

# ALTO LAKES W&SD

## PHASE A WATERLINE COMPLETION PROJECT

### LINCOLN COUNTY, NEW MEXICO

#### SEPTEMBER 2012

**PREPARED BY:**

SOUDER, MILLER & ASSOCIATES  
 401 NORTH SEVENTEENTH STREET, SUITE 4  
 LAS CRUCES, NM 88005  
 ATTN: ERIC L. KRCH  
 PHONE: 575-647-0799

THESE PLANS WERE PREPARED UNDER MY DIRECTION AND SUPERVISION ON BEHALF OF SOUDER, MILLER & ASSOCIATES.

ERIC L. KRCH, NEW MEXICO, P.E. 19143  
 SENIOR ENGINEER II

DATE

**PREPARED FOR:**

ALTO LAKES WATER & SANITATION DISTRICT  
 214 LAKESHORE DRIVE, P.O. BOX 750  
 ALTO, NM 88312

DAN B. KNORR, CHAIRMAN

DATE

**RECORD DRAWING**  
 DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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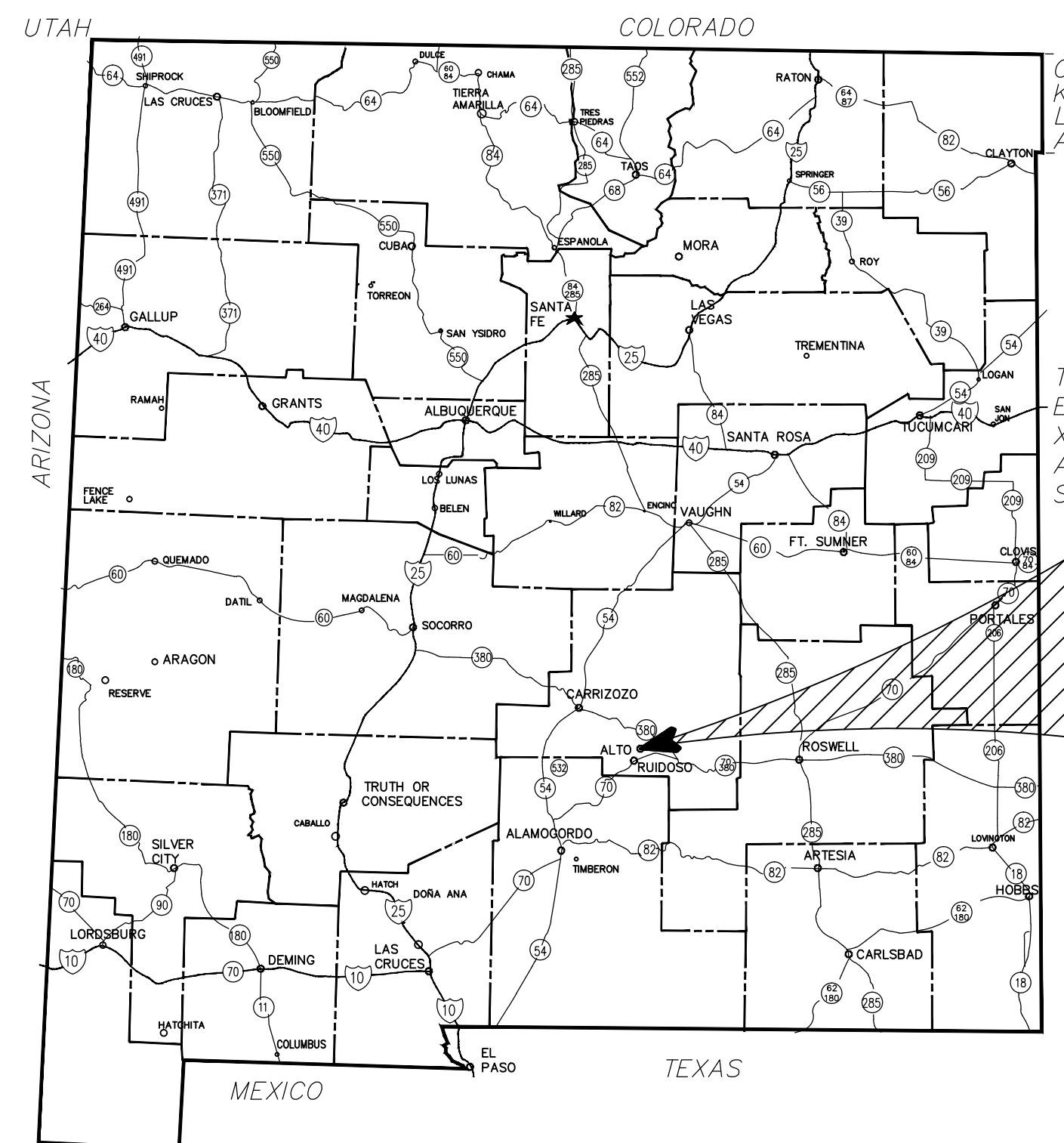
**PROJECT DESCRIPTION**

THIS PROJECT CONSISTS OF WATERLINE IMPROVEMENTS & MODIFICATIONS AS FOLLOWS:

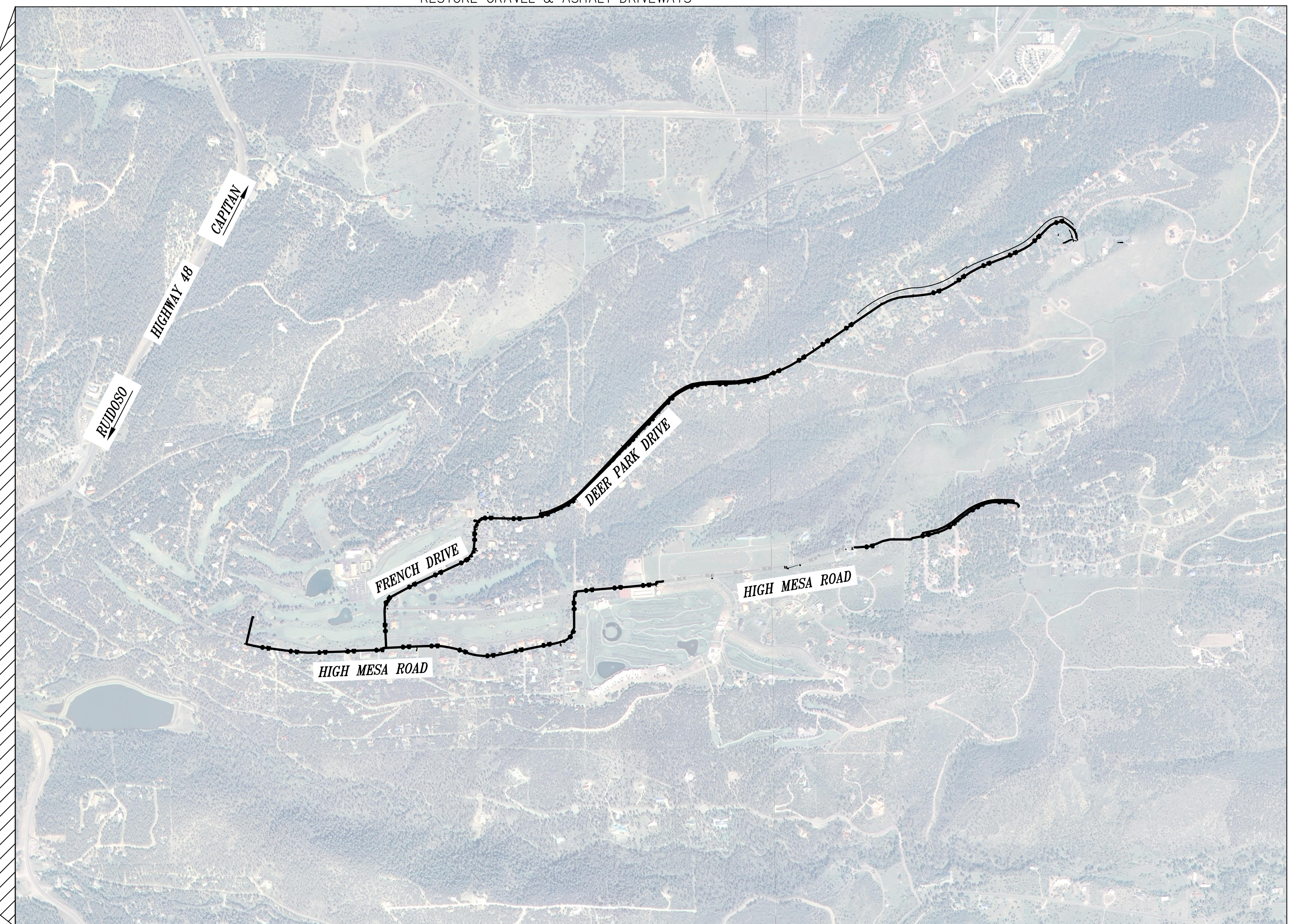
- INSTALL NEW 8" WATERLINE MAIN
- INSTALL NEW AIR RELEASE VALVE
- INSTALL NEW PRV STATIONS
- INSTALL NEW FIRE HYDRANTS AND VALVES
- TIE INTO EXISTING SYSTEM
- COMPLETE INSTALLATION OF EXISTING FIRE HYDRANTS
- RESTORE GRAVEL & ASHALT DRIVEWAYS
- INSTALL (3) 3" CONDUITS
- ASPHALT OVERLAY

SCALE: 1" = 1000'  
 1000 500 0 1000

**LOCATION MAP**



VICINITY MAP



NOT TO SCALE



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**"NOTICE OF EXTENDED PAYMENT PROVISION:**  
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"



## GENERAL NOTES

- THERE WILL BE A PERSON OR PERSONS (HEREINAFTER KNOWN AS THE DISTRICT REPRESENTATIVE) CHOSEN BY THE WATER & SANITATION DISTRICT (HEREINAFTER KNOWN AS THE OWNER) TO ACT AS A CONTACT PERSON BETWEEN THE OWNER AND THE ENGINEER. THE DISTRICT REPRESENTATIVE WILL OBSERVE AND PROVIDE INFORMATION AND CRITICAL LOCATIONS THROUGH THE ENGINEER TO THE CONTRACTOR IN THE FIELD.
- SOUDER, MILLER & ASSOCIATES SHALL HEREINAFTER BE KNOWN AS THE ENGINEER. THERE WILL BE A PERSON PROVIDED BY THE ENGINEER THAT WILL ACT AS A CONSTRUCTION OBSERVER WHO WILL BE THE CONTACT BETWEEN THE CONTRACTOR AND THE ENGINEER.
- THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONSTRUCTING THE WATER MAIN LINE ACCORDING TO NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (NMSSPWC) SECTIONS 701, 710 AND 900, UNLESS OTHERWISE INDICATED.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR UTILITY LOCATION, PROTECTION, AND VERIFICATION. CONTRACTOR MUST NOTIFY NEW MEXICO ONE CALL SYSTEM, INC. AT 811 OR 1-800-321-2537, PER 62-14-5 NMSA 1978, AND ALL LOCAL UTILITY PROVIDERS, TWO (2) DAYS BEFORE STARTING UTILITY LINE CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE TO OBTAIN AND COMPLY WITH THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP). COST ASSOCIATED WITH THE SWPPP SHALL BE INCLUDED IN THE COST OF WORK.
- ALL WATER MAIN LINES & SERVICES AT UTILITY CROSSING SHALL REFERENCE SHEET D103.
- ALL VALVES NOTED IN THE PLANS, OUTSIDE OF ENCLOSED STANDING STRUCTURES, SHALL BE CONSTRUCTED ACCORDING TO THE SPECIFICATIONS SHOWN IN THE "UTILITY DETAILS" SECTION OF THIS PLAN SET. EXCEPTIONS MUST BE AUTHORIZED BY THE ENGINEER.
- ALL WATERLINES SHALL BE INSTALLED TO A MINIMUM COVER OF THIRTY-SIX (36) INCHES UNLESS NOTED OTHERWISE. THIS INCLUDES ANY CROSSING SERVICES OR LATERALS INSTALLED. EXCEPTIONS MUST BE AUTHORIZED BY THE ENGINEER.
- THE CONTRACTOR WILL PREPARE SETS OF WATER MAIN LINE "RECORD DRAWINGS" FOR THE PROJECT AND DELIVER THREE (3) SETS OF THESE DRAWINGS WITH REDLINES TO THE OWNER UPON COMPLETION OF THE PROJECT.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING TRAFFIC CONTROL.
- CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING BUILDING PERMITS, UTILITY BORE PERMITS, COUNTY PERMITS, AND PAVEMENT CUTTING PERMITS WHERE APPLICABLE, AND ANY OTHER REQUIRED OR NECESSARY PERMITS WHICH HAVE NOT ALREADY BEEN OBTAINED BY THE ENGINEER.
- IN THE EVENT THAT THE CONTRACTOR ENCOUNTERS ITEMS OF HISTORICAL IMPORTANCE, THE ENGINEER SHALL BE NOTIFIED IMMEDIATELY AND WORK IN THE AREA SHALL IMMEDIATELY CEASE UNTIL THE SITE CAN BE CLEARED PROPERLY.
- CONTRACTOR WILL BE RESPONSIBLE FOR STAKING DURING THE PROJECT. THE ENGINEER HAS SUPPLIED CONTRACTOR WITH CONTROL POINTS, SEE SHEET G104.
- ALL WATER MAIN PIPE SHALL BE 8" C900 PVC DR25 @ 165 PSI.
- CONTRACTOR SHALL VERIFY DEPTH AND SIZE OF CULVERT PIPE PRIOR TO CONSTRUCTION.
- CONTRACTOR WILL NOTIFY RESIDENTS IN WRITING TWO (2) DAYS BEFORE STARTING UTILITY LINE CONSTRUCTION WITHIN 100 FEET OF THEIR PROPERTY. SEE SPECIFICATIONS FOR DETAILED REQUIREMENTS.
- WORK TO BE PERFORMED WITHIN LINCOLN COUNTY RIGHT OF WAY SHALL MEET COUNTY ROAD SPECIFICATIONS. CONTRACTOR MUST CONTACT LINCOLN COUNTY ROAD DEPARTMENT 72 HOURS PRIOR TO THE DATE WHEN WORK IS SCHEDULED TO COMMENCE. (575) 354-2922.
- WORK TO BE PERFORMED SHALL MEET THE REQUIREMENTS OF THE DISTRICT.
- CONTRACTOR SHALL NOT CONNECT TO EXISTING SYSTEM UNTIL ALL TESTING AND DISINFECTION IS COMPLETE AND SHALL OBTAIN WRITTEN PERMISSION FROM THE ENGINEER TO PROCEED WITH CONNECTION TO THE EXISTING SYSTEM.
- THE CONTRACTOR SHALL SLOPE ALL TRENCHES AND SLOPES AS REQUIRED TO COMPLY WITH LOCAL, STATE AND FEDERAL CODES TO PROTECT LIFE AND SAFETY OF WORKMEN DURING CONSTRUCTION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION ACTIVITY SAFETY INCLUDING, BUT NOT LIMITED TO TRENCH EXCAVATION AND SHORING, TRAFFIC CONTROL AND SITE SECURITY.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STREETS FREE AND CLEAR OF ANY DEBRIS THAT IS TRACKED FROM THE SITE.
- PRIOR TO AND DURING CONSTRUCTION, ALL ACCESS ROADS SHALL BE SERVICEABLE AND MAINTAINED FOR FIRE PROTECTION AND EMERGENCY VEHICLE ACCESS.
- THE CONTRACTOR SHALL BE RESTRICTED TO A 35 TON (MAXIMUM) NON-VIBRATORY ROLLER FOR COMPACTION IN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR PERMANENTLY DAMAGE ADJACENT STRUCTURES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEAN-UP OF SPILLS ASSOCIATED WITH THE CONSTRUCTION OF THE PROJECT AND SHALL RESPOND TO SPILLS OF HAZARDOUS MATERIALS, SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, AND OTHER MATERIALS THAT MAY THREATEN THE PUBLIC OR THE ENVIRONMENT, TO NEW MEXICO EPA, THE NATIONAL RESPONSE TEAM 1-800-424-8802 AND THE OWNER'S REPRESENTATIVE. ANY SPILLS ASSOCIATED WITH THE PROJECT SHALL BE CLEANED-UP BY THE CONTRACTOR. THE CONTRACTOR SHALL BEAR ALL EXPENSES OF THE COST OF CLEAN-UP OF SUCH SPILLS.
- ALL WORK IN THE VICINITY OF LIVE STREAMS, WATER IMPOUNDMENTS, WETLANDS, OR IRRIGATION SUPPLIES SHALL BE COMPLETED IN SUCH A MANNER AS TO MINIMIZE VEGETATION REMOVAL, SOIL DISTURBANCE, AND EROSION.
- THE CONTRACTOR SHALL REPLACE ALL DESTROYED OR DAMAGED PUBLIC AND/OR PRIVATE IMPROVEMENTS WITH IMPROVEMENTS EQUAL TO THOSE DESTROYED OR DAMAGED WITHOUT ADDITIONAL COMPENSATION.
- THE SITE WORK SHALL BE IN ACCORDANCE WITH ALL OWNER, STATE AND FEDERAL CODES FOR CONSTRUCTION.
- THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS AND ELEVATIONS TO IDENTIFY AND AVOID POTENTIAL CONFLICTS.
- THE CONTRACTOR SHALL COORDINATE WITH ALL UTILITY COMPANIES AND OWNER WITH REGARD TO RELOCATING, ADJUSTING, REPLACING AND/OR REPAIRING UTILITIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE OWNER AND LOCAL FIRE DEPARTMENT 24 HOURS PRIOR TO CONSTRUCTION ACTIVITIES COMMENCEMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIAL, AND APPURTENANCES NECESSARY TO COMPLETE THE WORK INTENDED AND SHOWN ON THE PLANS.
- COMPACTION WITHIN THE RIGHTS OF WAY MUST BE 95% MODIFIED PROCTOR DENSITY.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING BACK TO EXISTING CONDITIONS ALL DISTURBED AREA DURING CONSTRUCTION. THIS MAY INCLUDE RESEEDING, GRADING, ASPHALT PATCHING, REMOVE AND REPLACE LANDSCAPE ROCK, ETC.
- FOR THIS PLAN SET PRV MEANS PRESSURE REDUCING VALVE.
- THERE IS ASBESTOS PIPE IN PROJECT LIMITS. CONTRACTOR IS RESPONSIBLE FOR THE PROPER USE AND HANDLING OF THIS MATERIAL WITHOUT ADDITIONAL COMPENSATION.
- THE CONTRACTOR SHALL POT HOLE AND HAND DIG IN ALL AREAS AND KOKO PELLIE'S AREAS WHERE THE NEW WATERLINE IS SHOWN IN CLOSE PROXIMITY (MINIMUM 2') TO ALL UTILITIES. EXTRA PRECAUTION SHALL BE TAKEN AT THESE LOCATIONS.
- CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCESS TO THE COUNTRY CLUB AND KOKOPELLIE CLUB FOR ALL TRAFFIC, SPECIFICALLY AT THE INTERSECTION OF MULLIGAN AND FRENCH DRIVE, THROUGHOUT THE DURATION OF PROJECT CONSTRUCTION.

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Revisions  
 By \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
 By \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
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## SHEET INDEX

### SHEET # SHEET NAME

#### GENERAL

G100	COVER SHEET
G101	INDEX AND GENERAL NOTES
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G103	KEY MAP #2
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G106	WEST HIGH MESA GEOMETRY SHEET STA: 12+50 TO 50+77
	& EAST HIGH MESA GEOMETRY SHEET STA: 0+25 TO 12+50
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G108	EAST HIGH MESA GEOMETRY SHEET STA: 51+50 TO 58+53
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C101	WEST HIGH MESA ROAD PLAN & PROFILE STA: 14+50 TO 29+50
C102	WEST HIGH MESA ROAD PLAN & PROFILE STA: 29+50 TO 44+50
C103	WEST HIGH MESA ROAD PLAN & PROFILE STA: 44+50 TO 50+77
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C108	FRENCH DRIVE PLAN & PROFILE STA: 0+00 TO 14+50
C109	FRENCH DRIVE PLAN & PROFILE STA: 14+50 TO 21+54
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TC101	TRAFFIC CONTROL DETAILS
TC102	TRAFFIC CONTROL DETAILS
TC103	TRAFFIC CONTROL DETAILS
TC104	TRAFFIC CONTROL DETAILS



To Request a Line Locate Dial 811

New Mexico state law requires everyone involved in any excavation to provide at least two working days' notice to owners of underground facilities when a dig is planned. All facility owners are then required to mark the locations of any underground lines or take other appropriate measures to protect them.

#### UTILITY CONTACT INFORMATION

OTERO COUNTY COOPERATIVE ELECTRIC	(575) 336-4550
ZIA NATURAL GAS COMPANY	(575) 648-4462
WINDSTREAM COMMUNICATION	(575) 937-0651
ALTO LAKES WATER AND SANITATION DISTRICT	(575) 336-4333
LINCOLN COUNTY ROAD DEPARTMENT	(575) 354-2922
NMDOT DISTRICT 2	(575) 637-7200
BAJA CABLE	(575) 257-5121

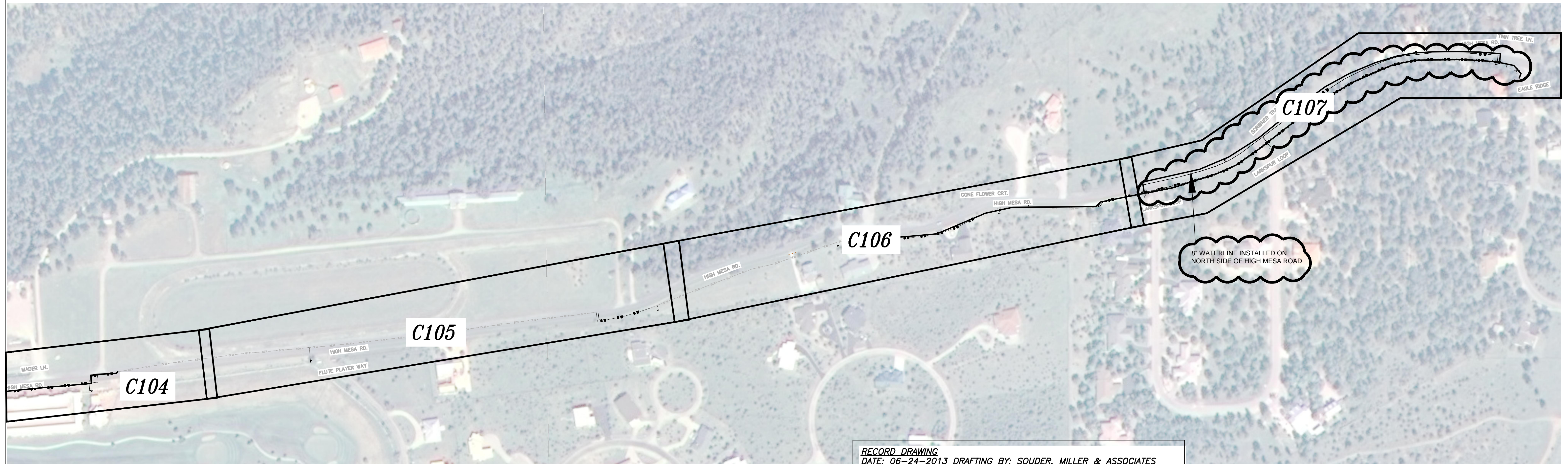
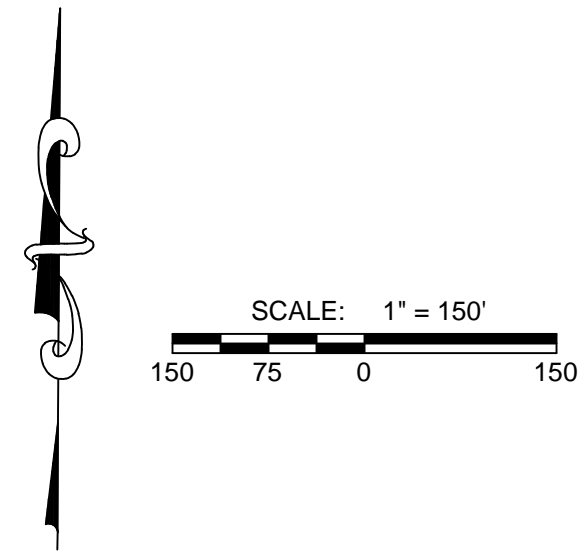
## LEGEND

	EDGE OF PAVEMENT
	CENTERLINE OF ROAD
	EXISTING ELECTRIC UNDERGROUND
	EXISTING WATERLINE
	EXISTING GAS LINE
	EXISTING REVERSE OSMOSIS WATERLINE
	UNDERGROUND TV
	EXISTING FIBER OPTIC LINE
	EXISTING GRAVEL ROAD
	EXISTING DRIVEWAYS
	SITE FIXTURES
	EXISTING WOOD FENCE
	EXISTING BLOCK FENCE
	EXISTING GOLF COURSE PATH
	PROPERTY BOUNDARY
	EXISTING MAJOR CONTOURS
	EXISTING MINOR CONTOURS
	STORM DRAIN CORRUGATED METAL PIPE
	EXISTING TRANSFORMER
	SURVEY CONTROL POINT
	FOUND EXISTING PROPERTY PINS
	EXISTING TELEPHONE PEDESTAL
	EXISTING ELECTRIC METER
	EXISTING UNDERGROUND TELEPHONE VAULT
	EXISTING UNDERGROUND ELECTRIC VAULT
	WATER SHUT OFF VALVE
	EXISTING WATER METER
	EXISTING WATER VALVE
	EXISTING GAS VALVE
	EXISTING GAS METER
	EXISTING SIGN
	EXISTING FIRE HYDRANT
	EXISTING LANDSCAPE TREE
	EXISTING LANDSCAPE SHRUB
	EXISTING LANDSCAPE ROCK
	ELECTRIC STRUCTURE
	NEW GATE VALVE
	NEW TEE
	NEW 90° BEND
	NEW 45° BEND
	NEW FIRE HYDRANT
	NEW TRAFFIC RATED PRESSURE RELIEF VALVE (PRV)
	NEW PRESSURE GAUGE
	NEW AIR RELEASE VALVE
	GRAVEL DRIVEWAY
	ASPHALT DRIVEWAY
	CONCRETE DRIVEWAY
	RIP-RAP
	WATERLINE NOT INSTALLED

Index and General Notes  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
 G101





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Jul 15, 2013 - 4:09pm  
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 6/27/2013  
 07-15-2013

Revisions	
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By: _____	Date: _____
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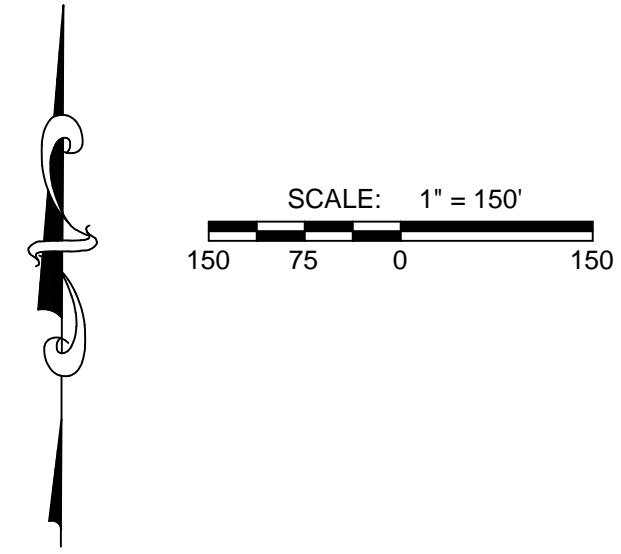
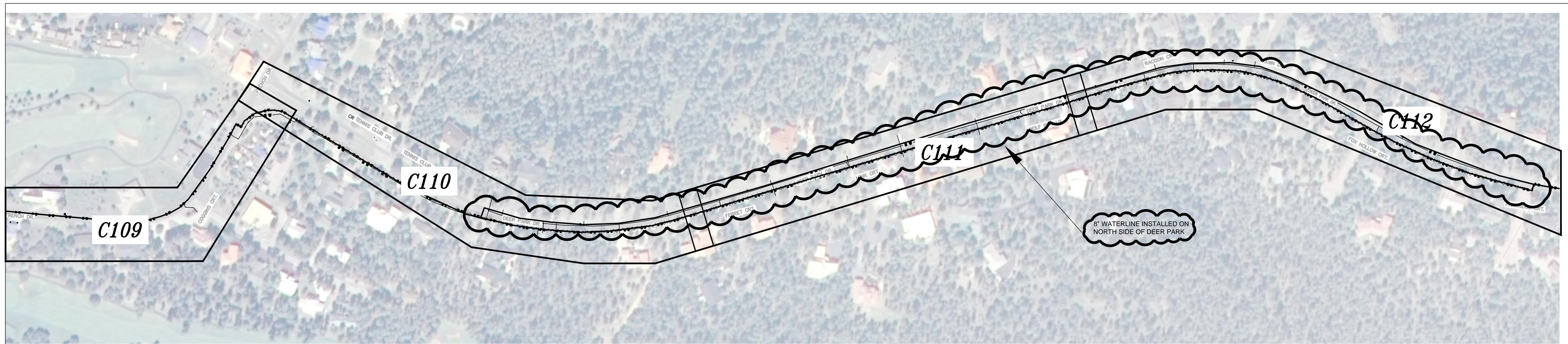


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Key Map #1  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
 G102





