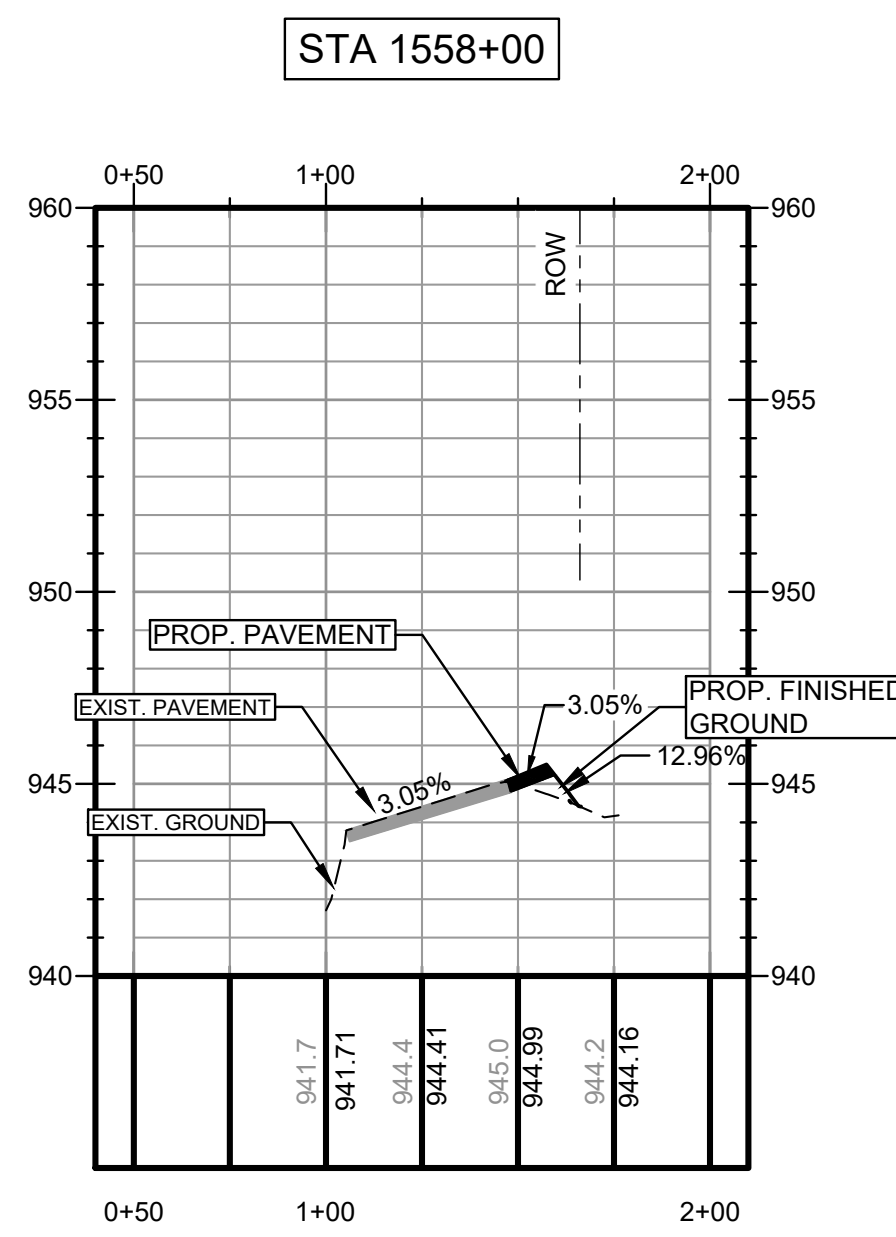
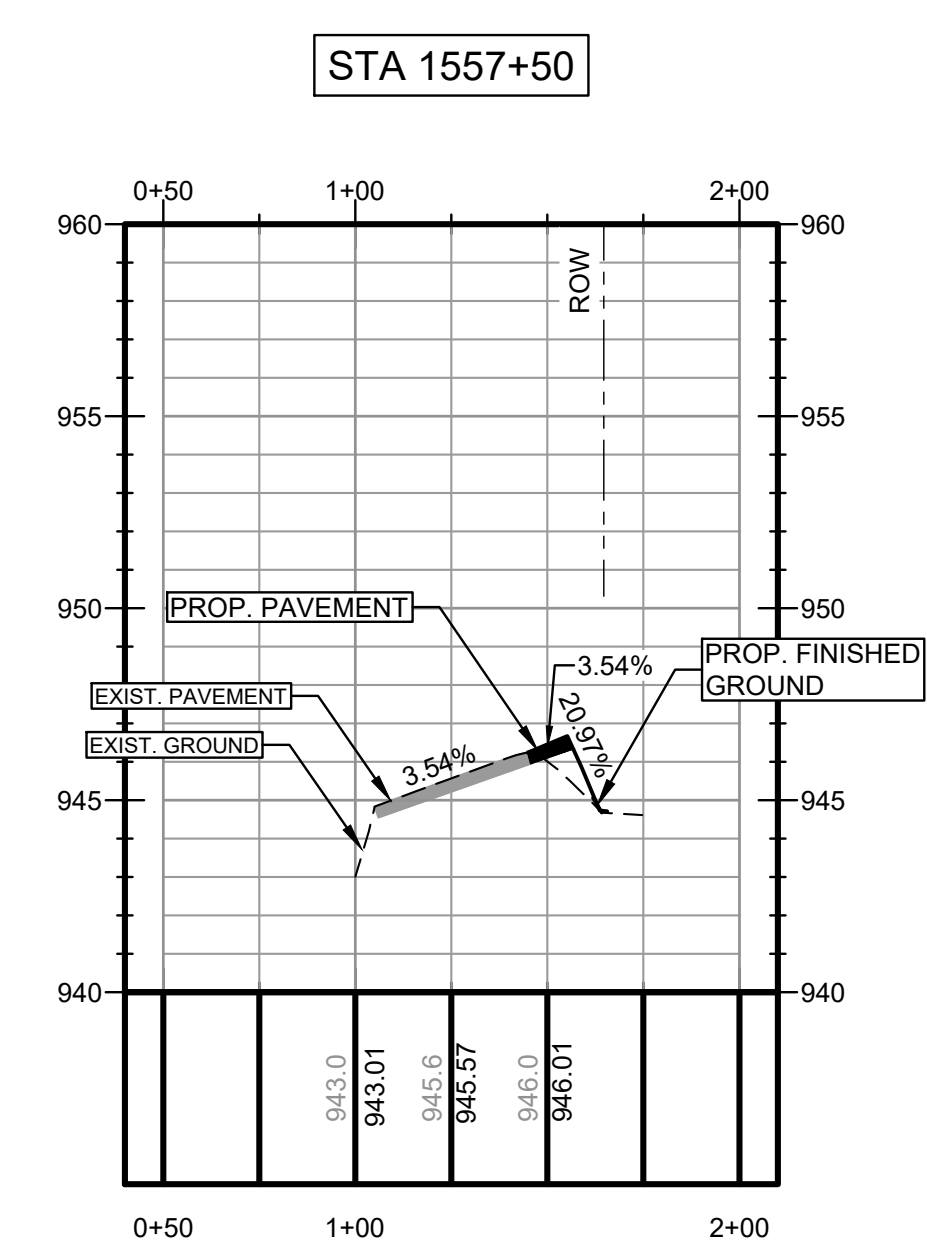
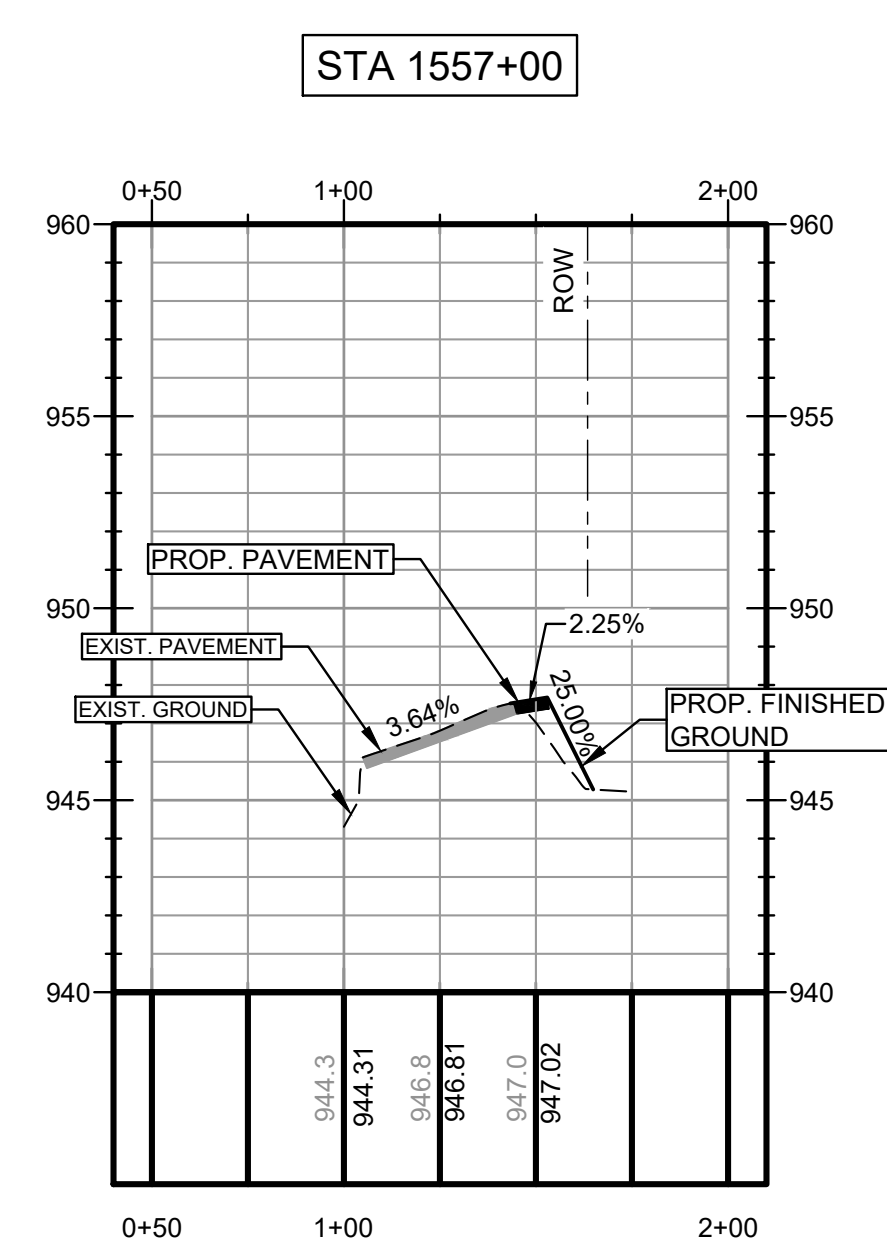
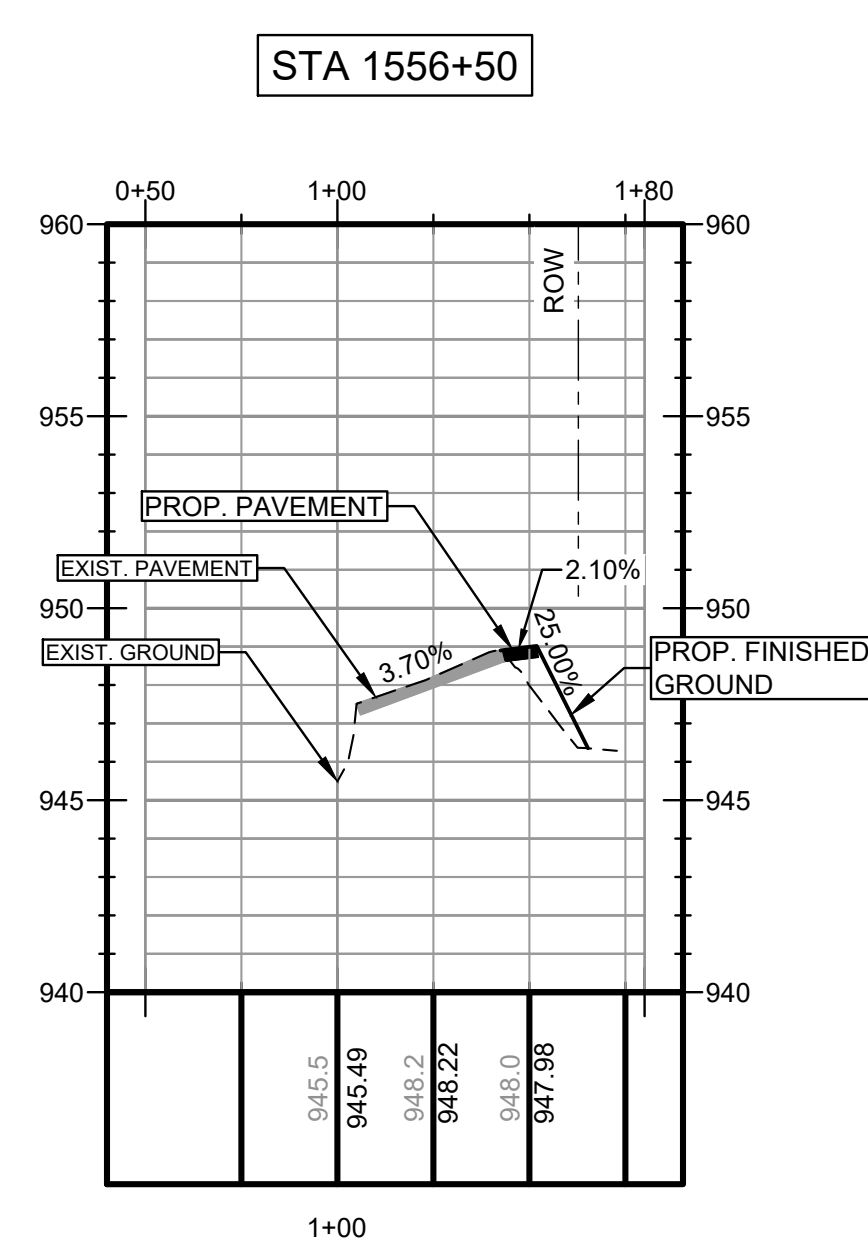
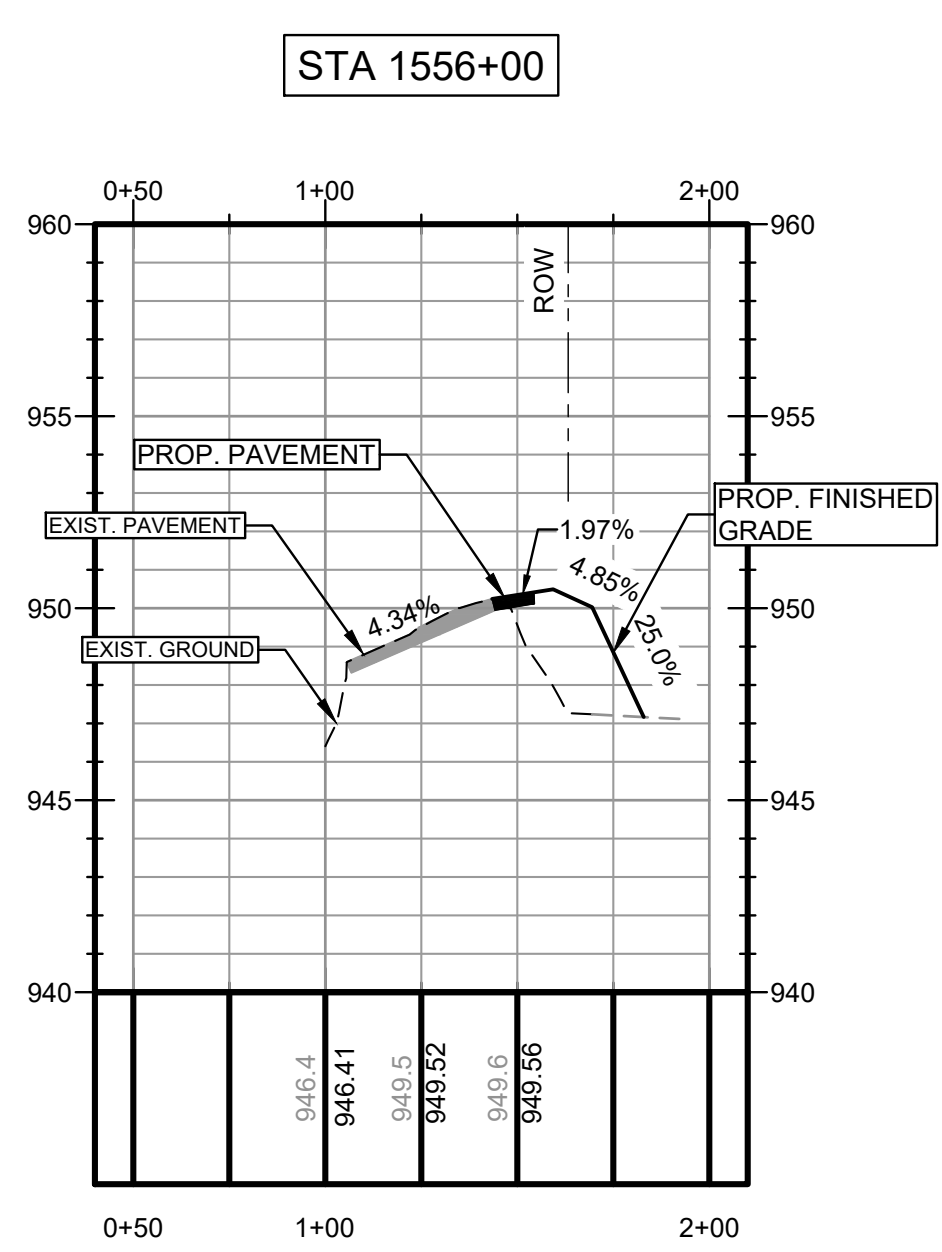
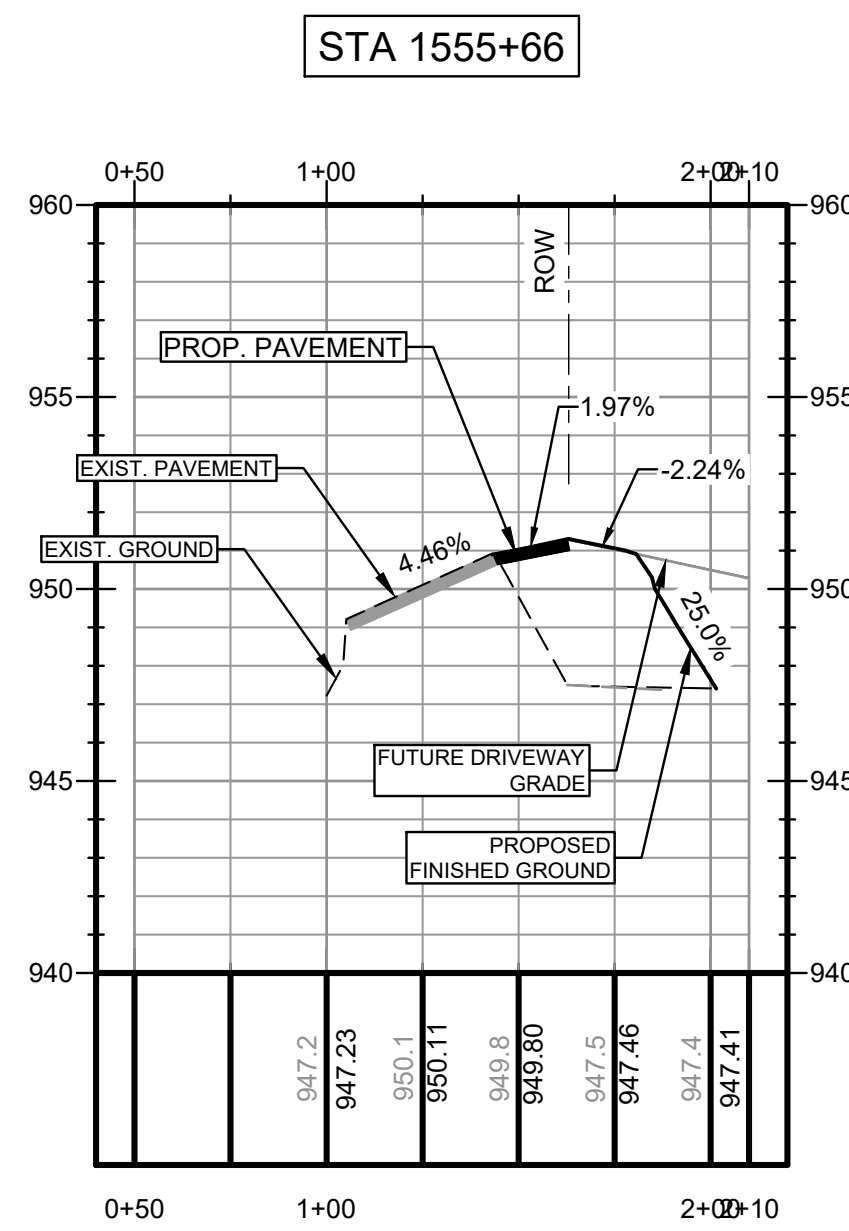


DESIGN BY: JSK  
 CHECKED BY: MV  
 APPROVED BY: DB  
 DATE: 12/22/23

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NOTE:  
EXISTING UTILITY LOCATIONS TAKEN FROM RECORD DRAWING, SURFACE SURVEY AND THE BEST INFORMATION AVAILABLE. CONTRACTOR TO FIELD VERIFY ALL UTILITIES PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.

**WARNING !!!!**

CONTRACTOR TO FIELD VERIFY ALL EXIST. UTILITIES VERTICALLY AND HORIZONTALLY PRIOR TO CONSTRUCTION.

ALL RESPONSIBILITY FOR THE ADEQUACY OF THESE PLANS REMAINS WITH THE ENGINEER WHO PREPARED THEM.

CITY OF CEDAR PARK IN REVIEWING THESE PLANS, MUST RELY UPON THE ADEQUACY OF THE WORK OF THE DESIGN ENGINEER.

SCALE:  
1" = 50' HORIZ.  
1" = 5' VERT.

PROFILE LEGEND:  
—— PROPOSED GND  
- - - - EXIST GND

NEW HOPE CORPORATE PARK 183A TURN LANE  
CEDAR PARK, TEXAS  
PAVEMENT CROSS SECTIONS

**MALONE WHEELER**  
SINCE 1995  
CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
5113 Southwest Pkwy, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786

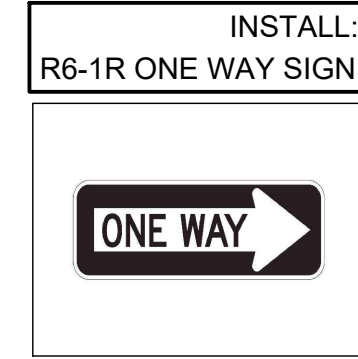
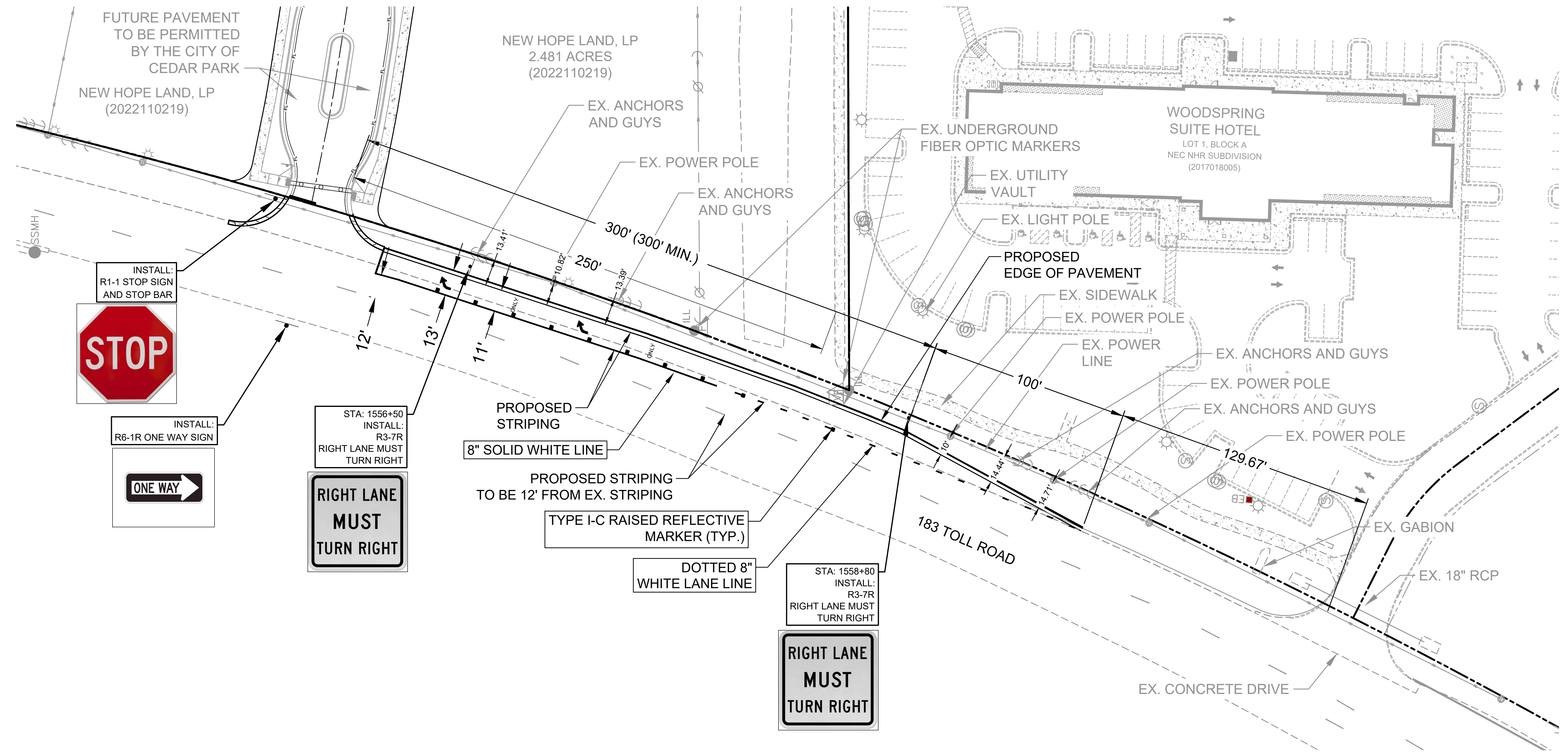


DESIGN BY: JSK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 12/22/23

SHEET 10  
OF 26

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PROPOSED STRIPING  
8" SOLID WHITE LINE

PROPOSED STRIPING  
TO BE 12' FROM EX. STRIPING

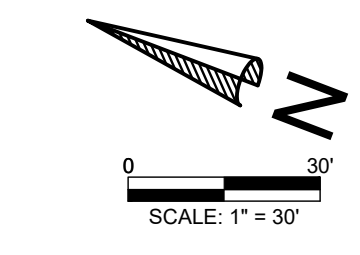
TYPE I-C RAISED REFLECTIVE MARKER (TYP.)

