

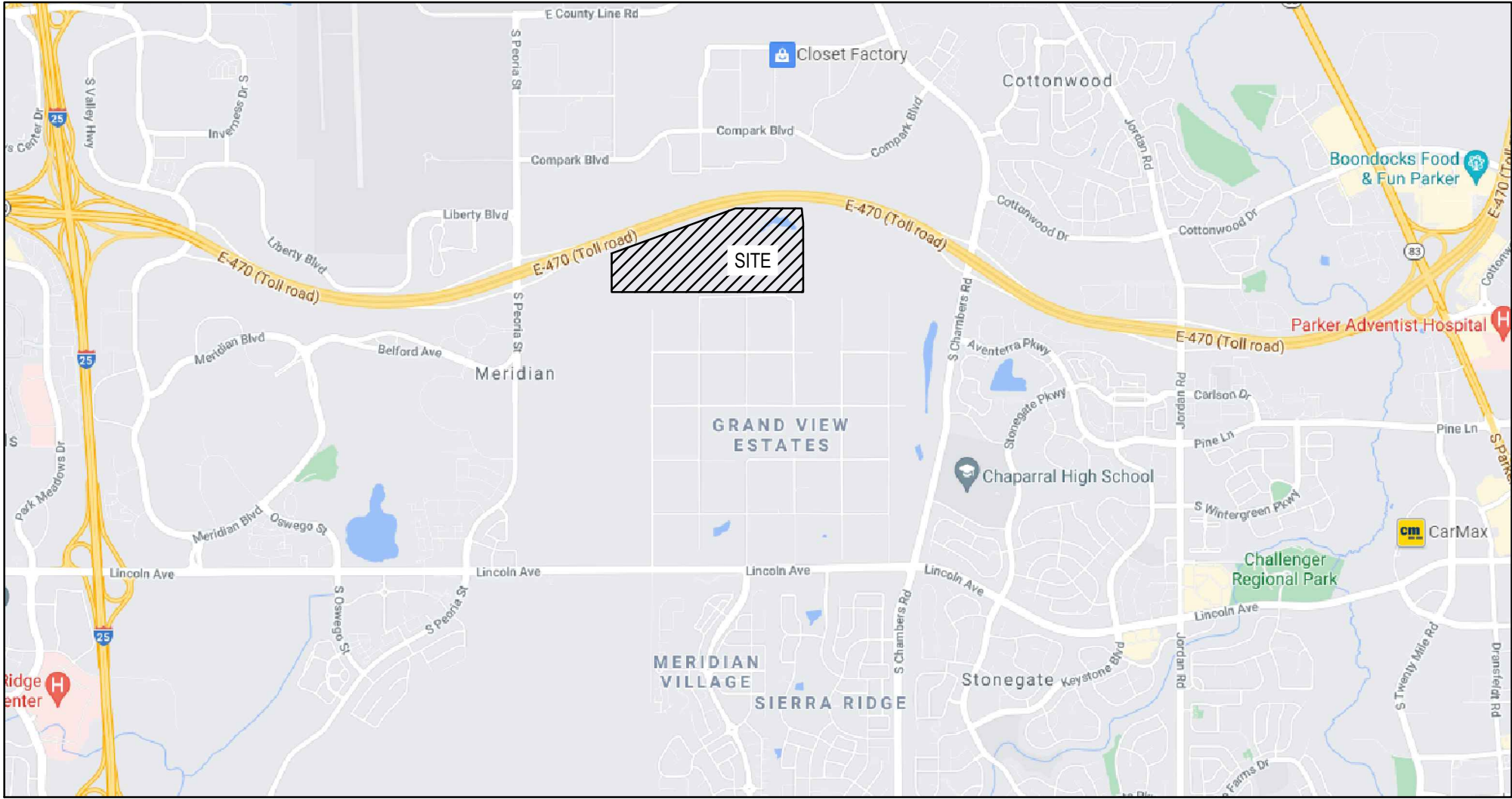
THE ANY OTHER ELECTRONIC MEANS, OR INSTRUMENT OF SERVICE, PREPARED BY MERRICK & COMPANY, P.C., A MERRICK PROJECT, IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE OR IN WHOLE OR IN PART OR ANY EXTENSION OF THE PROJECT OR ON ANY OTHER PROJECT, REUSE OR MODIFICATION OF ANY INFORMATION OR REPRESENTATION WITHOUT THE PRIOR WRITTEN CONSENT OF MERRICK & COMPANY SHALL BE AT THE USER'S RISK. THE USER ASSUMES ALL LIABILITY TO MERRICK & COMPANY.

SVMD SANITARY AND WATER CONSTRUCTION PLANS FOR:
COMPARK VILLAGE SOUTH TRACT A,
FILING NO. 1 AMENDMENT 1

COMPARK VILLAGE SOUTH,
TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

TRACT A, COMPARK VILLAGE SOUTH FILING NO. 1, AMENDMENT 1, LOCATED IN THE SOUTH HALF OF SECTION 6,
TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN. TOWN OF PARKER, COUNTY OF DOUGLAS, STATE OF COLORADO

STONEGATE VILLAGE METRO DISTRICT WATER AND SANITARY SEWER PLAN



Vicinity Map

N.T.S.

ABBREVIATION LEGEND

TW	GRADE AT TOP OF WALL
BG	GRADE AT BOTTOM OF WALL
PC	POINT OF CURVE
PT	POINT OF TANGENT
Δ	DELTA, HORIZONTAL CURVE DIRECTION CHANGE
CL	CENTERLINE
FL	FLOWLINE
DBL	DOUBLE
C.O.	CLEAN OUT
K	RATE OF CURVATURE
AD	ABSOLUTE GRADE DIFFERENCE IN %
VC	VERTICAL CURVE
PVC	POINT OF VERTICAL CURVE
PVT	POINT OF VERTICAL TANGENT
PVI	POINT OF VERTICAL INTERSECTION
PI	POINT OF TANGENT INTERSECTION
ROW	RIGHT OF WAY
PVMT	PAVEMENT
HP	HIGH POINT
LP	LOW POINT
PCR	POINT OF CURB RETURN
PCC	POINT OF COMPOUND CURVE
PRC	POINT OF REVERSE CURVE
EX, EX.	EXISTING
PR, PR.	PROPOSED
ME	MATCH EXISTING
TC	BACK TOP OF CURB
FG	FINISHED GRADE
STA	STATION
EL, ELEV	ELEVATION
FF	FINISHED FLOOR
TC	TOP OF CONCRETE
B/P	BOTTOM OF PIPE
T/P	TOP OF PIPE
Ø	DIAMETER
UE	UTILITY EASEMENT
ESMT	EASEMENT
HCL	HORIZONTAL CONTROL LINE
N	NORTH/NORTHING
E	EAST/EASTING
W	WEST
S	SOUTH
R	RADIUS
LC	LENGTH OF CORD
L	LENGTH
CB	CHORD BEARING

DEVELOPER/ OWNER
CENTURY COMMUNITIES
8390 E. CRESCENT PARKWAY,
SUITE 650, GREENWOOD VILLAGE,
CO 80111
PHONE: 303-770-8300
CONTACT: CINDY MYERS

PLANNER
PCS GROUP
200 KLAMATH ST, DENVER, CO
80223
PHONE: 720-259-8248
CONTACT: PAUL SHOUKAS

SURVEYOR
MERRICK & COMPANY
5970 GREENWOOD PLAZA BLVD.
GREENWOOD VILLAGE, CO 80111
PHONE: 303-751-0741
CONTACT: KENNETH G. OUELLETTE, PLS

ENGINEER
MERRICK & COMPANY
5970 GREENWOOD PLAZA BLVD.
GREENWOOD VILLAGE, CO 80111
PHONE: 303-751-0741
CONTACT: KRISTOFER K. WIEST, PE

TOWN & UTILITY CONTACTS

TOWN OF PARKER
CONTACT: MIKE WAUGH
PHONE: 303-840-9546

COMCAST
CONTACT: KEVIN YOUNG
PHONE: 720-490-3867

INTERMOUNTAIN REA
CONTACT: BROOKS KAUFMAN
PHONE: 303-688-3100

CENTURY LINK
CONTACT: WILLIAM BENSON
PHONE: 303-320-8333

SOUTH METRO FIRE DISTRICT
CONTACT: MICHELLE HERIAN
PHONE: 720-488-7200

DISTRICT APPROVALS

THESE DESIGN PLANS AND CONTRACT DOCUMENTS ARE REVIEWED FOR CONCEPT AND GENERAL CONFORMANCE TO THE DISTRICT'S MINIMUM STANDARDS ONLY, AND THE PRIMARY RESPONSIBILITY FOR THE DESIGN ADEQUACY IS TO REMAIN WITH THE ENGINEER OF RECORD. THIS REVIEW DOES NOT IMPLY RESPONSIBILITY BY EITHER THE STONEGATE VILLAGE METROPOLITAN DISTRICT OR THE DISTRICT ENGINEER FOR COMPLETENESS, ACCURACY OR CORRECTNESS OF CALCULATIONS. THE REVIEW DOES NOT IMPLY THAT QUANTITIES OF ITEMS INDICATED ON THE PLANS ARE THE FINAL QUANTITIES REQUIRED. THE REVIEW SHALL NOT BE CONSTRUED FOR ANY REASON AS ACCEPTANCE OF FINANCIAL RESPONSIBILITY BY THE STONEGATE VILLAGE METROPOLITAN DISTRICT FOR ADDITIONAL ITEMS AND ADDITIONAL QUANTITIES OF ITEMS SHOWN THAT MAY BE REQUIRED DURING THE CONSTRUCTION PHASE.

APPROVED FOR CONSTRUCTION WITHIN ONE YEAR OF THIS DATE:

BY: _____
STONEGATE VILLAGE METROPOLITAN DISTRICT ENGINEER

DATE: _____

Sheet List Table		
Sheet Number	Sheet Title	Sheet Description
00	COVER SHEET	C7.0
01	GENERAL NOTES	C7.1
03	OVERALL UTILITY PLAN	C7.2
04	WATER-P&P	C7.3
05	SAN-P&P	C7.5
06	WATER DETAILS	C7.6
07	WATER DETAILS	C7.7
08	WATER DETAILS	C7.8
09	WATER DETAILS	C7.9
10	WATER DETAILS	C7.10
11	WATER DETAILS	C7.11

WATER MAIN QUANTITIES		
DESCRIPTION	AMOUNT	UNIT
8" PVC WATER MAIN	683.96	LF
8" TO 6" TEEW/KICK BLOCK	33	EACH
8" 11.25 DEGREE BEND	1	EACH
8" 22.5 DEGREE BEND	1	EACH
VERTICAL BEND	2	EACH
FIRE HYDRANT ASSEMBLY	1	EACH
REMOVE EXISTING 8" PLUG AND MAKE DRY CONNECT	2	EACH
SANITARY SEWER MAIN QUANTITIES		
DESCRIPTION	AMOUNT	UNIT
8" SANITARY SEWER MAIN (0-16" DEPTH)	603.6	LF
4' DIAMETER MANHOLES (0-20" DEPTH)	2	EACH
CONNECTION TO EXISTING SANITARY SEWER	1	EACH

FIRE/LIFE SAFETY REVIEW BLOCK

All fire hydrants shall be installed according to water utility standards. The number and locations of the fire hydrants as shown on the Overall Utility Plan are correct as specified by the Town of Parker, Community Development Department.

Fire Code Official or Designated Representative

(NOTE – Underground Fire Line (UFL) submittal documents must meet the requirements of NFPA 24 when submitting for review.)

The Town of Parker review constitutes general compliance with the Town's Standards and approved variances, subject to these plans being stamped, signed, and dated by the professional engineer of record. Review by the Town does not constitute approval of the plan design or accuracy and correctness of engineering calculations. Errors in the design or calculations remain the responsibility of the registered professional engineer whose stamp and signature are affixed to this document.

This review does not constitute approval of any private on-site improvements which may be shown. Construction cannot commence until all required drainage/traffic report(s), final development plan(s), special review(s), grading permit, and/or other permits are complete, approved and on file with the Town of Parker.

Town of Parker, Director of Engineering/Public Works

TITLE

ISSUED FOR REVIEW

FILE STAMP

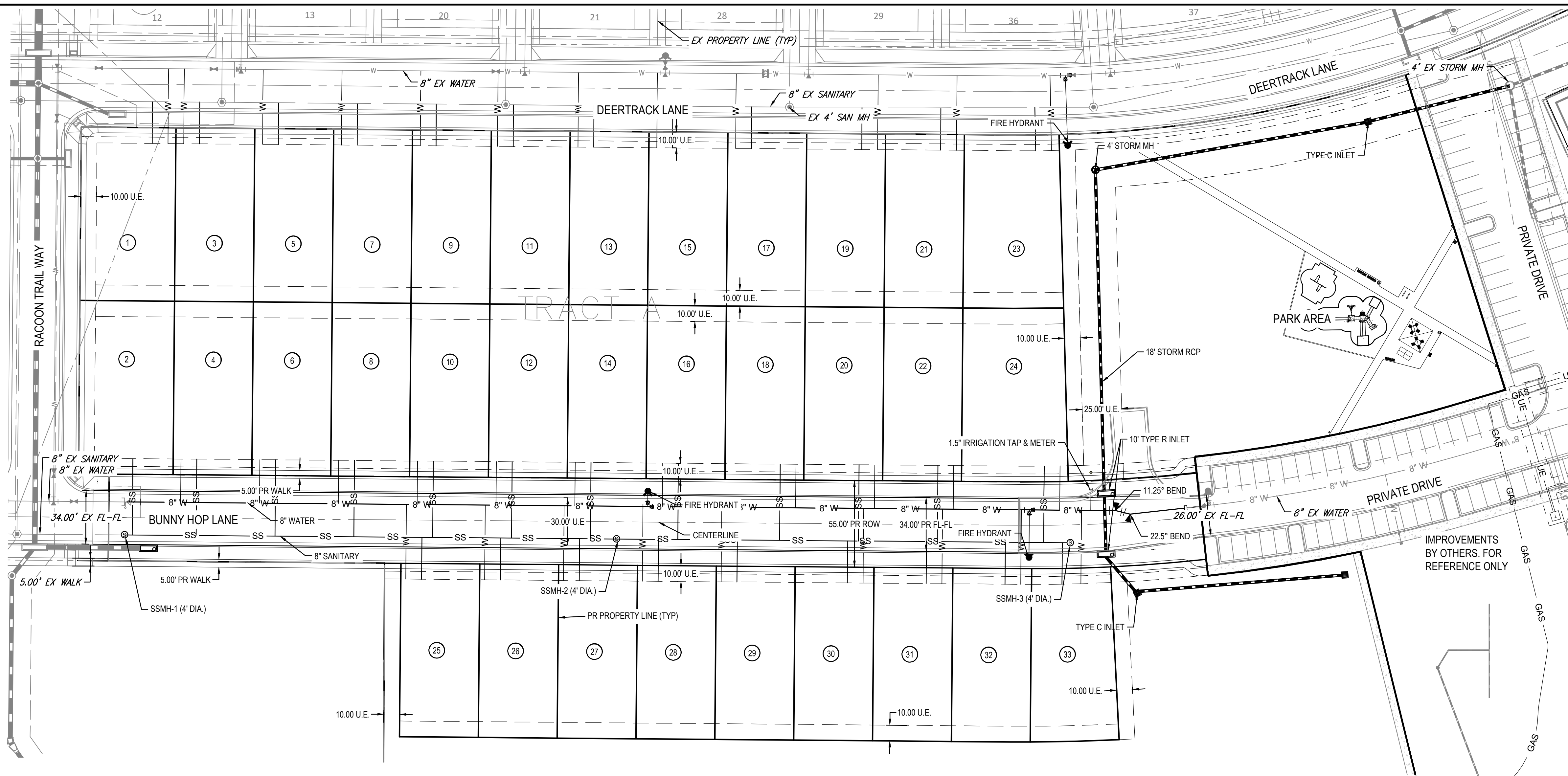
DATE: 11/14/2022

SHEET: C7.0

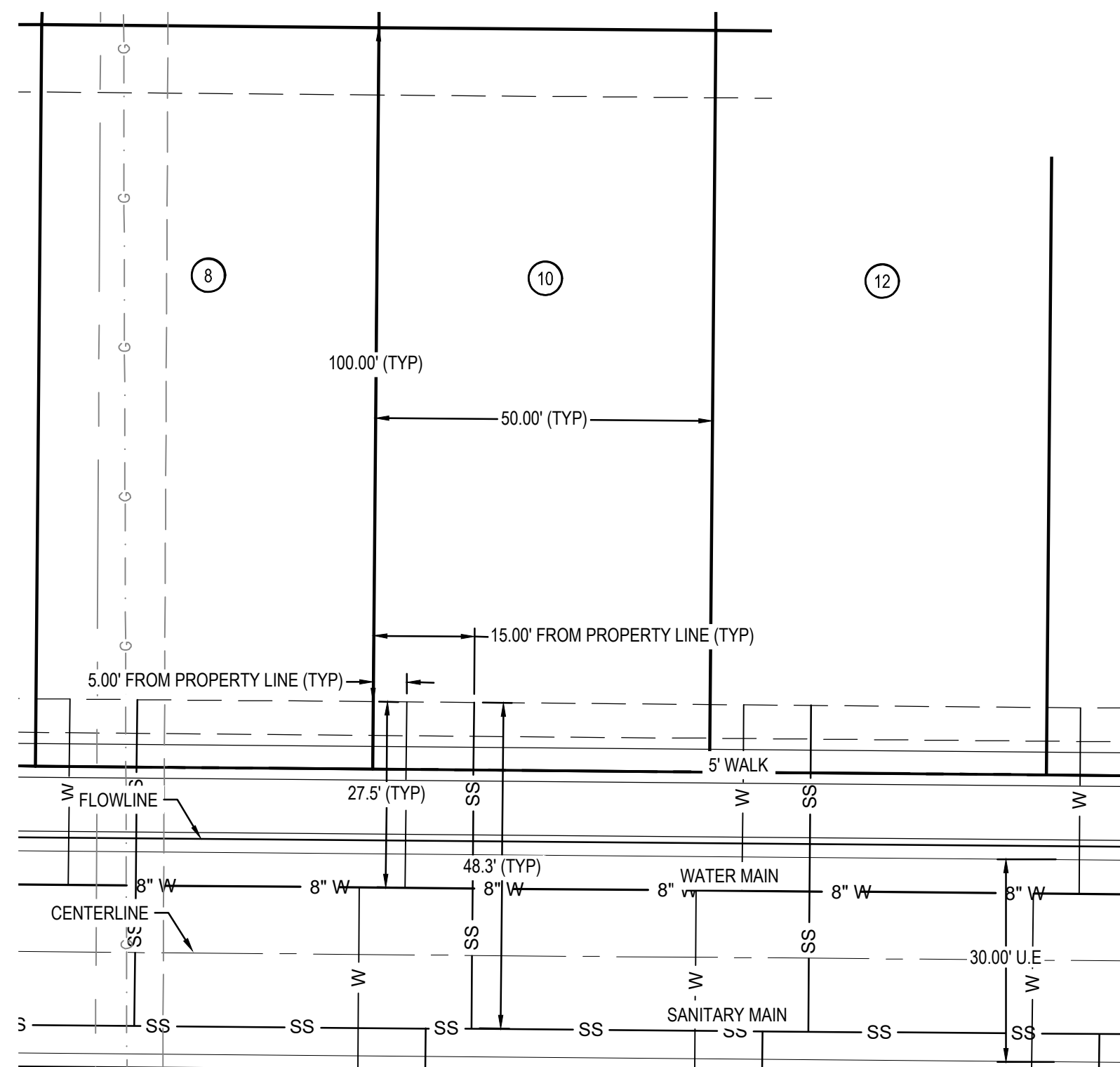
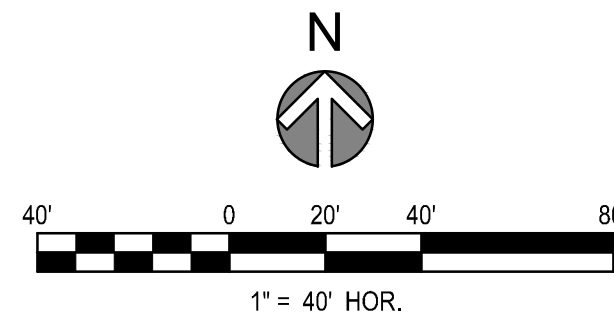
00

FOR AND ON BEHALF OF MERRICK & COMPANY

[illegible]



NOTES:
CONTRACTOR TO FIELD VERIFY VERTICAL AND HORIZONTAL LOCATION
OF EXISTING UTILITIES AND IRRIGATION.



