CITY OF TUPELO, MISSISSIPPI ROB LEAKE CITY PARK DRAINAGE IMPROVEMENTS TUPELO, MISSISSIPPI

TUPELO PUBLIC WORKS DEPT.
CITY OF TUPELO, MISSISSIPPI
MAY 2023

OWNER INFORMATION

OWNER CITY OF TUPELO, MISSISSIPPI

MAYOR TODD JORDAN

CITY COUNCIL

CHAD MIMS

LYNN BRYAN

TRAVIS BEARD

BUDDY PALMER

JANET GASTON

ROSIE JONES

NETTIE DAVIS

CITY PUBLIC WORKS DEPARTMENT 604 CROSSOVER ROAD TUPELO, MS 38804

CITY PARKS & RECREATION DEPARTMENT 655 RUTHERFORD ROAD TUPELO, MS 38801

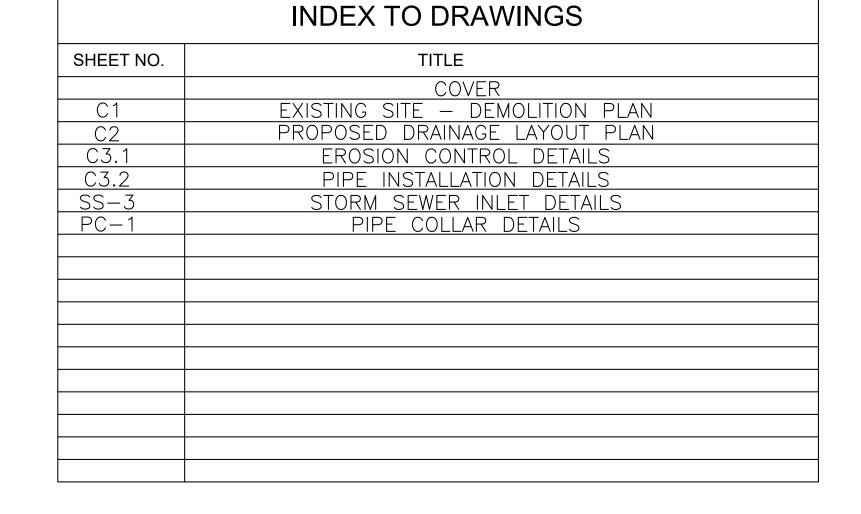
CONTACT INFORMATION
CHUCK WILLIAMS - PUBLIC WORKS DIRECTOR
ALEX FARNED - PARKS & RECREATION DIRECTOR
DON LEWIS - C.O.O.
BEN LOGAN - CITY ATTORNEY
KIM HANNA - C.F.O.

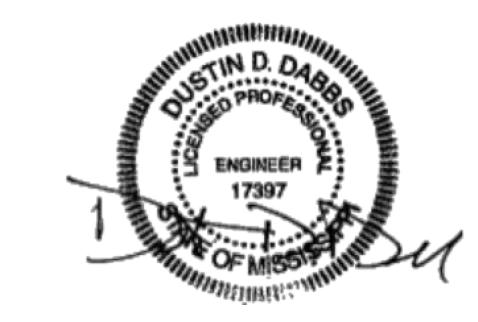
Family Ave	Presie)
Rogers Or Regers or Se Legion Lake	
Kincannon-St - 2 Called Learnhone	Hillerest Dr
Mitts ®	N-Madison-St Jq-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a-co- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts-a- Jg-ts
Sunset-Dr Achia Marquente SITE Rob Leaker Fletcher-St- Rob Leaker	Sinton
City Park Tends City Park	yton-Ave Magnolia-Dr Maxwell-St
kson St — W-Jackson-St — W-Jackson-S	W-Jackson-St E-Jackson-St
s/St	Clayton-Ave Blair-St Stark-Dr Stark-Dr
VICINITY MAP NTS	NORTH

PREPARED BY:



1050 N. EASON BLVD. TUPELO, MS 38801 (662) 841-0162



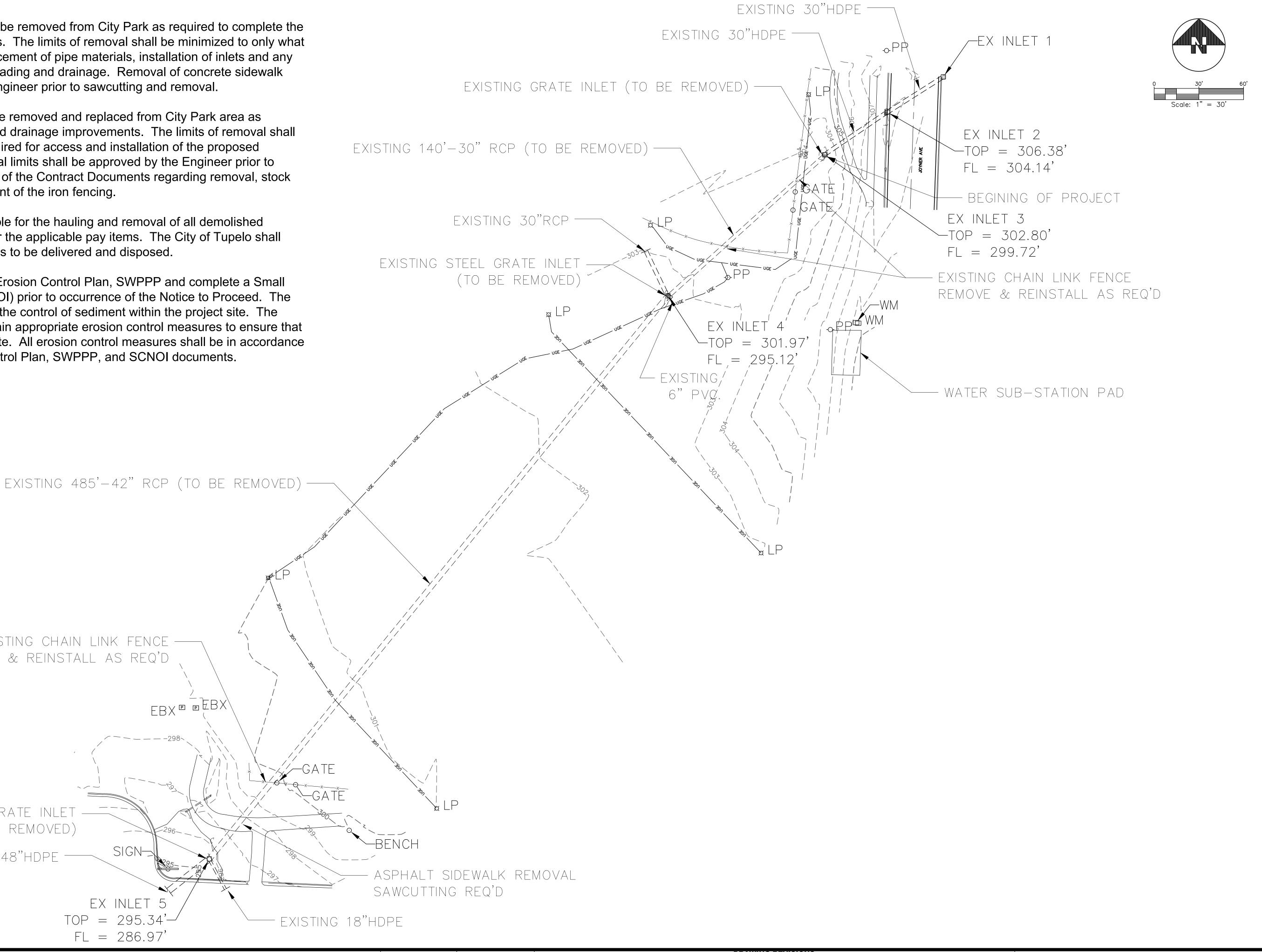


NOTES:

- Existing Concrete Sidewalk shall be removed from City Park as required to complete the proposed drainage improvements. The limits of removal shall be minimized to only what is required for removal and replacement of pipe materials, installation of inlets and any necessary materials for proper grading and drainage. Removal of concrete sidewalk limits shall be approved by the Engineer prior to sawcutting and removal.
- Existing chain link fencing shall be removed and replaced from City Park area as required to complete the proposed drainage improvements. The limits of removal shall be minimized to only what is required for access and installation of the proposed drainage improvements. Removal limits shall be approved by the Engineer prior to removal. See notes in Section C of the Contract Documents regarding removal, stock piling of materials and replacement of the iron fencing.
- 3. The contractor shall be responsible for the hauling and removal of all demolished materials from the project site per the applicable pay items. The City of Tupelo shall provide areas for excess materials to be delivered and disposed.
- 4. The contractor shall develop an Erosion Control Plan, SWPPP and complete a Small Contractor Notice of Intent (SCNOI) prior to occurrence of the Notice to Proceed. The contractor will be responsible for the control of sediment within the project site. The contractor shall install and maintain appropriate erosion control measures to ensure that no sediment leaves the project site. All erosion control measures shall be in accordance with the contractor's Erosion Control Plan, SWPPP, and SCNOI documents.

EXISTING CHAIN LINK FENCE

REMOVE & REINSTALL AS REQ'D



DabbsCorporation

EXISTING GRATE INLET

EXISTING 48"HDPE -

(TO BE REMOVED)

1050 N. EASON BLVD. TUPELO, MS 38804 OFFICE: 601.927.4012 dabbscorp@gmail.com

EBX ® ® ŁBX

EX INLET 5

TOP = 295.34'—

FL = 286.97

DESIGNED: DD DATE: 05/30/2023 CHECKED: DD PROJECT:

REMARKS REMARKS

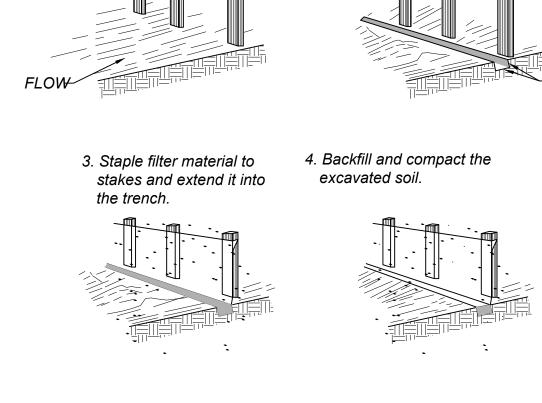
EXISTING SITE CONDITIONS DEMOLITION PLAN

