

CONSTRUCTION CONTRACT CHANGE ORDER NUMBER: 004

1. CONTRACTOR: ICON

2. Change Order Work Limits: Sta. 83+00 to Sta. 107+00

3. Type of Change (on federal-aid non-exempt projects): _____ (Major/Minor)

4. Describe the change and the reason for the change order. When necessary, include exceptions to this agreement.

The CR 58 project has two detention ponds located in between CR 58 and Angelina Dr. At the pre-construction meeting, The Brazoria Drainage District No. 4 (BDD4) had discussed the design with the construction team. BDD4 design standards do not allow the use of SETs within detention ponds. This is to limit erosion and allow for the ponds to be maintained. Therefore, BDD4 provided the included details for slope paving to be placed at each SET.

CCSJ: 0912-31-304

Project: _____

Highway: CR 58

County: Brazoria County

District: Houston

Contract Number: _____

5. New or revised plan sheet(s) are attached and numbered: 145A

Each signatory hereby warrants that each has the authority to execute this Change Order.

By signing this change order, the contractor agrees to waive any and all claims for additional compensation due to any and all other expenses; additional changes for time, overhead and profit; or loss of compensation as a result of this change. Further, the contractor agrees that this agreement is made in accordance with Item 4 and the Contract. Exceptions should be noted in the response for #5 above.

THE CONTRACTOR _____ Date _____

By _____

Typed/Printed Name _____

Typed/Printed Title _____

The following information must be provided

Time Ext. #: N/A Days added on this C.O.: N/A

Amt. added by this change order: \$55,261.22

For TxDOT use only:

Days participating: _____

Amount participating: _____

Signature _____ Date _____

Name/Title _____

RECOMMENDED FOR EXECUTION:

Name/Title _____ Date _____

Name/Title _____ Date _____

☐ APPROVED

☐ REQUEST APPROVAL

Name/Title _____ Date _____

Name/Title _____ Date _____

☐ APPROVED

☐ REQUEST APPROVAL

Name/Title _____ Date _____

Name/Title _____ Date _____

☐ APPROVED

☐ REQUEST APPROVAL

Name/Title _____ Date _____

Name/Title _____ Date _____

☐ APPROVED

Engineer's Seal:



Client: Brazoria County

Project: CR 58 Widening From CR 48 to Sav

Number: C14-001-58

Change Details

Submitted To Name: Winkler, Mike

Submitted To Company: AECOM

Submitted By Name: Winkler, Mike

Submitted By Company: AECOM

Change ID (External #): CHG-2024-0004

Summary Description:

Slope Paving for SETs in Detention Pond

Status of Change: 2) RE Approved (8/5/2024 4:37 PM)

Change Value:

Cost: \$55,261.22

Schedule: 0 day(s)

Detailed Description of Change:

The CR 58 project has two detention ponds located in between CR 58 and Angelina Dr. The detention ponds are designed to be connected with a 6' x 3' Reinforced Concrete Box Culvert (RCB) and to receive the road and ditch drainage through underground drainage laterals. The RCB as well as each lateral has an SET on the end which is within the detention pond.

At the pre-construction meeting, The Brazoria Drainage District No. 4 (BDD4) had discussed the design with the construction team. BDD4 design standards do not allow the use of SETs within detention ponds. This is to limit erosion and allow for the ponds to be maintained. Therefore, BDD4 provided the included details for slope paving to be placed at each SET.

The attached plan sheets 132 – 135 show the SETs that are included with this change order. There are 12 EA – 24" SETs; 1 EA – 30" SET; and 3 EA – 6' x 3' SETs. Using the BDD4 details, the estimated work quantities are:

- 24" SET – 30 LF toe wall, 53 SF slope paving
- 30" SET – 35 LF toe wall, 62 SF slope Paving
- 6' x 3' SET – 50 LF toe wall, 92 SF slope paving

Attachment List

Image	File Name	Link Expires	Notes
	Change Detail - 6/25/2024 9:29 AM.pdf	2/5/2025	

NOT VALID UNTIL SIGNED BY THE CONTRACTOR/OWNER/SUBCONTRACTOR

ACCEPTED:

CONTRACTOR/OWNER/SUBCONTRACTOR:

By: _____

By: _____

PRINT NAME/TITLE

PRINT NAME/TITLE

Date: _____

Date: _____

Matt Hanks, P.E., CFM
COUNTY ENGINEER



Karen McKinnon, P.E.
ASST. COUNTY ENGINEER

Wael Tabara, P.E., CFM
ASST. COUNTY ENGINEER

(979) 864-1265
ANGLETON

(979) 388-1265
CLUTE

(281) 756-1265
HOUSTON

(979) 864-1270
FAX

BRAZORIA COUNTY ENGINEERING

451 N VELASCO, SUITE 230
ANGLETON, TEXAS 77515

Document Type: Change Order Memorandum
Subject: Change Order 04
Project: 0912-31-304; CR 58
Description: Slope Paving for Detention Pond SETs

Change Order No. 4 (CO 4) provides new work items to place slope paving with a tow wall around the Safety End Treatments (SETs) located within the detention pond. This change order does not impact the critical path, therefore no time adjustments are made.

The contract plans, designed by Austin Mclean, P.E., of McDonough Engineering, provide for the reconstruction and widening of CR 58 from CR 48 to the Savannah Development. The Contractor, ICON, remains on-site and continues to perform the contract according to the plans and the 2014 Texas Standard Specifications. All change order work is within the project limits.

The CR 58 project has two detention ponds located in between CR 58 and Angelina Dr. The detention ponds are designed to be connected with a 6' x 3' Reinforced Concrete Box Culvert (RCB) and to receive the road and ditch drainage through underground drainage laterals. The RCB as well as each lateral has an SET on the end which is within the detention pond.

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The attached plan sheets 132 – 135 show the SETs that are included with this change order. There are 12 EA – 24" SETs; 1 EA – 30" SET; and 3 EA – 6' x 3' SETs. Using the BDD4 details, the estimated work quantities are:

- 24" SET – 30 LF toe wall, 53 SF slope paving
- 30" SET – 35 LF toe wall, 62 SF slope Paving
- 6' x 3' SET – 50 LF toe wall, 92 SF slope paving

The Contractor has submitted unit pricing for the two work items requested by BDD4. The Contractor's estimated costs are \$55,261.22 for the change order work. This breaks down to an approximate unit price of \$4,719.15/CY for the additional work. This is above the Houston District Average Low Bid Price, however the work is specialized and in a restricted area. The contractor will be required to perform the work according to the drainage district standards as well as excavate and re-grade the area. This additional work can account for the additional cost. Therefore, this pricing is considered fair and reasonable.

The total additional cost of this change order is \$55,261.22. This change order funding will utilize federal participation at the rate specified in the Advanced Funding Agreement (AFA). This agreement states that federal reimbursement rate is 80% of the cost while the local government is responsible for 20%. Therefore, the local government will be responsible for \$11,052.24 while the federal participation amount will be \$44,208.98

This change order includes the BDD4 slope paving details as added plan sheet 145A.

No amended or additional environmental clearance, permits or authorizations are required for this change order.

