

AGENCY CIRCLE

$\Delta=04^{\circ}12'48''$
 $R=408.05'$
 $D=14.0414'$
 $T=15.01'$
 $L=30.01'$
 $C=N42^{\circ}30'46''E$
 $30.00'$

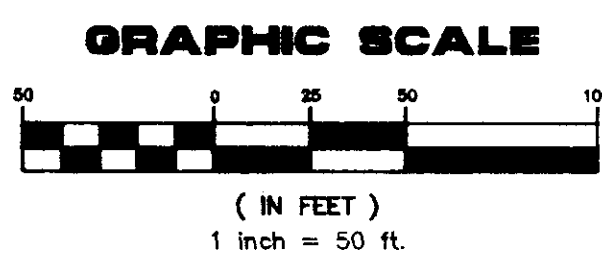
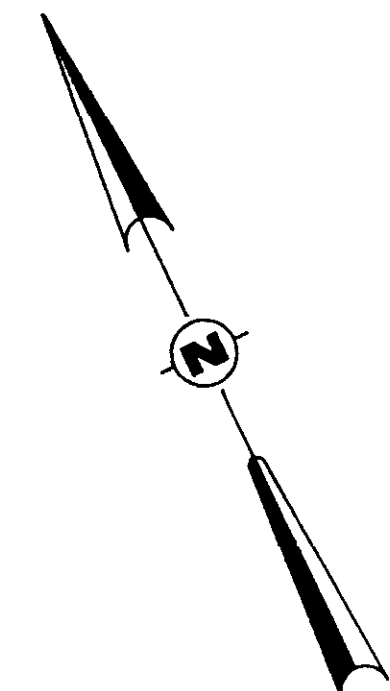
DINSMOR CROSSING

$\Delta=102^{\circ}14'53''$
 $R=413.57'$
 $D=13.8539'$
 $T=512.98'$
 $L=738.04'$
 $C=N24^{\circ}30'16''W$
 $643.93'$

Q CURVE DATA

Ⓐ $\Delta = 38^{\circ}03'04''$ R = 145.00' D = 39.14330' T = 50.00' L = 96.30'	Ⓑ $\Delta = 60^{\circ}55'52''$ R = 102.00' D = 56.17233' T = 60.00' L = 108.47'	Ⓒ $\Delta = 50^{\circ}41'32''$ R = 73.89' D = 77.54199' T = 35.00' L = 65.37'	Ⓓ $\Delta = 39^{\circ}57'58''$ R = 110.00' D = 52.08707' T = 40.00' L = 76.73'
Ⓔ $\Delta = 46^{\circ}23'50''$ R = 46.67' D = 122.76790' T = 20.00' L = 37.79'	Ⓕ $\Delta = 78^{\circ}34'44''$ R = 67.22' D = 85.23620' T = 55.00' L = 92.19'	Ⓖ $\Delta = 39^{\circ}42'38''$ R = 152.31' D = 37.61787' T = 55.00' L = 105.56'	

NOTE: PARCEL CONTAINS 6.259 ACRES OF LAND, MORE OR LESS



DRAWING NO. 13-13-REC

FIELD	REYNOLDS ENGINEERING, INC. POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885	PROJECT	PHASE 13 OF DINSMOR	LOCATION	GEOMETRIC LAYOUT	DATE	REVISION	BY	DRAWN BY: P.H.W.	SHEET
DATUM						7/1/93	REVISE LAYOUT & CURVE DATA	P.H.W.	DATE: 4/21/93 SCALE: 1"=50' BOOK: PAGE: PROJECT NO.: 91-034 (13)	2

Q CURVE DATA

A Δ = 38°03'04" R = 145.00' D = 39.14330' T = 50.00' L = 96.30'	B Δ = 60°55'52" R = 102.00' D = 56.17233' T = 60.00' L = 108.47'	C Δ = 50°41'32" R = 73.89' D = 77.54199' T = 35.00' L = 65.37'	D Δ = 39°57'58" R = 110.00' D = 52.08707' T = 40.00' L = 76.73'
E Δ = 46°23'50" R = 46.67' D = 122.76790' T = 20.00' L = 37.79'	F Δ = 78°34'44" R = 67.22' D = 85.23620' T = 55.00' L = 92.19'	G Δ = 39°42'38" R = 152.31' D = 37.61787' T = 55.00' L = 105.56'	

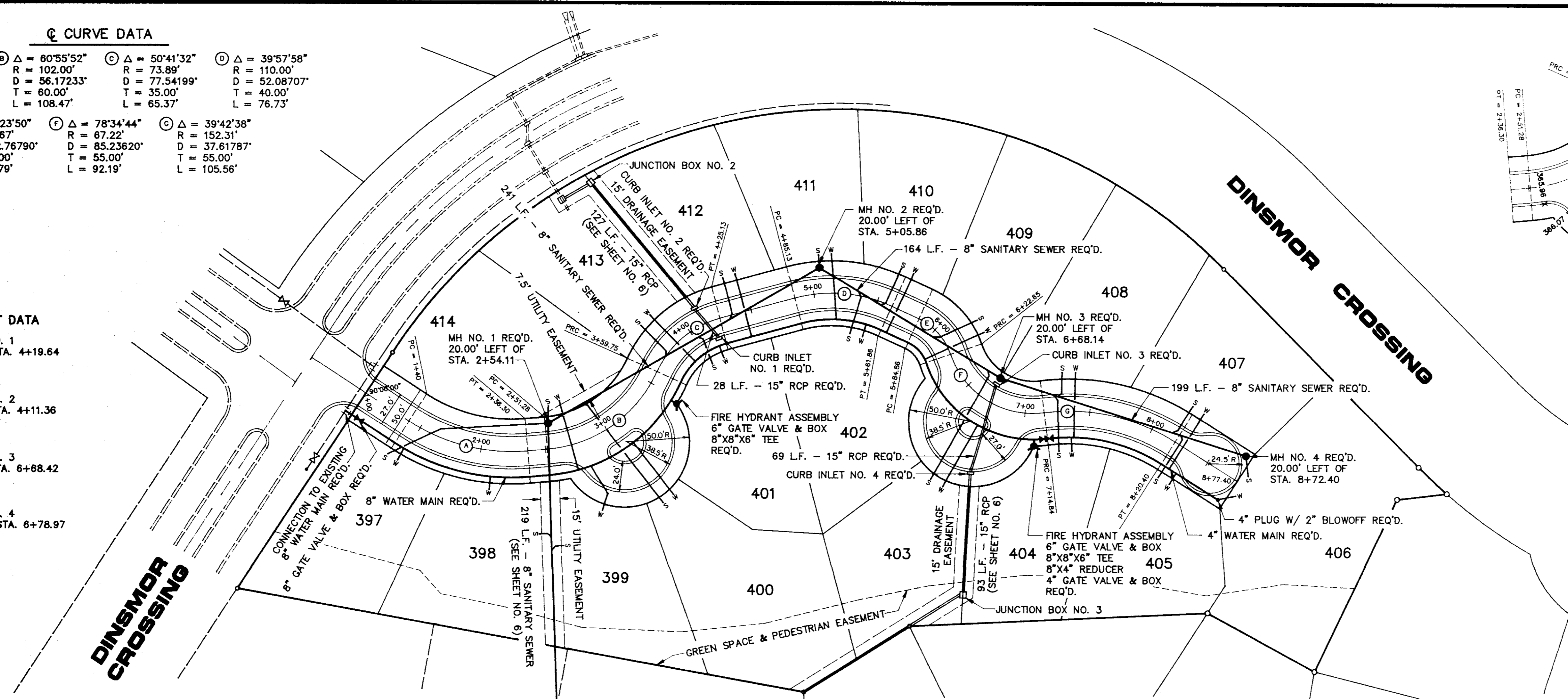
CURB INLET DATA

CURB INLET NO. 1
13.5' RT. OF STA. 4+19.64
D.A.=0.81 AC.
Q=2.7 CFS

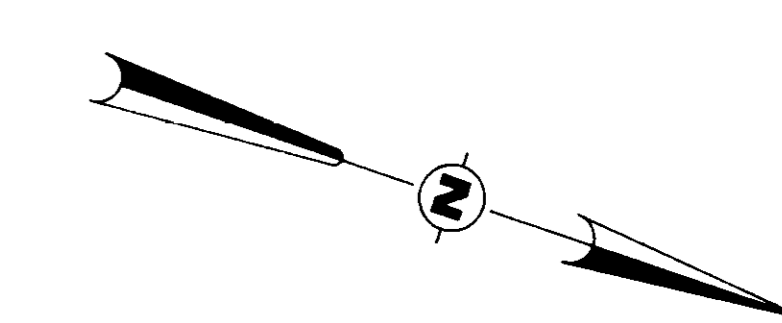
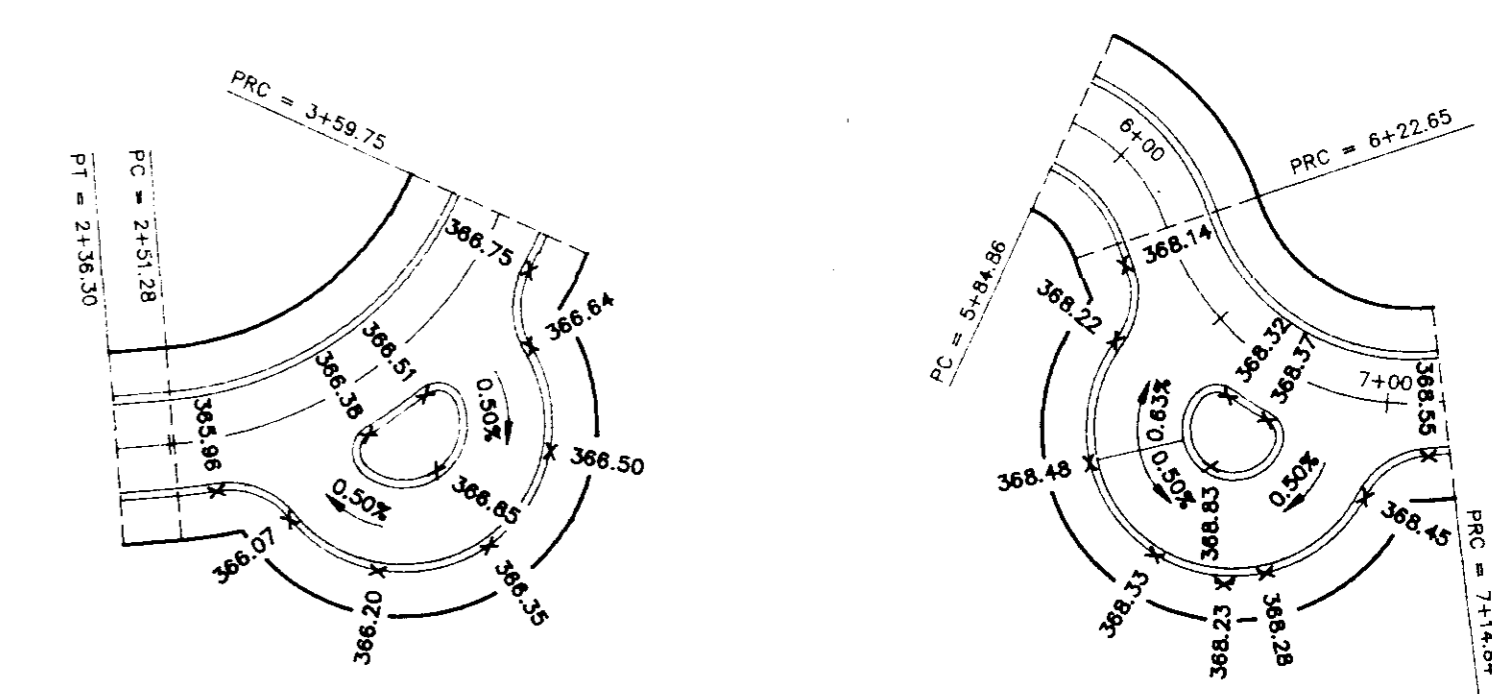
CURB INLET NO. 2
13.5' LT. OF STA. 4+11.36
D.A.=1.5 AC.
Q=6.8 CFS

CURB INLET NO. 3
13.5' LT. OF STA. 6+88.42
D.A.=0.69 AC.
Q=3.1 CFS

CURB INLET NO. 4
54.81' RT. OF STA. 6+78.97
D.A.=1.3 AC.
Q=5.8 CFS



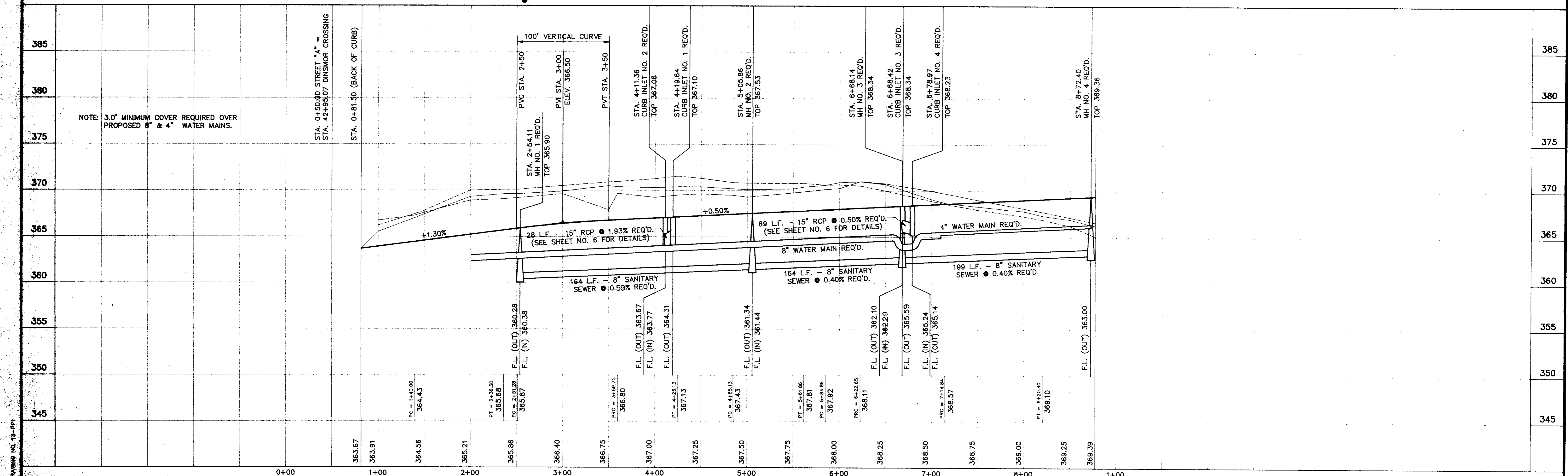
CUL-DE-SAC GRADING DETAILS



STREET "A"