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 07-15-2013

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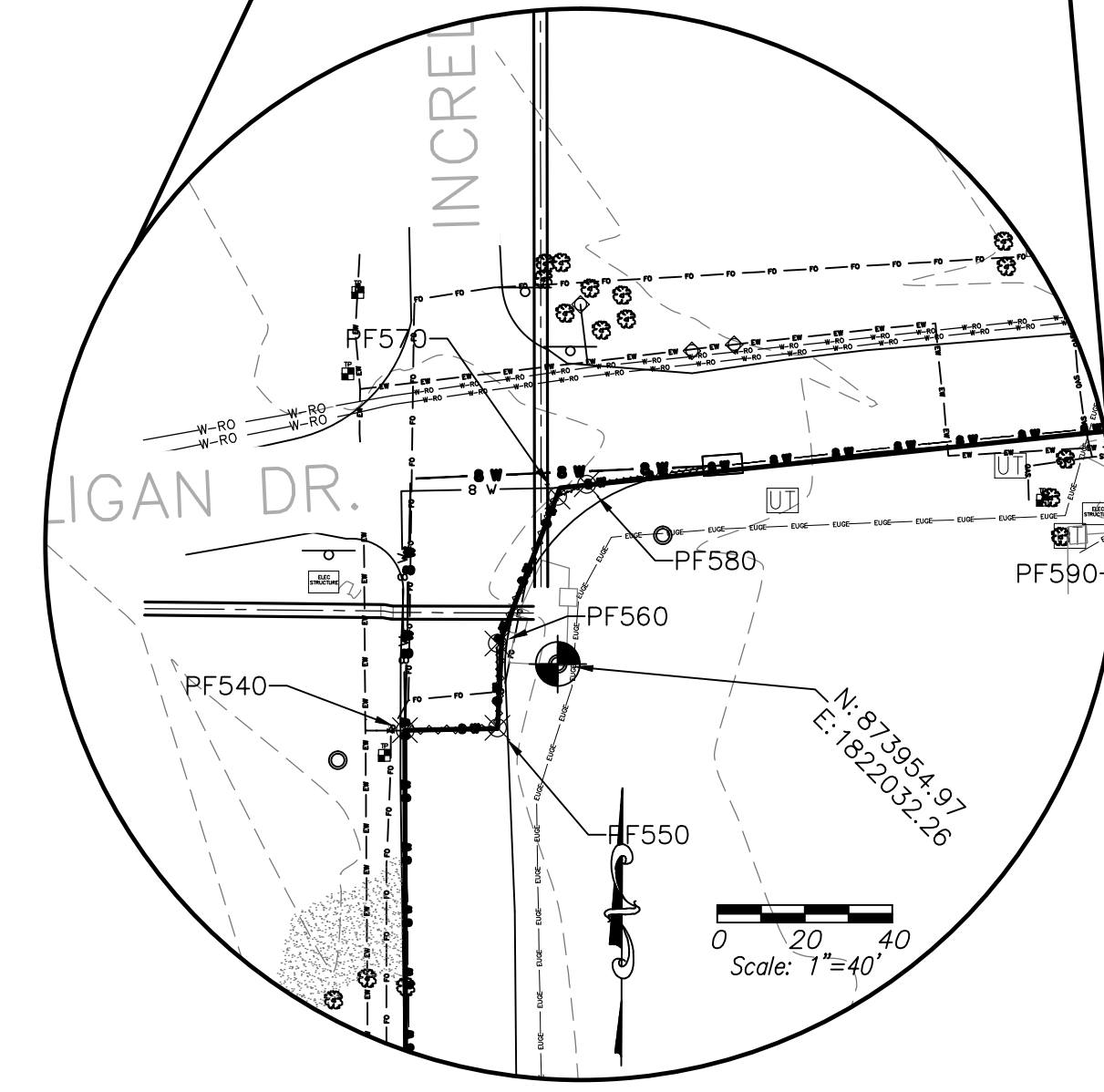
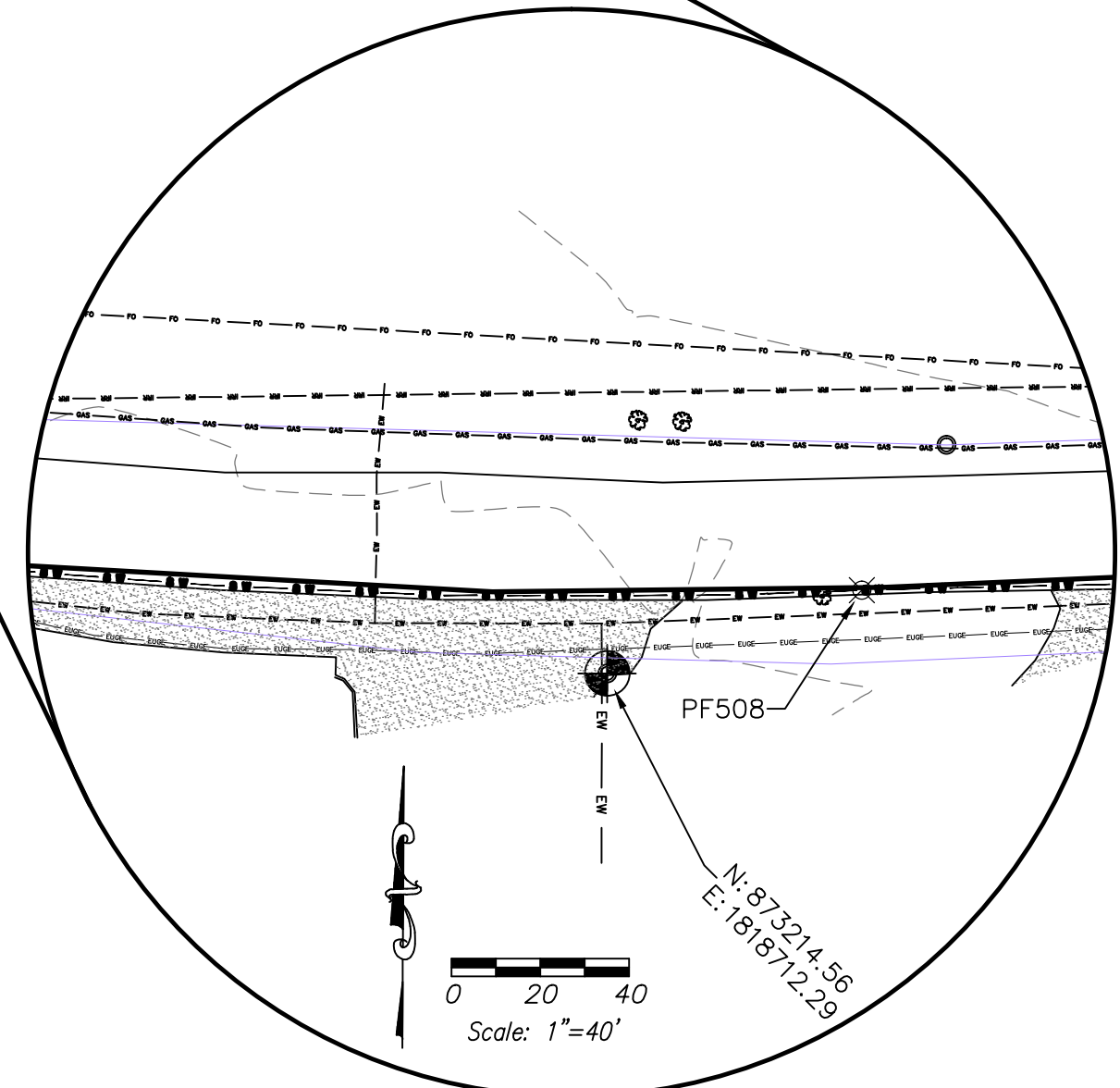
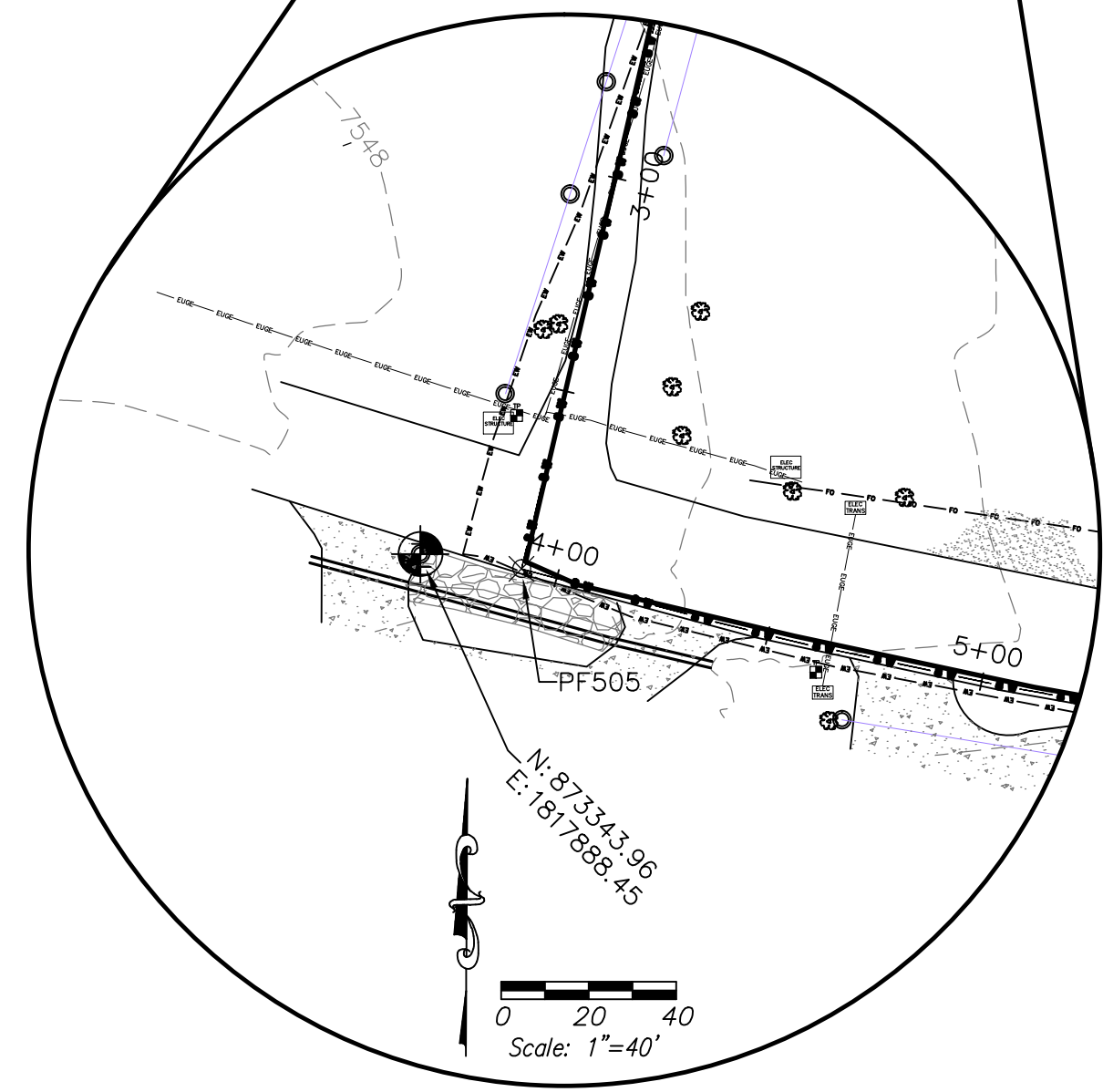
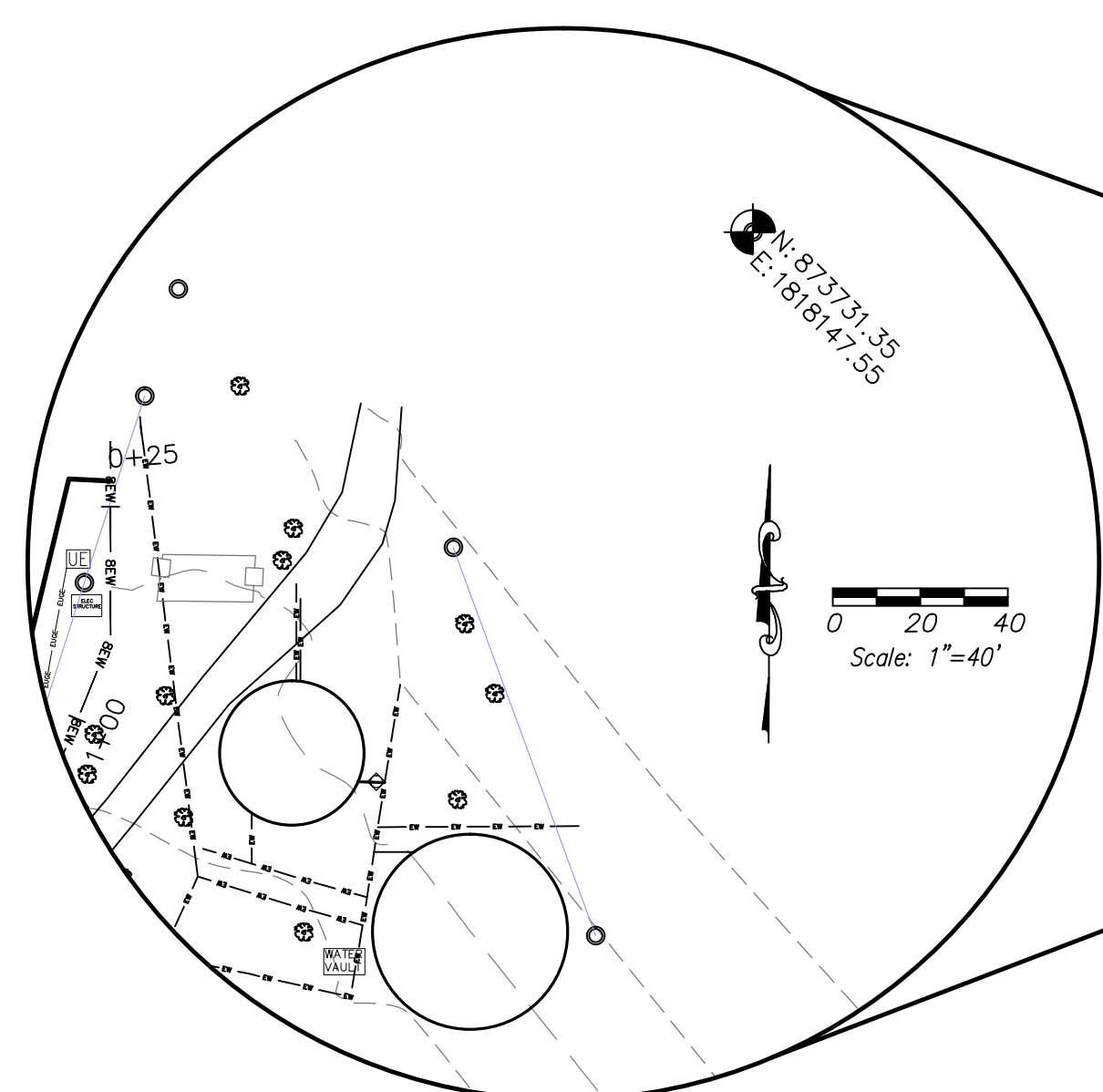
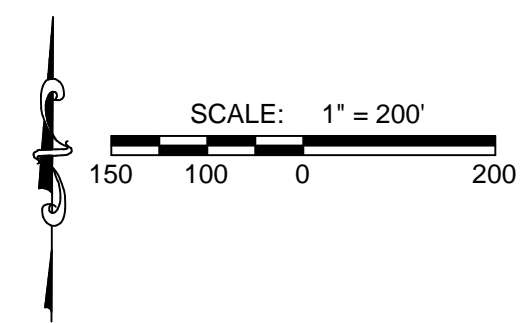


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Key Map #2  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
 G103





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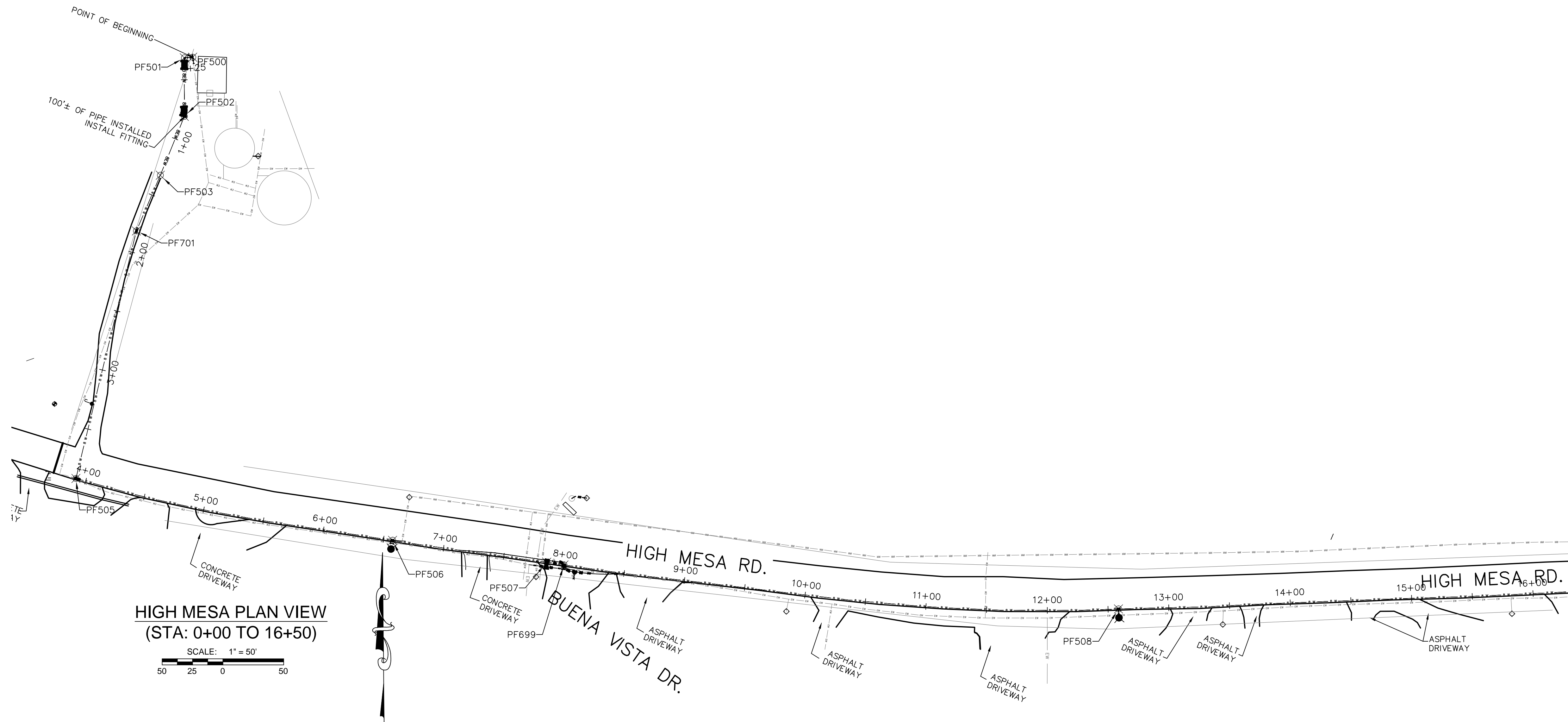


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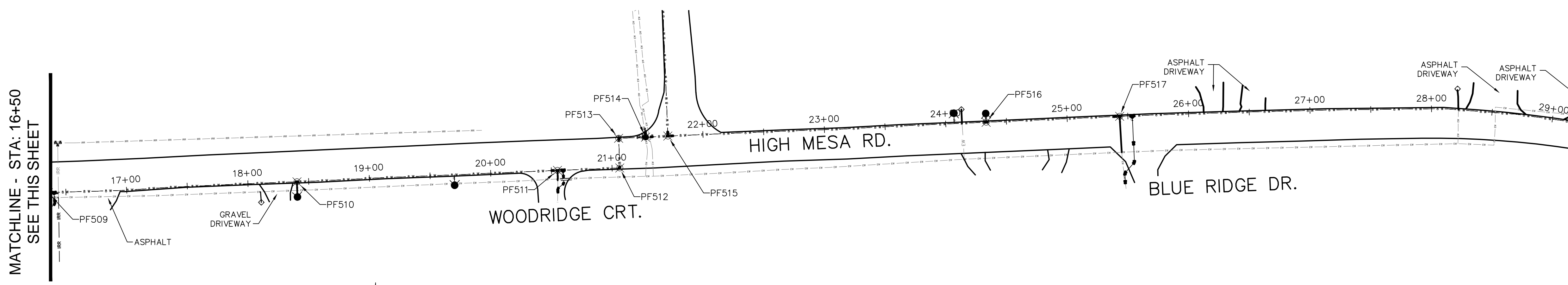
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 G104





**HIGH MESA PLAN VIEW**  
(STA: 0+00 TO 16+50)  
SCALE: 1" = 50'

MATCHLINE - STA: 16+50  
SEE THIS SHEET



**HIGH MESA PLAN VIEW**  
(STA: 16+50 TO 29+50)  
SCALE: 1" = 50'

MATCHLINE - STA: 29+50  
SEE SHEET G106

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Revisions	
By	Date

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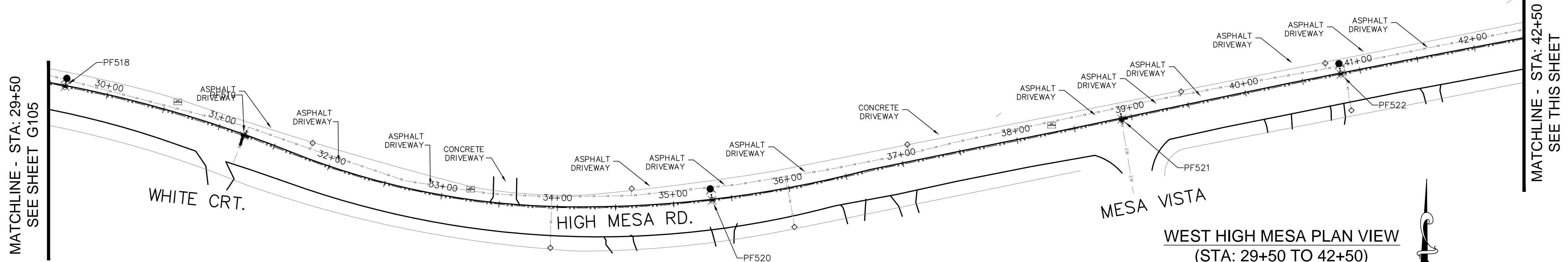


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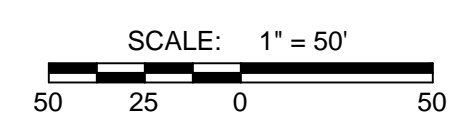
West High Mesa Geometry Sheet (STA: 0+25 To 29+50)  
Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
G105

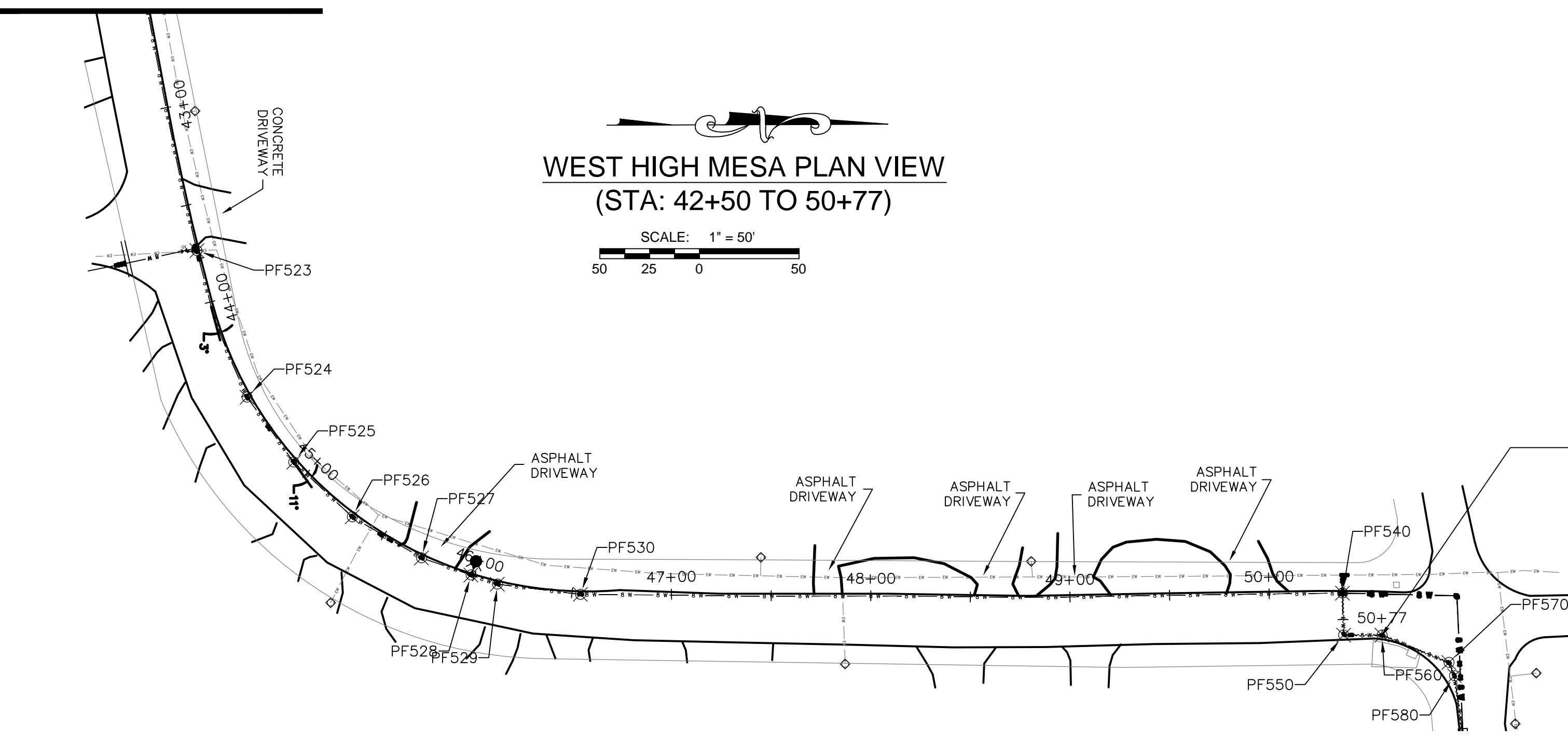




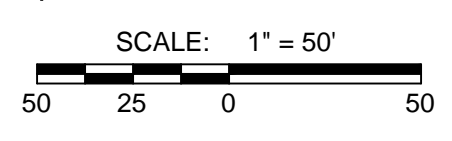
WEST HIGH MESA PLAN VIEW  
(STA: 29+50 TO 42+50)



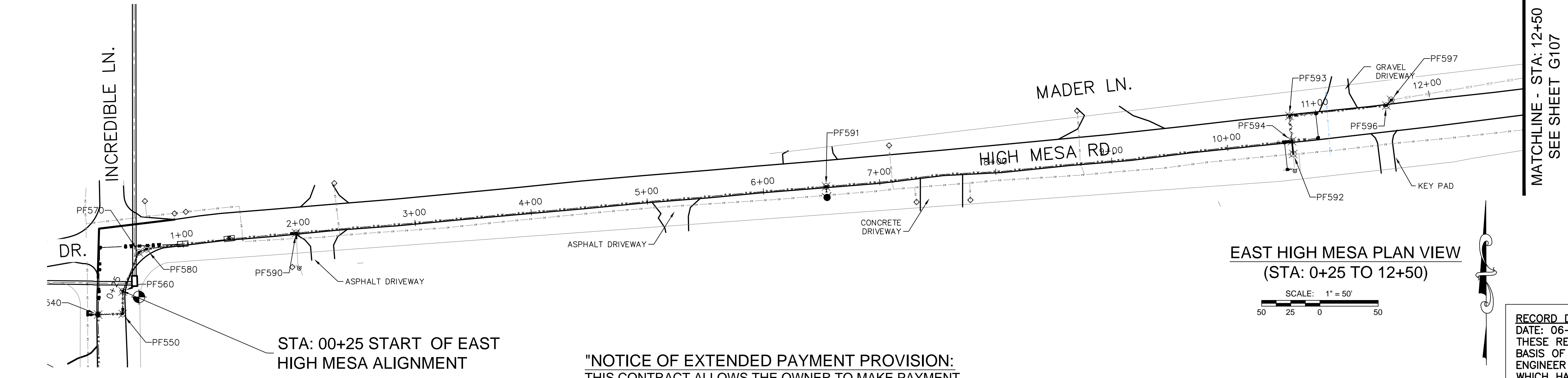
MATCHLINE - STA: 42+50  
SEE THIS SHEET



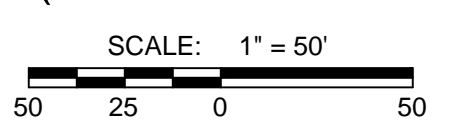
WEST HIGH MESA PLAN VIEW  
(STA: 42+50 TO 50+77)



STA: 50+77 END OF WEST HIGH MESA ALIGNMENT



EAST HIGH MESA PLAN VIEW  
(STA: 0+25 TO 12+50)



STA: 00+25 START OF EAST HIGH MESA ALIGNMENT

**"NOTICE OF EXTENDED PAYMENT PROVISION:**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

**RECORD DRAWING**  
DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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Jul 15, 2013 - 4:15pm  
 P:\GE-AL\WSD\_Records\CAD\wg\Record\_Drawing\_6321934-G106-G110.dwg  
 6/27/13 4:15  
 07-15-2013

Revisions	
By: _____	Date: _____
By: _____	Date: _____
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Date: SEPTEMBER 2012	Drawn: JAD / JLS / AAF
Scale: AS SHOWN	Checked: JG / LUR
	Approved: ELK



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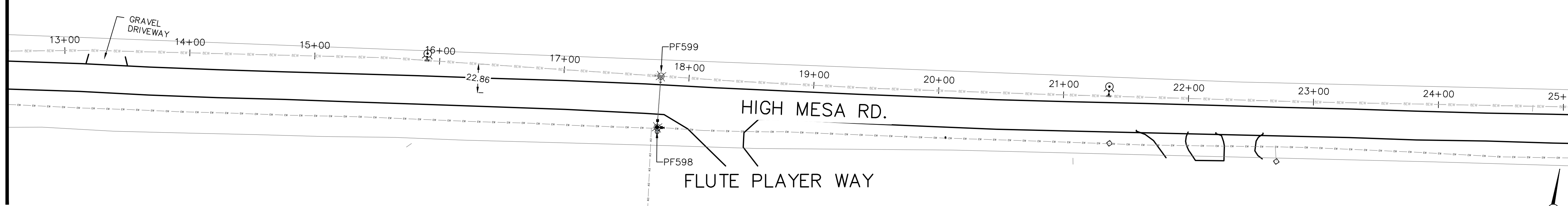
East High Mesa (STA: 29+50 To 50+77) and West High Mesa (STA: 0+25 To 12+50) Geometry Sheet  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
 G106



MATCHLINE - STA: 12+50  
SEE SHEET G106

MATCHLINE - STA: 25+50  
SEE THIS SHEET

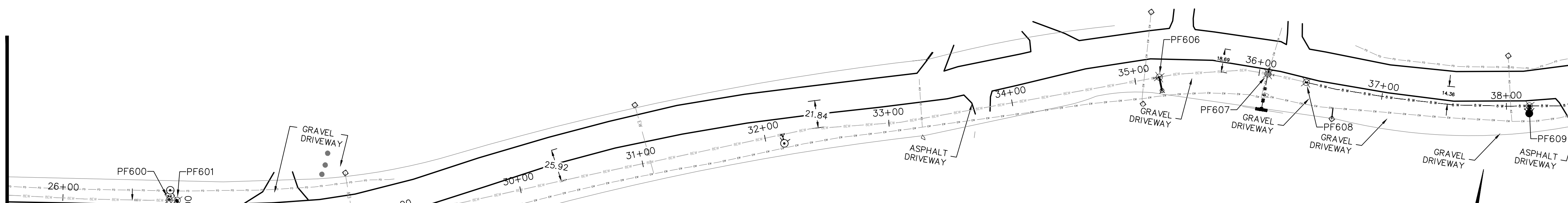


EAST HIGH MESA PLAN VIEW  
(STA:12+50 TO 25+50)

SCALE: 1" = 50'  
50 25 0 50

MATCHLINE - STA: 25+50  
SEE THIS SHEET

MATCHLINE - STA: 38+50  
SEE THIS SHEET

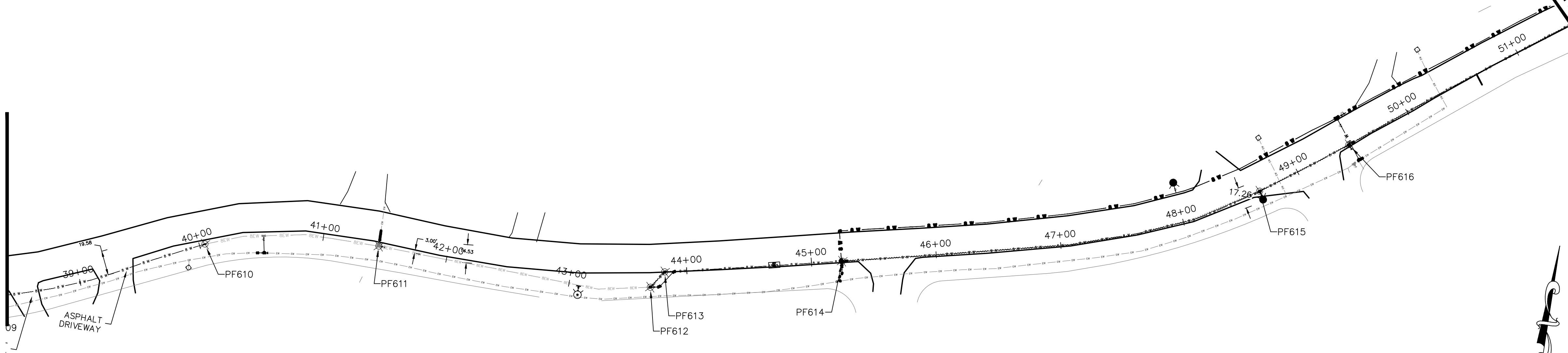


EAST HIGH MESA PLAN VIEW  
(STA:25+50 TO 38+50)

SCALE: 1" = 50'  
50 25 0 50

MATCHLINE - STA: 38+50  
SEE THIS SHEET

MATCHLINE - STA: 51+50  
SEE SHEET G108



EAST HIGH MESA PLAN VIEW  
(STA:38+50 TO 51+50)

SCALE: 1" = 50'  
50 25 0 50

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 DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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**"NOTICE OF EXTENDED PAYMENT PROVISION:**  
 THIS CONTRACT ALLS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Jul 15, 2013 - 4:15pm  
P:\GE-AL\WSD\_Records\Record\_Drawing\6321934-G106-G110.dwg

Revisions	
By	Date

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Scale	AS SHOWN	Checked	JG/LJR
		Approved	ELK

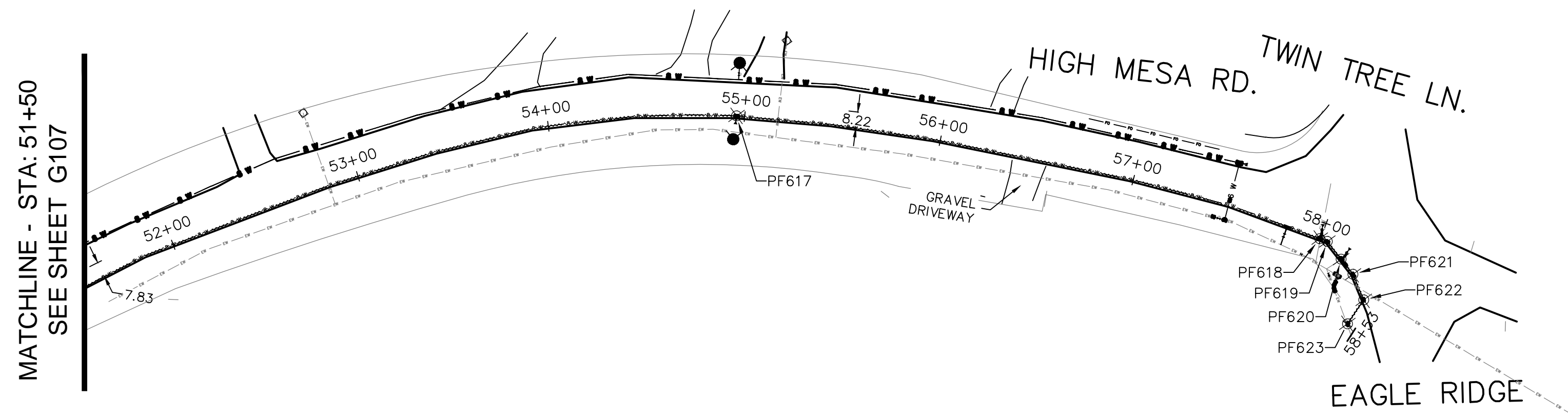


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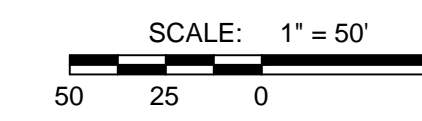
East High Mesa Geometry Sheet (STA: 12+50 To 51+50)  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
 G107





**EAST HIGH MESA PLAN VIEW**  
(STA: 51+50 TO 58+53)



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 DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Jul 15, 2013 - 4:16pm  
 P:\GE-AL\WSD Revised Pn A VL 2012 (6321934)\CAD\wg\Record Drawing\6321934-G106-G110.dwg  
 6321934  
 07-15-2013

Revisions		Date	Drawn
By _____	Date: _____	SEPTEMBER 2012	JAD / JLS / AAF
By _____	Descr.: _____		JG / LJR
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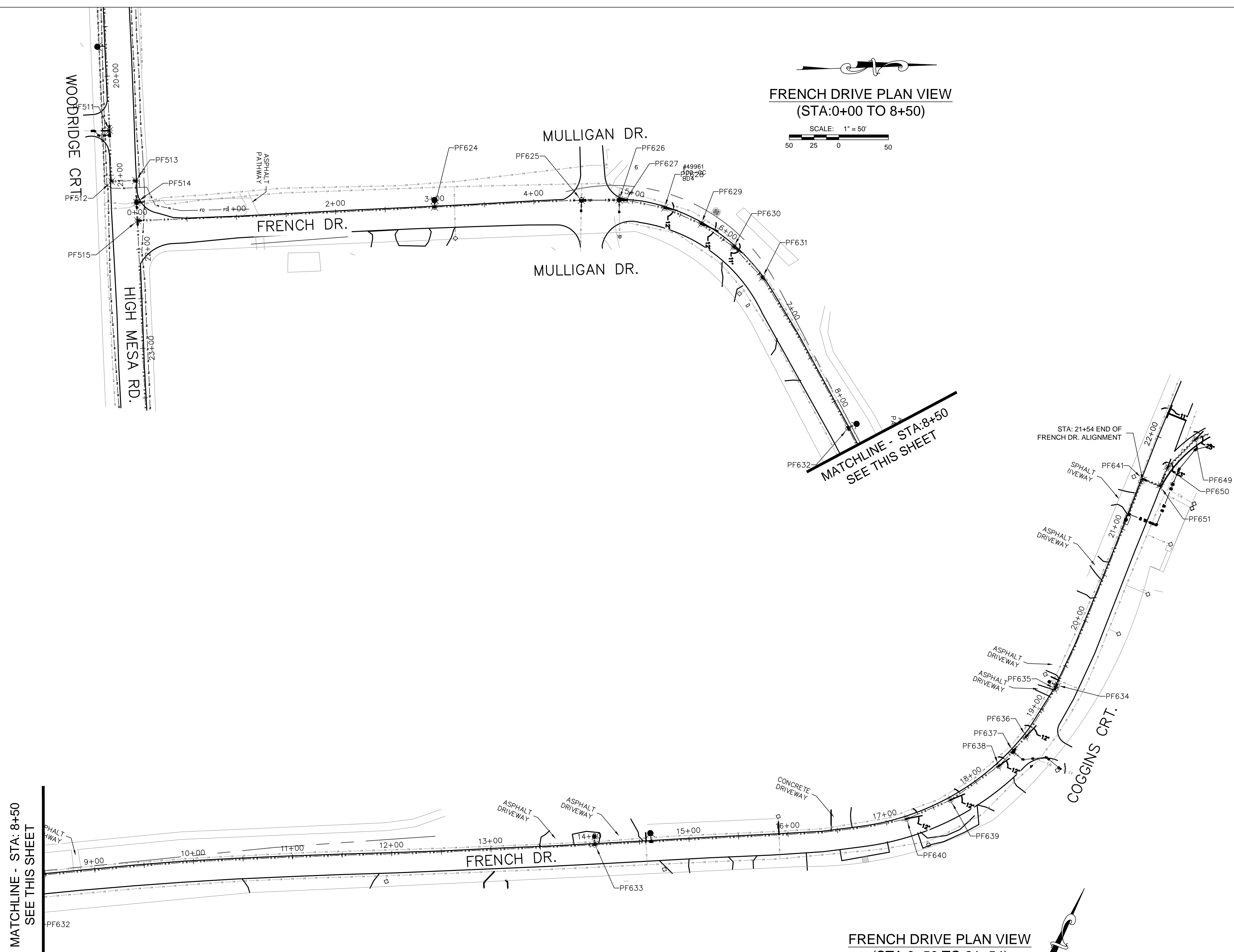
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East High Mesa Geometry Sheet (STA: 51+50 To 58+53)  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

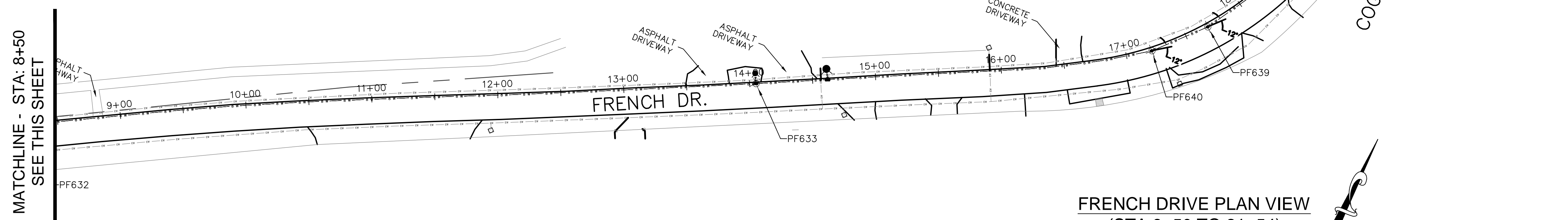
Sheet  
 G108



FRENCH DRIVE PLAN VIEW  
(STA:0+00 TO 8+50)



FRENCH DRIVE PLAN VIEW  
(STA:8+50 TO 21+54)



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**"NOTICE OF EXTENDED PAYMENT PROVISION:**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Jul 15, 2013 - 4:17pm  
 P:\GE-AL\WSD\_Records\Record\_Drawing\6321934-G106-G110.dwg  
 6321934  
 07-15-2013