C1

CHECKED: DD PROJECT: 0

LAYOUT PLAN

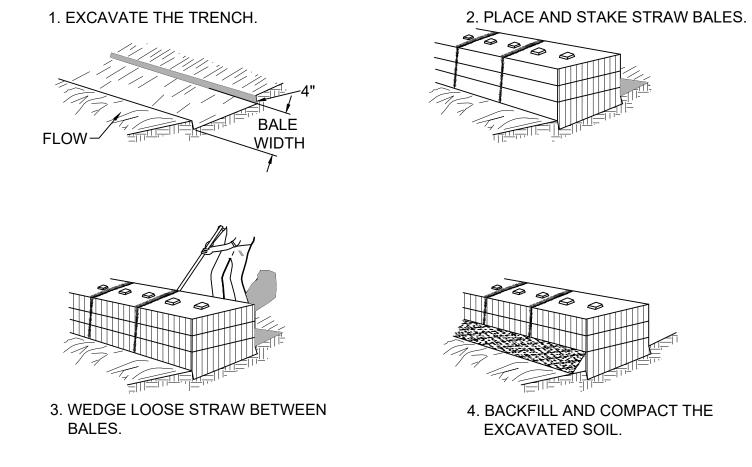
PROPER PLACEMENT OF A FILTER BARRIER IN A DRAINAGE WAY NOT TO SCALE



1. Set the stakes

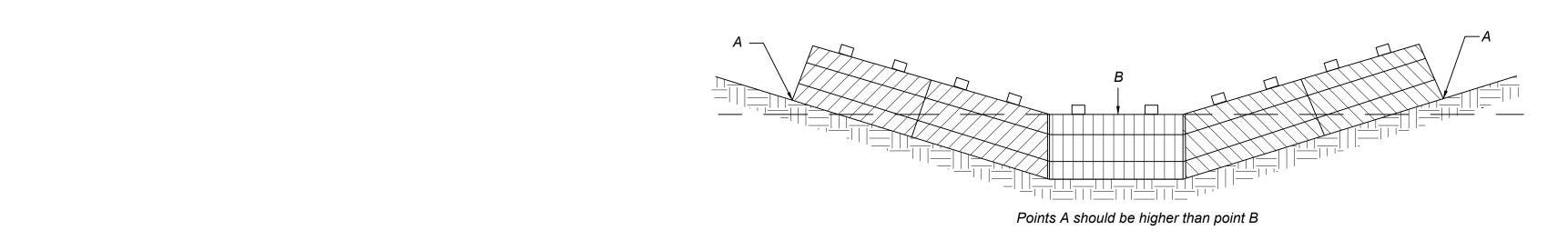
2. Excavate a 4" x 4" trench upslope

along the line of stakes.

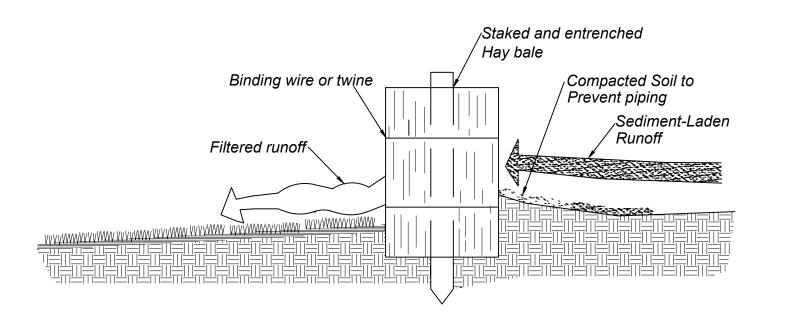


CONSTRUCTION OF A STRAW BALE BARRIER NOT TO SCALE

CONSTRUCTION OF A SILT FENCE NOT TO SCALE



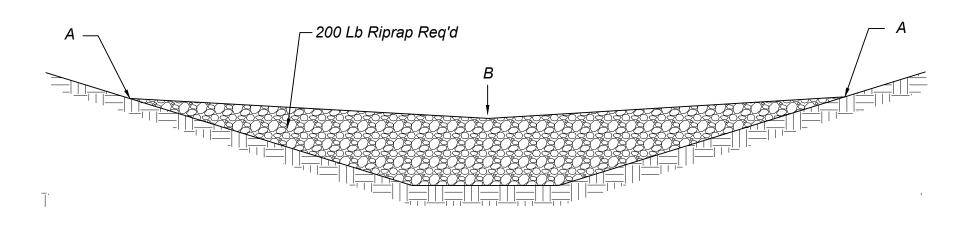
HAY BALE DITCH CHECK ELEVATION



HAY BALE DITCH CHECK SECTION

__200 Lb Riprap Req'd Compacted Soil to Prevent piping Sediment-Laden Runoff Filtered runoff

RIPRAP DITCH CHECK ELEVATION



Points A should be 6" higher than point B

RIPRAP DITCH CHECK SECTION

PREPARED BY:

SCALE: 0:0 DATE: 05/30/2023 CHECKED: DD PROJECT: 0

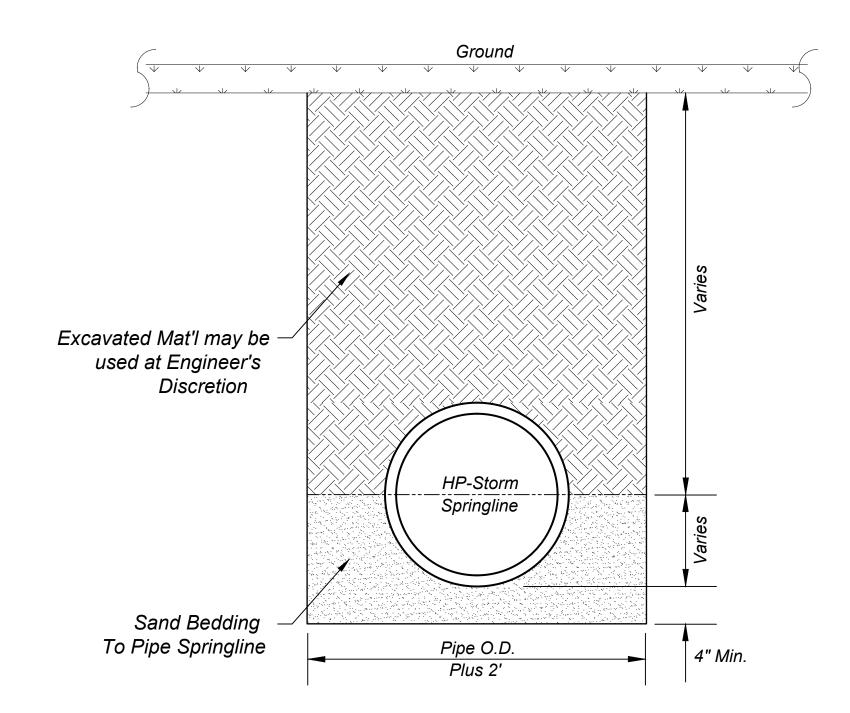
DATE

EROSION CONTROL DETAILS

SHEET NO

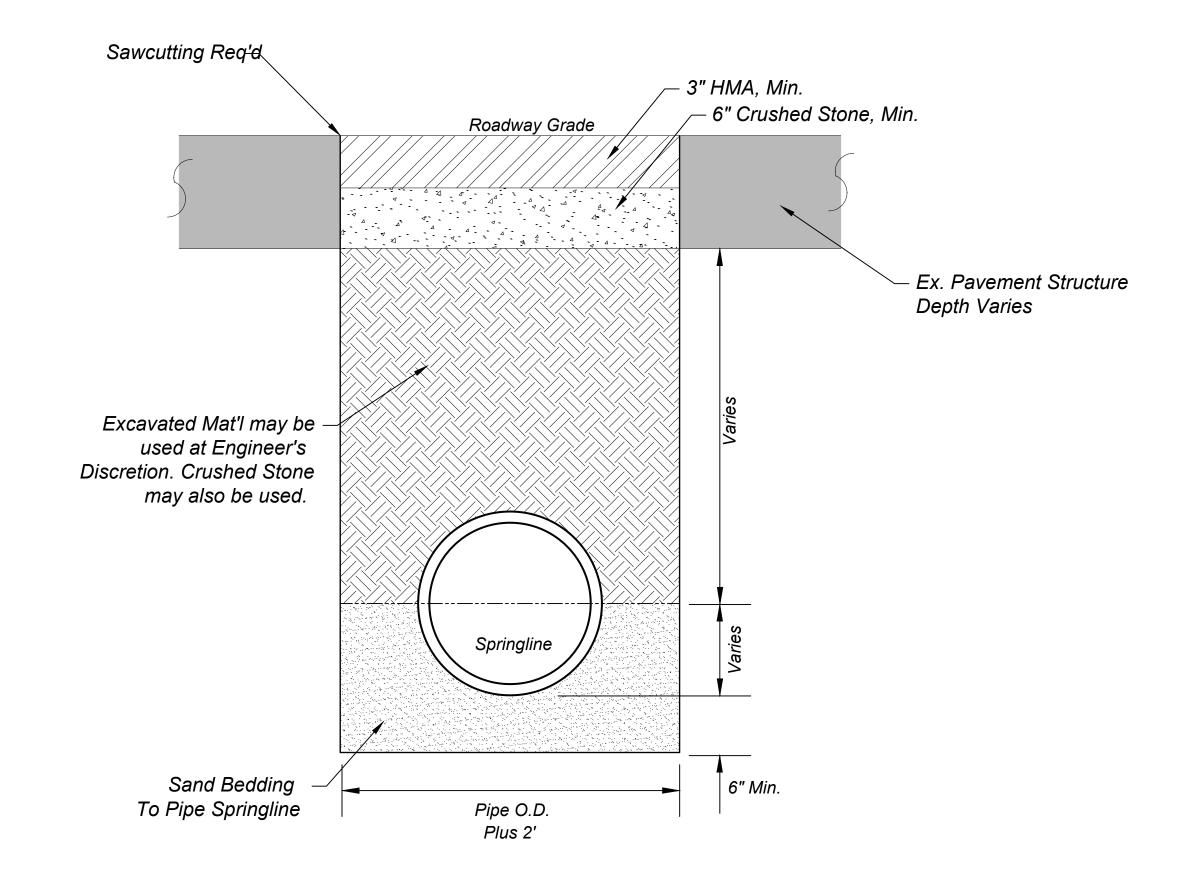
C3.1

DRAWING REVISIONS SHEET TITLE: DRAWN: TC DATE REMARKS REMARKS DabbsCorporation 1050 N. EASON BLVD. TUPELO, MS 38804 OFFICE: 601.927.4012 dabbscorp@gmail.com DESIGNED: DD