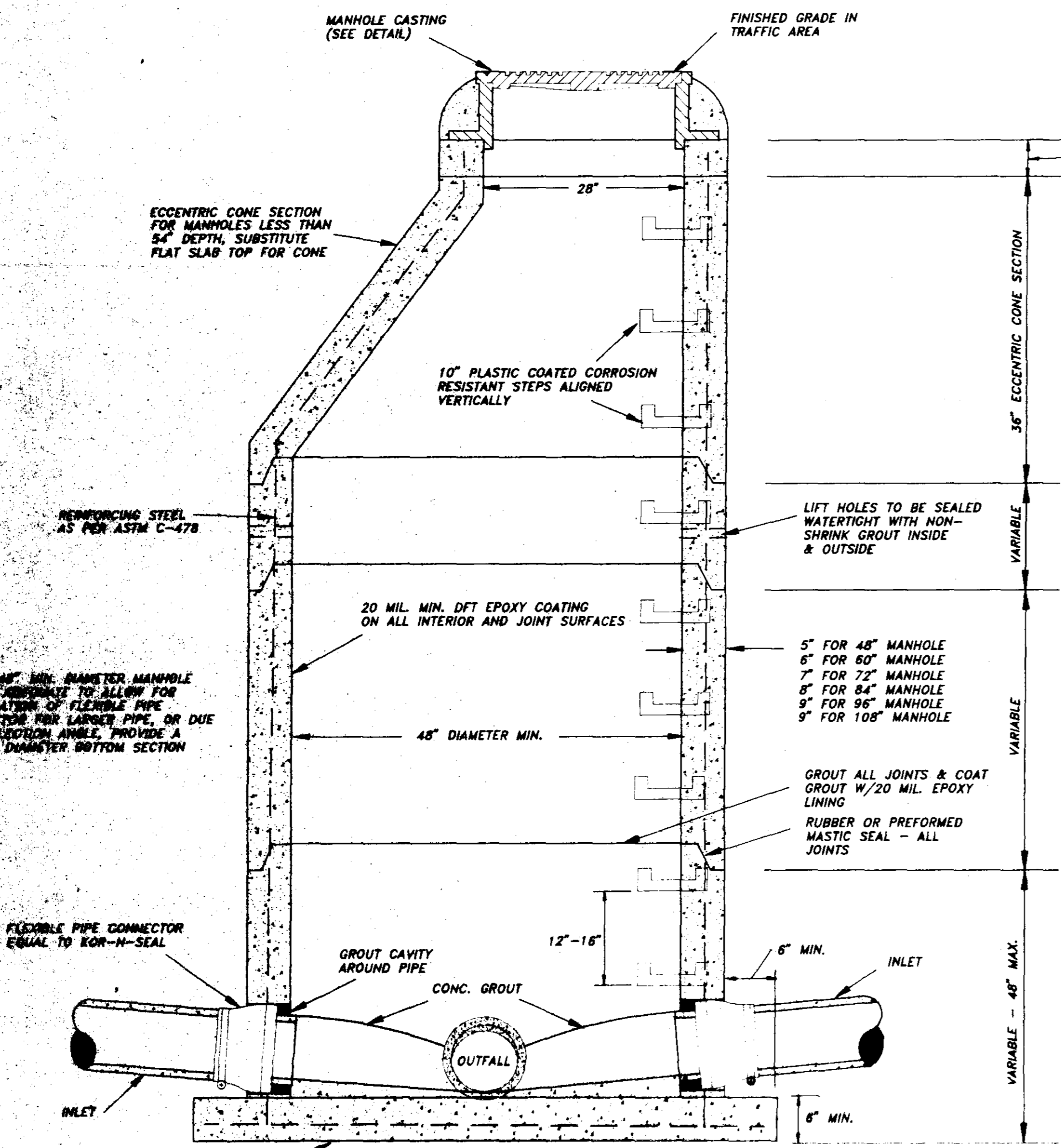
EXISTING GROUND - CENTERLINE
EXISTING GROUND - 25' LEFT
EXISTING GROUND - 25' RIGHT

NOTE: CURB RETURN RADII - R=20.0' (BACK OF CURB)

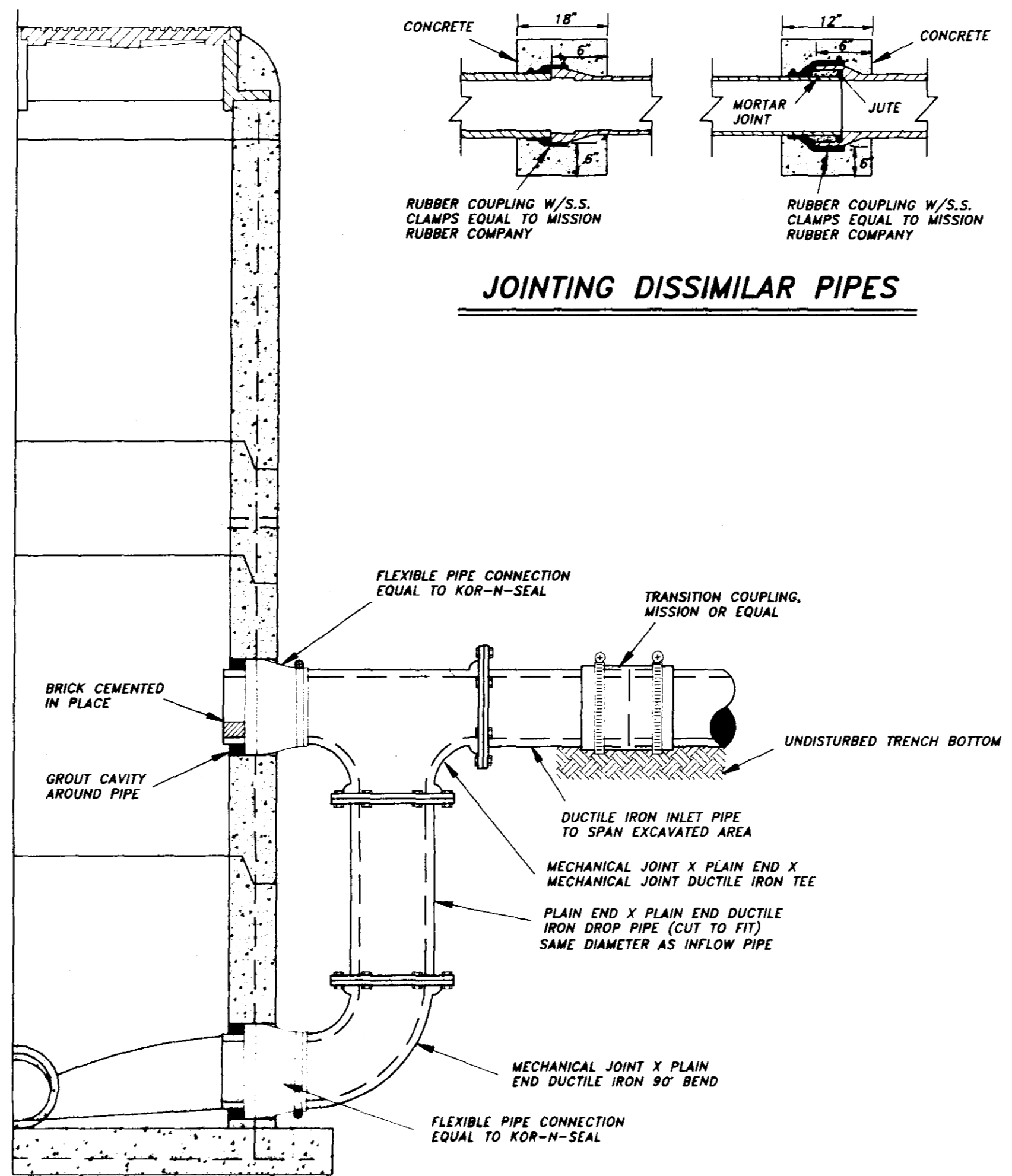


DRAWING NO. 13-PP1

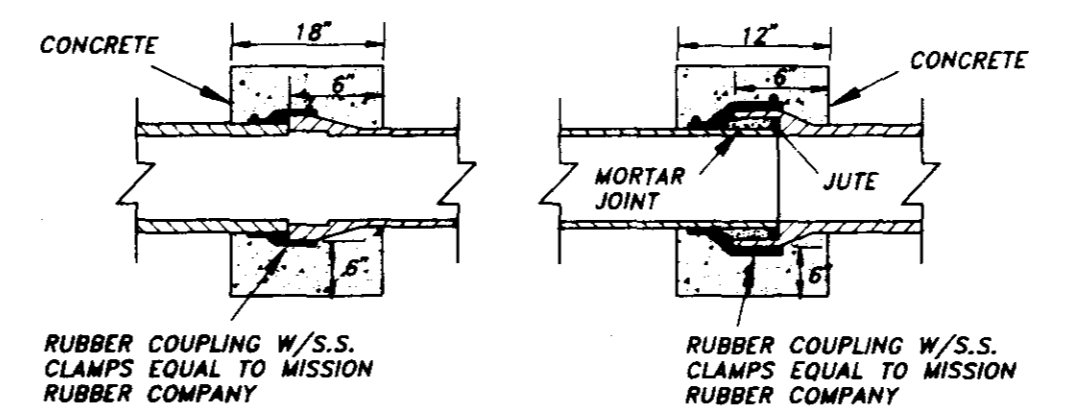
FIELD	PROJECT	LOCATION	DATE	REVISION	BY	DRAWN BY: P.H.W.	SHEET
DATUM	REYNOLDS ENGINEERING, INC. POST OFFICE BOX 526 JACKSON, MISSISSIPPI 39205 601-362-4885	PHASE 13 OF DINSMOR STREET "A" - STA. 0+50 TO STA. 8+77.40				DATE: 7/2/93 HORIZ.: 1"=50' / VERT.: 1"=5' BOOK: 681 PAGE: 41-46 PROJECT NO.: 91-034 (13)	5



