

DISTRICT POLICIES & INSTALLATION NOTES FOR WATER SERVICES:

INSTALLATION NOTES: WATER

- ACCEPTABLE PIPE MATERIALS SHALL BE K-COPPER TUBING. (3/4" MIN)
- APPROVED BEDDING TO BE SQUEEGEE.
- ONLY ONE COUPLING WILL BE ALLOWED BETWEEN THE STUB-IN AND BUILDING. COMPRESSION COUPLINGS WILL NOT BE ALLOWED ON NEW CONSTRUCTION. SILVER SOLDERED JOINTS MUST BE USED ON SERVICES LARGER THAN 3/4". SILVER SOLDERED JOINTS MUST BE INSPECTED BY PWSM PRIOR TO BURIAL. FLARED COUPLINGS WILL BE ALLOWED ON ALL SERVICES 3/4" AND SMALLER.
- A WATER SERVICE WHICH CROSSES A SEWER SERVICE CAN DO SO ONLY AT A 45-90° ANGLE. WATER SERVICES SHALL BE LOCATED AT A MINIMUM OF 18" ABOVE SEWER SERVICE.
- WATER SERVICE FOUNDATION PENETRATIONS SHALL BE WATERPROOFED USING MASTIC OR OTHER APPROVED METHOD, CRAWLSPACE REQUIRES CONTINUOUS COPPER WITH A 1" BURY.
- CURB STOP MUST BE PLUMB AND CENTERED OVER THE NUT. IT SHOULD BE STRAPPED TO THE METER PIT (RESIDENTIAL INSTALLATIONS) OR CENTERED OVER THE EASEMENT LINE (COMMERCIAL INSTALLATIONS). THE ASSEMBLY MUST BE AT OR SLIGHTLY ABOVE FINISHED GRADE.
- MOVED CURB BOXES MUST BE INSPECTED BY PWSM PRIOR TO BURIAL.
- WATERLINE MUST BE ATTACHED TO A SUPPORT BOARD THAT IS MOUNTED TO THE WALL.
- NO VOIDS ALLOWED UNDER WATERLINES FROM STOP BOX TO FOUNDATION.
- CURBSTOP BOXES AND METER PITS CANNOT BE IN DRIVEWAYS.
- ONLY 3/4" (JUMPER) PIPES (RESIDENCES) ARE ALLOWED. (JUMPER) PIPES WILL BE REMOVED PRIOR TO METER SET DATE.
- ALL SERVICES WILL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS:
"X" FOR SANITARY SEWER SERVICE
"V" FOR WATER SERVICES
- NO SPLICES OR FLARED COUPLINGS ALLOWED ON SERVICES LARGER THAN 3/4". SILVER SOLDERED JOINTS MUST BE USED IN MOVING STOPBOXES ON SERVICES LARGER THAN 3/4". SILVER SOLDERED JOINTS MUST BE INSPECTED BY PWSM PRIOR TO BURIAL. FLARED COUPLINGS WILL BE ALLOWED ON ALL SERVICES 3/4" AND SMALLER.

INSPECTION POLICY:

- ALL SERVICE INSPECTIONS MUST BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE OF THE REQUESTED INSPECTION.
- SERVICE INSPECTIONS WILL OCCUR BETWEEN 1:00 PM AND 3:00 PM SPECIFIC INSPECTION TIMES ARE NOT AVAILABLE.
- IF THE CONTRACTOR IS NOT READY FOR INSPECTION WHEN THE INSPECTOR ARRIVES AT THE SITE OR THE SERVICE FAILS, A RE-INSPECTION WILL HAVE TO BE SCHEDULED IN ACCORDANCE WITH NOTES 1 AND 2 ABOVE AND A RE-INSPECTION FEE CHARGED.
- 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.
- THE CONTRACTOR SHALL LEAVE ALL PIPE AND FITTINGS EXPOSED FOR THE INSPECTOR TO OBSERVE. INSPECTORS WILL NOT ENTER ANY EXCAVATIONS TO CHECK MATERIALS. THE TOP LAYER OF BEDDING CAN BE ADDED AFTER THE INSPECTION HAS BEEN COMPLETED.
- ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH OSHA STANDARDS.
- LOTS WITHOUT BUILDING ADDRESSES BEFORE DISTRICT INSPECTION OR METER SET WILL FAIL AUTOMATICALLY.
- CONTRACTOR MUST BE PRESENT AT TIME OF INSPECTION, UNLESS COORDINATED WITH DISTRICT INSPECTOR.

NOTES

- THE PROPOSED UTILITY CONNECTION WILL REQUIRE A TOWN RIGHT-OF-WAY PERMIT PRIOR TO COMMENCING WORK. THE TOWN PREFERS CONNECTIONS TO BE BORED TO THE EXTENT POSSIBLE, AND ANY STREET CUT ALLOWED BY THE TOWN WILL BE REQUIRED TO BE PATCHED ACCORDING TO THE TOWN'S CONSTRUCTION STANDARDS AND DETAILS. THE LIMITS OF PATCHING WILL BE DETERMINED BY THE TOWN AT THE TIME OF CONSTRUCTION. THE TOWN OF PARKER DOES NOT ALLOW ROADWAY CLOSURES FOR UTILITY WORK.

WATER & SEWER IMPROVEMENT PLANS FOR
DOUGLAS 234
FILING NO. 6
 DOUGLAS COUNTY, COLORADO

RICK
 ENGINEERING COMPANY
 9801 EAST EASTER AVE
 CENTENNIAL, CO 80112
 303.537.8020
 Tucson - San Diego - Riverside - Orange
 Sacramento - San Luis Obispo - Phoenix
 rickengineering.com



REVISIONS:

NO.	DESCRIPTION	DATE:
1		

SCALE: 1" = 50'
 DATE: 10/7/2020
 DRAWN BY: WD
 CHECKED BY: JS
 JOB NO: D01173-A

WATER PLAN

PROJECT NO.
D01173-A
 DRAWING NO.
4
 SHEET NO. 4 OF 12 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

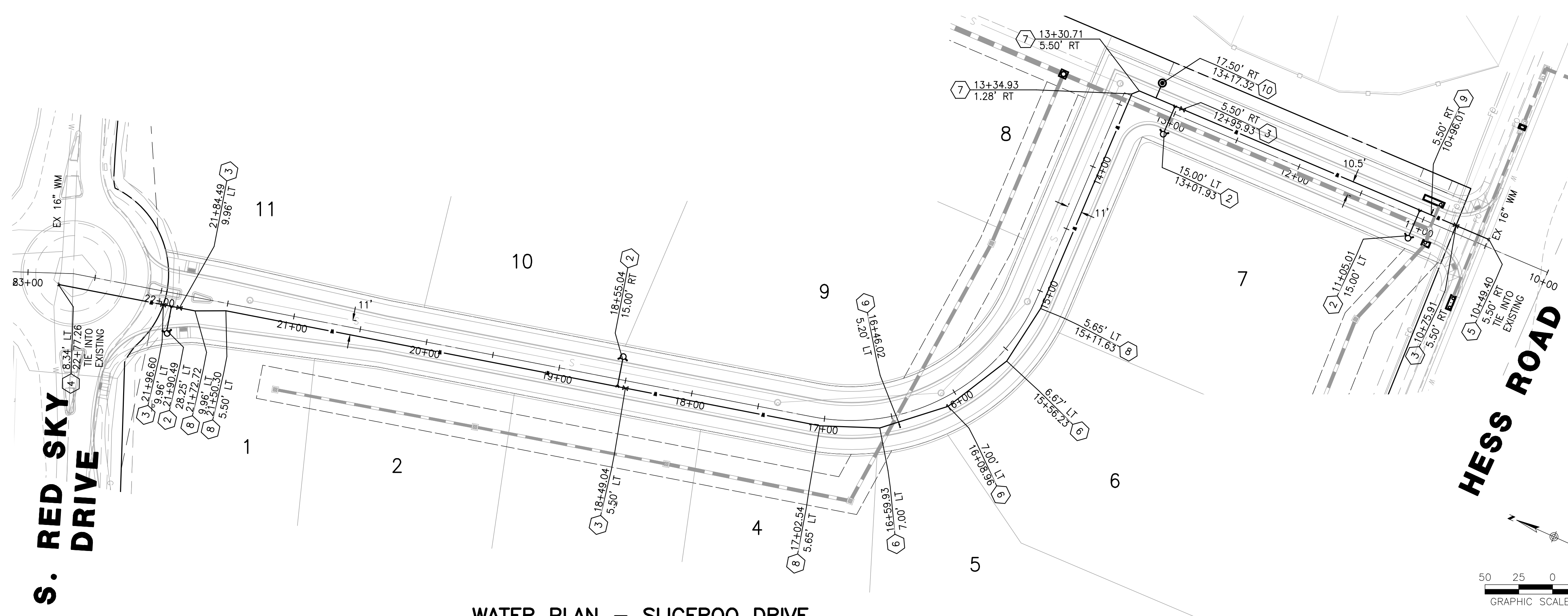
2020-10-07 2:53PM WATER PLAN.dwg RICK ENGINEERING COMPANY

CONSTRUCTION NOTES

- ① WATER SERVICE CONNECTION PER PWSD STD DTL W1.2
- ② FIRE HYDRANT ASSEMBLY PER PWSD STD DTL W2.5
- ③ 8" GATE GALVE
- ④ 16"x8" TEE
- ⑤ 24"x8" TEE
- ⑥ 22.5' BEND AND THRUST BLOCK
- ⑦ 45' BEND AND THRUST BLOCK
- ⑧ 11.25' BEND AND THRUST BLOCK
- ⑨ LOW POINT BLOW OFF PER PWSD STD DTL W3.8
- ⑩ 1" IRRIGATION METER PWSD STD DTL W5.10

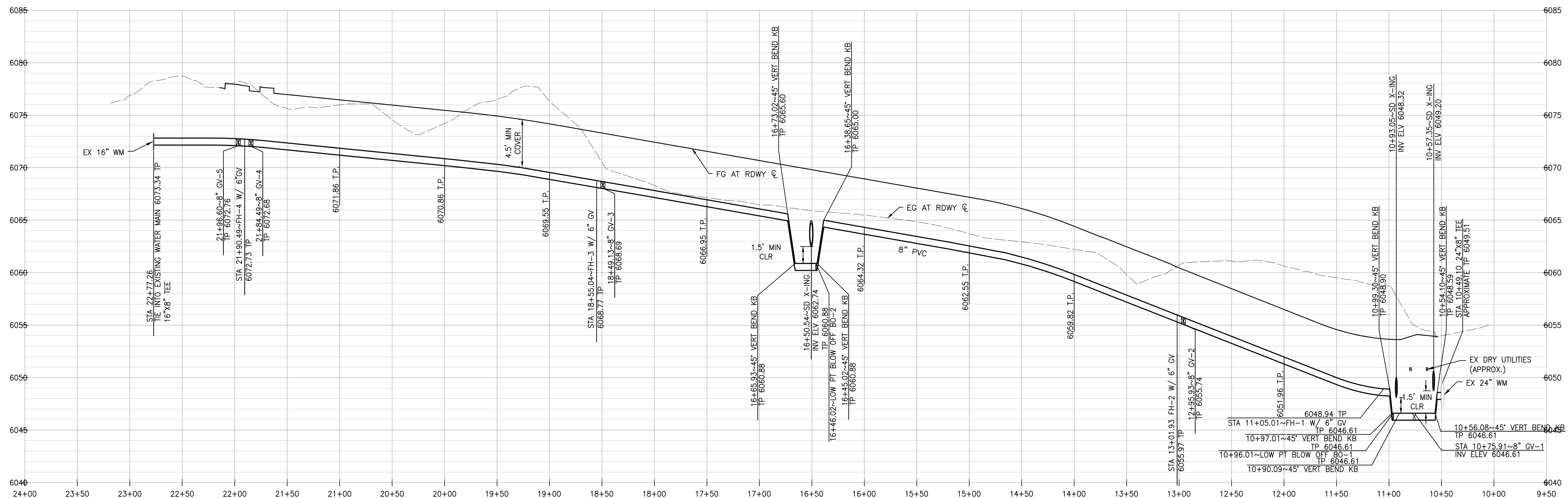
GENERAL NOTES

- EXISTING WATER MAIN DEPTH UNKNOWN. EXISTING ELEVATIONS ARE APPROXIMATE. CONTRACTOR SHALL CONFIRM THE EXISTING WATER MAIN DEPTH BENEATH ALL PROPOSED STREET IMPROVEMENTS PRIOR TO CONSTRUCTION. ANY AREAS WHERE THE EXISTING WATER MAIN DEPTH WILL BE LESS THAN 4.5' AS A RESULT OF THE PROPOSED IMPROVEMENTS WILL REQUIRE A WATER MAIN LOWERING. THE CONTRACTOR SHALL HAVE A PARKER WATER & SANITATION DISTRICT INSPECTOR ON SITE FOR ANY POTHOLES FOR THE EXISTING WATER MAIN DEPTH.



