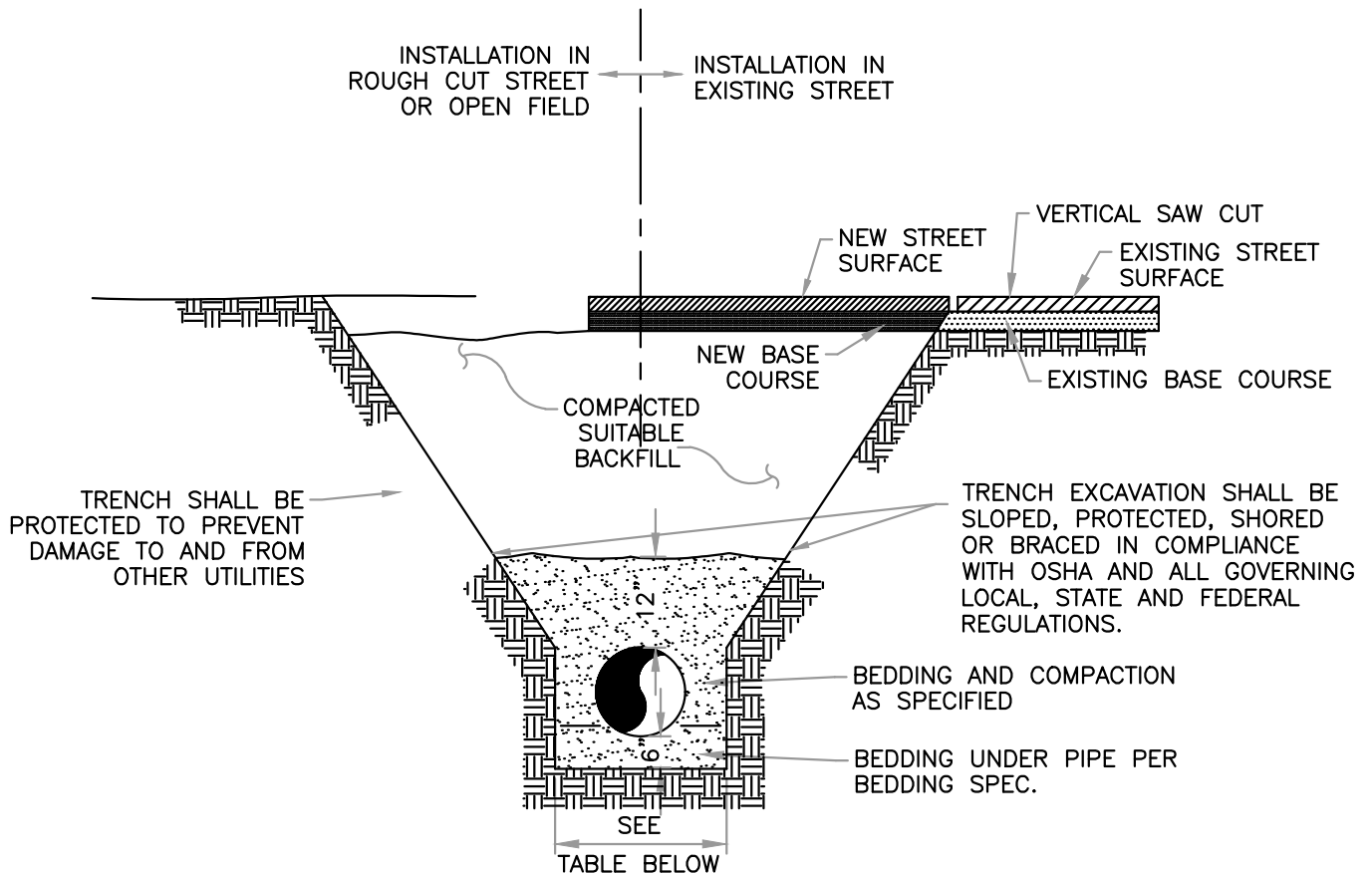


NOTES:

- 1) FOR ROCK OR OTHER INCOMPRESSIBLE MATERIALS, THE TRENCH SHALL BE OVEREXCAVATED A MINIMUM OF 6" AND REFILLED WITH GRANULAR BEDDING MATERIAL AS DEFINED BY CLASS "B" BEDDING, DEFINED IN FSD REGULATIONS AND SPECIFICATION, PART C, PAGE C-11-5 & 6.
- 2) L.F. = LOAD FACTOR
- 3) CLASS "D" BEDDING WILL NOT BE ACCEPTABLE UNDER ANY CONDITION.
- 4) MINIMUM DENSITY FOR CAREFULLY COMPACTED SELECT BACKFILL SHALL BE 95% OF STD. PROCTOR DENSITY OR AS SPECIFIED FOR THE TRENCH BACKFILL, WHICHEVER IS GREATER.
- 5) SANITARY SEWER SERVICE LINES ARE REQUIRED TO HAVE CLASS B BACKFILL WITHIN CITY RIGHT-OF-WAY.

PIPE BEDDING

DWG-01



BOTTOM OF TRENCH WIDTH		
PIPE DIAMETER	MINIMUM WIDTH	MAXIMUM WIDTH
4"	1'-5"	3'-9"
6"	1'-7"	3'-11"
8"	1'-9"	4'-1"
12"	2'-1"	4'-5"
15"	2'-6"	4'-9"
18"	2'-10"	5'-2"
24"	3'-2"	5'-6"

ALL PIPE EMBEDMENT SHALL BE IMPORTED CLASS B BEDDING UNLESS OTHERWISE DIRECTED.

AN OVER EXCAVATED TRENCH SHALL BE REFILLED AND THOROUGHLY COMPACTED UNDER THE DIRECTION OF THE FOUNTAIN SANITATION DISTRICT.

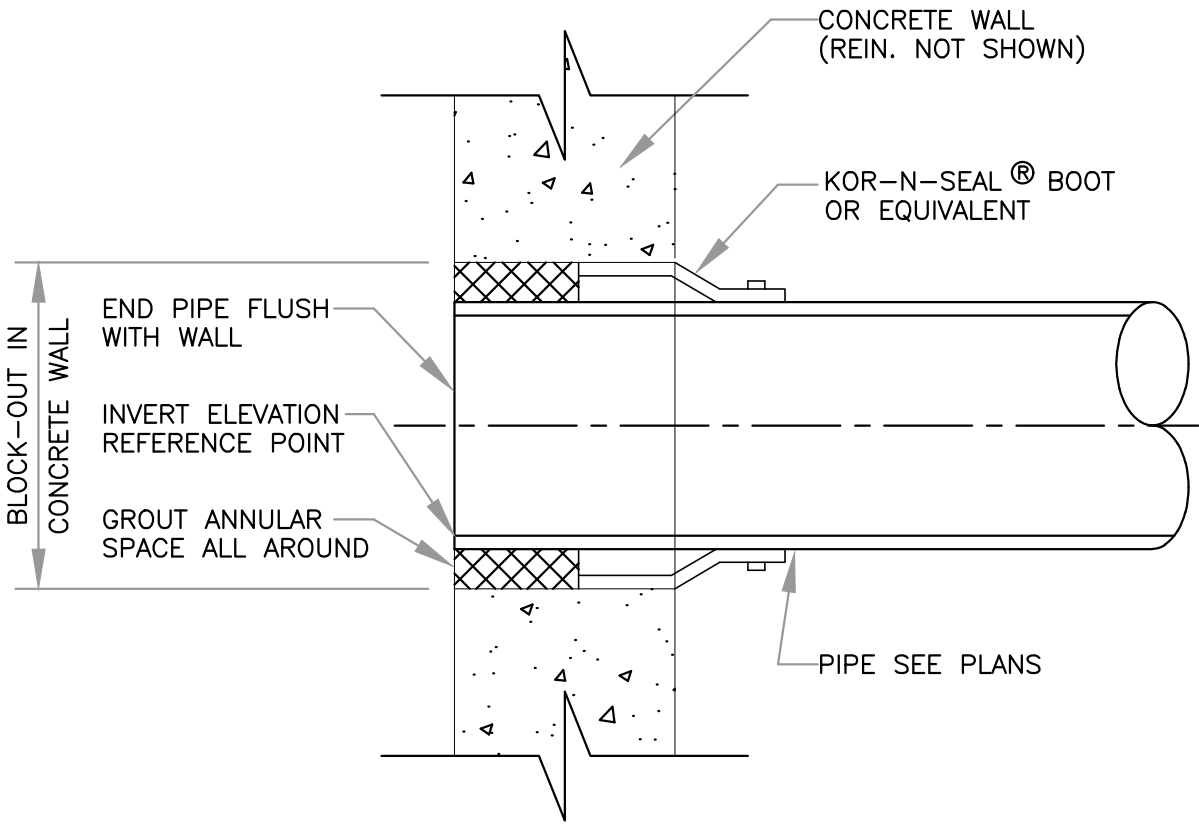
UNDER NO CIRCUMSTANCES WILL PIPE BE LAID IN A PROPOSED FILL AREA PRIOR TO IT BEING COMPLETELY FILLED. THE FILL WILL BE PLACED FIRST TO PROPOSED GRADE AND COMPACTED AS REQUIRED. A TRENCH THEN WILL BE EXCAVATED AND THE PIPE INSTALLED IN THE USUAL MANNER.

TYPICAL TRENCH CROSS SECTION

DWG-02



DRAWN: MAM	REVISED: 3-2003: BEDDING DEPTH
DATE: MARCH 2000	REVISED:
SCALE: NONE	REVISED:



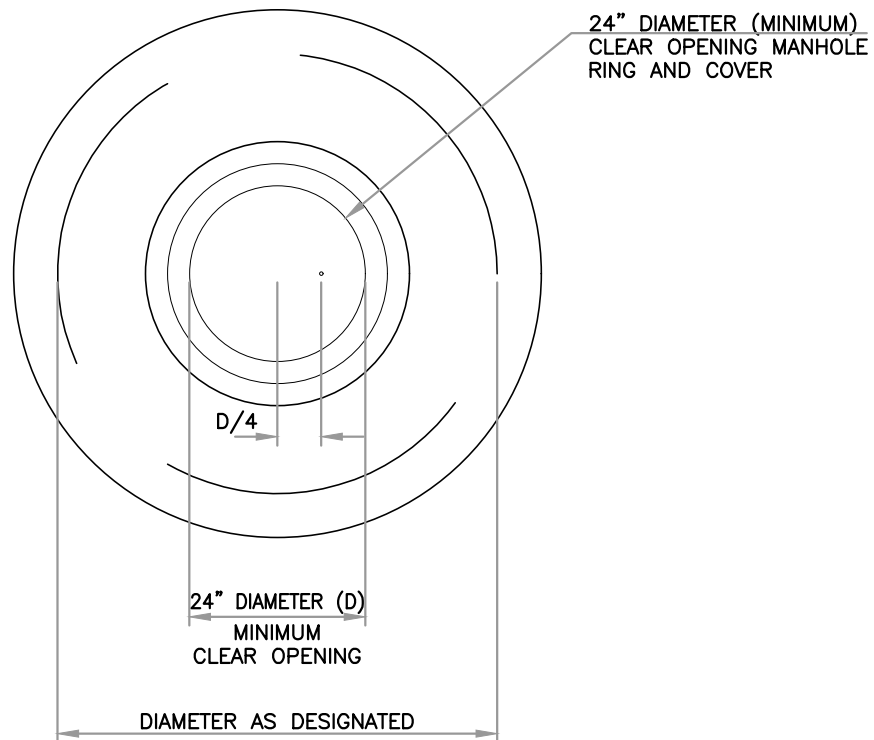
KOR-N-SEAL BOOT DETAIL

DWG-3A



DRAWN: GSM
DATE: MARCH 2003
SCALE: NONE

REVISED:
REVISED:
REVISED:



1. CAST IRON (C.I.) FOR TRAFFIC BEARING CONDITIONS
2. C.I. OR CAST ALUMINUM FOR NON-TRAFFIC CONDITIONS
3. RING AND COVER MUST BE LOCKING TYPE AND BOLTED TO CONCENTRIC CONE WHEN LOCATED IN AREAS THAT ARE NOT DEDICATED STREETS OR ALLEYS
4. PICK HOLES SHALL BE 1/2" IN DIAMETER LOCATED MIDWAY BETWEEN CENTER OF COVER AND EDGE OF COVER