DOTTED 8" WHITE LANE LINE



**NOTES:**

1. PAVEMENT MARKINGS SHALL BE PER TXDOT STANDARDS.
2. RAISED PAVEMENT MARKERS SHALL BE PER TXDOT STANDARDS.
3. ALL SIGNING AND STRIPING SHALL BE PER TEXAS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
4. PAVEMENT MARKINGS SHALL BE REMOVED BY WATERBLASTING OR OTHER MEANS THAT ARE NON-DESTRUCTIVE TO THE PAVEMENT AND MINIMIZE GHOSTING EFFECTS.



**LEGEND**

	STREET / STOP SIGN
	TRAFFIC CONTROL ARROW
	TURN LANE ARROWS
	PROPERTY BOUNDARY
	PROP. ROAD CL

NO.	DATE	REVISION	BY

NEW HOPE CORPORATE PARK 183A TURN LANE  
CEDAR PARK, TEXAS

**SIGNAGE AND STRIPING PLAN**

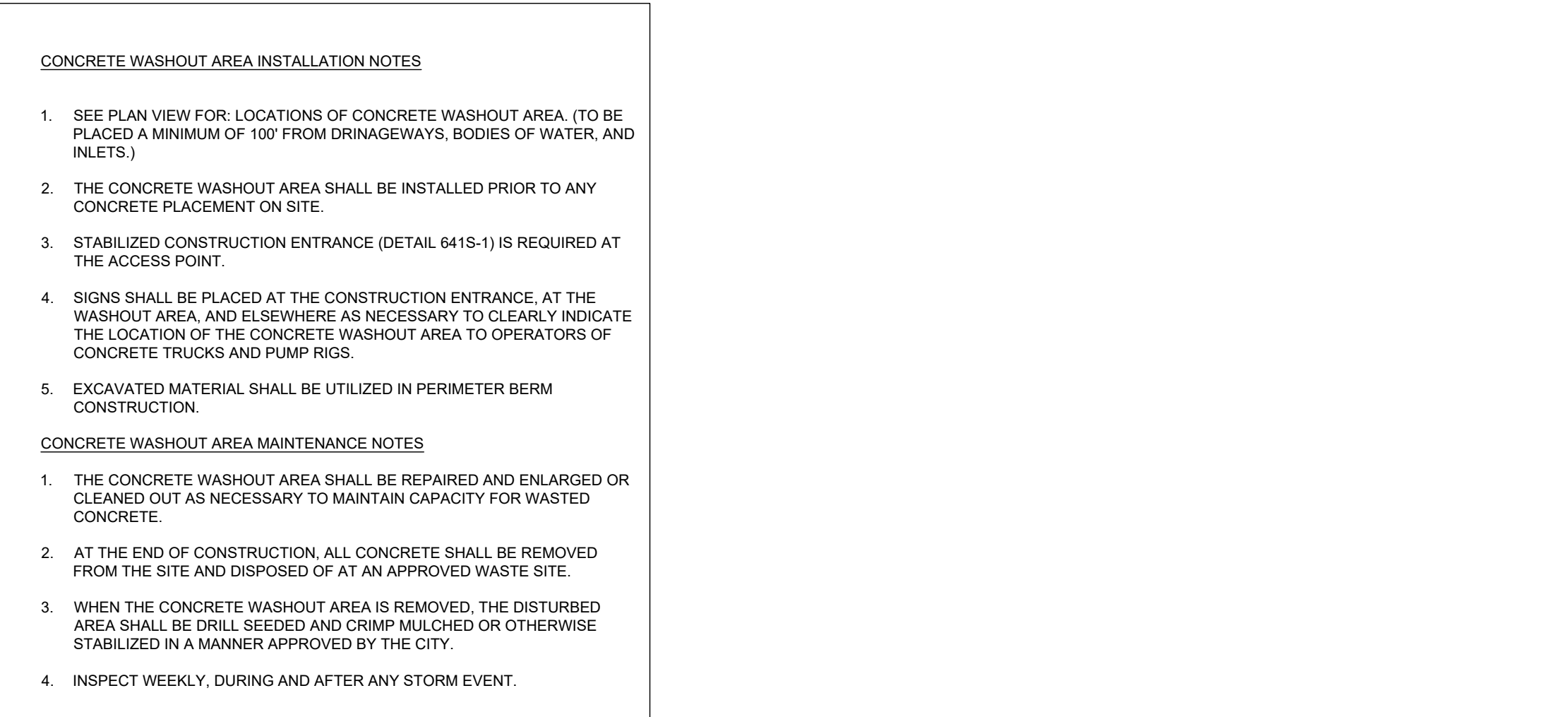
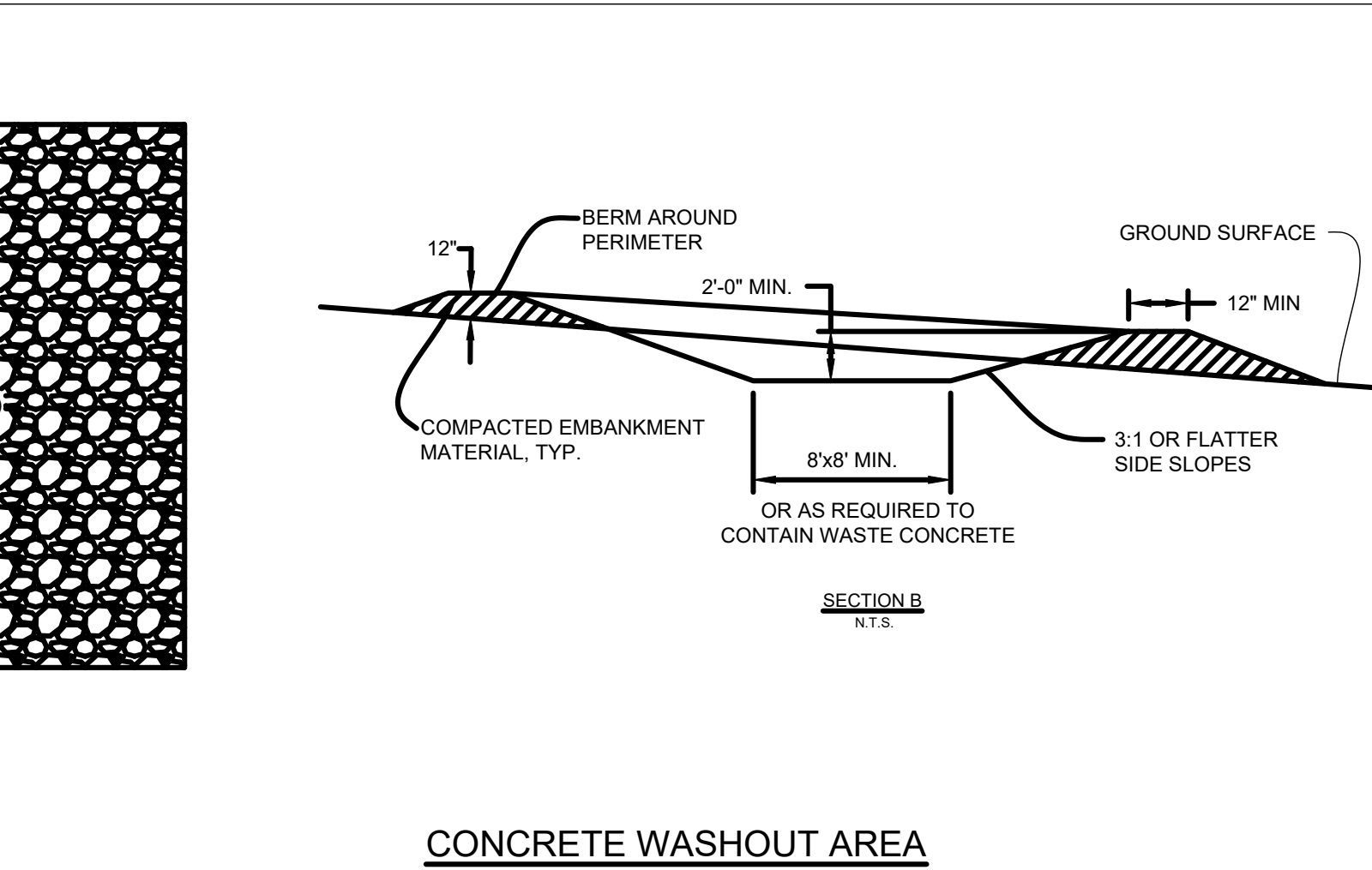
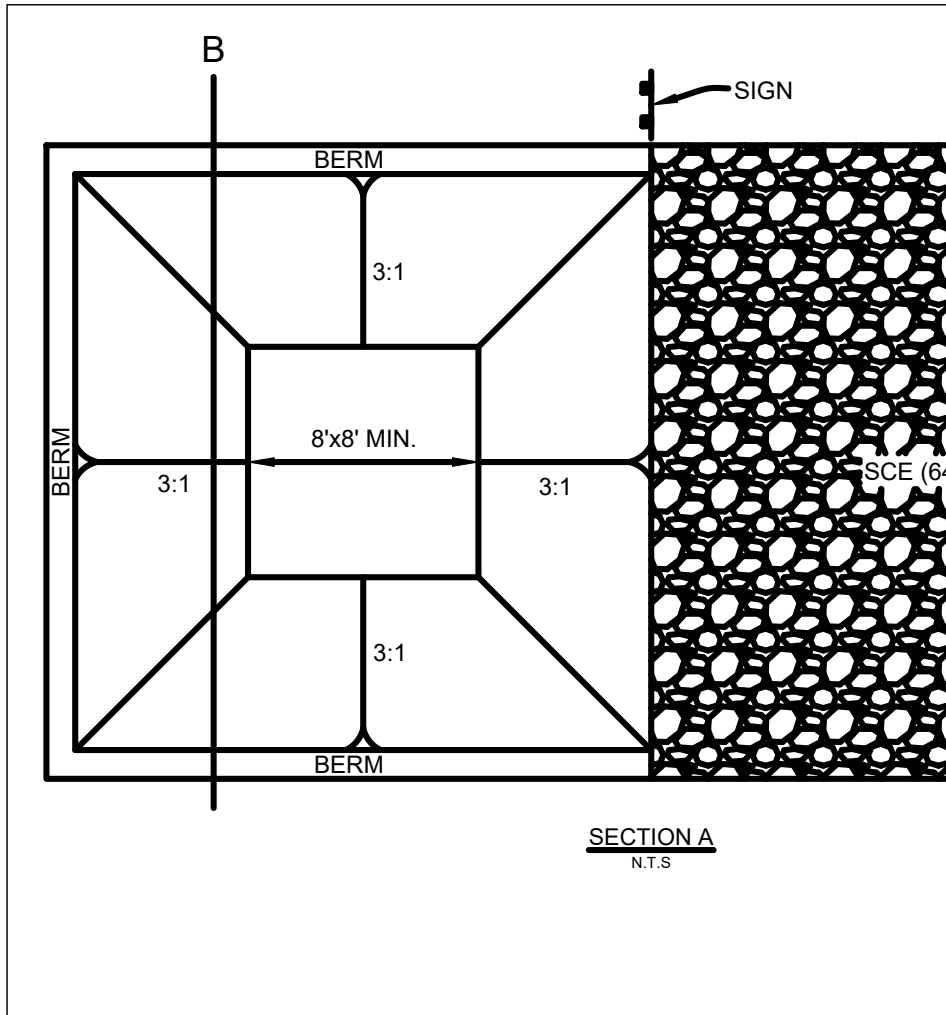
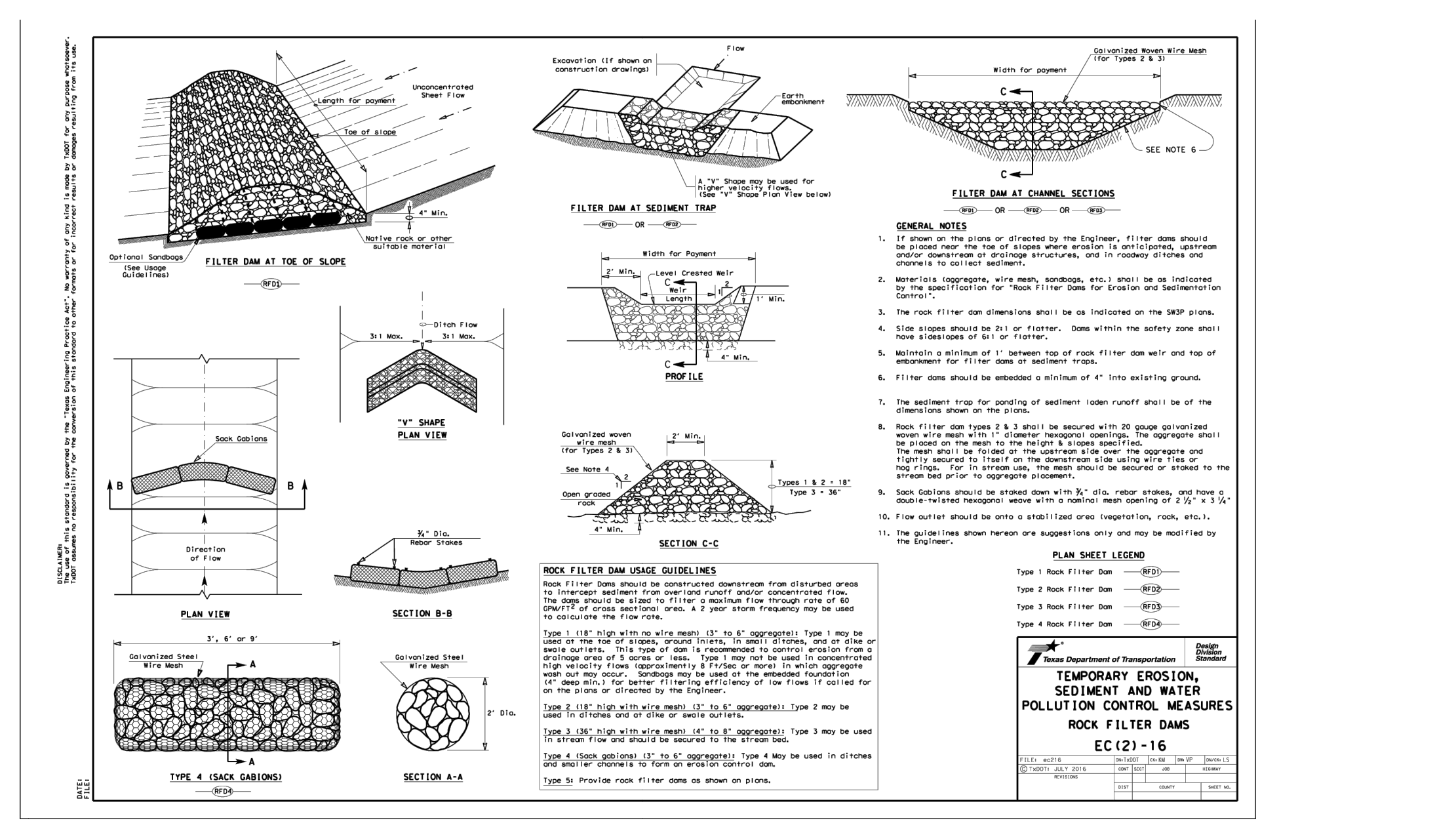
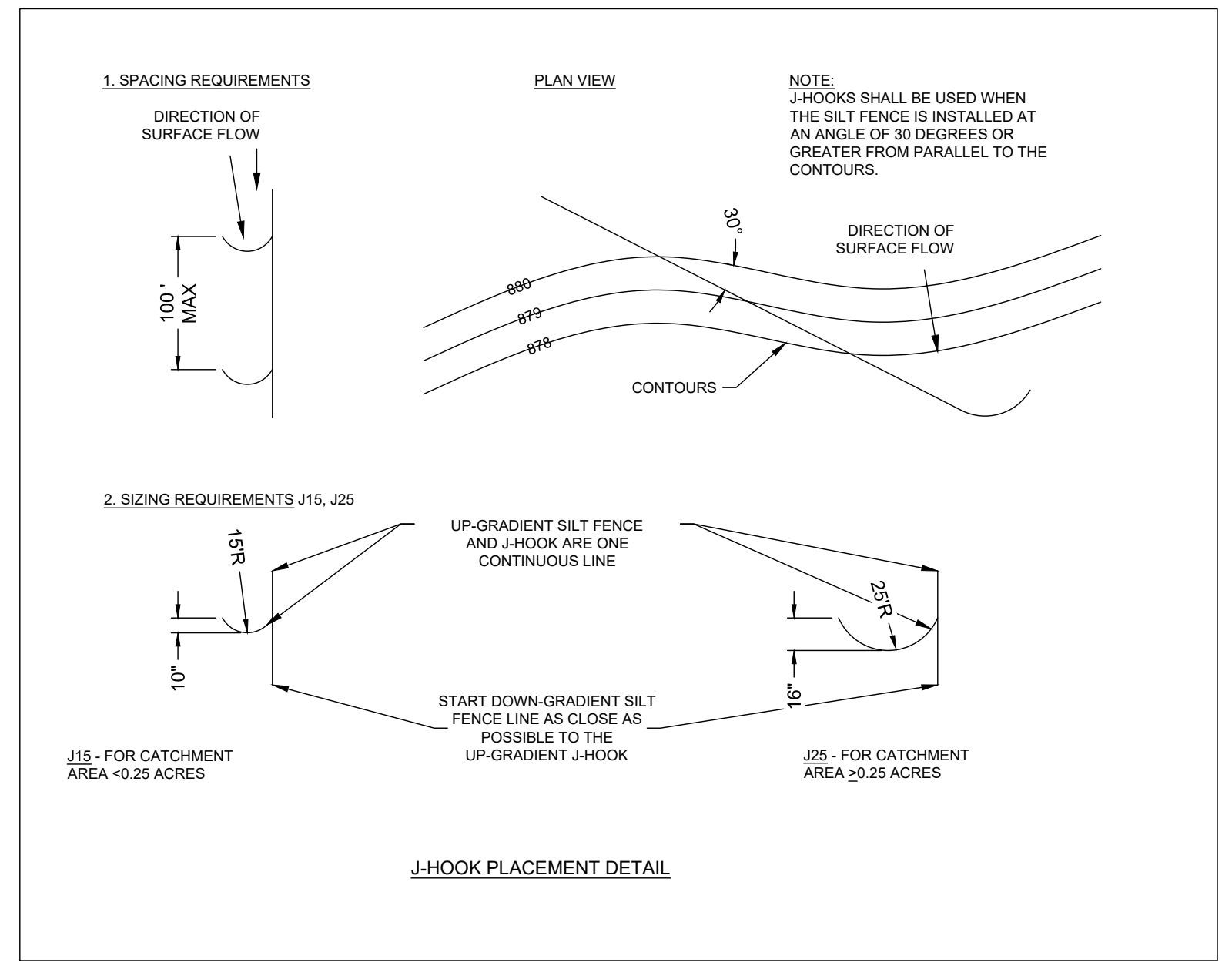
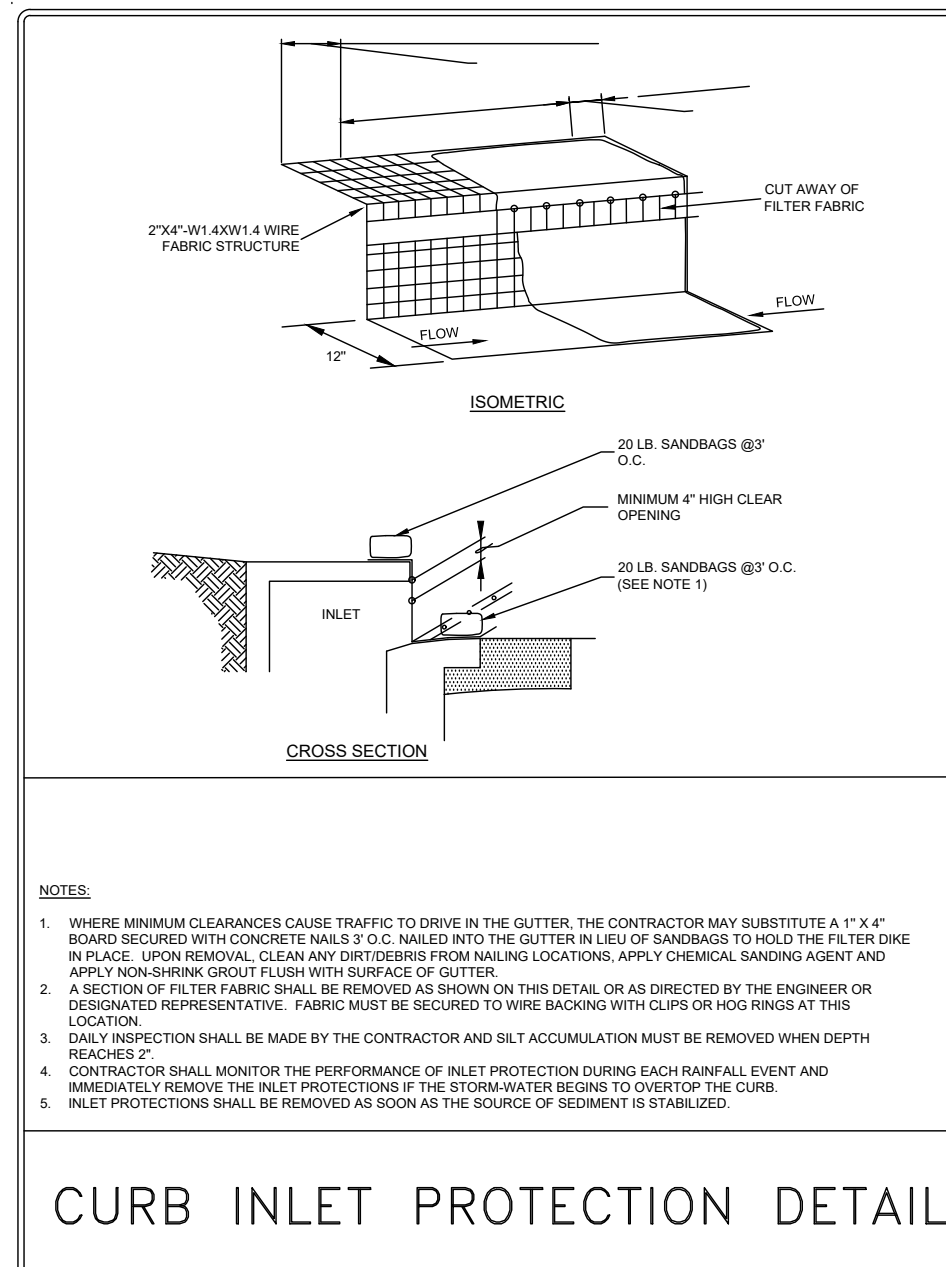
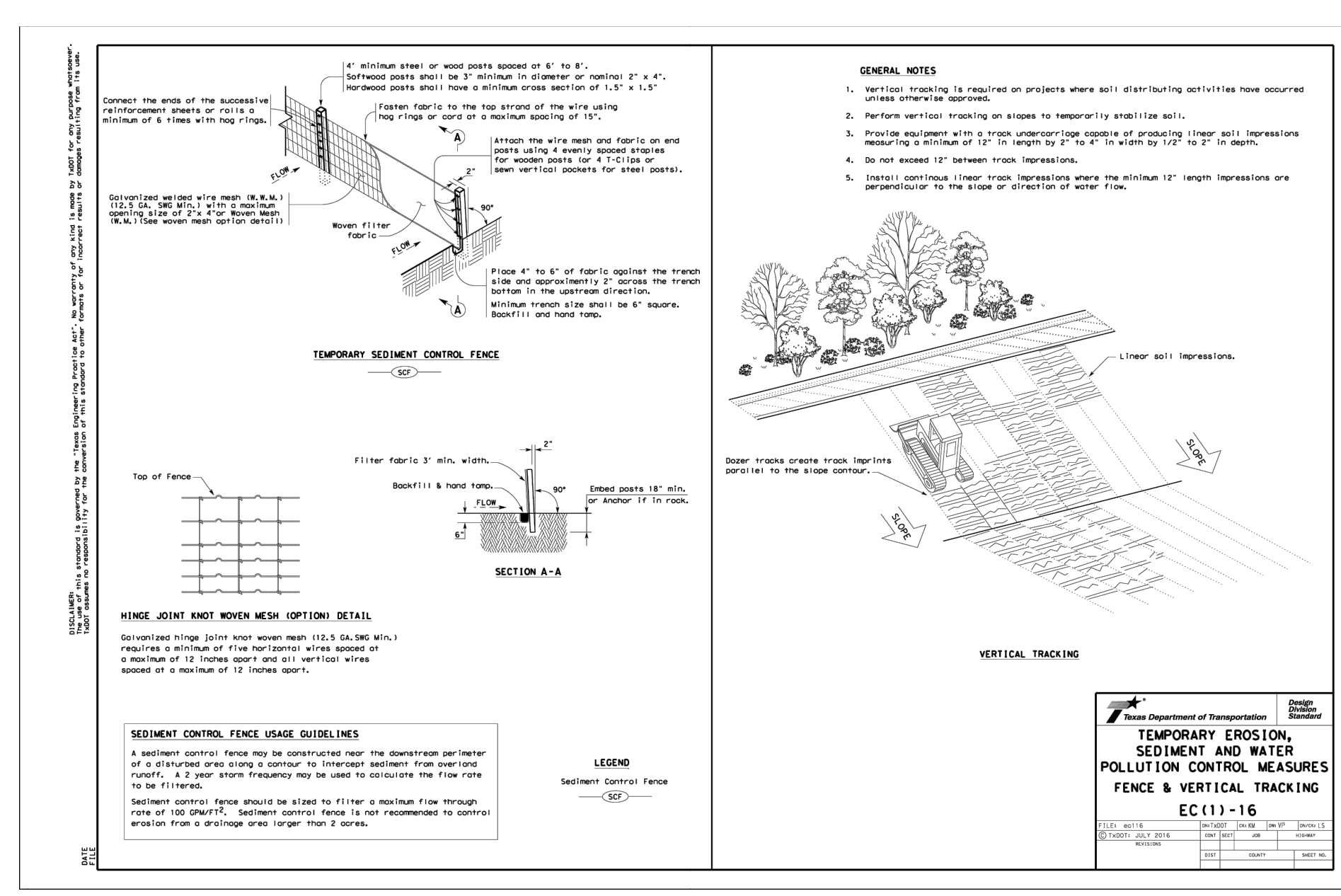
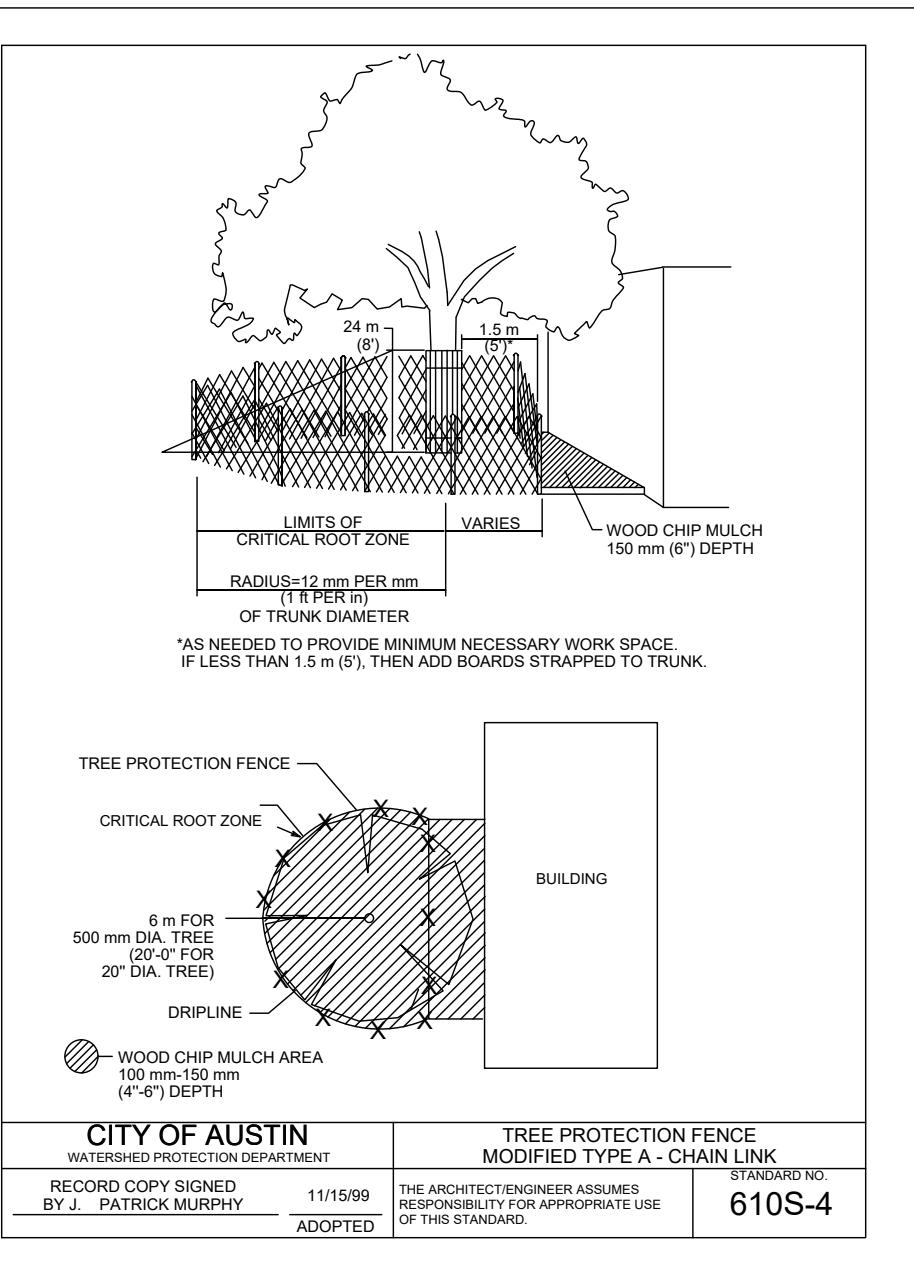
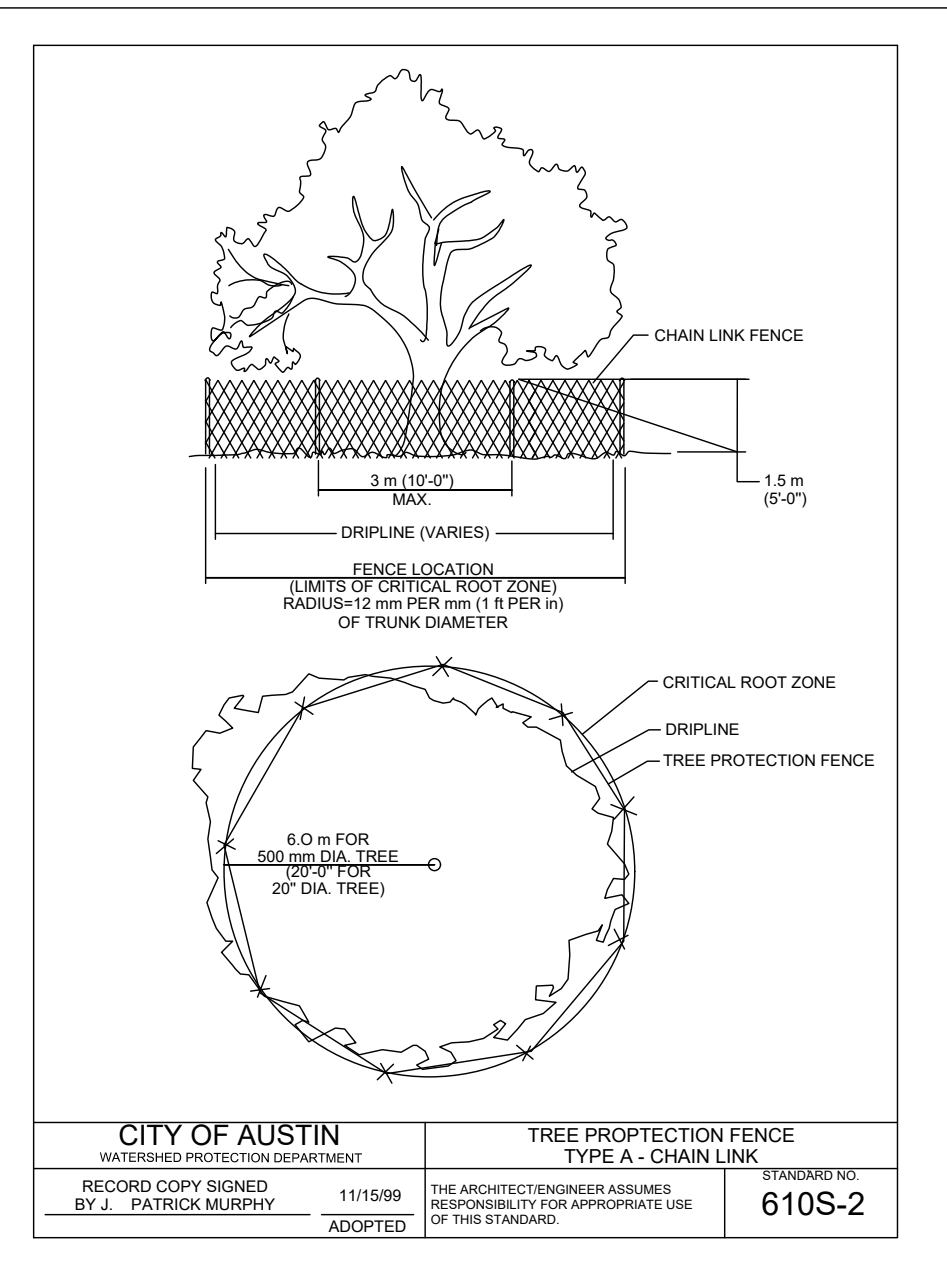
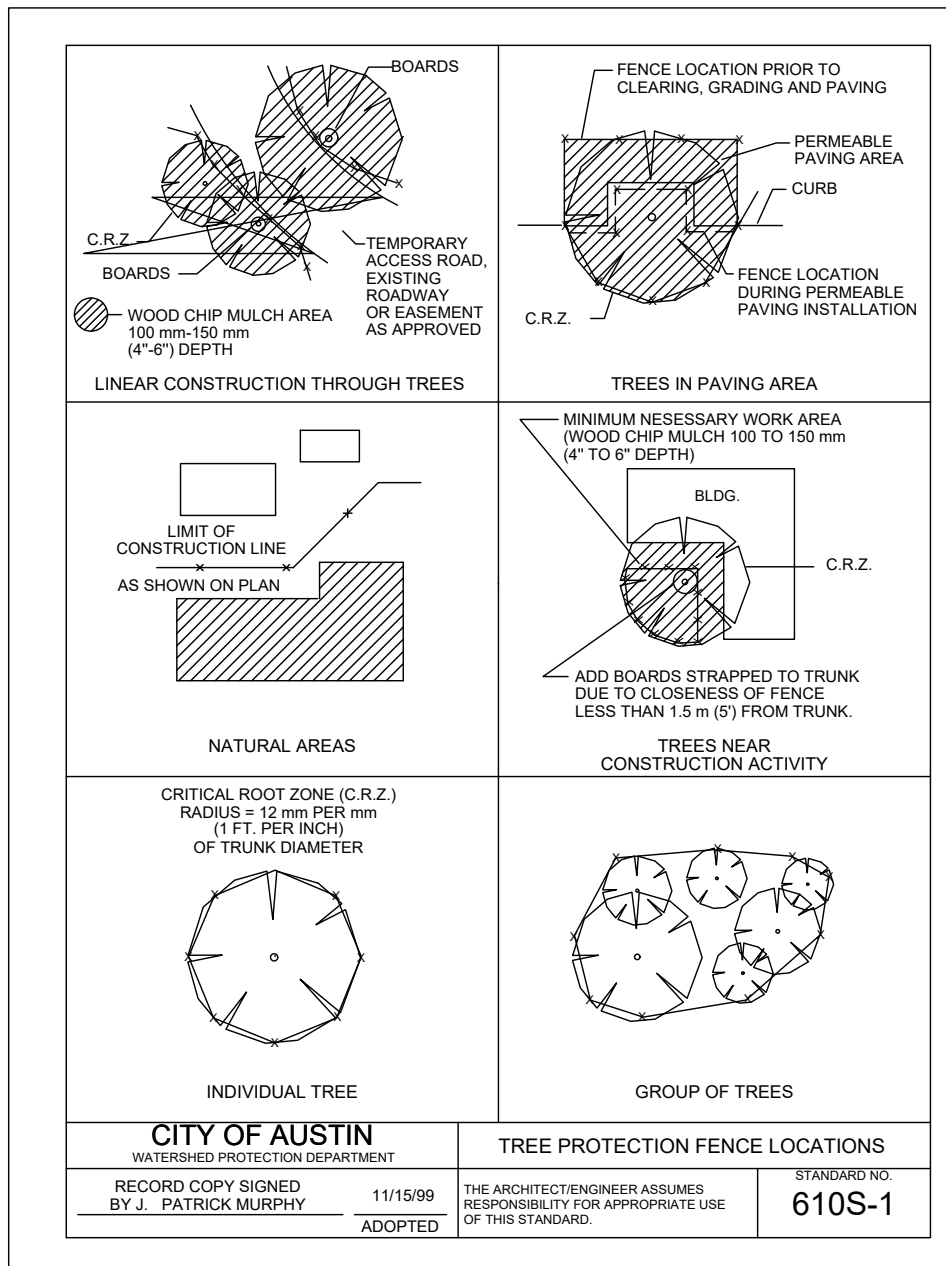
**MALONE WHEELER**  
SINCE INC. 1995

CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
5113 Southwest Pkwy, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786



DESIGN BY: JSK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 12/22/23

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BY: \_\_\_\_\_

REVISION: \_\_\_\_\_

DATE: \_\_\_\_\_

NO. \_\_\_\_\_

NEW HOPE CORPORATE PARK 183A TURN LANE  
CEDAR PARK, TEXAS

EROSION & SEDIMENTATION CONTROL DETAILS

**MALONE WHEELER**  
SINCE INC. 1975  
CIVIL ENGINEERING & DEVELOPMENT CONSULTING & PROJECT MANAGEMENT  
5113 Southwest Pkwy, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786

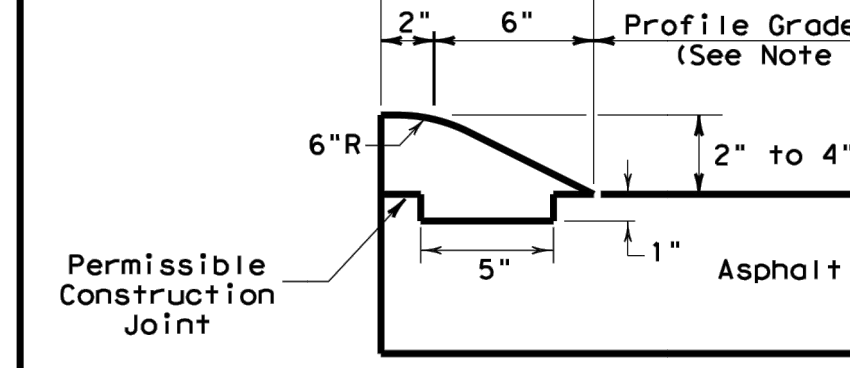
TEMPORARY EROSION, SEDIMENT AND WATER POLLUTION CONTROL MEASURES  
ROCK FILTER DAMS  
EC (2) - 16

DESIGN BY: JSK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 12/22/23

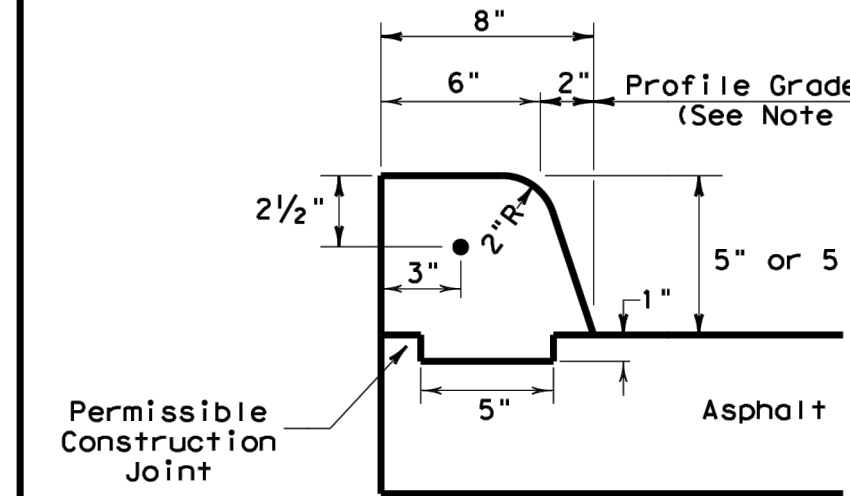
SHEET 12 OF 26

DISCLAIMER:  
The use of this standard is governed by the use of the standard. The user of this standard assumes no responsibility for the conversion of this standard to other formats or for incorrect results or changes resulting from its use.

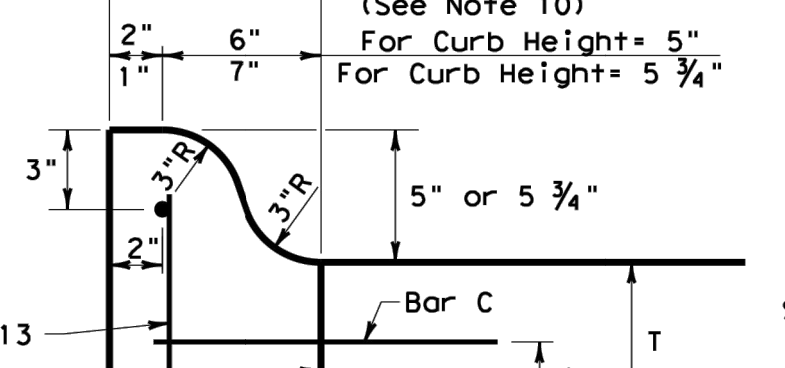
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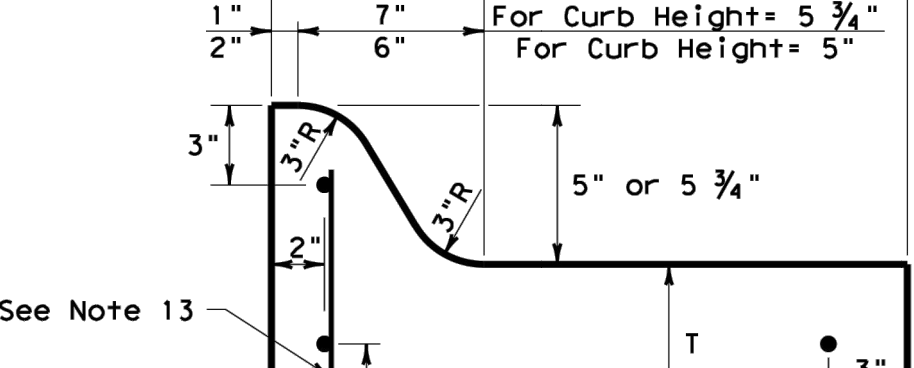
TYPE III CURB (KEYED)  
2" - 4" HEIGHT



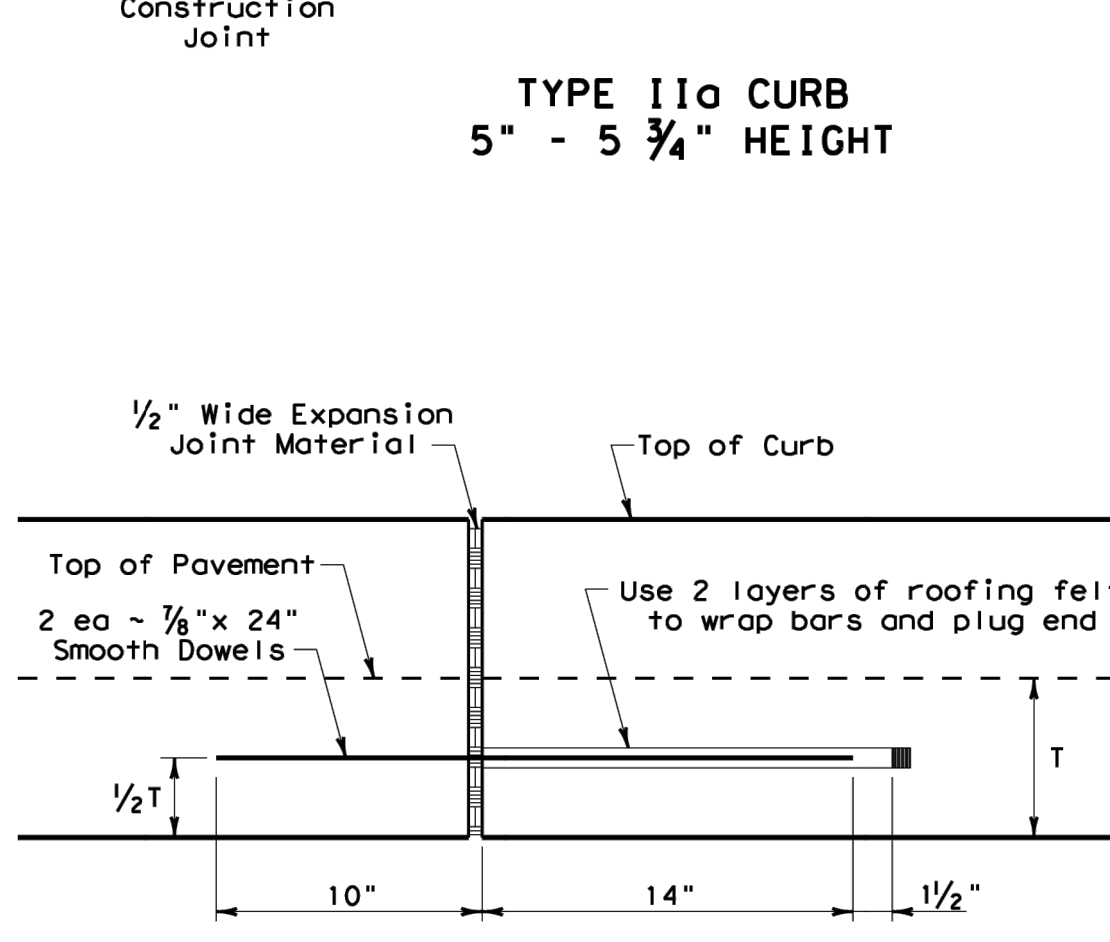
TYPE IV CURB (KEYED)  
5" - 5 3/4" HEIGHT



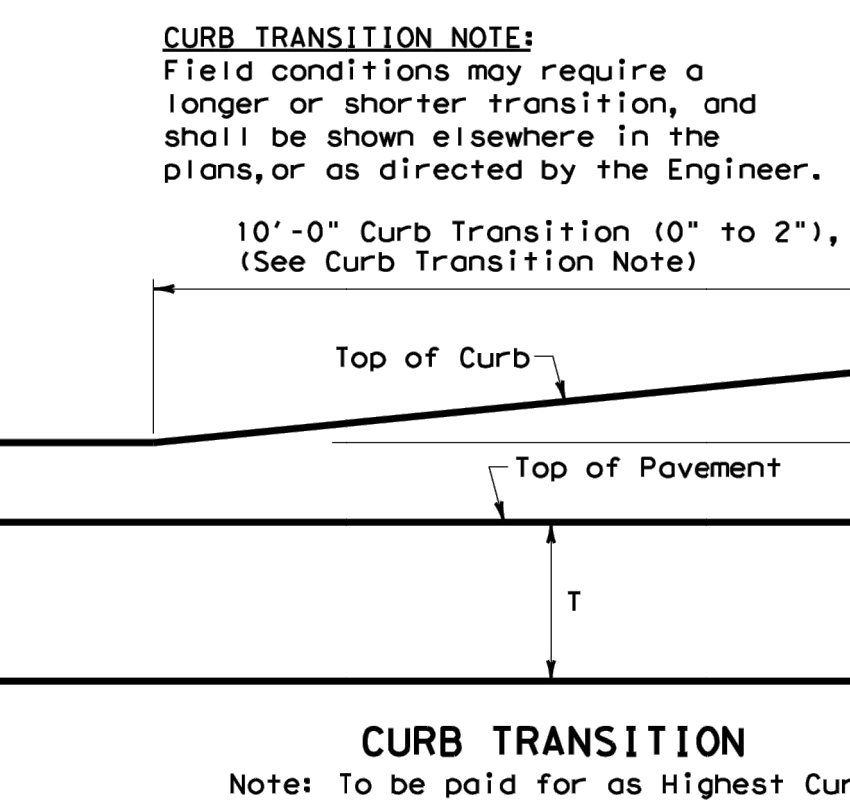
TYPE IIa CURB  
5" - 5 3/4" HEIGHT



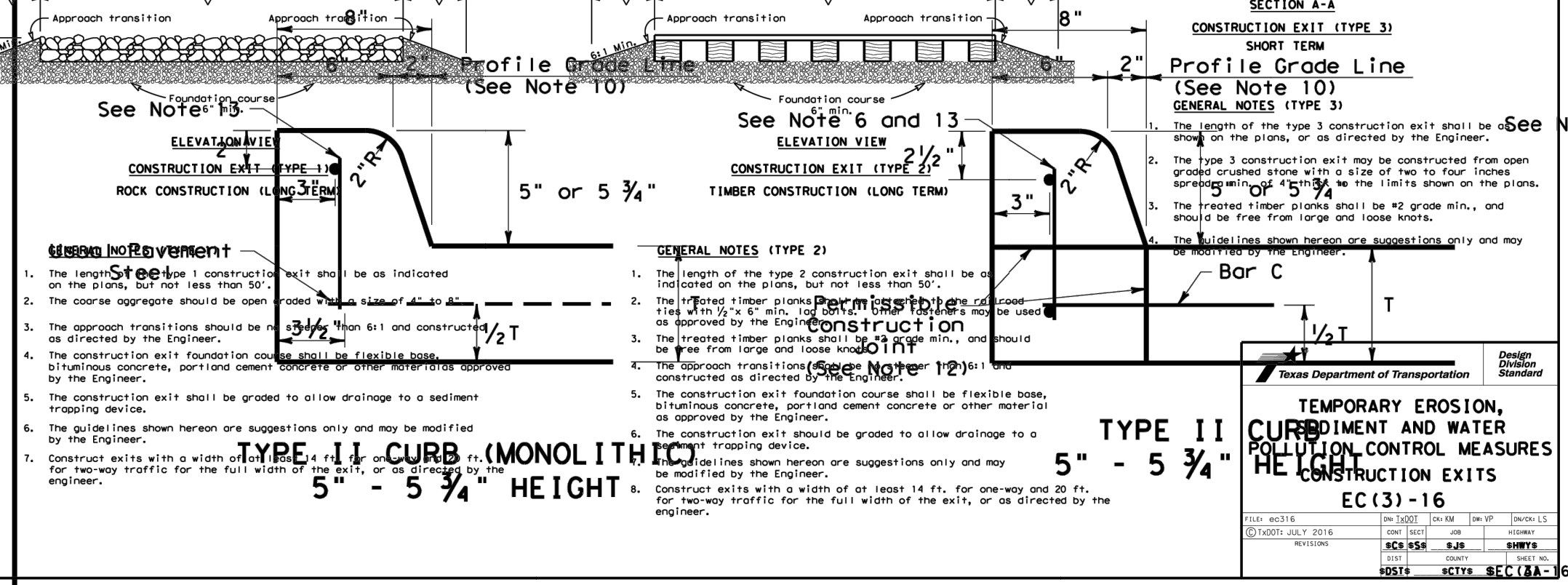
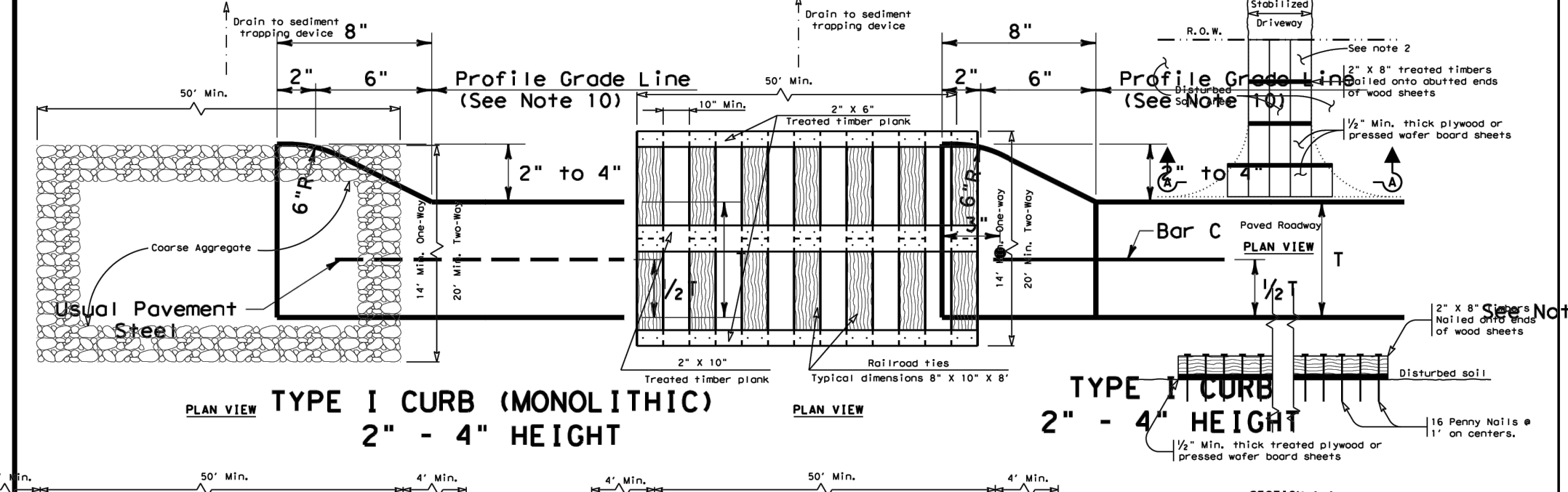
TYPE IIa CURB AND GUTTER  
5" - 5 3/4" HEIGHT



