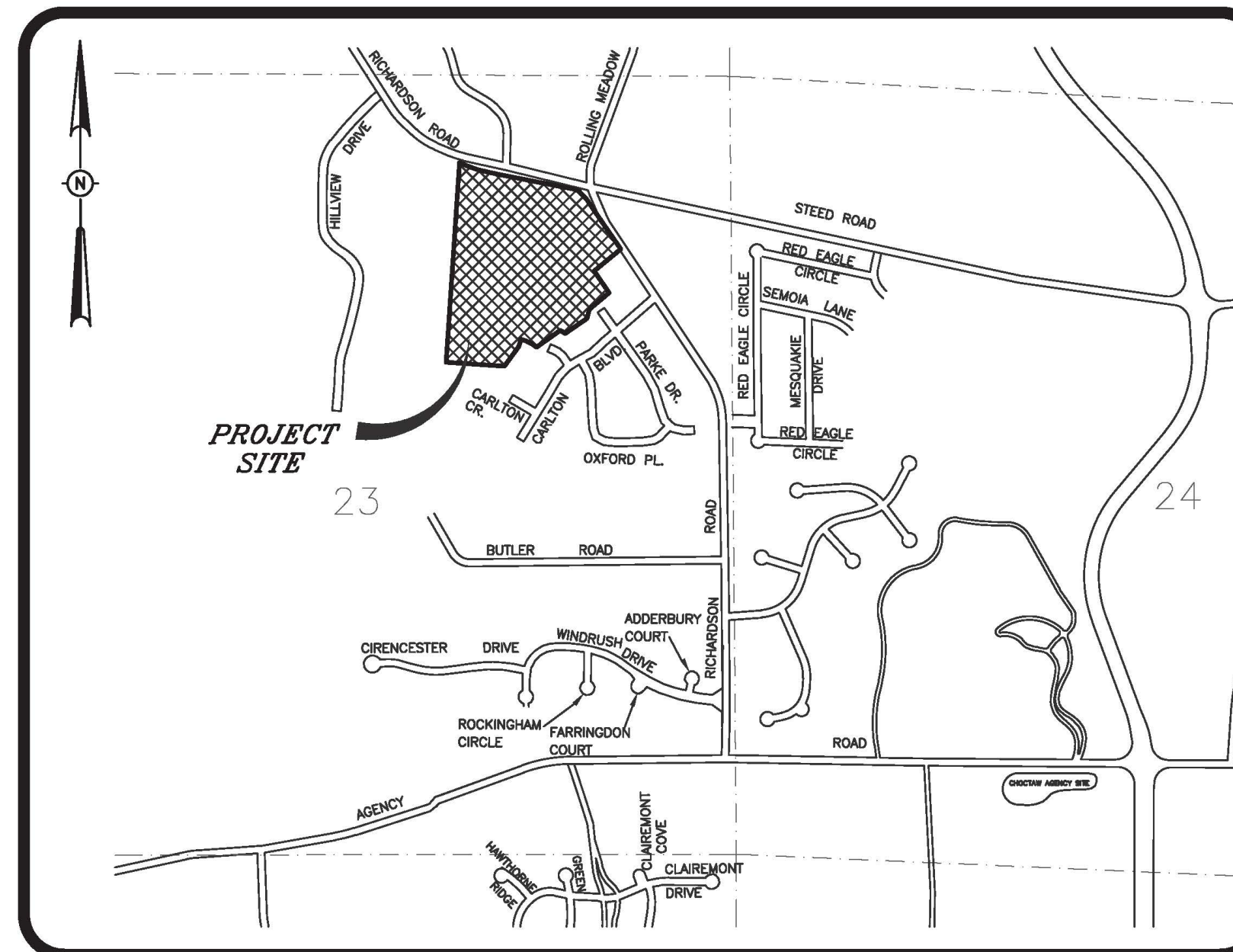


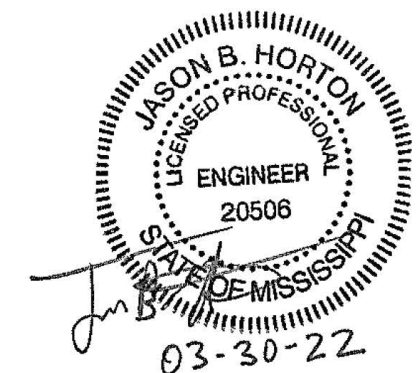
RECORD DRAWINGS FOR CARLTON PARKE, PART 2 LOTS 2-37



VICINITY MAP
1" = 1,000'

DRAWING INDEX

- 1 - COVER SHEET
- 2 - GEOMETRIC PLAN
- 3 - DRAINAGE PLAN
- 3A - GRADING PLAN
- 4 - SEWER AND WATER PLAN
- 4A - ASBUILT SEWER AND WATER SERVICE PLAN
- 5 - EROSION, SEDIMENT AND STORMWATER CONTROL PLAN
- 6 - PLAN AND PROFILE - PARKE DRIVE (STA. 1+00 TO STA. 16+00)
- 7 - PLAN AND PROFILE - PARKE DRIVE (STA. 16+00 TO STA. 21+82)
- PLAN AND PROFILE - CARLTON COURT
- PLAN AND PROFILE - TURNBERRY CIRCLE
- PLAN AND PROFILE - SEWER PROFILE
- 8 - STANDARD SANITARY SEWER DETAILS
- 9 - STANDARD STORM SEWER AND STREET DETAILS
- 10 - STANDARD WATER DETAILS



DRAWING NO. PROJECTS/2002/02117/CP3-WRK/CP2-PLANS.DWG

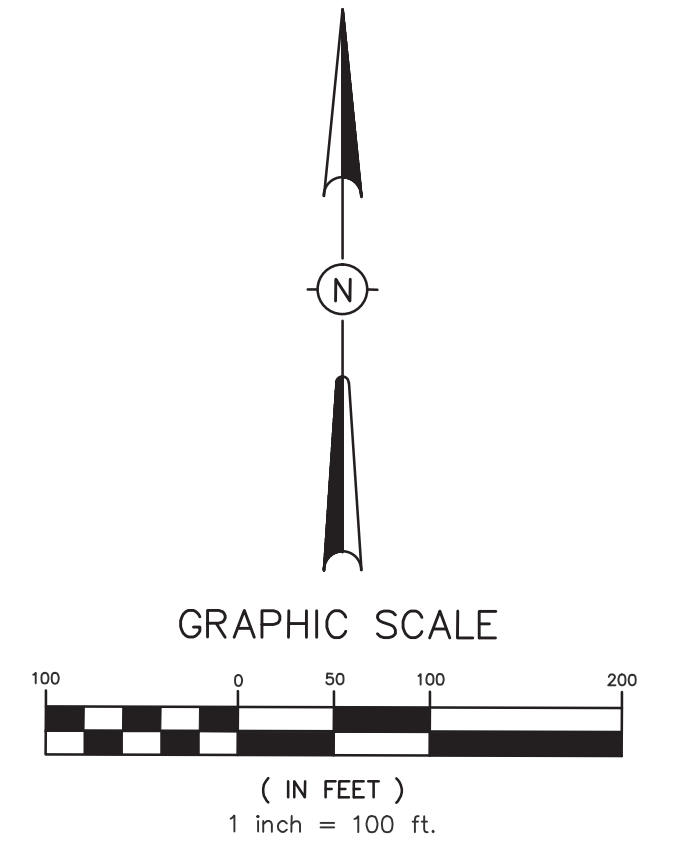
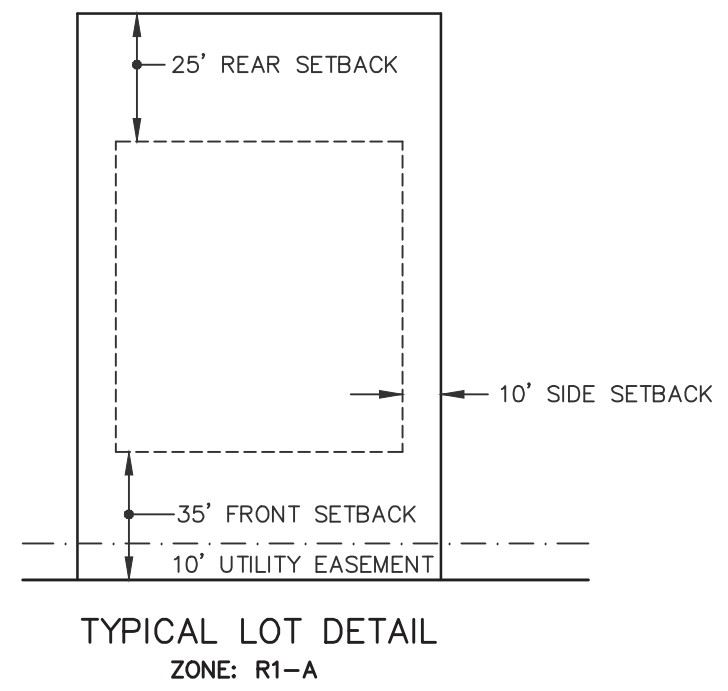
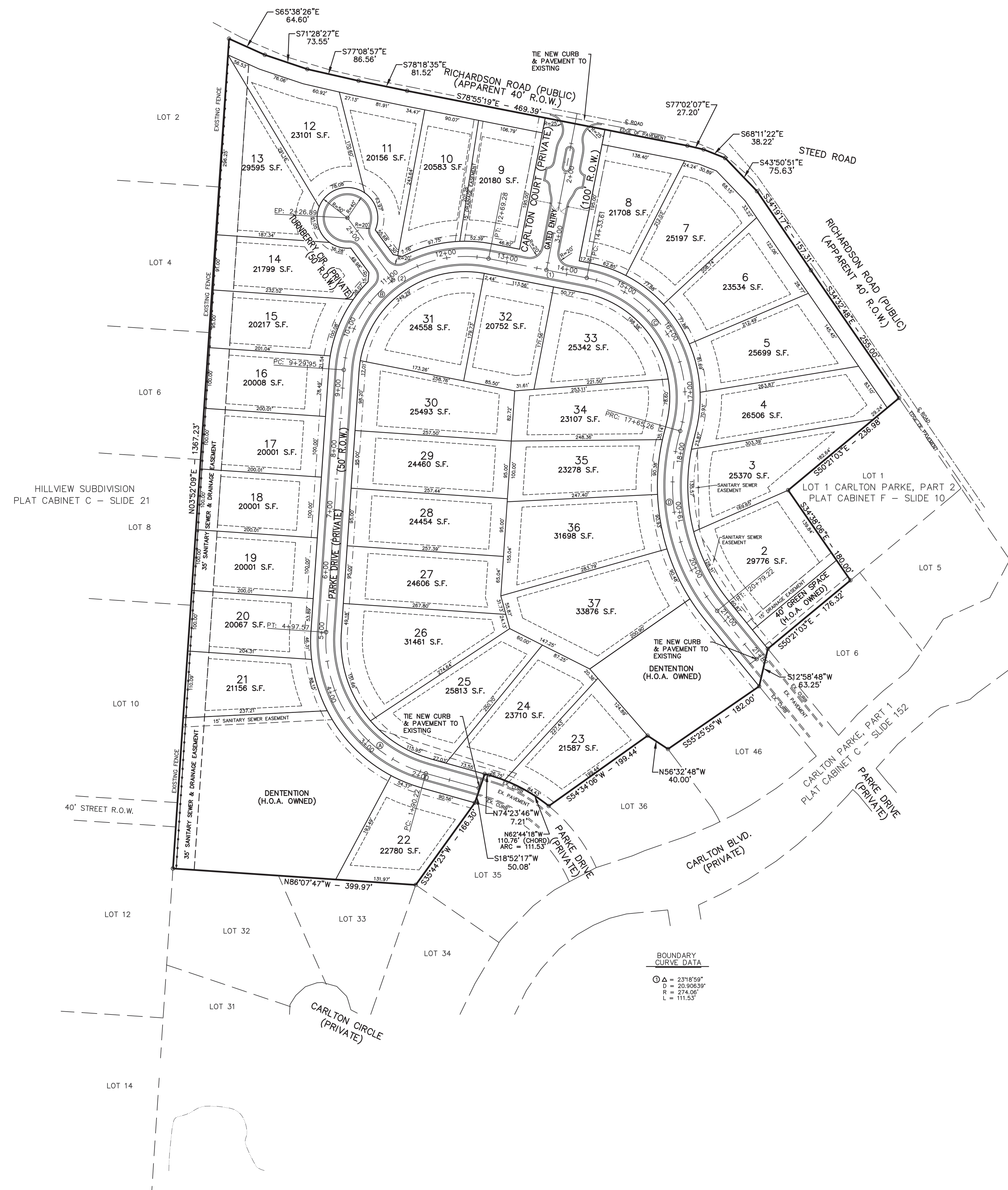
H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

DEVELOPER
CARLTON PARKE, LLC
607 HIGHLAND COLONY PARKWAY
SUITE 200
RIDGELAND, MISSISSIPPI 39157

LOCATION
SITUATED IN THE
SECTION 23
TOWNSHIP 7 NORTH - RANGE 1 EAST
CITY OF RIDGELAND,
MADISON COUNTY, MISSISSIPPI

DATE	REVISION	BY	DRAWN BY: JBH
06-23-21	CITY COMMENTS	JBH	DATE: 05-26-21
01-31-22	RECORD DRAWINGS	HVC	SCALE: NTS
			BOOK: PAGE:
			PROJECT NO.: 02-117

SHEET
1



CENTERLINE CURVE DATA

⊙ Δ = 78°15'52"	⊙ Δ = 97°12'35"	⊙ Δ = 95°00'41"	⊙ Δ = 55°20'57"
D = 25.46480'	D = 28.64790'	D = 28.64790'	D = 17.62948'
R = 225.00'	R = 200.00'	R = 200.00'	R = 325.00'
L = 307.34'	L = 339.33'	L = 331.65'	L = 313.96'

CENTERLINE INTERSECTIONS

- (1) STA. 3+62.09 CARLTON COURT = STA. 13+66.10 PARKE DRIVE
- (2) STA. 11+03.86 PARKE DRIVE = STA. 1+00.00 TURNBERRY CIR

BOUNDARY CURVE DATA

⊙ Δ = 23°8'59"
D = 20.9639'
R = 274.06'
L = 111.53'

MATHEMATICAL CLOSURE:

ERROR OF CLOSURE:	0.5675
PERIMETER:	4507.92
PRECISION:	0.000126
GREATER THAN 1/10,000	

- NOTES:**
1. DIMENSIONS ALONG CURVES ARE CHORD DISTANCES.
 2. AREA = 26.43 ACRES +/-, MORE OR LESS.
 3. ROADWAYS, GATED ENTRY, GREEN SPACE AREAS, DETENTION AREAS, AND DRAINAGE EASEMENTS SHALL BE OWNED AND MAINTAINED BY THE HOMEOWNERS ASSOCIATION AS OUTLINED IN THE COVENANTS.

DRAWING NO. PROJECTS/2002/02117/CP3-WRK/CP2-PLANS.DWG

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PROJECT
CARLTON PARKE, PART 2 LOTS 2-37

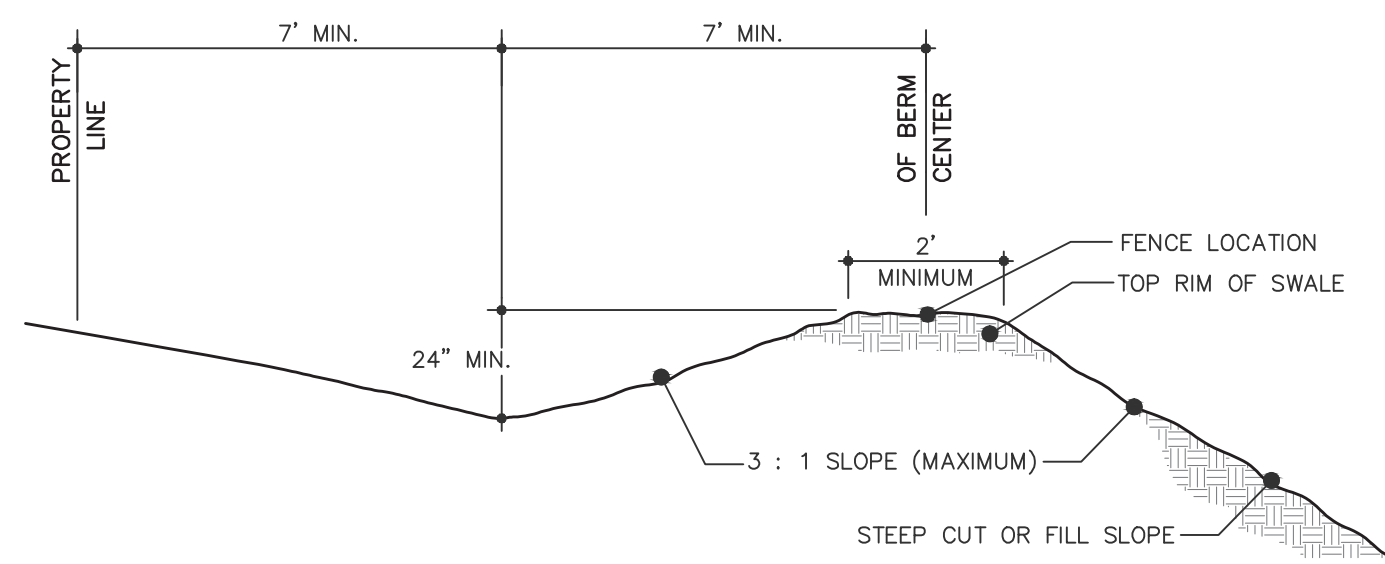
DESCRIPTION
GEOMETRIC PLAN

DATE	REVISION	BY
06-23-21	CITY COMMENTS	JBH
01-31-22	RECORD DRAWINGS	HVC

DRAWN BY: JBH
DATE: 05-26-21
SCALE: 1" = 100'

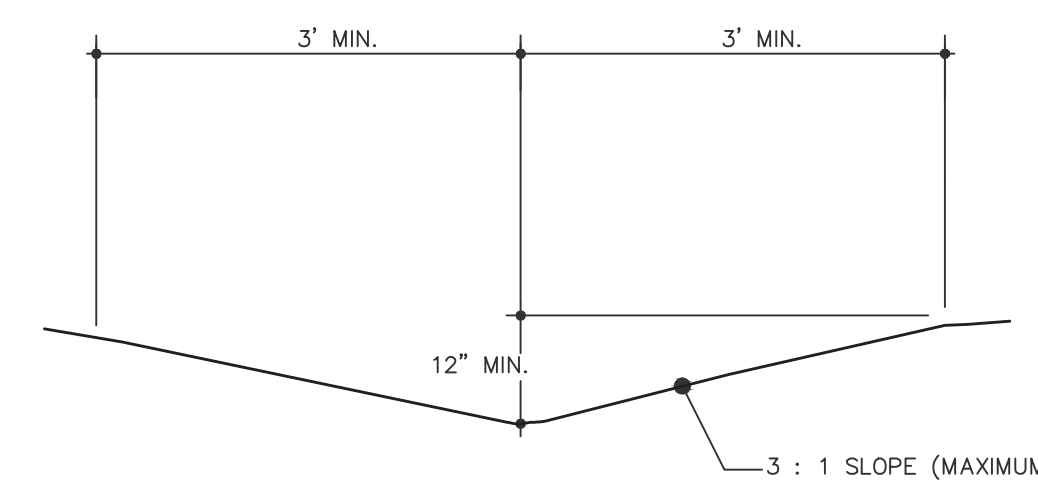
SHEET
2

PROJECT NO.: 02-117



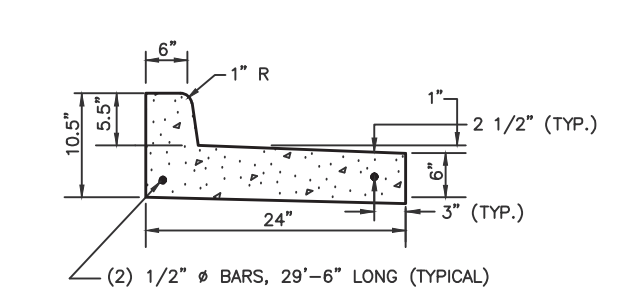
TYPICAL SWALE WITH BERM SECTION

NOTE:
STABILIZE SWALE WITH TEMPORARY SEEDING
AND EROSION CONTROL MULCHING.



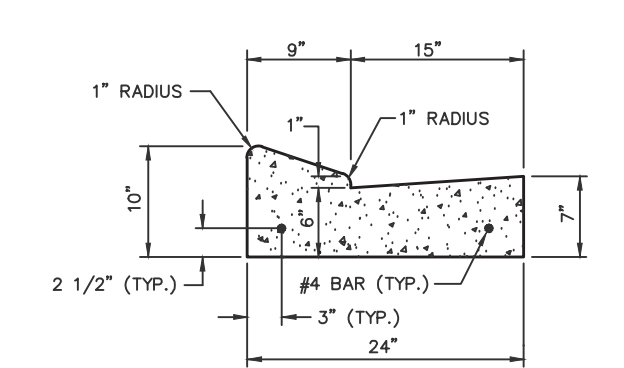
TYPICAL SWALE SECTION

NOTE:
STABILIZE SWALE WITH TEMPORARY SEEDING
AND EROSION CONTROL MULCHING.



ENTRANCE CURB ISLAND
REVERSE FLOW - STANDARD
CURB & GUTTER DETAIL

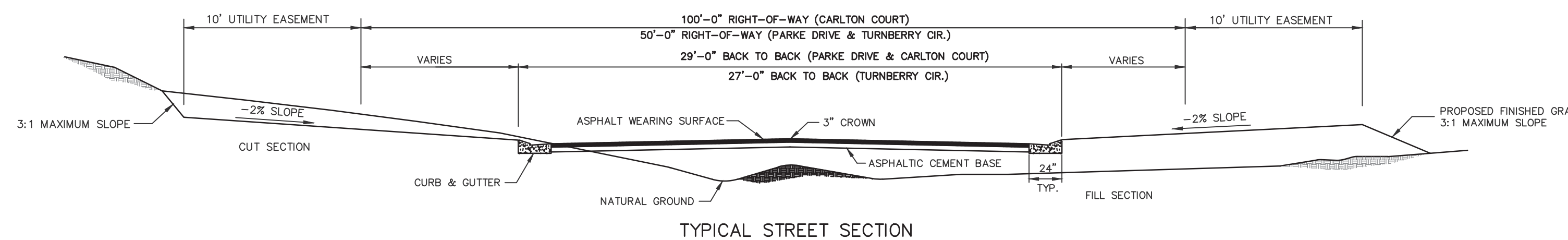
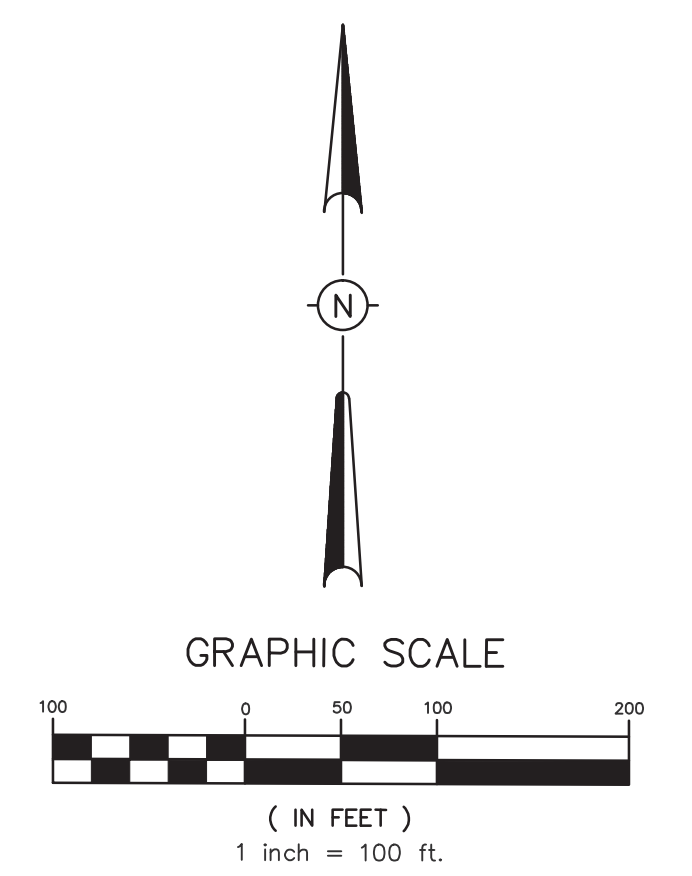
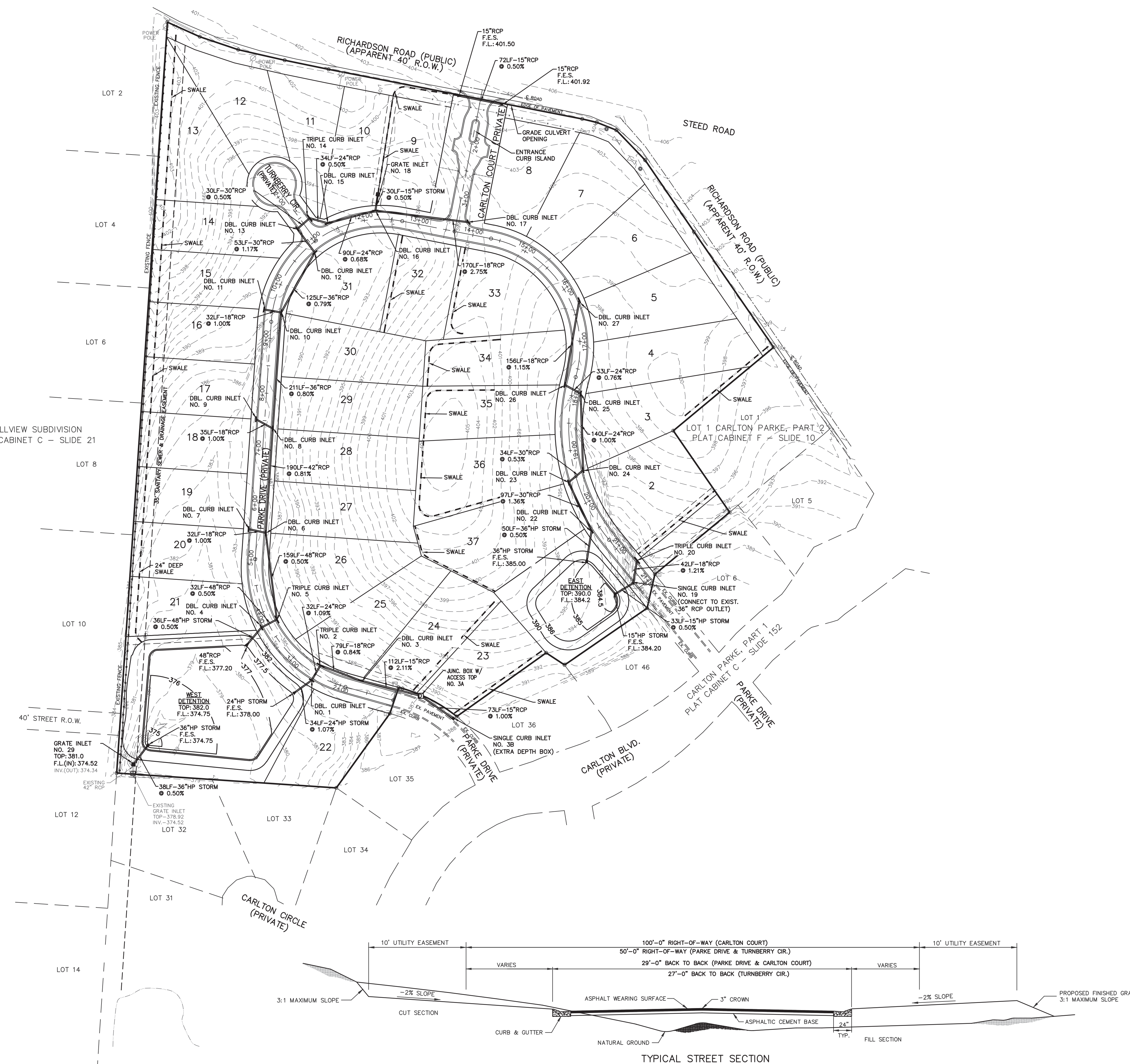
N.T.S.