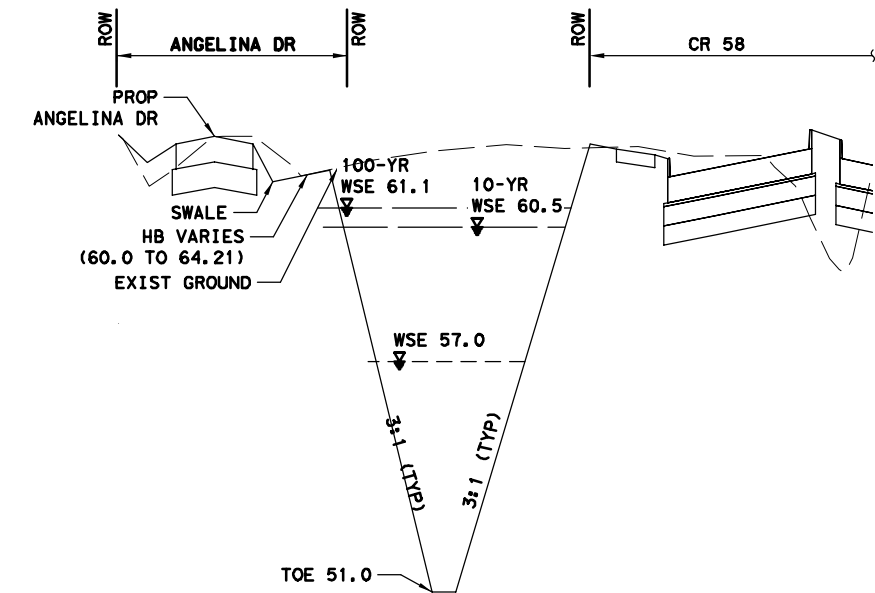
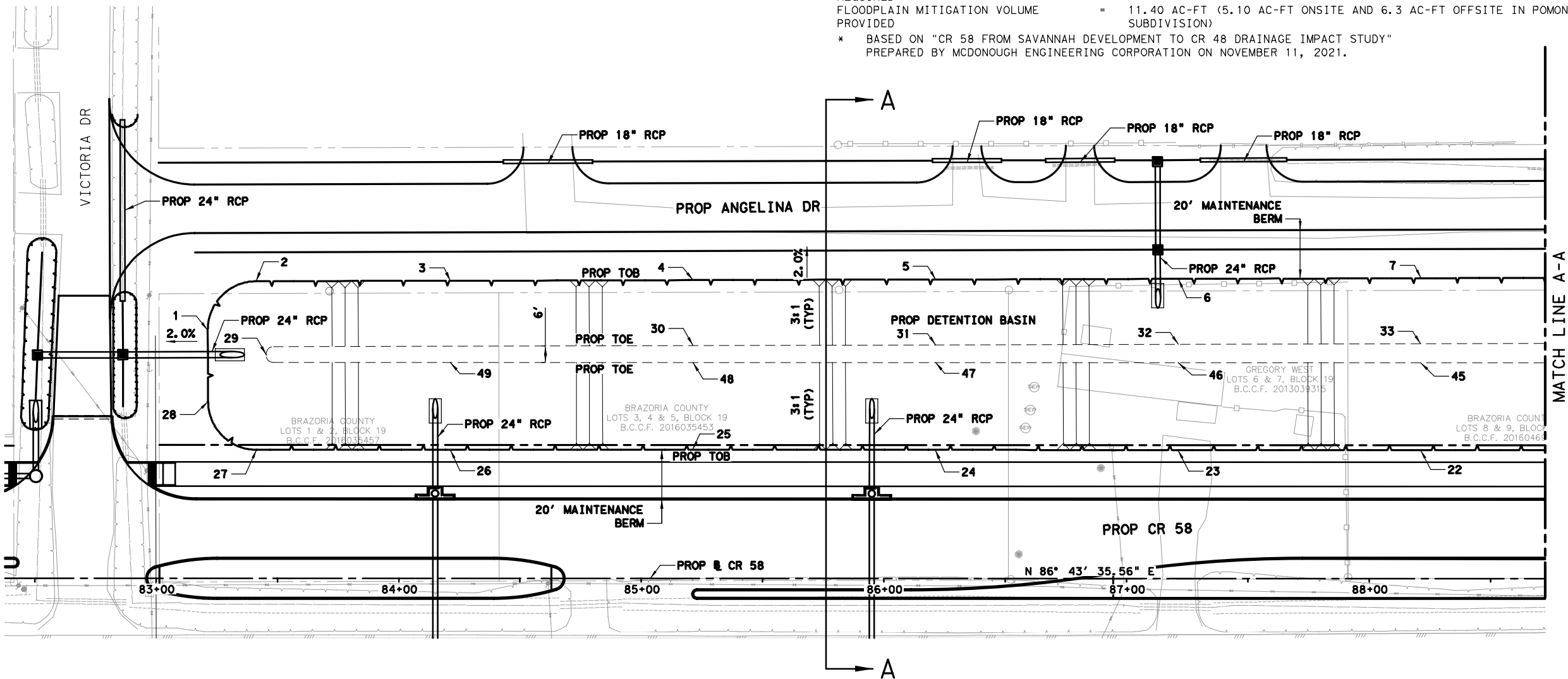
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8/24/2022

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DETENTION AND FLOODPLAIN MITIGATION DATA*:
DRAINAGE SERVICE AREA = 98.9 AC
MIN. DETENTION STORAGE REQUIRED = 3.7 AC-FT (BASED ON 0.65 AC-FT OF INCREASED IMPERVIOUS COVER)
DETENTION STORAGE REQUIRED = 4.1 AC-FT (BASED ON HYDROGRAPH COMPARISON)
DETENTION STORAGE PROVIDED = 4.1 AC-FT
FLOODPLAIN MITIGATION VOLUME REQUIRED = 11.06 AC-FT
FLOODPLAIN MITIGATION VOLUME PROVIDED = 11.40 AC-FT (5.10 AC-FT ONSITE AND 6.3 AC-FT OFFSITE IN POMONA SUBDIVISION)
* BASED ON "CR 58 FROM SAVANNAH DEVELOPMENT TO CR 48 DRAINAGE IMPACT STUDY"
PREPARED BY MCDONOUGH ENGINEERING CORPORATION ON NOVEMBER 11, 2021.