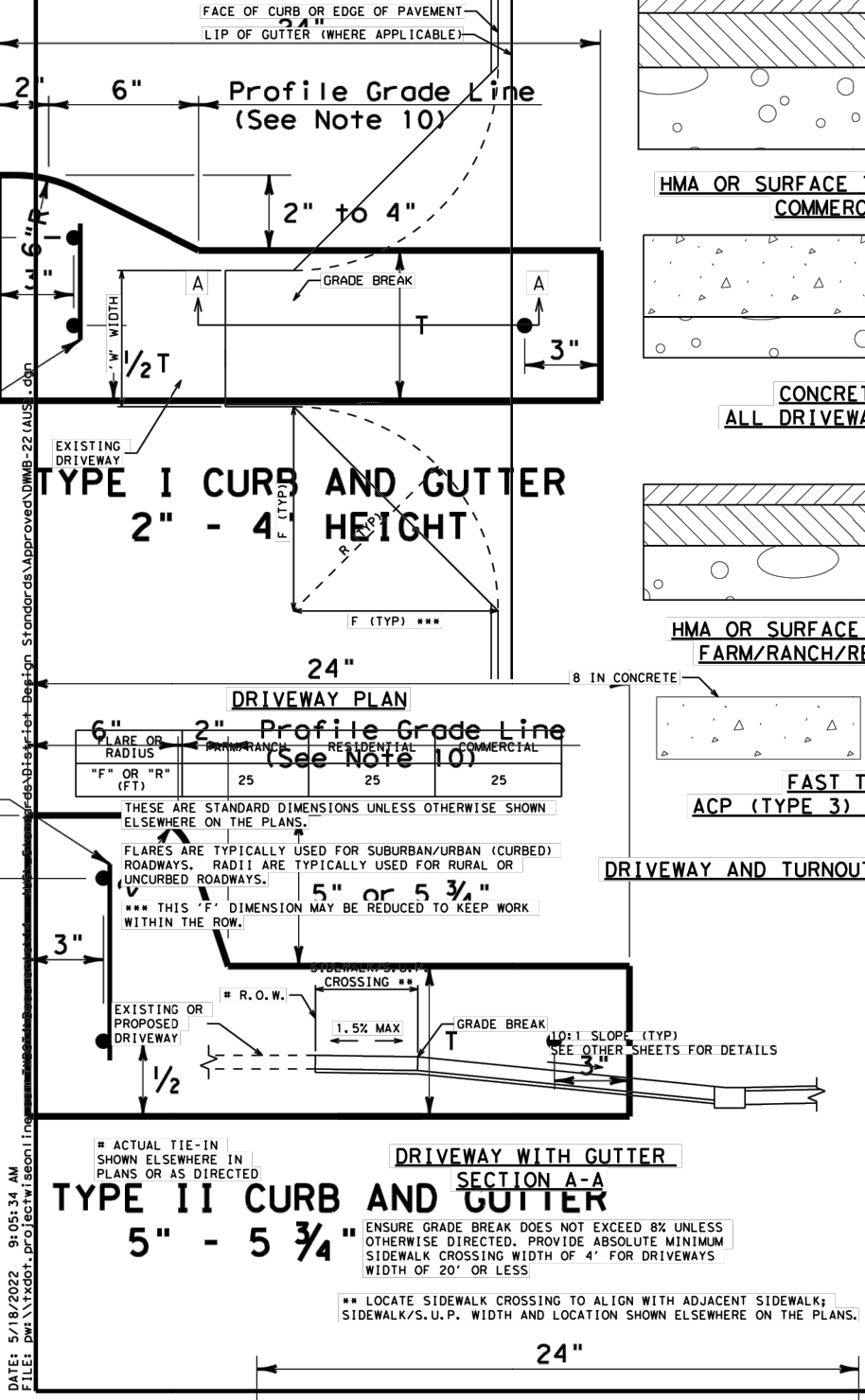
EXPANSION JOINT DETAIL



CURB TRANSITION  
Note: To be paid for as Highest Curb



GENERAL NOTES (TYPE 2)  
1. The length of the type 2 construction exit shall be as indicated on the plans, but not less than 50'.  
2. The coarse aggregate should be open graded #57 or #60.  
3. The approach transitions should be in accordance with the details shown on the plans, or as directed by the Engineer.  
4. The construction exit foundation course shall be a minimum of 4" concrete on a 4" base of compacted subgrade.  
5. The construction exit shall be graded to allow drainage to a sediment trapping device.  
6. The guidelines shown herein are suggestions only and may be modified by the Engineer.  
7. Construct exits with a width of not less than 10 ft., or as directed by the Engineer.  
8. Construct exits with a width of at least 14 ft., for one-way and 20 ft., for two-way traffic for the full width of the exit, or as directed by the Engineer.



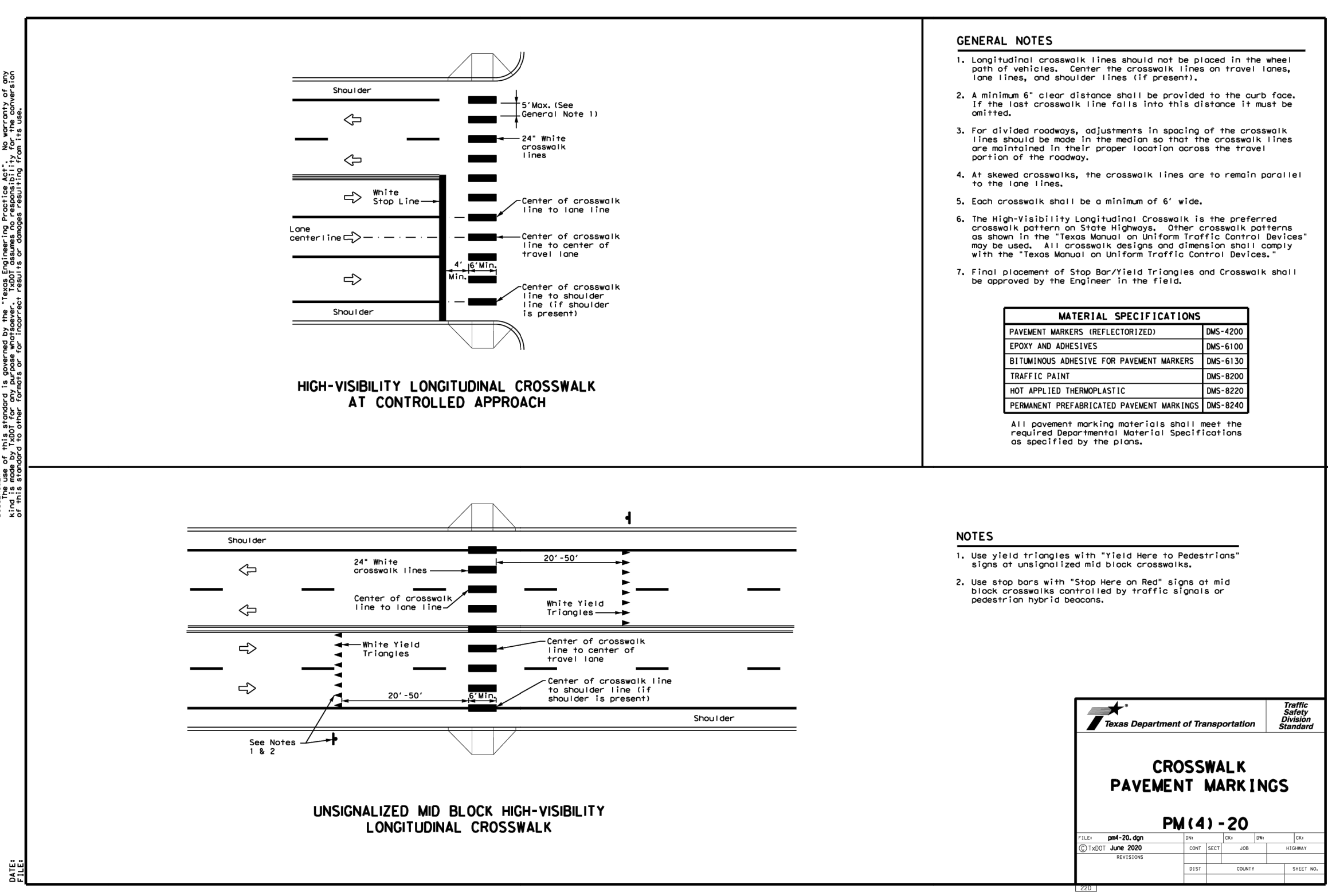
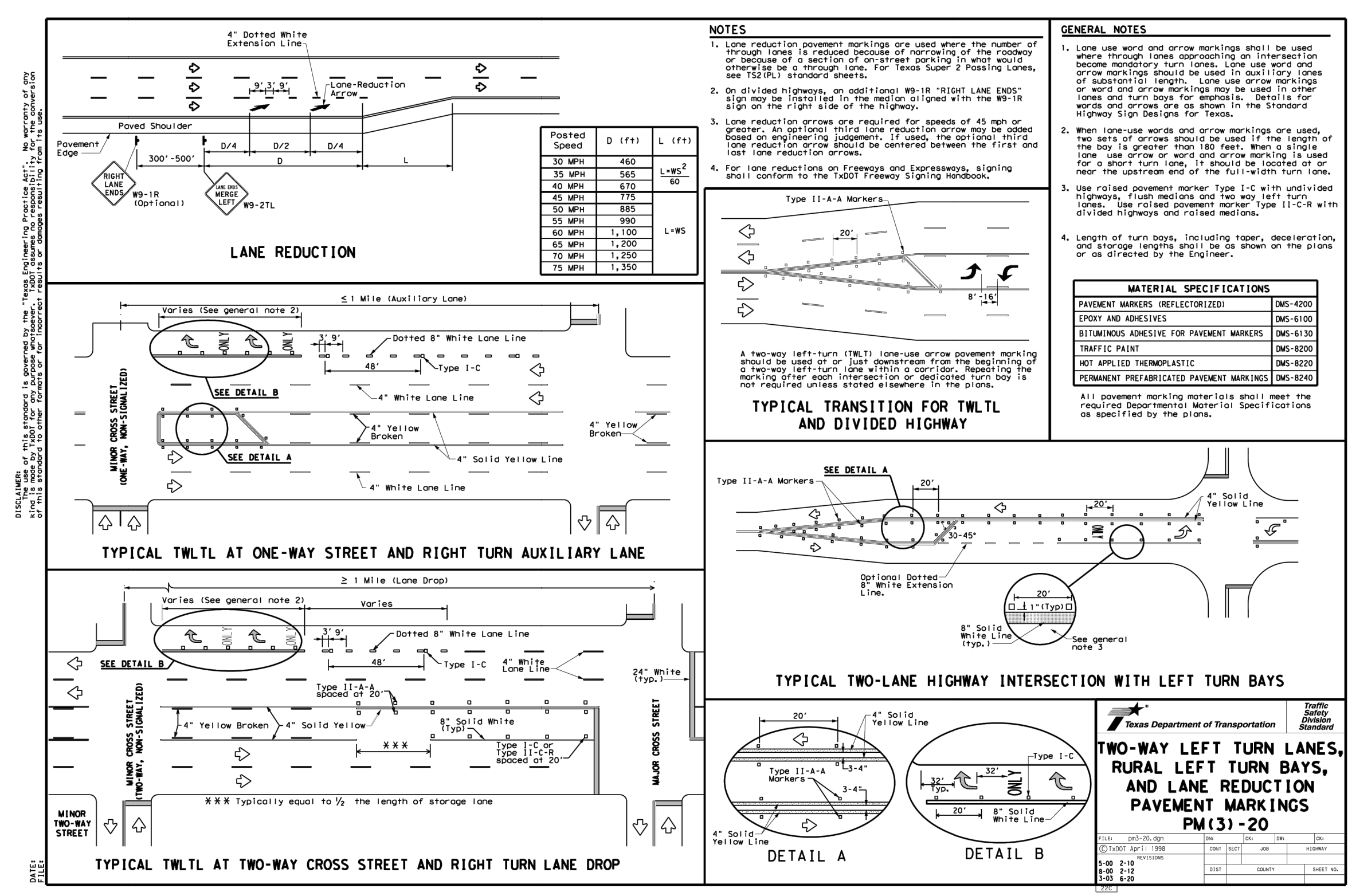
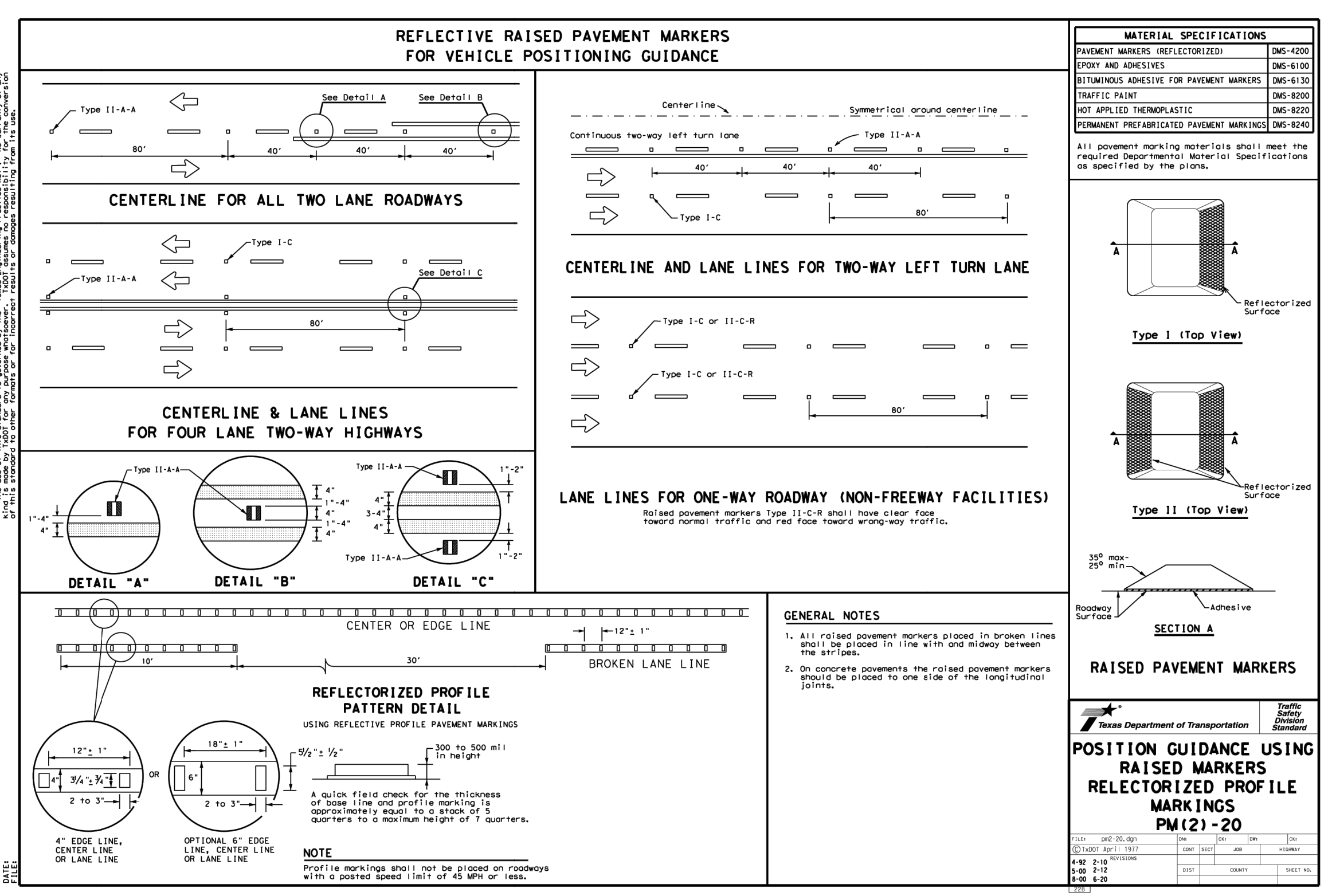
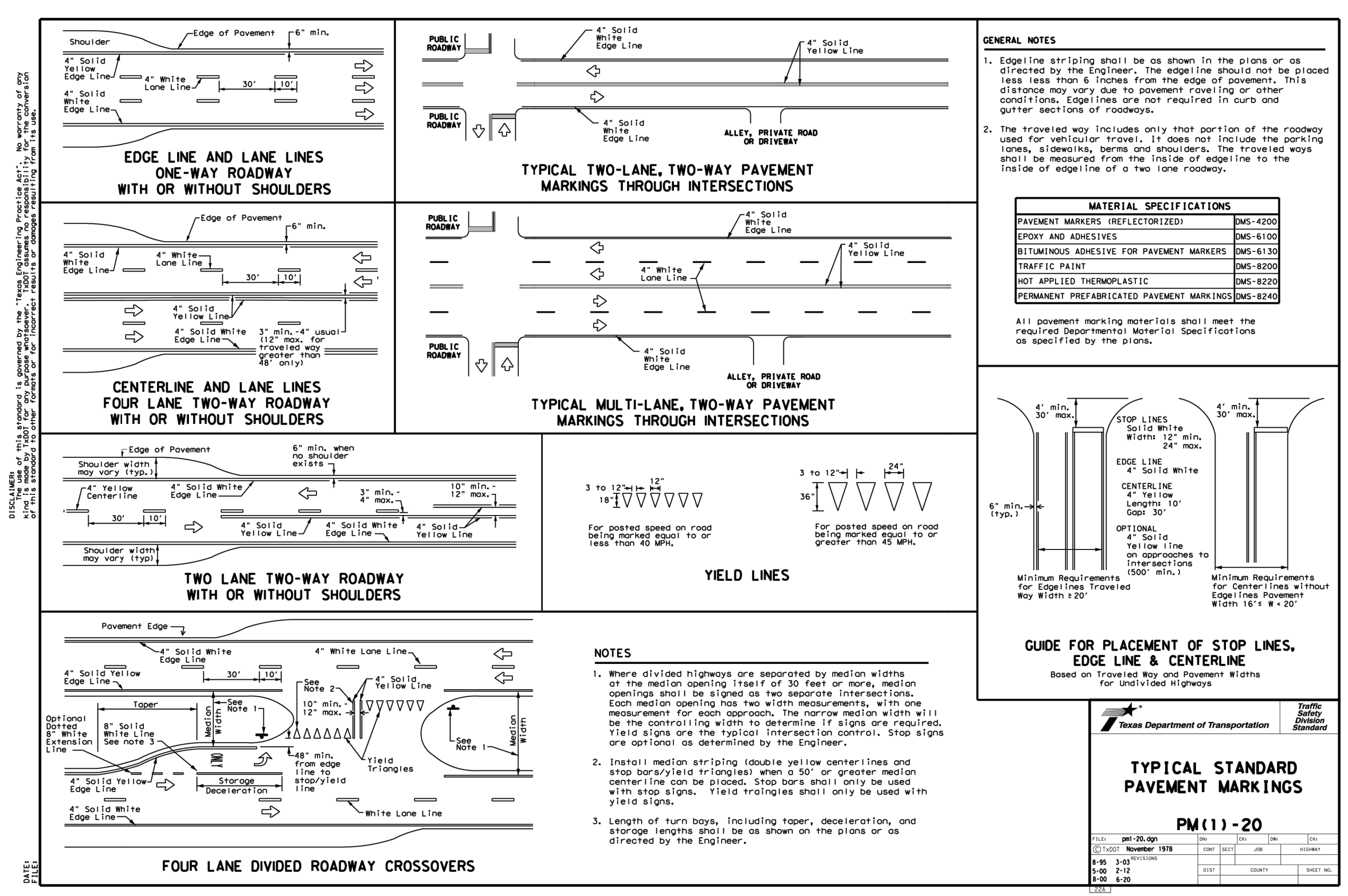
GENERAL NOTES  
1. All materials and construction shall be in accordance with Item 529, "Concrete Curb, Gutter, and Combined Curb and Gutter".  
2. Concrete shall be Class A.  
3. If reinforcing bars are used, they shall be No. 4, unless otherwise shown. The use of fiber reinforced concrete in lieu of reinforcing steel is acceptable. Use fibers meeting the requirements of DMS 4550, "Fibers for Concrete," and approved by the Engineer in accordance with Material Producers List (MPL) and approved by the Engineer.  
4. Round exposed sharp edges with a rounding tool, to a minimum radius of 1/8".  
5. All existing curbs and gutters to be removed shall be removed in accordance with Item 529. Existing curbs and gutters to be placed on existing concrete pavement, Bar B may be drilled and grouted in place, or may be inserted into fresh concrete.  
6. Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or curb and gutter is to be on a jointed concrete pavement, expansion joints shall be placed in concrete at pavement joints. Expansion joints shall be placed in concrete at pavement joints.  
7. Expansion and contraction joints shall be constructed to match pavement joints in all curbs and curb and gutter adjacent to jointed concrete pavement. Where placement of curb or curb and gutter is to be on a jointed concrete pavement, expansion joints shall be placed in concrete at pavement joints. Expansion joints shall be placed in concrete at pavement joints.  
8. Vertical and horizontal dowel bars and transverse expansion joints shall be placed in concrete at pavement joints. Expansion joints shall be placed in concrete at pavement joints.  
9. One-half inch expansion joint material shall be provided where curb or curb and gutter is adjacent to sidewalk or riprap.  
10. When horizontal permissible construction joints are used, the longitudinal pavement steel shall be placed in accordance with pavement details shown elsewhere in the plans. Reinforcing steel for curb section shall then conform to that required for concrete curb.  
11. Bar B placement as needed (typically at four ft. C-C) to support curb reinforcing steel during concrete placement.

NO.	DATE	REVISION

NEW HOPE CORPORATE PARK 183A TURN LANE  
CEDAR PARK, TEXAS  
PAVEMENT DETAILS

MALONE WHEELER INC. 1995  
CIVIL ENGINEERING & DEVELOPMENT CONSULTING & PROJECT MANAGEMENT  
5113 Southwest Plaza, Suite 240  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786

STATE OF TEXAS  
DANIEL BROWN  
58337  
DESIGN BY: JSK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 12/22/23



F:\THOMPSON - CEDAR PARK\PROJECTS\22-066\NEWHOPE\_WEST\DRAWINGS\ANSETWEST PHASE 183A TURN LANE\19 PAVEMENT DETAILS.DWG, 3/8/2024, EDUARDO

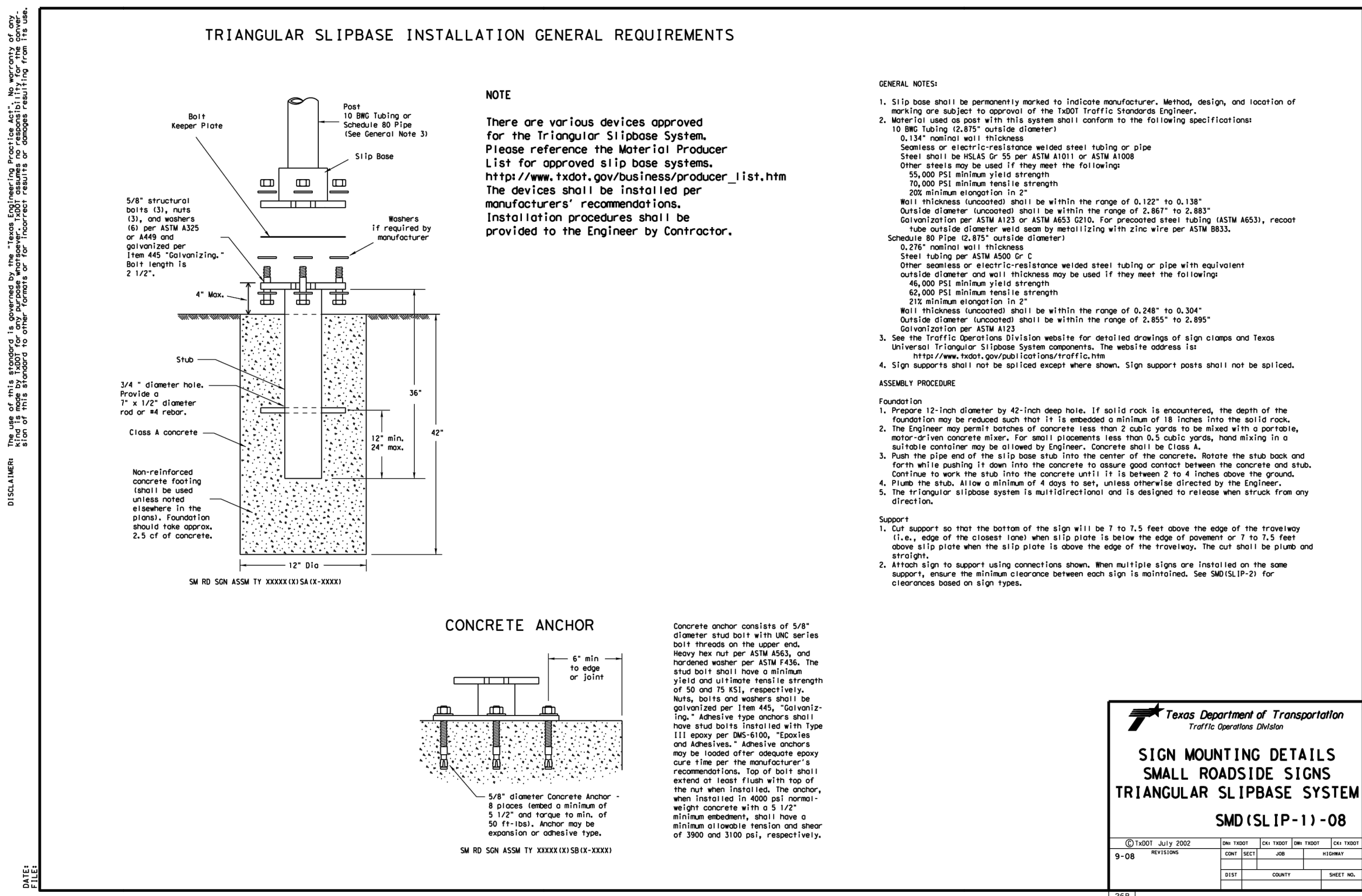
NEW HOPE CORPORATE PARK 183A TURN LANE  
CEDAR PARK, TEXAS  
TXDOT DETAILS 1

**MALONE WHEELER**  
SINCE INC. 1976  
CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
5113 Southwest Plaza, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786

DESIGN BY: JSK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 12/22/23

SHEET 14 OF 26

TRIANGULAR SLIPBASE INSTALLATION GENERAL REQUIREMENTS



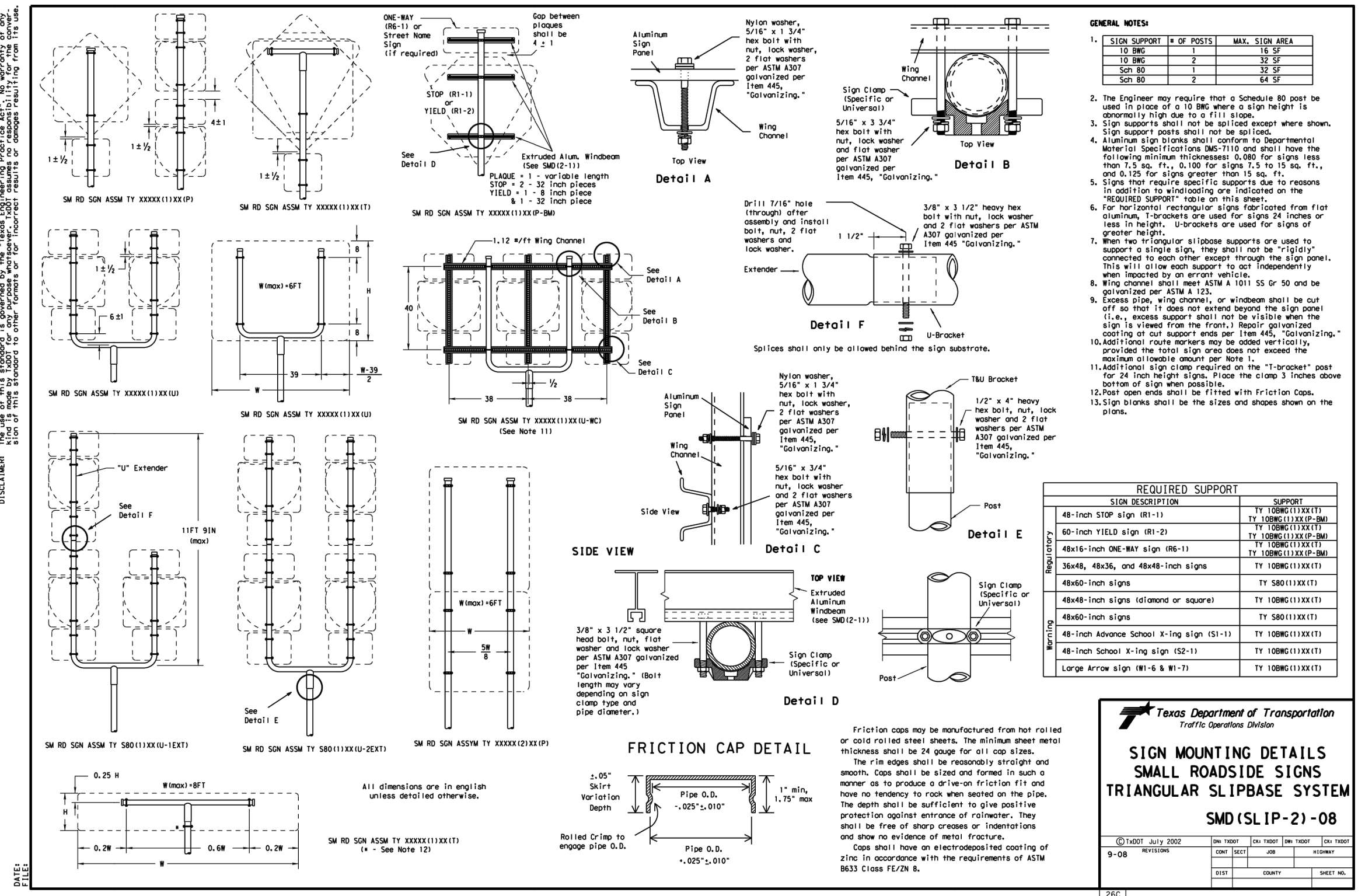
NOTE: There are various devices approved for the Triangular Slipbase System. Please reference the Material Producer List for approved slip base systems. The device shall be installed per manufacturer's recommendations.

