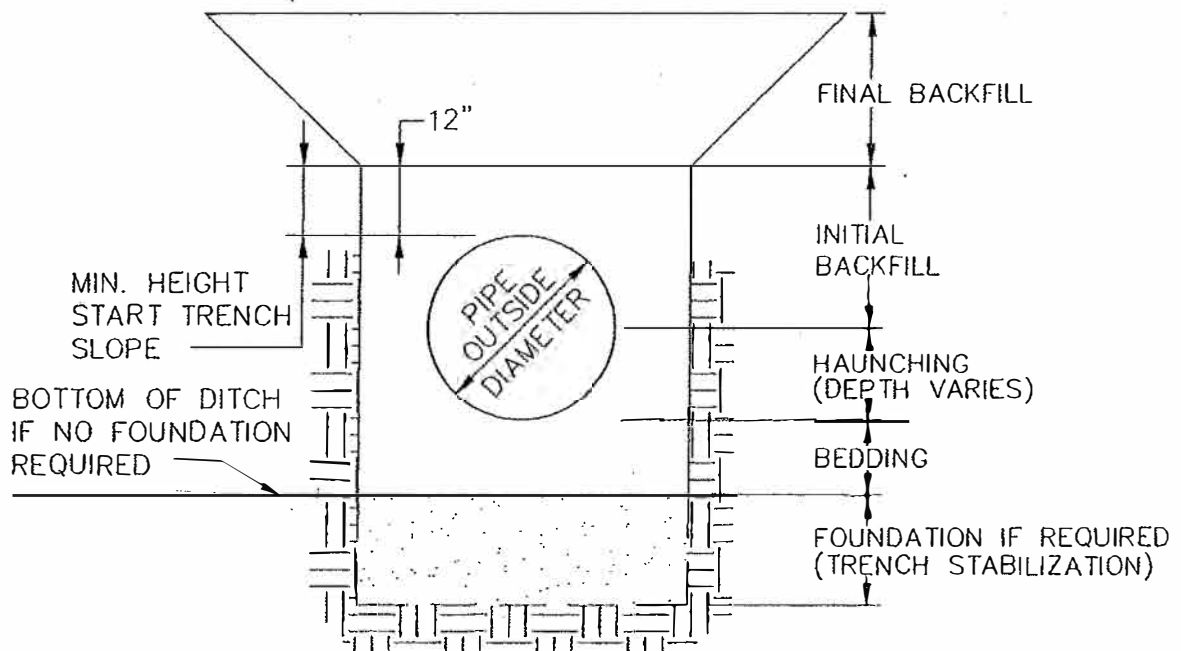




NOTE: SEE SPECIFICATIONS SECTION 02225
AND DETAIL NO. G-2 FOR
DIMENSIONS AND
MATERIALS



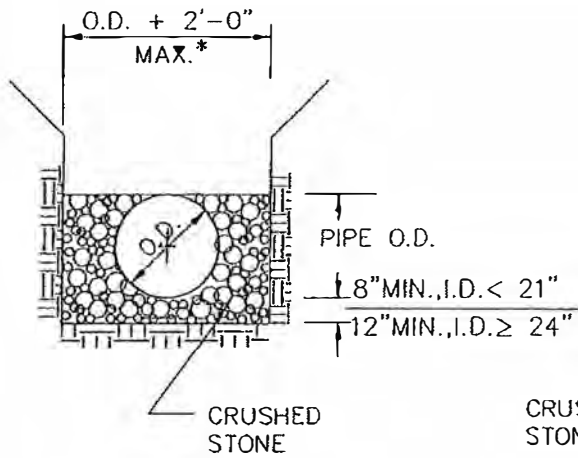
BARROW
COUNTY

STANDARD DETAILS

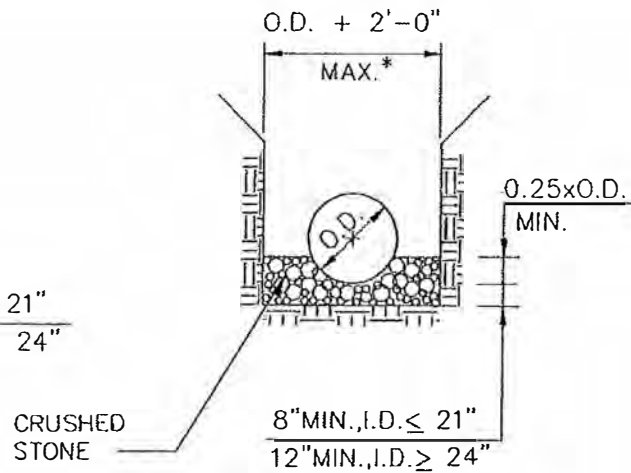
TRENCH TERMINOLOGY

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-1

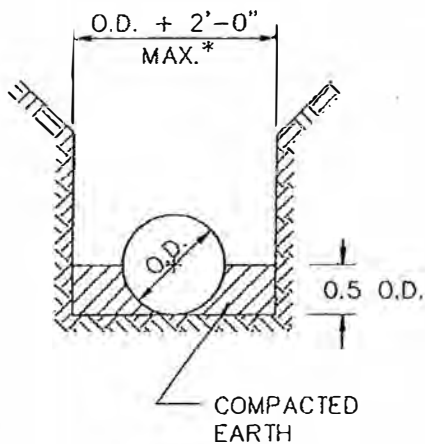


PVC PIPE

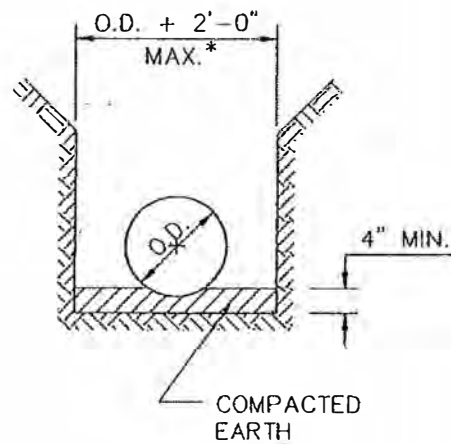


DUCTILE IRON PIPE

GRAVITY SEWERS



TYPE 2



TYPE 3

FORCE MAIN

* EXCEPT TRENCHES IN ROCK, WHERE MINIMUM TRENCH WIDTH IS THREE FEET



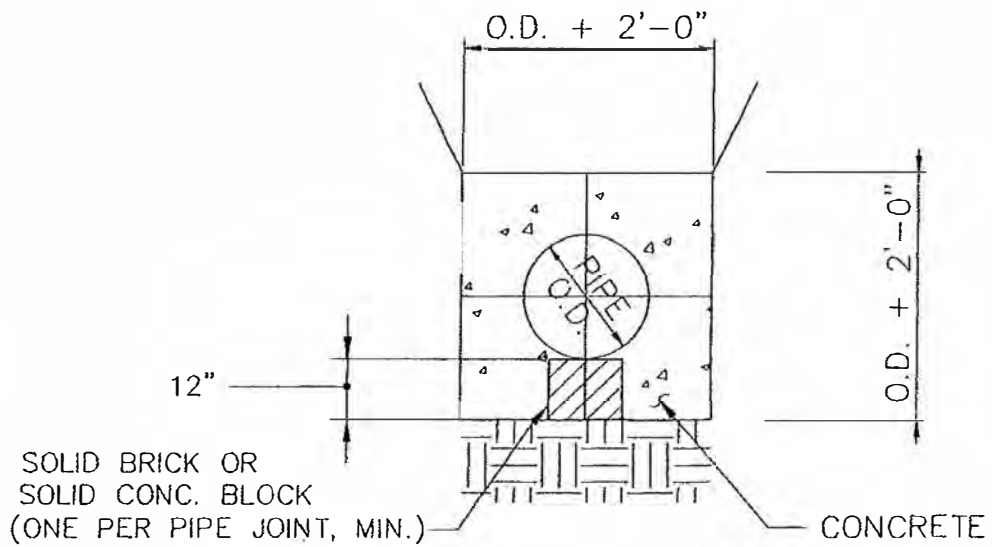
BARROW
COUNTY

STANDARD DETAILS

PIPE BEDDING
AND HAUNCHING

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-2



BARROW
COUNTY

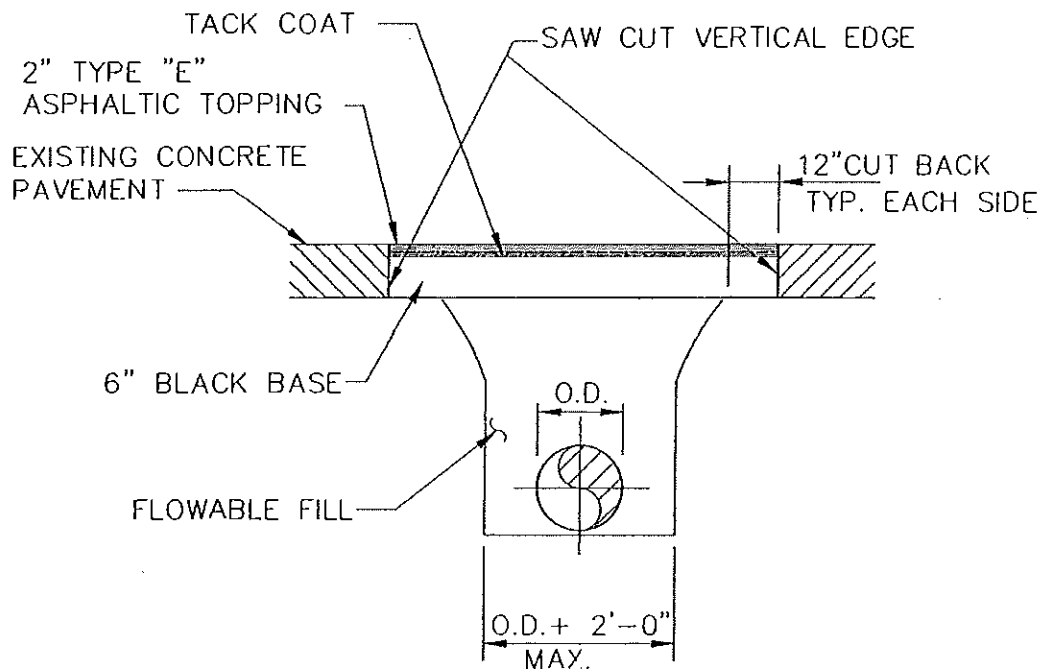
STANDARD DETAILS

CONCRETE ENCASEMENT

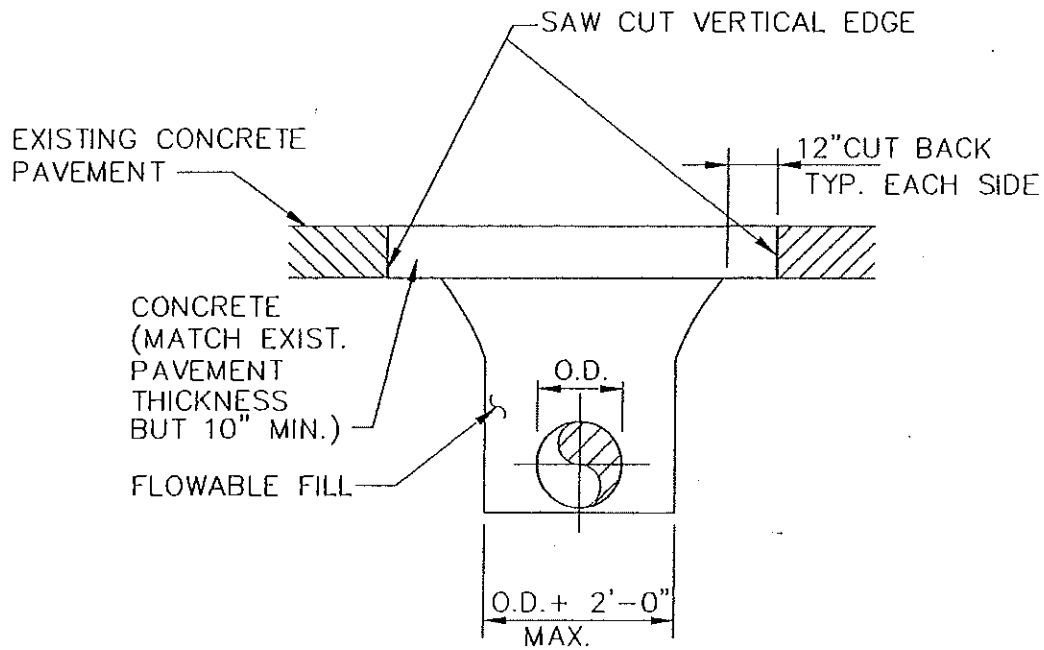
DATE : OCT 2021

SCALE : NONE

DETAIL NO. G-3



ASPHALT PAVEMENT



CONCRETE PAVEMENT



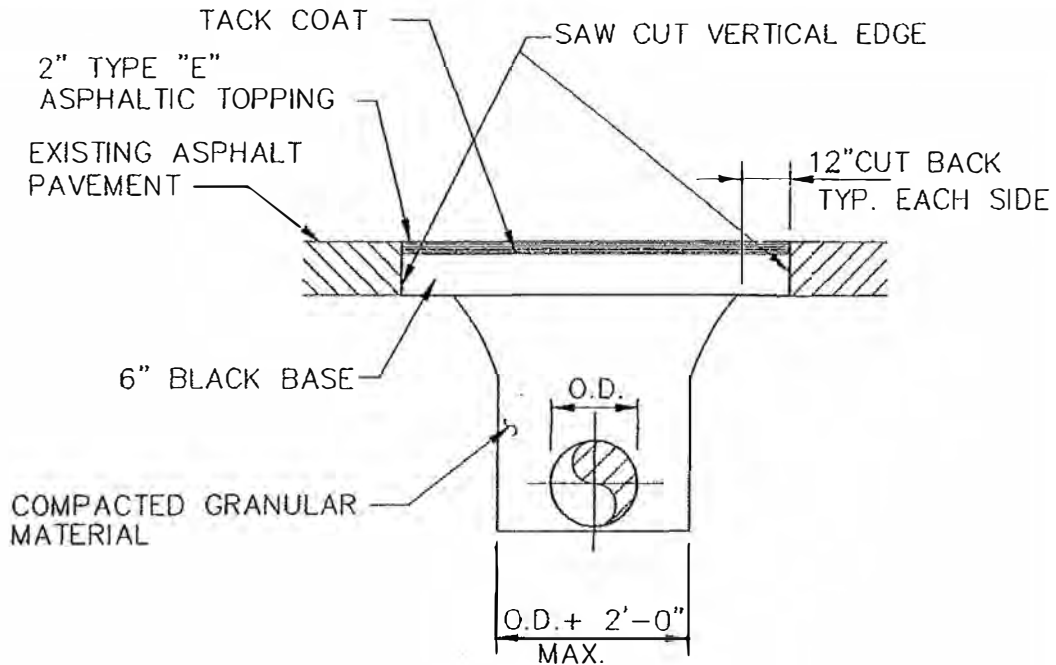
BARROW
COUNTY

STANDARD DETAILS

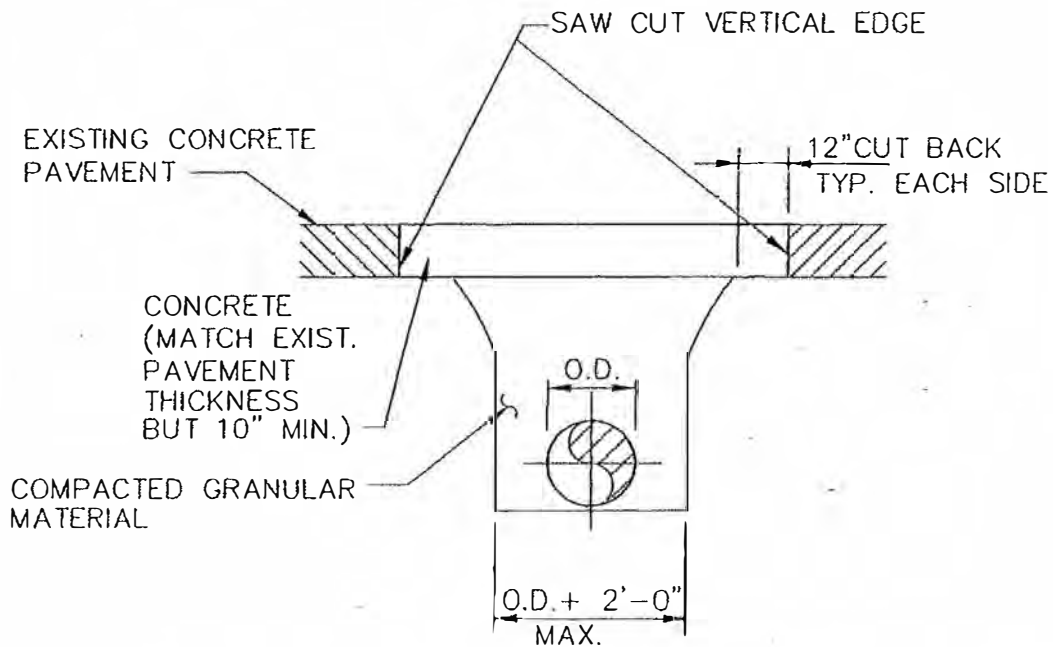
TYPE I PAVEMENT
REPLACEMENT

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-4



