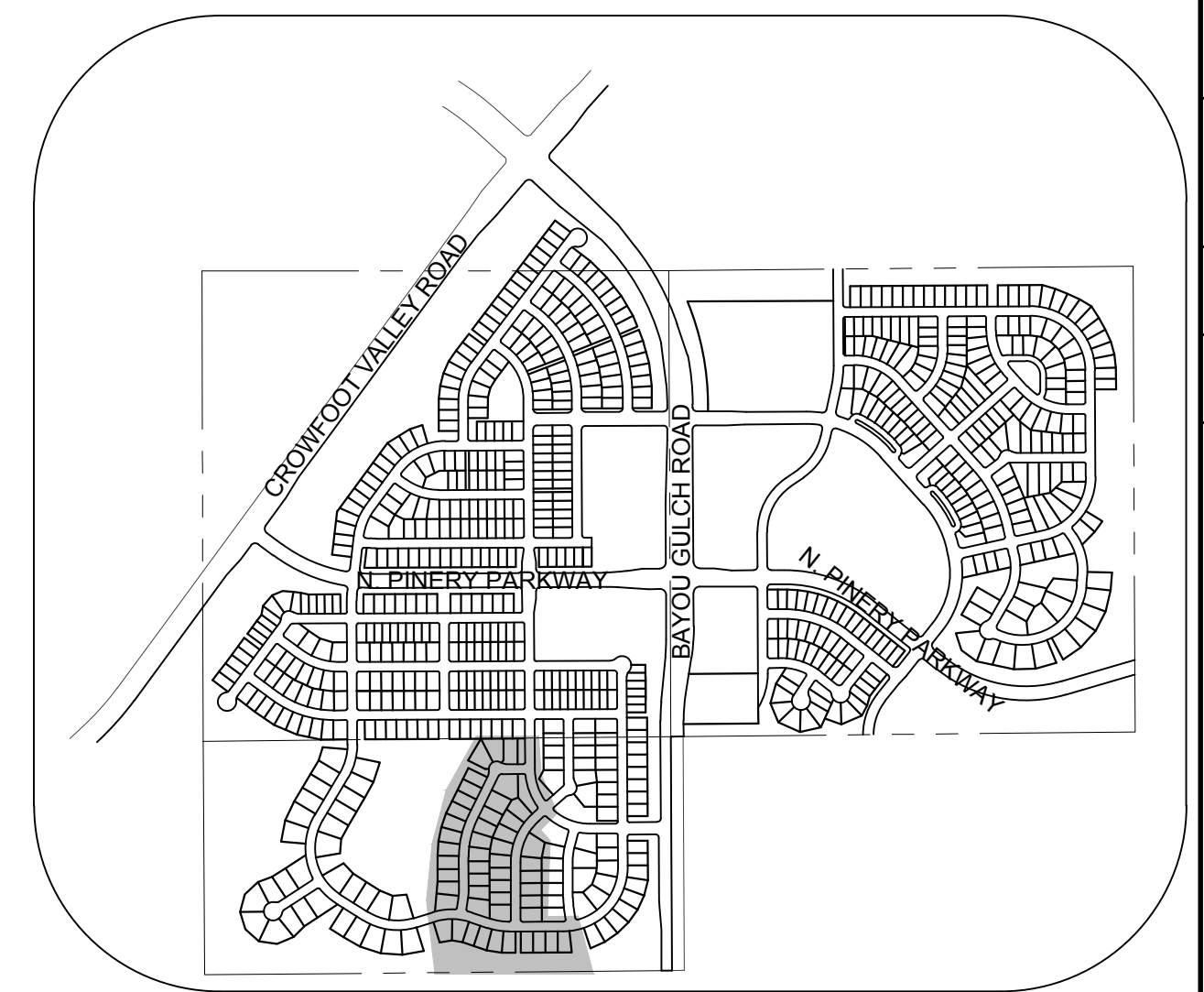
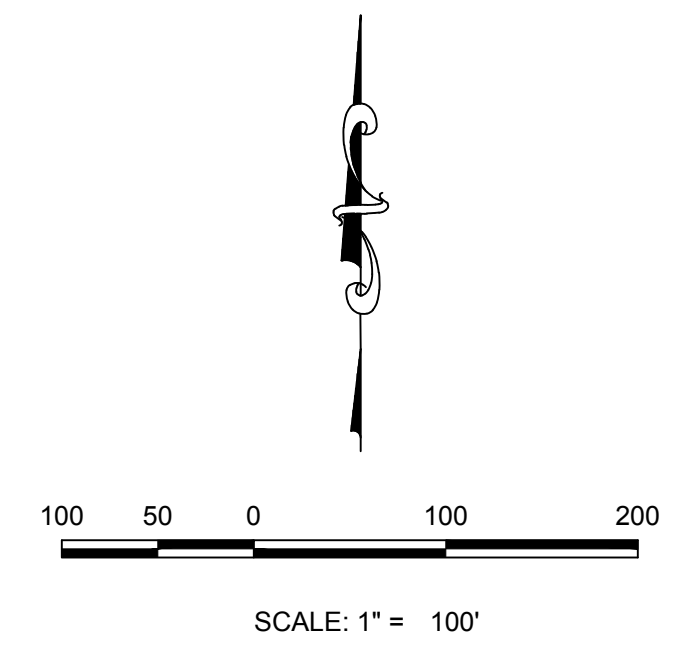
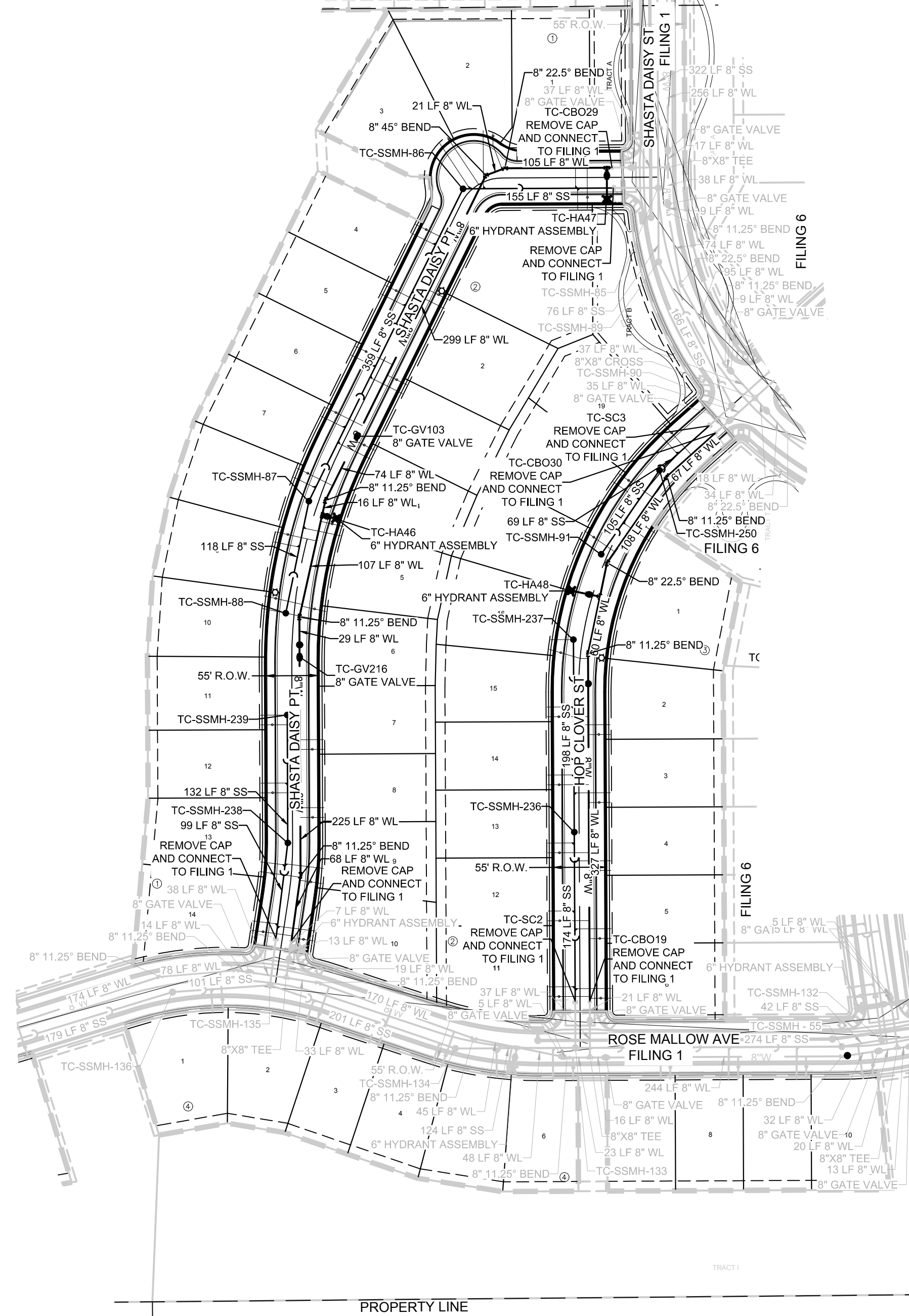


SANITARY SERVICE TABLE		
FILING, BLOCK, LOT	STREET	STATIONING
F7.B1.L1	SHASTA DAISY PT	19+68.64
F7.B1.L2	SHASTA DAISY PT	18+70.03
F7.B1.L3	SHASTA DAISY PT	18+48.19
F7.B1.L4	SHASTA DAISY PT	17+90.70
F7.B1.L5	SHASTA DAISY PT	17+20.70
F7.B1.L6	SHASTA DAISY PT	16+50.70
F7.B1.L7	SHASTA DAISY PT	15+80.70
F7.B1.L8	SHASTA DAISY PT	15+12.51
F7.B1.L9	SHASTA DAISY PT	14+50.21
F7.B1.L10	SHASTA DAISY PT	13+81.74
F7.B1.L11	SHASTA DAISY PT	12+77.71
F7.B1.L12	SHASTA DAISY PT	12+07.71
F7.B1.L13	SHASTA DAISY PT	11+22.90
F7.B1.L14	SHASTA DAISY PT	10+60.90
F7.B2.L1	SHASTA DAISY PT	19+70.69
F7.B2.L2	SHASTA DAISY PT	17+36.15
F7.B2.L3	SHASTA DAISY PT	16+38.62
F7.B2.L4	SHASTA DAISY PT	15+63.62
F7.B2.L5	SHASTA DAISY PT	14+69.94
F7.B2.L6	SHASTA DAISY PT	13+81.74
F7.B2.L7	SHASTA DAISY PT	12+52.20
F7.B2.L8	SHASTA DAISY PT	11+82.20
F7.B2.L9	SHASTA DAISY PT	11+24.16
F7.B2.L10	SHASTA DAISY PT	10+58.41
F7.B2.L11	HOP CLOVER ST	10+63.00
F7.B2.L12	HOP CLOVER ST	11+40.98
F7.B2.L13	HOP CLOVER ST	12+10.98
F7.B2.L14	HOP CLOVER ST	12+80.98
F7.B2.L15	HOP CLOVER ST	13+50.98
F7.B2.L16	HOP CLOVER ST	14+19.09
F7.B2.L17	HOP CLOVER ST	15+09.65
F7.B2.L18	HOP CLOVER ST	15+76.97
F7.B2.L19	HOP CLOVER ST	16+38.73
F7.B3.L1	HOP CLOVER ST	15+48.44
F7.B3.L2	HOP CLOVER ST	13+32.50
F7.B3.L3	HOP CLOVER ST	12+62.50
F7.B3.L4	HOP CLOVER ST	11+92.50
F7.B3.L5	HOP CLOVER ST	11+22.50
F7.B3.L6	HOP CLOVER ST	10+61.00
F7.B4.L1	ROSE MALLOW AVE	36+03.97
F7.B4.L2	ROSE MALLOW AVE	37+13.31
F7.B4.L3	ROSE MALLOW AVE	37+81.82
F7.B4.L4	ROSE MALLOW AVE	38+50.26
F7.B4.L5	ROSE MALLOW AVE	39+07.86
F7.B4.L6	ROSE MALLOW AVE	39+65.65
F7.B4.L7	ROSE MALLOW AVE	40+76.73
F7.B4.L8	ROSE MALLOW AVE	41+46.73
F7.B4.L9	ROSE MALLOW AVE	42+16.73
F7.B4.L10	ROSE MALLOW AVE	42+79.53

WATER SERVICE TABLE		
FILING, BLOCK, LOT	STREET	STATIONING
F7.B1.L1	SHASTA DAISY PT	19+68.64
F7.B1.L2	SHASTA DAISY PT	18+70.03
F7.B1.L3	SHASTA DAISY PT	18+48.19
F7.B1.L4	SHASTA DAISY PT	17+90.70
F7.B1.L5	SHASTA DAISY PT	17+20.70
F7.B1.L6	SHASTA DAISY PT	16+50.70
F7.B1.L7	SHASTA DAISY PT	15+80.70
F7.B1.L8	SHASTA DAISY PT	15+12.51
F7.B1.L9	SHASTA DAISY PT	14+50.21
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F7.B2.L2	SHASTA DAISY PT	17+36.15
F7.B2.L3	SHASTA DAISY PT	16+38.62
F7.B2.L4	SHASTA DAISY PT	15+63.62
F7.B2.L5	SHASTA DAISY PT	14+69.94
F7.B2.L6	SHASTA DAISY PT	13+81.74
F7.B2.L7	SHASTA DAISY PT	12+52.20
F7.B2.L8	SHASTA DAISY PT	11+82.20
F7.B2.L9	SHASTA DAISY PT	11+24.16
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F7.B2.L11	HOP CLOVER ST	10+63.00
F7.B2.L12	HOP CLOVER ST	11+40.98
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F7.B2.L16	HOP CLOVER ST	14+19.09
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KEYMAP N.T.S. LEGEND

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Ⓐ	LOT TYPE	---	CENTERLINE
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⊞	PROPOSED CAP WITH END OF LINE BLOWOFF	---	EDGE OF PAVEMENT
⊞	PROPOSED REDUCER	→	PROPOSED DIRECTION OF FLOW
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⊞	PROPOSED FIRE HYDRANT	5615	EXISTING 5' CONTOUR
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⊞	FUTURE PHASE VALVE	---	PROPOSED SEWER LINE WITH MANHOLE
⊞	FUTURE FIRE HYDRANT	---	PROPOSED WATER LATERAL WITH METER
⊞	PROPOSED LIGHT POLE	---	SECTION LINE
⊞	PROPOSED SIDEWALK	---	FILING BOUNDARY
⊞	PROPOSED SIDEWALK RAMP	---	EXISTING FIBER OPTIC LINE
10.00	EXISTING ELEVATION	---	EXISTING OVERHEAD POWER
10.00	PROPOSED DESIGN ELEVATION	---	EXISTING TELEPHONE LINE
⊞	PROPOSED STORM DRAIN INLET	---	
⊞	PROPOSED STORM DRAIN MANHOLE	---	

ABBREVIATIONS

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HP	HIGH POINT	VC	VERTICAL CURVE
INV	INVERT	WL	WATER LINE
K	CURVATURE COEFFICIENT	WLC	WATER LINE CONNECTION
LF	LINEAR FEET	WSE	WATER SURFACE ELEVATION

THE TOWN OF PARKER REVIEW CONSTITUTES GENERAL COMPLIANCE WITH THE TOWN'S STANDARDS AND APPROVED VARIANCES. SUBJECT TO THESE PLANS BEING STAMPED, SIGN, 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 _____ DATE _____

PREPARED UNDER THE SUPERVISION OF

BRIAN P. WILSON
COLORADO P.E. 0050067

THE DISTRICT INSPECTOR MUST BE NOTIFIED AT LEAST 48 HOURS PRIOR TO START OF CONSTRUCTION. CALL PARKER WATER AND SANITATION DISTRICT AT 303-841-4627. THE DISTRICT WILL PROVIDE PERIODIC INSPECTIONS OF THE WORK. 24 HOUR NOTICE TO THE INSPECTOR IS REQUIRED FOR SCHEDULED INSPECTIONS. ANY WORK ACCOMPLISHED WITHOUT THE APPROVAL OF THE INSPECTOR WILL BE SUBJECT TO REJECTION.

REVIEWED FOR CONFORMANCE TO PARKER WATER AND SANITATION DISTRICT STANDARDS.

BY: _____ DATE _____
(DISTRICT REPRESENTATIVE)

APPROVED FOR CONSTRUCTION:
PARKER WATER AND SANITATION DISTRICT

BY: _____ DATE _____
(DISTRICT ENGINEER)

FIRE DEPARTMENT APPROVAL
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) _____ DATE _____

(NOTE- UNDERGROUND FIRE LINE (UFL) SUBMITTAL DOCUMENTS MUST MEET THE REQUIREMENTS OF NFPA24 WHEN SUBMITTING FOR REVIEW.)

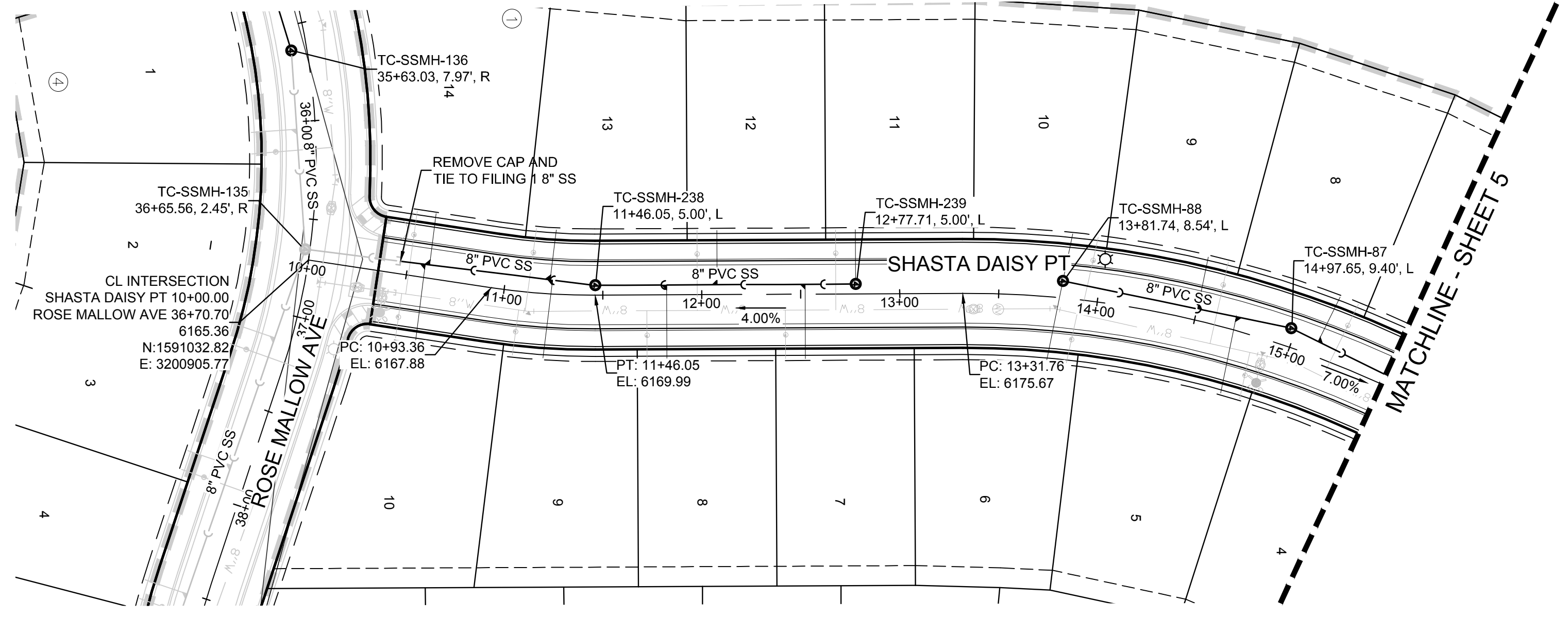
BENCHMARK
DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

BASIS OF BEARINGS:
THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 9 BEING MONUMENTED AT THE NORTHEAST CORNER OF SAID SECTION 9 BY A 3-1/4" ALUMINUM CAP STAMPED LS 23053 AND AT THE EAST QUARTER CORNER OF SAID SECTION 9 BY A 2-1/2" ALUMINUM CAP STAMPED LS 6935 BEING CONSIDERED TO BEAR SOUTH 00°15'06" EAST, 2648.70 FEET.

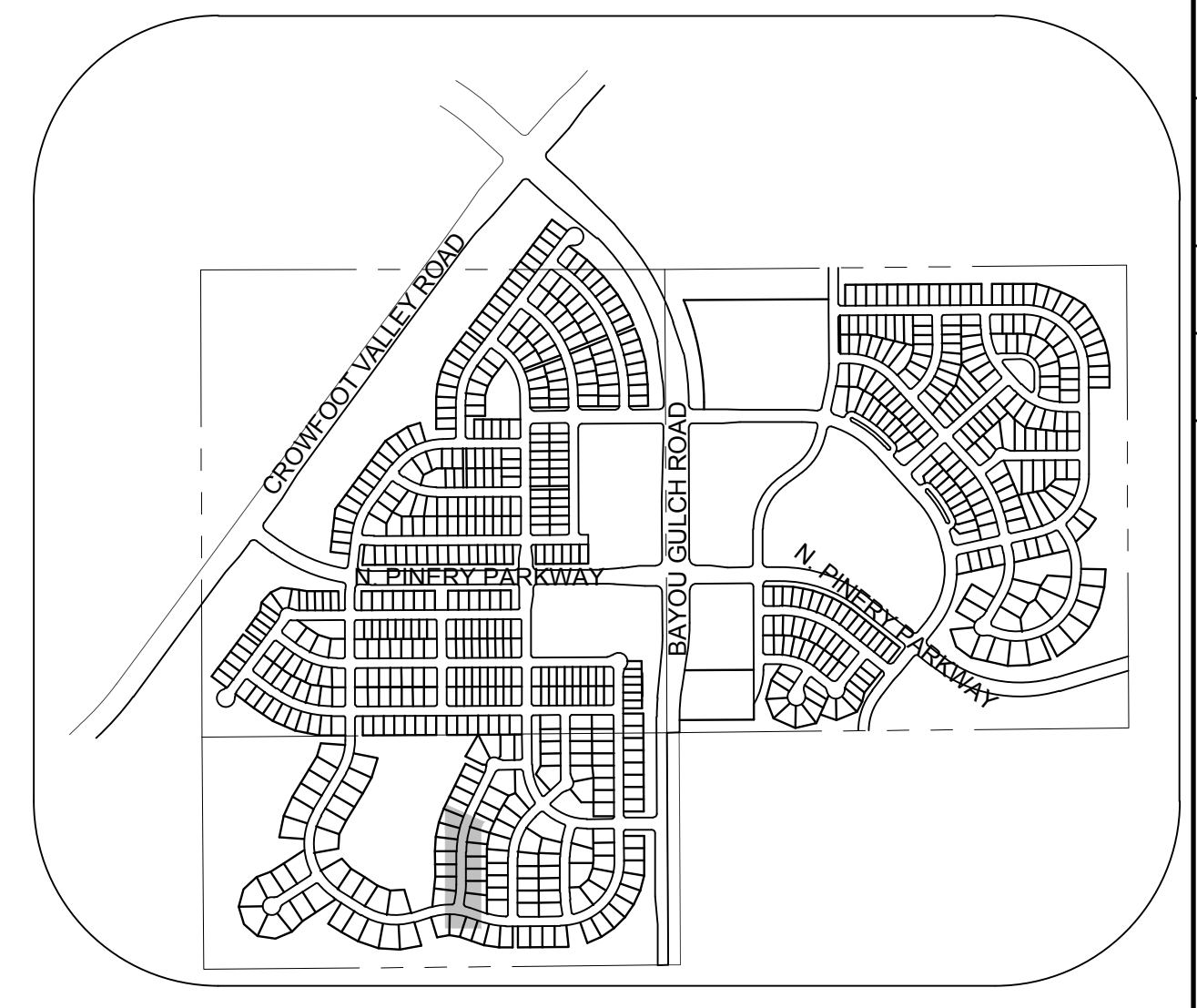
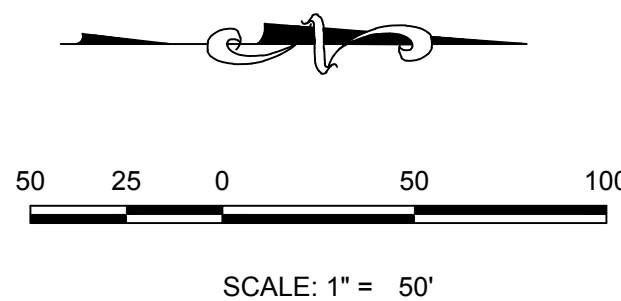
N:\PROJECTS\BENCH\ENGINEERING\DRAWINGS\AREA UTILITY PLAN\DWG. ANDREW.P. 12/27/2017 9:53 AM

CALL 811
TWO WORKING DAYS
BEFORE YOU DIG
UNCC 1-800-922-1987
UTILITY NOTIFICATION CENTER OF COLORADO

SCALE:	AS SHOWN	FILE NO.:	8130283701
DRAWN BY:	JLR	CHECKED BY:	JLU
SHEET NUMBER	3		
DATE:	AUGUST 2017		
TRAILS AT CROWFOOT FILING 7 CONSTRUCTION DRAWINGS AREA UTILITY PLAN			
HR 935 LLC 7353 South Alton Way CENTENNIAL, CO 80112			
10338 E. Dry Creek Rd. Suite 410 Englewood, Colorado 80152 Tel: (720) 482-9526 Fax: (720) 482-9546	Revisions	Date	Date



PLAN: SHASTA DAISY PT STA: 9+00.00 TO 15+50.00
HORIZONTAL SCALE: 1" = 50'

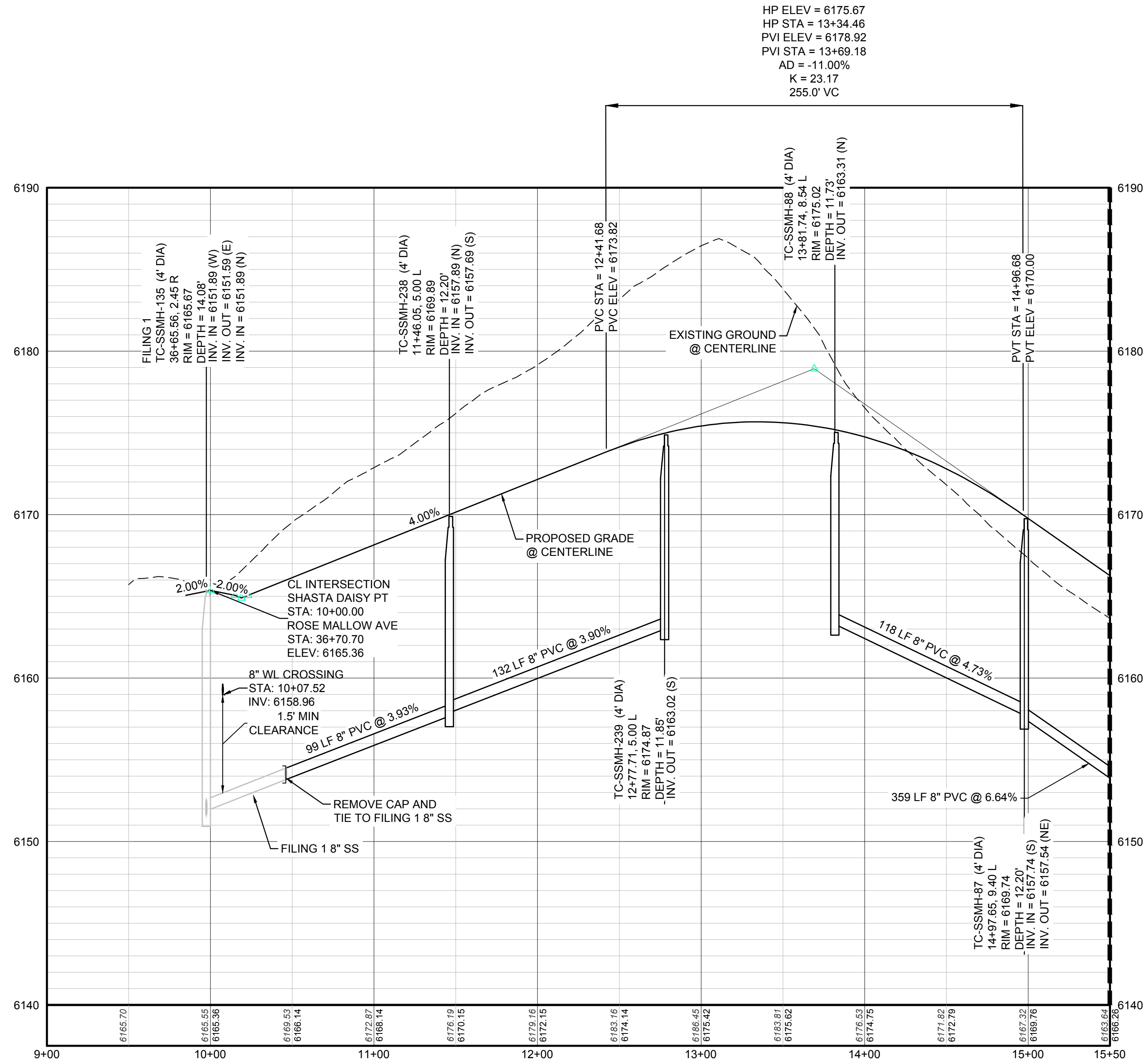


KEYMAP
N.T.S.
LEGEND

②	BLOCK NUMBER	△	PROPOSED RANGE POINT
①	LOT TYPE	---	CENTERLINE
6	LOT NUMBER	---	RIGHT-OF-WAY
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⌋	PROPOSED REDUCER	→	PROPOSED DIRECTION OF FLOW
⊗	PROPOSED VALVE	1.0%	PROPOSED SLOPE & DIRECTION
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⊗	PROPOSED AIR VALVE	---	PROPOSED STORM DRAIN
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⊗	FUTURE FIRE HYDRANT	---	PROPOSED SEWER LATERAL
⊗	PROPOSED LIGHT POLE	---	PROPOSED WATER LINE
⊗	PROPOSED SIDEWALK	---	PROPOSED WATER LATERAL W/ METER
⊗	PROPOSED SIDEWALK RAMP	---	SECTION LINE
10.00	EXISTING ELEVATION	---	FILING BOUNDARY
10.00	PROPOSED DESIGN ELEVATION	---	EXISTING FIBER OPTIC LINE
⊗	PROPOSED STORM DRAIN INLET	---	EXISTING OVERHEAD POWER
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ABBREVIATIONS

AD	ANGLE DIFFERENCE	MH	MANHOLE
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FL	FLOW LINE	SS	SANITARY SEWER
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HA	HYDRANT ASSEMBLY	T.O.P.	TOP OF PIPE
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PROFILE: SHASTA DAISY PT STA: 9+00.00 TO 15+50.00
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BENCHMARK
THE DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.069032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

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PREPARED UNDER THE SUPERVISION OF

BRIAN P. WILSON
COLORADO P.E. 0050067

SHEET NUMBER	4	DRAWN BY: KJD	SCALE: AS SHOWN	FILE NO: 8130283701	DATE: AUGUST 2017	CHECKED BY: JU	Revisions	Date	Appr.	Date	