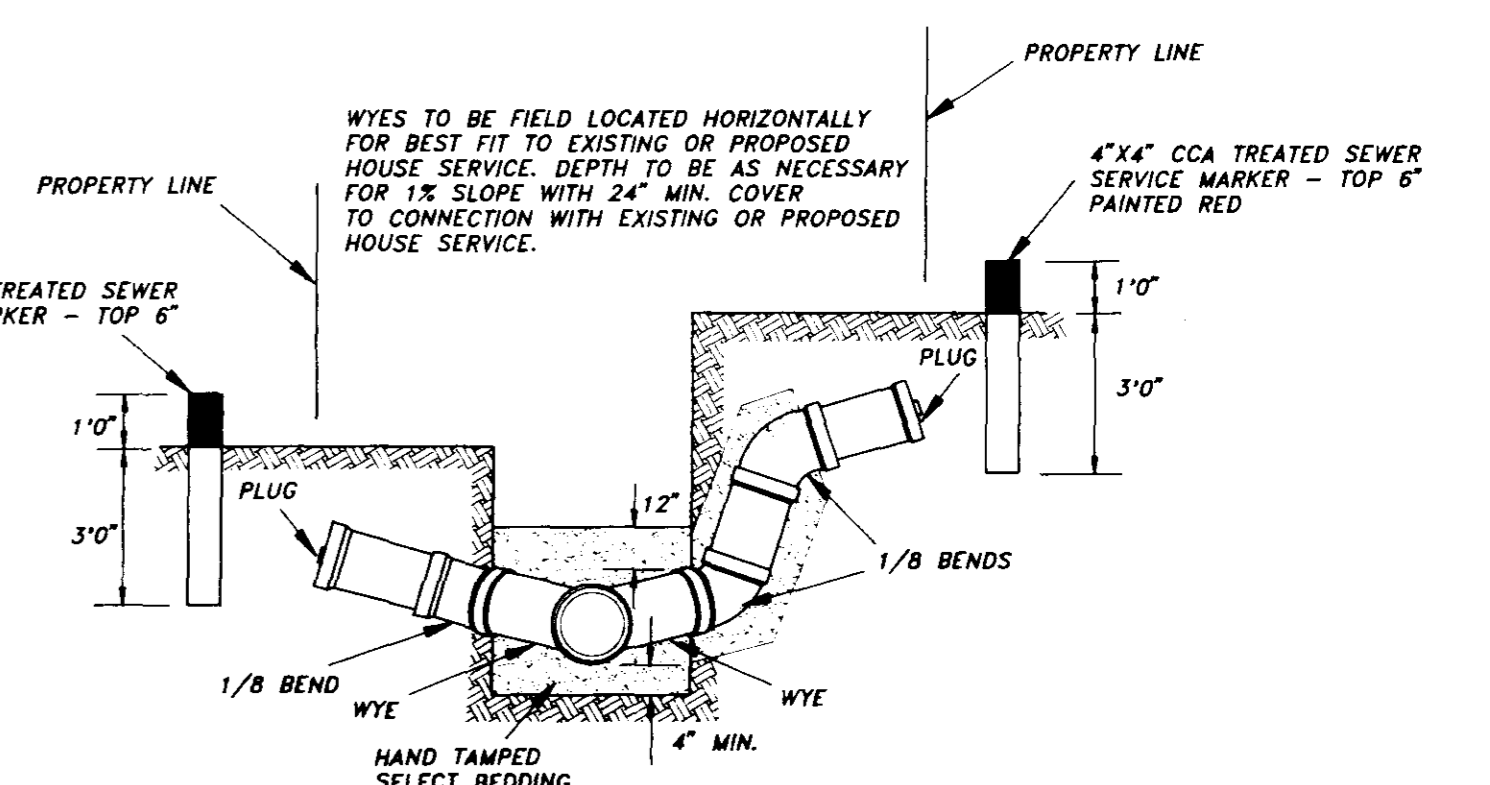
SECTION PRECAST CONCRETE MANHOLE



SECTION PRECAST CONCRETE MANHOLE WITH DROP CONNECTION

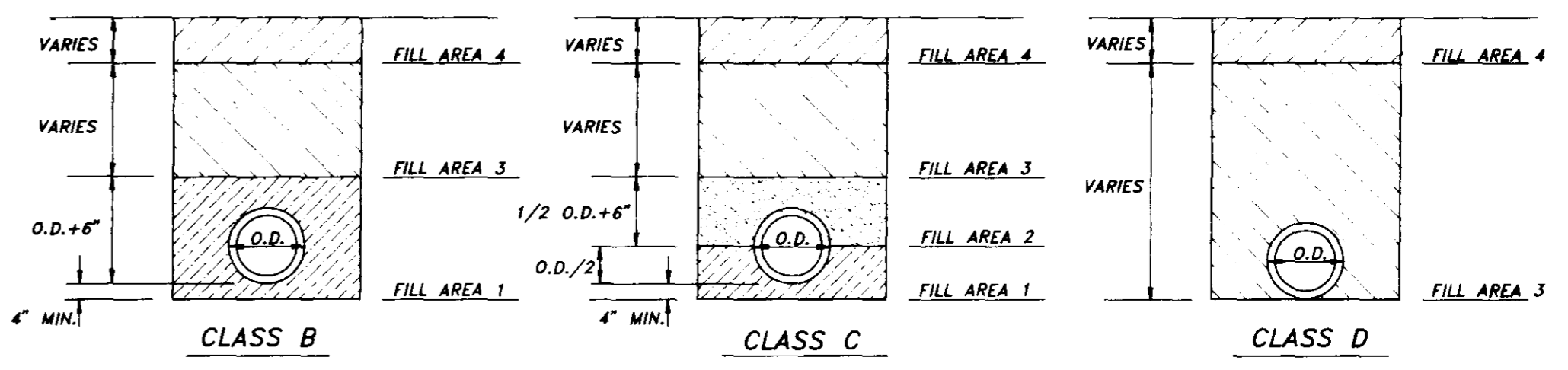


JOINTING DISSIMILAR PIPES

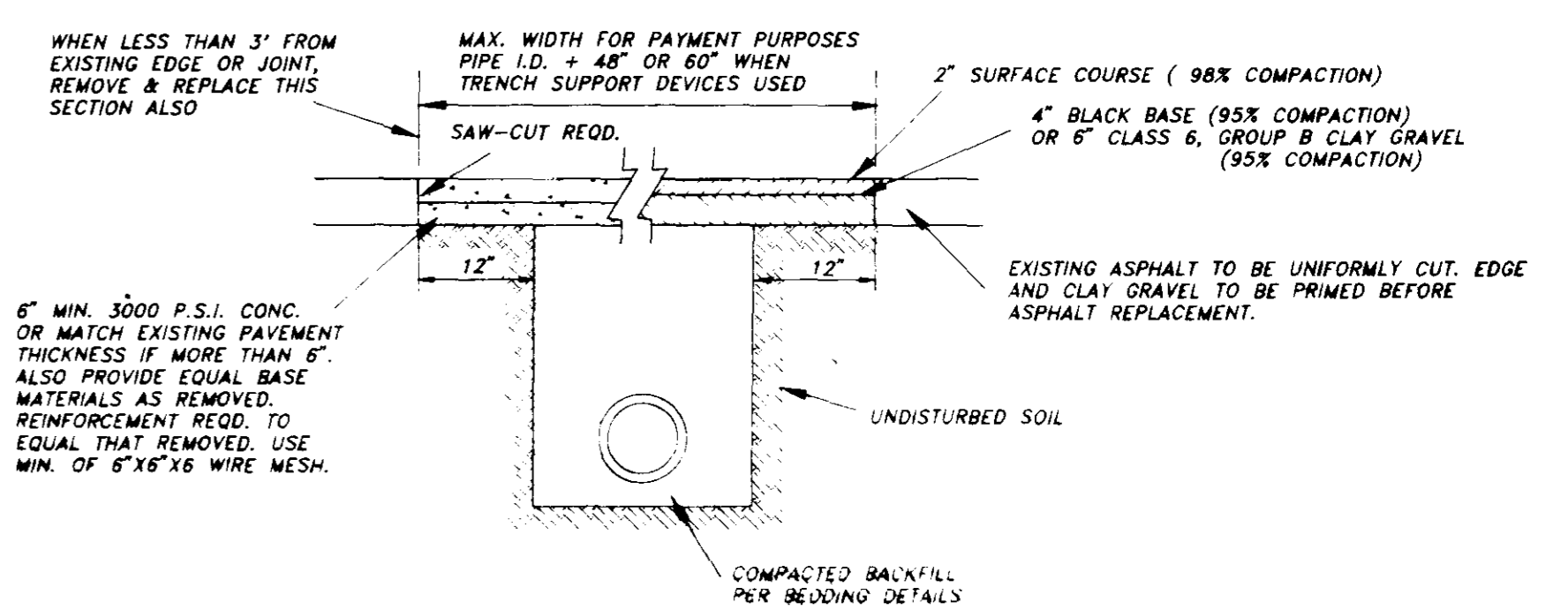


TYPICAL SERVICE CONNECTIONS

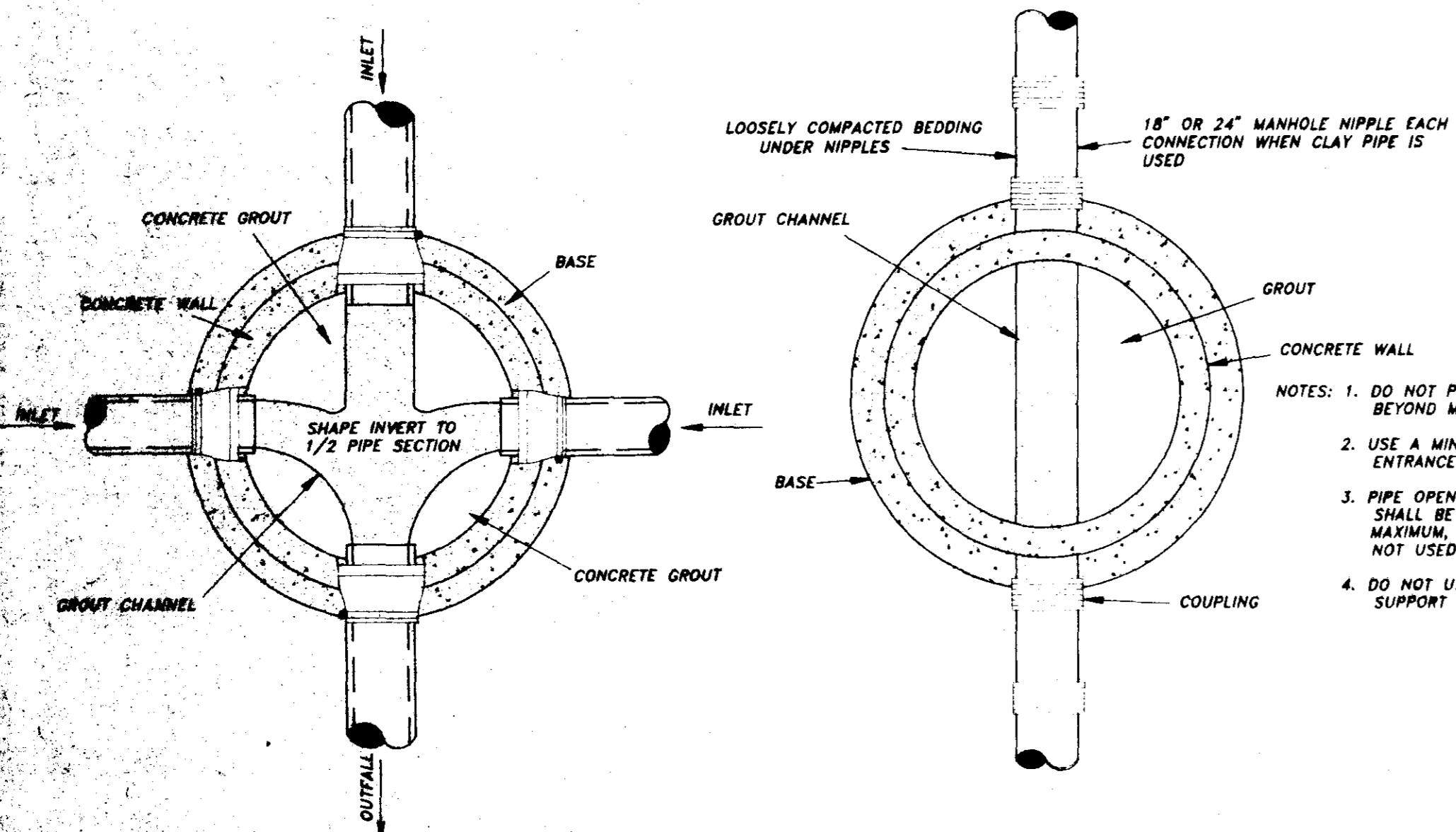
FILL AREA 1 (all locations) - 6" MAXIMUM LOOSE LIFTS, HAND OR MECHANICALLY TAMPED TO 95% DENSITY.
 FILL AREA 2 (all locations) - 6" MAXIMUM LOOSE LIFTS, HAND OR MECHANICALLY TAMPED TO 95% DENSITY.
 FILL AREA 3 (select locations) - 12" MAXIMUM LOOSE LIFTS MECHANICALLY TAMPED TO 95% DENSITY.
 FILL AREA 4 - SEE PAVEMENT REPLACEMENT DETAIL FOR PAVED AREAS. AT OTHER LOCATIONS BRING FILL AREA 3 TO SURFACE.



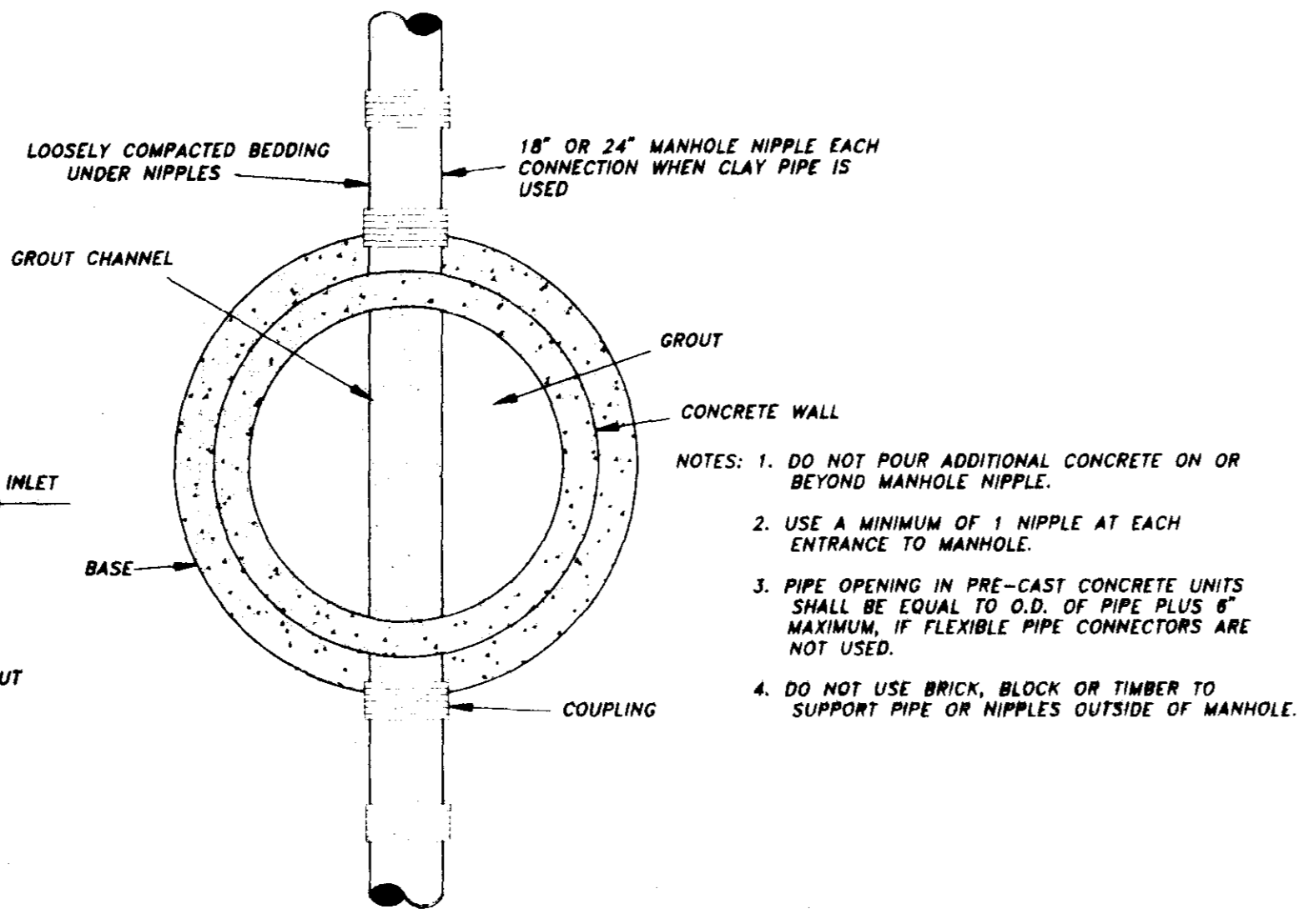
BEDDING / BACKFILLING DETAILS



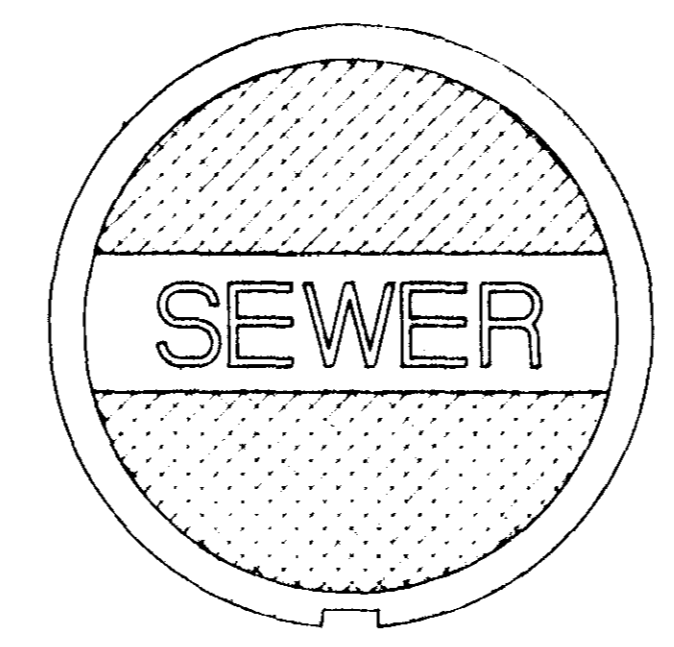
REMOVAL & REPLACEMENT OF EXISTING PAVEMENT



MANHOLE FLOW CHANNELS DETAIL

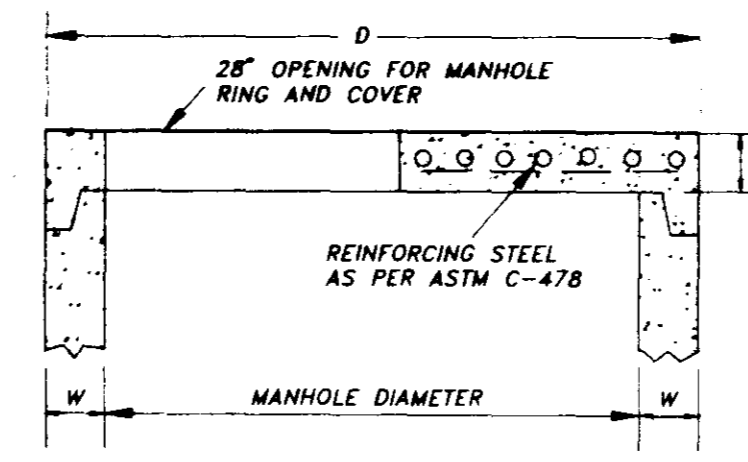
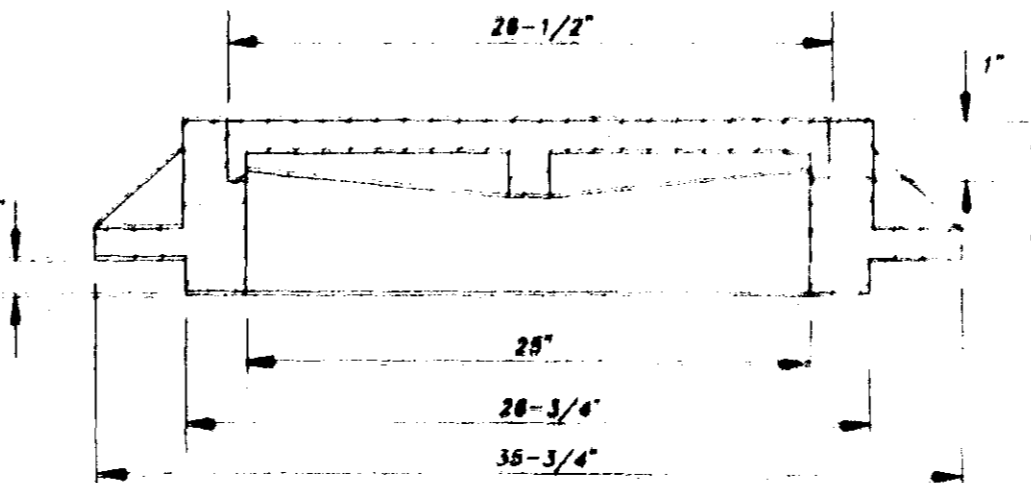