TYPICAL SINGLE FAMILY LOT SERVICE DETAIL

NOTES:
1. SERVICE LOCATIONS ARE TYPICAL
UNLESS OTHERWISE NOTED.



Know what's **below**.
Call before you dig

FIRE/LIFE SAFETY REVIEW BLOCK

All fire hydrants shall be installed according to water utility standards. The number and locations of the fire hydrants as shown on the Overall Utility Plan are correct as specified by the Town of Parker, Community Development Department.

Date _____

Fire Code Official or Designated Representative

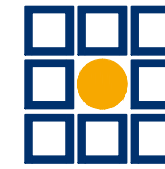
(NOTE – Underground Fire Line (UFL) submittal documents must meet the requirements of NFPA 24 when submitting for review.)

The Town of Parker review constitutes general compliance with the Town's Standards and approved variances, subject to these plans being stamped, signed, and dated by the professional engineer of record. Review by the Town does not constitute approval of the plan design or accuracy and correctness of engineering calculations. Errors in the design or calculations remain the responsibility of the registered professional engineer whose stamp and signature are affixed to this document.

This review does not constitute approval of any private on-site improvements which may be shown. Construction cannot commence until all required drainage/traffic report(s), final development plan(s), special review(s), grading permit, and/or other permits are complete, approved and on file with the Town of Parker.

Town of Parker, Director of Engineering/Public Works

Date _____



MERICK®

Engineering / Architecture | Design-Build | Surveying / Planning | Geospatial Solutions
5970 GREENWOOD PLAZA BLVD. GREENWOOD VILLAGE, CO. 80111
303-751-0741
www.merrick.com

[illegible]

COMPARK VILLAGE SOUTH
PRIVATE IMPROVEMENT
CONSTRUCTION PLANS
OVERALL UTILITY PLAN

TIME

ISSUED FOR REVIEW

STAMP

FOR AND ON BEHALF OF MERRICK & COMPANY

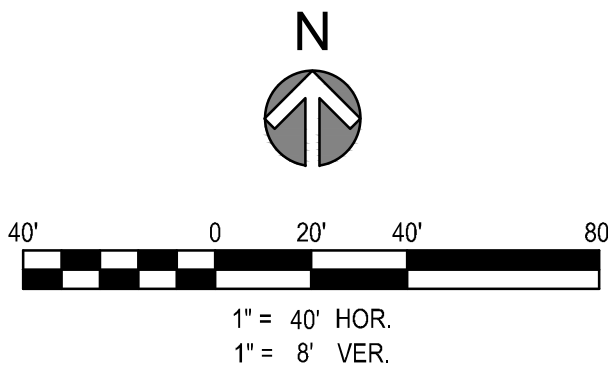
PE STAMP

JOB NUMBER _____

DATE _____
066071.cq

SHEET

672



Profile view of the proposed 8-inch water main. The drawing shows the existing ground line (dashed) and the proposed pipe invert (solid). Key features include:

- Hydrant Tee - 6" x 8" Gate Valve at Station 103+50.
- 1.5" Irrigation Tap, Meter & GV at Station 101+25.
- Storm X-ing at Station 100+50.
- Vertical Deflection at Station 100+50.
- Remove EX 8" Plug & Make Dry Connection at Station 100+00.

Pipe segments are labeled with length and material:

- 330.6 L.F. 8" PVC
- 242.0 L.F. 8" PVC
- 39.0 L.F. 8" PVC
- 15.7 L.F. 8" PVC
- 9.5 L.F. 8" PVC
- 32.4 L.F. 8" PVC

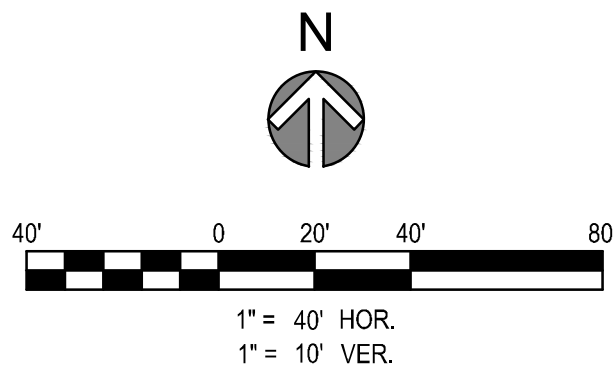
Elevation markers on the right range from 5820 to 5865 feet. Station markers on the bottom range from 106+50 to 100+00. A note indicates "FG @ PIPE C" at station 104+50.

- The Town of Parker review constitutes general compliance with the Town's Standards and approved variances, subject to these plans being stamped, signed, and dated by the professional engineer of record. Review by the Town does not constitute approval of the plan design or accuracy and correctness of engineering calculations. Errors in the design or calculations remain the responsibility of the registered professional engineer whose stamp and signature are affixed to this document.

Town of Parker, Director of Engineering/Public Works

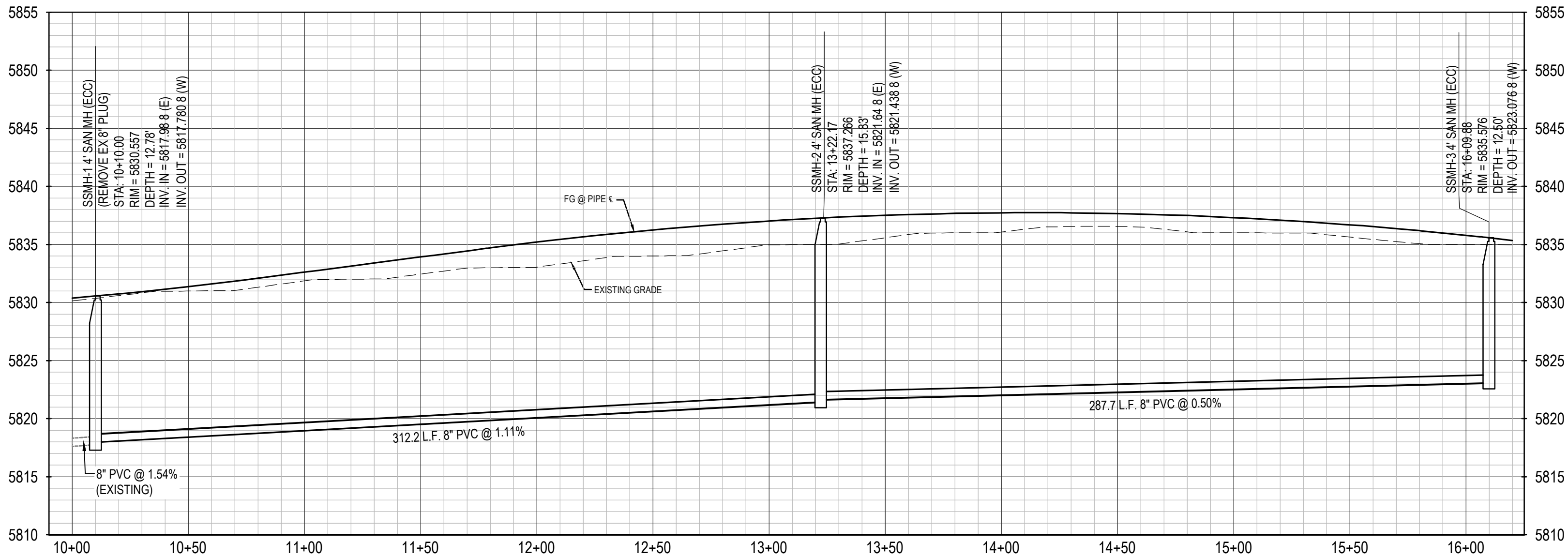


Site plan for the intersection of Raccoon Tail Way and Bunny Hop Lane. The plan shows property lots numbered 1 through 33, with lot 1 on the left and lot 33 on the right. Raccoon Tail Way runs vertically on the left, and Bunny Hop Lane runs horizontally across the middle. The plan includes various utility lines: 8-inch sanitary, 8-inch water main, 8-inch water, 8-inch fire hydrant, and 20-inch sanitary water. It also shows easements: 10.00-foot utility easement, 30.00-foot utility easement, 25.00-foot utility easement, and 18-foot storm RCP. Other features include a fire hydrant standard assembly, a storm water management structure (SSMH-3), and a private drive on the right. The plan includes stationing along Bunny Hop Lane from 10+00 to 16+00 and 16+20 to 16+00. A north arrow is located in the upper right corner.



- NOTES:**
1. ALL STATIONING & PIPE LENGTHS ARE TO CENTER OF STRUCTURE.
 2. ALL SANITARY SEWER PVC TO BE SDR 35 PVC UNLESS SPECIFIED OTHERWISE.
 3. CONTRACTOR TO VERIFY LOCATION/ELEVATION OF ALL UTILITIES PRIOR TO CONSTRUCTION.
 4. ALL MANHOLES TO HAVE 48" INNER DIAMETER.

BUNNY HOP LANE SANITARY PROFILE



SANITARY SEWER SERVICE TABLE						
PLOT NUMBER	LENGTH (FT)	SLOPE	INV @ MAIN	FG @ MAIN	INV @ STUB	
1	26.47	2.00%	5806.36	5822.18	5806.00	
2	58.46	2.00%	5818.03	5830.65	5820.18	
3	26.47	2.00%	5806.51	5822.61	5806.15	
4	48.31	2.00%	5818.48	5831.48	5820.43	
5	26.47	2.00%	5806.96	5823.82	5808.47	
6	48.31	2.00%	5819.04	5832.75	5820.99	
7	26.47	2.00%	5807.21	5824.61	5808.72	
8	48.31	2.00%	5819.59	5834.06	5821.54	
9	26.47	2.00%	5807.46	5825.49	5808.97	
10	48.31	2.00%	5820.15	5835.33	5822.10	
11	26.47	2.00%	5807.91	5826.29	5809.41	
12	48.31	2.00%	5820.70	5836.34	5822.65	
13	26.47	2.00%	5808.16	5827.25	5809.67	
14	48.31	2.00%	5821.25	5837.09	5823.20	
15	26.47	2.00%	5808.41	5827.85	5809.92	
16	48.31	2.00%	5821.63	5827.58	5823.78	
17	26.47	2.00%	5808.66	5827.86	5810.17	
18	48.35	2.00%	5822.16	5832.72	5824.11	
19	26.47	2.00%	5809.21	5810.72		
20	48.34	2.00%	5822.40	5837.51	5824.26	
21	26.47	2.00%	5809.46	5827.25	5810.97	
22	48.32	2.00%	5822.65	5837.02	5824.60	
23	27.67	2.00%	5809.76	5826.62	5811.29	
24	48.49	2.00%	5822.99	5835.93	5824.94	
25	26.60	2.00%	5820.07	5835.17	5821.58	
26	26.60	2.00%	5820.63	5836.22	5822.14	
27	26.60	2.00%	5821.18	5837.00	5822.69	
28	26.60	2.00%	5821.77	5837.50	5823.28	
29	26.60	2.00%	5822.02	5837.72	5823.53	
30	26.67	2.00%	5822.37	5837.56	5823.88	
31	26.68	2.00%	5822.62	5837.10	5824.13	
32	26.69	2.00%	5822.87	5836.38	5824.38	
33	26.31	2.00%	5823.05	5835.68	5824.56	

The Town of Parker review constitutes general compliance with the Town's Standards and approved variances, subject to these plans being stamped, signed, and dated by the professional engineer of record. Review by the Town does not constitute approval of the plan design or accuracy and correctness of engineering calculations. Errors in the design or calculations remain the responsibility of the registered professional engineer whose stamp and signature are affixed to this document.

This review does not constitute approval of any private on-site improvements which may be shown. Construction cannot commence until all required drainage/traffic report(s), final development plan(s), special review(s), grading permit, and/or other permits are complete, approved and on file with the Town of Parker.

Town of Parker, Director of Engineering/Public Works



Know what's **below**.
Call before you dig



MERRICK®

Engineering / Architecture / Design-Build / Surveying / Planning / Geospatial Solutions

5970 GREENWOOD PLAZA BLVD. GREENWOOD VILLAGE, CO. 80111
303-755-1741
www.merrick.com



CENTURY
Living

[illegible]