ASPHALT PAVEMENT



CONCRETE PAVEMENT



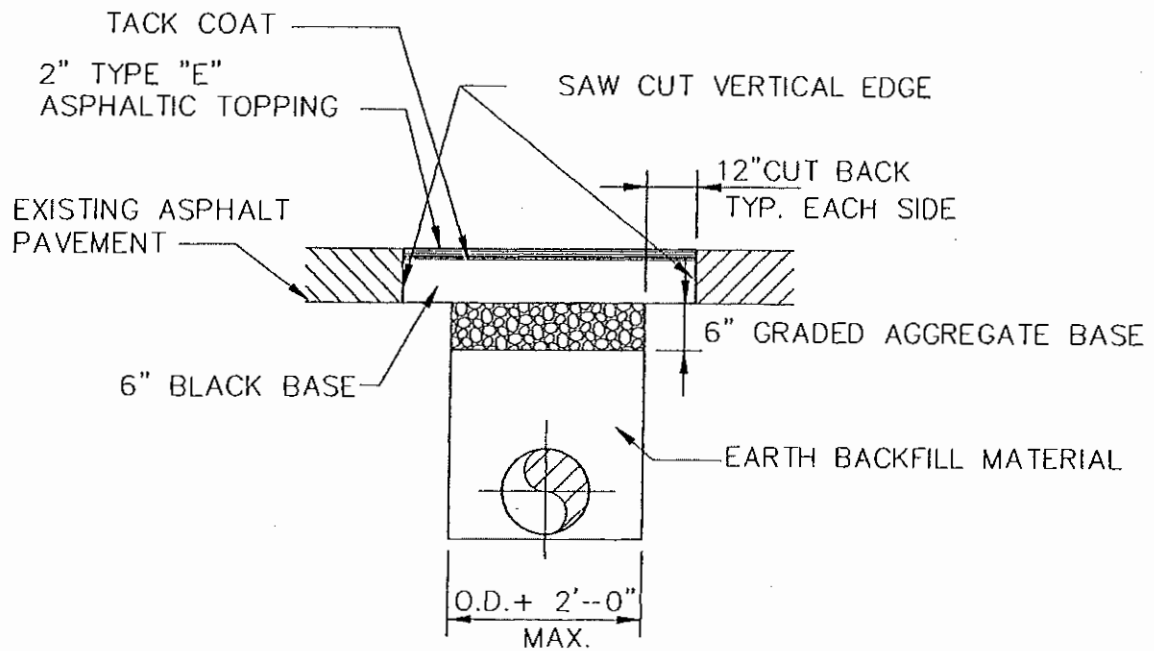
BARROW
COUNTY

STANDARD DETAILS

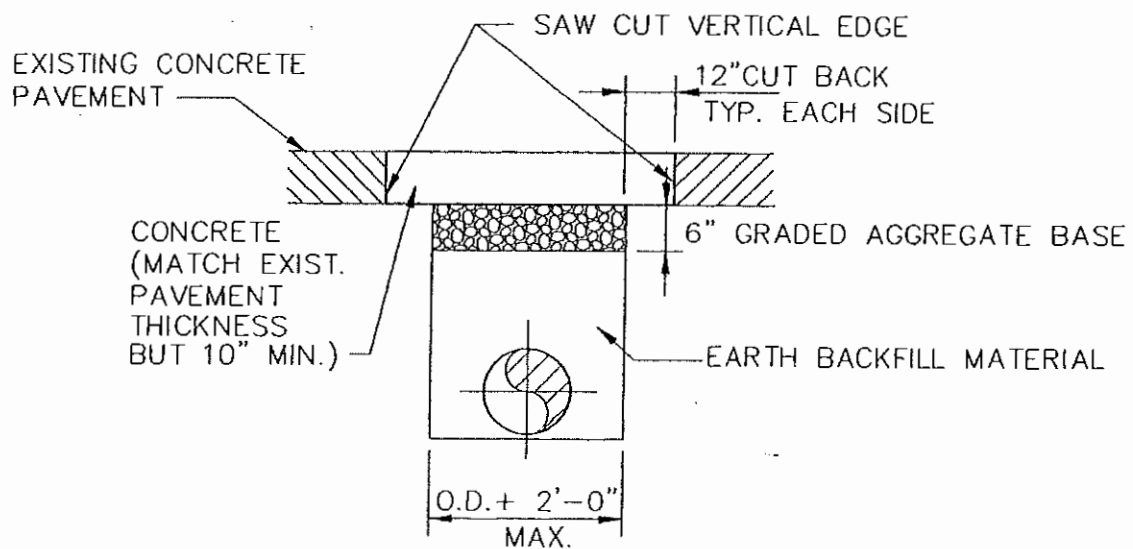
TYPE II PAVEMENT
REPLACEMENT

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-5



ASPHALT PAVEMENT



CONCRETE PAVEMENT



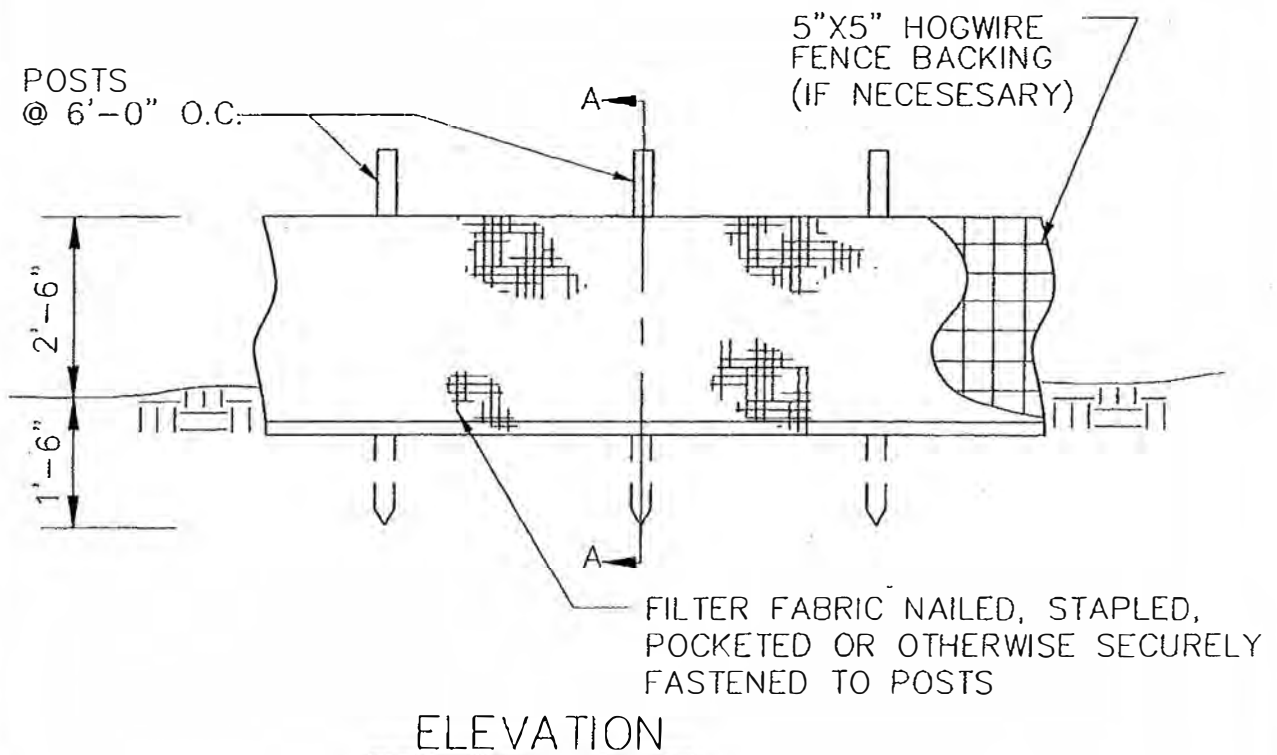
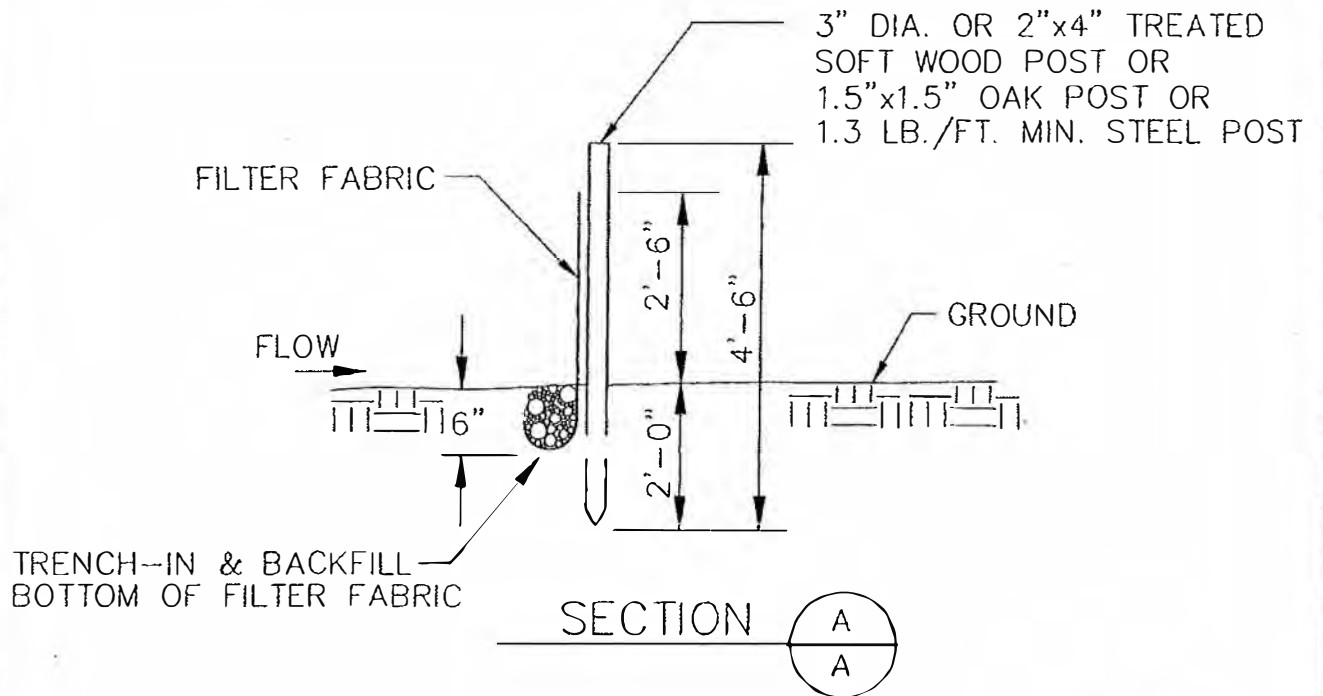
BARROW
COUNTY

STANDARD DETAILS

TYPE III PAVEMENT
REPLACEMENT

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-6



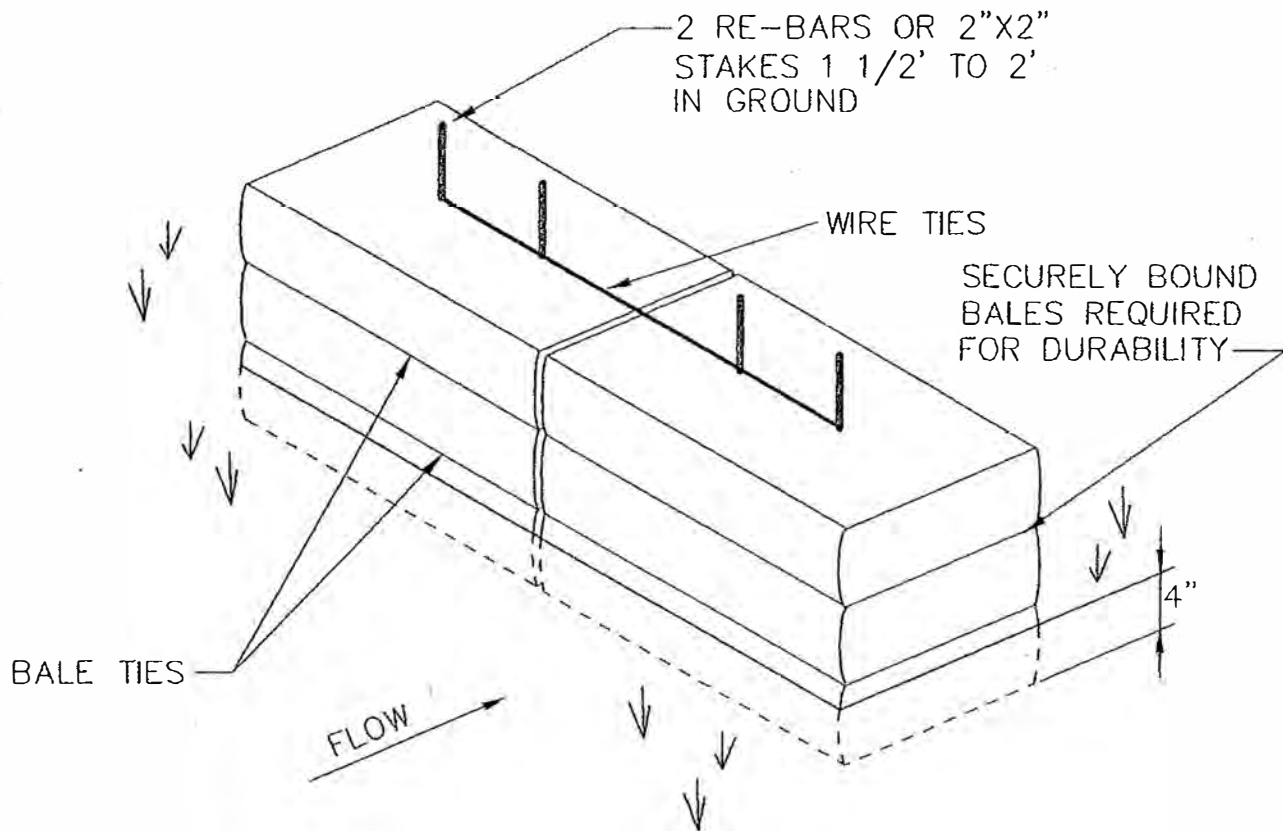
BARROW
COUNTY

STANDARD DETAILS

SILT FENCE
SEDIMENT BARRIER

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-7



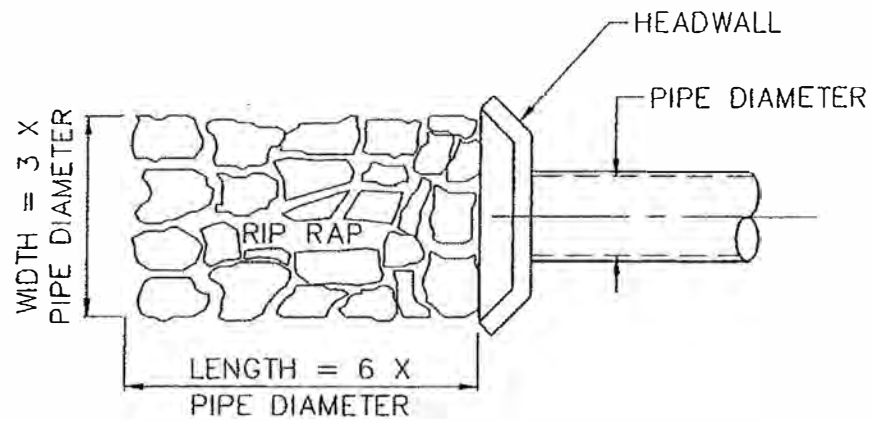
BARROW
COUNTY

STANDARD DETAILS

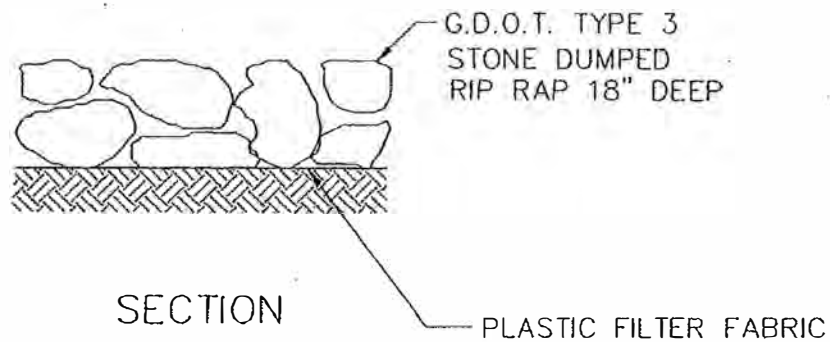
HAY BALE
SEDIMENT BARRIER

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-8



PLAN



SECTION



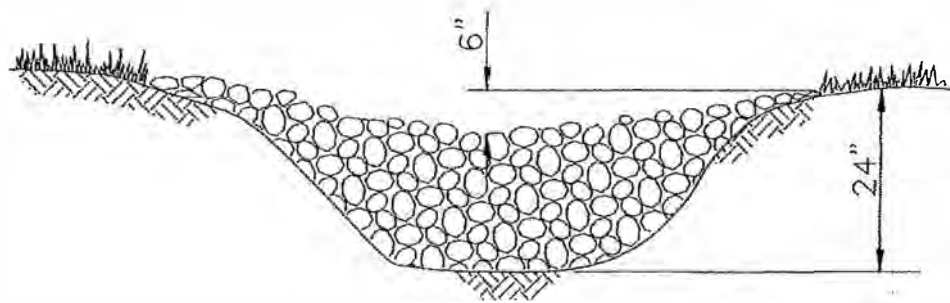
BARROW
COUNTY

STANDARD DETAILS

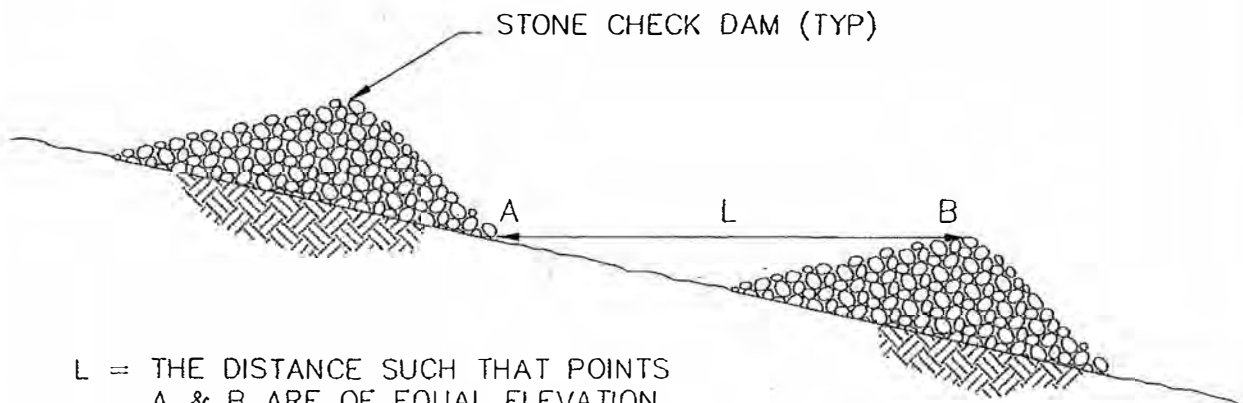
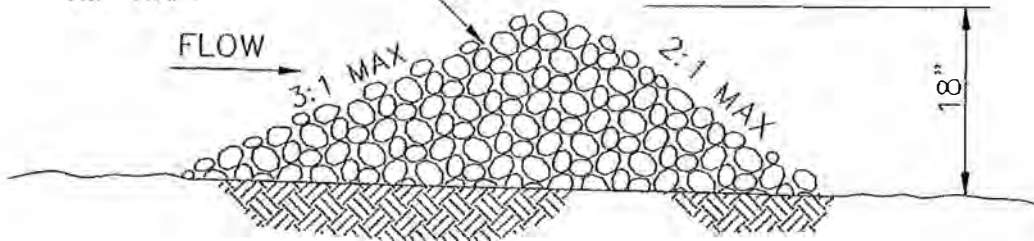
STORM DRAIN
OUTLET PROTECTION

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-9



G.D.O.T. TYPE 3
STONE DUMPED
RIP RAP.