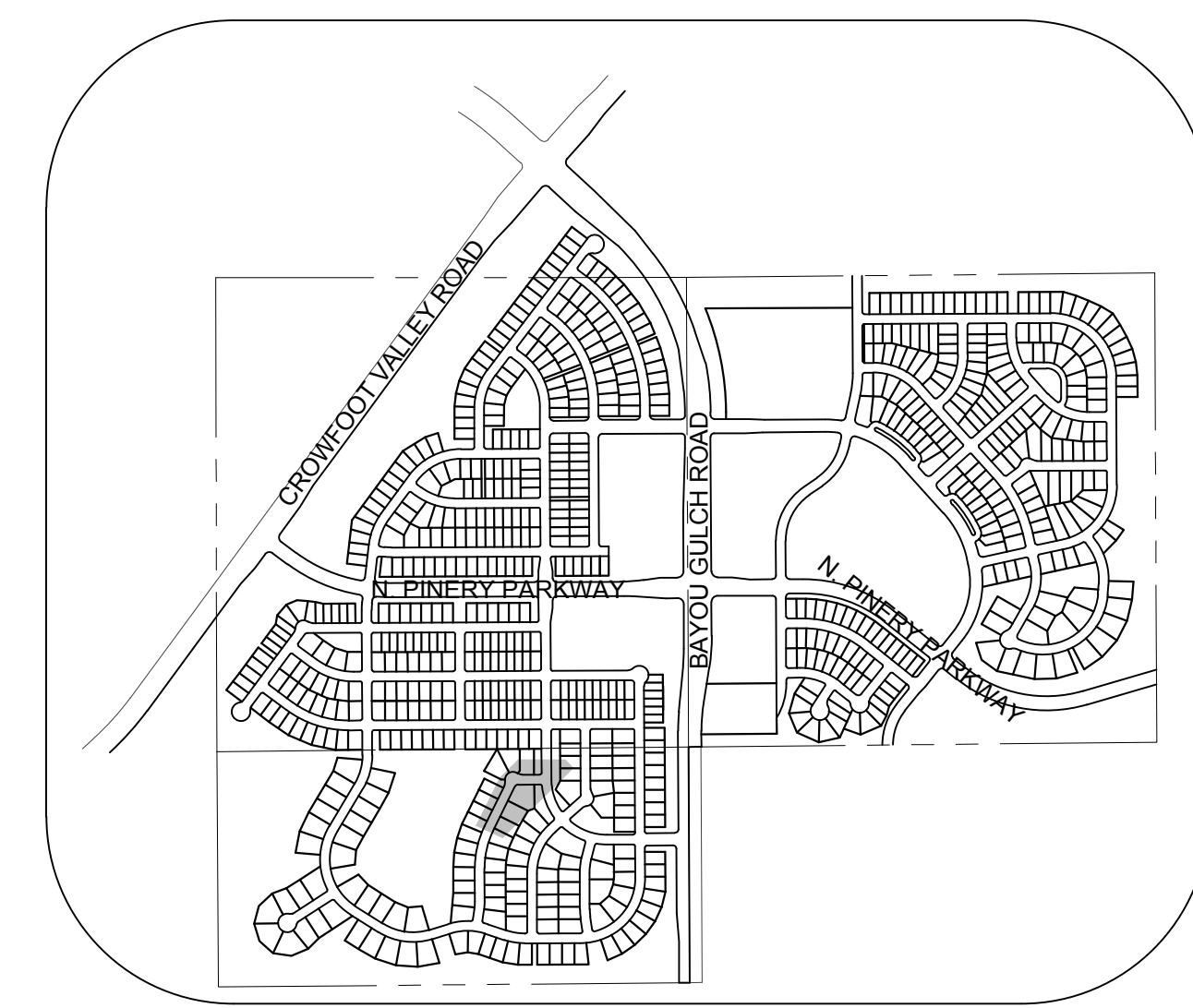
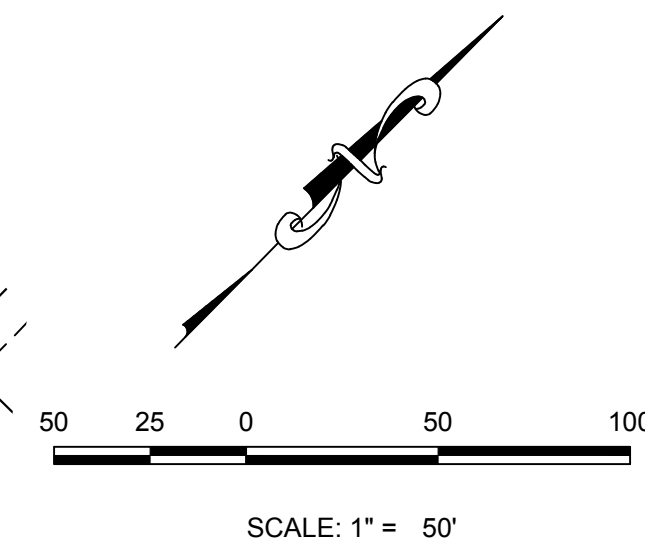
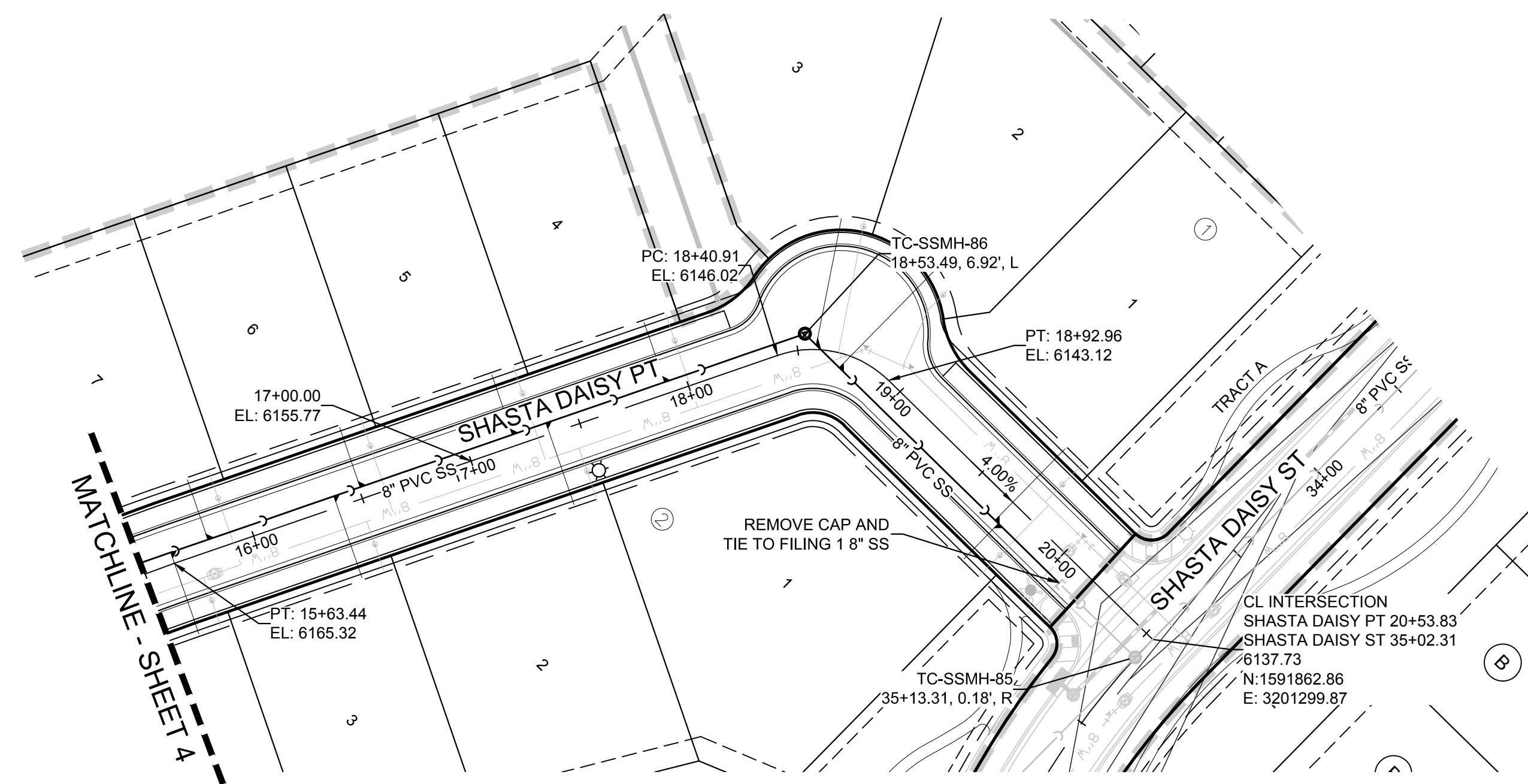
UNCC PROJECTS/ENR/ENGINEERING/SHEET SET/PROJECTS/PARKER WATER AND SANITATION/SANITARY PLAN AND PROFILE/SHASTA DAISY TERRACE SANITARY DWG. ANDREW.P. 12/22/2017 2:22 PM

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BEFORE YOU DIG
UNCC 1-800-922-1987
UTILITY NOTIFICATION CENTER OF COLORADO

TRAILS AT CROWFOOT
FILING 7 CONSTRUCTION DRAWINGS
SANITARY SEWER PLAN AND PROFILE
SHASTA DAISY POINT

HR 935 LLC
7353 South Alton Way
CENTENNIAL, CO 80112

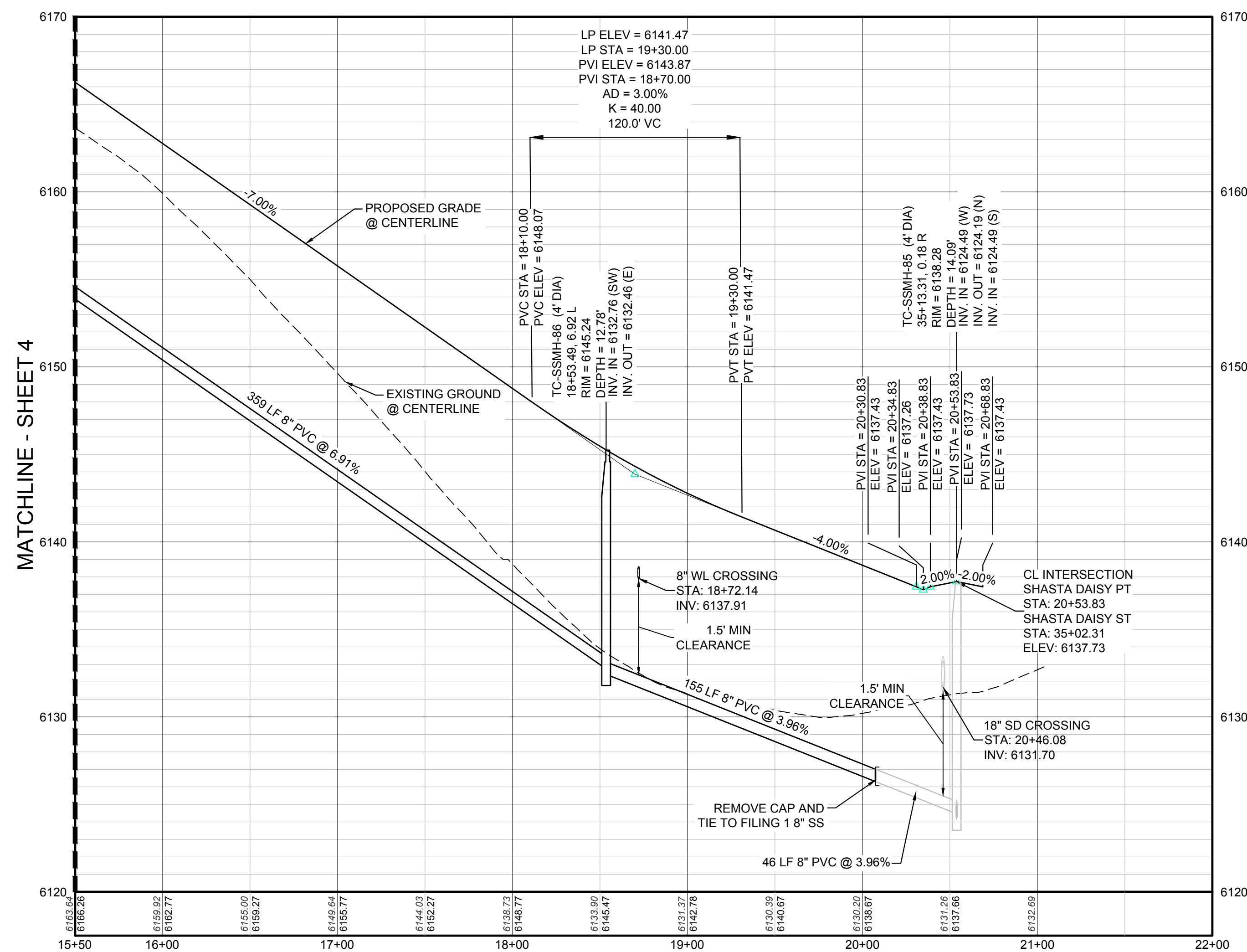
10339 E. Dry Creek Rd.
Suite 410
Englewood, CO 80150
Tel: (720) 482-9526
Fax: (720) 482-9546



KEYMAP
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LEGEND

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10.00	PROPOSED DESIGN ELEVATION	FO	EXISTING FIBER OPTIC LINE
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PLAN: SHASTA DAISY POINT STA: 15+50.00 TO 22+00.00
HORIZONTAL SCALE: 1" = 50'



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PREPARED UNDER THE SUPERVISION OF

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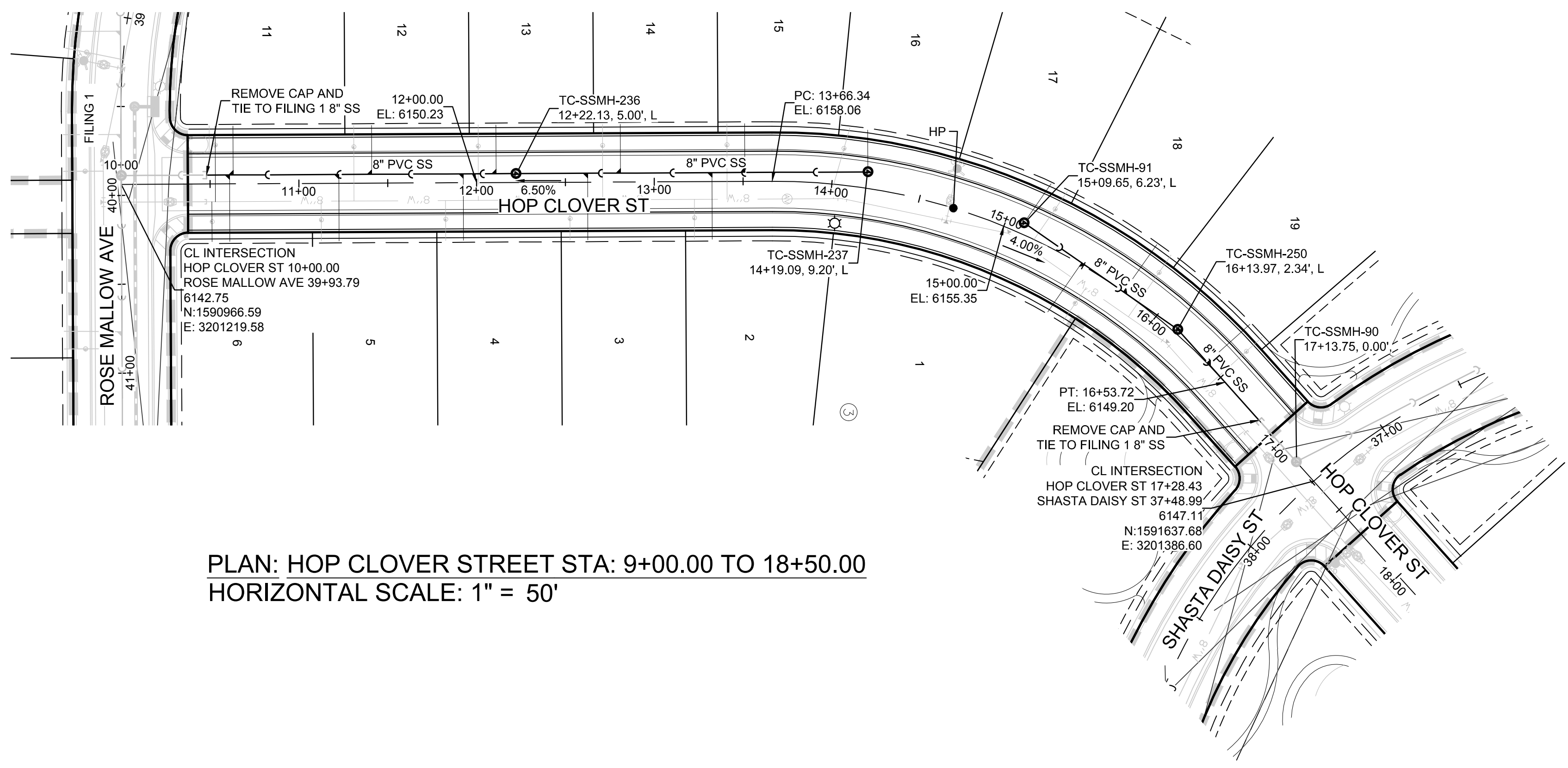
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THE DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.060032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

BASIS OF BEARINGS:
THE EAST LINE OF THE NORTHEAST QUARTER OF SAID SECTION 9 BEING MONUMENTED AT THE NORTHEAST CORNER OF SAID SECTION 9 BY A 3-1/4" ALUMINUM CAP STAMPED LS 23053 AND AT THE EAST QUARTER CORNER OF SAID SECTION 9 BY A 2-1/2" ALUMINUM CAP STAMPED LS 6935 BEING CONSIDERED TO BEAR SOUTH 00°15'06" EAST, 2648.70 FEET.

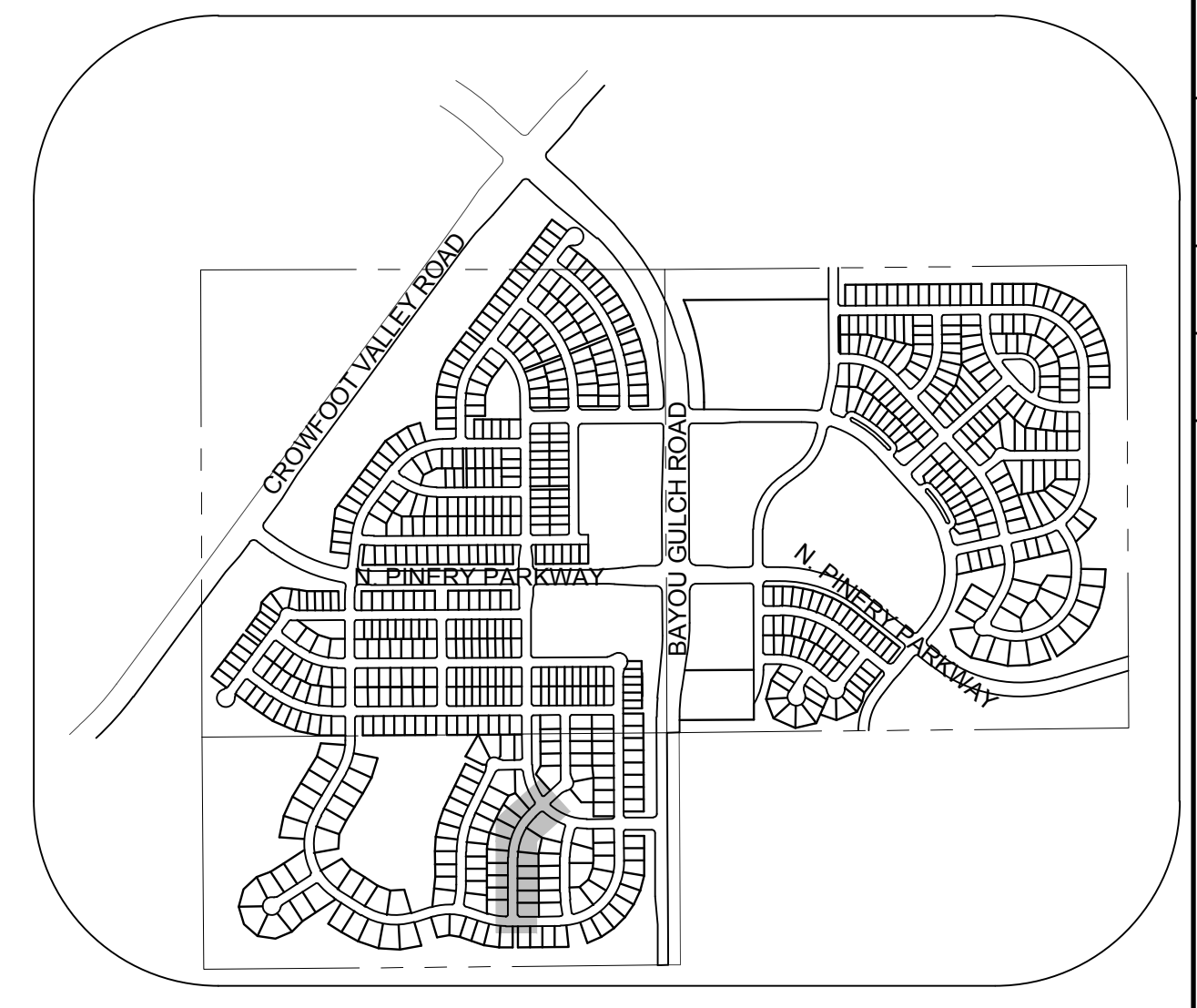
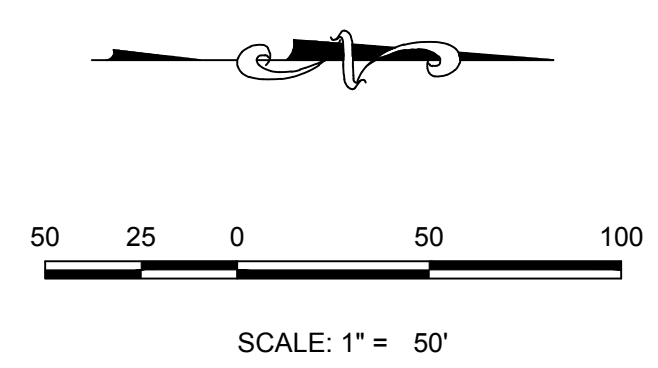
N:\PROJECTS\SS\BENCHM\ENGINEERING\SHEET SET\DCS\SPARKER WATER AND SANITATION\SANITARY PLAN AND PROFILE\SHASTA DAISY TERRACE SANITARY DWG.ANDREW.P. 12/27/2017 10:08 AM

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UTILITY NOTIFICATION
CENTER OF COLORADO

SHEET NUMBER	DRAWN BY: KJD	CHECKED BY: JU	DATE: AUGUST 2017	SCALE:	AS SHOWN	FILE NO:	8130283701
				TRAILS AT CROWFOOT FILING 7 CONSTRUCTION DRAWINGS SANITARY SEWER PLAN AND PROFILE SHASTA DAISY POINT			
5	CVL CONSULTANTS 10339 E. Dry Creek Rd., Suite 410 Englewood, Colorado 80150 Tel: (720) 482-9526 Fax: (720) 482-9548			HR 935 LLC 7353 South Alton Way CENTENNIAL, CO 80112			
	Revisions	No.	Date	Appr.	Date		



PLAN: HOP CLOVER STREET STA: 9+00.00 TO 18+50.00
HORIZONTAL SCALE: 1" = 50'

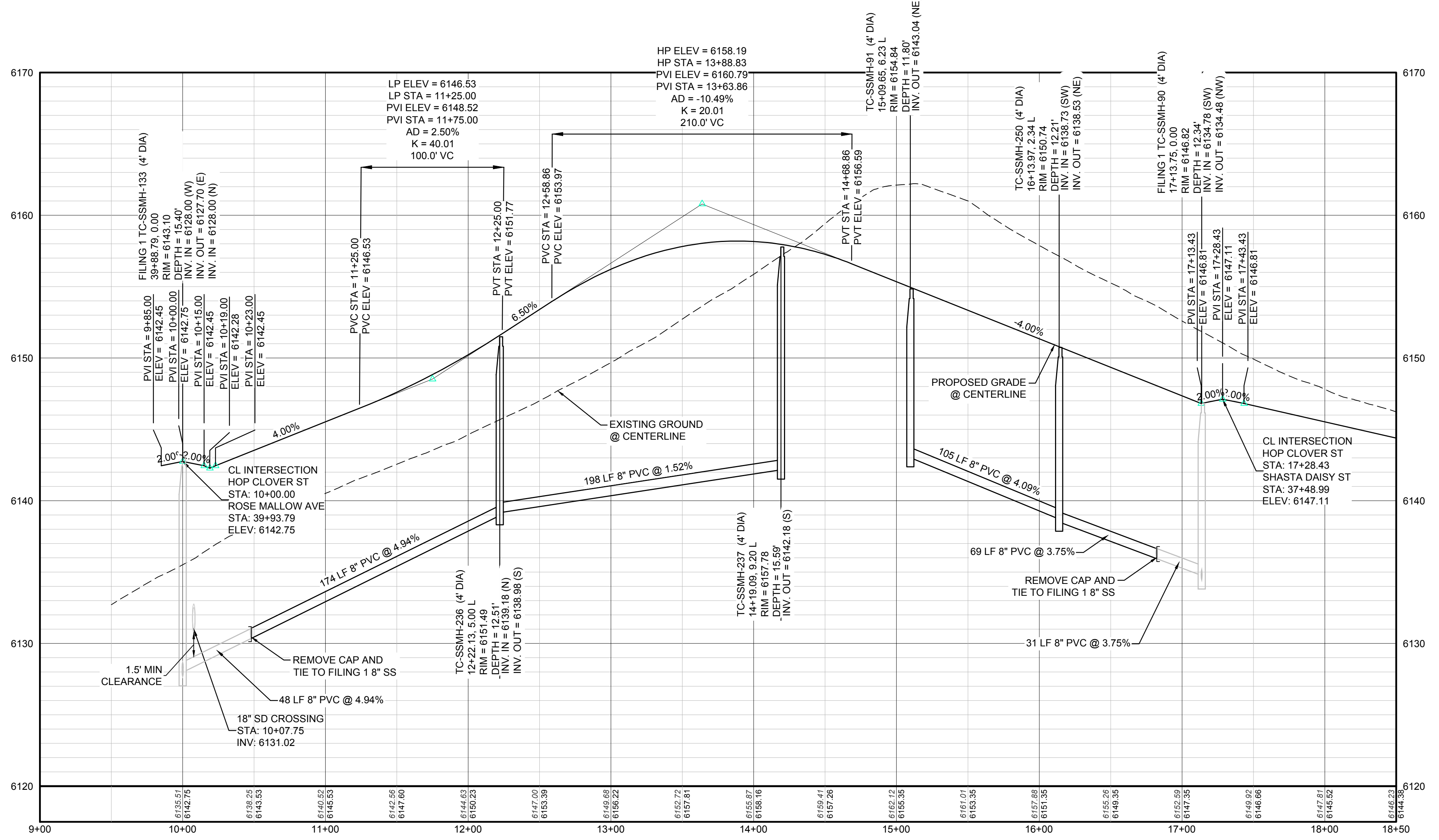


KEYMAP
N.T.S.
LEGEND

②	BLOCK NUMBER	△	PROPOSED RANGE POINT
Ⓐ	LOT TYPE	---	CENTERLINE
6	LOT NUMBER	---	RIGHT-OF-WAY
⊕	PROPOSED BUTTERFLY VALVE	---	PROPERTY LINE
⌈	PROPOSED CAP WITH END OF LINE BLOWOFF	---	EDGE OF PAVEMENT
⊘	PROPOSED REDUCER	→	PROPOSED DIRECTION OF FLOW
⊕	PROPOSED VALVE	1.0%	PROPOSED SLOPE & DIRECTION
⊕	PROPOSED FIRE HYDRANT	---	EXISTING 5' CONTOUR
⊕	PROPOSED WL FITTING WITH THRUST BLOCK	---	EXISTING 1' CONTOUR
⊕	PROPOSED FLARED END SECTION	---	PROPOSED 5' CONTOUR
⊕	PROPOSED LOW POINT BLOW-OFF	---	PROPOSED 1' CONTOUR
⊕	PROPOSED AIR VALVE	---	PROPOSED STORM DRAIN
⊕	FUTURE PHASE VALVE	---	PROPOSED SEWER LINE WITH MANHOLE
⊕	FUTURE FIRE HYDRANT	---	PROPOSED SEWER LATERAL
⊕	PROPOSED LIGHT POLE	---	PROPOSED WATER LINE
⊕	PROPOSED SIDEWALK	---	PROPOSED WATER LATERAL W/ METER
⊕	PROPOSED SIDEWALK RAMP	---	SECTION LINE
10.00	EXISTING ELEVATION	---	FILING BOUNDARY
10.00	PROPOSED DESIGN ELEVATION	---	EXISTING FIBER OPTIC LINE
⊕	PROPOSED STORM DRAIN INLET	---	EXISTING OVERHEAD POWER
⊕	PROPOSED STORM DRAIN MANHOLE	---	EXISTING TELEPHONE LINE

ABBREVIATIONS

AD	ANGLE DIFFERENCE	MH	MANHOLE
AV	AIR VAC RELEASE VALVE	N.T.S.	NOT TO SCALE
BVC	BEGIN VERTICAL CURVE	PVC	POLYVINYL CHLORIDE
BVP	BEGIN VERTICAL PROFILE	PVI	PT. OF VERTICAL INTERSECTION
CBO	CAP WITH BLOW OFF	PVT	POINT OF VERTICAL TANGENT
CRR	CURB RETURN RADIUS	ROBC	REINFORCED CONCRETE BOX CULVERT
CR	ELEVATION	RCP	REINFORCED CONCRETE PIPE
EP	EDGE OF PAVEMENT	ROW	RIGHT OF WAY
EVC	END VERTICAL CURVE	SC	SANITARY CAP
EVP	END VERTICAL PROFILE	SD	STORM DRAIN
FL	FINISHED GROUND	SL	SECTION LINE
FG	FLOW LINE	SS	SANITARY SEWER
GV	GATE VALVE	STA	STATION
HA	HYDRANT ASSEMBLY	T.O.P.	TOP OF PIPE
HCR	HANDICAP CURB RAMP	UE	UTILITY EASEMENT
HP	HIGH POINT	VC	VERTICAL CURVE
INV	INVERT	WL	WATER LINE
K	CURVATURE COEFFICIENT	WLC	WATER LINE CONNECTION
LF	LINEAR FEET	WSE	WATER SURFACE ELEVATION



PROFILE: HOP CLOVER ST STA: 9+00.00 TO 18+50.00
HORIZONTAL: 1" = 50'
VERTICAL: 1" = 5'

BENCHMARK
THE DOUGLAS COUNTY CONTROL POINT KNOWN AS 1.069032, BEING A 3-1/4" ALUMINUM CAP, BEING LOCATED IN THE SOUTHWEST QUARTER OF SECTION 33, TOWNSHIP 6 SOUTH, RANGE 66 WEST OF THE SIXTH PRINCIPAL MERIDIAN, HAVING A PUBLISHED ELEVATION OF 1799.2870 METERS (5903.13 FEET) NAVD '88 DATUM.