ROLL TOP
CURB & GUTTER DETAIL

N.T.S.

CURB & GUTTER NOTES (ALL TYPES):
1. 1/2" EXPANSION JOINT REQUIRED AT 20' INTERVALS THEY SHALL BE HELD IN PLACE BY APPROVED CHAIRS OR SUPPORTS, AND 1/2" EXPANSION MATERIALS.
2. 1/4" CONTRACTION JOINT REQUIRED AT 10' INTERVALS (1/4" WIDE X 1-1/2" DEEP MIN.).
3. ALL CURB & GUTTER AND DRIVEWAYS TO BE CONSTRUCTED OF 3,500 P.S.I. CONCRETE.



TYPICAL STREET SECTION

PAVEMENT THICKNESS: 2" WEARING SURFACE WITH 4" ASPHALTIC CEMENT BASE & 8" SOIL TREATMENT LIME @ 6% WEARING SURFACE NOTE: FINAL LIFT OF 2" WEARING SURFACE TO BE INSTALLED AT LATER DATE. REFER TO CITY SPECIFICATIONS FOR MATERIALS AND TESTING
NOTES: 1. CONTRACTOR SHALL NOTIFY THE CITY OF RIDGELAND NO LESS THAN 24 HOURS PRIOR TO PROOF ROLLING SUBGRADE.

- NOTES:
1. THIS SUBDIVISION LIES WITHIN THE LIMITS ESTABLISHED FOR ZONE "X" (NO SHADING) ACCORDING TO FIRM MAP NUMBER 28089C558F, EFFECTIVE MARCH 17, 2010.
 2. ELEVATIONS REFERENCED TO NAVD 88 DATUM.
 3. ALL STORM SEWER JOINTS AND LIFT HOLES SHALL BE SEALED AND INSTALLED PER MANUFACTURERS SPECIFICATIONS.
 4. ALL PIPE STREET CROSSINGS SHALL BE COMPACTED AT 98% STANDARD PROCTOR. ALL OTHER AREAS OUTSIDE OF PAVEMENT SHALL BE 95% STANDARD PROCTOR.
 5. SWALES AS SHOWN ON GRADING PLAN SHEET 4A.

DRAWING NO. PROJECTS/2002/02117/CP3-WRK/CP2-PLANS.DWG

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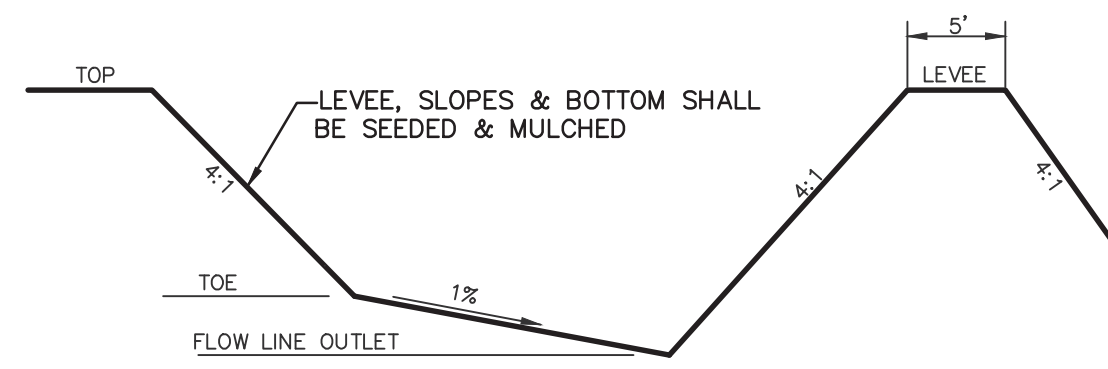
PROJECT
CARLTON PARKE, PART 2 LOTS 2-37

DESCRIPTION
DRAINAGE PLAN

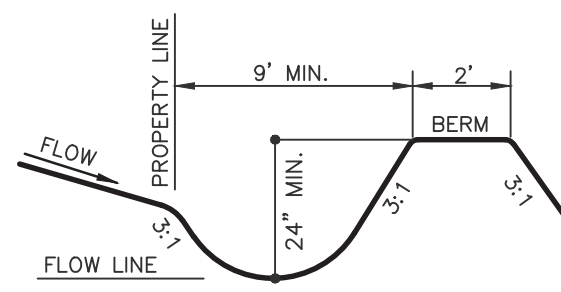
DATE REVISION BY
06-23-21 CITY COMMENTS JBH
01-31-22 RECORD DRAWINGS HVC

DRAWN BY: JBH
DATE: 05-26-21
SCALE: 1" = 100'
PROJECT NO.: 02-117

SHEET
3

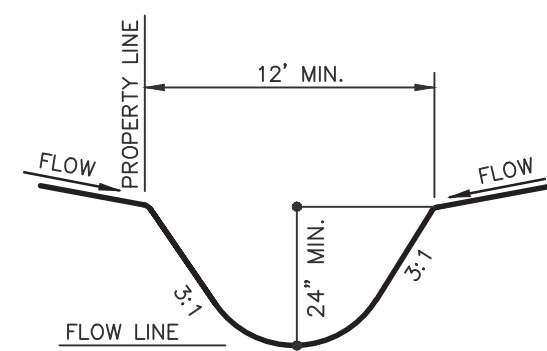


TYPICAL DETENTION BASIN DETAIL
NTS



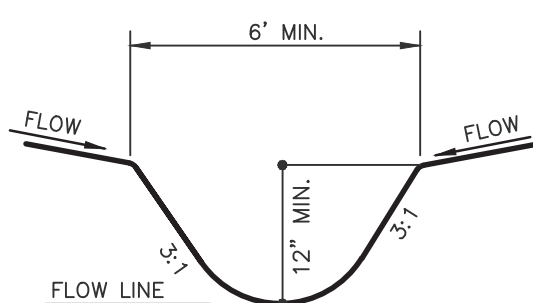
SECTION A-A

NTS
NOTES: 1. SLOPE TO POSITIVE DRAIN
2. SLOPES TO BE SEEDED AND MULCHED.
3. 3:1 SLOPES ARE MAXIMUM



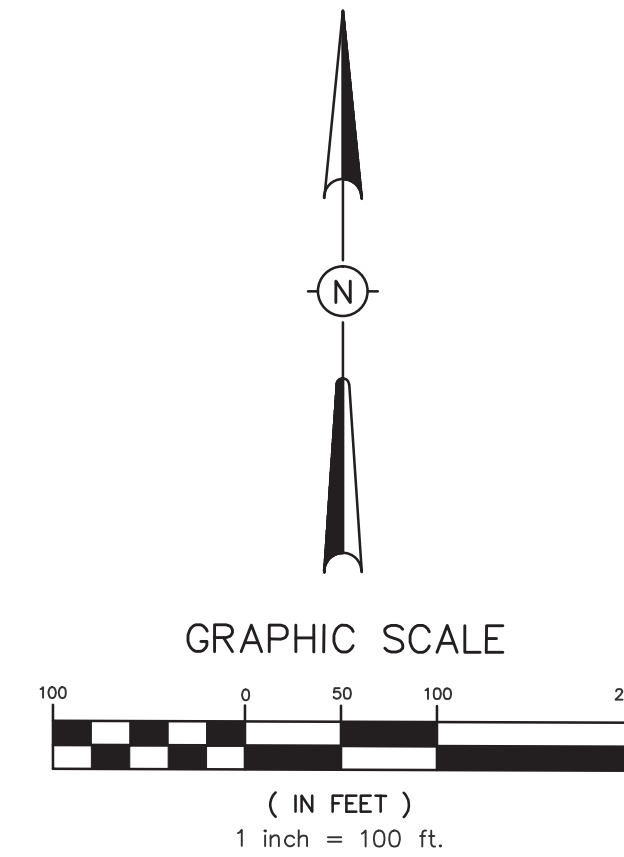
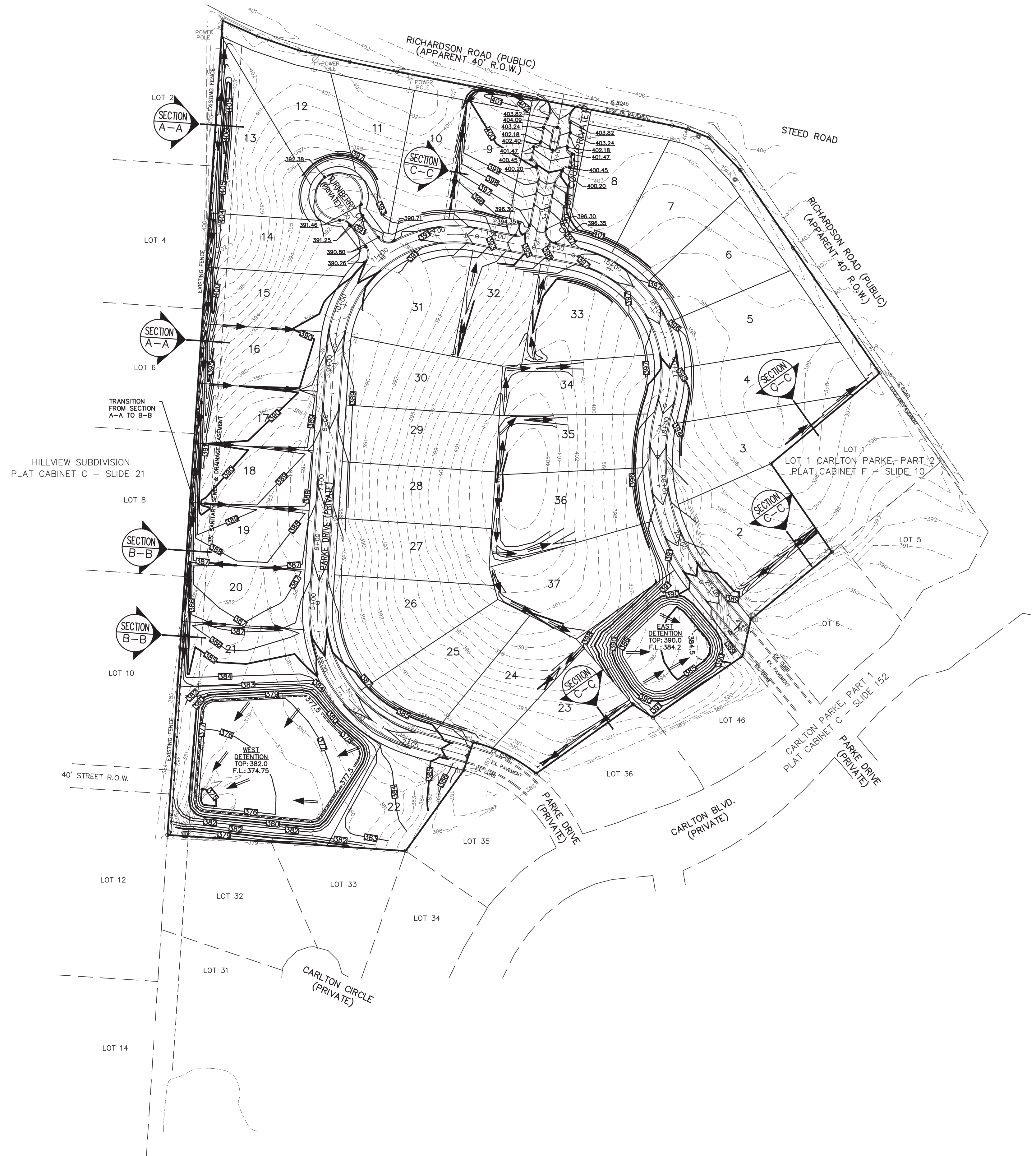
SECTION B-B

NTS
NOTES: 1. SLOPE TO POSITIVE DRAIN
2. SLOPES TO BE SEEDED AND MULCHED.
3. 3:1 SLOPES ARE MAXIMUM



SECTION C-C

NTS
NOTES: 1. SLOPE TO POSITIVE DRAIN
2. SLOPES TO BE SEEDED AND MULCHED.
3. 3:1 SLOPES ARE MAXIMUM



- NOTES:
1. A DRAINAGE SWALE SHALL BE LOCATED BETWEEN ALL LOTS PRIOR TO COMPLETION OF HOMES.
 2. SPOT GRADES SHOWN IN ROADWAY ARE BACK OF CURB SPOT GRADES. ← = 68.00.
 3. → INDICATES DRAINAGE FLOW DIRECTION.
 4. DRAINAGE SWALES SHALL BE INSTALLED AND MAINTAINED SUCH THAT DRAINAGE DIRECTIONS ARE AS SHOWN ON PLAN.

DRAWING NO. PROJECTS/2002/02117/CP3-WRK/CP2-PLANS.DWG

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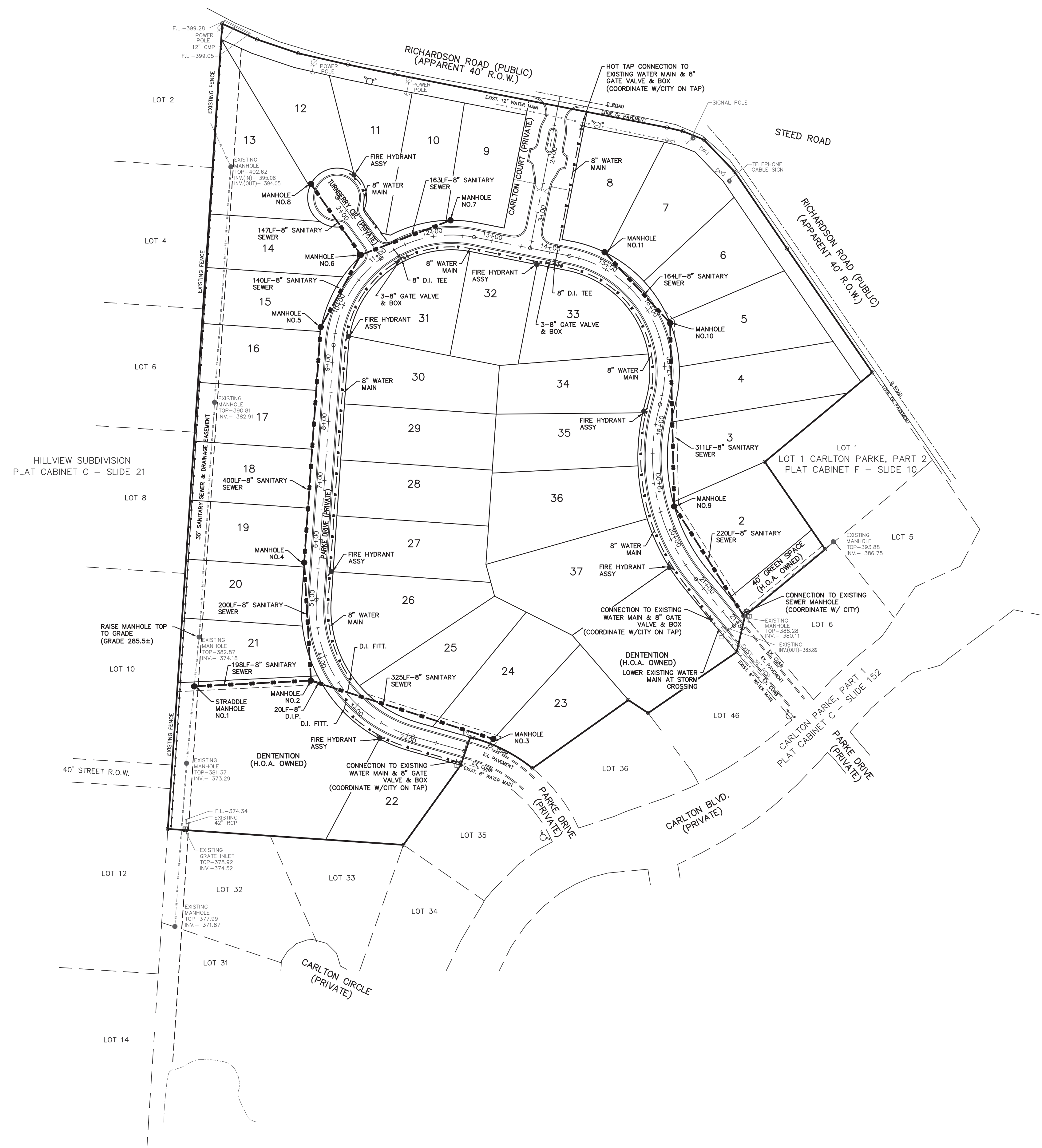
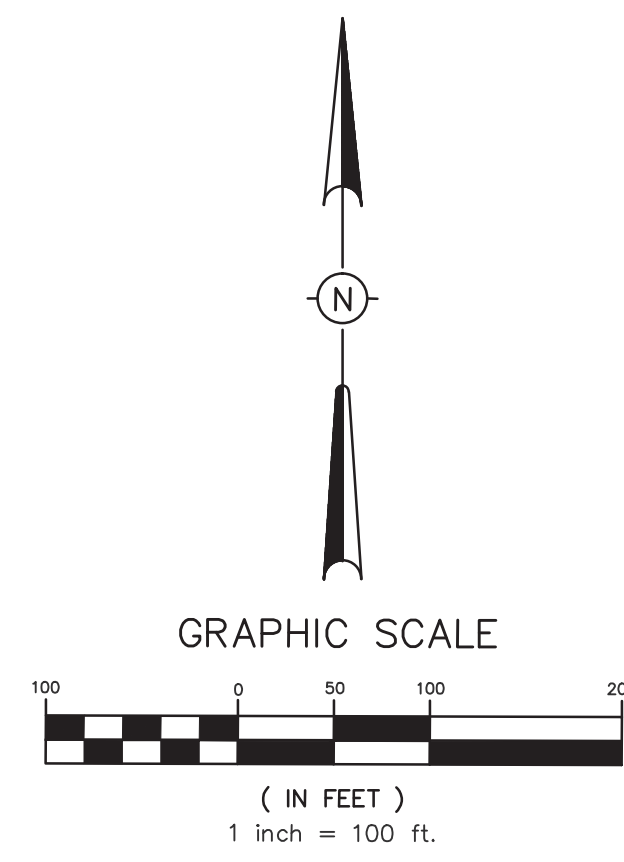
PROJECT
CARLTON PARKE, PART 2 LOTS 2-37

DESCRIPTION
GRADING PLAN

DATE	REVISION	BY
06-23-21	CITY COMMENTS	JBH
01-31-22	RECORD DRAWINGS	HVC

DRAWN BY: JBH
DATE: 05-26-21
SCALE: 1" = 100'
PROJECT NO.: 02-117

SHEET
3A



- NOTES:
1. FIRE HYDRANT ASSEMBLY INCLUDES 6" GATE VALVE AND BOX AND 8"x8"x6" TEE.
 2. THE USE OF THE "MEGA" LUG SYSTEM SHALL BE INSTALLED ON ALL FITTINGS WITH THE EXCEPTION OF FIRE HYDRANTS. FIRE HYDRANTS SHALL USE ANCHOR COUPLINGS.
 3. ALL WATER MAIN GATE VALVES SHALL BE LOCATED BEHIND BACK OF CURB AND OUT OF ROADWAY.
 4. ALL WATER MAIN SHALL BE DR 18, CLASS 235 C-900.
 5. ALL FIRE HYDRANT MUELLER. ALL GATE VALVES SHALL BE MUELLER.
 6. ALL SANITARY SEWER MAINS SHALL BE SDR-26.
 7. ALL JOINTS OF DUCTILE IRON PIPE ON SANITARY SEWER OR WATER MAIN SHALL BE CENTERED ON CROSSING AND CHANGE AS FIELD CONDITIONS WARRANT.
 8. ALL DUCTILE IRON PIPE SHALL BE POLYWRAPPED TO MANUFACTURERS SPECIFICATIONS.
 9. ALL TRACER WIRE SHALL BE #12 INSULATED SOLID COPPER TYPE THHN OR THWN-1 600V GASOLINE AND OIL RESISTANT WIRE.
 10. TRACER WIRE IS REQUIRED ON ALL WATER SERVICE LINES.
 11. WATER MAINS SHALL HAVE A MINIMUM COVER OF 36" BELOW THE PROPOSED TOP OF CURB.
 12. A MINIMUM OF 18" CLEARANCE SHALL BE PROVIDED AT ALL WATER MAIN CROSSINGS WITH SANITARY SEWER AND STORM SEWER. IF WATER MAIN CROSSINGS WITH STORM SEWER IS LESS THAN 18" CLEARANCE THAN DUCTILE IRON PIPE SHALL BE INSTALLED WITH THE DUCTILE IRON PIPE CENTERED OVER THE CROSSING.
 13. TIES TO EXISTING WATER MAINS SHALL BE COORDINATED WITH THE UTILITY PROVIDER PRIOR TO MAKING CONNECTION. THERE SHALL BE NO SERVICE INTERRUPTION WITHOUT UTILITY PROVIDER APPROVAL. PROVIDE A MINIMUM 48 HOURS NOTICE.
 14. TIES TO EXISTING SANITARY SEWER SYSTEM SHALL BE COORDINATED WITH THE UTILITY PROVIDER PRIOR TO MAKING CONNECTION. THERE SHALL BE NO SERVICE INTERRUPTION WITHOUT UTILITY PROVIDER APPROVAL. PROVIDE A MINIMUM 48 HOURS NOTICE.
 15. ALL WATER AND SEWER MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF RIDGELAND UTILITIES MATERIALS SPECIFICATIONS.
 16. ALL WATER AND SEWER LINES CROSSING THE ROADWAYS SHALL BE COMPACTED TO 98% STANDARD PROCTOR. ALL WATER AND SEWER LINES OUTSIDE OF ROADWAY SHALL BE COMPACTED TO 95% STANDARD PROCTOR.