- GENERAL NOTES: 1. Slip base shall be permanently marked to indicate manufacturer, method, design, and location of marking... 2. Material used as post with this system shall conform to the following specifications...

- ASSEMBLY PROCEDURE: 1. Prepare 12-inch diameter to 42-inch deep hole. If soft rock is encountered, the depth of the foundation may be reduced such that it is embedded a minimum of 18 inches into the soil rock...



Table with 2 columns: SIGN DESCRIPTION and SUPPORT. Lists various sign sizes and their corresponding support types.



- GENERAL NOTES: 1. Slip support shall be permanently marked to indicate manufacturer, method, design, and location of marking... 2. The Engineer may require that a Schedule 80 post be used in place of a 108 pipe where a sign height is greater than 10 feet...

Table with 2 columns: SIGN DESCRIPTION and SUPPORT. Lists various sign sizes and their corresponding support types.

Table with 2 columns: SIGN DESCRIPTION and SUPPORT. Lists various sign sizes and their corresponding support types.

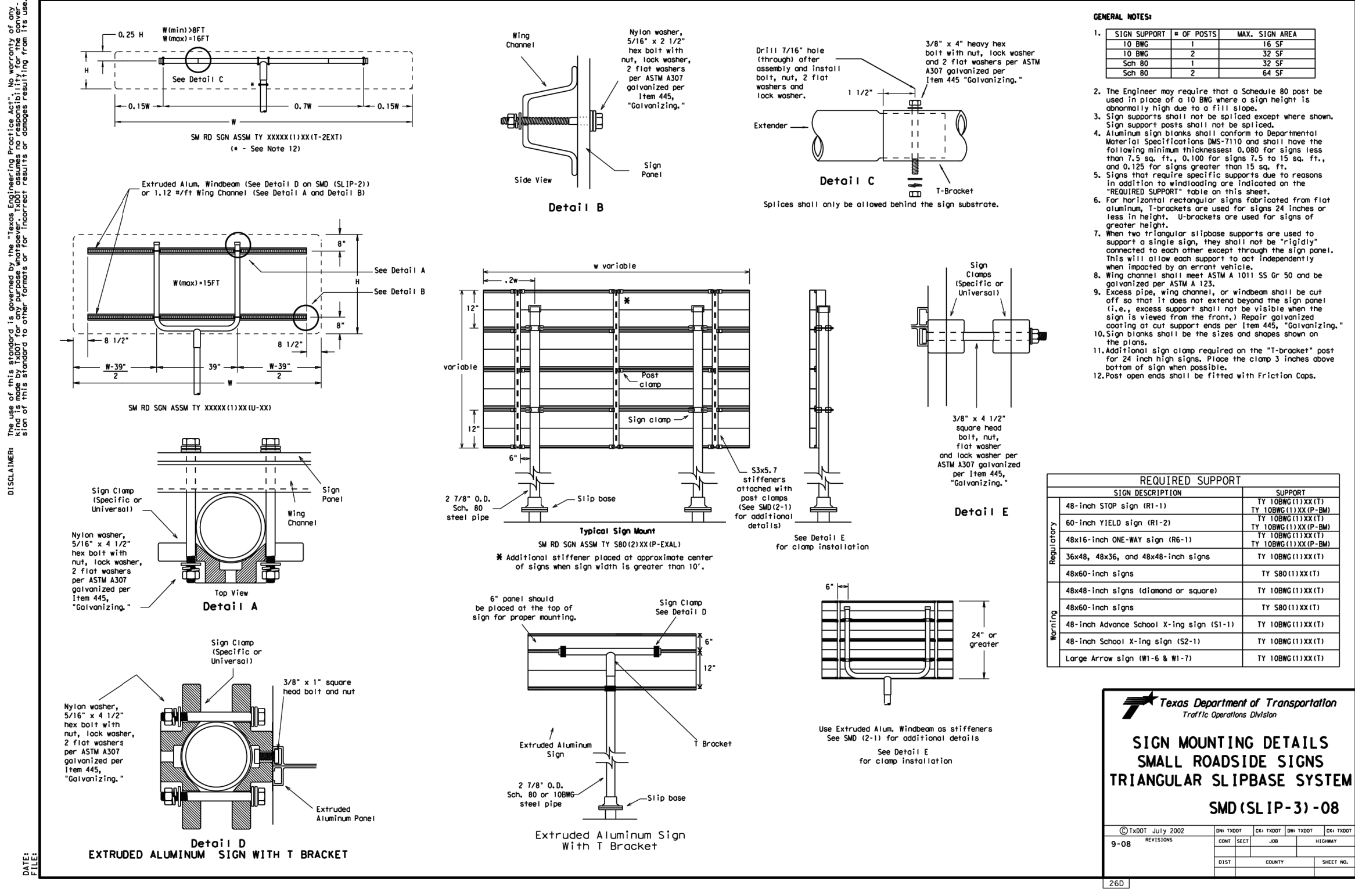


Table with 2 columns: SIGN DESCRIPTION and SUPPORT. Lists various sign sizes and their corresponding support types.

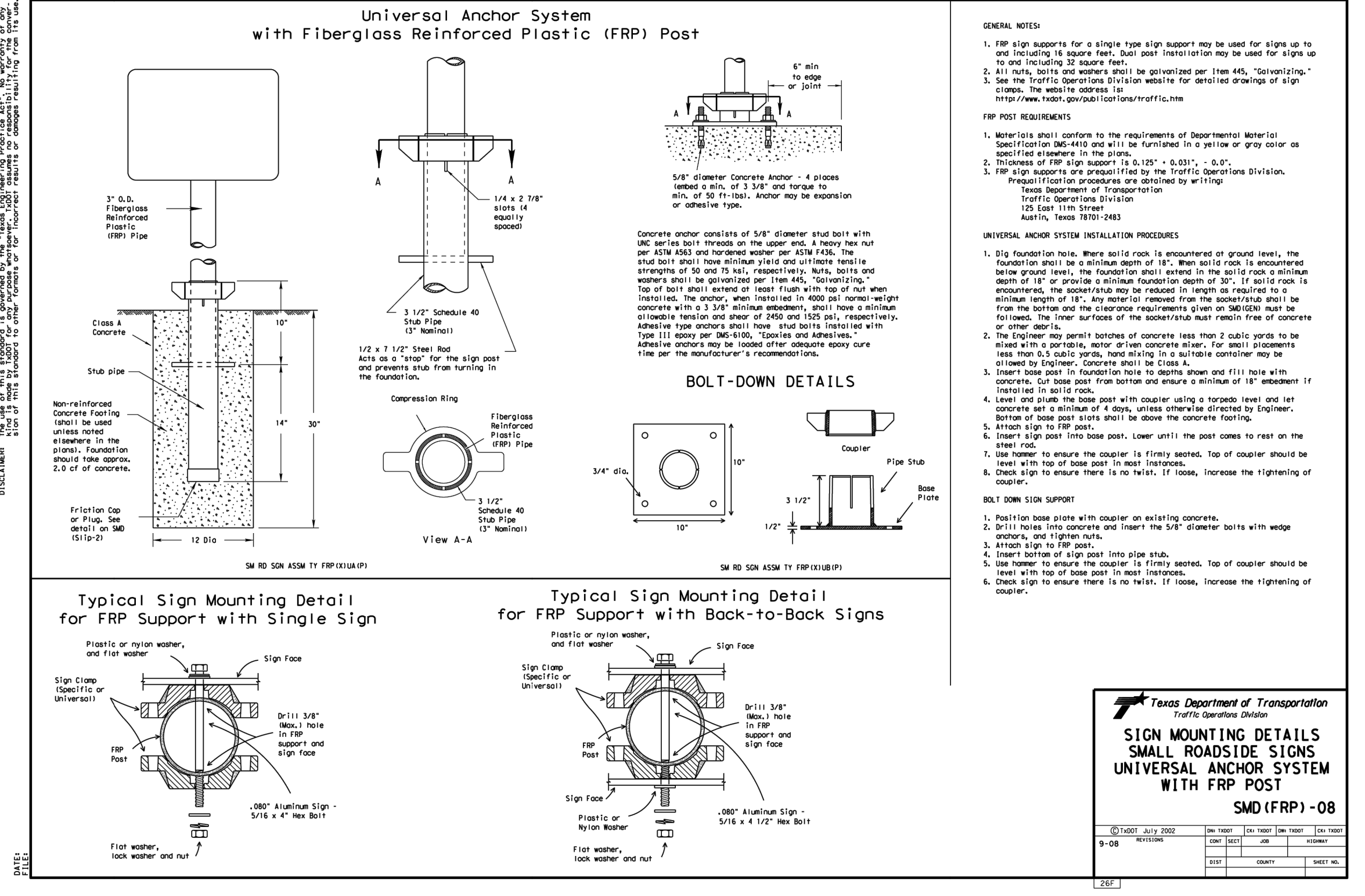
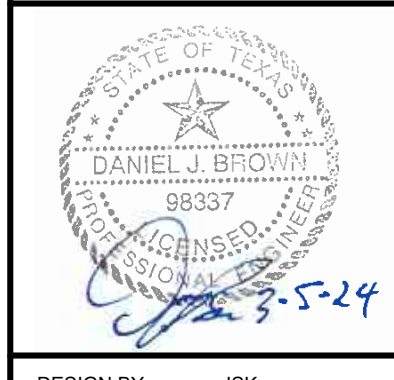


Table with 2 columns: SIGN DESCRIPTION and SUPPORT. Lists various sign sizes and their corresponding support types.

NEW HOPE CORPORATE PARK 183A TURN LANE CEDAR PARK, TEXAS

TXDOT DETAILS 2

MALONE WHEELER logo and contact information: CIVIL ENGINEERING & DEVELOPMENT CONSULTING, PROJECT MANAGEMENT, 5113 Southwest Parkway, Suite 260, Austin, Texas 78735.



### SIGN SUPPORT DESCRIPTIVE CODES

SM RD SGN ASSM TY XXXXX (X) XX (X-XXXX)

Post Type: FFR - Fiberglass Reinforced Plastic Pipe (see SMD(SFP))  
 W - 1.75" Wall Tubing (see SMD(WT))  
 WNB - 1.0" NB Wall Tubing (see SMD(WN))  
 WUB - 1.5" UB Wall Tubing (see SMD(WU))  
 SA - Stainless Steel (see SMD(SLIP-1) to (SLIP-3))

Anchor Type:  
 LA - Universal Anchor - Concrete (see SMD(AR) and (WTA))  
 LAU - Universal Anchor - Bolted (see SMD(AR) and (WTA))  
 WA - Wedge Anchor Steel - (see SMD(WT))  
 WAU - Wedge Anchor Steel - Bolted (see SMD(WT) and (WTA))  
 SA - Stainless Steel - Bolted (see SMD(SLIP-1) to (SLIP-3))

Sign Mounting Designation:  
 F - Female, "FR" (see SMD(SLIP-1) to (SLIP-3), (WT), (WRP))  
 T - Female, "T" (see SMD(SLIP-1) to (SLIP-3), (WT))  
 P - Female, "P" (see SMD(SLIP-1) to (SLIP-3))  
 R - Female, "R" (see SMD(SLIP-1) to (SLIP-3))  
 L - Female, "L" (see SMD(SLIP-1) to (SLIP-3))  
 E - Female, "E" (see SMD(SLIP-1) to (SLIP-3))  
 B - Extruded Bolt (see SMD(SLIP-1) to (SLIP-3))  
 EC - 1.12 Inch King Channel (see SMD(SLIP-1) to (SLIP-3))  
 EXL - Extruded Aluminum Sign Panels (see SMD(SLIP-3))

### REQUIRED CLEARANCE FOR BREAKAWAY SUPPORT

To avoid vehicle undercarriage snagging, any breakaway portion of support (i.e., stub), 4" max. 30"

### SIGN LOCATION

#### PAVED SHOULDERS

**LESS THAN 6 FT. WIDE**  
 When the shoulder is 4 ft. or less in width, the sign must be placed at least 12 ft. from the edge of the travel lane.

**GREATER THAN 6 FT. WIDE**  
 When the shoulder is greater than 6 ft. in width, the sign must be placed at least 6 ft. from the edge of the shoulder.

#### BEHIND BARRIER

5 ft. min. Clearance

#### BEHIND GUARDRAIL

4 ft. min. Clearance

#### BEHIND CONCRETE BARRIER

2 ft. min. Clearance

#### T-INTERSECTION

12 ft. min. Clearance

#### RESTRICTED RIGHT-OF-WAY

Minimum clearance from edge of travel lane: 6 ft. min. (is not possible)

#### CURB & GUTTER OR RAISED ISLAND

2 ft. min. Clearance

#### TYPICAL SIGN ATTACHMENT DETAIL

Single Signs: 1/4" dia. Nylon washer, flat washer, lock washer, nut. Sign Panel. Sign Post. Sign Clamp. Nylon washer, flat washer, lock washer, nut.

Back-to-Back Signs: 1/4" dia. Nylon washer, flat washer, lock washer, nut. Sign Panel. Sign Post. Sign Clamp. Nylon washer, flat washer, lock washer, nut.

Sign Diameter	Approximate Bolt Length	Specific Clamp	Universal Clamp
2" nominal	3"	3 or 3 1/2"	3"
2 1/2" nominal	3 or 3 1/2"	3 1/2 or 4"	3"
3" nominal	3 1/2 or 4"	4 1/2"	3"

#### SIGNS WITH PLAQUES

When a supplemental plaque or secondary sign is used, the 7 ft sign height is measured to the bottom of the supplemental plaque or secondary sign.

#### GENERAL NOTES

- 1. Signs shall be mounted using the following condition that results in the greatest sign clearance:
  - (1) a minimum of 7 ft to a maximum of 7.5 feet above the edge of the travel lane or
  - (2) a minimum of 7 ft to a maximum of 7.5 feet above the grade of the base of the support when sign is installed in the backstop.
 The maximum values may be increased when directed by the Engineer.
- 2. See the Traffic Operations Division website for detailed drawings of sign clamps, T-bracket or Slabote System components and Wedge Anchor System components.
- 3. The website address is: <http://www.tdot.gov/pav/locations/traffic.htm>

### Wedge Anchor Steel System

Post: See General Note 4  
 Class A Concrete  
 Tubular socket  
 3" dia. (approx.)

### Wedge Anchor High Density Polyethylene (HDPE) System

Post: See General Note 4  
 Class A Concrete  
 Tubular socket  
 3" dia. (approx.)

### Universal Anchor System with Thin-Walled Tubing Post

Post: See General Note 4  
 1/4" x 2 7/8" State 4 Equal Steel  
 5/8" diameter concrete anchor - 4 spaced to min. of 2 ft. and torque to min. of 50 ft-lb. Anchor may be epoxy or adhesive type.  
 Concrete anchor consists of 5/8" diameter stud bolt with UNC serrated flats on the upper end. A heavy hex nut per ASTM A563 and hardened washer per ASTM F436. The stud bolt shall have minimum yield and ultimate tensile strengths of 50 and 75 ksi, respectively. Nuts, bolts and washers shall be galvanized per (see 463), "Spinning". Top of nut shall extend no less than 1/4" above top of nut when installed. The anchor, when installed in 4000 psi normal weight concrete with 3 1/2" minimum embedment, shall have a minimum ultimate tensile strength of 40,000 lbs., respectively. Adhesive type anchors shall have 3000 psi ultimate tensile strength per (see 4100, "Epoxy and Adhesive"). Adhesive anchors may be loaded after adequate curing time per the manufacturer's recommendations.

#### Sign Installation Using a Prefabricated T-Bracket for Thin-Wall Tubing Post

View A-A: 3/4" dia. Coupler, 3 1/2" Pipe Stub, 1/2" Flange, 3/4" x 3 1/2" Post  
 Detail A: 5/8" x 1/2" hole may need to be drilled through post to accommodate bolt.

NOTE: The details shall be installed per manufacturer's recommendations. Installation procedures shall be provided to the Engineer by contractor.

#### GENERAL NOTES

1. The Wedge Anchor System and the Universal Anchor System with thin wall tubing post may be used to support up to 10 square feet of sign area.
2. The tubular socket, wedge and grade/counter Forceman shall be permanently marked to indicate manufacturer, method, design and location of marking are subject to the approval of the TDDOT Traffic Standards Engineer.
3. Except for parts 112 (flat flange, clamp, nuts and bolts), all components shall be precast/finished. A list of precast/finished vendors may be obtained from the material producer. List and shop. The website address is: <http://www.tdot.gov/pav/locations/traffic.htm>
4. Methods used in conjunction with this system shall conform to the following specifications:
  - 13.05.1100.100 (flat flange)
  - 0.695" nominal wall thickness
  - 50,000 PSI minimum yield strength
  - 70,000 PSI minimum tensile strength
  - 181" minimum elongation in 2"
  - Best fit/bolts furnished shall be within the range of .035" to .099"
  - Outside diameter furnished shall be within the range of 2.369" to 2.381"
  - Concentration per ASTM 123 or ASTM A563 steel. For precast steel tubing, ASTM A531, report tube outside diameter weld seam by metalizing with zinc wire per ASTM B451.
5. Sign clamps shall be the size and shape shown on the plans.
6. Additional sign clamps required on the "T-Bracket" post for 24" high signs. Place clamp at least 7" above bottom of sign when installed.
7. Sign supports shall not be bolted except where shown. Sign support posts shall not be backcast.
8. See the Traffic Operations Division website for detailed drawings of sign clamps and Wedge Anchor System components. The website address is: <http://www.tdot.gov/pav/locations/traffic.htm>

#### WEDGE ANCHOR SYSTEM INSTALLATION PROCEDURE

1. Dig foundation hole. Where soil rock is encountered at ground level, the foundation shall be a minimum depth of 18". When soil rock is encountered below ground level, the foundation shall extend in the soil rock a minimum depth of 18" or provide a minimum foundation depth of 30". If soil rock is encountered, the socket/stub may be reduced in length as required to a minimum length of 18". Any material removed from the socket/stub shall be from the bottom and the clearance requirements given on SMD(GEN) shall be followed. The lower surfaces of the socket/stub must remain free of concrete or other debris.
2. The engineer permit holder shall ensure that a 3/4" dia. post is installed with a portion of the post above the hole. The hole shall be drilled with 3/4" dia. post. The hole shall be drilled in the hole to a depth of 12" above the hole. The hole shall be drilled in the hole to a depth of 12" above the hole.
3. Insert tubular socket into concrete until top of socket is approximately 1/4" above the concrete footing.
4. Flush the socket. Allow a minimum 4 days for concrete to set, unless otherwise directed by the Engineer.
5. Attach the sign to the sign post.
6. Insert the sign post into socket and align sign face with roadway.
7. Drive the wedge into the socket to secure post. This will increase approximately 3 inches of the wedge exposure.

#### UNIVERSAL ANCHOR SYSTEM INSTALLATION PROCEDURE

1. Dig foundation hole. Where soil rock is encountered at ground level, the foundation shall be a minimum depth of 18". When soil rock is encountered below ground level, the foundation shall extend in the soil rock a minimum depth of 18" or provide a minimum foundation depth of 30". If soil rock is encountered, the socket/stub may be reduced in length as required to a minimum length of 18". Any material removed from the socket/stub shall be from the bottom and the clearance requirements given on SMD(GEN) shall be followed. The lower surfaces of the socket/stub must remain free of concrete or other debris.
2. Insert base post into hole to depth shown and backfill hole with concrete.
3. Level and plumb the base post using a torpedo level and allow concrete adequate time to set. The bottom of the steel post shall remain above the top of the concrete foundation.
4. Attach the sign to the sign post.
5. Insert plastic insert around bottom of post.
6. Insert sign post into base post. Lower until the post comes to rest on steel rod.
7. Seat compression ring using a hammer. Adjust to the top of compression ring will be approximately level with top of steel post when installed. Tighten.
8. Check sign post by hand to ensure it is unable to turn. If loose, increase the tightening of the compression ring.

NEW HOPE CORPORATE PARK 183A TURN LANE

CEDAR PARK, TEXAS

TXDOT DETAILS 3

REVISION	DATE	NO.