L = THE DISTANCE SUCH THAT POINTS
A & B ARE OF EQUAL ELEVATION

*** NOTE TO DESIGNER: SHOW CHECK DAMS AT APPROXIMATE
LOCATIONS ON PLAN BASED UPON LENGTH (L).***



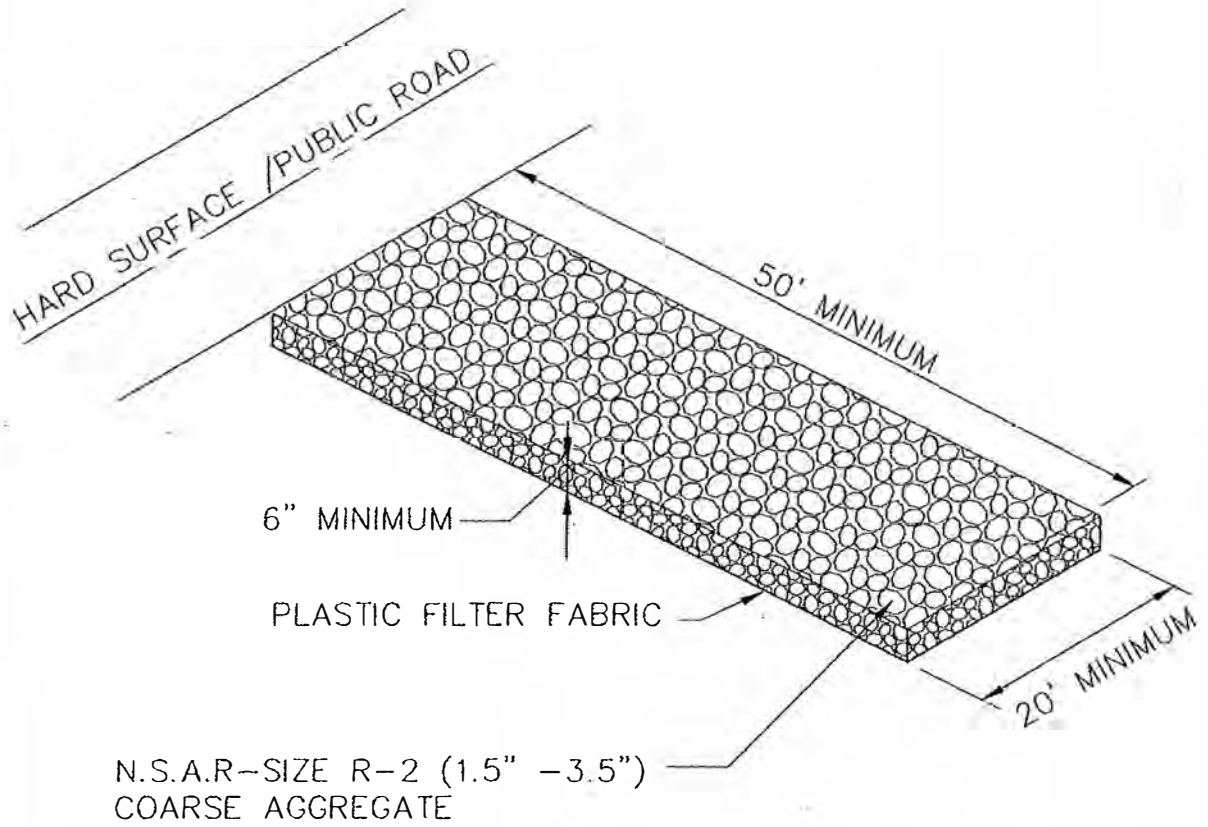
BARROW
COUNTY

STANDARD DETAILS

STONE CHECK DAM

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-10



BARROW
COUNTY

STANDARD DETAILS

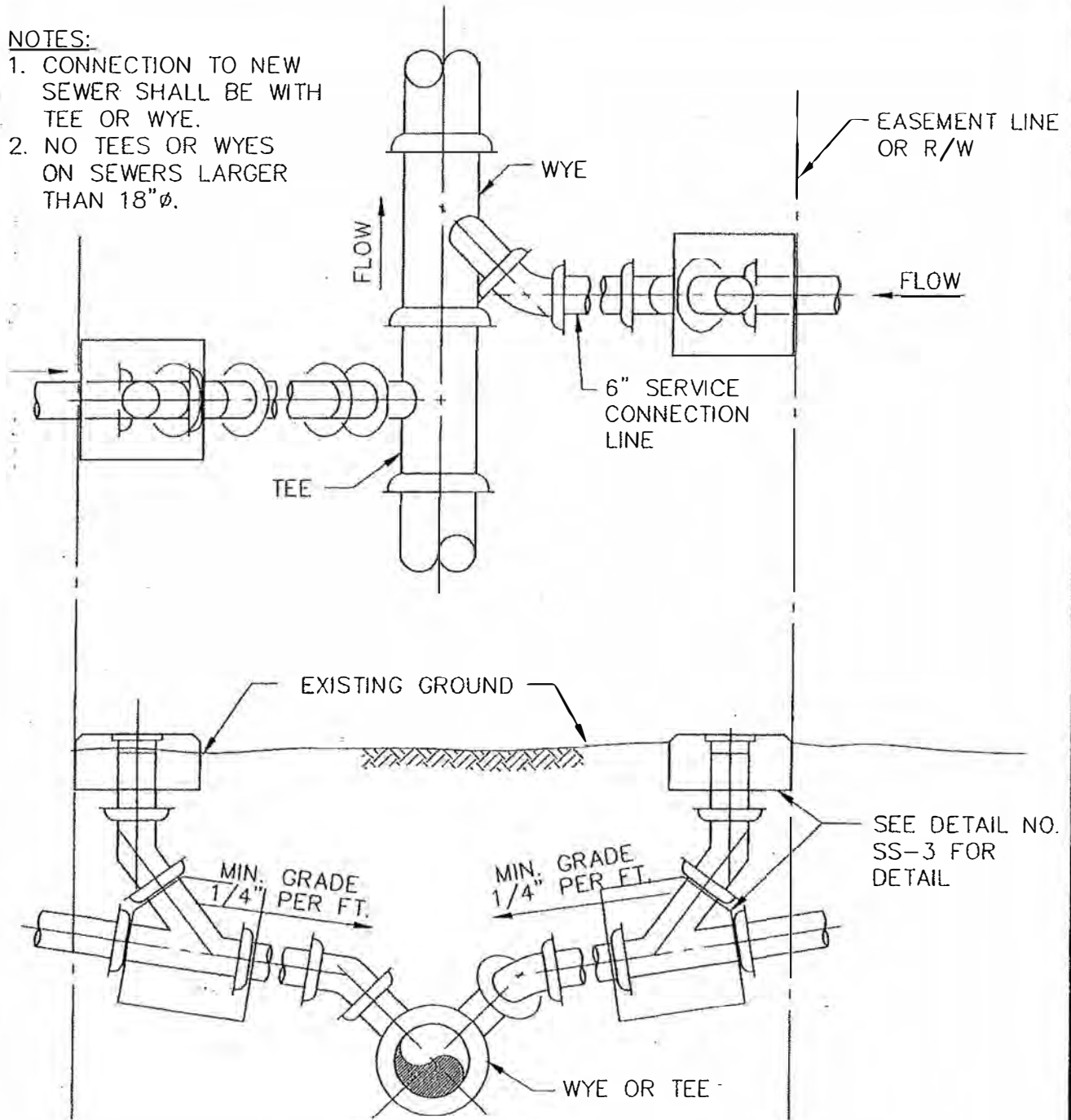
CONSTRUCTION EXIT

DATE : OCT 2021
SCALE : NONE

DETAIL NO. G-11

NOTES:

1. CONNECTION TO NEW SEWER SHALL BE WITH TEE OR WYE.
2. NO TEES OR WYES ON SEWERS LARGER THAN 18"Ø.



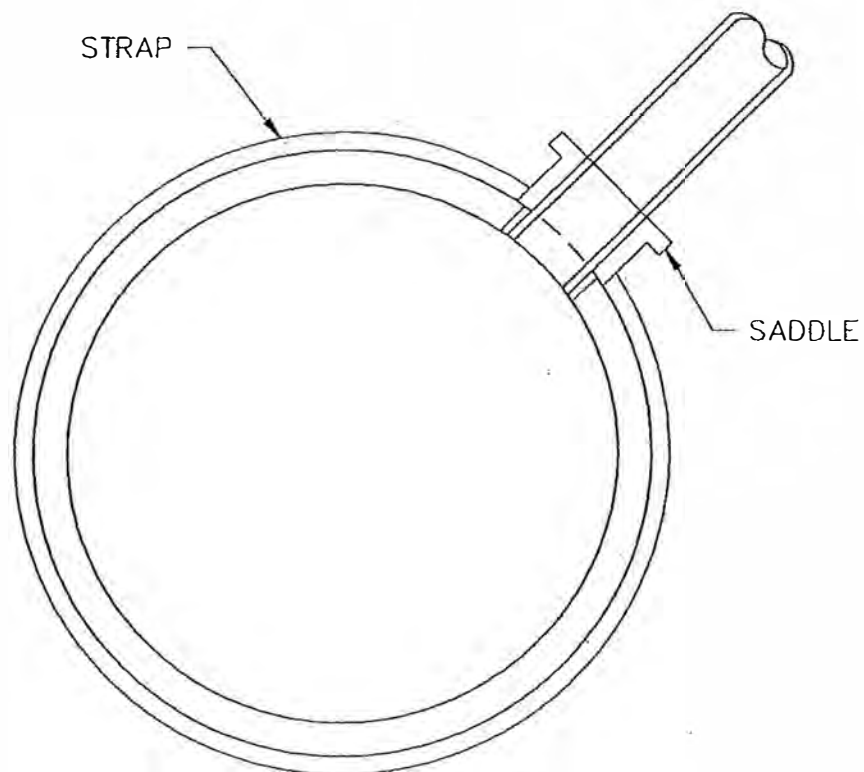
**BARROW
COUNTY**

STANDARD DETAILS
SERVICE CONNECTION
ON NEW SEWERS

DATE : OCT 2021
SCALE : NONE

DETAIL NO. SS-1

- NOTE: 1.) HOLE IN EXISTING SEWER SHALL BE CORED.
2.) CONNECT SERVICE TO SEWER WITH:
- TAPPING SADDLE ON DIP SEWERS
- MANUFACTURED SADDLE ON PVC PIPE SEWERS



BARROW
COUNTY

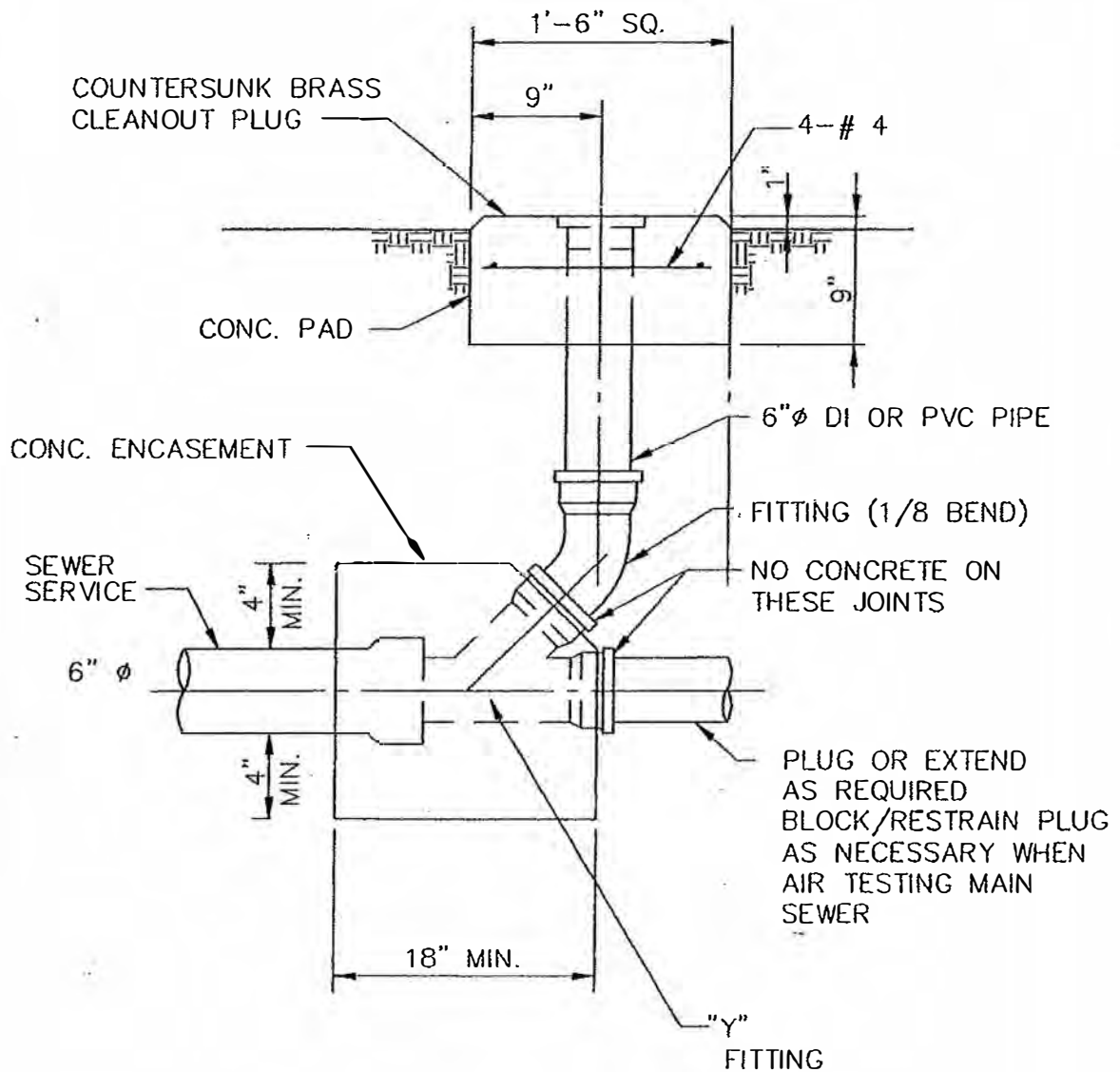
STANDARD DETAILS

SERVICE CONNECTION ON EXISTING SEWERS

DATE : OCT 2021
SCALE : NONE

DETAIL NO. SS-2

NOTE: TOP OF CONCRETE PAD SHALL BE FLUSH WITH FINAL SURFACE IN SIDEWALKS AND PAVED AREAS



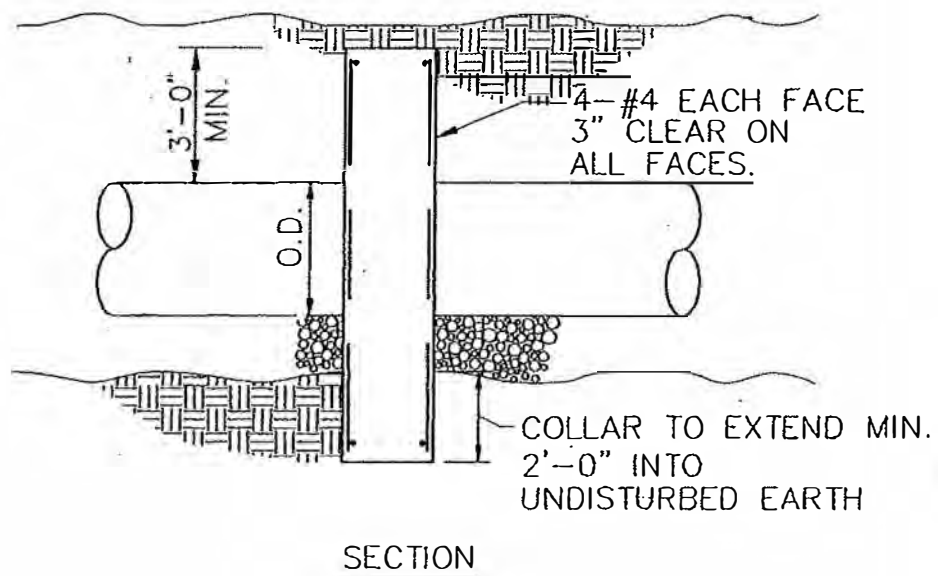
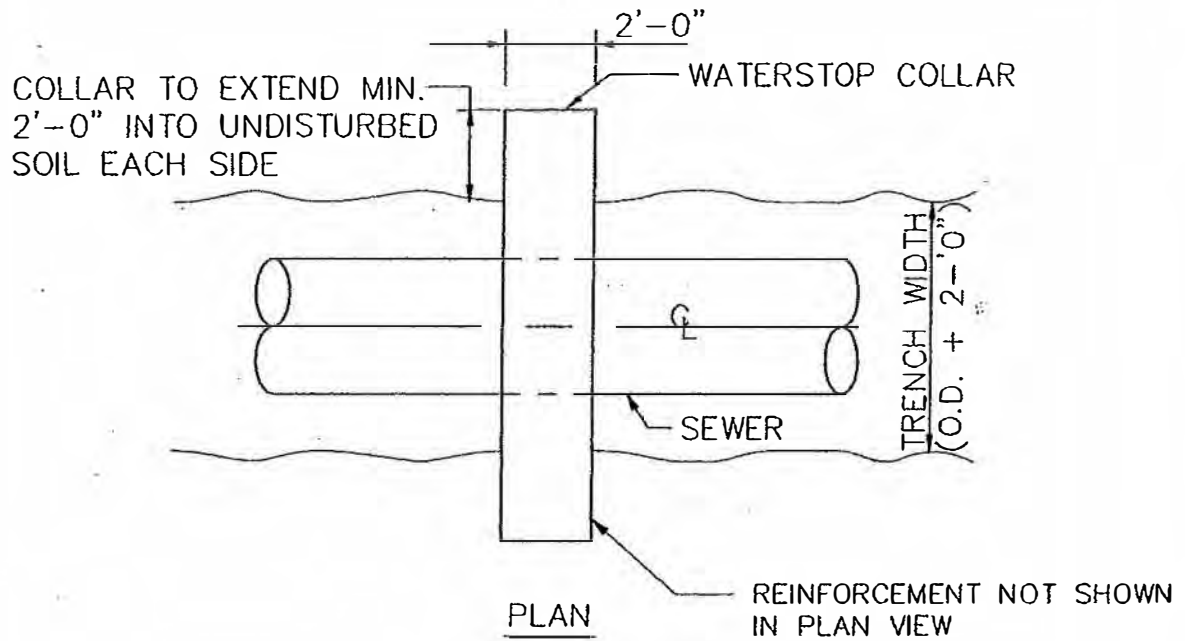
BARROW
COUNTY

STANDARD DETAILS

SERVICE CONNECTION
CLEANOUT

DATE : OCT 2021
SCALE : NONE

DETAIL NO. SS-3



BARROW
COUNTY

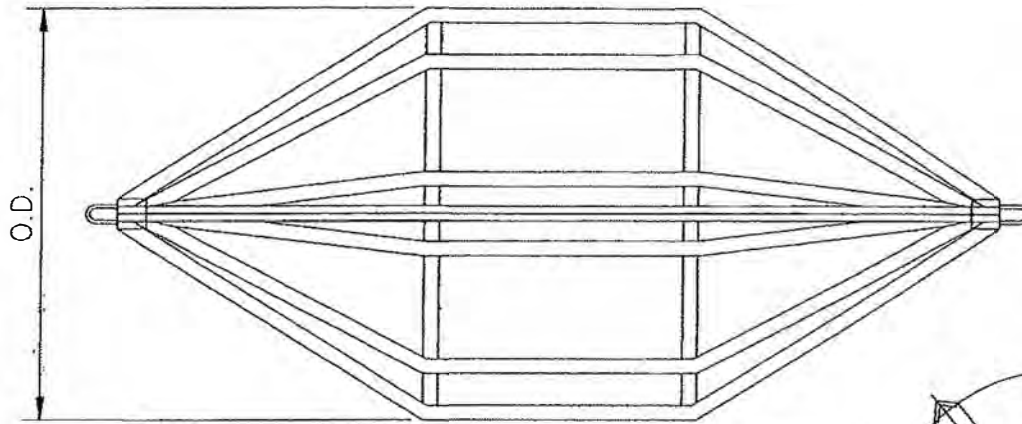
STANDARD DETAILS

WATER COLLAR

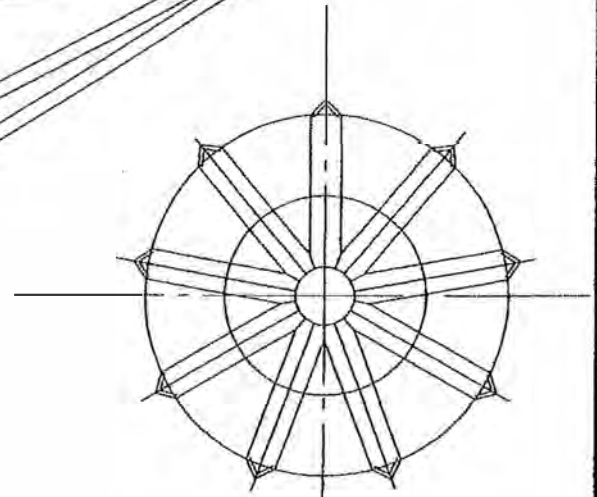
DATE : OCT 2021

SCALE : NONE

DETAIL NO. SS-4



SIDE OR TOP VIEW



END VIEW

MINIMUM MANDREL DIAMETER		
SEWER SIZE	ASTM D3034 SDR35	ASTM F679 T-1
6	5.46	N/A
8	7.28	N/A
10	9.09	N/A
12	10.79	N/A
15	13.20	N/A
18	N/A	16.13
21	N/A	19.00
24	N/A	21.36

EQUAL TO 95% OF BASE INSIDE DIAMETER



BARROW
COUNTY

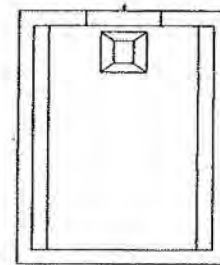
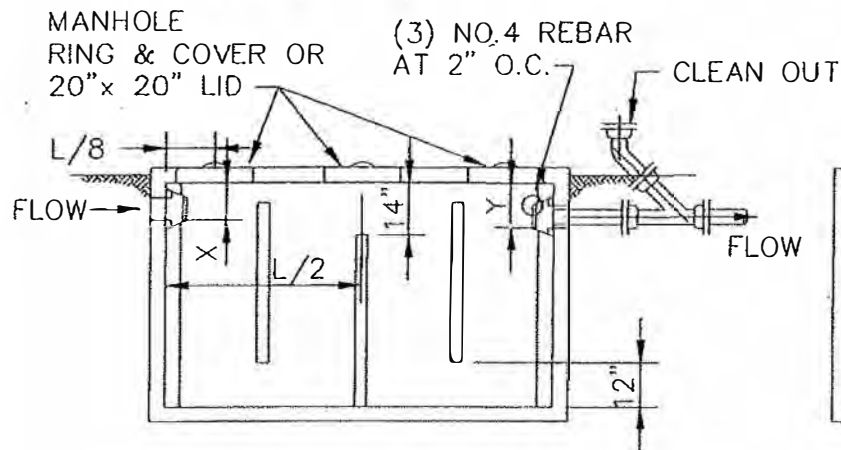
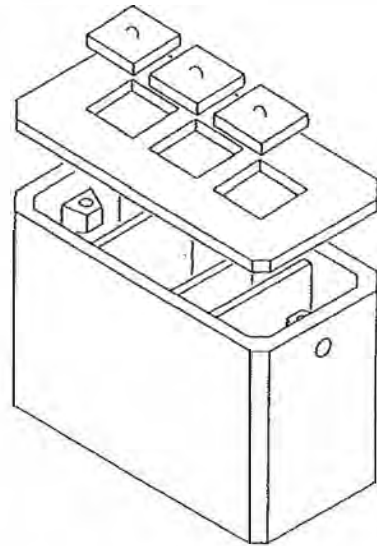
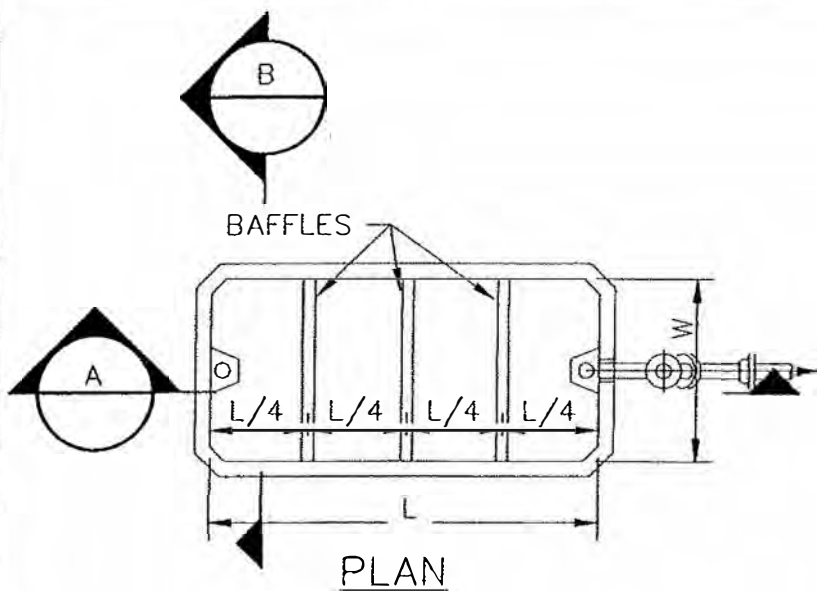
STANDARD DETAILS

DEFLECTION TEST
MANDREL

DATE : OCT 2021

SCALE : NONE

DETAIL NO. SS-5



TANK CAPACITY LIQUID GALLONS	L	W	D	INLET INVERT	OUTLET INVERT	APROX. WT. OF TANK IN LBS.	MINIMUM DIMENSIONS FOR EXCAVATION LENGTH x WIDTH x DEPTH	NO. LIDS
1000	8'-6"	4'-0"	5'-0"	10"	12"	9431	9'-6"x 5'-0"x 6'-0"	3
1500	10'-0"	5'-6"	5'-0"	10"	12"	13088	12'-0"x 7'-0"x 6'-0"	3

NOTE: DIMENSIONS SHOWN ARE SUGGESTED FOR TANK CAPACITIES SHOWN.
DESIGN SHOWN IS FOR NON-TRAFFIC AREAS. PROVIDE STRUCTURAL DESIGN
ADEQUATE FOR PARTICULAR INSTALLATION.