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By _____	Date: _____
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Date	SEPTEMBER 2012	Drawn	JAD / JLS / AAF
Scale	AS SHOWN	Checked	JG / LJR
		Approved	ELK

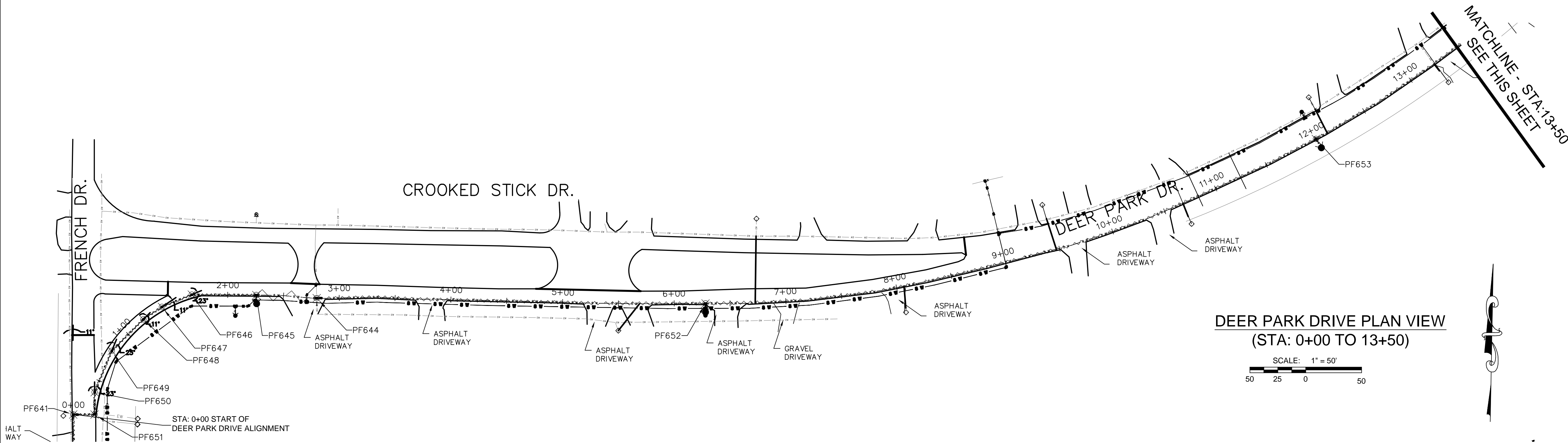


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French Drive Geometry Sheet (STA: 0+00 To 21+54)  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
 G109

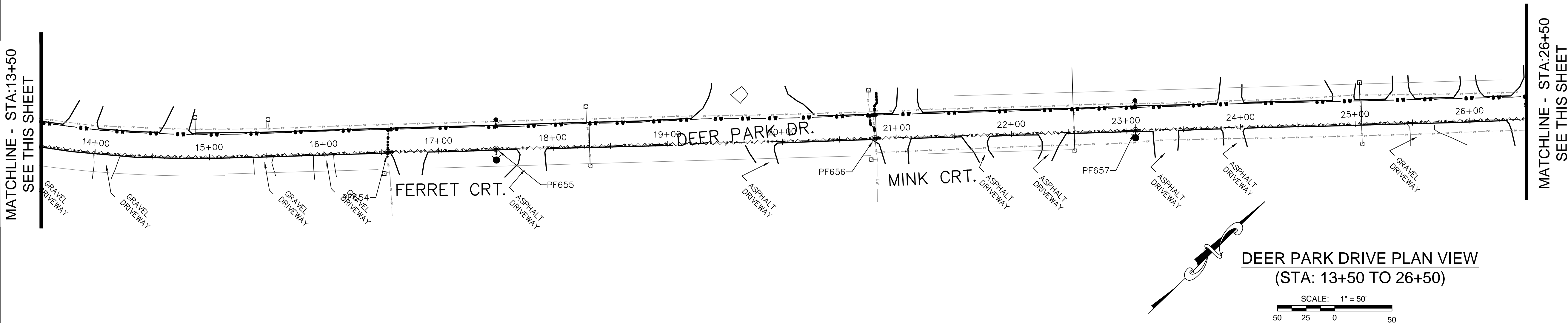




DEER PARK DRIVE PLAN VIEW  
(STA: 0+00 TO 13+50)

SCALE: 1" = 50'

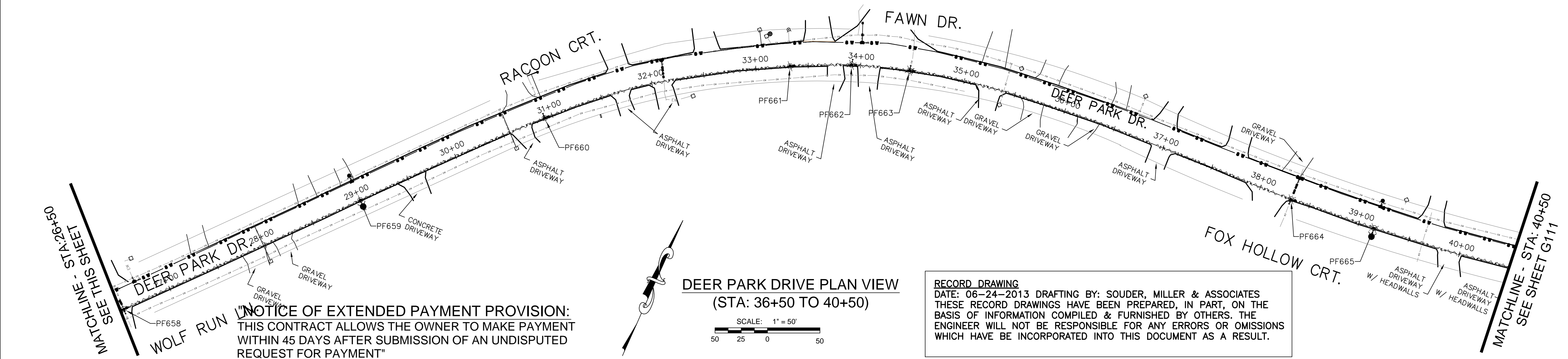
50 25 0 50



DEER PARK DRIVE PLAN VIEW  
(STA: 13+50 TO 26+50)

SCALE: 1" = 50'

50 25 0 50



DEER PARK DRIVE PLAN VIEW  
(STA: 36+50 TO 40+50)

SCALE: 1" = 50'

50 25 0 50

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Jul 15, 2013 - 4:17pm  
P:\GE-AL\WSD\Record\Drawing\6321934-G106-G110.dwg  
07-15-2013

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By	Date

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Scale	AS SHOWN	Checked	JG / LJR
		Approved	ELK



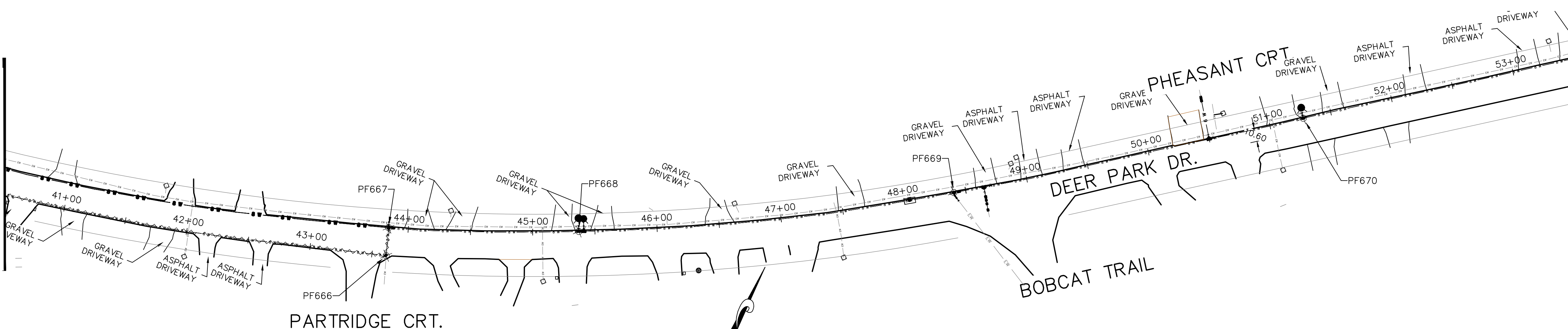
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Deer Park Drive Geometry Sheet (STA: 0+00 To 40+50)  
Alto Lakes W&SD  
Lincoln County, New Mexico

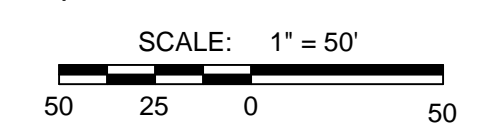
Sheet  
G110



MATCHLINE - STA: 40+50  
SEE SHEET G110

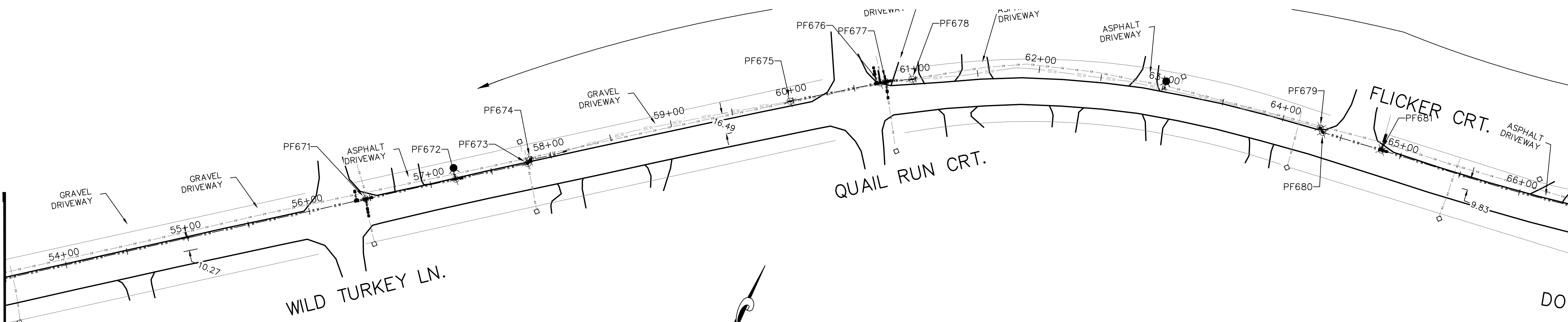


DEER PARK DRIVE PLAN VIEW  
(STA: 40+50 TO 53+50)

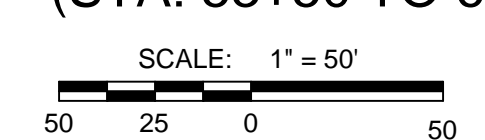


MATCHLINE - STA: 53+50  
SEE THIS SHEET

MATCHLINE - STA: 53+50  
SEE THIS SHEET

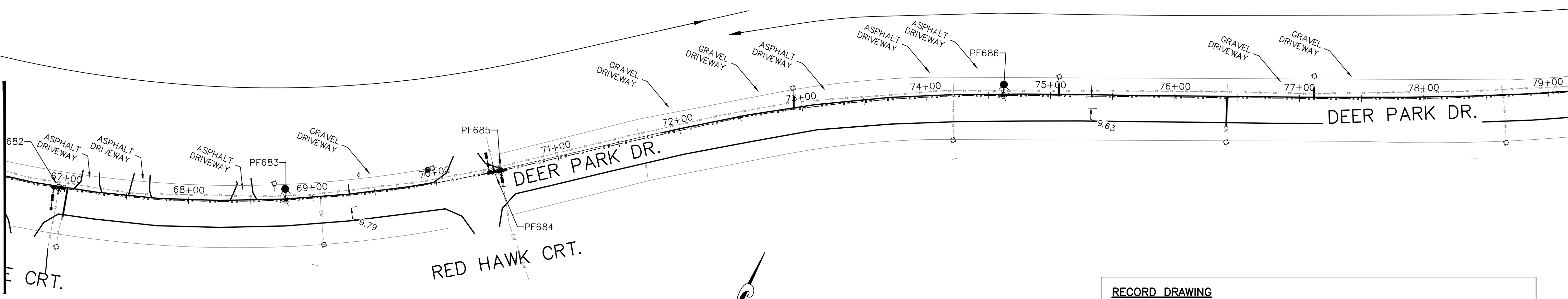


DEER PARK DRIVE PLAN VIEW  
(STA: 53+50 TO 66+50)

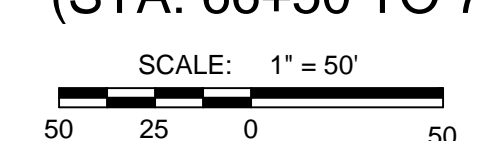


MATCHLINE - STA: 66+50  
SEE THIS SHEET

MATCHLINE - STA: 66+50  
SEE THIS SHEET



DEER PARK DRIVE PLAN VIEW  
(STA: 66+50 TO 79+50)



MATCHLINE - STA: 79+50  
SEE SHEET G112

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**"NOTICE OF EXTENDED PAYMENT PROVISION:**  
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Jul 15, 2013 4:18pm P:\AL\ALSD Revised Ph. A. VL, 2012 (6321934)\CAD\wg\Record Drawing\_6321934-G106-G110.dwg

Revisions	
By: _____	Date: _____
By: _____	Date: _____
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Date: SEPTEMBER 2012	Drawn: JAD / JLS / AAF
Scale: AS SHOWN	Checked: JG / LJR
	Approved: ELK

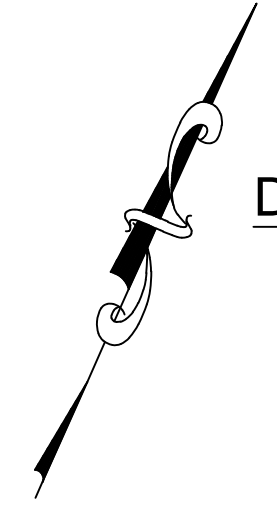


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Deer Park Drive Geometry Sheet (STA: 40+50 To 79+50)  
 Alto Lakes W&SD  
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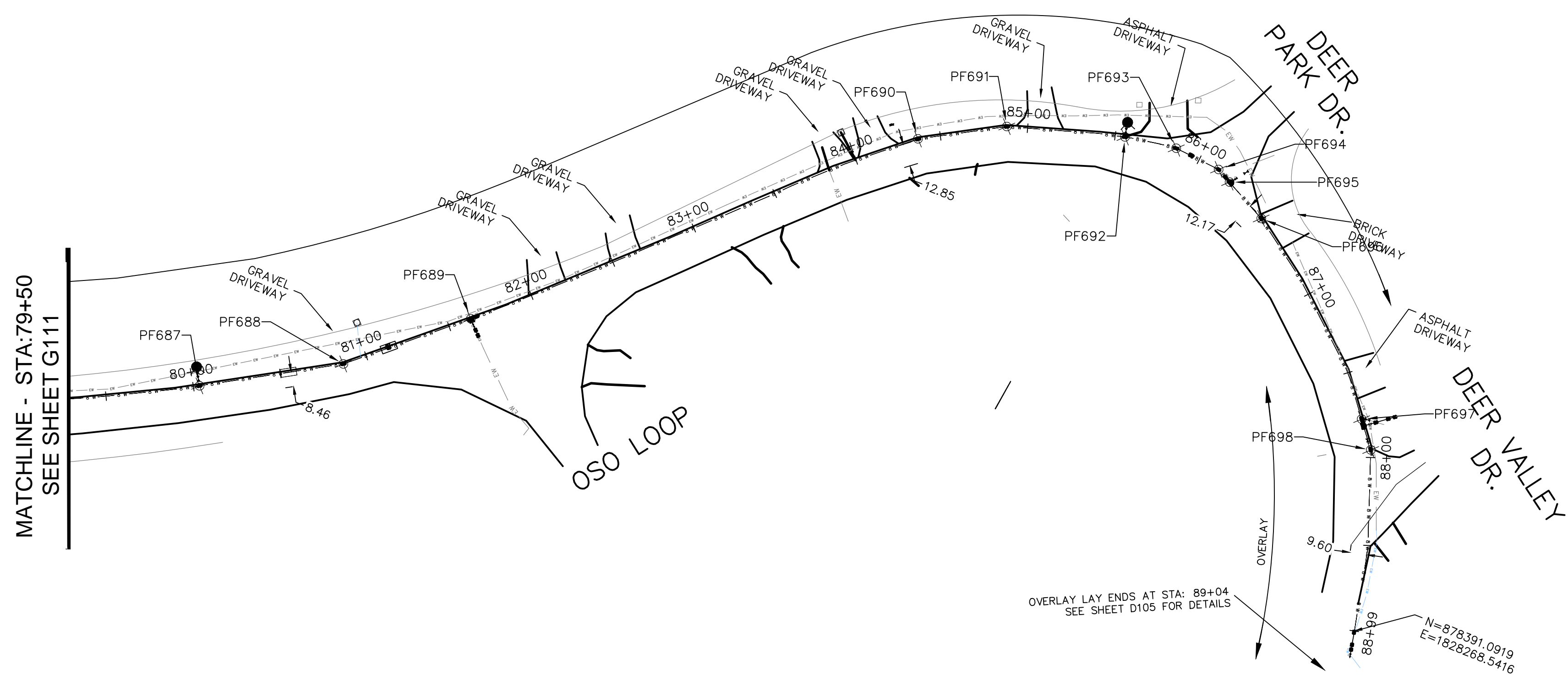
Sheet  
 G111





**DEER PARK DRIVE PLAN VIEW**  
(STA: 79+50 TO 88+99)

SCALE: 1" = 50'  
50 25 0 50



MATCHLINE - STA: 79+50  
SEE SHEET G111

**RECORD DRAWING**  
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**"NOTICE OF EXTENDED PAYMENT PROVISION:**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Jul 16, 2013 - 10:03am  
P:\6-AL\WSD Revised Ph. A W.L. 2012 6321934\CAD\dwg\Record Drawing\6321934-G106-G110.dwg  
6321934  
07-16-2013

Revisions	
By: _____	Date: _____ Descr.: _____
By: _____	Date: _____ Descr.: _____

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Scale: <u>AS SHOWN</u>	Checked: <u>JG/LJR</u>
	Approved: <u>ELK</u>



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Deer Park Drive Geometry Sheet (STA: 79+50 To 88+99)  
Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
G112





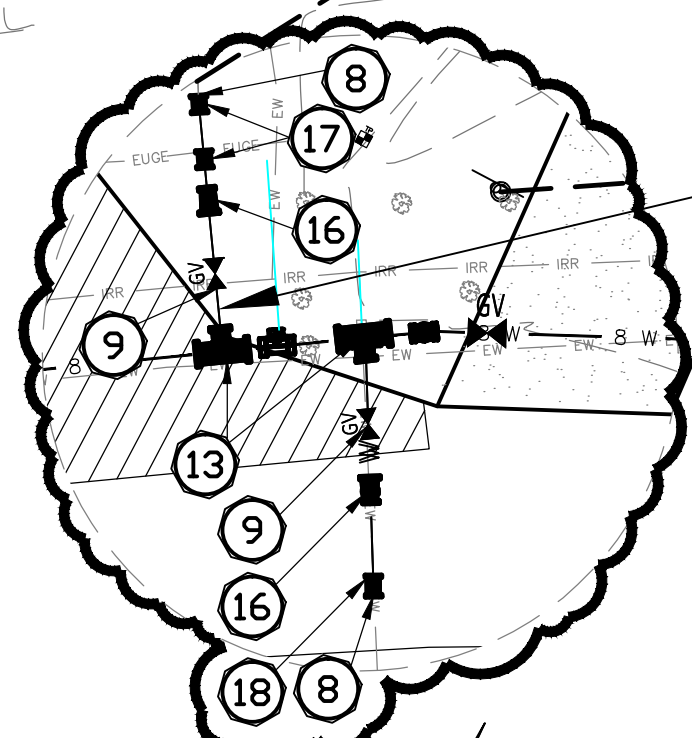


MATCHLINE - STA: 57+50 SEE SHEET C113

MATCHLINE - STA: 72+50 SEE SHEET C115

DEER PARK DRIVE PLAN VIEW  
(STA: 57+50 TO 72+50)

SCALE: 1" = 50'



KEY NOTES:

- 1 CONTRACTOR TO INSTALL 8" WATERLINE
- 2 CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"x8"x6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- 3 CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE, SEE SHEET D102 FOR DETAILS
- 4 CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- 5 ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- 6 CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- 7 CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- 8 CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D101 FOR DETAILS
- 9 CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS

NOTES:

- 1. CONTRACTOR NOT TO TIE INTO OR OTHERWISE IMPACT EXISTING IRRIGATION LINE ON NORTH SIDE OF DEER PARK DRIVE.
- 2. AREAS OF UTILITY CONGESTIONS THROUGHOUT PROPOSED WATERLINE PLACEMENT AREA. USE CAUTION DURING CONSTRUCTION.

- 10 ASPHALT OVERLAY AT SIDE STREET CROSSINGS, SEE SHEET D105 FOR DETAILS
- 11 CONTRACTOR TO RESTORE RIP-RAP FORM APPROXIMATE STA: 63+00 AND REPLACE AT THIS LOCATION, SEE SHEET D103 FOR DETAILS
- 12 CONTRACTOR TO INSTALL 8"x45" BEND, SEE SHEET D100 FOR DETAILS
- 13 CONTRACTOR TO INSTALL 8"x8"x6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- 14 CONTRACTOR TO TIE INTO EXISTING CONDUITS
- 15 CONTRACTOR TO CROSS DRIVEWAY AND REPAIR BACK TO EXISTING, SEE SHEET D104 FOR DETAILS

- 16 CONTRACTOR TO INSTALL 6"x3" REDUCER, SEE SHEET D100 FOR DETAILS
- 17 CONTRACTOR TO INSTALL 3" 45° BEND, SEE SHEET D100 FOR DETAILS
- 18 CONTRACTOR TO INSTALL 3" COUPLING, SEE SHEET D100 FRO DETAILS

RECORD DRAWING  
 DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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7375

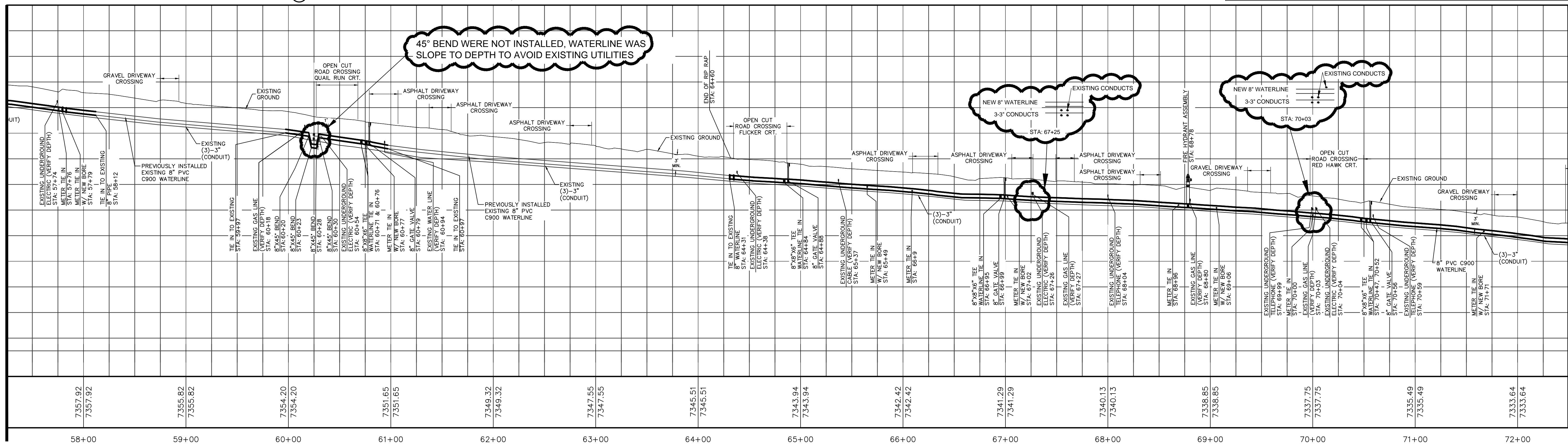
7375

MATCHLINE - STA: 57+50 SEE SHEET C113

MATCHLINE - STA: 72+50 SEE SHEET C115

7325

7325



DEER PARK DRIVE PROFILE VIEW  
(STA: 57+50 TO 72+50)

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'

"NOTICE OF EXTENDED PAYMENT PROVISION;  
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Jul 15, 2013 - 13:29:28 - 132928 - P:\C-A\USD Revised Ph. A. Vol. 2012 (6321934)\CAD\dwg\Record Dwg\6321934-C110-C116.dwg

06-06-2012

Revisions  
 By: MEW Date: FEB. 2012 Descr.: WATERLINE REDESIGN  
 By: Date: Descr.:  
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Date: SEPTEMBER 2012 Drawn: JAD/LJS/AAF  
 Checked: JG/LJR  
 Scale: AS SHOWN Approved: ELK



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Deer Park Drive Plan & Profile (STA: 57+50 to 72+50)  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet C114

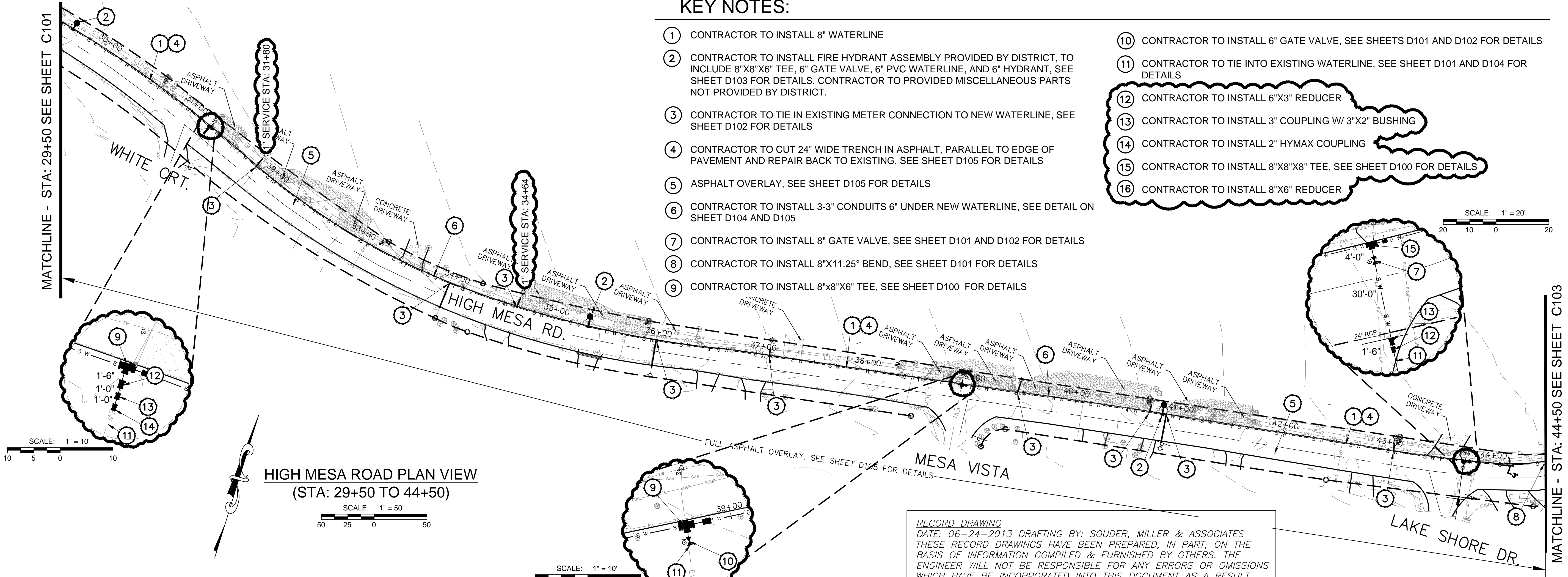






**KEY NOTES:**

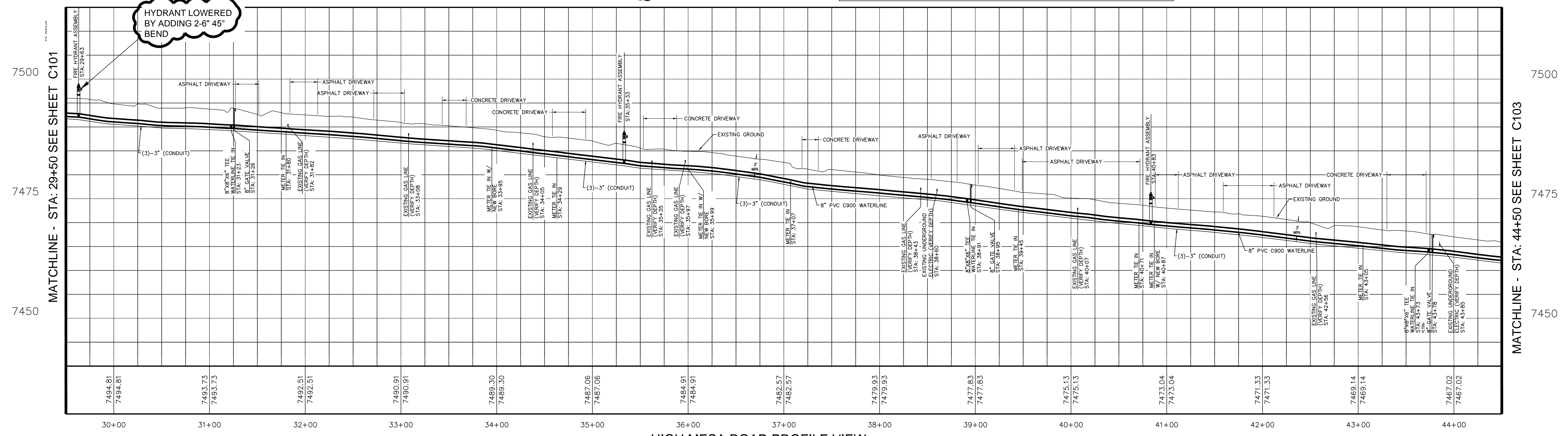
- ① CONTRACTOR TO INSTALL 8" WATERLINE
- ② CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"x8"x6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- ③ CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE, SEE SHEET D102 FOR DETAILS
- ④ CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- ⑤ ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- ⑥ CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- ⑦ CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEET D101 AND D102 FOR DETAILS
- ⑧ CONTRACTOR TO INSTALL 8"x11.25" BEND, SEE SHEET D101 FOR DETAILS
- ⑨ CONTRACTOR TO INSTALL 8"x8"x6" TEE, SEE SHEET D100 FOR DETAILS
- ⑩ CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑪ CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D101 AND D104 FOR DETAILS
- ⑫ CONTRACTOR TO INSTALL 6"x3" REDUCER
- ⑬ CONTRACTOR TO INSTALL 3" COUPLING W/ 3"x2" BUSHING
- ⑭ CONTRACTOR TO INSTALL 2" HYMAX COUPLING
- ⑮ CONTRACTOR TO INSTALL 8"x8"x8" TEE, SEE SHEET D100 FOR DETAILS
- ⑯ CONTRACTOR TO INSTALL 8"x6" REDUCER



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 DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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**HIGH MESA ROAD PLAN VIEW**  
 (STA: 29+50 TO 44+50)

**HIGH MESA ROAD PROFILE VIEW**  
 (STA: 29+50 TO 44+50)



**"NOTICE OF EXTENDED PAYMENT PROVISION; THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"**

By	Date	Revisions	Descr.