DRAWING NO. PROJECTS/2002/02117/CP2-WRK/CP2-PLANS.DWG

H D LANG AND ASSOCIATES, INC.
 POST OFFICE BOX 16085
 JACKSON, MISSISSIPPI 39236

PROJECT
CARLTON PARKE, PART 2 LOTS 2-37

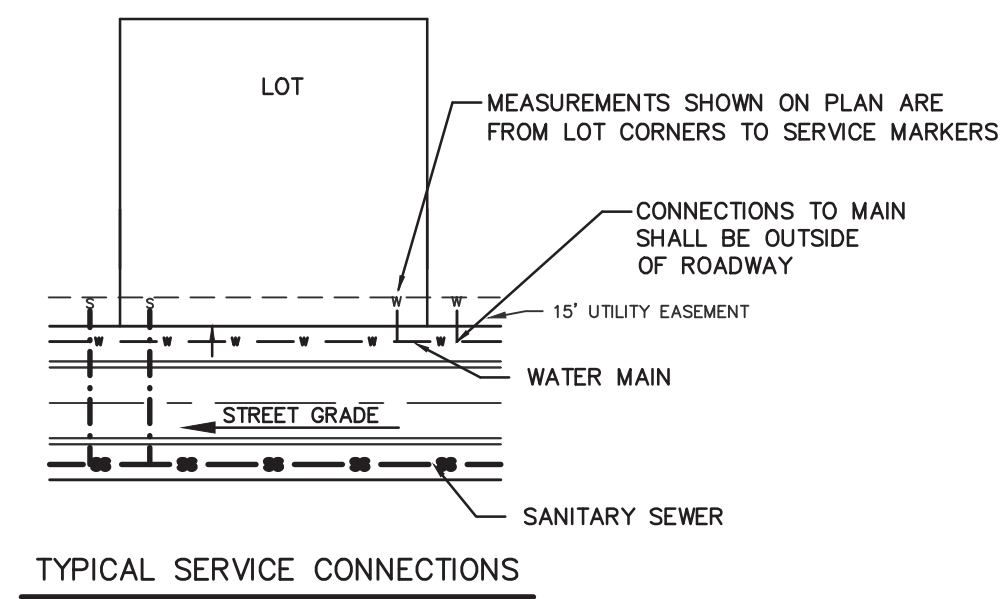
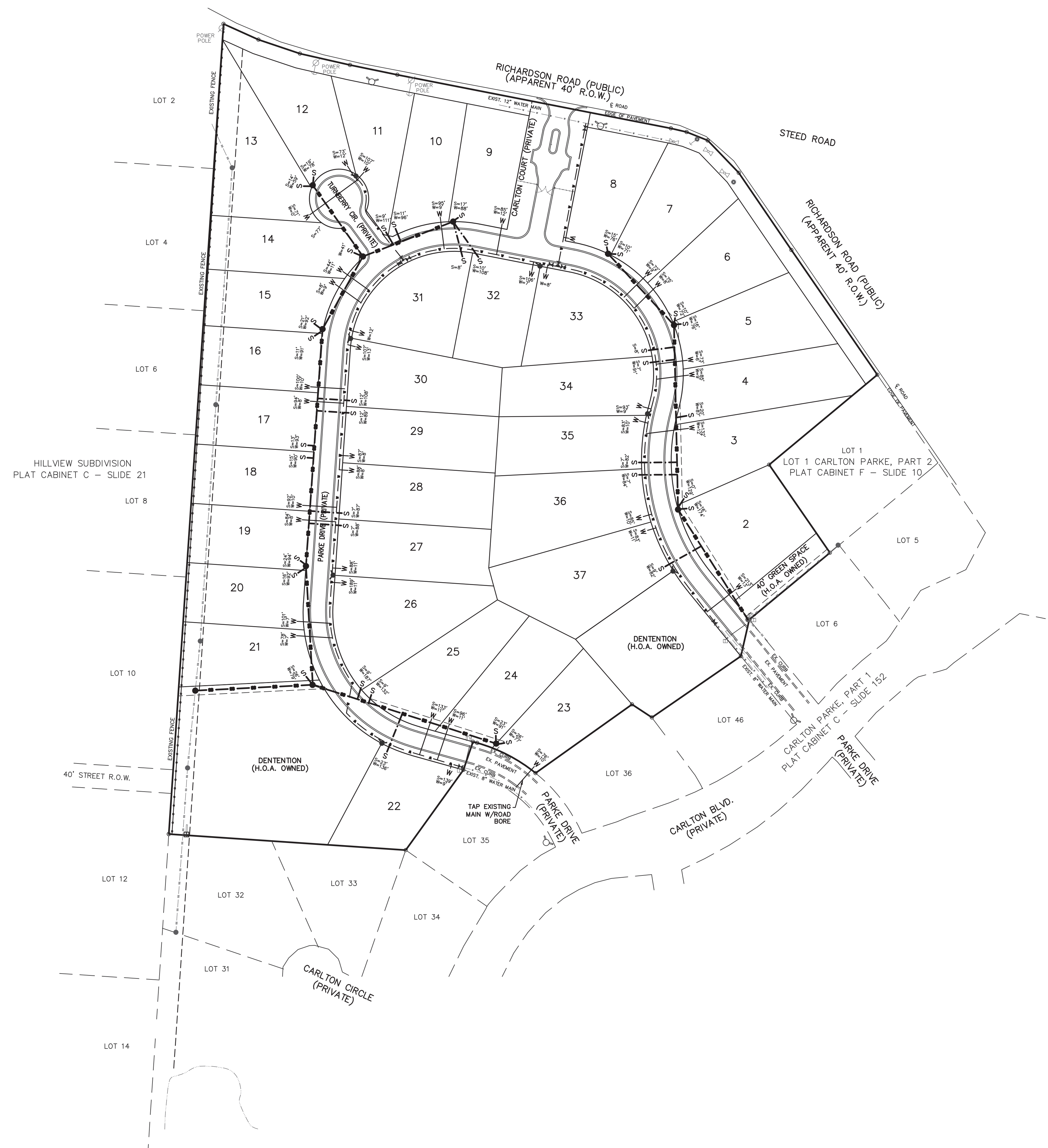
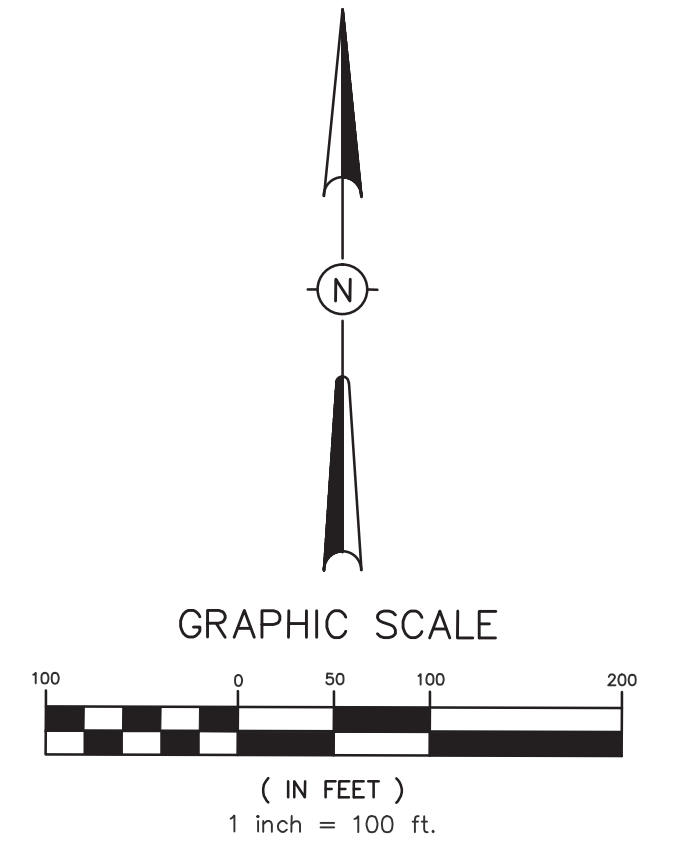
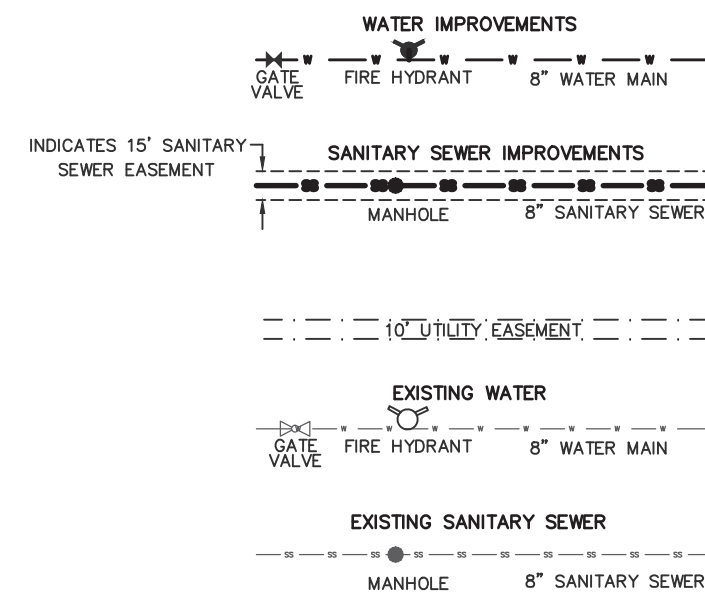
DESCRIPTION
SEWER AND WATER PLAN

DATE	REVISION	BY
06-23-21	CITY COMMENTS	JBH
07-30-21	MSDH COMMENTS	JBH
01-31-22	RECORD DRAWINGS	HVC

DRAWN BY: JBH
 DATE: 05-26-21
 SCALE: 1" = 100'
 PROJECT NO.: 02-117

SHEET
4

UTILITY LEGEND



NOTE:
 THE CONTRACTOR SHALL PROVIDE:
 - A 3/4" WATER SERVICE
 - A 6" SANITARY SEWER SERVICE TO EACH LOT.

- NOTES:**
1. ALL WATER AND SEWER MATERIALS SHALL BE IN ACCORDANCE WITH CITY OF RIDGELAND UTILITIES MATERIALS SPECIFICATIONS
 2. ALL WATER AND SEWER LINES CROSSING THE ROADWAYS SHALL BE COMPACTED TO 98% STANDARD PROCTOR. ALL WATER AND SEWER LINES OUTSIDE OF ROADWAY SHALL BE COMPACTED TO 95% STANDARD PROCTOR.
 3. SANITARY SEWER SERVICES SHALL BE 6" SERVICES (TYPE: PVC SDR-26) AND STUBBED OUT AT THE RIGHT-OF-WAY OR EASEMENT WITH MARKER POST AS PER CITY OF RIDGELAND STANDARDS AND SPECIFICATIONS.
 4. WATER SERVICES SHALL BE 3/4" SERVICES (TYPE: CLASS 200 PSI POLYETHYLENE) AND STUBBED OUT AT THE RIGHT-OF-WAY OR EASEMENT WITH MARKER POST AS PER CITY OF RIDGELAND STANDARDS AND SPECIFICATIONS.
 5. ALL WATER SERVICE LINES SHALL CONTAIN TRACER WIRE.

DRAWING NO. PROJECTS/2002/02117/CP3-WRK/CP2-PLANS.DWG

H D LANG AND ASSOCIATES, INC.
 POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236

PROJECT
CARLTON PARKE, PART 2 LOTS 2-37

DESCRIPTION
ASBUILT SEWER AND WATER SERVICE PLAN

DATE	REVISION	BY
06-23-21	CITY COMMENTS	JBH
07-30-21	MSDH COMMENTS	JBH
01-31-22	RECORD DRAWINGS	HVC

DRAWN BY: JBH
 DATE: 05-26-21
 SCALE: 1" = 100'
 PROJECT NO.: 02-117

SHEET
4A

MAINTENANCE PLAN

SHORT TERM

1. ALL EROSION AND SEDIMENT CONTROL PRACTICES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN EVERY WEEK. ANY NEEDED REPAIRS WILL BE MADE IMMEDIATELY TO MAINTAIN ALL PRACTICES AS DESIGNED.
2. SEDIMENT WILL BE REMOVED FROM THE INLET PROTECTION DEVICES WHEN IT REACHES A MAXIMUM OF 6 INCHES DEEP. THE DEVICE WILL BE REPLACED AS NECESSARY TO MAINTAIN A BARRIER.
3. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AND REMULCHED AS NECESSARY TO MAINTAIN A DENSE VEGETATIVE COVER.
4. STORMWATER TREATMENT BASIN SHALL BE INSPECTED FOR SEDIMENT WEEKLY AND SHALL BE PURGED FROM SEDIMENT IF THE SEDIMENT DEPTH REACHES 9 INCHES.

LONG TERM

1. ALL VEGETATED AREAS WILL BE MAINTAINED IN ADEQUATE CONDITION TO PROVIDE PROPER GROUND COVER.
2. AREAS WHERE VEGETATION IS LOST WILL BE FERTILIZED, SEEDED AND MAINTAINED AS NECESSARY TO RESTORE PROPER GROUND COVER.
3. STRUCTURAL MEASURES WILL BE EXAMINED AND MAINTENANCE PERFORMED AS NEEDED OR REQUIRED BY THE COUNTY ENGINEER.
4. POST CONSTRUCTION STORMWATER TREATMENT BASIN SHALL BE INSPECTED MONTHLY FOR SEDIMENT AND SHALL BE PURGED FROM SEDIMENT IF THE SEDIMENT DEPTH REACHES 9 INCHES.

TEMPORARY SEEDING

ALL FILL AREAS OUTSIDE OF PAVED AREAS SHALL RECEIVE TEMPORARY SEEDING OF ANNUAL RYEGRASS AT 40 LBS./AC. WITH 13/13/13 FERTILIZER AT 600 LBS./AC.
ALL SLOPES SHALL RECEIVE TEMPORARY SEEDING AND FERTILIZER AND STRAW MULCH.

PERMANENT SEEDING

PERMANENT SEEDING OF BERMUDA GRASS AT 20 LBS./AC. WITH 13/13/13 FERTILIZER AT 600 LBS./AC WITH MULCH.

LOT DISTURBANCE

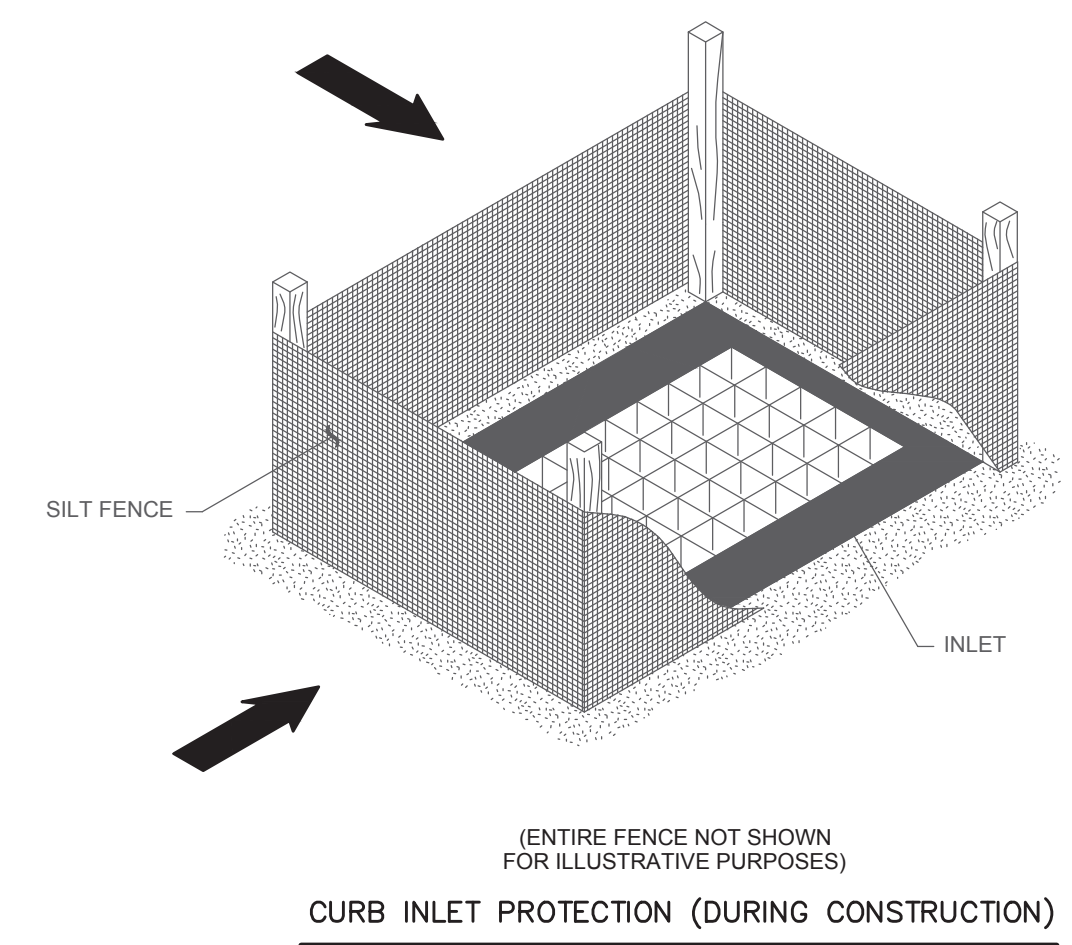
ONCE LOTS HAVE BEEN DISTURBED AND CUT OR FILLED TO GRADE, THEY SHALL RECEIVE PERMANENT SEEDING.

SILT FENCE

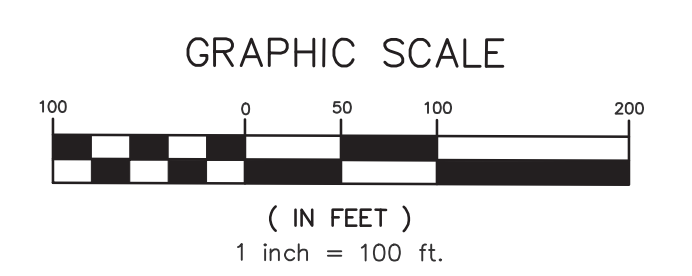
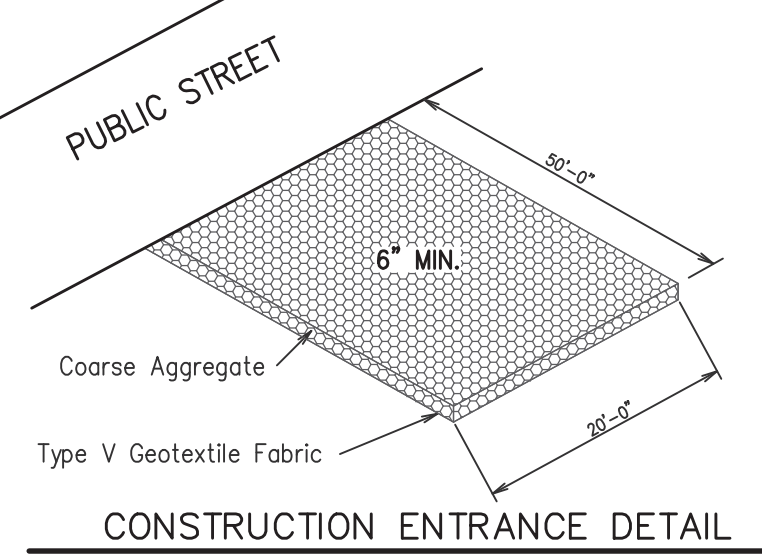
REMOVE ACCUMULATED SEDIMENT WHEN IT HAS REACHED 1/3 TO 1/2 OF FENCE HEIGHT

PLANNED EROSION, SEDIMENT AND STORMWATER CONTROL PRACTICES

1. STORM DRAIN INLET PROTECTION.
TEMPORARY STRAW WATTLES AND SILT FENCE COMBINATIONS WILL BE INSTALLED AT ALL CURB INLET AND GRATE INLET LOCATIONS.
2. LAND GRADING.
EXCESS EXCAVATION FROM THE STREET RIGHTS OF WAY WILL BE PLACED ON THE LOTS OF LOWEST ELEVATION. ALL FILL MATERIALS WILL BE COMPACTED AND SLOPES WILL NOT EXCEED 3:1. ALL GRADED AREAS WILL RECEIVE SEEDING AND MULCHING/STRAW IF NEEDED FOR STABILIZATION OF THE CUT/FILL MATERIAL UNTIL PERMANENT VEGETATION IS ESTABLISHED AFTER THE CONSTRUCTION OF THE INDIVIDUAL HOUSES.
3. PERMANENT SEEDING.
ALL DISTURBED AREAS WILL BE PERMANENTLY SEEDED AND MULCHED ONCE FINAL GRADE IS ESTABLISHED. THE LAND GRADING AREAS PREVIOUSLY MENTIONED WILL RECEIVE TEMPORARY SEEDING AS STATED.

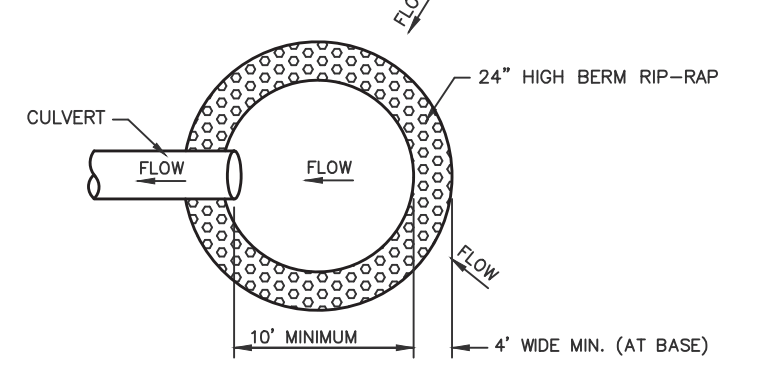
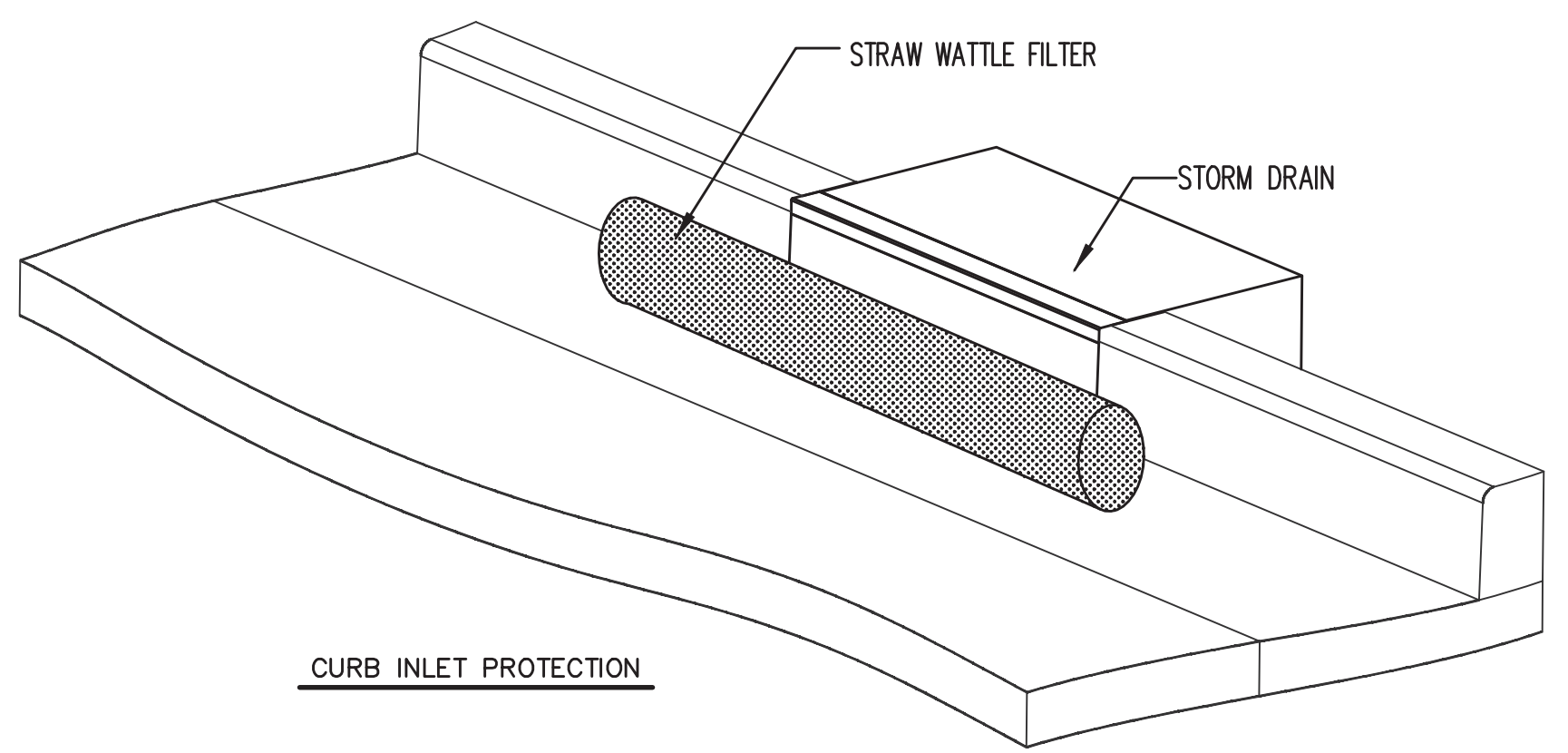
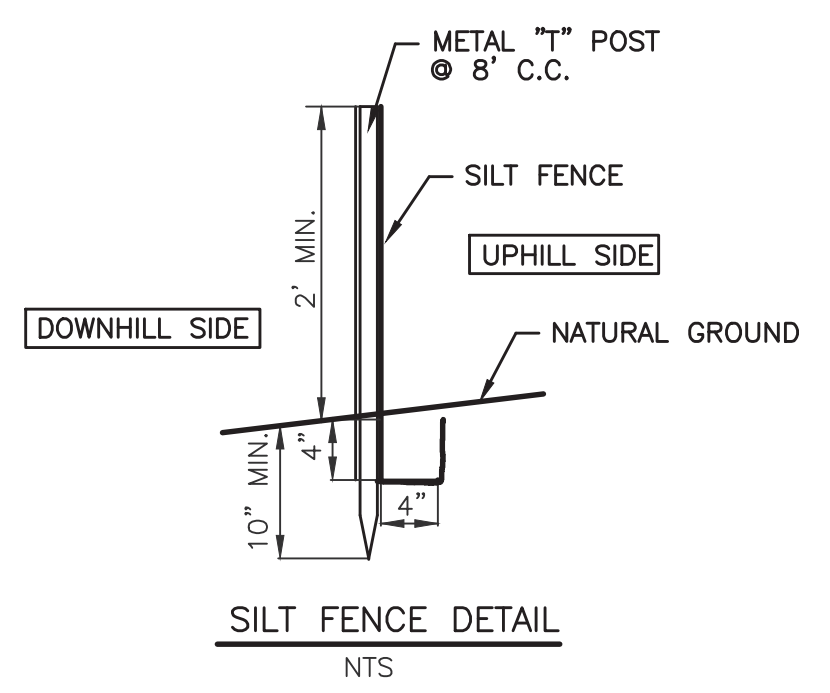


- GENERAL NOTES:**
1. SILT FENCE SHALL BE CONSTRUCTED FIRST IN CONSTRUCTION SEQUENCE OF DRAINAGE IMPROVEMENTS.
 2. ALL PERMANENT SEEDING SHALL BE ESTABLISHED ON ALL DISTURBED AREAS.
 3. EROSION CONTROL MEASURES SHALL BE INSTALLED AS REQUIRED FOR COMPLIANCE WITH MDEQ AND CITY OF RIDGELAND STORM WATER ORDINANCE.