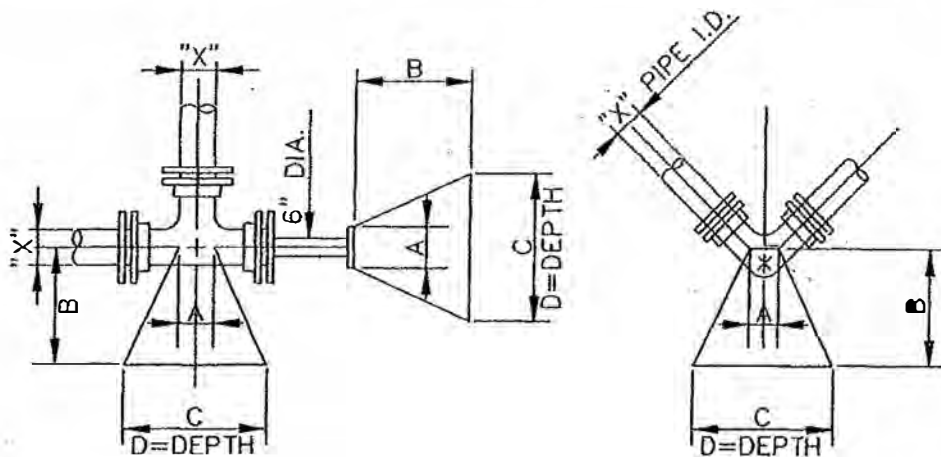


STANDARD DETAILS

GREASE TRAP

DATE : OCT 2021
SCALE : NONE

DETAIL NO. SS-6



150 PSI TEST PRESSURE
2000 PSF SOIL BEARING

BLOCKING DIMENSIONS						
DEAD END & TEES	X*	A	B	C	D	
	12"	1'-0"	3'-0"	5'-6"	3'-6"	
	10"	1'-0"	2'-6"	4'-9"	3'-0"	
	8"	0'-10"	2'-0"	4'-0"	2'-6"	
	6"	0'-8"	1'-6"	2'-9"	1'-9"	
BENDS	90°	12"	1'-0"	4'-0"	6'-9"	4'-3"
		10"	1'-0"	3'-0"	5'-9"	3'-6"
		8"	0'-10"	2'-6"	4'-9"	3'-0"
		6"	0'-8"	1'-6"	3'-6"	2'-9"
	45°	12"	1'-0"	2'-3"	5'-3"	3'-3"
		10"	1'-0"	2'-3"	4'-6"	2'-9"
		8"	0'-10"	1'-6"	3'-6"	2'-3"
		6"	0'-8"	1'-3"	2'-6"	1'-6"
	22 1/2°	12"	1'-0"	1'-6"	3'-6"	2'-3"
		10"	1'-0"	1'-3"	3'-0"	2'-0"
		8"	0'-10"	1'-0"	2'-6"	1'-6"
		6"	0'-8"	1'-0"	1'-9"	1'-3"
	11 1/4°	12"	1'-0"	1'-6"	2'-6"	1'-6"
		10"	1'-0"	1'-0"	2'-3"	1'-3"
		8"	0'-10"	1'-0"	1'-9"	1'-0"
		6"	0'-8"	1'-0"	1'-6"	0'-6"

X* = DIAMETER OF PIPE TO BE BLOCKED



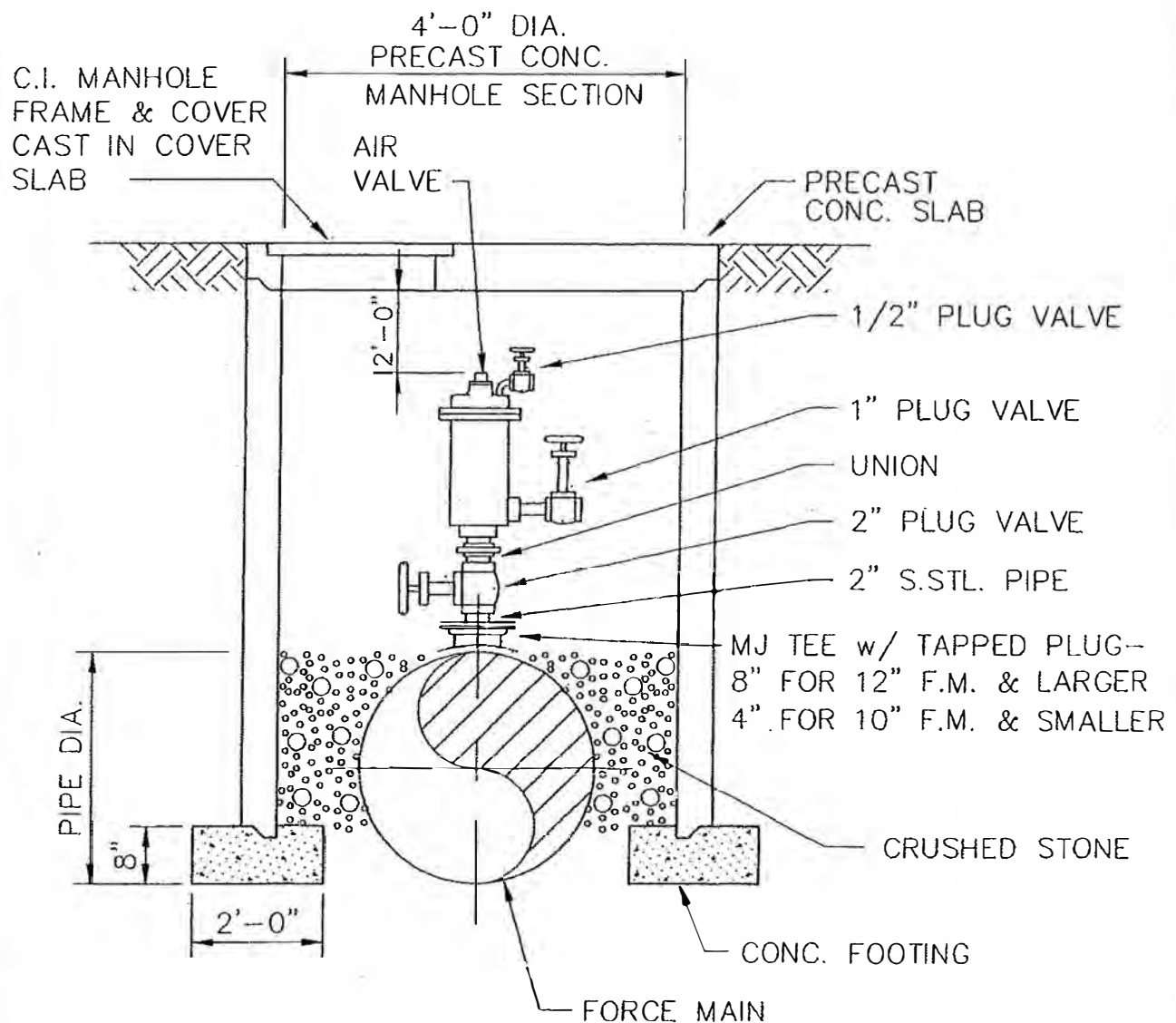
BARROW
COUNTY

STANDARD DETAILS

TYPICAL BLOCKING

DATE : OCT 2021
SCALE : NONE

DETAIL NO. SS-7



Combination Air/Vacuum Valve Assembly to be:

APCO Model 445 or

ValMatic Model 802A



BARROW
COUNTY

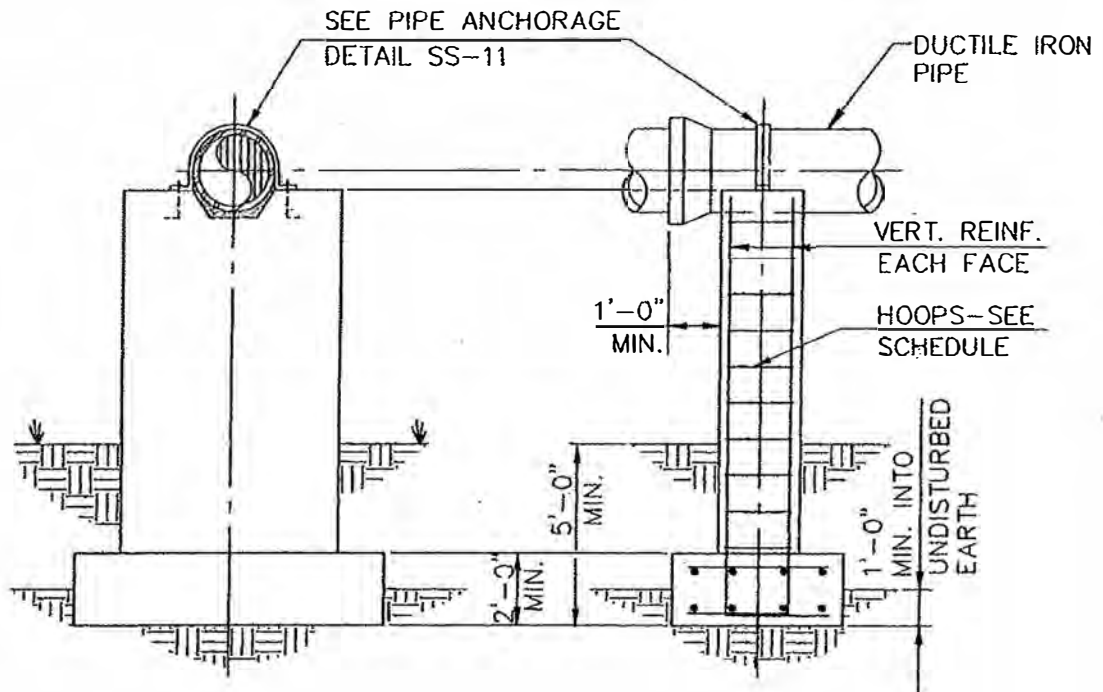
STANDARD DETAILS

AIR VALVE MANHOLE

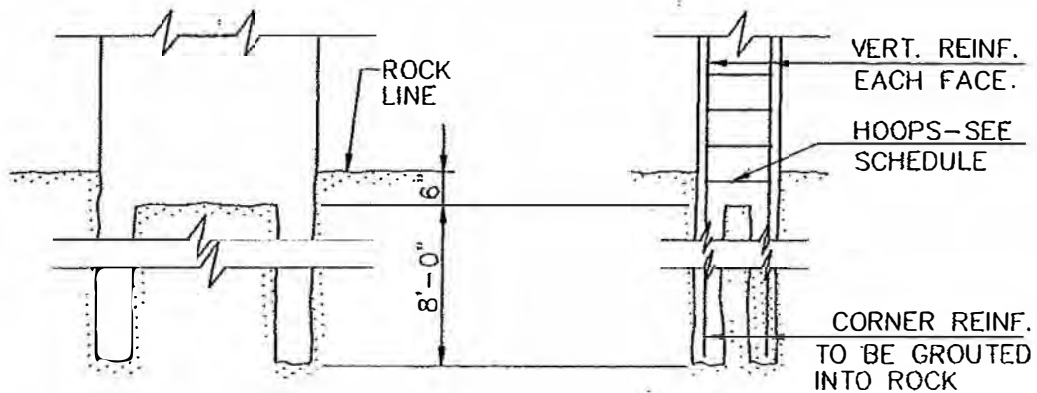
DATE : OCT 2021

SCALE : NONE

DETAIL NO. SS-8



FOOTING IN EARTH



FOUNDATION IN ROCK

NOTE: MAXIMUM PIER
SPACING IS 20'.



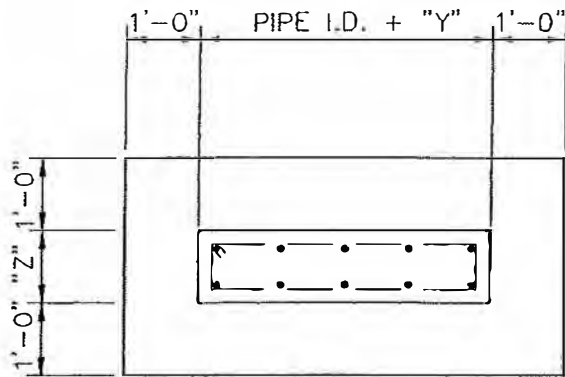
BARROW
COUNTY

STANDARD DETAILS

CONCRETE PIER

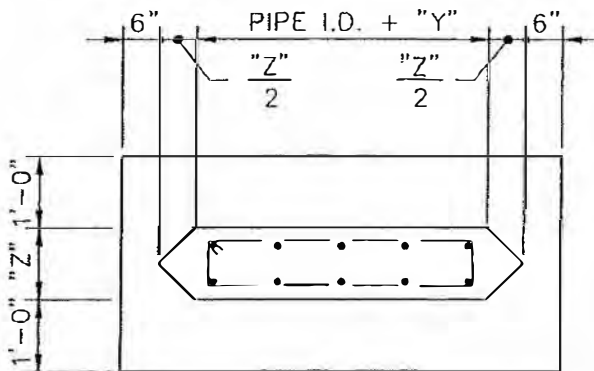
DATE : OCT 2021
SCALE : NONE

DETAIL NO. SS-9



PLAN - OVERLAND

PIPE I.D.	"Y"	"Z"	VERT. REINF. @12" O.C.	HOOPS @12" O.C.
8"-16"	24"	12"	#5	#3



PLAN - IN STREAM

NOTES:

1. FOOTING REINF. SAME AS VERT. REINF. EA. WAY TOP & BOTTOM.

2. WHEN BASE IS IN ROCK OMIT FOOTING & GROUT VERTICAL CORNER BARS 8' INTO ROCK.

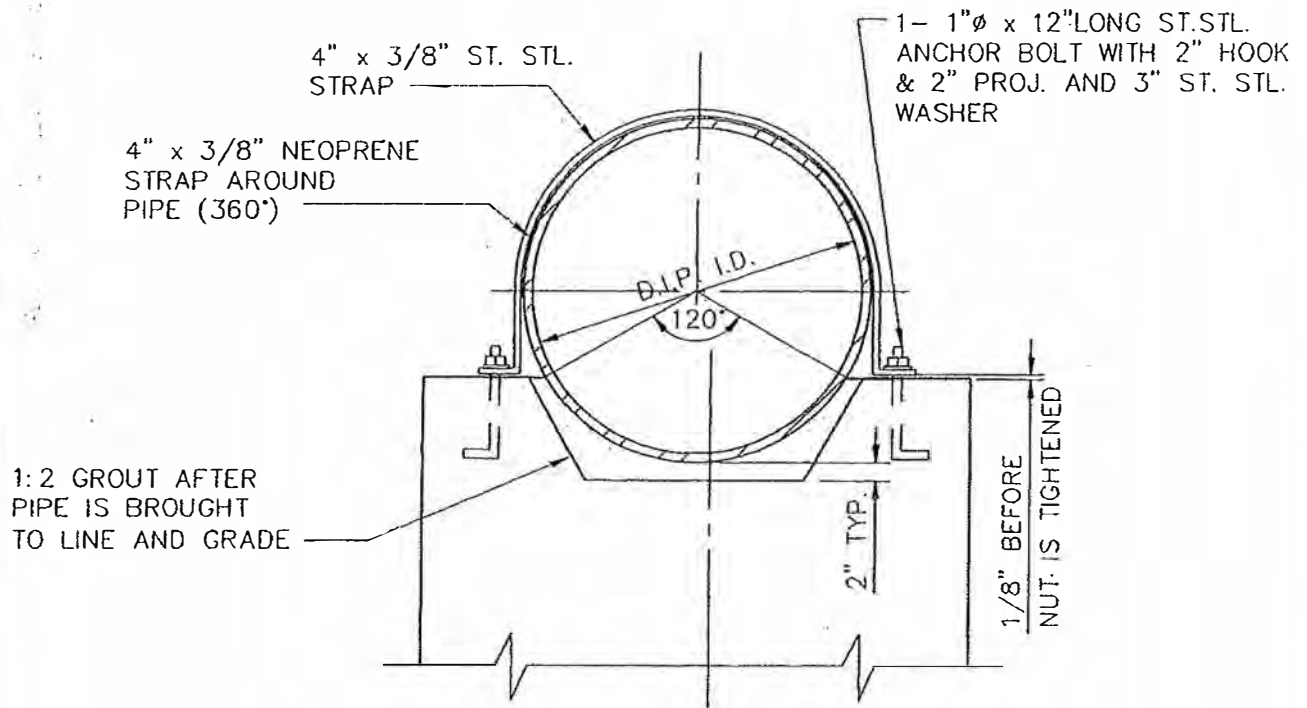


STANDARD DETAILS

CONCRETE PIER

DATE : OCT 2021
SCALE : NONE

DETAIL NO. SS-10



BARROW
COUNTY

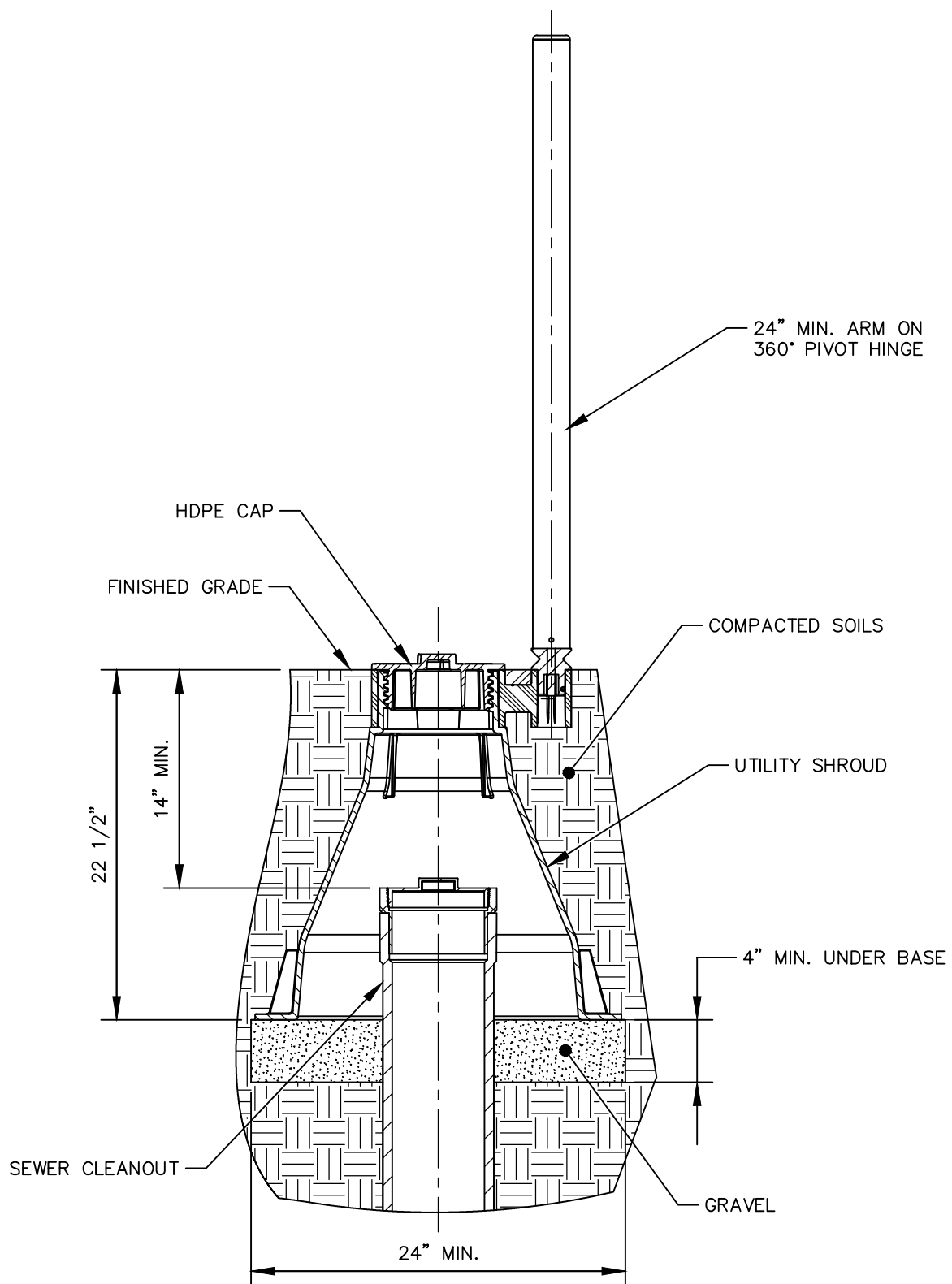
STANDARD DETAILS

PIPE ANCHORAGE

DATE : OCT 2021

SCALE : NONE

DETAIL NO. SS-11

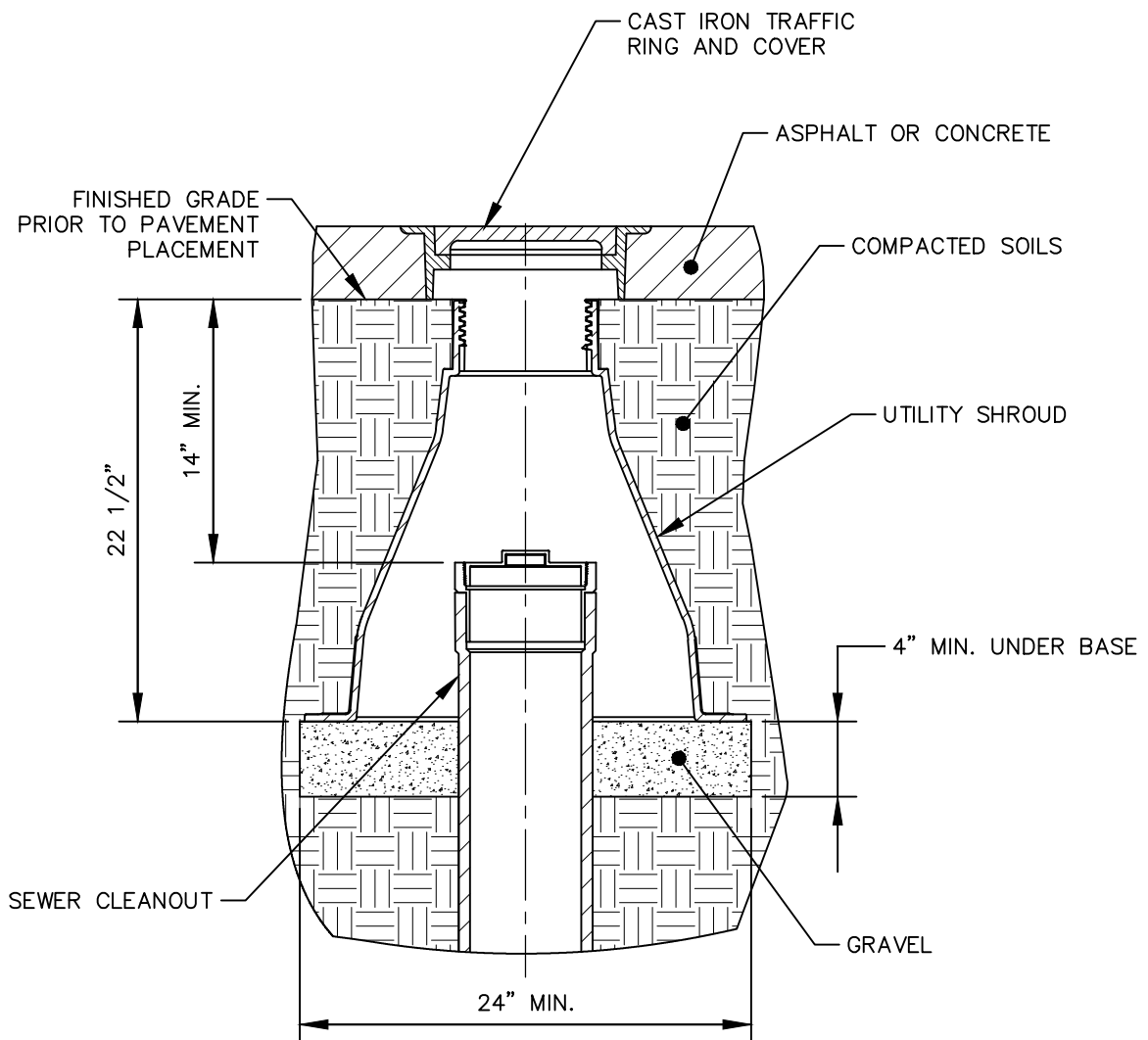


STANDARD DETAILS

UTILITY SHROUD FOR
SEWER CLEANOUT
IN UNPAVED AREAS

DATE: OCT 2021
SCALE: NONE

DETAIL NO. SS-12

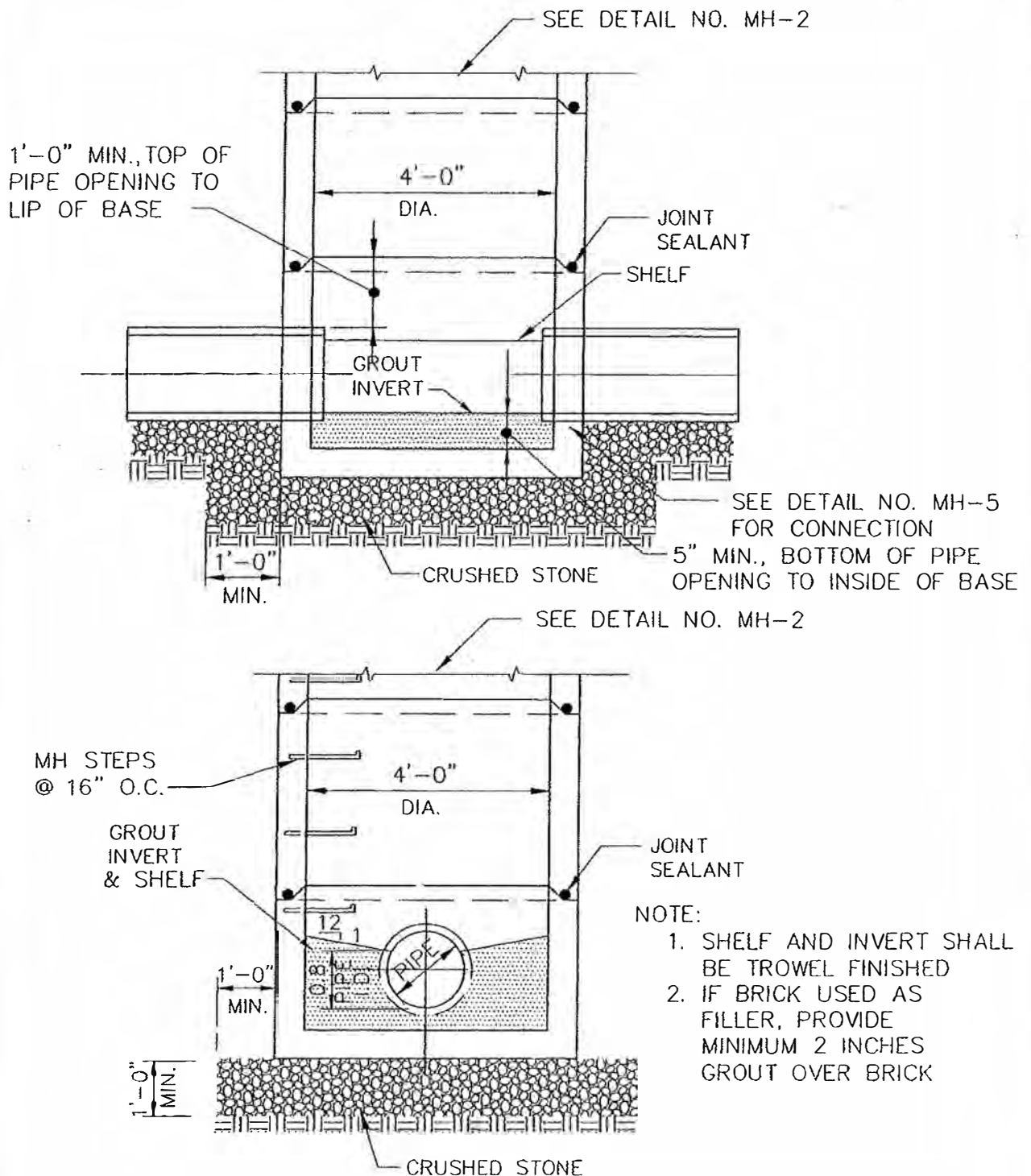


STANDARD DETAILS

UTILITY SHROUD FOR
SEWER CLEANOUT
IN PAVED AREAS

DATE: OCT 2021
SCALE: NONE

DETAIL NO. SS-13



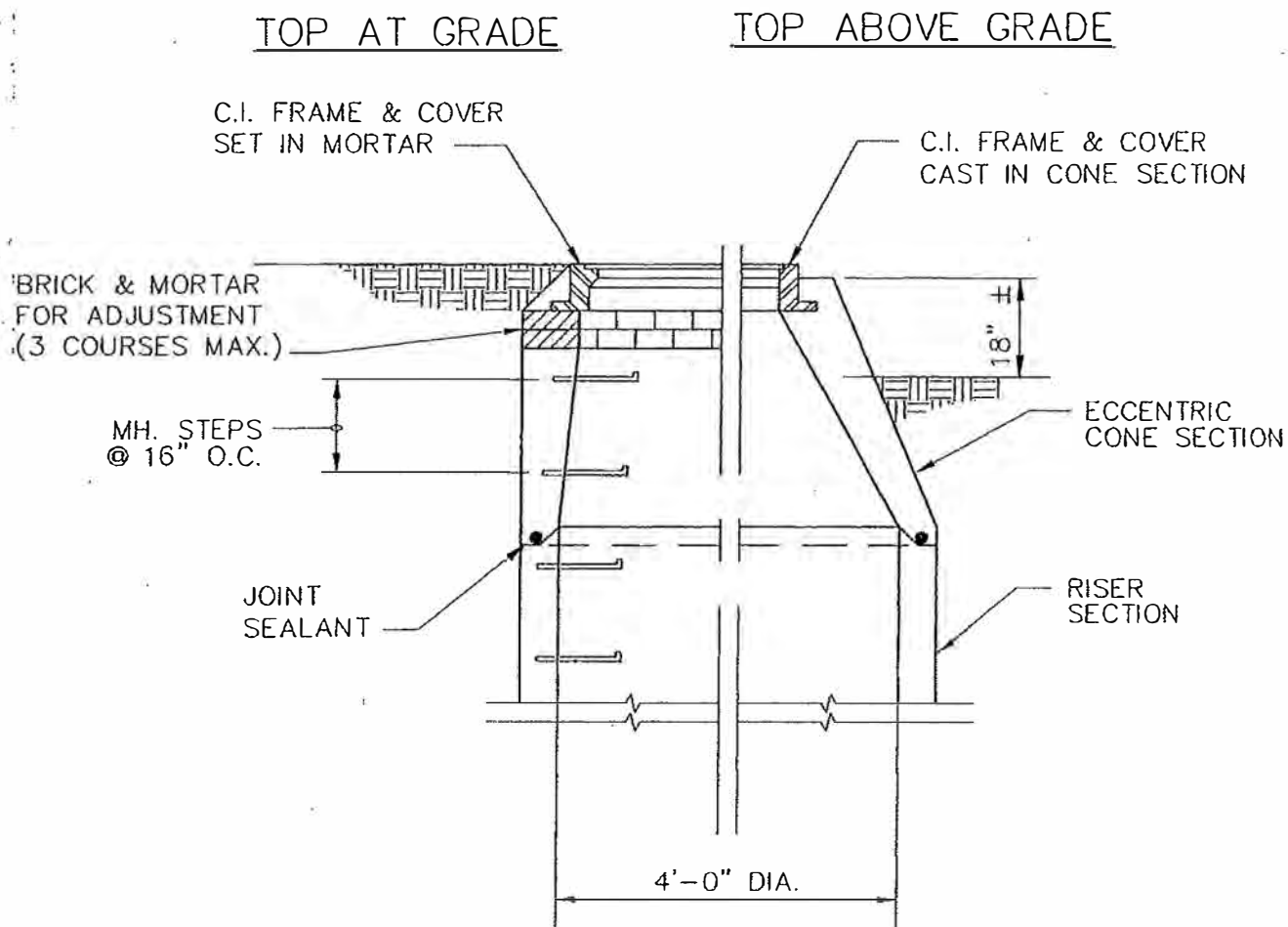
BARROW
COUNTY

STANDARD DETAILS

MANHOLE BASE

DATE : OCT 2021
SCALE : NONE

DETAIL NO. MH-1



NOTE: FRAME & COVER SHALL BE CAST IN ALL CONE SECTIONS
UNLESS FRAME & COVER IS TO BE FLUSH WITH FINAL GRADE.