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PREPARED UNDER THE SUPERVISION OF

BRIAN P. WILSON
COLORADO P.E. 0050067

N:\PROJECTS\SS\BENCHM\ENGINEERING\SS\BENCHM\WATER AND SANITATION\SANITARY PLAN AND PROFILE\7 DAMES ROCKET STREET SANITARY.DWG, ANDREW.P. 12/22/2017 12:25 PM

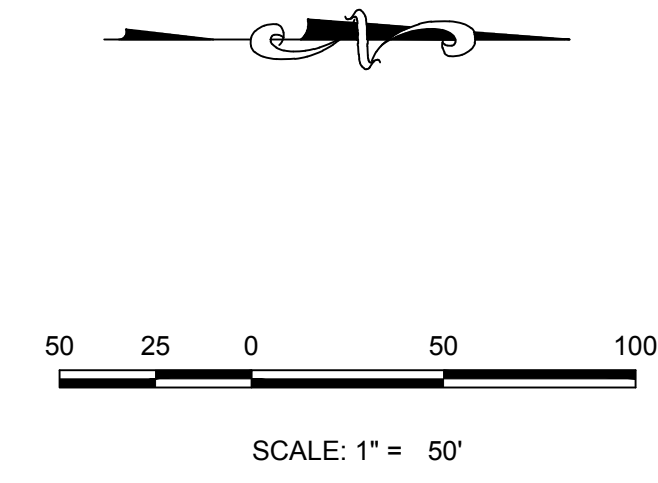
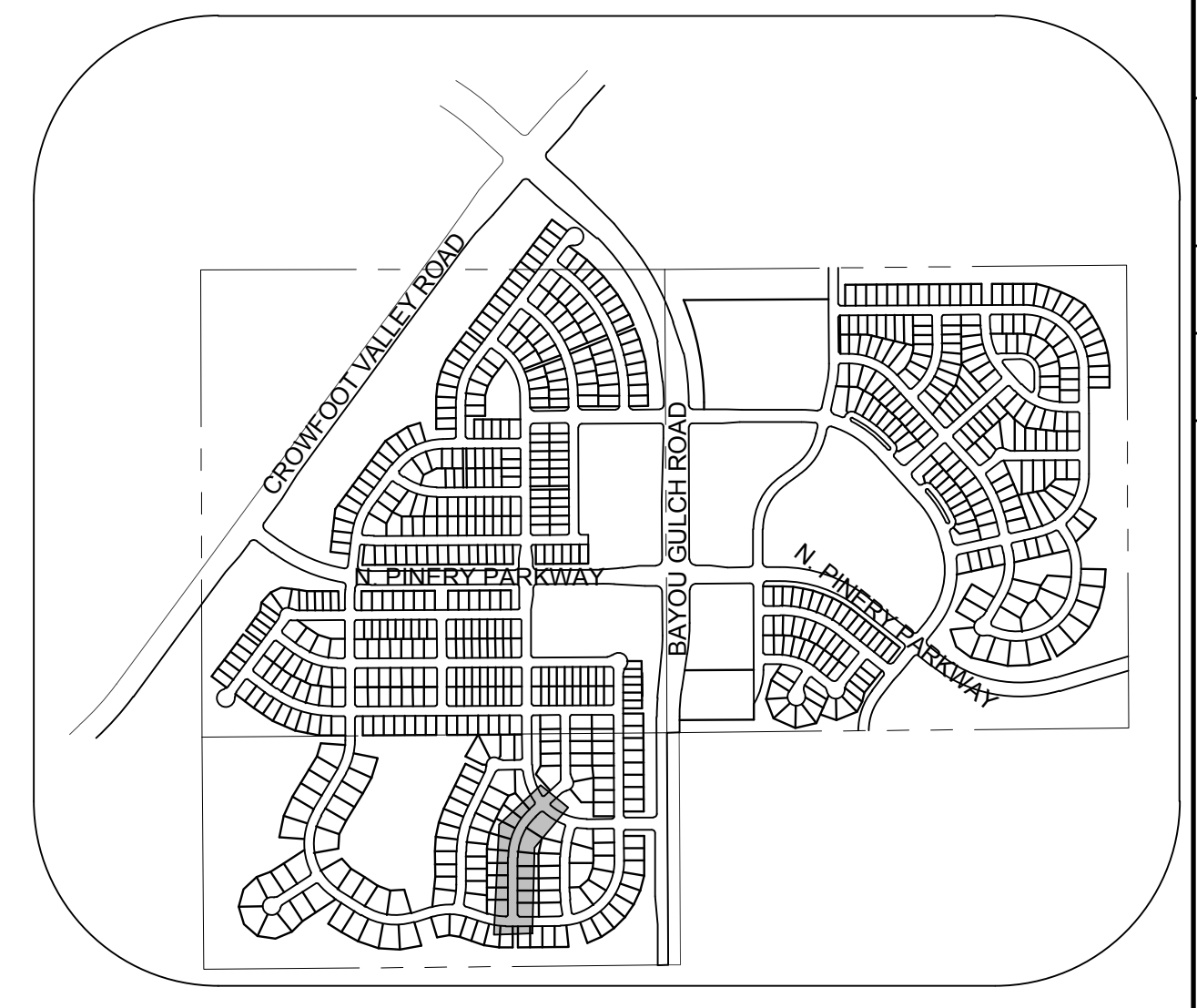
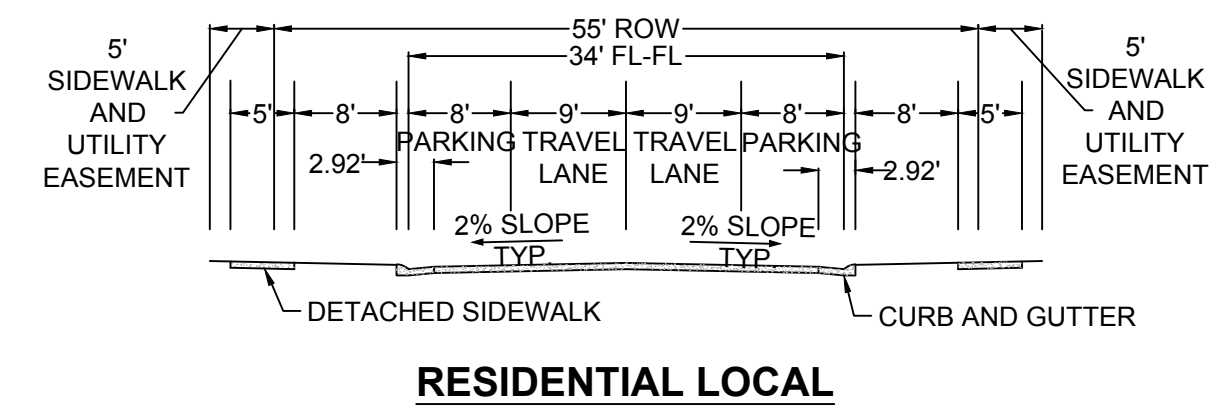
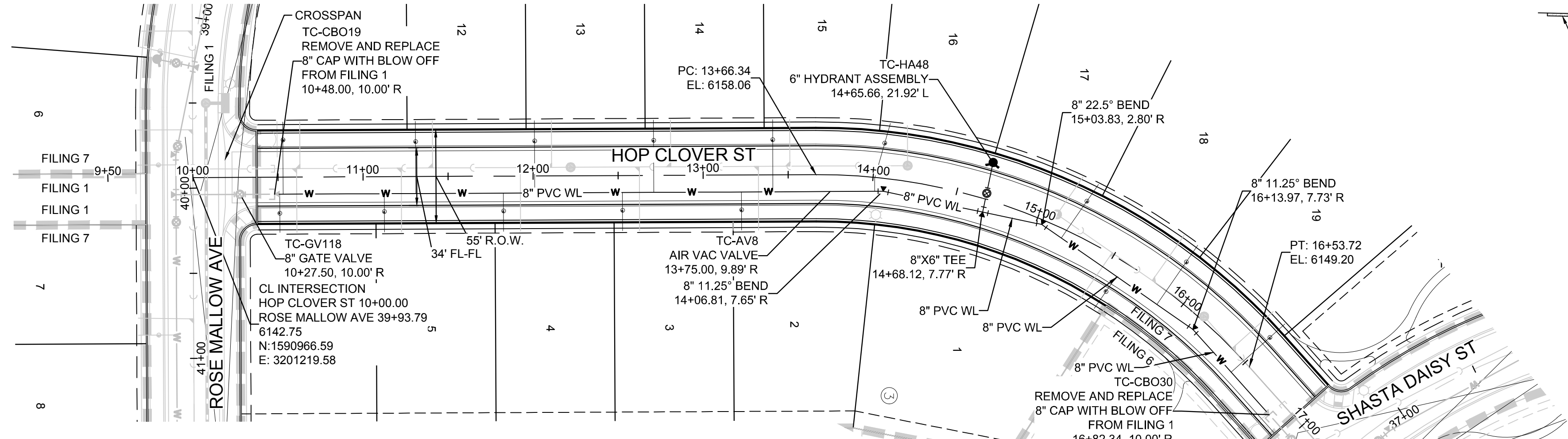
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SHEET NUMBER	DRAWN BY: KJD	SCALE: AS SHOWN	CHECKED BY: JJ	DATE: AUGUST 2017	FILE NO: 8130283701	NO.	REVISIONS	APPR.	DATE
								INIT.	DATE
6									

10333 E. Dry Creek Rd.
Suite 6410
Englewood, CO 80150
Tel: (720) 482-9526
Fax: (720) 482-9548

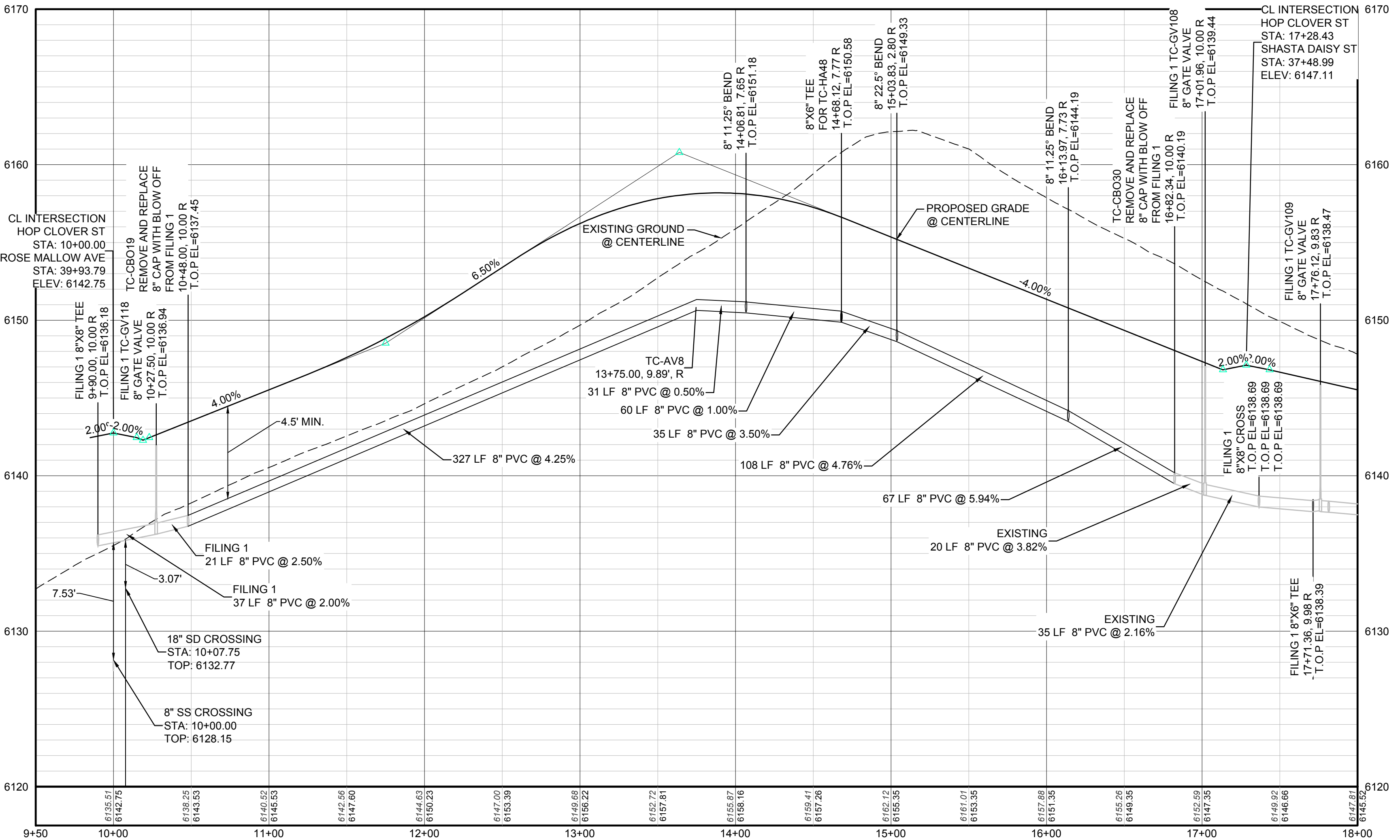
HR 935 LLC
7353 South Alton Way
CENTENNIAL, CO 80112

TRAILS AT CROWFOOT
FILING 7 CONSTRUCTION DRAWINGS
SANITARY SEWER PLAN AND PROFILE
HOP CLOVER STREET



LEGEND

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PREPARED UNDER THE SUPERVISION OF
BRIAN P. WILSON
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DRAWN BY: RHR	SCALE:	AS SHOWN	FILE NO: 8130283701	DATE: AUGUST 2017	SHEET NUMBER 8	NO.	Revisions	Date	Appr.	Date
	CHECKED BY: JU									

10339 E. Dry Creek Rd.
Suite 6110
Englewood, CO 80150
Tel: (720) 482-9526
Fax: (720) 482-9546

HR 935 LLC
7353 South Alton Way
CENTENNIAL, CO 80112

TRAILS AT CROWFOOT
FILING 7 CONSTRUCTION DRAWINGS
WATER PLAN & PROFILE
HOP CLOVER STREET

INSPECTION POLICY:

1. ALL SERVICE INSPECTIONS MUST BE SCHEDULED WITH THE DISTRICT OFFICE 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.

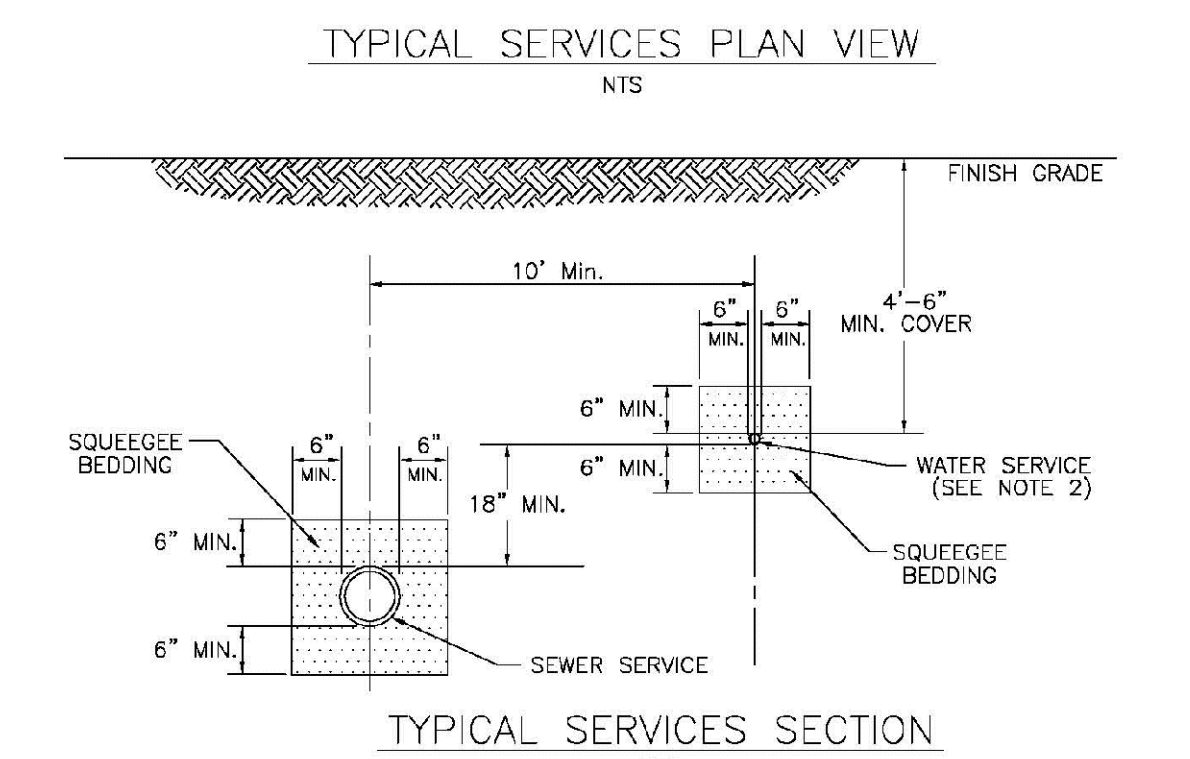
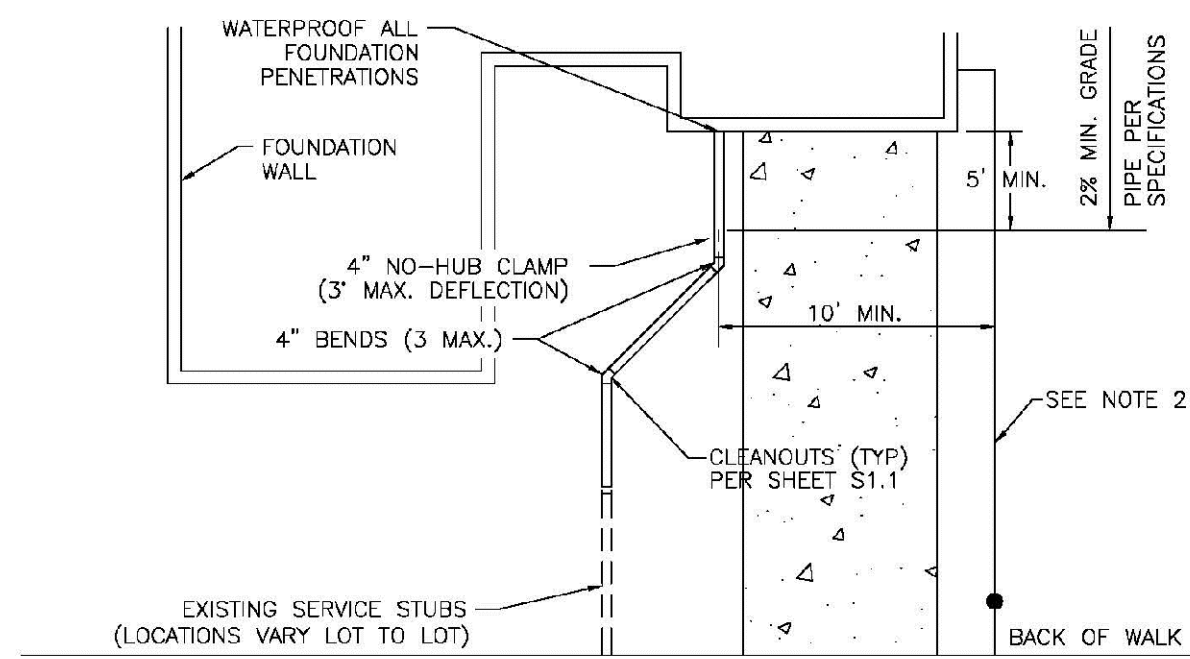
INSTALLATION NOTES:

- SEWER**
1. ACCEPTABLE PIPE MATERIALS ARE TO BE SDR 35 PVC PIPE, ABS PIPE AND PVC SCHD 40 PIPE. APPROVED BEDDING IS TO BE SOLGEEGE.
 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 INCLUDE NO 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 OF THE PIPE BETWEEN FITTINGS WILL NOT BE ALLOWED.
 7. SEWER SERVICE LINE SHALL NOT BE LOCATED UNDER CONCRETE SURFACE.
 8. ALL SERVICES WILL BE PERMANENTLY MARKED ON CURB FACE AS FOLLOWS:
"X" FOR SANITARY SEWER SERVICE
"V" FOR WATER SERVICES

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

SCALE:	NONE	DATE:	2/98
APPROVED:	PVR	01/02	10/16
		1/08	
DIRECTOR OF ENGINEERING		1/16	

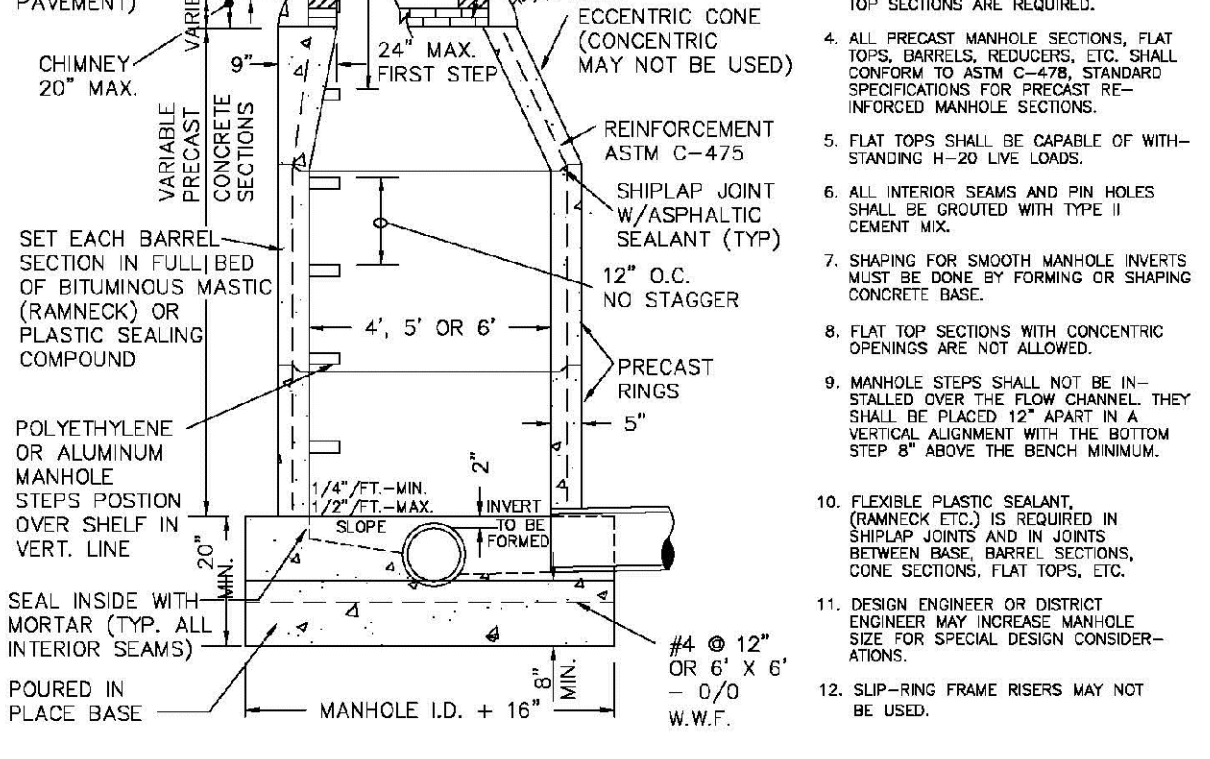
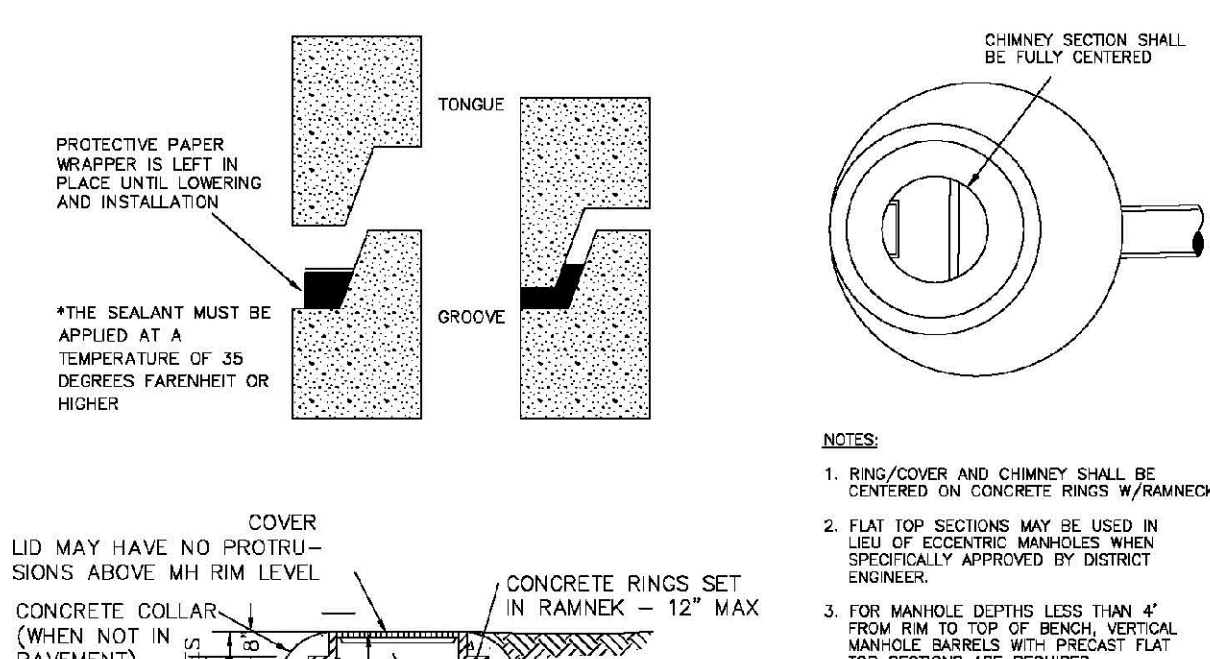
SHEET S1.1



PARKER WATER & SANITATION DISTRICT
TYPICAL SEWER SERVICES

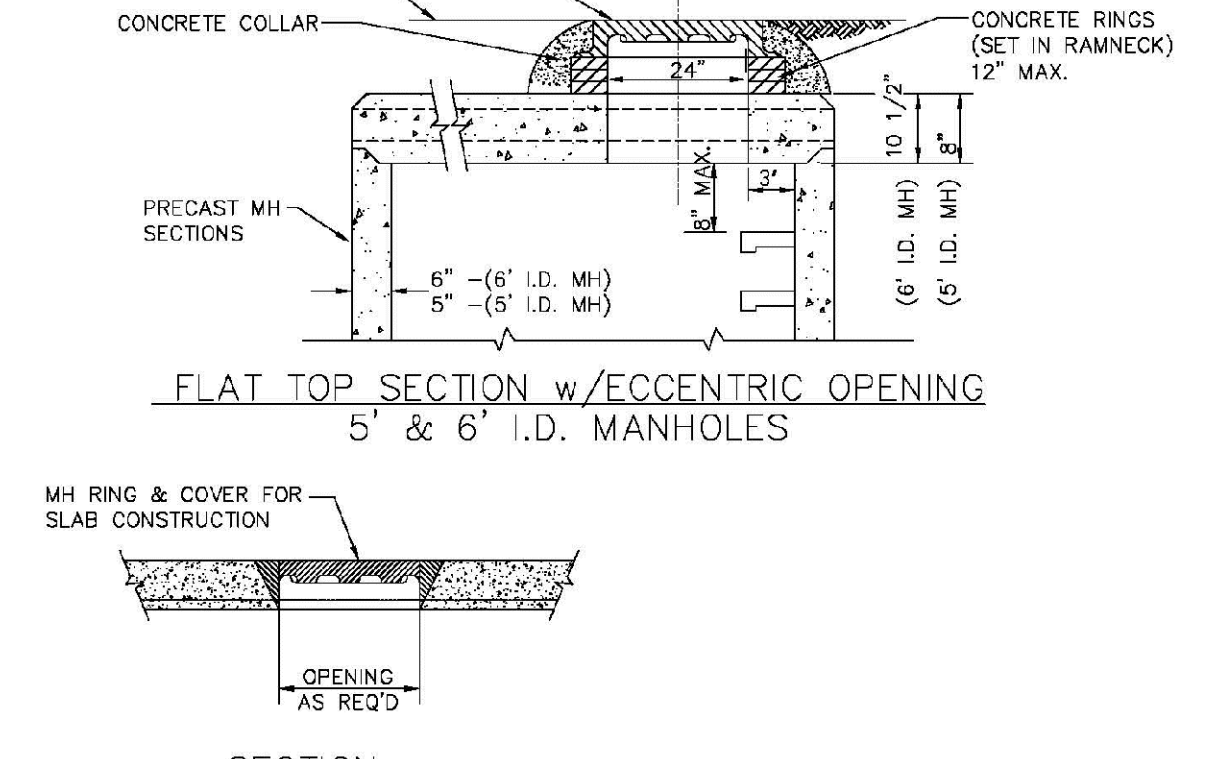
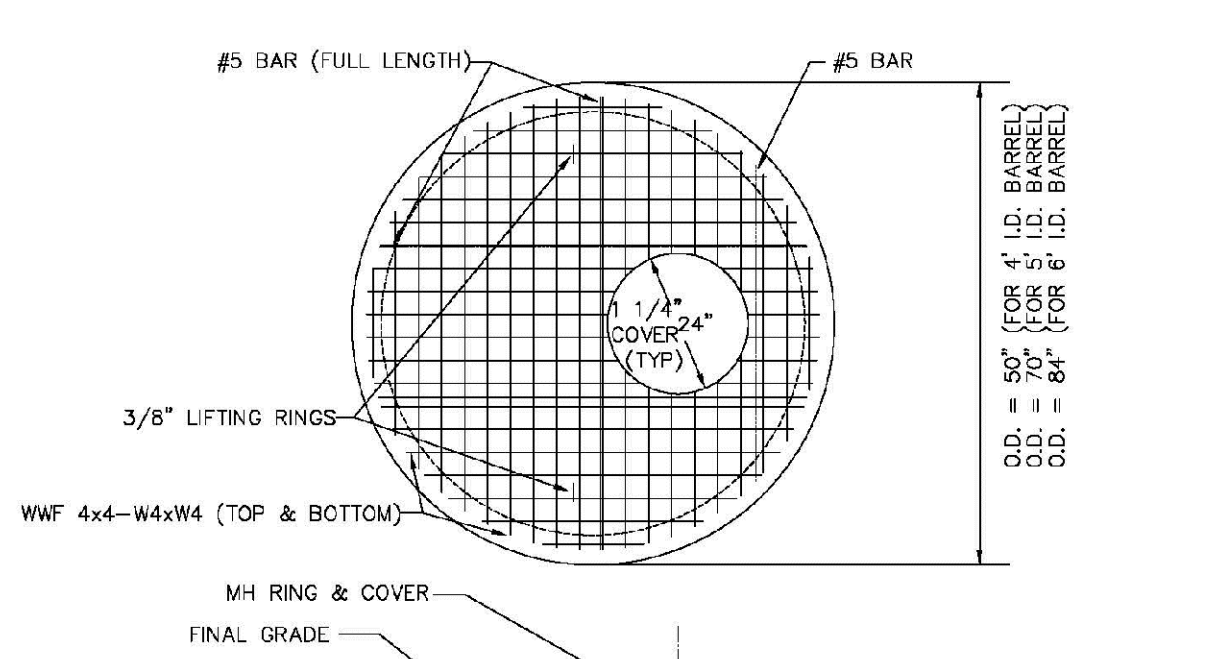
SCALE:	NONE	DATE:	2/98
APPROVED:	PVR	2/90	01/02
		01/16	
DIRECTOR OF ENGINEERING		10/16	

SHEET S1.2



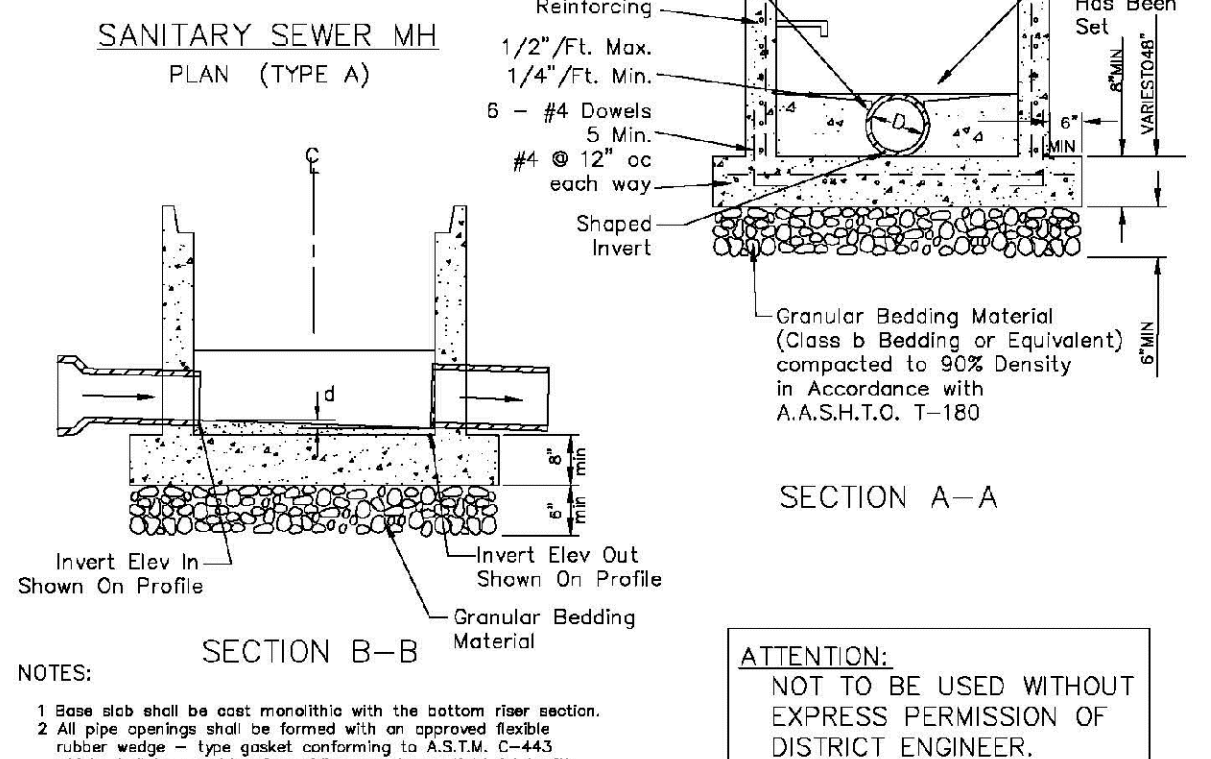
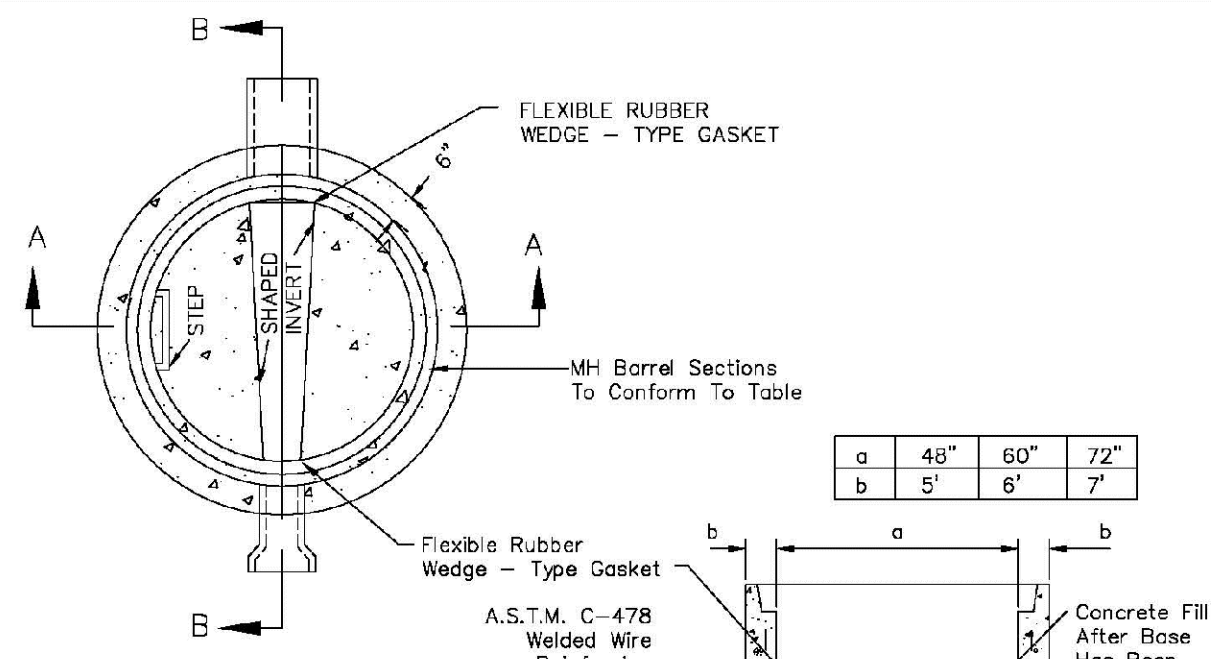
PIPE I.D.	MANHOLE I.D.
18" & SMALLER	4"-0"
21" to 48"	5"-0"
54"	5"-0"
60" & LARGER	SPECIAL DESIGN