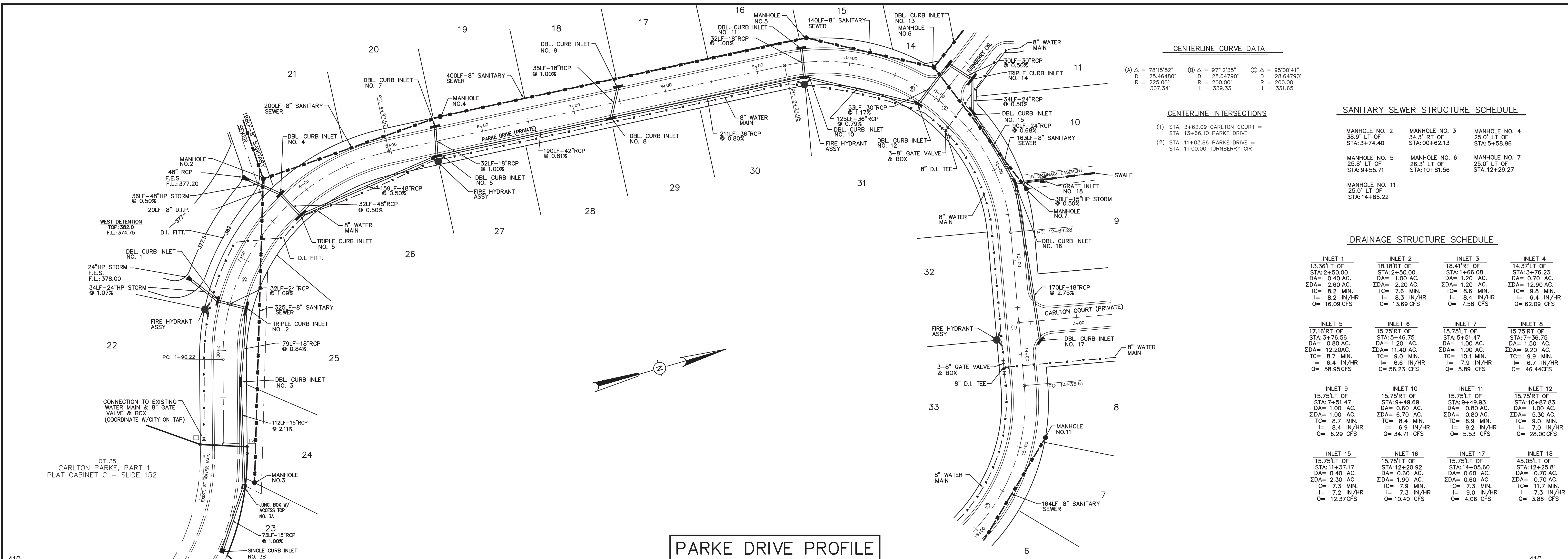
SYMBOLS FOR EROSION AND SEDIMENT CONTROL PRACTICES

- TEMPORARY PRACTICES**
- CONSTRUCTION ENTRANCE / EXIT
 - STORM DRAIN INLET PROTECTION (SILT FENCE, STRAW WATTLE)
 - SILT FENCE (METAL "T" POST)
 - UPSTREAM CULVERT PROTECTION
 - CONCRETE WASHOUT AREA
 - SANITARY FACILITIES
 - TRASH AREA
 - FUEL DEPOT
 - EQUIPMENT MAINTENANCE AREA
- VEGETATIVE PRACTICES**
- PERMANENT SEEDING & MULCHING



NOTE: REMOVE CULVERT PROTECTION ONCE FINAL VEGETATION HAS BEEN ESTABLISHED.

DRAWING NO. PROJECTS/2002/02117/CP3-WRK/CP2-PLANS.DWG



CENTERLINE CURVE DATA

Ⓐ Δ = 78°15'52"	Ⓑ Δ = 97°12'35"	Ⓒ Δ = 95°00'41"
D = 25.46480'	D = 28.64790'	D = 28.64790'
R = 225.00'	R = 200.00'	R = 200.00'
L = 307.34'	L = 339.33'	L = 331.65'

- CENTERLINE INTERSECTIONS**
- STA. 3+62.09 CARLTON COURT = STA. 13+66.10 PARKE DRIVE
 - STA. 11+03.86 PARKE DRIVE = STA. 1+00.00 TURNBERRY CIR

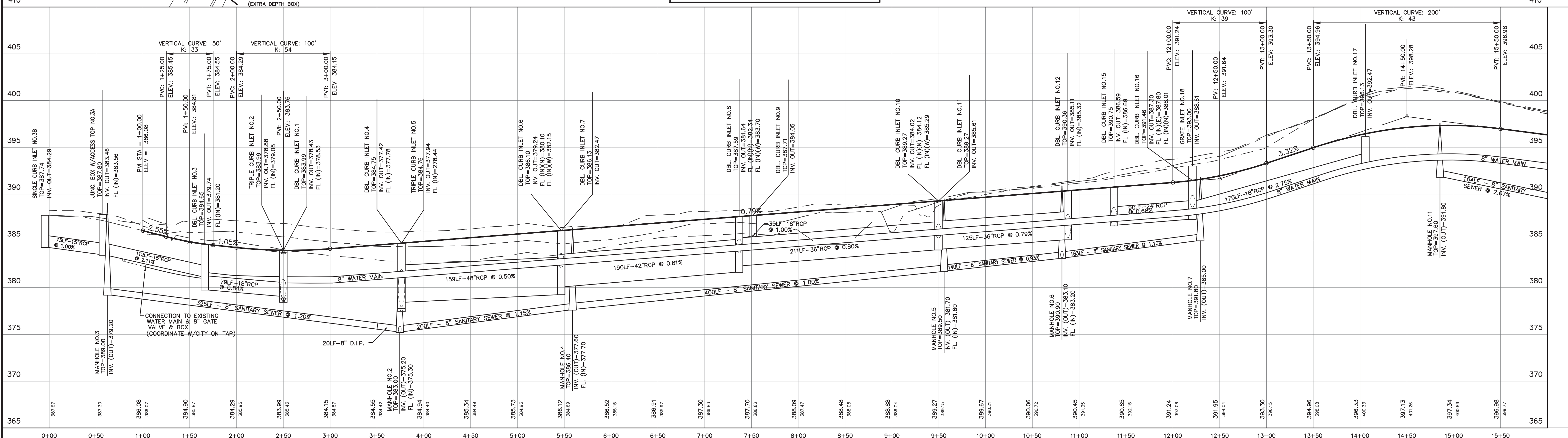
SANITARY SEWER STRUCTURE SCHEDULE

MANHOLE NO. 2 28.8' LT OF STA: 3+74.40	MANHOLE NO. 3 34.3' RT OF STA: 0+62.13	MANHOLE NO. 4 25.0' LT OF STA: 5+58.96
MANHOLE NO. 5 25.8' LT OF STA: 9+55.71	MANHOLE NO. 6 28.3' LT OF STA: 10+81.56	MANHOLE NO. 7 25.0' LT OF STA: 12+29.27
MANHOLE NO. 11 25.0' LT OF STA: 14+85.22		

DRAINAGE STRUCTURE SCHEDULE

INLET 1 13.36' LT OF STA: 2+50.00 DA= 0.40 AC. ΣDA= 2.60 AC. TC= 8.2 MIN. I= 8.2 IN/HR Q= 16.09 CFS	INLET 2 18.18' RT OF STA: 2+50.00 DA= 1.00 AC. ΣDA= 2.20 AC. TC= 7.6 MIN. I= 8.3 IN/HR Q= 13.69 CFS	INLET 3 18.41' RT OF STA: 1+66.08 DA= 1.20 AC. ΣDA= 1.20 AC. TC= 8.6 MIN. I= 8.4 IN/HR Q= 7.58 CFS	INLET 4 14.37' LT OF STA: 3+76.23 DA= 0.70 AC. ΣDA= 12.90 AC. TC= 9.8 MIN. I= 6.4 IN/HR Q= 62.09 CFS
INLET 5 17.16' RT OF STA: 3+76.56 DA= 0.80 AC. ΣDA= 12.20 AC. TC= 8.7 MIN. I= 6.4 IN/HR Q= 58.95 CFS	INLET 6 15.75' RT OF STA: 5+46.75 DA= 1.20 AC. ΣDA= 11.40 AC. TC= 8.0 MIN. I= 6.6 IN/HR Q= 56.23 CFS	INLET 7 15.75' LT OF STA: 5+51.47 DA= 1.00 AC. ΣDA= 6.70 AC. TC= 10.1 MIN. I= 5.9 IN/HR Q= 5.89 CFS	INLET 8 15.75' RT OF STA: 7+36.75 DA= 1.50 AC. ΣDA= 9.20 AC. TC= 9.9 MIN. I= 6.7 IN/HR Q= 46.44 CFS
INLET 9 15.75' LT OF STA: 7+51.47 DA= 1.00 AC. ΣDA= 1.00 AC. TC= 8.7 MIN. I= 8.4 IN/HR Q= 6.29 CFS	INLET 10 15.75' RT OF STA: 9+49.93 DA= 0.60 AC. ΣDA= 6.70 AC. TC= 8.4 MIN. I= 6.9 IN/HR Q= 34.71 CFS	INLET 11 15.75' LT OF STA: 9+49.93 DA= 0.80 AC. ΣDA= 0.80 AC. TC= 6.9 MIN. I= 9.2 IN/HR Q= 5.53 CFS	INLET 12 15.75' RT OF STA: 10+87.83 DA= 1.00 AC. ΣDA= 5.30 AC. TC= 9.0 MIN. I= 7.0 IN/HR Q= 28.00 CFS
INLET 15 15.75' LT OF STA: 11+37.17 DA= 0.40 AC. ΣDA= 2.30 AC. TC= 7.3 MIN. I= 7.2 IN/HR Q= 12.37 CFS	INLET 16 15.75' LT OF STA: 12+20.92 DA= 0.60 AC. ΣDA= 1.90 AC. TC= 7.9 MIN. I= 7.3 IN/HR Q= 10.40 CFS	INLET 17 15.75' LT OF STA: 14+05.60 DA= 0.60 AC. ΣDA= 0.60 AC. TC= 7.3 MIN. I= 9.0 IN/HR Q= 4.06 CFS	INLET 18 45.05' LT OF STA: 12+25.81 DA= 0.70 AC. ΣDA= 0.70 AC. TC= 11.7 MIN. I= 7.3 IN/HR Q= 3.66 CFS

PARKE DRIVE PROFILE



DRAWING NO. PROJECTS/2002/02117/CP3-WRK/CP2-PLANS.DWG

H D LANG AND ASSOCIATES, INC.
POST OFFICE BOX 16085 JACKSON, MISSISSIPPI 39236
601-362-4886

PROJECT
CARLTON PARKE, PART 2 LOTS 2-37

DESCRIPTION
**PLAN AND PROFILE
PARKE DRIVE (STA. 1+00 TO STA. 16+00)**

DATE	REVISION	BY
06-23-21	CITY COMMENTS	JBH
07-30-21	MSD COMMENTS	JBH
01-31-22	RECORD DRAWINGS	HVC

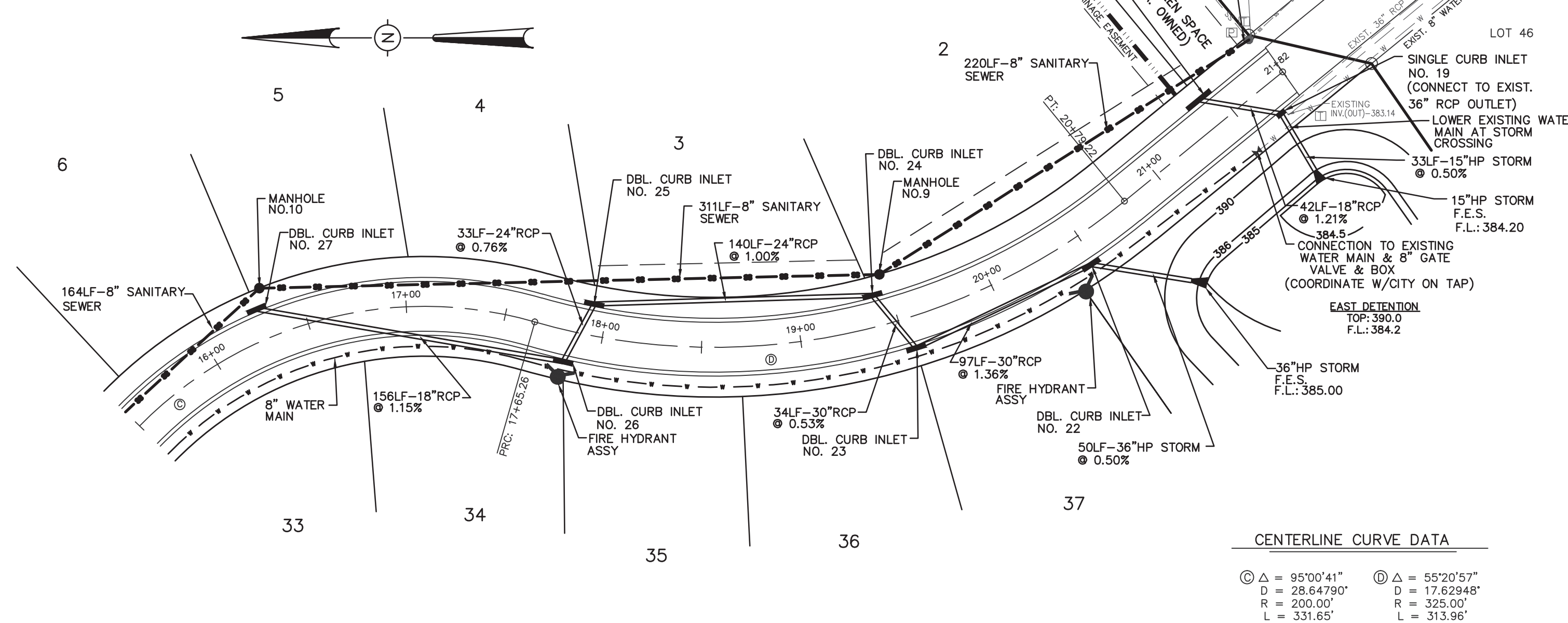
DRAWN BY: JBH
DATE: 05-26-21
HORIZ.: 1"=50' / VERT.: 1"=5'
PROJECT NO.: 02-117

DRAINAGE STRUCTURE SCHEDULE

INLET 19 15.75'RT OF STA: 21+67.78 DA= 0.10 AC. ΣDA= 1.10 AC. TC= 5.7 MIN. I= 8.5 IN/HR Q= 15.99 CFS	INLET 20 15.75'LT OF STA: 21+40.17 DA= 1.00 AC. ΣDA= 1.00 AC. TC= 8.3 MIN. I= 8.6 IN/HR Q= 6.41 CFS	15" PIPE I= 7.6 IN/HR Q= 9.00 CFS	INLET 22 15.75'RT OF STA: 20+47.63 DA= 0.50 AC. ΣDA= 5.10 AC. TC= 7.2 MIN. I= 7.6 IN/HR Q= 29.15 CFS	INLET 23 15.75'RT OF STA: 19+54.50 DA= 0.90 AC. ΣDA= 4.60 AC. TC= 9.0 MIN. I= 7.7 IN/HR Q= 26.64 CFS
INLET 24 15.75'LT OF STA: 19+40.70 DA= 0.40 AC. ΣDA= 3.70 AC. TC= 7.8 MIN. I= 7.8 IN/HR Q= 21.56 CFS	INLET 25 15.75'LT OF STA: 17+92.71 DA= 1.20 AC. ΣDA= 3.30 AC. TC= 8.5 MIN. I= 7.9 IN/HR Q= 19.55 CFS	INLET 26 15.75'RT OF STA: 17+83.49 DA= 0.90 AC. ΣDA= 2.10 AC. TC= 8.5 MIN. I= 8.0 IN/HR Q= 12.52 CFS	INLET 27 15.75'LT OF STA: 16+28.82 DA= 1.20 AC. ΣDA= 1.20 AC. TC= 9.2 MIN. I= 8.2 IN/HR Q= 7.36 CFS	INLET 28 DA= 0.20 AC. ΣDA= 0.20 AC. TC= 9.0 MIN. I= 8.3 IN/HR Q= 1.24 CFS

SANITARY SEWER STRUCTURE SCHEDULE

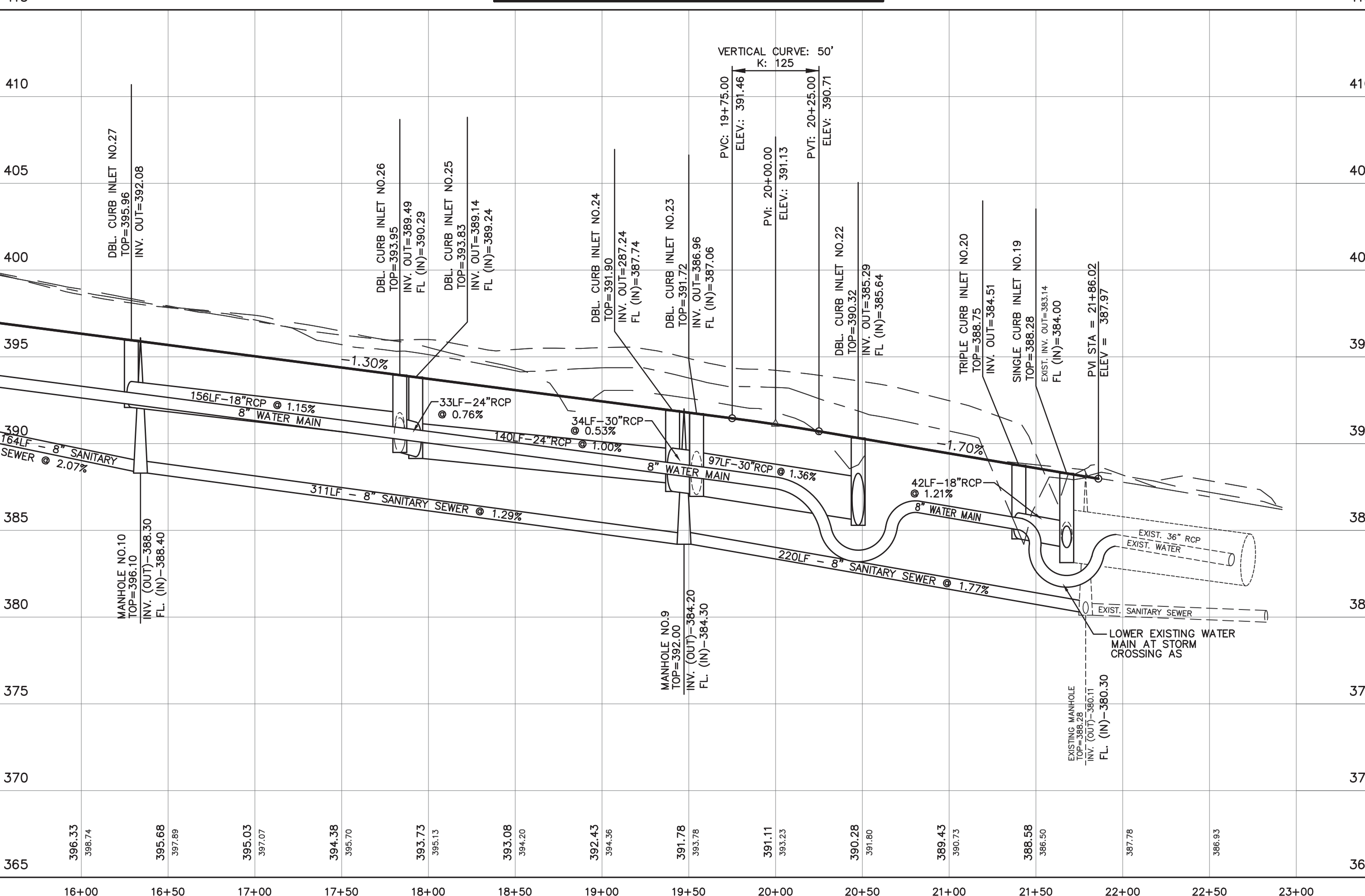
MANHOLE NO. 9 25.0' LT OF STA: 19+47.27	MANHOLE NO. 10 24.8' LT OF STA: 16+34.14	CARLTON PARKE, PART 1 PLAT CABINET C - SLIDE 152
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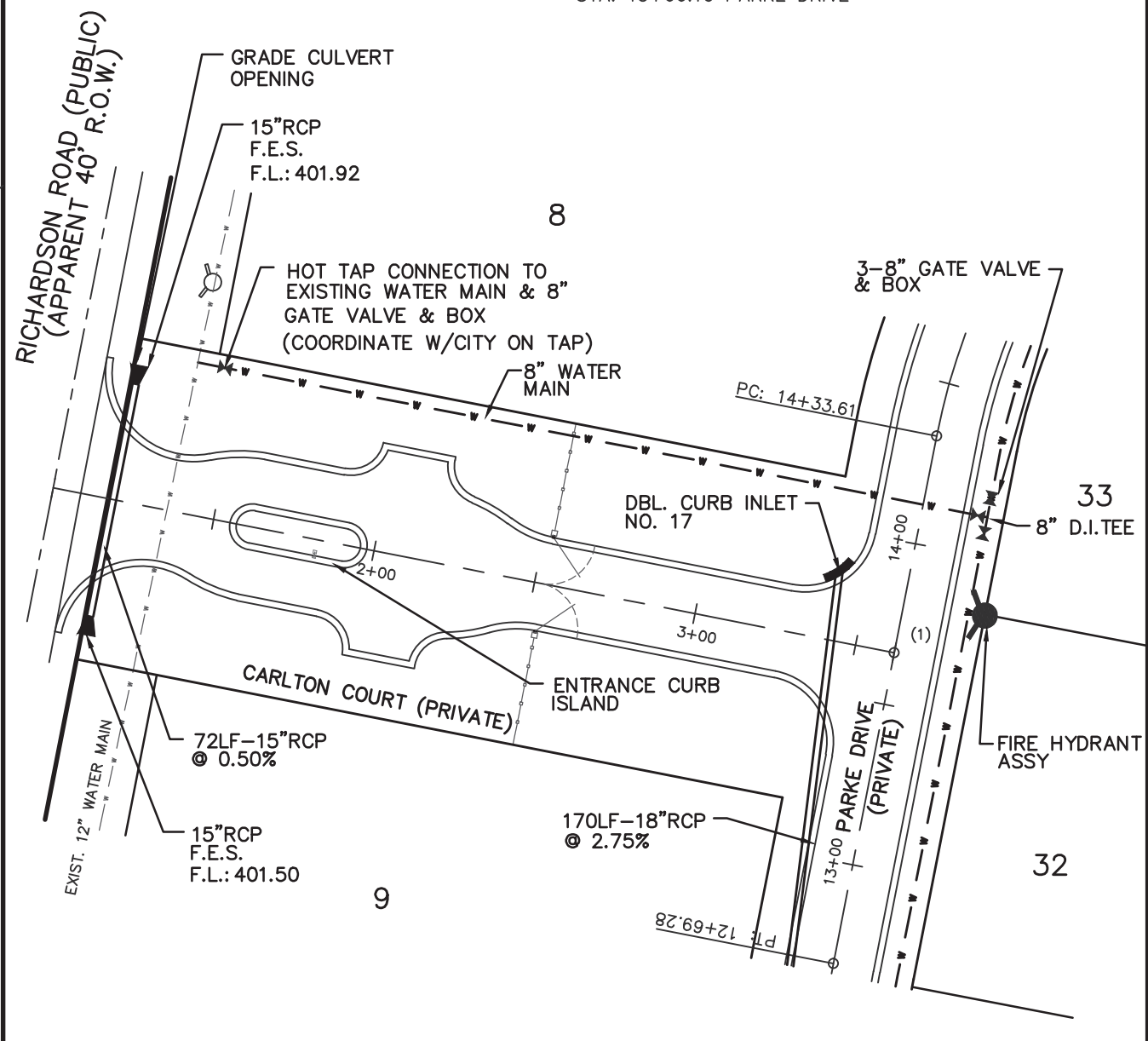
CENTERLINE CURVE DATA

⊙ Δ = 95°00'41"	⊙ Δ = 55°20'57"
D = 28.64790'	D = 17.62948'
R = 200.00'	R = 325.00'
L = 331.65'	L = 313.96'