Date	SEPTEMBER 2012	Drawn	JAD/LS/AAF
By		Checked	JG/LJR
Scale	AS SHOWN	Approved	ELK

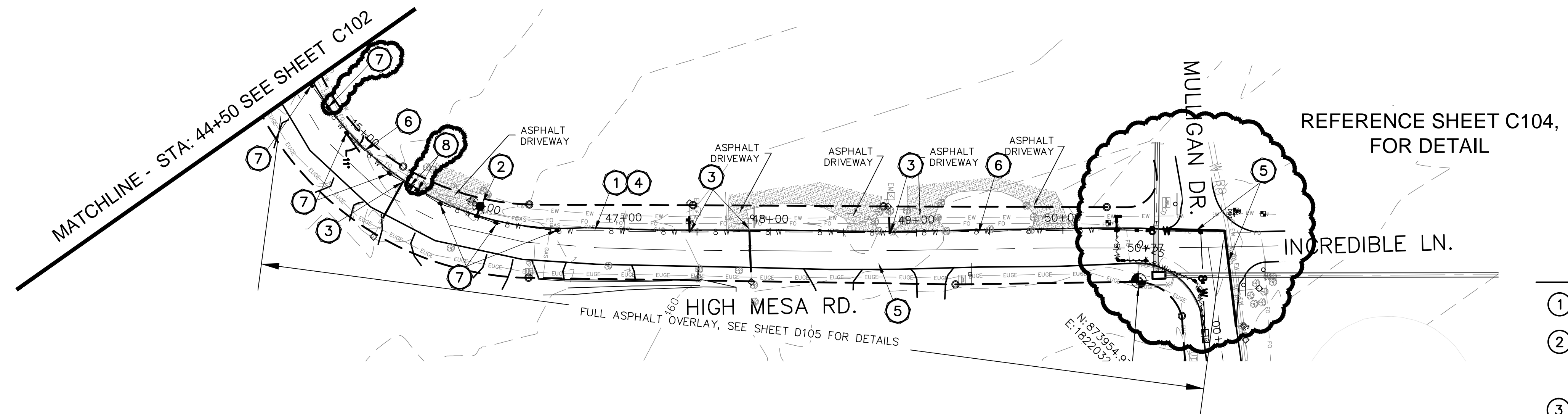


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West High Mesa Road Plan & Profile (STA: 29+50 to 44+50)  
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Sheet  
 C102

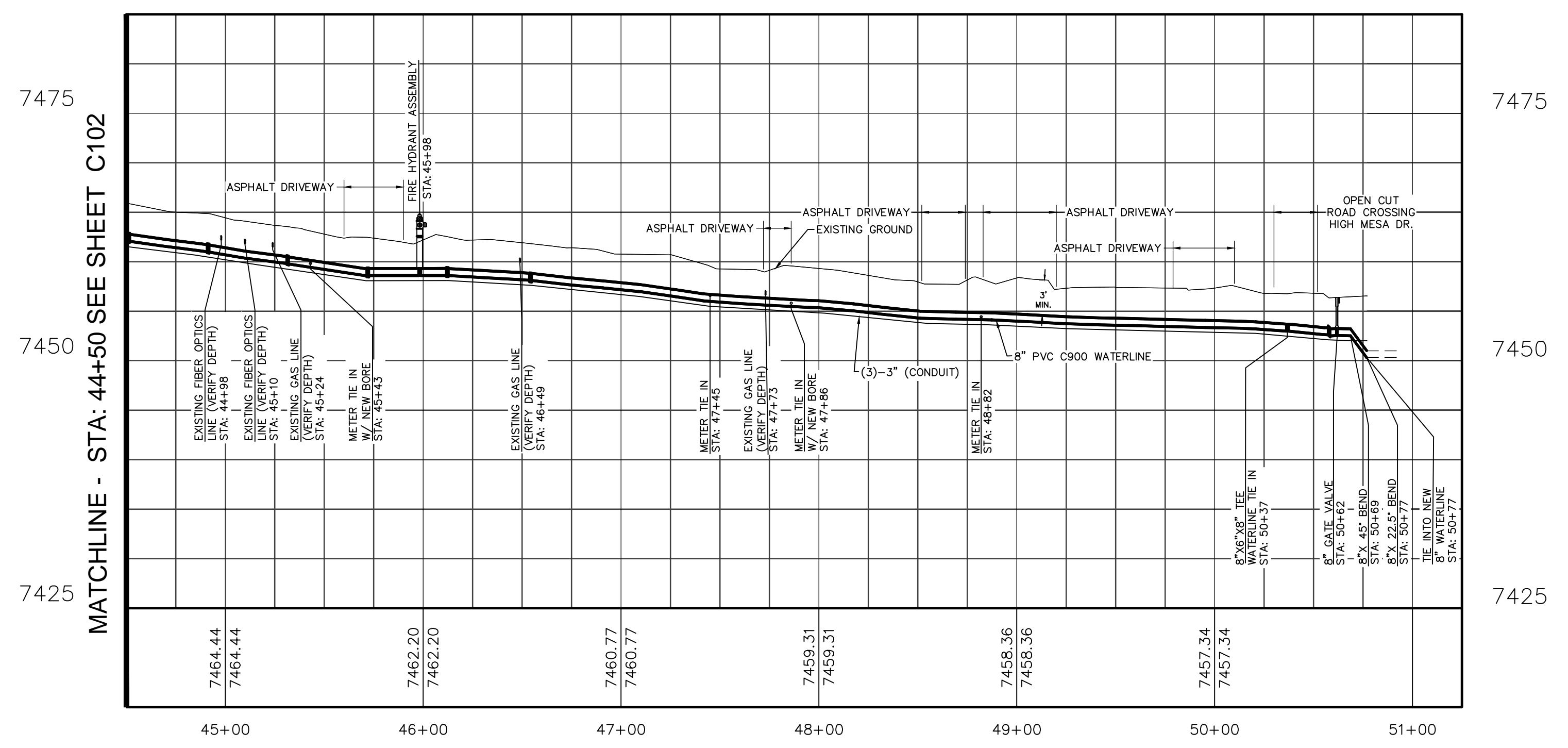




**HIGH MESA ROAD PLAN VIEW**  
(STA: 44+50 TO 50+77)  
SCALE: 1" = 50'

**KEY NOTES:**

- ① CONTRACTOR TO INSTALL 8" WATERLINE
- ② CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- ③ CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE, SEE SHEET D102 FOR DETAILS
- ④ CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- ⑤ ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- ⑥ CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- ⑦ CONTRACTOR TO INSTALL 8"X11.25" BEND, SEE SHEET D101 FOR DETAILS
- ⑧ CONTRACTOR TO INSTALL 8"X 22.5 BEND, SEE SHEET D101 FOR DETAILS



**HIGH MESA ROAD PROFILE VIEW**  
(STA: 44+50 TO 50+77)  
HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'

**RECORD DRAWING**  
DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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**"NOTICE OF EXTENDED PAYMENT PROVISION;  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT  
WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED  
REQUEST FOR PAYMENT"**

Revisions	
By: _____	Date: _____ Descr.: _____
By: _____	Date: _____ Descr.: _____

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Date: SEPTEMBER 2012	Drawn: JAD/ JLS/ AAF
Checked: _____	Approved: _____
Scale: AS SHOWN	Approved: ELK

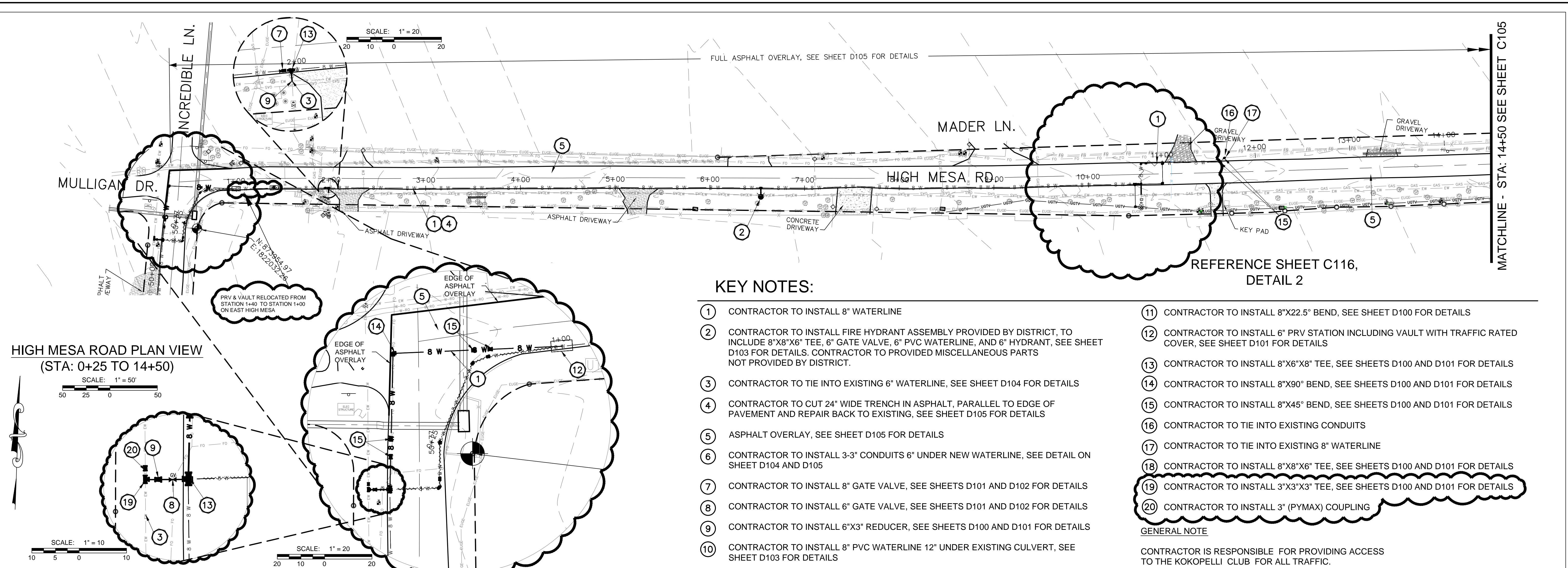


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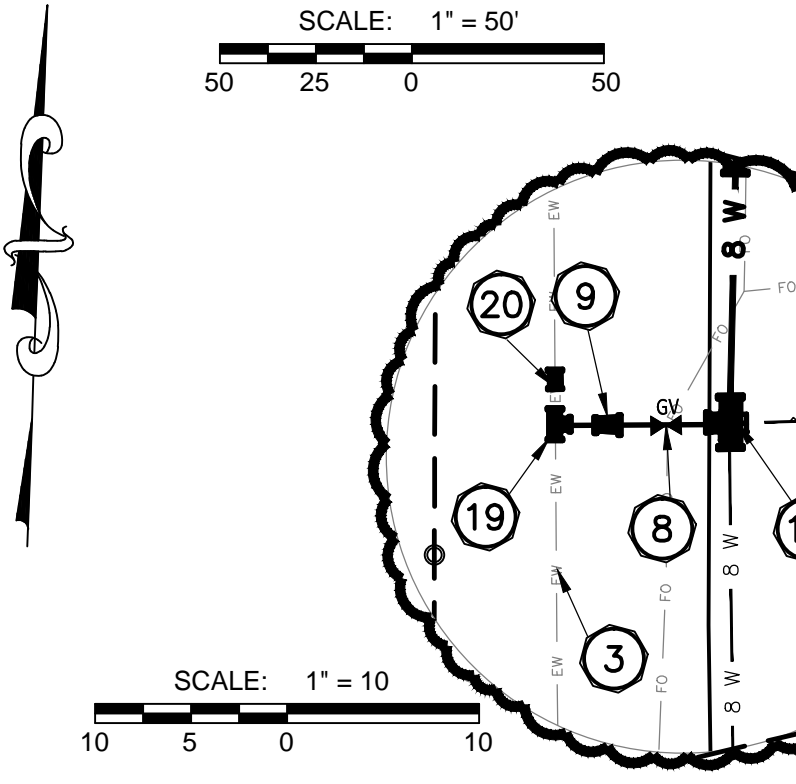
West High Mesa Road Plan & Profile (STA: 44+50 to 50+77)  
Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
C103





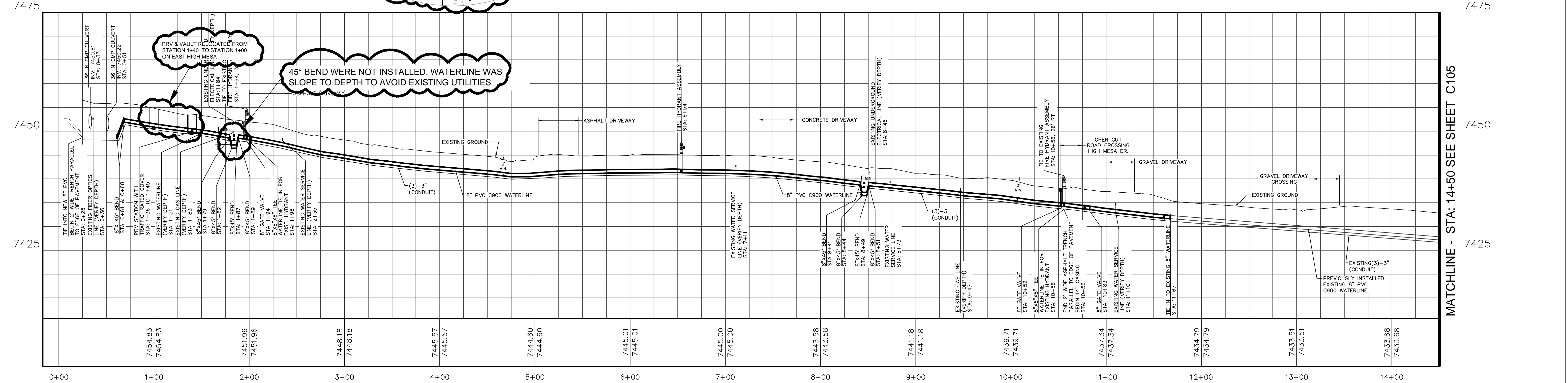
**HIGH MESA ROAD PLAN VIEW**  
(STA: 0+25 TO 14+50)



**KEY NOTES:**

- 1 CONTRACTOR TO INSTALL 8" WATERLINE
- 2 CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- 3 CONTRACTOR TO TIE INTO EXISTING 6" WATERLINE, SEE SHEET D104 FOR DETAILS
- 4 CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- 5 ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- 6 CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- 7 CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- 8 CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- 9 CONTRACTOR TO INSTALL 6"X3" REDUCER, SEE SHEETS D100 AND D101 FOR DETAILS
- 10 CONTRACTOR TO INSTALL 8" PVC WATERLINE 12" UNDER EXISTING CULVERT, SEE SHEET D103 FOR DETAILS
- 11 CONTRACTOR TO INSTALL 8"X22.5" BEND, SEE SHEET D100 FOR DETAILS
- 12 CONTRACTOR TO INSTALL 6" PRV STATION INCLUDING VAULT WITH TRAFFIC RATED COVER, SEE SHEET D101 FOR DETAILS
- 13 CONTRACTOR TO INSTALL 8"X6"X8" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- 14 CONTRACTOR TO INSTALL 8"X90° BEND, SEE SHEETS D100 AND D101 FOR DETAILS
- 15 CONTRACTOR TO INSTALL 8"X45° BEND, SEE SHEETS D100 AND D101 FOR DETAILS
- 16 CONTRACTOR TO TIE INTO EXISTING CONDUITS
- 17 CONTRACTOR TO TIE INTO EXISTING 8" WATERLINE
- 18 CONTRACTOR TO INSTALL 8"X8"X6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- 19 CONTRACTOR TO INSTALL 3"X3"X3" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- 20 CONTRACTOR TO INSTALL 3" (PYMAX) COUPLING

**GENERAL NOTE**  
CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCESS TO THE KOKOPELLI CLUB FOR ALL TRAFFIC.



7475

MATCHLINE - STA: 14+50 SEE SHEET C105

**HIGH MESA ROAD PROFILE VIEW**  
(STA: 0+25 TO 14+50)

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'

**RECORD DRAWING**  
DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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**"NOTICE OF EXTENDED PAYMENT PROVISION:**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

By	Date	Descr.

Date	Drawn	Checked	Approved
SEPTEMBER 2012	JAD/ JLS/ AAF	JG/ LJR	ELK



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Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
C104



**RECORD DRAWING**  
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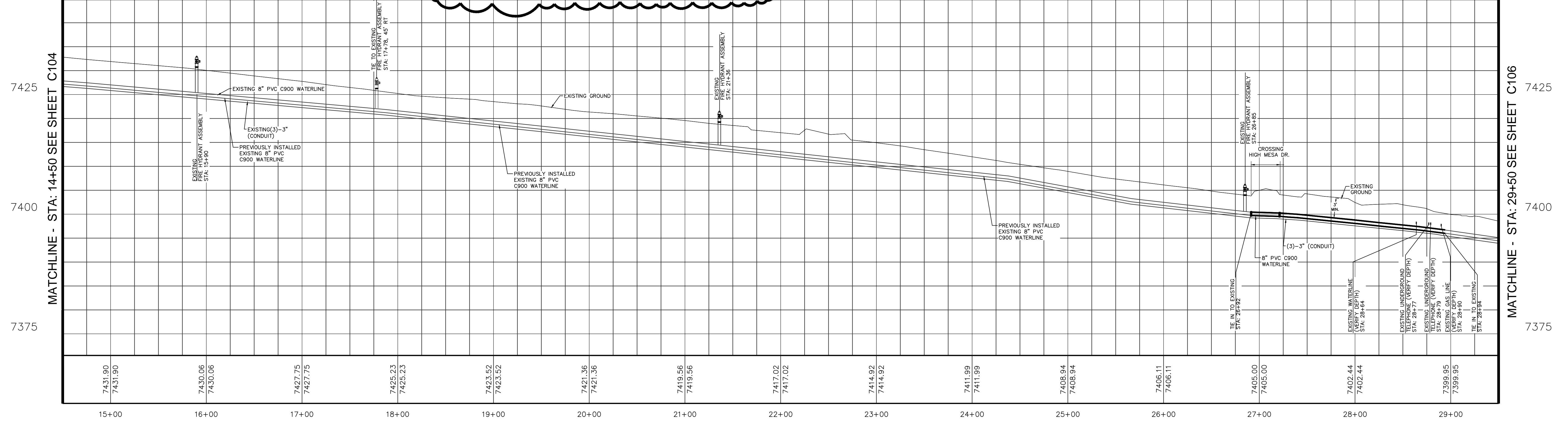
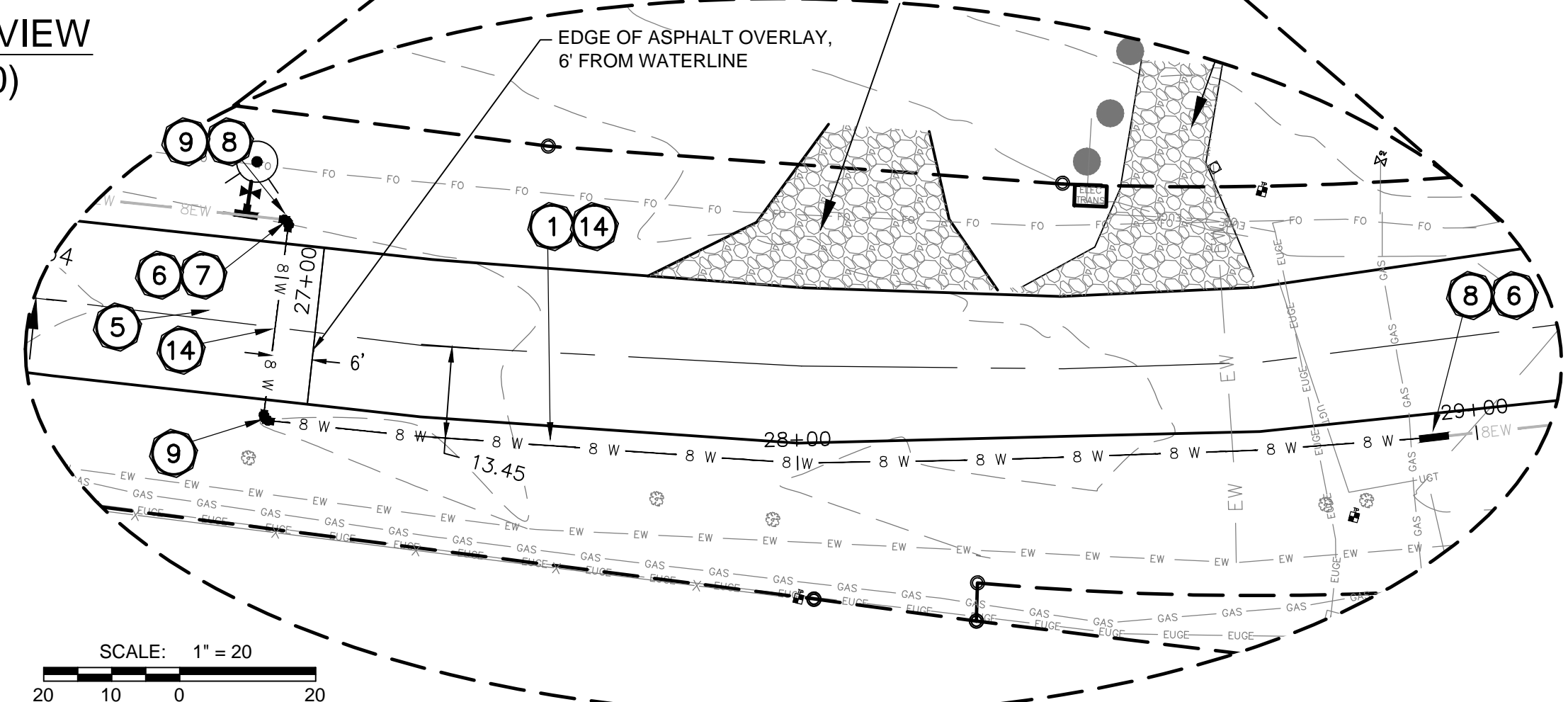
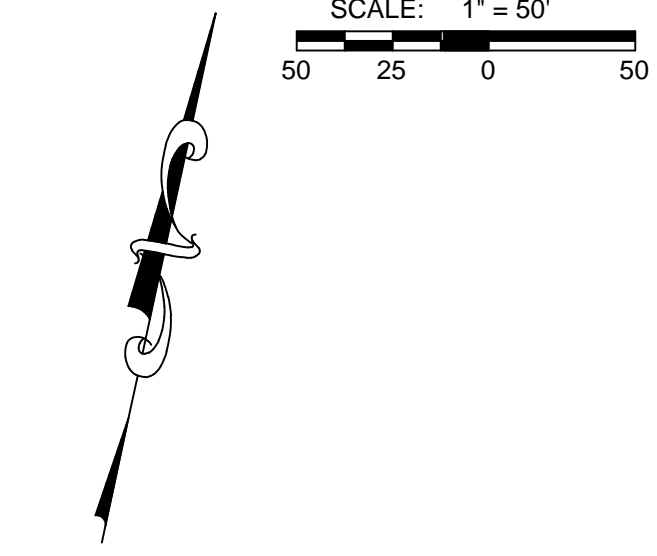
MATCHLINE - STA: 14+50 SEE SHEET C104

MATCHLINE - STA: 29+50 SEE SHEET C106

**KEY NOTES:**

- ① CONTRACTOR TO INSTALL 8" WATERLINE
- ② CONTRACTOR TO EXCAVATE A 6' RADIUS AROUND THE FIRE HYDRANT, DOWN TO THE ELBOW, AND ADJUST LENGTH OF BARREL SEE SHEET D103; BACKFILL AND COMPACT ACCORDING TO SPECIFICATIONS
- ③ CONTRACTOR TO VERIFY LOCATION OF 8"x8"x6" TEE
- ④ CONTRACTOR TO INSTALL 6" WATERLINE
- ⑤ ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- ⑥ CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET C104 AND C105
- ⑦ CONTRACTOR TO TIE IN TO EXISTING CONDUITS
- ⑧ CONTRACTOR TO TIE-INTO EXISTING 8" WATERLINE
- ⑨ CONTRACTOR TO TO INSTALL 8"x90° BEND, SEE SHEET D100 FOR DETAILS
- ⑩ CONTRACTOR TO INSTALL 8"x8"x6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- ⑪ CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑫ CONTRACTOR TO INSTALL 6"x6"x6" CROSS
- ⑬ CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑭ CONTRACTOR TO OPEN CUT ROADWAY & REPAIR BACK TO EXISTING, SEE SHEET D104 FOR DETAILS
- ⑮ CONTRACTOR TO INSTALL 8" PVC WATERLINE IN SHOULDER
- ⑯ CONTRACTOR TO TIE INTO EXISTING FIRE HYDRANT
- ⑰ CONTRACTOR TO INSTALL 6"x6"x6" TEE, SEE SHEET D100 AND D101 FOR DETAILS
- ⑱ CONTRACTOR TO INSTALL 6" (HYMAX) COUPLING
- ⑲ CONTRACTOR TO INSTALL 6" 45° BEND, SEE SHEET D100 FOR DETAILS

**HIGH MESA ROAD PLAN VIEW  
 (STA: 14+50 TO 29+50)**



**HIGH MESA ROAD PROFILE VIEW  
 (STA: 14+50 TO 29+50)**

HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 10'

**"NOTICE OF EXTENDED PAYMENT PROVISION;  
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT  
 WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED  
 REQUEST FOR PAYMENT"**

6/27/13  
 08-06-2012  
 Revisions  
 By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
 By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
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Date: SEPTEMBER 2012  
 Drawn: JAD/ JLS/ AAF  
 Checked: JG/ LJR  
 Approved: ELK  
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Sheet  
 C105



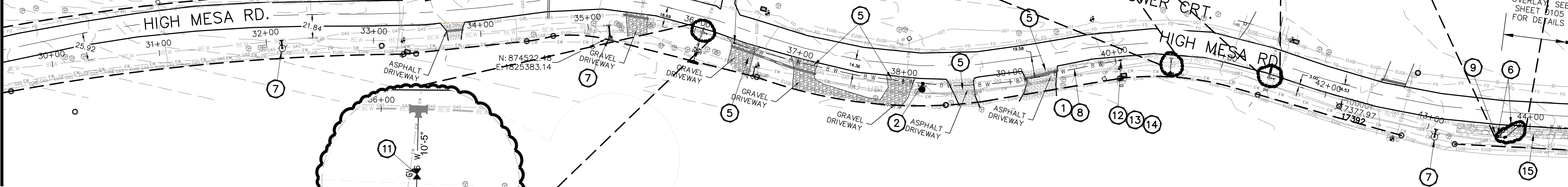
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 DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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SCALE: 1" = 10'

SCALE: 1" = 10'

MATCHLINE - STA: 29+50 SEE SHEET C105

MATCHLINE - STA: 44+50 SEE SHEET C107



HIGH MESA ROAD PLAN VIEW  
 (STA: 29+50 TO 44+50)

SCALE: 1" = 50'

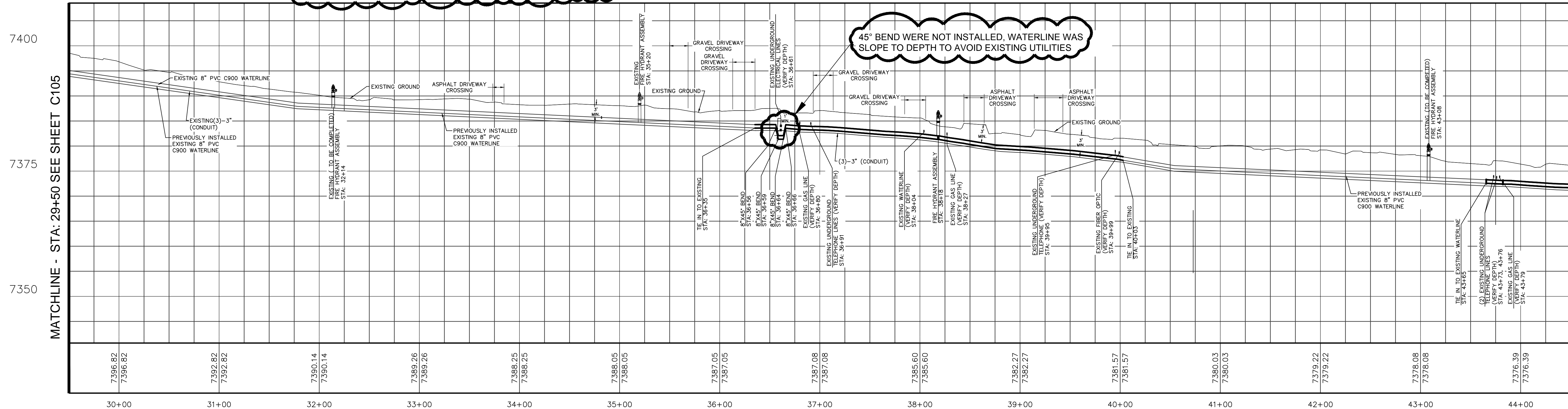
SCALE: 1" = 10'

- 16 CONTRACTOR TO INSTALL 6"X6"X6" TEE, SEE SHEETS D101 AND D102 FOR DETAILS
- 17 CONTRACTOR TO INSTALL 6" SOLID SLEEVE, SEE SHEET D101 FOR DETAILS
- 18 CONTRACTOR TO INSTALL 6" (HYMAX) COUPLING, SEE SHEET D101 FOR DETAILS
- 19 CONTRACTOR INSTALL 6"X3" REDUCER, SEE SHEET D101 FOR DETAILS
- 20 CONTRACTOR INSTALL 3"X2" REDUCER, SEE SHEET D101 FOR DETAILS
- 21 CONTRACTOR TO INSTALL 3" 45° BEND, SEE SHEET D101 FOR DETAILS
- 22 CONTRACTOR TO INSTALL 6" CAP, SEE SHEET 101 FOR DETAILS

KEY NOTES:

- 1 CONTRACTOR TO INSTALL 8" WATERLINE
- 2 CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- 3 CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- 4 CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D104 FOR DETAILS
- 5 CONTRACTOR TO CROSS DRIVEWAY AND REPAIR BACK TO EXISTING, SEE SHEET D104 FOR DETAILS
- 6 CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET C104 AND C105
- 7 CONTRACTOR TO EXCAVATE A 6' RADIUS AROUND THE FIRE HYDRANT, DOWN TO THE ELBOW, AND ADJUST LENGTH OF BARREL TO MEET TECHNICAL SPECIFICATIONS; BACKFILL AND COMPACT ACCORDING TO SPECIFICATIONS
- 8 CONTRACTOR TO INSTALL 8" PVC WATERLINE IN SHOULDER
- 9 CONTRACTOR TO REMOVE EXISTING 8" CAP AND TIE INTO EXISTING
- 10 CONTRACTOR TO INSTALL 8"X8"X6" TEE, SEE SHEETS D101 AND D102 FOR DETAILS
- 11 CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- 12 CONTRACTOR TO INSTALL 8"X45° BENDS, SEE SHEETS D100 AND D101 FOR DETAILS
- 13 CONTRACTOR TO TIE INTO EXISTING CONDUITS
- 14 CONTRACTOR TO TIE INTO EXISTING 8" WATERLINE
- 15 CONTRACTOR TO GET EXISTING RIP-RAP FROM APPROXIMATE STA: 42+00 AND REPLACE AT THIS LOCATION

45° BEND WERE NOT INSTALLED, WATERLINE WAS SLOPE TO DEPTH TO AVOID EXISTING UTILITIES



HIGH MESA ROAD PROFILE VIEW  
 (STA: 29+50 TO 44+50)

HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 10'

"NOTICE OF EXTENDED PAYMENT PROVISION;  
 THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

By	Date	Revisions	Descr.

Date	SEPTEMBER 2012	Drawn	JAD/ JLS/ AAF
By		Checked	JG/ LJR
Scale	AS SHOWN	Approved	ELK

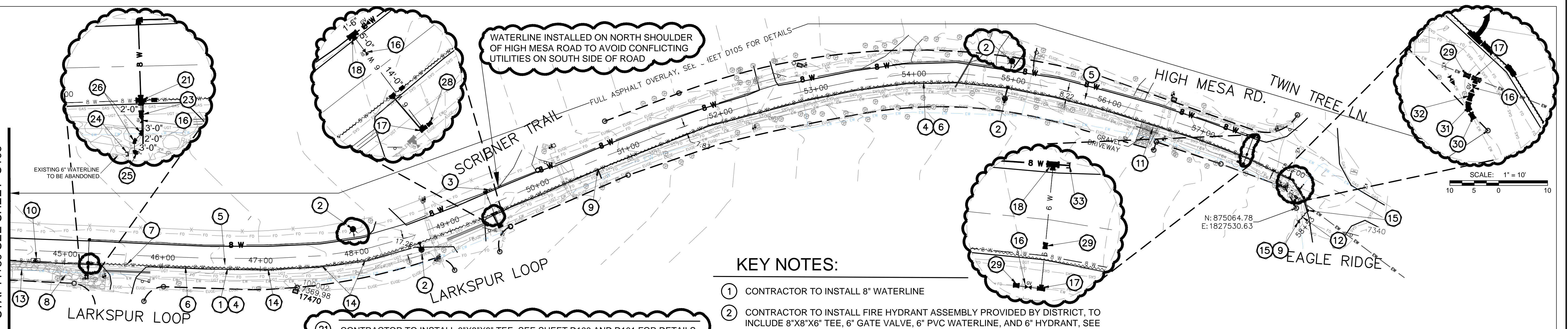


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MATCHLINE - STA: 44+50 SEE SHEET C106



**HIGH MESA ROAD PLAN VIEW**  
(STA: 44+50 TO 58+51)

SCALE: 1" = 50'

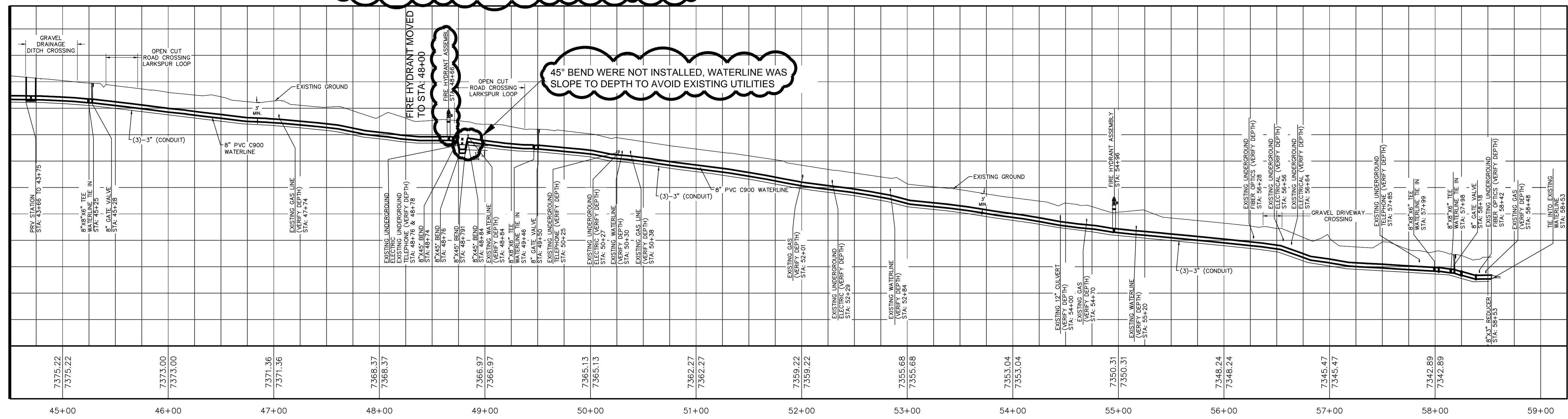
NOTE:  
AREAS OF UTILITY CONGESTION THROUGHOUT PROPOSED WATERLINE PLACEMENT AREA. USE CAUTION DURING CONSTRUCTION.

- 21 CONTRACTOR TO INSTALL 8"X8"X8" TEE, SEE SHEET D100 AND D101 FOR DETAILS
- 22 CONTRACTOR TO INSTALL 8" 90° BEND, SEE SHEET D100 FOR DETAILS
- 23 CONTRACTOR TO INSTALL 8"X6" REDUCER, SEE SHEET D100 FOR DETAILS
- 24 CONTRACTOR TO INSTALL 6" CAP, SEE SHEET D100 FOR DETAILS
- 25 CONTRACTOR TO INSTALL 6" 90° BEND, SEE SHEET D100 FOR DETAILS
- 26 CONTRACTOR TO INSTALL 6" 45° BEND, SEE SHEET D100 FOR DETAILS
- 28 CONTRACTOR TO INSTALL 6" SOLID SLEEVE, SEE SHEET D100 FOR DETAILS
- 29 CONTRACTOR TO INSTALL 6" (HYMAX) COUPLING, SEE SHEET D100 FOR DETAILS
- 30 CONTRACTOR TO INSTALL 3" (HYMAX) COUPLING, SEE SHEET D100 FOR DETAILS
- 31 CONTRACTOR TO INSTALL 3" 45° BEND, SEE SHEET D100 FOR DETAILS
- 32 CONTRACTOR TO INSTALL 6"X3" REDUCER, SEE SHEET D100 FOR DETAILS
- 33 CONTRACTOR TO INSTALL 8" MJ CAP, SEE SHEET D100 FOR DETAILS

**KEY NOTES:**

- 1 CONTRACTOR TO INSTALL 8" WATERLINE
- 2 CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- 3 CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- 4 CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- 5 ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- 6 CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATER LINE, SEE DETAIL ON SHEET C104 AND C105
- 7 CONTRACTOR TO OPEN CUT ROAD CROSSING AND REPAIR BACK TO EXISTING, SEE SHEET D100 FOR DETAILS
- 8 CONTRACTOR TO CROSS DRAINAGE DITCH AND REPAIR BACK TO EXISTING
- 9 CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D104 FOR DETAILS
- 10 CONTRACTOR TO INSTALL 6" PRV STATION INCLUDING VAULT, SEE SHEET D101 FOR DETAILS
- 11 CONTRACTOR TO CROSS DRIVEWAY AND REPLACE TO EXISTING CONDITION, SEE SHEET D104 FOR DETAILS
- 12 CONTRACTOR TO INSTALL 8" PVC WATERLINE IN SHOULDER
- 13 CONTRACTOR TO GET EXISTING RIP-RAP FROM APPROXIMATE STA: 42+00 AND REPLACE AT THIS LOCATION
- 14 CONTRACTOR TO INSTALL 8"X22.5" BEND, SEE SHEET D100 FOR DETAILS
- 15 CONTRACTOR TO INSTALL 8"X45" BEND, SEE SHEET D100 FOR DETAILS
- 16 CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- 17 CONTRACTOR TO INSTALL 6"X6"X6" TEE, SEE SHEET D100 AND D101 FOR DETAILS
- 18 CONTRACTOR TO INSTALL 8"X8"X6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- 19 CONTRACTOR TO TIE INTO EXISTING 6" WATERLINE, SEE SHEET D104 FOR DETAILS
- 20 CONTRACTOR TO INSTALL 8"X11.25" BEND, SEE SHEET D100 FOR DETAILS

MATCHLINE - STA: 44+50 SEE SHEET C106



**HIGH MESA ROAD PROFILE VIEW**  
(STA: 44+50 TO 58+51)

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'

**"NOTICE OF EXTENDED PAYMENT PROVISION;  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT  
WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED  
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Revisions	Date	By	Descr.

