

1	PREPARING ROW	STA	90
2	EXCAVATION	CY	23,190
3	EMBANKMENT	CY	10,147
4	REMOVING STAB BASE AND ASPH PAVE (12"-18")	SY	45
5	REMOVING TREATED BASE (8")	SY	12,074
6	12-INCH THICK CALICHE FLEXIBLE BASE	SY	29,237
7	8-INCH THICK CALICHE FLEXIBLE BASE	SY	5,255
8	8-INCH PREPARED SUBGRADE	SY	34,492
9	PRIME COAT (MC-30)	GAL	5,570
10	TYPE C HMAC	TON	4,551
11	FOG SEAL	GAL	3,342
12	6-INCH FIBER REINFORCED CONCRETE PAVEMENT	SY	514
13	CONCRETE HEADER	LF	406
14	RIPRAP (MOW STRIP) (4 IN)	CY	41
15	REMOVE STR (SMALL FENCE)	LF	1,608
16	MOBILIZATION	LS	1
17	BARRICADES, SIGNS AND TRAFFIC HANDLING	LS	1
18	STORM WATER POLLUTION PREVENTION PLAN	LS	1
19	ROCK FILTER DAMS (INSTALL)(TY 2)	LF	115
20	ROCK FILTER DAMS (REMOVE)	LF	115
21	BIODEG EROSN CONT LOG (INSTALL) (8")	LF	729
22	BIODEG EROSN CONT LOG (REMOVE)	LF	729
23	TEMP SEDMT CONT FENCE (INSTALL)	LF	6,299
24	TEMP SEDMT CONT FENCE (REMOVE)	LF	6,299
25	CONC CURB AND GUTTER	LF	3,199
26	MTL -W-BEAM GD FEN (TIM POST)	LF	831
27	MTL -W-BEAM GD FEN (LOW FILL CULVERT)	LF	75
28	DOWNSTREAM ANCHOR TERMINAL SECTION	EA	4
29	MTL BM GD FEN (LONG SPAN SYSTEM)	EA	4
30	GUARDRAIL END TREATMENT (INSTALL)	EA	4
31	INSTALL NEW WIRE FENCE (TY C)	LF	1,587
32	ALUMINUM SIGNS (TY A)	SF	40
33	IN SM RD SN SUP&AM TY 10BWG(1)SA(P)	EA	8
34	REMOVE SM RD SN SUP&AM	EA	1
35	INSTL OM ASSM (OM-3)(TWT)(WAS)(R)	EA	10
36	REFL PAV MRK TY I (W) 4" (SLD) (090 MIL)	LF	17,706
37	REFL PAV MRK TY I (W) 24" (SLD) (090 MIL)	LF	22
38	REFL PAV MRK TY I (Y) 4" (SLD) (090 MIL)	LF	17,765
39	REFL PAV MRKR TY-IIA-A	EA	444
40	PAV SURF PREP FOR MARK (4")	LF	35,471
41	PAV SURF PREP FOR MARK (24")	LF	22
42	WATER VALVE ADJUSTMENT TO GRADE	EA	2
43	CONCRETE CAP PROTECTION	SY	1,781
44	CONCRETE FLUME	EA	1
45	RIPRAP (STONE PROTECTION)(12 IN)	CY	425
46	CONC BOX CULV (5 FT X 2 FT)	LF	362
47	CONC BOX CULV (6 FT X 2 FT)	LF	480
48	WINGWALL (PW-1) (HW=4 FT)	EA	1
49	SET (PIPE RUNNER ASSEMBLY)	EA	32
50	SET (TY I)(S=5 FT)(HW=3 FT)(2:1)(C)	EA	6
51	SET (TY I)(S=5 FT)(HW=4 FT)(2:1)(C)	EA	4
52	SET (TY I)(S=5 FT)(HW=3 FT)(3:1)(C)	EA	2
53	SET (TY I)(S=5 FT)(HW=4 FT)(3:1)(C)	EA	1
54	SET (TY I)(S=5 FT)(HW=3 FT)(4:1)(C)	EA	6
55	SET (TY I)(S=5 FT)(HW=4 FT)(4:1)(C)	EA	1
56	SET (TY I)(S=6 FT)(HW=3 FT)(2:1)(C)	EA	12
57	ABANDONED GAS LINE REMOVAL 3" (IN ROW)	LF	1,425
58	ANADONED GAS LINE REMOVAL 4" (IN ROW)	LF	1,065