SHEET S3.1



SCALE:	NONE	DATE:	2/98
APPROVED:	PVR	01/02	10/16
		10/16	
DIRECTOR OF ENGINEERING			

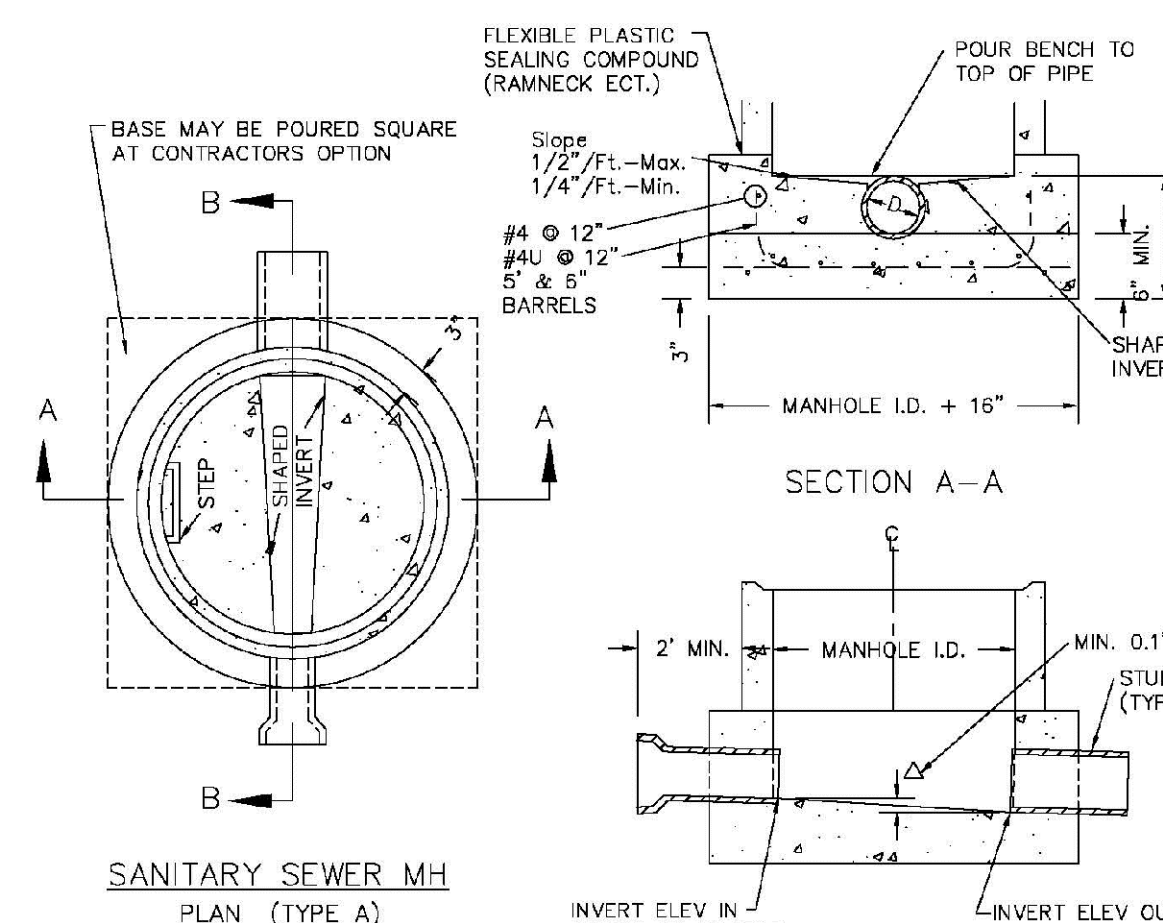
SHEET S3.3



PARKER WATER & SANITATION DISTRICT
PRECAST MANHOLE BASE DETAIL

SCALE:	NONE	DATE:	2/98
APPROVED:	PVR	01/02	10/16
		10/16	
DIRECTOR OF ENGINEERING			

SHEET S3.4

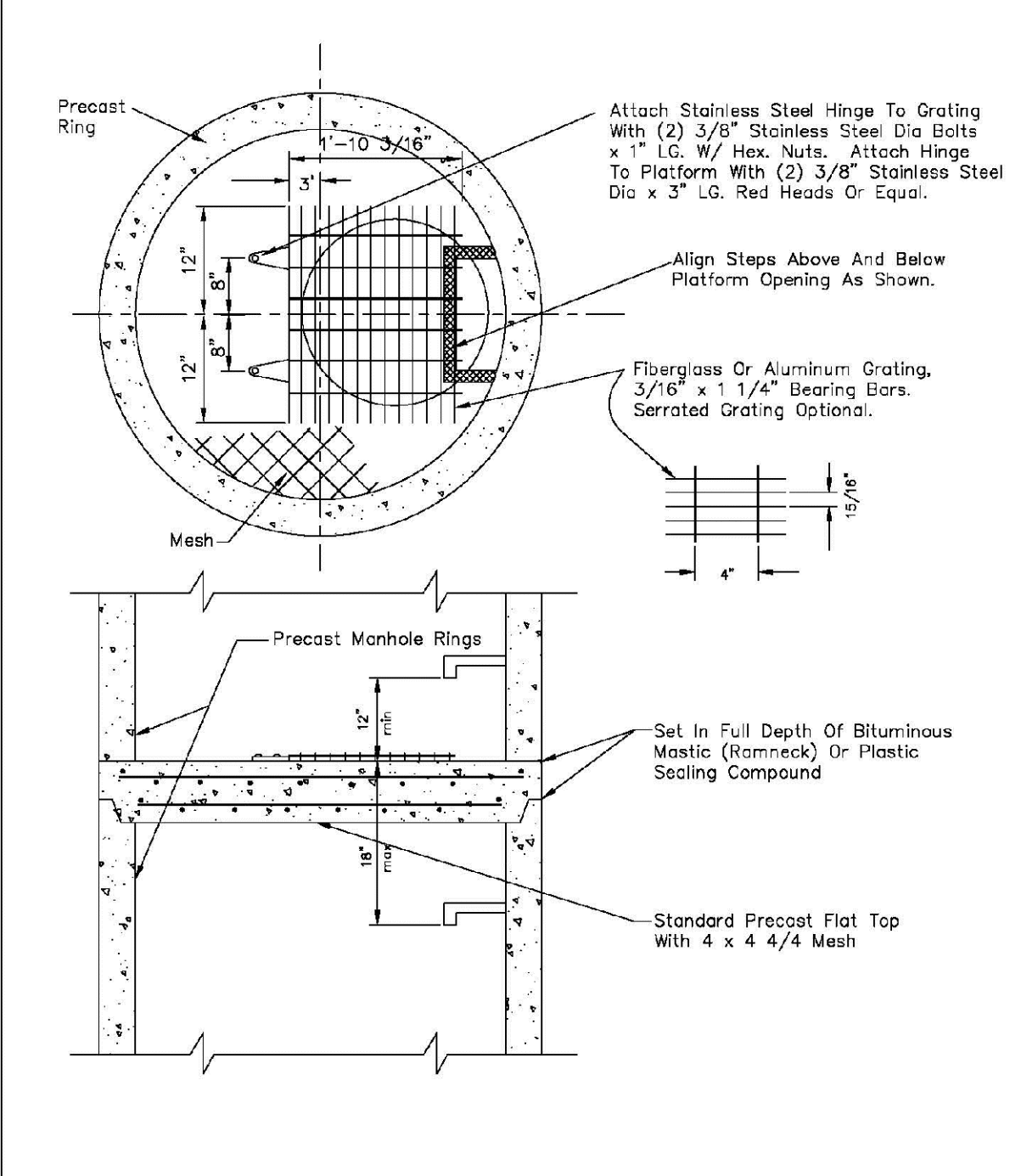


- NOTES:**
1. Manhole barrel min. thickness to be 5".
 2. Shaping for smooth manhole inverts may be done by forming or shaping with cement mortar (San. Sewer).
 3. The manhole steps shall conform to District Standards and Specifications.
 4. Precast sections to conform to A.S.T.M. C-478.
 5. All dead-end manholes, that call out a stub out, shall be thru at 0.40% minimum slope.
 6. Stub outs shall extend 2'-3" minimum past manhole O.D. and be satisfactorily plugged.
 7. Reinforcing in base required for manhole.
 8. Slope of bench = 1/2" / FT. - Max. 1/4" / FT. - Min.
 9. Δ = Invert drop thru MH (If Δ > 18", outside drop MH required). Min. D.1 for all straight through MH and 0.2" for all angled MH.

PARKER WATER & SANITATION DISTRICT
CAST-IN-PLACE MANHOLE BASE DETAIL

SCALE:	NONE	DATE:	2/98
APPROVED:	PVR	01/02	01/16
		01/16	10/16
DIRECTOR OF ENGINEERING			

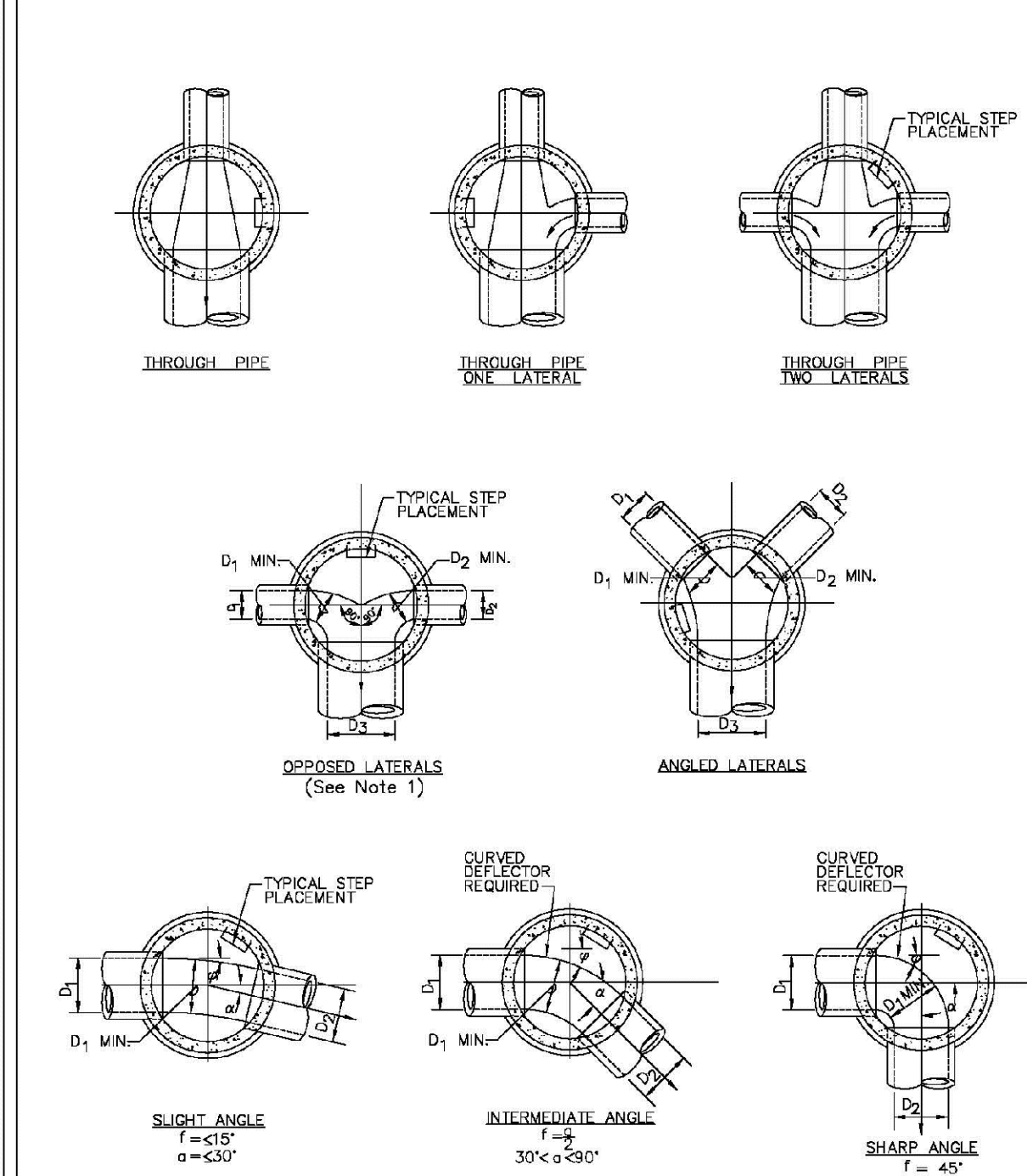
SHEET S3.5



PARKER WATER & SANITATION DISTRICT
INTERMEDIATE PLATFORM FOR MANHOLES OVER 20' DEPTH

SCALE:	NONE	DATE:	2/98
APPROVED:	PVR	2/90	1/16
		10/16	
DIRECTOR OF ENGINEERING			

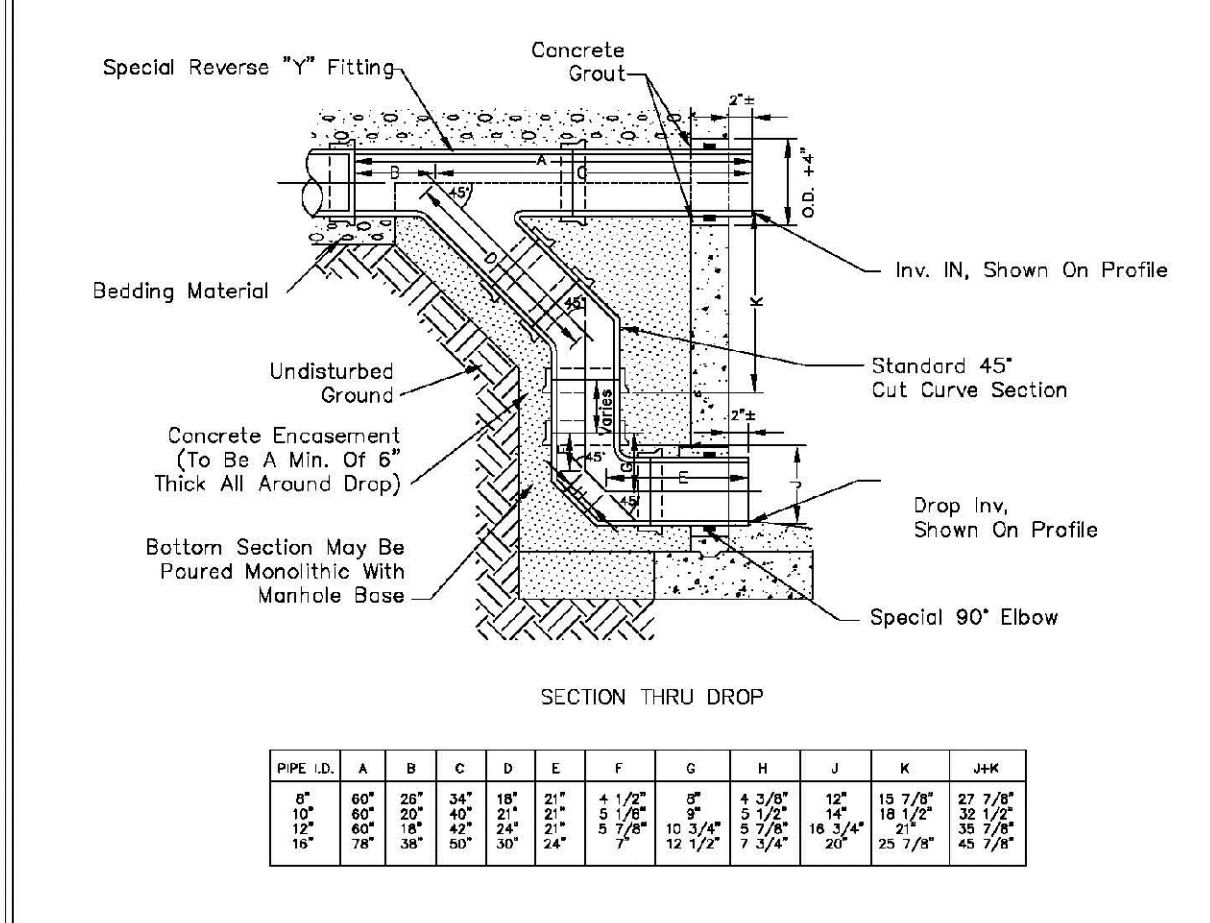
SHEET S3.6



PARKER WATER & SANITATION DISTRICT
TYPICAL BASE CHANNELIZATION DETAILS

SCALE:	NONE	DATE:	2/98
APPROVED:	PVR	01/16	10/16
DIRECTOR OF ENGINEERING			

SHEET S3.7

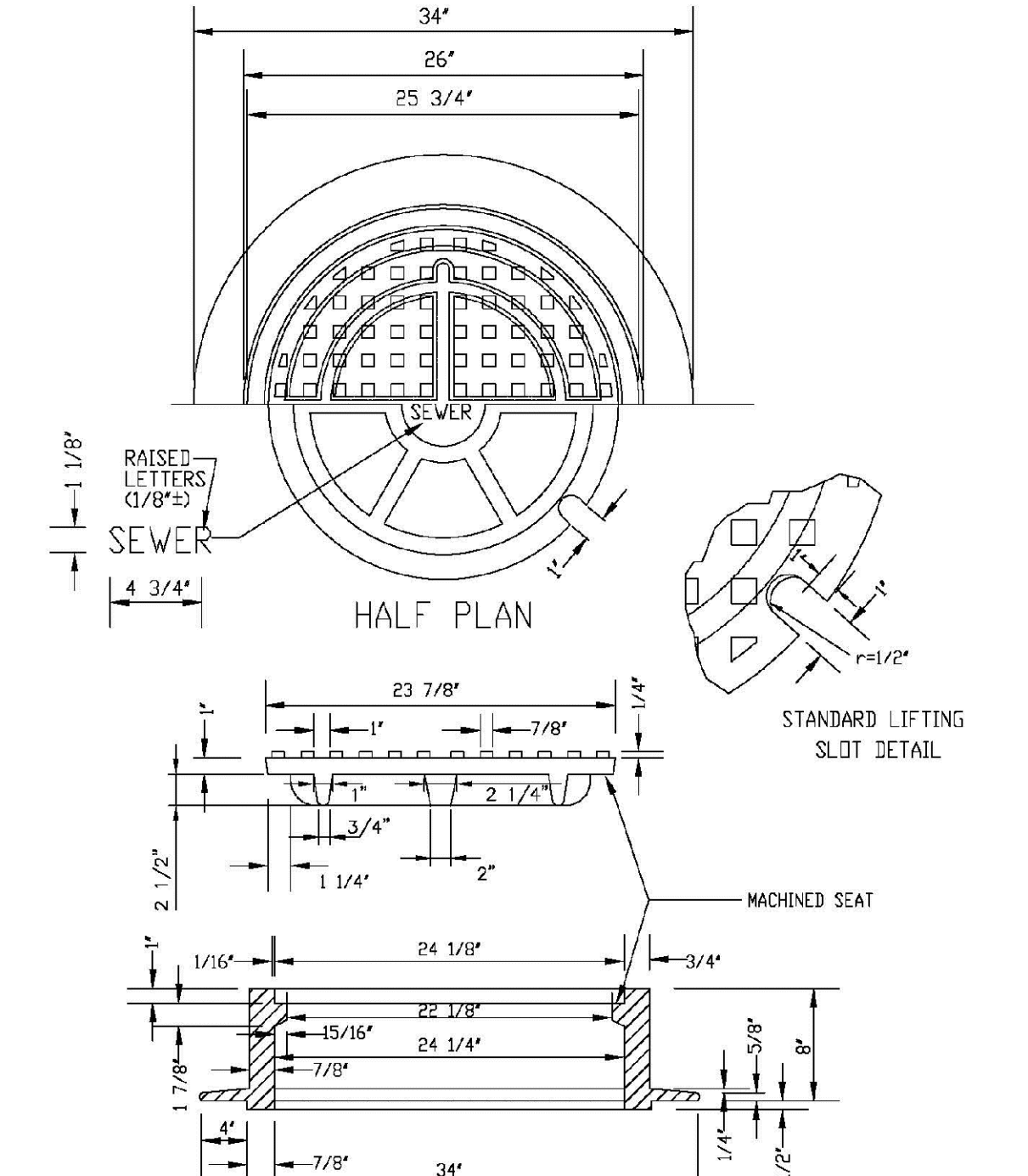


PIPE I.D.	A	B	C	D	E	F	G	H	J	K	MIN.
18" & SMALLER	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"	4"
21" to 48"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"
54"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"	5"
60" & LARGER	SPECIAL DESIGN	SPECIAL DESIGN	SPECIAL DESIGN	SPECIAL DESIGN	SPECIAL DESIGN	SPECIAL DESIGN	SPECIAL DESIGN	SPECIAL DESIGN	SPECIAL DESIGN	SPECIAL DESIGN	SPECIAL DESIGN

PARKER WATER & SANITATION DISTRICT
OUTSIDE DROP MANHOLE CONSTRUCTION

SCALE:	NONE	DATE:	2/98
APPROVED:	PVR	01/16	10/16
DIRECTOR OF ENGINEERING			

SHEET S3.8



PARKER WATER & SANITATION DISTRICT
24" DIAMETER RING AND COVER

SCALE:	NONE	DATE:	2/98
APPROVED:	PVR	01/16	10/16
DIRECTOR OF ENGINEERING			

SHEET S3.9

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LITVINYI NOTIFICATION CENTER OF COLORADO

DATE:	AUGUST 2017
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FILE NO.:	8130283701
SCALE:	AS SHOWN
DRAWN BY:	JF
SHEET NUMBER:	9
TRAILS AT CROWFOOT	FILE NO. 7353 South Alton Way CENTENNIAL, CO 80112
HR 935 LLC	10335 E. Dry Creek Rd. Suite 6410 Englewood, CO 80152 Tel: (720) 482-9526 Fax: (720) 482-9548
SANITARY SEWER DETAILS	
DATE:	
NO.	
REVISIONS	
DATE:	
INIT.	
APPR.	
DATE:	

ALUMINUM STEP

CONCRETE WALL SECTION

STEPS TO BE HOOKED BEHIND REINFORCING WHEN CONCRETE SECTIONS ARE CAST.

VERTICAL SPACING 12" MIN. 16" MAX. WITH BOTTOM STEP 6" ABOVE BENCH

REINFORCING

TYPICAL INSTALLATION

TOE POCKET DETAILS

STANDARD EXTRUDED ALUMINUM MANHOLE STEP

ALUMINUM STEP

VARIABLE, 16" MAX. (MAX. SPACING BETWEEN TOE POCKETS=16")

NOTES:

- ALUMINUM ALLOY SPECIFICATIONS:
 - FED. SPEC. QQ-A-200/9 (ALUMINUM-MAGNESIUM-SILICATE ALLOY)
 - MINIMUM TENSILE STRENGTH=38,000 p.s.i.
 - MINIMUM YIELD STRENGTH=35,000 p.s.i.
 - MINIMUM ELONGATION=10% IN 2
- MINIMUM LOAD CAPACITY (APPLIED AT CENTER OF STEP)
 - 1,000 lb. WITH 4" PROJECTION FROM WALL
 - 1,500 lb. WITH 4" PROJECTION FROM WALL
- WEIGHT PER STEP=2.3 POUNDS
- STEPS TO BE CAST, UNALTERED, IN MANHOLE WALL IN STRAIGHT LINE, VERTICALLY, AT THE SAME TIME THE BARREL OR CONE SECTIONS ARE CAST.
- VERTICAL SPACING BETWEEN STEPS SHALL BE CONSISTENT IN EACH INDIVIDUAL MANHOLE.
- TOE POCKETS ARE REQUIRED IN STORM SEWER MANHOLES IF TOP OF BENCH IS MORE THAN 18" ABOVE INVERT. TOE POCKETS ARE NOT REQUIRED IN SANITARY SEWER MANHOLES UNLESS OTHERWISE SPECIFIED.

SCALE: NONE DATE: 2/98

APPROVED: PVR 01/16 10/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
STANDARD EXTRUDED ALUMINUM MANHOLE STEP

SHEET 53.10

POLYPROPYLENE REINFORCED PLASTIC STEP

NOTES:

- THE CAST ALUMINUM MANHOLE STEP SHALL BE USED WHEN SPECIFIED ON THE DRAWINGS.
- ALUMINUM ALLOY SPECIFICATIONS:
 - ALLOY DESIGNATION: 6061 T6
 - MIN. TENSILE STRENGTH: 40 K.S.I.
 - MIN. YIELD STRENGTH: 20 K.S.I.
 - MIN. SHEAR STRENGTH: 27.45 K.S.I.
 - ELONGATION: 10% IN 2
 - BRINELL HARDNESS: 70
- MINIMUM LOAD CAPACITY, STEP SPACING AND ALIGNMENT: TOE POCKET DETAILS AND OTHER APPLICABLE NOTES OR DETAILS SPECIFIED FOR EXTRUDED ALUMINUM MANHOLE STEP SHALL ALSO APPLY TO THIS STANDARD.
- MIN. WT. = 2.0 LB.

SCALE: NONE DATE: 2/98

APPROVED: PVR 01/16 10/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
POLYPROPYLENE REINFORCED PLASTIC MANHOLE STEP

SHEET 53.11

CAST ALUMINUM MANHOLE STEP

NOTES:

- THE CAST ALUMINUM MANHOLE STEP SHALL BE USED WHEN SPECIFIED ON THE DRAWINGS.
- ALUMINUM ALLOY SPECIFICATIONS:
 - ALLOY DESIGNATION: 6061 T6
 - MIN. TENSILE STRENGTH: 40 K.S.I.
 - MIN. YIELD STRENGTH: 20 K.S.I.
 - MIN. SHEAR STRENGTH: 27.45 K.S.I.
 - ELONGATION: 10% IN 2
 - BRINELL HARDNESS: 70
- MINIMUM LOAD CAPACITY, STEP SPACING AND ALIGNMENT: TOE POCKET DETAILS AND OTHER APPLICABLE NOTES OR DETAILS SPECIFIED FOR EXTRUDED ALUMINUM MANHOLE STEP SHALL ALSO APPLY TO THIS STANDARD.
- MIN. WT. = 2.0 LB.

SCALE: NONE DATE: 2/98

APPROVED: PVR 01/16 10/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
CAST ALUMINUM MANHOLE STEP

SHEET 53.12

MARKER POST DETAIL

CONCRETE CAP

STANDARD 4" STEEL PIPE PAINTED FIRE HYDRANT YELLOW OR 4" X 4" REDWOOD POST

DIRT FILL

GROUND LEVEL

12" CONCRETE

STEEL PIPE STENCILED IDENTIFICATION MARKS ON POSTS SHALL FACE THE APPURTENANCE WITH 2" STENCILS INDICATING TYPE OF APPURTENANCE (MH, 12" VALVE, ETC.) AND THE DISTANCE IN FEET AND INCHES FROM POST.

REDWOOD POST ROUTER LETTERS AND NUMBERS INTO POST. PAINT LETTERS AND NUMBERS BLACK.

SCALE: NONE DATE: 2/98

APPROVED: PVR 01/16 10/16 1/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
MARKER POST DETAIL

SHEET 53.13

TYPICAL TRENCH DETAIL

ASPHALTIC BASE COURSE

ASPHALTIC WEARING SURFACE

ASPHALTIC CONCRETE BASE COURSE

ASPHALTIC CONCRETE WEARING SURFACE

PIPE BEDDING ON SPECIFIED CLASS 'A' OR 'B' BEDDING

PIPE BEDDING ON SPECIFIED CLASS 'A' OR 'B' BEDDING

BACKFILL TO BE PLACED AND COMPACTED IN ACCORDANCE WITH SCHEDULED METHOD SPECIFIED

NOTE: If solid sheeting or shoring is used, it shall be cut off at top of pipe and left in place.

NOTES:

- Slating or benching of trench side walls, where permitted shall be in accordance with applicable Federal, State and Local safety regulations.
- Trench shall be propped and shored as necessary to assure safe working conditions or to protect adjacent utilities, structures, etc. (Unless otherwise specified on the plans, no permanent wall shall be removed, replacement or relocation of curb and gutter, utility, drainage, structures, etc. outside the maximum limits of excavation as shown on the contractor shall be responsible for protection of same.)
- If dimension T_b is $< 5'$, then existing asphalt pavement shall be removed and replaced up to the gutter. Maximum asphalt strip width, B_b & B_c shall then be based upon this actual width.

SCALE: NONE DATE: 2/98

APPROVED: PVR 01/16 10/16 1/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
SEWER TRENCHING AND BEDDING DETAIL

SHEET 54.1

2016 REVISION

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CONCRETE ARCH

Lower limit of sloping or benching of trench walls

Plain or Reinforced Concrete Continuous $f_c = 3500$ psi min.

Densely compacted backfill, hand-tamped (90% density, AASHTO T-180) in open areas and 95% density, AASHTO T-99 in all public R.O.W.

Compacted Granular Material (Class "B" Bedding)

CONCRETE ARCH

Lower limit of sloping or benching of trench walls

Densely compacted backfill (90% density, AASHTO T-180) in open areas and 95% density, AASHTO T-99 in all public R.O.W.

Compacted Granular Material Class "B" Bedding

Plain or Reinforced Concrete Continuous $f_c = 3500$ psi min.

CONCRETE CRADLE

NOTE: The Design Engineer shall be responsible for structural design of the concrete cradle and/or concrete arch.

TABLE III

NOMINAL DIMENSION (D)	MINIMUM THICKNESS (t)	MIN. WIDTH OF CRADLE (W _c)
18" & smaller	6"	$B_b + 8"$
21" to 24"	6"	$B_b + 8"$
27" to 33"	8"	$B_b + 8"$
36" to 42"	10"	$1.25 B_b$
48" & larger	1/4 D	$1.25 B_b$

SCALE: NONE DATE: 2/98

APPROVED: PVR 01/16 10/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
TRENCHING AND BEDDING DETAIL - CLASS "A"

SHEET 54.2

CLASS "B" BEDDING

LIMIT OF SLOPING OR BENCHING OF TRENCH WALLS

TRENCH BACKFILL MATERIAL, HAND-TAMPED IN 6" LIFTS

GRANULAR CLASS "B" BEDDING (SEE NOTE 1)

PIPE O.D.

IDEAL TRENCH CONDITIONS LARGER THAN 12" DIA.

TABLE IV

PIPE SIZE - D	MIN. DEPTH OF BEDDING MATL. BELOW BOTTOM OF PIPE
18" & SMALLER	6"
21" TO 36"	6"
42" TO 60"	6"
66" TO 96"	8"
104" & LARGER	12"

NOTE: 1. FOR ARCH OR ELLIPTICAL PIPE, D=SPAN DIMENSION

NOTE: 3.1 BELL HOLES SHALL BE EXCAVATED AT ALL BELL AND SPOT JOINTS.

3.2 BEDDING TRENCH BACKFILL TO BE COMPACTED TO 90% DENSITY, AASHTO T-99 IN OPEN AREAS AND 95% DENSITY AASHTO T-99 IN ALL PUBLIC R.O.W.

SCALE: NONE DATE: 2/98

APPROVED: PVR 01/16 10/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
TRENCHING AND BEDDING DETAIL - CLASS "B"

SHEET 54.3

ROCK EXCAVATION

HAND-TAMPED BACKFILL (TYP) FOR SIZE 18" AND LARGER

GRANULAR CLASS "B" BEDDING MATERIAL, HAND-TAMPED IN 6" LIFTS

ROCK EXCAVATION

TABLE IV

PIPE SIZE - D	MIN. DEPTH OF BEDDING MATL. BELOW BOTTOM OF PIPE
18" & SMALLER	6"
21" TO 36"	6"
42" TO 60"	6"
66" TO 96"	8"
104" & LARGER	12"

NOTE: 1. FOR ARCH OR ELLIPTICAL PIPE, D=SPAN DIMENSION

NOTE: 3.1 BELL HOLES SHALL BE EXCAVATED AT ALL BELL AND SPOT JOINTS.

3.2 BEDDING TRENCH BACKFILL TO BE COMPACTED TO 90% DENSITY, AASHTO T-99 IN OPEN AREAS AND 95% DENSITY AASHTO T-99 IN ALL PUBLIC R.O.W.