PARKE DRIVE PROFILE



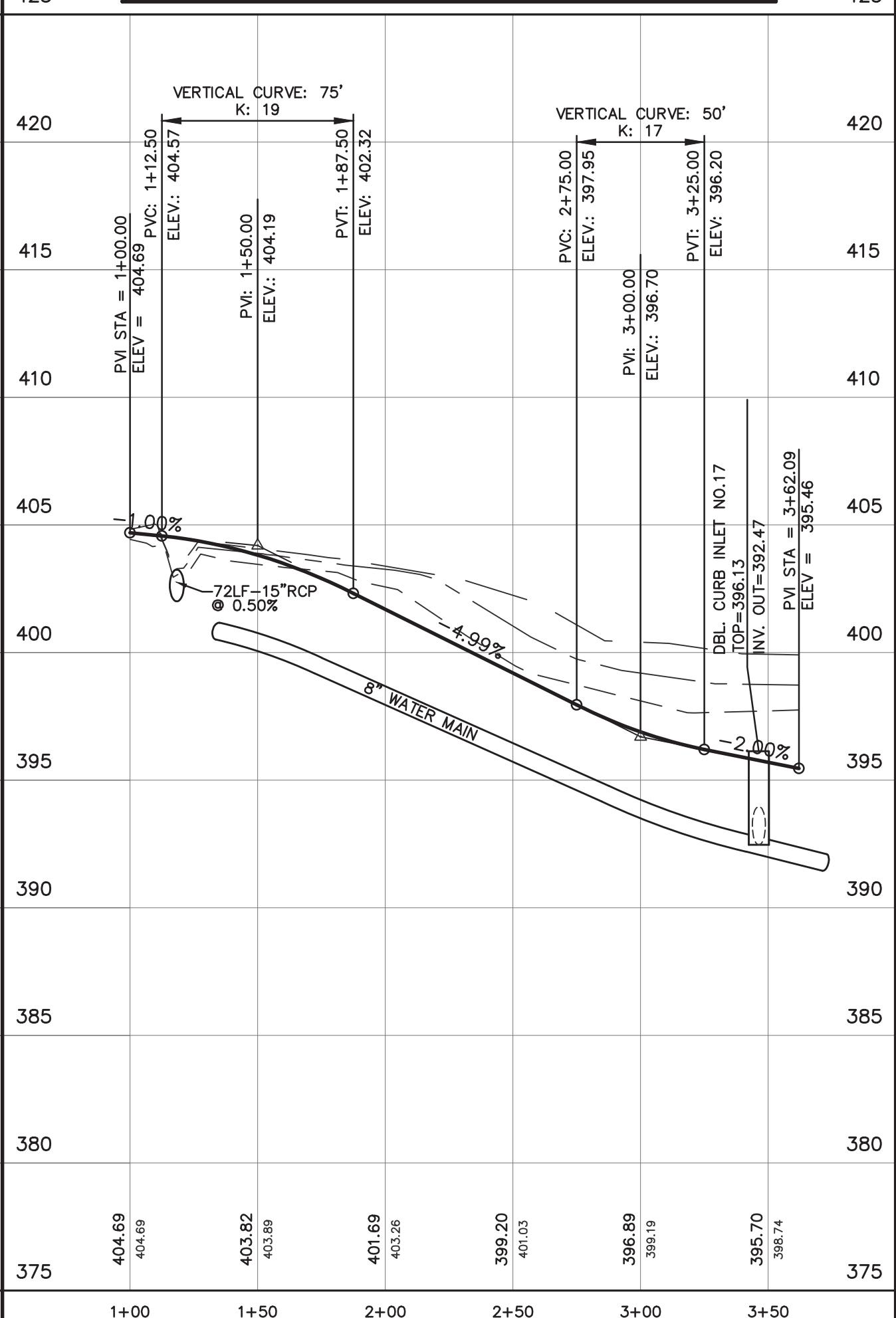
CENTERLINE INTERSECTIONS



DRAINAGE STRUCTURE SCHEDULE

CULVERT DA= 0.20 AC. ΣDA= 0.20 AC. TC= 9.0 MIN. I= 8.3 IN/HR Q= 1.24 CFS
--

CARLTON COURT PROFILE



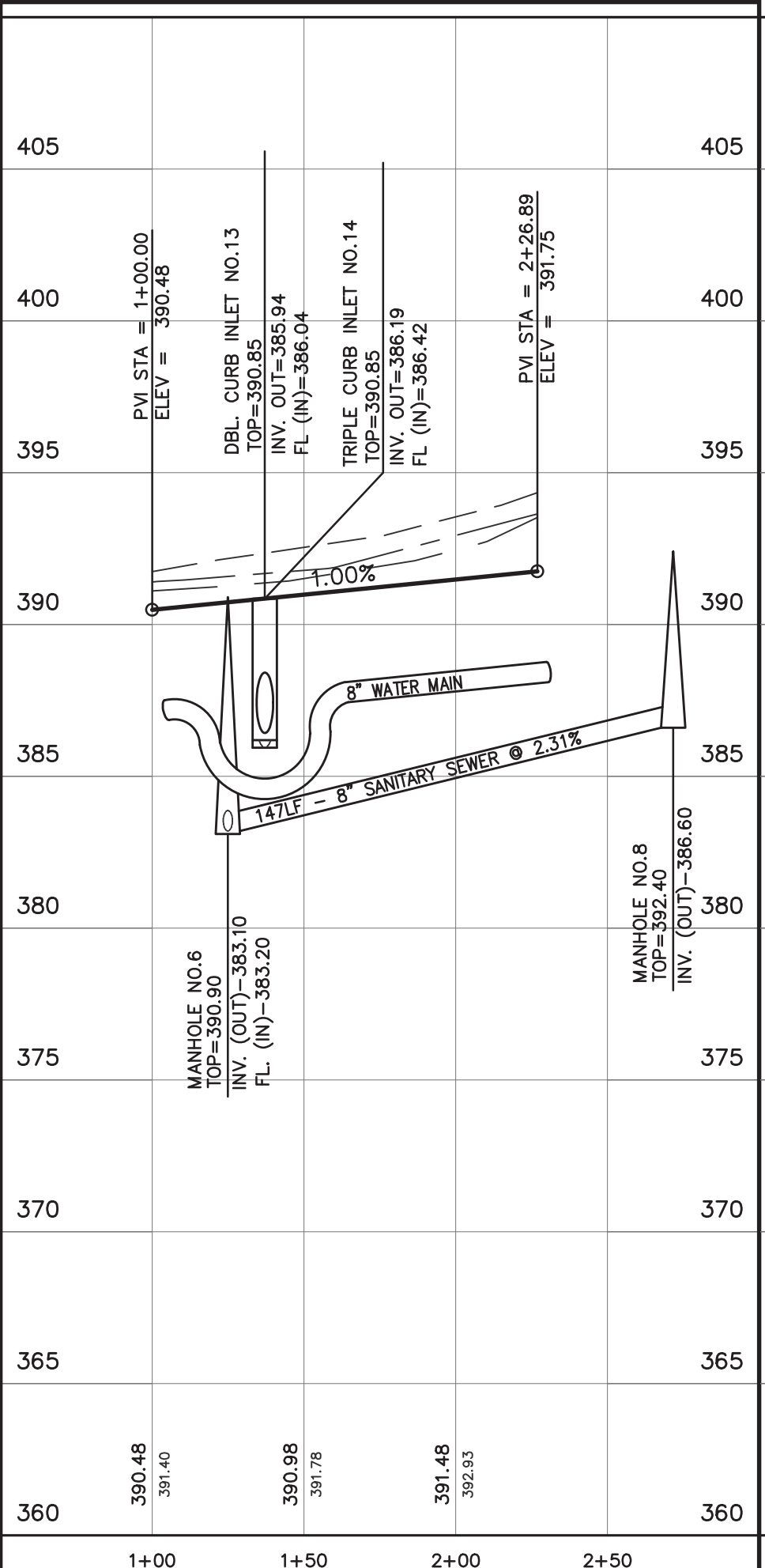
DRAINAGE STRUCTURE SCHEDULE

INLET 13 14.75'LT OF STA: 1+37.09 DA= 1.10 AC. ΣDA= 4.30 AC. TC= 8.6 MIN. I= 7.1 IN/HR Q= 22.88 CFS	INLET 14 14.75'RT OF STA: 1+37.09 DA= 0.90 AC. ΣDA= 3.20 AC. TC= 7.7 MIN. I= 7.1 IN/HR Q= 17.12 CFS
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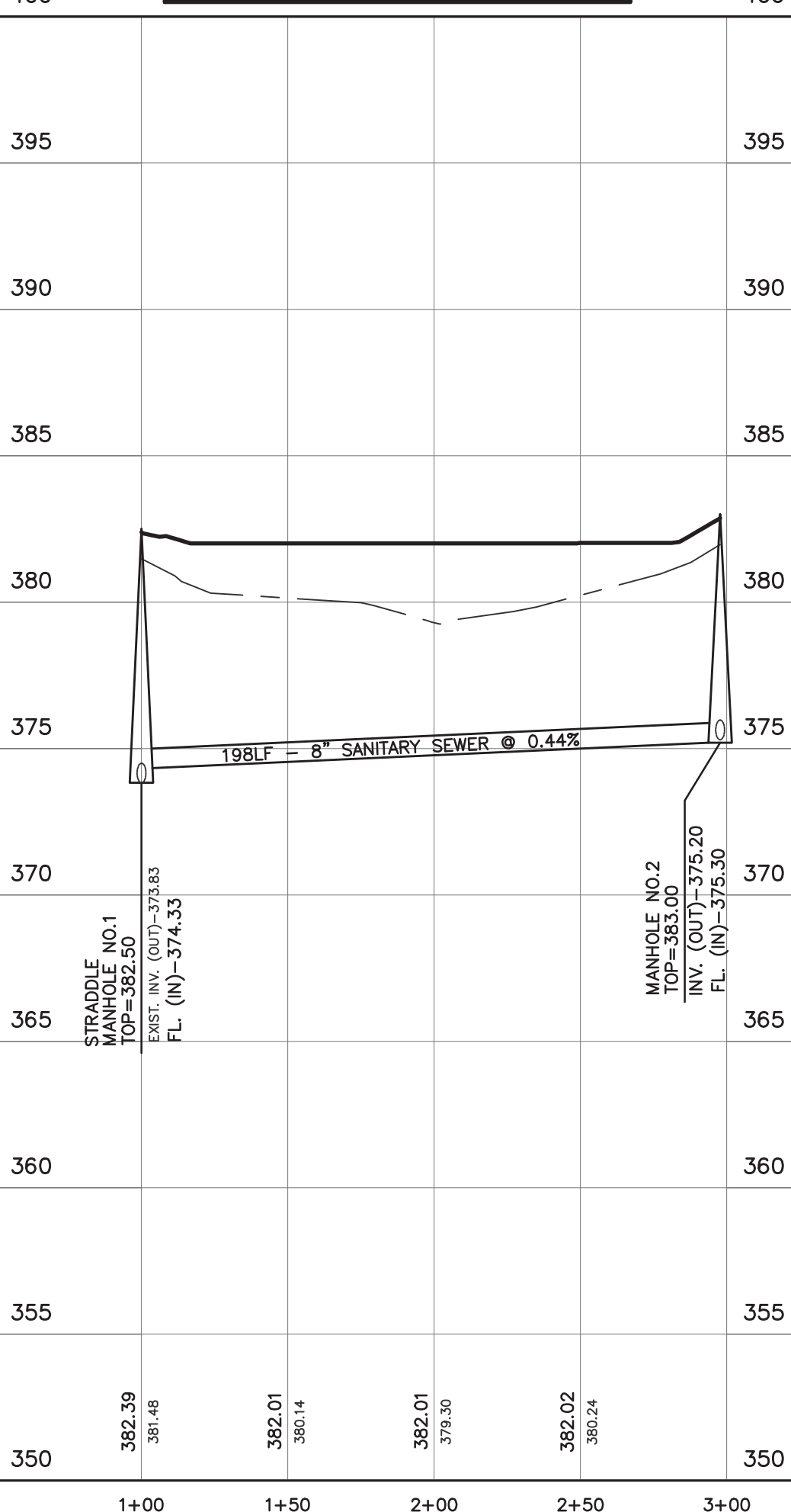
SANITARY SEWER STRUCTURE SCHEDULE

MANHOLE NO. 6 25.2' LT OF STA: 1+24.89	MANHOLE NO. 8 22.3' LT OF STA: 2+71.64
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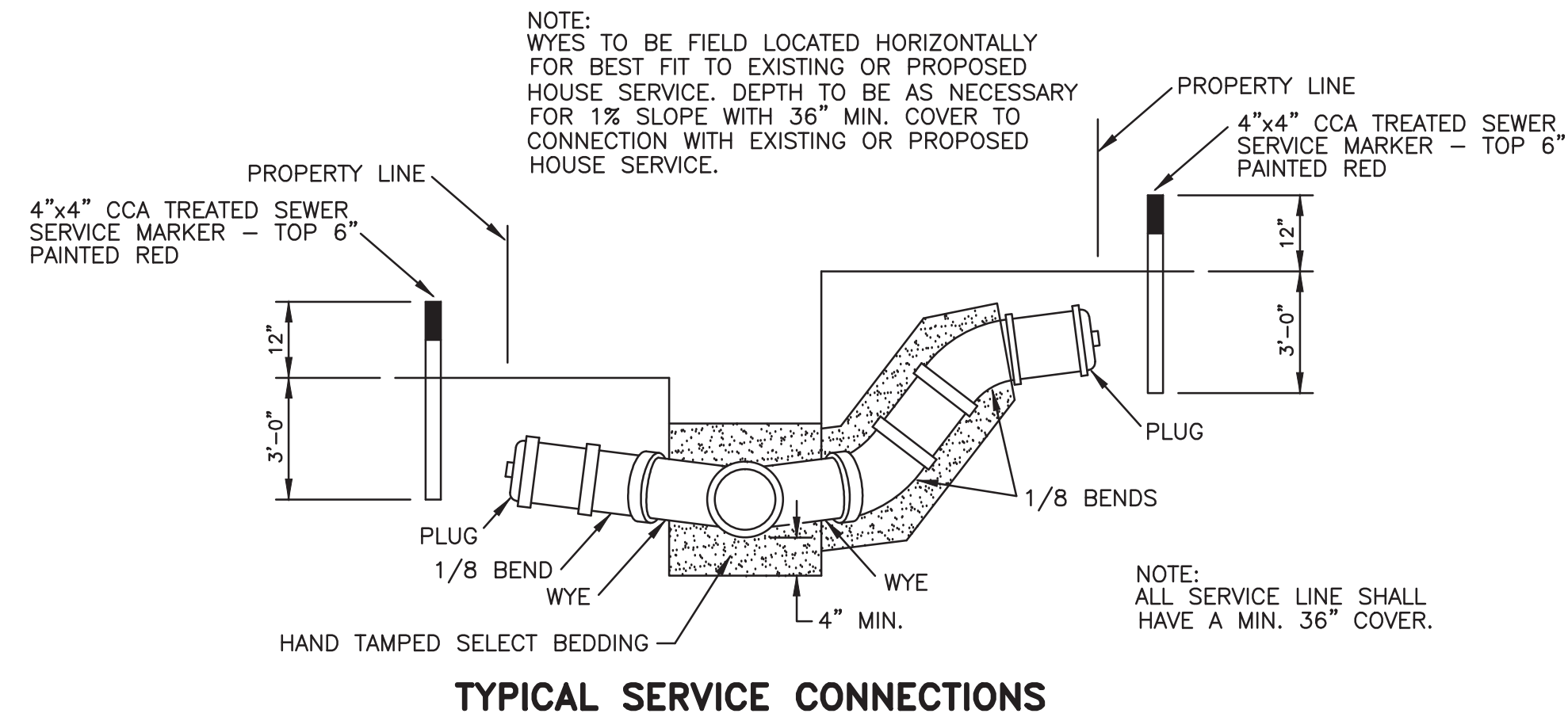
TURNBERRY CIR PROFILE



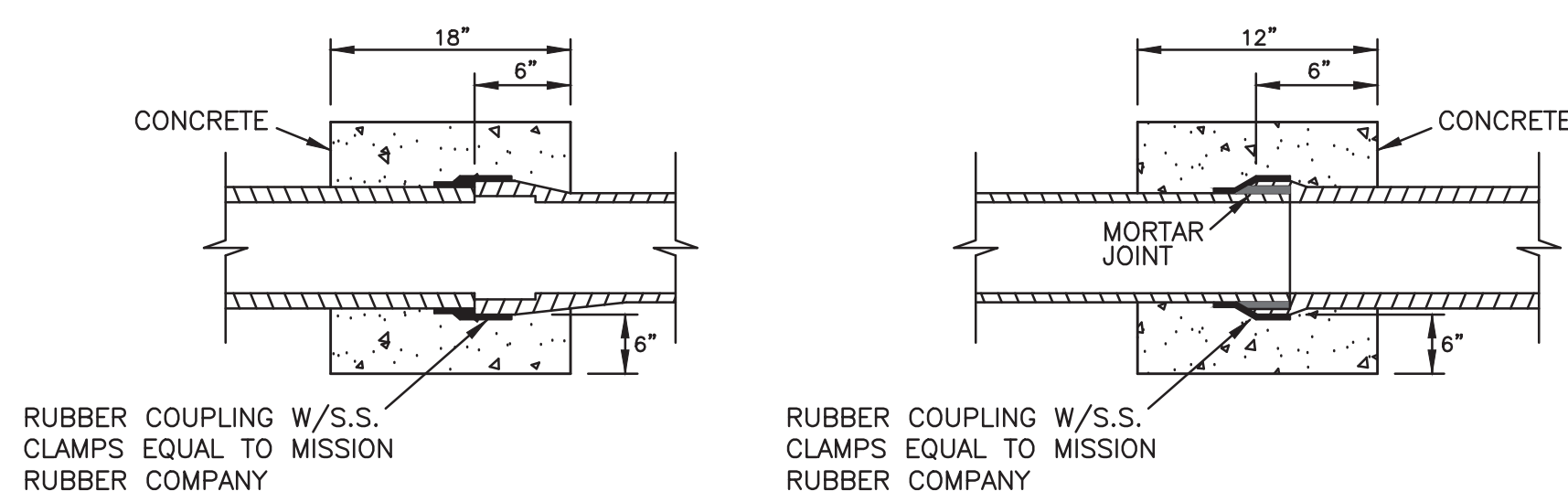
SEWER PROFILE



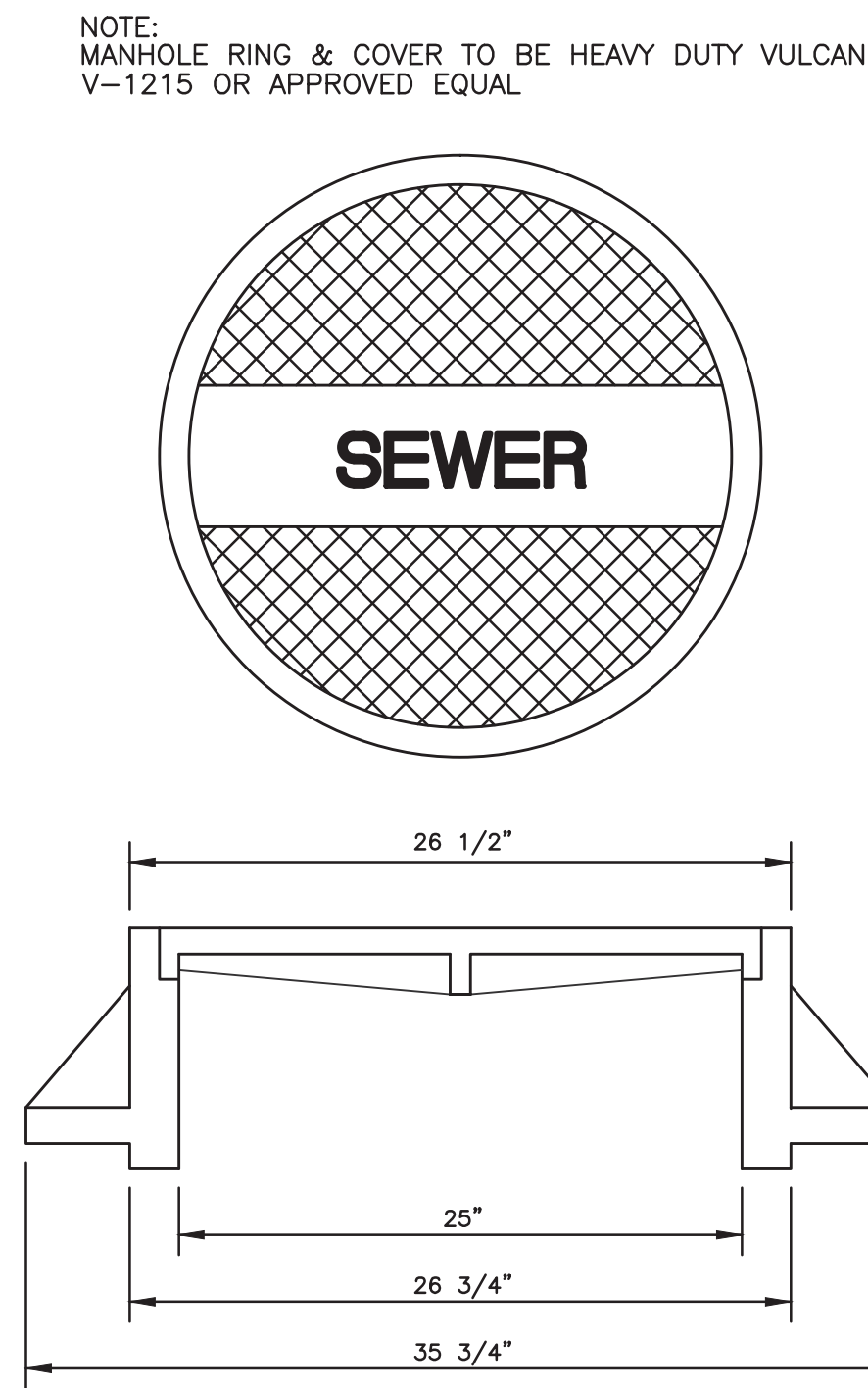
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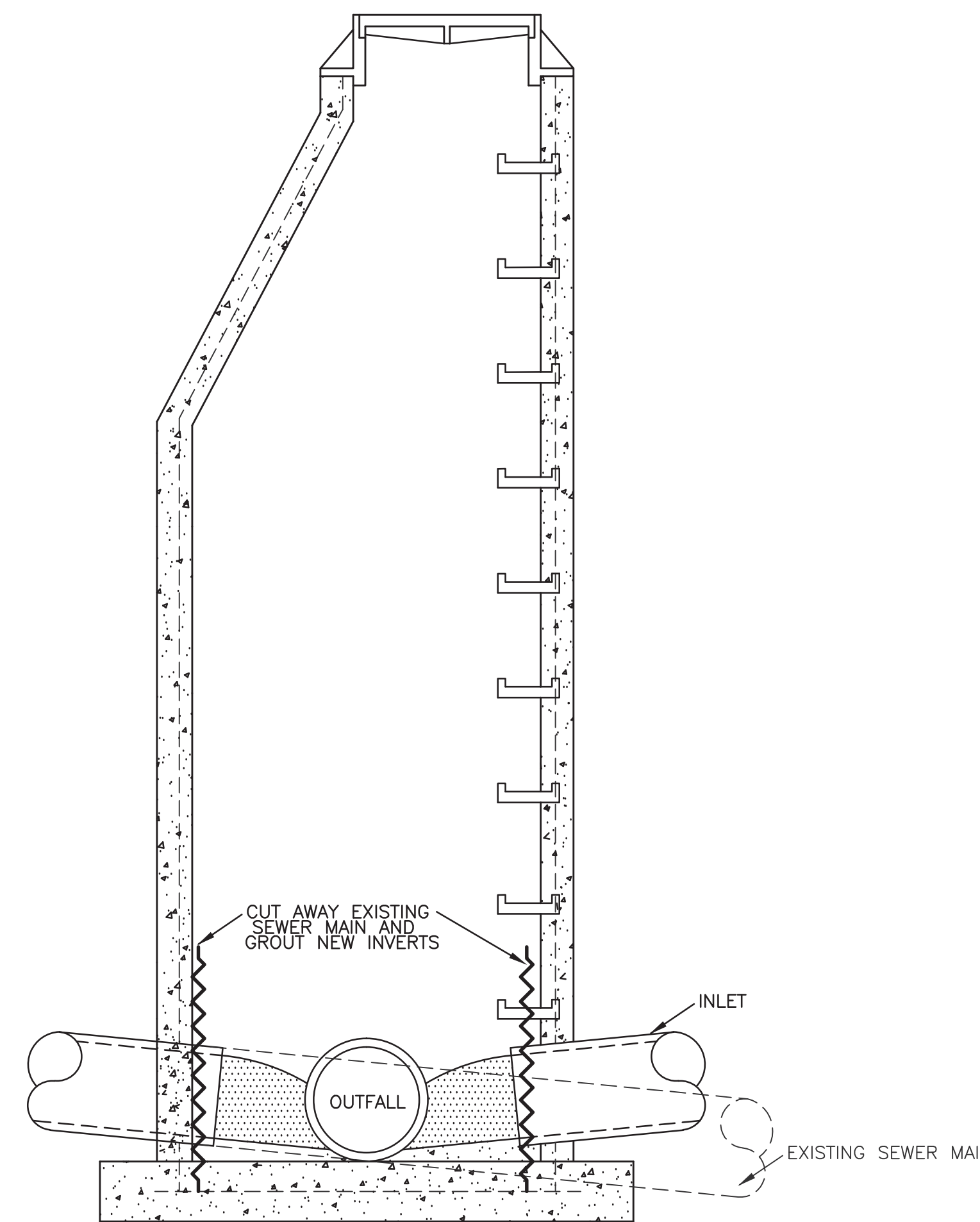
TYPICAL SERVICE CONNECTIONS