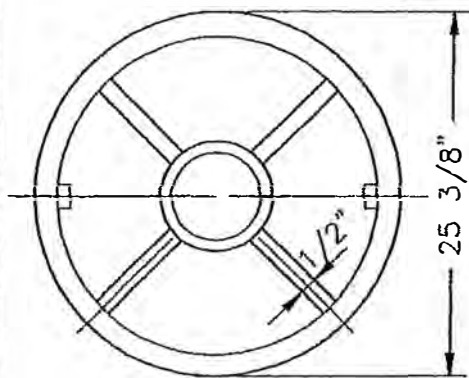
BARROW
COUNTY

STANDARD DETAILS

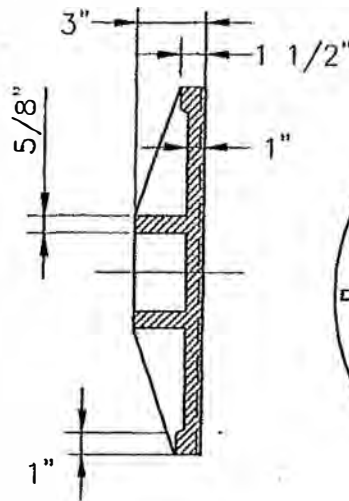
MANHOLE
RISER AND CONE

DATE : OCT 2021
SCALE : NONE

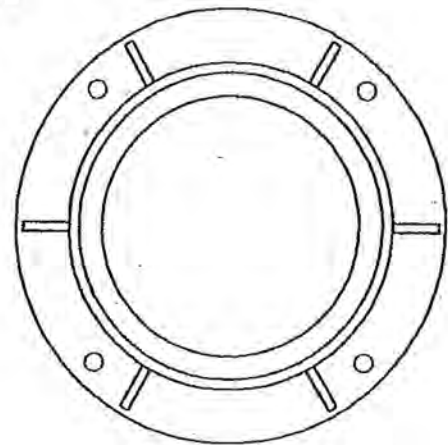
DETAIL NO. MH-2



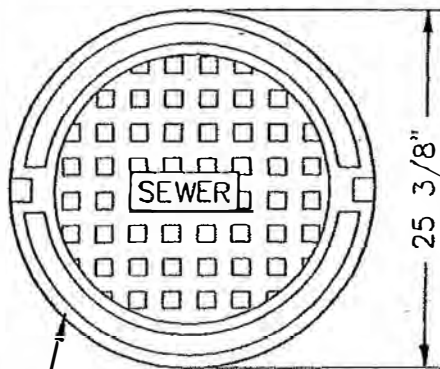
COVER BACK



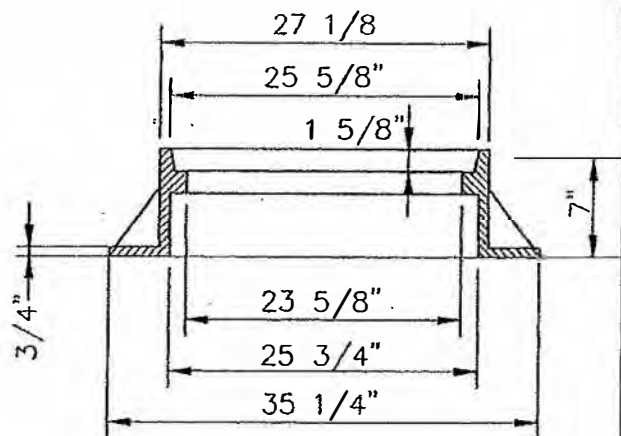
COVER SECTION



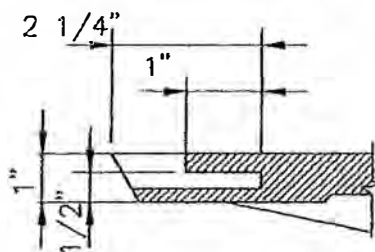
FRAME PLAN



4 EQ. SPACED
3/4" HOLES
COVER FACE



FRAME SECTION



PICKHOLE DETAIL

NOTE: PICKHOLE SHALL BE
MIN 1 1/4" WIDE,
TWO PER COVER

VULCAN MODEL V-1357 OR INTERCHANGEABLE



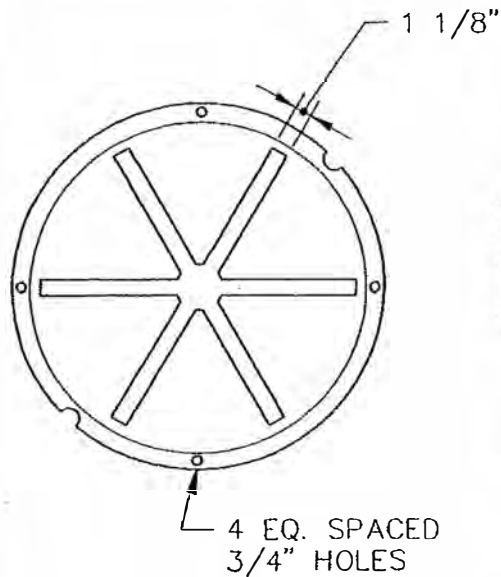
BARROW
COUNTY

STANDARD DETAILS

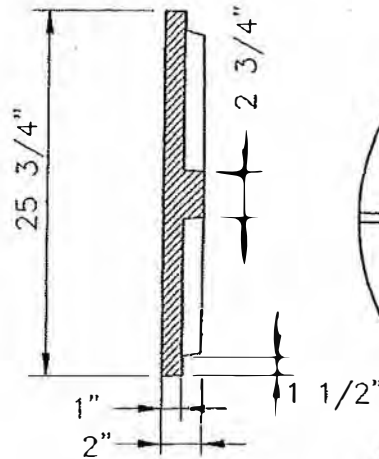
STANDARD
FRAME AND COVER

DATE : OCT 2021
SCALE : NONE

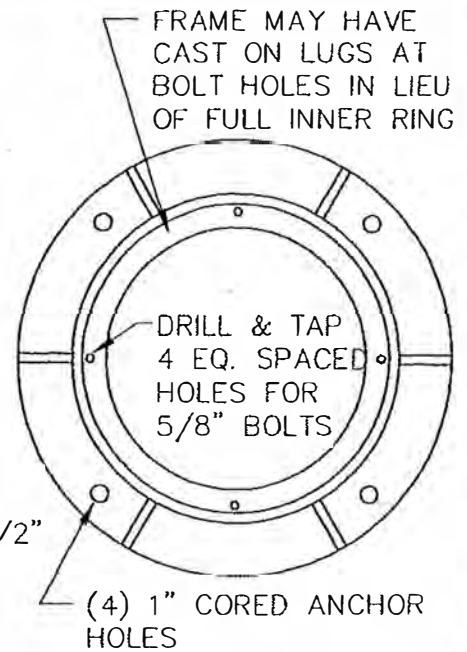
DETAIL NO. MH-3



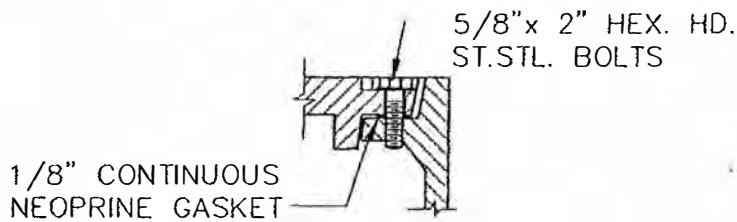
COVER BACK



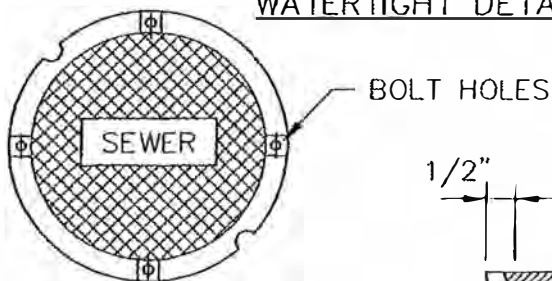
COVER SECTION



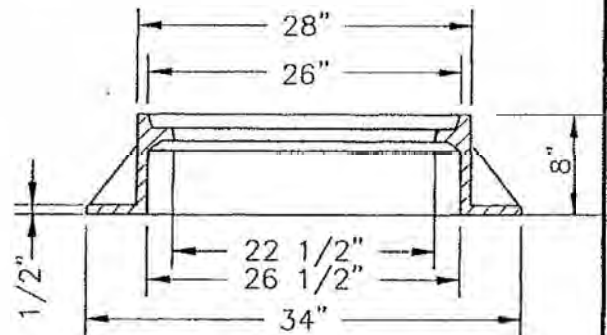
FRAME PLAN



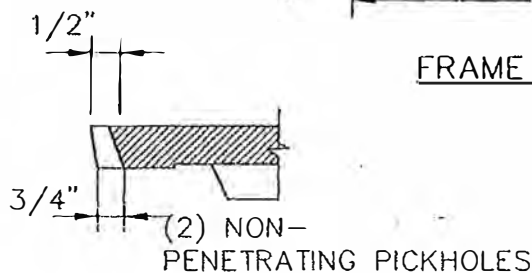
WATERTIGHT DETAIL



COVER FACE



FRAME SECTION



PICKSLOT DETAIL

APPROX. WEIGHTS
 FRAME 135 LBS.
 COVER 295 LBS.
 TOTAL 430 LBS

VULCAN MODEL V-2358 OR INTERCHANGEABLE

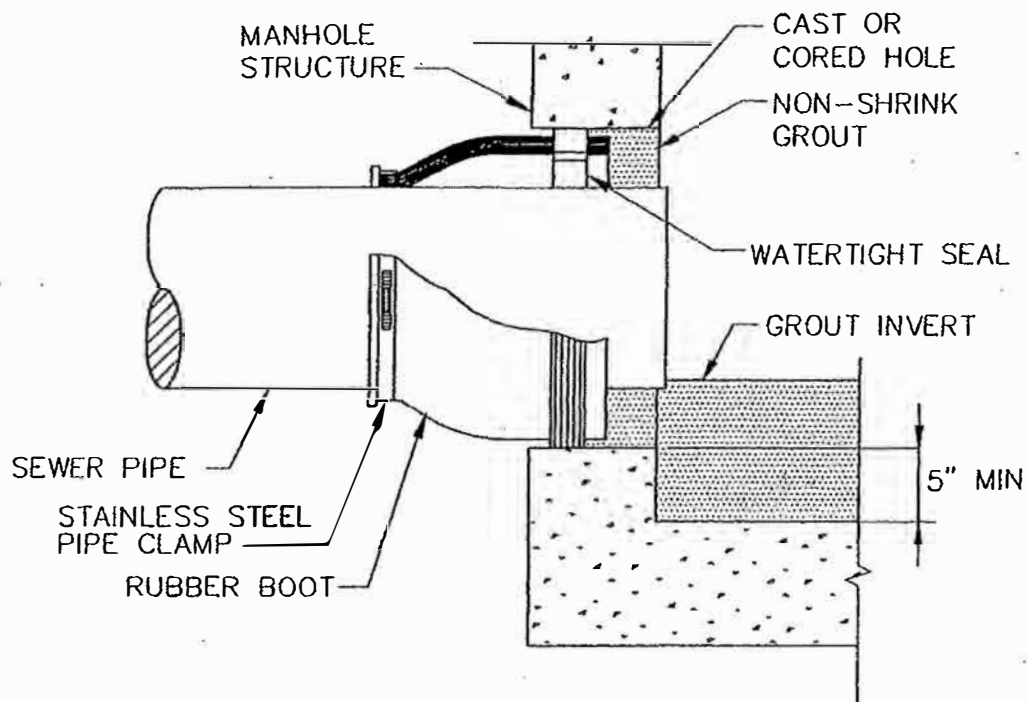


BARROW
 COUNTY

STANDARD DETAILS
 WATERTIGHT
 FRAME AND COVER

DATE : OCT 2021
 SCALE : NONE

DETAIL NO. MH-4



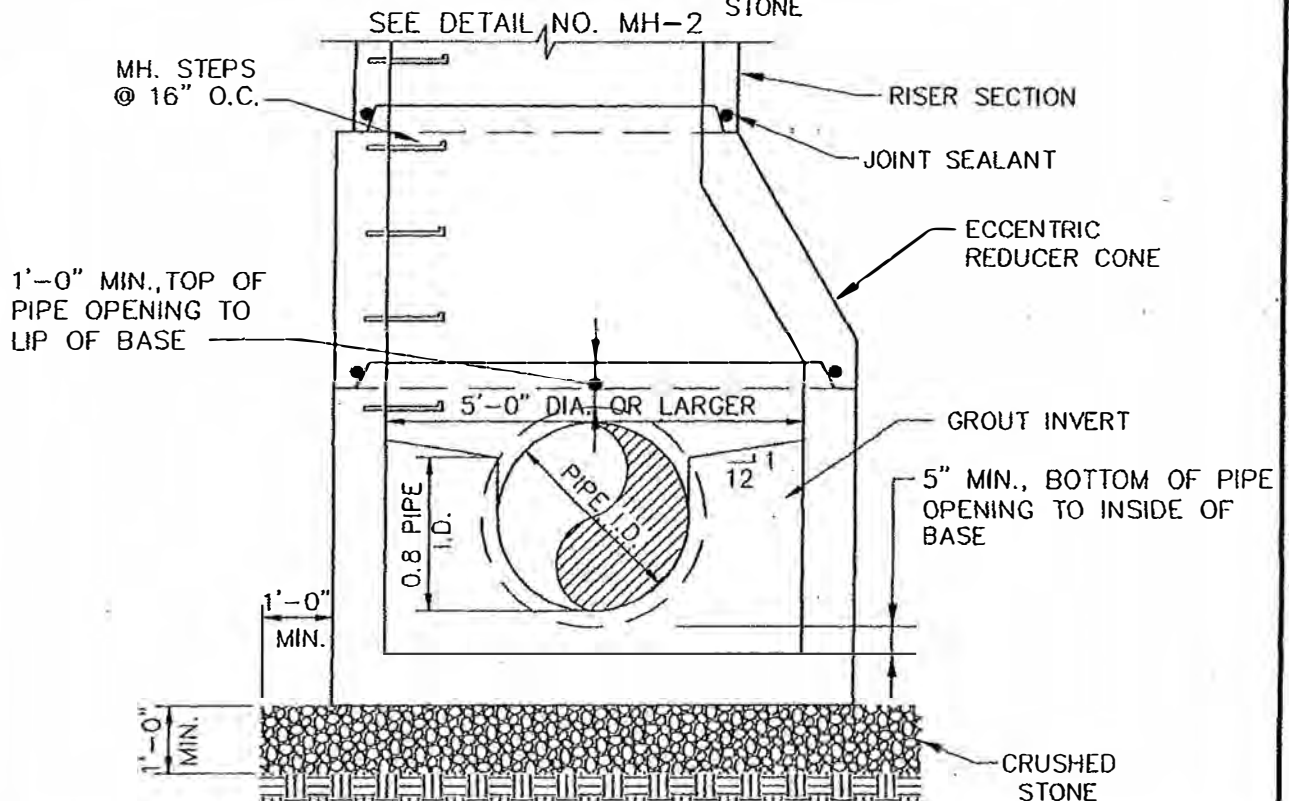
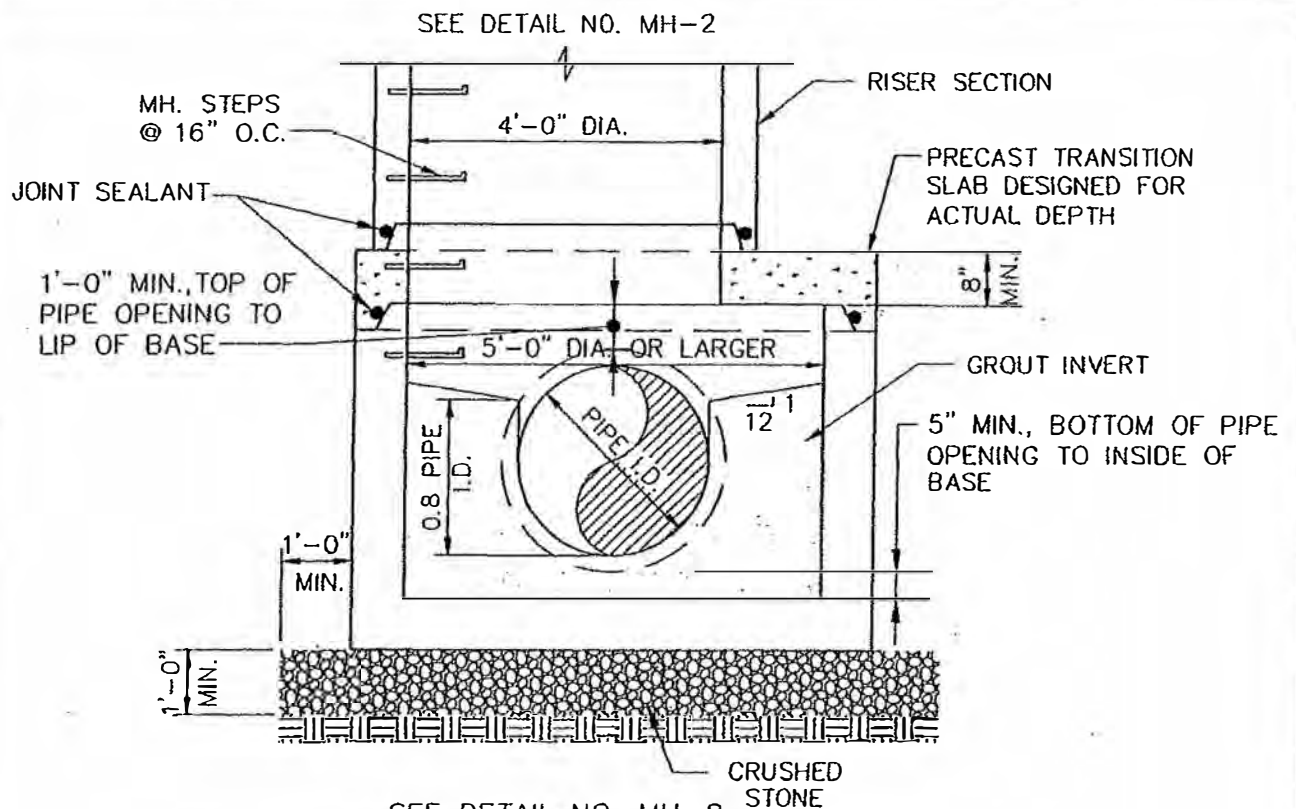
BARROW
COUNTY

STANDARD DETAILS

BOOT CONNECTION

DATE : OCT 2021
SCALE : NONE

DETAIL NO. MH-5



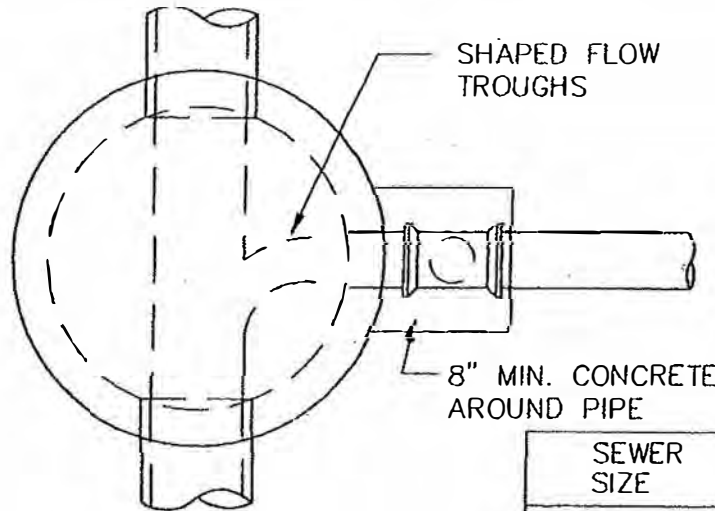
BARROW
COUNTY

STANDARD DETAILS

LARGE DIAMETER
MANHOLE BASE

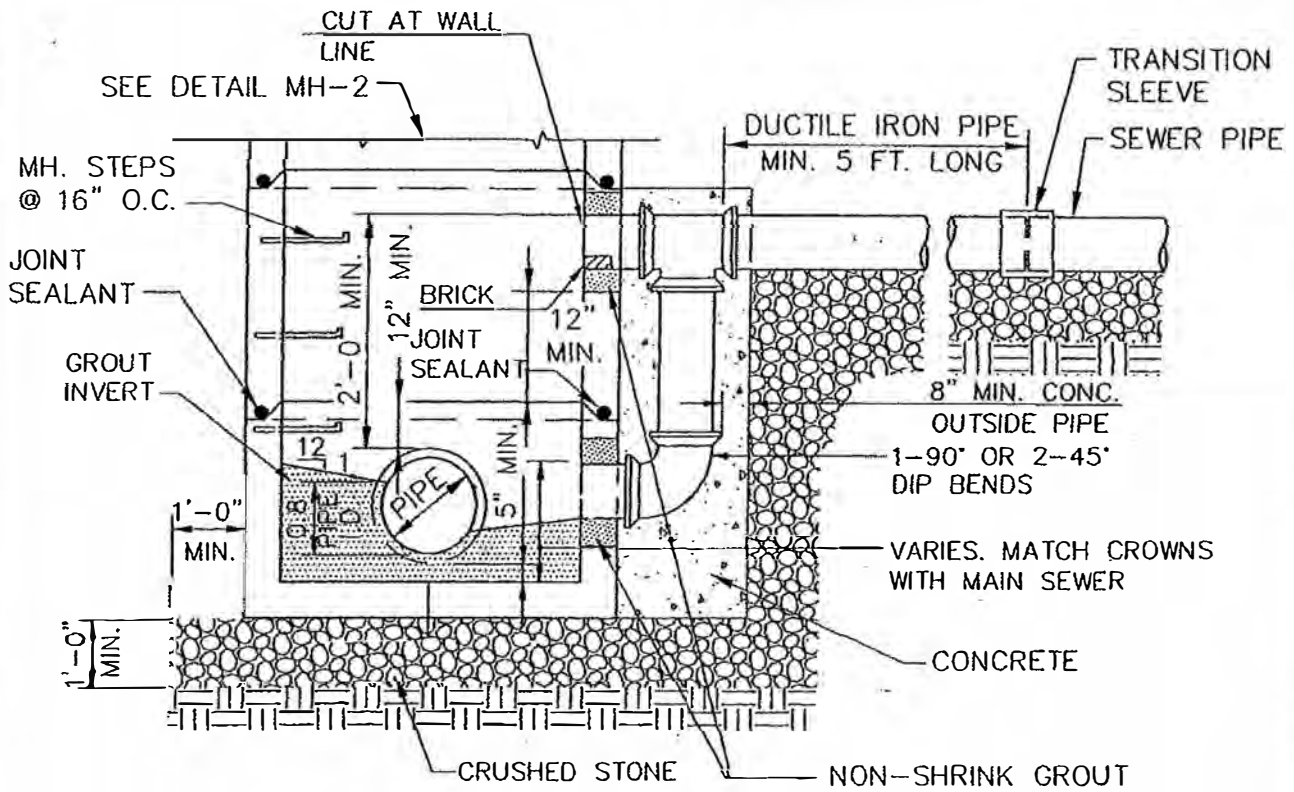
DATE : OCT 2021
SCALE : NONE

DETAIL NO. MH-6



PLAN

SEWER SIZE	DROP SIZE
SEWER SIZE < 12"	SEWER SIZE
16"-20"	12"
24"-30"	18"



SECTION

NOTE: POUR CONCRETE AGAINST UNDISTURBED EARTH OR FORM. IF FORMED, FILL VOID UNDER PIPE WITH CRUSHED STONE.



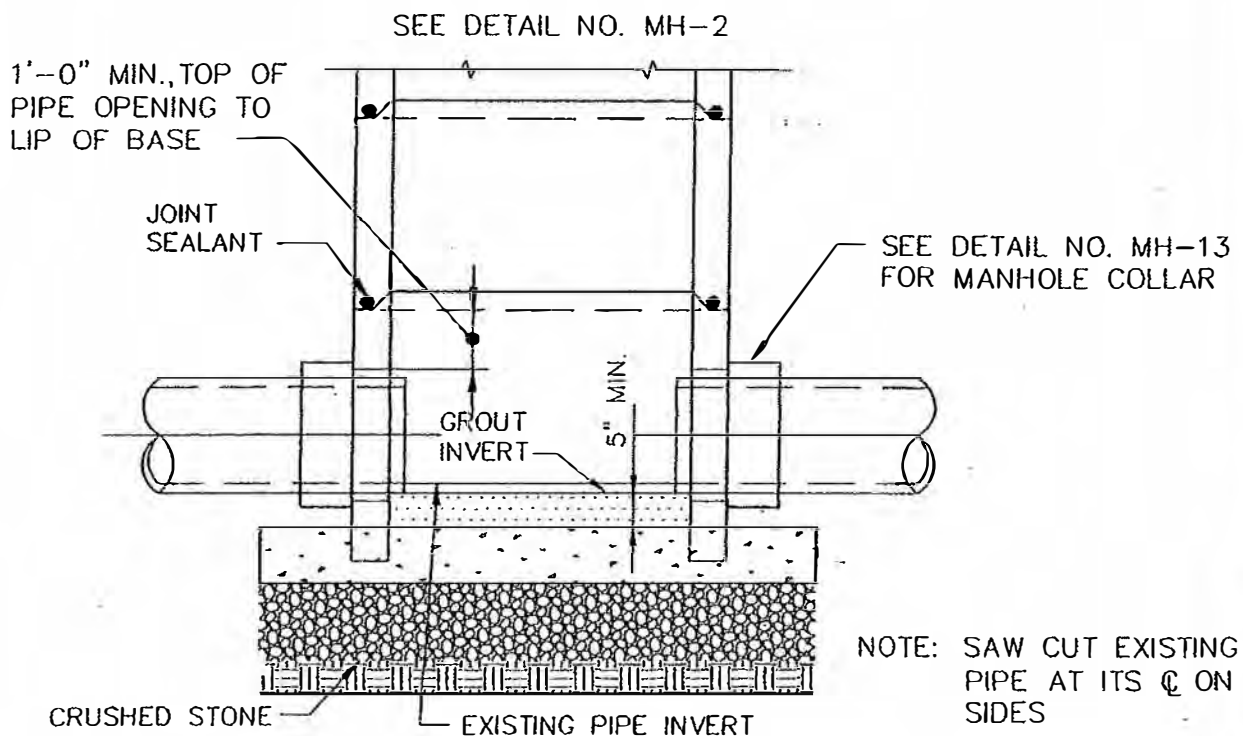
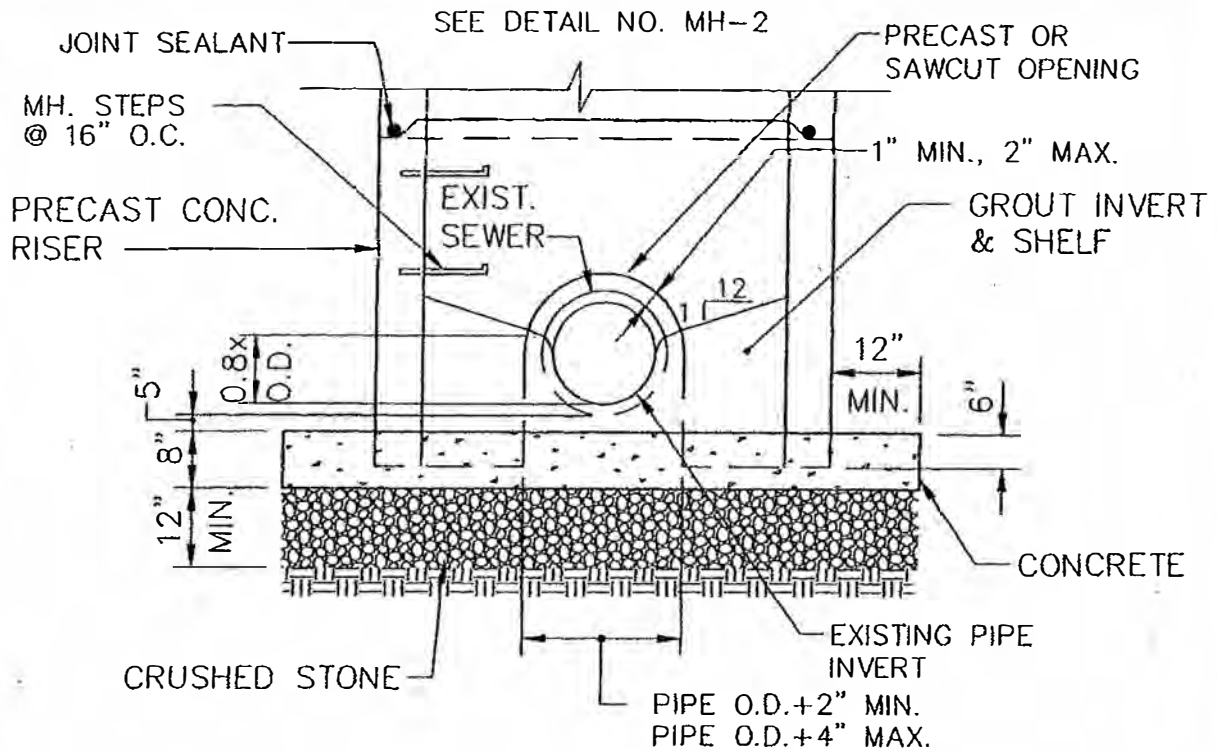
BARROW
COUNTY