TYPICAL CLAY PIPE CONNECTION TO MANHOLE



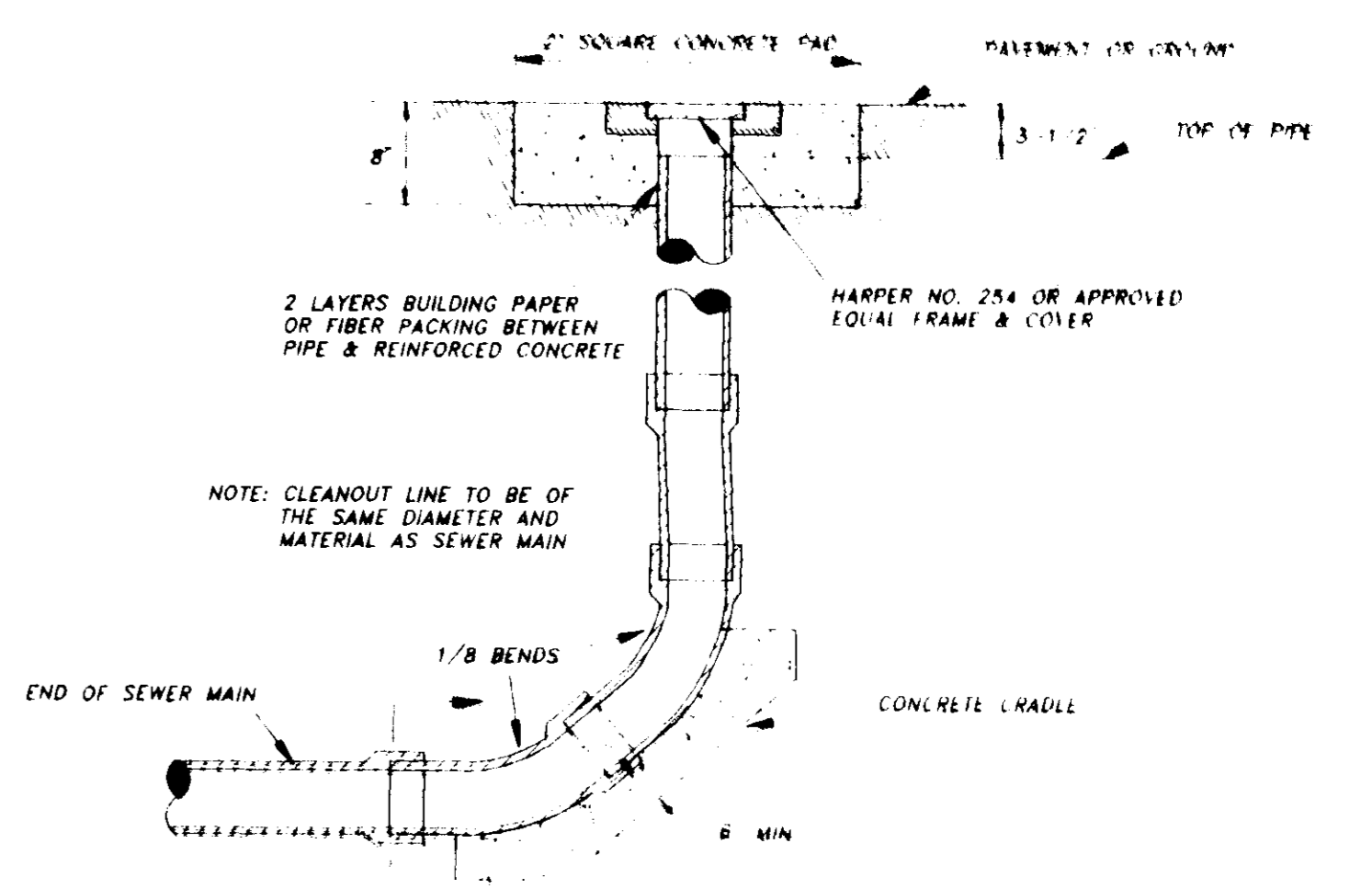
MANHOLE CASTING DETAILS

NOTE: MANHOLE RING & COVER TO BE HEAVY DUTY VULCAN V-1213 OR APPROVED EQUAL.

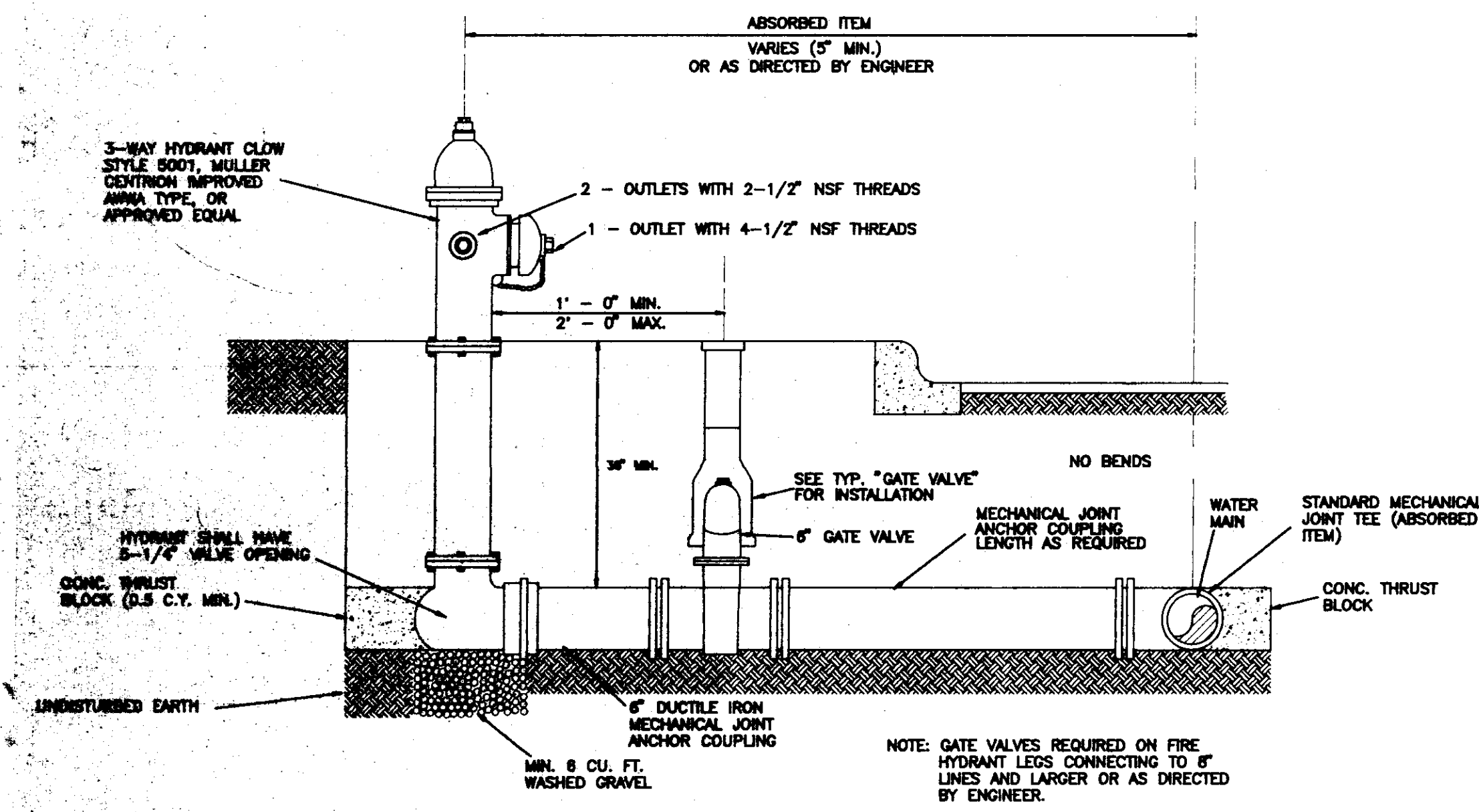


FLAT SLAB MANHOLE TOP

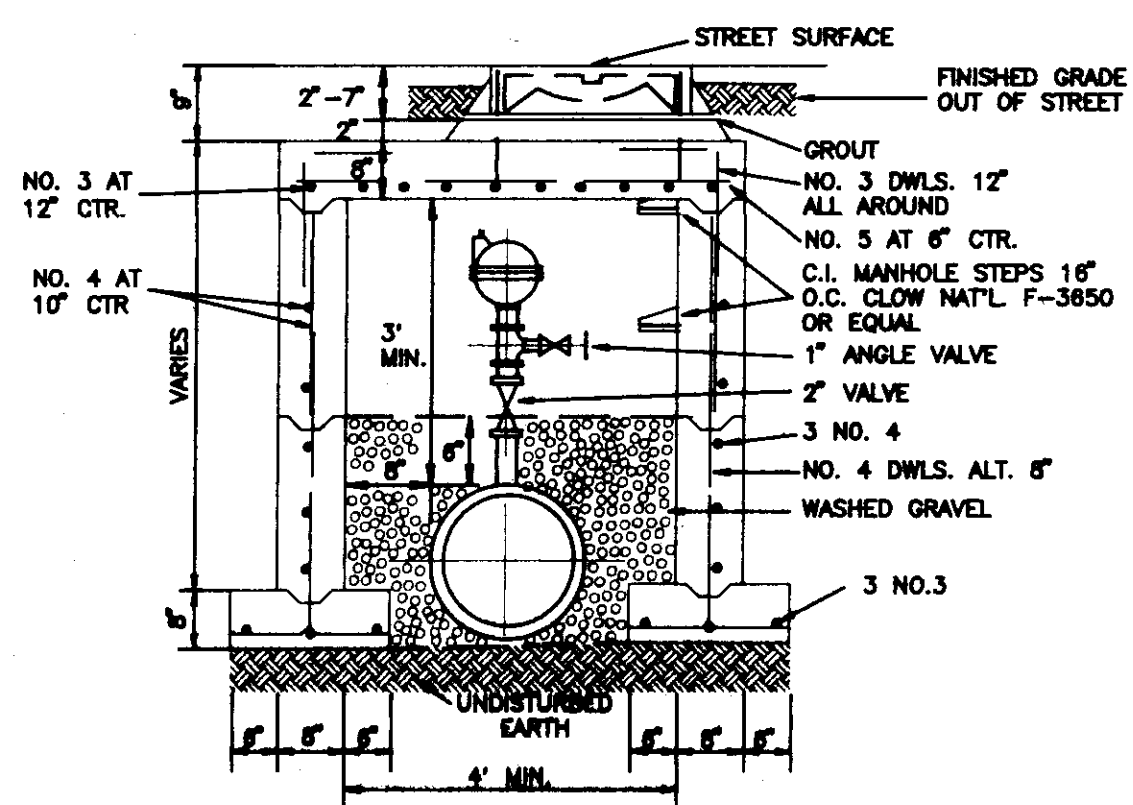
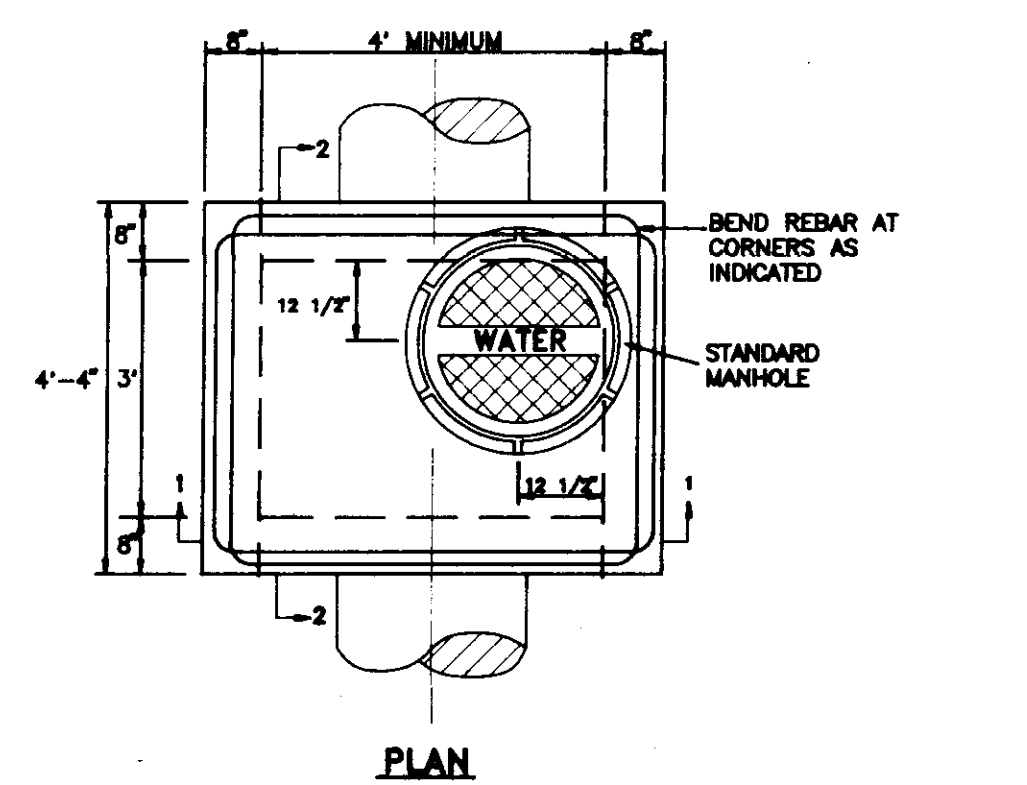
PIPE DIAMETER	W	D	T
48"	5"	58"	6"
60"	5"	72"	6"
72"	7"	86"	6"
84"	8"	100"	6"
96"	8"	114"	6"
108"	10"	128"	6"



