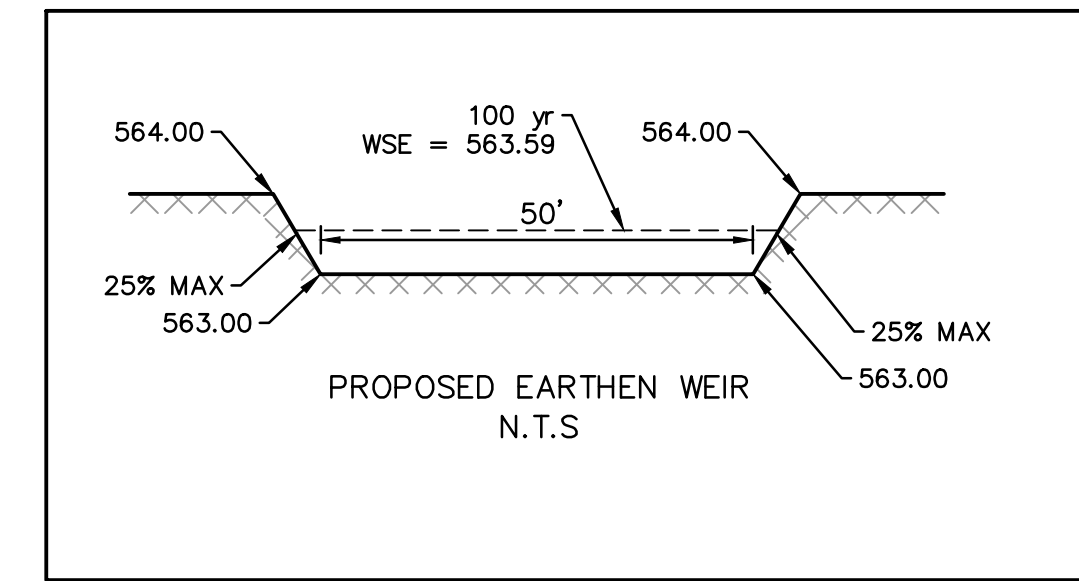


REV	BY	DATE	COMMENT
1	PJF	08/22	REVISED RIP-RAP QUANTITY
2	PJF		REVISED FOR FLEXAMAT PLUS
3	NCL	1/25/22	REVISED FOR EXIST. WATER



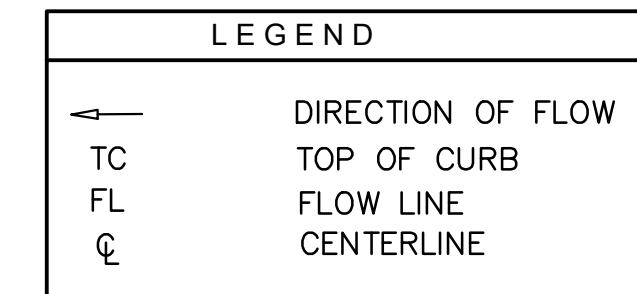
SCALE:  
1"=40' H  
1"=6' V

GENERAL NOTES:

- 1) ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF ROCKWALL STANDARDS.
- 2) THE CONTRACTOR SHALL VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES IN THE AREA OF CONSTRUCTION PRIOR TO BEGINNING CONSTRUCTION.
- 3) THE CONTRACTOR SHALL NOTIFY ENGINEER OF RECORD OF ANY DISCREPANCIES BETWEEN THESE PLANS AND ACTUAL FIELD CONDITIONS.
- 4) DIMENSIONS ARE TO BACK OF CURB, UNLESS OTHERWISE NOTED.

SEE THE CITY OF ROCKWALL STANDARDS OF DESIGN AND CONSTRUCTION, DATED OCTOBER 2019 FOR MODIFICATIONS TO NCTCOG DETAILS.