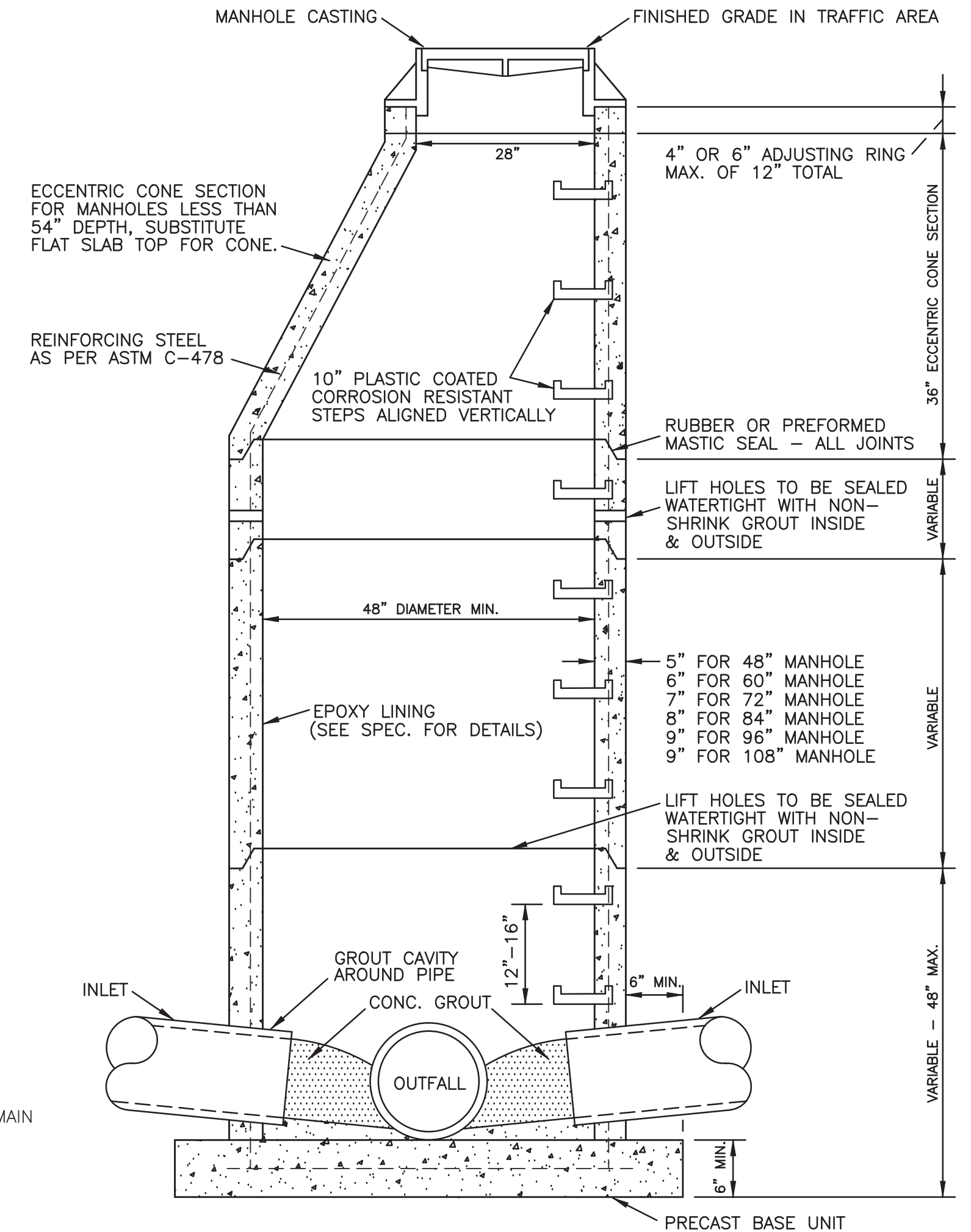
JOINTING DISSIMILAR PIPES



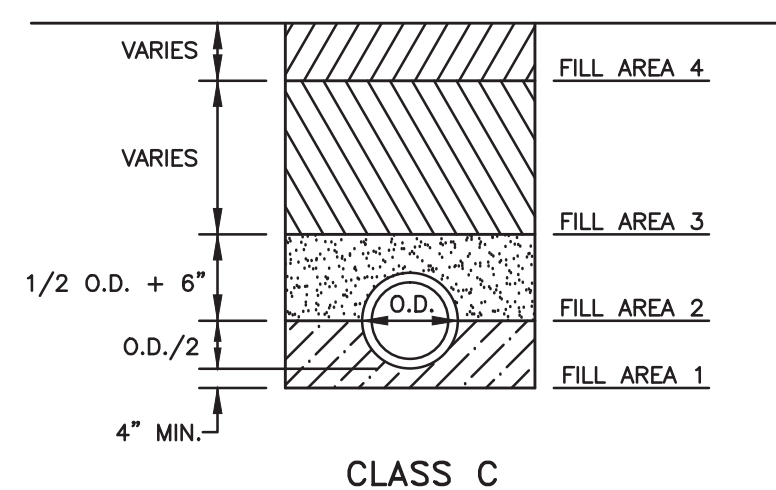
MANHOLE CASTING DETAILS



DETAIL OF STRADDLE MANHOLE CONNECTION

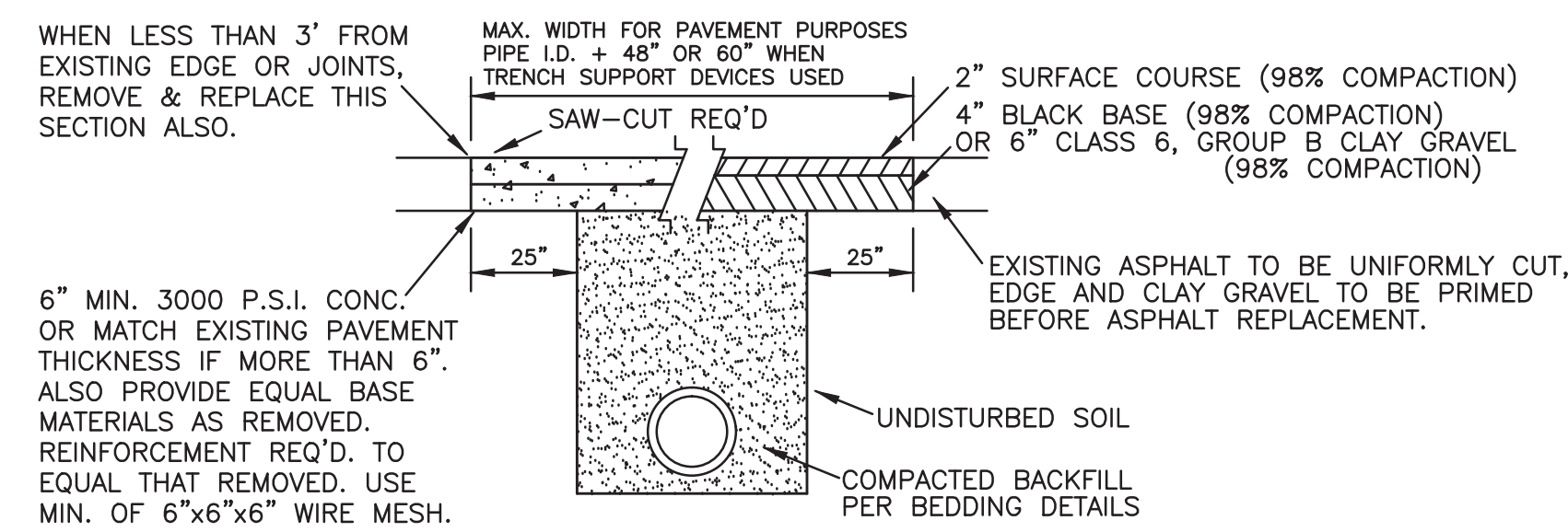


SECTION PRECAST CONCRETE MANHOLE

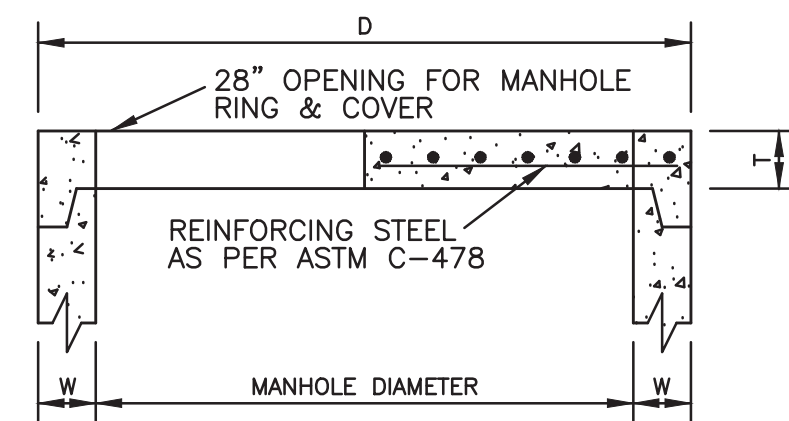


FILL AREA 1 (ALL LOCATIONS) - 6" MAXIMUM LOOSE LIFTS, HAND OR MECHANICALLY TAMPED TO 98% DENSITY.
 FILL AREA 2 (ALL LOCATIONS) - 6" MAXIMUM LOOSE LIFTS, HAND OR MECHANICALLY TAMPED TO 98% DENSITY.
 FILL AREA 3 (SELECT LOCATIONS) - 12" MAXIMUM LOOSE LIFTS, MECHANICALLY TAMPED TO 98% DENSITY.
 FILL AREA 4 - SEE PAVEMENT REPLACEMENT DETAIL FOR PAVED AREAS, AT OTHER LOCATIONS BRING FILL AREA 3 TO SURFACE.

BEDDING / BACKFILL DETAILS
SEE SPECIFICATIONS FOR MATERIALS

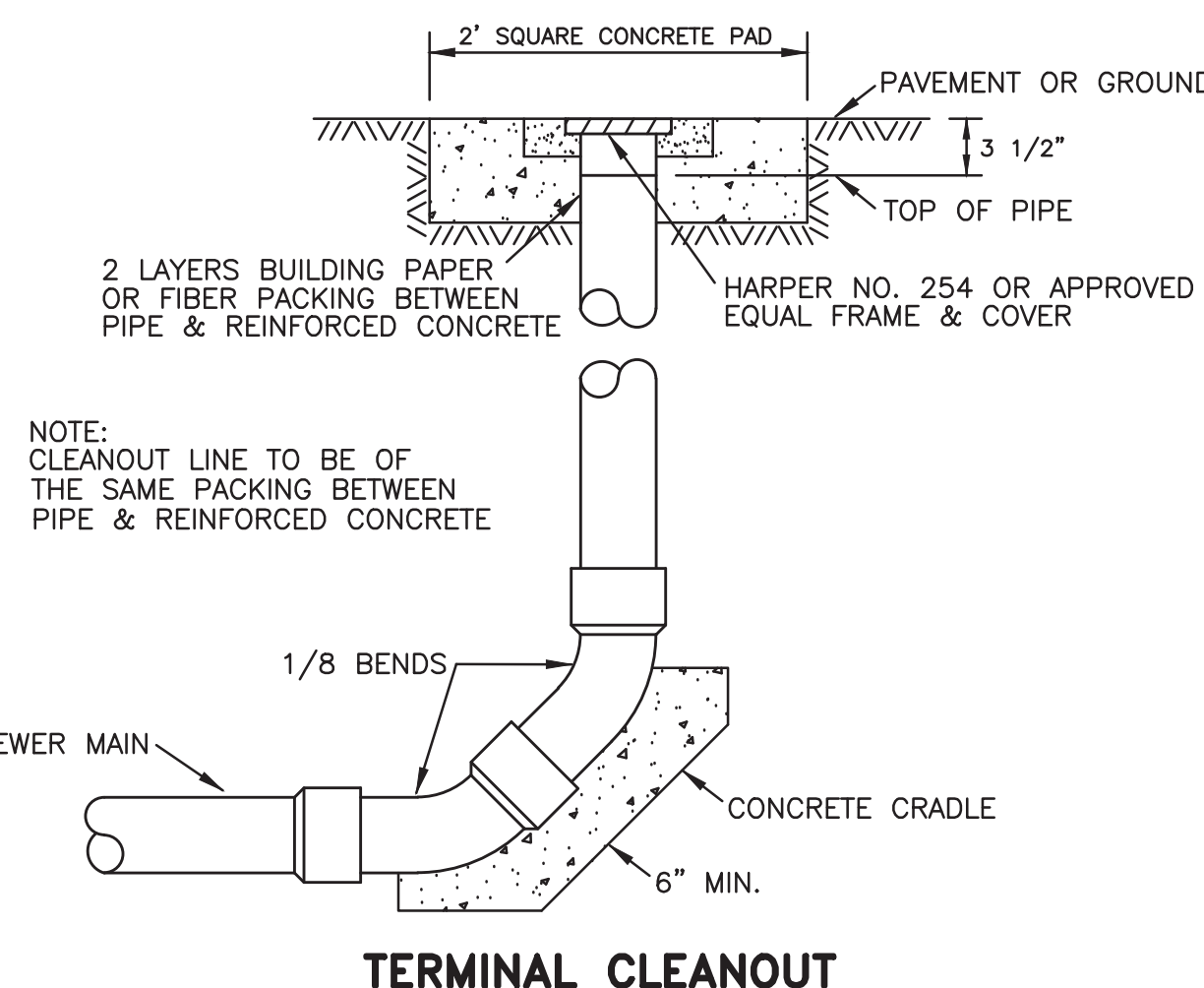


REMOVAL & REPLACEMENT OF EXISTING PAVEMENT

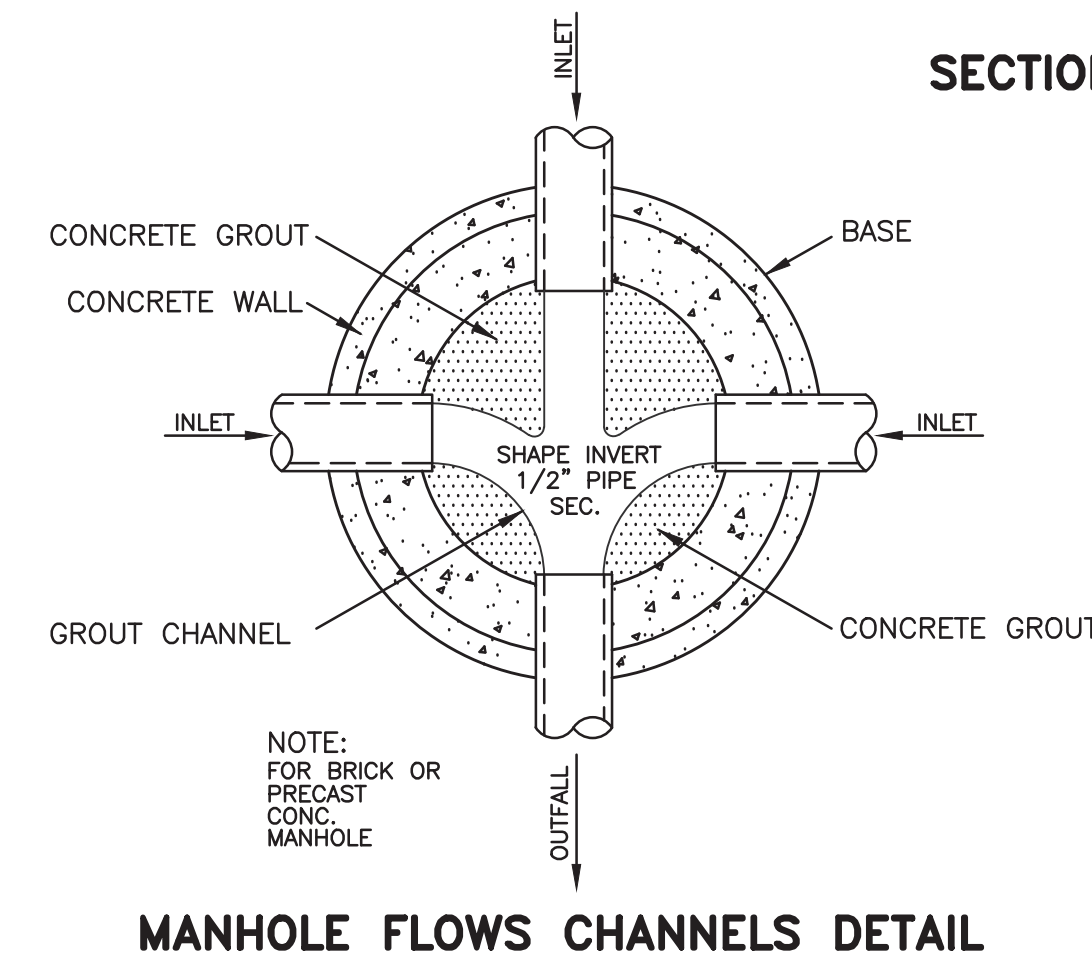


PIPE DIAMETER	W	D	T
48"	5"	58"	6"
60"	6"	72"	8"
72"	7"	86"	8"
84"	8"	100"	8"
96"	9"	114"	8"
108"	10"	126"	8"

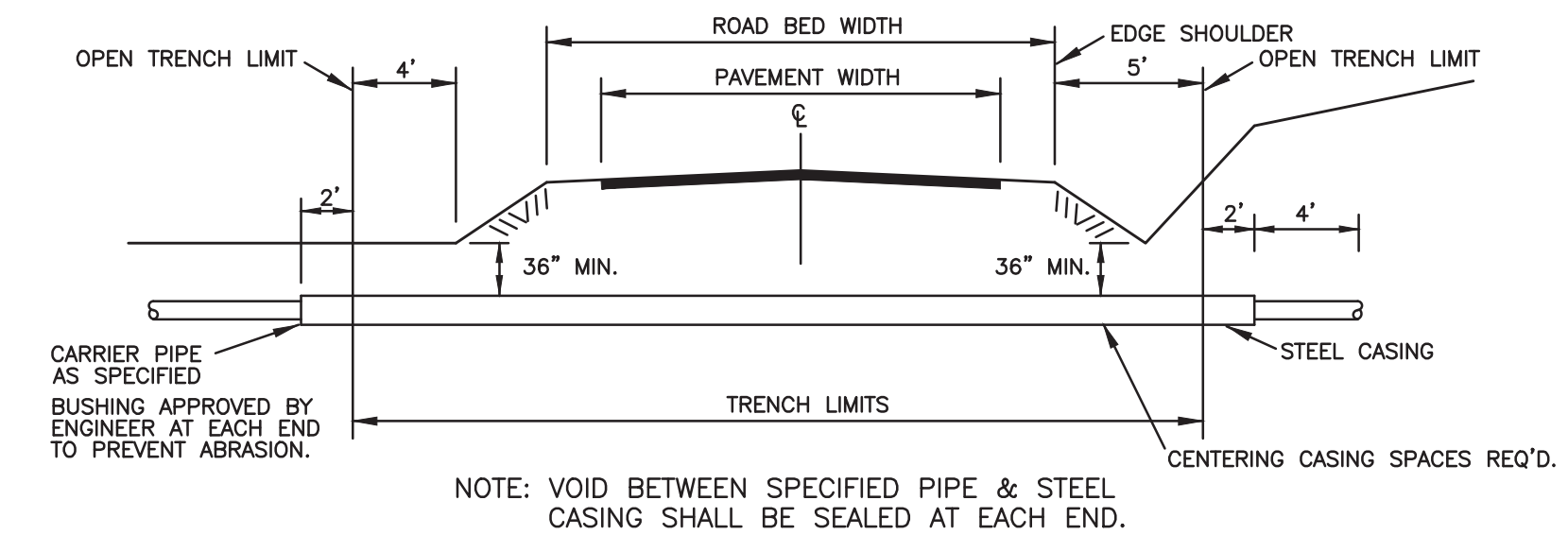
FLAT SLAB MANHOLE TOP



TERMINAL CLEANOUT



MANHOLE FLOWS CHANNELS DETAIL



TYPICAL ROAD BORE

H D LANG AND ASSOCIATES, INC.

POST OFFICE BOX 16085

JACKSON, MISSISSIPPI 39236

601-362-4886

PROJECT

DESCRIPTION

STANDARD SANITARY SEWER DETAILS

DATE

REVISION

BY

DRAWN BY:

DATE:

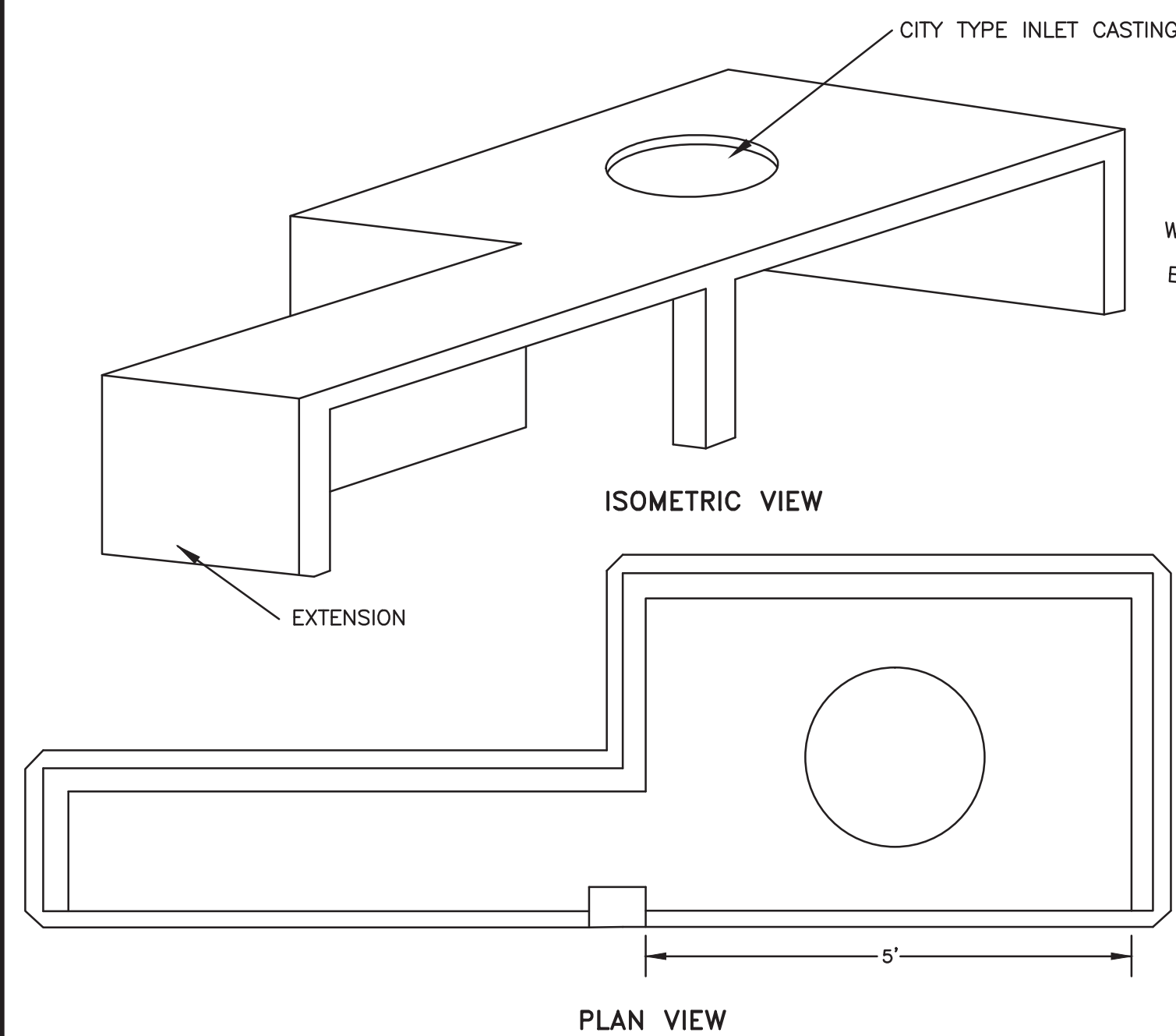
SCALE:

BOOK:

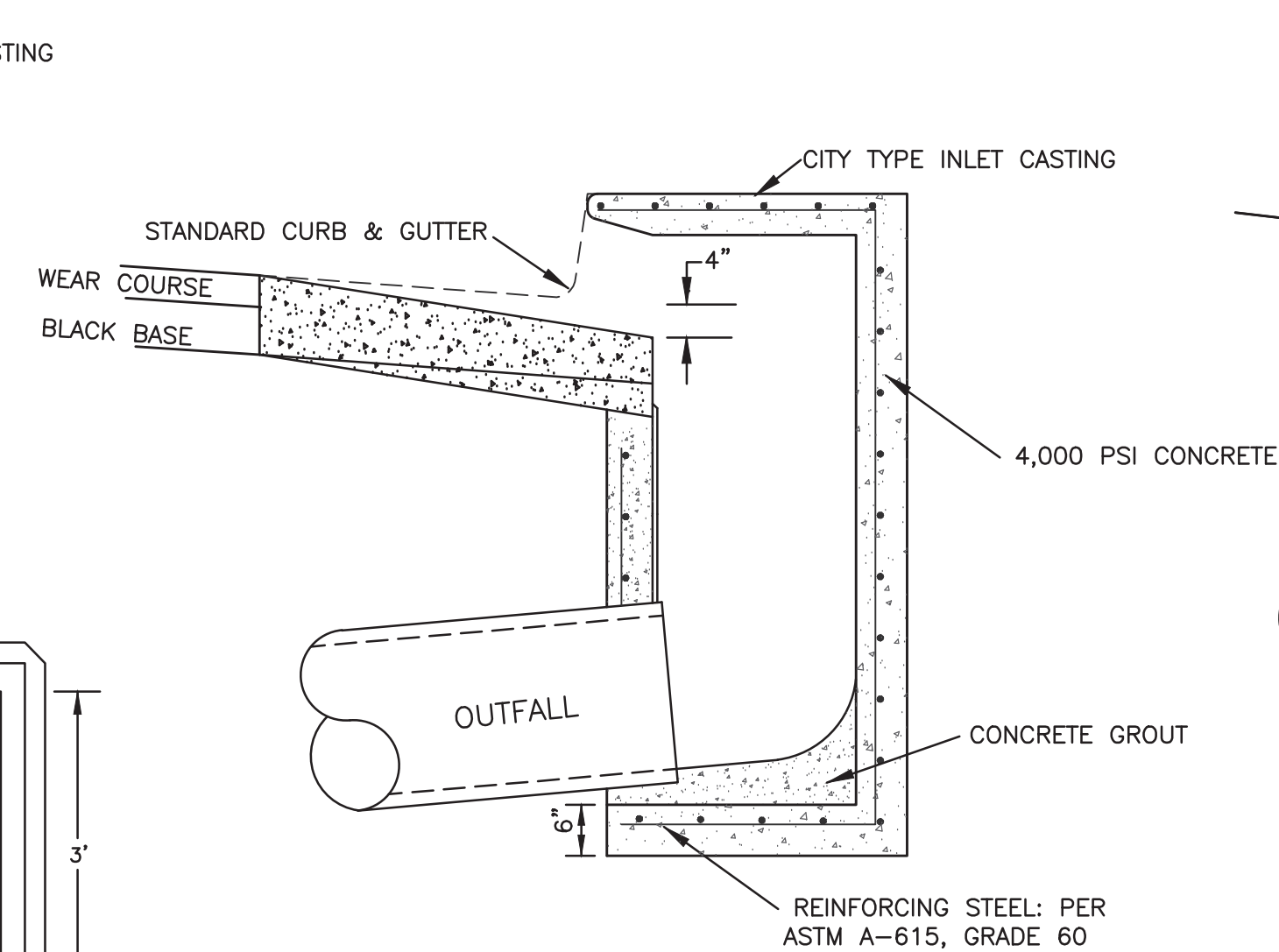
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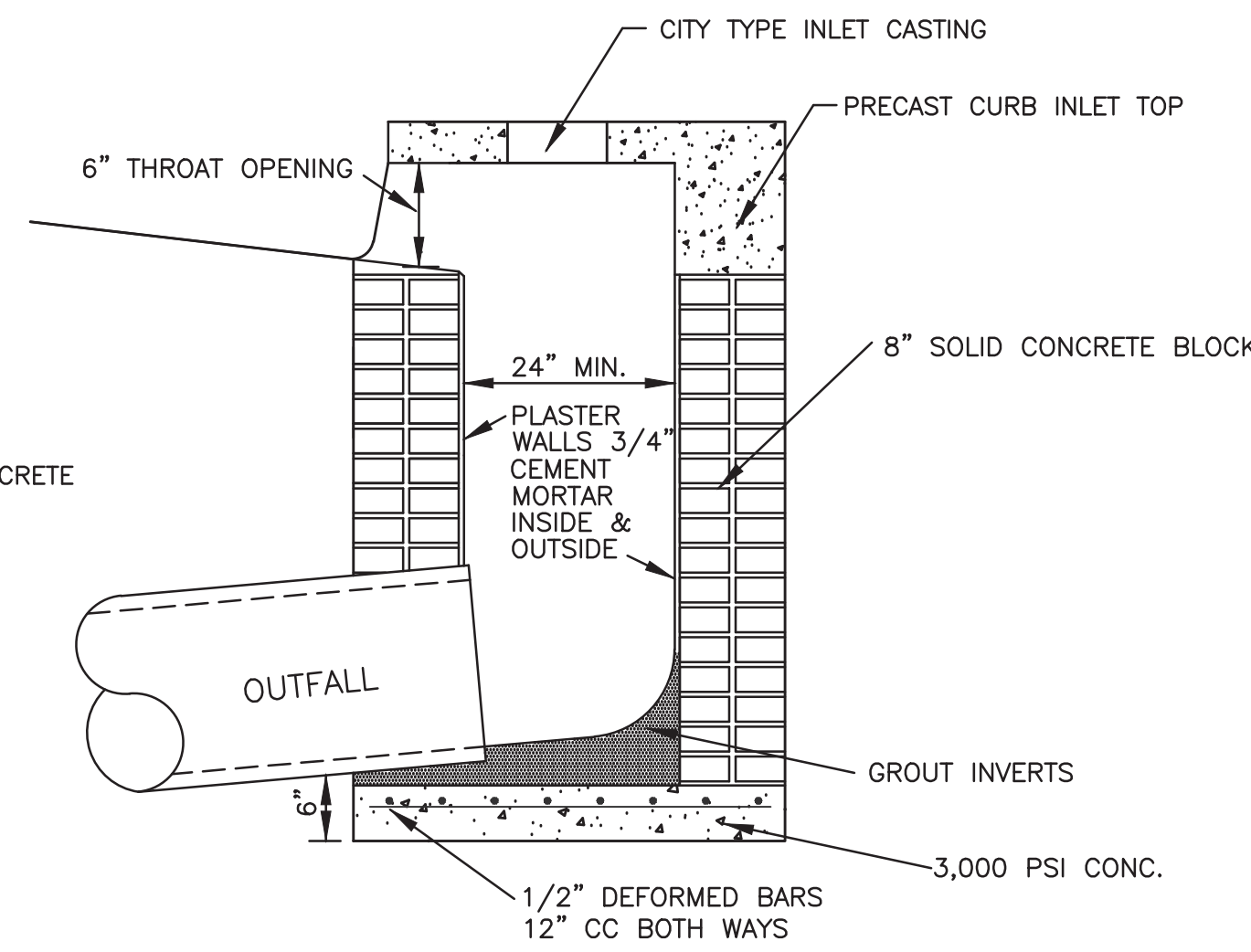
SHEET



PRECAST CURB INLET TOP & EXTENSIONS



PRECAST CURB INLET BOX



**ALTERNATE INLET BOX
STANDARD BLOCK BUILT INLET**

HP STORM TRENCH INSTALLATION DETAIL (ALTERNATE-NON PAVMENT)

TABLE 1. RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIA.	MIN. TRENCH WIDTH
12"	17"
15"	21"
18"	24"
24"	30"
30"	36"
36"	42"
42"	48"
48"	54"
54"	60"
60"	66"
66"	72"
72"	78"
78"	84"
84"	90"
90"	96"
96"	102"
102"	108"
108"	114"
114"	120"
120"	126"
126"	132"
132"	138"
138"	144"
144"	150"
150"	156"
156"	162"
162"	168"
168"	174"
174"	180"
180"	186"
186"	192"
192"	198"
198"	204"
204"	210"
210"	216"
216"	222"
222"	228"
228"	234"
234"	240"
240"	246"
246"	252"
252"	258"
258"	264"
264"	270"
270"	276"
276"	282"
282"	288"
288"	294"
294"	300"
300"	306"
306"	312"
312"	318"
318"	324"
324"	330"
330"	336"
336"	342"
342"	348"
348"	354"
354"	360"
360"	366"
366"	372"
372"	378"
378"	384"
384"	390"
390"	396"
396"	402"
402"	408"
408"	414"
414"	420"
420"	426"
426"	432"
432"	438"
438"	444"
444"	450"
450"	456"
456"	462"
462"	468"
468"	474"
474"	480"
480"	486"
486"	492"
492"	498"
498"	504"
504"	510"
510"	516"
516"	522"
522"	528"
528"	534"
534"	540"
540"	546"
546"	552"
552"	558"
558"	564"
564"	570"
570"	576"
576"	582"
582"	588"
588"	594"
594"	600"
600"	606"
606"	612"
612"	618"
618"	624"
624"	630"
630"	636"
636"	642"
642"	648"
648"	654"
654"	660"
660"	666"
666"	672"
672"	678"
678"	684"
684"	690"
690"	696"
696"	702"
702"	708"
708"	714"
714"	720"
720"	726"
726"	732"
732"	738"
738"	744"
744"	750"
750"	756"
756"	762"
762"	768"
768"	774"
774"	780"
780"	786"
786"	792"
792"	798"
798"	804"
804"	810"
810"	816"
816"	822"
822"	828"
828"	834"
834"	840"
840"	846"
846"	852"
852"	858"
858"	864"
864"	870"
870"	876"
876"	882"
882"	888"
888"	894"
894"	900"
900"	906"
906"	912"
912"	918"
918"	924"
924"	930"
930"	936"
936"	942"
942"	948"
948"	954"
954"	960"
960"	966"
966"	972"
972"	978"
978"	984"
984"	990"
990"	996"
996"	1002"
1002"	1008"
1008"	1014"
1014"	1020"
1020"	1026"
1026"	1032"
1032"	1038"
1038"	1044"
1044"	1050"
1050"	1056"
1056"	1062"
1062"	1068"
1068"	1074"
1074"	1080"
1080"	1086"
1086"	1092"
1092"	1098"
1098"	1104"
1104"	1110"
1110"	1116"
1116"	1122"
1122"	1128"
1128"	1134"
1134"	1140"
1140"	1146"
1146"	1152"
1152"	1158"
1158"	1164"
1164"	1170"
1170"	1176"
1176"	1182"
1182"	1188"
1188"	1194"
1194"	1200"

NOTES:

- MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL WHEN REQUIRED.
- SOIL CLASSIFICATIONS ARE PER THE LATEST VERSION OF ASTM D2321. CLASS I-VB MATERIALS (MH, CH) AS DEFINED IN PREVIOUS VERSIONS OF ASTM D2321 ARE NOT APPROPRIATE BACKFILL MATERIALS.
- FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER. AS AN ALTERNATE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
- BEDDING: SEE LATEST SPECIFICATIONS BY ADS.
- BACKFILL: SEE LATEST SPECIFICATIONS BY ADS.
- MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS IS 12" (300mm) FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOTATION.
- SELECT NATIVE CLEAN BACKFILL SHALL BE WELL PLACED, MODERATELY COMPACTED (85% SPD) CLASS IV OR BETTER PER ASTM D2321 WITH NO FOREIGN DEBRIS INCLUDING ROCKS, LARGE CLUMPS ORGANIC MATERIAL, OR FROZEN MATERIAL.
- HP STORM ALTERNATE TRENCH DETAIL ONLY APPLIES TO BACKFILL INSTALLATIONS IN NON-TRAFFIC APPLICATIONS PER IN 2.04A. ALTERNATE TRENCH USE MUST BE APPROVED BY DESIGN ENGINEER. DETAIL DOES NOT SUPERSEDE ADS STANDARD DETAIL STD-108.

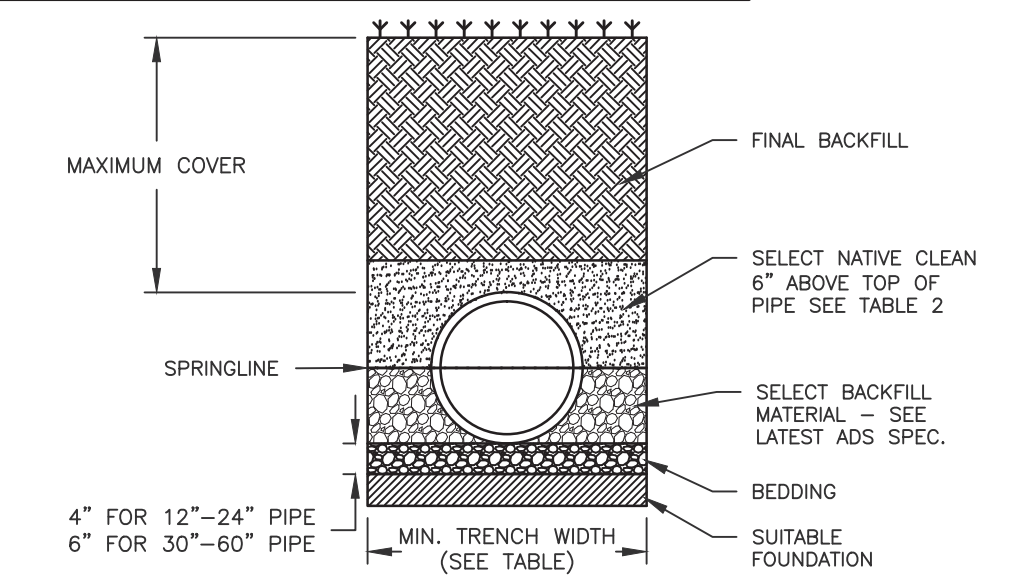
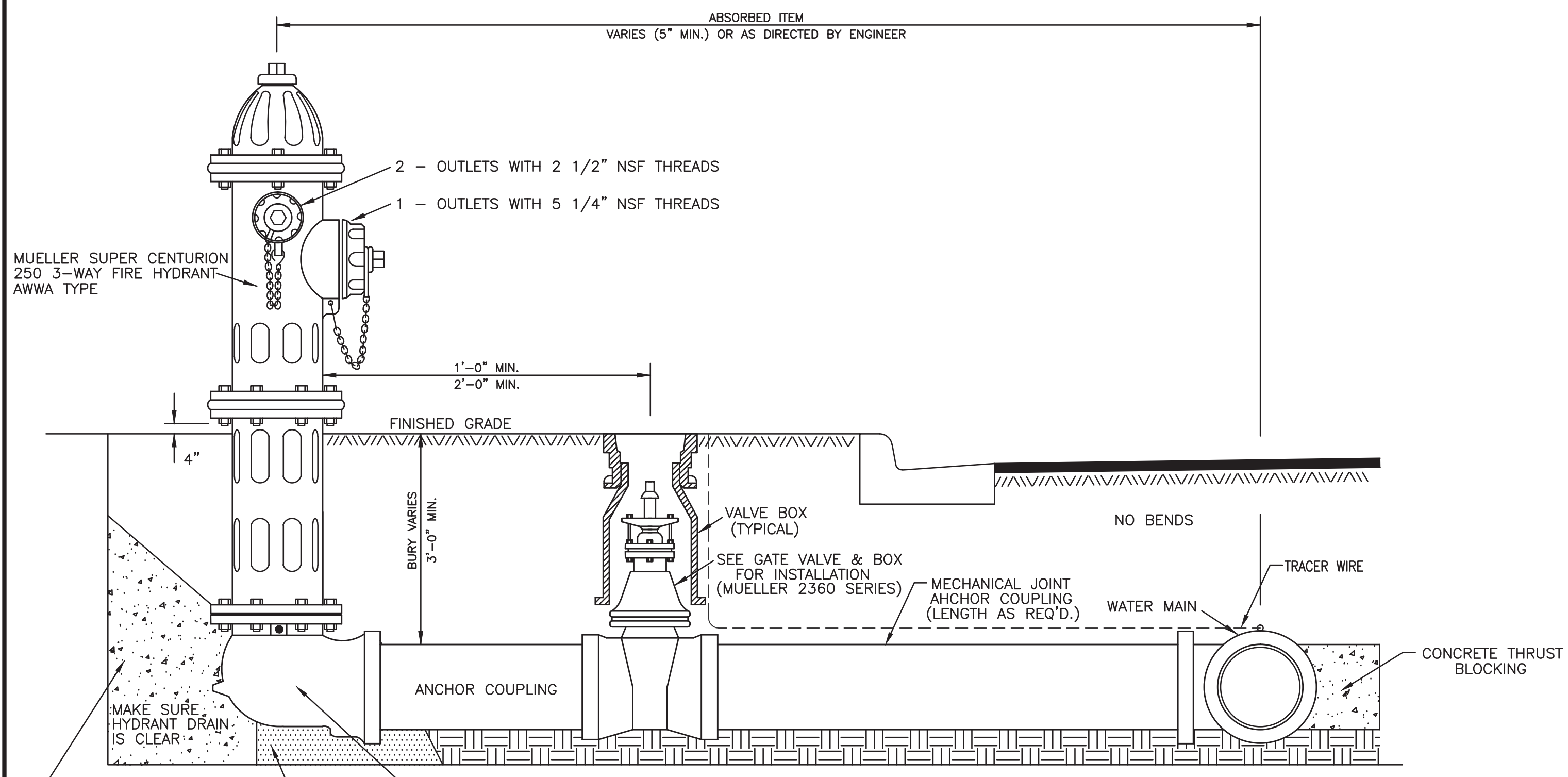


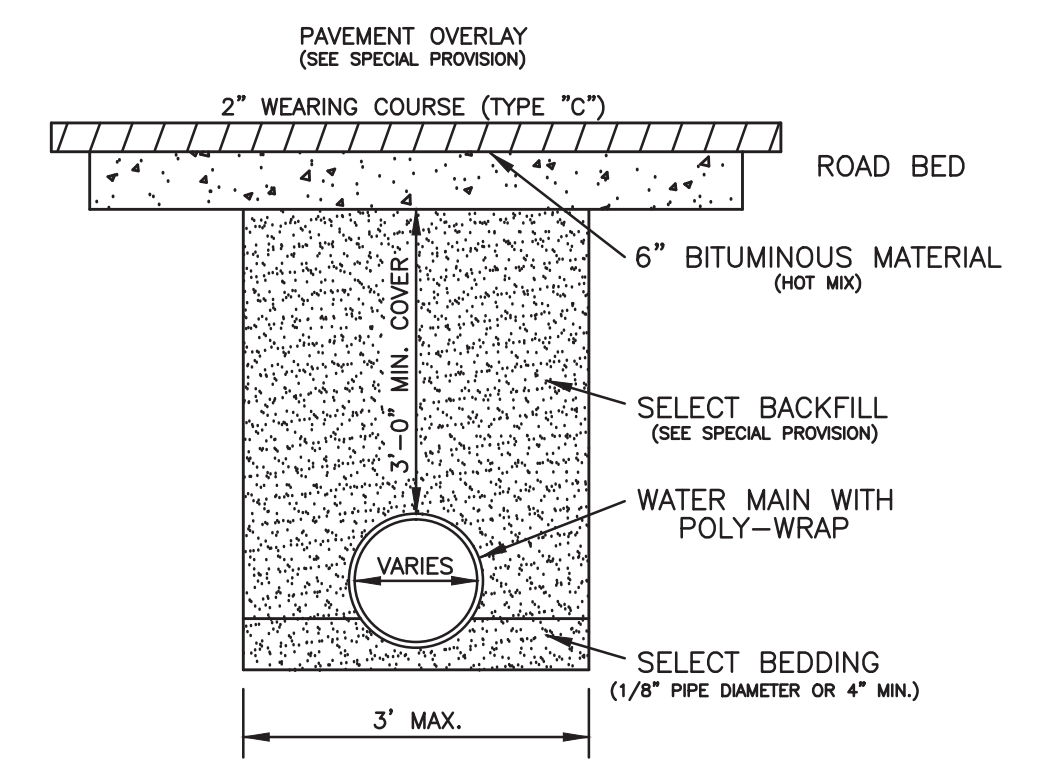
TABLE 2. MAXIMUM COVER FOR ADS HP STORM PIPE, ALTERNATE INSTALLATION, ft. (x=120)

PIPE DIA.	SELECT NATIVE CLEAN MATERIAL CLASSIFICATION			
	CLASS II	CLASS III	CLASS IV	CLASS V
12"	1.7	1.4	1.1	0.8
15"	2.1	1.7	1.3	1.0
18"	2.4	1.9	1.4	1.1
24"	3.0	2.4	1.8	1.3
30"	3.6	2.9	2.1	1.6
36"	4.2	3.4	2.5	1.9
42"	4.8	3.9	2.9	2.2
48"	5.4	4.4	3.3	2.5
54"	6.0	4.9	3.7	2.8
60"	6.6	5.4	4.1	3.1
66"	7.2	5.9	4.5	3.4
72"	7.8	6.4	4.9	3.7
78"	8.4	6.9	5.3	4.0
84"	9.0	7.4	5.7	4.3
90"	9.6	7.9	6.1	4.6
96"	10.2	8.4	6.5	4.9
102"	10.8	8.9	6.9	5.2
108"	11.4	9.4	7.3	5.5
114"	12.0	9.9	7.7	5.8
120"	12.6	10.4	8.1	6.1
126"	13.2	10.9	8.5	6.4
132"	13.8	11.4	8.9	6.7
138"	14.4	11.9	9.3	7.0
144"	15.0	12.4	9.7	7.3
150"	15.6	12.9	10.1	7.6
156"	16.2	13.4	10.5	7.9
162"	16.8	13.9	10.9	8.2
168"	17.4	14.4	11.3	8.5
174"	18.0	14.9	11.7	8.8
180"	18.6	15.4	12.1	9.1
186"	19.2	15.9	12.5	9.4
192"	19.8	16.4	12.9	9.7
198"	20.4	16.9	13.3	10.0
204"	21.0	17.4	13.7	10.3
210"	21.6	17.9	14.1	10.6
216"	22.2	18.4	14.5	10.9
222"	22.8	18.9	14.9	11.2
228"	23.4	19.4	15.3	11.5
234"	24.0	19.9	15.7	11.8
240"	24.6	20.4	16.1	12.1
246"	25.2	20.9	16.5	12.4
252"	25.8	21.4	16.9	12.7
258"	26.4	21.9	17.3	13.0
264"	27.0	22.4	17.7	13.3
270"	27.6	22.9	18.1	13.6
276"	28.2	23.4	18.5	13.9
282"	28.8	23.9	18.9	14.2
288"	29.4	24.4	19.3	14.5
294"	30.0	24.9	19.7	14.8
300"	30.6	25.4	20.1	15.1
306"	31.2	25.9	20.5	15.4
312"	31.8	26.4	20.9	15.7
318"	32.4	26.9	21.3	16.0
324"	33.0	27.4	21.7	16.3
330"	33.6	27.9	22.1	16.6
336"	34.2	28.4	22.5	16.9
342"	34.8	28.9	22.9	17.2
348"	35.4	29.4	23.3	17.5
354"	36.0	29.9	23.7	17.8
360"	36.6	30.4	24.1	18.1
366"	37.2	30.9	24.5	18.4
372"	37.8	31.4	24.9	18.7
378"	38.4	31.9	25.3	19.0
384"	39.0	32.4	25.7	19.3
390"	39.6	32.9	26.1	19.6
396"	40.2	33.4	26.5	19.9
402"	40.8	33.9	26.9	20.2
408"	41.4	34.4	27.3	20.5
414"	42.0	34.9	27.7	20.8
420"	42.6	35.4	28.1	21.1
426"	43.2	35.9	28.5	21.4
432"	43.8	36.4	28.9	21.7
438"	44.4	36.9	29.3	22.0
444"	45.0	37.4	29.7	22.3
450"	45.6	37.9	30.1	22.6
456"	46.2	38.4	30.5	22.9
462"	46.8	38.9	30.9	23.2
468"	47.4	39.4	31.3	23.5
474"	48.0	39.9	31.7	23.8
480"	48.6	40.4	32.1	24.1
486"	49.2	40.9	32.5	24.4
492"	49.8	41.4	32.9	24.7
498"	50.4	41.9	33.3	25.0
504"	51.0	42.4	33.7	25.3
510"	51.6	42.9	34.1	25.6
516"	52.2	43.4	34.5	25.9
522"	52.8	43.9	34.9	26.2
528"	53.4	44.4	35.3	26.5
534"	54.0	44.9	35.7	26.8
540"	54.6	45.4	36.1	27.1
546"	55.2	45.9	36.5	27.4
552"	55.8	46.4	36.9	27.7
558"	56.4	46.9	37.3	28.0
564"	57.0	47.4	37.7	28.3
570"	57.6	47.9	38.1	28.6
576"	58.2	48.4	38.5	28.9
582"	58.8	48.9	38.9	29.2
588"	59.4	49.4	39.3	29.5
594"	60.0	49.9	39.7	29.8
600"	60.6	50.4	40.1	30.1
606"	61.2	50.9	40.5	30.4
612"	61.8	51.4	40.9	30.7
618"	62.4	51.9	41.3	31.0
624"	63.0	52.4	41.7	31.3
630"	63.6	52.9	42.1	31.6
636"	64.2	53.4	42.5	31.9
642"	64.8	53.9	42.9	32.2
648"	65.4	54.4	43.3	32.5
654"	66.0	54.9	43.7	32.8
660"	66.6	55.4	44.1	33.1
666"	67.2	55.9	44.5	33.4
672"	67.8	56.4	44.9	33.7
678"	68.4	56.9	45.3	34.0
684"	69.0	57.4	45.7	34.3
690"	69.6	57.9	46.1	34.6
696"	70.2	58.4	46.5	34.9
702"	70.8	58.9	46.9	35.2
708"	71.4	59.4	47.3	35.5
714"	72.0	59.9	47.7	35.8
720"	72.6	60.4	48.1	36.1
726"	73.2	60.9	48.5	36.4
732"	73.8	61.4	48.9	36.7
738"	74.4	61.9	49.3	37.0
744"	75.0	62.4	49.7	37.3
750"	75.6	62.9	50.1	37.6
756"	76.2	63.4	50.5	37.9
762"	76.8	63.9	50.9	38.2
768"	77.4	64.4	51.3	38.5
774"	78.0	64.9	51.7	38.8
780"	78.6	65.4	52.1	39.1
786"	79.2	65.9	52.5	39.4
792"	79.8	66.4	52.9	39.7
798"	80.4	66.9	53.3	40.0
804"	81.0	67.4	53.7	40.3
810"	81.6	67.9	54.1	40.6
816"	82.2	68.4	54.5	40.9
822"	82.8	68.9	54.9	41.2
828"	83.4	69.4	55.3	41.5
834"	84.0	69.9	55.7	41.8
840"	84.6	70.4	5	