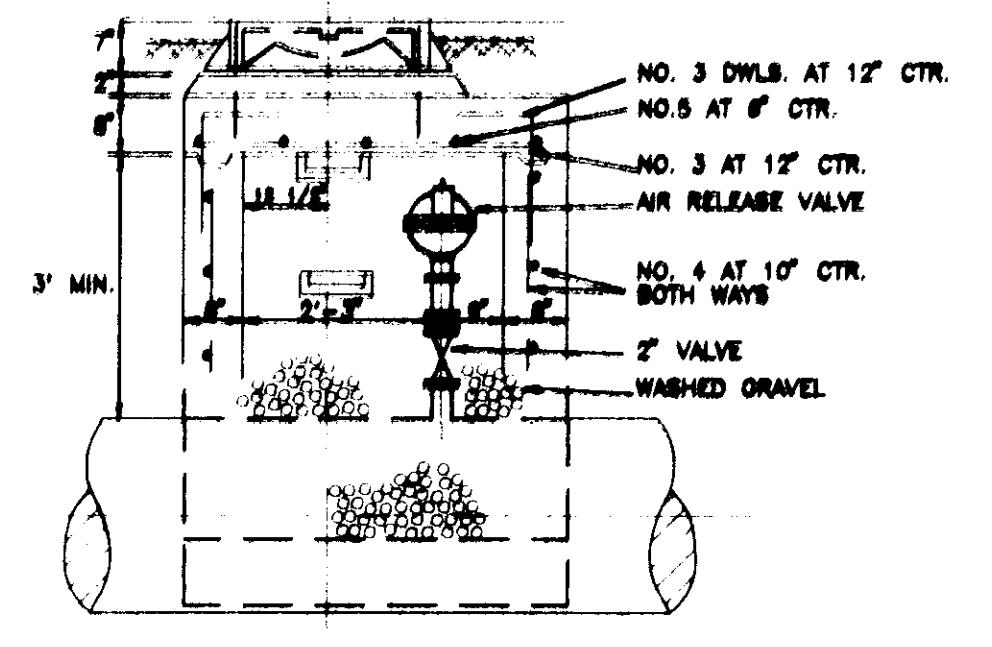
TERMINAL CLEANOUT



FIRE HYDRANT ASSEMBLY



SECTION 1-1

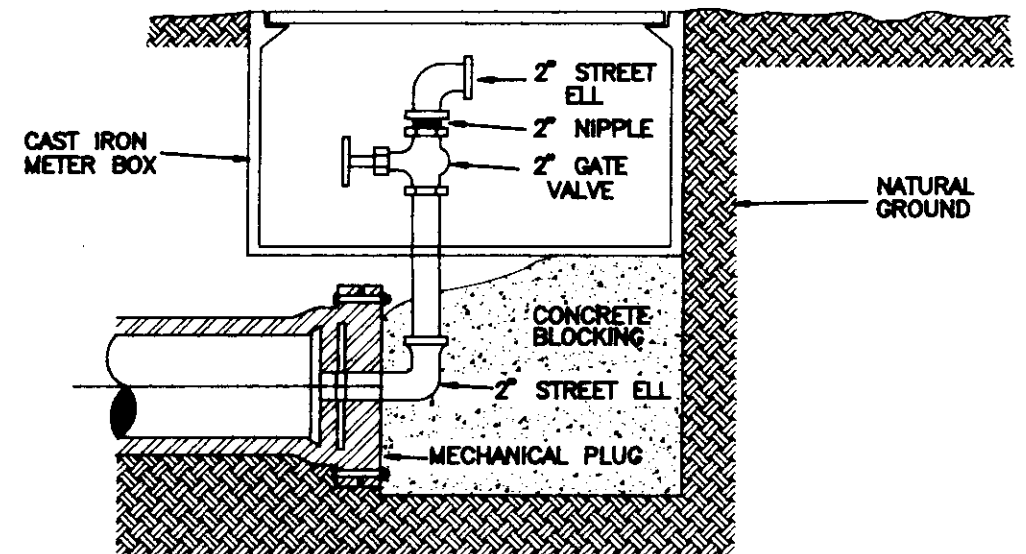


SECTION 2-2

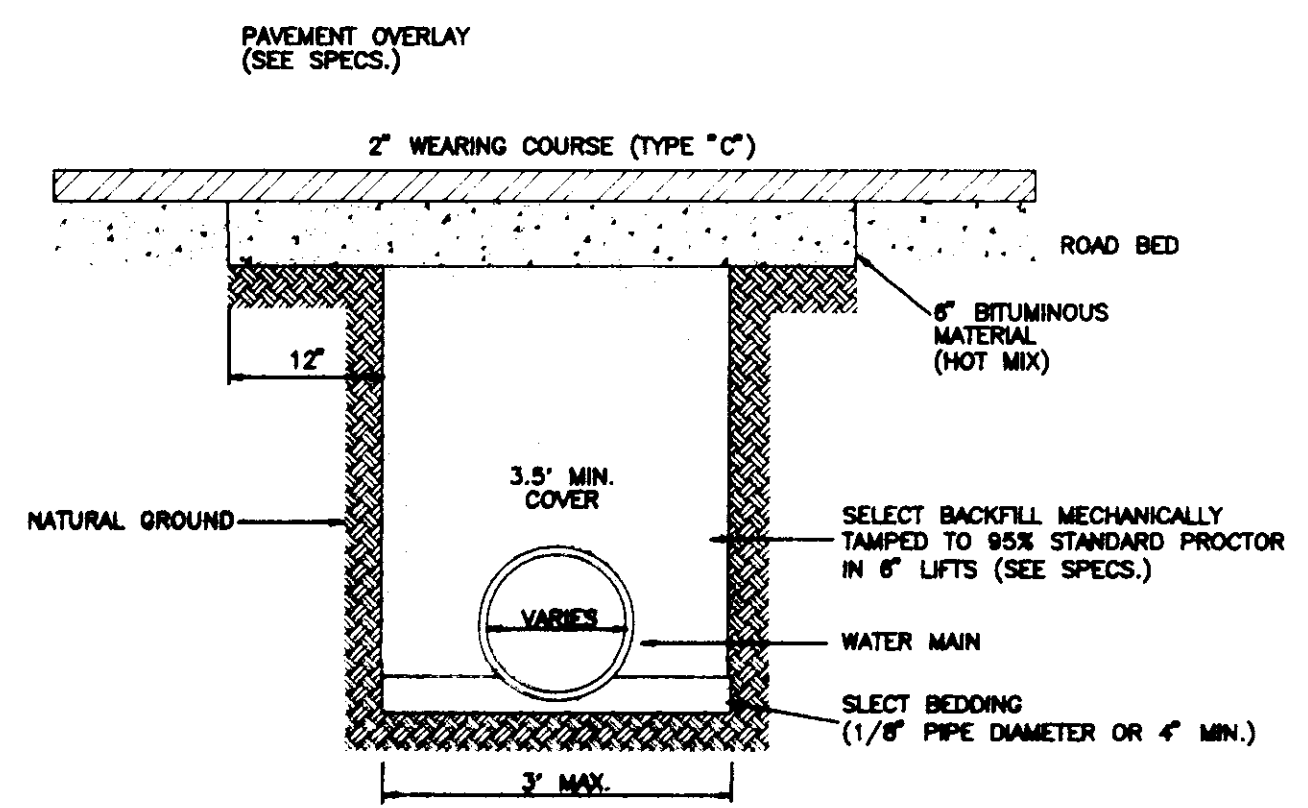
NOTE: STANDARD 4" (FOUR FOOT) PRECAST
CONCRETE MANHOLE USED IN LIEU
OF TYPICAL SECTION.

**TYPICAL AIR RELEASE VALVE
AND MANHOLE**

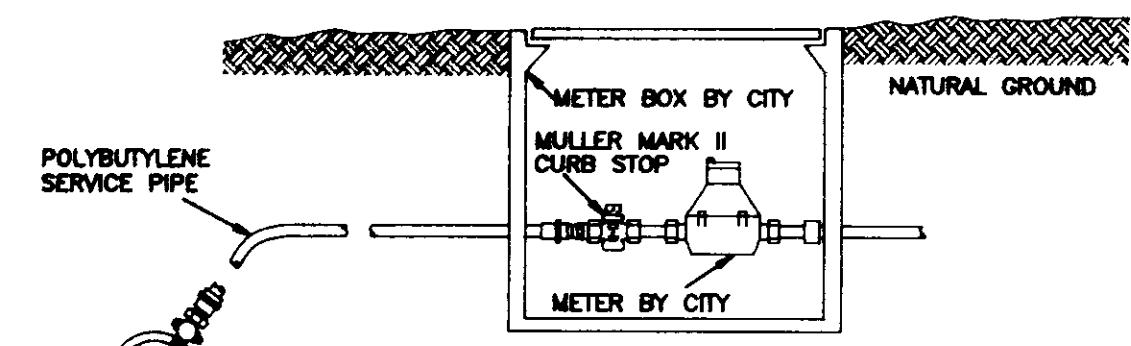
NOTE: ALL MATERIALS FOR CONSTRUCTION
OF BLOW-OFF ASSEMBLY SHALL BE
OF 2" GALVANIZED FITTINGS & PIPE.
2" GATE VALVE CONSTRUCTED OF BRASS.



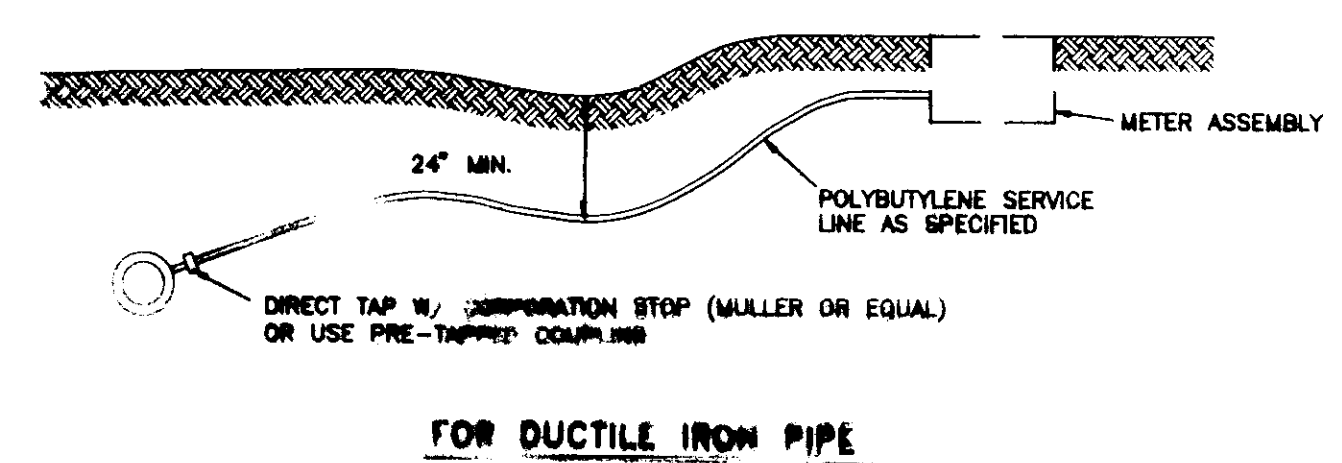
TYPICAL BLOW-OFF ASSEMBLY



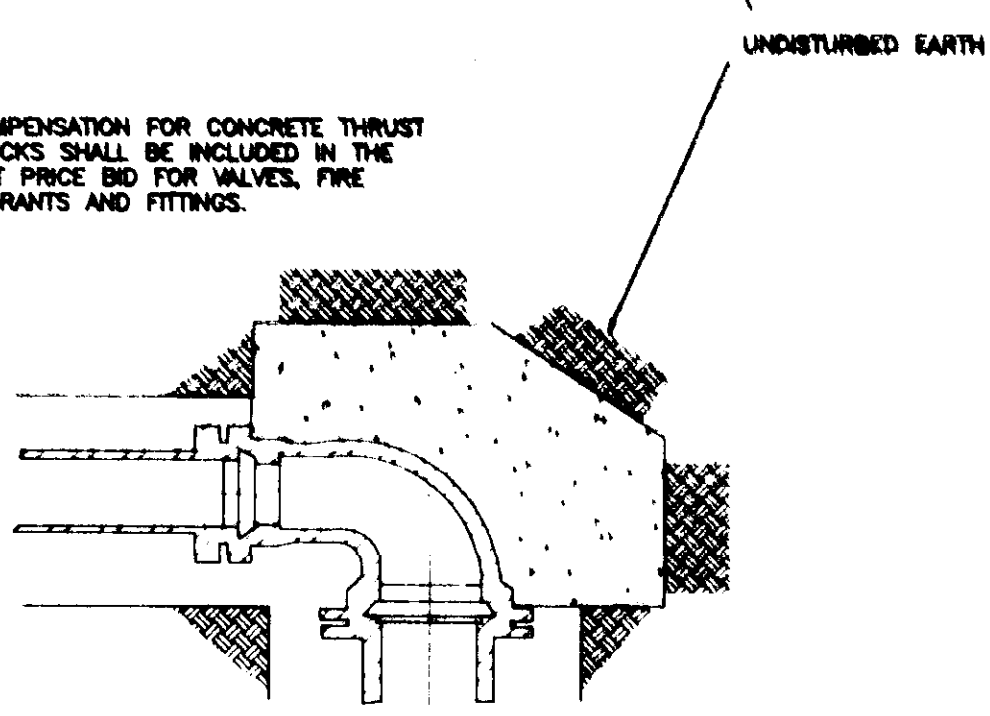
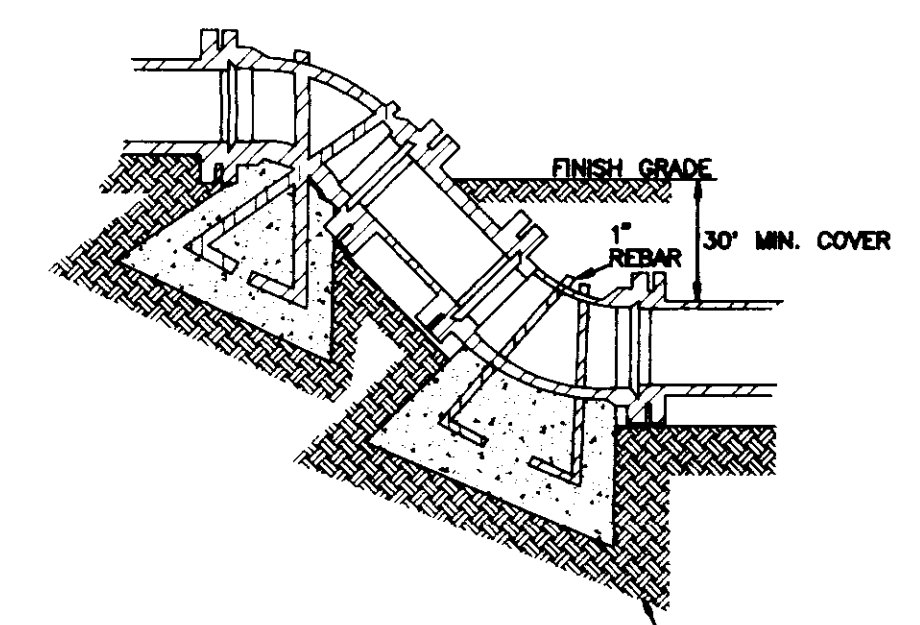
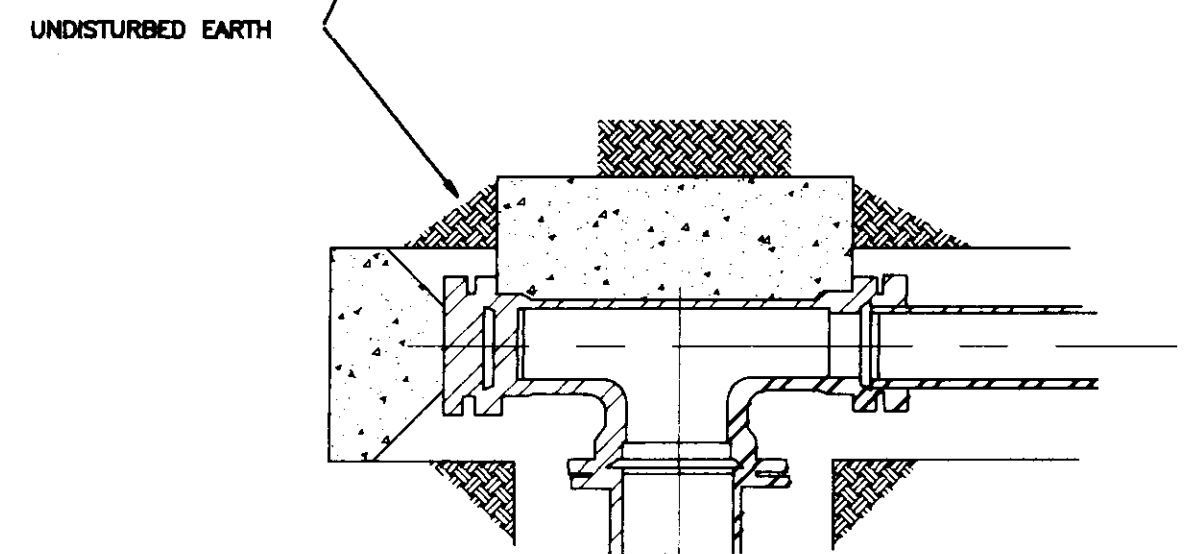
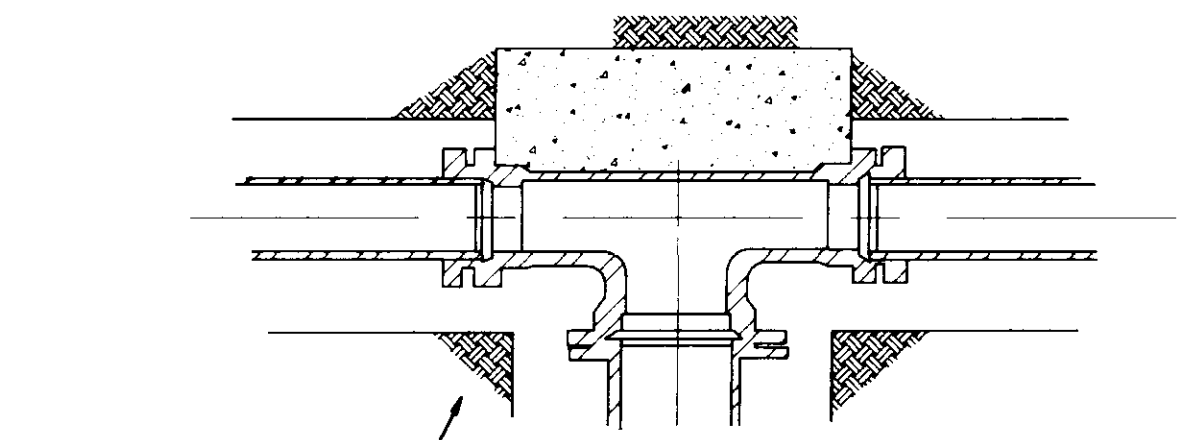
TYPICAL STREET REPAIR