POINT	NORTHING (Y)	EASTING (X)	ELEV (FT)
1	13752827.1652	3106122.5969	63.85
2	13752848.3632	3106141.3629	62.89
3	13752853.1519	3106221.3029	62.45
4	13752859.1316	3106321.1248	62.60
5	13752865.1113	3106420.9467	61.75
6	13752871.0910	3106520.7686	61.41
7	13752877.0707	3106620.5905	61.11
22	13752806.3453	3106624.5352	63.47
23	13752800.6351	3106524.6983	63.10
24	13752794.9250	3106424.8613	62.74
25	13752789.2148	3106325.0244	63.10
26	13752783.5047	3106225.1875	63.72
27	13752778.9483	3106145.5230	64.21
28	13752797.6819	3106124.4191	64.19
29	13752818.3729	3106147.1861	51.00
30	13752832.1733	3106322.6284	51.00
31	13752838.1530	3106422.4503	51.00
32	13752844.1327	3106522.2722	51.00
33	13752850.1124	3106622.0941	51.00
45	13752842.2895	3106622.5304	51.00
46	13752836.5793	3106522.6935	51.00
47	13752830.8692	3106422.8566	51.00
48	13752825.1590	3106323.0196	51.00
49	13752819.4489	3106223.1827	51.00

NOTES:
1. VARIANCE FOR 3:1 SIDESLOPES APPROVED BY BDD#4 BY LETTER DATED JULY 7, 2020. (BDD#4 REF ID# 19142)
2. VARIANCE FOR 20' MAINTENANCE BERM APPROVED BY BDD#4 BY LETTER DATED APRIL 7, 2020. (BDD#4 REF ID#19142)

WARNING:
OVERHEAD AND UNDERGROUND UTILITIES MAY EXIST IN THE VICINITY OF THIS PROJECT. LOCATIONS SHOWN FOR EXISTING UTILITIES ARE APPROXIMATE AND OTHER UTILITIES MAY EXIST IN THE VICINITY OF THE PROJECT WHICH ARE NOT SHOWN ON THE PLANS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL EXISTING UTILITIES, IN THE VICINITY OF THE PROJECT, PRIOR TO BEGINNING CONSTRUCTION.



0' 25' 50'

LEGEND:

- XX-XXXXXX
XX.XX DRAINAGE AREA NO
AREA IN ACRES
DITCH
DRAINAGE BOUNDARY
PROPOSED DIRECTION
OF STORM WATER FLOW

NOTE: POND WILL BE PROVIDED WITH AERATION SYSTEM.



MCDONOUGH
Civil Engineers & Project Managers
TBPLS Firm Registration No. 10103900
TBPE Registration No. F-000340
5625 Schumacher Lane Houston, Texas 77057 (713) 975-9990 www.mectx.com



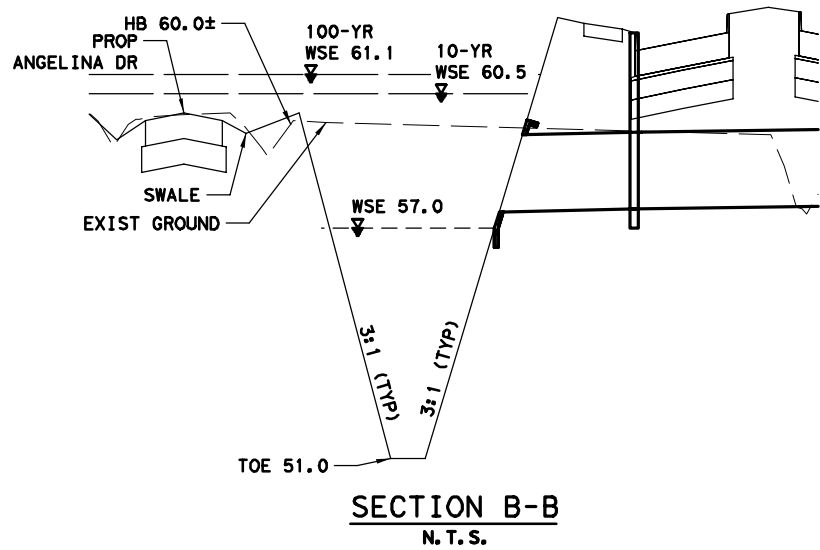
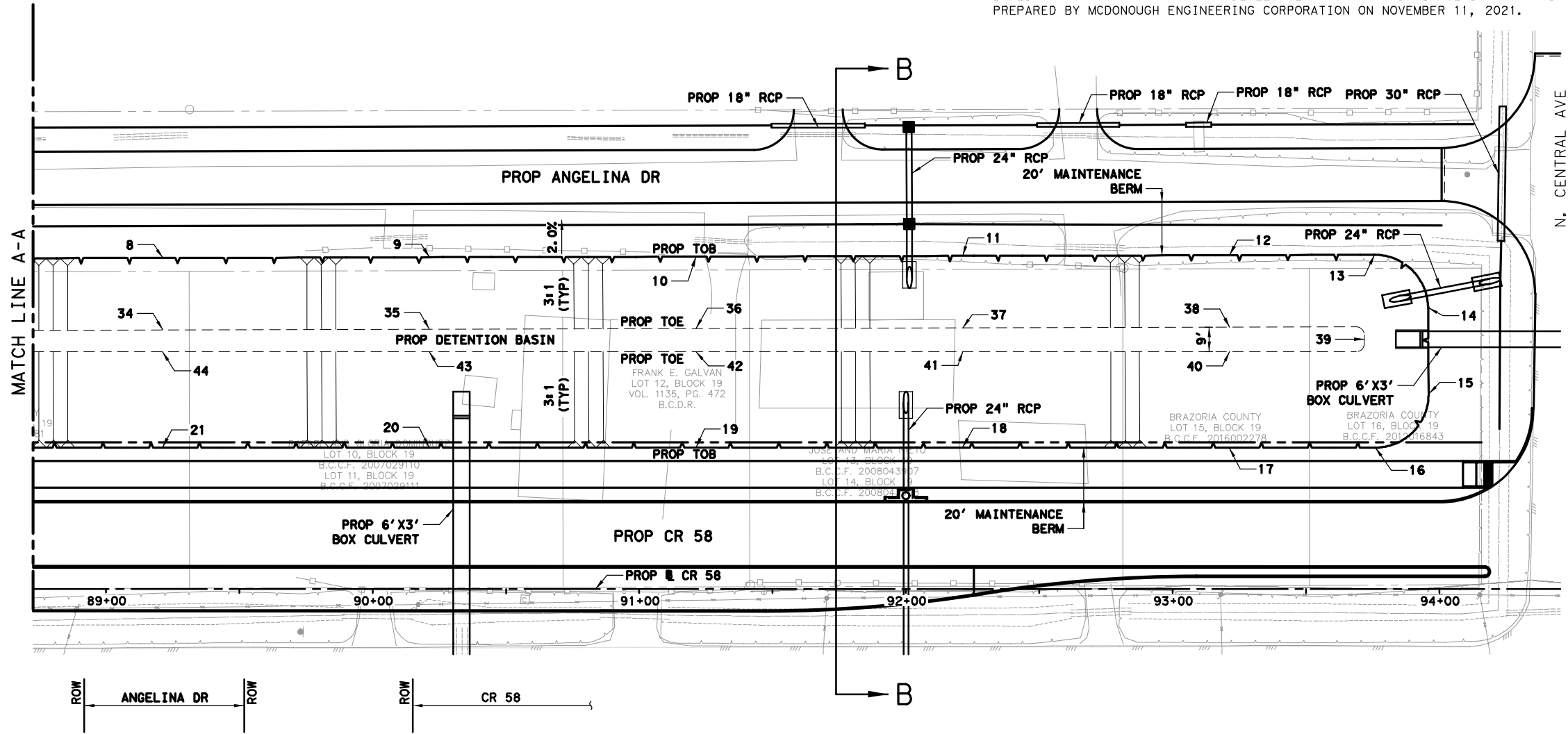
**BRAZORIA COUNTY
ENGINEERING DEPARTMENT**

**CR 58
FROM SAVANNAH DEVELOPMENT TO CR 48
DETENTION POND
LAYOUT**

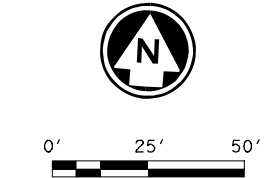
SHEET 1 of 4

FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
12	TEXAS	STP 1702(437)MM			CR 58
STATE DISTRICT	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
HOU	BRAZORIA	0912	31	304	132

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DETENTION AND FLOODPLAIN MITIGATION DATA*:
DRAINAGE SERVICE AREA = 98.9 AC
MIN. DETENTION STORAGE REQUIRED = 3.7 AC-FT (BASED ON 0.65 AC-FT OF INCREASED IMPERVIOUS COVER)
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* BASED ON "CR 58 FROM SAVANNAH DEVELOPMENT TO CR 48 DRAINAGE IMPACT STUDY" PREPARED BY MCDONOUGH ENGINEERING CORPORATION ON NOVEMBER 11, 2021.