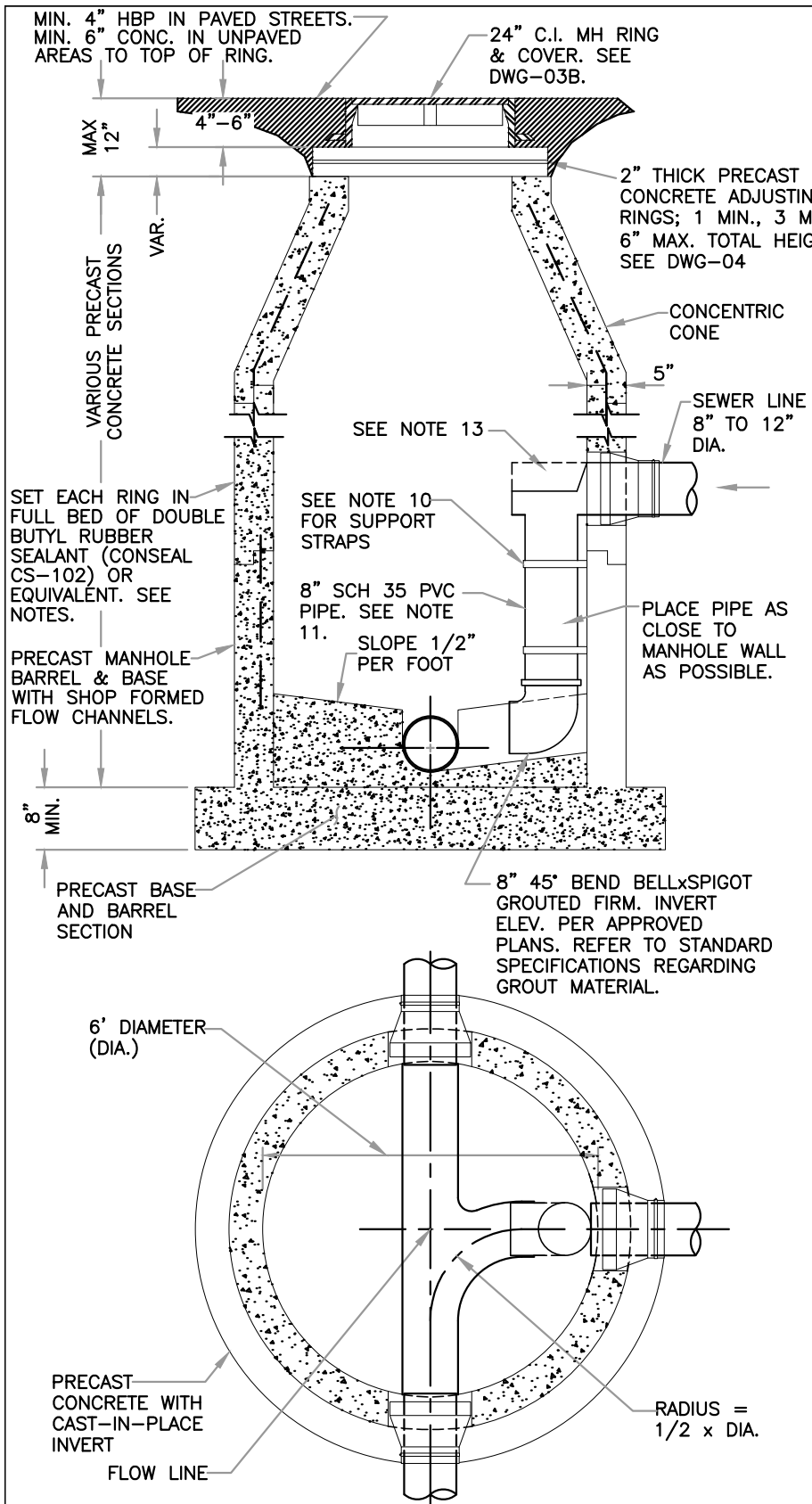
MANHOLE RING AND COVER

DWG-4



DRAWN: JCM
DATE: JAN. 2024
SCALE: NONE

REVISED:
REVISED:
REVISED:



1. MANHOLE BARREL DIAMETER SHALL BE 72" FOR ALL INTERNAL DROP MANHOLES.
2. MANHOLE FLOW CHANNELS SHALL BE CONSTRUCTED BY FORMING OR SHAPING CAST-IN-PLACE CONCRETE. PIPE SHALL NOT BE LAID THROUGH MANHOLE BASE. CHANNEL DEPTH SHALL BE NO LESS THAN DIAMETER OF THE LARGEST PIPE AT MANHOLE.
3. PRECAST CONCRETE AND REINFORCEMENT TO CONFORM TO ASTM C-478.
4. APPLY HIGH BUILD EPOXY WATERPROOFING TO ALL EXTERIOR CONCRETE SURFACES; PRIOR DESIGN AND INSPECTION APPROVAL REQUIRED. ICS DEVOE DEVTAR 5A.
5. EXTERIOR JOINT WRAPS, MIN. 12" WIDE, SHALL BE INSTALLED AT ALL JOINTS ON MANHOLE BARREL; HENRY CO. RUB'R NEK[®] JOINT WRAP OR EQUIVALENT.
6. PROVIDE PIPE TO MANHOLE CONNECTION, KOR-N-SEAL[®] OR EQUIVALENT.
7. REFER TO STANDARD SPECIFICATIONS FOR RING & COVER REQUIREMENTS. CLEAR RING OPENING SHALL BE NO LESS THAN 24".
8. MANHOLES SHALL NOT HAVE STEPS PERMANENTLY INSTALLED. BARREL PENETRATIONS WHERE STEPS HAVE BEEN REMOVED SHALL BE FILLED WITH EPOXY BASED GROUT, SIKAGROUT 212 OR EQUIVALENT. STEPS SHALL BE COMPLETELY REMOVED, NOT CUT OFF AT THE BARREL SURFACE.
9. FULL BED OF BUTYL RUBBER SEALANT SHALL BE NO LESS THAN TWO CONTINUOUS PIECES OF SEALANT, 1"x1" WITH JOINT ON EACH PIECE OFFSET FROM THE OTHER.
10. RELINER[®] SUPPLIED STAINLESS STEEL STRAPS (1/8"x1-1/2") SECURED TO STRUCTURE WALL w/ STAINLESS STEEL ADHERED FASTENERS 1/2" DIA.
11. PROJECT DESIGN SHALL ADDRESS SPECIFIC DROP PIPE SIZING AND CONNECTION.
12. FLEXIBLE COUPLING SHALL BE FERNCO SERIES 1056 WITH 5/16" BUSHING.
13. ADD A "TEE" JOINT, CUT TOP HALF OF TEE OFF TO ALLOW JETTER HOSE TO ENTER.

PRECAST CONCRETE DROP MANHOLE

DWG-05



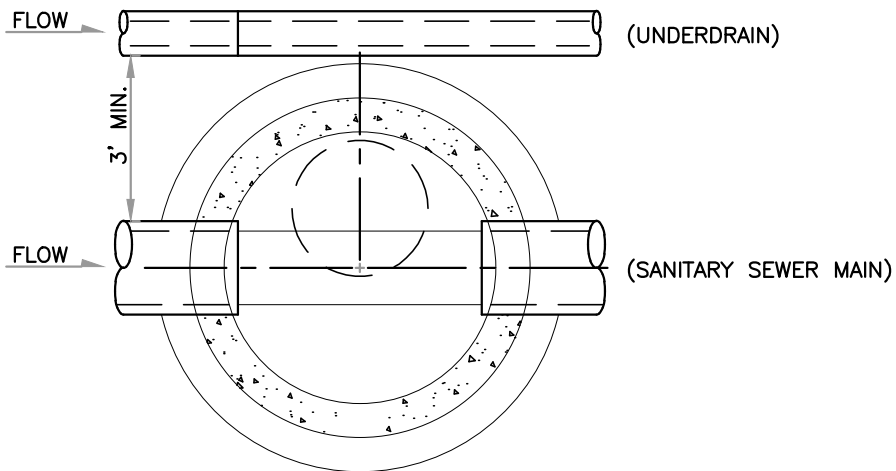
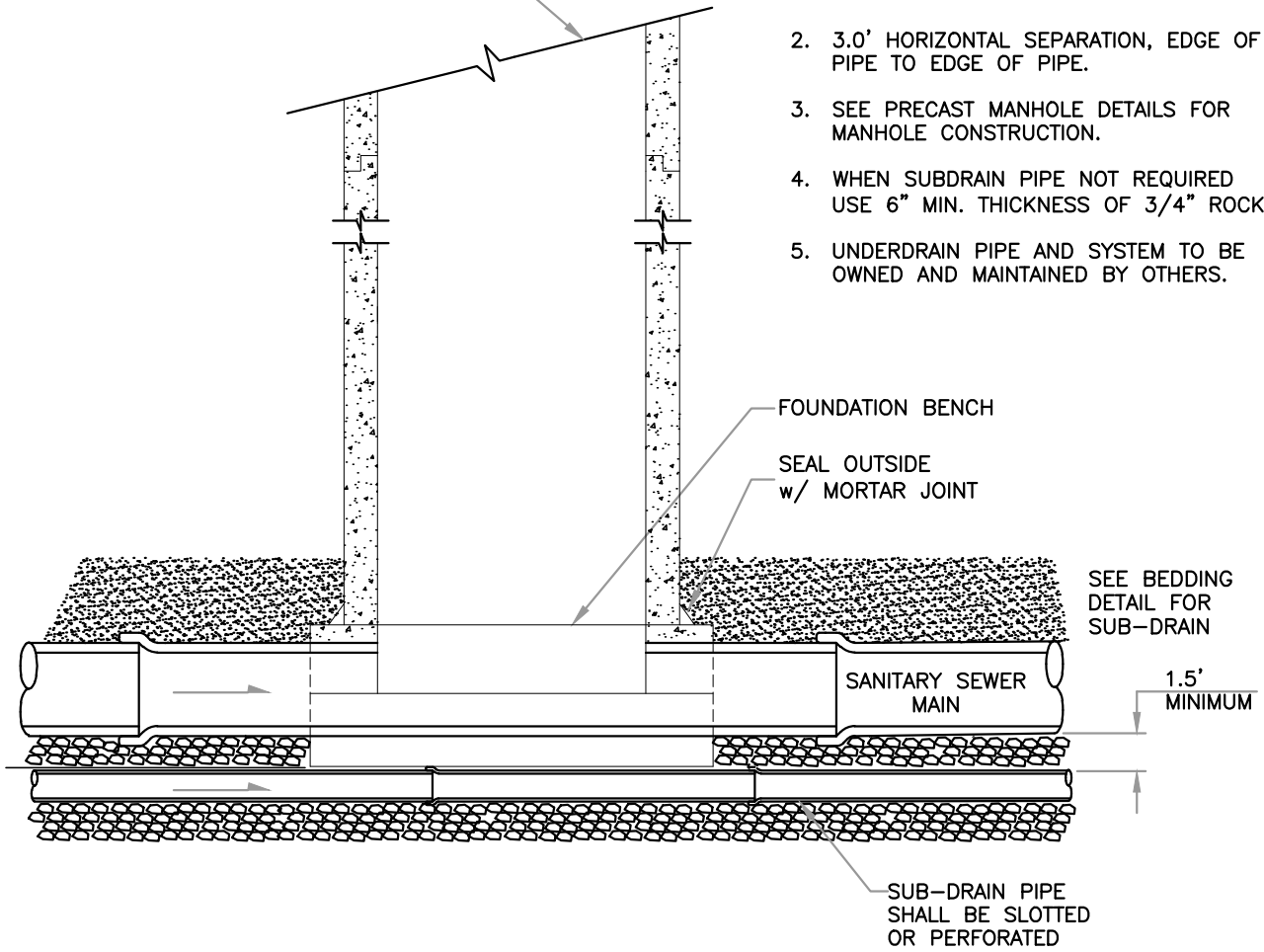
DRAWN: JCM
DATE: JAN 2024
SCALE: NONE

REVISED:
REVISED:
REVISED:

FOR MANHOLES, RINGS,
COVERS SEE DWG-03B.

NOTES:

1. 1.5' MINIMUM VERTICAL SEPARATION, BOTTOM OF SANITARY SEWER TO TOP OF SUB-DRAIN.
2. 3.0' HORIZONTAL SEPARATION, EDGE OF PIPE TO EDGE OF PIPE.
3. SEE PRECAST MANHOLE DETAILS FOR MANHOLE CONSTRUCTION.
4. WHEN SUBDRAIN PIPE NOT REQUIRED USE 6" MIN. THICKNESS OF 3/4" ROCK.
5. UNDERDRAIN PIPE AND SYSTEM TO BE OWNED AND MAINTAINED BY OTHERS.



MANHOLE WITH UNDERDRAIN

DWG-06



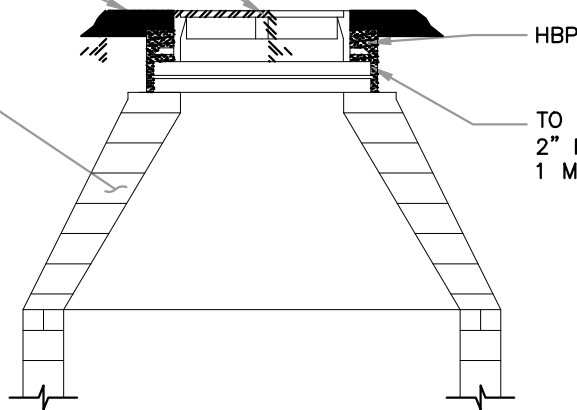
DRAWN: JCM
DATE: JAN. 2024
SCALE: NONE

REVISED:
REVISED:
REVISED:

24" DIA. MH RING & COVER. SEE DWG-03B

MIN. 4" OF HBP

REMOVE BRICK AS REQUIRED TO LOWER MANHOLE RING & COVER TO GRADE



TO RAISE, INSTALL MORTARED 2" PRECAST CONCRETE RINGS: 1 MIN., 3 MAX.