COMPARK VILLAGE SOUTH

WATER AND SANITARY PLANS

SAN-P&P

3711

FOR AND ON BEHALF OF MERRICK & COMPANY

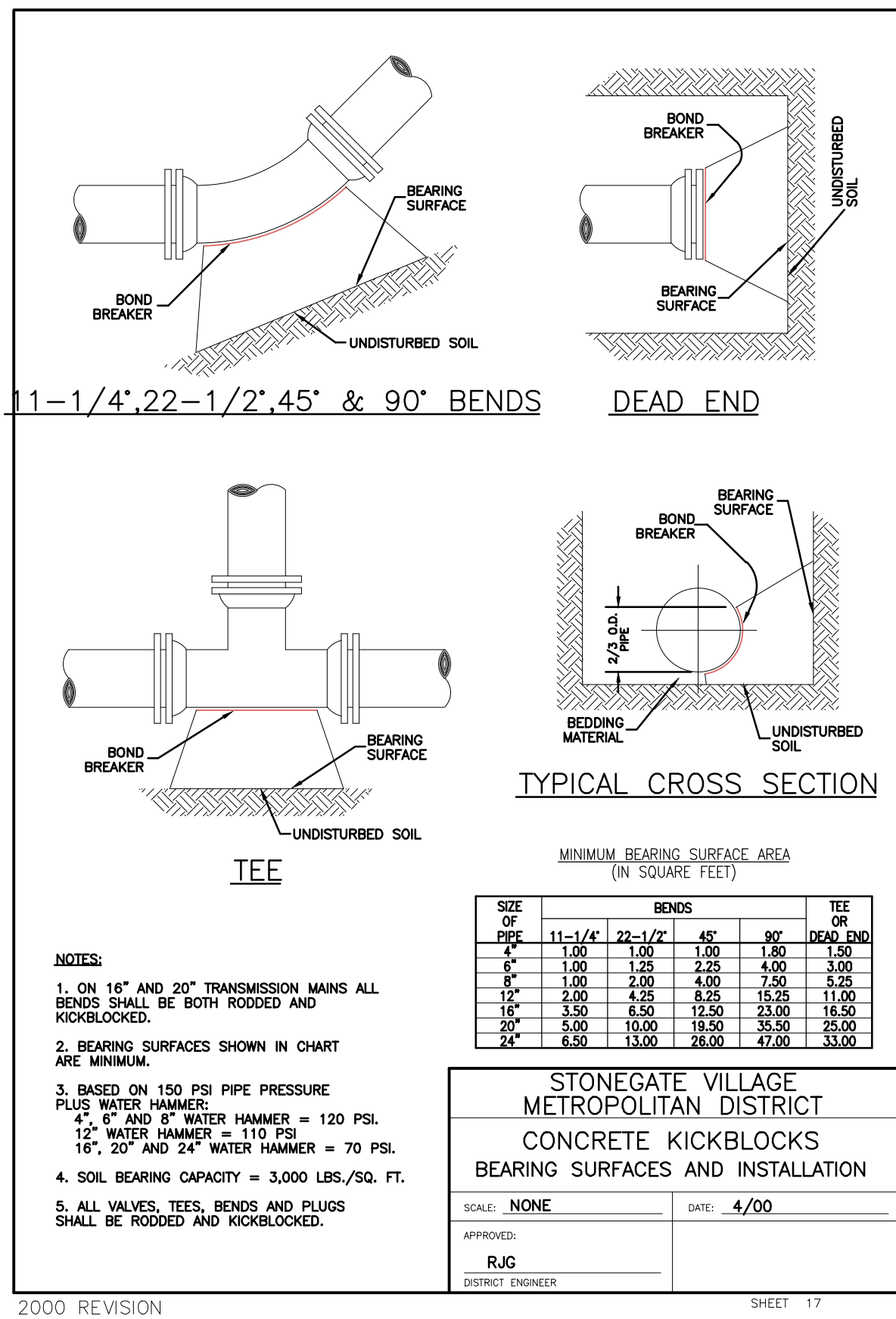
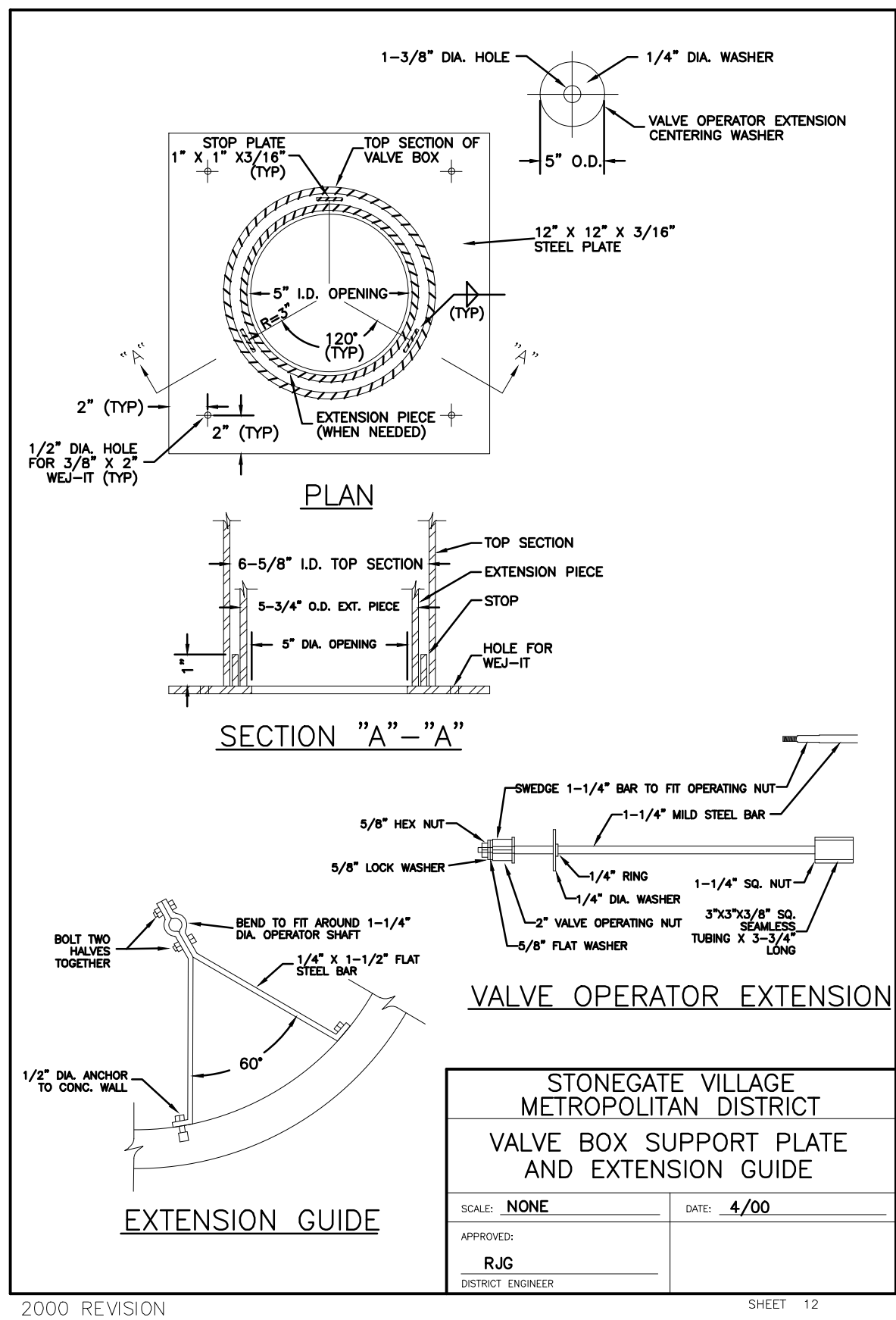
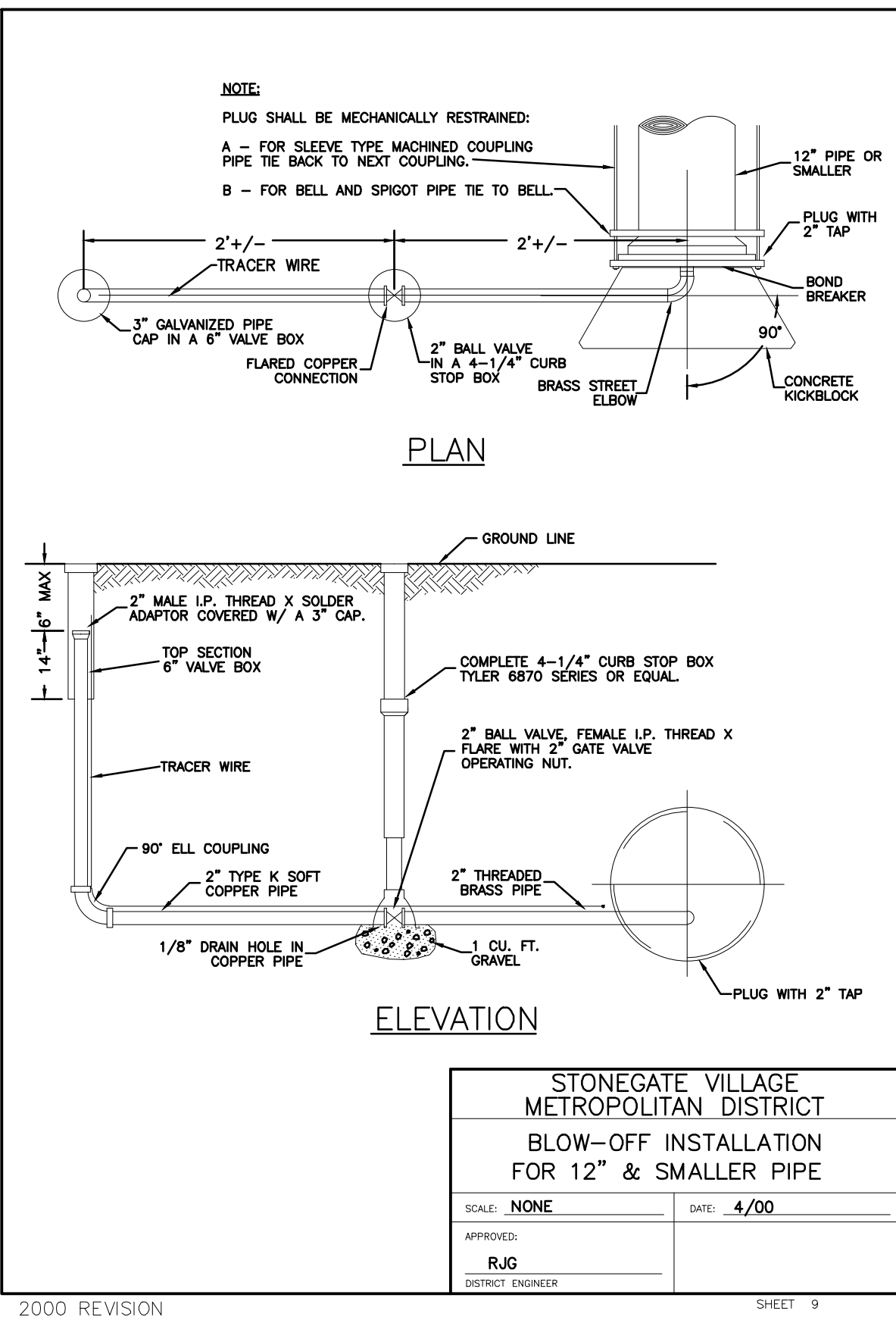
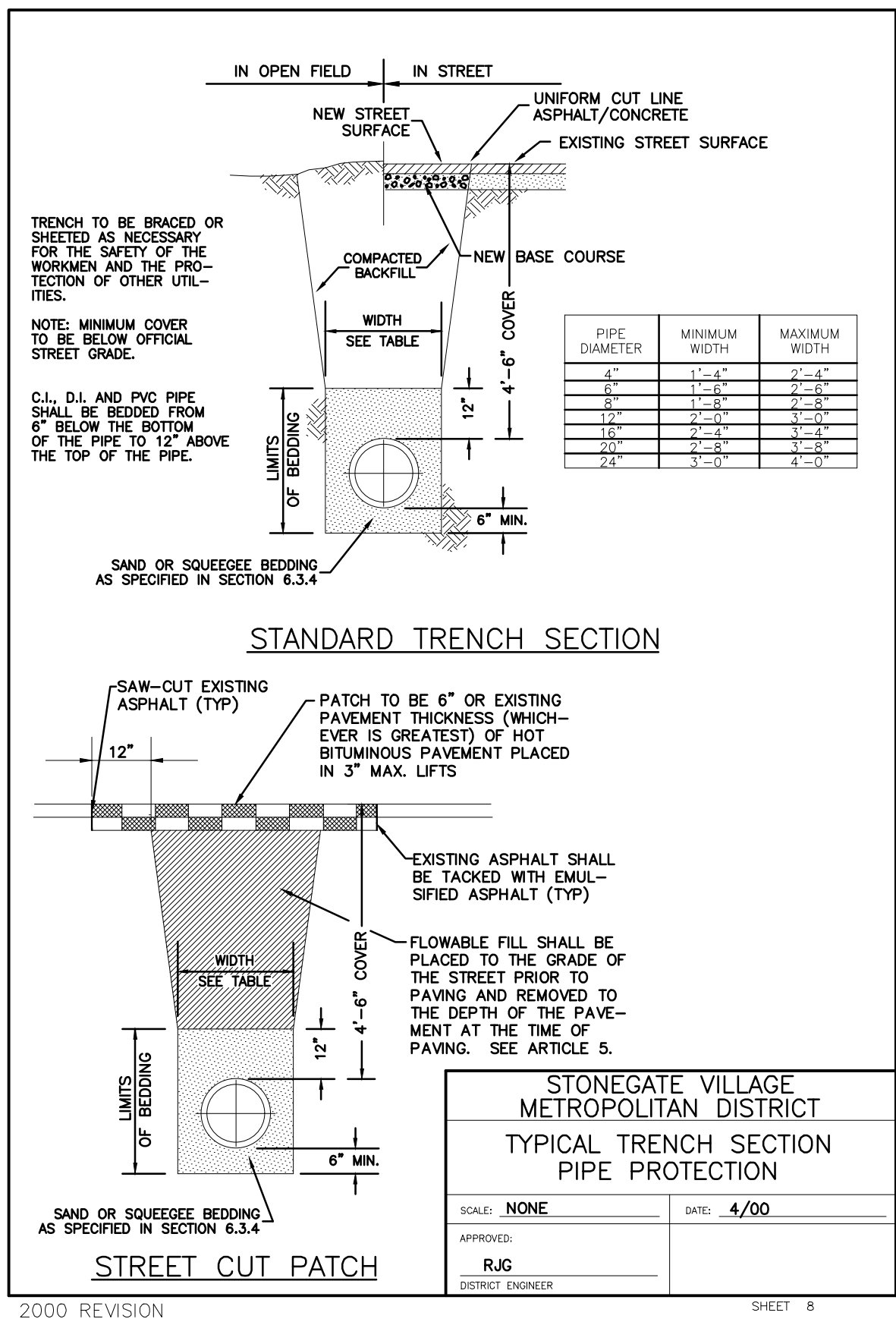
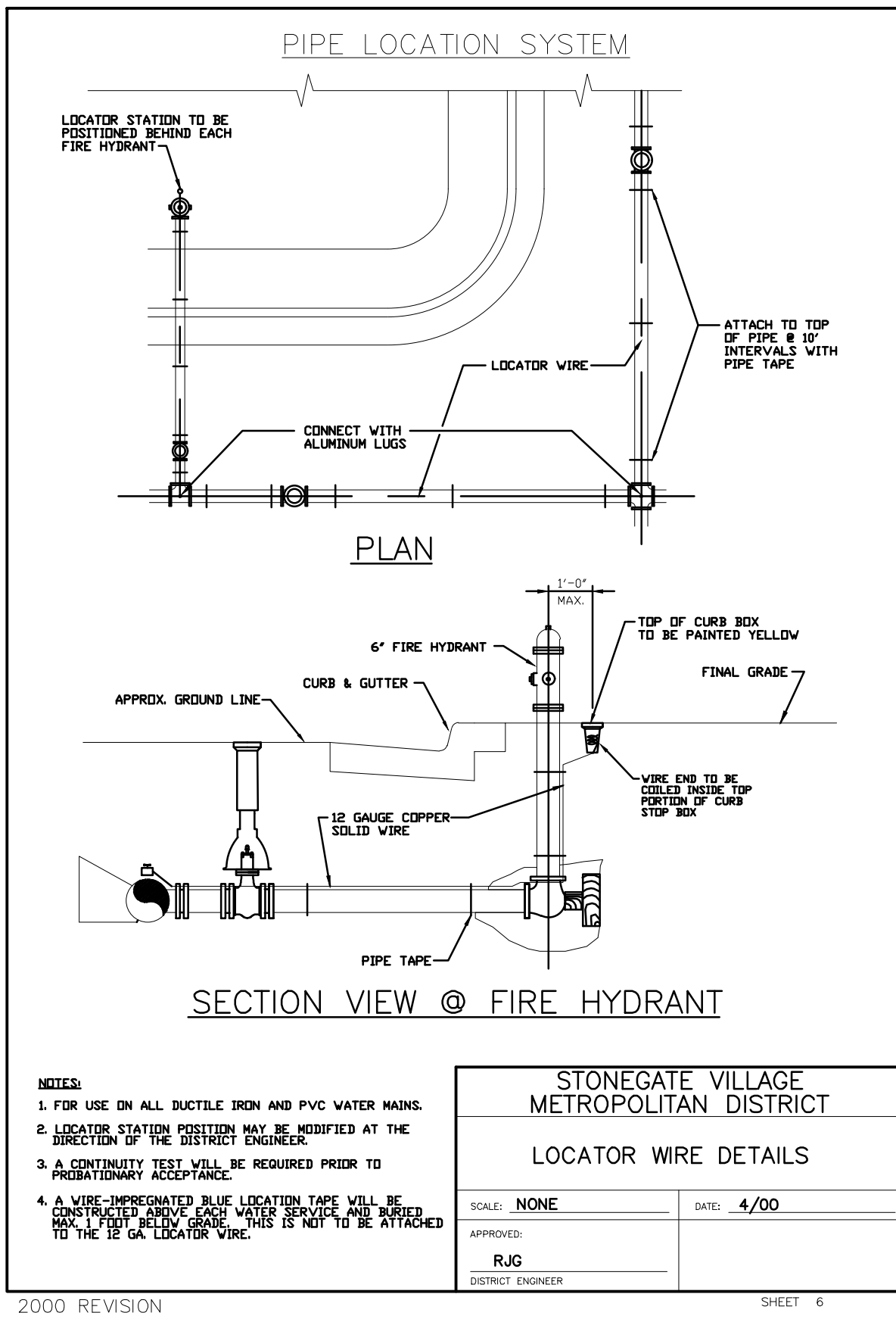
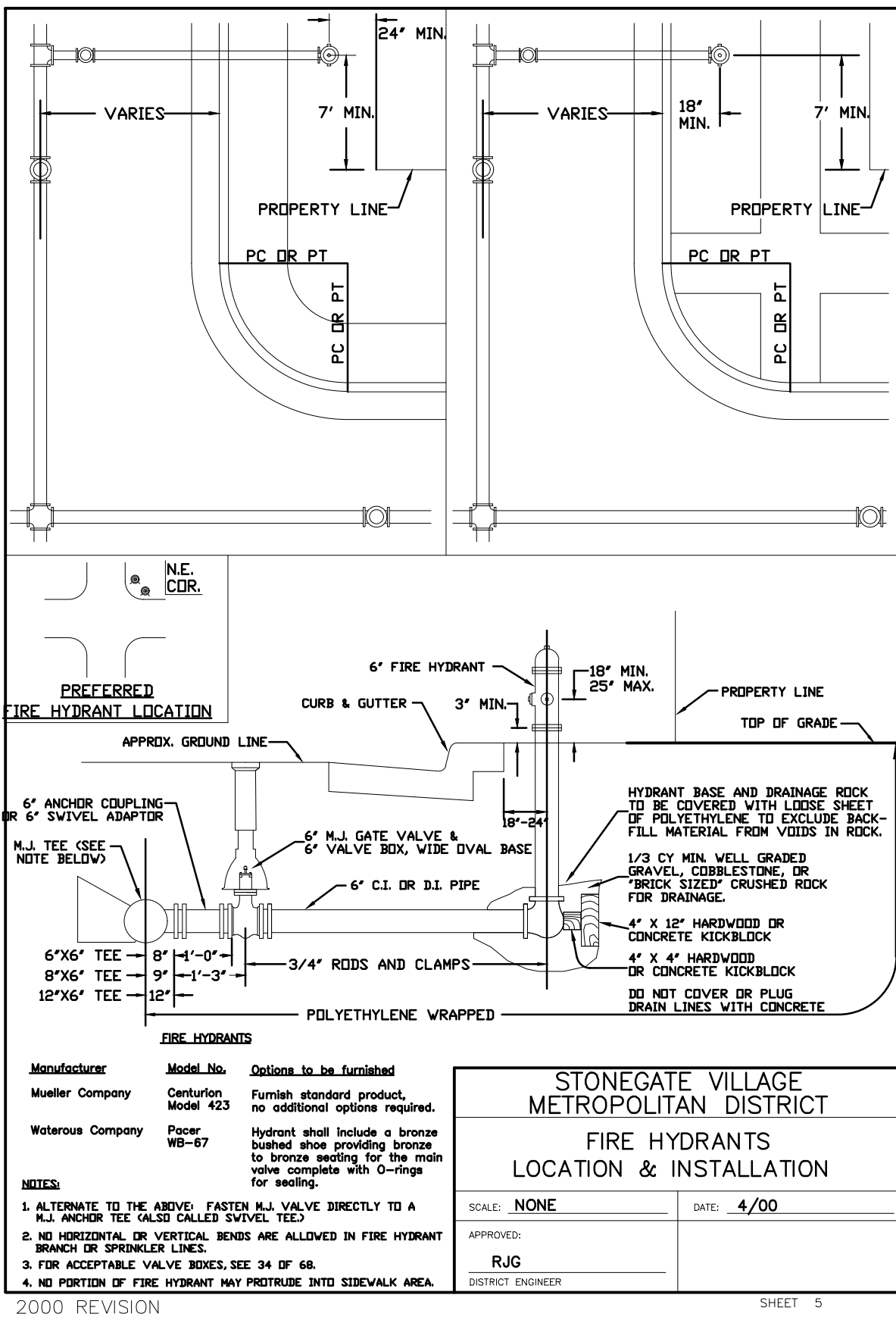
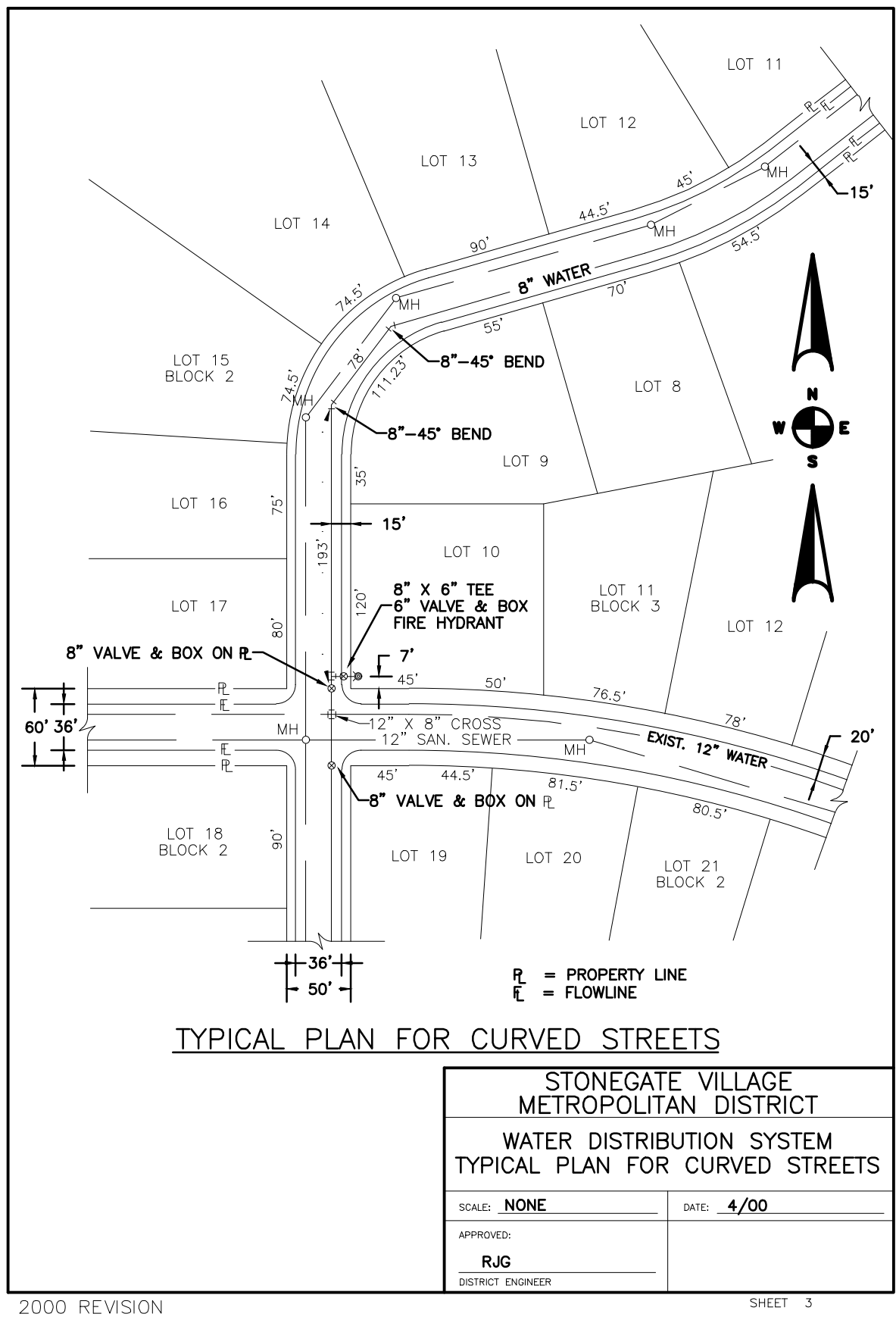
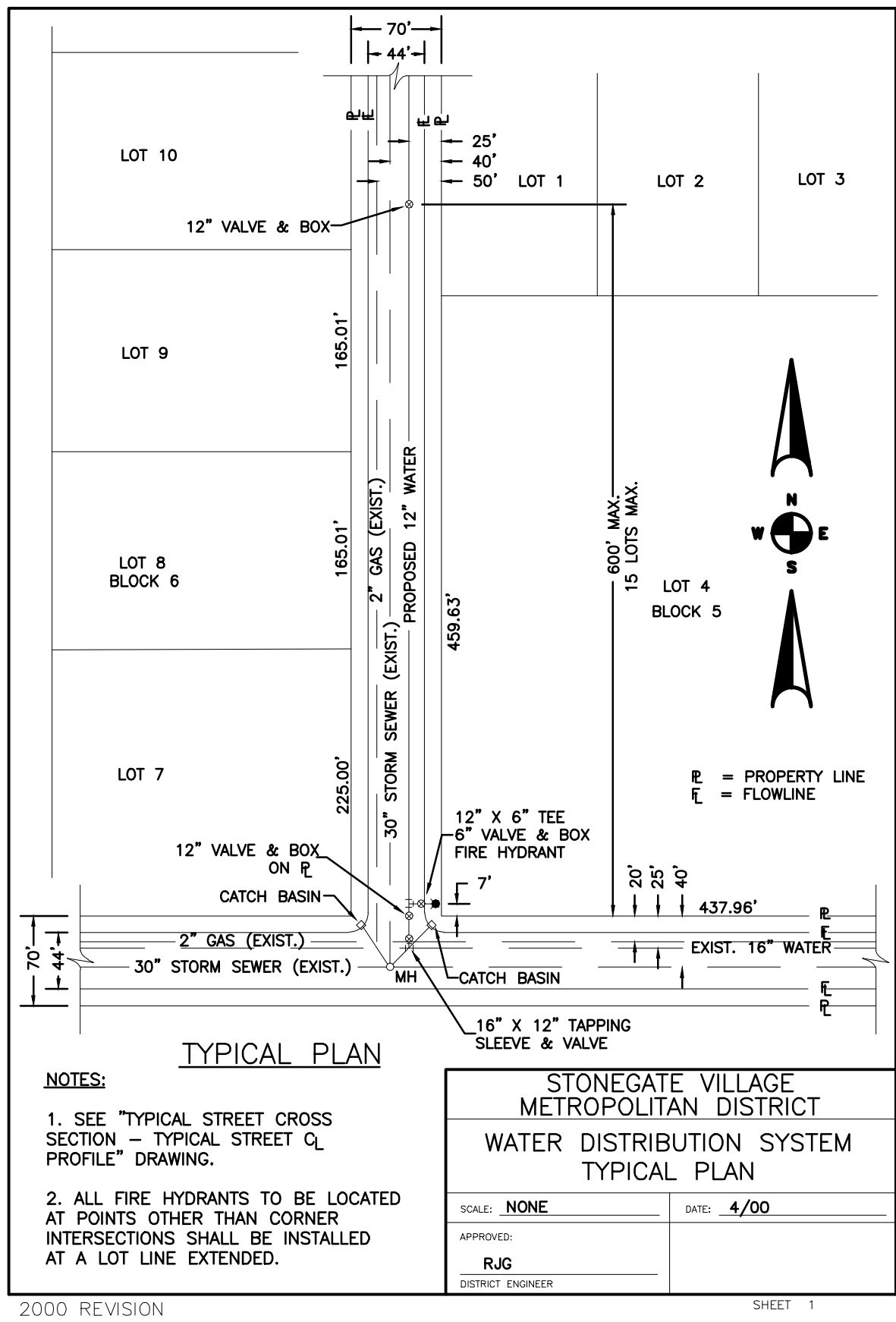
PE STAMP