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- XX-XXXXXX
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- DRAINAGE BOUNDARY
- PROPOSED DIRECTION
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NOTE: POND WILL BE PROVIDED
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POINT	NORTHING (Y)	EASTING (X)	ELEV (FT)
8	13752883.0504	3106720.4124	60.68
9	13752889.0301	3106820.2344	60.50
10	13752895.0098	3106920.0563	60.20
11	13752900.9895	3107019.8782	60.00
12	13752906.9693	3107119.7001	60.00
13	13752910.2204	3107173.9725	60.00
14	13752891.5265	3107195.1281	60.00
15	13752859.2592	3107197.1817	60.00
16	13752838.0214	3107178.3642	63.06
17	13752834.8961	3107123.7199	62.87
18	13752829.1859	3107023.8830	62.51
19	13752823.4758	3106924.0460	62.77
20	13752817.7656	3106824.2091	63.18
21	13752812.0555	3106724.3721	63.59
34	13752856.0921	3106721.9160	51.00
35	13752862.0718	3106821.7379	51.00
36	13752868.0515	3106921.5598	51.00
37	13752874.0312	3107021.3817	51.00
38	13752880.0109	3107121.2036	51.00
39	13752878.3950	3107171.9153	51.00
40	13752870.8402	3107121.7151	51.00
41	13752865.1301	3107021.8782	51.00
42	13752859.4199	3106922.0413	51.00
43	13752853.7098	3106822.2043	51.00
44	13752847.9996	3106722.3674	51.00

NOTES:
1. VARIANCE FOR 3:1 SIDESLOPES APPROVED
BY BDD#4 BY LETTER DATED JULY 7, 2020.
(BDD#4 REF ID# 19142)
2. VARIANCE FOR 20' MAINTENANCE BERM
APPROVED BY BDD#4 BY LETTER DATED
APRIL 7, 2020. (BDD#4 REF ID#19142)

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STATE OF TEXAS
CONORR MCBRIDE
122323
LICENSED PROFESSIONAL ENGINEER
3-15-22

MCDONOUGH
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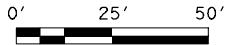
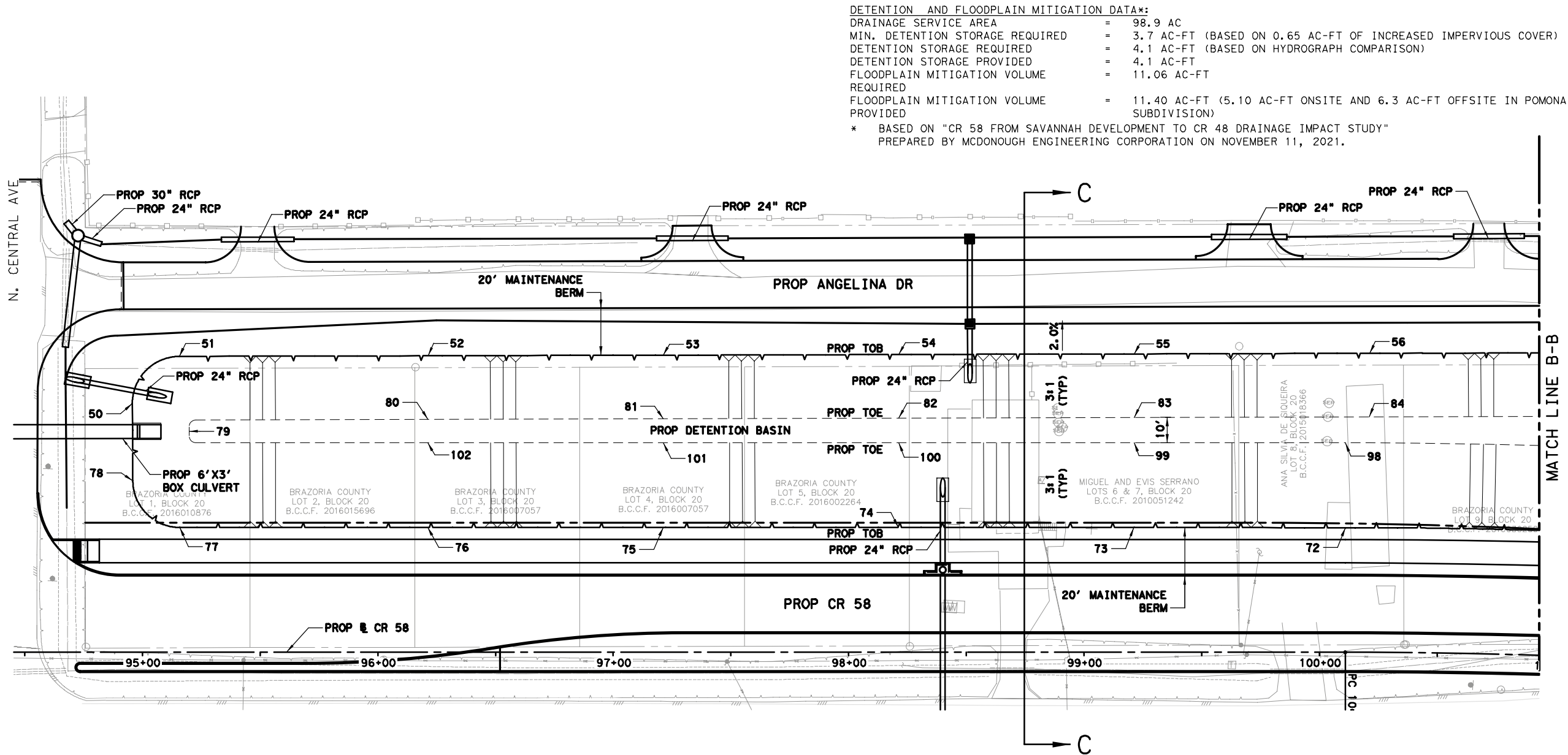
BRAZORIA COUNTY
ENGINEERING DEPARTMENT

CR 58
FROM SAVANNAH DEVELOPMENT TO CR 48
DETENTION POND
LAYOUT

SHEET 2 of 4

FED. RD. DIV. NO.	STATE	PROJECT NO.	HIGHWAY NO.		
12	TEXAS	STP 1702(437)MM	CR 58		
STATE DISTRICT	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
HOU	BRAZORIA	0912	31	304	133