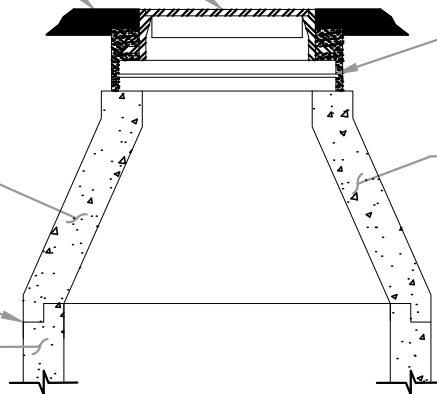
24" DIA. MH RING & COVER

MIN. 4" OF HBP

PRECAST CONCRETE CONCENTRIC CONE

JOINT SEALANT

PRECAST CONCRETE MANHOLE SECTIONS



INSTALL OR REMOVE 2" PRECAST CONC. RINGS FOR MINOR GRADE ADJUSTMENT: 1 MIN., 3 MAX.

REMOVE EXISTING PRECAST SECTION/CONE & REPLACE WITH REQUIRED SECTIONS/ FLAT TOP/CONE TO REACH FINISH GRADE.

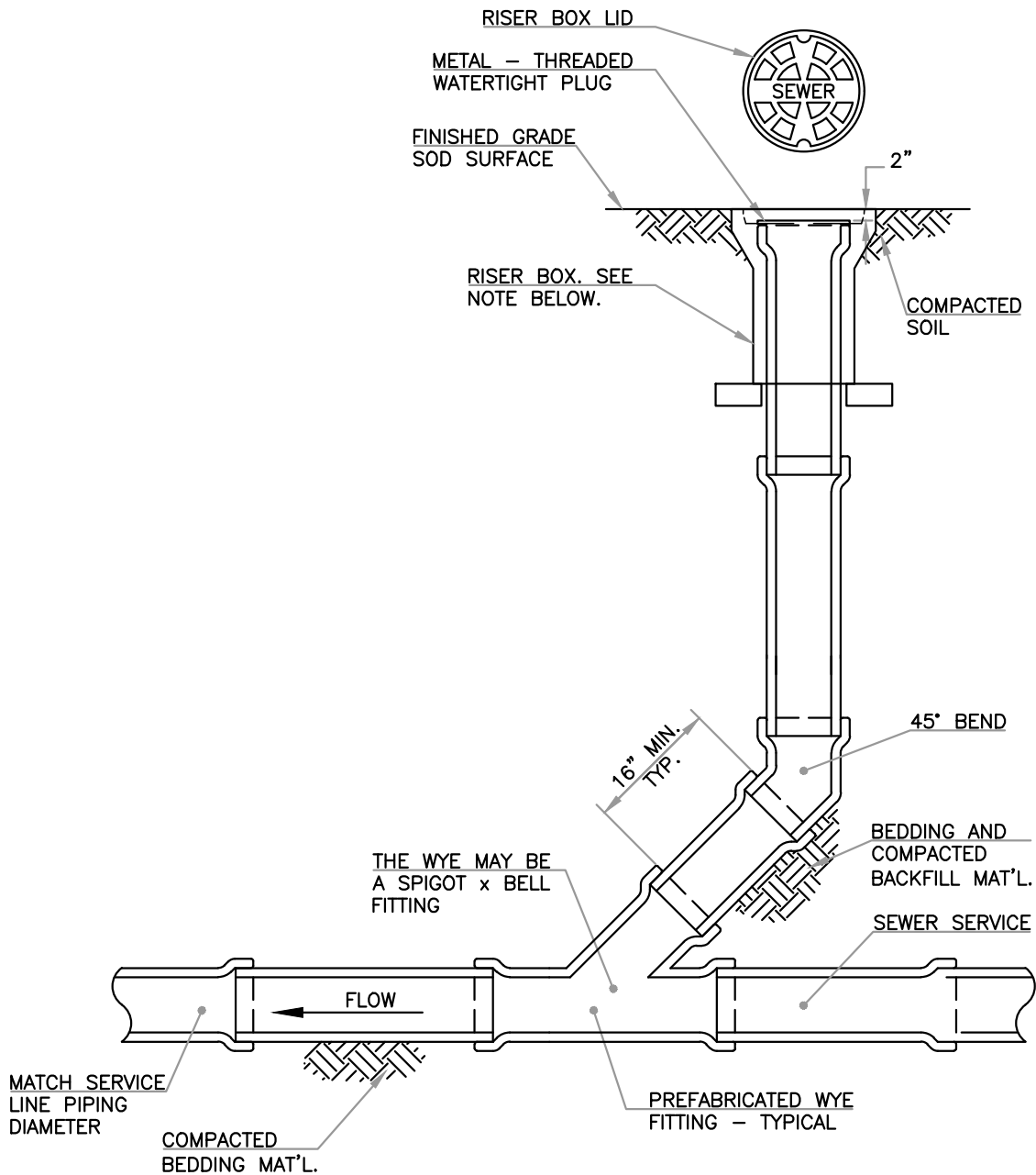
MANHOLE RING AND COVER ADJUSTMENT

DWG-07



DRAWN: MAM
DATE: MARCH 2000
SCALE: NONE

REVISED: 3-2003: HBP & ADJ. RINGS
REVISED: 3-2018: PAVING DEPTH, CONCENTRIC MANHOLE
REVISED:



NOTES:

1. SERVICE LINE CLEANOUTS SHALL BE PLACED 2" BELOW GRADE WITH A 10" LONG RISER BOX PLACED AT GRADE WITH "SEWER" CAST IN THE LID.
2. JOINTING OF DISSIMILAR PIPE MATERIALS SHALL BE ACCOMPLISHED WITH COUPLINGS SPECIFIED BY THE FOUNTAIN SANITATION DISTRICT.
3. WYE BRANCH FITTING, PIPE BENDS AND RISER PIPE MAY BE ASTM D3034, SDR35 OR 26, RUBBER GASKETED PIPE OR ASTM D1785, SCHEDULE 40 PVC PIPE SOLVENT WELDED JOINTS.

SANITARY SEWER SERVICE ONE-WAY CLEAN-OUT

DWG-08



DRAWN: JCM

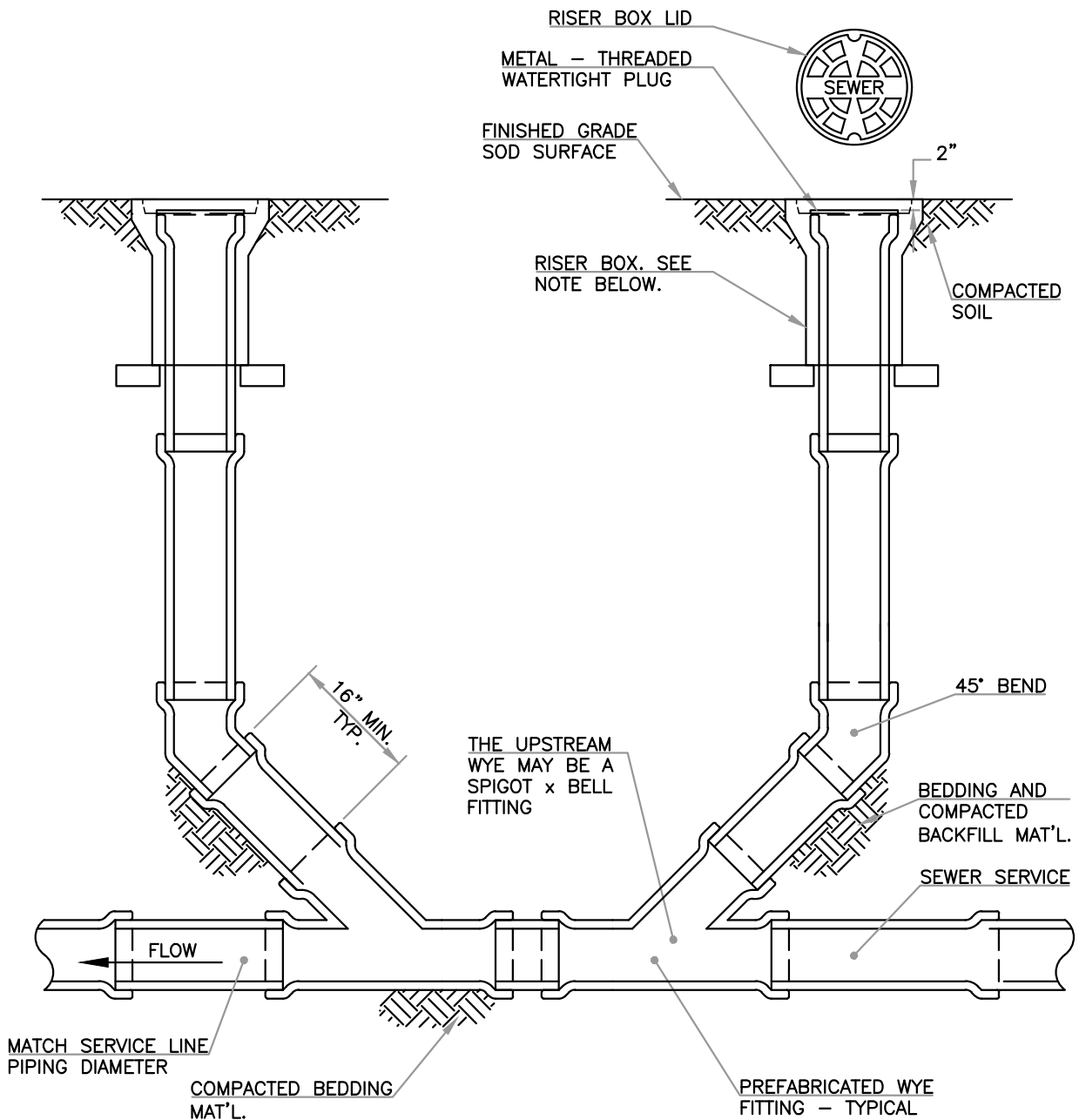
REVISED:

DATE: JAN 2024

REVISED:

SCALE: NONE

REVISED:



NOTES:

1. SERVICE LINE CLEANOUTS SHALL BE PLACED 2" BELOW GRADE WITH A 10" LONG RISER BOX PLACED AT GRADE WITH "SEWER" CAST IN THE LID.
2. JOINTING OF DISSIMILAR PIPE MATERIALS SHALL BE ACCOMPLISHED WITH COUPLINGS SPECIFIED BY THE FOUNTAIN SANITATION DISTRICT.
3. WYE BRANCH FITTING, PIPE BENDS AND RISER PIPE MAY BE ASTM D3034, SDR35 OR 26, RUBBER GASKETED PIPE OR ASTM D1785, SCHEDULE 40 PVC PIPE SOLVENT WELDED JOINTS.

SANITARY SEWER SERVICE TWO-WAY CLEAN-OUT

DWG-08A



DRAWN: JCM

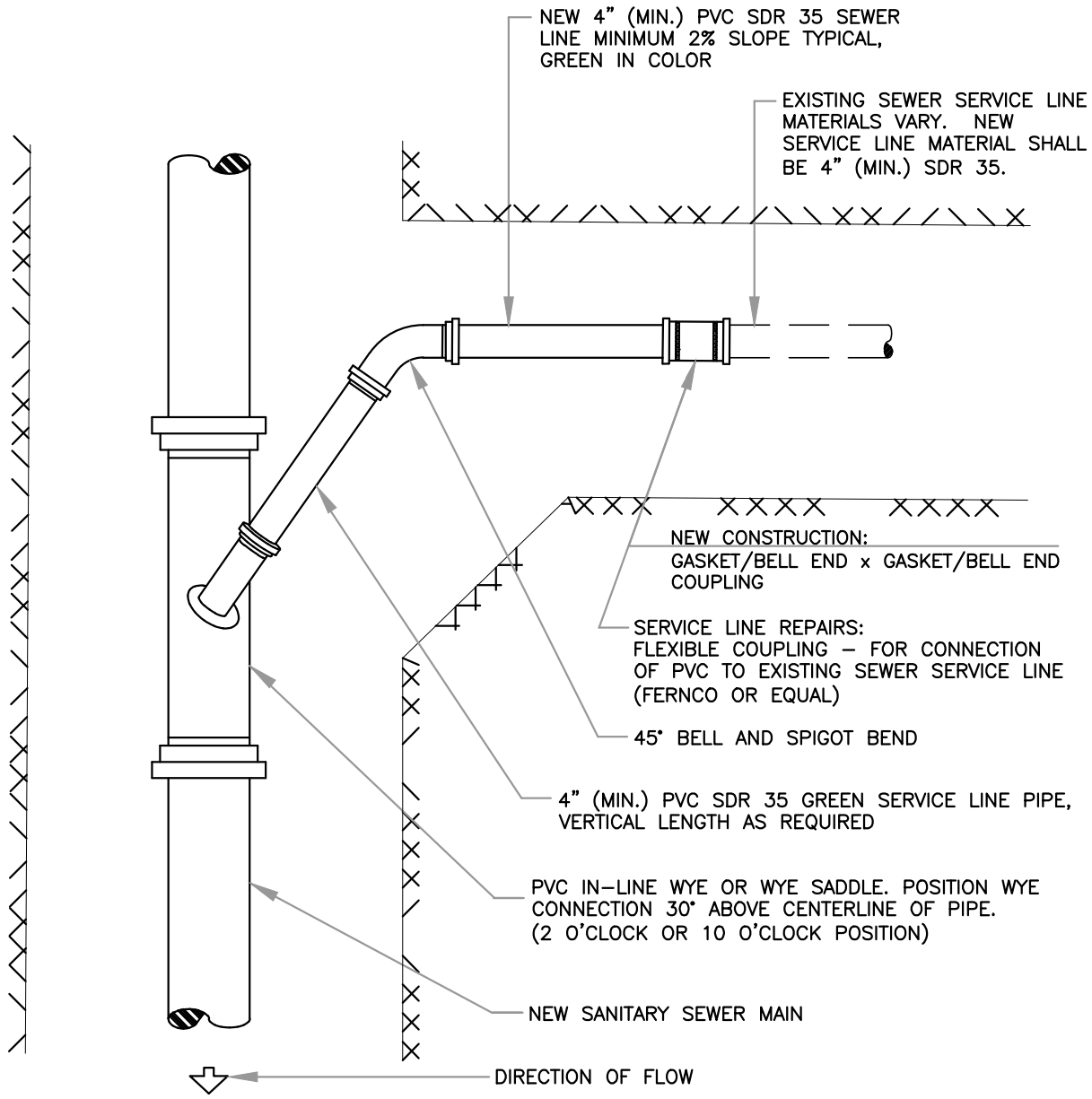
REVISED:

DATE: JAN. 2024

REVISED:

SCALE: NONE

REVISED:



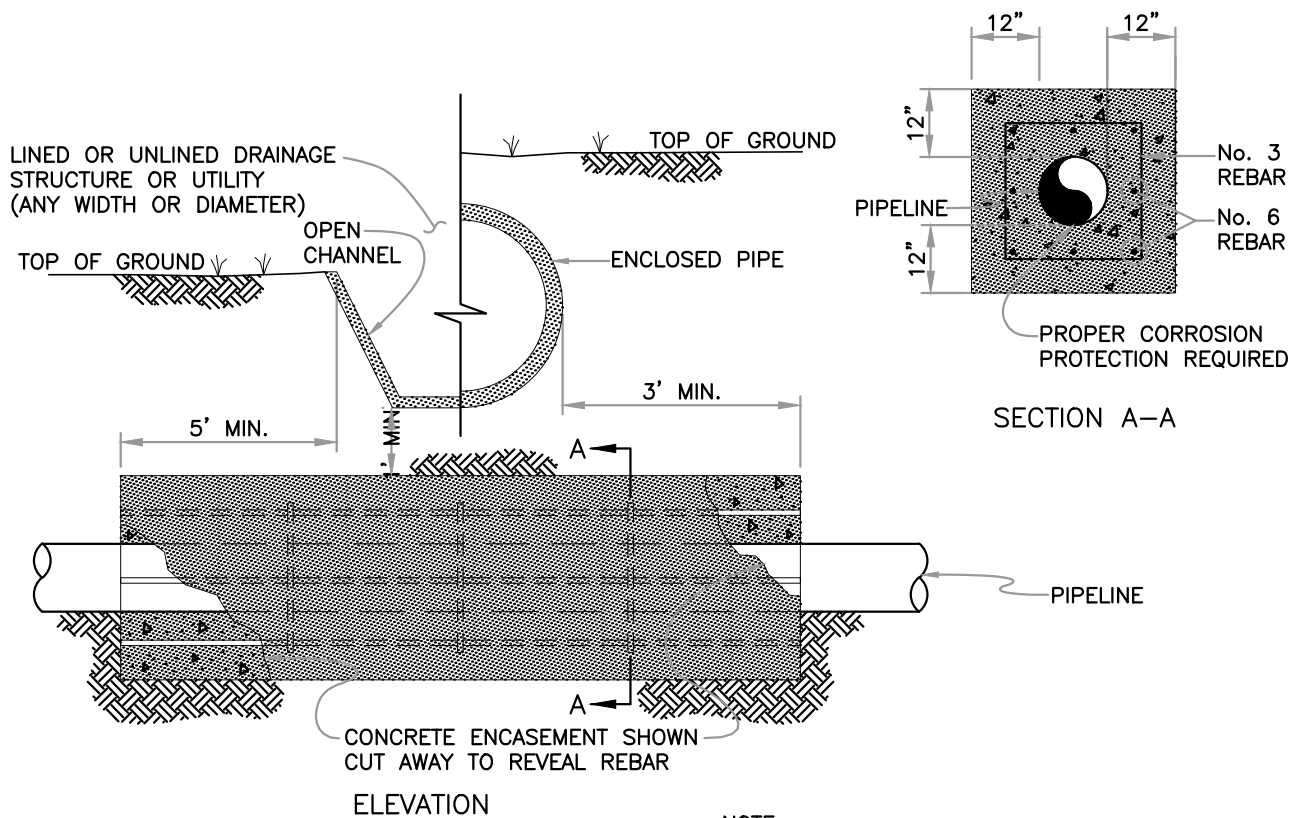
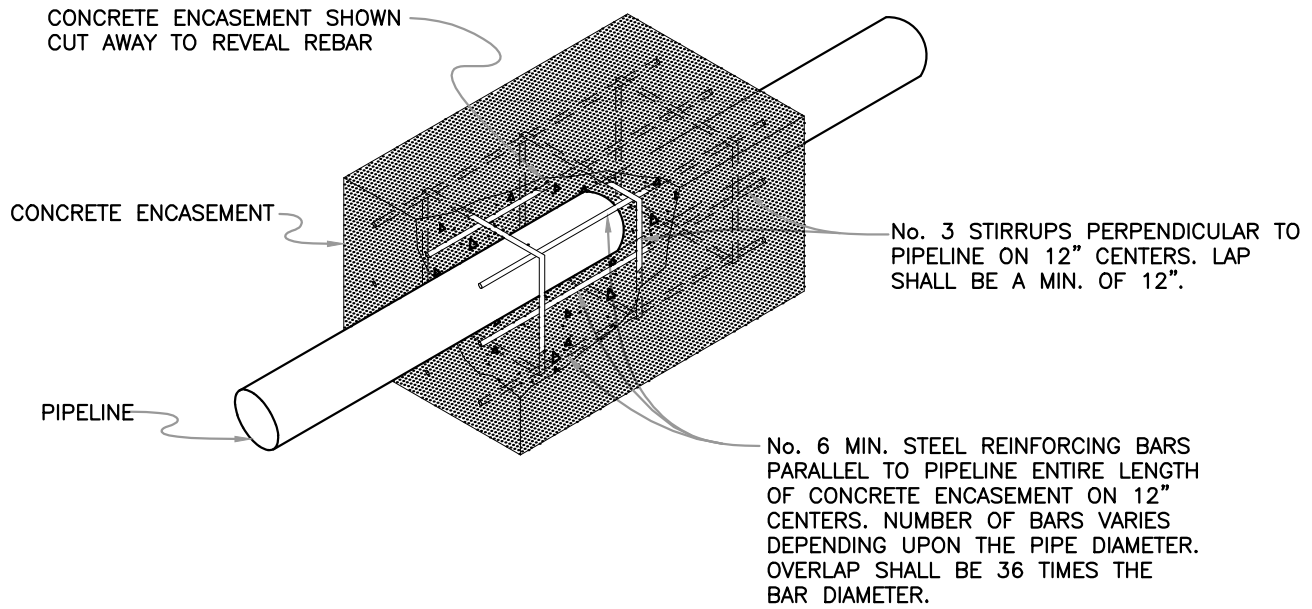
- NOTE:
1. ALL NEW CONSTRUCTION SHALL BE 4"(MIN.) SDR 35 PVC, GREEN IN COLOR, GASKET/BELL END x SPIGOT PIPE.
 2. SERVICE LINE INVERT SHOULD BE DESIGNED TO MATCH TOP OF SANITARY SEWER MAIN LINE.
 3. WHEN CONNECTING A SERVICE LINE TO AN EXISTING SEWER MAIN, A WYE SADDLE IS REQUIRED.

SANITARY SEWER SERVICE CONNECTION

DWG-09



DRAWN: JCM	REVISED:
DATE: JAN. 2024	REVISED:
SCALE: NONE	REVISED:



NOTE:
1. CONCRETE STRENGTH NOT TO EXCEED 50PSI

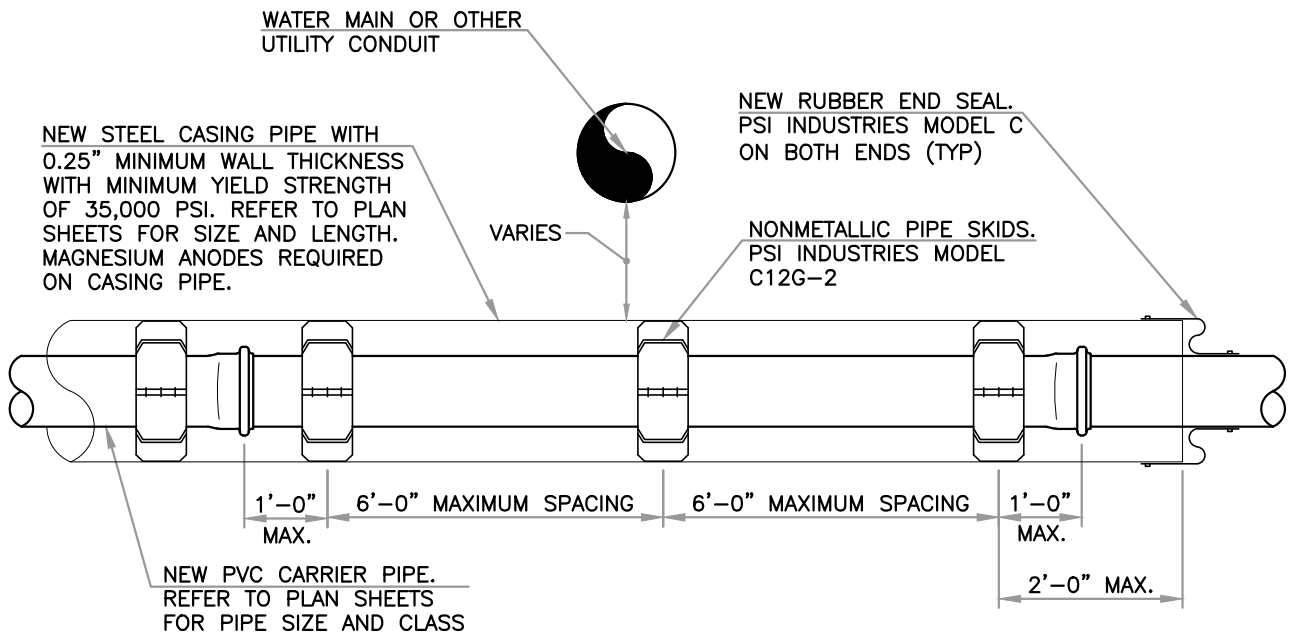
PIPE ENCASEMENT

DWG-10



DRAWN: MAM
DATE: JAN. 2024
SCALE: NONE

REVISED:
REVISED:
REVISED:



NOTE:

1. CASING PIPE IS REQUIRED WHEN SANITARY MAIN HAS LESS THAN 18" CLEARANCE UNDER THE WATER MAIN, WHEN THE SANITARY SEWER MAIN PASSES OVER A WATER MAIN OR WHEN COVER OVER THE SANITARY MAIN IS LESS THAN 5'.
2. CONTRACTOR MAY COORDINATE WITH DISTRICT ON ALTERNATIVE MATERIALS THAT MAY BE USED WHEN CLEARANCE IS LESS THAN 18" OR COVER IS LESS THAN 5'.
3. THE CASING PIPE SHALL BE CENTERED UNDER/OVER THE WATER MAIN TO PROVIDE FOR 10' OF PROTECTION EITHER SIDE OF THE WATER MAIN.
4. THIS CROSSING DETAIL MAY BE USED WHEN THE SANITARY MAIN CROSSES OVER A WATER MAIN.
5. DEPENDING ON SITE CONDITIONS, DISTRICT WILL CONSIDER A HIGH-DENSITY POLYETHYLENE (HDPE) CARRIER PIPE PLACED IN THE BOTTOM OF THE CASING PIPE EXTENDING FROM MANHOLE STRUCTURE TO MANHOLE STRUCTURE. WALL THICKNESS OF HDPE PIPE TO BE DESIGNED AND APPROVED PRIOR TO INSTALLATION.
6. SEWER SERVICE LINE ENCASEMENT: WHERE REQUIRED, SANITARY SEWER SERVICE LINES MAY BE PLACED IN A PVC SLEEVE MEETING THE FOLLOWING:
 - AWWA C900 SPECIFICATIONS w/ SEWER MARKING TAPE PLACED 1-FOOT ABOVE CASING PIPE
 - MINIMUM 6" DIAMETER
 - MINIMUM 18 L.F. w/ NO JOINTS CENTERED BENEATH WATER MAIN
 - SEAL EACH END OF PIPE SLEEVE WITH A FLEXIBLE RUBBER END SEAL. DESIGN BASIS; PIPELINE SEAL AND INSULATOR (PSI) OR CCI PIPELINE SYSTEMS, MODEL ESW