STANDARD DETAILS

MANHOLE BASE WITH DROP CONNECTION

DATE : OCT 2021
SCALE : NONE

DETAIL NO. MH-7



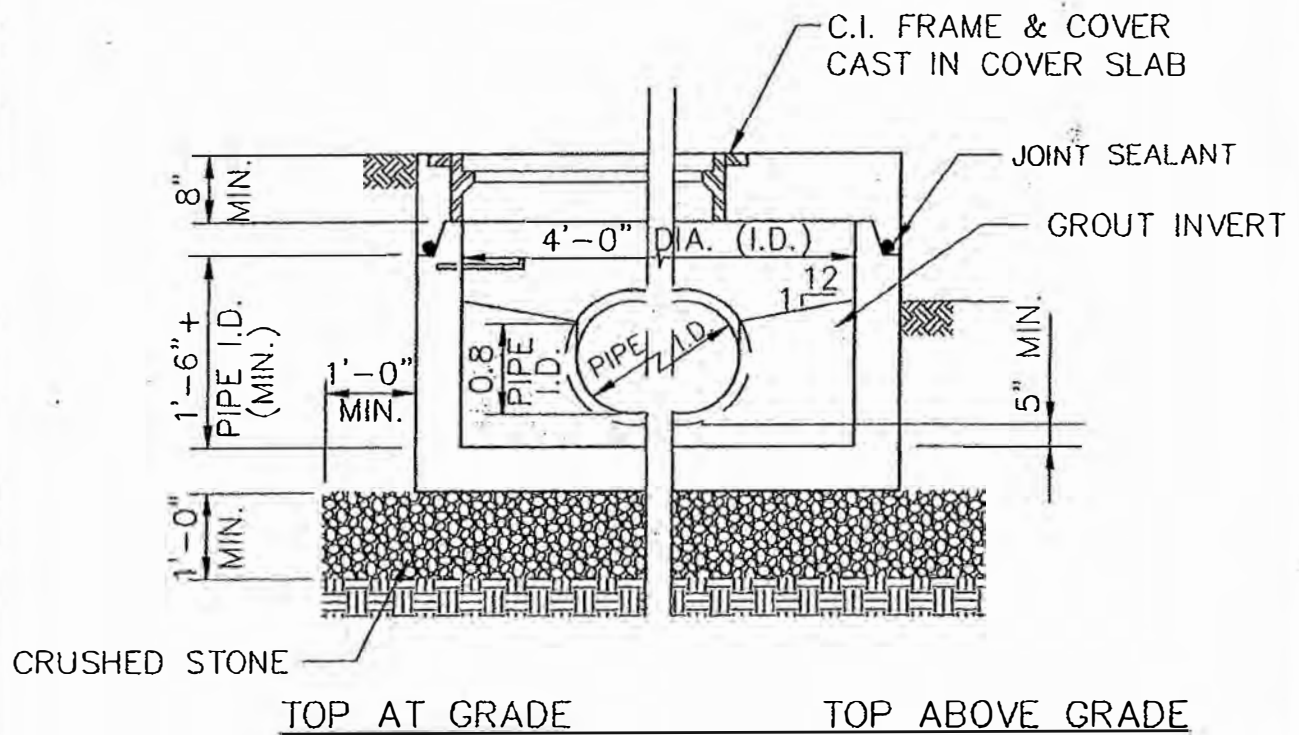
BARROW
COUNTY

STANDARD DETAILS

MANHOLE OVER
EXISTING SEWER

DATE OCT 2021
SCALE: NONE

DETAIL NO. MH-8



BARROW
COUNTY

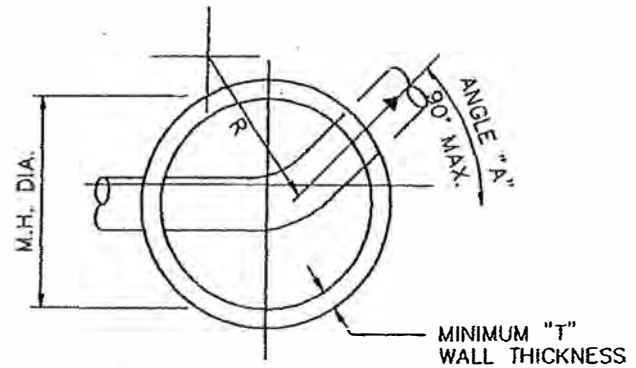
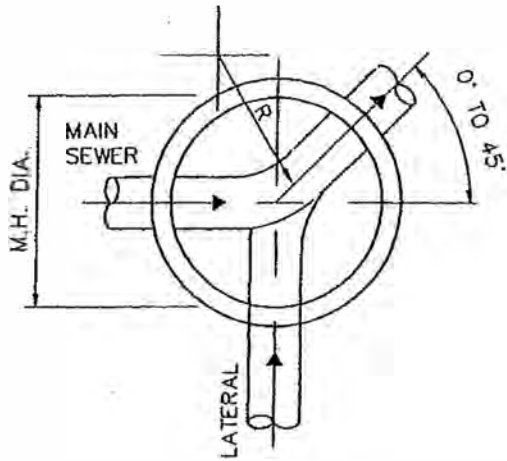
STANDARD DETAILS

SHALLOW MANHOLE

DATE : OCT2021

SCALE : NONE

DETAIL NO. MH-9



STANDARD MANHOLE SCHEDULE OF GOVERNING DIMENSIONS			
PIPE SIZE	ANGLE "A"	MH. DIA.	"T"
8" TO 15"	0° TO 90°	4'-0"	5"
18" TO 24"	0° TO 60°	4'-0"	5"
18" TO 24"	60° TO 90°	5'-0"	6"

NOTE:
 MINIMUM $\frac{1}{2}$ RADIUS (R) OF M.H. INVERT
 = 1.5 x PIPE DIAMETER



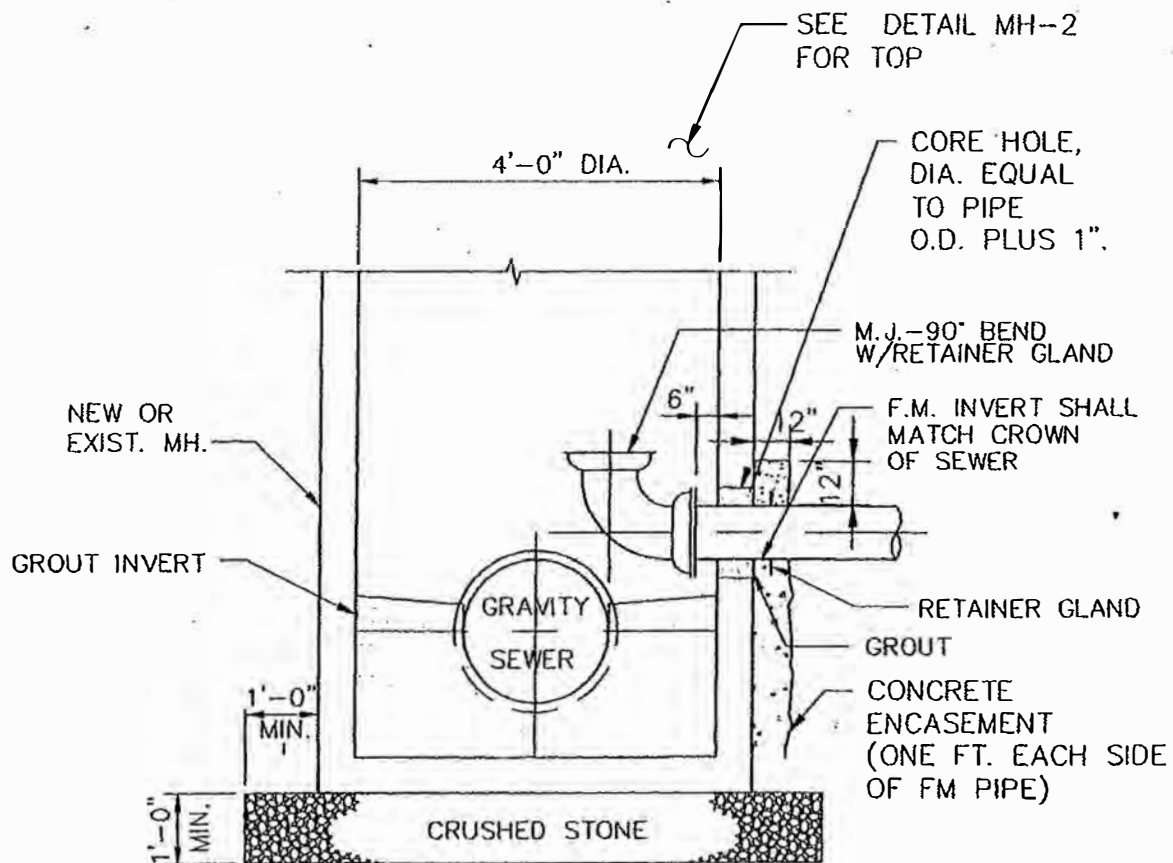
BARROW
COUNTY

STANDARD DETAILS

MANHOLE
PLAN AND DIAMETERS

DATE : OCT 2021
SCALE : NONE

DETAIL NO. MH-10



(MID-LINE CONNECTION)



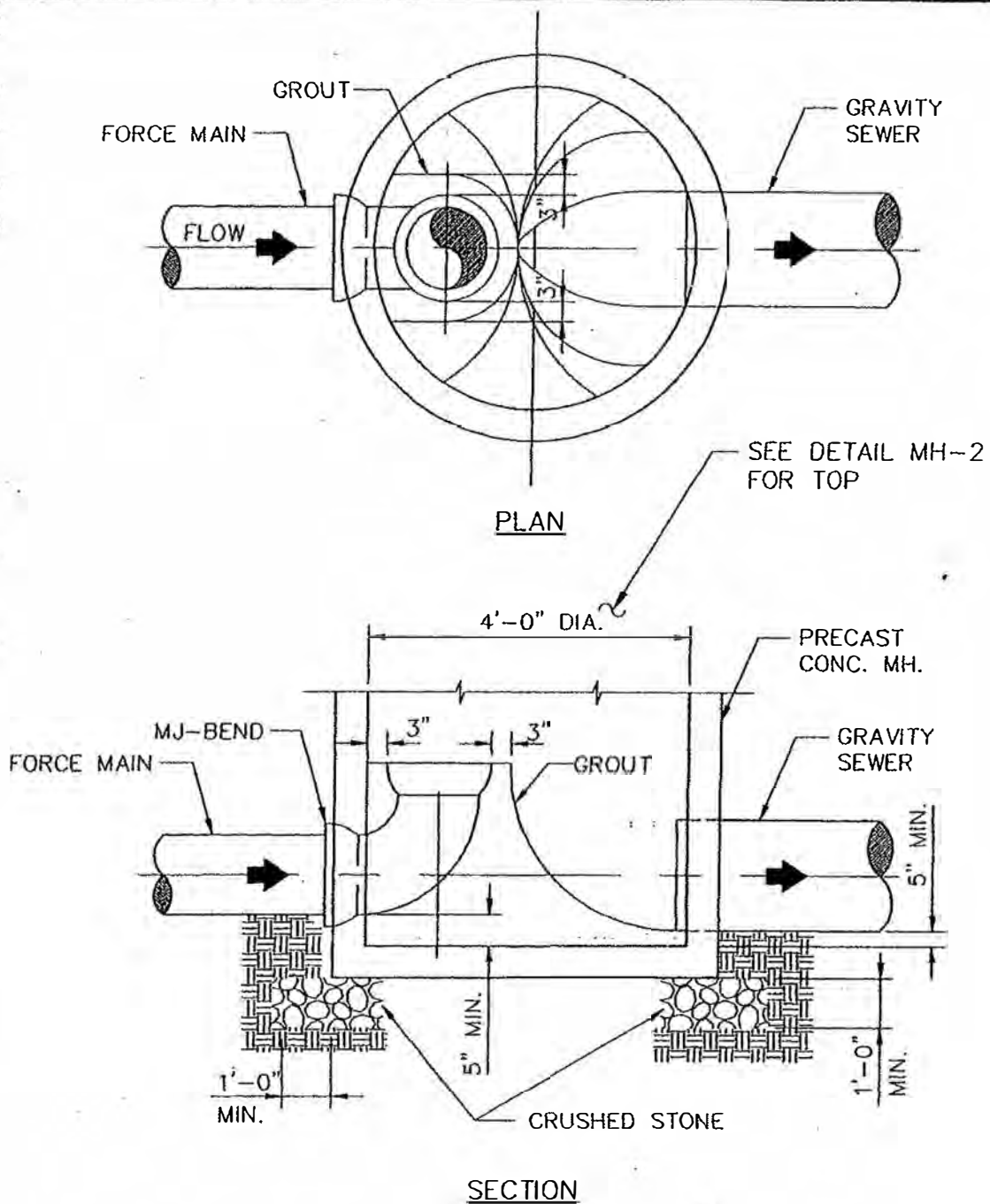
BARROW
COUNTY

STANDARD DETAILS

FORCE MAIN DISCHARGE
MANHOLE TYPE 1

DATE : OCT 2021
SCALE : NONE

DETAIL NO. MH-11



(END OF LINE CONNECTION)



BARROW
COUNTY

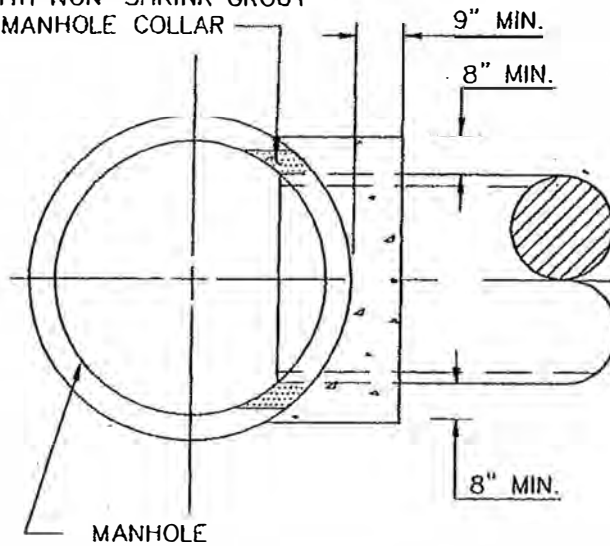
STANDARD DETAILS

FORCE MAIN DISCHARGE
MANHOLE TYPE 2

DATE : OCT 2021
SCALE : NONE

DETAIL NO. MH-12

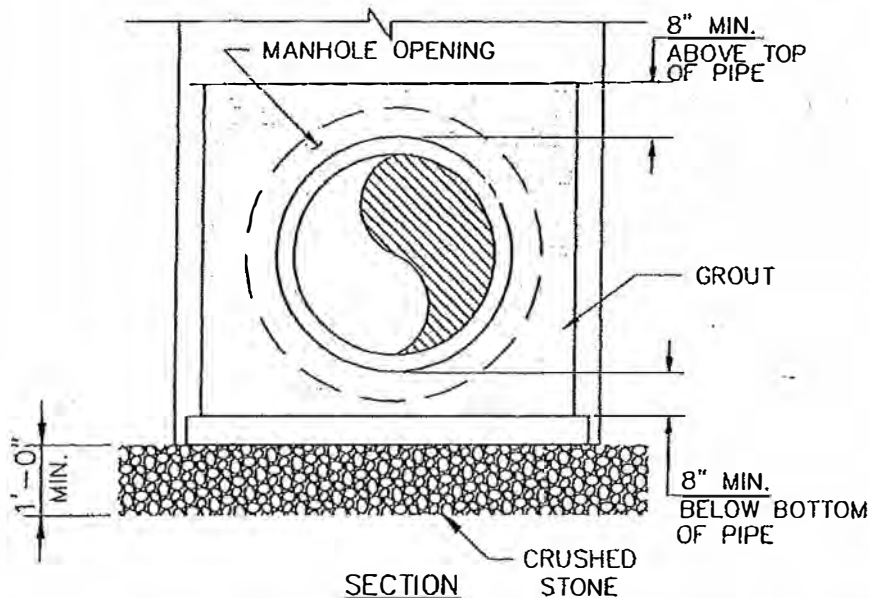
FILL VOID BETWEEN PIPE AND
MANHOLE WALL WITH NON-SHRINK GROUT
BEFORE FORMING MANHOLE COLLAR



PLAN

MANHOLE COLLARS SHALL
BE USED FOR SEWER
CONNECTIONS TO MANHOLES :

- 1.) IF EXIST. MANHOLE IS BRICK
- 2.) IF MANHOLE IS CONSTRUCTED
OVER EXIST. SEWER



SECTION



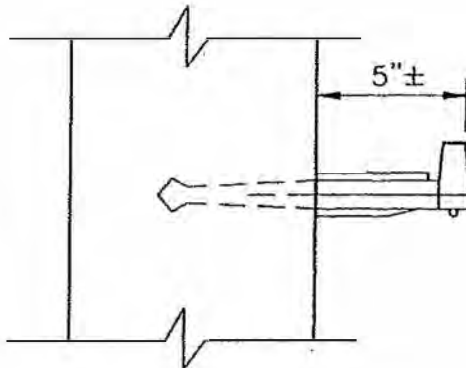
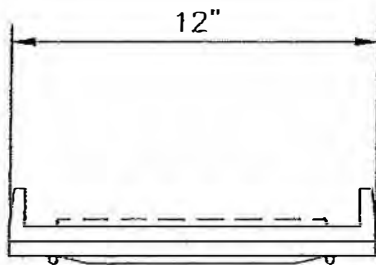
BARROW
COUNTY

STANDARD DETAILS

MANHOLE COLLAR

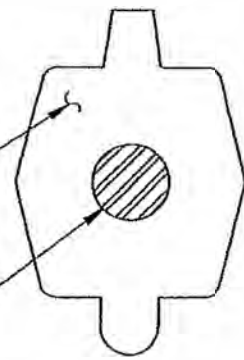
DATE : OCT 2021
SCALE : NONE

DETAIL NO. MH-13



POLYPROPYLENE
PLASTIC

1/2" Ø OR
NO. 3 DEFORMED
GRADE 60
STEEL ROD



SECTION

STEPS SHALL BE PLACED INTO WET
CONCRETE WALL DURING MANUFACTURE
OR MORTORED INTO HOLES AFTER
CONCRETE HAS SET.