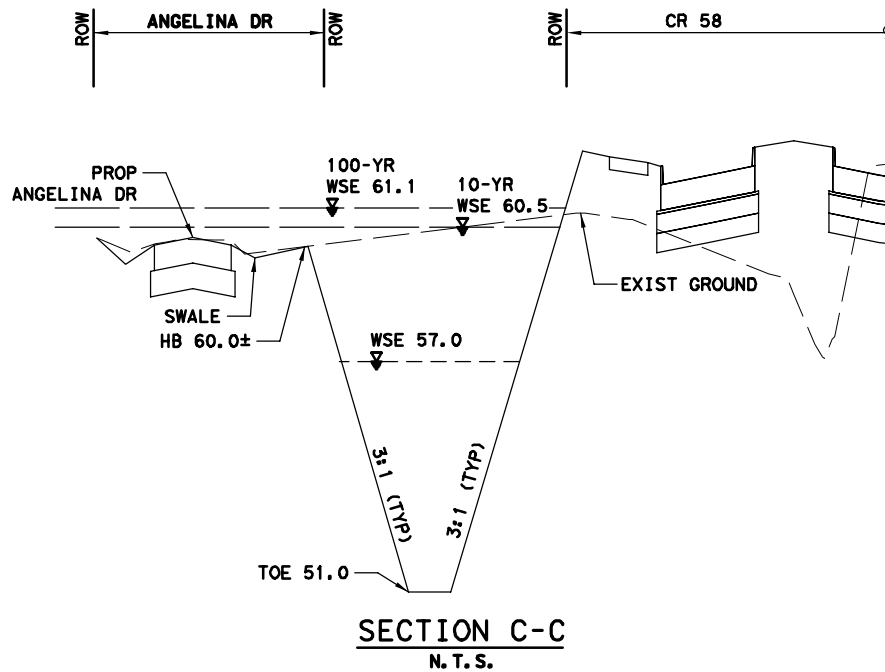
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LEGEND:

- XX-XXXXXX
XX.XX DRAINAGE AREA NO.
AREA IN ACRES
- DITCH
- DRAINAGE BOUNDARY
- PROPOSED DIRECTION
OF STORM WATER FLOW

NOTE: POND WILL BE PROVIDED
WITH AERATION SYSTEM.



POINT	NORTHING (Y)	EASTING (X)	ELEV (FT)
50	13752897.3819	3107294.9524	60.00
51	13752918.5916	3107313.7176	60.00
52	13752924.9084	3107419.1658	60.00
53	13752930.8881	3107518.9877	60.00
54	13752936.8678	3107618.8096	60.00
55	13752942.8475	3107718.6315	60.48
56	13752948.8272	3107818.4534	60.04
72	13752874.2827	3107812.3606	63.07
73	13752869.1570	3107722.7415	62.74
74	13752863.4468	3107622.9046	62.52
75	13752857.7367	3107523.0676	62.92
76	13752852.0265	3107423.2307	63.32
77	13752846.0132	3107318.0927	63.55
78	13752864.7350	3107296.9895	60.00
79	13752887.0177	3107319.6458	51.00
80	13752897.9500	3107420.6694	51.00
81	13752903.9297	3107520.4913	51.00
82	13752909.9095	3107620.3132	51.00
83	13752915.8892	3107720.1351	51.00
84	13752921.8689	3107819.9570	51.00
98	13752910.2240	3107810.3050	51.00
99	13752905.1012	3107720.7368	51.00
100	13752899.3910	3107620.8998	51.00
101	13752893.6809	3107521.0629	51.00
102	13752887.9707	3107421.2259	51.00

- NOTES:
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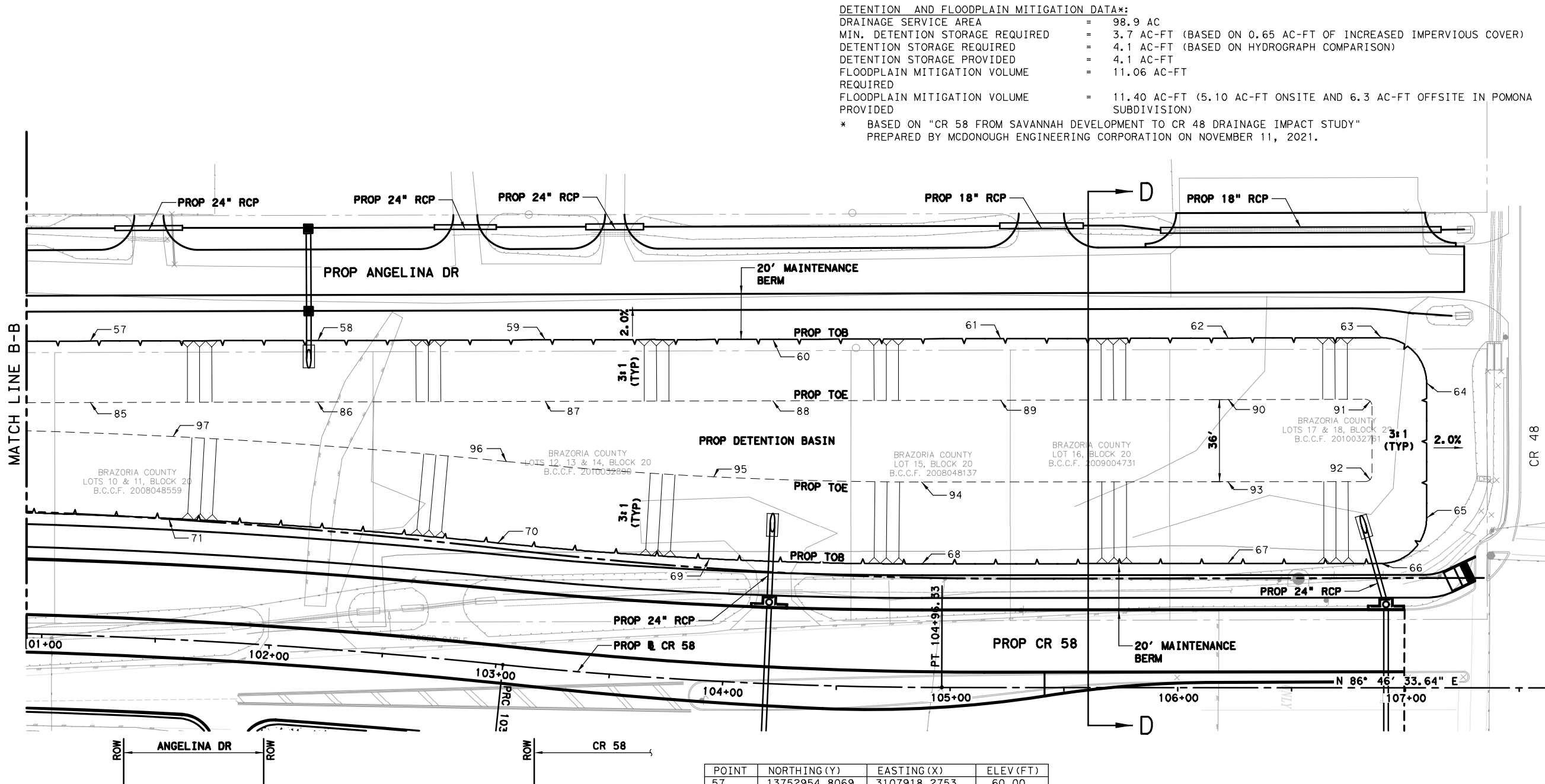
**BRAZORIA COUNTY
ENGINEERING DEPARTMENT**