Date: SEPTEMBER 2012  
Drawn: JAD/JLS/AAF  
Checked: JG/LJR  
Approved: ELK



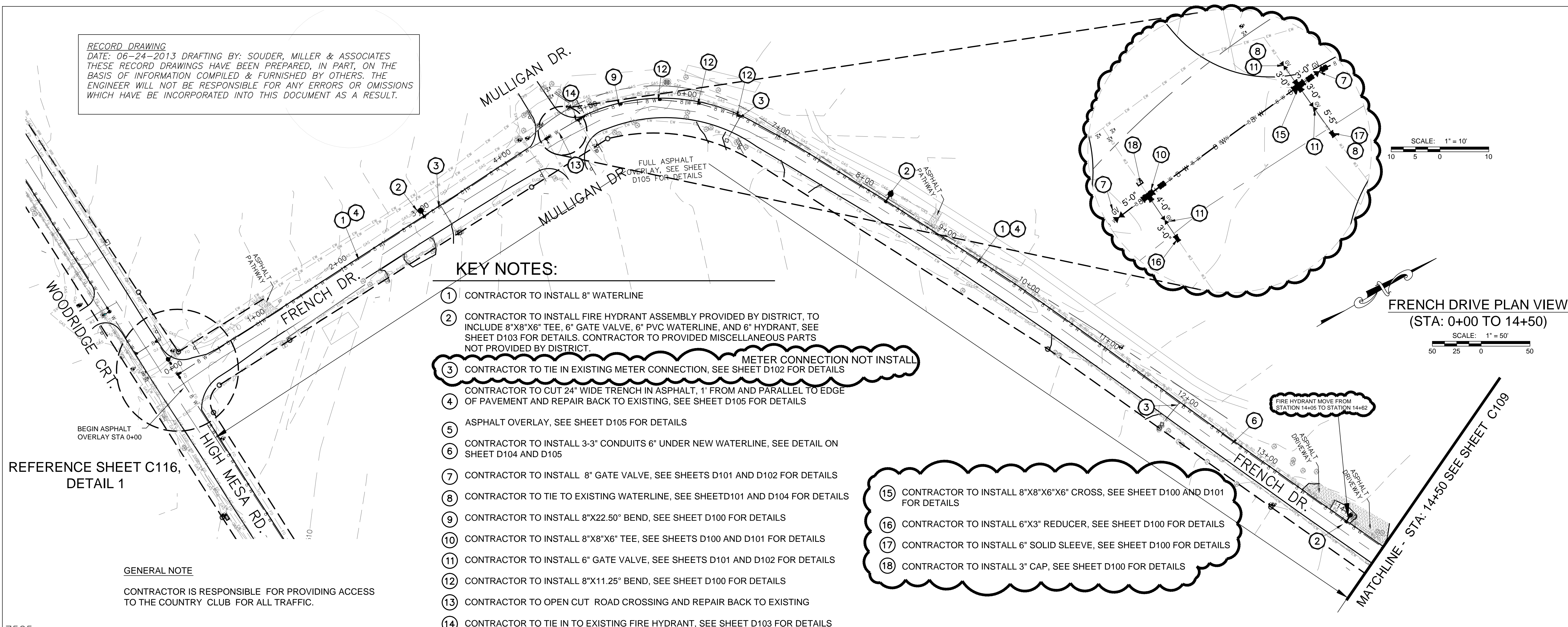
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Sheet  
C107



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**KEY NOTES:**

- ① CONTRACTOR TO INSTALL 8" WATERLINE
- ② CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- ③ CONTRACTOR TO TIE IN EXISTING METER CONNECTION, SEE SHEET D102 FOR DETAILS  
**METER CONNECTION NOT INSTALL**  
 CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- ④ ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- ⑤ CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- ⑥ CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑦ CONTRACTOR TO TIE TO EXISTING WATERLINE, SEE SHEET D101 AND D104 FOR DETAILS
- ⑧ CONTRACTOR TO INSTALL 8"X22.50° BEND, SEE SHEET D100 FOR DETAILS
- ⑨ CONTRACTOR TO INSTALL 8"X8"X6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- ⑩ CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑪ CONTRACTOR TO INSTALL 8"X11.25° BEND, SEE SHEET D100 FOR DETAILS
- ⑫ CONTRACTOR TO OPEN CUT ROAD CROSSING AND REPAIR BACK TO EXISTING
- ⑬ CONTRACTOR TO TIE IN TO EXISTING FIRE HYDRANT, SEE SHEET D103 FOR DETAILS

- ⑮ CONTRACTOR TO INSTALL 8"X8"X6"X6" CROSS, SEE SHEET D100 AND D101 FOR DETAILS
- ⑯ CONTRACTOR TO INSTALL 6"X3" REDUCER, SEE SHEET D100 FOR DETAILS
- ⑰ CONTRACTOR TO INSTALL 6" SOLID SLEEVE, SEE SHEET D100 FOR DETAILS
- ⑱ CONTRACTOR TO INSTALL 3" CAP, SEE SHEET D100 FOR DETAILS

SCALE: 1" = 10'

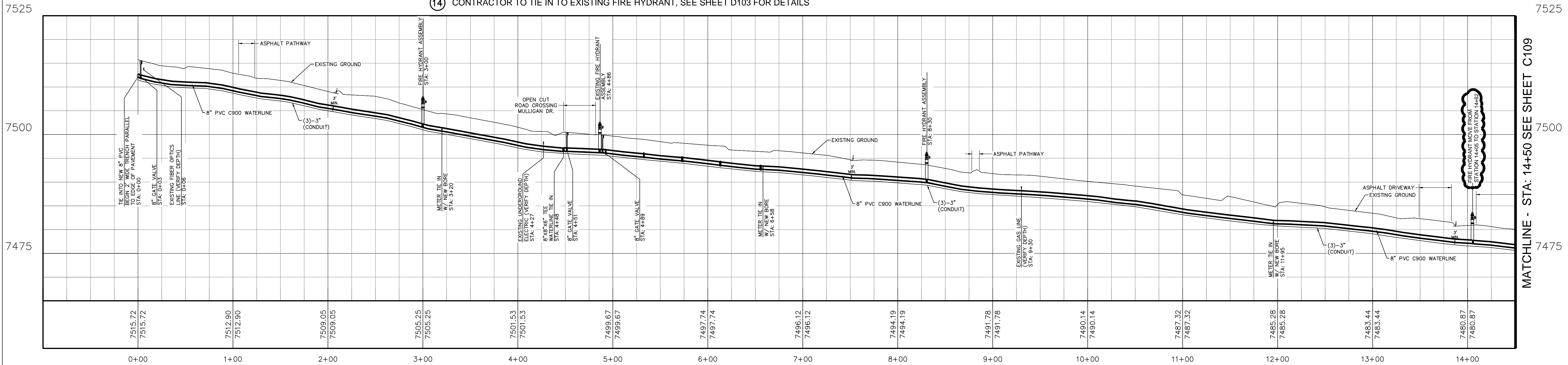
**FRENCH DRIVE PLAN VIEW**  
 (STA: 0+00 TO 14+50)

SCALE: 1" = 50'

REFERENCE SHEET C116,  
 DETAIL 1

**GENERAL NOTE**

CONTRACTOR IS RESPONSIBLE FOR PROVIDING ACCESS TO THE COUNTRY CLUB FOR ALL TRAFFIC.



**FRENCH DRIVE PROFILE VIEW**  
 (STA: 0+00 TO 14+50)

HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 10'

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Revisions	Date	By	Descr.

Date	SEPTEMBER 2012	Drawn	JAD/ JLS/ AAF
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		Approved	ELK



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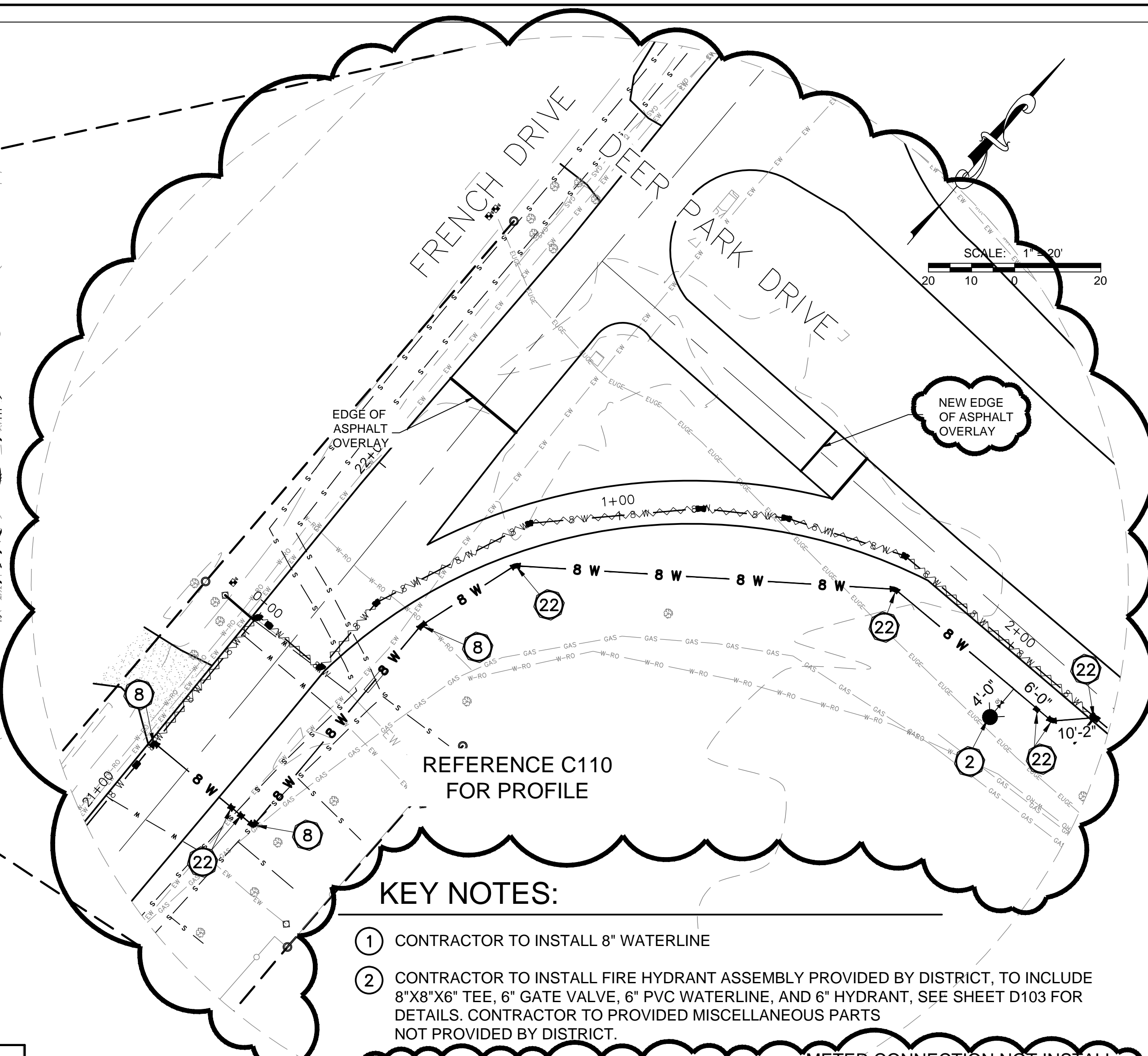
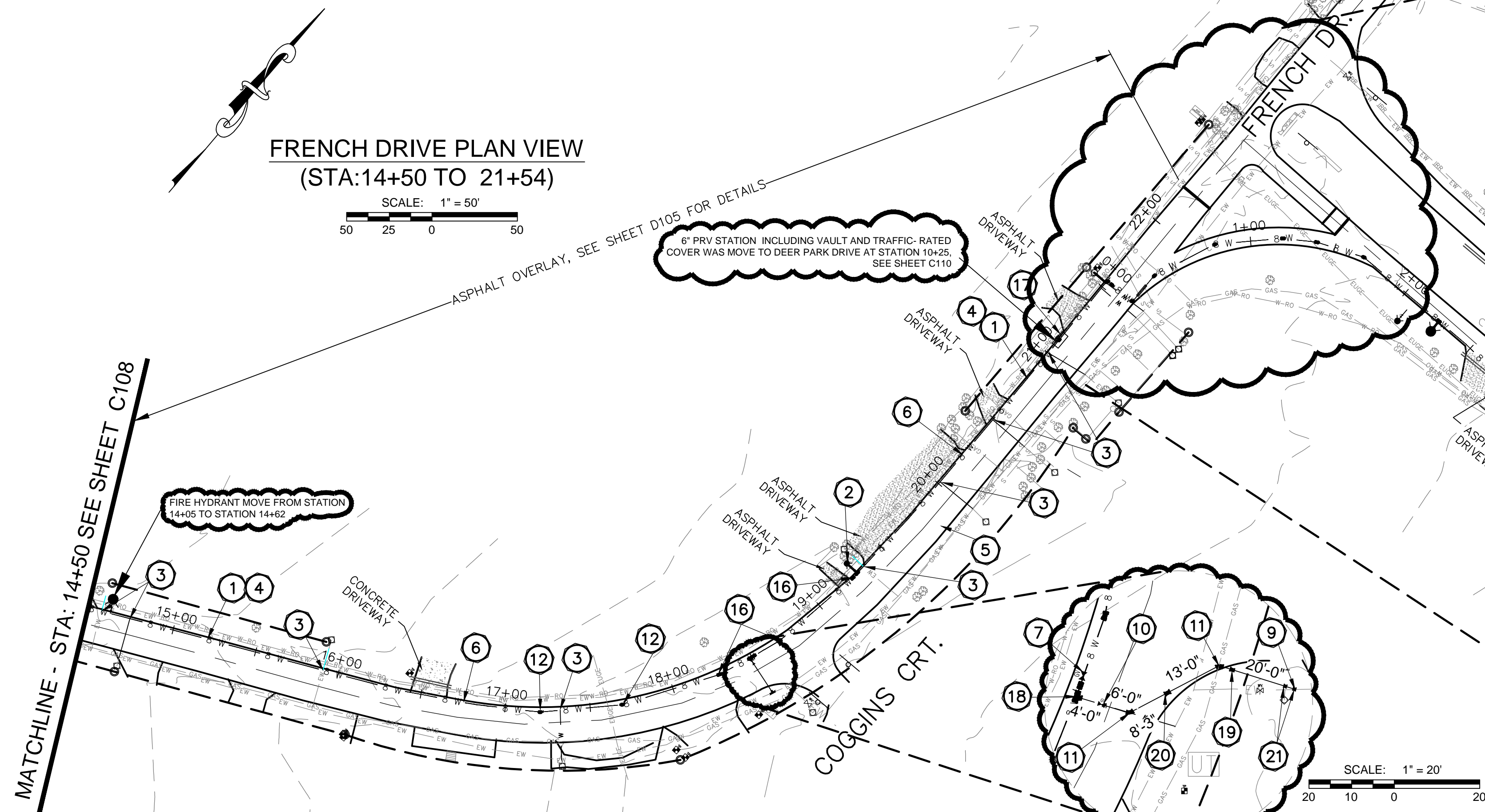
**French Drive Plan & Profile (STA: 0+00 to 14+50)**  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
**C108**



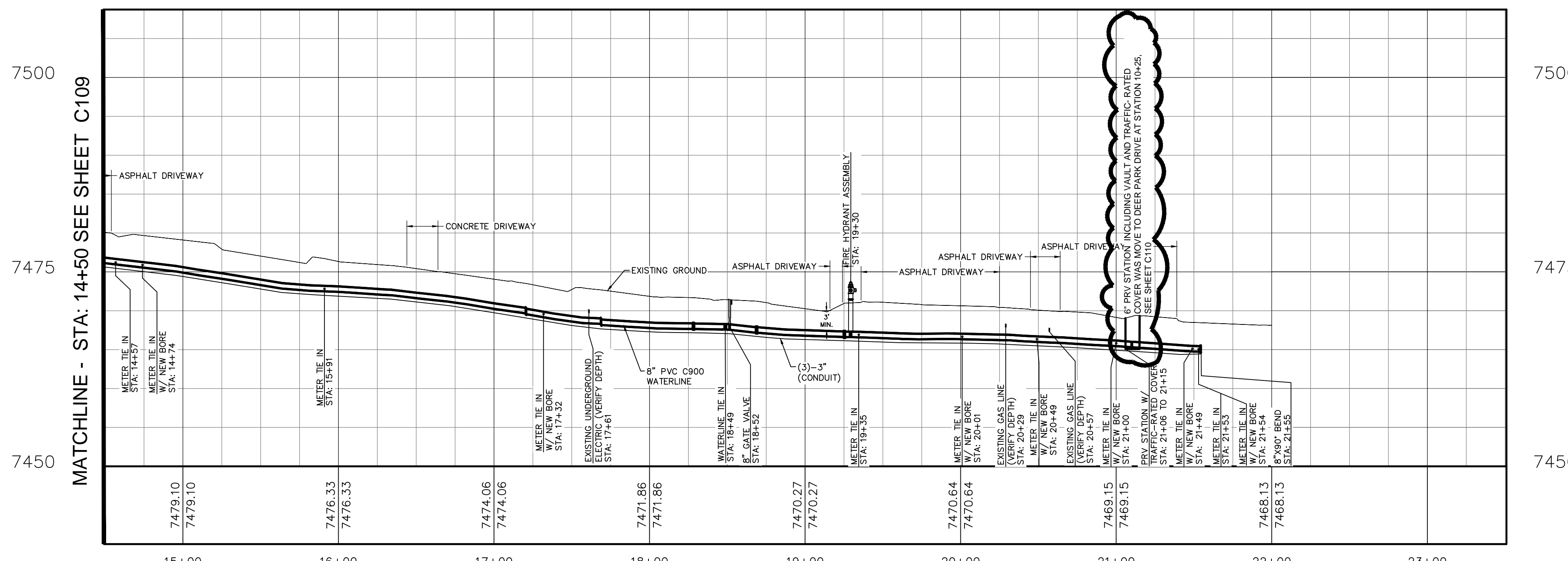
**FRENCH DRIVE PLAN VIEW  
(STA:14+50 TO 21+54)**

SCALE: 1" = 50'  
50 25 0 50



**KEY NOTES:**

- 1 CONTRACTOR TO INSTALL 8" WATERLINE
- 2 CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- 3 CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE INCLUDING ROAD BORE, SEE SHEET D102 FOR DETAILS
- 4 CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- 5 ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- 6 CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- 7 CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- 8 CONTRACTOR TO INSTALL 8"X90° BEND, SEE SHEET D100 FOR DETAILS
- 9 CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEETS D101 AND D104 FOR DETAILS
- 10 CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- 11 CONTRACTOR TO INSTALL 6"X45° BEND, SEE SHEET D100 FOR DETAILS
- 12 CONTRACTOR TO INSTALL 8"X22.5° BEND, SEE SHEET D100 FOR DETAILS
- 13 CONTRACTOR TO INSTALL 8"X6" REDUCER
- 14 CONTRACTOR TO INSTALL 6"X6"X6" TAPPING TEE, SEE SHEET D100 FOR DETAILS
- 15 CONTRACTOR TO INSTALL 14" STEEL CASING, SEE SHEET D103 FOR DETAIL
- 16 CONTRACTOR TO INSTALL 8"X11.25° BEND, SEE SHEET D100 FOR DETAILS
- 17 CONTRACTOR TO INSTALL 6" PRV STATION INCLUDING VAULT AND TRAFFIC-RATED COVER, SEE SHEET D101 FOR DETAILS
- 18 CONTRACTOR TO INSTALL 8"X8"X6" TEE, SEE SHEET D100 AND D101 FOR DETAILS
- 19 CONTRACTOR TO INSTALL 6"X3" REDUCER, SEE SHEET D100 FOR DETAILS
- 20 CONTRACTOR TO INSTALL 6" SOLID SLEEVE, SEE SHEET D100 FOR DETAILS
- 21 CONTRACTOR TO INSTALL 3" 45° BEND, SEE SHEET D100 FOR DETAILS
- 22 CONTRACTOR TO INSTALL 8" 45° BEND, SEE SHEET D100 FOR DETAILS



**FRENCH DRIVE PROFILE VIEW  
(STA: 14+50 TO 21+54)**

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'

**"NOTICE OF EXTENDED PAYMENT PROVISION;  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT  
WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED  
REQUEST FOR PAYMENT"**

**RECORD DRAWING**  
DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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By	Date	Revisions	Descr.

Date	SEPTEMBER 2012	Drawn	JAD/ JLS/ AAF
By		Checked	JG/ LJR
Scale	AS SHOWN	Approved	ELK

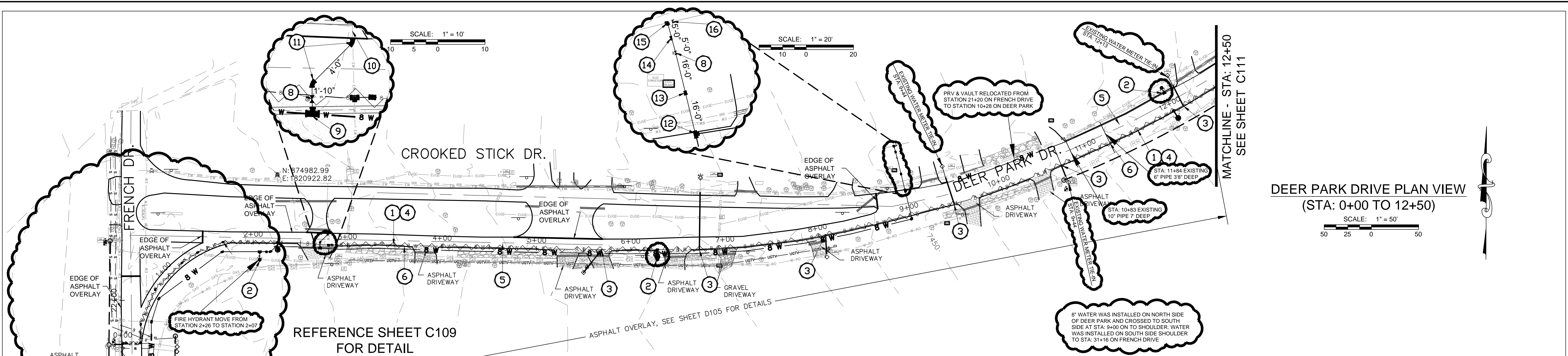


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*French Drive Plan & Profile (STA: 14+50 to 21+54)  
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Lincoln County, New Mexico*

Sheet  
**C109**





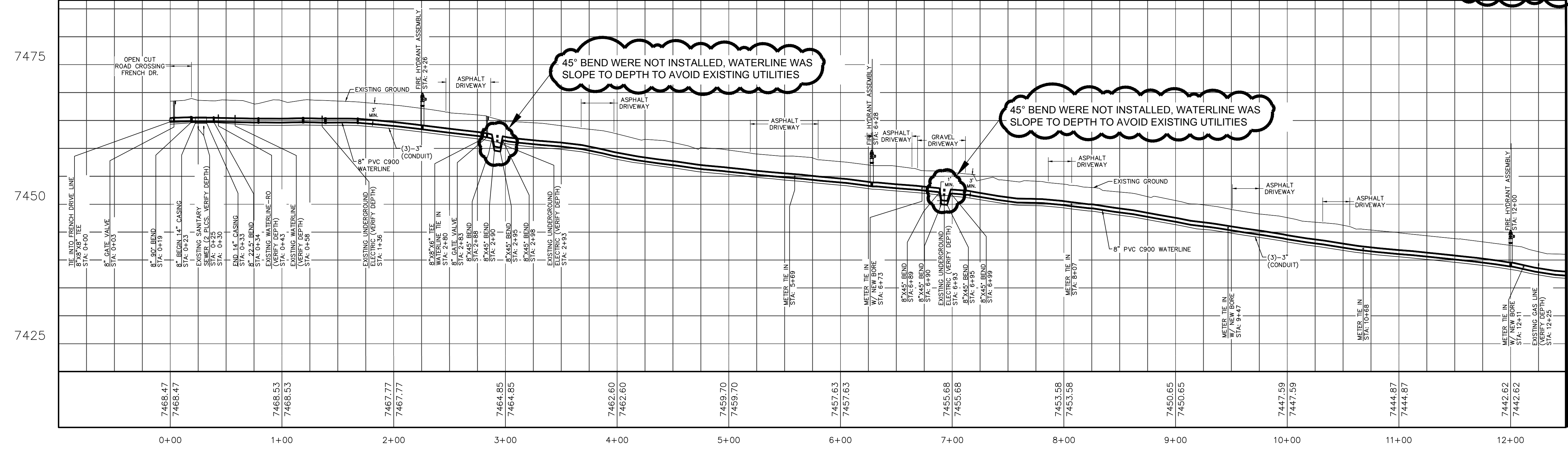
REFERENCE SHEET C109 FOR DETAIL

**KEY NOTES:**

- ① CONTRACTOR TO INSTALL 8" WATERLINE
- ② CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- ③ CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE, SEE SHEET D102 FOR DETAILS
- ④ CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- ⑤ ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- ⑥ CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- ⑦ CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑧ CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑨ CONTRACTOR TO INSTALL 8"X8"X6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- ⑩ CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D101 FOR DETAILS
- ⑪ CONTRACTOR TO INSTALL 6"-45° BEND, SEE SHEET 100 FOR DETAILS
- ⑫ CONTRACTOR TO INSTALL 8"X8"X8" TEE, SEE SHEET 100 FOR DETAILS
- ⑬ CONTRACTOR TO INSTALL 8"X6" REDUCER, SEE SHEET 100 FOR DETAILS
- ⑭ CONTRACTOR TO INSTALL 6"-22 1/2° BEND, SEE SHEET 100 FOR DETAILS
- ⑮ CONTRACTOR TO INSTALL 6"-90° BEND, SEE SHEET 100 FOR DETAILS
- ⑯ CONTRACTOR TO INSTALL 6" CAP, SEE SHEET 101 FOR DETAILS

**DEER PARK DRIVE PLAN VIEW**  
(STA: 0+00 TO 12+50)

SCALE: 1" = 50'



**DEER PARK DRIVE PROFILE VIEW**  
(STA: 0+00 TO 12+50)

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'

**RECORD DRAWING**  
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**"NOTICE OF EXTENDED PAYMENT PROVISION;**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Revisions		
By	Date	Descr.

Date	SEPTEMBER 2012	Drawn	JAD/ALS/AAF
By		Checked	JG/LR
Scale	AS SHOWN	Approved	ELK

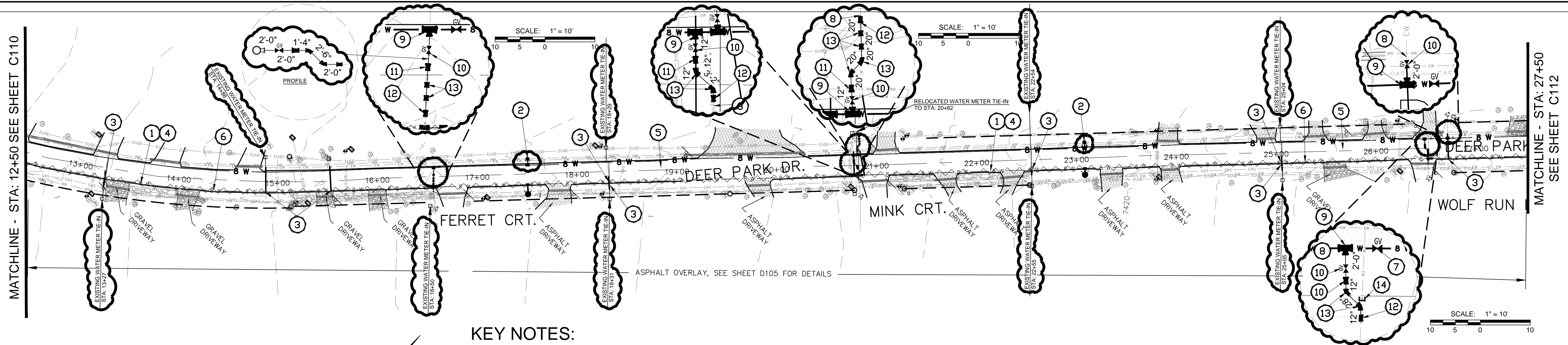


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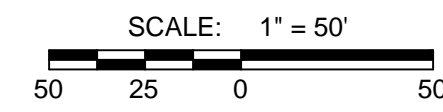
Deer Park Drive Plan & Profile (STA: 0+00 to 12+50)  
Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
C110





**DEER PARK DRIVE PLAN VIEW**  
(STA: 12+50 TO 27+50)

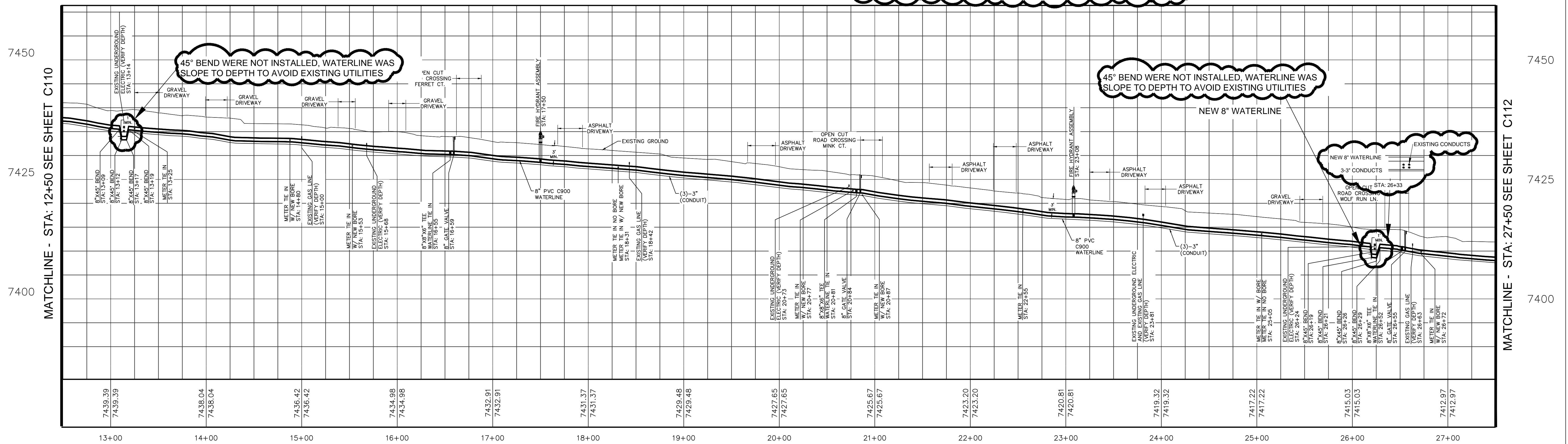


**KEY NOTES:**

- ① CONTRACTOR TO INSTALL 8" WATERLINE
- ② CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT. SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- ③ CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE, SEE SHEET D102 FOR DETAILS
- ④ CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- ⑤ ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- ⑥ CONTRACTOR TO INSTALL 3-3" CONDUIT 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- ⑦ CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑧ CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D101 FOR DETAILS
- ⑨ CONTRACTOR TO INSTALL 8"X8"X6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- ⑩ CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑪ CONTRACTOR TO INSTALL 6"X3" REDUCER, SEE SHEET D100 FOR DETAILS
- ⑫ CONTRACTOR TO INSTALL 3"X2" REDUCER, SEE SHEET D100 FOR DETAILS
- ⑬ CONTRACTOR TO INSTALL 3" 45° BEND, SEE SHEET D100 FOR DETAILS
- ⑭ CONTRACTOR TO INSTALL 2" CAP, SEE SHEET D100 FOR DETAILS

8" WATER WAS INSTALLED ON NORTH SIDE OF DEER PARK AND CROSSED TO SOUTH SIDE AT STA: 9+00 ON TO SHOULDER. WATER WAS INSTALLED ON SOUTH SIDE SHOULDER TO STA: 43+88 ON FRENCH DRIVE

**NOTE:**  
CONTRACTOR NOT TO TIE INTO OR OTHERWISE IMPACT EXISTING IRRIGATION LINE ON NORTH SIDE OF DEER PARK DRIVE.



**DEER PARK DRIVE PROFILE VIEW**  
(STA: 12+50 TO 27+50)



**RECORD DRAWING**  
DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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**"NOTICE OF EXTENDED PAYMENT PROVISION;**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

By	Date	Revisions	Descr.:

Date	SEPTEMBER 2012	Drawn	JAD/LS/AAF
Scale	AS SHOWN	Checked	JG/LR
		Approved	ELK



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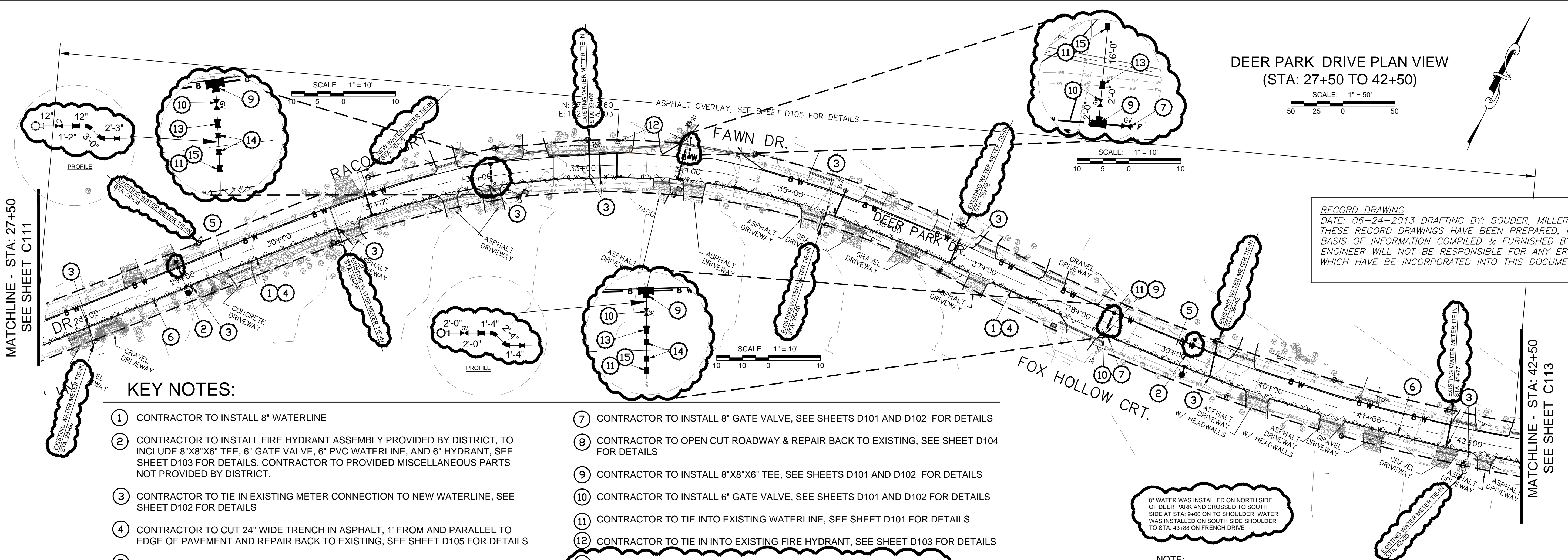
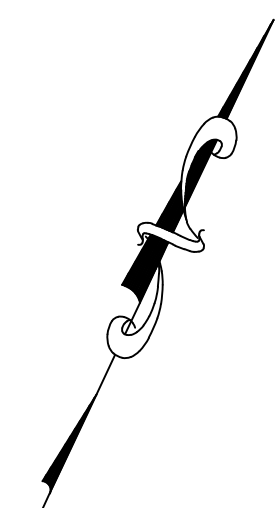
Deer Park Drive Plan & Profile (STA: 12+50 to 27+50)  
Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
C111



**DEER PARK DRIVE PLAN VIEW**  
(STA: 27+50 TO 42+50)

SCALE: 1" = 50'

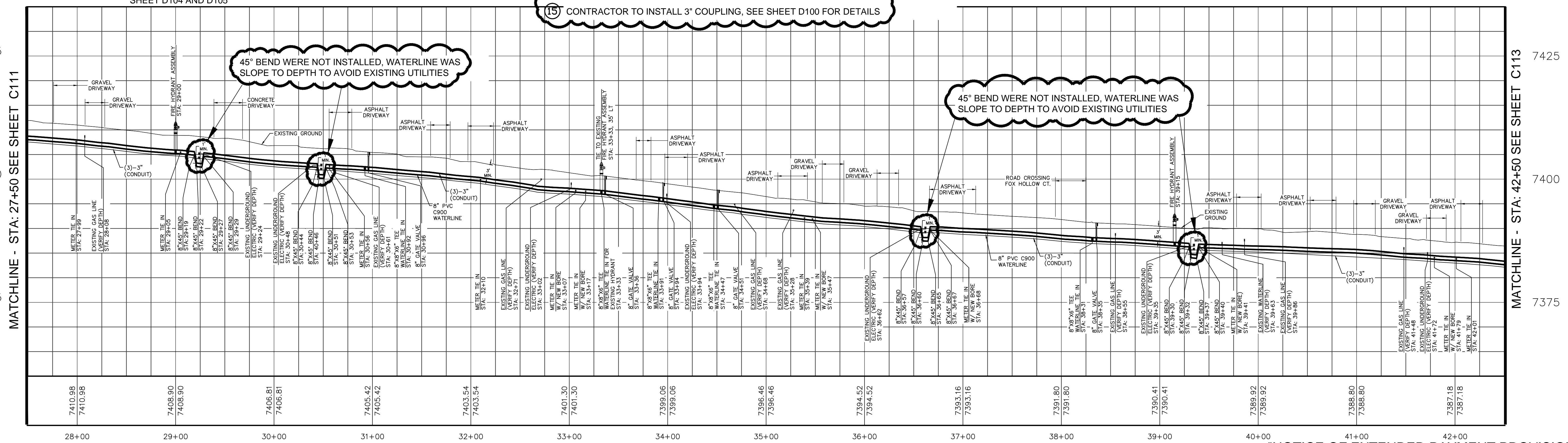


**KEY NOTES:**

- ① CONTRACTOR TO INSTALL 8" WATERLINE
- ② CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"x8"x6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- ③ CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE, SEE SHEET D102 FOR DETAILS
- ④ CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- ⑤ ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- ⑥ CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- ⑦ CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑧ CONTRACTOR TO OPEN CUT ROADWAY & REPAIR BACK TO EXISTING, SEE SHEET D104 FOR DETAILS
- ⑨ CONTRACTOR TO INSTALL 8"x8"x6" TEE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑩ CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑪ CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D101 FOR DETAILS
- ⑫ CONTRACTOR TO TIE IN INTO EXISTING FIRE HYDRANT, SEE SHEET D103 FOR DETAILS
- ⑬ CONTRACTOR TO INSTALL 6"x3" REDUCER, SEE SHEET D100 FOR DETAILS
- ⑭ CONTRACTOR TO INSTALL 3" 45° BEND, SEE SHEET D100 FOR DETAILS
- ⑮ CONTRACTOR TO INSTALL 3" COUPLING, SEE SHEET D100 FOR DETAILS

8" WATER WAS INSTALLED ON NORTH SIDE OF DEER PARK AND CROSSED TO SOUTH SIDE AT STA: 9+00 ON TO SHOULDER. WATER WAS INSTALLED ON SOUTH SIDE SHOULDER TO STA: 43+88 ON FRENCH DRIVE

NOTE:  
CONTRACTOR NOT TO TIE INTO OR OTHERWISE IMPACT EXISTING IRRIGATION LINE ON NORTH SIDE OF DEER PARK DRIVE.