OCCIDENTAL PARKWAY  
TO ELKINS ROAD  
MIDLAND, TEXAS



REVISION NO.	DATE	DESCRIPTION	ADDENDUM NO.
1	9/19/24		



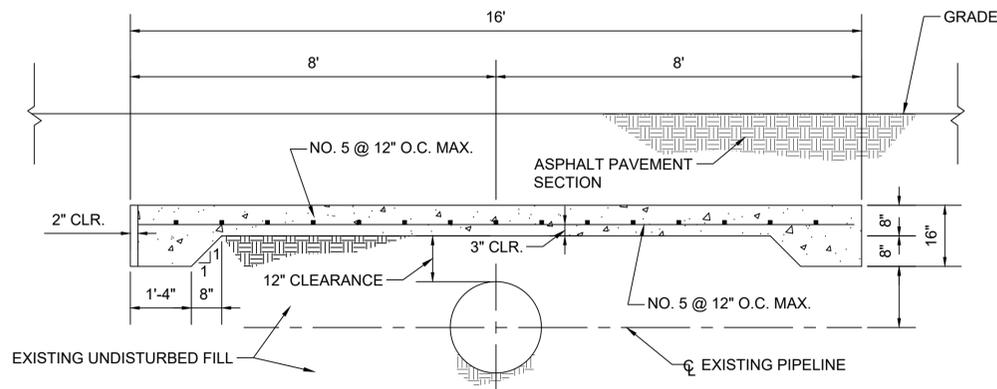
DATE: 9/19/24  
TBPELS ENGINEERING FIRM #312

PROJECT NO.: 45715.006  
ISSUED: 9/19/24  
DRAWN BY: HALFF  
CHECKED BY: JTH  
SCALE: AS NOTED  
SHEET TITLE

QUANTITIES  
SHEET NUMBER 3 OF 217



FILE NAME: A:\45000s\45715\06\CADD\DETAILS\MIDLAND-45715 006.dwg DATE: September 19, 2024, TIME: 8:46 AM, USER: ah3453 AVO: 45715.006

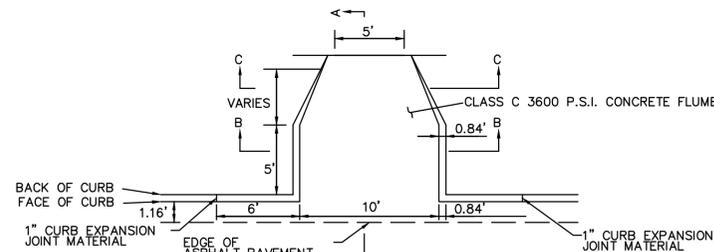


PROTECTION SLAB SECTION

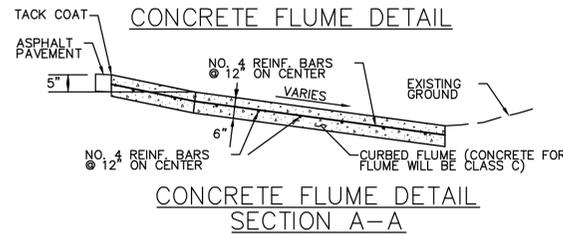
NOTES:

- CONCRETE SHALL BE AIR-ENTRAINED (6% ±1.5%) AND SHALL POSSESS A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 4000 PSI. HIGH-EARLY STRENGTH CONCRETE SHALL BE UTILIZED SUCH THAT THE 3-DAY COMPRESSIVE STRENGTH EQUALS OR EXCEEDS 2800 PSI.
- DESIGN SOIL PRESSURE = 2700 PSF
- REINFORCEMENT SHALL BE EPOXY COATED AND SHALL MEET ASTM A615, GRADE 60.
- ALL REINFORCING SHALL BE DETAILED, FABRICATED & PLACED IN ACCORDANCE WITH CRSI "MANUAL OF STANDARD PRACTICE".
- CHAIRS AND BOLSTERS SHALL BE PLASTIC OR EPOXY COATED.
- IF CONCRETE SUPPORT BLOCKS ARE USED, THEIR STRENGTH SHALL BE EQUAL TO OR GREATER THAN THAT OF THE CONCRETE BEING PLACED.
- PROVIDE SUPPORTS AND SPACERS FOR ALL REINFORCING, INCLUDING WMF.
- CONSOLIDATE ALL CONCRETE, INCLUDING SLABS, BY VIBRATING.
- LAP ALL SPLICES 40 BAR DIAMETERS UNLESS NOTED OTHERWISE.
- SUBMIT PROPOSED CONCRETE MIX DESIGN TO ENGINEER FOR APPROVAL
- CONCRETE SHALL NOT CONTAIN MORE THAN 0.1% SOLUBLE CHLORIDE.
- PLACE CONCRETE DIRECTLY ON UNDISTURBED, UNFROZEN SUBGRADE.
- NOTIFY ENGINEER IMMEDIATELY IF FIELD CONDITIONS DIFFER FROM THAT SHOWN.
- EPOXY COATED WELDED WIRE MESH OF EQUIVALENT AREA MAY BE SUBSTITUTED FOR REINFORCEMENT BARS. MESH YIELD STRENGTH SHALL NOT BE LESS THAN 60 KSI.