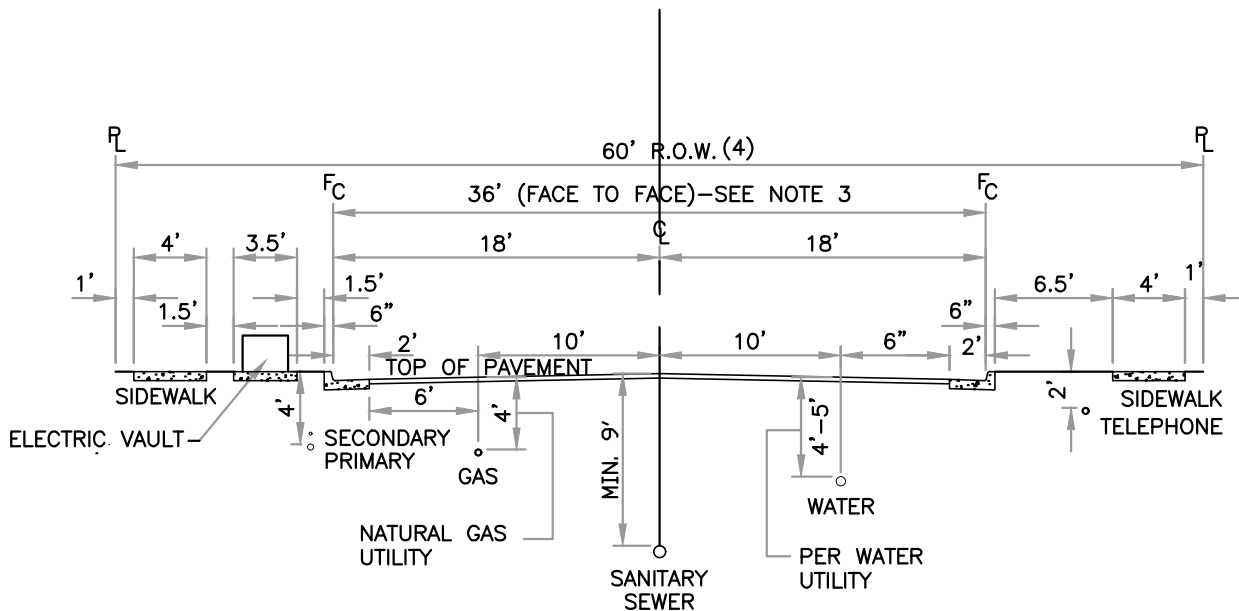
SEWER MAIN WITH ENCASEMENT FOR UTILITY CROSSING

DWG-10A



DRAWN: DRF
DATE: MARCH 2012
SCALE: NONE

REVISED:
REVISED:
REVISED:



TYPICAL CROSS SECTION
UTILITIES LOCATION

GENERAL NOTES

- 1) STORM SEWERS SHALL MAINTAIN A 10' CLEAR SEPARATION FROM WATER.
- 2) ELECTRIC CONDUITS SHALL BE ON THE OPPOSITE SIDE OF THE STREET FROM WATER.
- 3) FOR 40' WIDE STREET SECTIONS, MAINTAIN WATER 10 FEET FROM SANITARY SEWER AT STREET CENTERLINE.
- 4) FOR 50' WIDE RIGHT-OF-WAY (ROW), A 5-FOOT WIDE SIDEWALK AND UTILITY EASEMENTS ARE REQUIRED ADJACENT TO THE STREET ROW. FIVE (5) FOOT WIDE ATTACHED SIDEWALK IS USED WITH ELECTRIC UTILITIES BEHIND WALK IN EASEMENT.
- 5) SANITARY SEWER SERVICE LINES TO EXTEND 10' BEYOND LOT LINE.

TYPICAL UTILITIES LOCATION

DWG-11



DRAWN: MAM

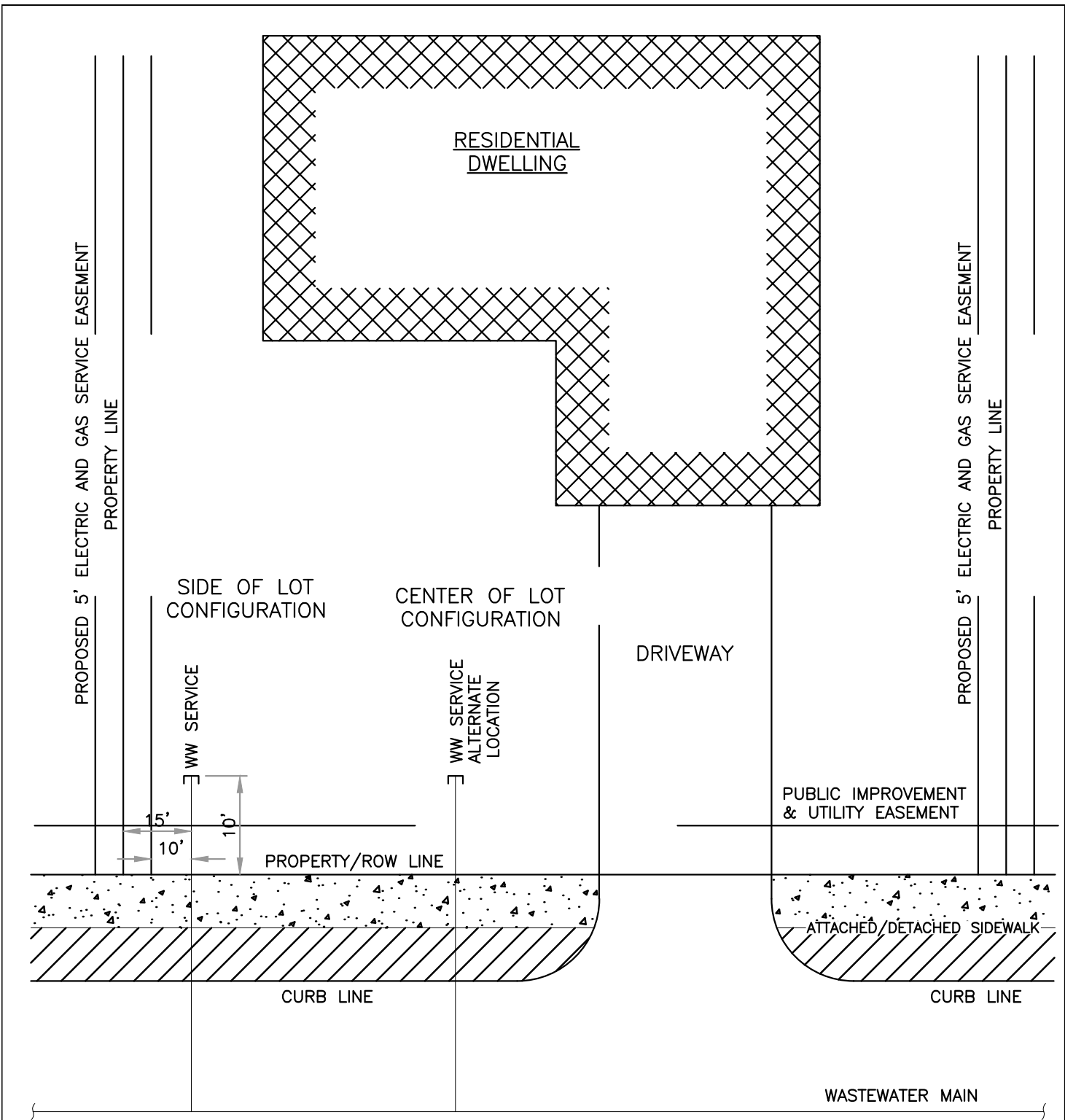
REVISED:

DATE: JAN. 2024

REVISED:

SCALE: NONE

REVISED:



NOTES:

1. DIMENSIONS SHOWN ARE TYPICAL UNLESS OTHERWISE NOTED ON PLANS.
2. TYPICAL SANITARY SEWER SERVICE LINE LOCATION SHALL BE 15' FROM THE SIDE LOT LINE. THE ALTERNATE LOCATION FOR THE SANITARY SEWER SERVICE LINE WILL ONLY BE ALLOWED WITH APPROVAL FROM THE FSD.
3. ALL SANITARY SEWER SERVICE LINES SHALL BE STUBBED 10' INTO THE LOT AND CAPPED WITH A WATERTIGHT PLUG.

	DETACHED SIDEWALK
	ATTACHED SIDEWALK

TYPICAL SERVICE LOCATIONS TO A RESIDENTIAL DWELLING

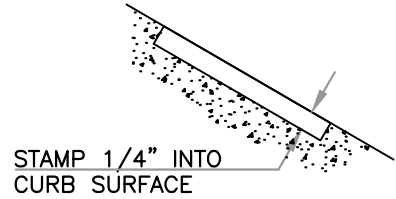
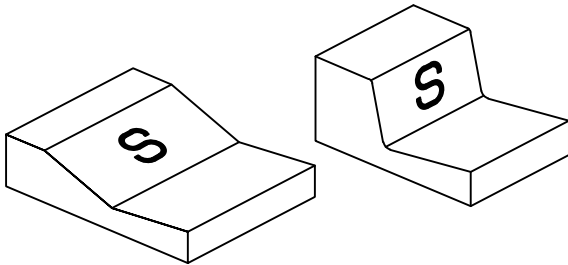
DWG-11A



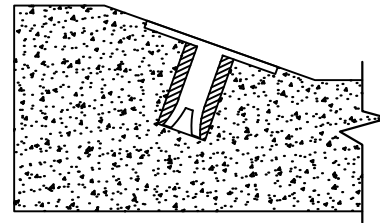
DRAWN: JCM	REVISED:
DATE: NOV 2020	REVISED:
SCALE: NONE	REVISED:

MARKING CURBS ABOVE SERVICE LINES

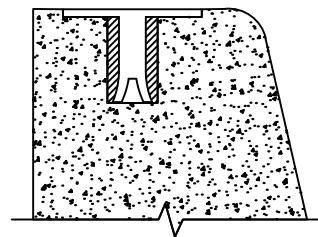
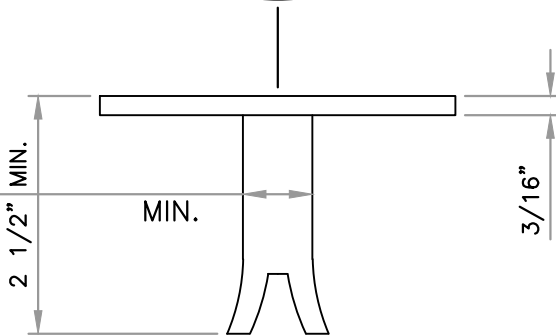
OPTION 1 – STAMP FACE OF CURB WITH 'S' FOR WASTEWATER SERVICE LINE WHILE CONCRETE IS PLASTIC OR IN CONCRETE ACCESS DRIVE PAN.



OPTION 2 – DRILL AND EPOXY A BRONZE MARKER INTO FACE OF CURB FOR SLOPED CURB, OR HEAD OF CURB FOR VERTICAL CURB, ABOVE THE LINE LOCATION AFTER CONCRETE HAS CURED



SLOPED CURB AND GUTTER



VERTICAL CURB AND GUTTER

NOTES:

1. IF THE CURB IS NOT STAMPED WHILE THE CONCRETE IS PLASTIC THEN OPTION 2 MUST BE USED.
2. STAINING OR GRINDING OF A CONCRETE SURFACE TO INDICATE SERVICE LINE LOCATION IS NOT PERMITTED.
3. USE MANUFACTURER'S RECOMMENDED EPOXY OR ANCHORING CEMENT TO AFFIX MARKERS INTO CONCRETE.
4. USE COUNTERSINK DRILL-BIT TO ENSURE TOP OF BRONZE MARKER IS FLUSH WITH CONCRETE SURFACE.