**DEER PARK DRIVE PROFILE VIEW**  
(STA: 27+50 TO 42+50)

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'

**"NOTICE OF EXTENDED PAYMENT PROVISION;**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

6/27/2012  
06-06-2012  
By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
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Date: SEPTEMBER 2012 Drawn: JAD/LS/AAF  
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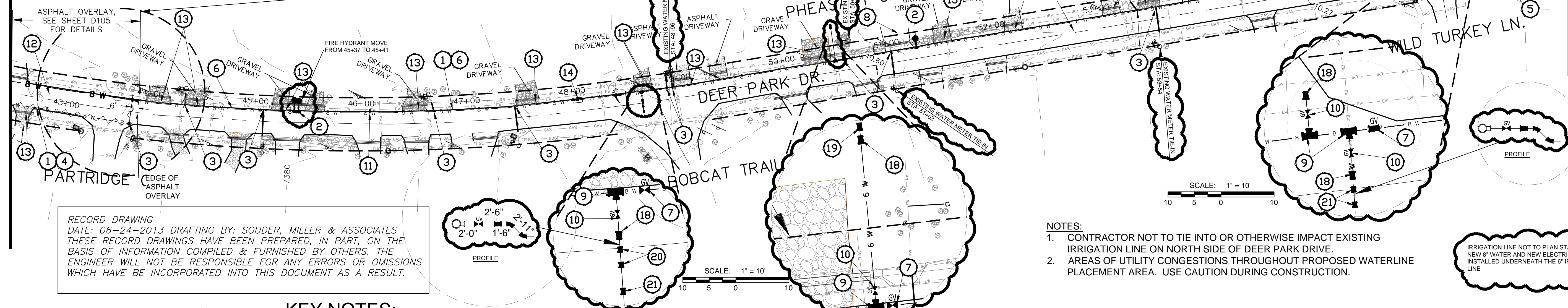
Deer Park Drive Plan & Profile (STA: 27+50 to 42+50)  
Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
C112

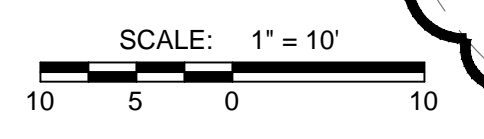


MATCHLINE - STA: 42+50 SEE SHEET C112

REFERENCE SHEET C116, DETAIL 3



**RECORD DRAWING**  
 DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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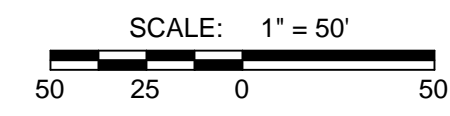
- NOTES:**
- CONTRACTOR NOT TO TIE INTO OR OTHERWISE IMPACT EXISTING IRRIGATION LINE ON NORTH SIDE OF DEER PARK DRIVE.
  - AREAS OF UTILITY CONGESTIONS THROUGHOUT PROPOSED WATERLINE PLACEMENT AREA. USE CAUTION DURING CONSTRUCTION.

IRRIGATION LINE NOT TO PLAN STA: 57+60 NEW 8" WATER AND NEW ELECTRIC CONDUITS INSTALLED UNDERNEATH THE 6" IRRIGATION LINE

**KEY NOTES:**

- CONTRACTOR TO INSTALL 8" WATERLINE
- CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"x8"x6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE, SEE SHEET D102 FOR DETAILS
- CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ASPHALT OVERLAY AT SIDE STREET CROSSINGS, SEE SHEET D105 FOR DETAILS
- CONTRACTOR TO INSTALL 8"x8"x6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D101 FOR DETAILS
- ASPHALT OVERLAY, TO END 6' EAST OF WATERLINE (STA 43+86, 6' RT), SEE SHEET D105 FOR DETAILS
- CONTRACTOR TO CROSS DRIVEWAY AND REPAIR BACK TO EXISTING, SEE SHEET D104 FOR DETAILS
- CONTRACTOR TO INSTALL 6" PRV STATION INCLUDING VAULT WITH TRAFFIC-RATED COVER, SEE SHEET D101 FOR DETAILS
- CONTRACTOR TO INSTALL 8" 90° BEND, SEE SHEET D100 FOR DETAILS
- CONTRACTOR TO INSTALL 6" 11.25° BEND, SEE SHEET D100 FOR DETAILS
- CONTRACTOR TO INSTALL 8" 11.25° BEND, SEE SHEET D100 FOR DETAILS
- CONTRACTOR TO INSTALL 6"x3" REDUCER, SEE SHEET D100 FOR DETAILS
- CONTRACTOR TO INSTALL 3"x2" REDUCER, SEE SHEET D100 FOR DETAILS
- CONTRACTOR TO INSTALL 3" 45° BEND, SEE SHEET D100 FOR DETAILS
- CONTRACTOR TO INSTALL 3" COUPLING, SEE SHEET D100 FOR DETAILS

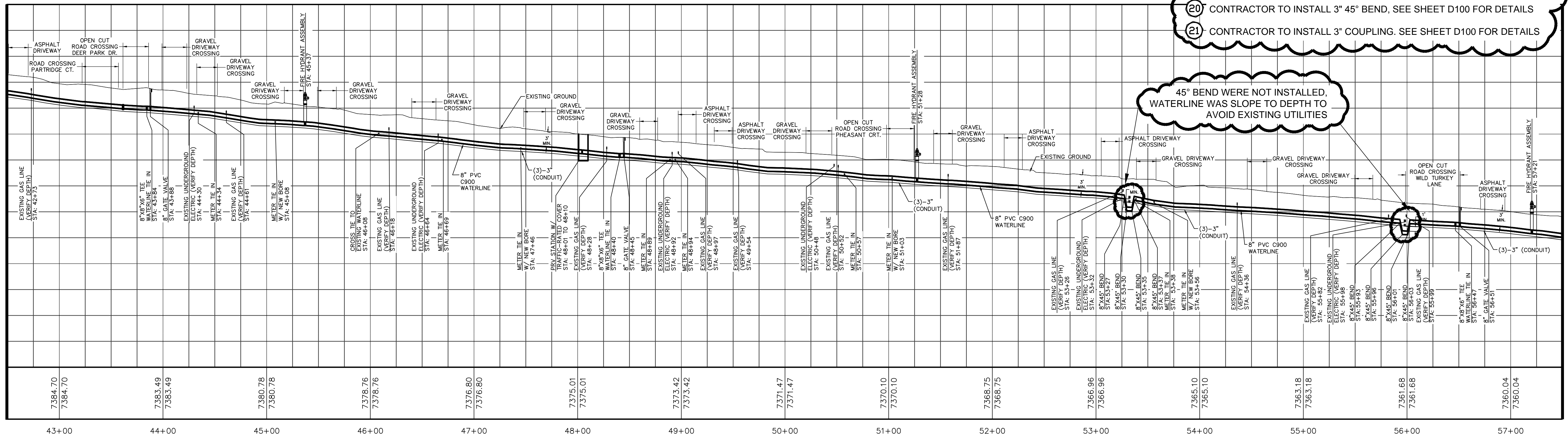
**DEER PARK DRIVE PLAN VIEW (STA: 42+50 TO 57+50)**



8" WATER WAS INSTALLED ON NORTH SIDE OF DEER PARK AND CROSSED TO SOUTH SIDE AT STA: 9+00 ON TO SHOULDER. WATER WAS INSTALLED ON SOUTH SIDE SHOULDER TO STA: 43+88 ON FRENCH DRIVE

MATCHLINE - STA: 42+50 SEE SHEET C112

MATCHLINE - STA: 57+50 SEE SHEET C114



**DEER PARK DRIVE PROFILE VIEW (STA: 42+50 TO 57+50)**

HORIZONTAL SCALE: 1" = 50'  
 VERTICAL SCALE: 1" = 10'

45° BEND WERE NOT INSTALLED, WATERLINE WAS SLOPE TO DEPTH TO AVOID EXISTING UTILITIES

**"NOTICE OF EXTENDED PAYMENT PROVISION; THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"**

By	Date	Descr.
06-06-2012		

Date	Drawn	Checked	Approved
SEPTEMBER 2012	JAD/LS/AAF	JG/LR	ELK

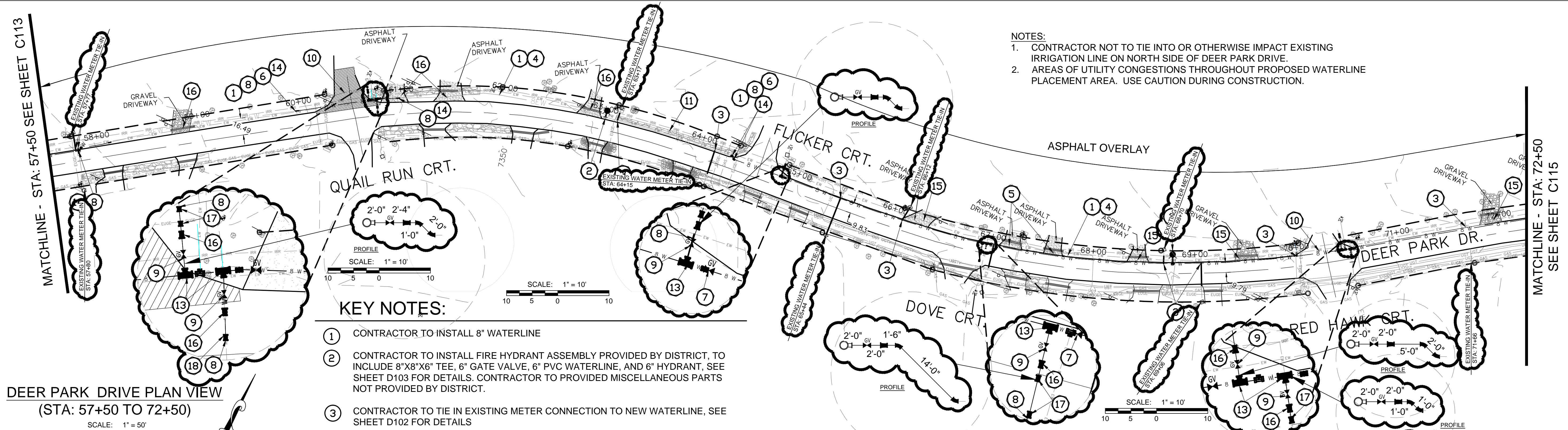


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Deer Park Drive Plan & Profile (STA: 42+50 to 57+50)  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
 C113





**DEER PARK DRIVE PLAN VIEW**  
(STA: 57+50 TO 72+50)

SCALE: 1" = 50'

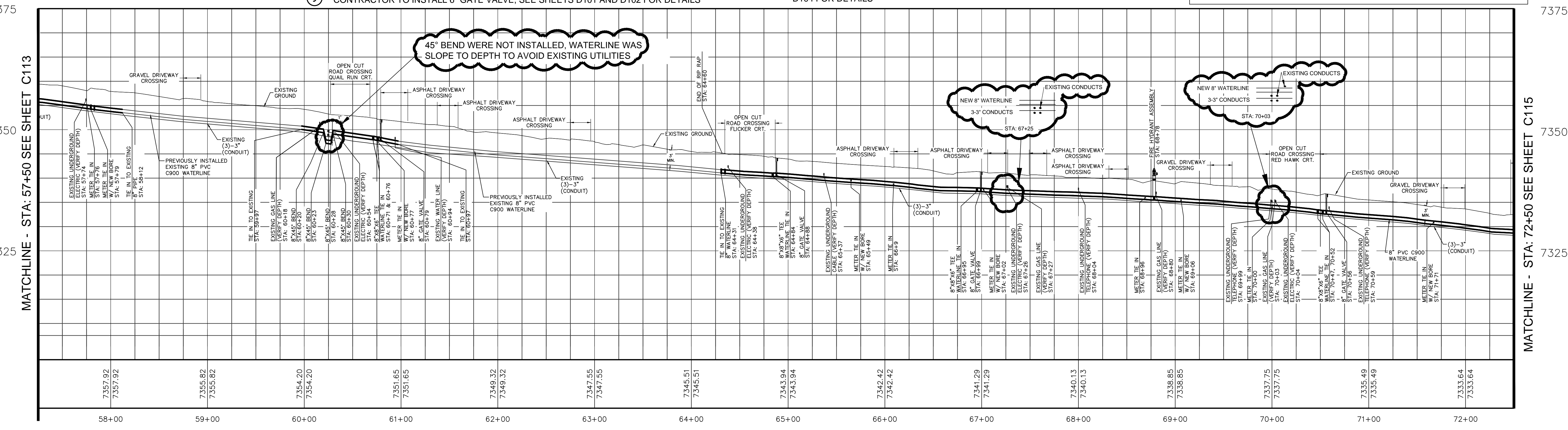
**KEY NOTES:**

- ① CONTRACTOR TO INSTALL 8" WATERLINE
- ② CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- ③ CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE, SEE SHEET D102 FOR DETAILS
- ④ CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- ⑤ ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- ⑥ CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- ⑦ CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑧ CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D101 FOR DETAILS
- ⑨ CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS

- NOTES:**
- 1. CONTRACTOR NOT TO TIE INTO OR OTHERWISE IMPACT EXISTING IRRIGATION LINE ON NORTH SIDE OF DEER PARK DRIVE.
  - 2. AREAS OF UTILITY CONGESTIONS THROUGHOUT PROPOSED WATERLINE PLACEMENT AREA. USE CAUTION DURING CONSTRUCTION.

- ⑩ ASPHALT OVERLAY AT SIDE STREET CROSSINGS, SEE SHEET D105 FOR DETAILS
- ⑪ CONTRACTOR TO RESTORE RIP-RAP FORM APPROXIMATE STA: 63+00 AND REPLACE AT THIS LOCATION, SEE SHEET D103 FOR DETAILS
- ⑫ CONTRACTOR TO INSTALL 8"X45° BEND, SEE SHEET D100 FOR DETAILS
- ⑬ CONTRACTOR TO INSTALL 8"X8"X6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- ⑭ CONTRACTOR TO TIE INTO EXISTING CONDUITS
- ⑮ CONTRACTOR TO CROSS DRIVEWAY AND REPAIR BACK TO EXISTING, SEE SHEET D104 FOR DETAILS
- ⑯ CONTRACTOR TO INSTALL 6"X3" REDUCER, SEE SHEET D100 FOR DETAILS
- ⑰ CONTRACTOR TO INSTALL 3" 45° BEND, SEE SHEET D100 FOR DETAILS
- ⑱ CONTRACTOR TO INSTALL 3" COUPLING, SEE SHEET D100 FOR DETAILS

**RECORD DRAWING**  
DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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**DEER PARK DRIVE PROFILE VIEW**  
(STA: 57+50 TO 72+50)

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'

**"NOTICE OF EXTENDED PAYMENT PROVISION;**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Revisions  
By: MEW Date: FEB. 2012 Descr.: WATERLINE REDESIGN  
By: Date: Descr.:  
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Date: SEPTEMBER 2012 Drawn: JAD/LS/AAF  
Checked: JG/LR  
Scale: AS SHOWN Approved: ELK



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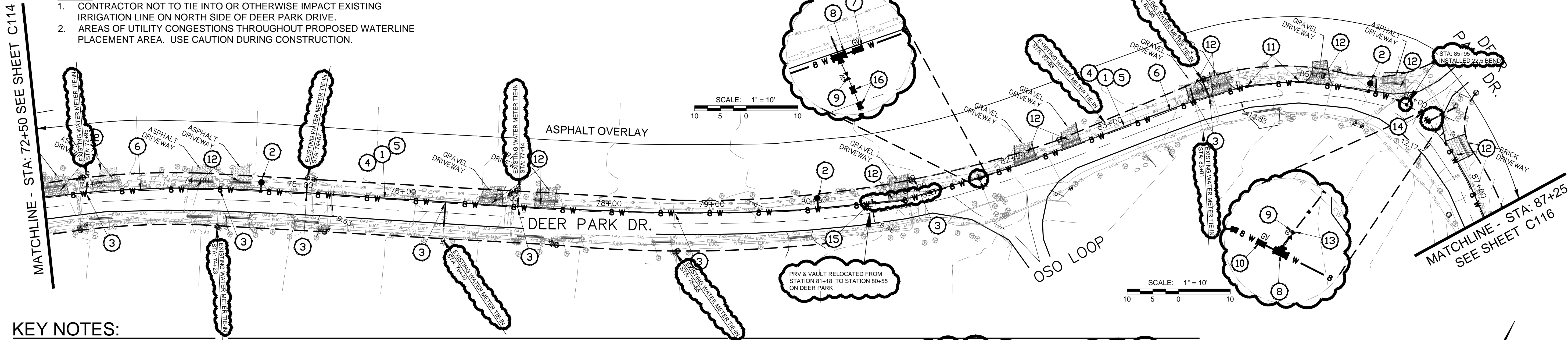
Deer Park Drive Plan & Profile (STA: 57+50 to 72+50)  
Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
C114



**NOTES:**

- CONTRACTOR NOT TO TIE INTO OR OTHERWISE IMPACT EXISTING IRRIGATION LINE ON NORTH SIDE OF DEER PARK DRIVE.
- AREAS OF UTILITY CONGESTIONS THROUGHOUT PROPOSED WATERLINE PLACEMENT AREA. USE CAUTION DURING CONSTRUCTION.



**KEY NOTES:**

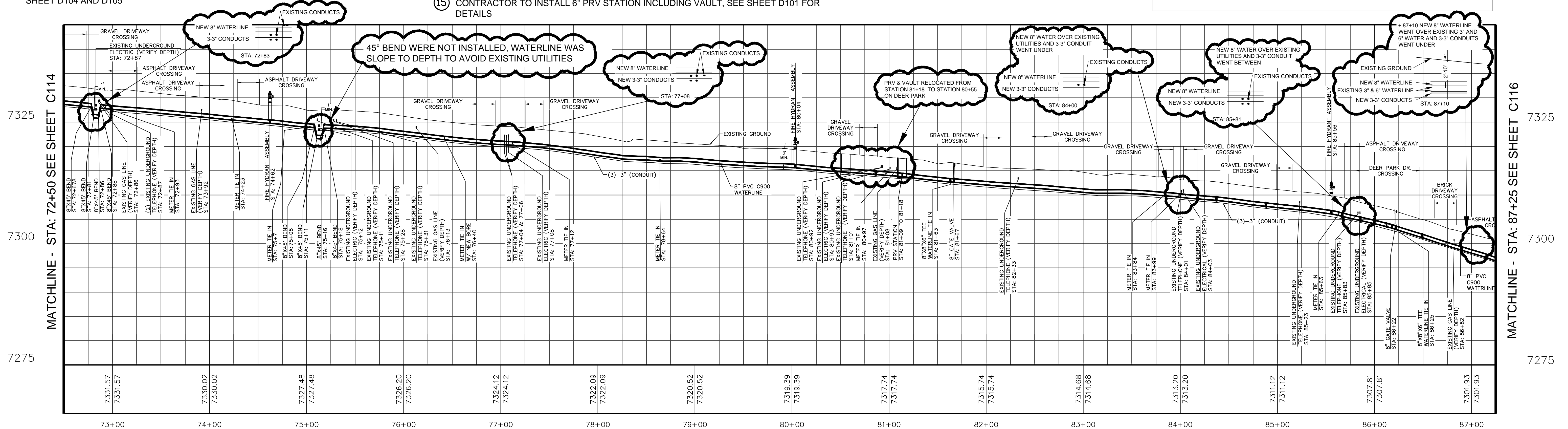
- ① CONTRACTOR TO INSTALL 8" WATERLINE
- ② CONTRACTOR TO INSTALL FIRE HYDRANT ASSEMBLY PROVIDED BY DISTRICT, TO INCLUDE 8"X8"X6" TEE, 6" GATE VALVE, 6" PVC WATERLINE, AND 6" HYDRANT, SEE SHEET D103 FOR DETAILS. CONTRACTOR TO PROVIDED MISCELLANEOUS PARTS NOT PROVIDED BY DISTRICT.
- ③ CONTRACTOR TO TIE IN EXISTING METER CONNECTION TO NEW WATERLINE, SEE SHEET D102 FOR DETAILS
- ④ CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- ⑤ ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- ⑥ CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105
- ⑦ CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑧ CONTRACTOR TO INSTALL 8"X8"X6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- ⑨ CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- ⑩ CONTRACTOR TO INSTALL 8"X45° BEND, SEE SHEET D100 FOR DETAILS
- ⑪ CONTRACTOR TO INSTALL 8"X11.25° BEND, SEE SHEET D100 FOR DETAILS
- ⑫ CONTRACTOR TO CROSS DRIVEWAY AND REPAIR BACK TO EXISTING, SEE SHEET D104 FOR DETAILS
- ⑬ CONTRACTOR TO TIE IN EXISTING WATERLINE, SEE SHEET D101 FOR DETAILS
- ⑭ CONTRACTOR TO INSTALL 8"X22.5° BEND, SEE SHEET D100 FOR DETAILS
- ⑮ CONTRACTOR TO INSTALL 6" PRV STATION INCLUDING VAULT, SEE SHEET D101 FOR DETAILS
- ⑯ CONTRACTOR TO INSTALL 6" COUPLING, SEE SHEET D100 FOR DETAILS

**DEER PARK DRIVE PLAN VIEW**  
(STA: 72+50 TO 87+25)

SCALE: 1" = 50'

**RECORD DRAWING**

DATE: 06-24-2013 DRAFTING BY: SOUDER, MILLER & ASSOCIATES  
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**DEER PARK DRIVE PROFILE VIEW**  
(STA: 72+50 TO 87+25)

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 5'

**"NOTICE OF EXTENDED PAYMENT PROVISION;**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

6/27/13 12:19 PM  
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Revisions	
By	Descr.

Date	SEPTEMBER 2012	Drawn	JAD/KLS/AAF
		Checked	JG/JLR
		Approved	ELK
Scale	AS SHOWN		



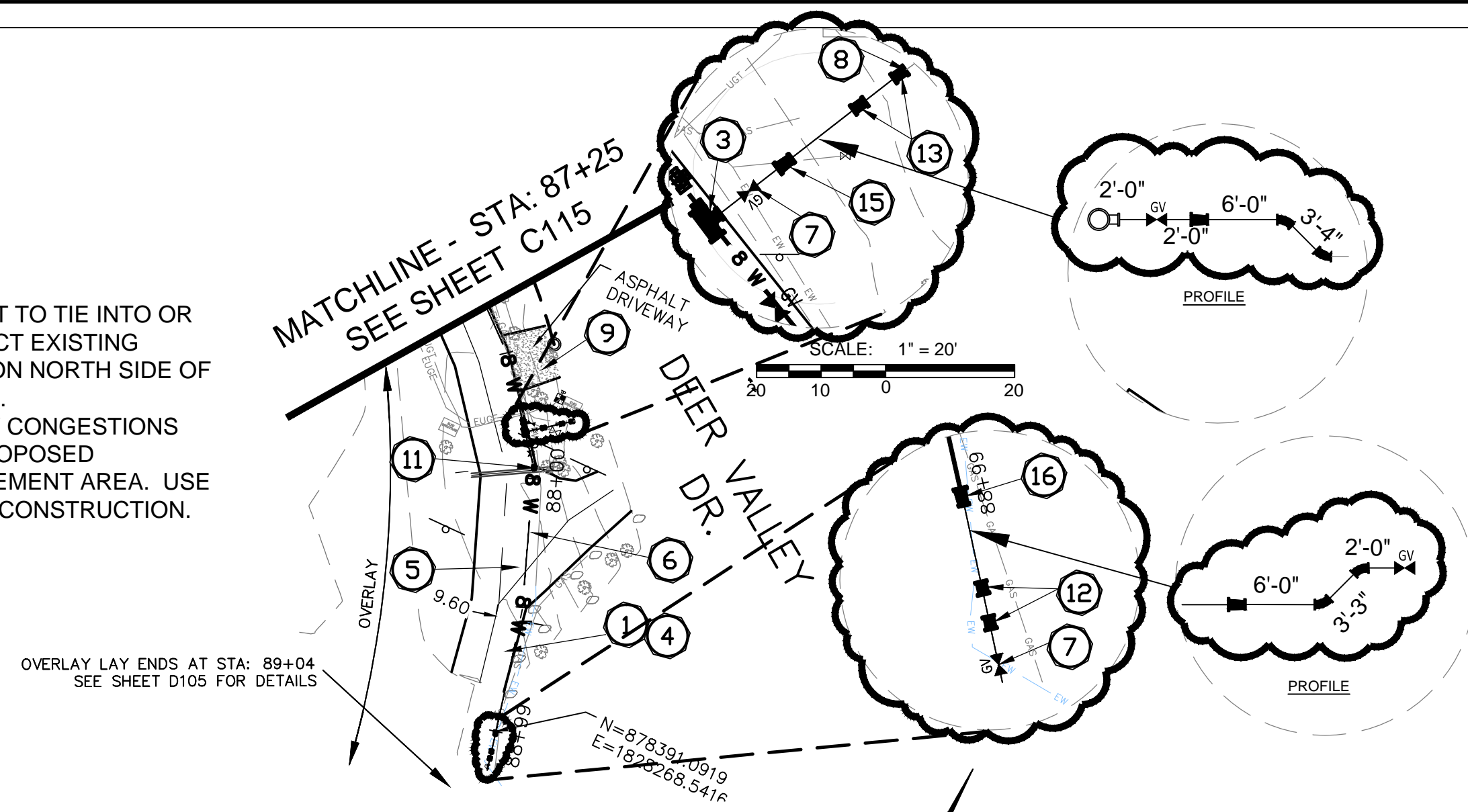
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Deer Park Drive Plan & Profile (STA: 72+50 to 87+25)  
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**NOTES:**

1. CONTRACTOR NOT TO TIE INTO OR OTHERWISE IMPACT EXISTING IRRIGATION LINE ON NORTH SIDE OF DEER PARK DRIVE.
2. AREAS OF UTILITY CONGESTIONS THROUGHOUT PROPOSED WATERLINE PLACEMENT AREA. USE CAUTION DURING CONSTRUCTION.



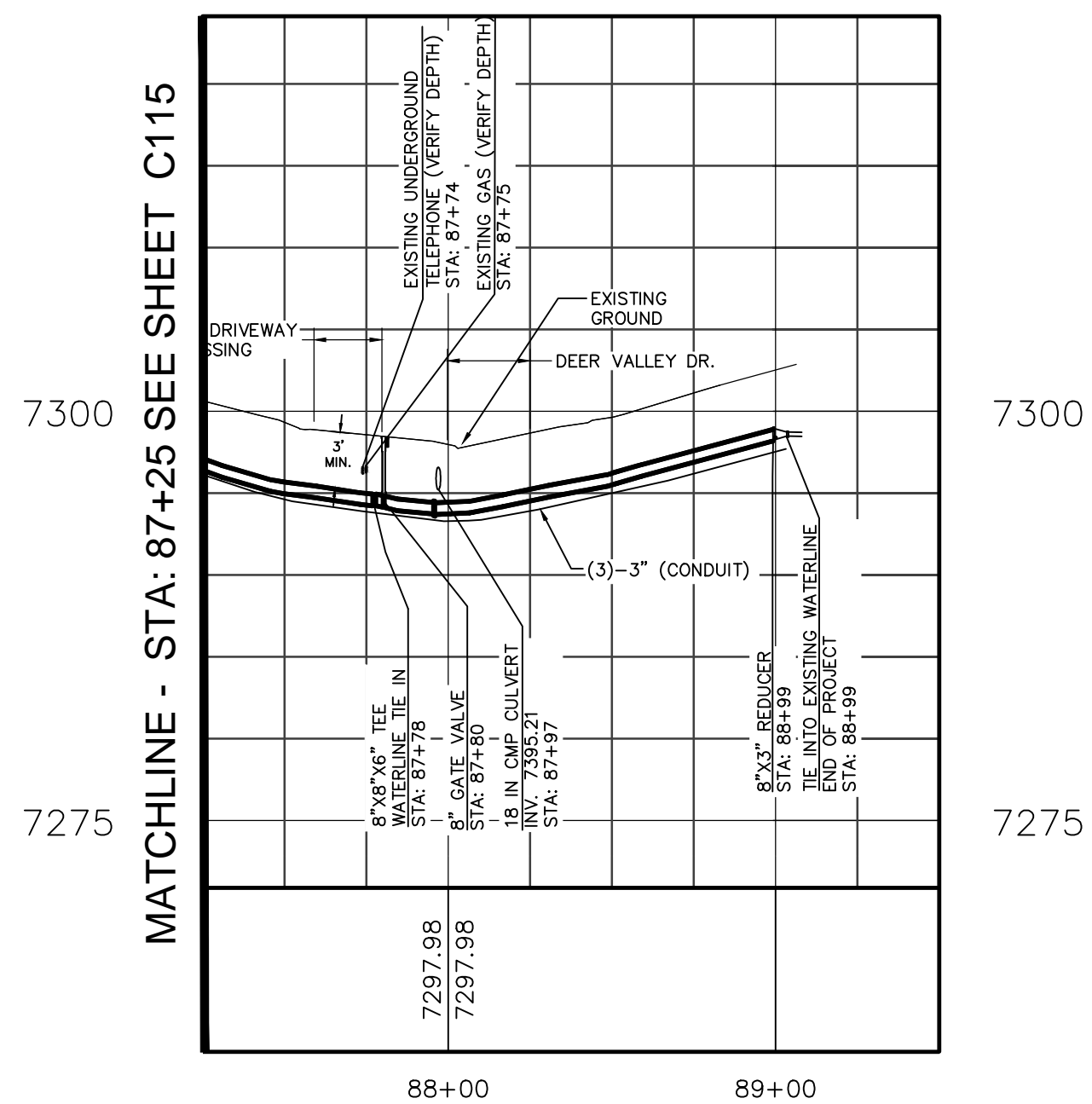
**DEER PARK DRIVE PLAN VIEW  
(STA: 87+25 TO 89+04)**

SCALE: 1" = 50'

**KEY NOTES (DEER PARK ROAD)**

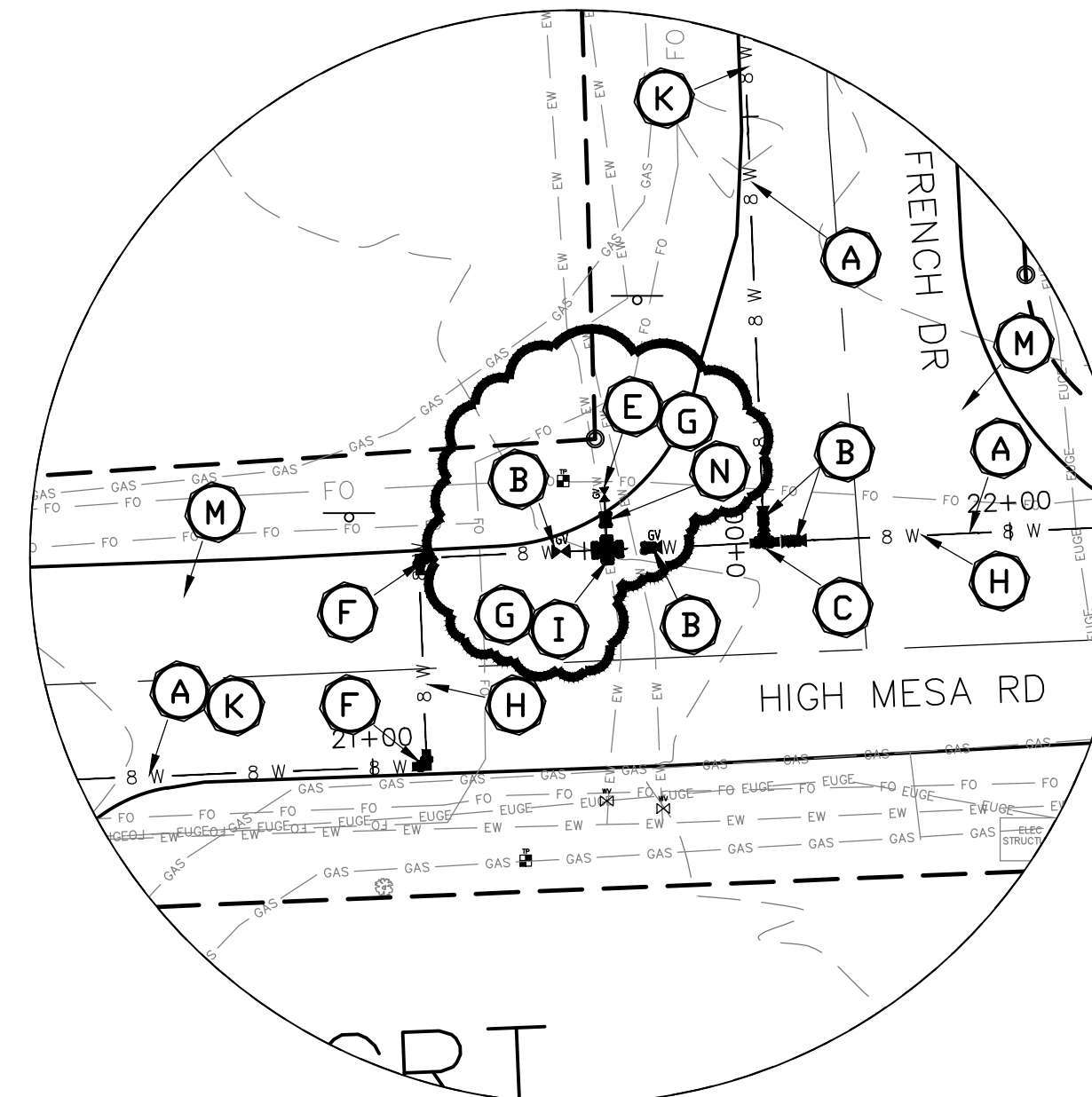
1. CONTRACTOR TO INSTALL 8" WATERLINE
2. CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
3. CONTRACTOR TO INSTALL 8"x8"x6" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
4. CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
5. ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
6. CONTRACTOR TO INSTALL 3-3" CONDUITS 6" UNDER NEW WATERLINE, SEE DETAIL ON SHEET D104 AND D105 FOR DETAILS
7. CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
8. CONTRACTOR TO TIE INTO EXISTING WATERLINE, SEE SHEET D104 FOR DETAILS
9. CONTRACTOR TO CROSS DRIVEWAY AND REPAIR BACK TO EXISTING, SEE SHEET D104 FOR DETAILS
10. CONTRACTOR TO INSTALL 8"x3" REDUCER, SEE SHEETS D100 AND D101 FOR DETAILS
11. CONTRACTOR TO INSTALL 45° BEND, SEE SHEET D100 FOR DETAILS

12. CONTRACTOR TO INSTALL 6" 45° BEND, SEE SHEET D100 FOR DETAILS
13. CONTRACTOR TO INSTALL 3" 45° BEND, SEE SHEET D100 FOR DETAILS
14. CONTRACTOR TO INSTALL 6" COUPLING, SEE SHEET D100 FOR DETAILS
15. CONTRACTOR TO INSTALL 6"x3" REDUCER, SEE SHEET D100 FOR DETAILS
16. CONTRACTOR TO INSTALL 8"x6" REDUCER, SEE SHEET D100 FOR DETAILS