**MALONE WHEELER**  
 CIVIL ENGINEERING & DEVELOPMENT CONSULTING & PROJECT MANAGEMENT  
 5113 Southwest Pkwy, Suite 240  
 Austin, Texas 78735  
 Phone: (512) 899-0601 Fax: (512) 899-0655  
 Firm Registration No. F-786



DESIGN BY: JSK  
 CHECKED BY: MV  
 APPROVED BY: DB  
 DATE: 12/22/23

# CTRMA 183A EXTENSION

(CR 274 SOUTH TO FM 1431)  
(APPROXIMATE STATION 304+00 TO STATION 601+00)  
(CSJ:0151-04-054)

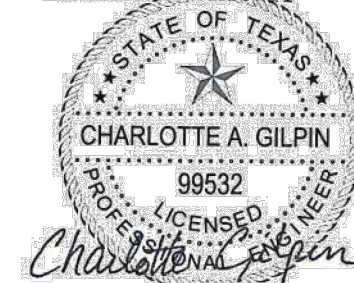
## MODIFICATION OF A PREVIOUSLY APPROVED TCEQ EDWARDS AQUIFER CONTRIBUTING ZONE PLAN

PREPARED FOR:  
CENTRAL TEXAS REGIONAL MOBILITY AUTHORITY

RECEIVED

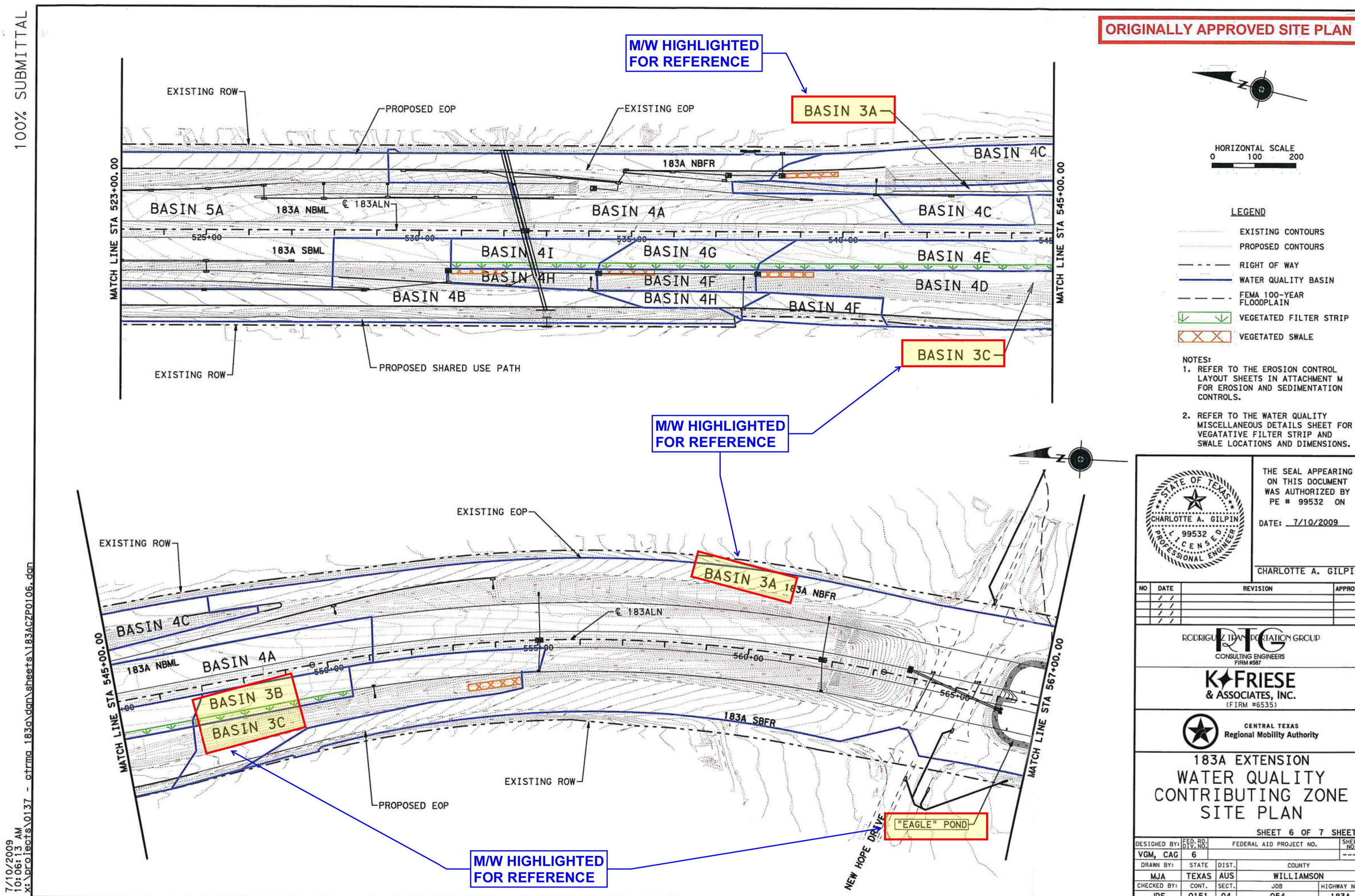
JUL 29 2010

TCEQ FIELD OPERATIONS  
AUSTIN REGION II



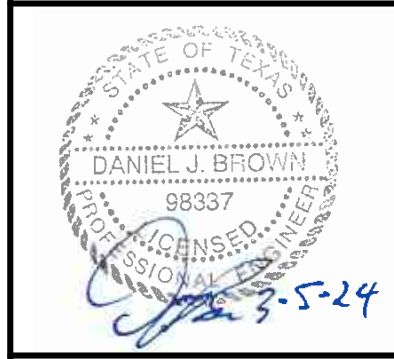
THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY CHARLOTTE A. GILPIN, P.E. 99532 ON JULY 26, 2009

PREPARED BY:  
**K FRIESE & ASSOCIATES, INC.**  
FIRM No. 6535  
JULY 2010



NEW HOPE CORPORATE PARK - NORTH PHASE  
CEDAR PARK, TEXAS  
CTRMA 183A EXTENSION EAGLE POND (CZP PERMIT: 11-04071601D)

**MALONE WHEELER**  
SINCE 1995  
CIVIL ENGINEERING \* DEVELOPMENT CONSULTING \* PROJECT MANAGEMENT  
5113 Southwest Plaza, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786



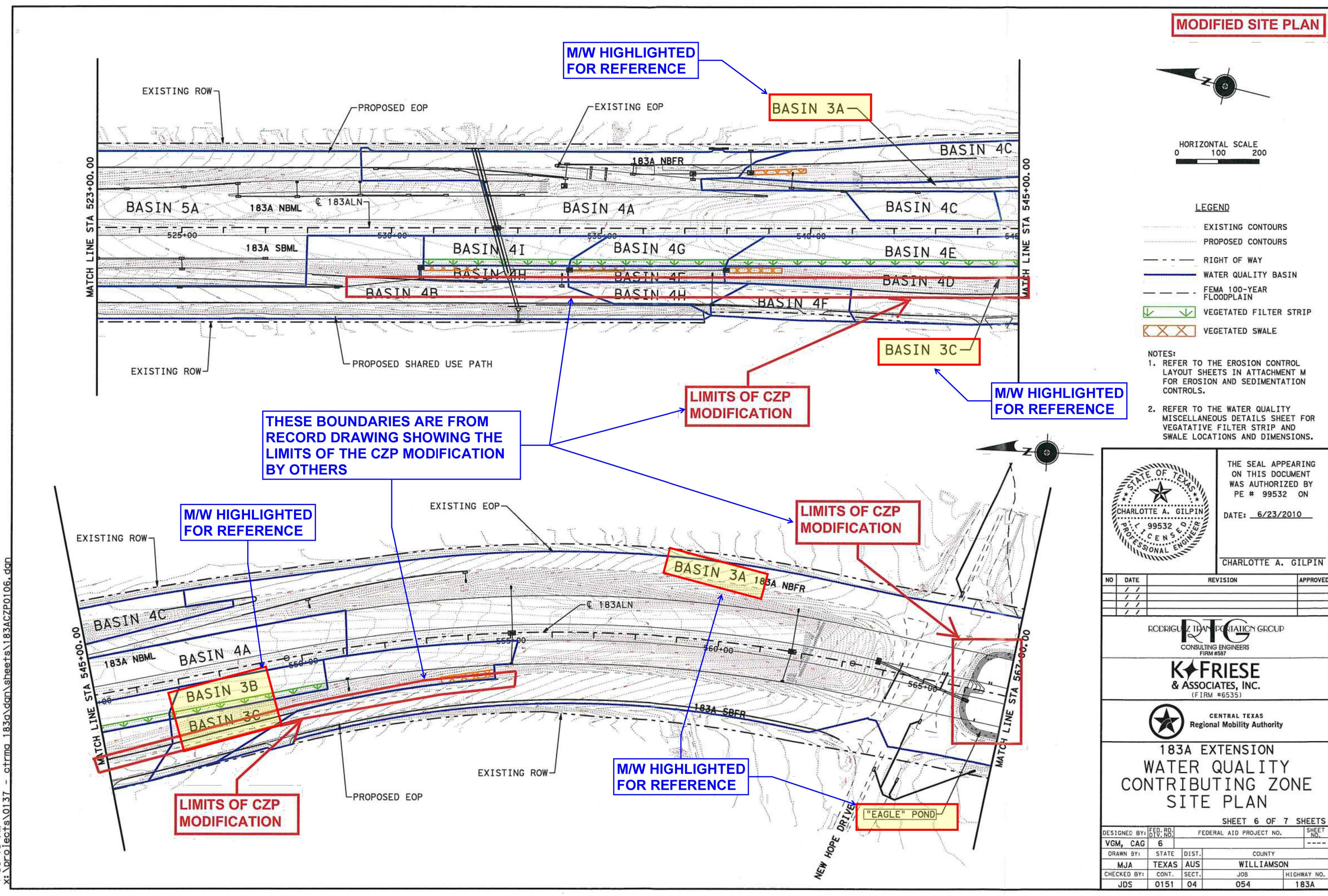
DESIGN BY: JVK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 3/5/24

SHEET 17 OF 26

RECORD DRAWING ASSOCIATED WITH TCEQ CZP PERMIT 1104071601D;  
PROVIDED FOR INFORMATION AND REVIEW PURPOSES ONLY



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THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PE # 98532 ON DATE: 6/23/2010  
CHARLOTTE A. GILPIN

NO	DATE	REVISION	APPROVED

KORRELL & DONN GILPIN GAGUP  
CONSULTING ENGINEERS  
FORWARD

**K FRIESE & ASSOCIATES, INC.**  
(IF FIRM 48335)

CENTRAL TEXAS  
Regional Mobility Authority

**183A EXTENSION  
WATER QUALITY  
CONTRIBUTING ZONE  
SITE PLAN**

SHEET 6 OF 7 SHEETS

DESIGNED BY: JLS/DB	FEDERAL AID PROJECT NO.:	SHEET
VQM, CAS, G		
DRAWN BY: STATE	DIST. COUNTY	
MJA TEXAS AUS	WILLIAMSON	
CHECKED BY: CWT	JOB	HIGHWAY NO.
JDS 0151 04	054	183A

NO.	DATE	REVISION	BY

**NEW HOPE CORPORATE PARK - NORTH PHASE**  
CEDAR PARK, TEXAS

**CTRMA 183A EXTENSION EAGLE POND (CZP PERMIT:  
11-04071601D)**

**MALONE WHEELER**  
SINCE INC. 1995

CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT

5113 Southwest Plaza, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786

STATE OF TEXAS  
REGISTERED PROFESSIONAL ENGINEER  
DANIEL J. BROWN  
98537

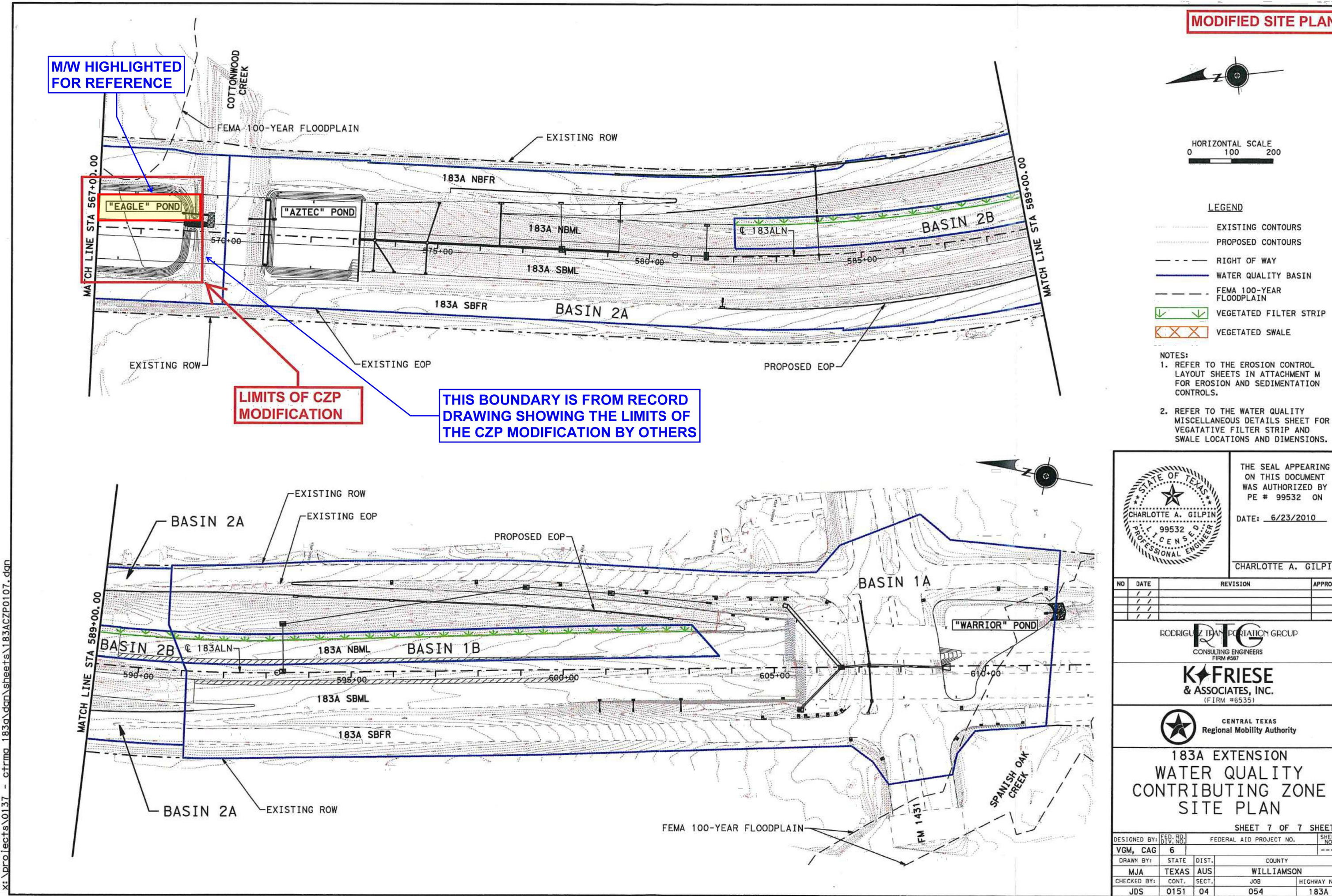
*[Signature]*  
3-5-24

DESIGN BY: JSK  
CHECKED BY: MV  
APPROVED BY: DB  
DATE: 3/5/24

**SHEET 18  
OF 26**

**RECORD DRAWING ASSOCIATED WITH TCEQ CZP PERMIT 1104071601D;  
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RECORD DRAWING ASSOCIATED WITH TCEQ CZP PERMIT 1104071601D;  
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**MALONE WHEELER**  
INC. 1975  
SINCE

CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
5113 Southwest Pkwy, Suite 260  
Austin, Texas 78735  
Phone: (512) 899-0601 Fax: (512) 899-0655  
Firm Registration No. F-786



DESIGN BY : JSK  
CHECKED BY : MV  
APPROVED BY : DB  
DATE : 3/5/24

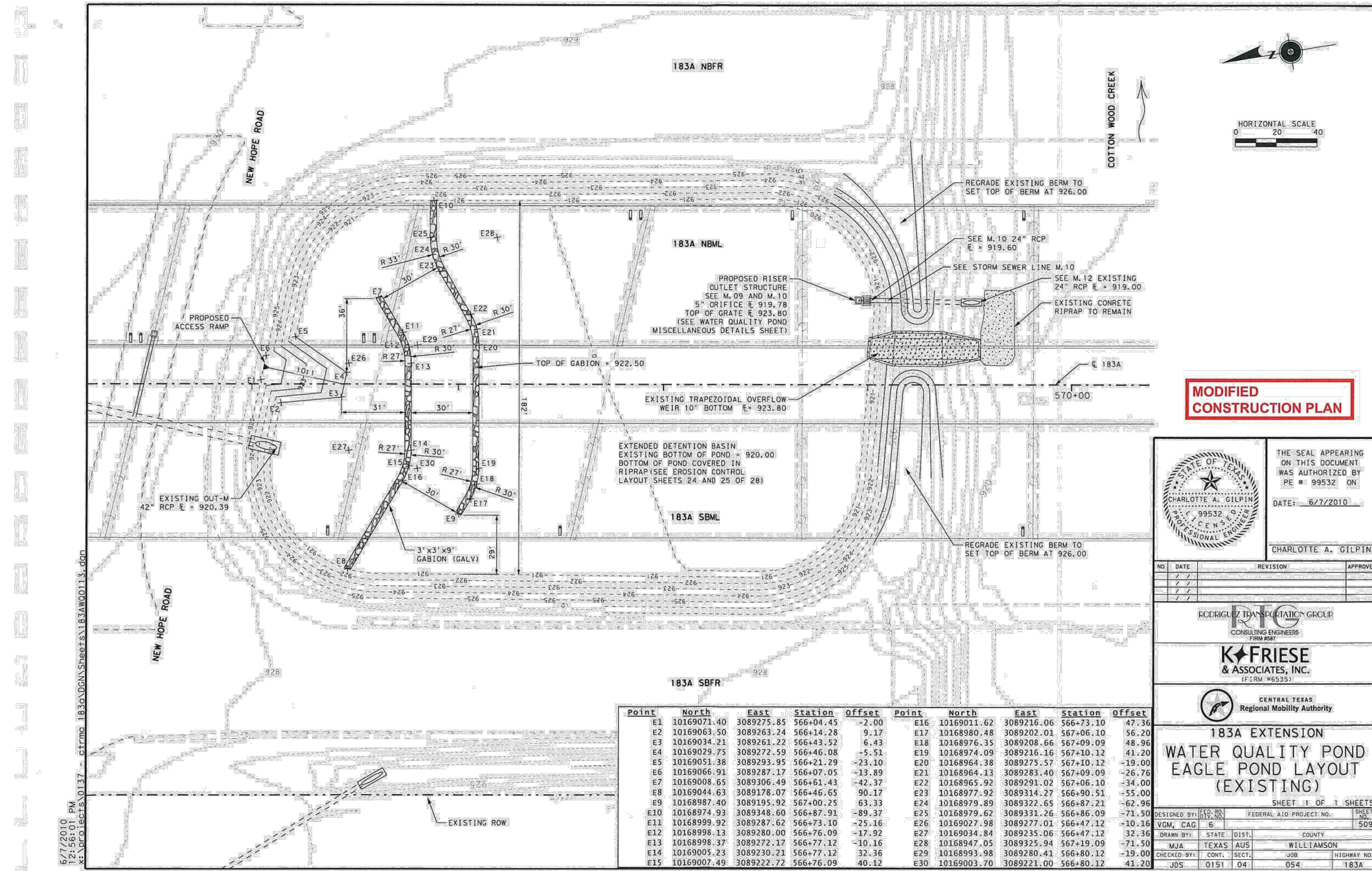
SHEET 19  
OF 26

NEW HOPE CORPORATE PARK - NORTH PHASE

CEDAR PARK, TEXAS

CTRMA 183A EXTENSION EAGLE POND (CZP PERMIT:  
11-04071601D)

NO.	DATE	REVISION	BY



**MODIFIED CONSTRUCTION PLAN**

THE SEAL APPEARING ON THIS DOCUMENT WAS AUTHORIZED BY PE # 99532 ON DATE: 6/7/2010  
**CHARLOTTE A. GILPIN**  
 PROFESSIONAL ENGINEER

REGISTERED PROFESSIONAL ENGINEER  
 CIVIL ENGINEERING  
 TEXAS  
 NO. 99532  
 EXPIRES 12/31/2024

**K\*FRIESE & ASSOCIATES, INC.**  
 (FORM #6535)

CENTRAL TEXAS  
 Regional Mobility Authority

Point	North	East	Station	Offset	Point	North	East	Station	Offset
E1	10169071.40	3089275.85	566+04.45	-2.00	E16	10169011.62	3089216.06	566+73.10	47.36
E2	10169063.50	3089263.24	566+14.28	9.17	E17	10168980.48	3089202.01	567+06.10	56.29
E3	10169034.21	3089261.22	566+43.52	6.43	E18	10168976.35	3089208.66	567+09.09	48.96
E4	10169029.75	3089272.59	566+46.08	-5.51	E19	10168974.09	3089216.16	567+10.12	41.20
E5	10169051.38	3089293.95	566+21.29	+23.10	E20	10168964.38	3089275.57	567+10.12	-19.00
E6	10169066.91	3089287.17	566+07.05	-13.89	E21	10168964.13	3089281.40	567+09.09	-26.70
E7	10169008.65	3089306.49	566+61.43	-42.37	E22	10168965.92	3089291.02	567+06.10	-34.00
E8	10169044.63	3089178.07	566+46.65	90.17	E23	10168977.92	3089314.27	566+90.51	-55.00
E9	10168987.40	3089195.92	567+00.25	63.33	E24	10168979.89	3089327.65	566+87.21	-62.96
E10	10168974.93	3089348.60	566+87.91	-89.37	E25	10168979.62	3089331.26	566+86.09	-71.50
E11	10168999.92	3089287.62	566+73.10	-25.16	E26	10169027.98	3089277.01	566+47.12	-10.16
E12	10168998.13	3089280.00	566+76.09	-17.92	E27	10169034.84	3089235.06	566+47.12	32.36
E13	10168998.37	3089272.17	566+77.12	-10.16	E28	10168947.05	3089325.94	567+19.09	-71.50
E14	10169005.23	3089230.21	566+77.12	32.36	E29	10168993.98	3089280.41	566+80.12	-19.00
E15	10169007.49	3089222.72	566+76.09	40.12	E30	10169003.70	3089221.00	566+80.12	41.20

NO.	DATE	REVISION	BY

NEW HOPE CORPORATE PARK - NORTH PHASE  
 CEDAR PARK, TEXAS  
 CTRMA 183A EXTENSION EAGLE POND (CZP PERMIT: 11-04071601D)

**MALONE WHEELER**  
 SINCE 1995  
 CIVIL ENGINEERING • DEVELOPMENT CONSULTING • PROJECT MANAGEMENT  
 5113 Southwest Pkwy, Suite 260  
 Austin, Texas 78735  
 Phone: (512) 899-0601 Fax: (512) 899-0655  
 Firm Registration No. F-786

STATE OF TEXAS  
 DANIEL J. BROWN  
 38333  
 REGISTERED PROFESSIONAL ENGINEER  
 CIVIL ENGINEERING  
 3-5-24

DESIGN BY : JSK  
 CHECKED BY : MV  
 APPROVED BY : DB  
 DATE : 3/5/24  
**SHEET 20 OF 26**

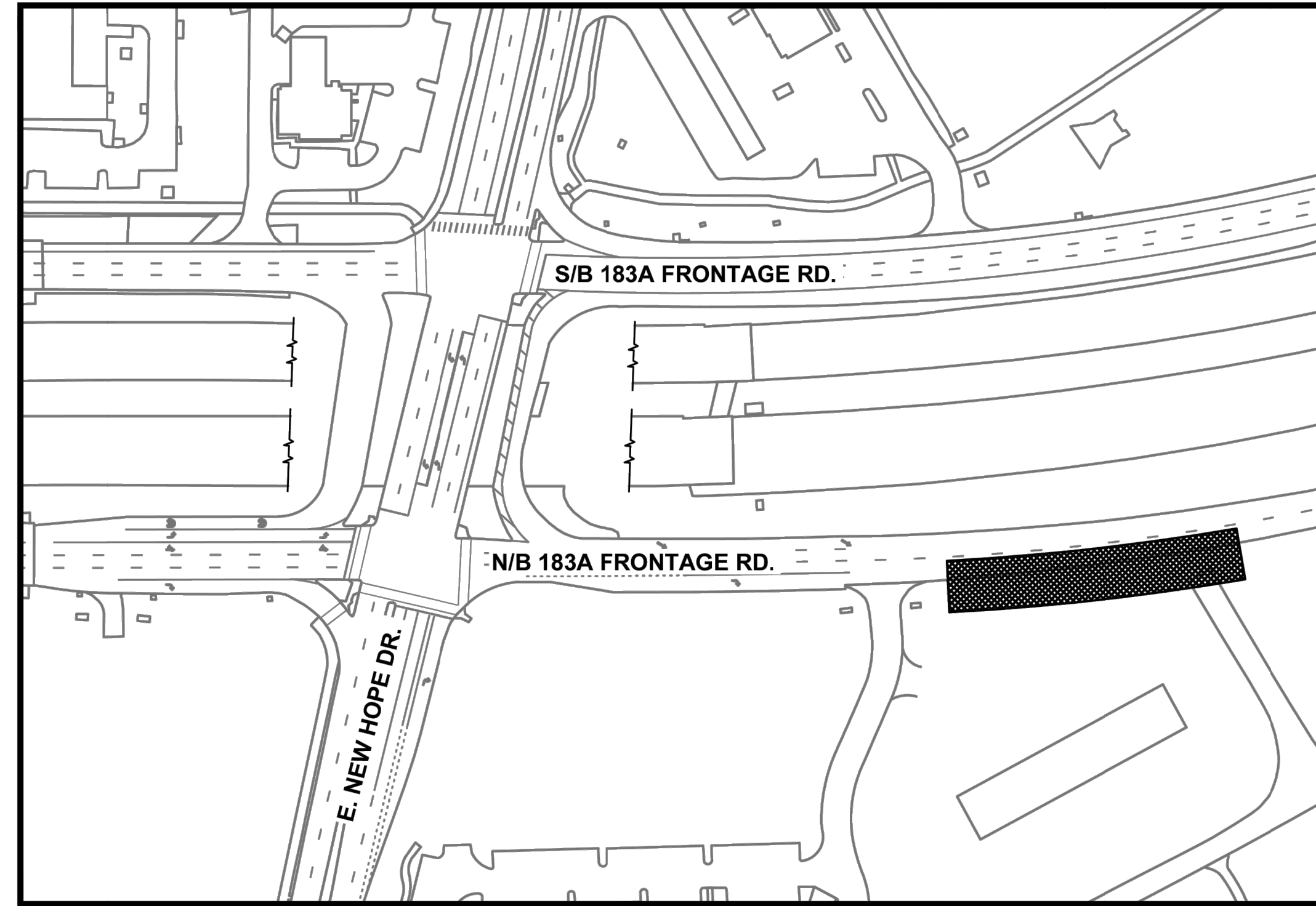
RECORD DRAWING ASSOCIATED WITH TCEQ CZP PERMIT 1104071601D;  
 PROVIDED FOR INFORMATION AND REVIEW PURPOSES ONLY





183A FRNTG. RD.  
NEW HOPE CORPORATE PARK - WEST PHASE

**VICINITY MAP**



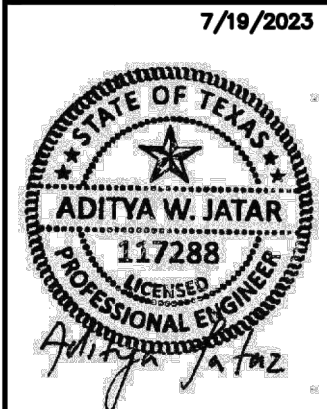
SCALE: N / A



**BARRICADING SUMMARY TABLE**

STREETS							
STREET	STREET FROM	STREET TO	PLANNED IMPROVEMENTS	STANDARD DETAILS / PLAN SHEET	ALLOWED BARRICADING TIMES	DURATION	COMMENTS
N/B 183A FRNTG. RD.	E. NEW HOPE DR.	VOLTA DR.	DRIVEWAY AND TURN LANE INSTALLATION	SHEET 2	MON - FRI 9AM - 3PM	3-4 WEEKS	

**Consulting Services, LLC**  
9901 Brodie Lane 160-303  
Austin, Texas 78748  
Tel. (512) 632-7509  
TBPE Registration Number: F-19220










**COVER SHEET**

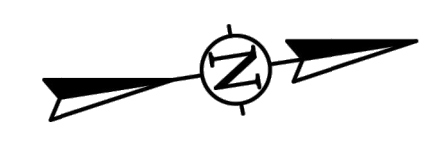
NEW HOPE CORPORATE PARK  
TRAFFIC CONTROL PLAN  
183A FRNTG. RD. N/B  
CEDAR PARK TEXAS