SCALE: NONE DATE: 2/98

APPROVED: PVR 01/16 10/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
TRENCHING AND BEDDING DETAIL - CLASS "B"

SHEET 54.4

CLASS "B" BEDDING

HAND-TAMPED BACKFILL (TYP) FOR SIZE 18" AND LARGER

GRANULAR CLASS "B" BEDDING MATERIAL, HAND-TAMPED IN 6" LIFTS

GEOTEXTILE FILTER CLOTH

LARGE STONES, BROKEN CONCRETE, ETC IF REQUIRED

UNSTABLE SUBGRADE CONDITION

TABLE IV

PIPE SIZE - D	MIN. DEPTH OF BEDDING MATL. BELOW BOTTOM OF PIPE
18" & SMALLER	6"
21" TO 36"	6"
42" TO 60"	6"
66" TO 96"	8"
104" & LARGER	12"

NOTE: 1. FOR ARCH OR ELLIPTICAL PIPE, D=SPAN DIMENSION

NOTE: 3.1 BELL HOLES SHALL BE EXCAVATED AT ALL BELL AND SPOT JOINTS.

3.2 BEDDING TRENCH BACKFILL TO BE COMPACTED TO 90% DENSITY, AASHTO T-99 IN OPEN AREAS AND 95% DENSITY AASHTO T-99 IN ALL PUBLIC R.O.W.

SCALE: NONE DATE: 2/98

APPROVED: PVR 01/16 10/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
TRENCHING AND BEDDING DETAIL - CLASS "B"

SHEET 54.5

TYPE I CONCRETE ENCASEMENT FOR SANITARY SEWERS

PROPOSED SEWER OR CONDUIT

FILLER MATERIAL (SEE NOTE 1)

PIER SUPPORT (EACH SIDE, IF REQUIRED. (SEE NOTE 8))

SHORING (SEE NOTE 6)

UNDISTURBED EARTH

HAND EXCAVATION REQUIRED AROUND SANITARY SEWER

CONCRETE ARCH ($f_c = 2000$ PSI)

GENERAL NOTES FOR TYPE I, II, III ENCASEMENT

- CONCRETE TO BE CAST AGAINST UNDISTURBED SOIL OR SHORING. IF OPTIONAL CONSTRUCTION JOINT IS USED, BOTTOM HALF OF ENCASEMENT IS POURED SEPARATELY, A ONE INCH LAYER OF SAND OR MORTAR SHALL BE PLACED BETWEEN BOTTOM OF SANITARY SEWER AND TOP OF CONCRETE.
- LENGTH OF ENCASEMENT FOR:
 - TYPE I & TYPE II ENCASEMENT SHALL EXTEND FULL TRENCH WIDTH EXCAVATED FOR PROPOSED SEWER OR CONDUIT.
 - TYPE III ENCASEMENT SHALL EXTEND AT LEAST 10 FEET EACH SIDE OF WATER MAIN.
 - UNLESS OTHERWISE NOTED ON PLAN/PROFILE DRAWINGS, TYPE I & II ENCASEMENTS NEED NOT BE REINFORCED. REINFORCEMENT, IF REQUIRED, SHALL BE SPECIFIED SEPARATELY ON PLAN AND PROFILE DRAWINGS.
- TYPE I, II OR III ENCASEMENTS ARE REQUIRED UNDER FOLLOWING CONDITIONS:
 - TYPE I OR TYPE II ENCASEMENT SHALL BE REQUIRED FOR SANITARY SEWER CROSSING OVER OR UNDER WATER MAINS.
 - TYPE III ENCASEMENT SHALL BE REQUIRED FOR SANITARY SEWERS CROSSING OVER AS STYROPOL, ETC IF B_b & $B_c \leq 6'$.
 - CONCRETE CLASS "B" BEDDING IF B_b & $B_c > 6'$ (IF B_b & B_c FOR TYPE III ENCASEMENT FOUR CONCRETE ON UNDISTURBED SOIL).
 - SHORING OR SHEETING, IF USED, TO BE CUT OFF AT TOP OF ENCASEMENT.
 - THESE ENCASEMENT DETAILS MAY ALSO BE APPLICABLE FOR CONDUITS OTHER THAN STORM OR SANITARY SEWER INSTALLATIONS.
 - IN CERTAIN SITUATIONS THE REQUIRED DIMENSION T_b IS EXTREMELY LARGE. PIER SUPPORTS ON EACH SIDE OF SANITARY SEWER MAY BE REQUIRED, IF REQUIRED, SUPPORTS SHALL BE SPECIFIED AND DETAILED SEPARATELY ON PLAN AND PROFILE DRAWINGS.

SCALE: NONE DATE: 2/98

APPROVED: JFN 01/16 10/16

DIRECTOR OF ENGINEERING

PARKER WATER & SANITATION DISTRICT
CONCRETE ENCASEMENT TYPE I

SHEET 6

CALL 811
TWO WORKING DAYS
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UNCC 1-800-922-1987
UTILITY NOTIFICATION CENTER OF COLORADO

10333 E. Dry Creek Rd.
Denver, CO 80231
Tel: (720) 482-9526
Fax: (720) 482-9548

HR 935 LLC
7353 South Alton Way
CENTENNIAL, CO 80112

TRAILS AT CROWFOOT
FILMING 7 CONSTRUCTION DRAWINGS
SANITARY SEWER DETAILS

SCALE: AS SHOWN
FILE NO: 8130283701
DATE: AUGUST 2017

DRAWN BY: JF
CHECKED BY: JJ
DATE: AUGUST 2017

SHEET NUMBER 10

Revisions: No. Date Init. Appr. Date

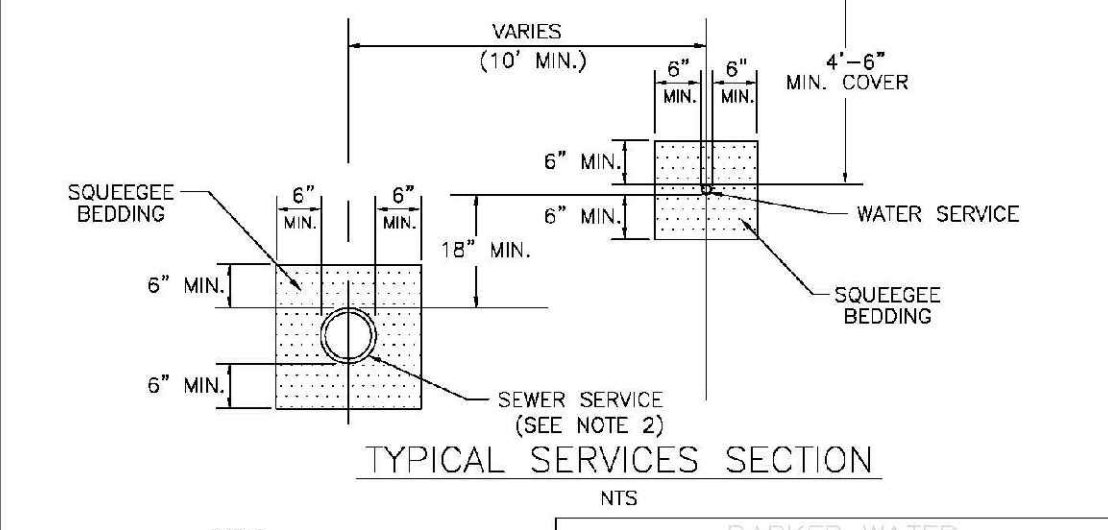
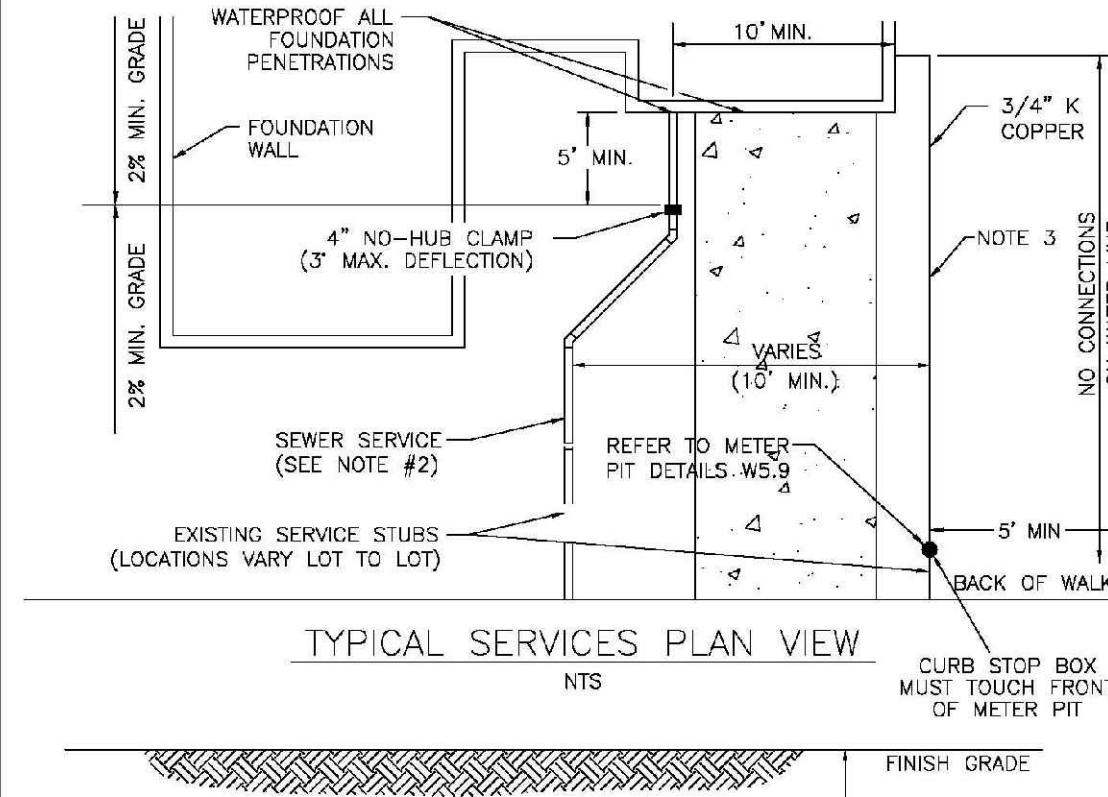
- INSPECTION POLICY:**
1. ALL SERVICE INSPECTIONS MUST BE SCHEDULED AT LEAST 24 HOURS IN ADVANCE OF THE REQUESTED INSPECTION.
 2. SERVICE INSPECTIONS WILL OCCUR BETWEEN 1:00 P.M. AND 3:00 P.M. SPECIFIC INSPECTION TIMES ARE NOT AVAILABLE.
 3. IF THE CONTRACTOR IS NOT READY FOR INSPECTION WHEN THE INSPECTOR ARRIVES AT THE SITE OR SERVICE FAILS, A RE-INSPECTION WILL HAVE TO BE SCHEDULED IN ACCORDANCE WITH NOTES 1 AND 2 ABOVE AND A RE-INSPECTION FEE CHARGED.
 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 OBSERVE. INSPECTORS WILL NOT ENTER ANY EXCAVATIONS TO CHECK 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.
 7. LOTS WITHOUT BUILDING ADDRESSES BEFORE DISTRICT INSPECTION OR METER SET WILL FAIL AUTOMATICALLY.
 8. CONTRACTOR MUST BE PRESENT AT TIME OF INSPECTION, UNLESS COORDINATED WITH DISTRICT INSPECTOR.

- INSTALLATION NOTES:**
- WATER**
1. ACCEPTABLE PIPE MATERIALS SHALL BE K-COPPER TUBING, (3/4" MIN.)
 2. APPROVED BEDDING TO BE SQUEEGEE.
 3. ONLY ONE COUPLING WILL BE ALLOWED BETWEEN THE SUB-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 PWS BEFORE BURIAL. FLARED COUPLINGS WILL BE ALLOWED ON ALL SERVICES 3/4" AND SMALLER.
 4. A WATER SERVICE WHICH CROSSES A SEWER SERVICE CAN DO SO ONLY AT A 45-90° ANGLE. 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. CRAWL SPACE REQUIRES CONTINUOUS COPPER WITH A 1" BURY.
 6. 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.
 7. MOVED CURB BOXES MUST BE INSPECTED BY PWS 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:
"X" FOR SANITARY SEWER SERVICE
"W" FOR WATER SERVICES
 13. NO SPLICES OR FLARED COUPLINGS ALLOWED ON SERVICES LARGER THAN 3/4". SILVER SOLDERED JOINTS MUST BE USED ON SERVICES LARGER THAN 3/4". SILVER SOLDERED JOINTS MUST BE INSPECTED BY PWS 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	1/16
PVR	10/16
DIRECTOR OF ENGINEERING	

2016 REVISION

SHEET W1.1



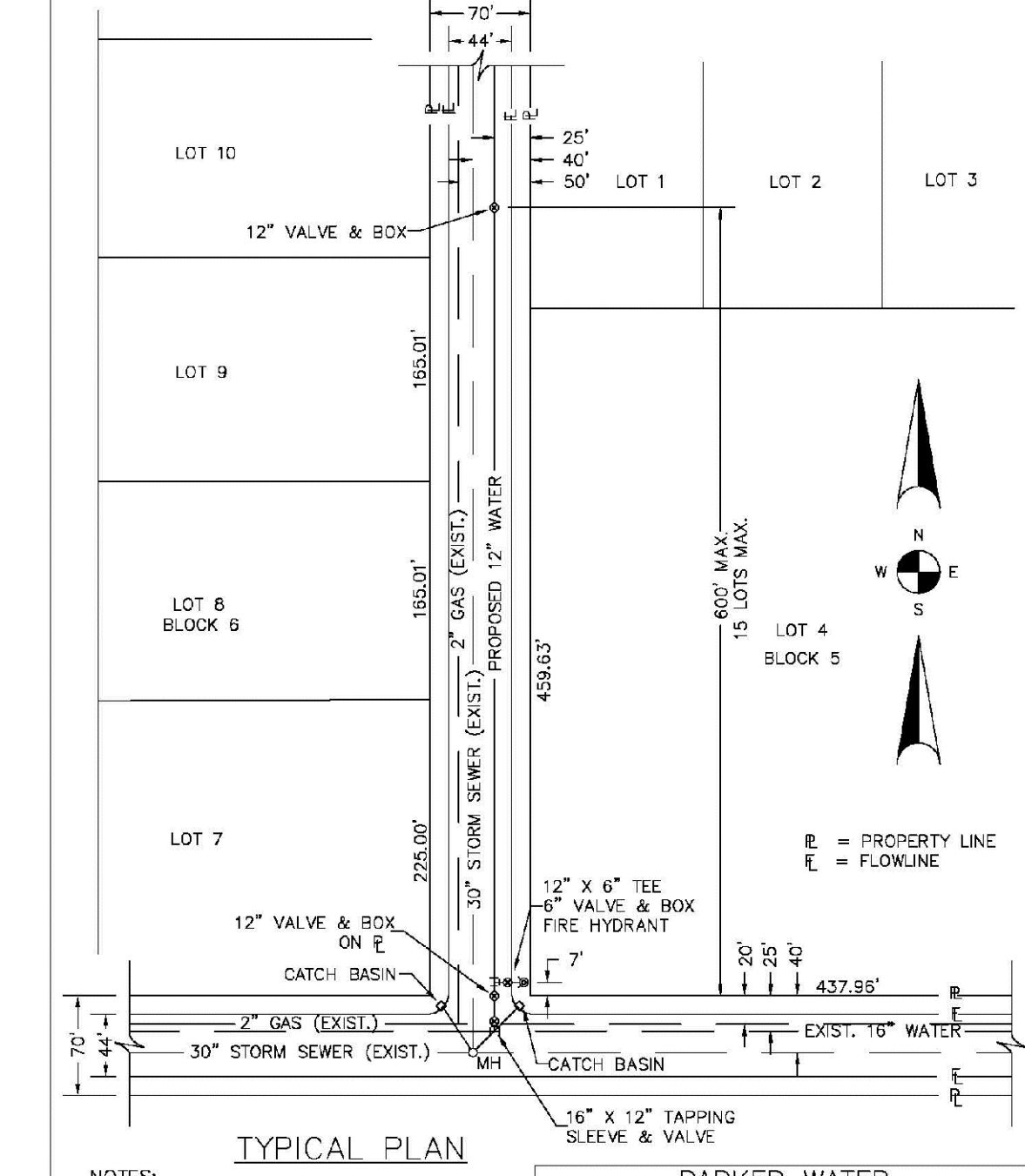
NOTE:

1. SEE SHEET W1.1 FOR DISTRICT POLICIES AND INSTALLATION NOTES.
2. REFER TO SEWER SERVICES DETAIL SHEET S1.2.
3. 4" PVC SLEEVES REQUIRED FOR SERVICE LINES UNDER CONCRETE SURFACE.

PARKER WATER & SANITATION DISTRICT	
TYPICAL WATER SERVICES	
SCALE: NONE	DATE: 2/96
APPROVED: 1/04	10/16
PVR	12/07
DIRECTOR OF ENGINEERING	

2016 REVISION

SHEET W1.2



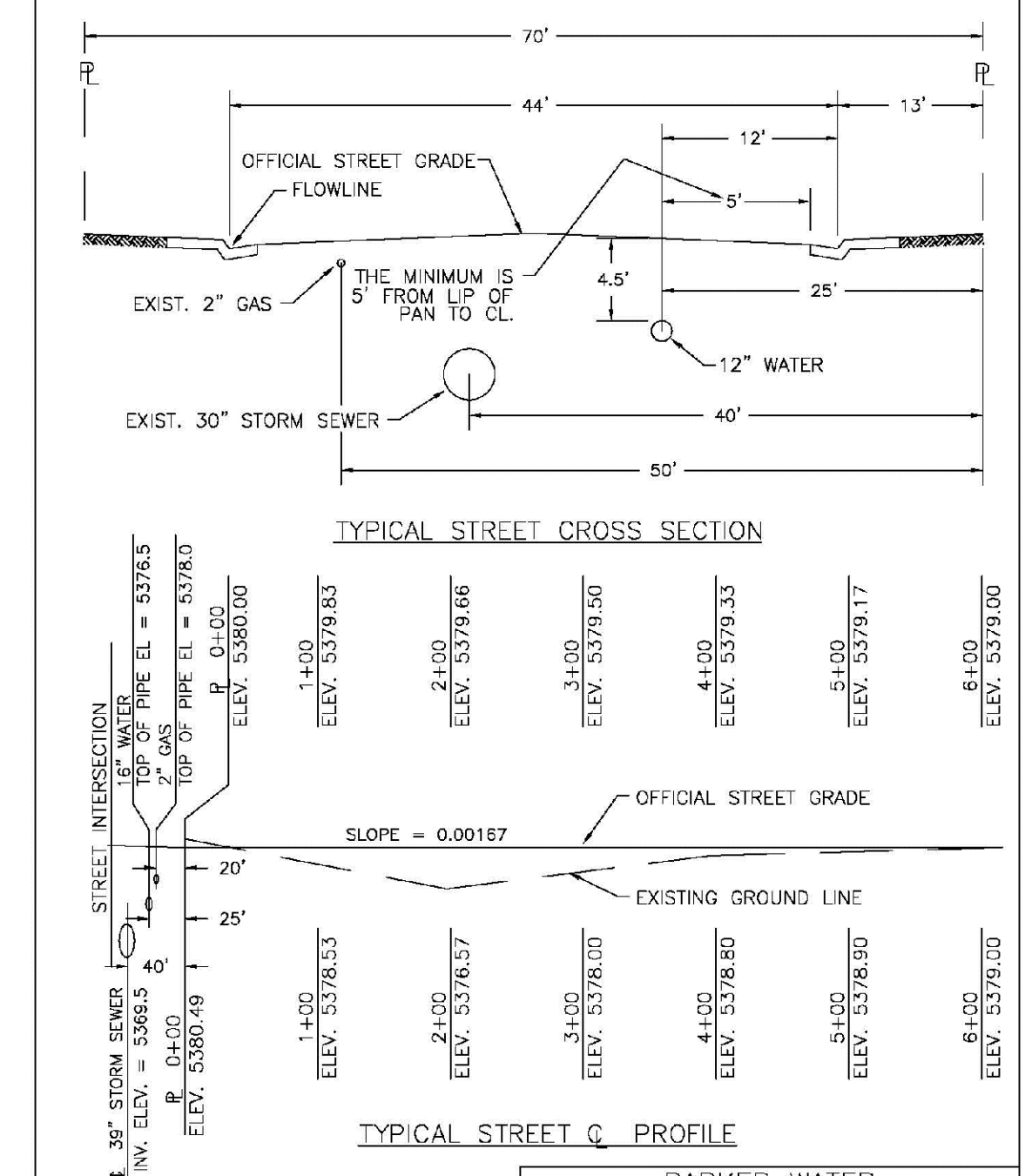
NOTES:

1. SEE "TYPICAL STREET CROSS SECTION - TYPICAL STREET CL PROFILE" DRAWING.
2. ALL FIRE HYDRANTS TO BE LOCATED AT POINTS OTHER THAN CORNER INTERSECTIONS SHALL BE INSTALLED AT A LOT LINE EXTENDED.

PARKER WATER & SANITATION DISTRICT	
WATER DISTRIBUTION SYSTEM TYPICAL PLAN	
SCALE: NONE	DATE: 2/96
APPROVED: 1/16	10/16
PVR	
DIRECTOR OF ENGINEERING	

2016 REVISION

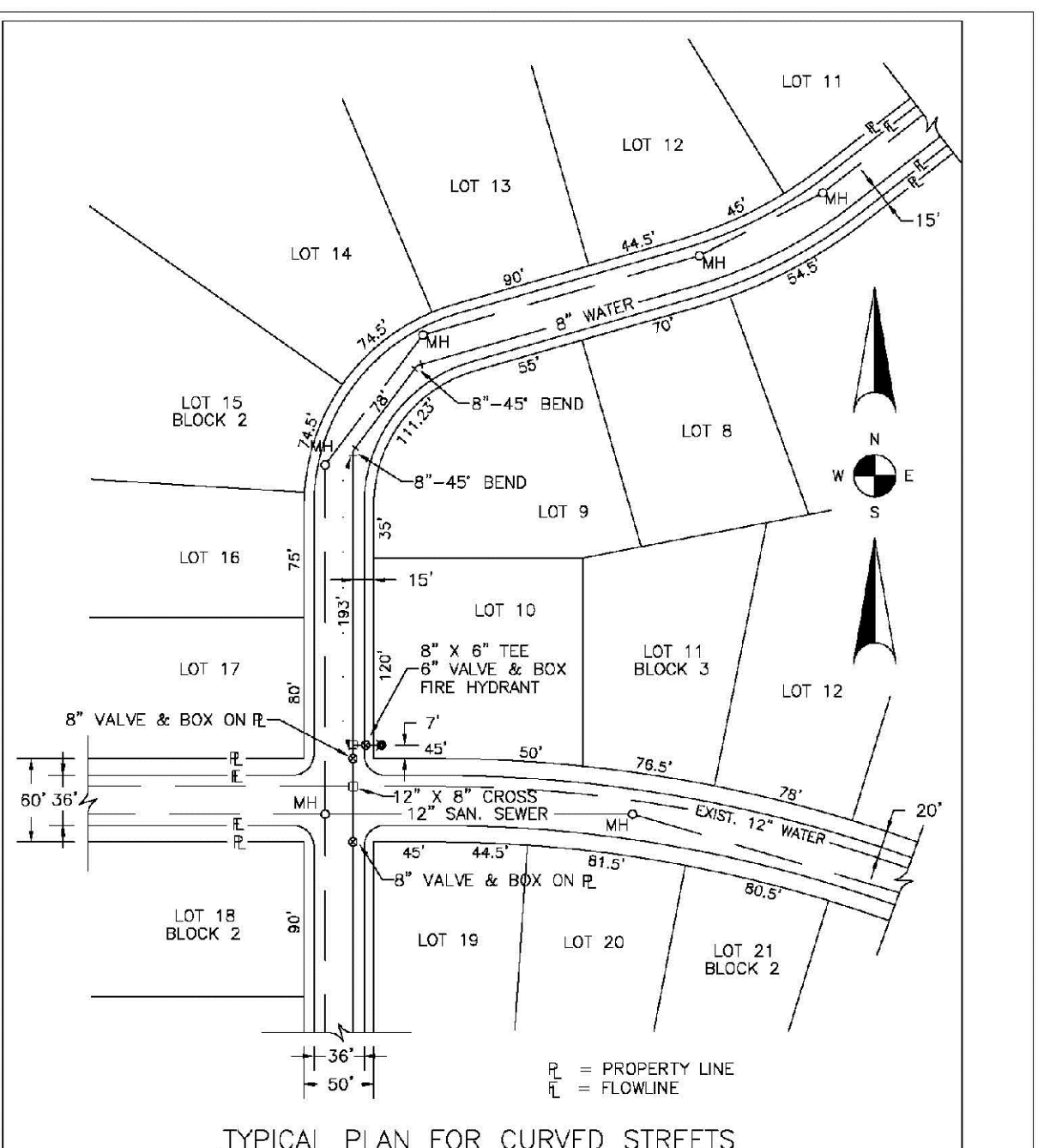
SHEET W2.1



PARKER WATER & SANITATION DISTRICT	
TYPICAL STREET CROSS SECTION	
SCALE: NONE	DATE: 2/96
APPROVED: 1/16	10/16
PVR	
DIRECTOR OF ENGINEERING	

2016 REVISION

SHEET W2.2

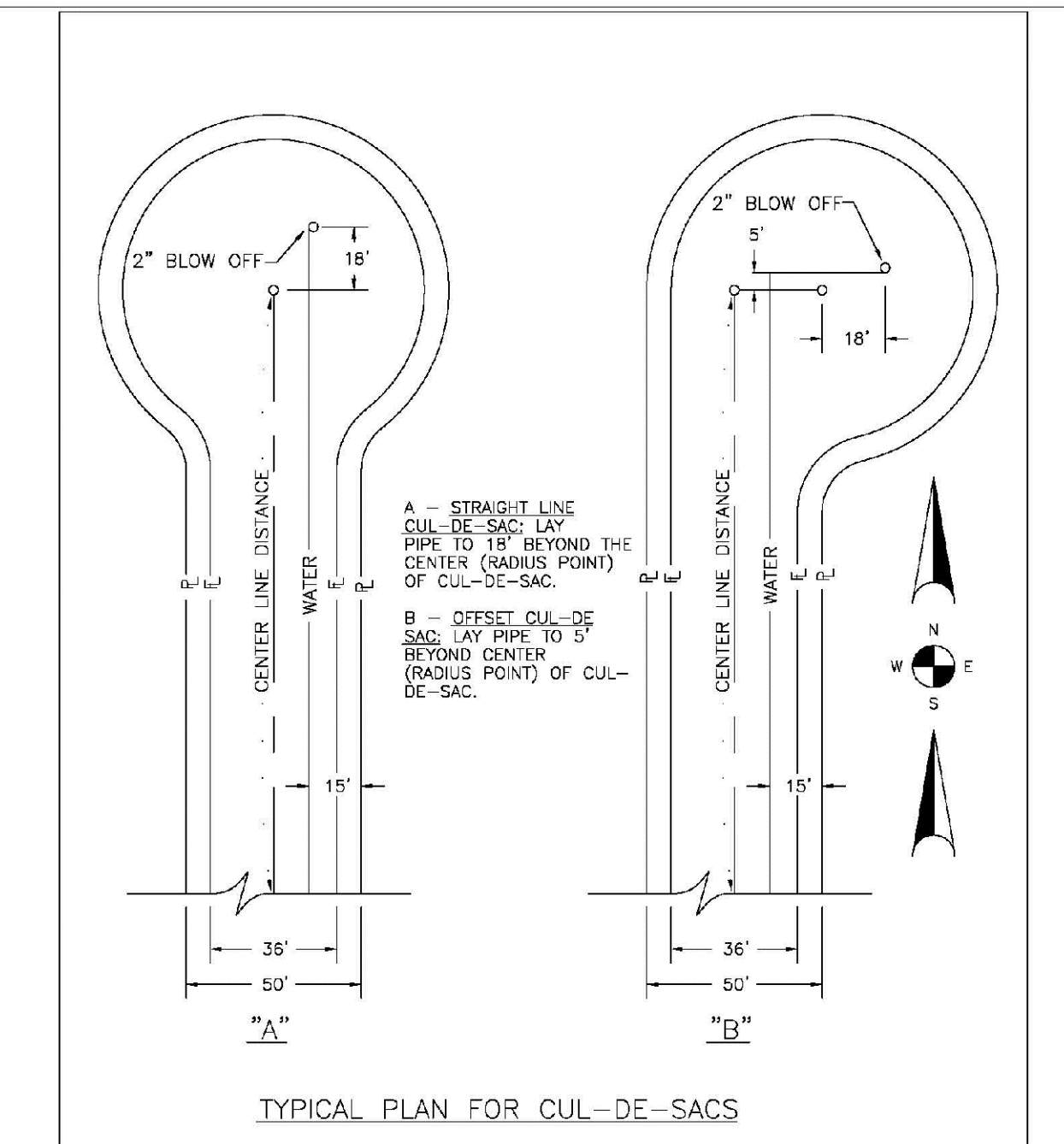


NOTE: WATER AND SEWER MAY NEVER BE CLOSER THAN 10' HORIZONTALLY AND MUST MAINTAIN A MINIMUM OF 5' FROM THE LIP OF PAN ON THE GUTTER.