65120950

44110000

C76

05



THIS AND ANY OTHER ELECTRONIC MEDIA COUNTERPART IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A DEFINED PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE IN WHOLE OR IN PART ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT. REUSE OR MODIFICATION OF ANY UTILIZATION IF NOT A FINISHED INSTRUMENT, WITHOUT THE PRIOR EXPRESS WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE SOLE RISK FOR THE UNAUTHORIZED USER WITHOUT LIABILITY OR LOSS EXPOSURE TO MERRICK AND COMPANY.



LOCKING SCREW
FORGED BRASS
PENTAGON BOLT
CAST IRON CAP TYPE TOP LID
INSTALL LID 1/2" ABOVE GROUND

20"

A

B

8"

12"

4'-0"

(IN TO PRV)

METER

OUT

C

TYPE K
COPPER

CURB STOP VALVE & SERVICE BOX

DEPTH OF HOLE 4'-9"
NOT LESS THAN 4'-6"

IN

PRV

OUT

METER

PLAN

- | METER SIZE | A | B | C |
|-------------|---------|----------|----|
| 5/8" X 3/4" | 12 5/8" | 7 1/2" | 4" |
| 3/4" | 14 1/4" | 9 5/16" | 5" |
| 1" | 17 1/4" | 11 1/16" | 6" |

STONEGATE VILLAGE METROPOLITAN DISTRICT
ALL OUTSIDE SETTING FOR 5/8" 3/4", 3/4" & 1" METERS w/ PRV

SCALE: <u>NONE</u>	DATE: <u>4/00</u>
APPROVED: <u>RJG</u> DISTRICT ENGINEER	

Diagram illustrating the reinforcement details for a circular column cross-section. The column has an outer diameter (O.D.) and an inner diameter (I.D.). The reinforcement details are specified as follows:

- 8 - #4 REBAR WHERE O.D. < O.R. = 10"
- 12 - #6 REBAR WHERE O.D. > 10"
- #4 REBAR @ 24" O.C. WHERE O.D. < O.R. = 10"
- #5 REBAR @ 24" O.C. WHERE O.D. > 10"

Dimensions shown include 2" and 8" TYP. for spacing and a 2" dimension for the outer ring.

TYPICAL SECTION
NTS

- | |
|--|
| STONEGATE VILLAGE
METROPOLITAN DISTRICT |
| WATERLINE ENCASEMENT |

SCALE: <u>NONE</u>	DATE: <u>4/00</u>
APPROVED: <u>RJG</u> DISTRICT ENGINEER	

OPTIONAL CONCRETE MANHOLE BASE BEAMS
(SEE DETAILS SHEET NO. 12)

PLAN

① 48" CONCENTRIC FLAT TOP MANHOLE
② TYPE K COPPER TUBING
③ CURB STOP OR GATE VALVE
④ PRESSURE REDUCTION VALVE
⑤ METER UNIT

FLOW

ELEVATION

4'-0" MIN.

20" MAX.

LADDER RUNG (TYP)

12" MIN.

18" MIN.

12" MIN.

REDUCE PRESSURE ASSEMBLY (COMMERCIAL)
PRESSURE VACUUM BREAKER (RESIDENTIAL)

SEE DETAIL 68

LOK-PAK COUPLING

METER SUPPORT (SHALL BE EITHER CONCRETE OR ADJUSTABLE STEEL PIPE - SEE SHEET NO. 33)

- IRRIGATION ONLY
- NOT TO BE USED IN COMMERCIAL WITHOUT EXPRESS
PERMISSION OF THE DISTRICT MANAGER.
- STONEGATE VILLAGE
METROPOLITAN DISTRICT
- OUTSIDE SETTING FOR 1 1/2" & 2
METER FOR IRRIGATION

SCALE: <u>NONE</u>	DATE: <u>4/00</u>
APPROVED: <u>RJG</u> DISTRICT ENGINEER	

The image contains two technical drawings of a backflow prevention assembly, labeled PLAN and ELEVATION.

PLAN View: This drawing shows the assembly from above. It features a horizontal pipe with a central circular component (the backflow preventer) and several valves or couplings on either side. A vertical pipe enters from the top, labeled "CURB STOP VALVE AND SERVICE BOX". The assembly is positioned relative to an "OUTSIDE WALL". A dimension line indicates a distance of "1/2\" IN." from the wall to the start of the assembly. Arrows indicate the "FLOW" direction from right to left. The drawing is numbered 1 through 7, corresponding to the legend.

ELEVATION View: This drawing shows the assembly from the side. It depicts the profile of the pipes and the central backflow preventer. The assembly is mounted on a "METER SUPPORT" which is attached to an "OUTSIDE WALL". A dimension line indicates a height of "1/2\" MAX." from the support to the top of the assembly. The drawing is numbered 1 through 7, corresponding to the legend.

Legend:

- ① 90° ELBOW
- ② NOT USED
- ③ CURB STOP OR GATE VALVE
- ④ METER UNIT
- ⑤ REDUCE PRESSURE BACKFL PREVENTION ASSEMBLY (TO CERTIFICATION)
- ⑥ TYPE K COPPER TUBING
- ⑦ PRESSURE REDUCING VALVE

- STONEGATE VILLAGE
METROPOLITAN DISTRICT
INSIDE SETTING FOR
1 1/2" & 2" METER WITH CHECK VALVE

SCALE: <u>NONE</u>	DATE: <u>4/00</u>
APPROVED: <u>RJG</u> DISTRICT ENGINEER	

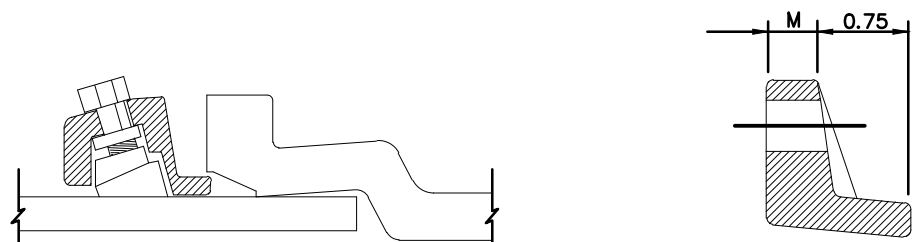
[illegible]

VALVE OPENING & CLOSING PROCEDURE

STONEGATE VILLAGE
METROPOLITAN DISTRICT

VALVE OPERATION	
SCALE: <u>NONE</u>	DATE: <u>4/00</u>
APPROVED: <u>RJG</u> DISTRICT ENGINEER	

MECHANICAL JOINT RESTRAINT



WEDGE DETAIL

BOLT HOLE DETAIL

		NOMINAL PIPE SIZE	NO. OF BOLTS	NO. OF WEDGES	K2 INCHES	J INCHES	F INCHES	M INCHES		
P V C		4"	2	2					P V C	
		6"	6	3	11.12	9.5	7.00	0.88		
		8"	6	4	13.37	11.75	9.15	1.00		
		10"	8	6	15.62	14.00	11.20	1.00		
D I		12"	8	8	17.88	16.25	13.30	1.25	D I	
		4"	4	2						
		6"	6	3	11.12	9.5	7.00	0.88		
		8"	6	4	13.37	11.75	9.15	1.00		
		10"	8	6	15.62	14.00	11.20	1.00		
		12"	8	8	17.88	16.25	13.30	1.25		

- NOTES:
1. REFER TO SHEET W-19
SECTION 6.10.
 2. DIMENSIONS FOR 16" AND 20"
D.I. PIPE NOT SHOWN.

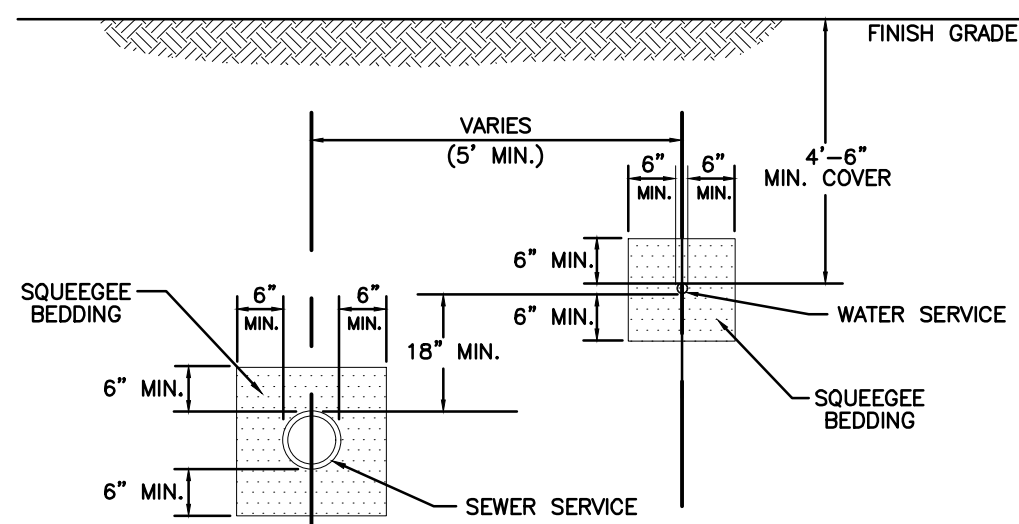
STONEGATE VILLAGE
METROPOLITAN DISTRICT

MECHANICAL JOINT RESTRAINT DETAILS	
SCALE: <u>NONE</u>	DATE: <u>4/00</u>
APPROVED: <u>RJG</u> DISTRICT ENGINEER	

Diagram illustrating the foundation wall and footing details, including dimensions and materials:

- WATERPROOF ALL FOUNDATION PENETRATIONS**
- FOUNDATION WALL**
- 4" NO-HUB CLAMP (3" MAX. DEFLECTION)**
- 4" BENDS (3 MAX.)**
- VARIES (10' MIN.)**
- 5' MIN.**
- 5' MIN.**
- 4" SDR 35 PVC SLEEVE UNDER DRIVEWAY**
- 3/4" K COPPER**
- 3/4" FLARE FITTING**
- NO CONNECTIONS ON WATER LINE**
- BACK OF WALK**
- EXISTING SERVICE STUBS (LOCATIONS VARY LOT TO LOT)**
- SEWER LINE:**
 - SDR 35 PVC (OR OTHER APPROVED PIPE)
 - 2% MIN. GRADE
- SOIL PIPE:**
 - AGS SCH. 40 PVC
 - 2% MIN. GRADE

TYPICAL SERVICES PLAN VIEW



TYPICAL SERVICES SECTION
NTS

- NOTE
- SEE SHEET 67 OF 68 FOR DISTRICT
POLICIES AND INSTALLATION NOTES.