DRAWN BY: AWJ  
DESIGNED BY: AWJ  
QA / QC: BJT  
PROJECT NO.: 100415

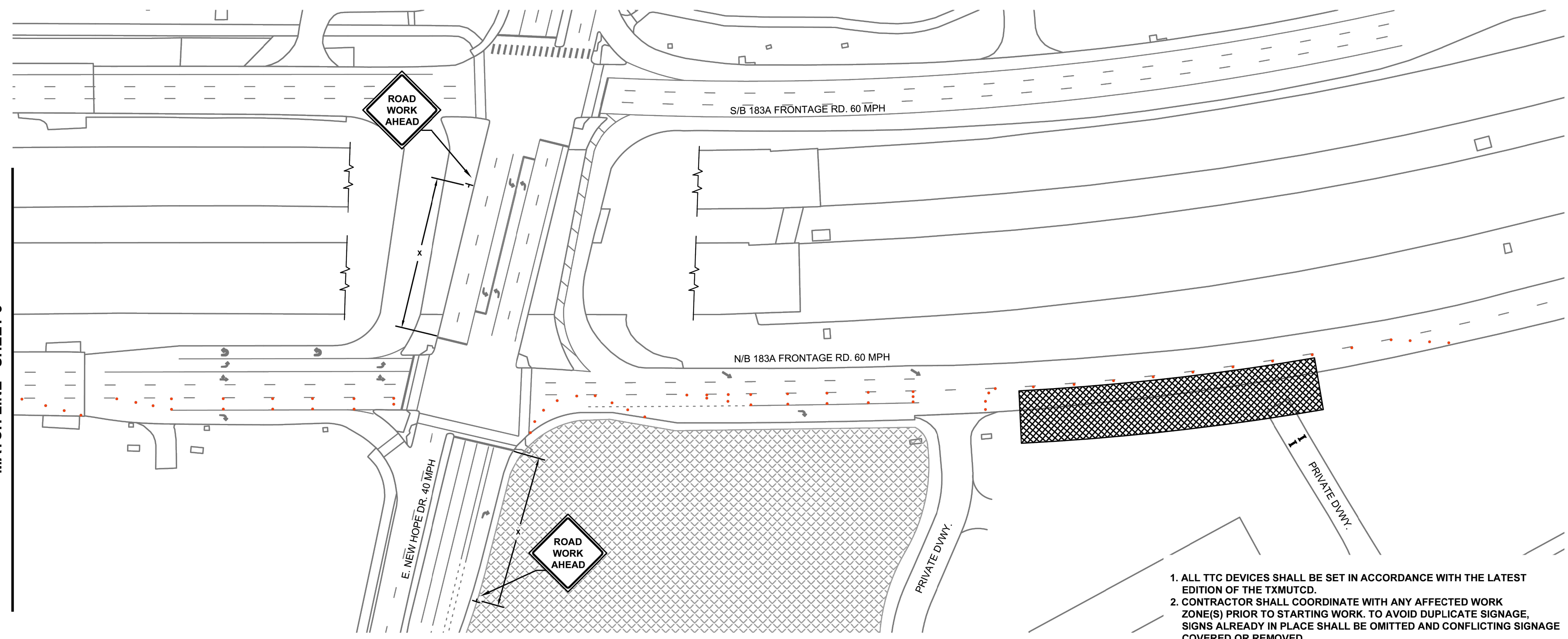
SHEET  
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OF 4

**LEGEND**

-  PROP. WORK SPACE / ACTIVITY AREA
-  EXIST. WORK ZONE
-  PROP. SIGN
-  PROP. TEMPORARY TRAFFIC BARRIER
-  PROP. BARRICADE - TYPE 3
-  PROP. ARROW BOARD
-  PROP. CHANNELIZING DEVICE

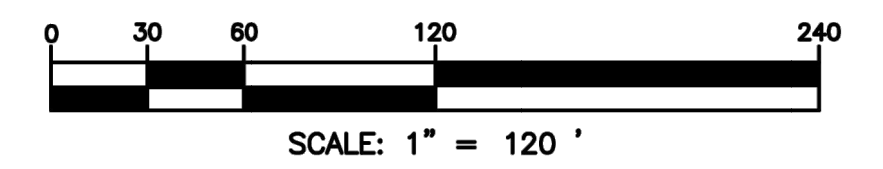


MATCH LINE - SHEET 3

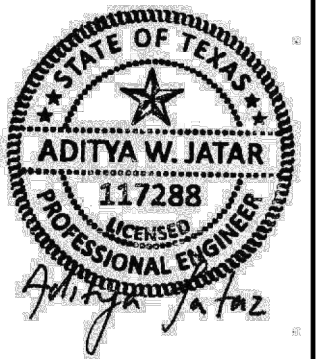


1. ALL TTC DEVICES SHALL BE SET IN ACCORDANCE WITH THE LATEST EDITION OF THE TXMUTCD.
2. CONTRACTOR SHALL COORDINATE WITH ANY AFFECTED WORK ZONE(S) PRIOR TO STARTING WORK. TO AVOID DUPLICATE SIGNAGE, SIGNS ALREADY IN PLACE SHALL BE OMITTED AND CONFLICTING SIGNAGE COVERED OR REMOVED.
3. CONTRACTOR TO PROVIDE TRANSITION GRADING AT ALL PAVEMENT DROP-OFFS ADJACENT TO TRAFFIC WHEN THE DROP-OFF IS GREATER THAN 2 INCHES.

Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
30	$L = \frac{WS^2}{60}$	150'	165'	180'	30'	60'	120'	90'
35		205'	225'	245'	35'	70'	160'	120'
40		265'	295'	320'	40'	80'	240'	155'
45	L=WS	450'	495'	540'	45'	90'	320'	195'
50		500'	550'	600'	50'	100'	400'	240'
55		550'	605'	660'	55'	110'	500'	295'
60		600'	660'	720'	60'	120'	600'	350'
65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75		750'	825'	900'	75'	150'	900'	540'



CONSULTING SERVICES, LLC  
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Tel. (512) 632-7509  
TBP# Registration Number: F-19220



7/19/2023

**TEMPORARY TRAFFIC CONTROL**

NEW HOPE CORPORATE PARK  
TRAFFIC CONTROL PLAN

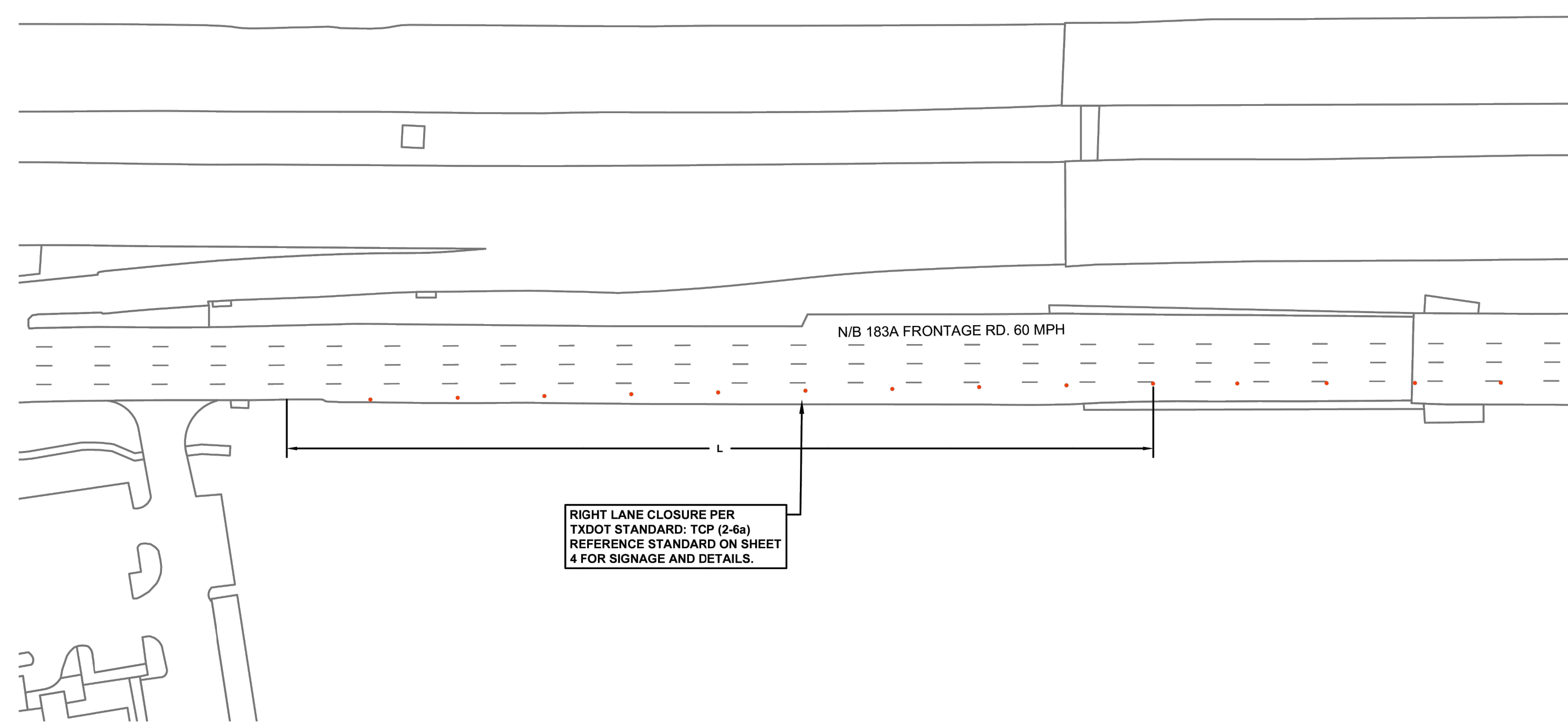
183A FRNTG. RD. N/B  
CEDAR PARK TEXAS

DRAWN BY: AWJ  
DESIGNED BY: AWJ  
GA/CC:BJT  
PROJECT NO.: 100415

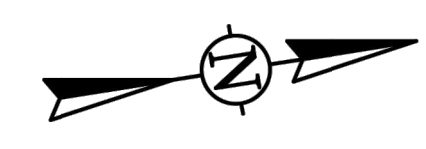
SHEET  
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OF  
**4**

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L:\Projects\7748



RIGHT LANE CLOSURE PER  
TXDOT STANDARD: TCP (2-6a)  
REFERENCE STANDARD ON SHEET  
4 FOR SIGNAGE AND DETAILS.



**LEGEND**

- PROP. WORK SPACE / ACTIVITY AREA
- EXIST. WORK ZONE
- PROP. SIGN
- PROP. TEMPORARY TRAFFIC BARRIER
- PROP. BARRICADE - TYPE 3
- PROP. ARROW BOARD
- PROP. CHANNELIZING DEVICE

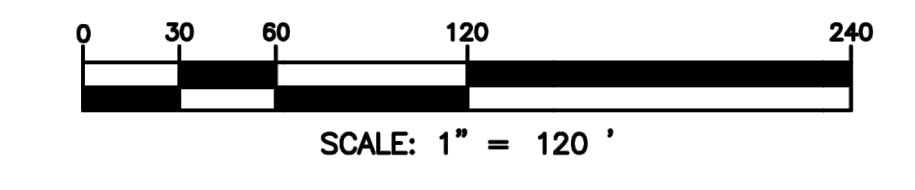
MATCH LINE - SHEET 2

1. ALL TTC DEVICES SHALL BE SET IN ACCORDANCE WITH THE LATEST EDITION OF THE TXMUTCD.
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3. CONTRACTOR TO PROVIDE TRANSITION GRADING AT ALL PAVEMENT

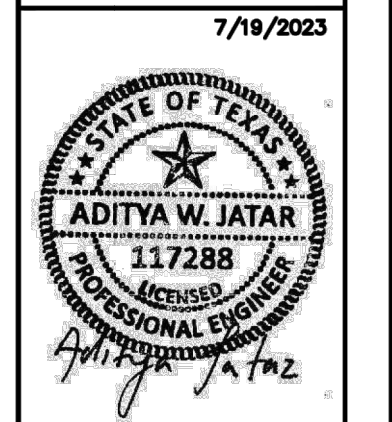
**TRAFFIC BARRIER:**  
CONTRACTOR MAY USE ANY TRAFFIC BARRIER THAT MEETS AASHTO MASH REQUIREMENTS; HOWEVER, CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT BARRIER OF CHOICE IS SET IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS, AS WELL AS IN ACCORDANCE WITH CRITERIA SET FORTH IN CHAPTER 5 & 9 OF AASHTO ROADSIDE DESIGN GUIDE.

**SITE ACCESS & PROTECTION:**  
PROTECTION OF SITE IS CONTRACTORS RESPONSIBILITY. ALTHOUGH SITE ACCESS IS REQUIRED FOR CONSTRUCTION TO OCCUR, CONTRACTOR SHALL BE RESPONSIBLE TO ENSURE THAT ALL EQUIPMENT, EXCAVATION, MATERIALS ETC. THAT ARE EXPOSED TO VEHICULAR TRAFFIC, BICYCLISTS AND / OR PEDESTRIANS, WHEN WORKERS ARE NOT PRESENT, IS PROPERLY PROTECTED.

Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing "X" Distance	Suggested Longitudinal Buffer Space "B"
		10' Offset	11' Offset	12' Offset	On a Taper	On a Tangent		
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65		650'	715'	780'	65'	130'	700'	410'
70	700'	770'	840'	70'	140'	800'	475'	
75	750'	825'	900'	75'	150'	900'	540'	



**Consulting Services, LLC**  
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 Austin, Texas 78748  
 Tel. (512) 632-7509  
 TBPE Registration Number: F-19220



**TEMPORARY TRAFFIC CONTROL**

NEW HOPE CORPORATE PARK  
 TRAFFIC CONTROL PLAN  
 183A FRNTG. RD. N/B  
 CEDAR PARK TEXAS

DRAWN BY: AWJ  
 DESIGNED BY: AWJ  
 GA/OC:BJT  
 PROJECT NO.: 100415

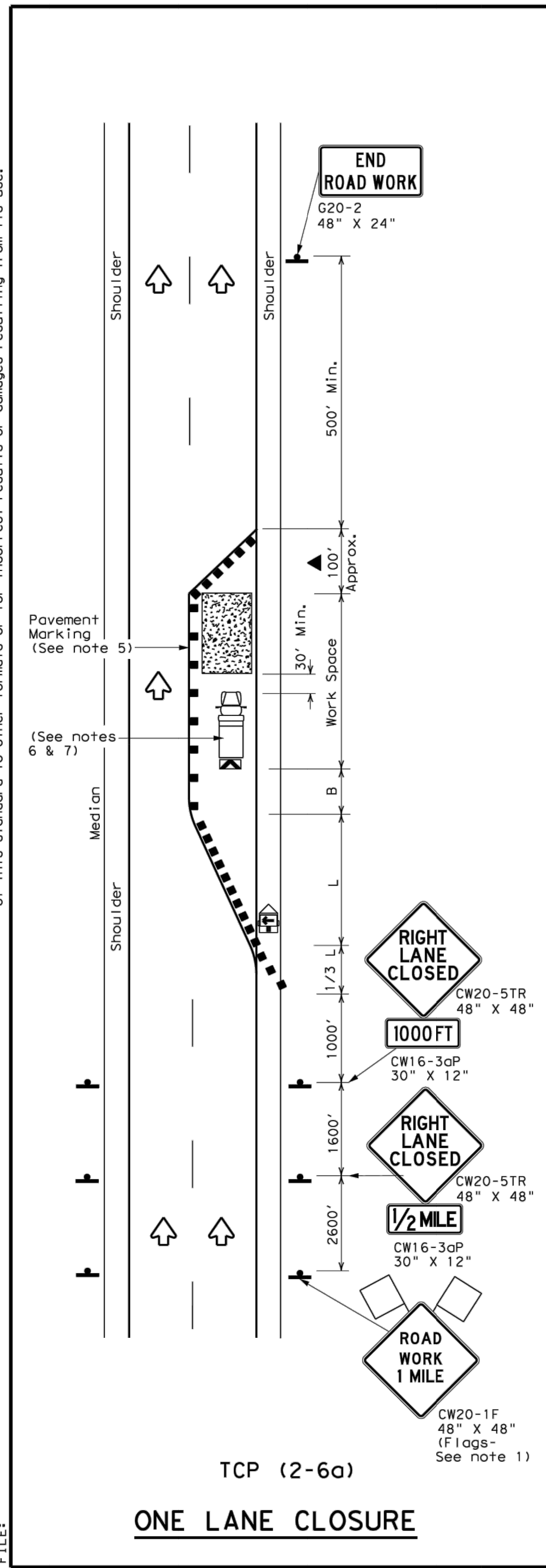
SHEET  
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 OF 4

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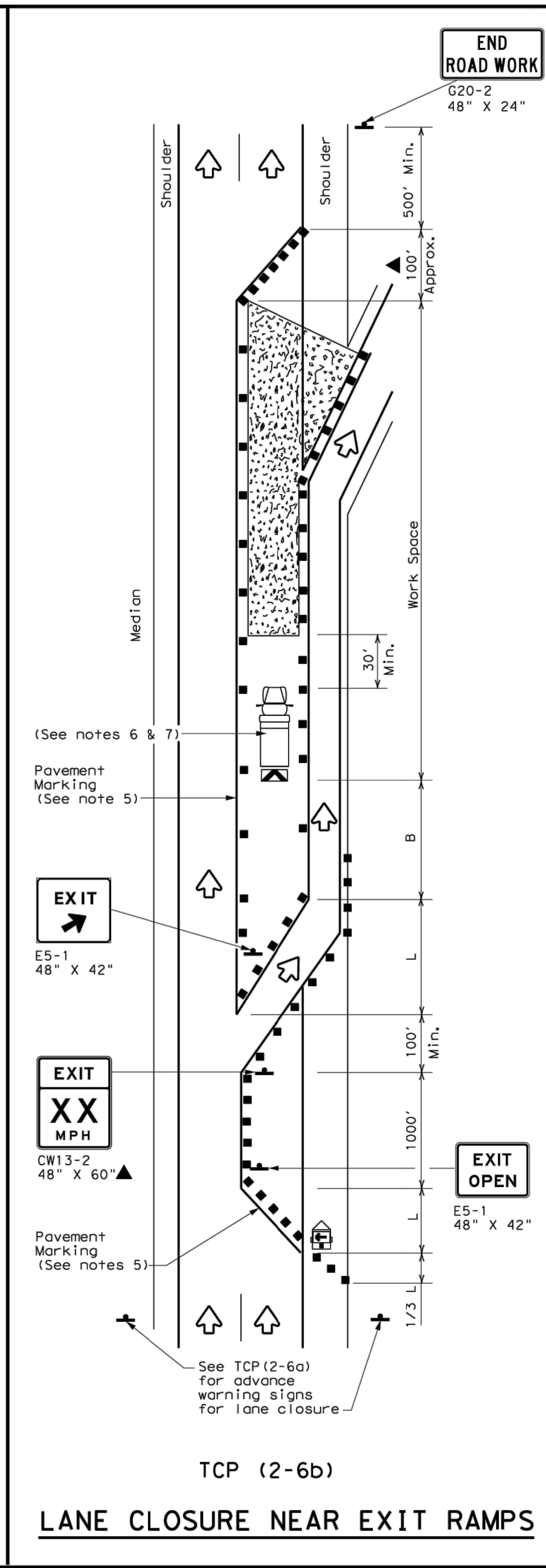


DISCLAIMER: The use of this standard is governed by the "Texas Engineering Practice Act". No warranty of any kind is made by TxDOT for any purpose whatsoever. TxDOT assumes no responsibility for the conversion of this standard to other formats or for incorrect results or damages resulting from its use.

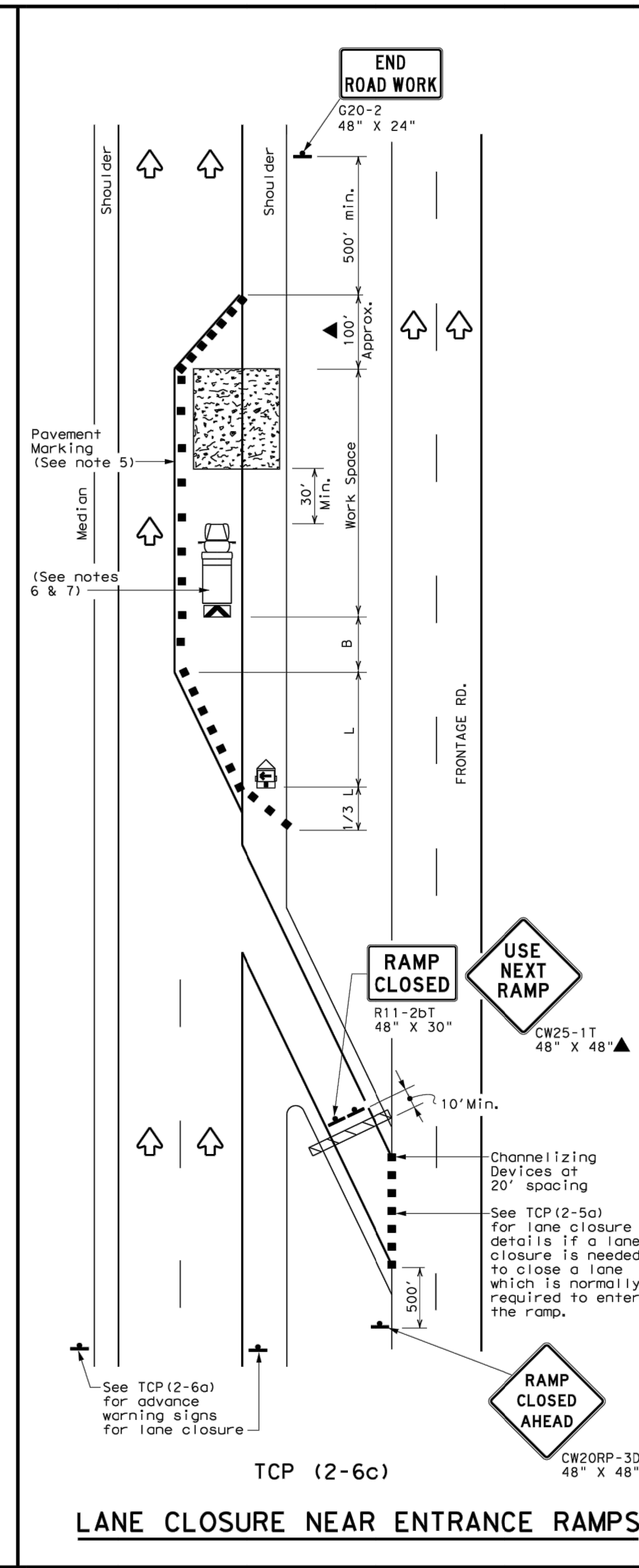
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TCP (2-6a)  
**ONE LANE CLOSURE**



TCP (2-6b)  
**LANE CLOSURE NEAR EXIT RAMP**



TCP (2-6c)  
**LANE CLOSURE NEAR ENTRANCE RAMP**

LEGEND			
	Type 3 Barricade		Channelizing Devices
	Heavy Work Vehicle		Truck Mounted Attenuator (TMA)
	Trailer Mounted Flashing Arrow Board		Portable Changeable Message Sign (PCMS)
	Sign		Traffic Flow
	Flag		Flagger

Posted Speed *	Formula	Minimum Desirable Taper Lengths **			Suggested Maximum Spacing of Channelizing Devices		Minimum Sign Spacing * Distance	Suggested Longitudinal Buffer Space "B"
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65		650'	715'	780'	65'	130'	700'	410'
70		700'	770'	840'	70'	140'	800'	475'
75	L = WS	750'	825'	900'	75'	150'	900'	540'
80		800'	880'	960'	80'	160'	1000'	610'

\* Conventional Roads Only  
 \*\* Taper lengths have been rounded off.  
 L=Length of Taper (FT) W=Width of Offset (FT) S=Posted Speed (MPH)

TYPICAL USAGE				
MOBILE	SHORT DURATION	SHORT TERM STATIONARY	INTERMEDIATE TERM STATIONARY	LONG TERM STATIONARY
			✓	✓

- GENERAL NOTES**
- Flags attached to signs where shown, are REQUIRED.
  - All traffic control devices illustrated are REQUIRED, except those denoted with the triangle symbol may be omitted when stated elsewhere in the plans, or for routine maintenance work, when approved by the Engineer.
  - Channelizing devices used to close lanes may be supplemented with the Chevron Alignment Sign placed on every other channelizing device. Chevrons may be attached to plastic drums as per BC Standards.
  - Channelizing devices used along the work space or along tangent sections may be supplemented with vertical panels (VP) placed on every other channelizing device. If night time conditions make it difficult to see at least two VPs, the VPs may be placed on each channelizing device.
  - The placement of pavement markings may be omitted on Intermediate-term stationary work zones with the approval of the Engineer.
  - Shadow Vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. Shadow Vehicle with TMA and high intensity rotating, flashing, oscillating or strobe lights. A Shadow Vehicle with a TMA should be used anytime it can be positioned 30 to 100 feet in advance of the area of crew exposure without adversely affecting the performance or quality of the work. If workers are no longer present but road or work conditions require the traffic control to remain in place, Type 3 Barricades or other channelizing devices may be substituted for the Shadow Vehicle and TMA.
  - Additional Shadow Vehicles with TMAs may be positioned in each closed lane, on the shoulder or off the paved surface, next to those shown in order to protect a wider work space.

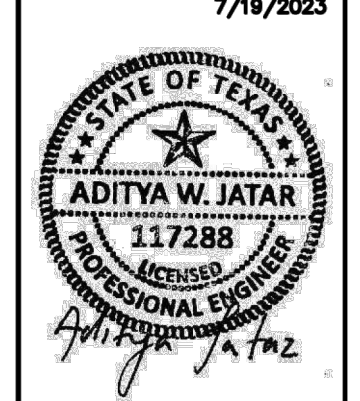
**Texas Department of Transportation**  
Traffic Operations Division Standard

**TRAFFIC CONTROL PLAN  
LANE CLOSURES ON  
DIVIDED HIGHWAYS**

**TCP (2-6) - 18**

FILE: tcp2-6-18.dgn	DN:	CK1:	DW:	CK1:
© TxDOT December 1985	CONT:	SECT:	JOB:	HIGHWAY:
2-94 4-98	REVISIONS			
8-95 2-12	DIST:	COUNTY:	SHEET NO.:	
1-97 2-18				

Consulting Services, LLC  
 9901 Bradley Lane 160-303  
 Austin, Texas 78748  
 Tel. (512) 632-7509  
 TBPE Registration Number: F-19220



**STANDARD DETAIL**

NEW HOPE CORPORATE PARK  
 TRAFFIC CONTROL PLAN  
 183A FRNTG. RD. N/B  
 CEDAR PARK TEXAS

DRAWN BY: AWJ  
 DESIGNED BY: AWJ  
 GA/OC-BJT  
 PROJECT NO.: 100415

SHEET  
**4**  
 OF 4

# Temporary Stormwater Section

## Texas Commission on Environmental Quality

for Regulated Activities on the Edwards Aquifer Recharge Zone and Relating to 30 TAC §213.5(b)(4)(A), (B), (D)(I) and (G); Effective June 1, 1999

*To ensure that the application is administratively complete, confirm that all fields in the form are complete, verify that all requested information is provided, consistently reference the same site and contact person in all forms in the application, and ensure forms are signed by the appropriate party.*

*Note: Including all the information requested in the form and attachments contributes to more streamlined technical reviews.*

### Signature

To the best of my knowledge, the responses to this form accurately reflect all information requested concerning the proposed regulated activities and methods to protect the Edwards Aquifer. This **Temporary Stormwater Section** is hereby submitted for TCEQ review and executive director approval. The application was prepared by:

Print Name of ~~Customer~~/Agent: Malone/Wheeler, Inc.

Date: 03/12/2024

Signature of Customer/Agent:



Regulated Entity Name: Central Texas Regional US 183A

### Project Information

#### Potential Sources of Contamination

*Examples: Fuel storage and use, chemical storage and use, use of asphaltic products, construction vehicles tracking onto public roads, and existing solid waste.*

1. Fuels for construction equipment and hazardous substances which will be used during construction:

N/A  The following fuels and/or hazardous substances will be stored on the site: \_\_\_\_\_

These fuels and/or hazardous substances will be stored in:

N/A  Aboveground storage tanks with a cumulative storage capacity of less than 250 gallons will be stored on the site for less than one (1) year.