MARKING CURBS ABOVE SERVICE LINES

DWG-11B



DRAWN: SKC

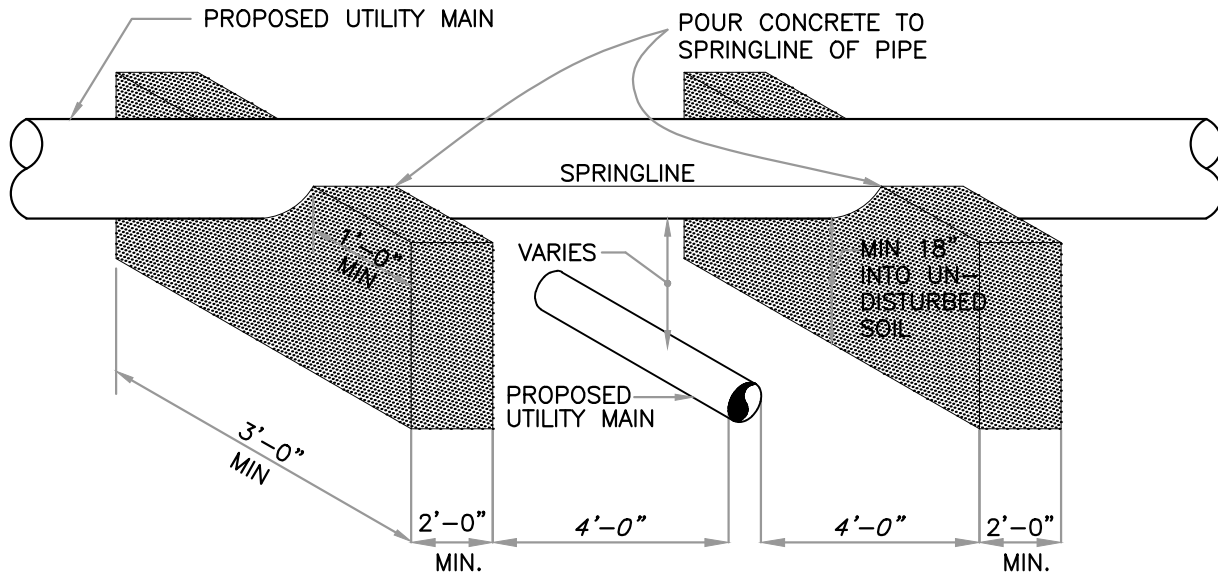
REVISED:

DATE: JAN. 2024

REVISED:

SCALE: NONE

REVISED:

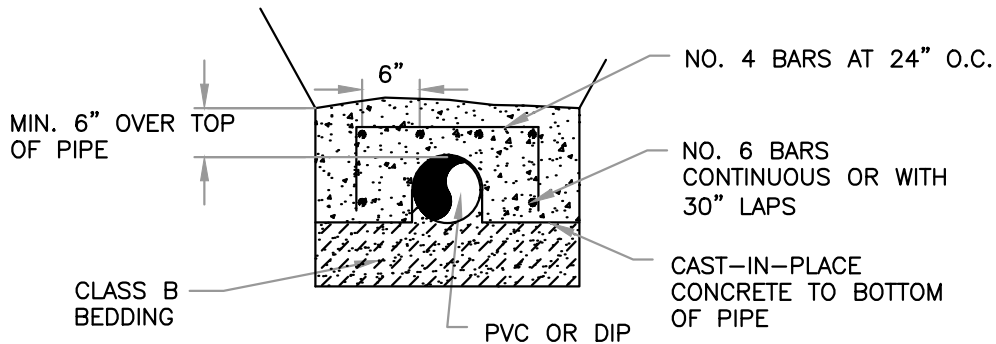
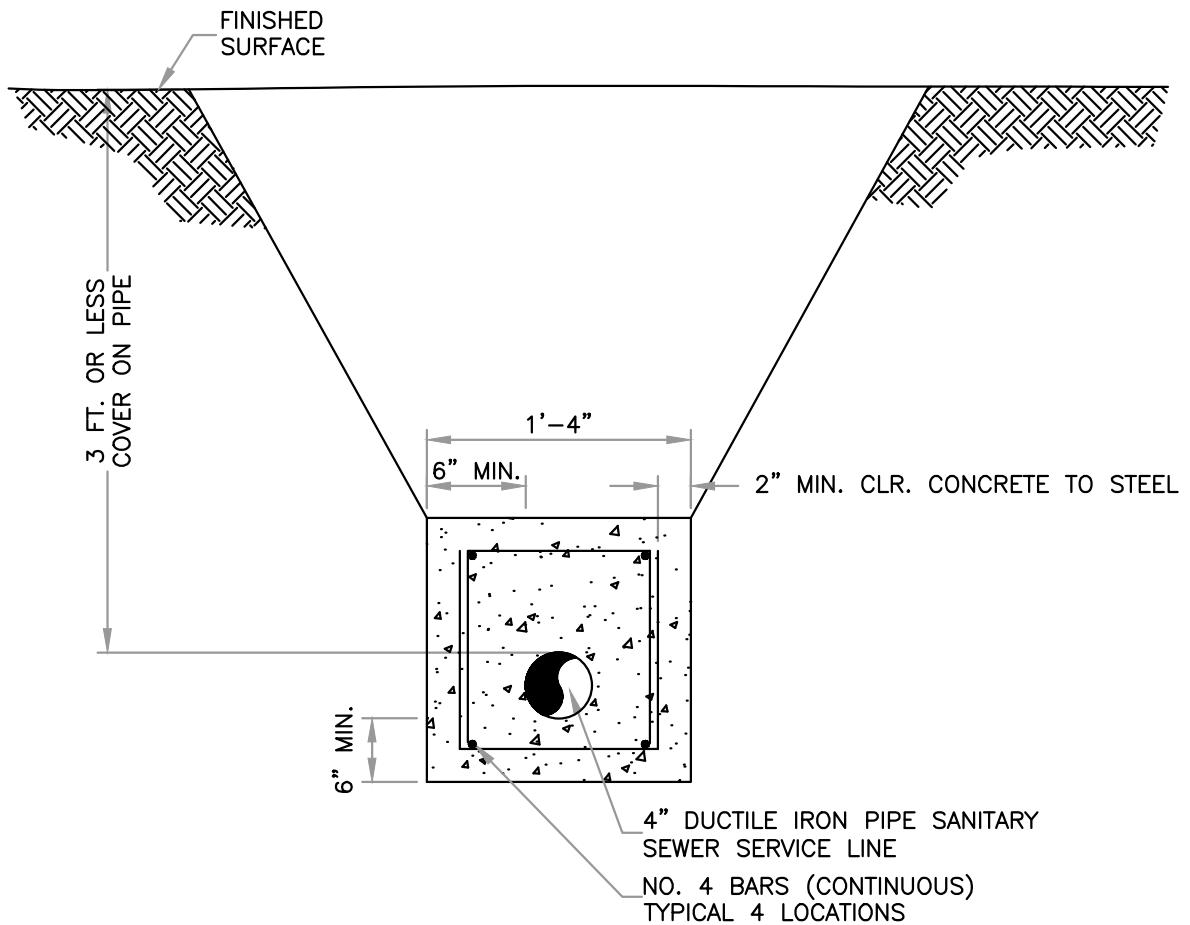


NOTES :

1. CONCRETE BRIDGING BLOCKS TO BE REINFORCED WITH No. 6 REBAR SET ON 12" CENTERS.
2. NO JOINTS OF UTILITY MAIN SHALL BE ALLOWED BETWEEN CONCRETE BRIDGING BLOCKS.

PIPE BRIDGING

DWG-12



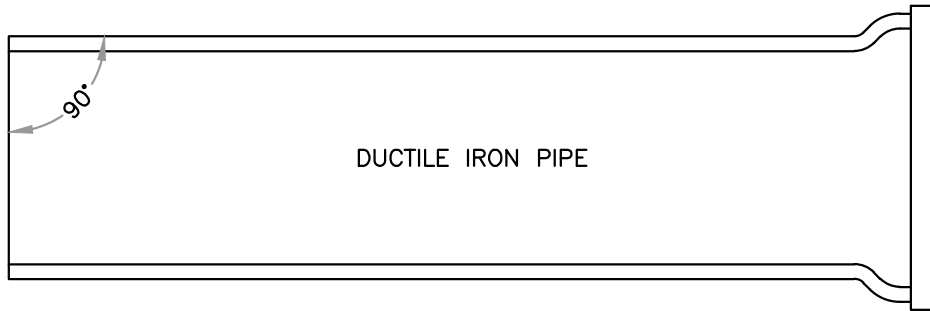
REINFORCED CONCRETE PIPE CAP

NOTES:

1. DUCTILE IRON PIPE WITHOUT CONCRETE ENCASEMENT MAY BE PERMITTED BY THE DISTRICT IF FINAL PIPE COVER IS MORE THAN 3 FEET.
2. CONCRETE ENCASEMENT PER THIS DRAWING IS REQUIRED WITH DUCTILE IRON PIPE WHERE FINAL PIPE COVER IS 3 FEET OR LESS.
3. IF THE CONCRETE ENCASEMENT IS REQUIRED ON A SANITARY SEWER SERVICE LINE, THE PROPERTY OWNER/CUSTOMER IS COMPLETELY RESPONSIBLE FOR OPERATION, MAINTENANCE AND REPLACEMENT OF ANY SEWER SERVICE LINE FROM THE DISTRICT'S SEWER MAIN TO THE STRUCTURE SERVED.
4. THE DISTRICT MAY ACCEPT CONCRETE CAP FOR PIPE PROTECTION IN SPECIAL CONDITIONS

SHALLOW SANITARY SEWER LINE PROTECTION/ENCASEMENT

DWG-13



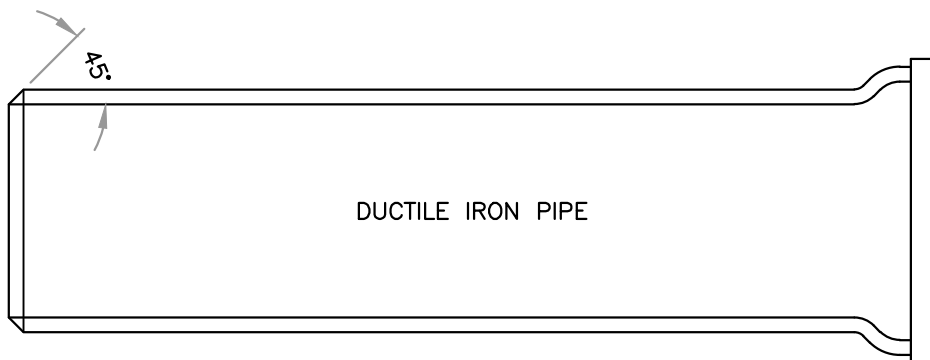
MECHANICAL JOINT CONNECTION

PIPE MUST BE CUT AT RIGHT ANGLES TO LONGITUDINAL CENTERLINE IN ALL CASES.

PIPE ENDS SHALL BE FREE OF BURRS.

MORTAR LINING SHALL BE FLUSH WITH PIPE END.

GOUGES CUT IN PIPE ENDS SHALL NOT BE ALLOWED.



SLIP JOINT CONNECTION

PIPE CUT IN STRAIGHT LINE AND BEVELED AT 45° ANGLE ON END.

GENERAL NOTES:

1. ALL PIPE CUTTING EQUIPMENT AND PIPE CUTS MUST BE APPROVED BY THE MONUMENT SANITATION DISTRICT
2. ALL PIPE ENDS TO BE USED IN INSTALLATION SHALL BE DRESSED SMOOTH TO THE SATISFACTION OF THE INSPECTOR PRIOR TO INSTALLATION.

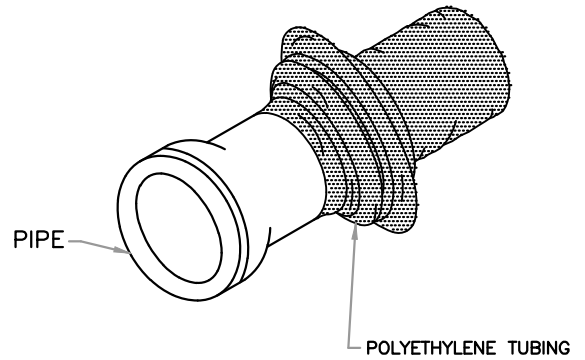
PIPE CUTTING

DWG-14

FIELD INSTALLATION OF POLYETHYLENE WRAP

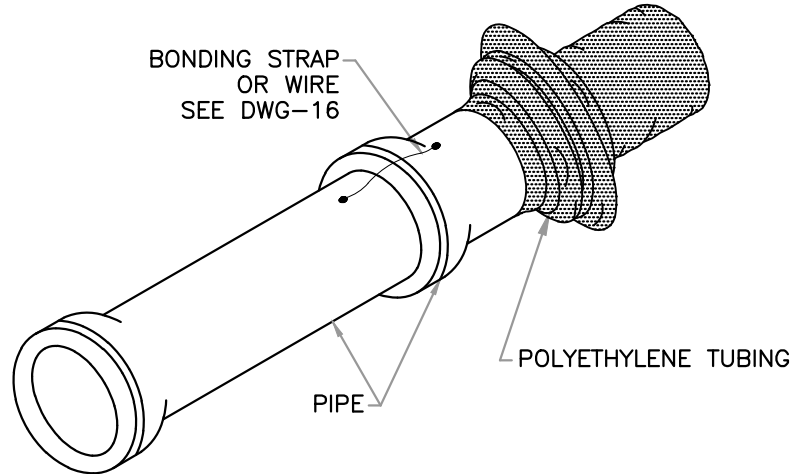
STEP 1:

PLACE TUBE OF POLYETHYLENE MATERIAL ON PIPE PRIOR TO LOWERING IT INTO TRENCH.



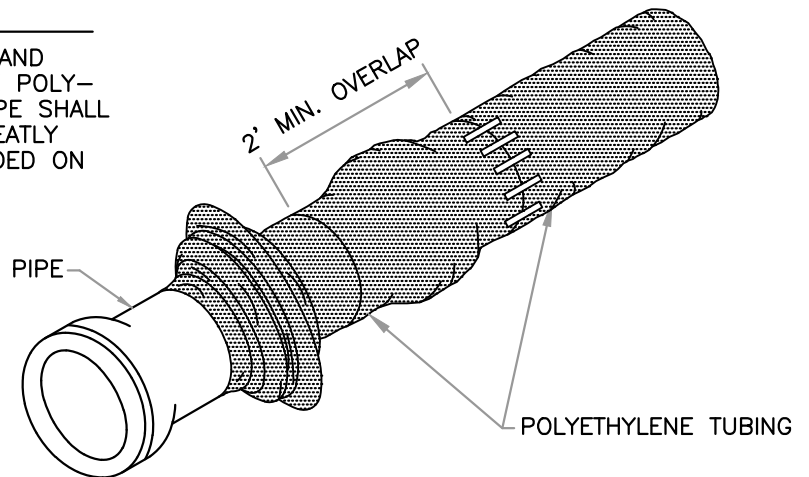
STEP 2:

PULL TUBE OVER THE LENGTH OF THE PIPE. TAPE TUBE TO END AT JOINT. FOLD MATERIAL AROUND THE ADJACENT SPIGOT END AND WRAP WITH TAPE TO HOLD THE PLASTIC TUBE IN PLACE. INSTALL BONDING STRAP OR WIRE AT EVERY JOINT OF PIPE PRIOR TO WRAPPING IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.