**CR 58
FROM SAVANNAH DEVELOPMENT TO CR 48
DETENTION POND
LAYOUT**

SHEET 3 of 4

FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
12	TEXAS	STP 1702(437)MM			CR 58
STATE DISTRICT	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
HOU	BRAZORIA	0912	31	304	134

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PEN TABLE: CR 58.tbl
PLOT DRIVER: txdot_pdf_grayscale.plt



DETENTION AND FLOODPLAIN MITIGATION DATA*:
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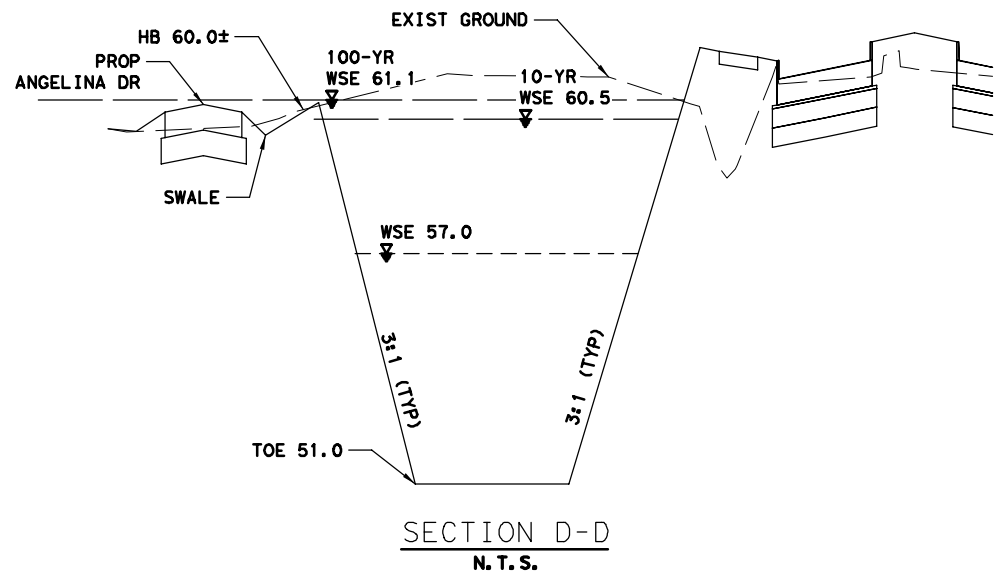


0' 25' 50'

LEGEND:

- XX-XXXXXX
XX.XX DRAINAGE AREA NO.
AREA IN ACRES
DITCH
DRAINAGE BOUNDARY
PROPOSED DIRECTION
OF STORM WATER FLOW

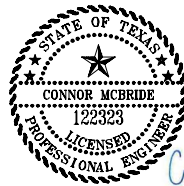
NOTE: POND WILL BE PROVIDED
WITH AERATION SYSTEM.



POINT	NORTHING (Y)	EASTING (X)	ELEV (FT)
57	13752954.8069	3107918.2753	60.00
58	13752960.7866	3108018.0972	60.16
59	13752966.7663	3108117.9191	60.00
60	13752972.7460	3108217.7410	60.00
61	13752978.7257	3108317.5629	60.00
62	13752984.7054	3108417.3848	60.66
63	13752988.7200	3108484.4012	60.86
64	13752969.8978	3108505.5645	61.04
65	13752910.7749	3108508.9460	61.40
66	13752889.6667	3108490.1424	62.39
67	13752885.7477	3108422.9041	62.68
68	13752877.9249	3108288.6908	62.69
69	13752874.8369	3108195.4298	62.55
70	13752876.4366	3108102.1314	62.93
71	13752878.9608	3107957.2192	63.50
85	13752927.8486	3107919.7789	51.00
86	13752933.8283	3108019.6008	51.00
87	13752939.8080	3108119.4227	51.00
88	13752945.7877	3108219.2446	51.00
89	13752951.7674	3108319.0665	51.00
90	13752957.7471	3108418.8884	51.00
91	13752960.5951	3108481.1743	51.00
92	13752926.1990	3108483.1456	51.00
93	13752921.6919	3108420.8993	51.00
94	13752913.8639	3108286.5961	51.00
95	13752910.8357	3108195.1426	51.00
96	13752912.4044	3108103.6526	51.00
97	13752914.9598	3107956.9517	51.00

- NOTES:
1. VARIANCE FOR 3:1 SIDESLOPES APPROVED
BY BDD#4 BY LETTER DATED JULY 7, 2020.
(BDD#4 REF ID# 19142)
2. VARIANCE FOR 20' MAINTENANCE BERM
APPROVED BY BDD#4 BY LETTER DATED
APRIL 7, 2020. (BDD#4 REF ID#19142)

WARNING:
OVERHEAD AND UNDERGROUND UTILITIES MAY
EXIST IN THE VICINITY OF THIS PROJECT.
LOCATIONS SHOWN FOR EXISTING UTILITIES
ARE APPROXIMATE AND OTHER UTILITIES MAY
EXIST IN THE VICINITY OF THE PROJECT
WHICH ARE NOT SHOWN ON THE PLANS. IT IS
THE RESPONSIBILITY OF THE CONTRACTOR TO
LOCATE ALL EXISTING UTILITIES, IN THE
VICINITY OF THE PROJECT, PRIOR TO
BEGINNING CONSTRUCTION.



MCDONOUGH
Civil Engineers & Project Managers
TBPLS Firm Registration No. 10103900
TBPE Registration No. F-000340
5625 Schumacher Lane (713) 975-9990
Houston, Texas 77057 www.mectx.com