ALL STORM PIPE SHALL BE CLASS III RCP UNLESS OTHERWISE NOTED



Curve #	Radius	Length	Chord Direction	Start Point	End Point
C1	200.00	54.13	S08° 16' 38.03"E	(2603565.0640, 7035118.6020)	(2603572.8325, 7035132.2023)
C2	325.00	103.32	N80° 22' 07.57"E	(2603577.2921, 7035116.6810)	(2603678.7242, 7035133.8939)

ALL RESPONSIBILITY FOR ADEQUACY OF DESIGN REMAINS WITH THE DESIGN ENGINEER. THE CITY OF ROCKWALL, IN REVIEWING AND RELEASING PLANS FOR CONSTRUCTION, ASSUMES NO RESPONSIBILITY FOR ADEQUACY OR ACCURACY OF DESIGN

REV	BY	DATE	COMMENT
1	PJF	08/22	REVISED RIP-RAP QUANTITY
2	PJF		REVISED FOR FLEXAMAT PLUS
3	NCL	10/25/22	REVISED FOR EXIST. WATER

RECORD DRAWINGS

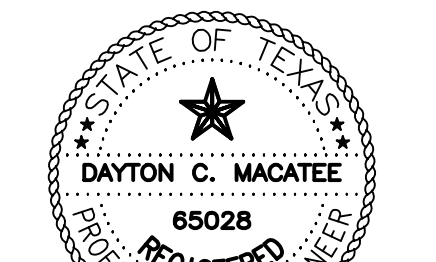
The information contained hereon was provided by the contractor based on their field installation. The undersigned registered professional engineer did not provide inspection on this project, and therefore makes no warrants concerning the accuracy or completeness of the information provided.

*Dayton Macatee*

NOVEMBER 29, 2023

Dayton C. Macatee, P.E. - Macatee Engineering, L.L.C. (Tx. Reg. No. F-456)  
12655 N. Central Expwy Suite 420, Dallas, Texas 75243 - Tel: 214-373-1180