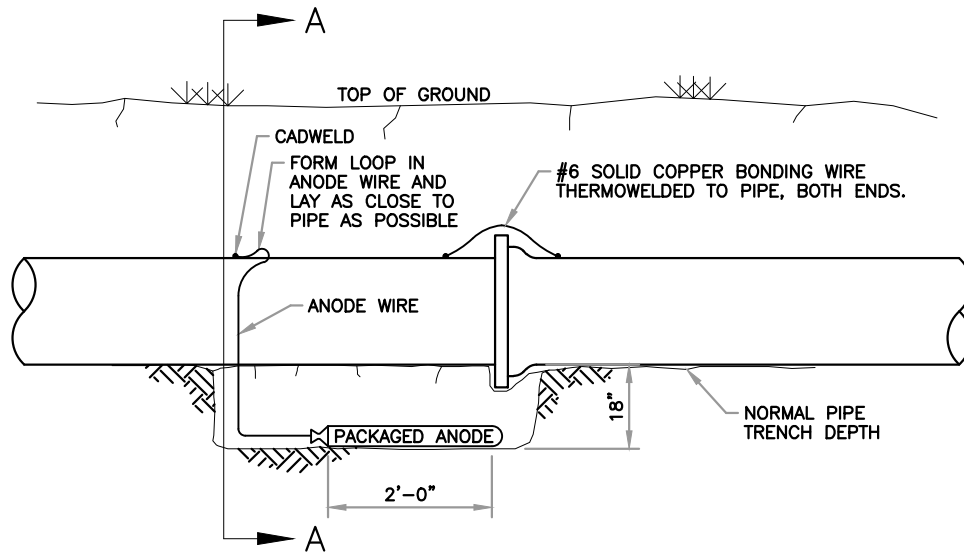
STEP 3:

OVERLAP FIRST TUBE WITH ADJACENT TUBE AND SECURE WITH PLASTIC ADHESIVE TAPE. THE POLYETHYLENE TUBE MATERIAL COVERING THE PIPE SHALL BE LOOSE. EXCESS MATERIAL SHALL BE NEATLY DRAWN UP AROUND THE PIPE BARREL, FOLDED ON TOP OF PIPE AND TAPED IN PLACE.

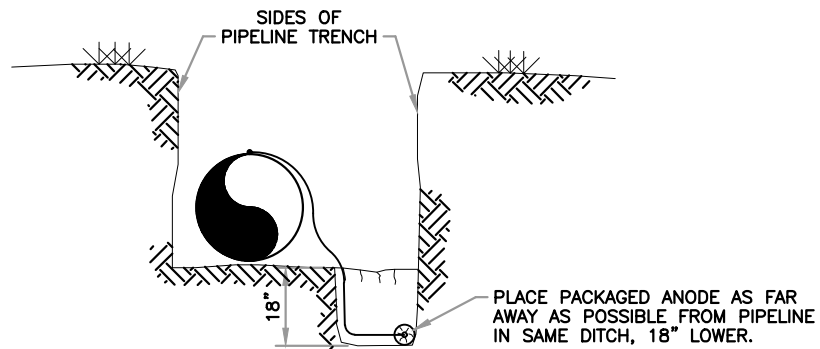


POLYETHYLENE PIPE WRAP

DWG-15



ELEVATION



SECTION A-A

NOTE:

1. CADWELD CONNECTION TO BE PRIMED AND COATED CAREFULLY. PACKAGED ANODE SHOULD BE COVERED WITH FINE SOIL CONTAINING NO ROCKS OR DIRT CLUMPS, TAMPED.
2. WHEN ANODES ARE REQUIRED WITH METAL FITTINGS AND APPURTENANCES TOGETHER WITH PVC PIPE INSTALLATION, THE ANODES SHALL BE PLACED AND ATTACHED TO THE METAL IN SAME MANNER AS SHOWN ON

CADWELD/ANODE CONNECTION

DWG-16



DRAWN: MAM

REVISED:

DATE: MARCH 2000

REVISED:

SCALE: NONE

REVISED:

MAXIMUM D.I.P. DEFLECTION PER SLIP JOINT

PIPE DIAMETER			MFRS. DEFL.	DESIGN DEFLECTION (80% MAX.)			APPROX. RADIUS FOR DEFLECTING CURVES WITHOUT BENDS	
I.D.	O.D.(IN.)	O.D.(FT.)		MAX. DEFL. DIST.		20'L	18'L	
				(1)	(2)			
4"	4.80"	.400'	5'00'00"	4'00'00"	16"	15"	286'	258'
6"	6.90"	.575'	5'00'00"	4'00'00"	16"	15"	286'	258'
8"	9.05"	.754'	5'00'00"	4'00'00"	16"	15"	286'	258'
10"	11.10"	.925'	5'00'00"	4'00'00"	16"	15"	286'	258'
12"	13.20"	1.100'	5'00'00"	4'00'00"	16"	15"	286'	258'
14"	15.30"	1.275'	3'00'00"	2'24'00"	10"	9"	477'	430'
16"	17.40"	1.450'	3'00'00"	2'24'00"	10"	9"	477'	430'
18"	19.50"	1.625'	3'00'00"	2'24'00"	10"	9"	477'	430'
20"	21.60"	1.800'	3'00'00"	2'24'00"	10"	9"	477'	430'
24"	25.80"	2.150'	3'00'00"	2'24'00"	10"	9"	477'	430'
30"	32.00"	2.666'	3'00'00"	2'24'00"	10"	9"	477'	430'
36"	38.30"	3.192'	3'00'00"	2'24'00"	10"	9"	477'	430'
42"	44.50"	3.708'	2'00'00"	1'36'00"	6"	6"	716'	645'

(1) 20'L = NORMAL 20-FOOT JOINT LAYING LENGTH

(2) 18'L = NORMAL 18-FOOT JOINT LAYING LENGTH

MAXIMUM PIPELINE DEFLECTION DATA

DWG-17



DRAWN: MAM

REVISED:

DATE: JAN. 2024

REVISED:

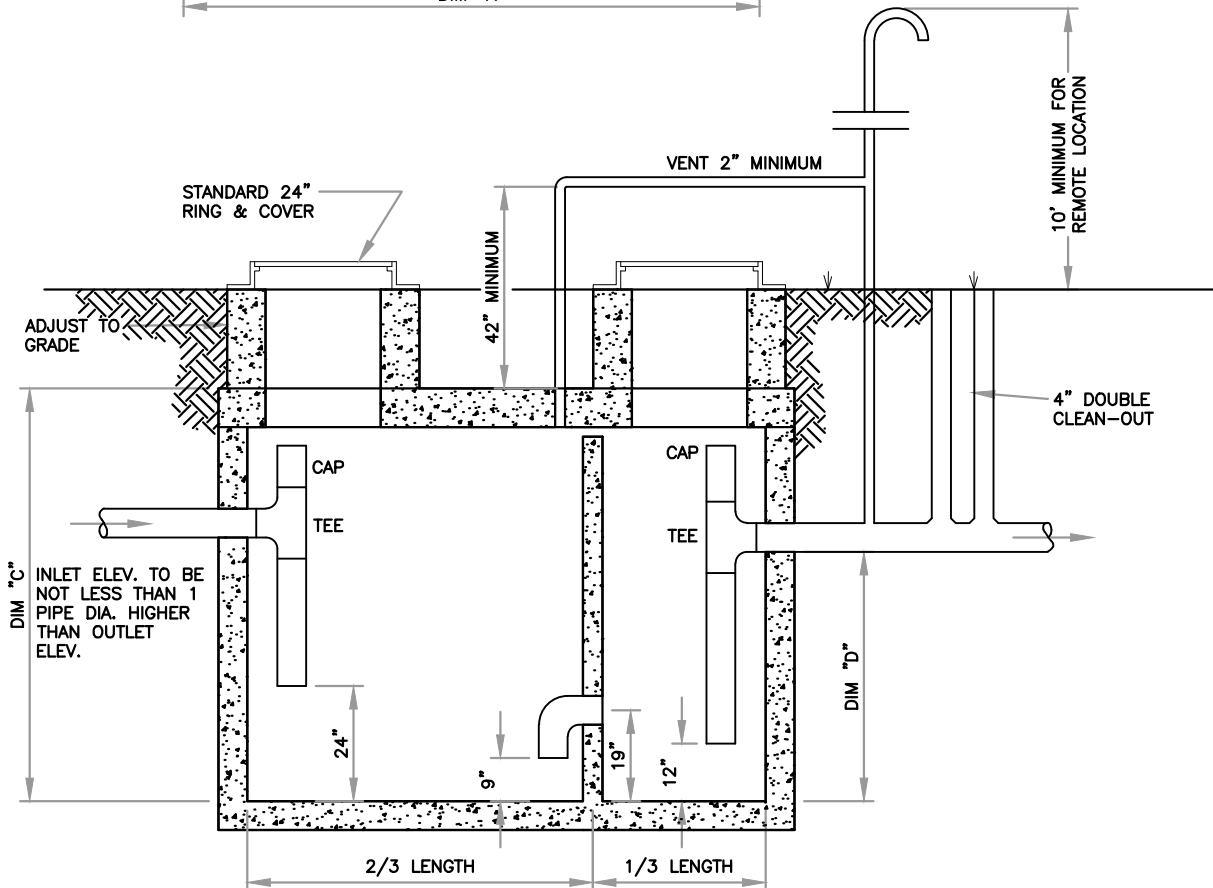
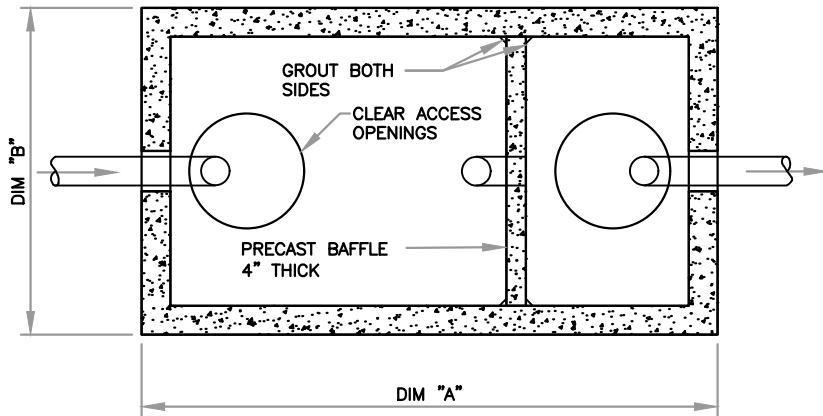
SCALE: NONE

REVISED:

NOTES :

1. MINIMUM OPERATING VOLUME = 1500 GALLONS
2. CONCRETE = 28 DAY COMPRESSIVE STRENGTH = 4500 psi
3. DESIGN: ASTM C857-87 & C858-83 MINIMUM
4. LOADING: AASHTO HS-20
5. FILL w/ CLEAN WATER PRIOR TO START-UP OF SYSTEM

SIZING CHART				
GALLON CAPACITY	DIM "A"	DIM "B"	DIM "C"	DIM "D"
1500	9'-0"	5'-8"	7'-2"	4'-4"
1750	11'-2"	5'-8"	7'-2"	4'-11"
2000	11'-2"	6'-8"	8'-0"	4'-7"
2500	12'-8"	6'-8"	8'-0"	5'-6"
2750	12'-8"	6'-8"	8'-0"	6'-0"
3000	15'-7"	9'-7"	8'-6.5"	6'-3"
4000	15'-7"	9'-7"	8'-6.5"	6'-3"
5000	19'-11"	9'-11"	8'-11"	6'-2"
6000	19'-11"	9'-11"	10'-5"	7'-2"