TYPICAL SERVICE ASSEMBLY



FOR DUCTILE IRON PIPE



**TYPICAL BLOCKING ON WATER MAIN
(3000 PSI CONCRETE REQUIRED)**

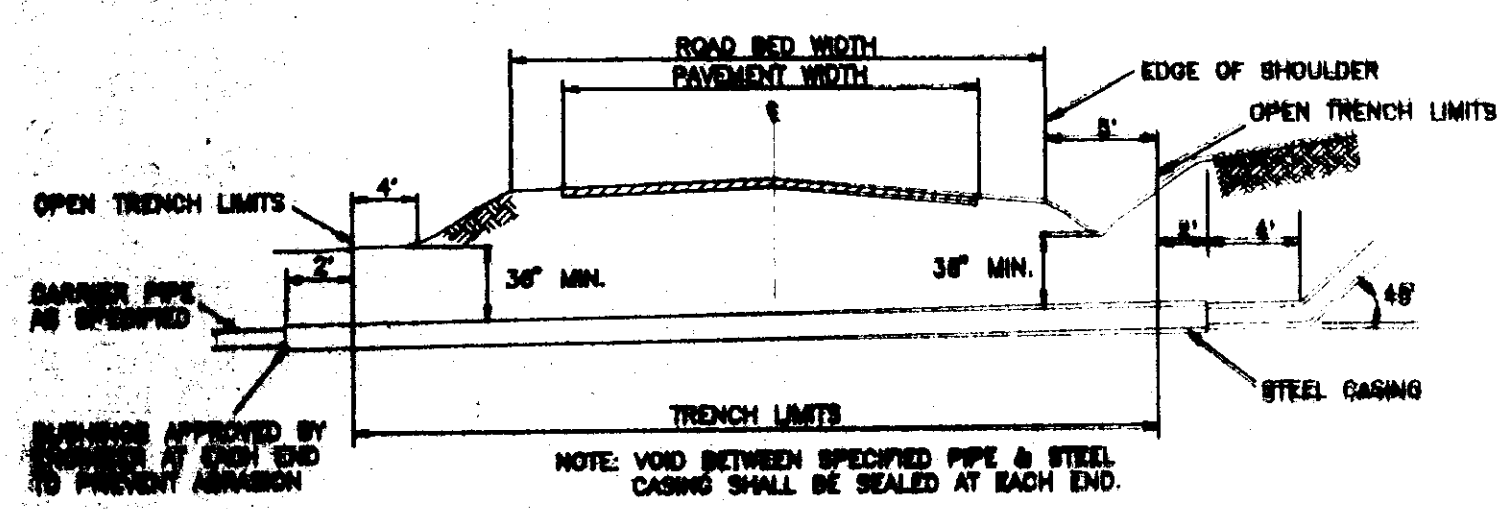
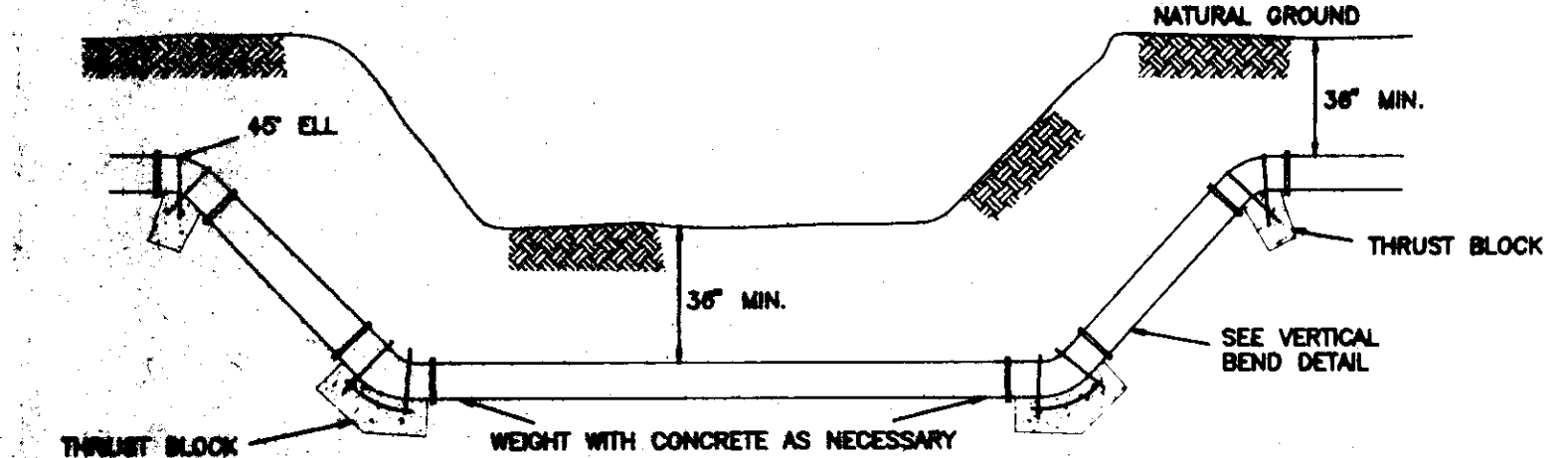
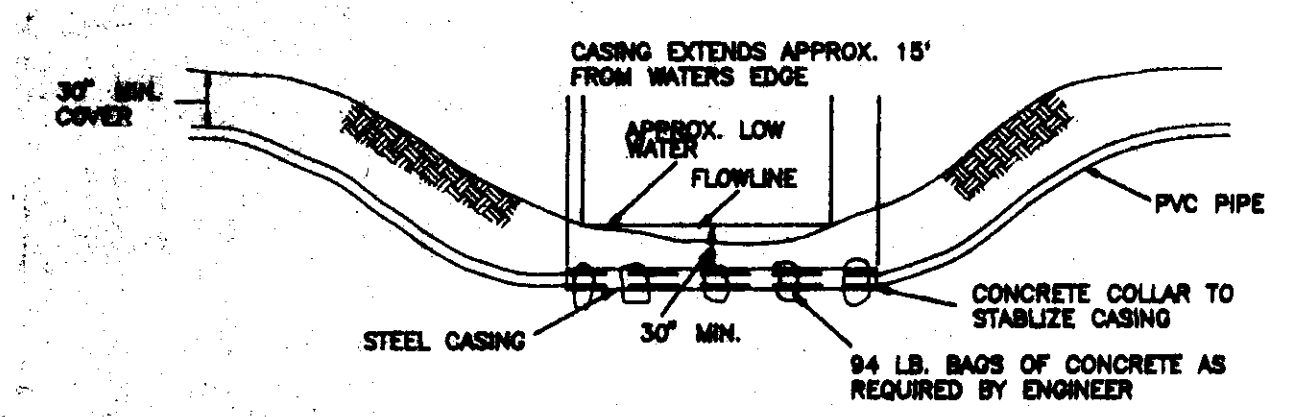
BEARING AREA IN SQ. FT.

MINIMUM PIPE DIAMETER (IN.)	DEAD-END VALVE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4	2.0	2.0	2.0	2.0	2.0
6	3.0	3.0	3.0	3.0	3.0
8	4.0	4.0	4.0	4.0	4.0
10	5.0	5.0	5.0	5.0	5.0
12	6.0	6.0	6.0	6.0	6.0
14	7.0	7.0	7.0	7.0	7.0
16	8.0	8.0	8.0	8.0	8.0
18	9.0	9.0	9.0	9.0	9.0
20	10.0	10.0	10.0	10.0	10.0
22	11.0	11.0	11.0	11.0	11.0
24	12.0	12.0	12.0	12.0	12.0
26	13.0	13.0	13.0	13.0	13.0
28	14.0	14.0	14.0	14.0	14.0
30	15.0	15.0	15.0	15.0	15.0

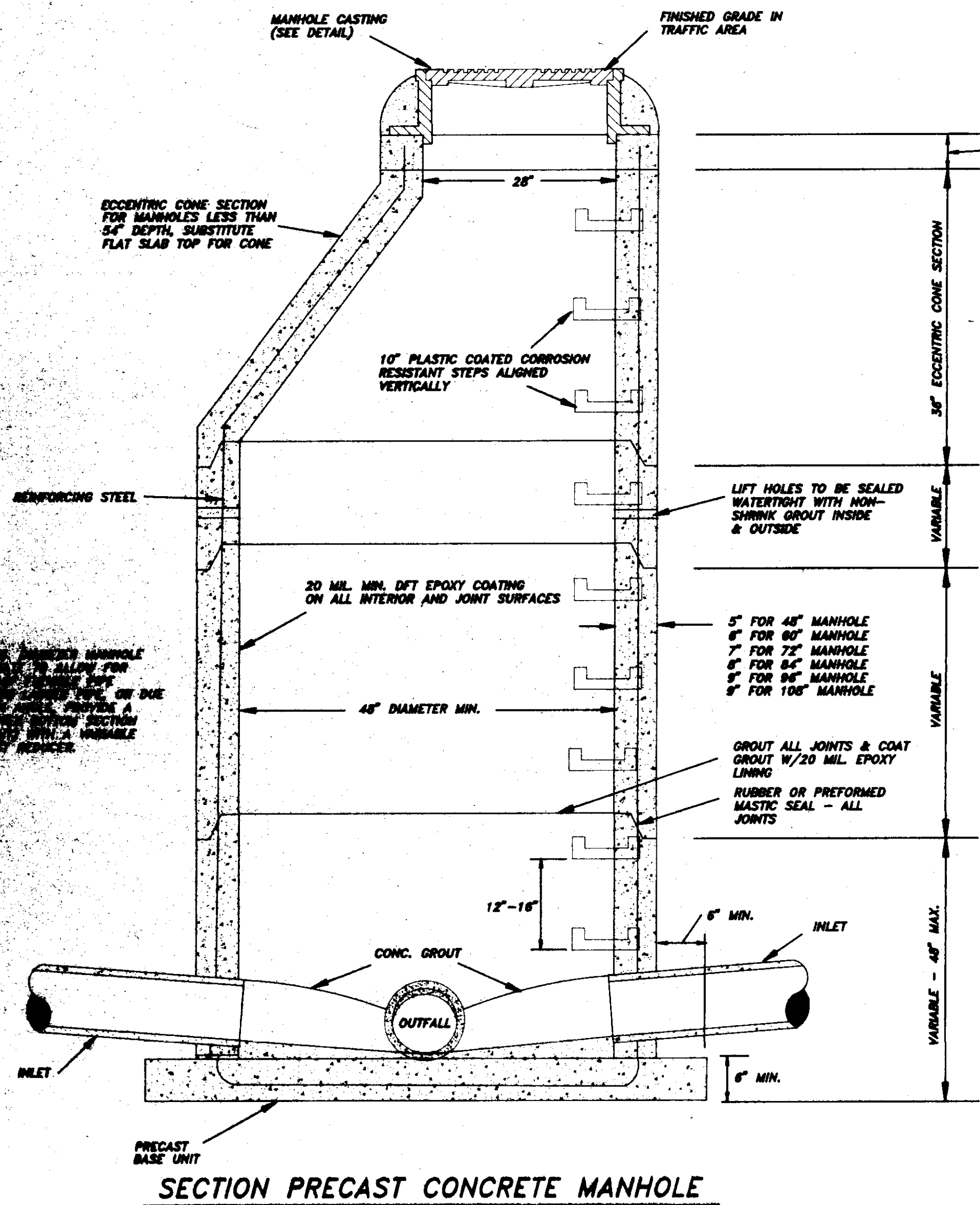
VERTICAL BENDS

MINIMUM PIPE DIAMETER (IN.)	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4	2.0	2.0	2.0	2.0
6	3.0	3.0	3.0	3.0
8	4.0	4.0	4.0	4.0
10	5.0	5.0	5.0	5.0
12	6.0	6.0	6.0	6.0
14	7.0	7.0	7.0	7.0
16	8.0	8.0	8.0	8.0
18	9.0	9.0	9.0	9.0
20	10.0	10.0	10.0	10.0
22	11.0	11.0	11.0	11.0
24	12.0	12.0	12.0	12.0
26	13.0	13.0	13.0	13.0
28	14.0	14.0	14.0	14.0
30	15.0	15.0	15.0	15.0

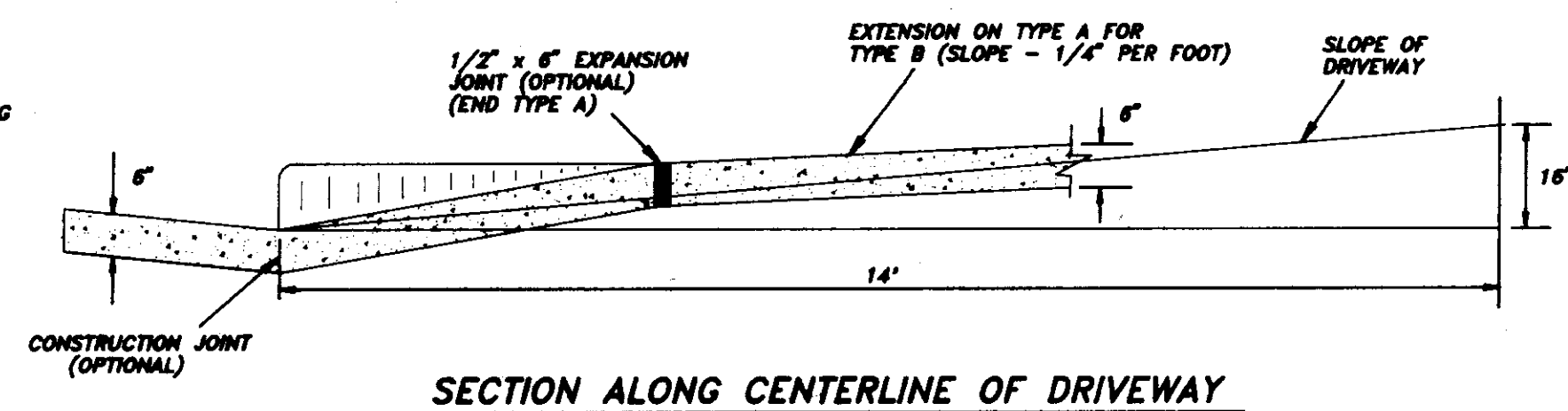
VALVES & BENDS BEARING AREA (SQ. FT.)