WATER PLAN – SLICEROO DRIVE

SCALE: HORIZ. 1" = 50'



WATER PROFILE – SLICEROO DRIVE

SCALE: HORIZ. 1"=50', VERT. 1"=5'

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**WATER
PLAN &
PROFILE**

PROJECT NO.
D01173-A
DRAWING NO.
5
SHEET NO. 5 OF 12 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

DISTRICT POLICIES & INSTALLATION NOTES FOR SEWER SERVICES:

INSTALLATION NOTES:

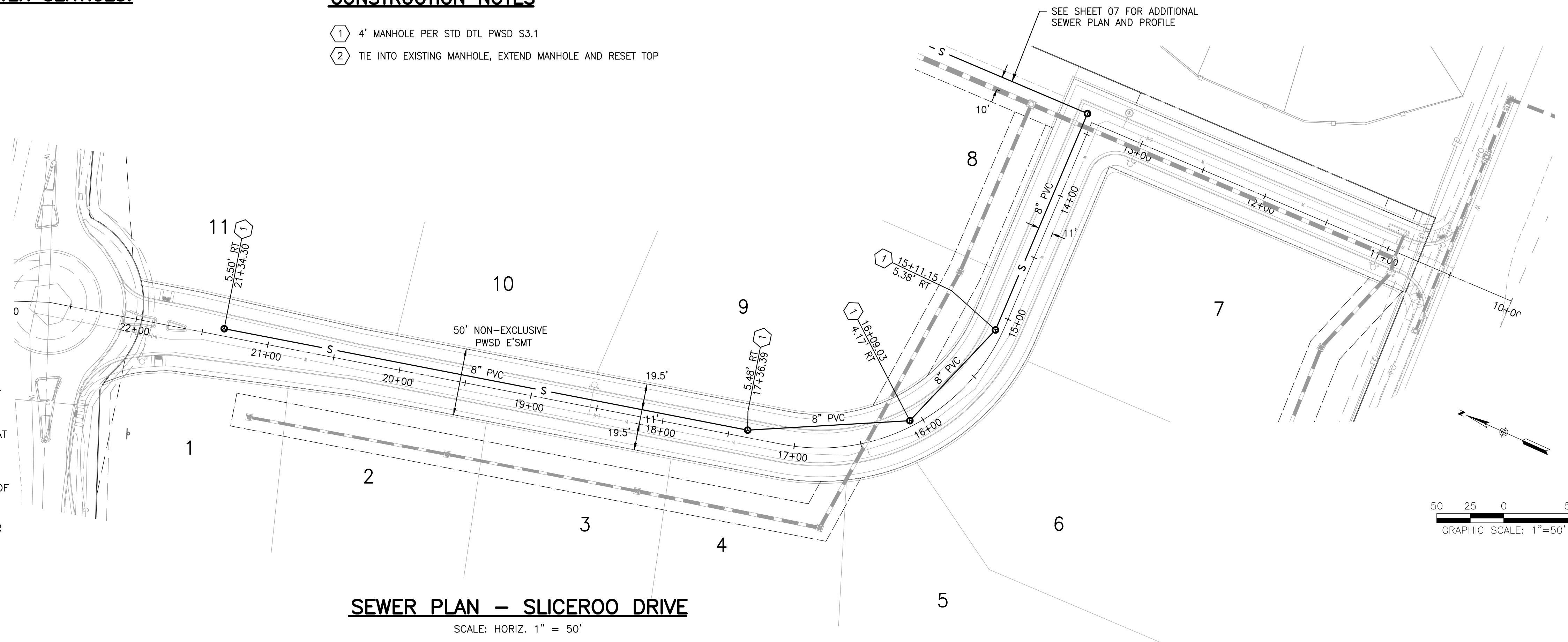
1. ACCEPTABLE PIPE MATERIALS ARE TO BE SDR 35 PVC PIPE, ABS PIPE AND PVC SCHEDULE 40 PIPE. APPROVED BEDDING IS TO BE SQUEEGEE.
2. NO-HUB CLAMPS SHALL BE USED TO JOIN 2 MALE PIPE ENDS WITH A MAXIMUM DEFLECTION OF 3'.
3. MINIMUM GRADE SHALL BE 2%.
4. INSTALLATION SHALL NOT INCLUDE MORE THAN 3 BENDS. 90° BENDS ARE NOT ALLOWED. SOLVENT WELDED PIPE WILL NOT BE ALLOWED.
5. CLEAN-OUTS SHALL BE INSTALLED AT 100' INTERVALS AND EVERY CHANGE IN DIRECTION. CLEAN-OUTS ARE NOT REQUIRED FOR SERVICES LESS THAN 100' UNLESS THERE ARE CHANGES IN DIRECTION. PROVIDE DUAL CLEAN-OUT WITHIN 5 FEET OF FOUNDATION.
6. STRESSING THE PIPE BETWEEN FITTINGS WILL NOT BE ALLOWED.
7. SEWER SERVICE LINE SHALL NOT BE LOCATED UNDER CONCRETE SURFACE.
8. ALL SERVICES SHALL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS:
"X" FOR SANITARY SEWER SERVICE
"Y" FOR WATER SERVICES

INSPECTION POLICY:

1. ALL SERVICE INSPECTIONS MUST BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE OF THE REQUESTED INSPECTION.
2. 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 NOTE 1 ABOVE AND A RE-INSPECTION FEE CHARGED.
3. 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.
4. THE CONTRACTOR SHALL LEAVE ALL PIPE AND FITTINGS EXPOSED FOR THE INSPECTOR TO OBSERVE. INSPECTORS WILL NOT ENTER ANY EXCAVATIONS TO CHECK MATERIALS. THE TOP LAYER OF BEDDING CAN BE ADDED AFTER THE INSPECTION HAS BEEN COMPLETED.
5. ALL EXCAVATIONS SHALL BE IN ACCORDANCE WITH OSHA STANDARDS.
6. LOTS WITHOUT BUILDING ADDRESSES OR LOT AND BLOCK NUMBERS BEFORE DISTRICT INSPECTION OR METER SET WILL FAIL AUTOMATICALLY.
7. CONTRACTOR MUST BE PRESENT AT TIME OF INSPECTION, UNLESS COORDINATED WITH DISTRICT INSPECTOR.

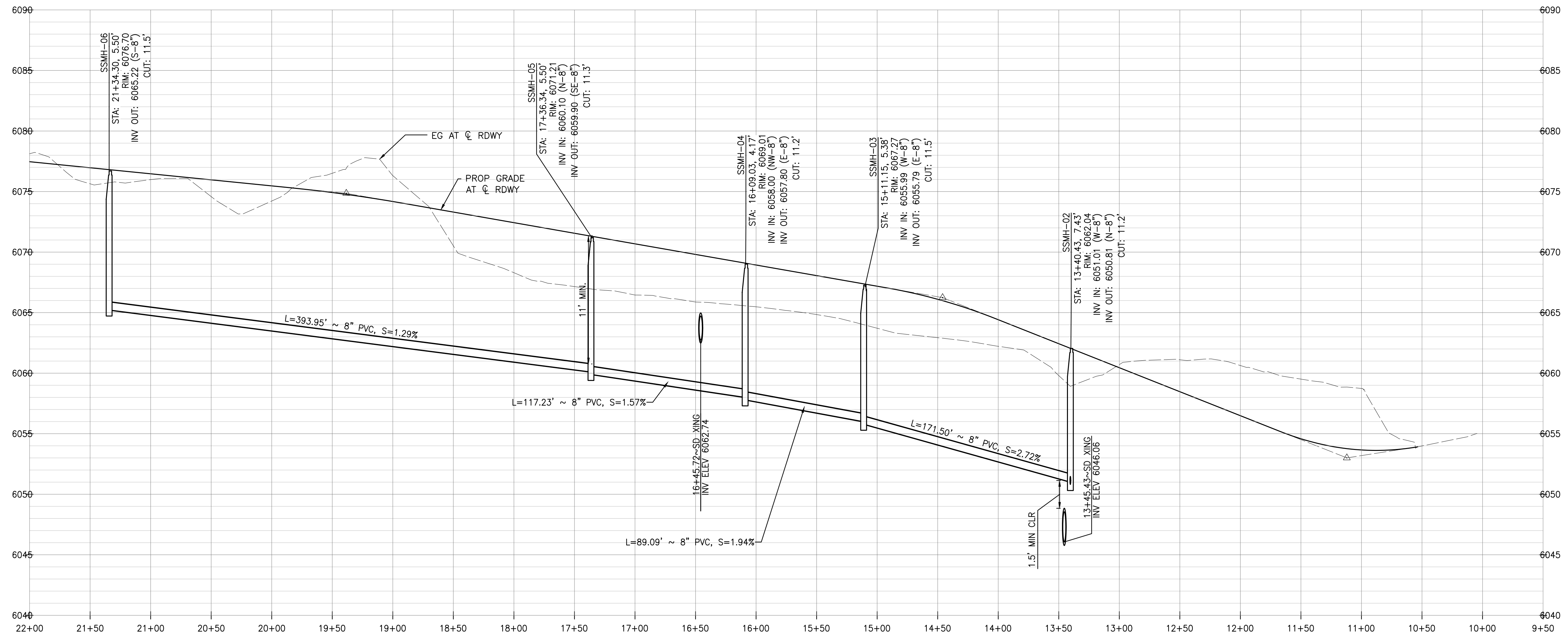
CONSTRUCTION NOTES

- 1 4' MANHOLE PER STD DTL PWS S3.1
- 2 TIE INTO EXISTING MANHOLE, EXTEND MANHOLE AND RESET TOP



SEWER PLAN - SLICEROO DRIVE

SCALE: HORIZ. 1" = 50'



SEWER PROFILE - SLICEROO DRIVE

SCALE: HORIZ. 1"=50', VERT. 1"=5'

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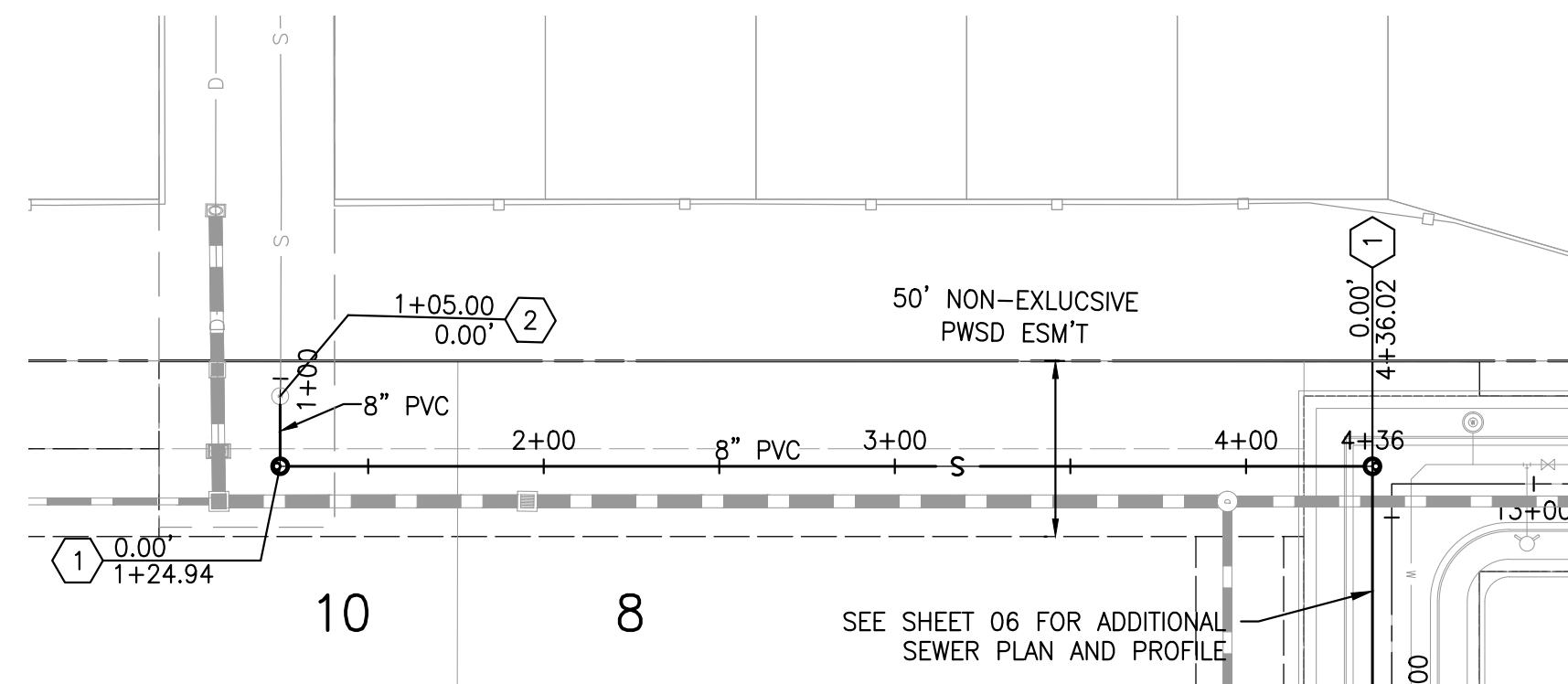
SLICEROO DR SEWER PLAN & PROFILE