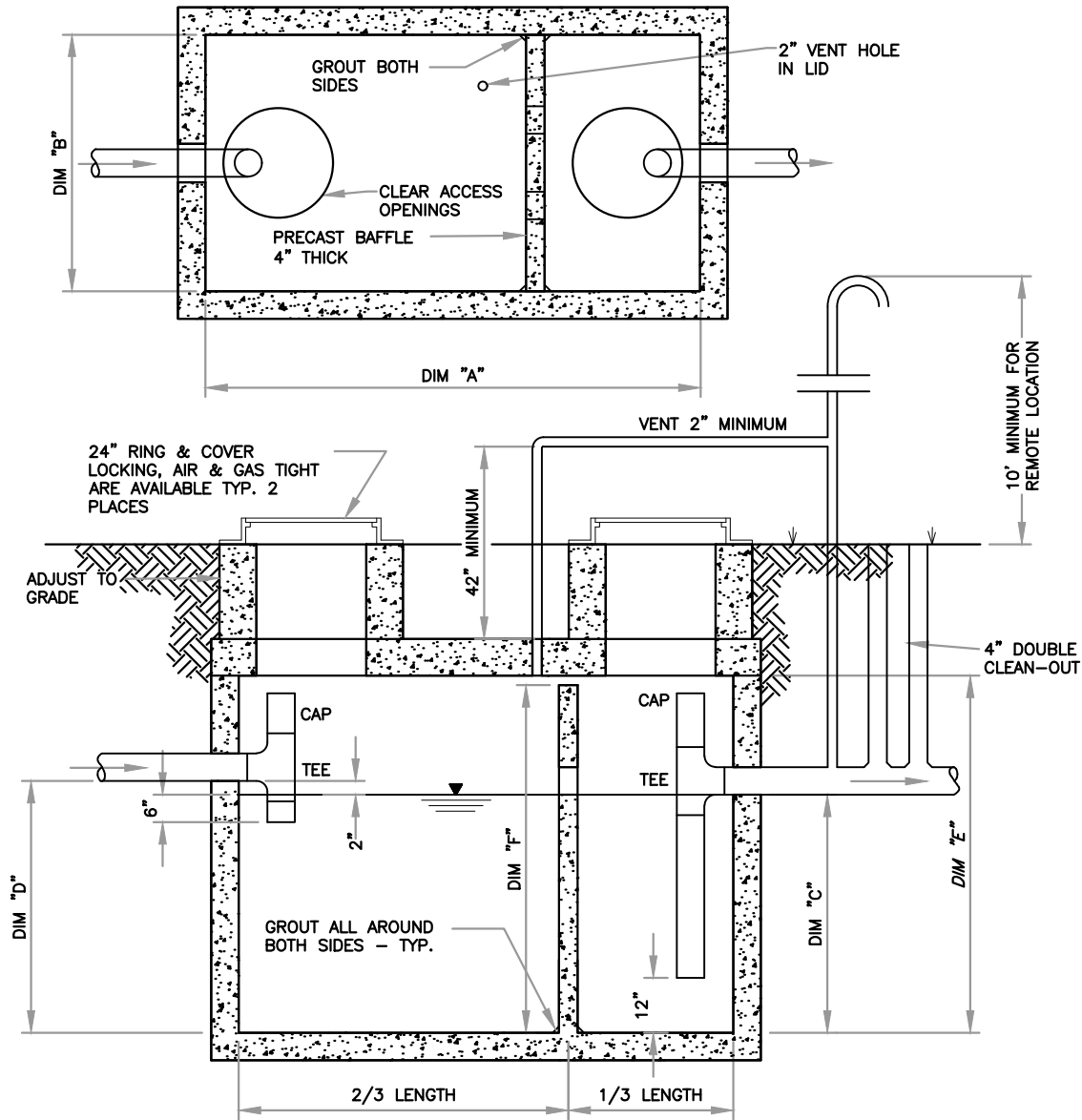
GREASE INTERCEPTOR

DWG-18

NOTES :

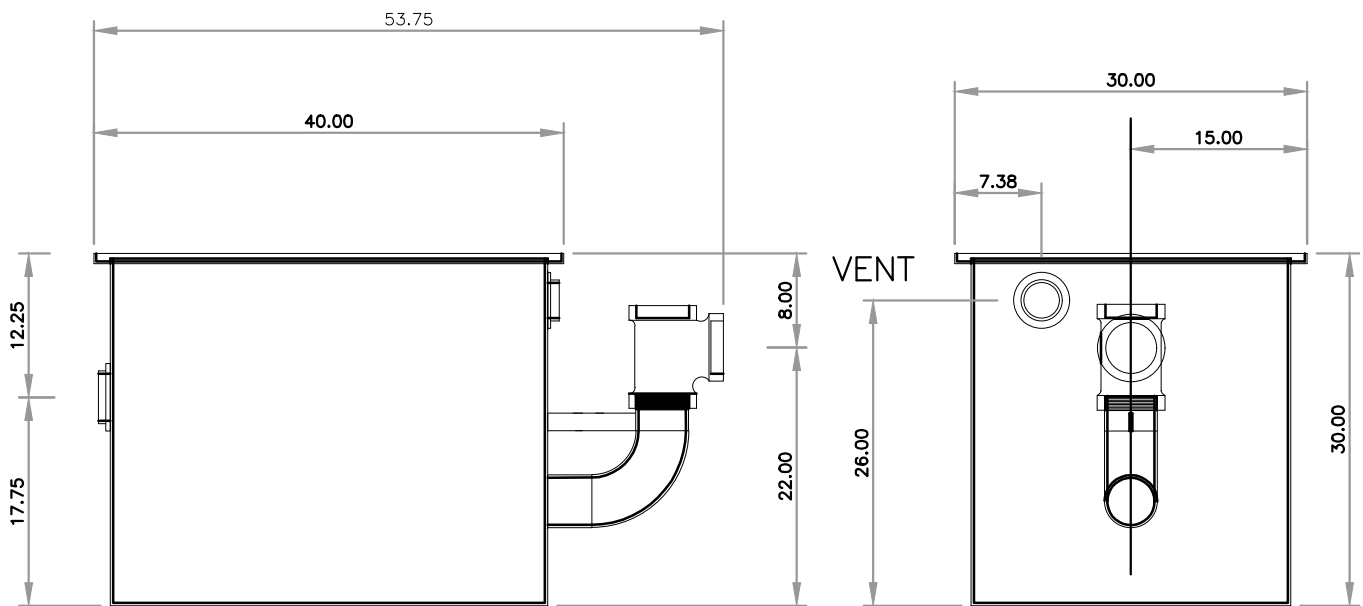
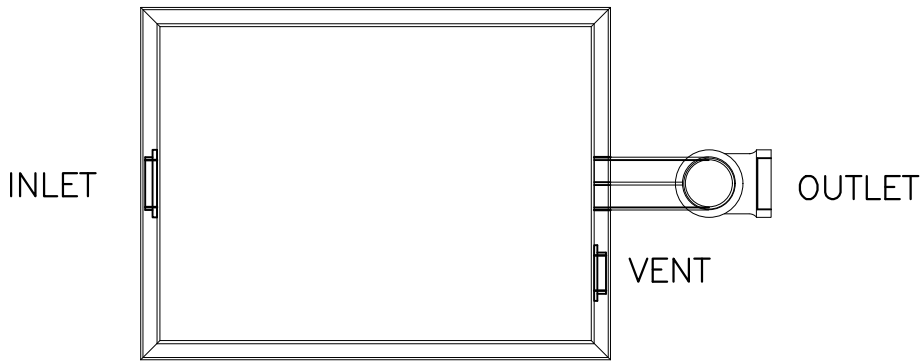
1. MINIMUM SIZE = 500 GALLON
2. CONCRETE = 28 DAY COMPRESSIVE STRENGTH = 4500 psi
3. DESIGN: ASTM C857-87 & C858-83 MINIMUM
4. LOADING: AASHTO HS-20
5. FILL w/ CLEAN WATER PRIOR TO START-UP OF SYSTEM

SIZING CHART						
GALLON CAPACITY	DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"
500	6'-0"	4'-0"	3'-0"	3'-2"	4'-0"	2'-6"
750	6'-0"	4'-0"	5'-0"	5'-2"	6'-0"	4'-0"
1000	6'-0"	4'-0"	6'-0"	6'-2"	7'-0"	5'-0"
1250	8'-0"	4'-0"	5'-3"	5'-5"	6'-6"	4'-3"
1500	8'-0"	4'-0"	6'-2"	6'-4"	7'-0"	5'-2"
1800	11'-0"	4'-0"	5'-6"	5'-8"	7'-0"	4'-6"
2000	12'-6"	6'-0"	4'-0"	4'-2"	5'-0"	3'-0"
2500	12'-6"	6'-0"	5'-0"	5'-2"	6'-0"	4'-0"
3000	12'-6"	6'-0"	6'-0"	6'-2"	7'-0"	5'-0"
3500	16'-0"	8'-0"	4'-0"	4'-2"	6'-0"	3'-0"
5000	16'-0"	8'-0"	5'-6"	5'-8"	7'-0"	4'-6"
5500	16'-0"	8'-0"	6'-0"	6'-2"	7'-0"	5'-0"



SAND/OIL SEPARATOR

DWG-19



INLET

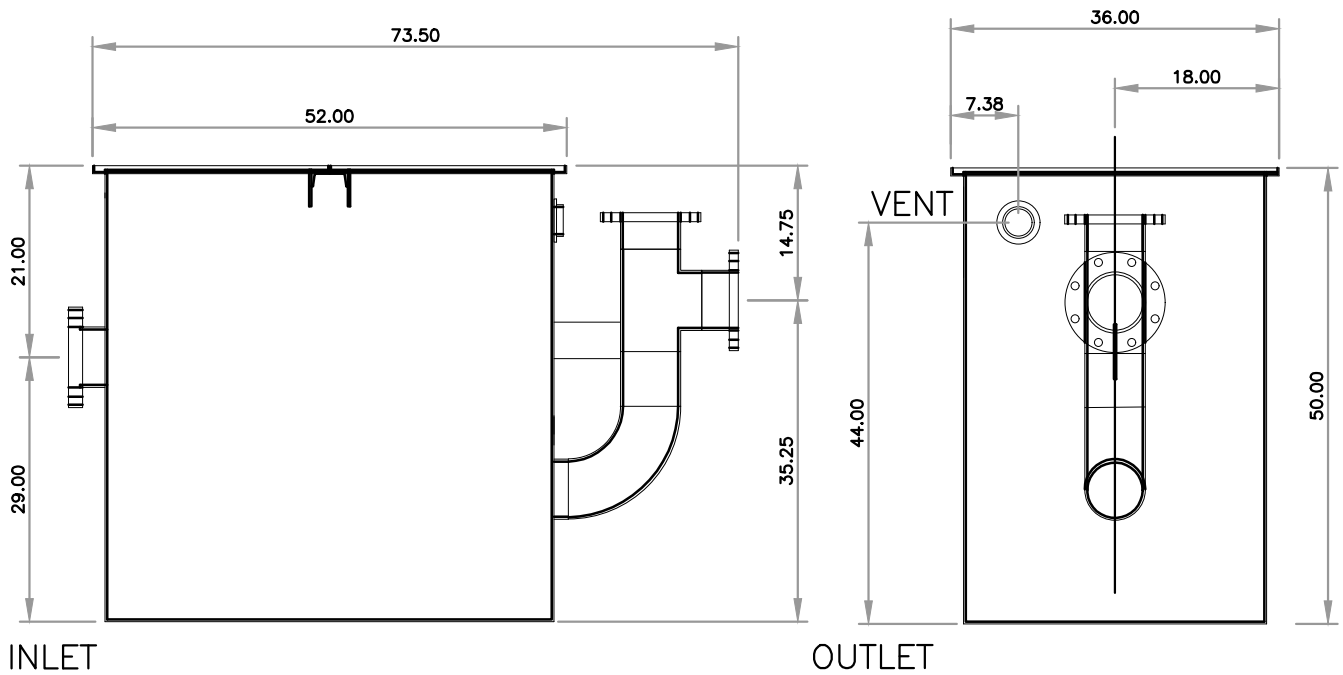
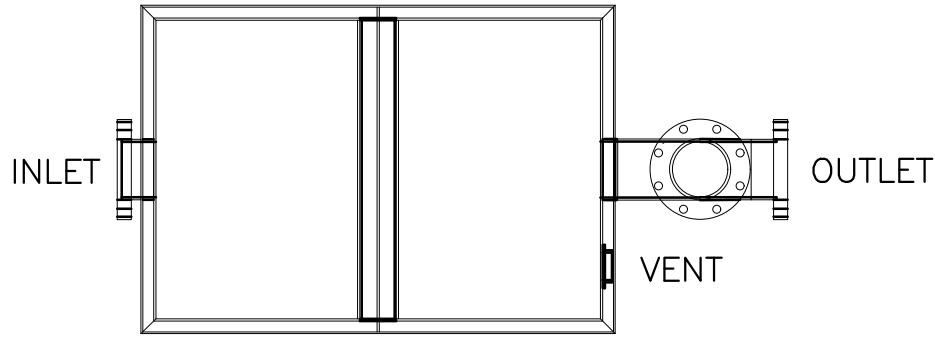
OUTLET

Specifications

All welded 1/4" steel separator, 85 gallon static capacity, 4.00" tapped inlet/outlet with 3.00" tapped internal vent connection, 250 lbs greasy sludge capacity, visible double-wall outside trap seal, separator plate and removeable filter screen, removeable 3/8" nonskid diamond treadplate covers for flush with floor installation suitable for pedestrian traffic secured with stainless flat head screws, heavy duty leak-proof gasket, OPEX Shop Coat coating inside and bituminous coating outside. Rockford Model GIS-50 or approved equivalent

GREASE SEPARATOR = 250 lbs.

DWG-20



Specifications

All welded 1/4" steel separator, 225 gallon static capacity, 6.00" companion flange inlet/outlet with 3.00" tapped internal vent connection, 500 lbs greasy sludge capacity, visible double-wall outside trap seal, separator plate and removeable filter screen, removable 3/8" nonskid diamond treadplate covers for flush with floor installation suitable for pedestrian traffic secured with stainless flat head screws, heavy duty leak-proof gasket, OPEX Shop Coat coating inside and bituminous coating outside. Rockford Model GIS-70 or approved equivalent

GREASE SEPARATOR = 500 lbs.

DWG-21