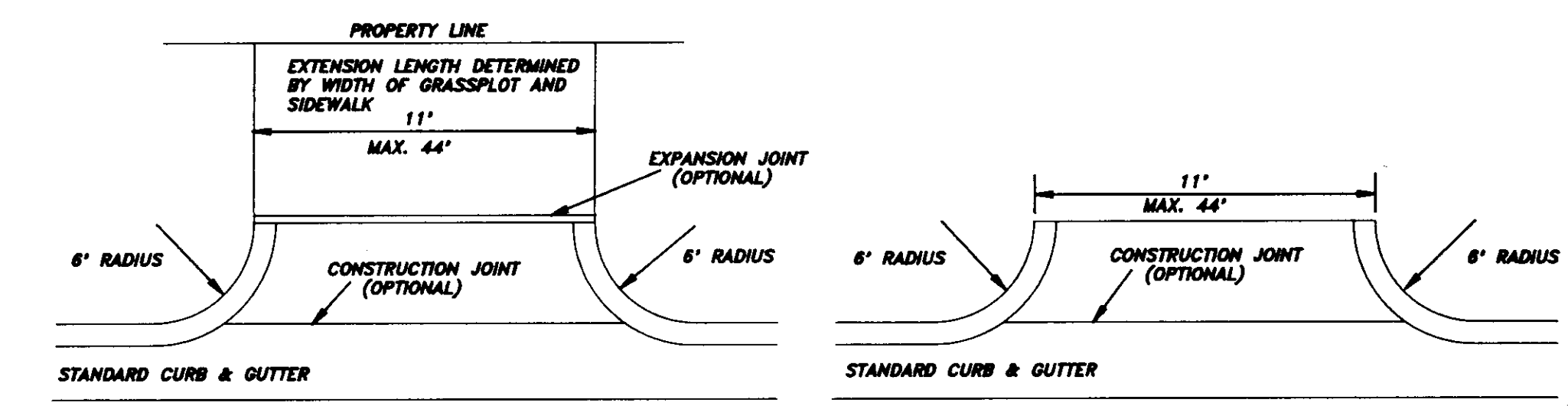
NOTE: TAPS SHALL BE CORPORATION STOP
OR USE PRE-TAPPED COUPLERS
PER
SERVICE LINE SHALL END AT METER BOX



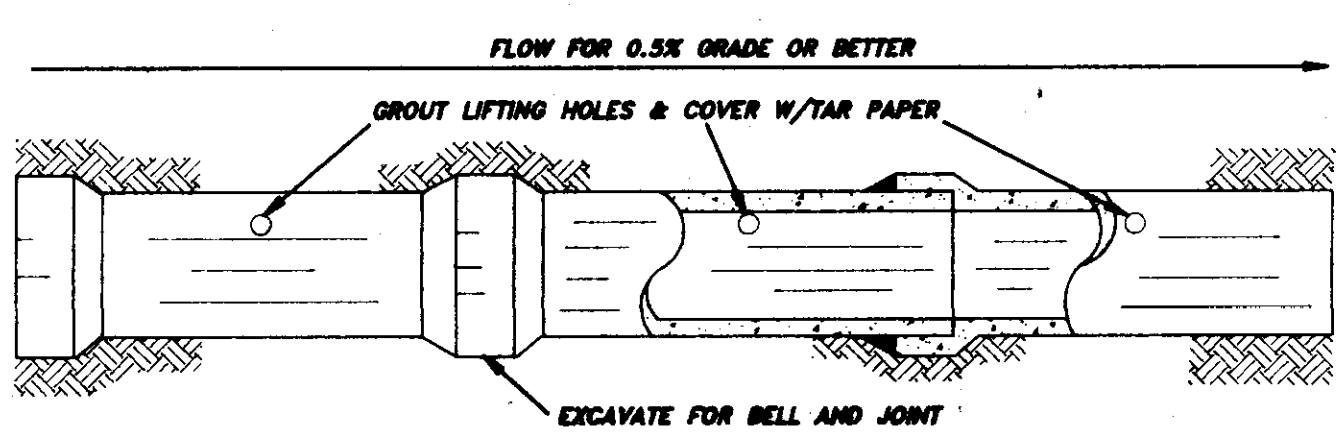
SECTION PRECAST CONCRETE MANHOLE



SECTION ALONG CENTERLINE OF DRIVEWAY



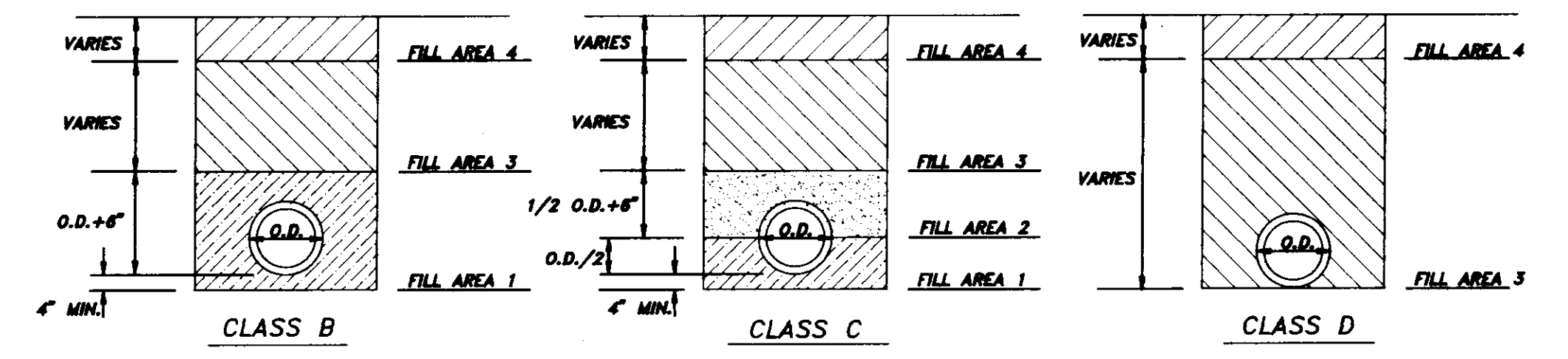
STANDARD DRIVEWAYS



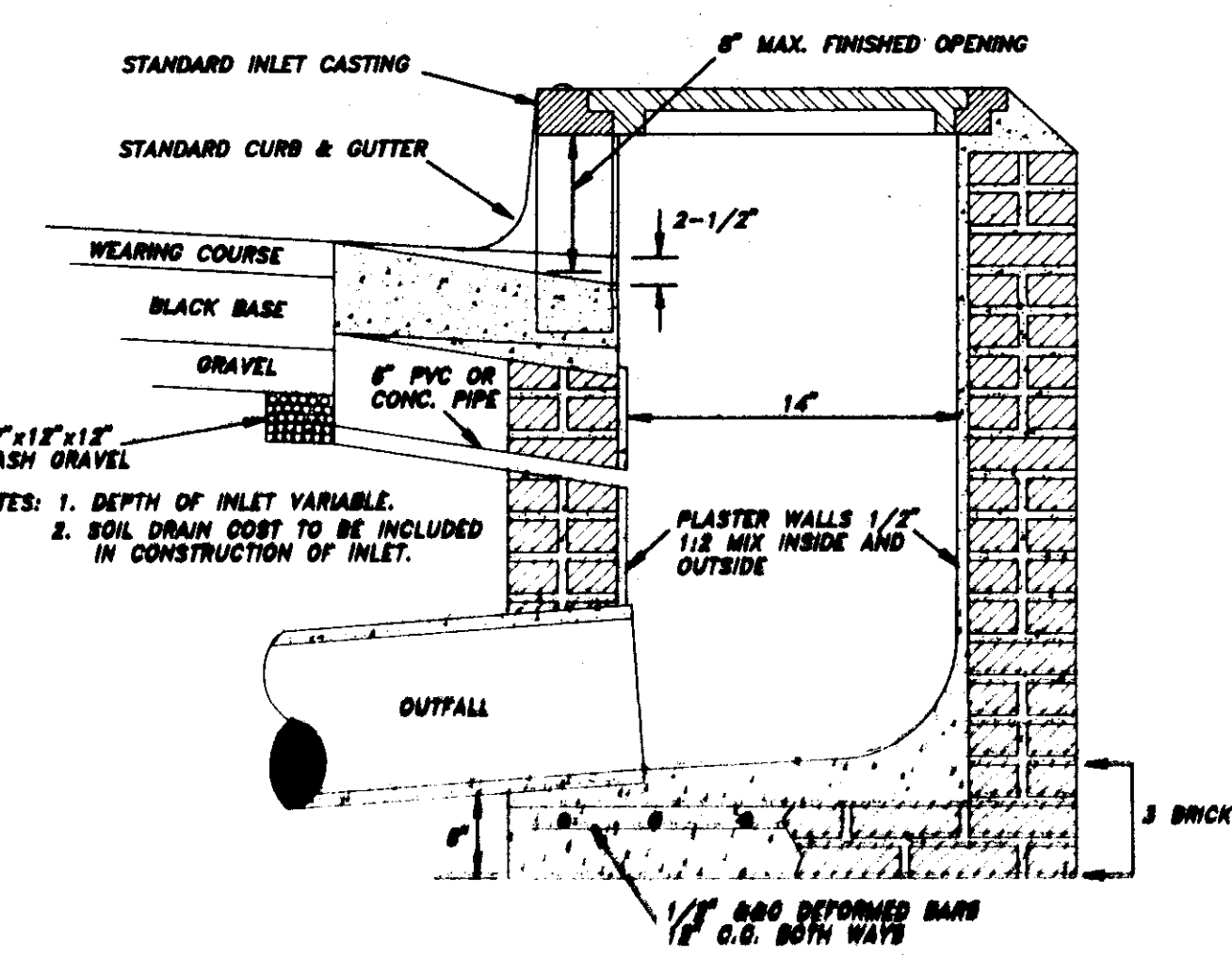
NOTE: ALL STORM SEWER JOINTS TO BE WIPED WITH 1:2 MIX CEMENT.

STORM SEWER CONSTRUCTION

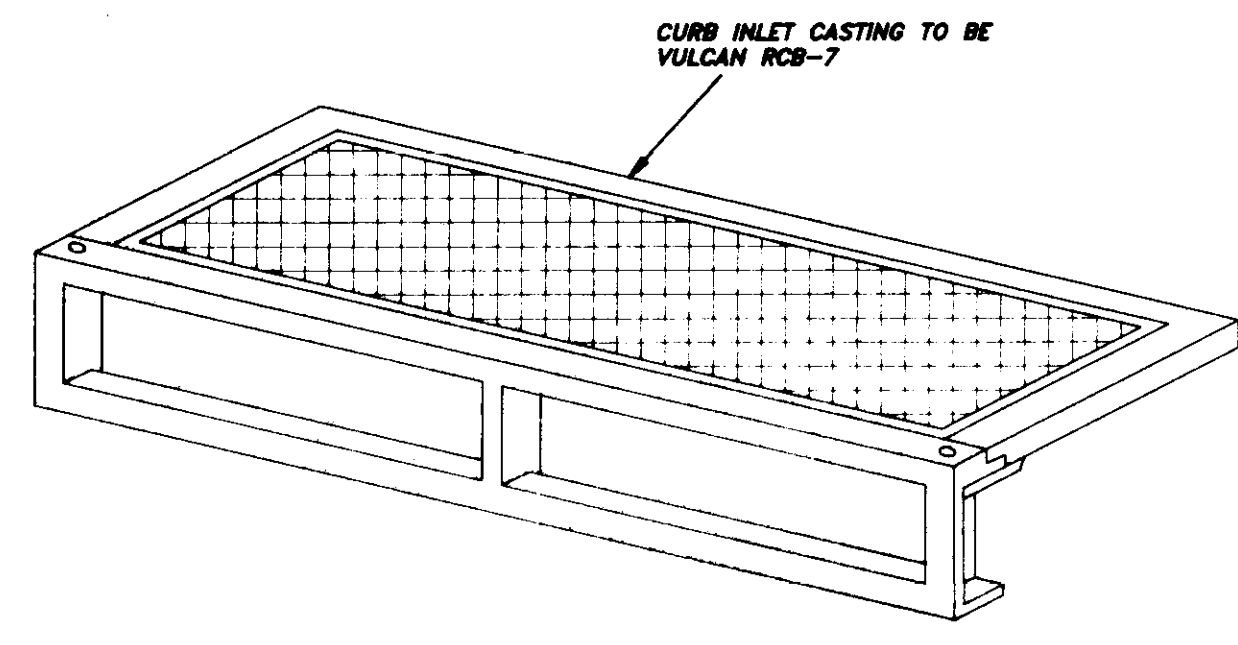
FILL AREA 1 (all locations) - 6" MAXIMUM LOOSE LIFTS, HAND OR MECHANICALLY TAMPED TO 95% DENSITY.
 FILL AREA 2 (all locations) - 6" MAXIMUM LOOSE LIFTS, HAND OR MECHANICALLY TAMPED TO 95% DENSITY.
 FILL AREA 3 (select locations) - 12" MAXIMUM LOOSE LIFTS MECHANICALLY TAMPED TO 95% DENSITY.
 FILL AREA 4 - SEE PAVEMENT REPLACEMENT DETAIL FOR PAVED AREAS. AT OTHER LOCATIONS BRING FILL AREA 3 TO SURFACE.