STONEGATE VILLAGE
METROPOLITAN DISTRICT

TYPICAL WATER SERVICES	
SCALE: <u>NONE</u>	DATE: <u>4/00</u>
APPROVED: <u>RJG</u> DISTRICT ENGINEER	

INSPECTION POLICY:

1. ALL SERVICE INSPECTIONS MUST BE SCHEDULED WITH THE DISTRICT ENGINEER (303) 263-3699 AT LEAST 24 HOURS IN ADVANCE OF THE REQUESTED INSPECTION.
2. SERVICE INSPECTIONS WILL OCCUR BETWEEN 8:00 A.M. AND 3:00 P.M. SPECIFIC INSPECTION TIMES ARE NOT AVAILABLE.
3. IF THE CONTRACTOR IS NOT READY FOR INSPECTION WHEN THE INSPECTOR ARRIVES AT THE SITE, A RE-INSPECTION WILL HAVE TO BE SCHEDULED IN ACCORDANCE WITH NOTES 1 AND 2 ABOVE.
4. SHOULD THE SERVICE LINES BE DAMAGED BY LATER CONSTRUCTION, AN INSPECTION OF THE REPAIR WILL BE REQUIRED IN ACCORDANCE WITH NOTES 1 AND 2 ABOVE.
5. THE CONTRACTOR SHALL LEAVE ALL PIPE AND FITTINGS EXPOSED FOR THE INSPECTOR TO INSPECT. INSPECTION SHALL NOT BE CONSIDERED COMPLETE UNTIL ALL EXPOSED MATERIALS, THE TOP LAYER OF BEDDING CAN BE ADDED AFTER THE INSPECTION HAS BEEN COMPLETED.
6. ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH OSHA STANDARDS.

INSTALLATION NOTES:
WATER

1. ACCEPTABLE PIPE MATERIALS SHALL BE K-COPPER TUBING. (3/4" MIN.)
2. APPROVED BIDDING TO BE SQUEEGEE.
3. ONLY ONE COUPLING WILL BE ALLOWED BETWEEN THE STUB-IN AND BUILDING. A COUPLING MAY BE EITHER FLARED OR SILVER-SOLDERED. COMPRESSION COUPLINGS WILL NOT BE ALLOWED. MOVED CURB BOXES MUST BE INSPECTED BY PWSO PRIOR TO BURIAL.
4. A WATER SERVICE WHICH CROSSES A SEWER SERVICE CAN DO SO ONLY AT A 90°± ANGLE. MAXIMUM .45" ANGLE MINIMUM. WATER SERVICES SHALL BE LOCATED A MINIMUM OF 18" ABOVE SEWER SERVICE.
5. WATER SERVICE FOUNDATION PENETRATIONS SHALL BE WATERPROOFED USING MASTIC OR OTHER APPROVED METHOD.
6. STOPBOX MUST BE PLUMB AND CENTERED OVER NUT, AND MUST BE SET AT OR, SLIGHTLY ABOVE FINISHED GRADE.
7. STOPBOXES MUST BE SET AT BACK OF SIDEWALK ONLY (TOUCHING) NOT AT CURBS.
8. NO CRAWLSPACE MOUNTED METERS ALLOWED.
9. WATERLINE MUST BE ATTACHED TO A SUPPORT BOARD THAT IS MOUNTED TO THE WALL.
10. NO VOIDS ALLOWED UNDER WATERLINES FROM STOP BOX TO FOUNDATION.
11. METER SHOULD BE LOCATED ON SAME SIDE OF HOUSE AS CURESTOP IF POSSIBLE.
12. WATERLINES PASSING UNDER DRIVEWAYS NEED TO BE SLEEVED IN 4" P.V.C. AND HAVE EXPRESS PERMISSION OF THE DISTRICT.
13. YOKES SHOULD BE MOUNTED NO GREATER THAN 6 INCHES ABOVE BOTTOM SHUTTOFF. EACH SERVICE LINE SHOULD HAVE A STOP AND WASTE VALVE AND A PRESSURE REDUCING VALVE LOCATED WITHIN THE ABOVE REFERENCED 6 INCH SPACE.
14. NO SPLICES OR FLARED COUPLINGS ALLOWED ON WATERLINES, SILVER SOLDIER JOINTS MUST BE USED IN MOVING STOPBOXES, AND SILVER SOLDIER JOINT MUST BE INSPECTED BY SGMVD PRIOR TO BURIAL.
15. ONLY 3/4" (JUMPER OR CHEATER) PIPES (RESIDERS) ARE ALLOWED (JUMPER OR CHEATER) PIPES WILL BE REMOVED PRIOR TO METER SET DATE.
16. ALL SERVICES WILL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS:
"W" FOR SANITARY SERVICE
"V" FOR WATER SERVICE

STONEGATE VILLAGE
METROPOLITAN DISTRICT

DISTRICT POLICIES & INSTALLATION	
NOTES FOR WATER SERVICES	
SCALE: <u>NONE</u>	DATE: <u>4/00</u>
APPROVED: <u>RJG</u> DISTRICT ENGINEER	

MERRICK®

Engineering | Architecture | Design-Build | Surveying | Planning | Geospatial Solutions

5970 GREENWOOD PLAZA BLVD. GREENWOOD VILLAGE, CO. 80111
303.751-0741
www.merrick.com



CENTURY
Living

[illegible]

COMPARK VILLAGE SOUTH

WATER AND SANITARY PLANS

STANDARD DETAILS - WATER

Time

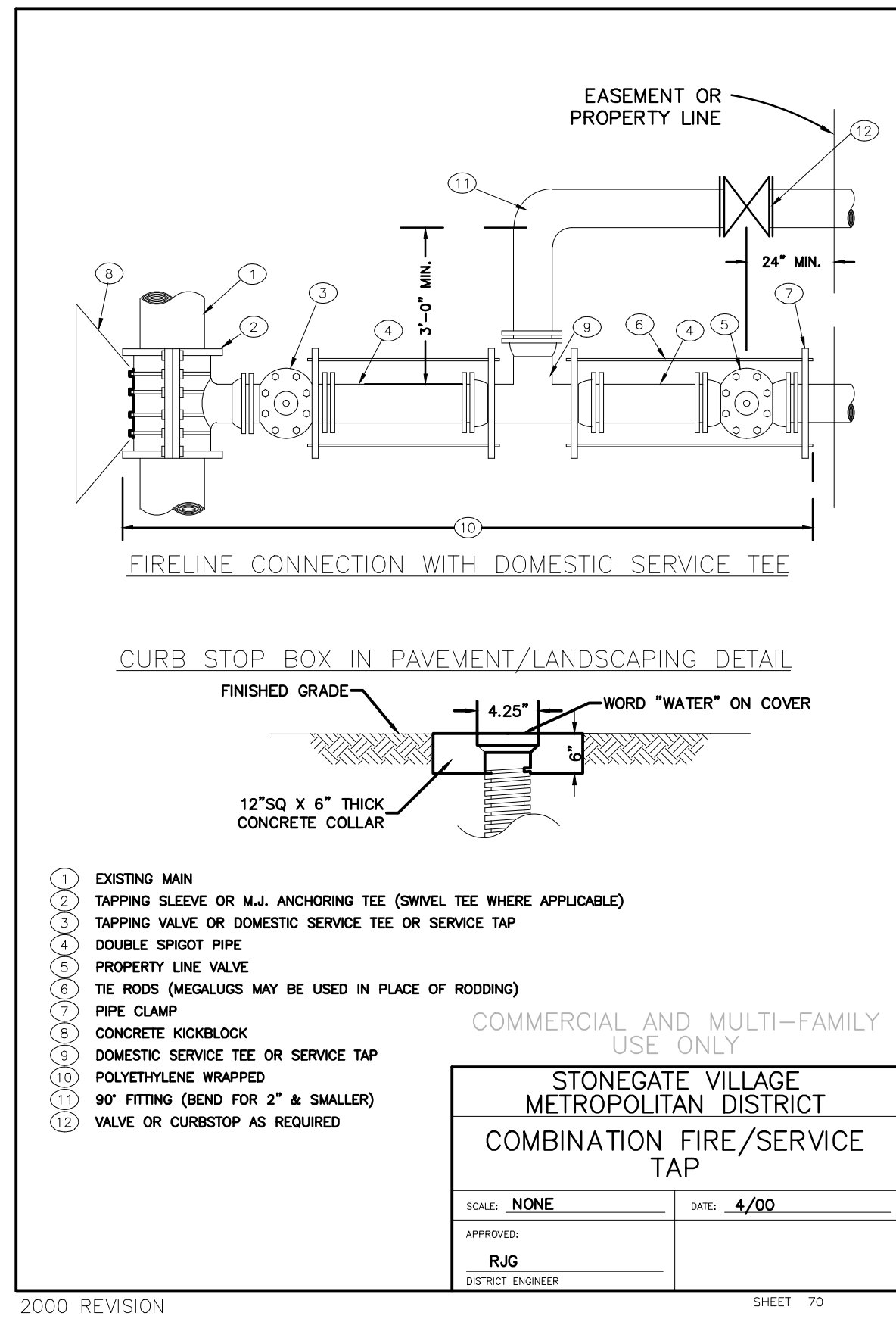
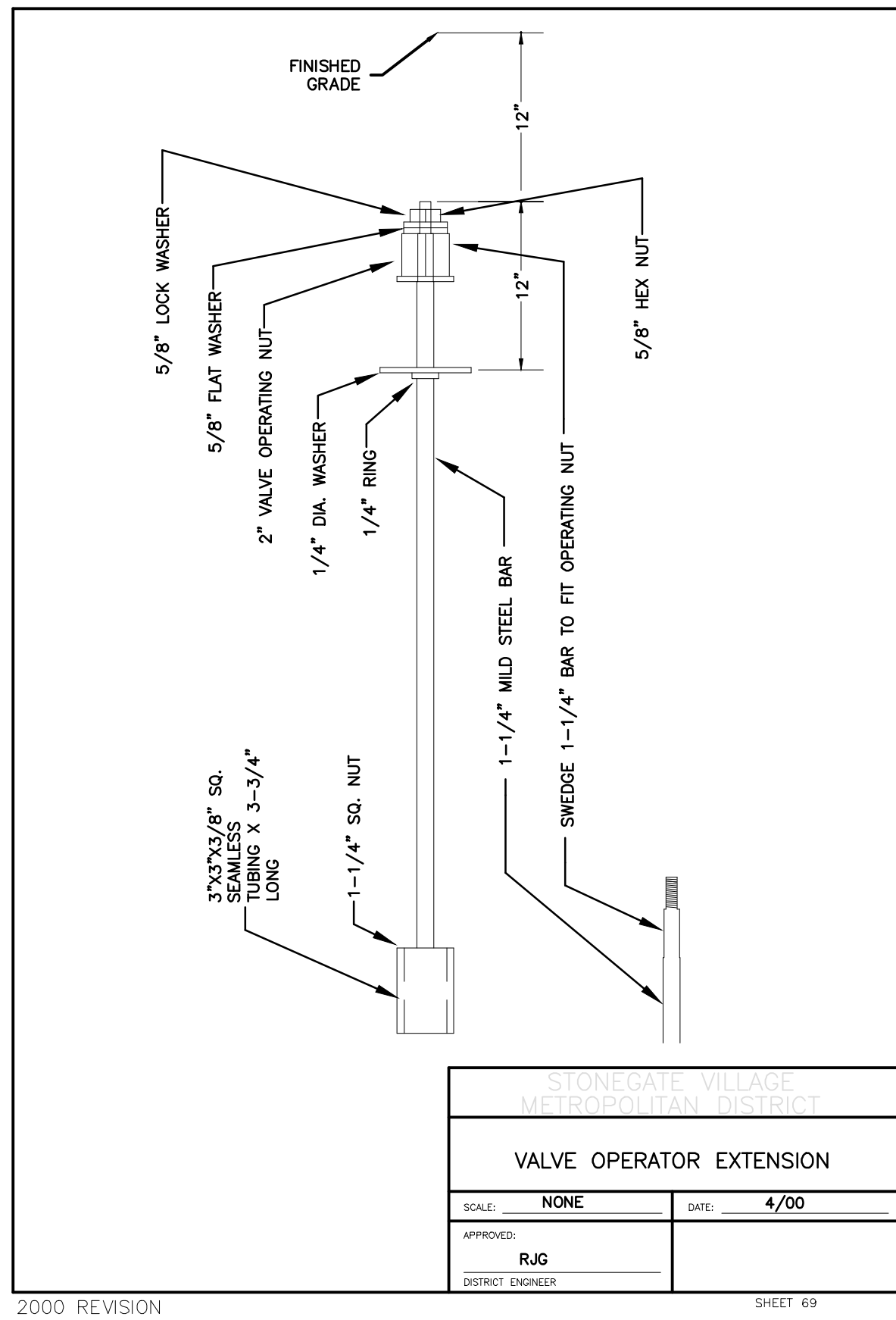
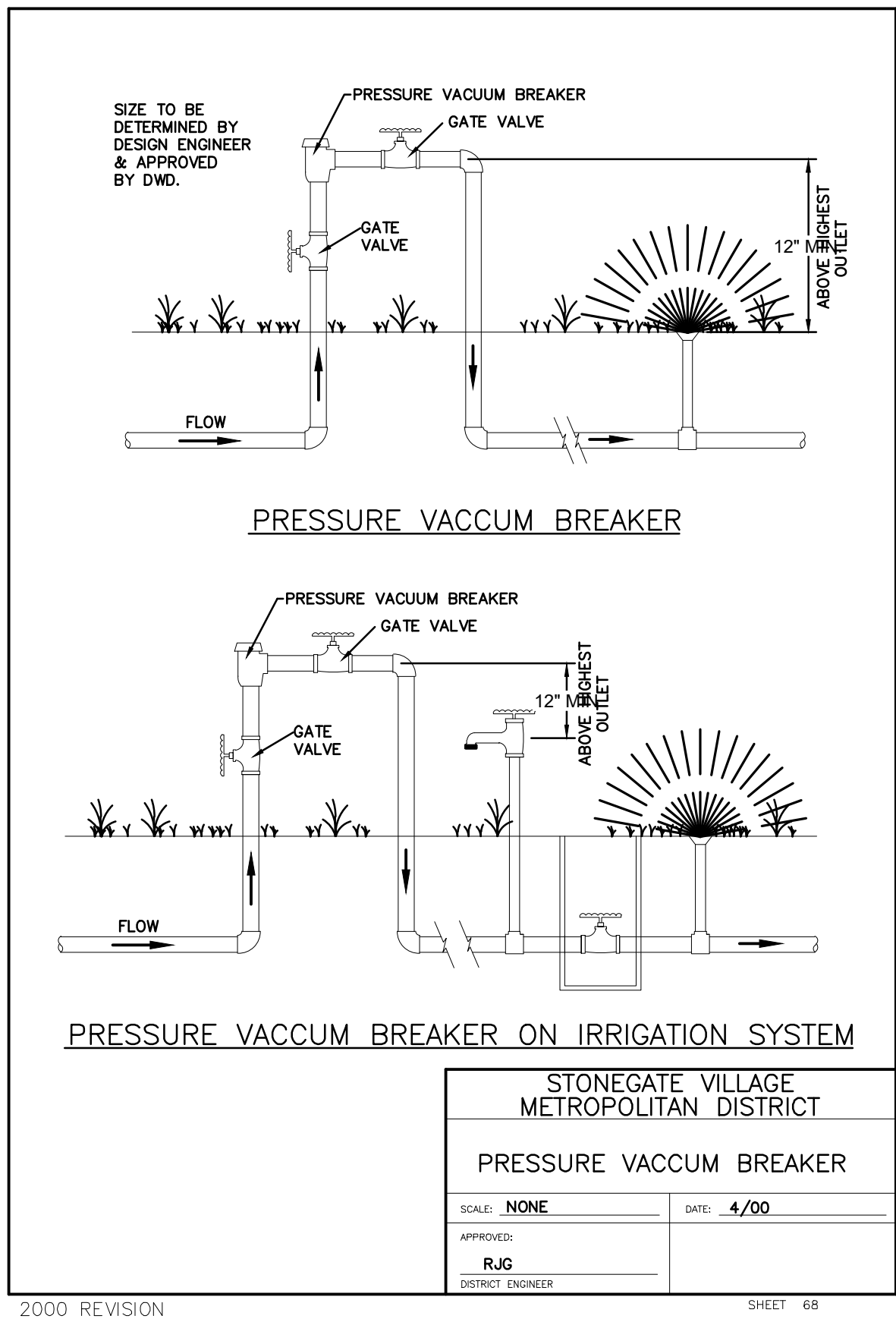
ISSUED FOR REVIEW