HP-Storm PIPE INSTALLATION (NON-ROADWAY)

Not to Scale



HP STORM INSTALLATION (ROADWAY)

Not to Scale

PREPARED BY: **Dabbs**Corporation

1050 N. EASON BLVD. TUPELO, MS 38804 OFFICE: 601.927.4012 dabbscorp@gmail.com

DRAWN: TC DESIGNED: DD

SCALE: 0:0 DATE: 05/30/2023 CHECKED: DD PROJECT: 0

DATE

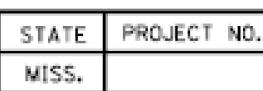
REMARKS

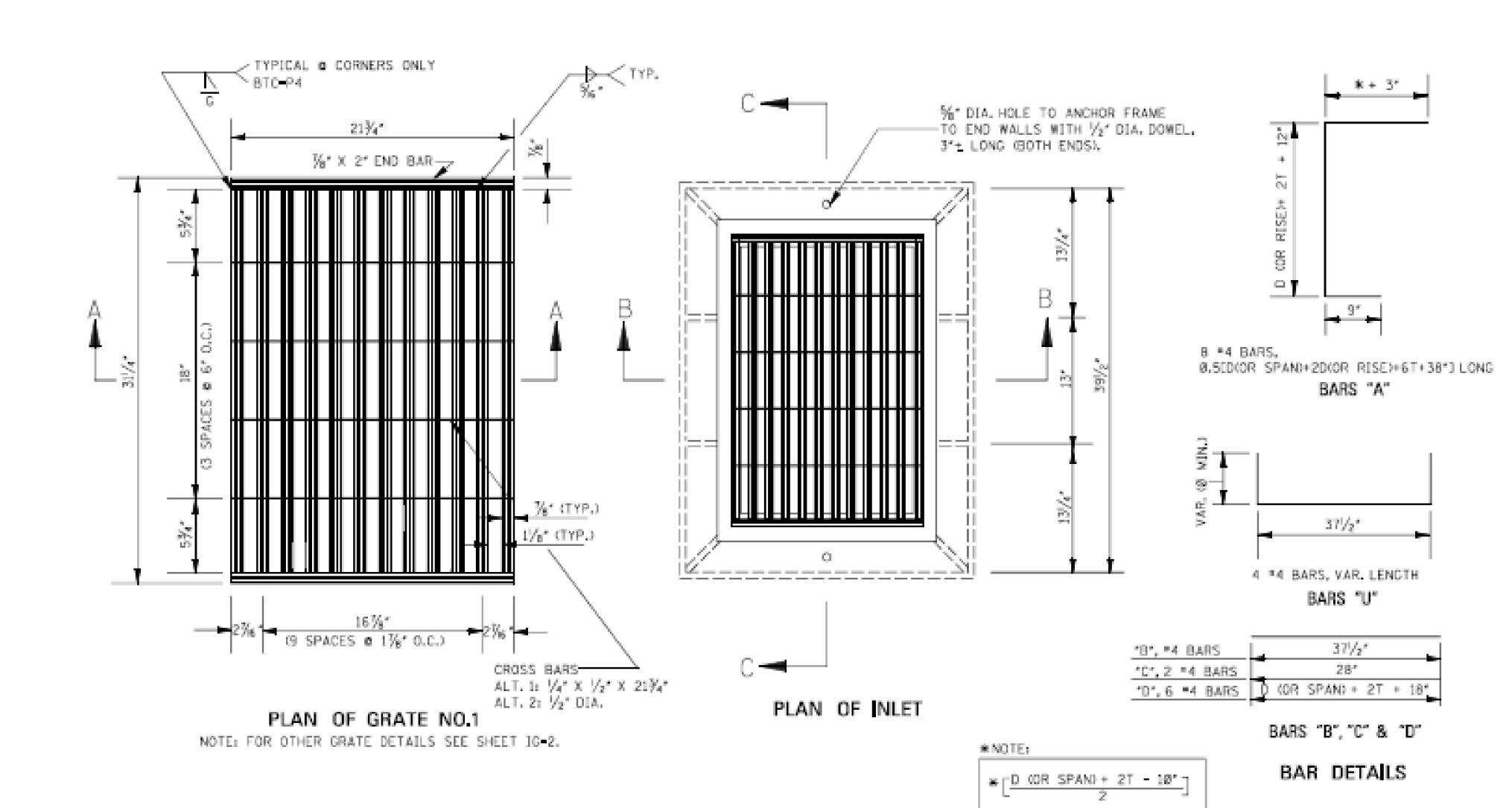
NO. DATE REMARKS

PIPE INSTALLATION DETAILS

SHEET NO:

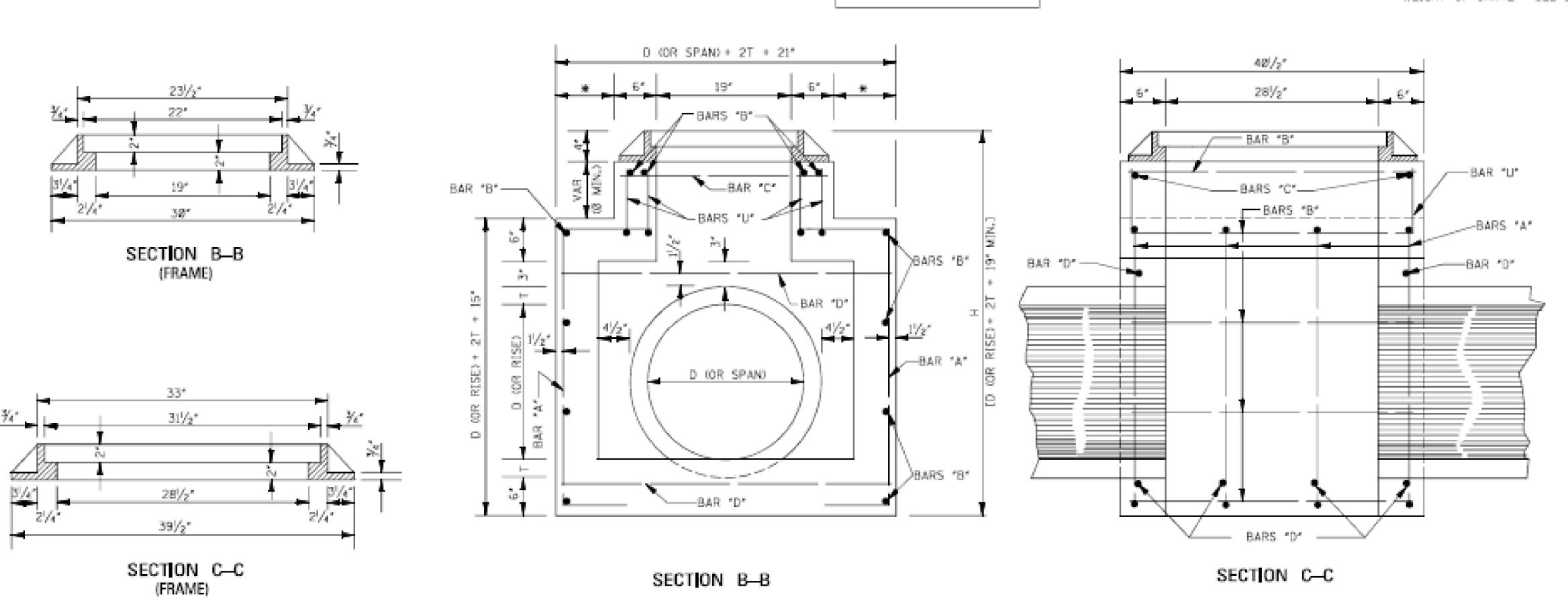
C3.2





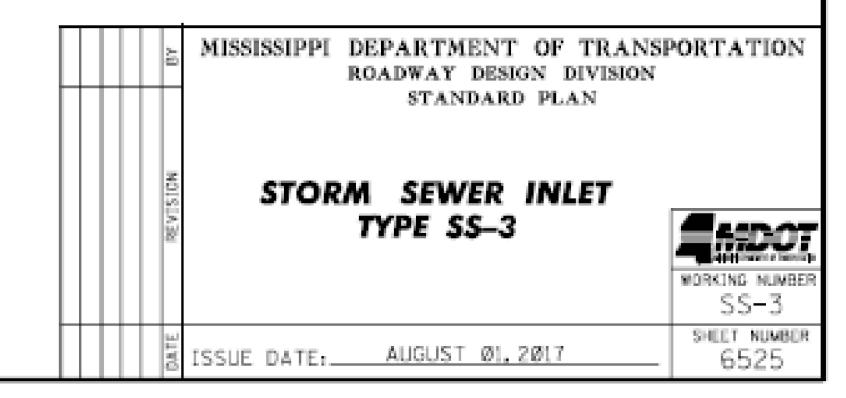
QUANTITIES										
	WIN	MIN. DEP	TH INLET	PIPE			B.#	RS/SIZES		
PIPE SIZE	MIN. DEPTH TO F.L.	CONC. (yd ³)	STEEL (bs)	OPENING DEDUCTION (yd ³)	Т	NO. B LGTH.	18" "4 NO. 8 LGTH.	NO. o LGTH.	NO. 0 LGTH.	"U" 4 NO. 0 LGTH.
18"	2.792'	0.869	76	0.053	21/2*	8 c 4' 51/2"	12 0 3'- 11/2"	2 0 2'-4"	6 a 3'=6"	4 8 3'-91/2"
24*	3.334'	1.117	87	8.891	3*	8 a 5'-4"	14 e 3'- 1½'	2 o 2'=4"	6 0 4' -8 "	4 g 3'-91/2"
30"	3.8751	1.385	94	0.138	31/2*	8 a 6'-21/2"	14 @ 3'- 11/2"	2 e 2'=4"	6 0 4'=7"	4 m 3'-91/2"
36"	4.417'	1.671	185	2.196	4"	8 c 7'-1"	16 e 3'= 11/2"	2 e 2'-4'	6 0 5'-2"	4 m 3'-91/2"
42"	4.9591	1.978	116	0.263	41/2*	8 2 7'-111/2"	18 0 3'- 11/2"	2 0 2'=4"	6 a 5'=9"	4 n 3'-91/2"
48*	5.588'	2.305	123	8.348	5*	8 0 8'-10"	18 c 3'- 11/2"	2 o 2'=4"	6 0 6'-4"	4 m 3'-91/2"
54*	6.8421	2.650	135	0.427	51/2*	8 @ 9'-8//2"	20 a 3'- 11/2"	2 e 2'-4"	6 0 6'-11'	4 m 3'-91/2'
68"	6.583'	3.016	146	0.524	6*	8 c 10'=7"	22 a 3'- 1½'	2 0 2'-4"	6 o 7'-6"	4 n 3'-91/2"
66"	7.1251	3.482	153	0.630	61/2*	8 a 11'-51/2"	22 0 3'- 1/ ₂ "	2 e 2'=4"	6 0 8'=1"	4 m 3'-91/2'
72*	7.667	3.886	164	0.747	7*	8 @ 12'-4"	24 a 3'= 1/2"	2 0 2'=4"	6 0 8'-8"	4 m 3'-91/2'