Date



*Dayton Macatee*  
11/29/2023

DAYTON MACATEE ENGINEERING, L.L.C.  
TX. REG. NO. F-456

STORM SEWER PLAN & PROFILE

WINDING CREEK

CITY OF ROCKWALL, ROCKWALL COUNTY, TEXAS

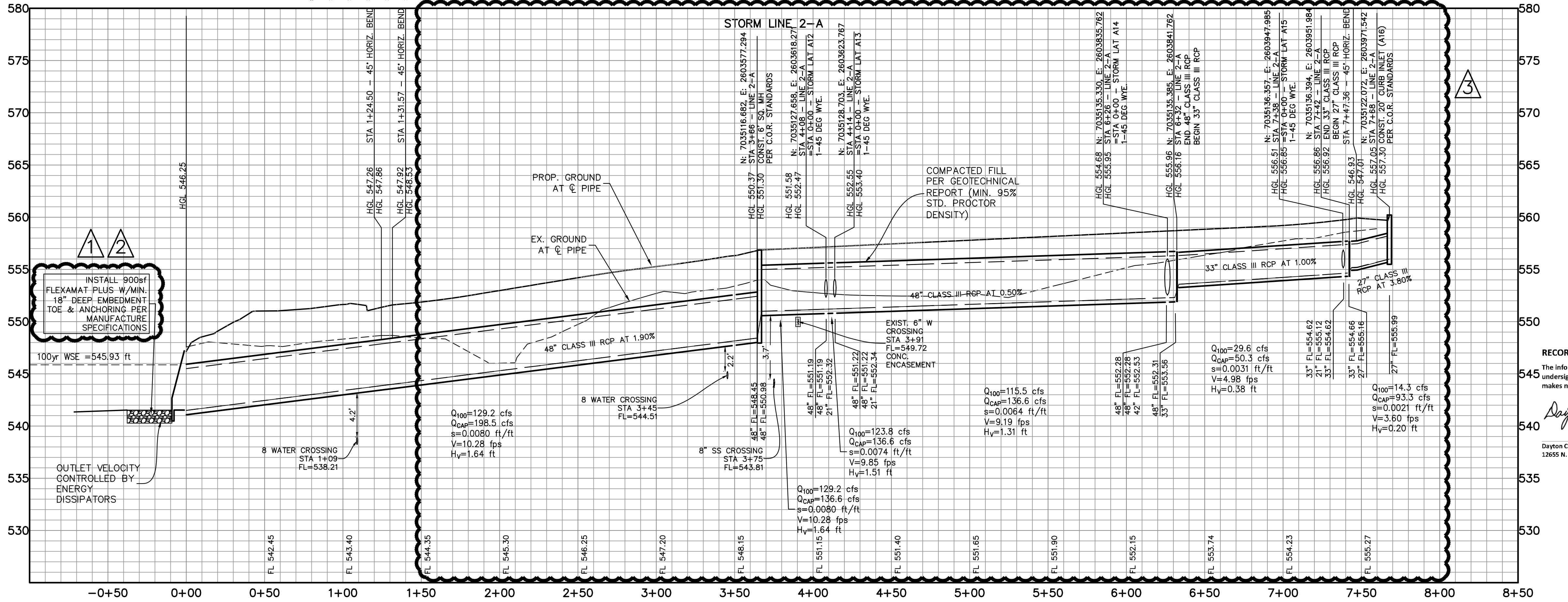
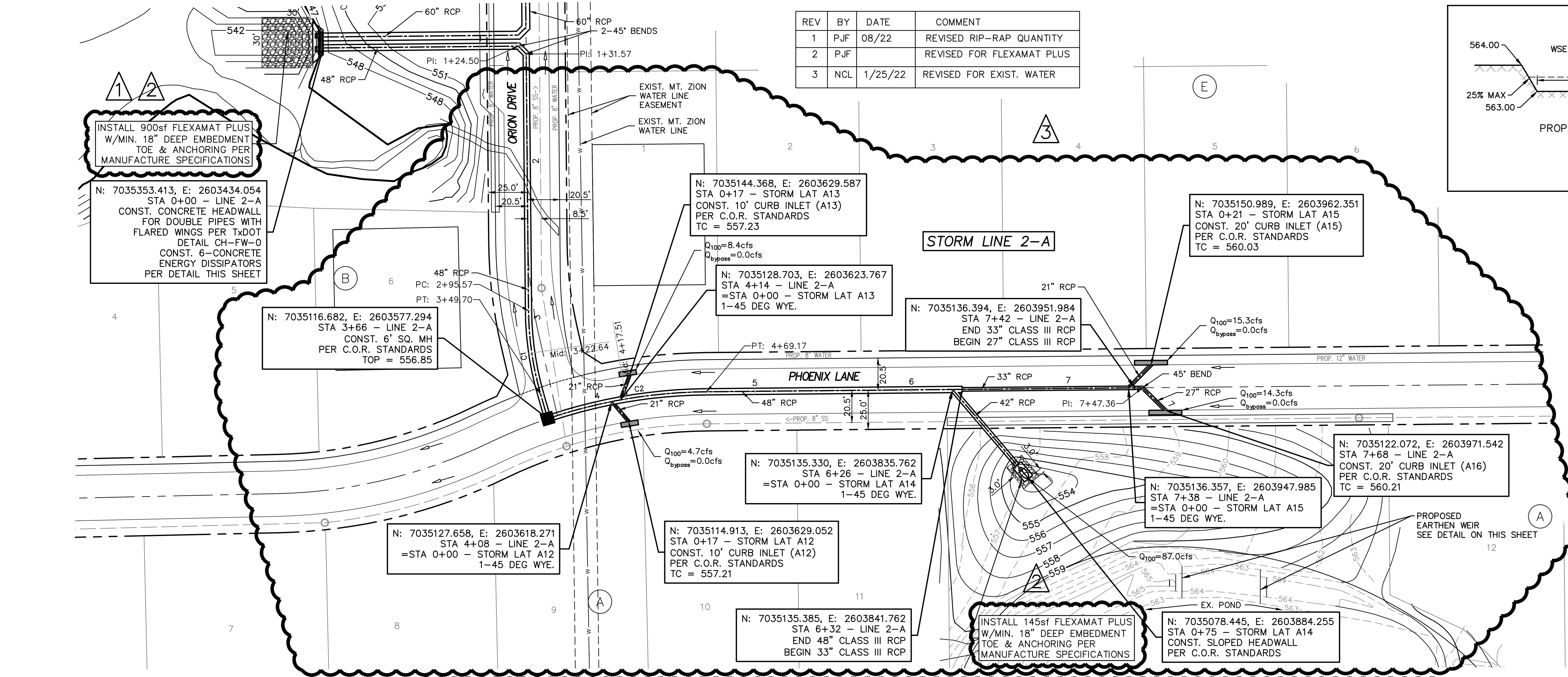


CIVIL ENGINEERING DESIGN & CONSULTING  
(Tex. Reg. No. F-456)  
12655 N. CENTRAL EXPWY, SUITE 420  
DALLAS, TEXAS 75243  
TEL 214-373-1180 \* FAX 214-373-6580  
dayton@macatee-engineering.com  
phillip@macatee-engineering.com