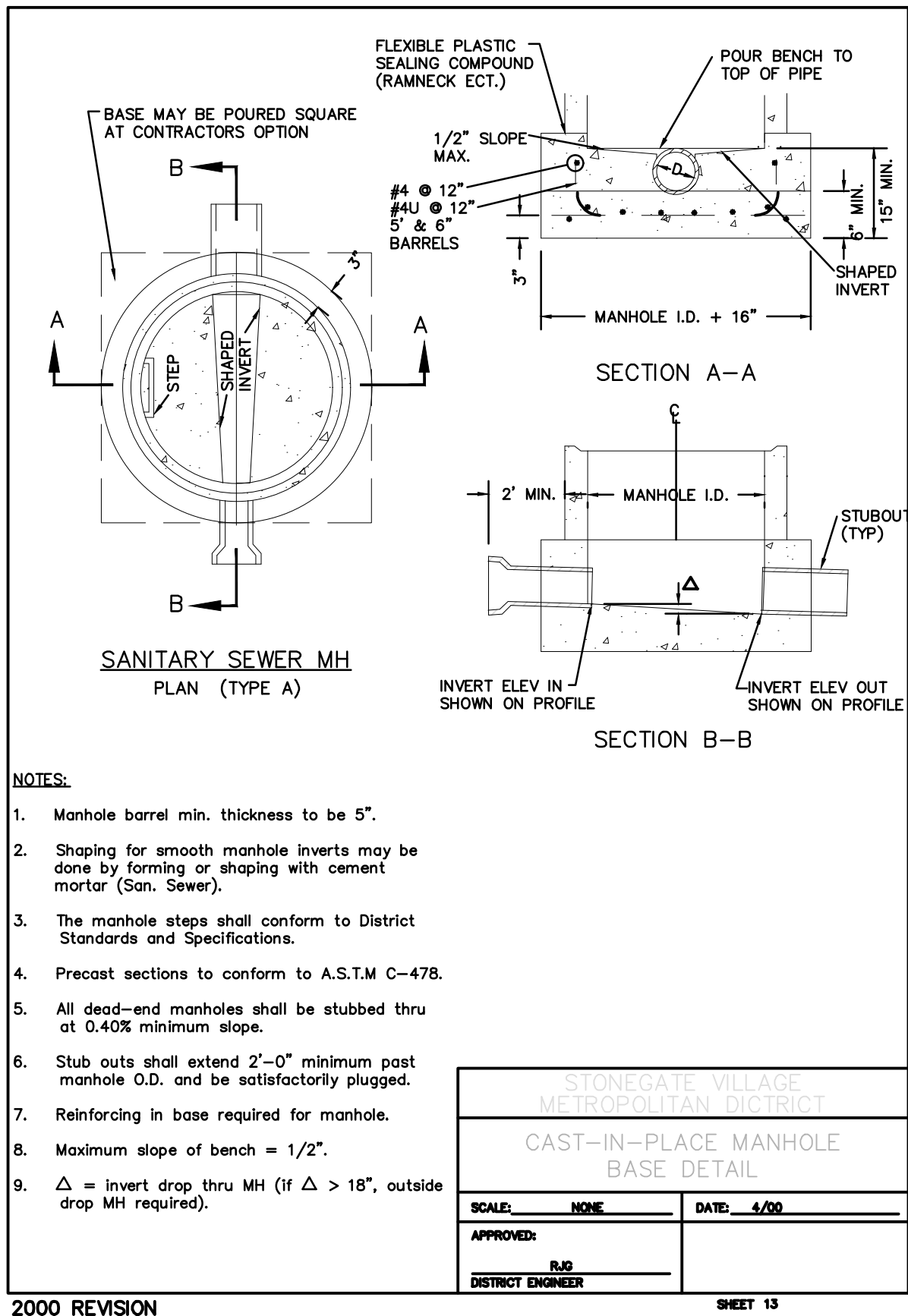
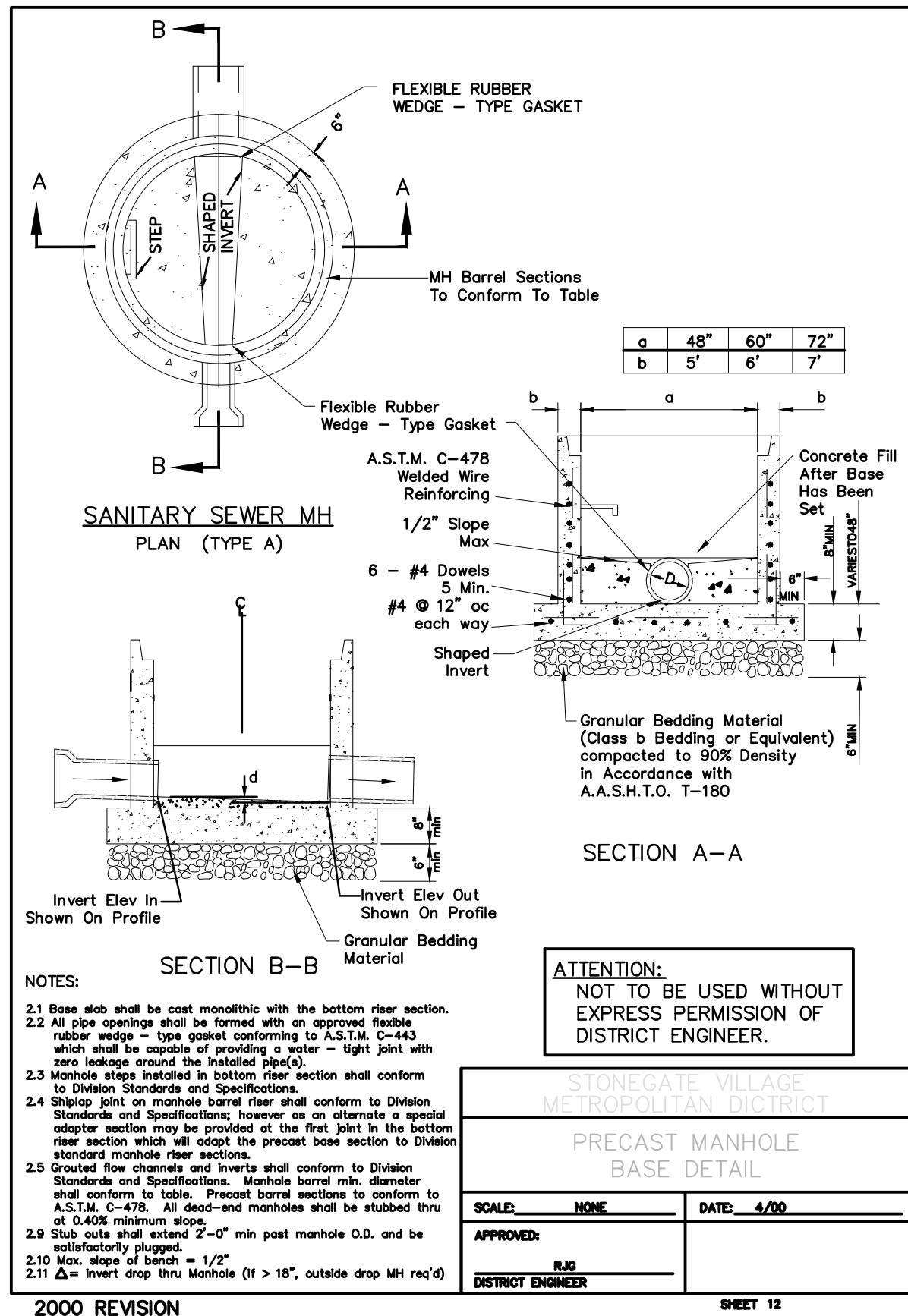
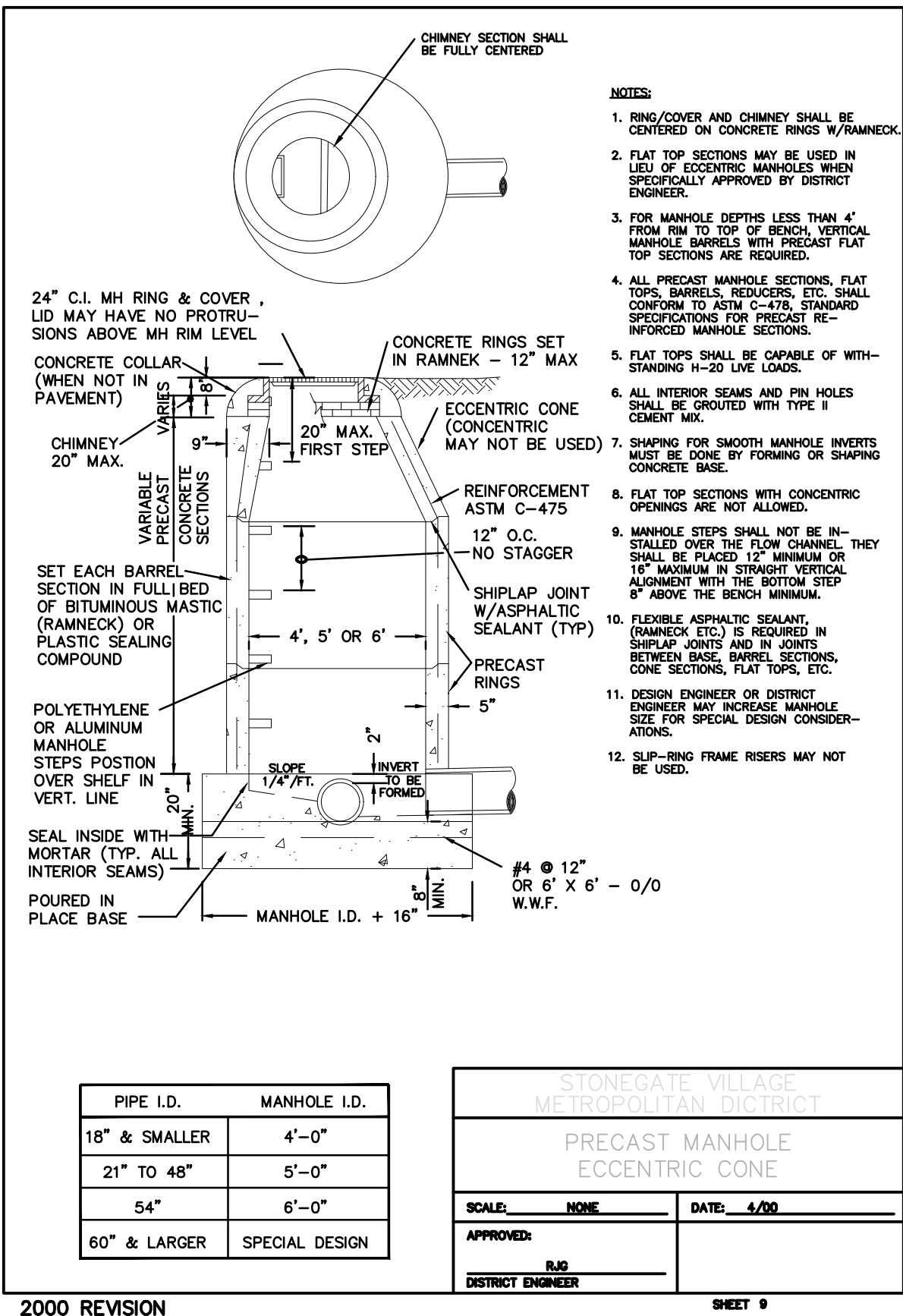
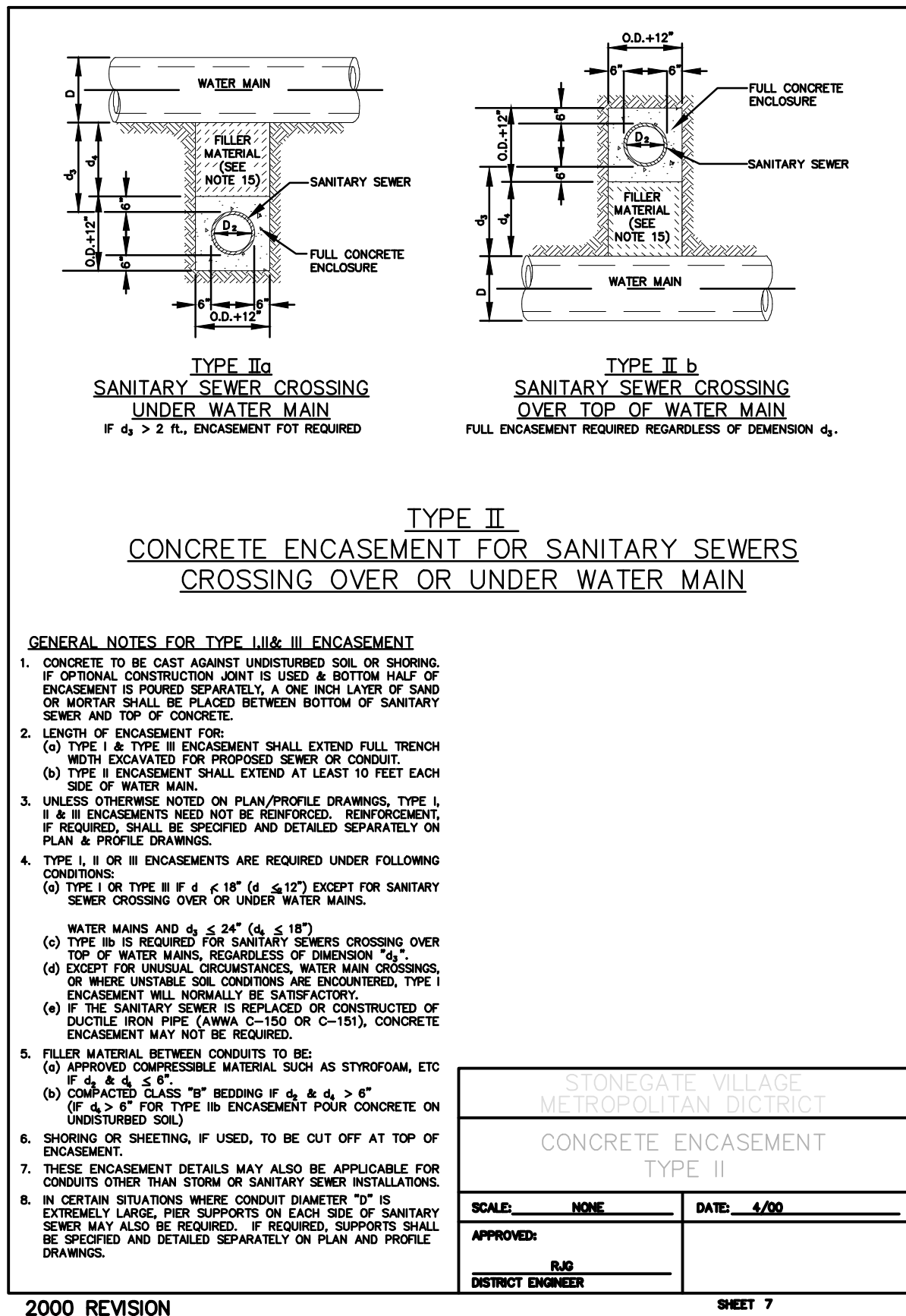
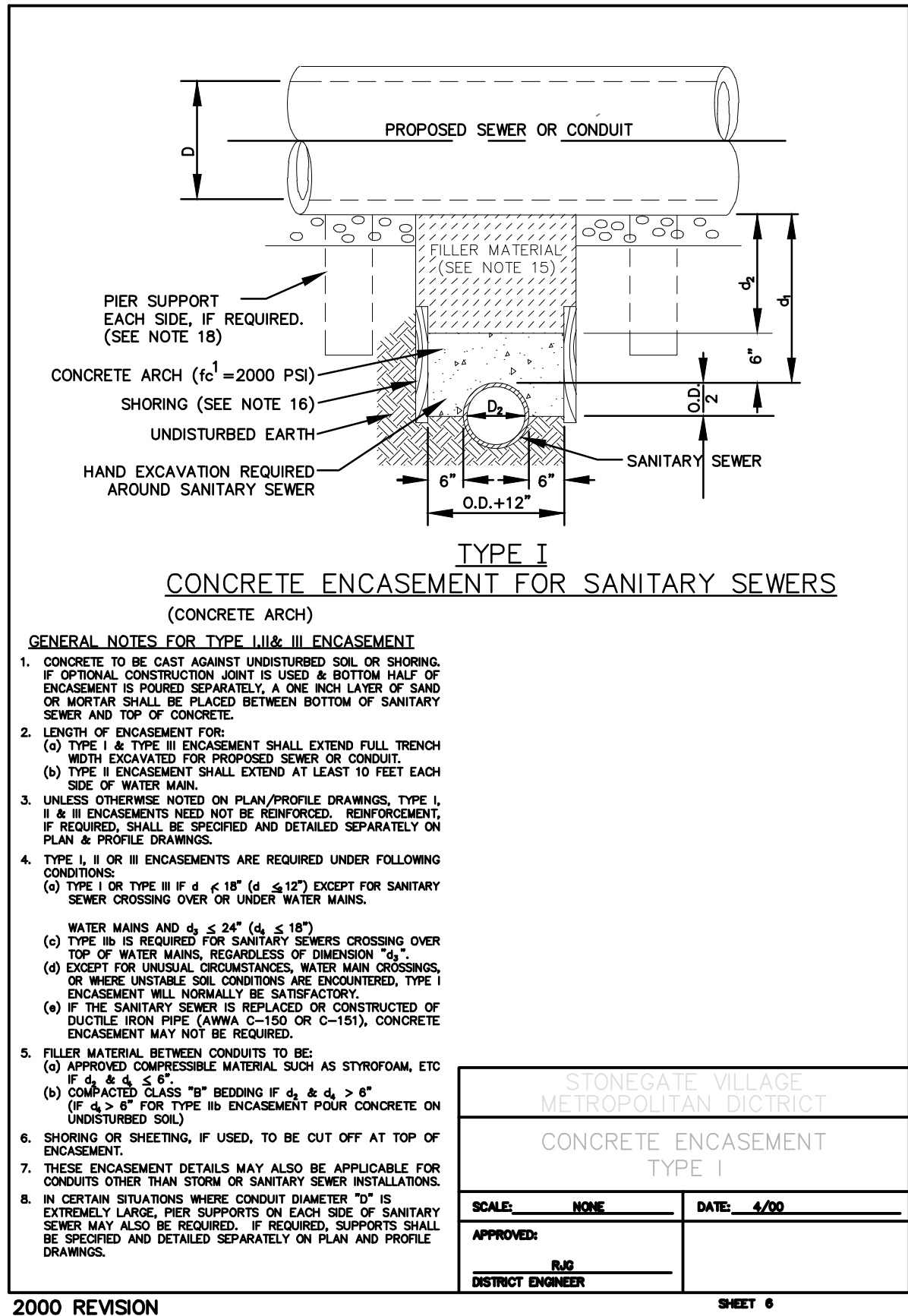
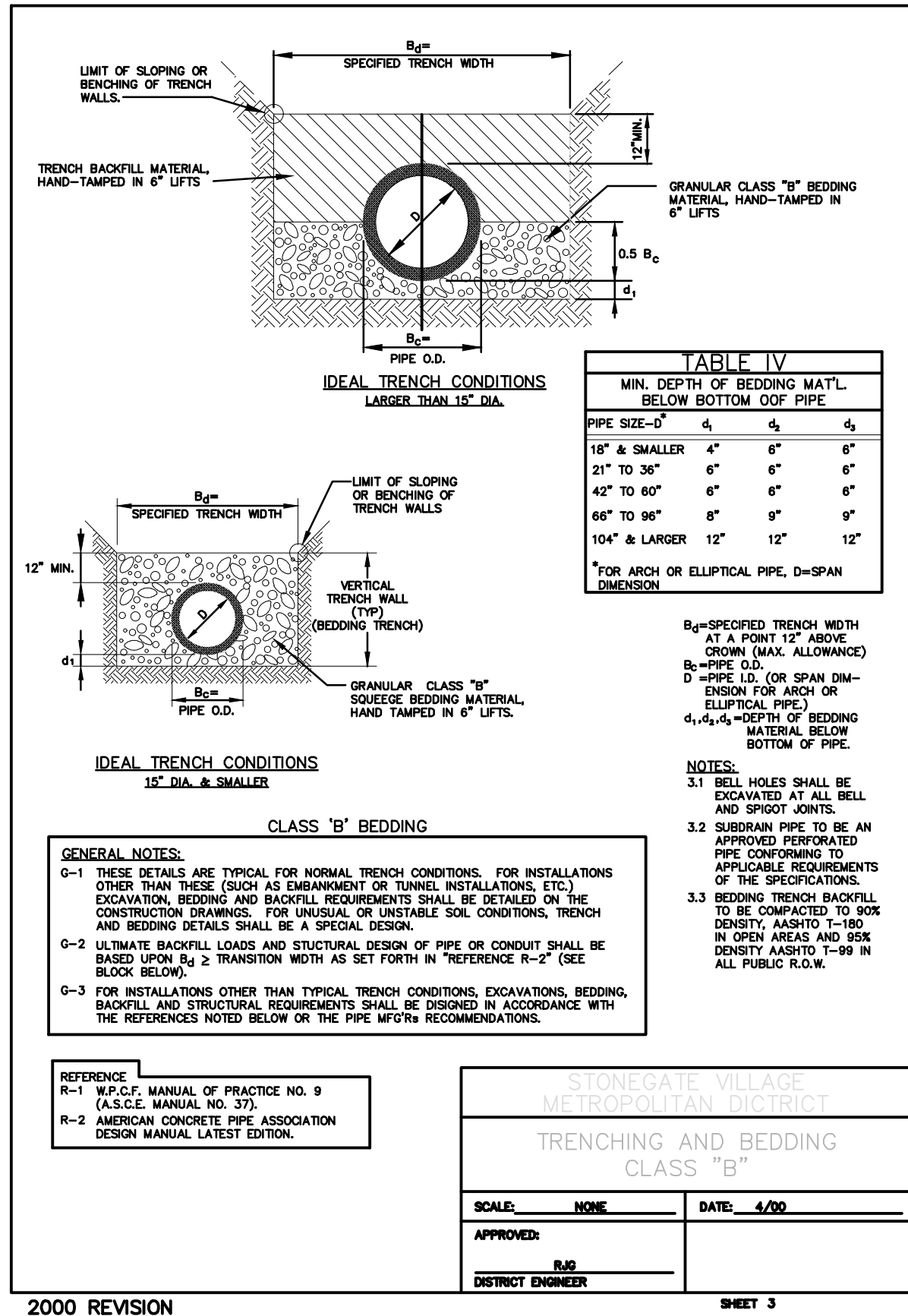
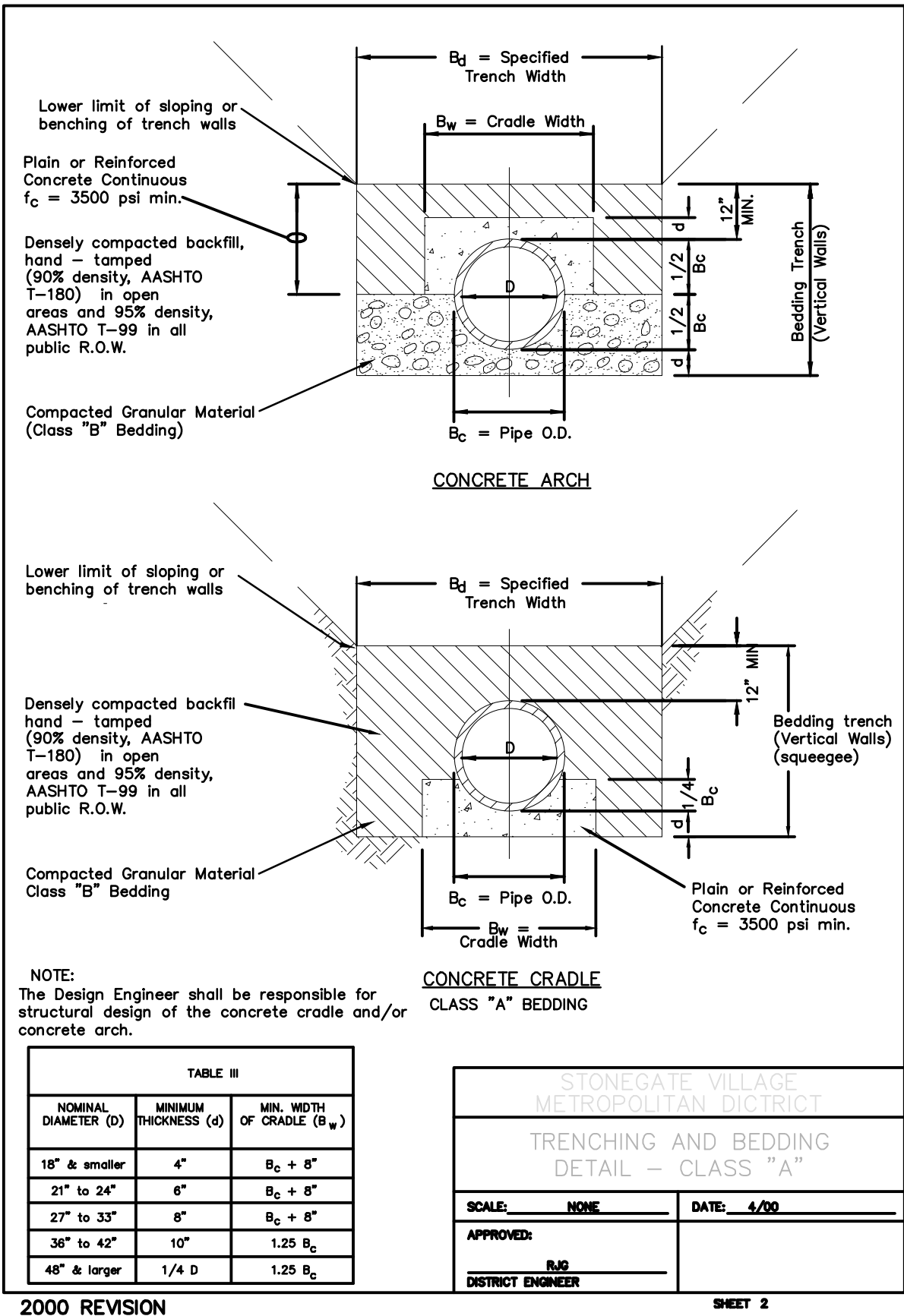
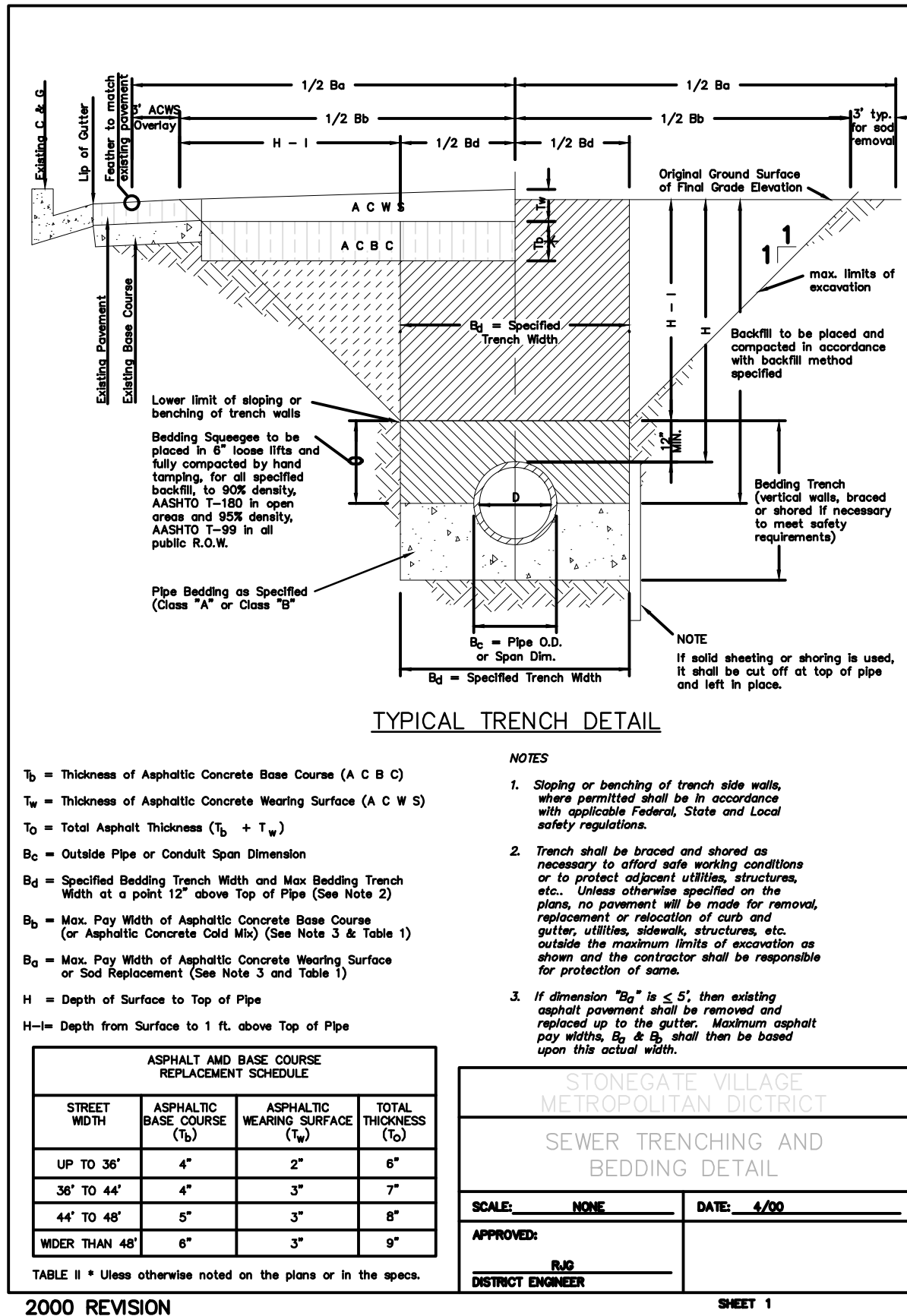
PE STAMP