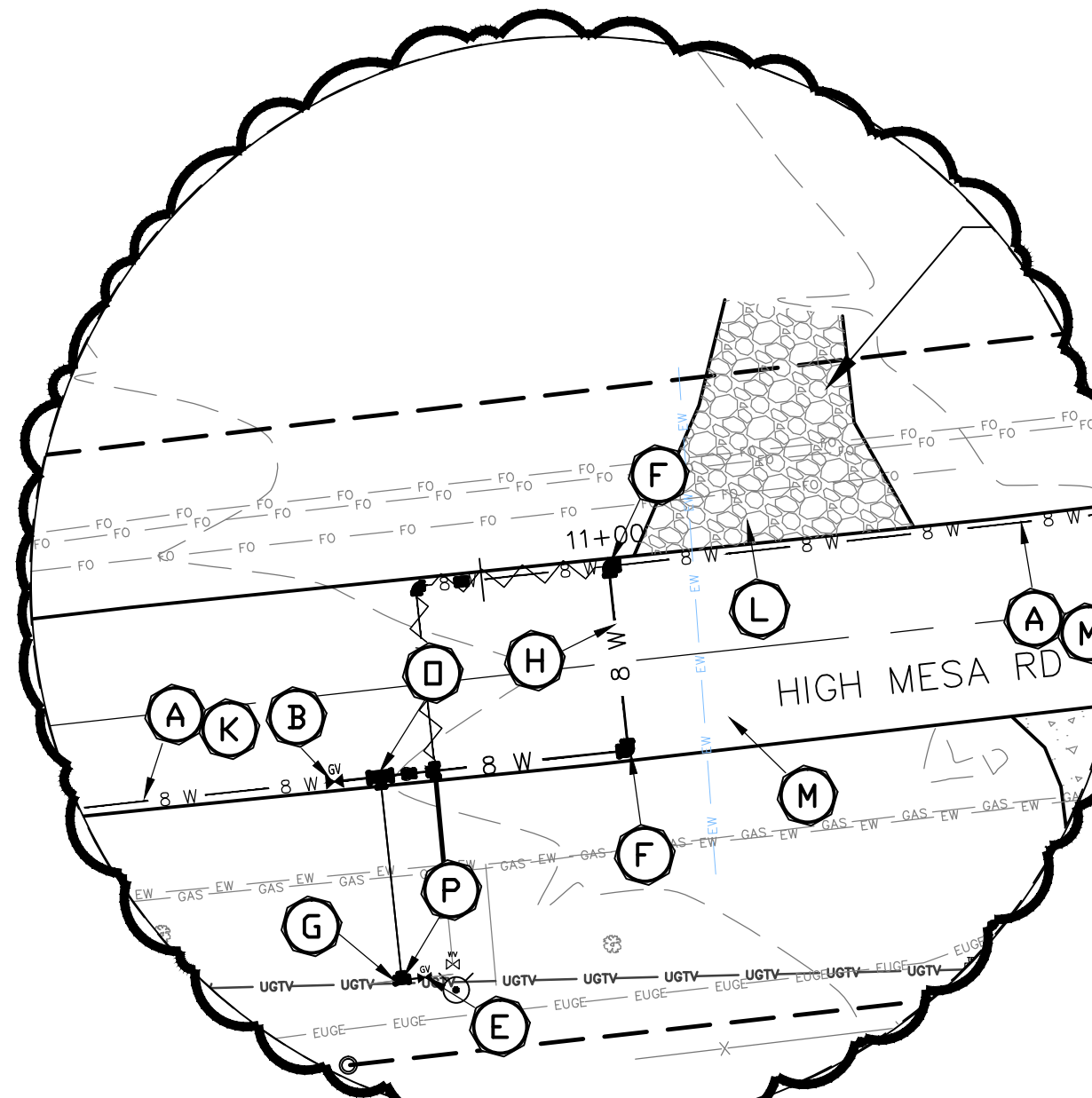
**DEER PARK DRIVE PROFILE VIEW  
(STA: 87+25 TO 88+99)**

HORIZONTAL SCALE: 1" = 50'  
VERTICAL SCALE: 1" = 10'



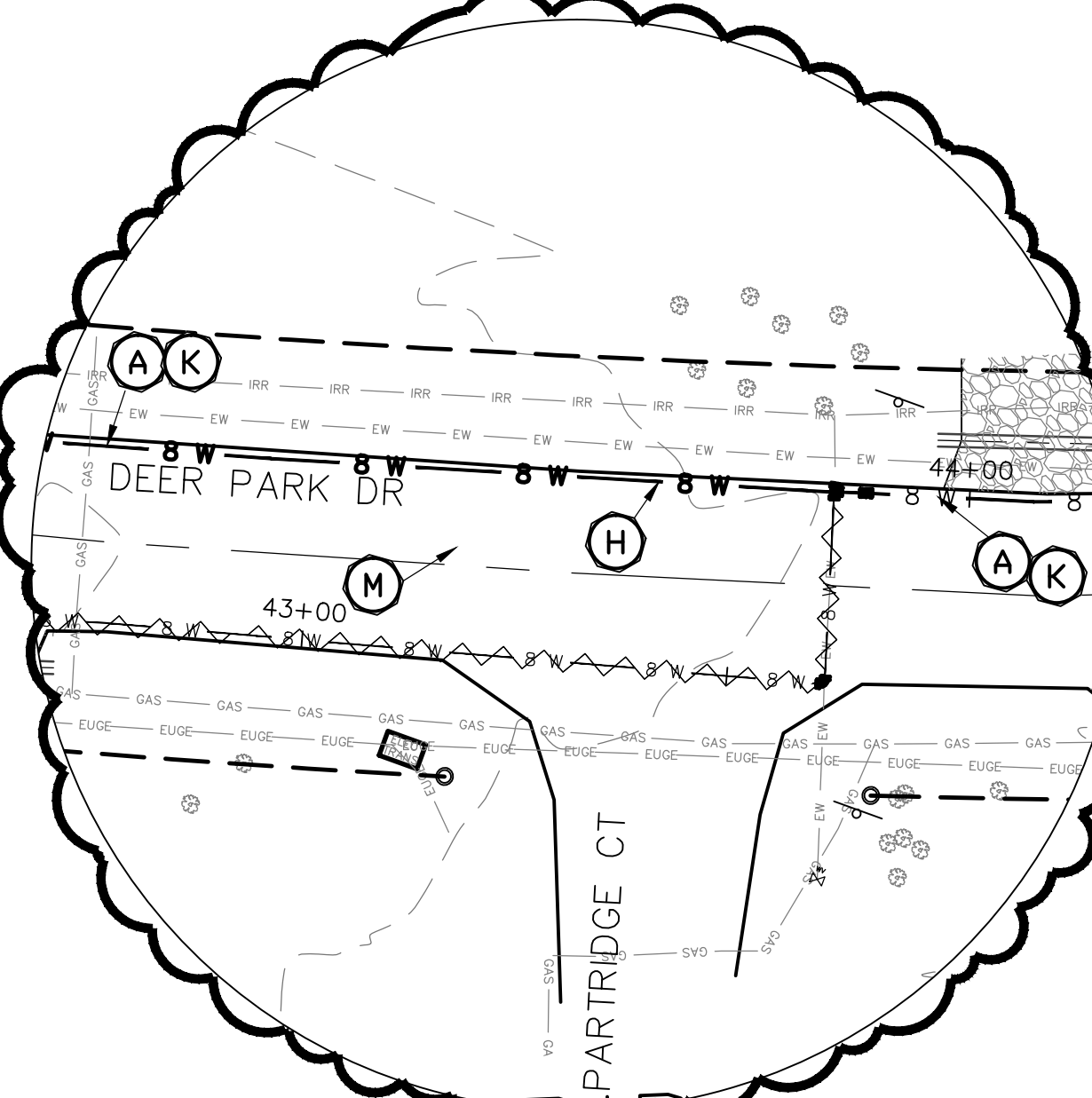
**DETAIL 1 (C101 & C108)**

SCALE: 1" = 20'



**DETAIL 2 (C104)**

SCALE: 1" = 20'



**DETAIL 3 (C113)**

SCALE: 1" = 20'

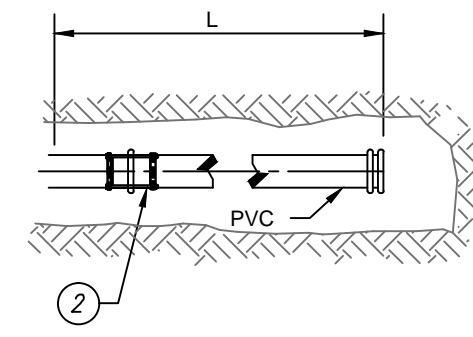
**KEY NOTES: (DETAILS)**

- A. CONTRACTOR TO INSTALL 8" WATERLINE
- B. CONTRACTOR TO INSTALL 8" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- C. CONTRACTOR TO INSTALL 8"x8"x8" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- D. CONTRACTOR TO INSTALL 8"x6"x8" TEE, SEE SHEETS D100 AND D101 FOR DETAILS
- E. CONTRACTOR TO INSTALL 6" GATE VALVE, SEE SHEETS D101 AND D102 FOR DETAILS
- F. CONTRACTOR TO INSTALL 8"x90" BEND, SEE SHEET D100 FOR DETAIL
- G. CONTRACTOR TO TIE INTO EXISTING WATERLINE
- H. CONTRACTOR TO OPEN CUT ROAD CROSSING AND REPAIR BACK TO EXISTING CONDITIONS, SEE SHEET D105 FOR DETAILS
- I. CONTRACTOR TO INSTALL 8"x8"x6"x6" CROSS, SEE SHEETS D100 AND D101 FOR DETAILS
- J. CONTRACTOR TO INSTALL 6"x6"x6"x6" CROSS, SEE SHEETS D100 AND D101 FOR DETAILS
- K. CONTRACTOR TO CUT 24" WIDE TRENCH IN ASPHALT, 1' FROM AND PARALLEL TO EDGE OF PAVEMENT AND REPAIR BACK TO EXISTING, SEE SHEET D105 FOR DETAILS
- L. CONTRACTOR TO CROSS DRIVEWAY AND REPAIR BACK TO EXISTING, SEE SHEET D104 FOR DETAILS
- M. ASPHALT OVERLAY, SEE SHEET D105 FOR DETAILS
- N. CONTRACTOR TO INSTALL 6" COUPLING, SEE SHEET D100 FOR DETAILS
- O. CONTRACTOR TO INSTALL 8"x8"x6" TEE, SEE SHEET D100 FOR DETAILS
- P. CONTRACTOR TO INSTALL 6"x6"x6" TEE, SEE SHEET D100 FOR DETAILS

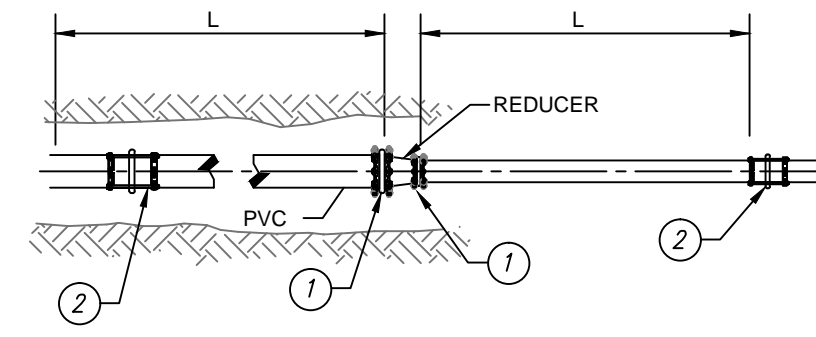
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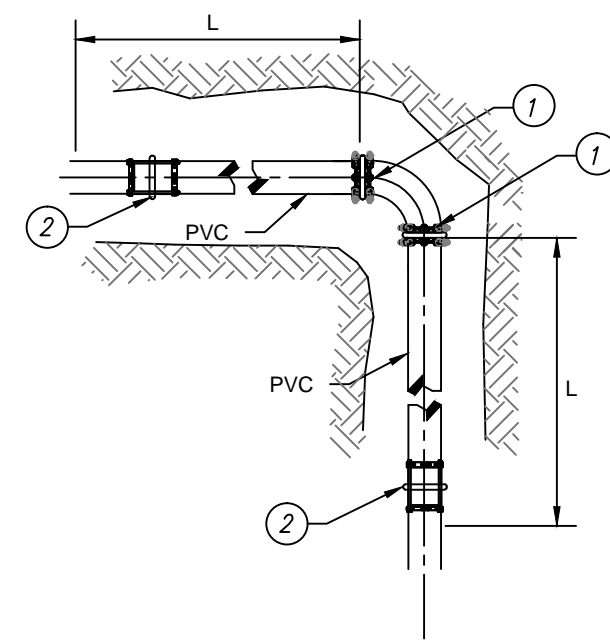


PLAN VIEW JOINT RESTRAINT FOR PLUG/CAP

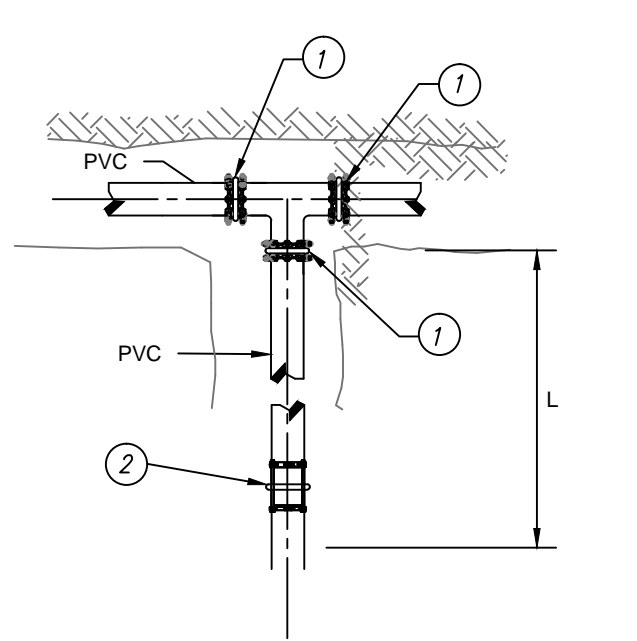


PLAN VIEW JOINT RESTRAINT FOR REDUCERS

NOTES: ① MECHANICAL JOINT RESTRAINT FOR PVC PIPE.  
② JOINT RESTRAINT HARNESS FOR PVC PIPE.



PLAN VIEW JOINT RESTRAINT FOR PVC ELBOWS  
(FOR 90°, 45° AND 22 1/2° SEE TABLE)



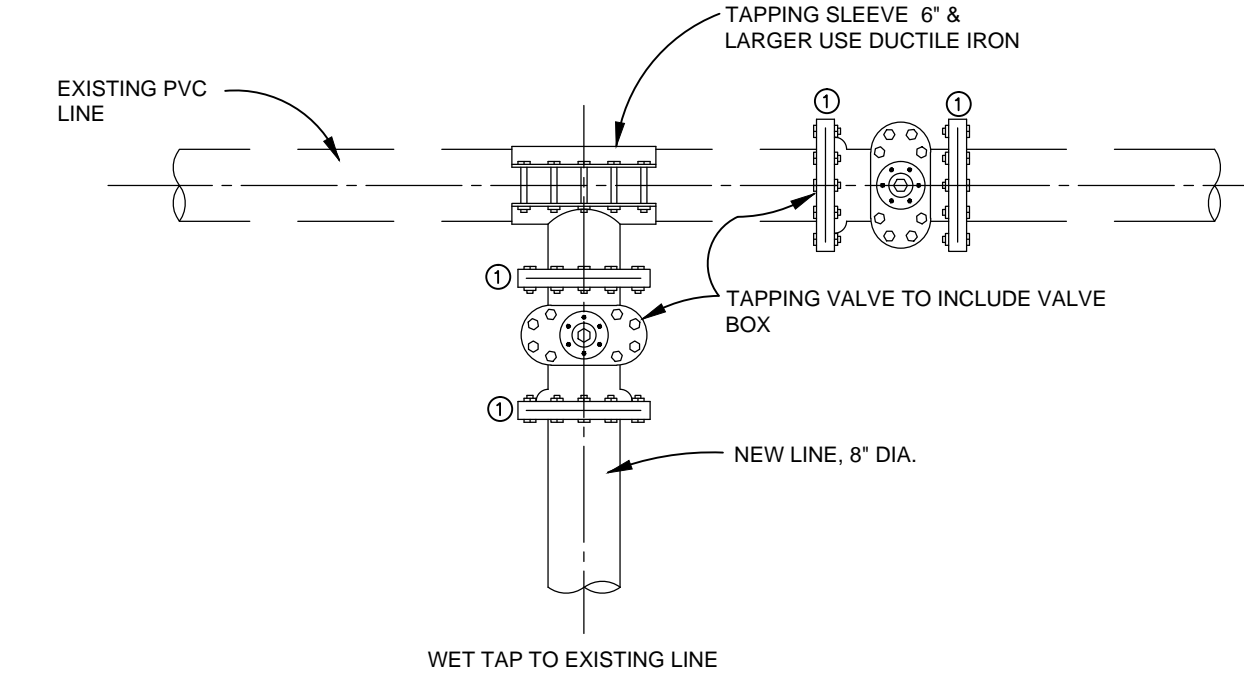
PLAN VIEW JOINT RESTRAINT FOR PVC TEE

PIPE RESTRAINTS FOR PVC PIPE AT BENDS  
NOT TO SCALE

①  
D100

ESTIMATED JOINT RESTRAINT TABLE													
PIPE SIZE	# RESTRAINTS	RESTRAINT HARNESSES	REDUCERS										
			18"	16"	14"	12"	10"	8"	6"	4"	3"		
8"	2	NOTE #5											
PIPE SIZE	# RESTRAINTS	RESTRAINT HARNESSES	VERTICAL ANGLES FOR 8" PIPE @ 8" BELOW GROUND										
			90°	45°	22.5°	11.25°							
8"	2	NOTE #5	7	5	1								
PIPE SIZE	# RESTRAINTS	RESTRAINT HARNESSES	HORIZONTAL ANGLES										
			90°	45°	22.5°	11.25°							
8"	2	NOTE #5	6	3	2	2							
PIPE SIZE	# RESTRAINTS	RESTRAINT HARNESSES	TEES										
			LENGTH @ RUN	LENGTH @ BRANCH									
8"x8"x8"	3	3	20'	1'									
8"x8"x6"	3	3	20'	1'									
PIPE SIZE	# RESTRAINTS	RESTRAINT HARNESSES	DEAD ENDS LENGTH										
			15'										
8"	2	3											

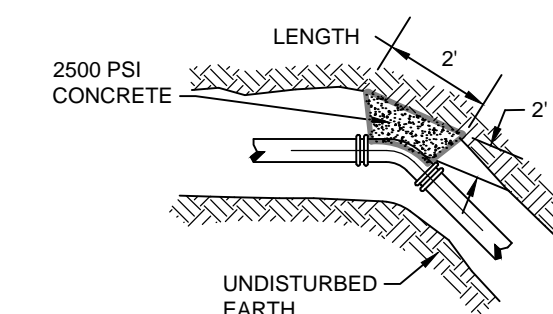
NOTE:  
1) USE EBAA IRON SERIES 1600 JOINT RESTRAINTS FOR C-900 PVC PIPE OR APPROVED EQUAL.  
2) ALL RESTRAINTS ARE CALCULATED FOR:  
A) PVC  
B) 36" BELOW GRADE  
C) CLAY  
D) 1.5 SAFETY FACTOR  
E) TEST PRESSURE 150 PSI  
ANY VARIATION OF THESE FACTORS AND RESTRAINTS MUST BE RECALCULATED  
3) ASSUMED 20' PIPE SECTION  
4) HARNESSES ARE SET AT EACH PIPE CONNECTION (ASSUMED 20') AND AT END OF RESTRAINT LENGTH  
5) ALL RESTRAINTS AND HARNESSES TO BE SET ACCORDING TO MANUFACTURES SPECIFICATIONS



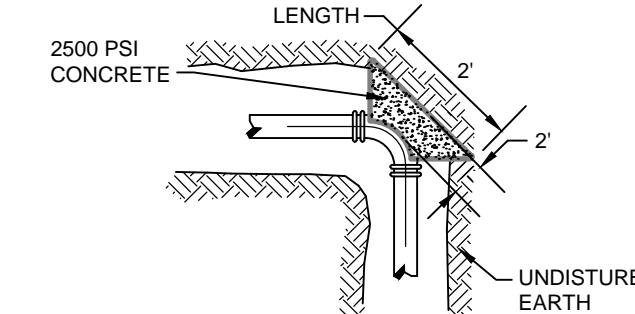
NOTE  
① MEG-A-LUG WEDGE ACTION JOINT RESTRAINT, SERIES - 1100 FOR CAST IRON OR DUCTILE, SERIES - 1100 PV FOR CAST IRON SIZE PVC (TYPICAL)

WET TAP CONNECTION  
NOT TO SCALE

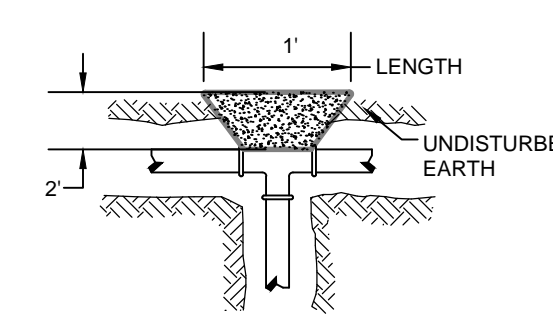
②  
D100



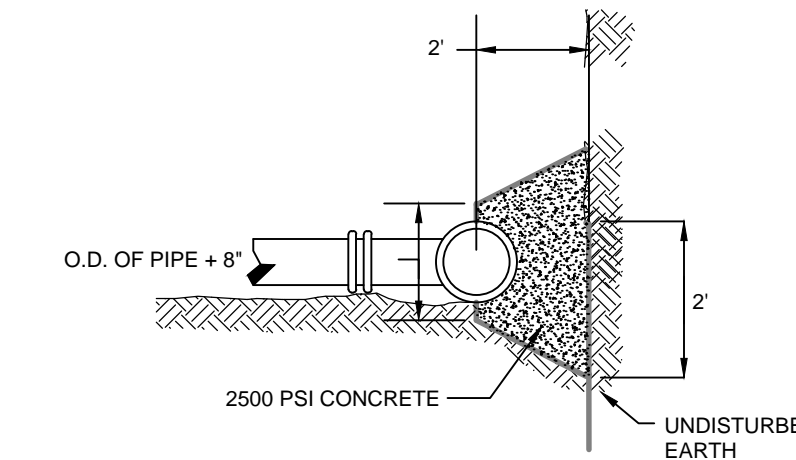
CONCRETE BLOCKING FOR 45° BEND



CONCRETE BLOCKING FOR ELBOW

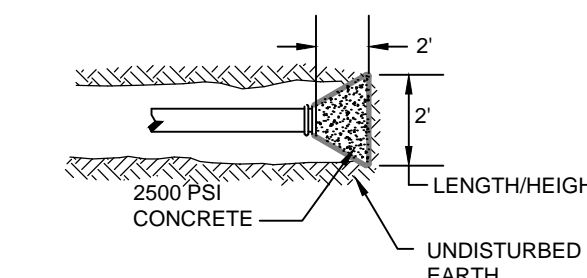


PLAN VIEW-CONCRETE BLOCKING FOR TEE



ELEVATION-CONCRETE BLOCKING

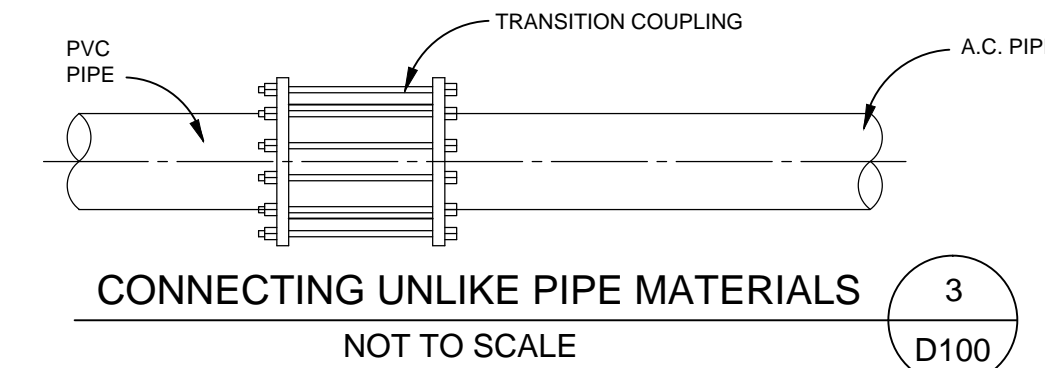
NOTES  
1 THRUST BLOCKING MAY BE USED IN LIEU OF JOINT RESTRAINTS.



CONCRETE BLOCKING FOR PLUG/CAP

THRUST BLOCKING AT BENDS  
NOT TO SCALE

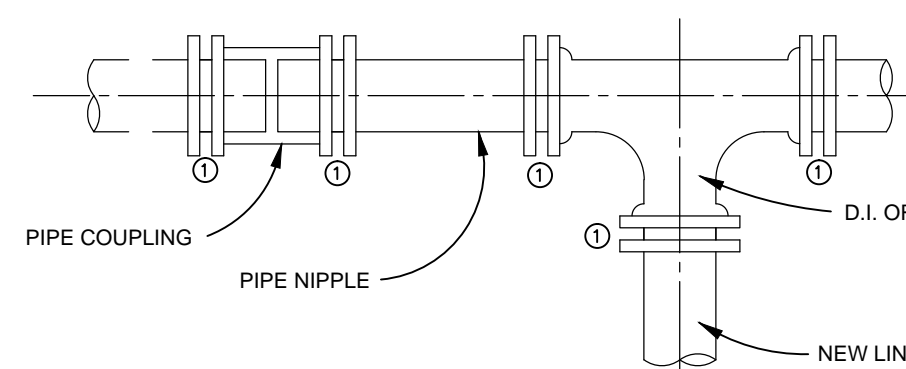
⑤  
D100



CONNECTING UNLIKE PIPE MATERIALS  
NOT TO SCALE

③  
D100

NOTE  
① MEG-A-LUG WEDGE ACTION JOINT RESTRAINT, SERIES - 1100 FOR CAST IRON OR DUCTILE, SERIES - 1100 PV FOR CAST IRON SIZE PVC (TYPICAL)



CUTTING TEE INTO EXISTING LINE  
NOT TO SCALE

④  
D100

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"NOTICE OF EXTENDED PAYMENT PROVISION;  
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Jul 15, 2013 4:21pm P:\6-AL\6SD Revised Ph. A. WL. 2012 (6321934)\CAD\dwg\Record Drawing\6321934-D100-D105-2012.dwg

Revisions  
By \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
By \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
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Date SEPTEMBER 2012 Drawn JAD/ALS/AAF  
Checked JG/LJR  
Approved ELK  
Scale AS SHOWN

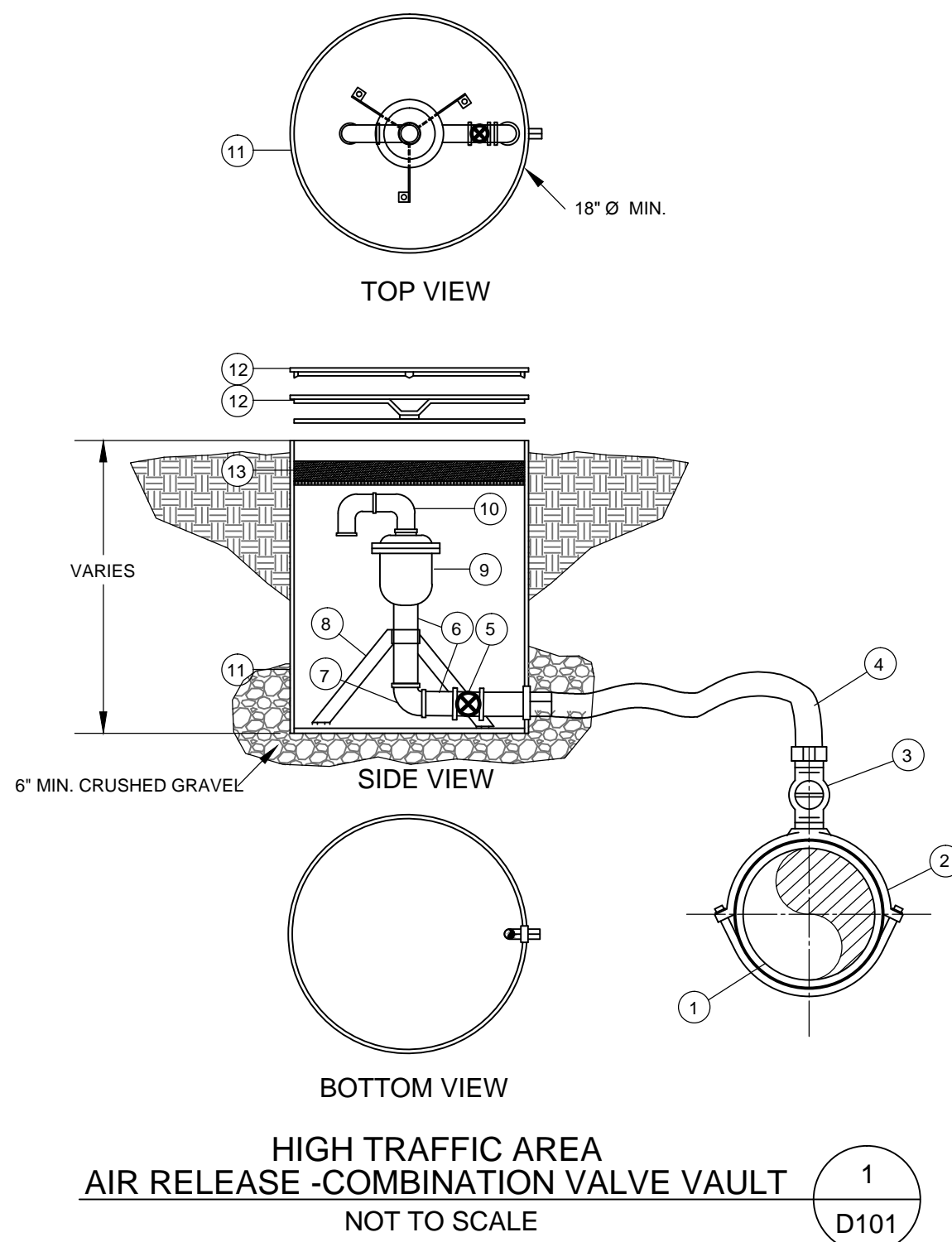


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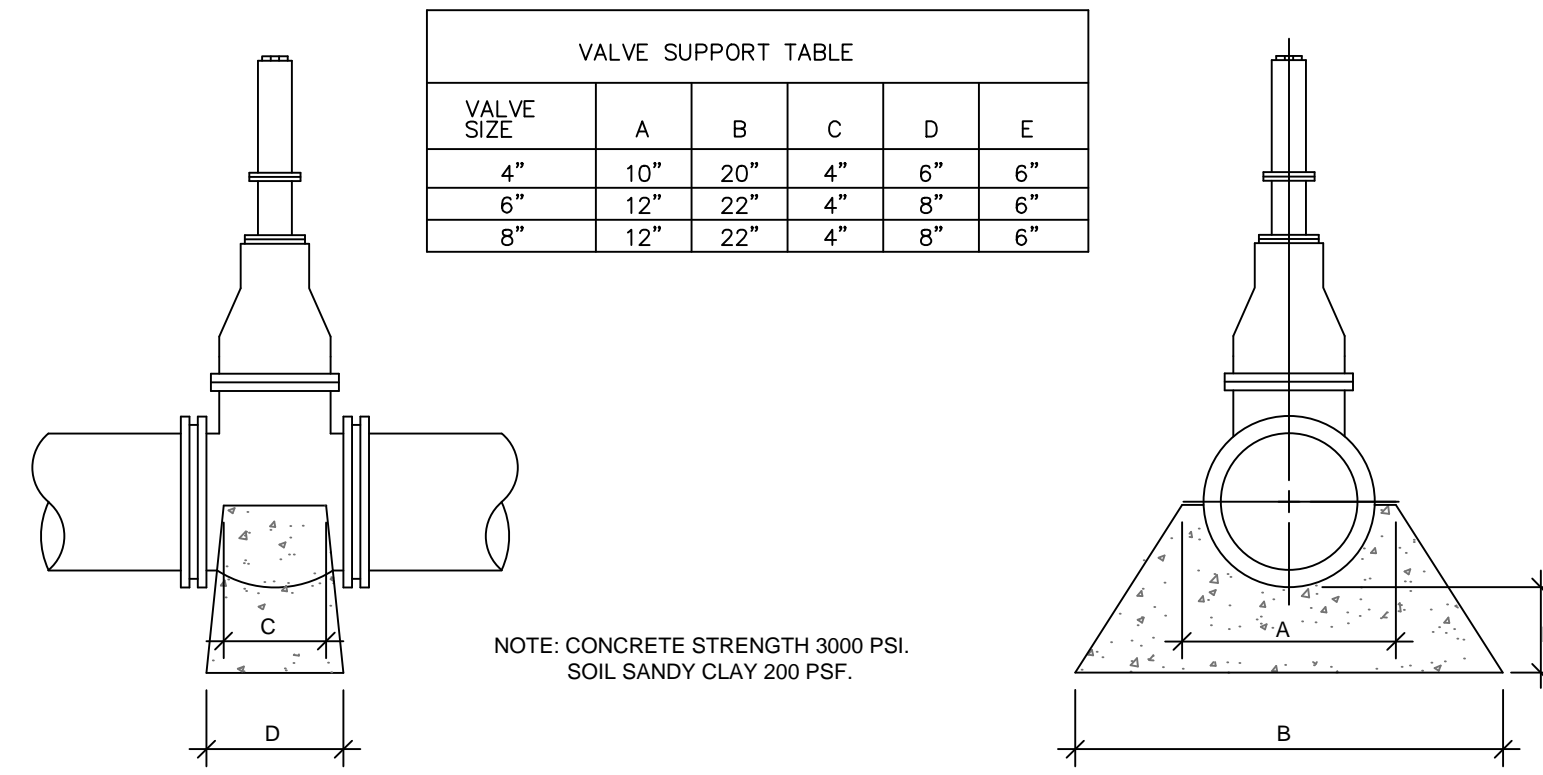
Utility Details  
Alto Lakes W&SD  
Lincoln County, New Mexico

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D100





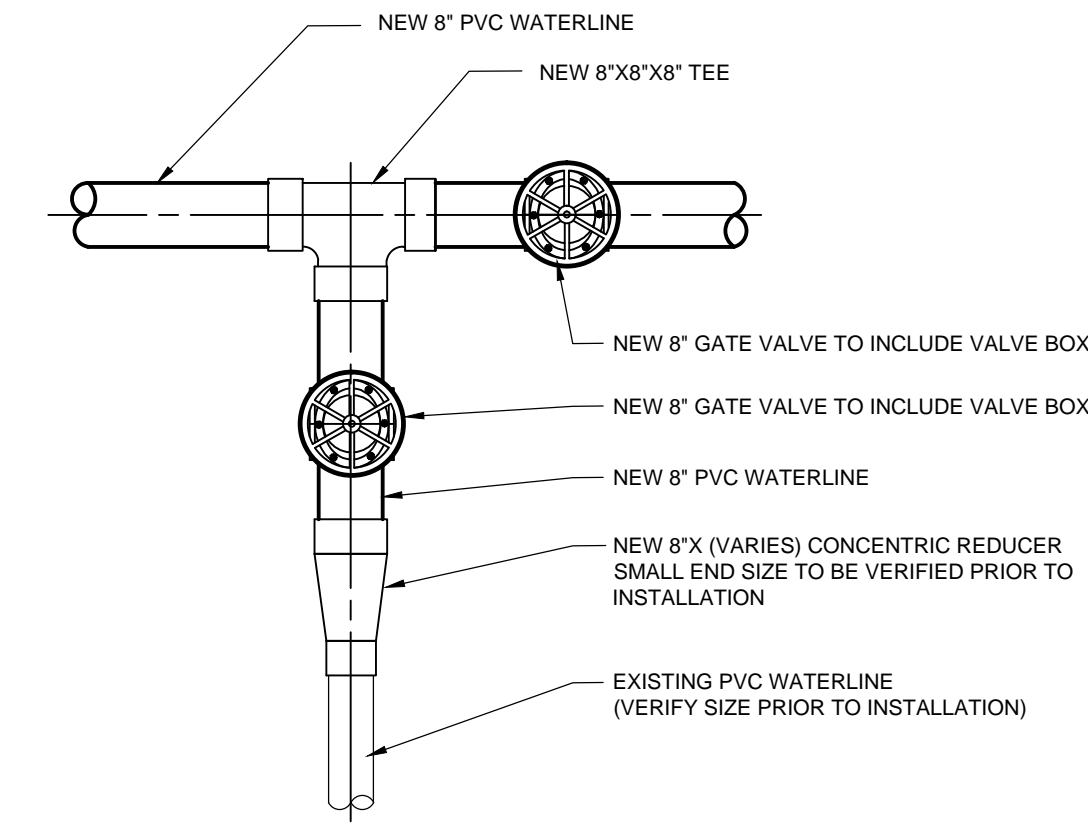
- SCHEDULE**
- 1 WATERLINE
  - 2 MUELLER STYLE 291 SADDLE W/ 3/4" CC TAP, OAE
  - 3 MUELLER H-15005 (CC) CORPORATION STOP, OAE
  - 4 3/2" DIAM. POLYETHYLENE
  - 5 MUELLER B-20283 3/4" FIP x FIP BALL VALVE, OAE
  - 6 3/4" GALVANIZED PIPE
  - 7 3/2" GALVANIZED 90° ELBOW
  - 8 1" ANGLE IRON, FASTEN TO MOVEABLE PLATFORM
  - 9 AIR-RELEASE VALVE OR COMBINATION AIR VALVE
  - 10 STREET ELBOW (X2), SCREENED.
  - 11 MUELLER METER BOX, OAE
  - 12 METER BOX COVER (CAST IRON HIGH TRAFFIC RATED)
  - 13 MUELLER INSULATING PAD, OAE



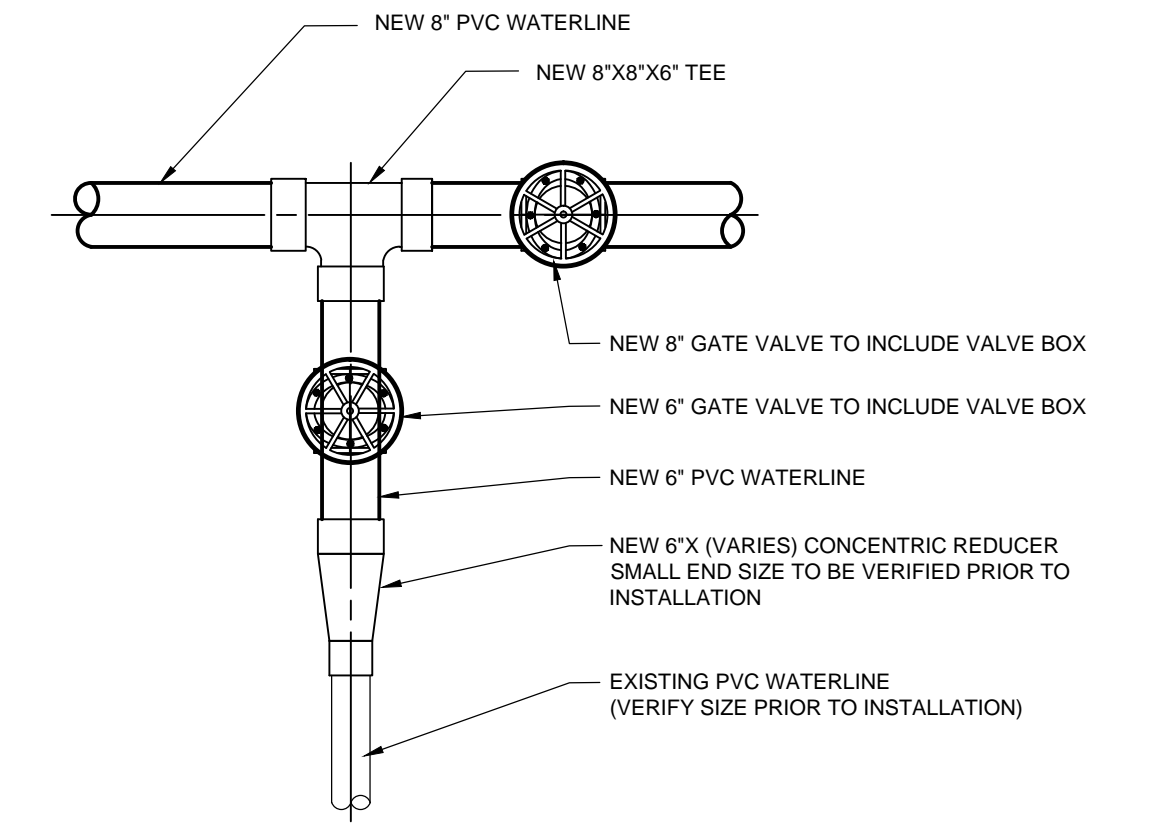
VALVE SIZE	A	B	C	D	E
4"	10"	20"	4"	6"	6"
6"	12"	22"	4"	8"	6"
8"	12"	22"	4"	8"	6"

NOTE: CONCRETE STRENGTH 3000 PSI.  
SOIL SANDY CLAY 200 PSF.