PROJECT NO. D01173-A

DRAWING NO. 6

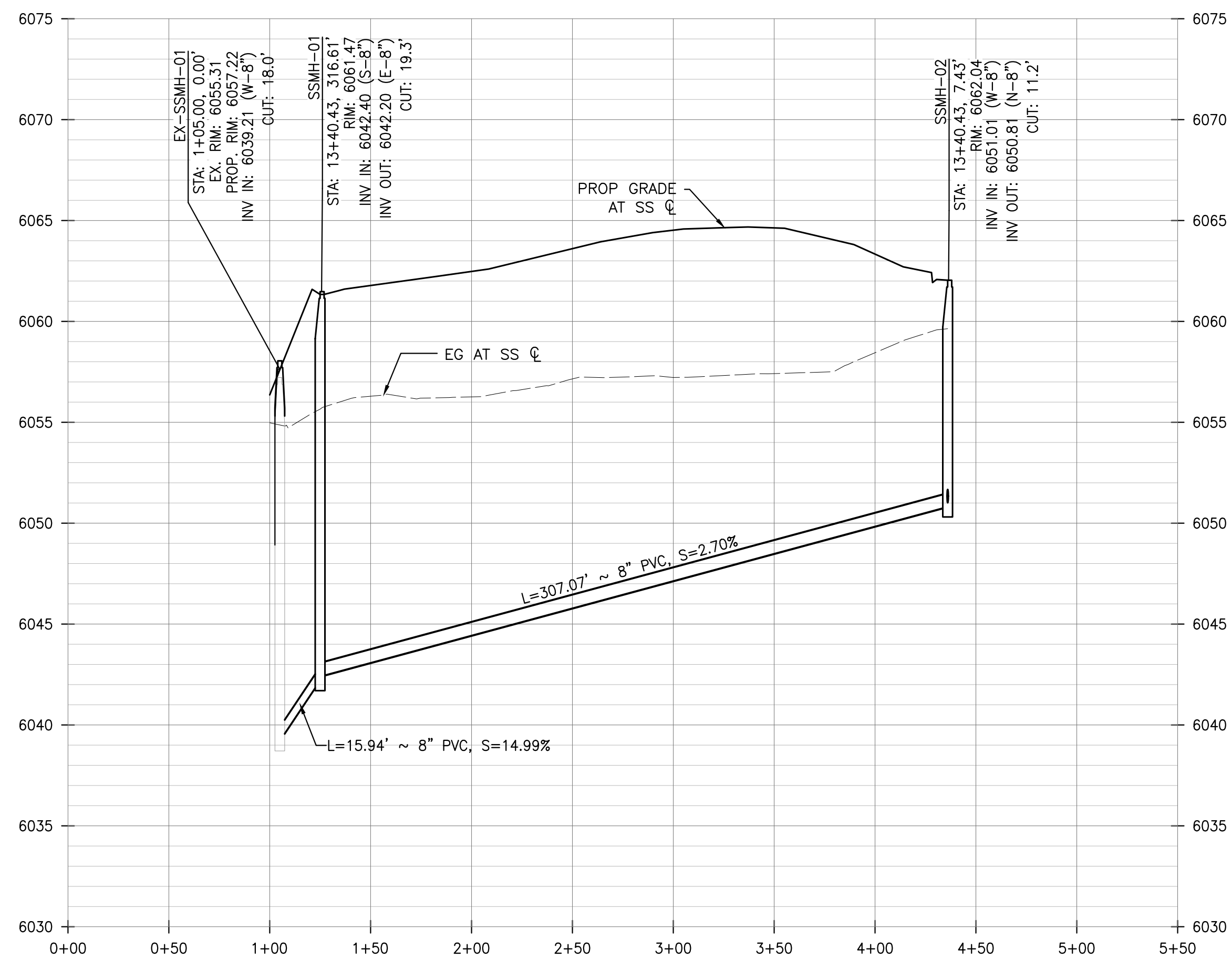
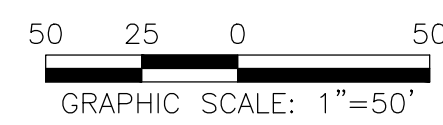
SHEET NO. 6 OF 12 SHEETS

PRELIMINARY NOT FOR CONSTRUCTION



SEWER PLAN

SCALE: HORIZ. 1" = 50'



SEWER PROFILE

SCALE: HORIZ. 1"=50', VERT. 1"=5'

DISTRICT POLICIES & INSTALLATION NOTES FOR SEWER SERVICES:

INSTALLATION NOTES:

1. ACCEPTABLE PIPE MATERIALS ARE TO BE SDR 35 PVC PIPE, ABS PIPE AND PVC SCHEDULE 40 PIPE. APPROVED BEDDING IS TO BE SQUEEGEE.
2. NO-HUB CLAMPS SHALL BE USED TO JOIN 2 MALE PIPE ENDS WITH A MAXIMUM DEFLECTION OF 3".
3. MINIMUM GRADE SHALL BE 2%.
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5. CLEAN-OUTS SHALL BE INSTALLED AT 100' INTERVALS AND EVERY CHANGE IN DIRECTION. CLEAN-OUTS ARE NOT REQUIRED FOR SERVICES LESS THAN 100' UNLESS THERE ARE CHANGES IN DIRECTION. PROVIDE DUAL CLEAN-OUT WITHIN 5 FEET OF FOUNDATION.
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7. SEWER SERVICE LINE SHALL NOT BE LOCATED UNDER CONCRETE SURFACE.
8. ALL SERVICES SHALL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS:
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CONSTRUCTION NOTES

- ① 4' MANHOLE PER STD DTL PWS D S3.1
- ② TIE INTO EXISTING MANHOLE, EXTEND MANHOLE & RESET MANHOLE TOP

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SEWER PLAN & PROFILE

PROJECT NO.
D01173-A
 DRAWING NO.
7
 SHEET NO. 7 OF 12 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION

INSPECTION POLICY:

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INSTALLATION NOTES:

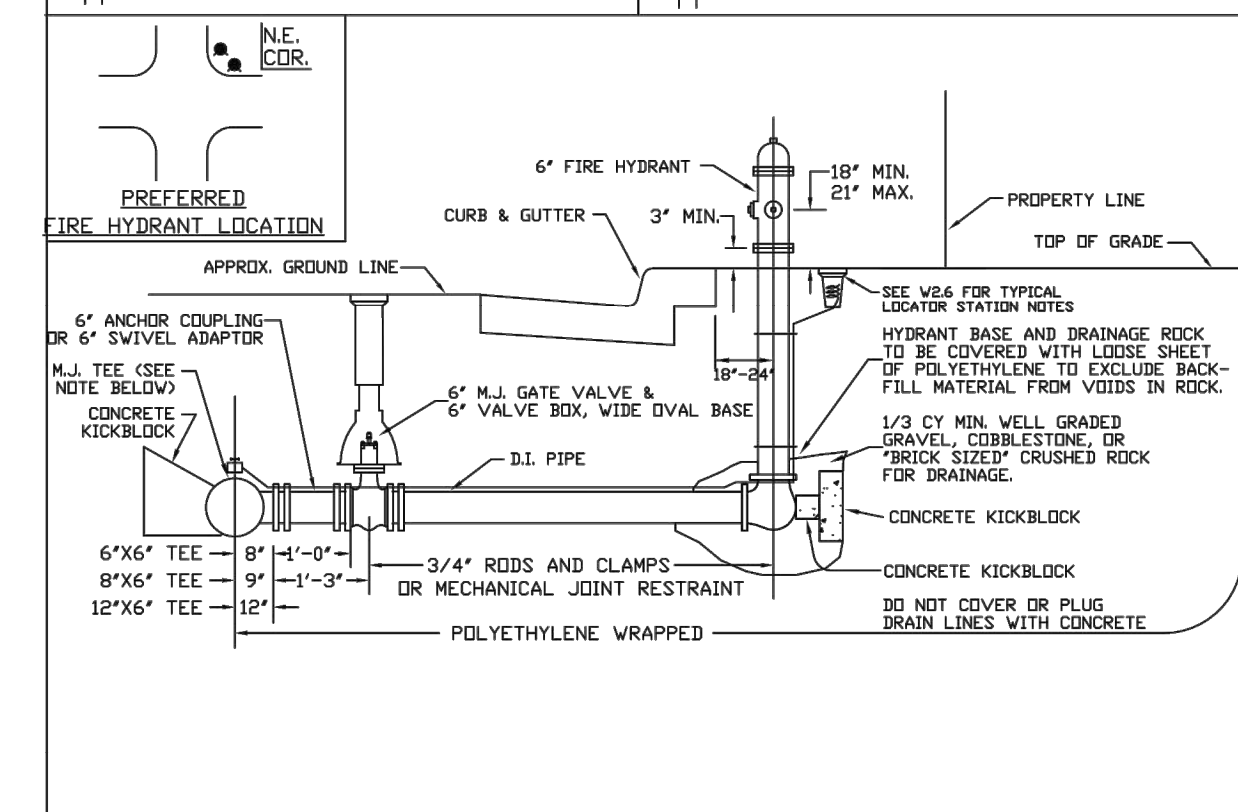
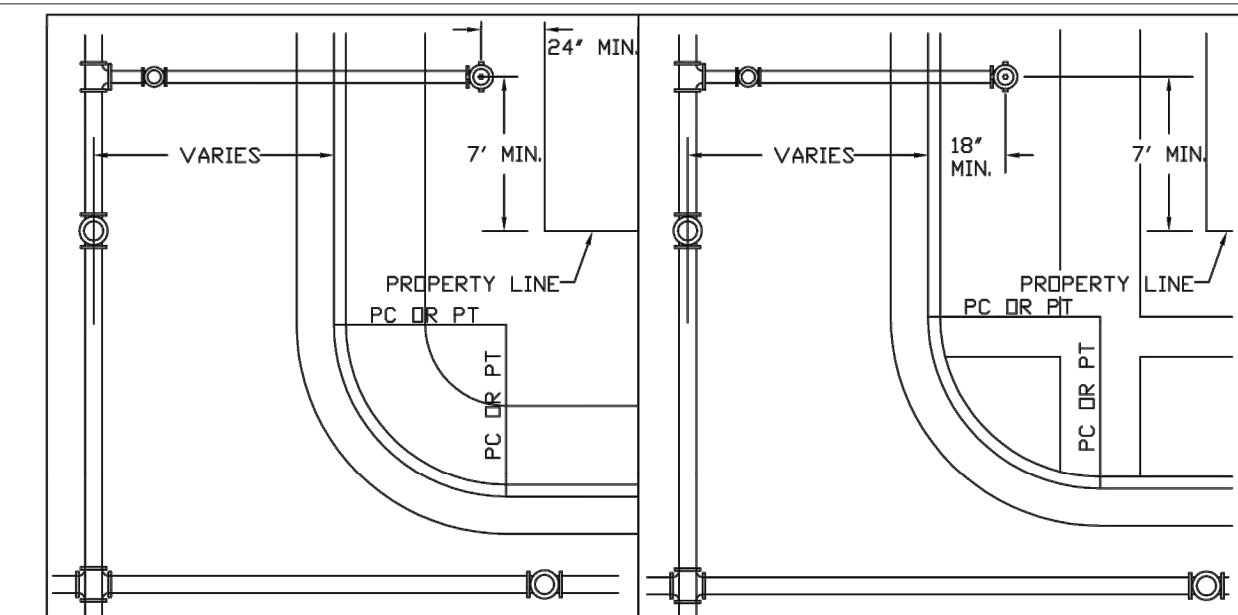
- WATER**
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 5. WATER SERVICE FOUNDATION PENETRATIONS SHALL BE WATERPROOFED USING MASTIC OR OTHER APPROVED METHOD, CRAWL SPACE REQUIRES CONTINUOUS COPPER WITH A 1" BURY.
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 7. MOVED CURB BOXES MUST BE INSPECTED BY PWSD PRIOR TO BURIAL.
 8. WATERLINE MUST BE ATTACHED TO A SUPPORT BOARD THAT IS MOUNTED TO THE WALL.
 9. NO VOIDS ALLOWED UNDER WATERLINES FROM STOP BOX TO FOUNDATION.
 10. CURBSTOP BOXES AND METER PITS CANNOT BE IN DRIVEWAYS.
 11. ONLY 3/4" (JUMPER) PIPES (RESIDENCES) ARE ALLOWED. (JUMPER) PIPES WILL BE REMOVED PRIOR TO METER SET DATE.
 12. ALL SERVICES WILL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS:
 * FOR SANITARY SEWER SERVICE
 * FOR WATER SERVICES
 13. NO SPLICES OR FLARED COUPLINGS ALLOWED ON SERVICES LARGER THAN 3/4". SILVER SOLDERED JOINTS MUST BE USED IN MOVING STOPBOXES ON SERVICES LARGER THAN 3/4". SILVER SOLDERED JOINTS MUST BE INSPECTED BY PWSD PRIOR TO BURIAL. FLARED COUPLINGS WILL BE ALLOWED ON ALL SERVICES 3/4" AND SMALLER.