DESIGNED	CHECKED	DATE	DWG FILE	PROJECT #	SHEET NO.
BCP	SDA	11/29/2023	wc_STORM	SKO_WC	32 OF 53

CITY OF ROCKWALL MONUMENT "COR-2"  
ALUMINUM DISK STAMPED "CITY OF ROCKWALL SURVEY MONUMENT" +/- .866'  
EAST OF INTERSECTION OF WILLIAMS STREET AND CARUTH LANE, AND 50' SOUTH OF CL OF WILLIAMS STREET. N: 7029731.124, E: 2598589.314, ELEV=529.10

CITY OF ROCKWALL MONUMENT "COR-4"  
ALUMINUM DISK STAMPED "CITY OF ROCKWALL SURVEY MONUMENT" ON NORTH SIDE OF DALTON ROAD +/- .210' WEST OF INTERSECTION OF SH 205 AND DALTON ROAD, AND 10' NORTH OF CURB LINE. N: 7040336.992, E: 2592422.633, ELEV=51.67



INSTALL 900sf FLEXAMAT PLUS W/MIN. 18" DEEP EMBEDMENT TOE & ANCHORING PER MANUFACTURE SPECIFICATIONS

N: 7035116.682, E: 2603577.294  
STA 3+66 - LINE 2-A  
CONST. 6" SQ. MH  
PER C.O.R. STANDARDS  
TOP = 556.85

N: 7035144.368, E: 2603629.587  
STA 0+17 - STORM LAT A13  
CONST. 10" CURB INLET (A13)  
PER C.O.R. STANDARDS  
TC = 557.23

N: 7035150.989, E: 2603962.351  
STA 0+21 - STORM LAT A15  
CONST. 20" CURB INLET (A15)  
PER C.O.R. STANDARDS  
TC = 560.03

N: 7035128.703, E: 2603623.767  
STA 4+14 - LINE 2-A  
=STA 0+00 - STORM LAT A13  
1-45 DEG WYE.

N: 7035136.394, E: 2603951.984  
STA 7+42 - LINE 2-A  
END 33" CLASS III RCP  
BEGIN 27" CLASS III RCP

N: 7035135.330, E: 2603835.762  
=STA 0+00 - STORM LAT A14  
1-45 DEG WYE.

N: 7035136.357, E: 2603947.985  
STA 0+00 - LINE 2-A  
=STA 0+00 - STORM LAT A15  
1-45 DEG WYE.

N: 7035127.658, E: 2603618.271  
=STA 0+00 - STORM LAT A12  
1-45 DEG WYE.

N: 7035114.913, E: 2603629.052  
STA 0+17 - STORM LAT A12  
CONST. 10" CURB INLET (A12)  
PER C.O.R. STANDARDS  
TC = 557.21

N: 7035135.385, E: 2603841.762  
STA 6+32 - LINE 2-A  
END 48" CLASS III RCP  
BEGIN 33" CLASS III RCP

INSTALL 145sf FLEXAMAT PLUS W/MIN. 18" DEEP EMBEDMENT TOE & ANCHORING PER MANUFACTURE SPECIFICATIONS

N: 7035078.445, E: 2603884.255  
STA 0+75 - STORM LAT A14  
CONST. SLOPED HEADWALL  
PER C.O.R. STANDARDS

INSTALL 900sf FLEXAMAT PLUS W/MIN. 18" DEEP EMBEDMENT TOE & ANCHORING PER MANUFACTURE SPECIFICATIONS

OUTLET VELOCITY CONTROLLED BY ENERGY DISSIPATORS

COMPACTED FILL PER GEOTECHNICAL REPORT (MIN. 95% STD. PROCTOR DENSITY)

Q<sub>100</sub>=129.2 cfs  
Q<sub>cap</sub>=198.5 cfs  
s=0.0080 ft/ft  
V=10.28 fps  
H<sub>v</sub>=1.64 ft

Q<sub>100</sub>=115.5 cfs  
Q<sub>cap</sub>=136.6 cfs  
s=0.0064 ft/ft  
V=9.19 fps  
H<sub>v</sub>=1.31 ft

Q<sub>100</sub>=123.8 cfs  
Q<sub>cap</sub>=136.6 cfs  
s=0.0074 ft/ft  
V=9.85 fps  
H<sub>v</sub>=1.51 ft

Q<sub>100</sub>=29.6 cfs  
Q<sub>cap</sub>=50.3 cfs  
s=0.0031 ft/ft  
V=4.98 fps  
H<sub>v</sub>=0.38 ft

Q<sub>100</sub>=14.3 cfs  
Q<sub>cap</sub>=93.3 cfs  
s=0.0021 ft/ft  
V=3.60 fps  
H<sub>v</sub>=0.20 ft