PARKER WATER & SANITATION DISTRICT	
WATER DISTRIBUTION SYSTEM TYPICAL PLAN FOR CURVED STREETS	
SCALE: NONE	DATE: 2/96
APPROVED: 1/16	10/16
PVR	
DIRECTOR OF ENGINEERING	

2016 REVISION

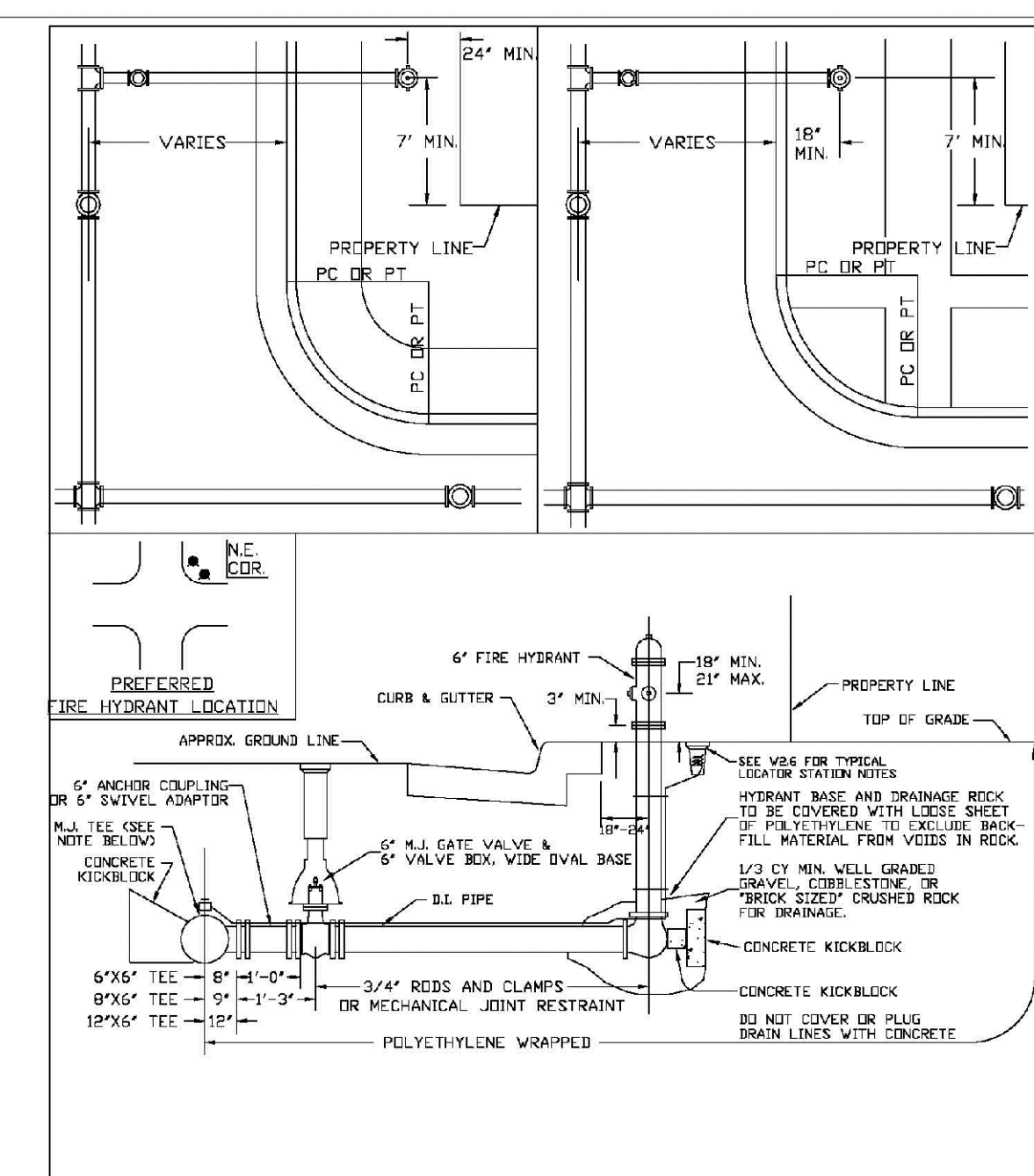
SHEET W3.3



PARKER WATER & SANITATION DISTRICT	
WATER DISTRIBUTION SYSTEM TYPICAL PLAN FOR CUL-DE-SACS	
SCALE: NONE	DATE: 2/96
APPROVED: 1/16	10/16
PVR	
DIRECTOR OF ENGINEERING	

2016 REVISION

SHEET W2.4



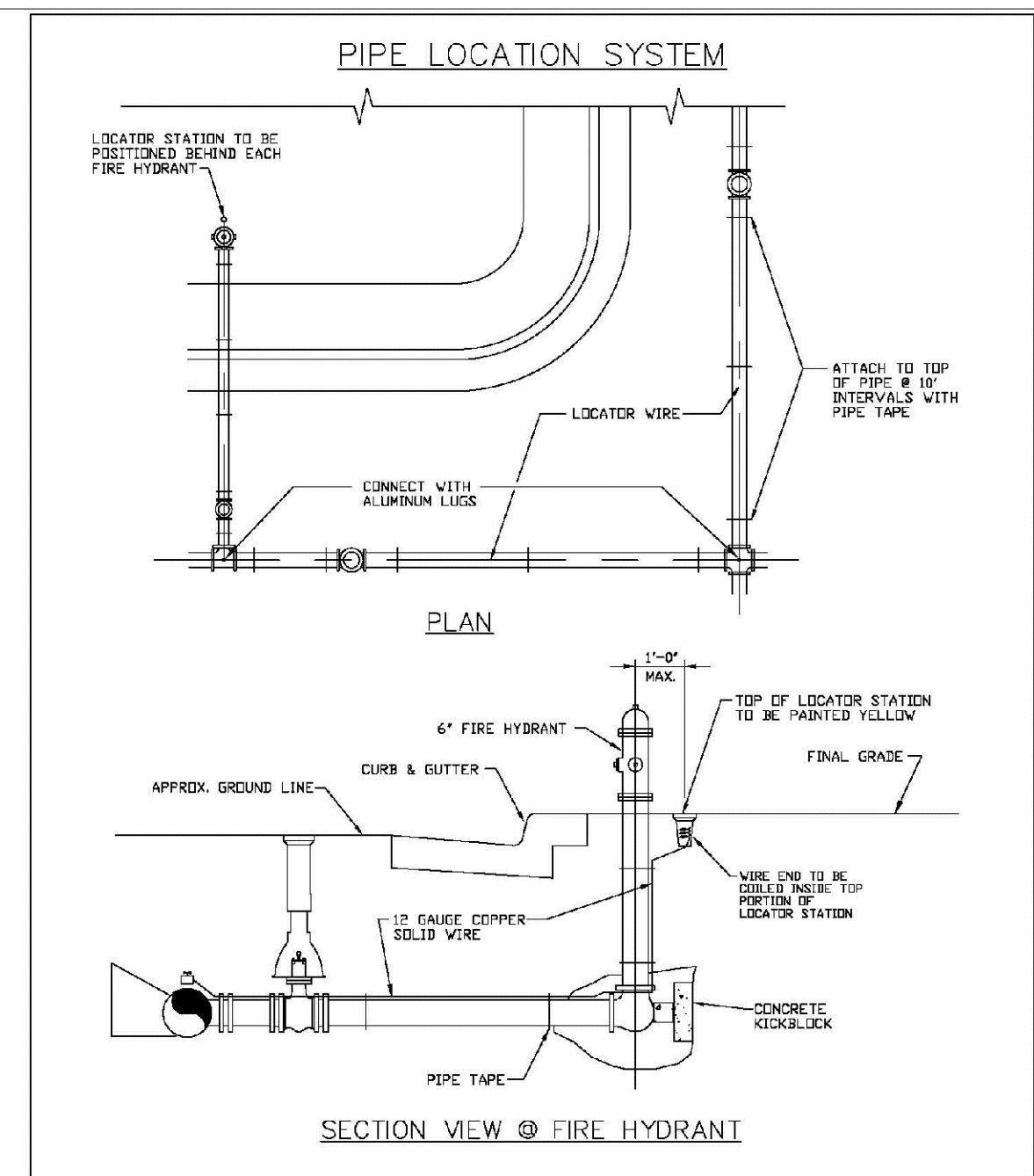
NOTES:

1. ALTERNATE TO FIG ABOVE: FASTEN ALL VALVE DIRECTLY TO A 4" AND/OR 6" HOLE CALLED IN THE 12" BENCH.
2. NO HORIZONTAL OR VERTICAL BONDS ARE ALLOWED IN FIRE HYDRANT BRANCH.
3. A CONTINUITY TEST SHALL BE REQUIRED PRIOR TO COMPLETION ACCEPTANCE.
4. NO PORTION OF FIRE HYDRANT MAY BE UNDER WALKWAY AREA.
5. FIRE HYDRANT EXTENSIONS MAY NOT BE UNDER WALKWAY AREA.

PARKER WATER & SANITATION DISTRICT	
FIRE HYDRANTS LOCATION & INSTALLATION	
SCALE: NONE	DATE: 2/96
APPROVED: 4/01	10/16
PVR	10/27
DIRECTOR OF ENGINEERING	

2016 REVISION

SHEET W3.5



NOTES:

1. FOR USE BY ALL DUCTILE IRON AND PVC WATER MAINS.
2. LOCATOR STATION POSITION MAY BE REQUIR AT THE DIRECTION OF THE DISTRICT ENGINEER.
3. A CONTINUITY TEST SHALL BE REQUIRED PRIOR TO COMPLETION ACCEPTANCE.

PARKER WATER & SANITATION DISTRICT	
LOCATOR WIRE DETAILS	
SCALE: NONE	DATE: 2/96
APPROVED: 4/01	10/16
PVR	10/16
DIRECTOR OF ENGINEERING	

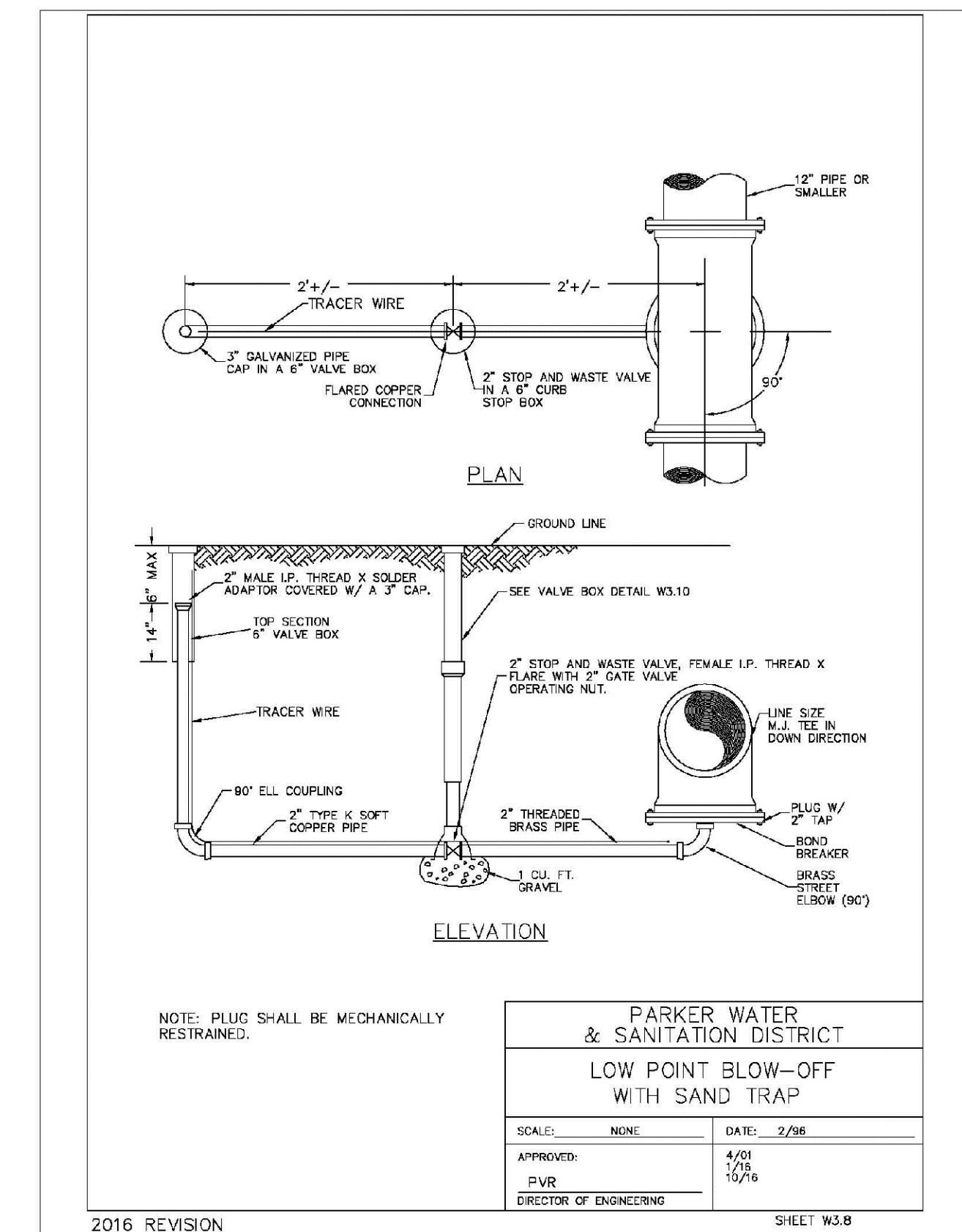
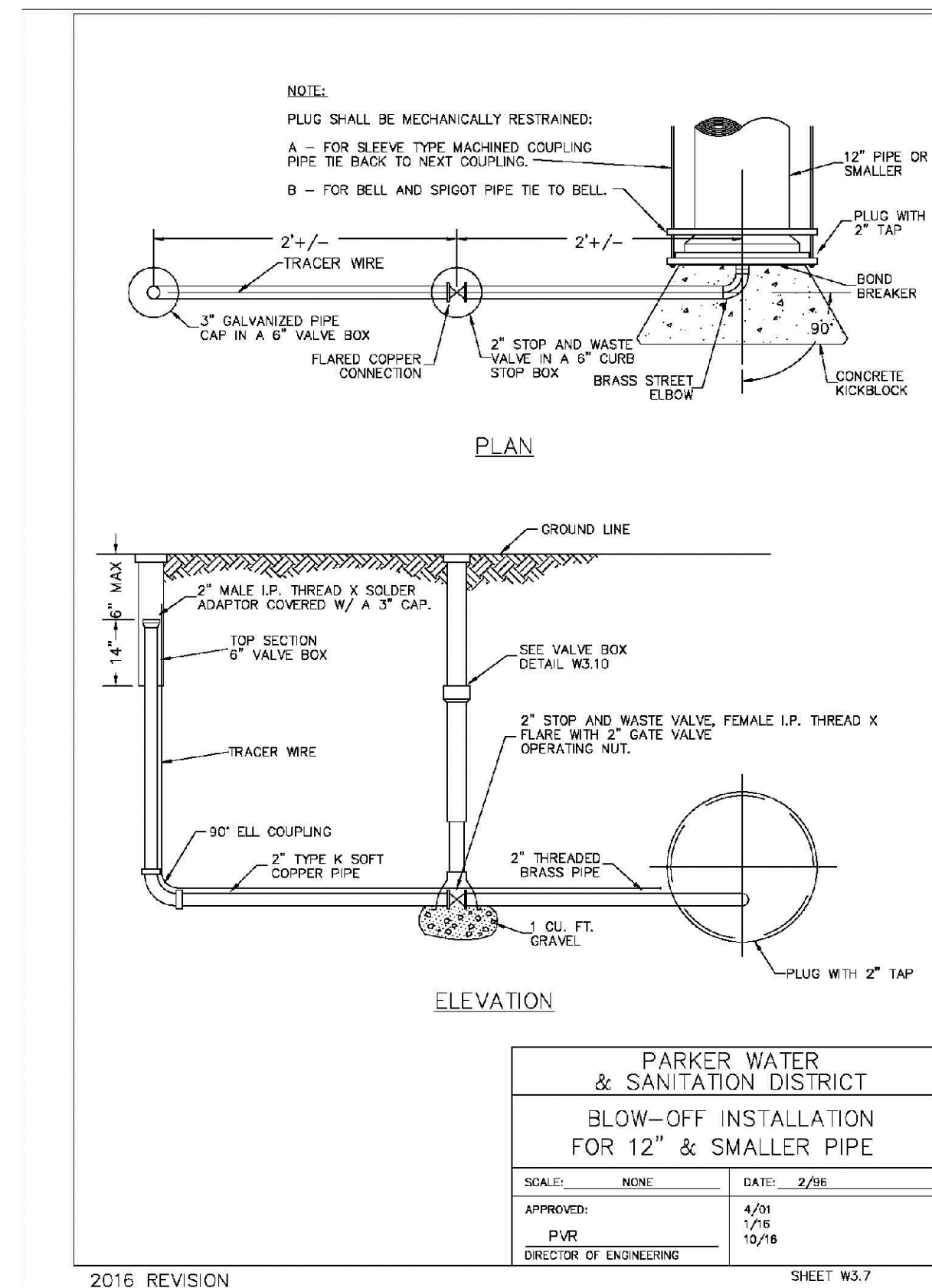
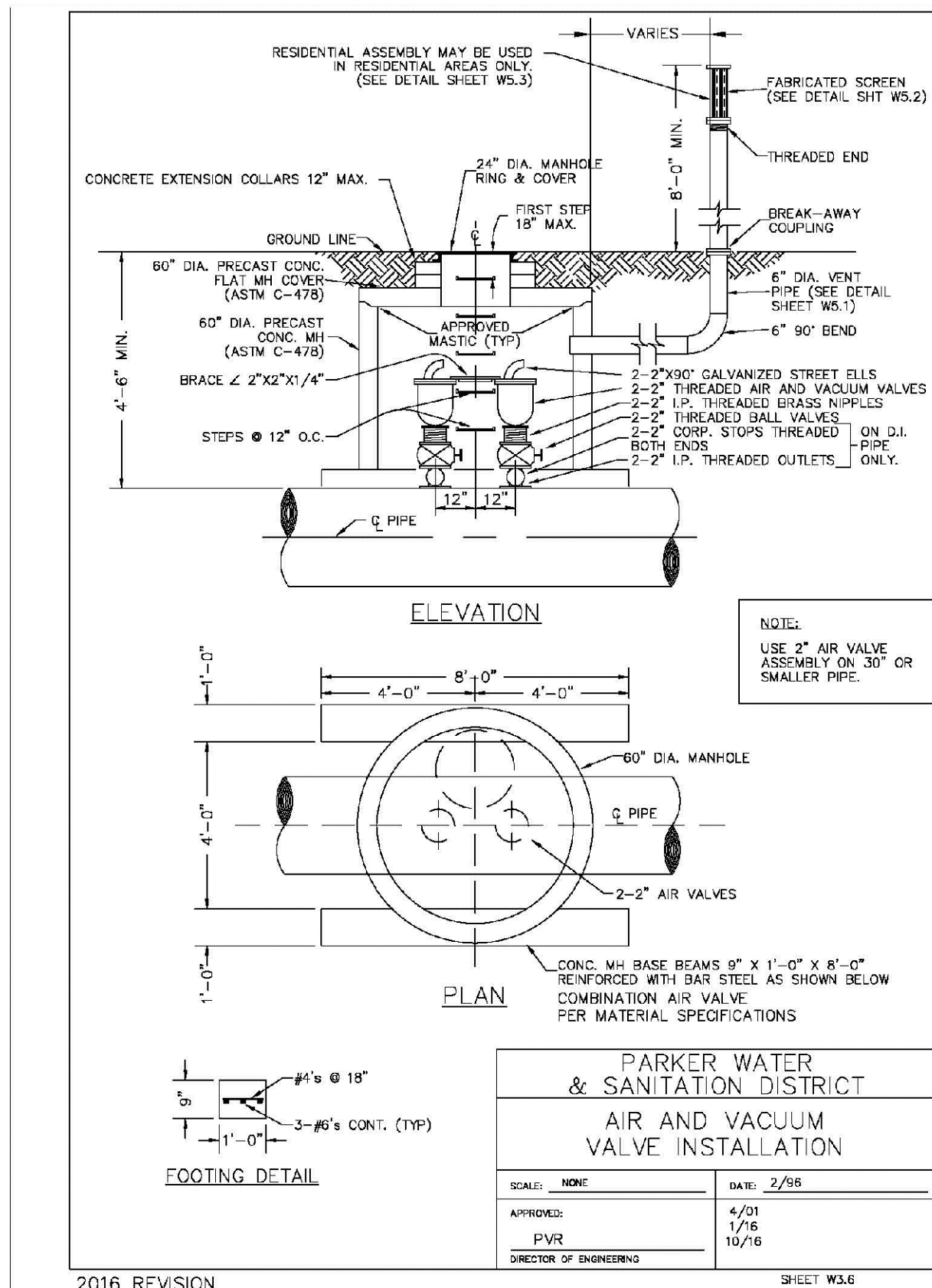
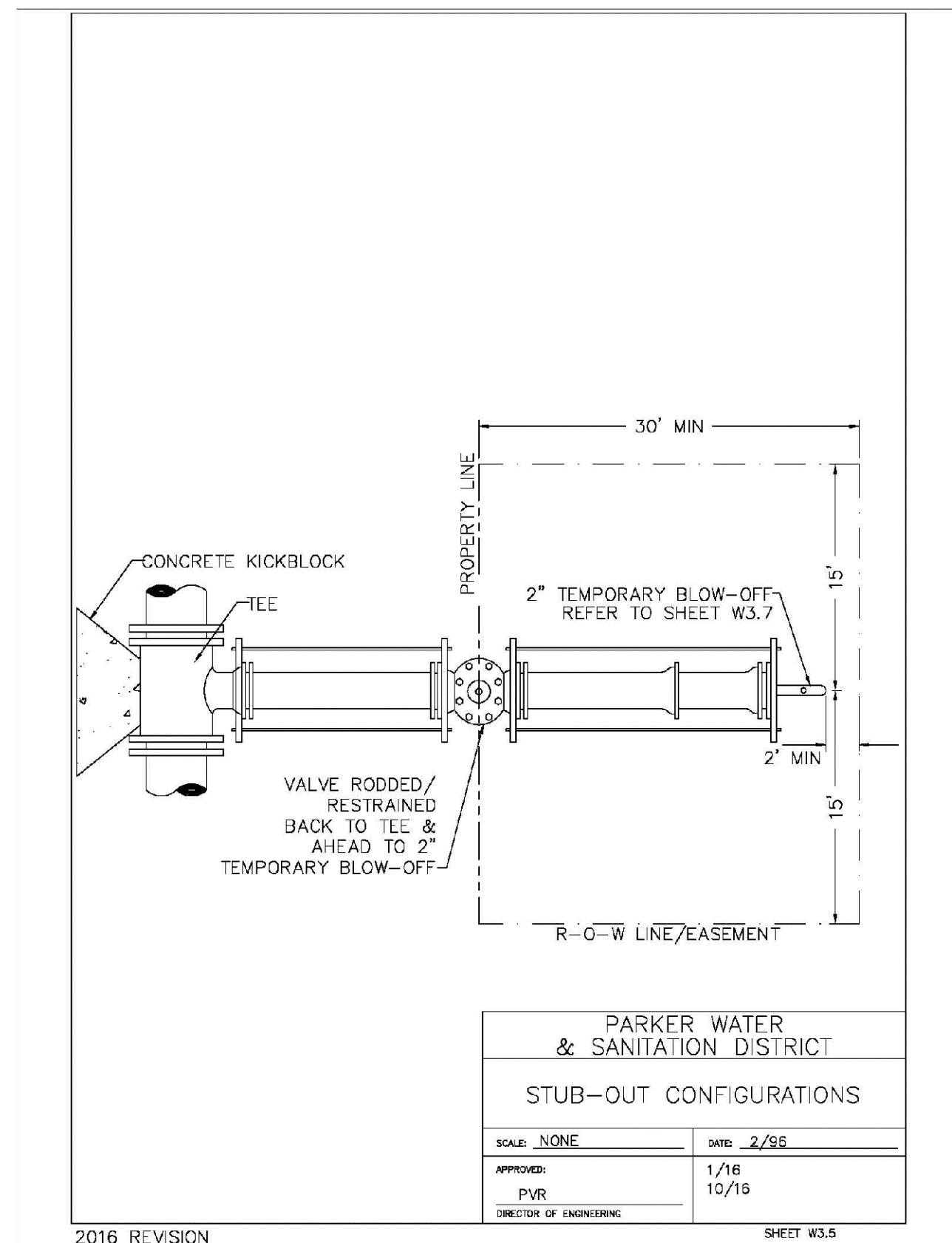
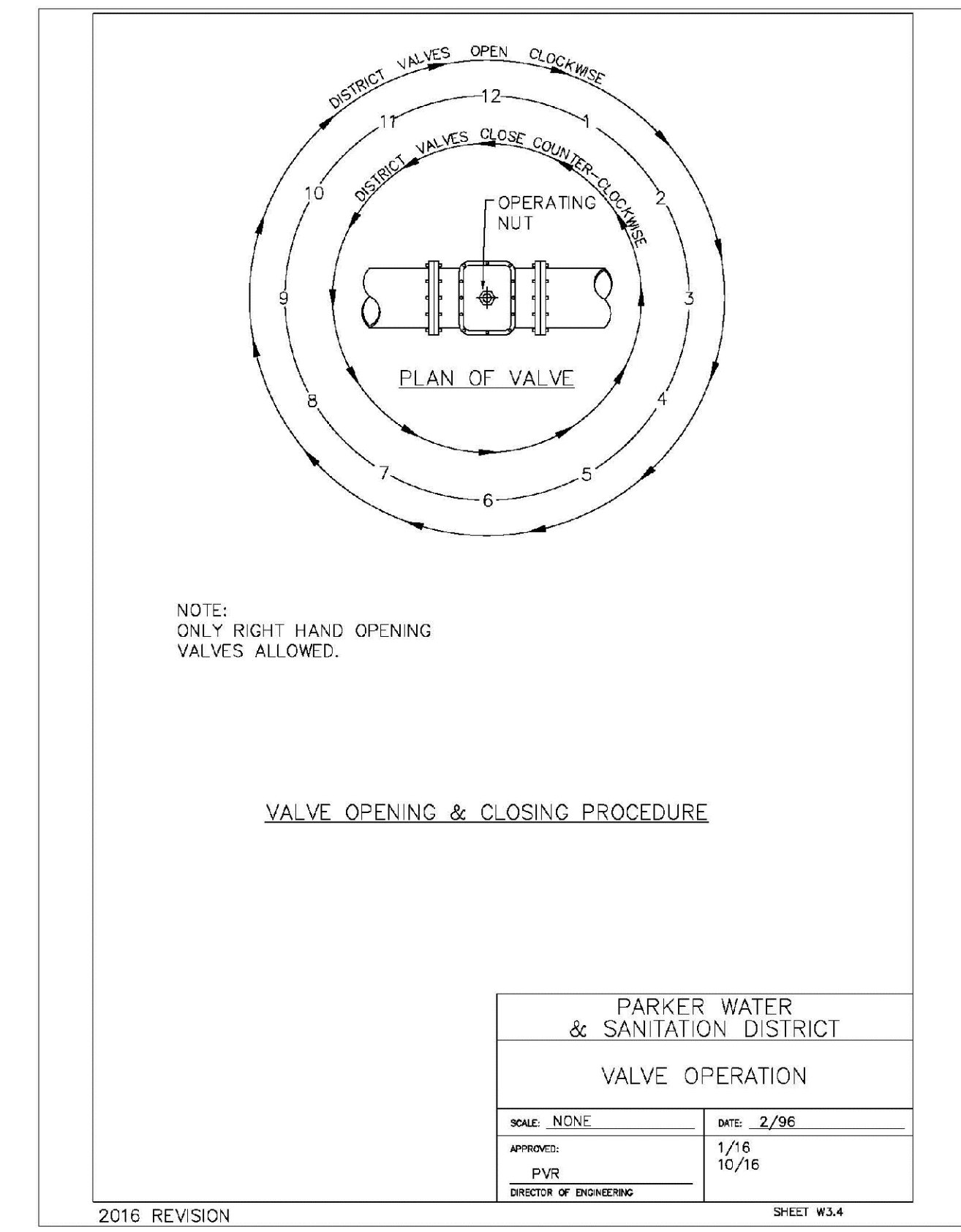
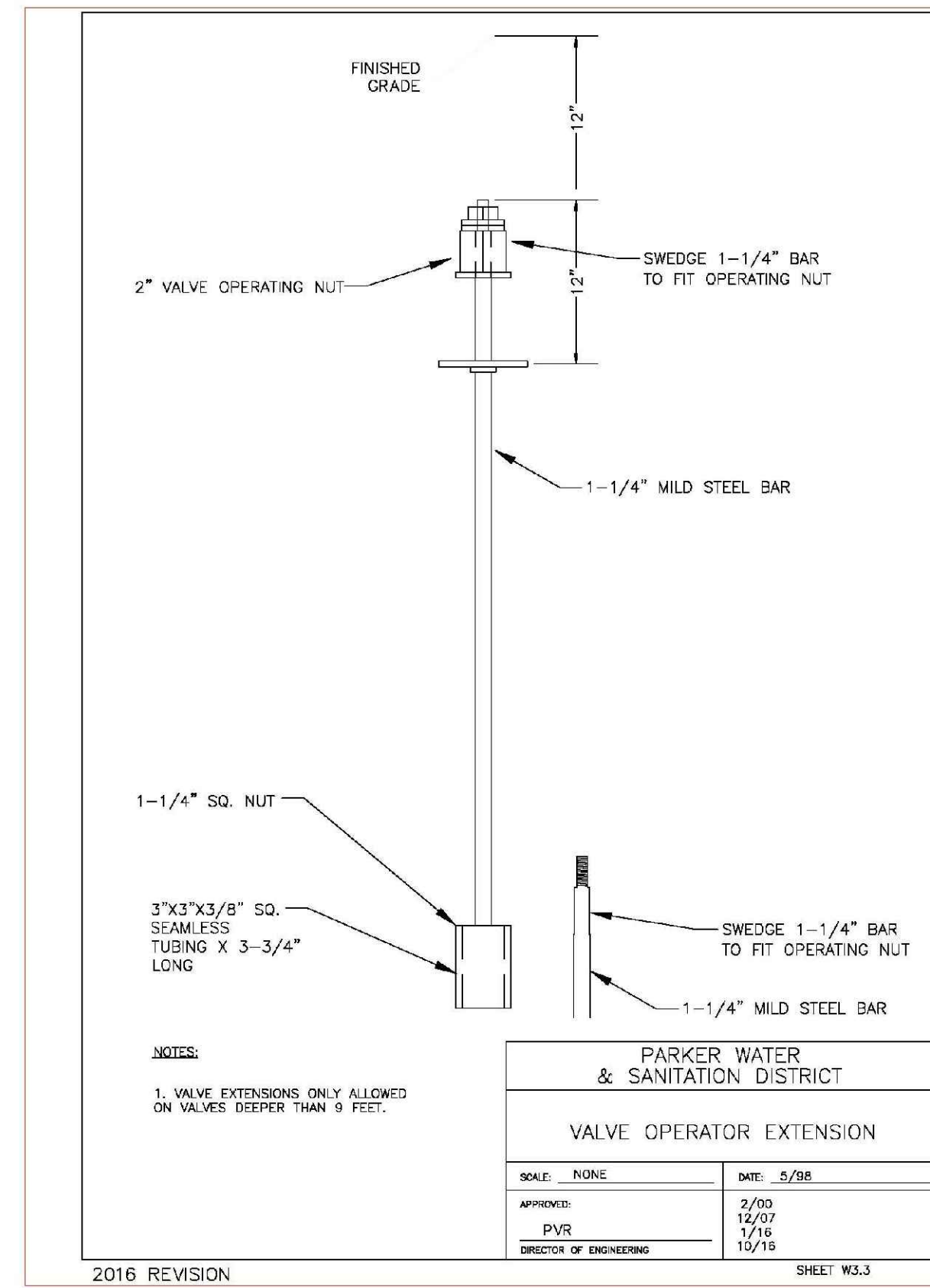
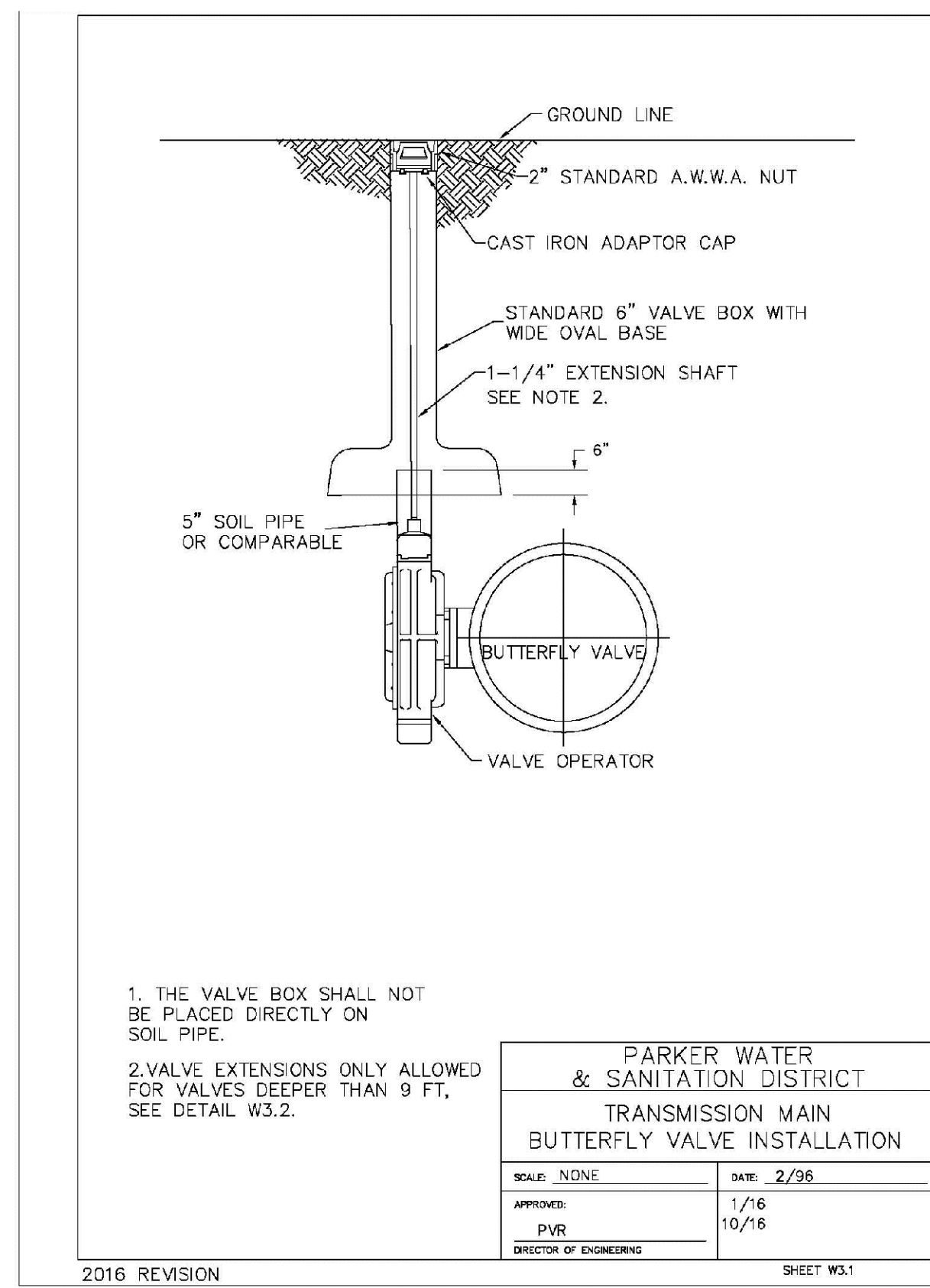
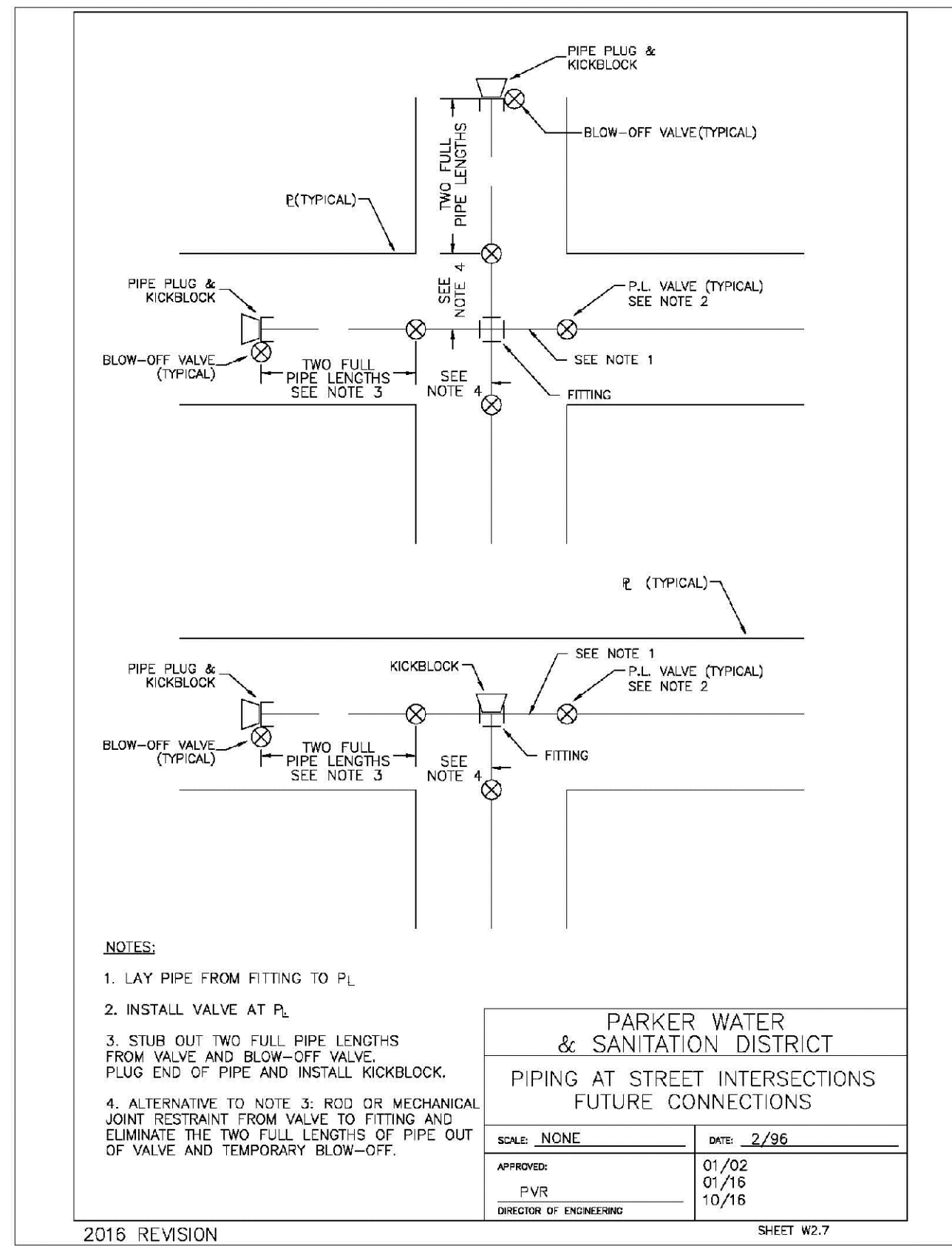
2016 REVISION