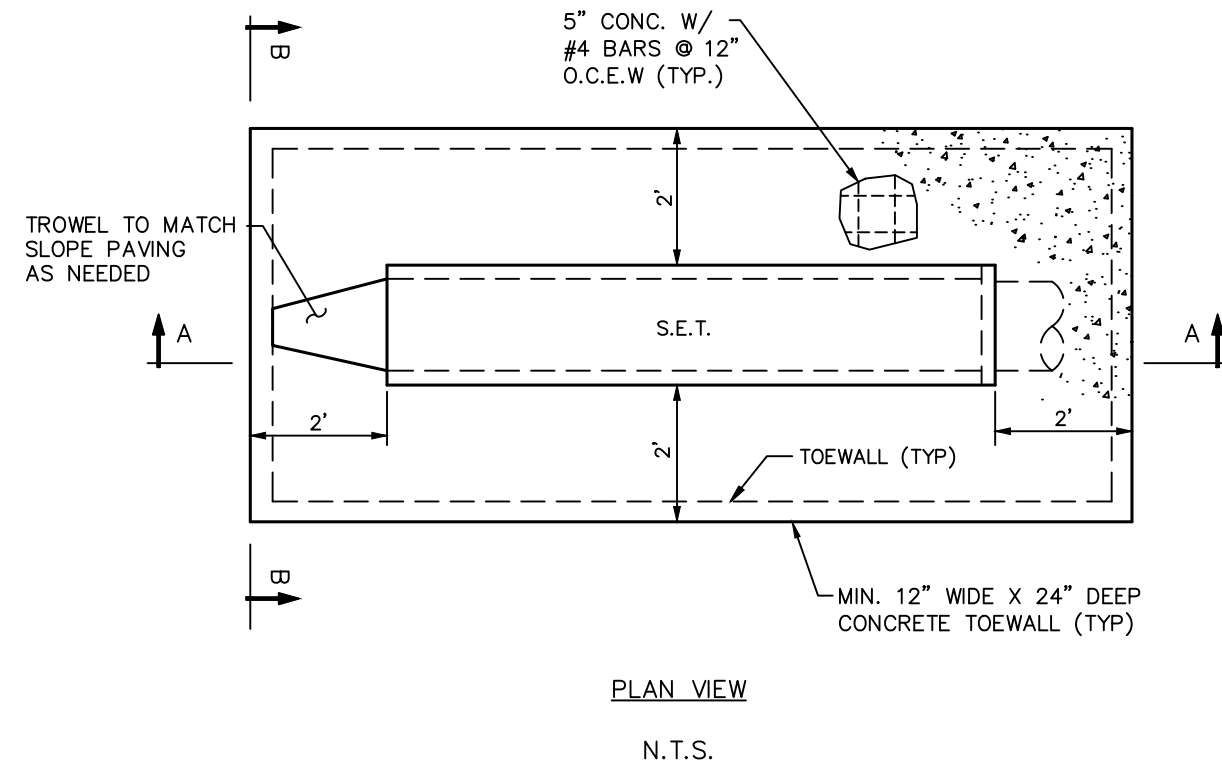


**BRAZORIA COUNTY
ENGINEERING DEPARTMENT**

**CR 58
FROM SAVANNAH DEVELOPMENT TO CR 48
DETENTION POND
LAYOUT**

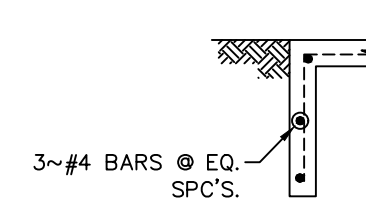
SHEET 4 of 4

FED. RD. DIV. NO.	STATE	PROJECT NO.			HIGHWAY NO.
12	TEXAS	STP 1702(437)MM			CR 58
STATE DISTRICT	COUNTY	CONTROL NO.	SECTION NO.	JOB NO.	SHEET NO.
HOU	BRAZORIA	0912	31	304	135

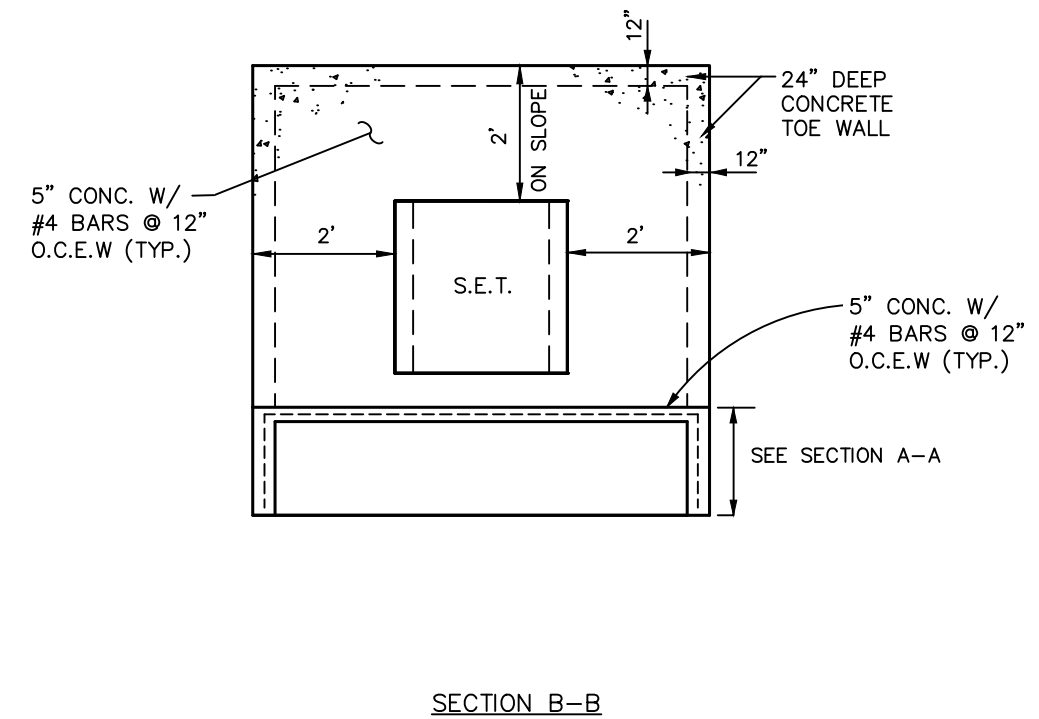
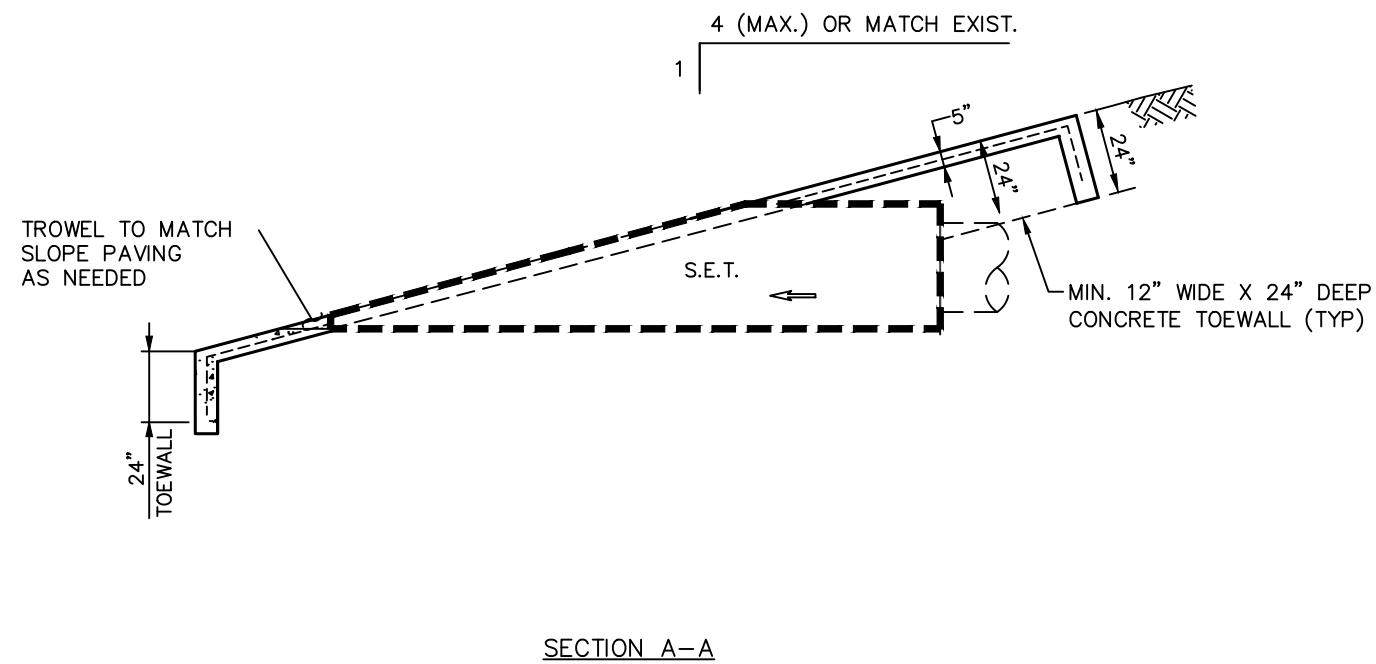