JOB NUMBER 65120950
 DATE 11/4/2022
 SHEET C7.9
 09

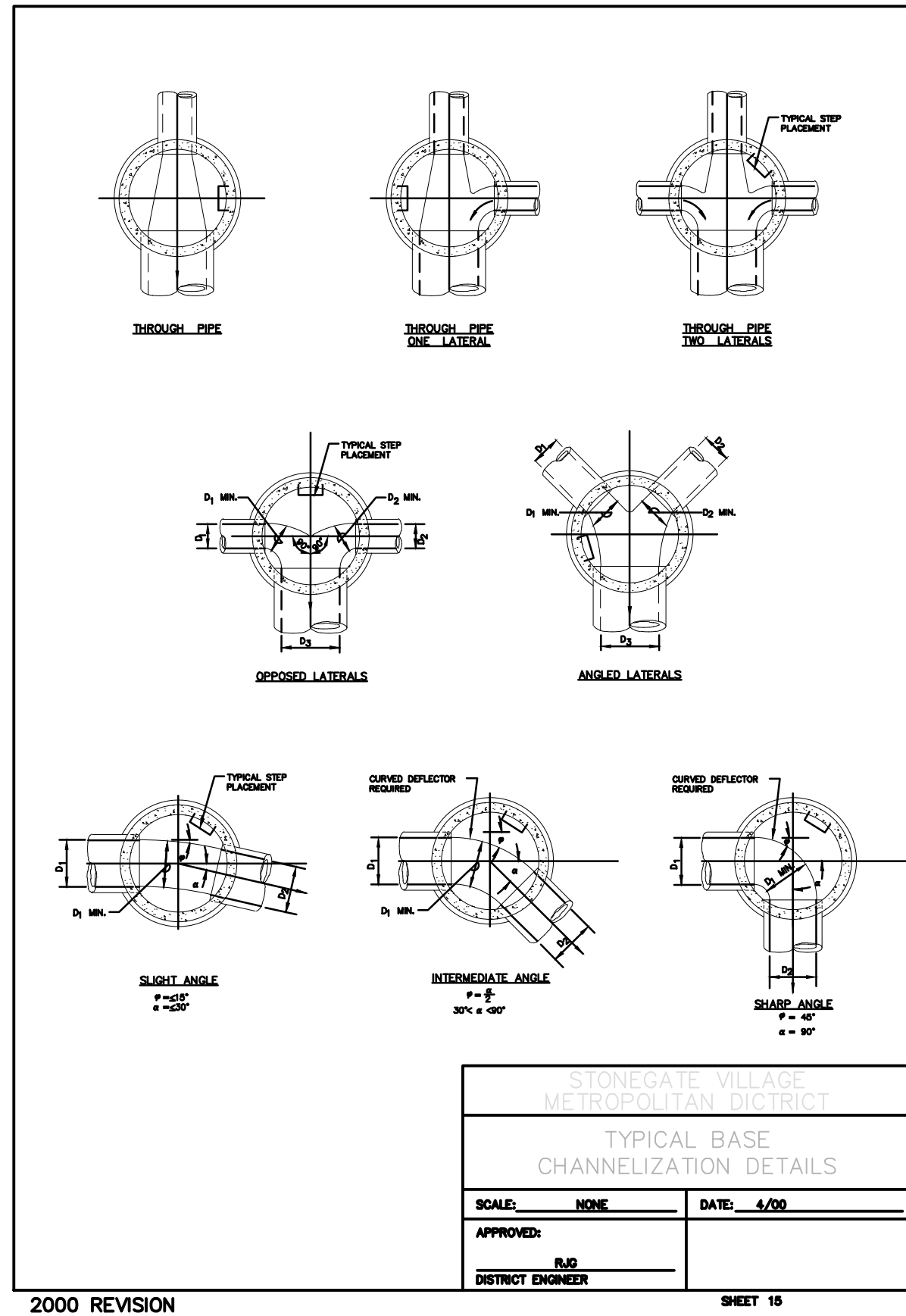
FOR AND ON BEHALF OF MERCK & COMPANY

THIS AND ANY OTHER ELECTRONIC MEDIA COUNTERPART IS AN INSTRUMENT OF SERVICE PREPARED BY MERRICK AND COMPANY FOR A DEFINED PROJECT. IT IS NOT INTENDED OR REPRESENTED TO BE SUITABLE FOR REUSE IN WHOLE OR IN PART ON EXTENSIONS OF THE PROJECT OR ON ANY OTHER PROJECT, REUSE OR MODIFICATION, OR ANY UTILIZATION IF NOT A FINISHED INSTRUMENT. WITHOUT THE PRIOR EXPRESS WRITTEN CONSENT OF MERRICK AND COMPANY SHALL BE AT THE SOLE RISK FOR THE UNAUTHORIZED USER WITHOUT LIABILITY OR LOSS EXPOSURE TO MERRICK AND COMPANY.



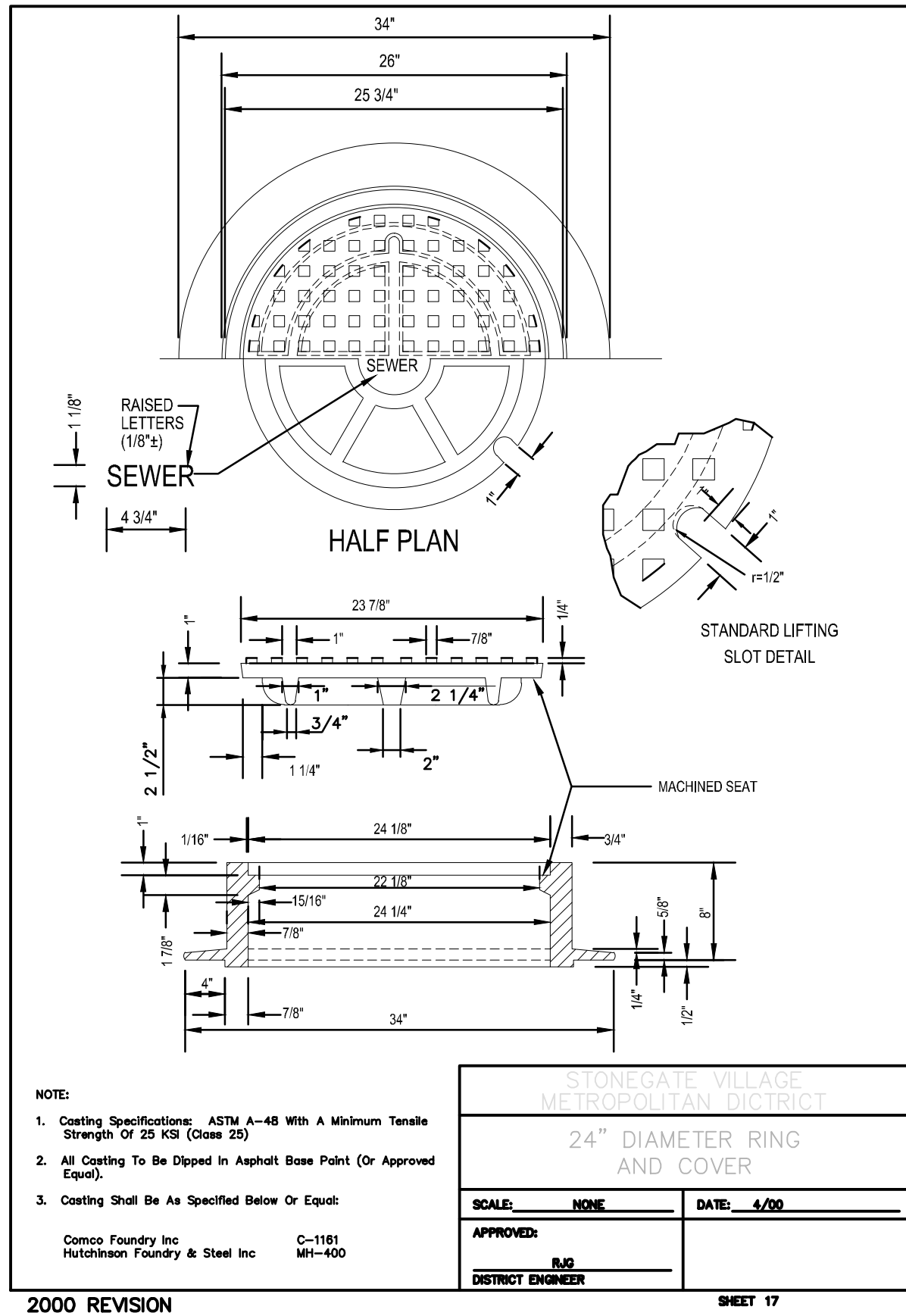


Know what's below.
Call before you dig.