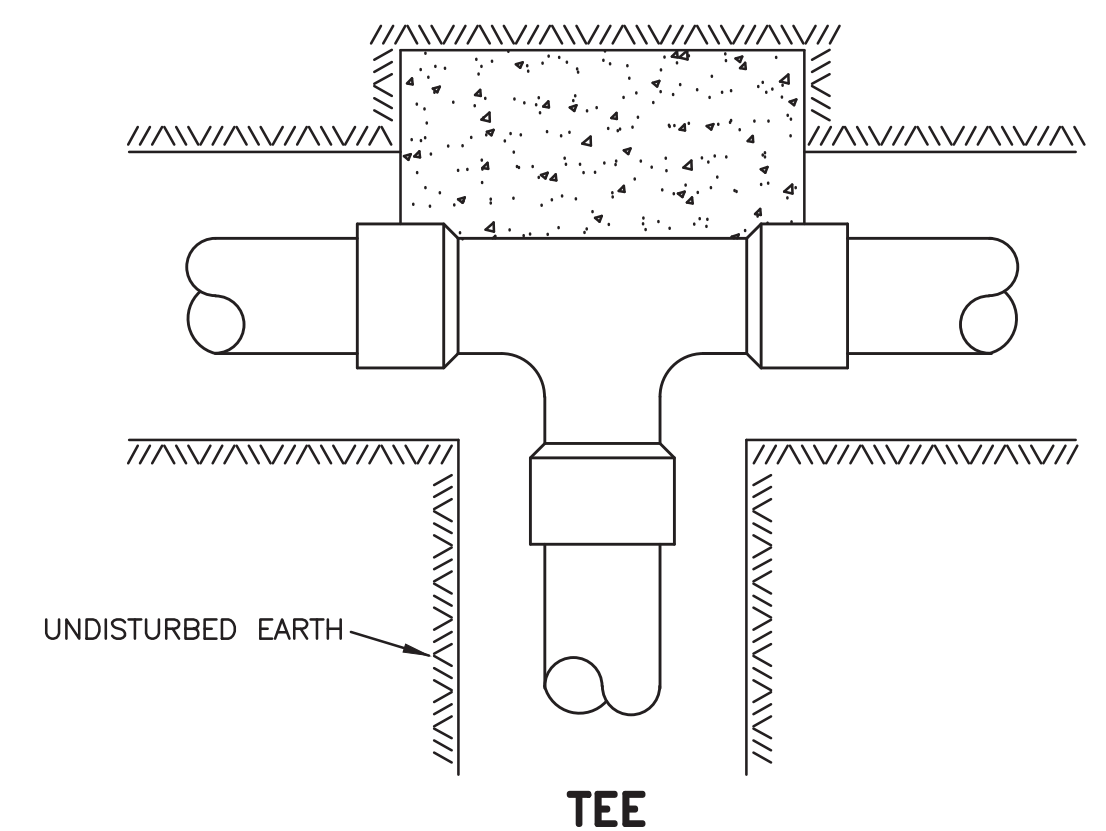


FIRE HYDRANT ASSEMBLY

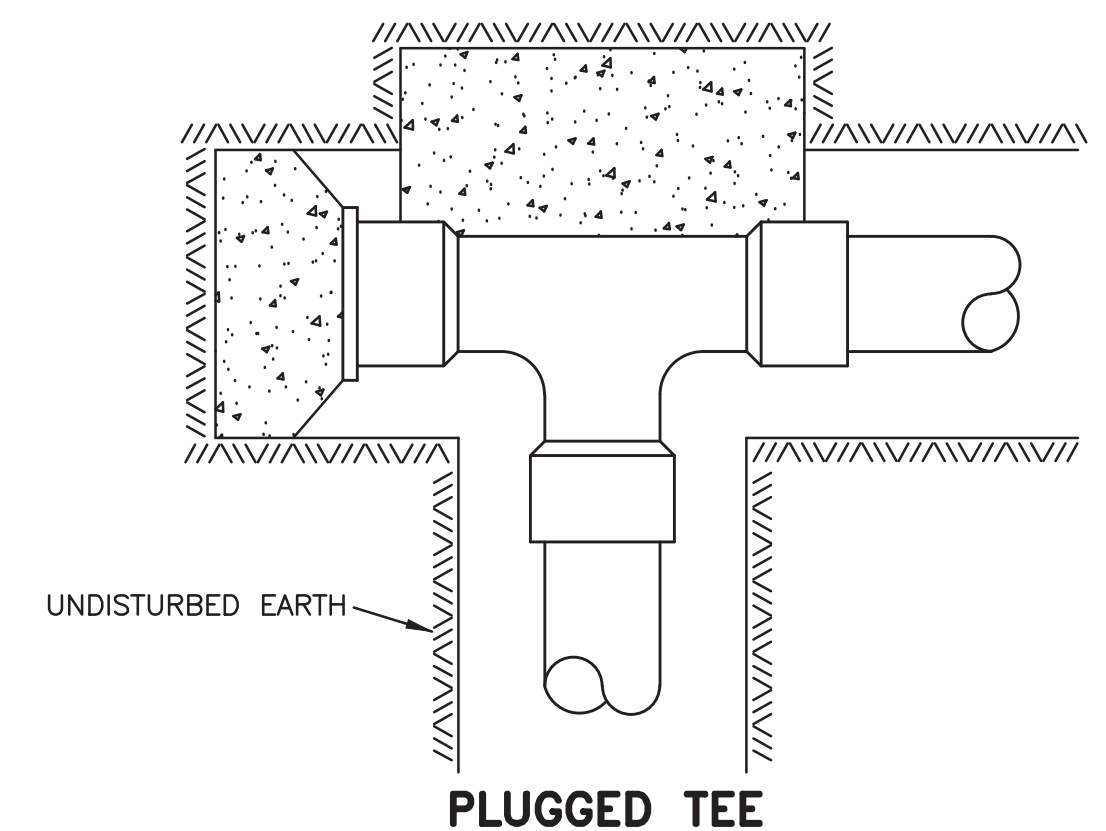
- NOTES:
1. GATE VALVES REQ'D. ON FIRE HYDRANT LEGS CONNECTING TO 8" LINES AND LARGER OR AS DIRECTED BY ENGINEER.
 2. MEGALUG MECHANICAL JOINT RESTRAINT TO BE USED ON ALL MECHANICAL JOINTS.



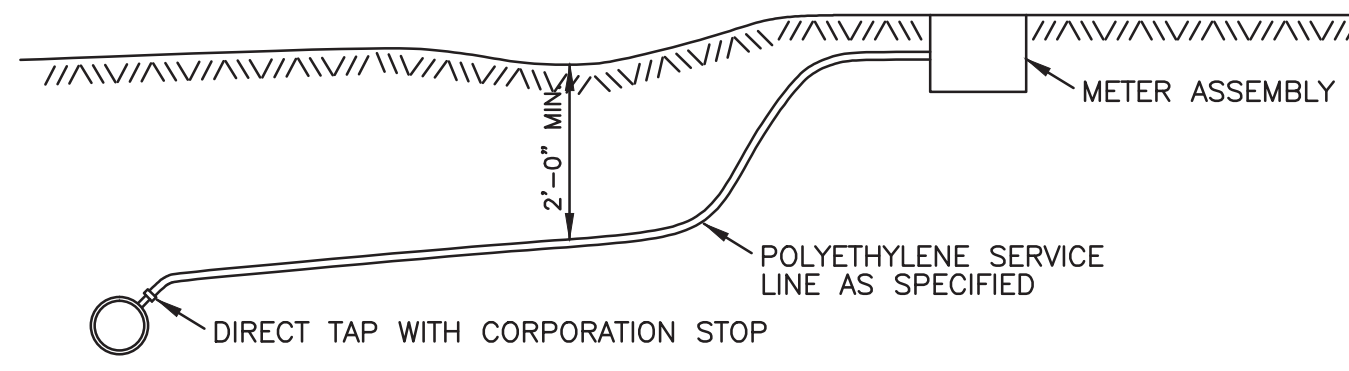
TYPICAL STREET REPAIR



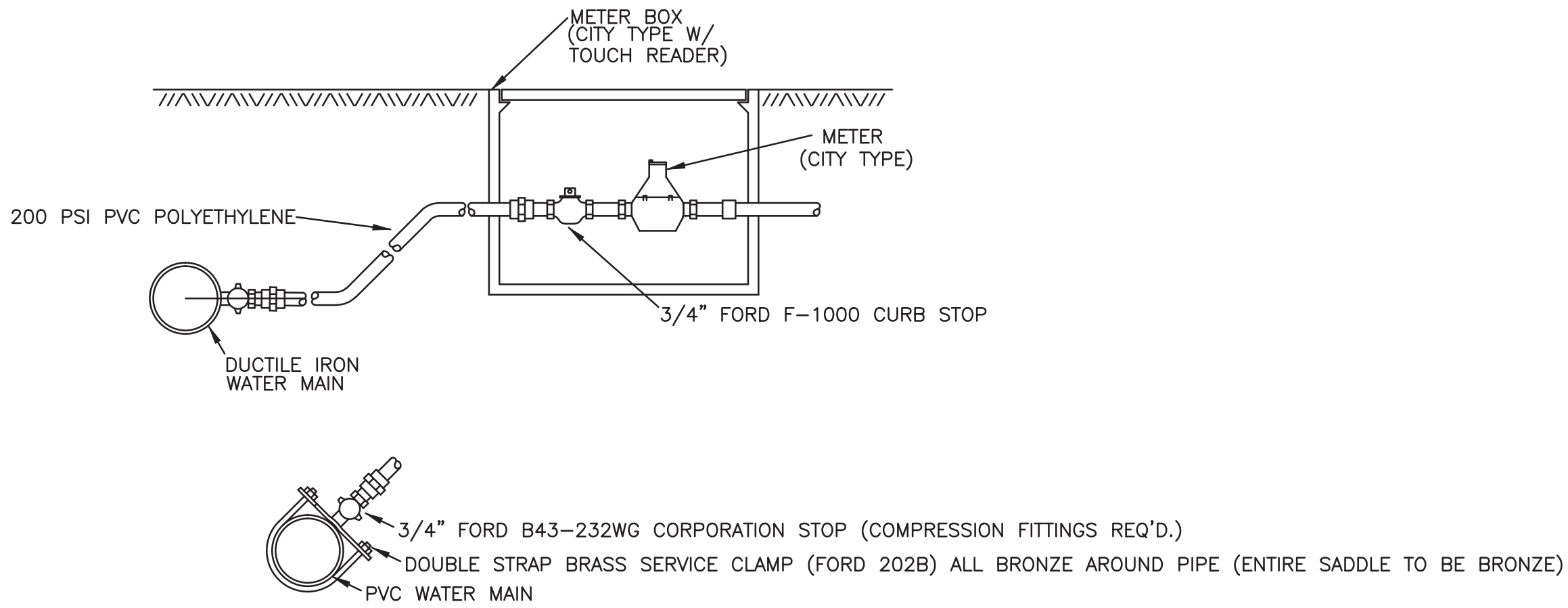
TEE



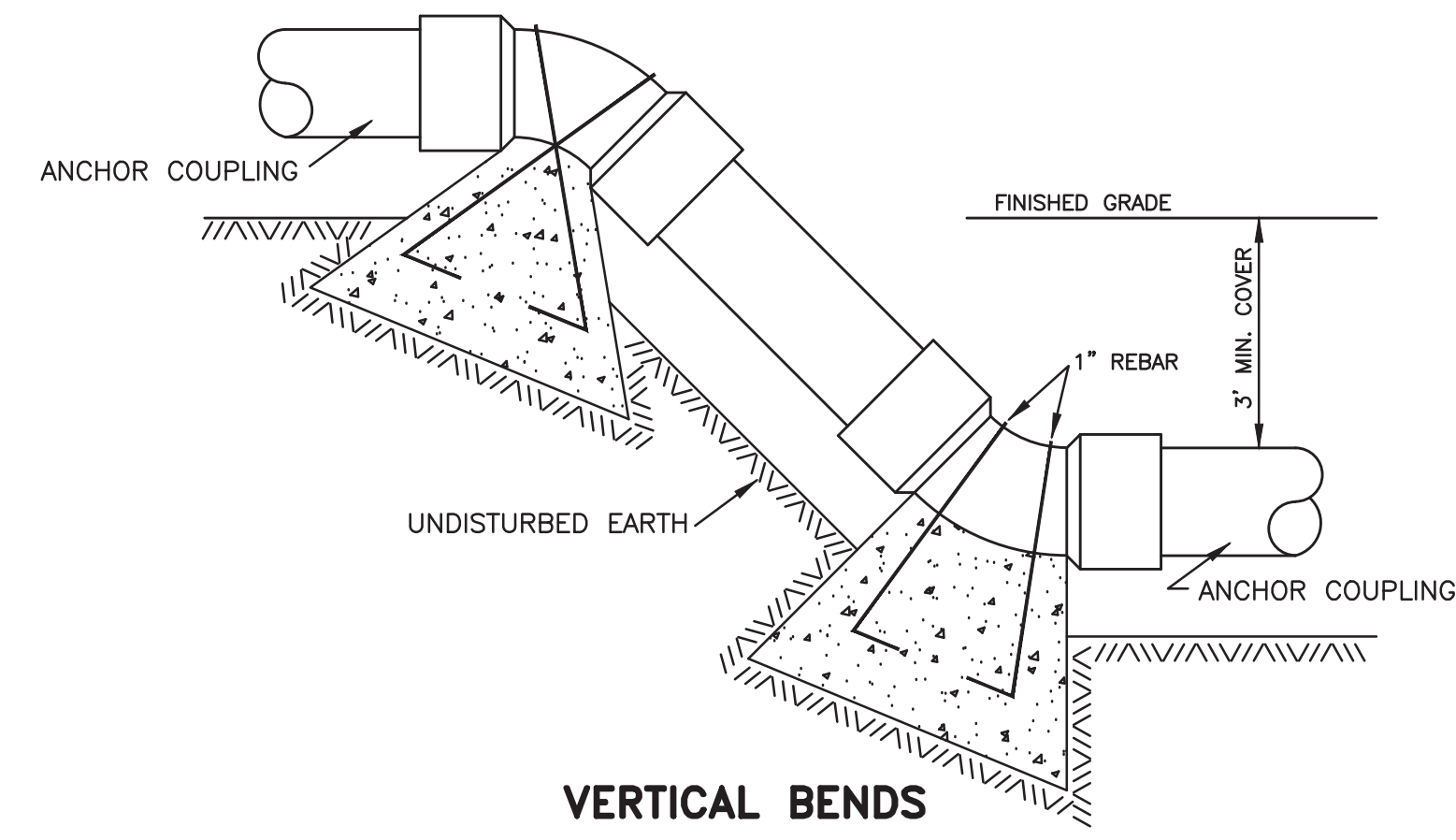
PLUGGED TEE



FOR DUCTILE IRON PIPE SERVICE CONNECTIONS

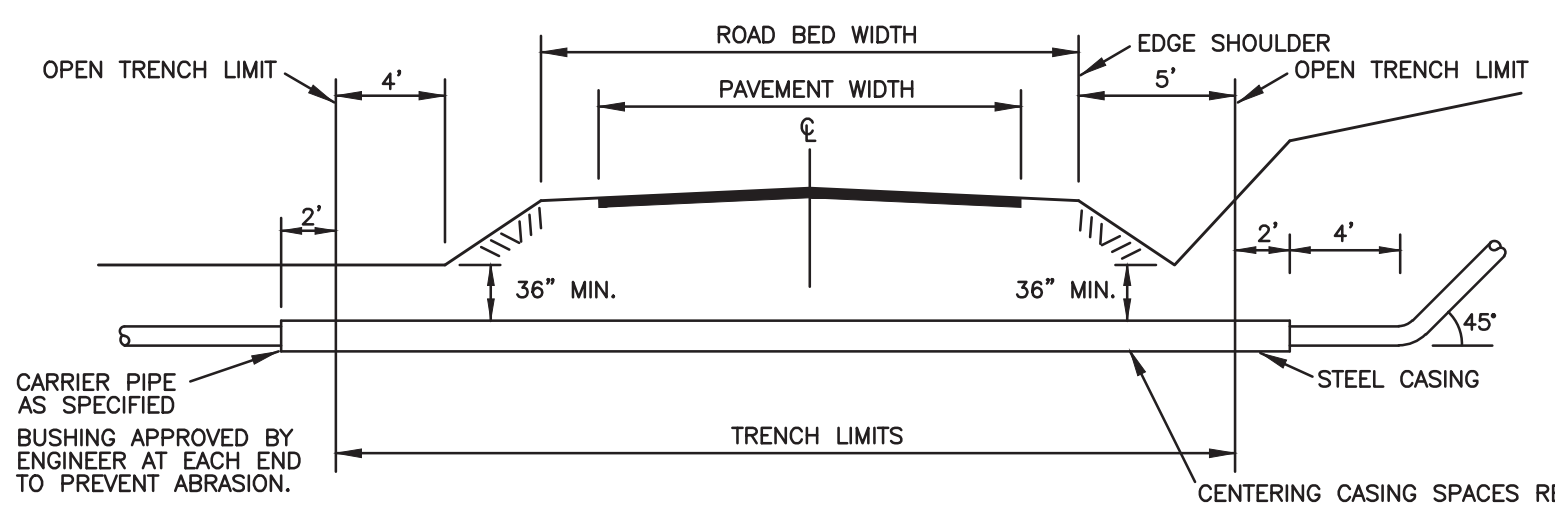


TYPICAL SERVICE ASSEMBLY



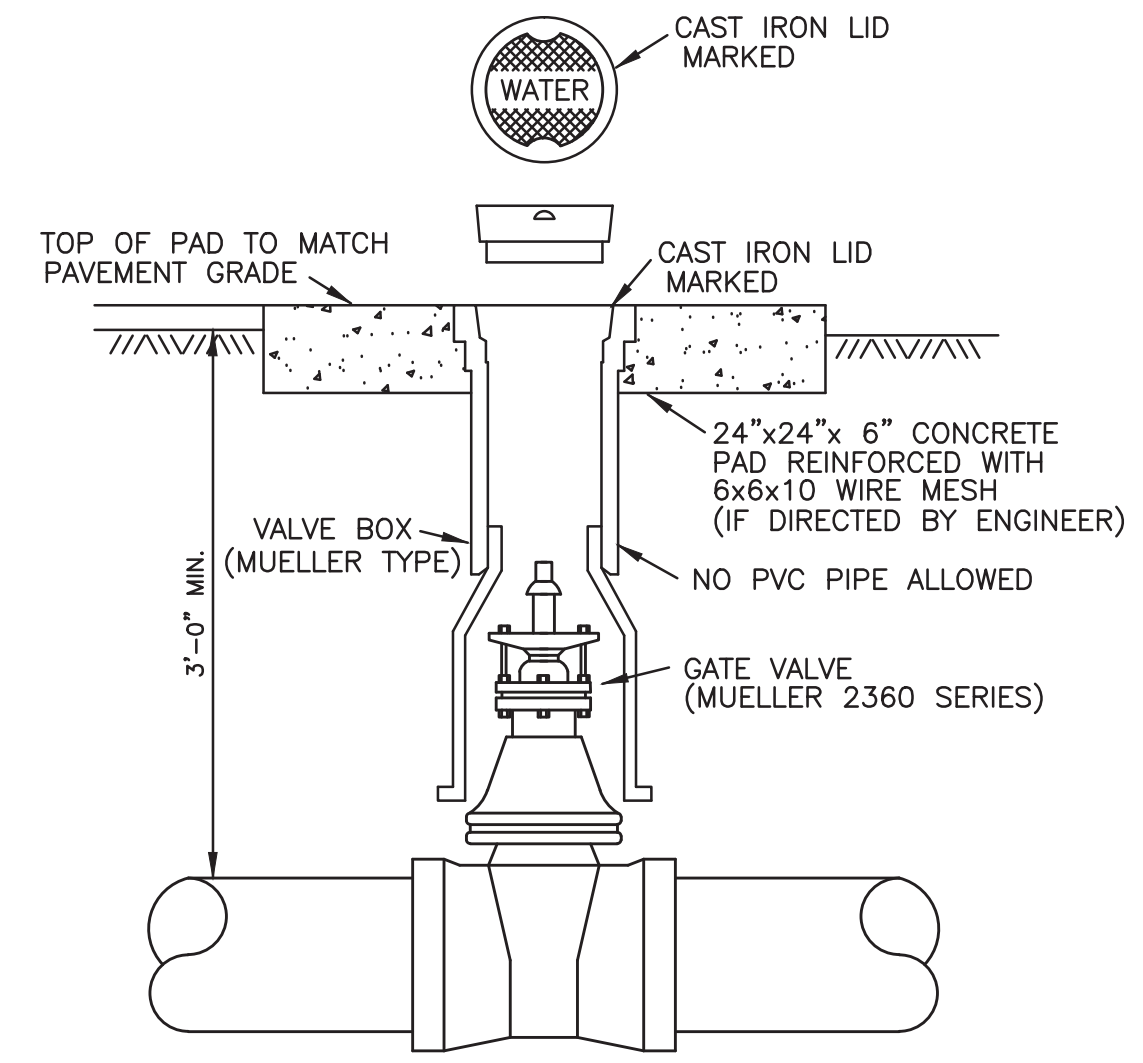
VERTICAL BENDS

1. MEGALUG MECHANICAL JOINT RESTRAINT TO BE USED ON ALL MECHANICAL JOINTS.



TYPICAL ROAD BORE

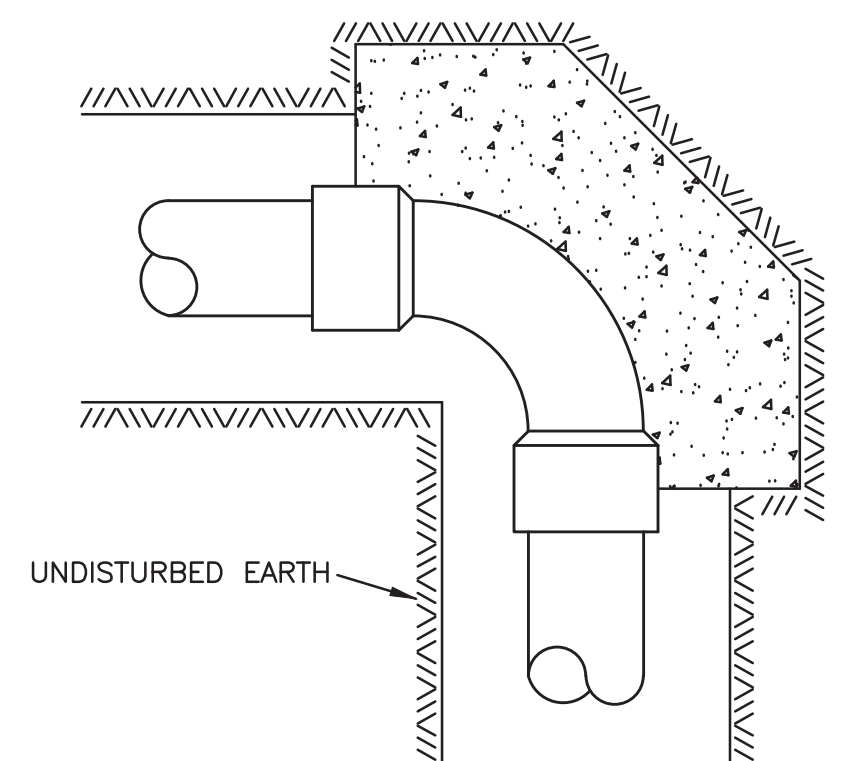
NOTE: VOID BETWEEN SPECIFIED PIPE & STEEL CASING SHALL BE SEALED AT EACH END.



GATE VALVE & BOX

BEARING AREA IN SQ. FT.					
NOMINAL PIPE DIAMETER (IN.)	DEAD END OR TEE	90° BEND	45° BEND	22 1/2° BEND	11 1/4° BEND
4	2.0	2.0	2.0	2.0	2.0
6	2.0	2.0	2.0	2.0	2.0
8	3.0	3.0	2.0	2.0	2.0
12	5.0	6.0	4.0	3.0	3.0
16	8.0	12.0	6.0	4.0	4.0
4	—	—	6.0 (.22)	4.0 (.15)	4.0 (.15)
6	—	—	14.0 (.52)	6.0 (.22)	4.0 (.15)
8	—	—	27.0 (1.0)	9.0 (.33)	6.0 (.22)
12	—	—	68.0 (2.5)	22.0 (.80)	9.0 (.33)
16	—	—	90. (3.33)	52.0 (1.9)	18.0 (.67)

VOLUME OF BLOCKS INCLUDING SOIL LOAD CU. FT.. (CU.YDS.)



90° BEND TYPICAL BLOCKING ON WATER MAIN (3000 PSI CONCRETE REQ'D.)