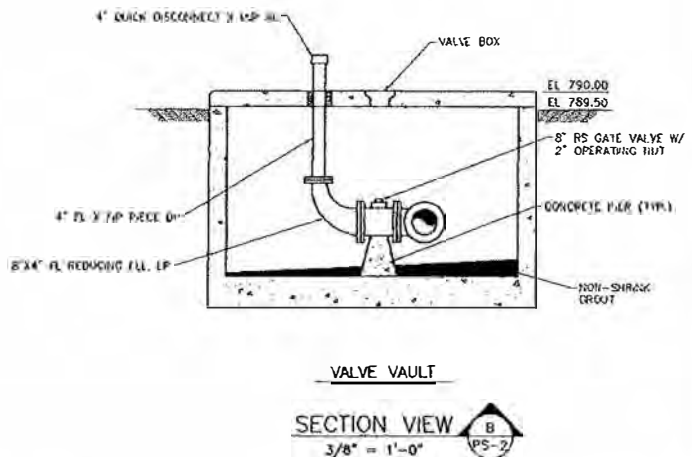
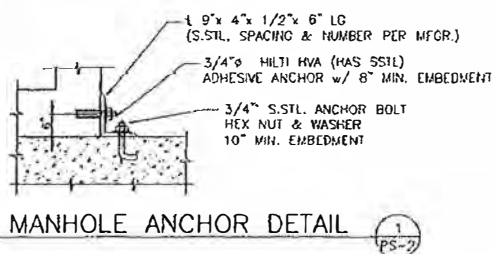
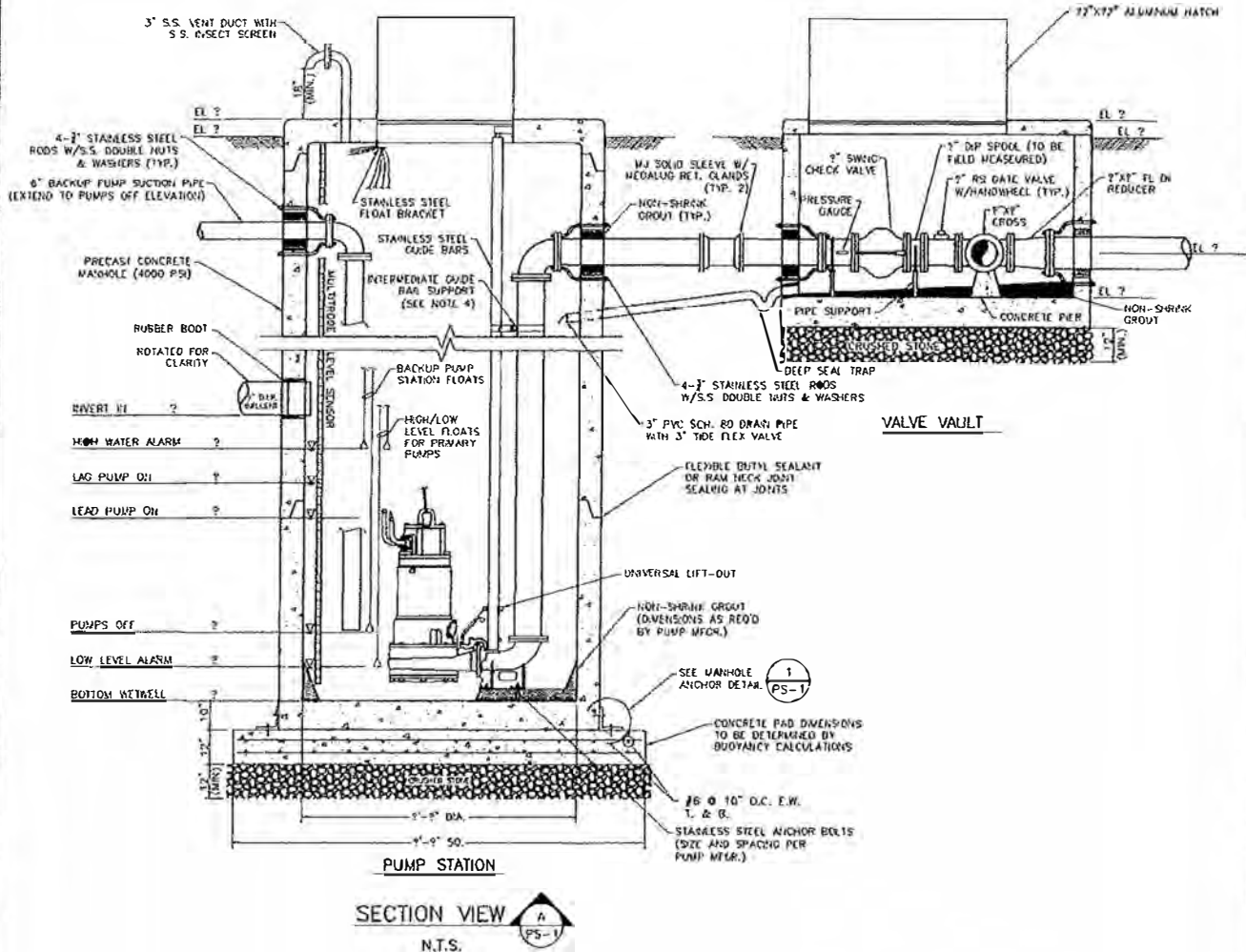
BARROW
COUNTY

STANDARD DETAILS

MANHOLE STEP

DATE : OCT 2021
SCALE : NONE

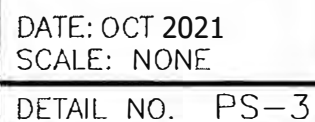
DETAIL NO. MH-14

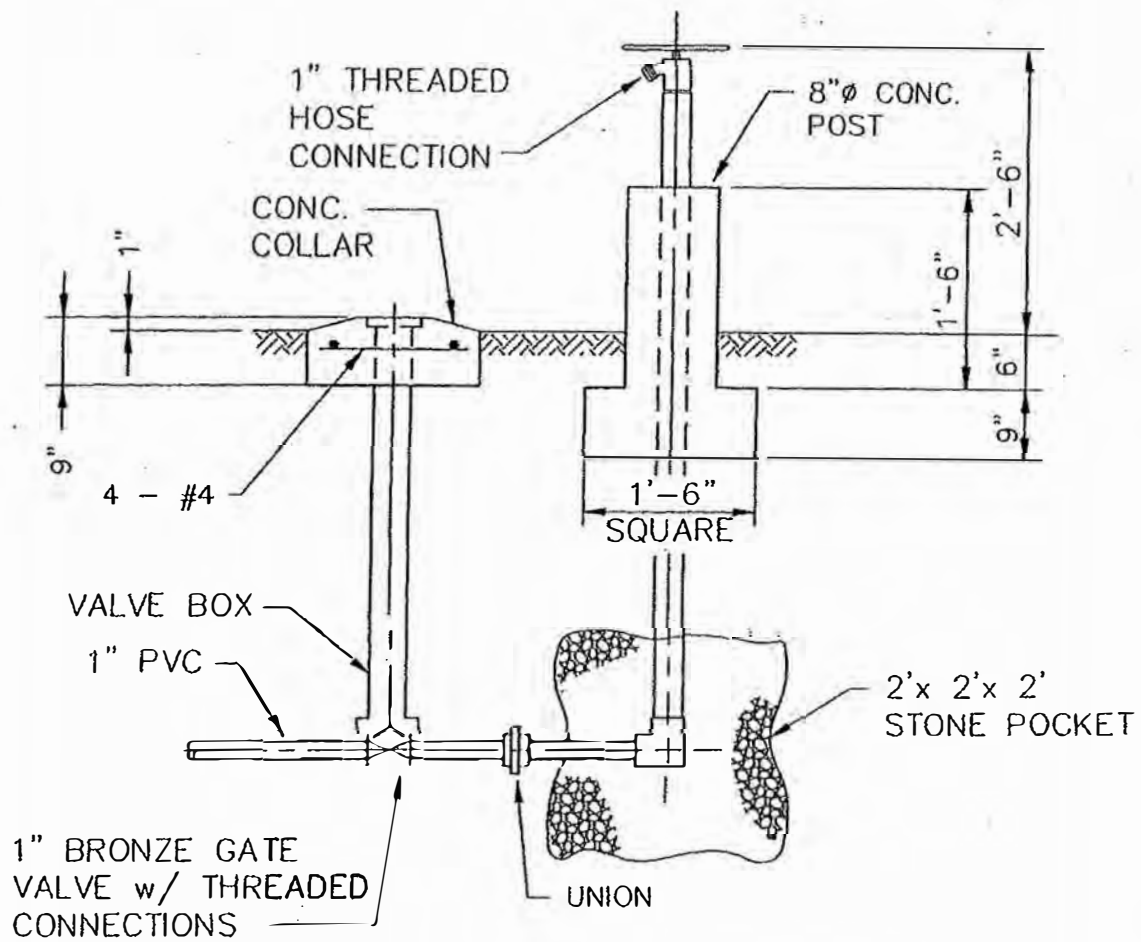


STANDARD DETAILS PUMPING STATION TYPICAL SECTION VIEW

DATE: OCT 2021
SCALE: NONE

DETAIL NO. PS-2





BARROW
COUNTY

STANDARD DETAILS

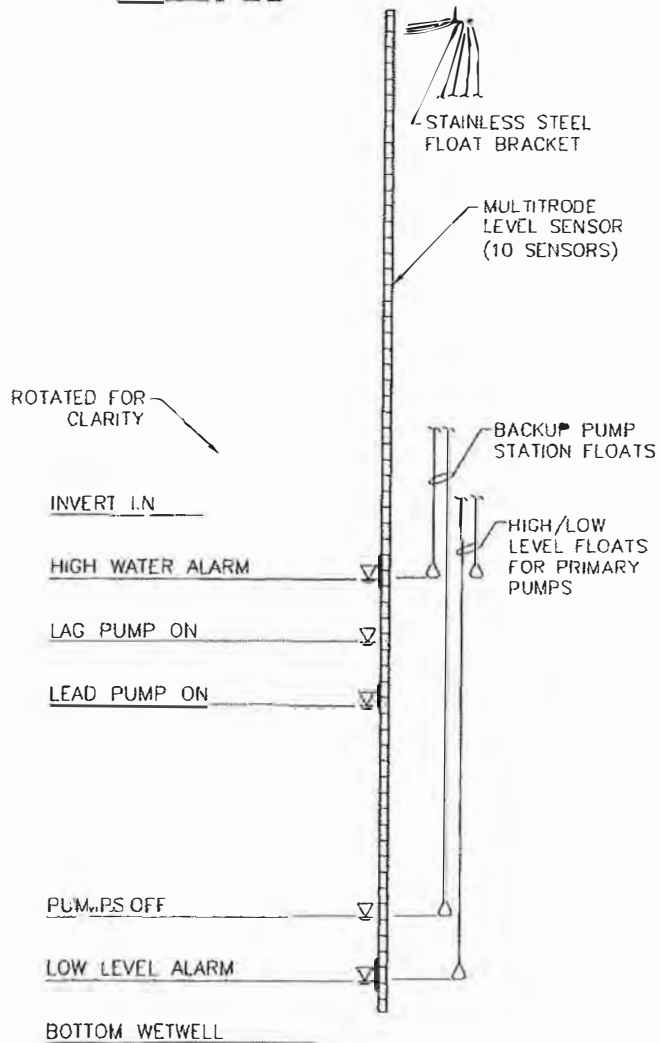
NON-FREEZE POST HYDRANT

DATE : OCT 2021
SCALE : NONE

DETAIL NO. PS-4

3" S.S. VENT DUCT WITH
S.S. INSECT SCREEN

EL ?
EL ?



PUMP STATION
N.T.S.



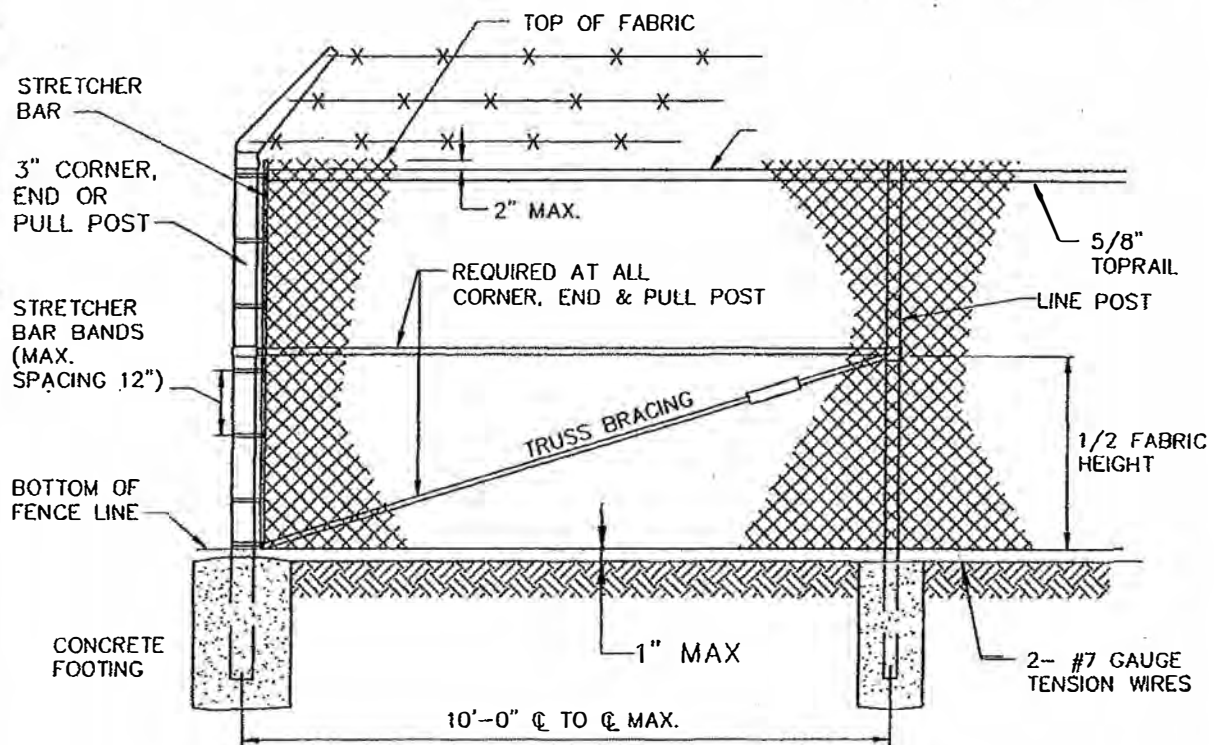
BARROW
COUNTY

STANDARD DETAILS

MULTITRODE LEVEL
SENSOR

DATE: OCT 2021
SCALE: NONE

DETAIL NO. PS-5



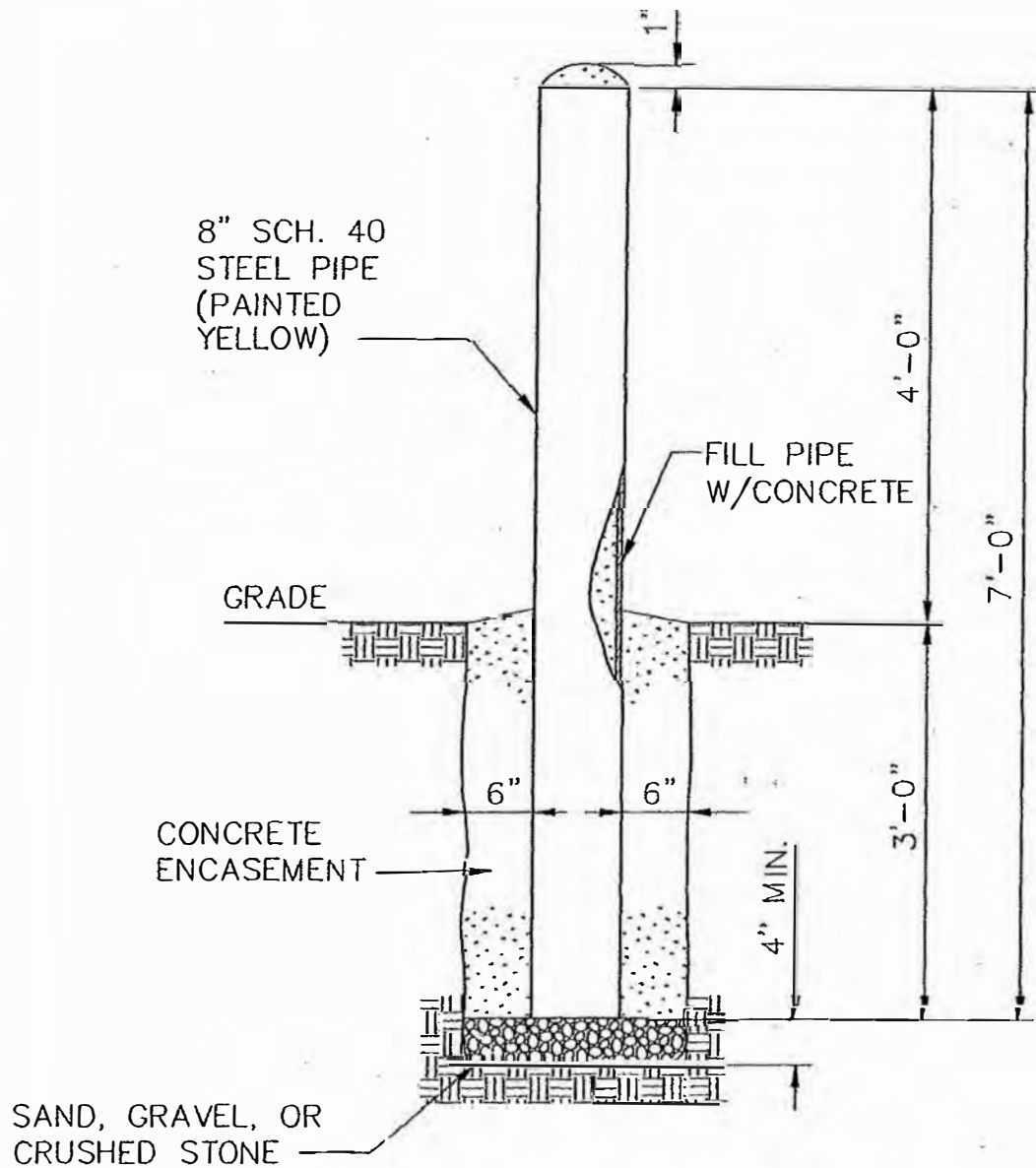
BARROW
COUNTY

STANDARD DETAILS

CHAIN LINK
FENCE ELEVATION

DATE : OCT 2021
SCALE : NONE

DETAIL NO. PS-6



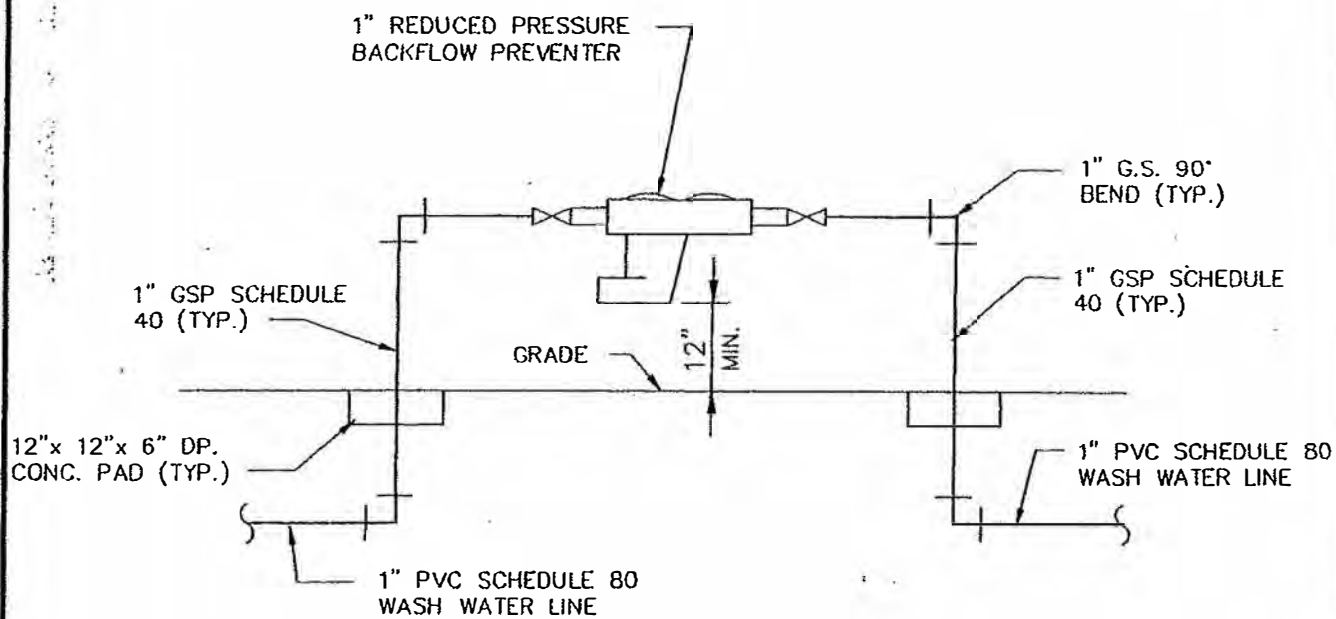
BARROW
COUNTY

STANDARD DETAILS

BOLLARD

DATE : OCT2021
SCALE : NONE

DETAIL NO. PS-7



BARROW
COUNTY

STANDARD DETAILS

BACKFLOW PREVENTER

DATE : OCT 2021

SCALE : NONE

DETAIL NO. PS-8