NOTES:

1. THE DIMENSIONS SHOWN ARE THE MINIMUM REQUIRED BY THE DISTRICT.
2. THE PAVING THICKNESS AND REBAR PLACEMENT SHALL MEET THE MINIMUM REQUIREMENTS SHOWN IN THIS DETAIL
3. ALL CONCRETE MUST HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI AT 28 DAYS.
4. MINIMUM YIELD STRENGTH OF REBAR SHALL BE #4 BARS, 60,000 PSI (GRADE 60) AND PLACED AT 12" C/C EACH WAY.



TYPICAL TOEWALL
LONGITUDINAL REBAR DETAIL



TYPICAL SLOPE PAVING FOR SAFETY END TREATMENT (S.E.T.)

Bid #	Quantity	Client Bid# Unit	Total Cost	Total Cost Unit Price	Markup	Balanced Bid Total	Balanced Bid Unit Price	Pricing Status	Bid Price	Bid Total
1	1.00	EA	2' MOW STRIP (30" SET) 3,285.73	3,285.73	15.0% 580	3,866	3,865.56		3,865.560	3,865.56
2	12.00	EA	2' MOW STRIP (24" SET) 31,802.50	2,650.21	15.0% 5,612	37,415	3,117.89		3,117.890	37,414.68
3	3.00	EA	2' MOW STRIP (6X3 SET) 11,883.81	3,961.27	15.0% 2,097	13,981	4,660.32		4,660.320	13,980.96
TOTALS:			46,972.04		8,289	55,261				55,261.20

Code between Balanced Bid & Bid Price: U=Unbalanced, F=Frozen, C=Closing Biditem (item to absorb unbalancing differences).

** in front of the Biditem indicates a Non-Additive item

Bid #	Client Bid#	Total	Total Cost		Balanced	Balanced Bid	Pricing	Bid	Bid
Quantity	Unit	Cost	Unit Price	Markup	Bid Total	Unit Price	Status	Price	Total

BID COSTS =====>46,972

ACTUAL MARKUP =====>8,289

TOTAL BID =====>55,261

Spread Indirects on: TOTAL COST Spread Markup on: TOTAL COST

Default Markup %:

- Labor:0%
- Burden:0%
- Perm Matl:0%
- Const Matl:0%
- Sub:0%
- Eqp Op Exp:0%
- Co. Equip:0%
- Rented Eqp:0%
- Trucking:0%
- Misc 2:0%
- Misc 3:0%

Spread Addons & Bond TOTAL COST

Bond Calculations

Selected Bond Table: B1 Description: Bond

	Contract Amount	Rate per 1000	Bond Amount
First:	\$ 100,000	25.00	\$ 1,381.53
Next:	\$ 400,000	15.00	\$ 0.00
Next:	\$ 2,000,000	10.00	\$ 0.00
Next:	\$ 2,500,000	7.50	\$ 0.00
Next:	\$ 2,500,000	7.00	\$ 0.00
Remainder:		6.50	\$ 0.00
Subtotal:			\$ 1,381.53
Time Threshold1:	Extended Time Rate 1: %		\$ 0.00
Time Threshold2:	Extended Time Rate 2: %		\$ 0.00
Length of Job: 1	Total Bond Amount:		\$ 1,381.53

----- ESTIMATE NOTES: -----

Bid Date:Owner:Engineering Firm:

Estimator-In-Charge:Desired Bid (if specified) = 0

Last Summary on 04/18/2024 at 12:11 PM.

Last Spread on 04/18/2024 at 12:11 PM.

Winkler, Michael

From: Kristy Nimon <Kristy.Nimon@txdot.gov>
Sent: Thursday, June 27, 2024 1:34 PM
To: Winkler, Michael
Cc: Nicole Bartek; Barbara Martinez; Wael Tabara; Rajendra Hada
Subject: CSJ0912-31-304; CR 58 CO 4 Funding Review

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This message came from outside your organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

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Mike-

There is a lot of information that needs to be included for this CO.

As these RCPs and SETs were part of the original plan then a deduction in the cost of those items is needed to be shown with this existing participation.

Supporting documentation on the cost with the subcontractor cost, equipment, material, etc. with mark-ups to justify the price.

Additional sheet 145A was not included.

On the Typical Slope Paving drawing:

Question as to the 3K called out, as this is a structural support does it not needs to be 3.6K or 4K?

The design needs calculations included.

Question as to the 5" concrete with #4 Bars at 12" OCEW, should these not be at 8" with the 2' width?

Please provide what information is available on the calculations for the design.

Hope this helps.

-KN
KRISTY NIMON
TEXAS DEPARTMENT OF TRANSPORTATION
HOUSTON/Construction Division

Office: 979-864-8520

Mobile: 512-701-6427

[TxDOT.gov](https://www.txdot.gov) | [Get Involved](#) | [Texas Highways](#)

From: Winkler, Michael <michael.winkler@aecom.com>

Sent: Tuesday, June 25, 2024 8:42 AM

To: Kristy Nimon <Kristy.Nimon@txdot.gov>

Cc: Nicole Bartek <Nicole.Bartek@txdot.gov>; Barbara Martinez <BarbaraM@brazoriacountytx.gov>; Wael Tabara <WaelT@brazoriacountytx.gov>; Rajendra Hada <Rajendra.Hada@txdot.gov>

Subject: 0912-31-304; CR 58 CO 4 Funding Review

Kristy,

I have attached a rough draft of the change order on CR 58 to place rip rap at the detention pond SETs. I highlighted the part where I normally summarize the funding since it is not complete, we are trying to get some guidance on this one to decide on a direction forward.

We have quotes from both The Contractor and BDD4 to do the work. I attached both quotes for your review. If BDD4 performs the work, it would be through an MOU with the County Engineering Office. If the contractor performs the work, it would be through this change order to the contract.

Would the County be eligible for Federal Funding if the Contractor performs the work? Also, are they eligible for federal funding if the BDD4 performs the work, or can the BDD4 item pricing be incorporated to the construction contract through this change order?

Please feel free to contact me with any questions.

Thank you,

Mike Winkler, PE
AECOM
(281) 702-4247 (Cell)