SHEET W3.6

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CALL 811
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UTILITY NOTIFICATION CENTER OF COLORADO

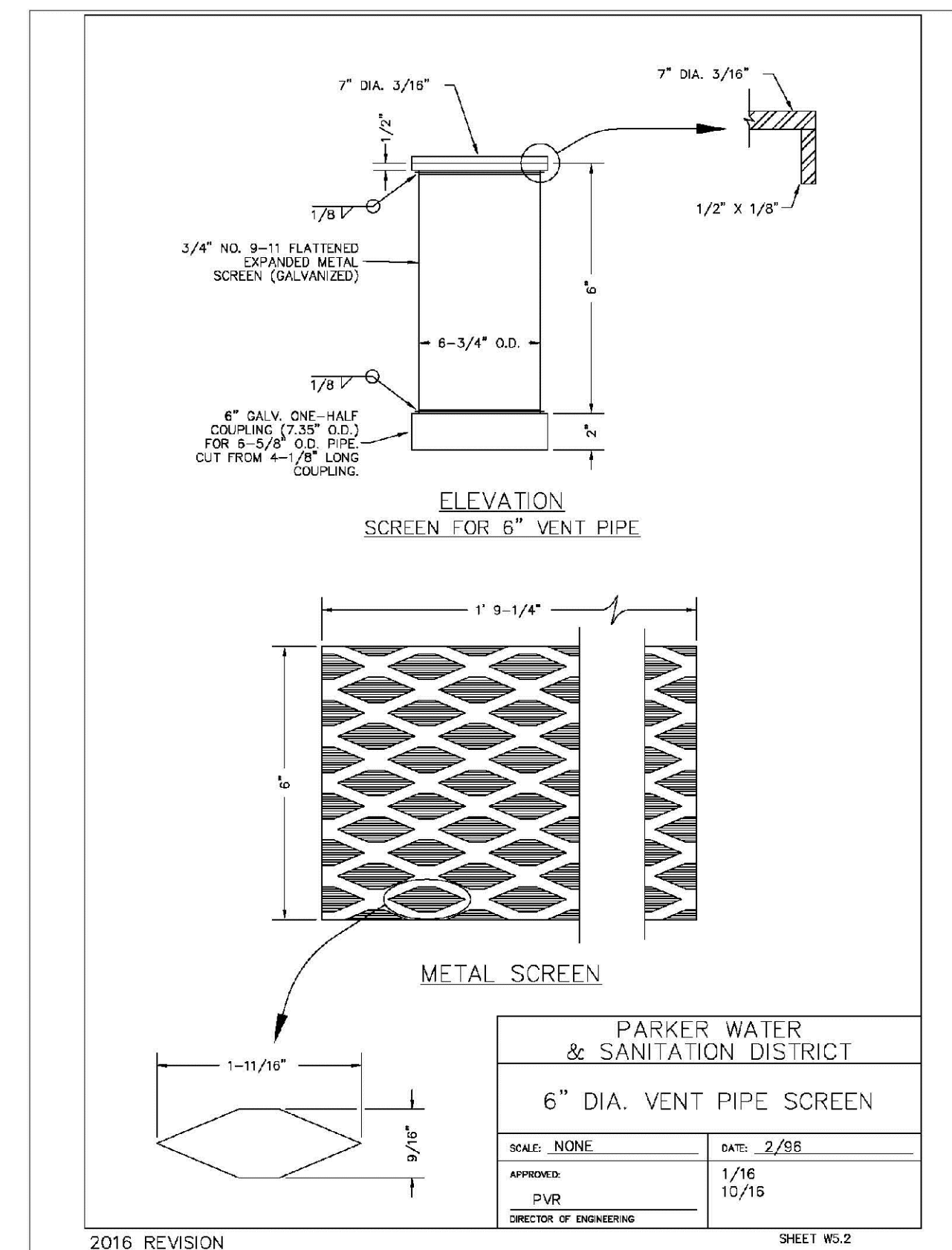
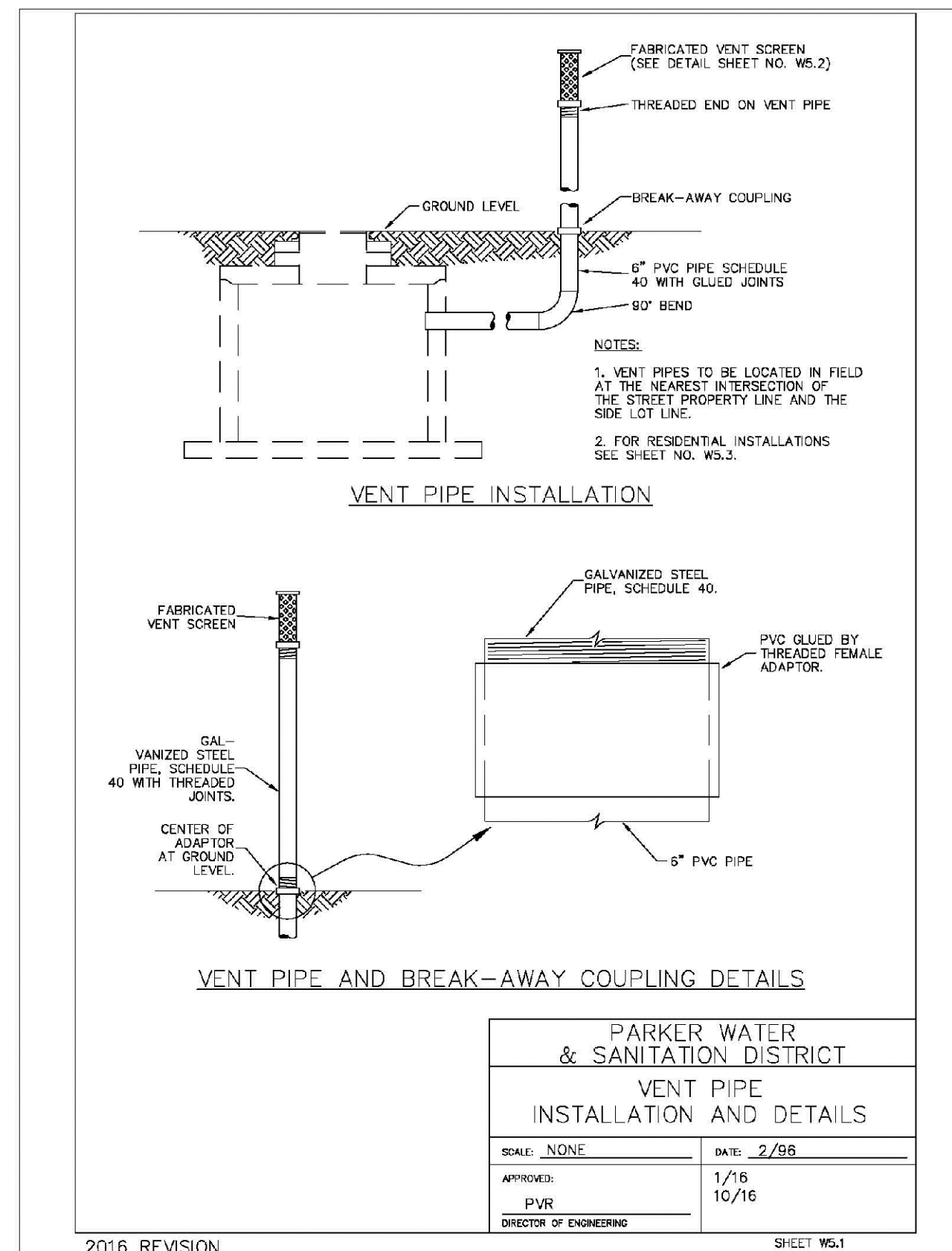
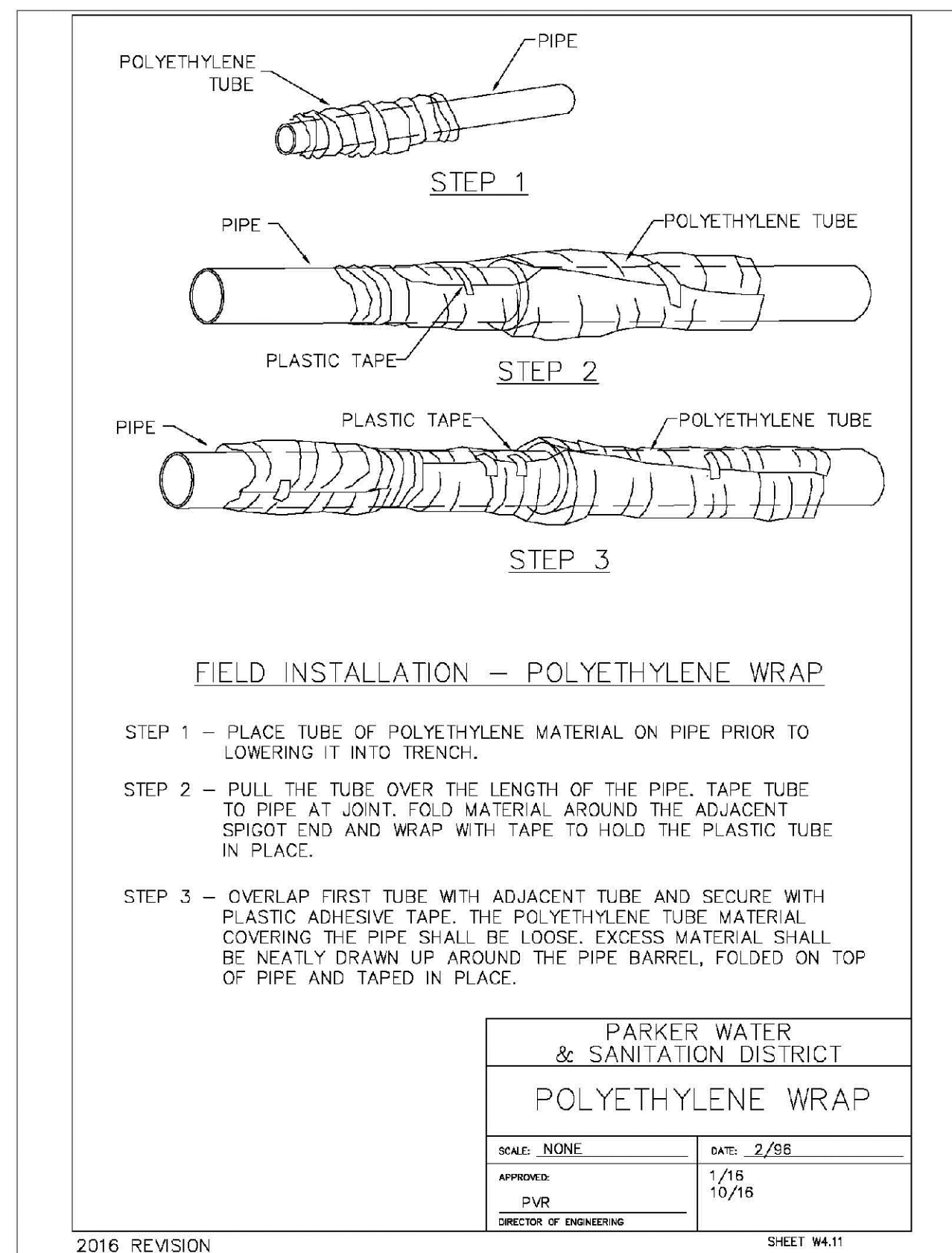
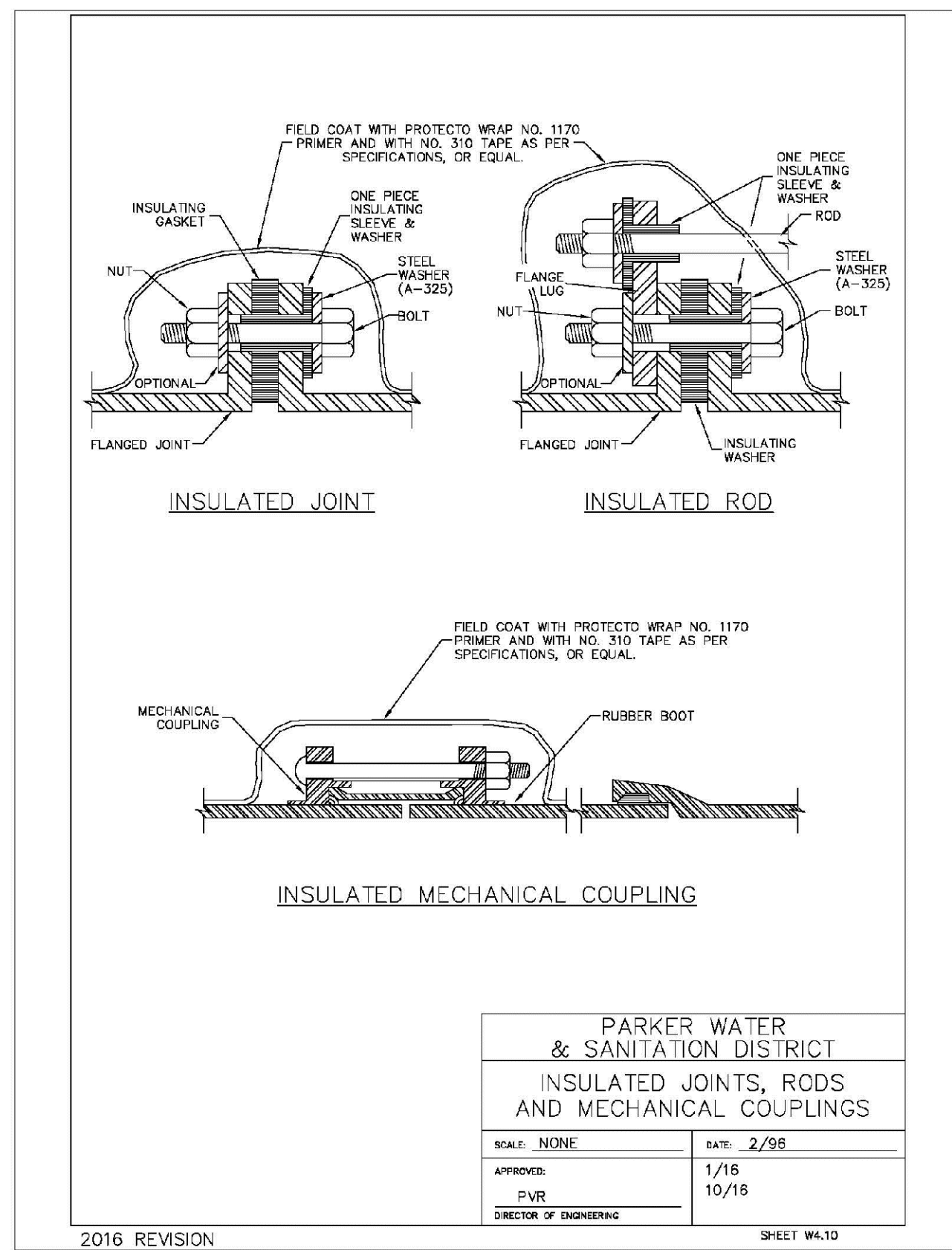
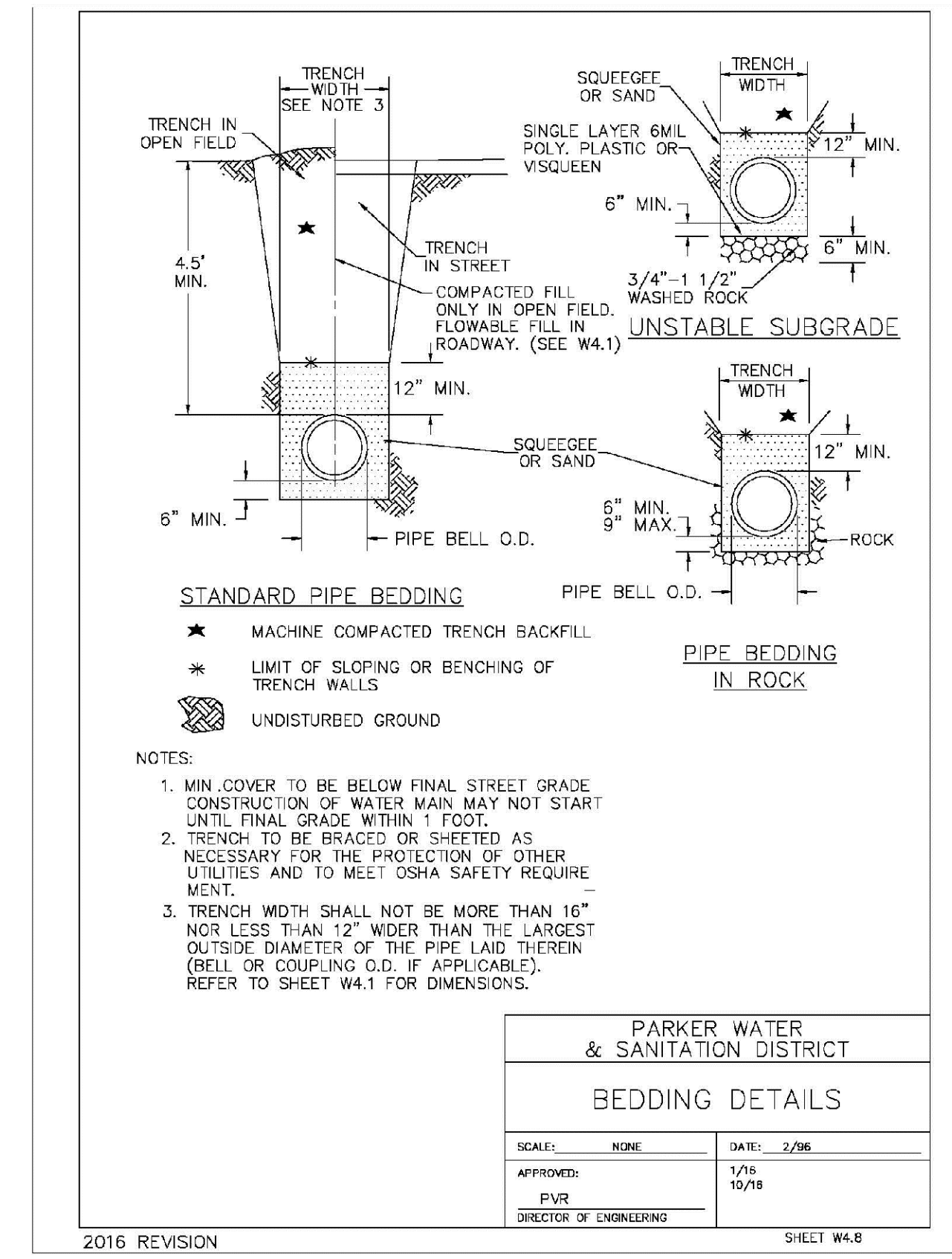
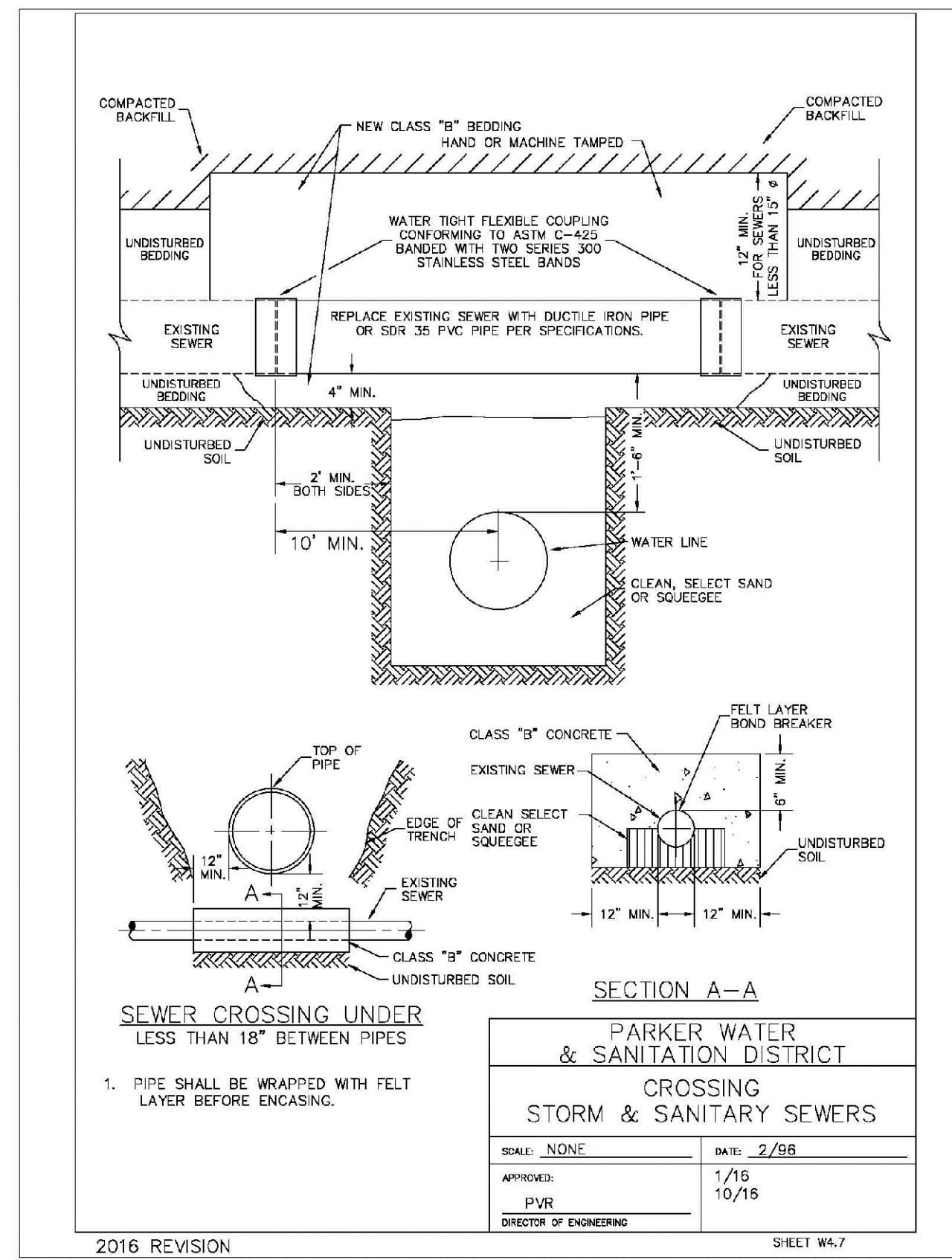
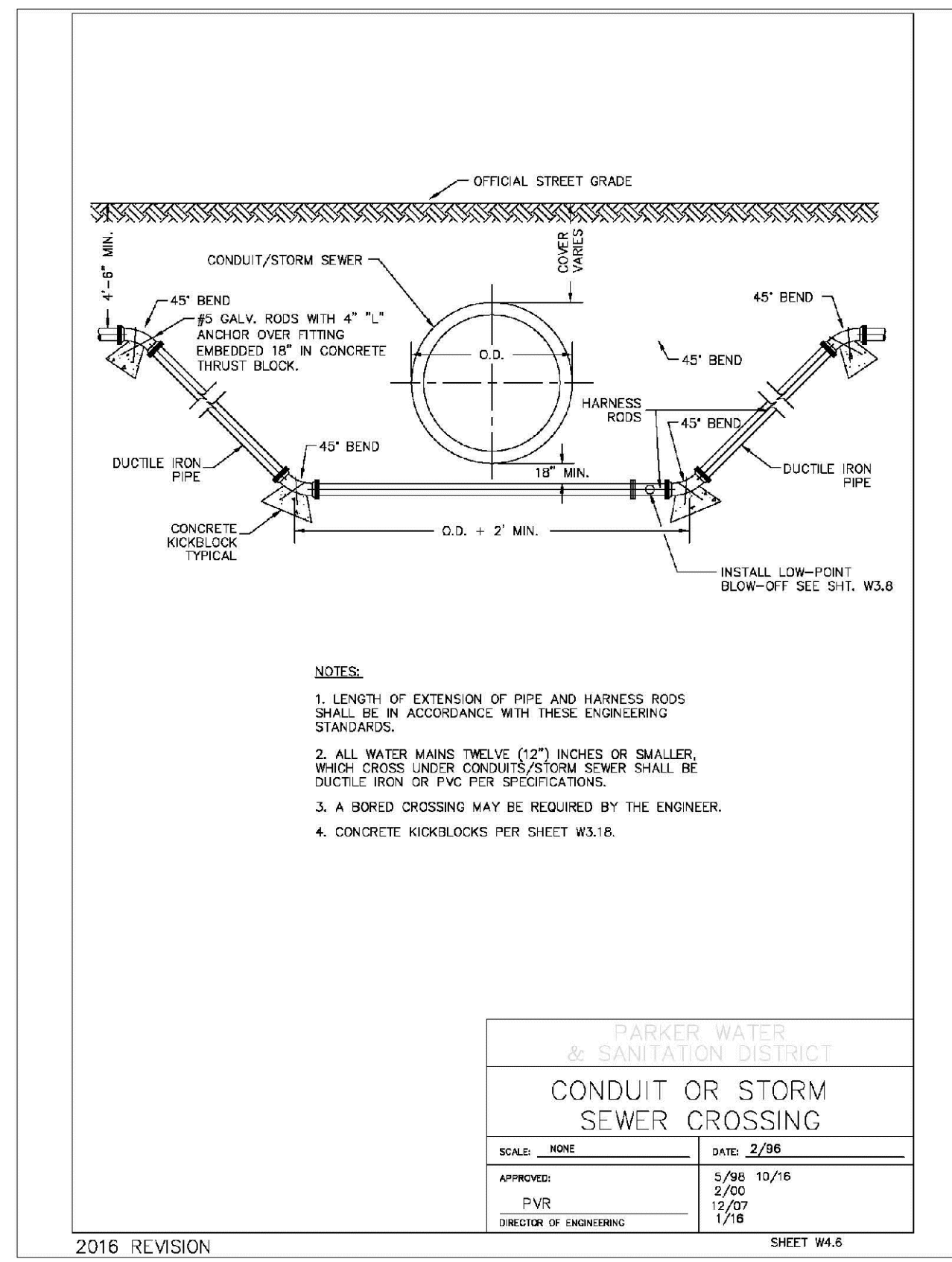
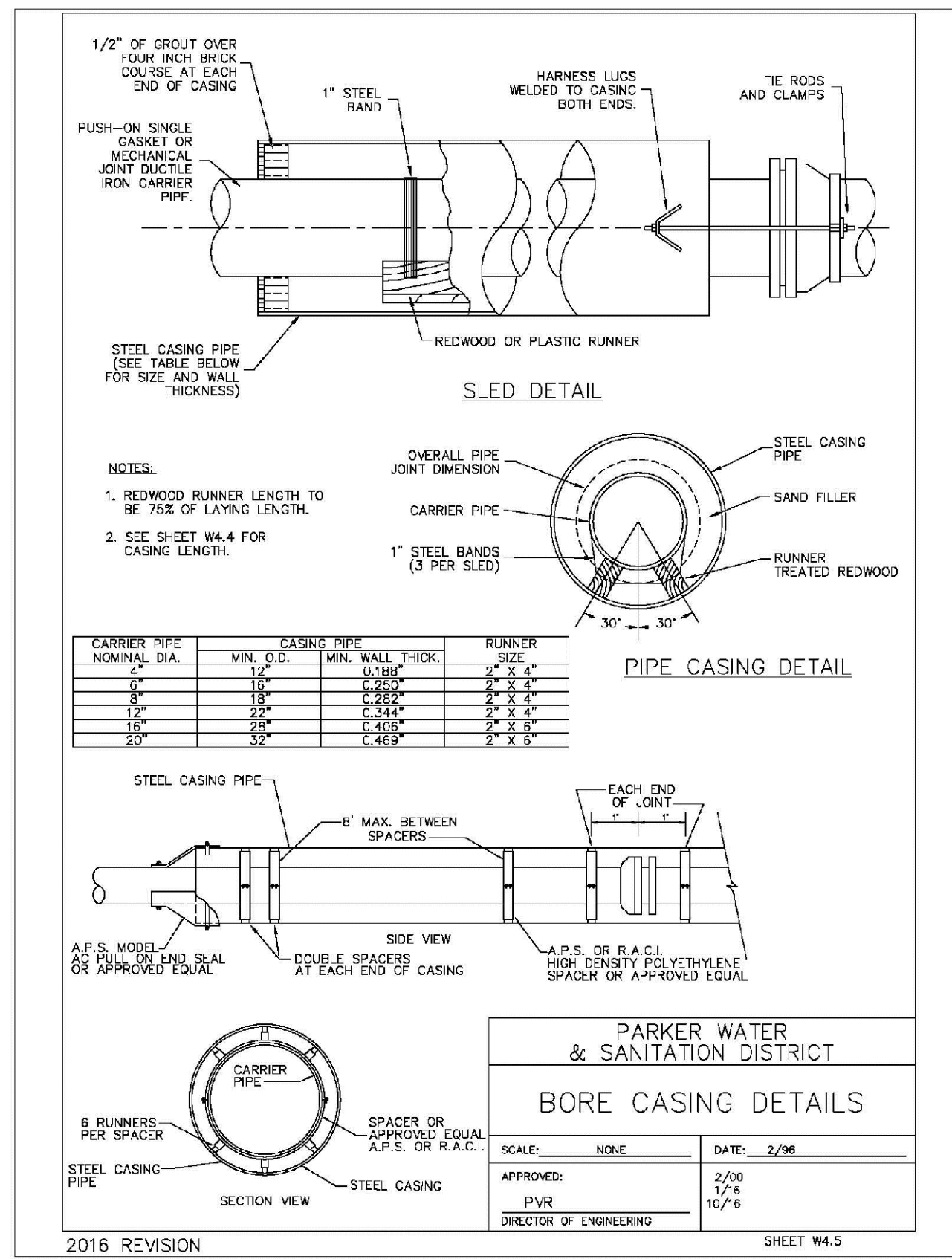
10339 E. Dry Creek Rd. Suite 6410 Englewood, CO 80150 Tel: (720) 482-9526 Fax: (720) 482-9546	Revisions	Date	Appr.	Date
HR 935 LLC 7353 South Alton Way CENTENNIAL, CO 80112	No.			
TRAILS AT CROWFOOT FILING 7 CONSTRUCTION DRAWINGS WATER DETAILS	SCALE: AS SHOWN	FILE NO: 8130283701		
DRAWN BY: JF	CHECKED BY: JJ	DATE: AUGUST 2017		
SHEET NUMBER	12			