N/A ■ Aboveground storage tanks with a cumulative storage capacity between 250 gallons and 499 gallons will be stored on the site for less than one (1) year.

N/A ■ Aboveground storage tanks with a cumulative storage capacity of 500 gallons or more will be stored on the site. An Aboveground Storage Tank Facility Plan application must be submitted to the appropriate regional office of the TCEQ prior to moving the tanks onto the project.

Fuels and hazardous substances will not be stored on the site.

2.  **Attachment A - Spill Response Actions.** A site specific description of the measures to be taken to contain any spill of hydrocarbons or hazardous substances is attached.

N/A 3. ■ Temporary aboveground storage tank systems of 250 gallons or more cumulative storage capacity must be located a minimum horizontal distance of 150 feet from any domestic, industrial, irrigation, or public water supply well, or other sensitive feature.

4.  **Attachment B - Potential Sources of Contamination.** A description of any activities or processes which may be a potential source of contamination affecting surface water quality is attached.

### ***Sequence of Construction***

5.  **Attachment C - Sequence of Major Activities.** A description of the sequence of major activities which will disturb soils for major portions of the site (grubbing, excavation, grading, utilities, and infrastructure installation) is attached.

For each activity described, an estimate (in acres) of the total area of the site to be disturbed by each activity is given.

For each activity described, include a description of appropriate temporary control measures and the general timing (or sequence) during the construction process that the measures will be implemented.

6.  Name the receiving water(s) at or near the site which will be disturbed or which will receive discharges from disturbed areas of the project: Cottonwood Creek

### ***Temporary Best Management Practices (TBMPs)***

*Erosion control examples: tree protection, interceptor swales, level spreaders, outlet stabilization, blankets or matting, mulch, and sod. Sediment control examples: stabilized construction exit, silt fence, filter dikes, rock berms, buffer strips, sediment traps, and sediment basins. Please refer to the Technical Guidance Manual for guidelines and specifications. All structural BMPs must be shown on the site plan.*

7.  **Attachment D – Temporary Best Management Practices and Measures.** TBMPs and measures will prevent pollution of surface water, groundwater, and stormwater. The construction-phase BMPs for erosion and sediment controls have been designed to retain sediment on site to the extent practicable. The following information is attached:

- A description of how BMPs and measures will prevent pollution of surface water, groundwater or stormwater that originates upgradient from the site and flows across the site.
  - A description of how BMPs and measures will prevent pollution of surface water or groundwater that originates on-site or flows off site, including pollution caused by contaminated stormwater runoff from the site.
  - A description of how BMPs and measures will prevent pollutants from entering surface streams, sensitive features, or the aquifer.
  - A description of how, to the maximum extent practicable, BMPs and measures will maintain flow to naturally-occurring sensitive features identified in either the geologic assessment, TCEQ inspections, or during excavation, blasting, or construction.
8.  The temporary sealing of a naturally-occurring sensitive feature which accepts recharge to the Edwards Aquifer as a temporary pollution abatement measure during active construction should be avoided.
- Attachment E - Request to Temporarily Seal a Feature.** A request to temporarily seal a feature is attached. The request includes justification as to why no reasonable and practicable alternative exists for each feature.
  - There will be no temporary sealing of naturally-occurring sensitive features on the site.
9.  **Attachment F - Structural Practices.** A description of the structural practices that will be used to divert flows away from exposed soils, to store flows, or to otherwise limit runoff discharge of pollutants from exposed areas of the site is attached. Placement of structural practices in floodplains has been avoided.
10.  **Attachment G - Drainage Area Map.** A drainage area map supporting the following requirements is attached:
- N/A  For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin will be provided.
  - N/A  For areas that will have more than 10 acres within a common drainage area disturbed at one time, a smaller sediment basin and/or sediment trap(s) will be used.
  - N/A  For areas that will have more than 10 acres within a common drainage area disturbed at one time, a sediment basin or other equivalent controls are not attainable, but other TBMPs and measures will be used in combination to protect down slope and side slope boundaries of the construction area.
  - N/A  There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. A smaller sediment basin and/or sediment trap(s) will be used in combination with other erosion and sediment controls within each disturbed drainage area.

- There are no areas greater than 10 acres within a common drainage area that will be disturbed at one time. Erosion and sediment controls other than sediment basins or sediment traps within each disturbed drainage area will be used.
11.  **Attachment H - Temporary Sediment Pond(s) Plans and Calculations.** Temporary sediment pond or basin construction plans and design calculations for a proposed temporary BMP or measure have been prepared by or under the direct supervision of a Texas Licensed Professional Engineer. All construction plans and design information must be signed, sealed, and dated by the Texas Licensed Professional Engineer. Construction plans for the proposed temporary BMPs and measures are attached.
- N/A
12.  **Attachment I - Inspection and Maintenance for BMPs.** A plan for the inspection of each temporary BMP(s) and measure(s) and for their timely maintenance, repairs, and, if necessary, retrofit is attached. A description of the documentation procedures, recordkeeping practices, and inspection frequency are included in the plan and are specific to the site and/or BMP.
13.  All control measures must be properly selected, installed, and maintained in accordance with the manufacturer's specifications and good engineering practices. If periodic inspections by the applicant or the executive director, or other information indicate a control has been used inappropriately, or incorrectly, the applicant must replace or modify the control for site situations.
14.  If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize offsite impacts to water quality (e.g., fugitive sediment in street being washed into surface streams or sensitive features by the next rain).
15.  Sediment must be removed from sediment traps or sedimentation ponds not later than when design capacity has been reduced by 50%. A permanent stake will be provided that can indicate when the sediment occupies 50% of the basin volume.
16.  Litter, construction debris, and construction chemicals exposed to stormwater shall be prevented from becoming a pollutant source for stormwater discharges (e.g., screening outfalls, picked up daily).

### ***Soil Stabilization Practices***

*Examples: establishment of temporary vegetation, establishment of permanent vegetation, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, or preservation of mature vegetation.*

17.  **Attachment J - Schedule of Interim and Permanent Soil Stabilization Practices.** A schedule of the interim and permanent soil stabilization practices for the site is attached.

18.  Records must be kept at the site of the dates when major grading activities occur, the dates when construction activities temporarily or permanently cease on a portion of the site, and the dates when stabilization measures are initiated.
19.  Stabilization practices must be initiated as soon as practicable where construction activities have temporarily or permanently ceased.

### ***Administrative Information***

20.  All structural controls will be inspected and maintained according to the submitted and approved operation and maintenance plan for the project.
21.  If any geologic or manmade features, such as caves, faults, sinkholes, etc., are discovered, all regulated activities near the feature will be immediately suspended. The appropriate TCEQ Regional Office shall be immediately notified. Regulated activities must cease and not continue until the TCEQ has reviewed and approved the methods proposed to protect the aquifer from any adverse impacts.
22.  Silt fences, diversion berms, and other temporary erosion and sediment controls will be constructed and maintained as appropriate to prevent pollutants from entering sensitive features discovered during construction.

**CONTRIBUTING ZONE EXCEPTION REQUEST  
TEMPORARY STORMWATER  
ATTACHMENT "A"**

**SPILL RESPONSE ACTIONS**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

Sources of spills would include accidents during refueling operations or damage to mechanical equipment. In addition to general care and good "housekeeping" practices, the following practices will be followed for accidental spill prevention and cleanup:

1. Site and construction personnel will be required to be aware of manufacturer's recommended methods for spill cleanup, the location of information, and the cleanup supplies.
2. Materials and equipment necessary for spill cleanup will be kept on-site in an accessible location known to site personnel.
3. All spills will be cleaned up immediately upon discovery.
4. All spill response actions shall comply with 30 TAC 327, Spill Prevention and Control, Texas Commission on Environmental Quality.

**CONTRIBUTING ZONE EXCEPTION REQUEST  
TEMPORARY STORMWATER  
ATTACHMENT "B"**

**POTENTIAL SOURCES OF CONTAMINANTS**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

The materials or substances listed below are expected to be used on-site during construction.

1. Concrete and concrete products
2. Asphaltic products
3. Petroleum-based products
4. Paints
5. Fertilizers
6. Lumber

The following procedures are potential sources of contamination:

1. Earth grading
2. Installation of asphalt and concrete
3. Moving/storage of soil
4. Construction traffic



**CONTRIBUTING ZONE EXCEPTION REQUEST  
TEMPORARY STORMWATER  
ATTACHMENT "C"**

**SEQUENCE OF MAJOR ACTIVITIES**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

1. CLEAR & GRUB (Area= 0.11 acres)
2. ROUGH GRADE (Area = 0.11 acres)
3. BASE AND PAVING APPLICATION (Area = 0.11 acres)
4. RESTORATION OF SITE (Area = 0.11 acres)

Inlet protection and silt fence shall be installed and maintained according to TxDOT standards throughout all phases of the construction project.

During the installation of base and paving application, the contractor shall use dust control measures such as irrigation trucks and mulching. Contractor will clean up spoils that migrate onto the roads a minimum of once daily.

**CONTRIBUTING ZONE EXCEPTION REQUEST  
TEMPORARY STORMWATER  
ATTACHMENT "D"**

**TEMPORARY BEST MANAGEMENT PRACTICES AND MEASURES**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

Inlet protection will be installed to stop the pollution of stormwater runoff by preventing soil and debris from entering storm drain inlets. Silt fences will be utilized to filter stormwater runoff and keep soil on the disturbed land, rather than letting it be washed off into natural water bodies. Silt fences downstream of disturbed areas shall be installed per the plans, maintained, and regularly inspected throughout the duration of all major construction activities until revegetation is complete. The revegetation shall be deemed complete when coverage is 85% on slopes of 0-5% and 95% on areas exceeding 5% slope with no bare areas greater than ten (10) square feet remaining. In addition to the installation of silt fencing and inlet protection, a concrete washout and a stabilized construction entrance will be provided for all traffic accessing the site.

**CONTRIBUTING ZONE EXCEPTION REQUEST  
TEMPORARY STORMWATER  
ATTACHMENT "E"**

**REQUEST TO TEMPORARILY SEAL A FEATURE, IF SEALING A  
FEATURE**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

Attachment E is not applicable, this project does not propose sealing a feature.

**CONTRIBUTING ZONE EXCEPTION REQUEST  
TEMPORARY STORMWATER  
ATTACHMENT "F"**

**STRUCTURAL PRACTICES**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

The following structural controls and procedures will be utilized on this project to limit runoff discharge of pollutants:

1. A stabilized construction entrance will be used for all traffic accessing the site.
2. Silt fences or rock berms will be installed downstream of all disturbed areas and remain in place until final site stabilization is achieved.
3. A washout will be in place for concrete trucks exiting the site.

**CONTRIBUTING ZONE EXCEPTION REQUEST  
TEMPORARY STORMWATER  
ATTACHMENT "H"**

**TEMPORARY SEDIMENT BASIN**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

No more than 10 acres of the site will be disturbed at one time; therefore, a temporary sediment basin is not required.

**CONTRIBUTING ZONE EXCEPTION REQUEST  
TEMPORARY STORMWATER  
ATTACHMENT "I"**

**INSPECTION AND MAINTENANCE OF TEMPORARY BMPS  
NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

Erosion and Sediment Control Inspection and Maintenance Practices

1. The Contractor will inspect the control measures weekly and within 24 hours after rainfall events of ½-inch or more.
2. Temporary construction entrances should be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. All sediment spilled, dropped washed or tracked onto public rights-of-way should be removed immediately by contractor.
3. Repairs will be made to damaged areas as soon as practicable after damage is discovered but no later than seven days after the inspection.
4. Build-up sediment will be removed once it has reached maximum depth of six inches.
5. Temporary and permanent seeding shall be irrigated or sprinkled in a manner that will not erode topsoil, and at sufficient quantity and intervals to achieve restoration requirements. Irrigation shall occur at ten-day intervals during the first two months. Rainfall of ½-inch or more shall postpone watering schedule by one week.
6. The Contractor will be responsible for ensuring maintenance of the erosion and sedimentation controls. The Owner (and/or qualified agents) and Contractor shall be independently responsible for inspection of the controls, and for required record keeping (see sample inspection and maintenance report).
7. If sediment escapes the construction site, off-site accumulations of sediment must be removed at a frequency sufficient to minimize off-site impacts.

**CONTRIBUTING ZONE EXCEPTION REQUEST  
TEMPORARY STORMWATER  
ATTACHMENT “J”**

**SCHEDULE OF INTERIM AND PERMANENT  
SOIL STABILIZATION PRACTICES**

**NEW HOPE WEST PHASE CTRMA HWY 183A TURN LANE**

<b>Soil Stabilization Practice</b>	<b>Schedule of Implementation</b>
Silt Fences	Prior to and throughout site development
Stabilized Construction Entrance	Prior to and throughout site development
Concrete Wash Out	Prior to and throughout site development
Temporary Stabilization	Temporary stabilization of disturbed areas must be initiated immediately whenever any earth disturbing activities have temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
Permanent Restoration and Revegetation	Permanent stabilization of disturbed areas must be initiated immediately whenever earth disturbing activities have permanently ceased

**Agent Authorization Form**  
For Required Signature  
Edwards Aquifer Protection Program  
Relating to 30 TAC Chapter 213  
Effective June 1, 1999

I Mike A. Sexton, P.E.  
\_\_\_\_\_ ,  
Print Name

Director of Engineering  
\_\_\_\_\_  
Title - Owner/President/Other

of Central Texas Regional Mobility Authority (CTRMA)  
\_\_\_\_\_  
Corporation/Partnership/Entity Name

have authorized Dan Brown, P.E.  
\_\_\_\_\_  
Print Name of Agent/Engineer

of Malone Wheeler, Inc.  
\_\_\_\_\_  
Print Name of Firm

to represent and act on the behalf of the above named Corporation, Partnership, or Entity for the purpose of preparing and submitting this plan application to the Texas Commission on Environmental Quality (TCEQ) for the review and approval consideration of regulated activities.

I also understand that:

1. The applicant is responsible for compliance with 30 Texas Administrative Code Chapter 213 and any condition of the TCEQ's approval letter. The TCEQ is authorized to assess administrative penalties of up to \$10,000 per day per violation.
2. For those submitting an application who are not the property owner, but who have the right to control and possess the property, additional authorization is required from the owner.
3. Application fees are due and payable at the time the application is submitted. The application fee must be sent to the TCEQ cashier or to the appropriate regional office. The application will not be considered until the correct fee is received by the commission.
4. A notarized copy of the Agent Authorization Form must be provided for the person preparing the application, and this form must accompany the completed application.
5. No person shall commence any regulated activity on the Edwards Aquifer Recharge Zone, Contributing Zone or Transition Zone until the appropriate application for the activity has been filed with and approved by the Executive Director.



SIGNATURE PAGE:

Michael Sexton  
Applicant's Signature

1/18/2024  
Date

THE STATE OF TEXAS §

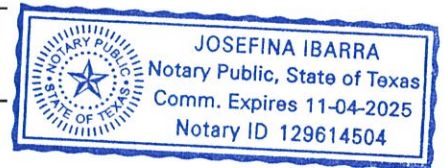
County of Travis §

BEFORE ME, the undersigned authority, on this day personally appeared Michael Sexton known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that (s)he executed same for the purpose and consideration therein expressed.

GIVEN under my hand and seal of office on this 18<sup>th</sup> day of January, 2024.

Josefina Ibarra  
NOTARY PUBLIC

Josefina Ibarra  
Typed or Printed Name of Notary



MY COMMISSION EXPIRES: 11-04-2025

# Application Fee Form

**Texas Commission on Environmental Quality**

Name of Proposed Regulated Entity: Central Texas Regional US 183A  
 Regulated Entity Location: US 183 from Lakeline Blvd to South fork of San Gabriel River  
 Name of Customer: Central Texas Regional Mobility Authority  
 Contact Person: Dan Brown, P.E. Phone: 512-899-0601  
 Customer Reference Number (if issued): CN 602672263  
 Regulated Entity Reference Number (if issued): RN104348743  
**Austin Regional Office (3373)**

- Hays  Travis  Williamson

**San Antonio Regional Office (3362)**

- Bexar  Medina  Uvalde  
 Comal  Kinney

Application fees must be paid by check, certified check, or money order, payable to the **Texas Commission on Environmental Quality**. Your canceled check will serve as your receipt. **This form must be submitted with your fee payment.** This payment is being submitted to:

- Austin Regional Office  San Antonio Regional Office  
 Mailed to: TCEQ - Cashier  Overnight Delivery to: TCEQ - Cashier  
 Revenues Section 12100 Park 35 Circle  
 Mail Code 214 Building A, 3rd Floor  
 P.O. Box 13088 Austin, TX 78753  
 Austin, TX 78711-3088 (512)239-0357

**Site Location (Check All That Apply):**

- Recharge Zone  Contributing Zone  Transition Zone

Type of Plan	Size	Fee Due
Water Pollution Abatement Plan, Contributing Zone Plan: One Single Family Residential Dwelling	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Multiple Single Family Residential and Parks	Acres	\$
Water Pollution Abatement Plan, Contributing Zone Plan: Non-residential	Acres	\$
Sewage Collection System	L.F.	\$
Lift Stations without sewer lines	Acres	\$
Underground or Aboveground Storage Tank Facility	Tanks	\$
Piping System(s)(only)	Each	\$
Exception	Each	\$ 500.00
Extension of Time	Each	\$

Signature: 

Date: 3.12.24

# Application Fee Schedule

Texas Commission on Environmental Quality

Edwards Aquifer Protection Program 30 TAC Chapter 213 (effective 05/01/2008)

## *Water Pollution Abatement Plans and Modifications*

### *Contributing Zone Plans and Modifications*

<i>Project</i>	<i>Project Area in Acres</i>	<i>Fee</i>
One Single Family Residential Dwelling	< 5	\$650
Multiple Single Family Residential and Parks	< 5	\$1,500
	5 < 10	\$3,000
	10 < 40	\$4,000
	40 < 100	\$6,500
	100 < 500	\$8,000
	≥ 500	\$10,000
Non-residential (Commercial, industrial, institutional, multi-family residential, schools, and other sites where regulated activities will occur)	< 1	\$3,000
	1 < 5	\$4,000
	5 < 10	\$5,000
	10 < 40	\$6,500
	40 < 100	\$8,000
	≥ 100	\$10,000

### *Organized Sewage Collection Systems and Modifications*

<i>Project</i>	<i>Cost per Linear Foot</i>	<i>Minimum Fee- Maximum Fee</i>
Sewage Collection Systems	\$0.50	\$650 - \$6,500

### *Underground and Aboveground Storage Tank System Facility Plans and Modifications*

<i>Project</i>	<i>Cost per Tank or Piping System</i>	<i>Minimum Fee- Maximum Fee</i>
Underground and Aboveground Storage Tank Facility	\$650	\$650 - \$6,500

### *Exception Requests*

<i>Project</i>	<i>Fee</i>
Exception Request	\$500

### *Extension of Time Requests*

<i>Project</i>	<i>Fee</i>
Extension of Time Request	\$150



# TCEQ Core Data Form

For detailed instructions on completing this form, please read the Core Data Form Instructions or call 512-239-5175.

## SECTION I: General Information

<b>1. Reason for Submission</b> (If other is checked please describe in space provided.)		
<input type="checkbox"/> New Permit, Registration or Authorization (Core Data Form should be submitted with the program application.)		
<input type="checkbox"/> Renewal (Core Data Form should be submitted with the renewal form)	<input checked="" type="checkbox"/> Other <b>CZP Exception Request</b>	
<b>2. Customer Reference Number</b> (if issued)	<a href="#">Follow this link to search for CN or RN numbers in Central Registry**</a>	<b>3. Regulated Entity Reference Number</b> (if issued)
CN 602672263		RN 104348743

## SECTION II: Customer Information

<b>4. General Customer Information</b>		<b>5. Effective Date for Customer Information Updates</b> (mm/dd/yyyy)	
<input type="checkbox"/> New Customer		<input type="checkbox"/> Update to Customer Information	
<input type="checkbox"/> Change in Legal Name (Verifiable with the Texas Secretary of State or Texas Comptroller of Public Accounts)		<input type="checkbox"/> Change in Regulated Entity Ownership	
<div style="border: 1px solid red; padding: 2px;">Below information remains unchanged from previously approved application for Customer (CN 602672263)</div>			
<i>The Customer Name submitted here may be updated automatically based on what is current and active with the Texas Secretary of State (SOS) or Texas Comptroller of Public Accounts (CPA).</i>			
<b>6. Customer Legal Name</b> (If an individual, print last name first: eg: Doe, John)		<i>If new Customer, enter previous Customer below:</i>	
<b>7. TX SOS/CPA Filing Number</b>	<b>8. TX State Tax ID</b> (11 digits)	<b>9. Federal Tax ID</b> (9 digits)	<b>10. DUNS Number</b> (if applicable)
<b>11. Type of Customer:</b>		Partnership: <input type="checkbox"/> General <input type="checkbox"/> Limited	
<input type="checkbox"/> Corporation		<input type="checkbox"/> Individual	
Government: <input type="checkbox"/> City <input type="checkbox"/> County <input type="checkbox"/> Federal <input type="checkbox"/> Local <input type="checkbox"/> State <input type="checkbox"/> Other		<input type="checkbox"/> Sole Proprietorship <input type="checkbox"/> Other:	
<b>12. Number of Employees</b>		<b>13. Independently Owned and Operated?</b>	
<input type="checkbox"/> 0-20 <input type="checkbox"/> 21-100 <input type="checkbox"/> 101-250 <input type="checkbox"/> 251-500 <input type="checkbox"/> 501 and higher		<input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>14. Customer Role</b> (Proposed or Actual) – as it relates to the Regulated Entity listed on this form. Please check one of the following			
<input type="checkbox"/> Owner <input type="checkbox"/> Operator <input type="checkbox"/> Owner & Operator <input type="checkbox"/> Other:			
<input type="checkbox"/> Occupational Licensee <input type="checkbox"/> Responsible Party <input type="checkbox"/> VCP/BSA Applicant			
<b>15. Mailing Address:</b>			
City	State	TX	ZIP
<b>16. Country Mailing Information</b> (if outside USA)		<b>17. E-Mail Address</b> (if applicable)	
<b>18. Telephone Number</b>		<b>19. Extension or Code</b>	<b>20. Fax Number</b> (if applicable)

( ) - | ( ) -

## SECTION III: Regulated Entity Information

<b>21. General Regulated Entity Information</b> <i>(If 'New Regulated Entity' is selected, a new permit application is also required.)</i>							
<input type="checkbox"/> New Regulated Entity <input type="checkbox"/> Update to Regulated Entity Name <input checked="" type="checkbox"/> Update to Regulated Entity Information							
<i>The Regulated Entity Name submitted may be updated, in order to meet TCEQ Core Data Standards (removal of organizational endings such as Inc, LP, or LLC).</i>							
<b>22. Regulated Entity Name</b> <i>(Enter name of the site where the regulated action is taking place.)</i>							
US 183A							
<b>23. Street Address of the Regulated Entity:</b> <i>(No PO Boxes)</i>							
		<b>City</b>		<b>State</b>		<b>ZIP</b>	
						<b>ZIP + 4</b>	
<b>24. County</b>		Williamson					

If no Street Address is provided, fields 25-28 are required.

<b>25. Description to Physical Location:</b>		The proposed turn lane is located approximately 1,000 L.F. north of the intersection of New Hope Drive and 183A in Cedar Park, Texas in the northbound access road of 183A. Eagle Pond will be treating the proposed turn lane. Eagle Pond was previously permitted in CZP Permit 11-04071601D.					
<b>26. Nearest City</b>				<b>State</b>		<b>Nearest ZIP Code</b>	
Cedar Park				TX		78613	
<i>Latitude/Longitude are required and may be added/updated to meet TCEQ Core Data Standards. (Geocoding of the Physical Address may be used to supply coordinates where none have been provided or to gain accuracy).</i>							
<b>27. Latitude (N) In Decimal:</b>		30.539662		<b>28. Longitude (W) In Decimal:</b>		-97.815430	
Degrees	Minutes	Seconds	Degrees	Minutes	Seconds		
30	32	22.8	97	48	55.6		
<b>29. Primary SIC Code</b> (4 digits)		<b>30. Secondary SIC Code</b> (4 digits)		<b>31. Primary NAICS Code</b> (5 or 6 digits)		<b>32. Secondary NAICS Code</b> (5 or 6 digits)	
1611		1622		237310			
<b>33. What is the Primary Business of this entity?</b> <i>(Do not repeat the SIC or NAICS description.)</i>							
Government agency to improve transportation in Williamson & Travis Counties.							
<b>34. Mailing Address:</b>							
		<b>City</b>		<b>State</b>		<b>ZIP</b>	
						<b>ZIP + 4</b>	
<b>35. E-Mail Address:</b>							
<b>36. Telephone Number</b>			<b>37. Extension or Code</b>			<b>38. Fax Number</b> <i>(if applicable)</i>	
( ) -						( ) -	

**39. TCEQ Programs and ID Numbers** Check all Programs and write in the permits/registration numbers that will be affected by the updates submitted on this form. See the Core Data Form instructions for additional guidance.


<input type="checkbox"/> Dam Safety	<input type="checkbox"/> Districts	<input checked="" type="checkbox"/> Edwards Aquifer	<input type="checkbox"/> Emissions Inventory Air	<input type="checkbox"/> Industrial Hazardous Waste
<input type="checkbox"/> Municipal Solid Waste	<input type="checkbox"/> New Source Review Air	<input type="checkbox"/> OSSF	<input type="checkbox"/> Petroleum Storage Tank	<input type="checkbox"/> PWS
<input type="checkbox"/> Sludge	<input type="checkbox"/> Storm Water	<input type="checkbox"/> Title V Air	<input type="checkbox"/> Tires	<input type="checkbox"/> Used Oil
<input type="checkbox"/> Voluntary Cleanup	<input type="checkbox"/> Wastewater	<input type="checkbox"/> Wastewater Agriculture	<input type="checkbox"/> Water Rights	<input type="checkbox"/> Other:

**SECTION IV: Preparer Information**

<b>40. Name:</b>	Eduardo Aguirre	<b>41. Title:</b>	Graduate Engineer
<b>42. Telephone Number</b>	<b>43. Ext./Code</b>	<b>44. Fax Number</b>	<b>45. E-Mail Address</b>
( 315 ) 868-2402		( ) -	eduardoa@malonewheeler.com

**SECTION V: Authorized Signature**

46. By my signature below, I certify, to the best of my knowledge, that the information provided in this form is true and complete, and that I have signature authority to submit this form on behalf of the entity specified in Section II, Field 6 and/or as required for the updates to the ID numbers identified in field 39.

<b>Company:</b>	Malone Wheeler, Inc.	<b>Job Title:</b>	Agent authorized by CTRMA (01/18/24)
<b>Name (In Print):</b>	Dan Brown	<b>Phone:</b>	( 512 ) 899- 0601
<b>Signature:</b>		<b>Date:</b>	04/01/24