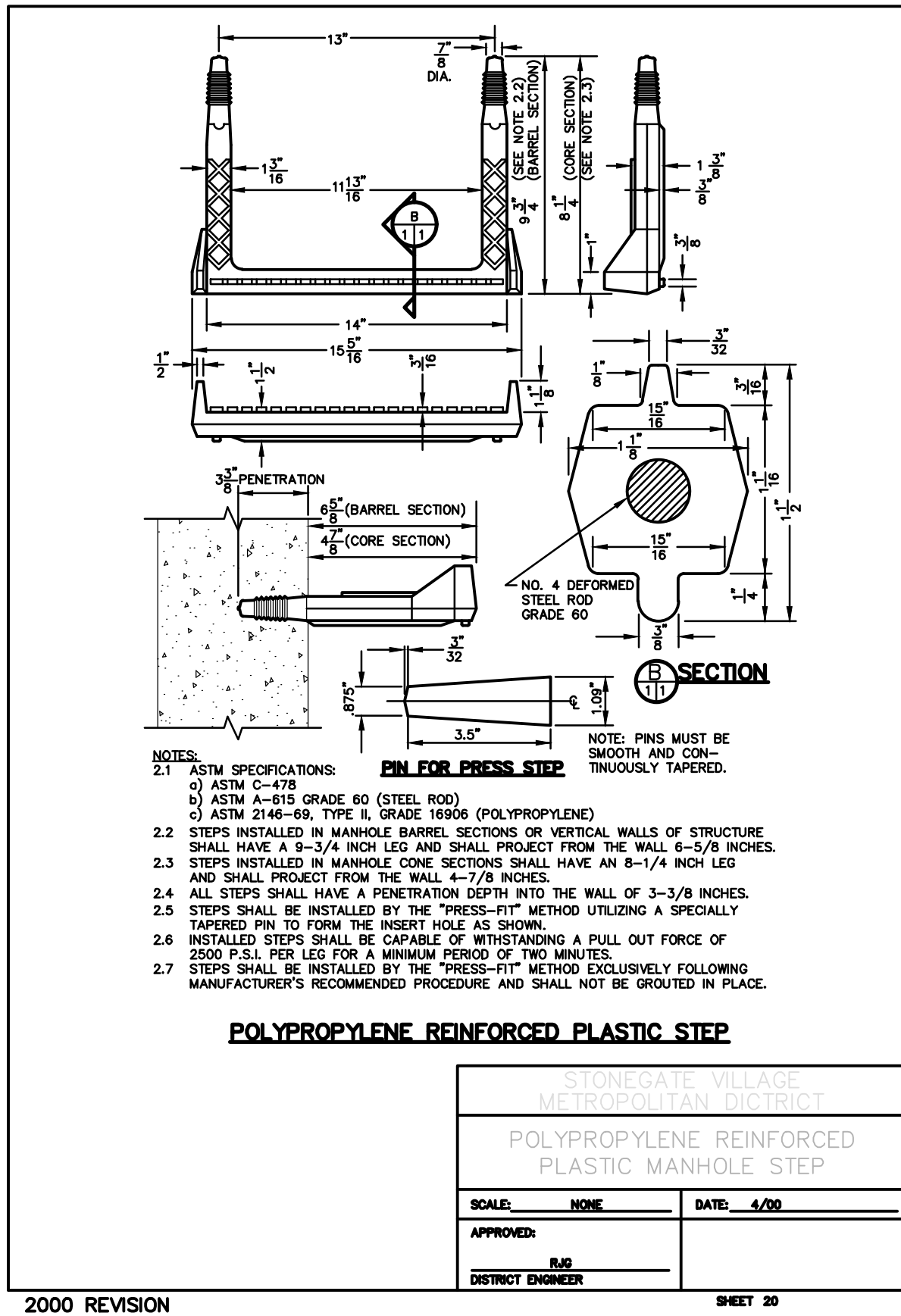
2000 REVISION

SHEET 15



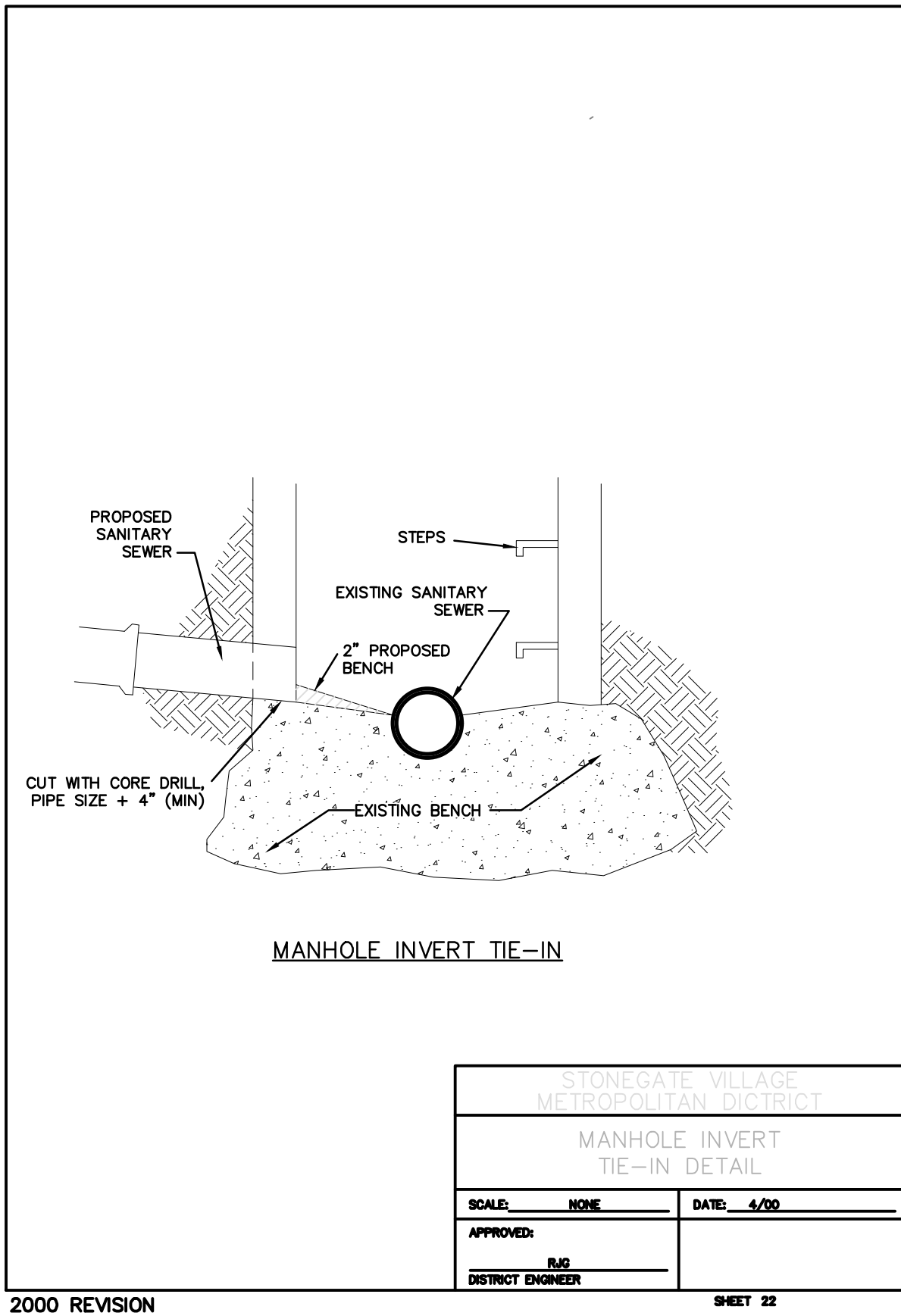
2000 REVISION

SHEET 17



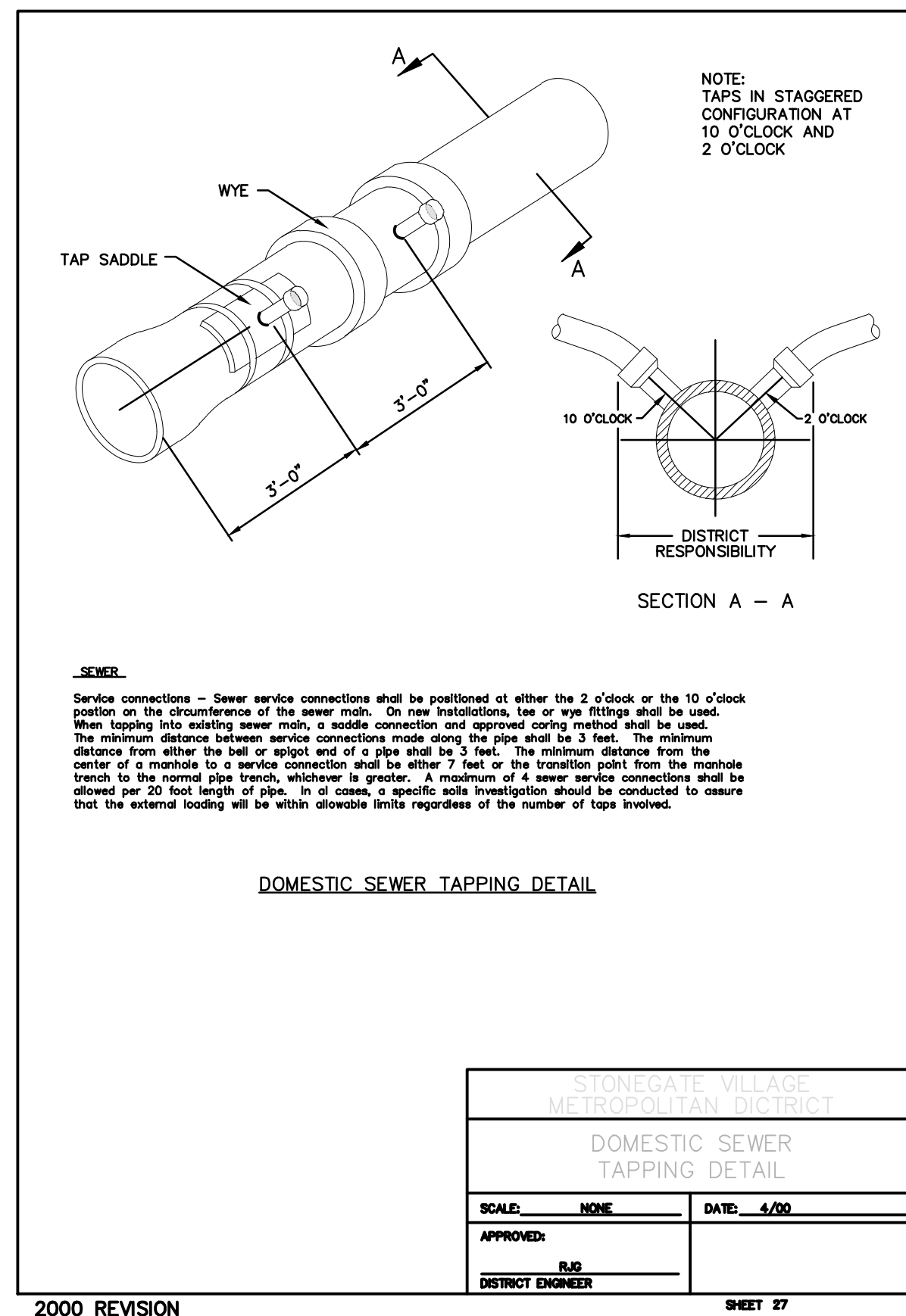
2000 REVISION

SHEET 20



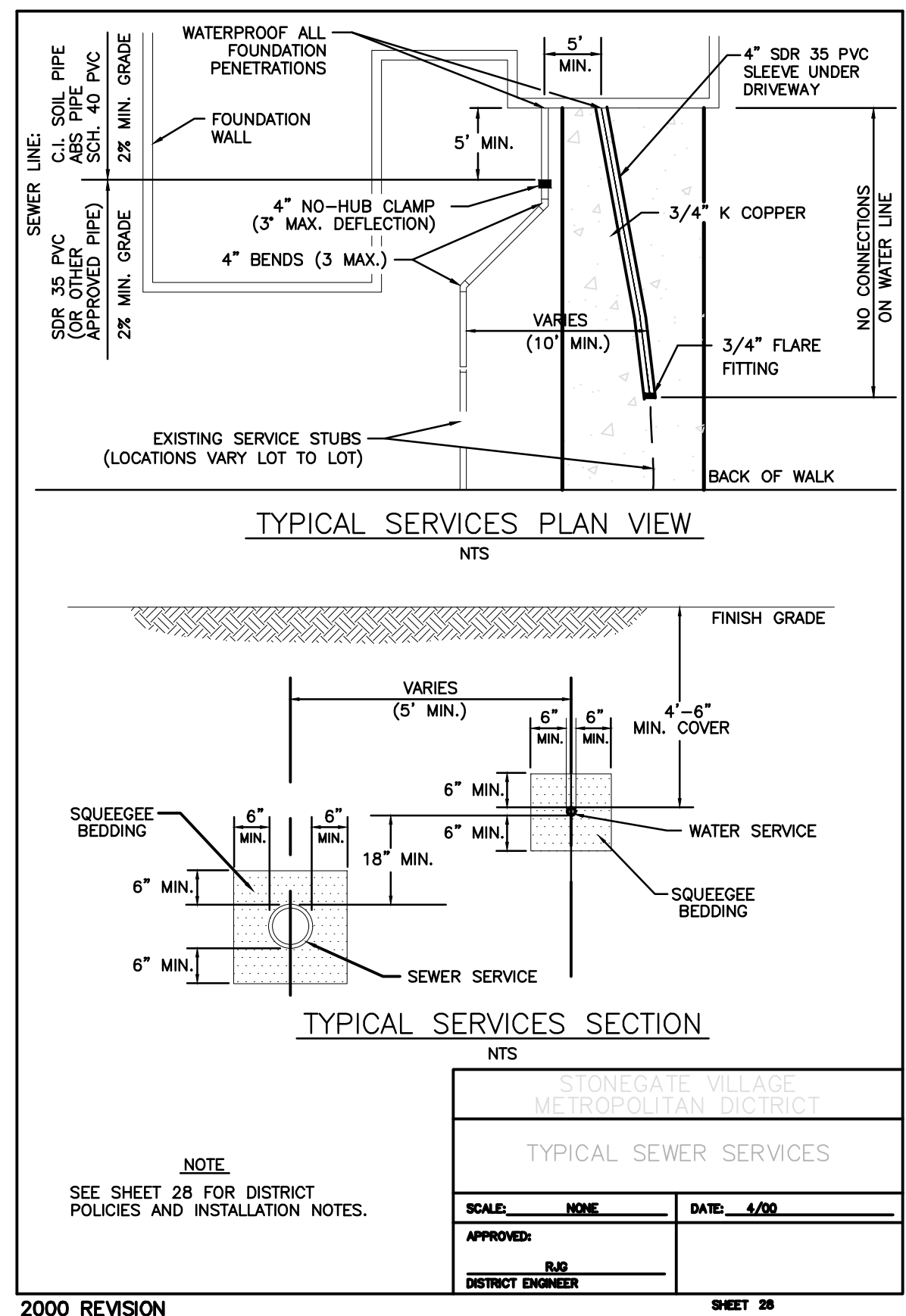
2000 REVISION

SHEET 23



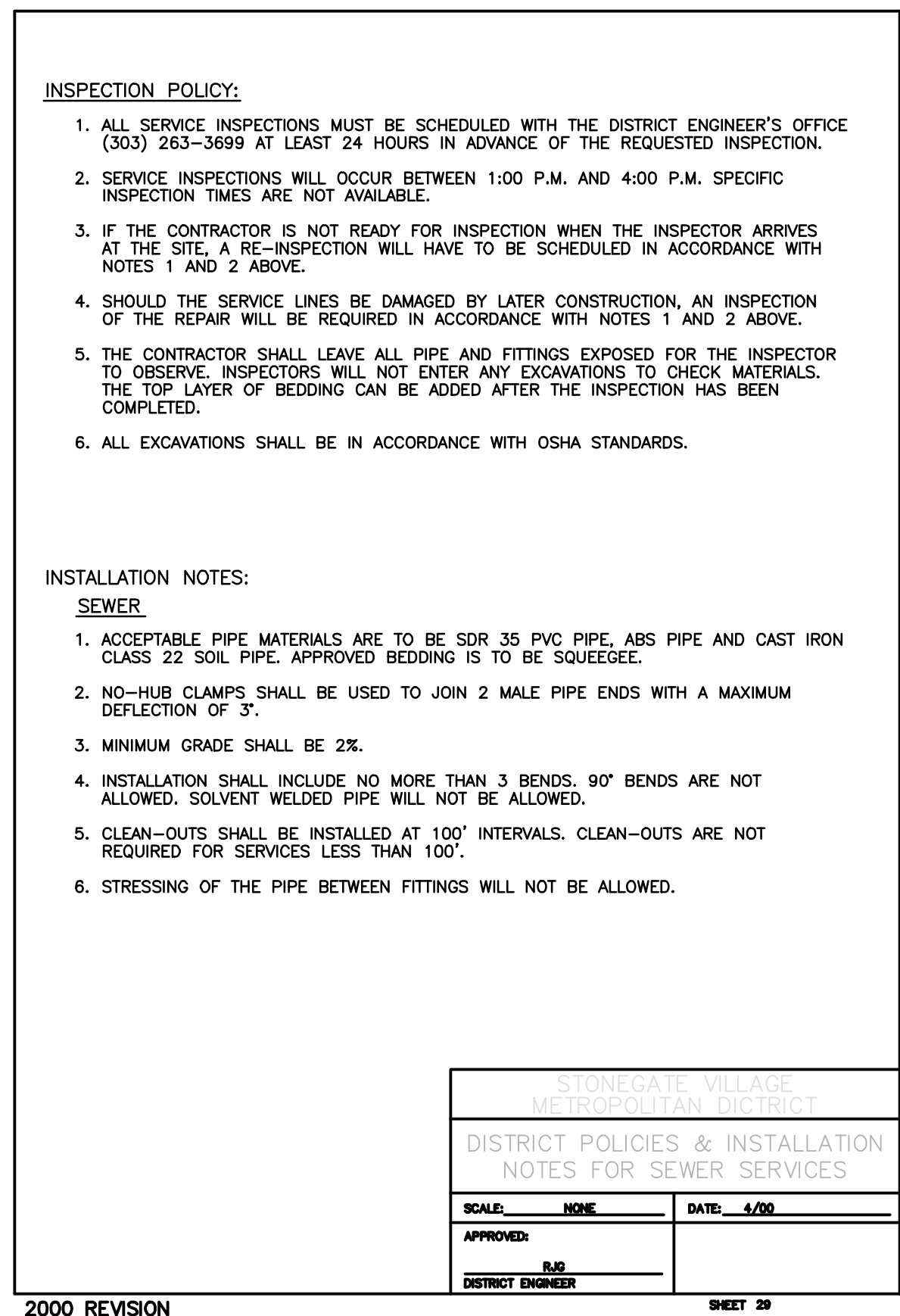
2000 REVISION

SHEET 2



2000 REVISION

SHEET 28



2000 REVISION

SHEET 20