PARKER WATER & SANITATION DISTRICT
DISTRICT POLICIES & INSTALLATION NOTES FOR WATER SERVICES

SCALE: NONE	DATE: 2/96
APPROVED: 1/04 PVR DIRECTOR OF ENGINEERING	1/16 10/16

2016 REVISION

SHEET W1.1

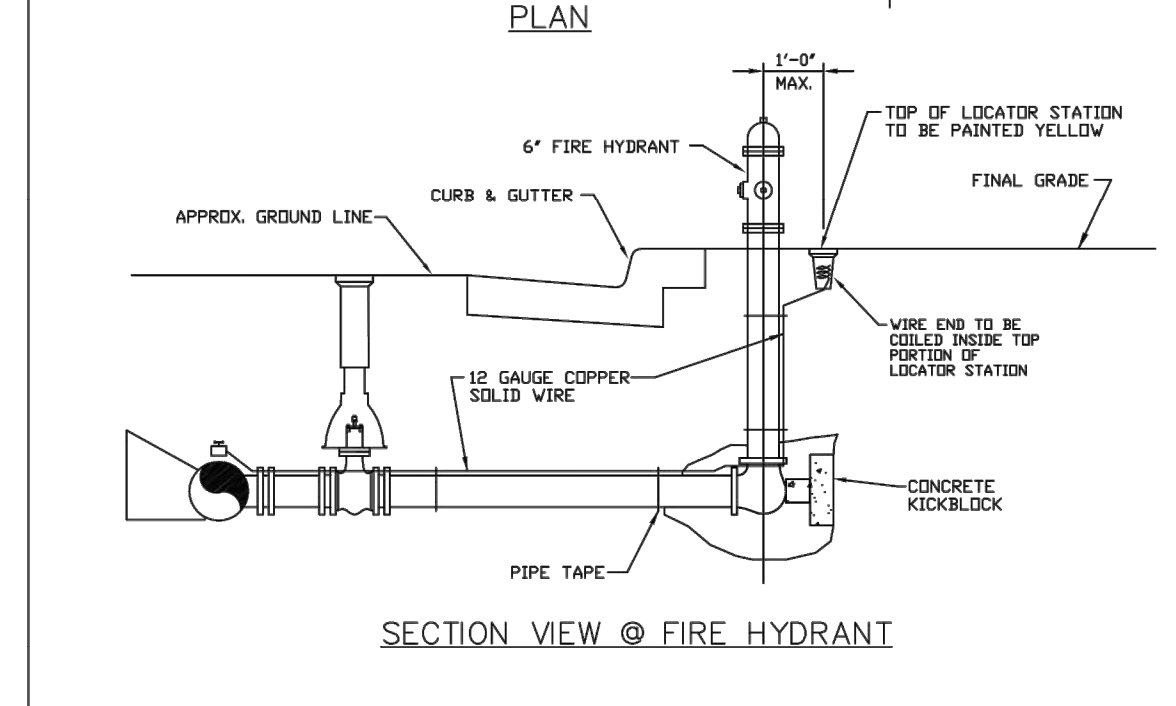
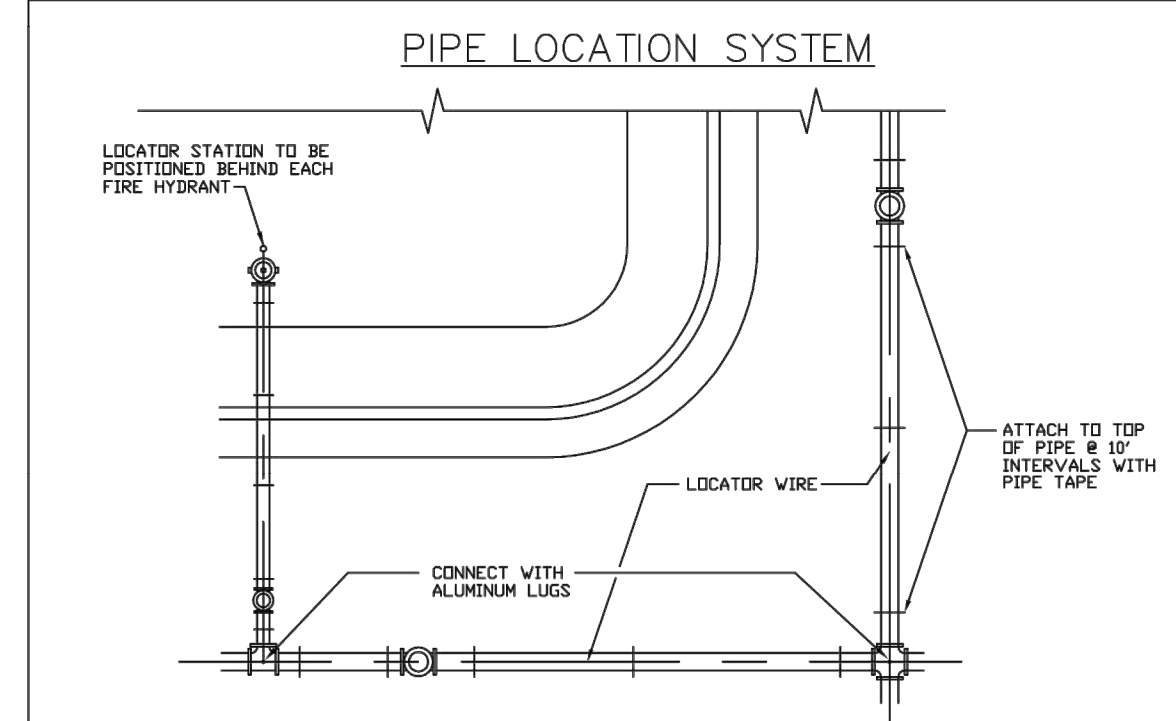


PARKER WATER & SANITATION DISTRICT
FIRE HYDRANTS LOCATION & INSTALLATION

SCALE: NONE	DATE: 2/96
APPROVED: 4/01 PVR DIRECTOR OF ENGINEERING	10/16 12/07 1/16

2016 REVISION

SHEET W2.5

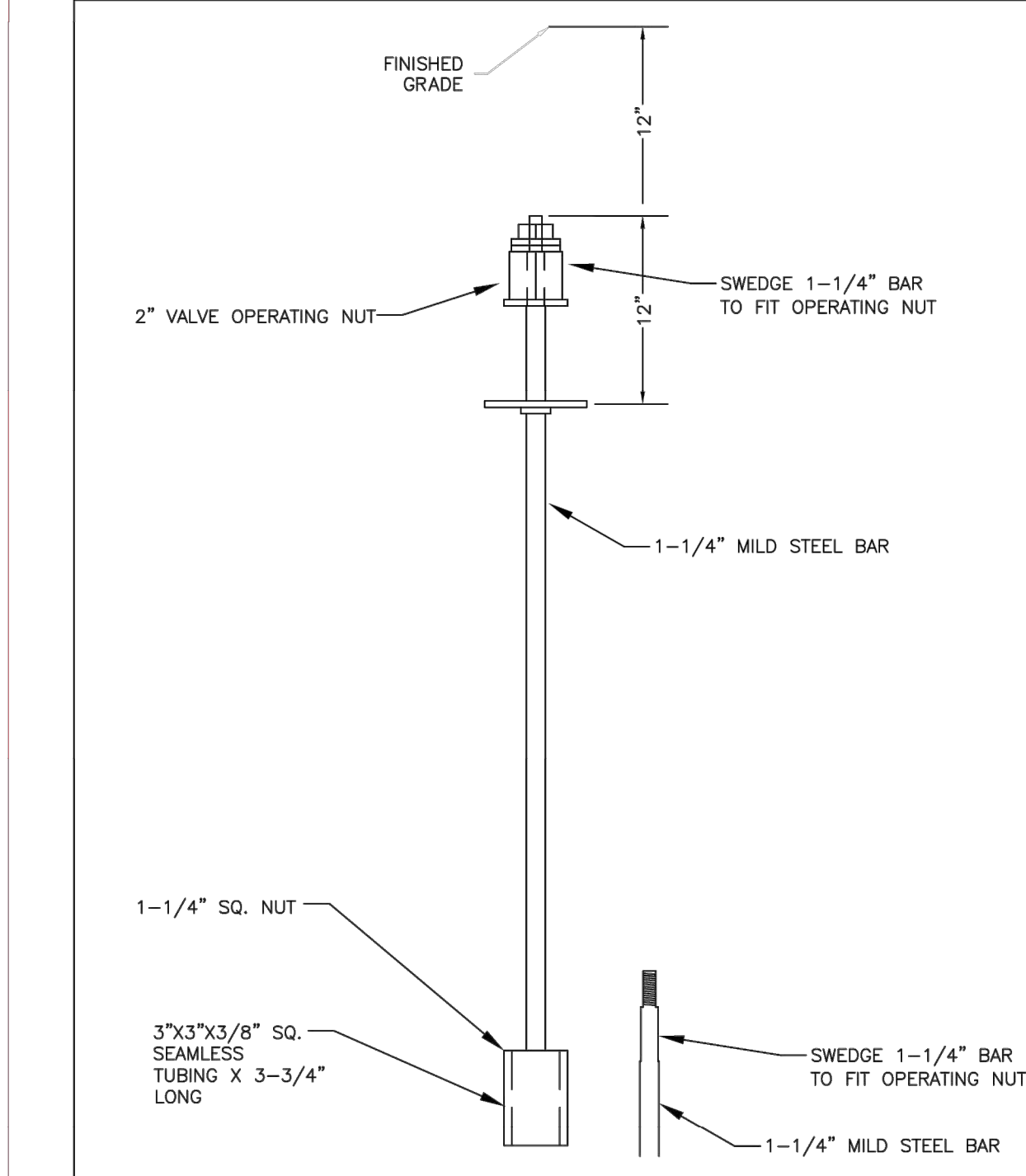


PARKER WATER & SANITATION DISTRICT
LOCATOR WIRE DETAILS

SCALE: NONE	DATE: 2/96
APPROVED: 4/01 PVR DIRECTOR OF ENGINEERING	10/16 01/02 01/16 10/16

2016 REVISION

SHEET W2.6

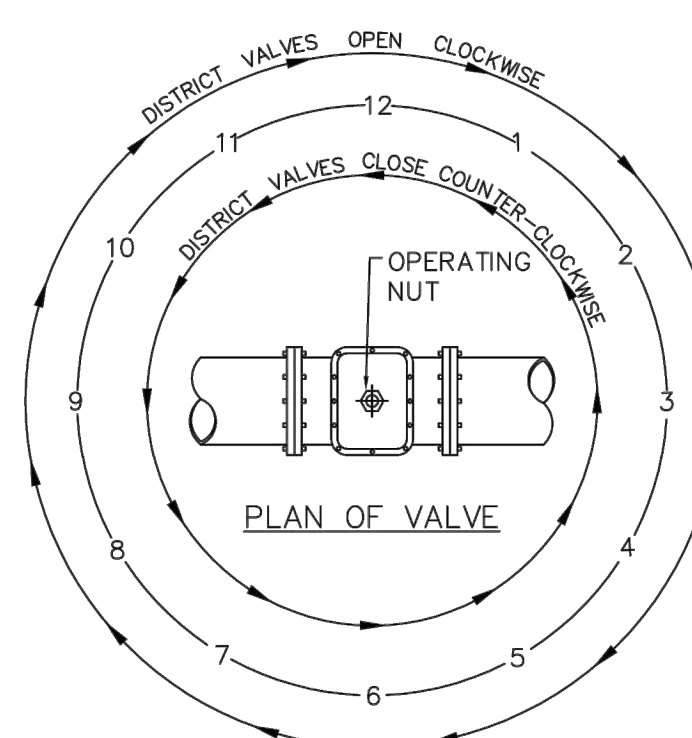


PARKER WATER & SANITATION DISTRICT
VALVE OPERATOR EXTENSION

SCALE: NONE	DATE: 5/98
APPROVED: 2/00 PVR DIRECTOR OF ENGINEERING	12/07 1/16 10/16

2016 REVISION

SHEET W3.3



NOTE:
ONLY RIGHT HAND OPENING VALVES ALLOWED.