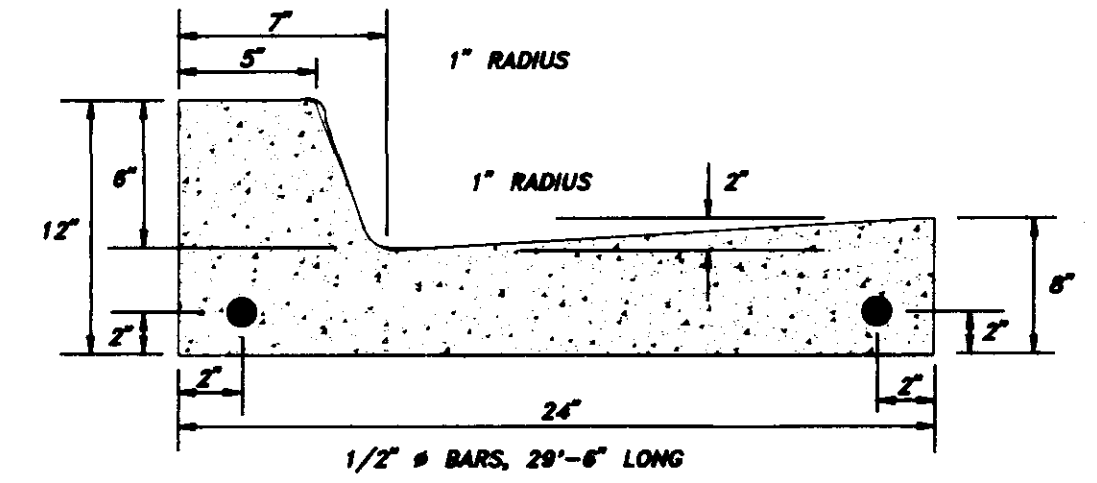
BEDDING / BACKFILLING DETAILS



SECTION OF STANDARD CURB INLET

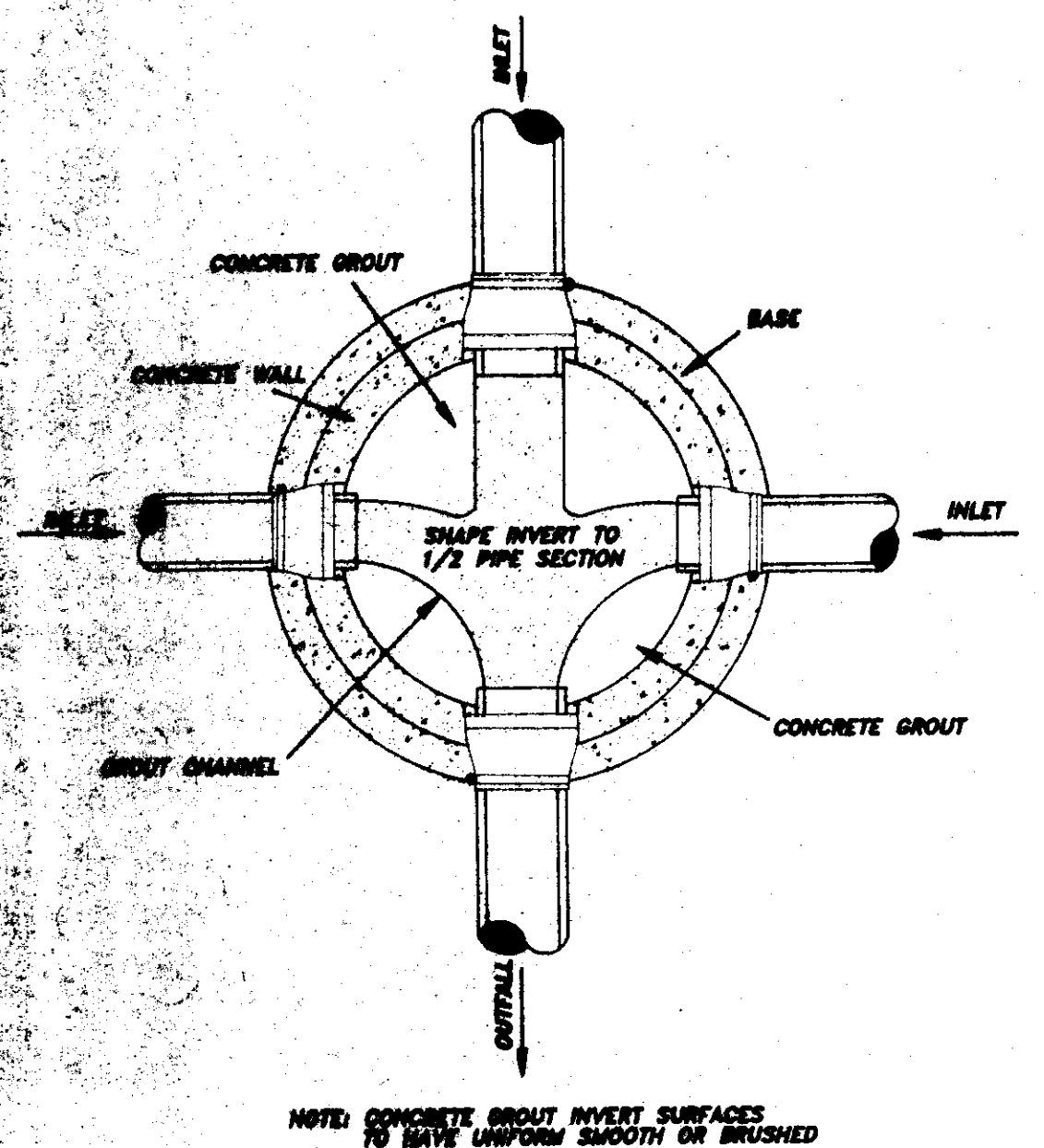


STANDARD CURB INLET CASTING

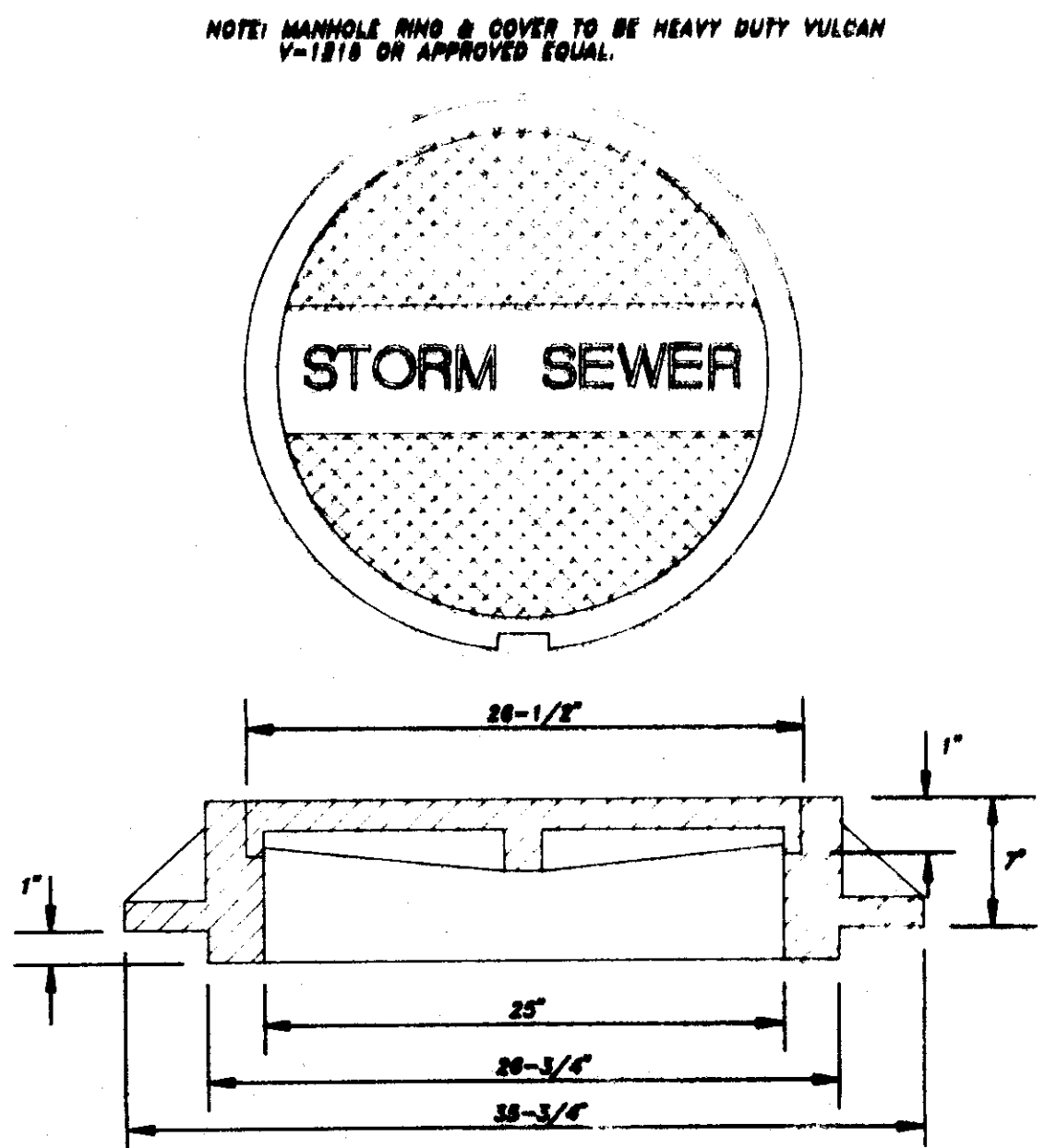


NOTES: 1. ALL CURBS, GUTTERS & DRIVEWAYS TO BE CONSTRUCTED OF 3000 L.B. CONCRETE.
 2. 2 - 3/4" DOWEL BARS, 15" LONG REQD. AT EXPANSION JOINTS. THEY SHALL BE HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS AND 1/2" EXPANSION MATERIALS.

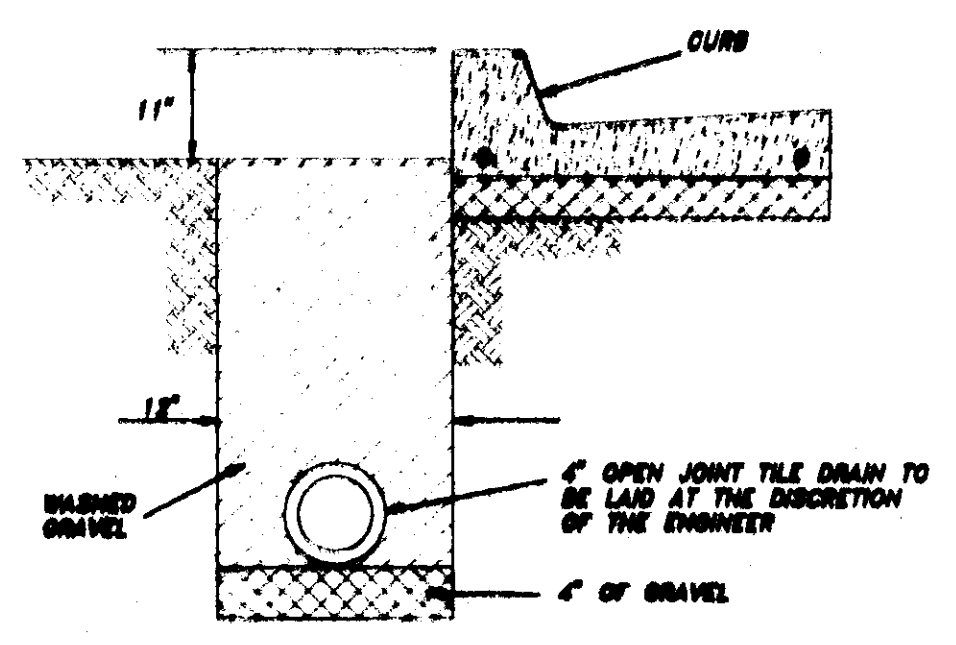
STANDARD CURB & GUTTER



MANHOLE FLOW CHANNELS DETAIL

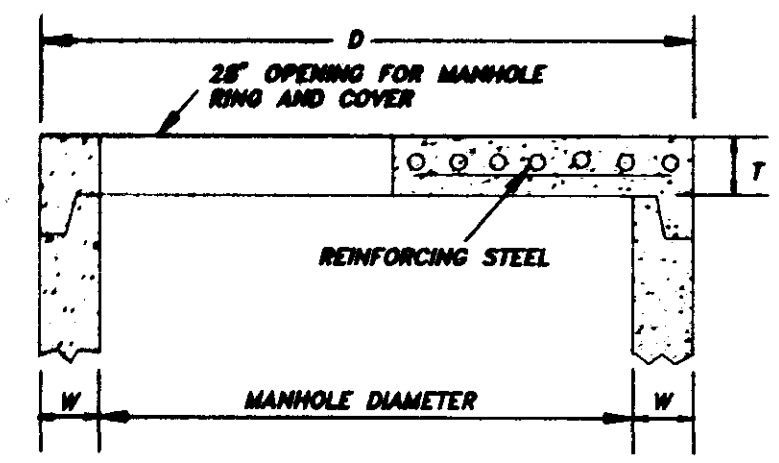


MANHOLE CASTING DETAILS



NOTE: DEPTH OF BENCH 4\"/>

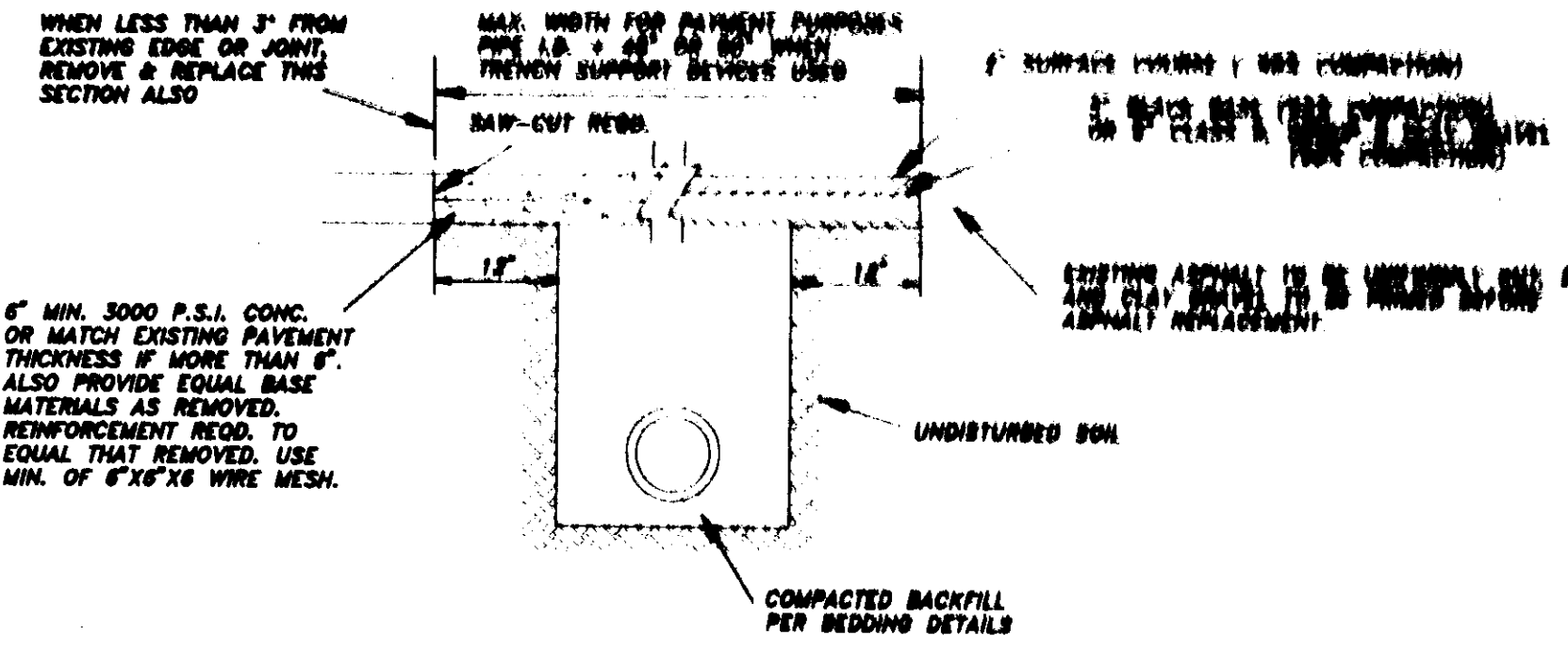
OPEN JOINT TILE DRAIN



FLAT SLAB MANHOLE TOP

PIPE DIAMETER	W	D	T
48"	6'	24"	6"
72"	7'	36"	6"
84"	8'	48"	6"
96"	9'	60"	6"
108"	10'	72"	6"

TRENCH BACKFILL REQUIRED - STATE AND SPECIFICATION CLASS 3, GROUP B GRANULAR MATERIAL COMPACTED TO 100% OF MAX. DENSITY. (PAY ITEM NO. 304-B) (PER FOOT)
 REPLACEMENT PAVEMENT REQUIRED - STATE AND SPECIFICATION CLASS 3, GROUP B GRANULAR MATERIAL COMPACTED TO 100% OF MAX. DENSITY. (PAY ITEM NO. 304-B) (PER FOOT)
 2. 2 - 3/4" DOWEL BARS, 15" LONG REQD. AT EXPANSION JOINTS. THEY SHALL BE HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS AND 1/2" EXPANSION MATERIALS.
 3. CONCRETE PAVEMENT - STATE AND SPECIFICATION CLASS 3, GROUP B GRANULAR MATERIAL COMPACTED TO 100% OF MAX. DENSITY. (PAY ITEM NO. 304-B) (PER FOOT)
 4. CONCRETE PAVEMENT - STATE AND SPECIFICATION CLASS 3, GROUP B GRANULAR MATERIAL COMPACTED TO 100% OF MAX. DENSITY. (PAY ITEM NO. 304-B) (PER FOOT)



REMOVAL & REPLACEMENT OF EXISTING PAVEMENT