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10333 E. Dry Creek Rd. Suite 410 Englewood, CO 80150 Tel: (720) 482-9526 Fax: (720) 482-9546	Revisions	Date	Appr.	Date
HR 935 LLC 7353 South Alton Way CENTENNIAL, CO 80112	No.			
TRAILS AT CROWFOOT FILING 7 CONSTRUCTION DRAWINGS WATER DETAILS				
SCALE: AS SHOWN FILE NO: 8130283701				
DRAWN BY: JF CHECKED BY: JJ DATE: AUGUST 2017				
SHEET NUMBER				
13				



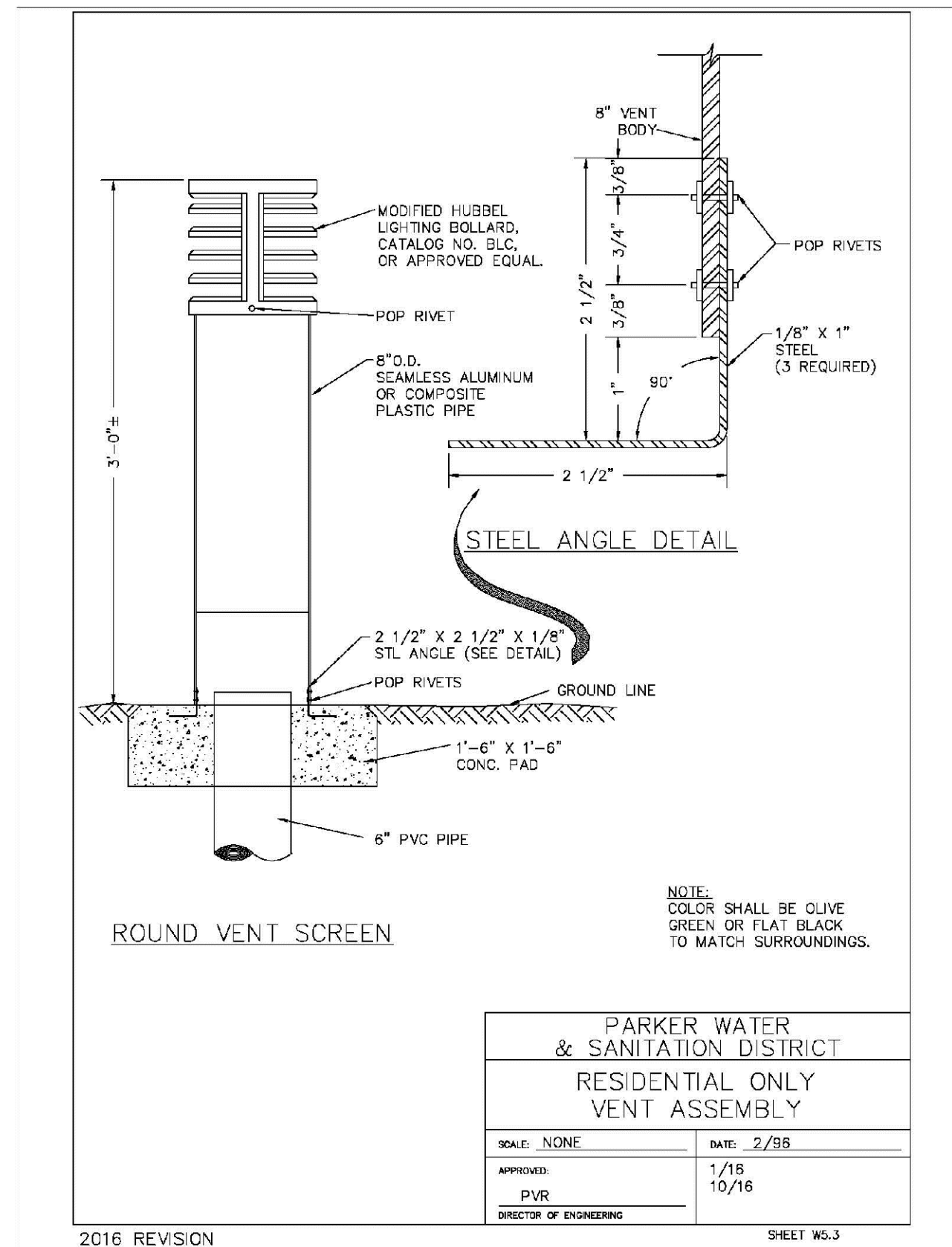
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SHEET NUMBER	DATE	BY	CHKD BY	SCALE	FILE NO.	PROJECT	NO.	REVISIONS	INIT.	DATE	APPR.
16	AUGUST 2017	JF	JJ	AS SHOWN	8130283701	TRAILS AT CROWFOOT FILING 7 CONSTRUCTION DRAWINGS WATER DETAILS					

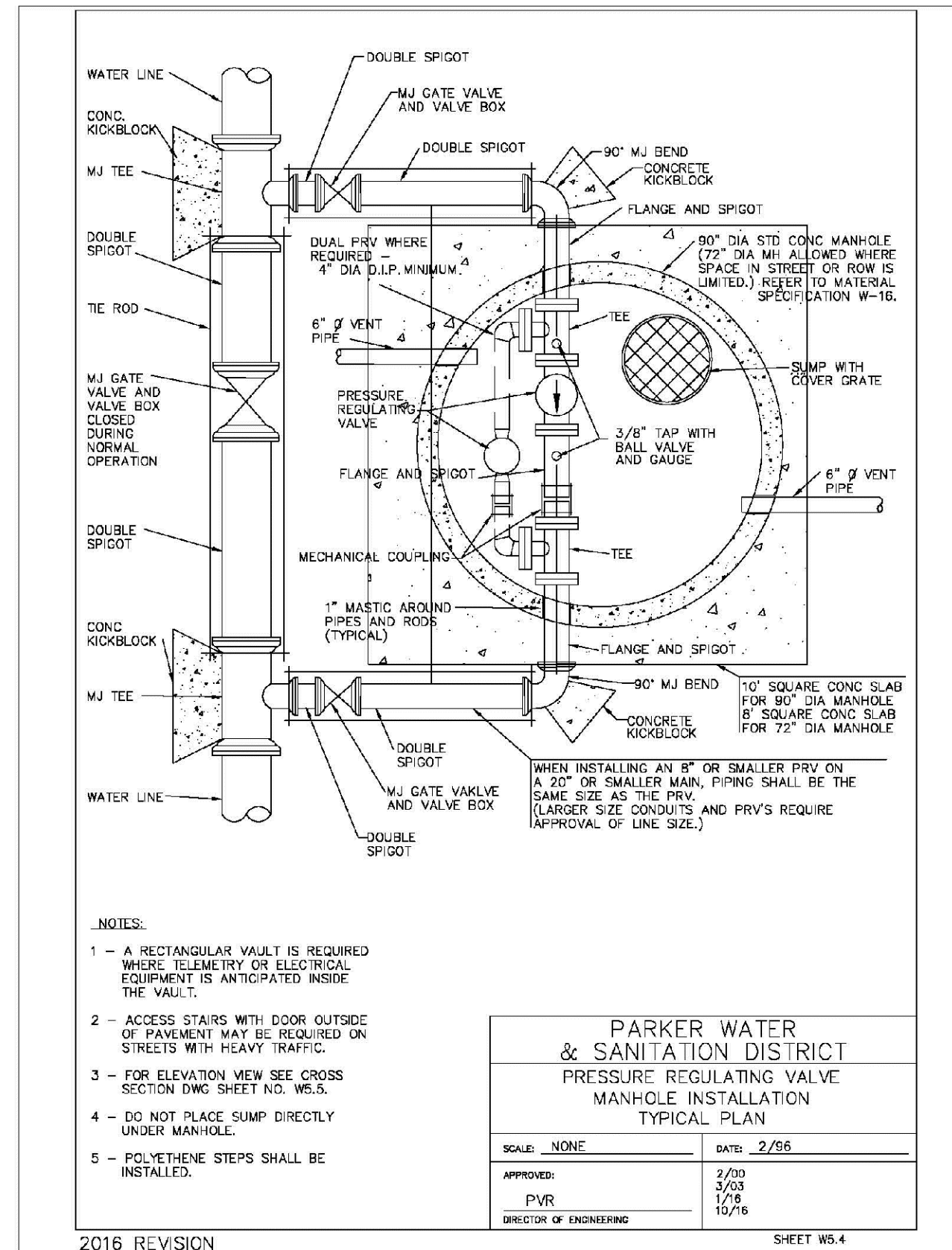
10338 E. Dry Creek Rd.
 Suite 410
 Englewood, CO 80150
 Tel: (720) 482-9226
 Fax: (720) 482-9548

 HR 935 LLC
 7353 South Alton Way
 CENTENNIAL, CO 80112



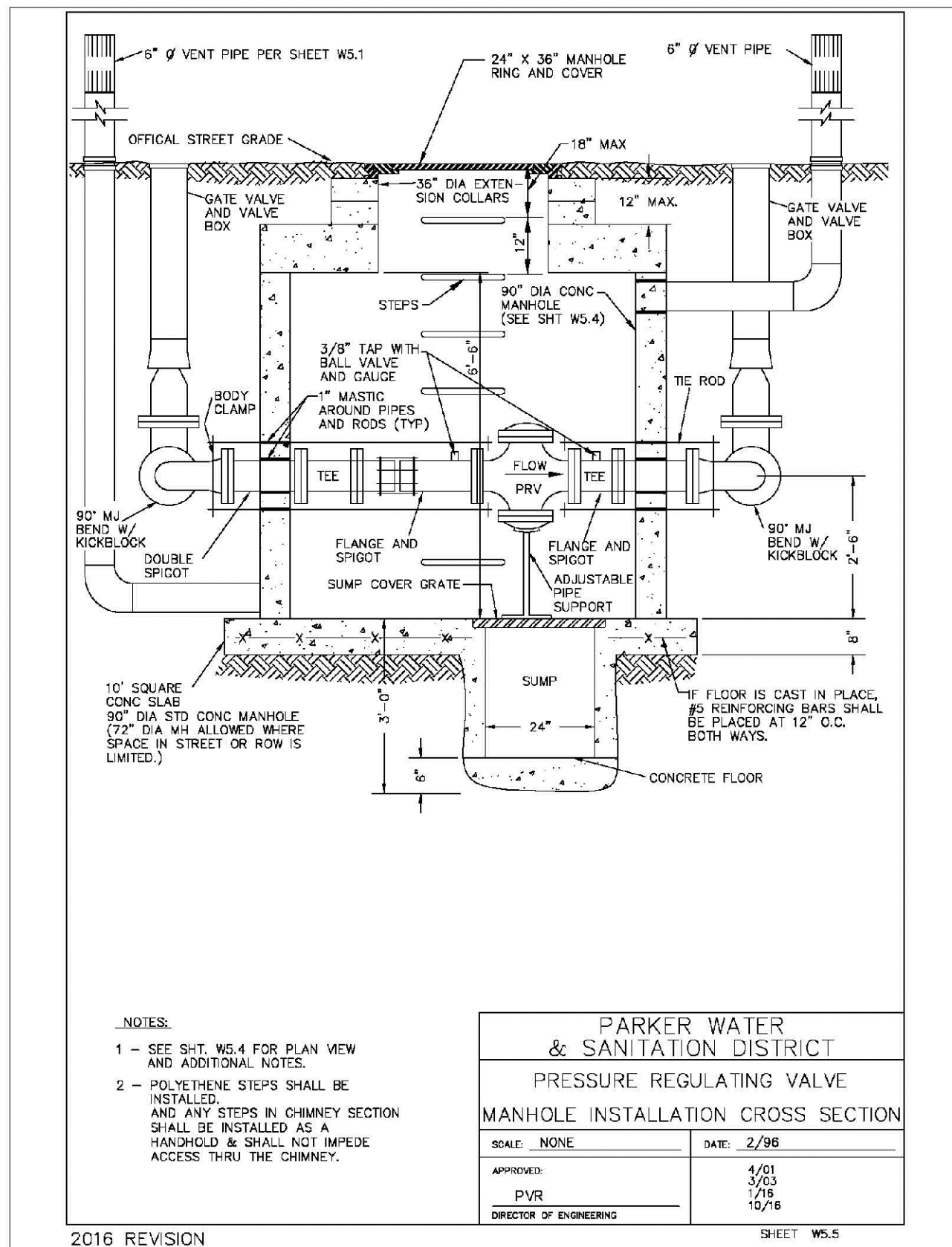
PARKER WATER & SANITATION DISTRICT RESIDENTIAL ONLY VENT ASSEMBLY	
SCALE: NONE	DATE: 2/7/98
APPROVED: PVR 1/7/16	10/16
DIRECTOR OF ENGINEERING	

2016 REVISION SHEET WS.3



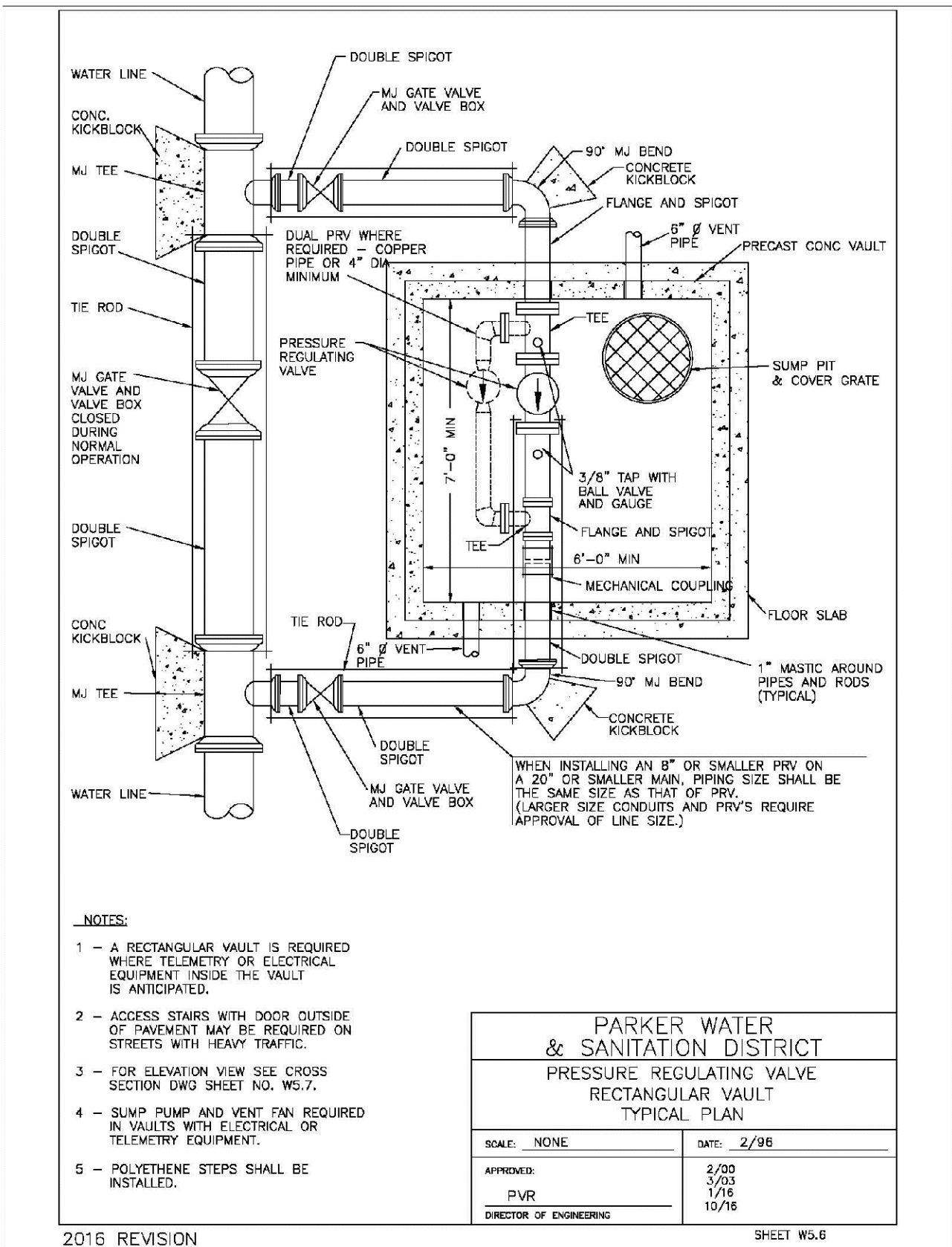
PARKER WATER & SANITATION DISTRICT PRESSURE REGULATING VALVE MANHOLE INSTALLATION TYPICAL PLAN	
SCALE: NONE	DATE: 2/7/98
APPROVED: PVR 2/7/00	2/00
DIRECTOR OF ENGINEERING	

2016 REVISION SHEET WS.4



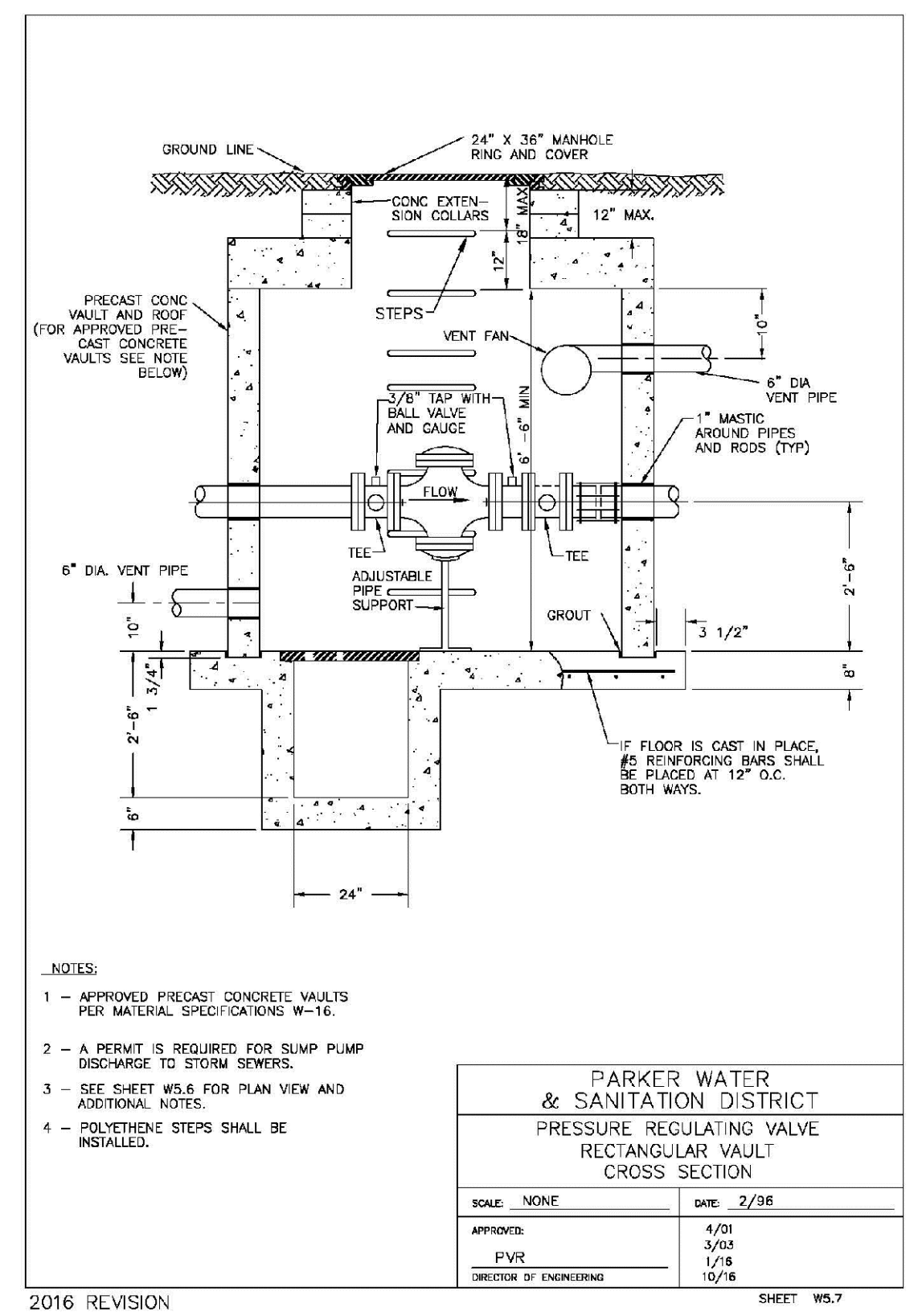
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DIRECTOR OF ENGINEERING	

2016 REVISION SHEET WS.5



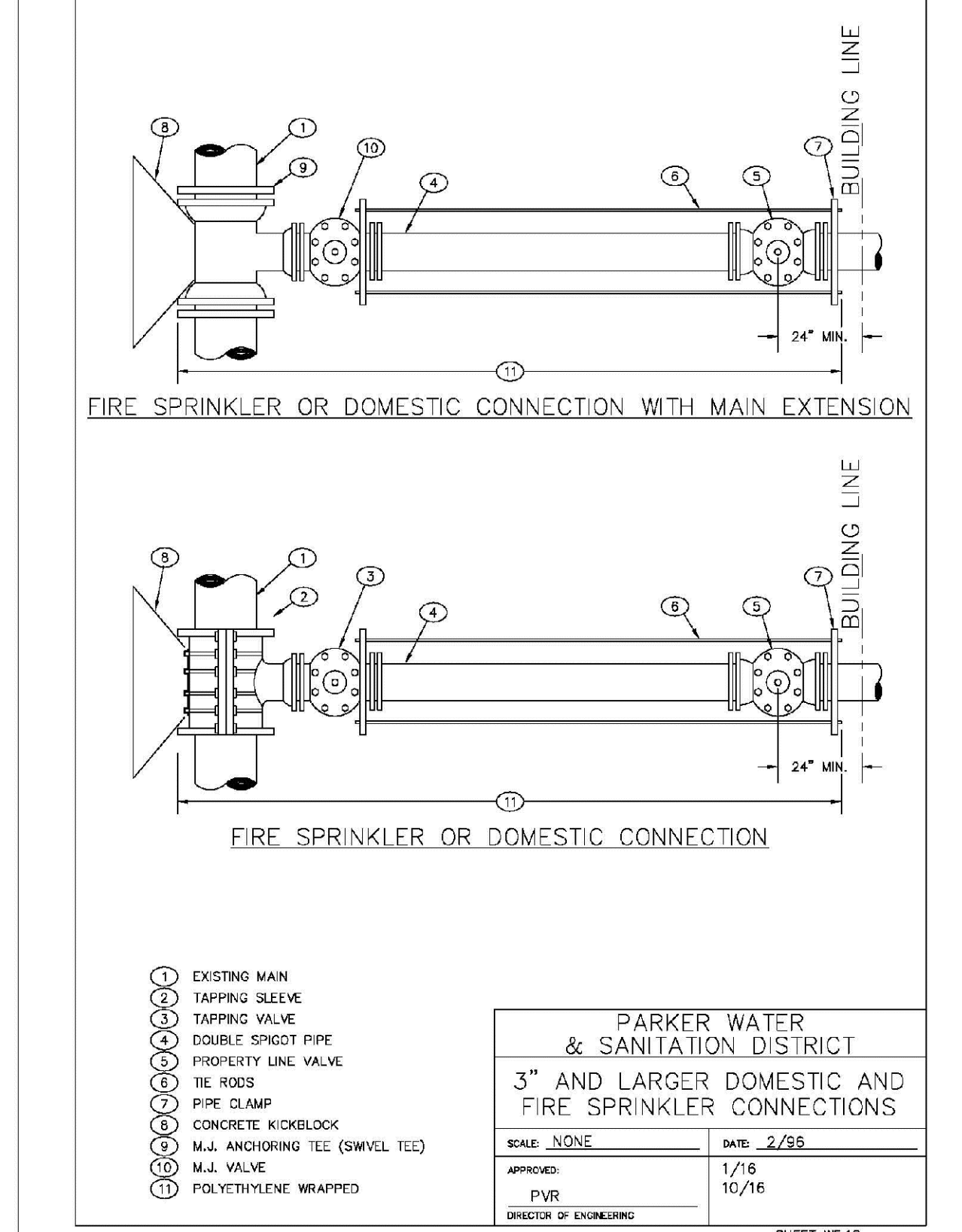
PARKER WATER & SANITATION DISTRICT PRESSURE REGULATING VALVE RECTANGULAR VAULT TYPICAL PLAN	
SCALE: NONE	DATE: 2/7/98
APPROVED: PVR 2/00	1/00
DIRECTOR OF ENGINEERING	

2016 REVISION SHEET WS.6



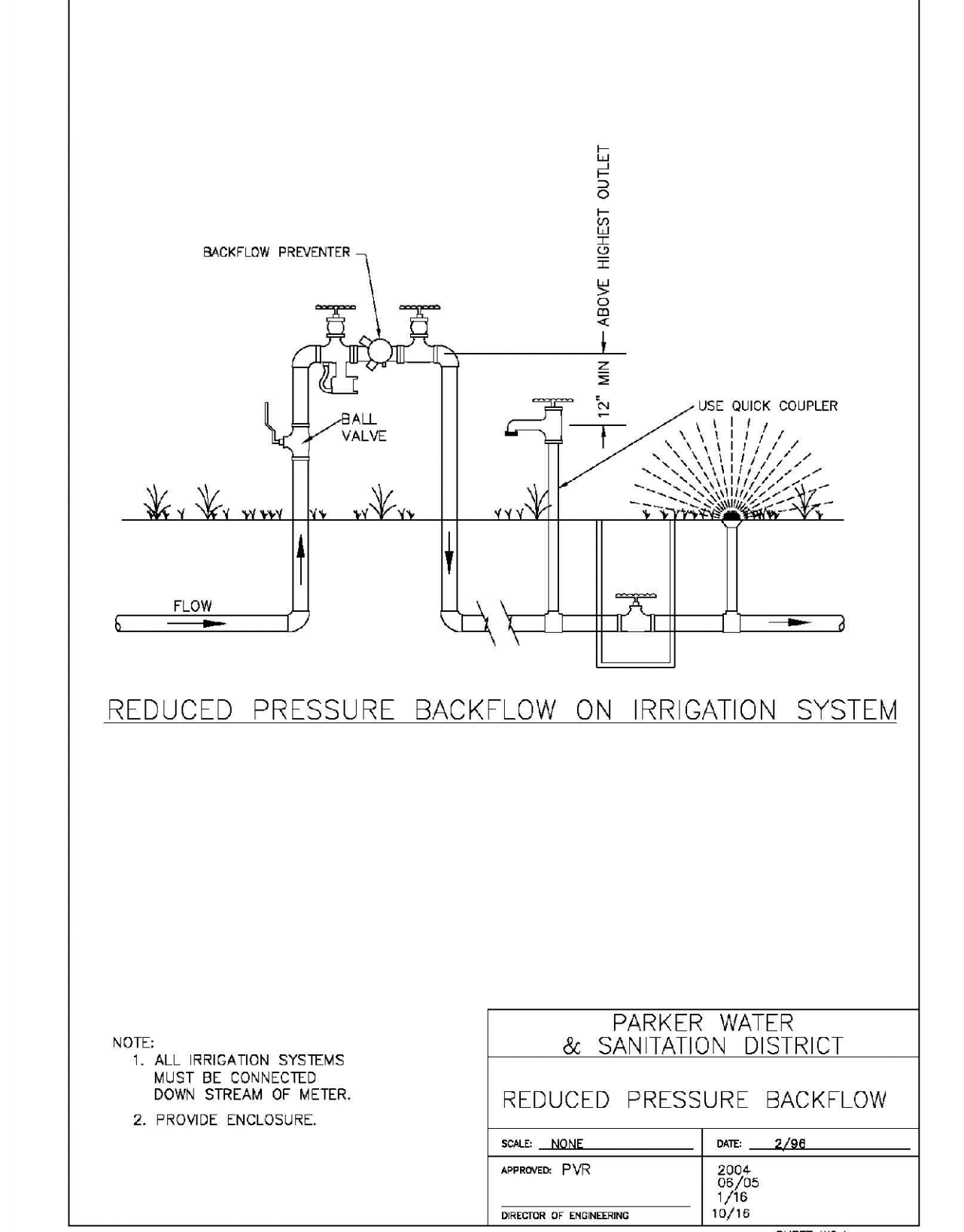
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SCALE: NONE	DATE: 2/7/98
APPROVED: PVR 1/7/00	1/7/00
DIRECTOR OF ENGINEERING	

2016 REVISION SHEET WS.7



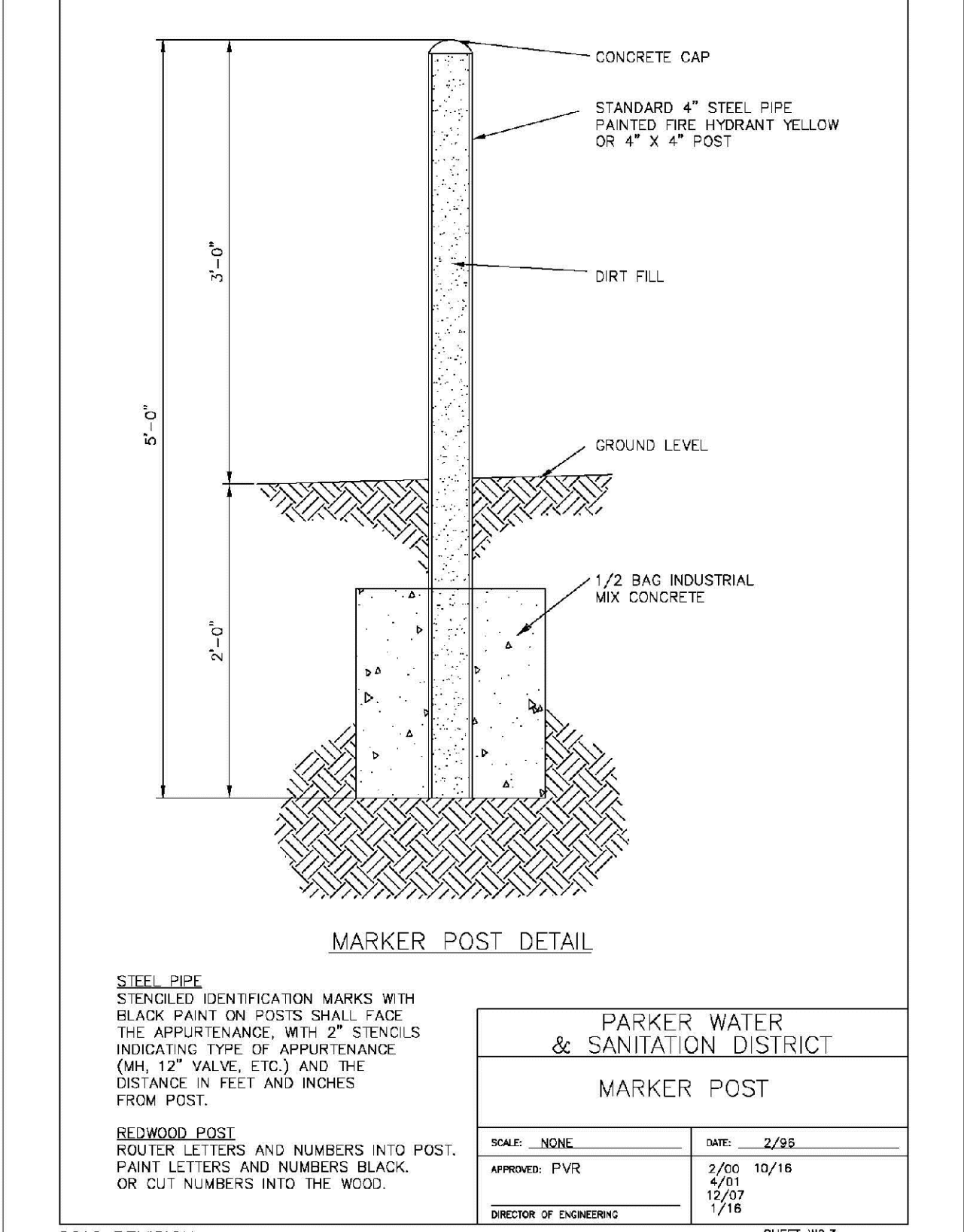
PARKER WATER & SANITATION DISTRICT 3\"/>	
SCALE: NONE	DATE: 2/7/98
APPROVED: PVR 2/00	10/16
DIRECTOR OF ENGINEERING	

2016 REVISION SHEET WS.18



PARKER WATER & SANITATION DISTRICT REDUCED PRESSURE BACKFLOW	
SCALE: NONE	DATE: 2/7/98
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2016 REVISION SHEET WS.1



PARKER WATER & SANITATION DISTRICT MARKER POST	
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APPROVED: PVR 2/00	10/16
DIRECTOR OF ENGINEERING	

2016 REVISION SHEET WS.3

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SHEET NUMBER	DRAWN BY: JF	CHECKED BY: JJ	DATE: AUGUST 2017	SCALE: AS SHOWN	FILE NO: 8130283701	TRAILS AT CROWFOOT FILMING 7 CONSTRUCTION DRAWINGS WATER DETAILS	HR 935 LLC 7353 South Alton Way CENTENNIAL, CO 80112	10333 E. Dry Creek Rd. Suite 410 Englewood, CO 80150 Tel: (720) 482-9526 Fax: (720) 482-9548	Revisions	Date	Appr.	Date
				No.	Date				Date			

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