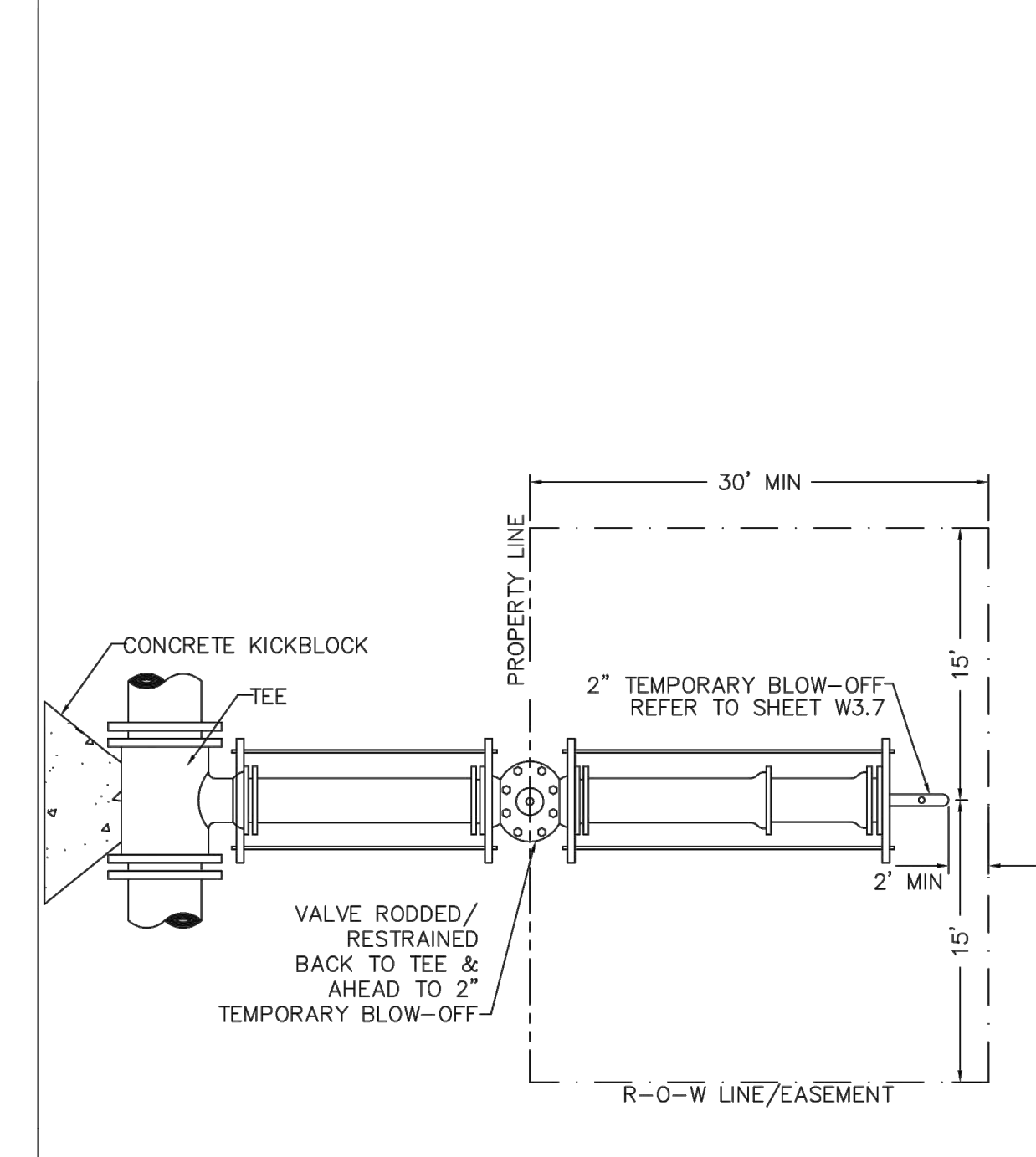
VALVE OPENING & CLOSING PROCEDURE

PARKER WATER & SANITATION DISTRICT
VALVE OPERATION

SCALE: NONE	DATE: 2/96
APPROVED: 1/16 PVR DIRECTOR OF ENGINEERING	10/16

2016 REVISION

SHEET W3.4

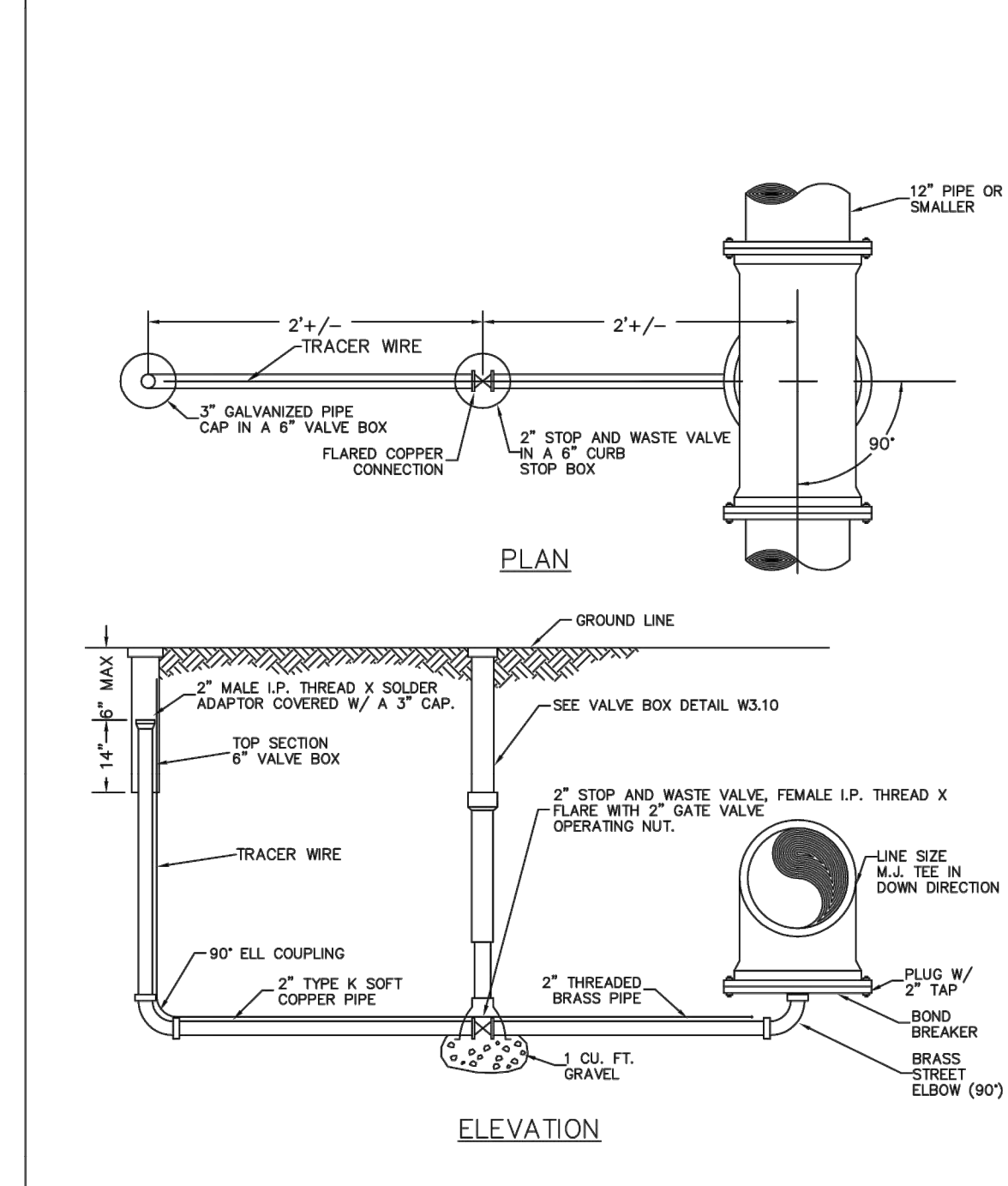


PARKER WATER & SANITATION DISTRICT
STUB-OUT CONFIGURATIONS

SCALE: NONE	DATE: 2/96
APPROVED: 1/16 PVR DIRECTOR OF ENGINEERING	10/16

2016 REVISION

SHEET W3.5

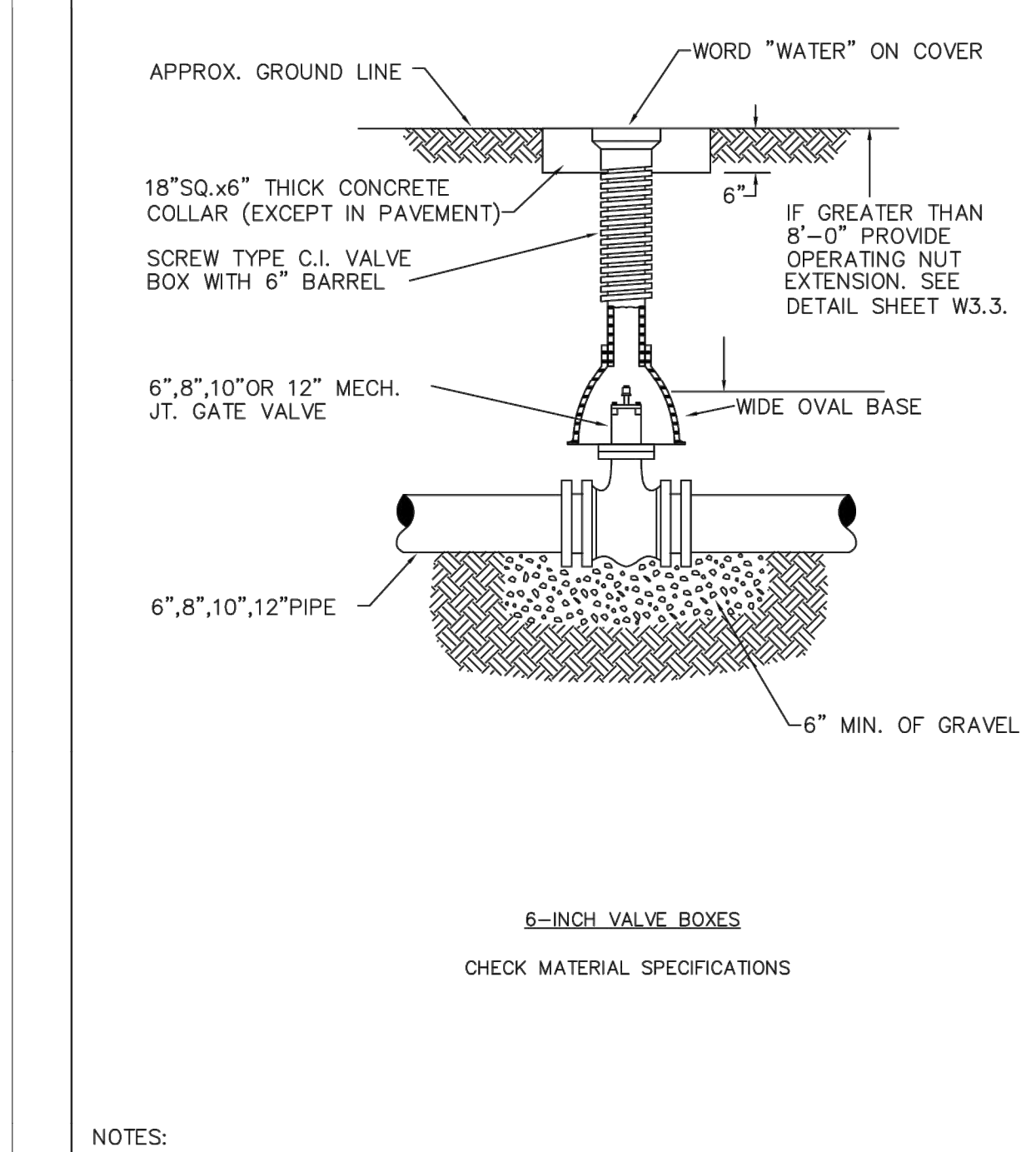


PARKER WATER & SANITATION DISTRICT
LOW POINT BLOW-OFF WITH SAND TRAP

SCALE: NONE	DATE: 2/96
APPROVED: 4/01 PVR DIRECTOR OF ENGINEERING	10/16 10/16 1/16

2016 REVISION

SHEET W3.6



PARKER WATER & SANITATION DISTRICT
VALVE BOX DETAIL

SCALE: NONE	DATE: 2/96
APPROVED: 5/98 PVR DIRECTOR OF ENGINEERING	10/16 6/99 12/07 1/16

2016 REVISION

SHEET W3.10

WATER & SEWER IMPROVEMENT PLANS FOR DOUGLAS 234 FILING NO. 6
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811
Know what's below.
Call before you dig.

REVISIONS:

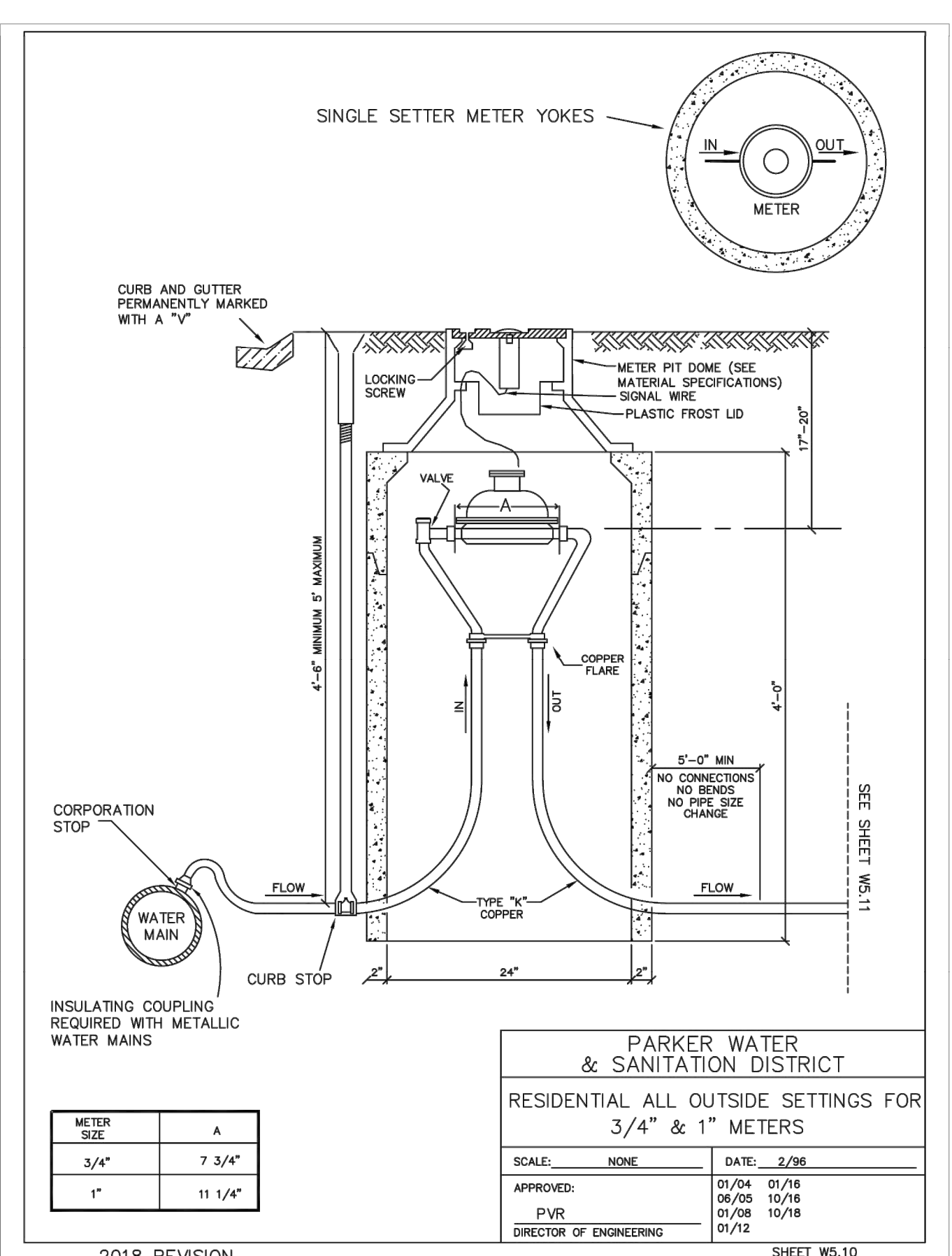
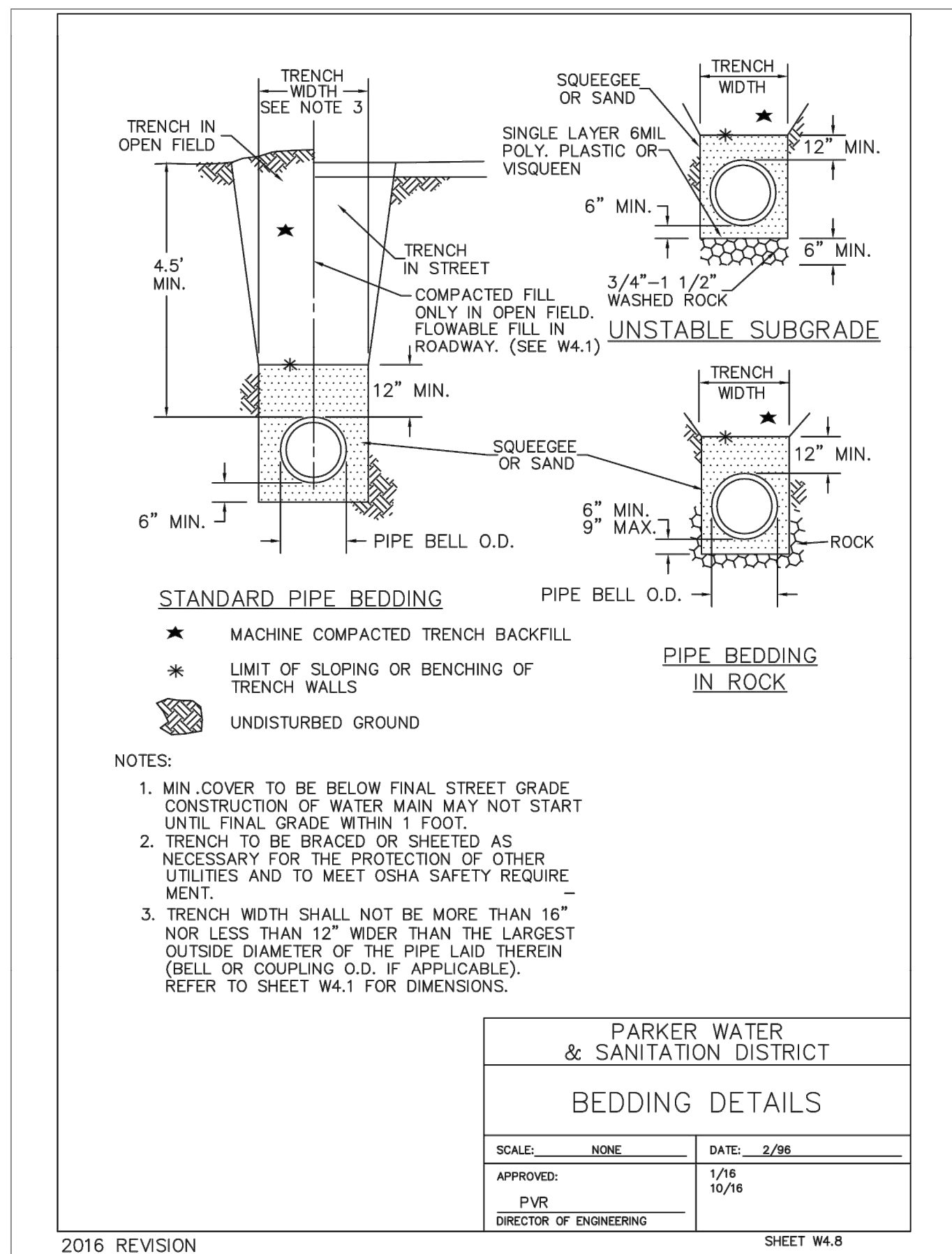
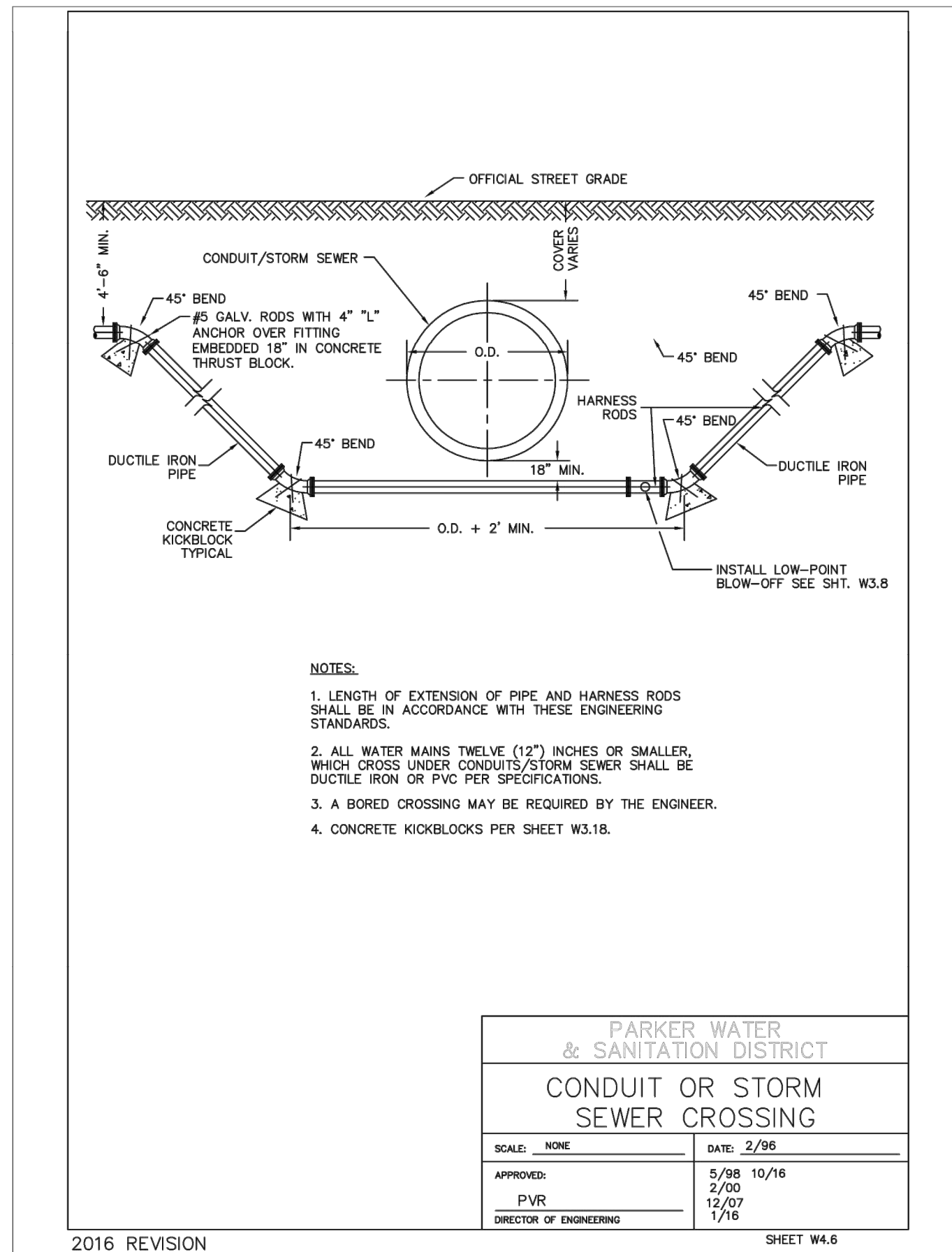
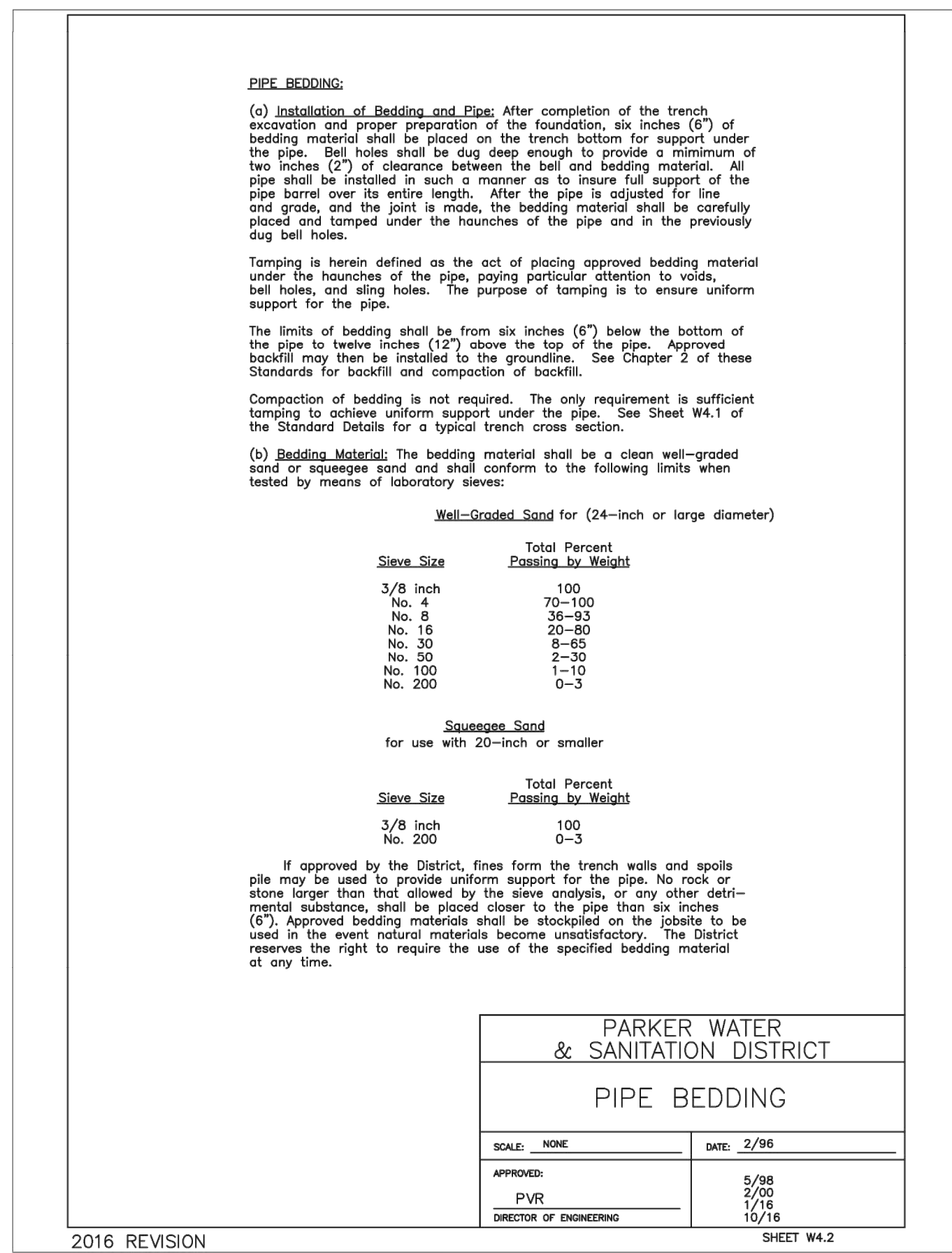
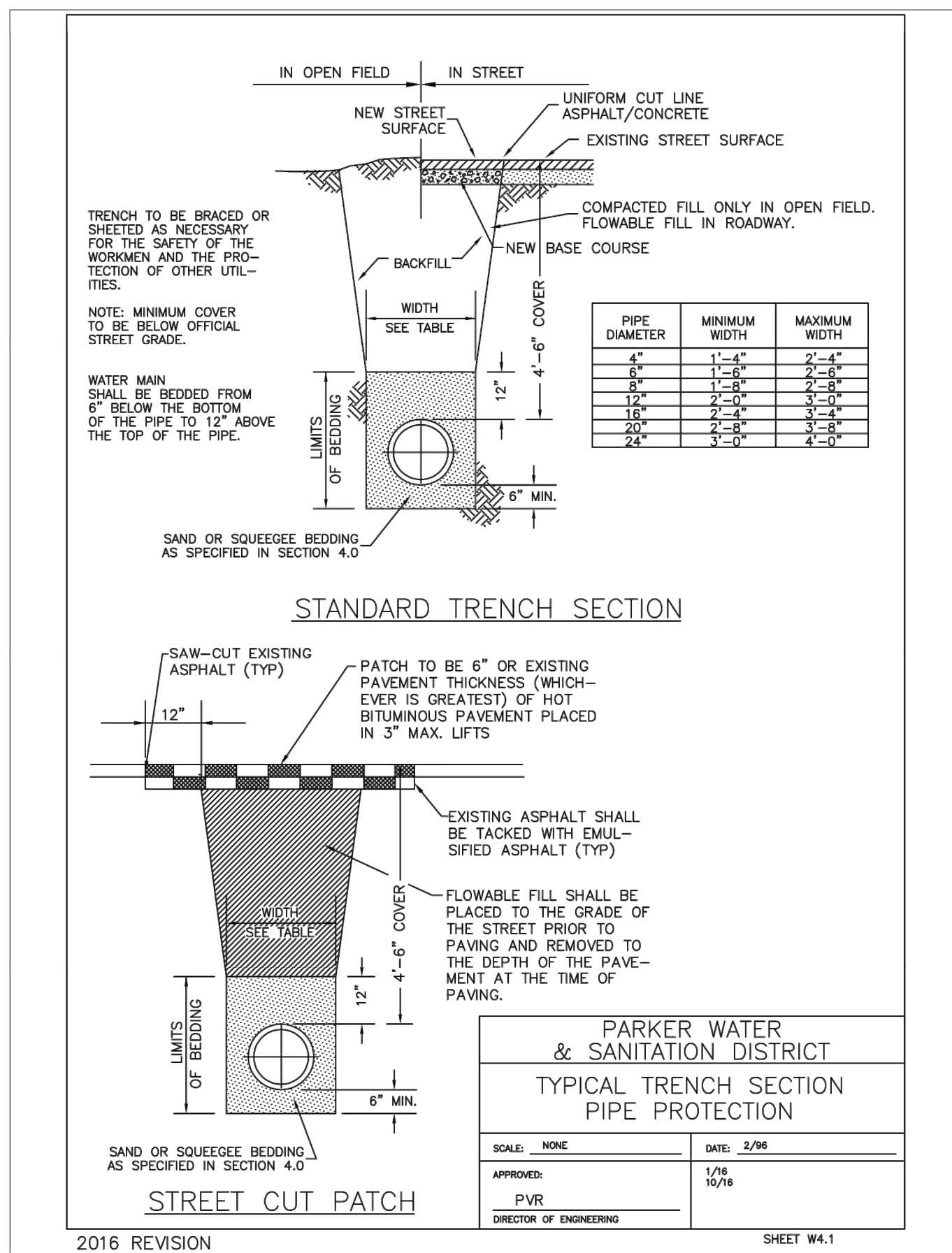
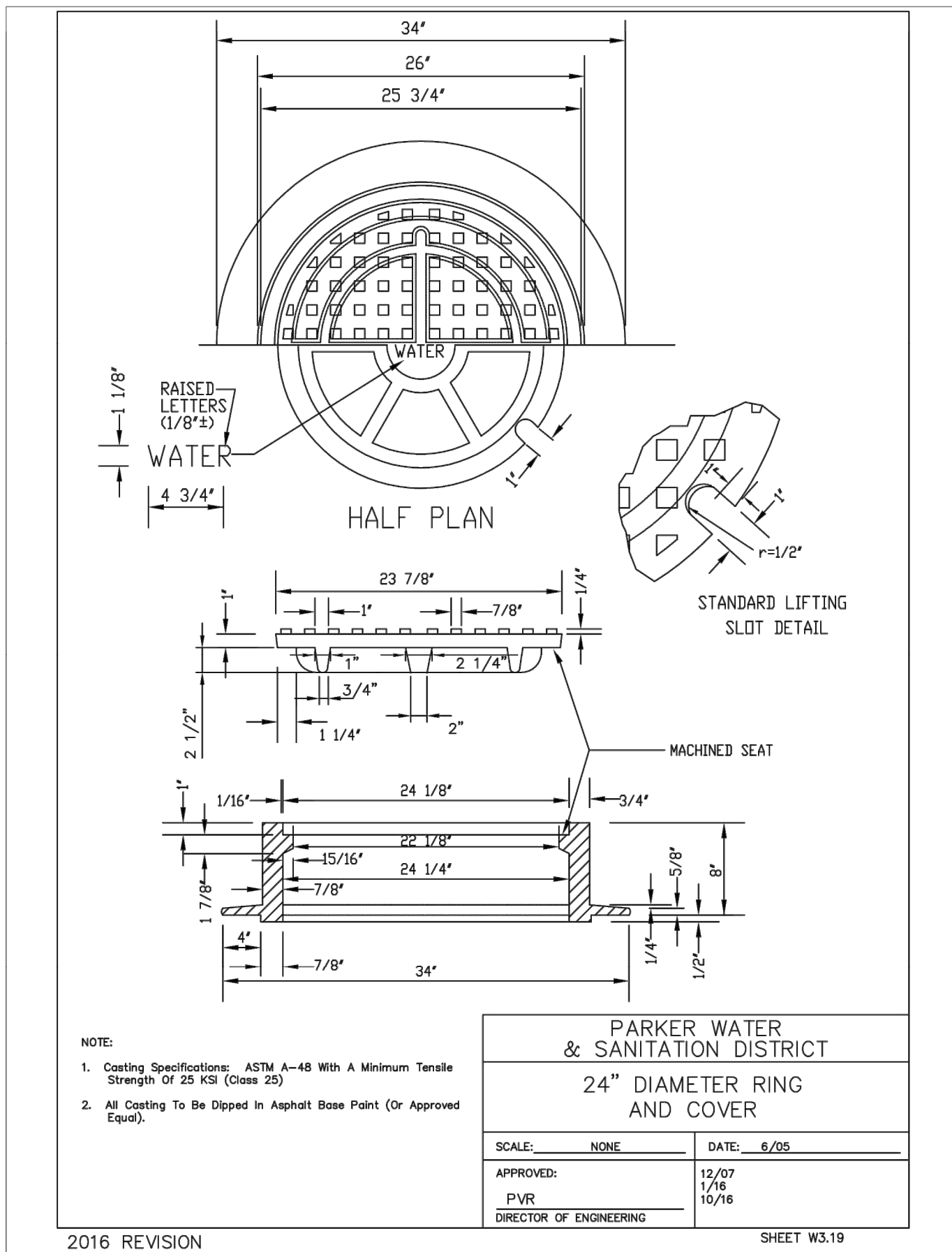
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WATER DETAILS