22° X 13°	2,417	0.855	76	0.053	21/2"	8 g 4'-3"	12 c 3'- 11/2"	2 0 2'-4"	6 o 3'=9"	4 m 3'-91/2"
29" X 18"	2.833′	1.885	83	8.887	3*	8 a 5'-0'/4"	12 a 3'- 11/2"	2 0 2'=4"	6 a 4'=41/2	'4 m 3'-91/2'
36" X 23"	3.258'	1.358	94	Ø.129	31/2"	8 e 5'-10"	14 c 3'- 1½"	2 o 2'=4"	6 0 5'-1"	4 g 3'•91/2"
44° X 27°	3.635	1.631	101	Ø.185	4"	8 o 6'-T1/2"	14 e 3'- 1½'	2 e 2'-4"	6 o 5'=18"	4 m 3'-9½*
51° X 31°	4.868	1.942	113	0.245	41/2"	8 c 7'-5/2"	16 e 3'= 1½"	2 0 2'-4"	6 p 6'-6"	4 m 3'-91/2"
58° X 36°	4,588'	2,269	128	0.318	5*	8 2 8'-3"	16 o 3'= 1\/2"	2 0 2'=4"	6 o 7'-21/2	'4 m 3'-91∕₂'
65" X 40"	4.8751	2.575	130	8.394	51/2"	8 @ 9'-0"	18 e 3'- 11/2"	2 0 2'=4"	6 0 7'-18"	4 0 3'-91/2"
73° X 45°	5.333′	2.966	139	0.489	6*	8 0 9'-10/2"	18 e 3'- 1½'	2 6 2'-4"	6 o 8'-7"	4 m 3'-91/2"
88" X 54"	6.167'	3.765	156	0.688	7*	8 c 11'-6"	20 0 3'- 1½'	2 e 2'-4"	6 o 10'-0'	4 a 3'-91/2"

- NOTES: 1. ONE (1) PIPE OPENING HAS BEEN DEDUCTED FROM THE STRUCTURE.
 - FOR EACH ADDITIONAL FOOT OF INLET HEIGHT, ADD Ø.184 yd³ CLASS "B" CONCRETE AND 17 bs REINFORCING STEEL.
 - 4 BARS "B" AND 2 BARS "C" REQUIRED PER EACH ADDITIONAL FOOT OF INLET HEIGHT.
 - WEIGHT OF FRAME CASTING = 244 bs.
 WEIGHT OF GRATE = SEE SHEET IG-2.

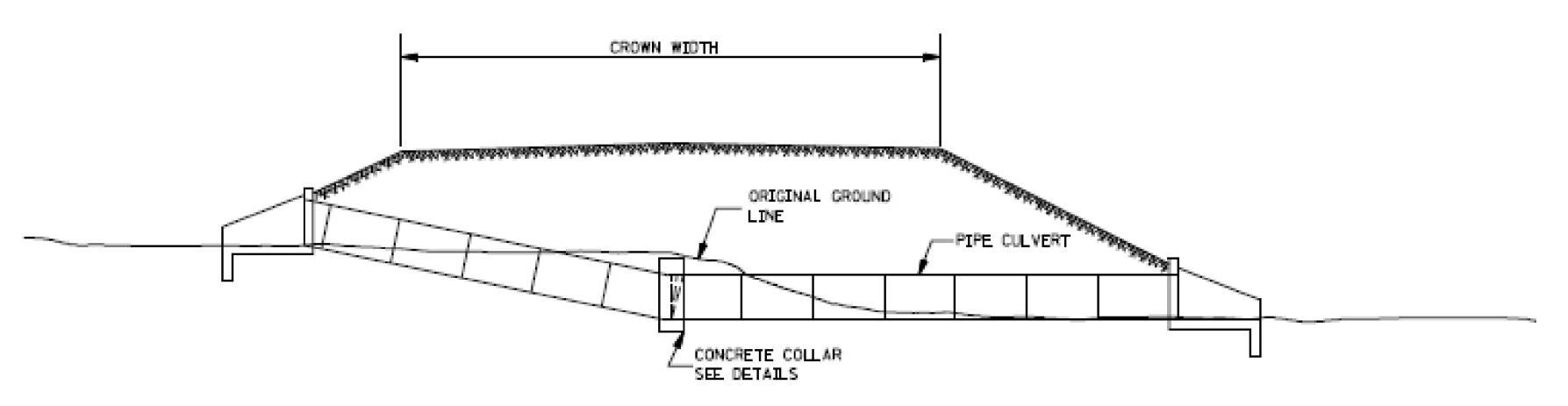


GENERAL NOTES:

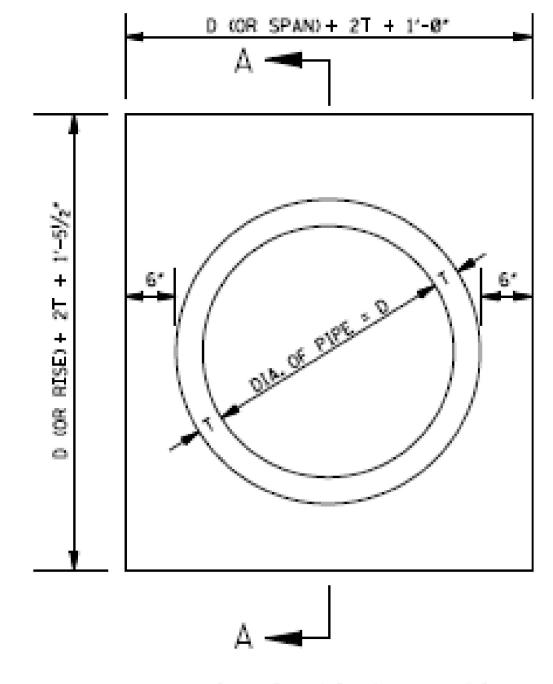
- QUANTITIES SHOWN WILL BE THE BASIS OF PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE.
- CONCRETE SHALL BE CLASS "B" CONCRETE AND REINFORCING STEEL SHALL BE DEFORMED BARS.
- THE CONTRACTOR HAS THE OPTION TO PROVIDE GRATE NO. 1 OR GRATE NO. 2 AS SHOWN ON SHEET IC-2.
- FRAME TO BE GRAY IRON CASTING, (AASHTO M 105, CLASS 30).



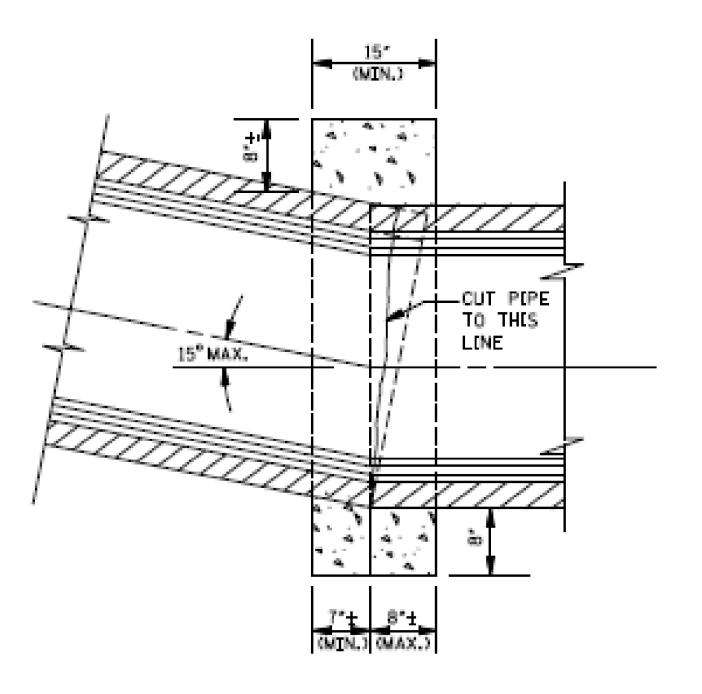
STATE	PROJECT	NO.
MISS.		



TYPICAL INSTALLATION FOR PIPE CULVERT WITH BROKEN FLOW LINE



ELEVATION OF CONCRETE COLLAR NOTE: CIRCULAR PIPE IS SHOWN, ARCH PIPE IS SIMILAR.



SECTION A-A

GENERAL NOTES:

- THE MAXIMUM BEND ANGLE IS 15 DEGREES.
- THE FOLLOWING QUANTITIES SHALL BE THE BASIS FOR PAYMENT UNLESS AUTHORIZED MODIFICATIONS ARE MADE:

QUANTITIES FOR							
CONCRETE COLLAR FOR PIPE CULVERTS							
CER	CULAR PIPE	ARCH P]PE					
DIA. OF PIPE	CLASS 'B' CONCRETE (yd3)	SIZE OF PIPE	CLASS "B" CONCRETE (yd ³)				
12*	0.240						
15*	0.260	18 × 11	0.280				
18*	0.320	22 × 13	0.310				
24"	0.410	29 × 18	0.410				
30.	0.510	36 × 23	0.490				
36*	0.620	44 x 27	0.600				
42*	0.730	51×31	8.698				
48*	0.850	58 × 36	0.820				
54*	0.980	65 x 40	0.920				
69.	1.11@	73 x 45	1.070				
66,	1.248	88 x 54	1.366				
72*	1.393						

		2	97	MISSISSIPPI DEPARTMENT OF TRANSPORMAN DESIGN DIVISION STANDARD PLAN	RTATION
		- Charles Control	MEVESTON	CONCRETE PIPE COLLAR	ALDOT DRKING NUMBER PC-1
		100	DATE	ISSUE DATE: AUGUST Ø1, 2017	HEET NUMBER 6503