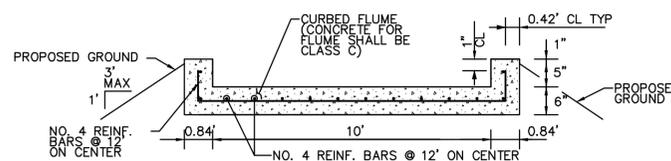
Revision-Description	By	App.
Original Issue	WFS	MAM



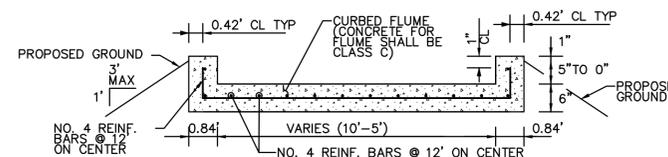
CONCRETE FLUME DETAIL



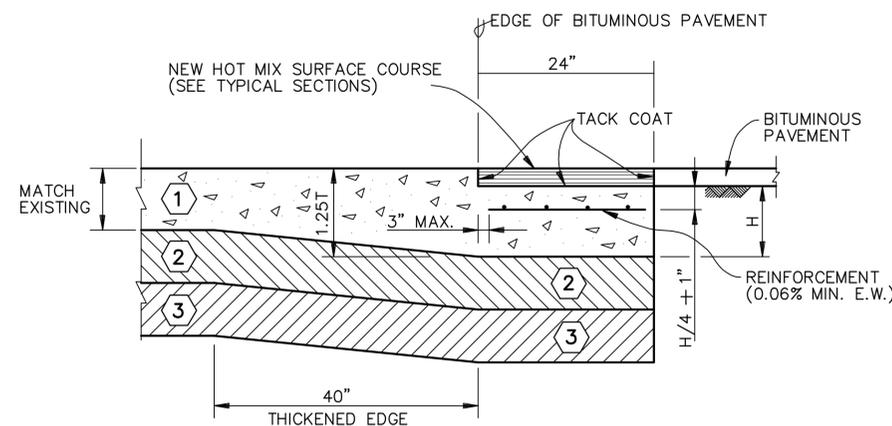
CONCRETE FLUME DETAIL SECTION A-A



CONCRETE FLUME DETAIL SECTION B-B



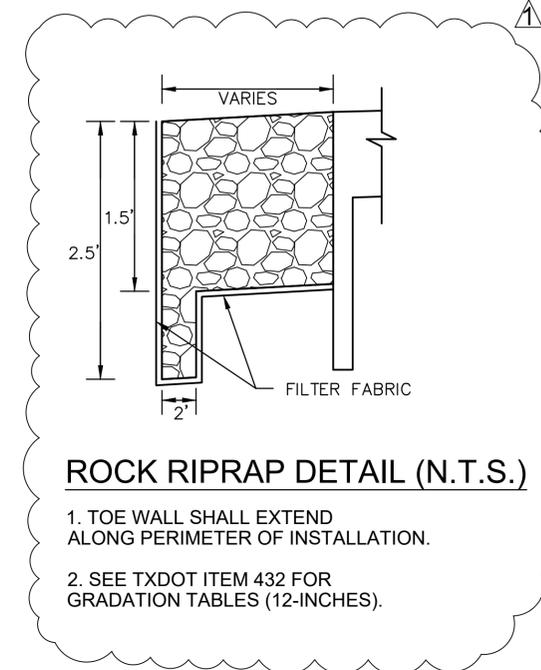
CONCRETE FLUME DETAIL SECTION C-C



CONCRETE HEADER DETAIL  
N.T.S.

PAVEMENT NOTES BY SYMBOL

- 3600 P.S.I. PORTLAND CEMENT CONCRETE (MATCH EXISTING DEPTH, MINIMUM 6")
- CALICHE FLEX BASE (12")
- 8" COMPACTED SUBGRADE COMPACTED TO 95% PROCTOR



ROCK RIPRAP DETAIL (N.T.S.)

- TOE WALL SHALL EXTEND ALONG PERIMETER OF INSTALLATION.
- SEE TXDOT ITEM 432 FOR GRADATION TABLES (12-INCHES).

OCCIDENTAL PARKWAY  
TO ELKINS ROAD  
MIDLAND, TEXAS

**half**  
2601 MEACHAM BLVD, STE 600  
FORT WORTH, TEXAS 76137-2797  
TEL (817) 847-1422  
TPELS ENGINEERING FIRM #312

REVISION NO.	DATE	DESCRIPTION
1	9/19/24	ADDENDUM NO. 1

DATE: 9/19/24  
TPELS ENGINEERING FIRM #312

PROJECT NO.:	45715.006
ISSUED:	9/19/24
DRAWN BY:	HALFF
CHECKED BY:	JTH
SCALE:	AS NOTED
SHEET TITLE	DETAILS MISCELLANEOUS
SHEET NUMBER	217 OF 217