PROJECT NO. D01173-A
DRAWING NO. 8
SHEET NO. 8 OF 12 SHEETS

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REVISIONS:

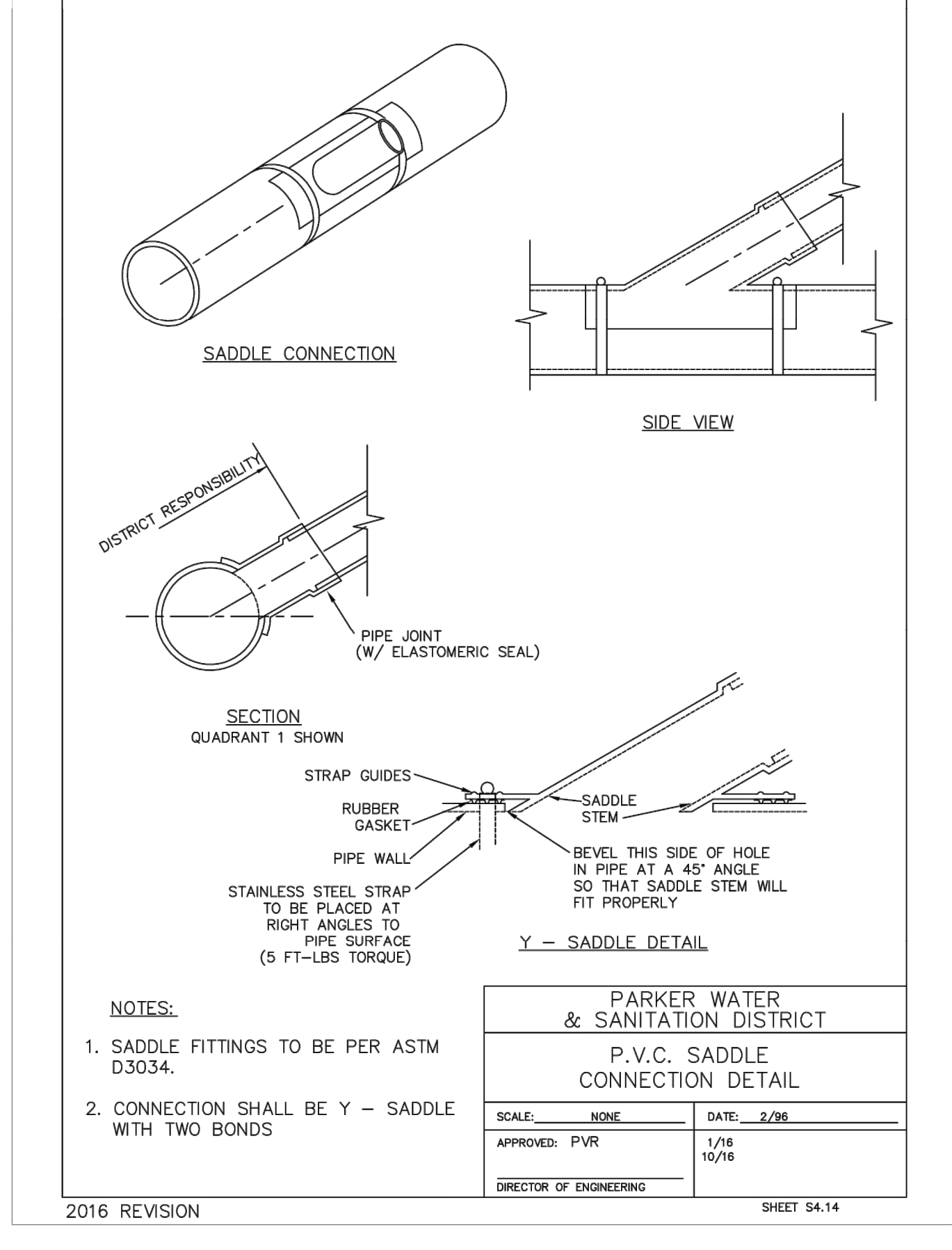
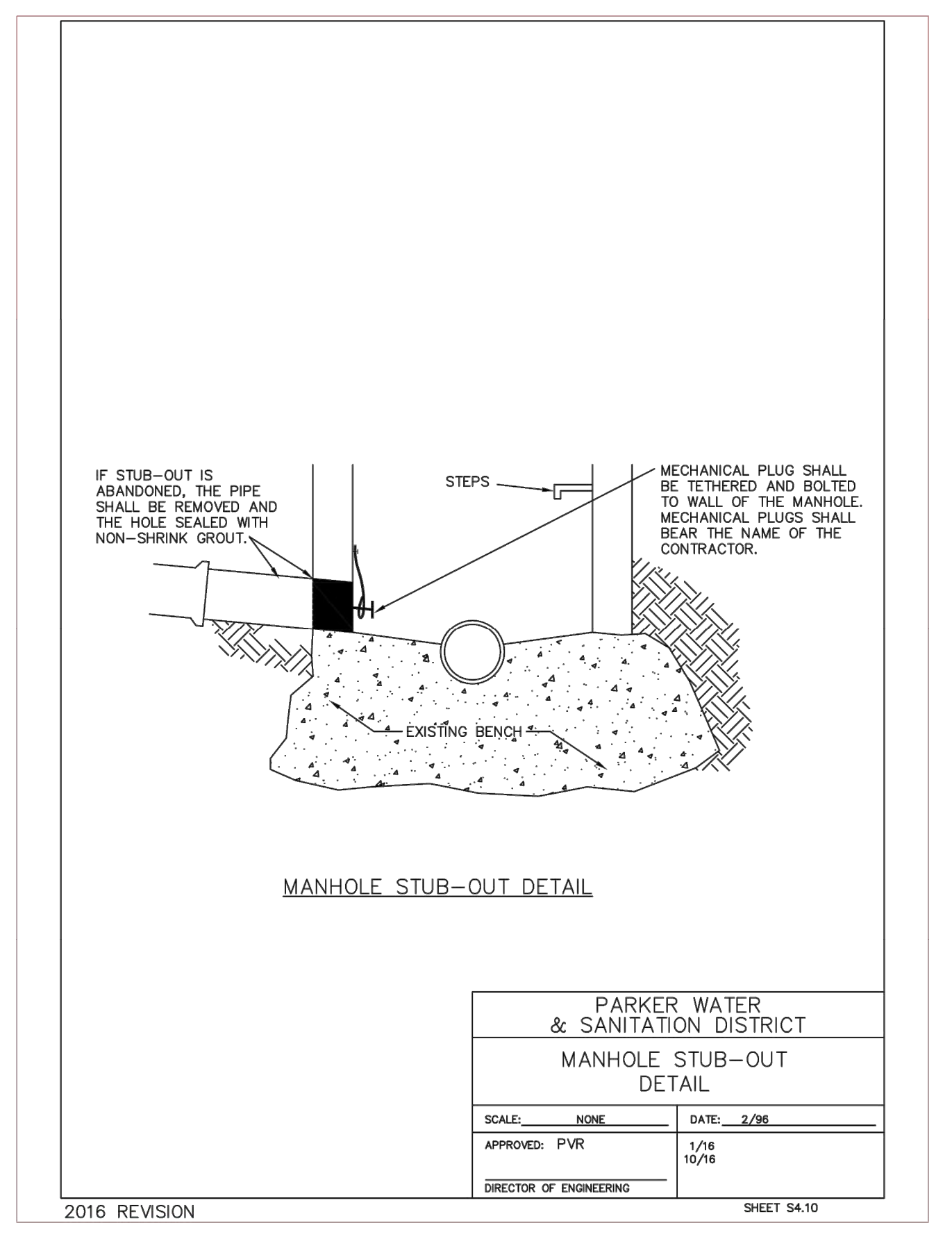
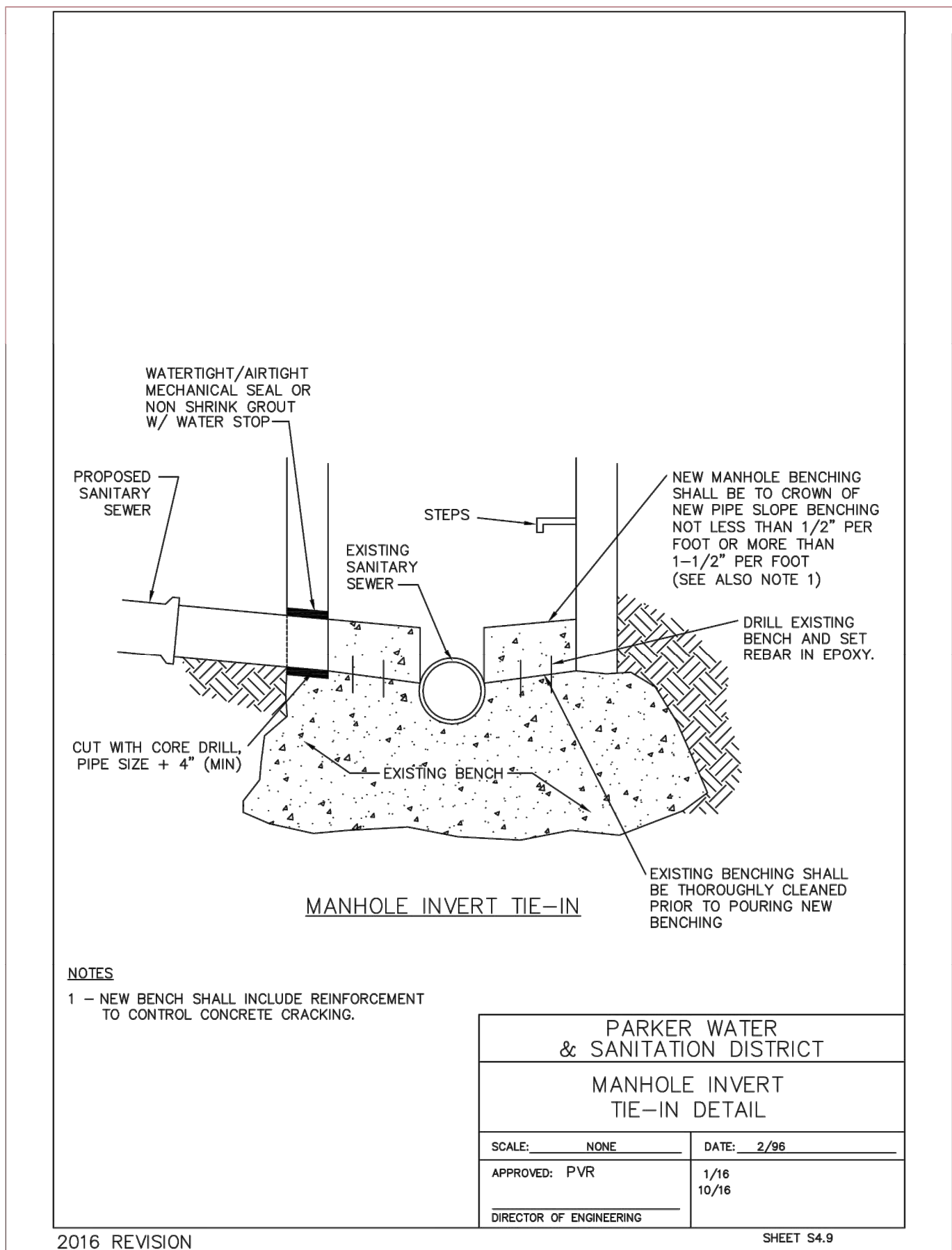
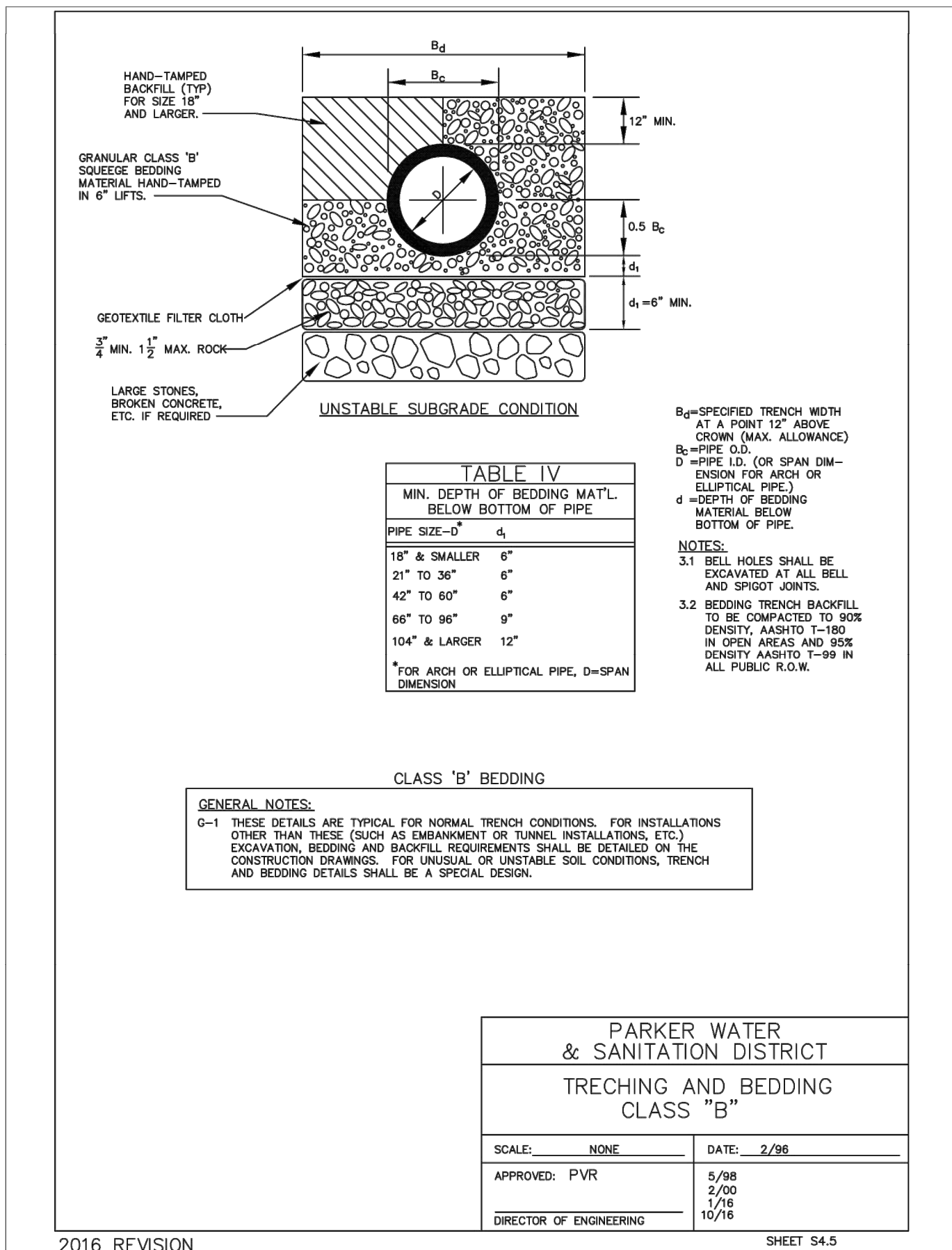
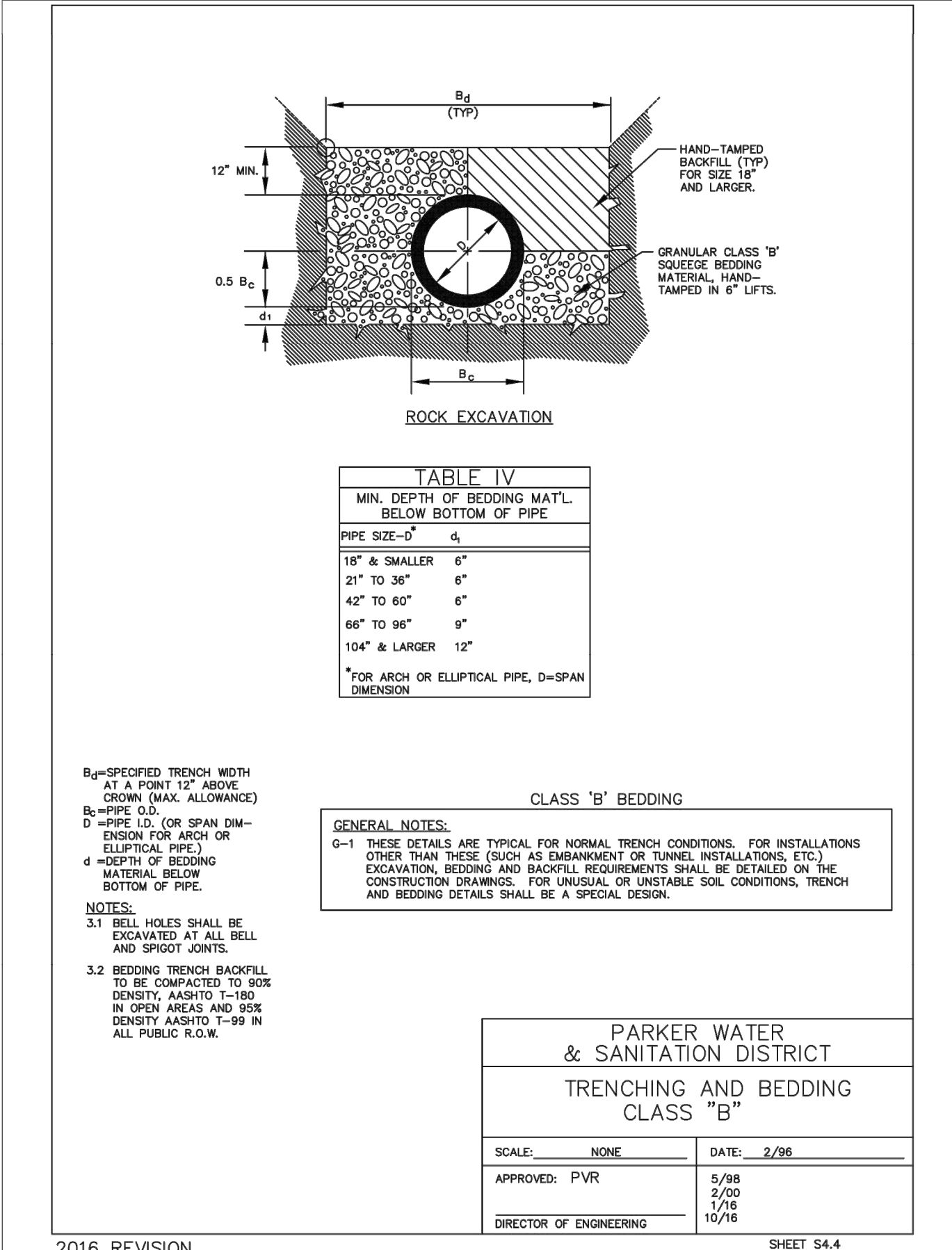
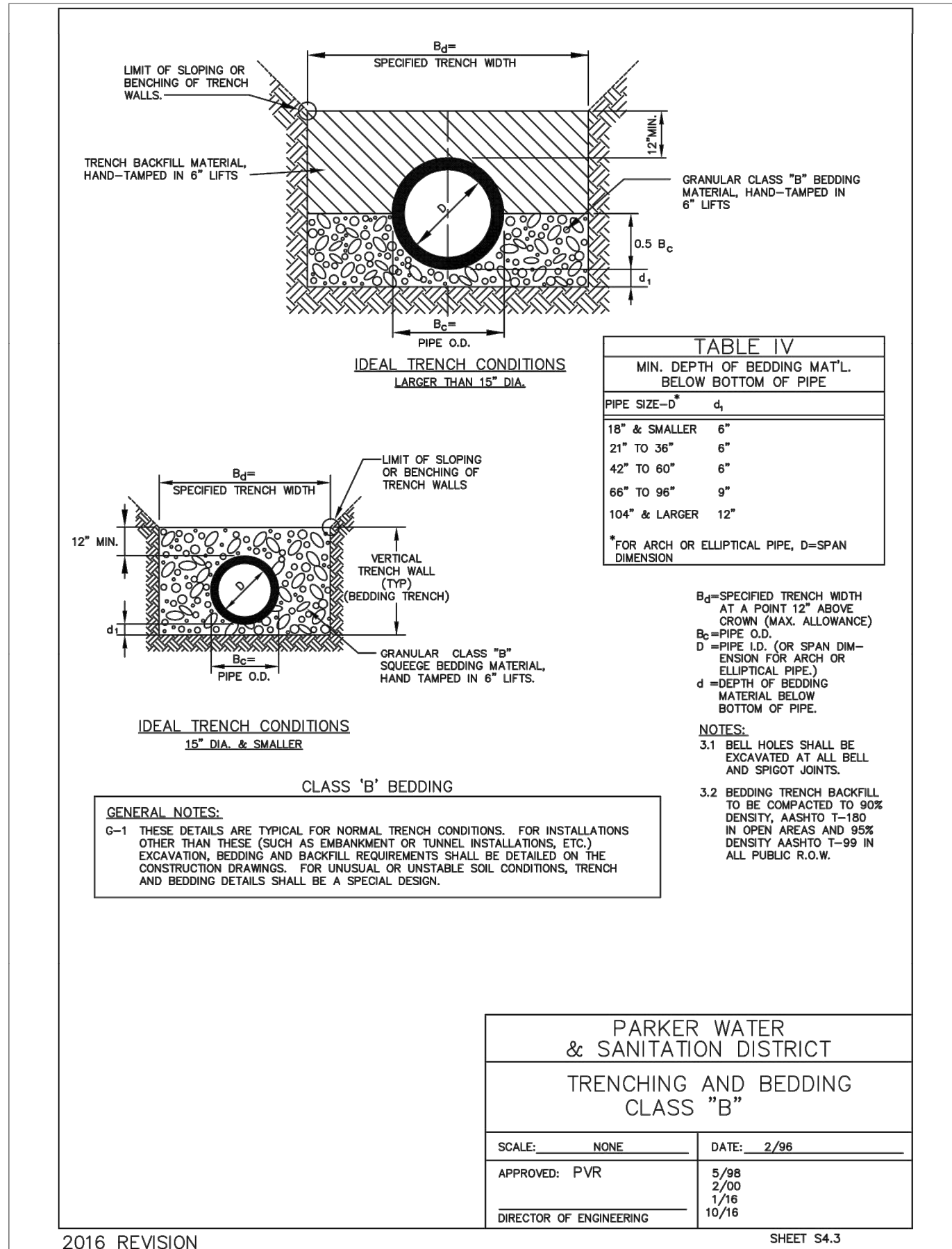
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SCALE: NTS
DATE: 10/7/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173-A

WATER
DETAILS

PROJECT NO:
D01173-A
DRAWING NO:
10
SHEET NO. 10 OF 12 SHEETS

PRELIMINARY
NOT FOR CONSTRUCTION



WATER & SEWER IMPROVEMENT PLANS FOR DOUGLAS 234 FILING NO. 6
DOUGLAS COUNTY, COLORADO

RICK ENGINEERING COMPANY
9801 EAST EASTER AVE
CENTENNIAL, CO 80112
303.537.8020
Tucson - San Diego - Riverside - Orange
Sacramento - San Luis Obispo - Phoenix
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NO.	DESCRIPTION	DATE:
△	-	-

SCALE: NTS
DATE: 10/7/2020
DRAWN BY: WD
CHECKED BY: JS
JOB NO: D01173-A

SEWER DETAILS

PROJECT NO. D01173-A
DRAWING NO. 12
SHEET NO. 12 OF 12 SHEETS

PRELIMINARY NOT FOR CONSTRUCTION