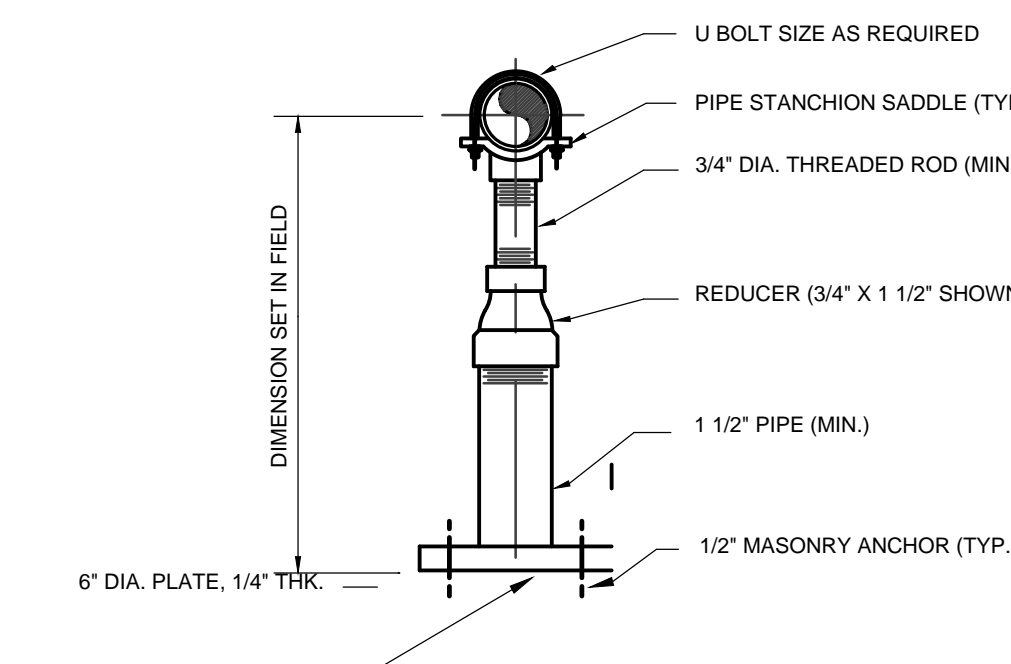
VALVE SUPPORT  
NOT TO SCALE



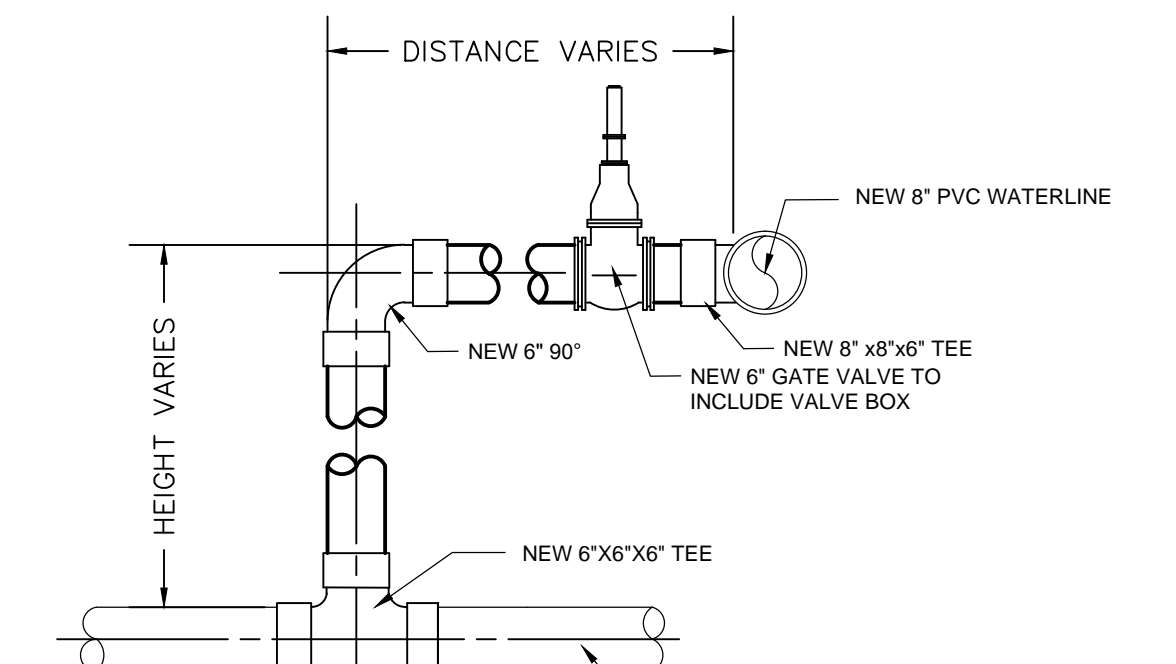
8"X8"X8" CROSS STREET TIE IN DETAIL  
NOT TO SCALE



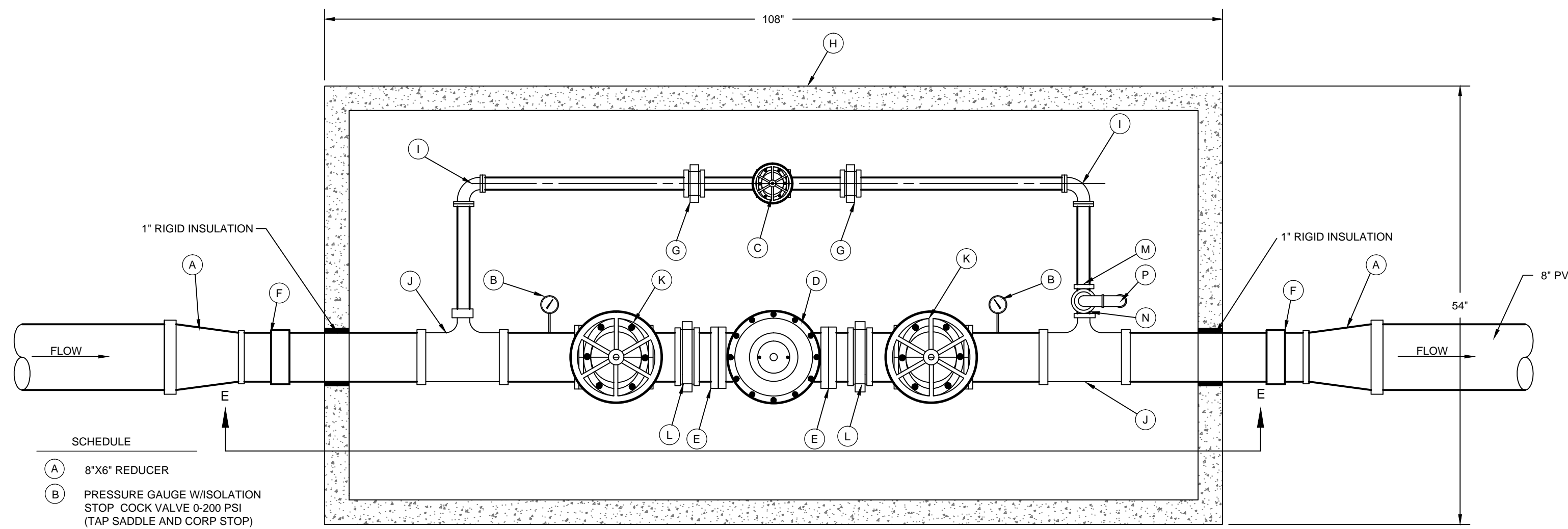
8"X8"X6" CROSS STREET TIE IN DETAIL  
NOT TO SCALE



PIPE SUPPORT DETAIL  
NOT TO SCALE



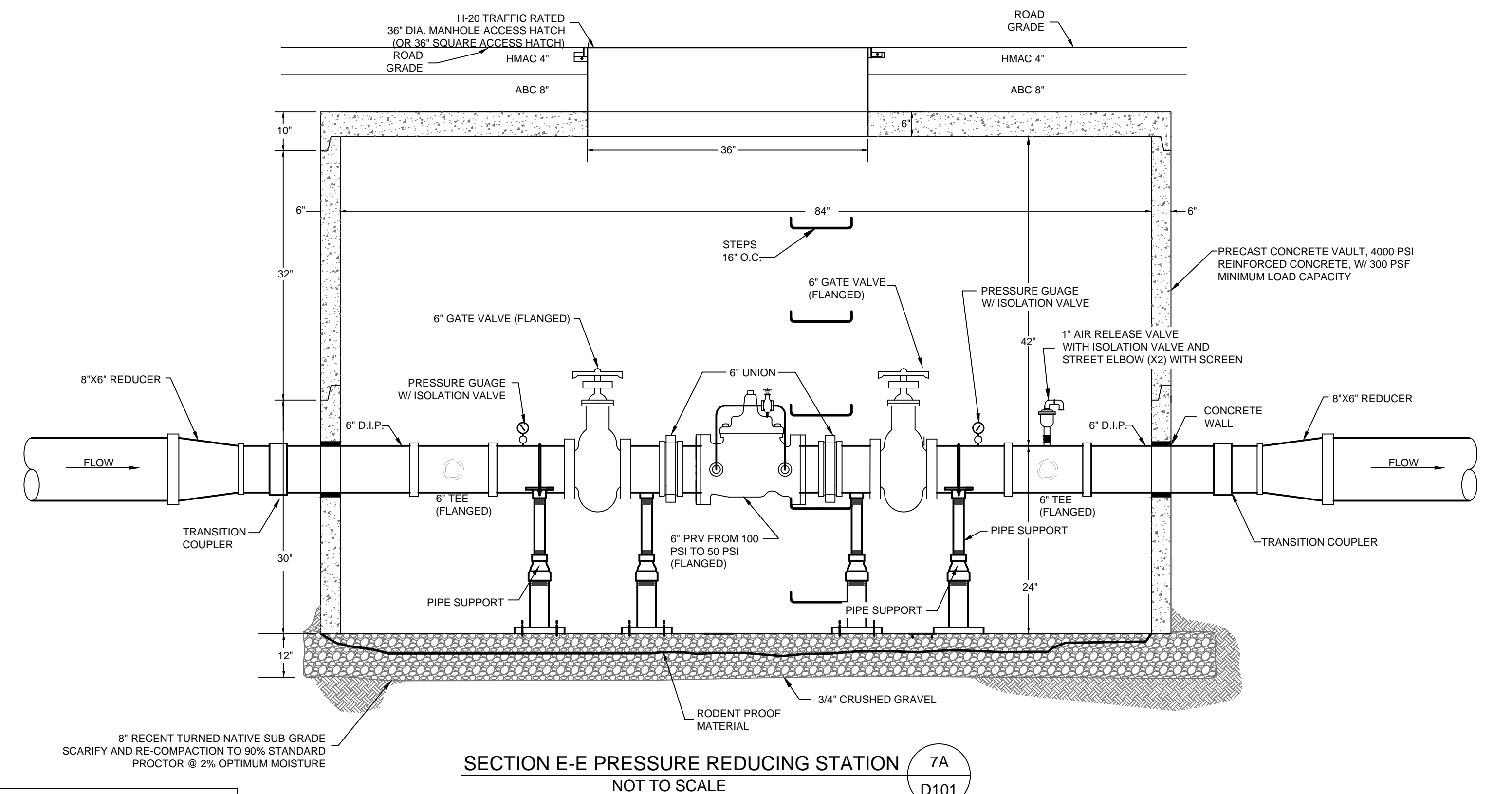
CROSS STREET TIE IN DETAIL  
NOT TO SCALE



- SCHEDULE**
- A 8"X6" REDUCER
  - B PRESSURE GAUGE W/ISOLATION STOP COCK VALVE 0-200 PSI (TAP SADDLE AND CORP STOP)
  - C 1 1/2" BALL VALVE
  - D 6" PRV
  - E 6" COUPLING
  - F MECH. JOINT ADAPTER (PVC x DI)
  - G 1 1/2" UNION
  - H PRECAST CONCRETE VAULT, 4000 PSI REINFORCED CONCRETE, W/ 300 PSF MINIMUM LOAD CAPACITY (TRAFFIC RATED)
  - I 1 1/2" ELBOW
  - J 6"X6"X1 1/2" TEE (M.J.)
  - K 6" GATE VALVE
  - L 6" UNION
  - M 1 1/2" X1 1/2" X1 1/2" TEE MJ
  - N 1" AIR RELEASE VALVE W/ ISOLATION VALVE
  - P STREET ELBOW (X2), SCREENED.

NOTES:  
1. BURIED GALVANIZED AND D.I. PIPE SHALL BE EPOXY COATED.  
2. PAINT PIPING IN VAULT.  
3. PRESSURE GAUGES SHALL HAVE ISOLATION VALVES.

PRESSURE REDUCING STATION  
NOT TO SCALE



SECTION E-E PRESSURE REDUCING STATION  
NOT TO SCALE

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Jul 15, 2013 4:22pm  
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6/27/13 09:15-2012

Revisions  
By \_\_\_\_\_ Date \_\_\_\_\_ Descr.: \_\_\_\_\_  
By \_\_\_\_\_ Date \_\_\_\_\_ Descr.: \_\_\_\_\_  
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Date SEPTEMBER 2012 Drawn JAD/ALS/AAF  
Checked JGL/LJR  
Scale AS SHOWN Approved ELK

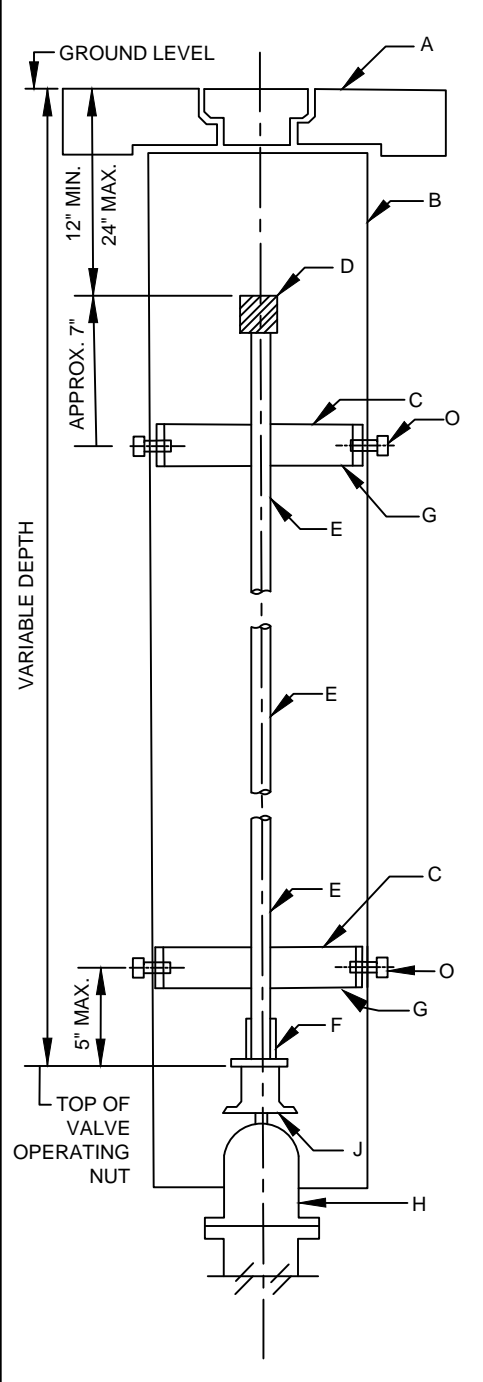


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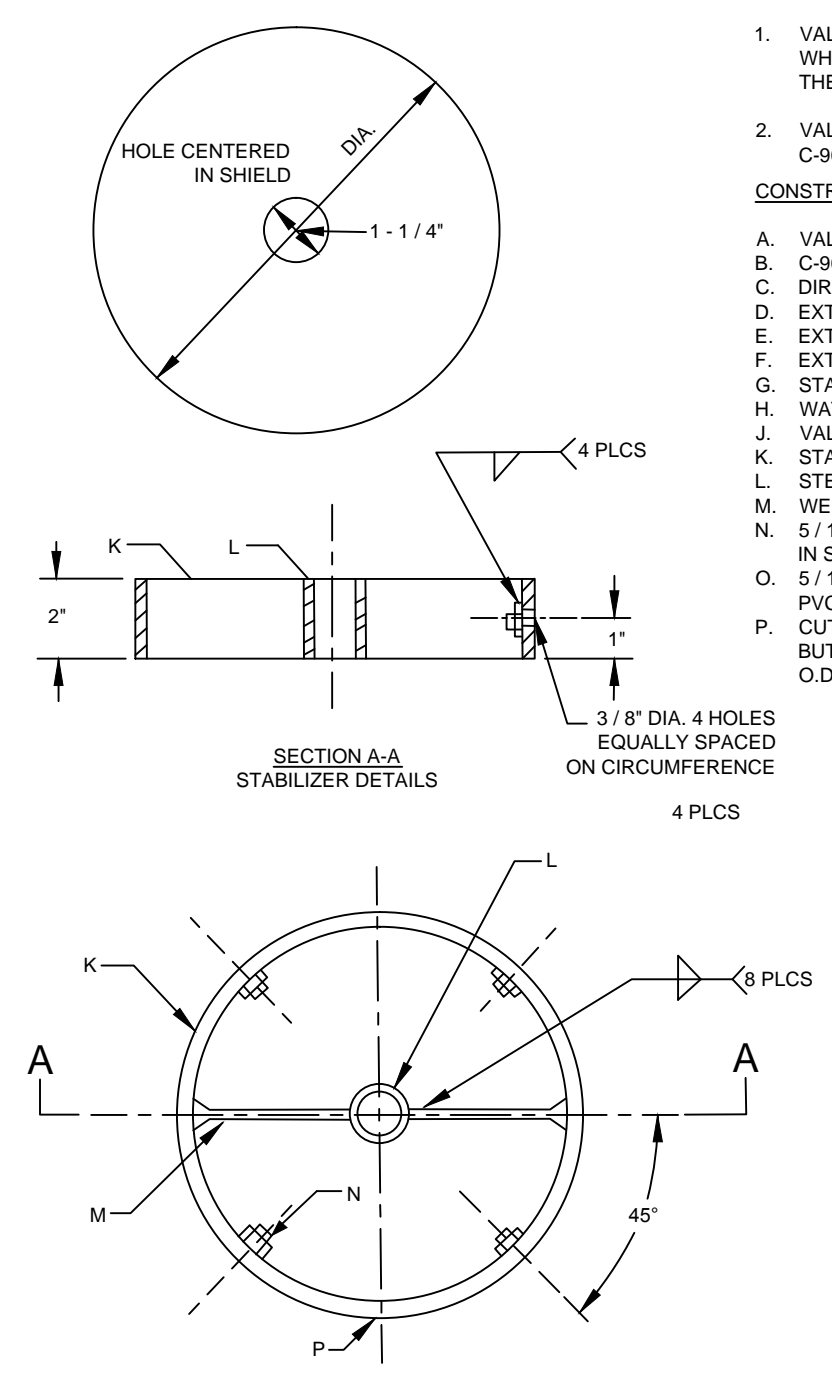
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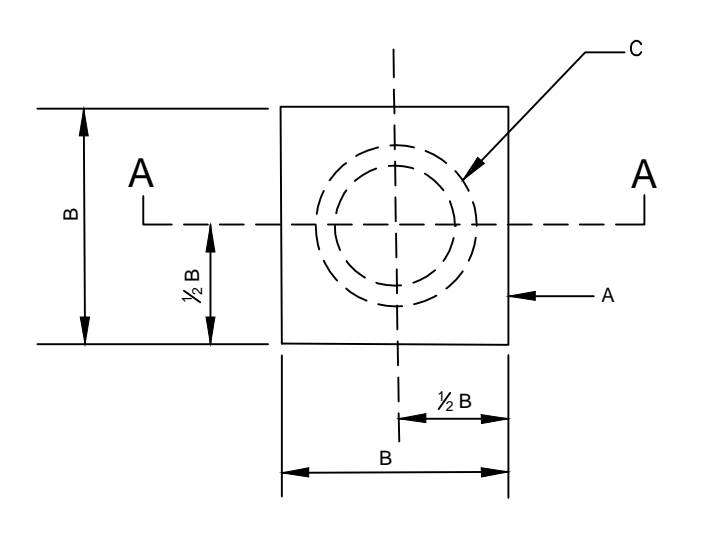
**VALVE STEM EXTENSION**  
NOT TO SCALE

1  
D102



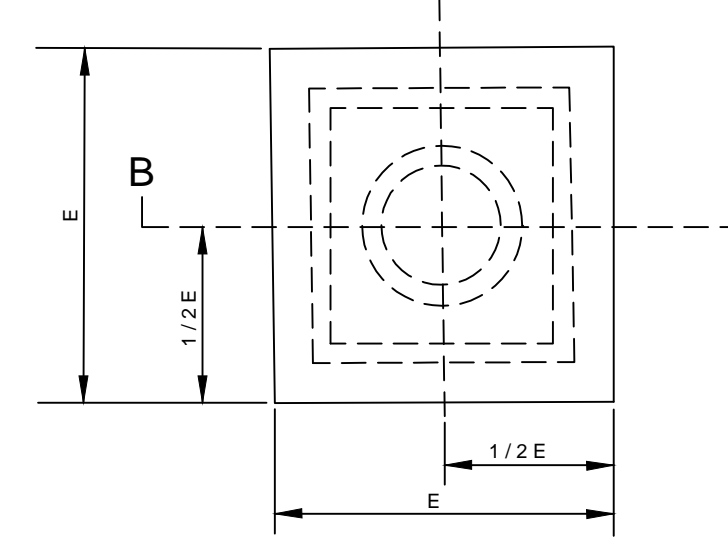
- GENERAL NOTES:**
1. VALVE STEM EXTENSIONS SHALL ONLY BE USED WHERE SHOWN ON THE PLANS OR AUTHORIZED BY THE ENGINEER.
  2. VALVE CAMS SHALL BE ONE SINGLE PIECE OF C-900 PVC PIPE.
- CONSTRUCTION NOTES:**
- A. VALVE BOX LID.
  - B. C-900 PVC VALVE CAM.
  - C. DIRT SHIELD, 1' 8" PROPERTY LINE.
  - D. EXTENSION NUT, SEE SECTION A-A THIS SHEET.
  - E. EXTENSION STEM, 1" DIAMETER STEEL BAR.
  - F. EXTENSION SOCKET, SEE SECTION B-B THIS SHEET.
  - G. STABILIZER.
  - H. WATER VALVE.
  - J. VALVE OPERATING NUT.
  - K. STABILIZER FRAME, SCH 40.
  - L. STEM SLEEVE, 1 - 1/4" DIAMETER X 2", SCH 40.
  - M. WEB BAR, STEEL BAR 4-1/8" X 2" X 1/4".
  - N. 5/16" LOCK NUT, EQUALLY SPACED AND WELDED TO INSIDE OF FRAME. (4 EACH).
  - O. 5/16" - 18 X 2" H.M. BOLTS TO SECURE FRAME TO PVC. (4 EACH).
  - P. CUT 3/4" WIDE SEGMENT FROM SCH 40 PIPE AND BUTT WELD ENDS TOGETHER TO REDUCE FRAME O.D.

- GENERAL NOTES:**
1. THESE NUTS AND SOCKETS ARE A PART OF THE VALVE STEM EXTENSION.
  2. VALVE OPERATING NUT WILL DETERMINE SIZE OF NUT AND SOCKET.



**EXTENSION NUT**

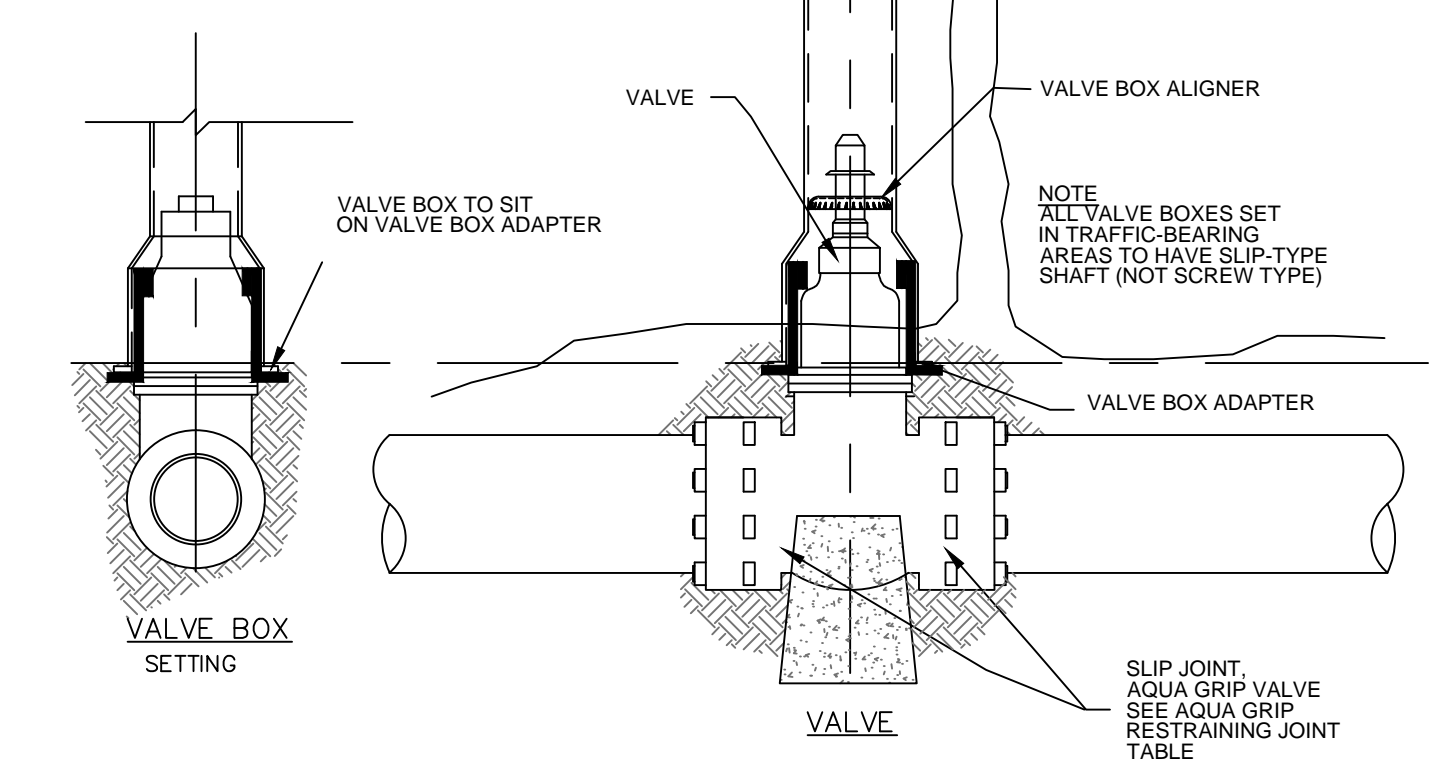
- CONSTRUCTION NOTES:**
1. DIMENSIONS AND MATERIALS FOR 2" VALVE OPERATING NUT.
    - A. 2" LONG H.R. STEEL BAR, 2" X 2"
    - B. 2"
    - C. 1" DIAMETER, SCH 40 X 2" (1.315 O.D. X 1.049 I.D.)
    - D. DRILL .312 DIAMETER HOLE THROUGH PIPE FOR .3 DIAMETER CLEVIS PIN/COTTER PIN.
  2. DIMENSIONS AND MATERIALS FOR 3" VALVE OPERATING NUT.
    - A. 2" LONG H.R. STEEL BAR, 3" X 3"
    - B. 2"
    - C. 1" DIAMETER, SCH 40 X 2" (1.315 O.D. X 1.049 I.D.)
    - D. DRILL .312 DIAMETER HOLE THROUGH PIPE FOR .3 DIAMETER CLEVIS PIN/COTTER PIN.



**EXTENSION SOCKET**

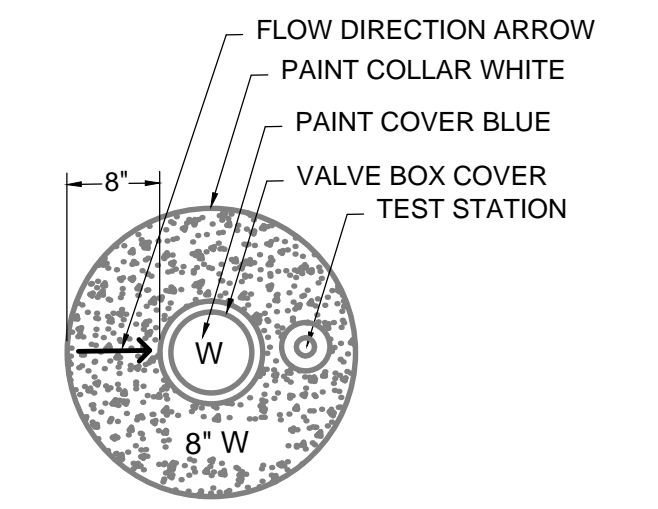
1. DIMENSIONS AND MATERIALS FOR 2" VALVE OPERATING NUT.
  - E. 3 - 1/4"
  - F. 1" DIAMETER EXTENSION BAR
  - G. 1" DIAMETER, SCH 40(1.315 O.D. X 1.049 I.D.)
  - H. 3 - 1/4" X 3 - 1/4" X 1/4" H.R. STEEL PLATE
  - J. 2" LONG H.R. STEEL SQUARE TUBULAR SECTION, 2.5" SQUARE OUTSIDE DIMENSION X .1875" WALL
2. DIMENSIONS AND MATERIALS FOR 3" VALVE OPERATING NUT.
  - E. 3 - 1/4"
  - F. 1" DIAMETER EXTENSION BAR
  - G. 1" DIAMETER, SCH 40(1.315 O.D. X 1.049 I.D.)
  - H. 3 - 1/4" X 3 - 1/4" X 1/4" H.R. STEEL PLATE
  - J. 2" LONG H.R. STEEL SQUARE TUBULAR SECTION, 2.5" SQUARE OUTSIDE DIMENSION X .1875" WALL

**VALVE STEM EXTENSION**



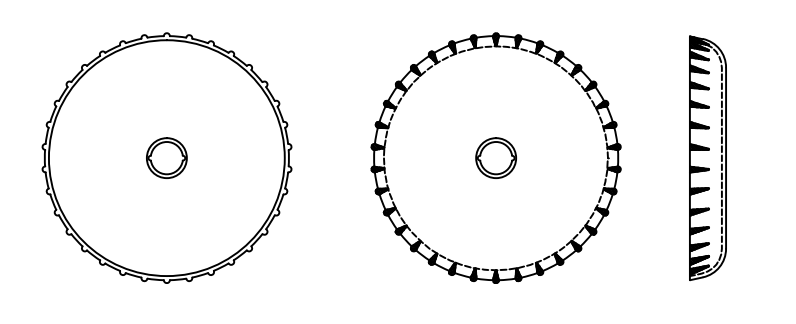
**TYPICAL VALVE DETAIL**  
NOT TO SCALE

2  
D102

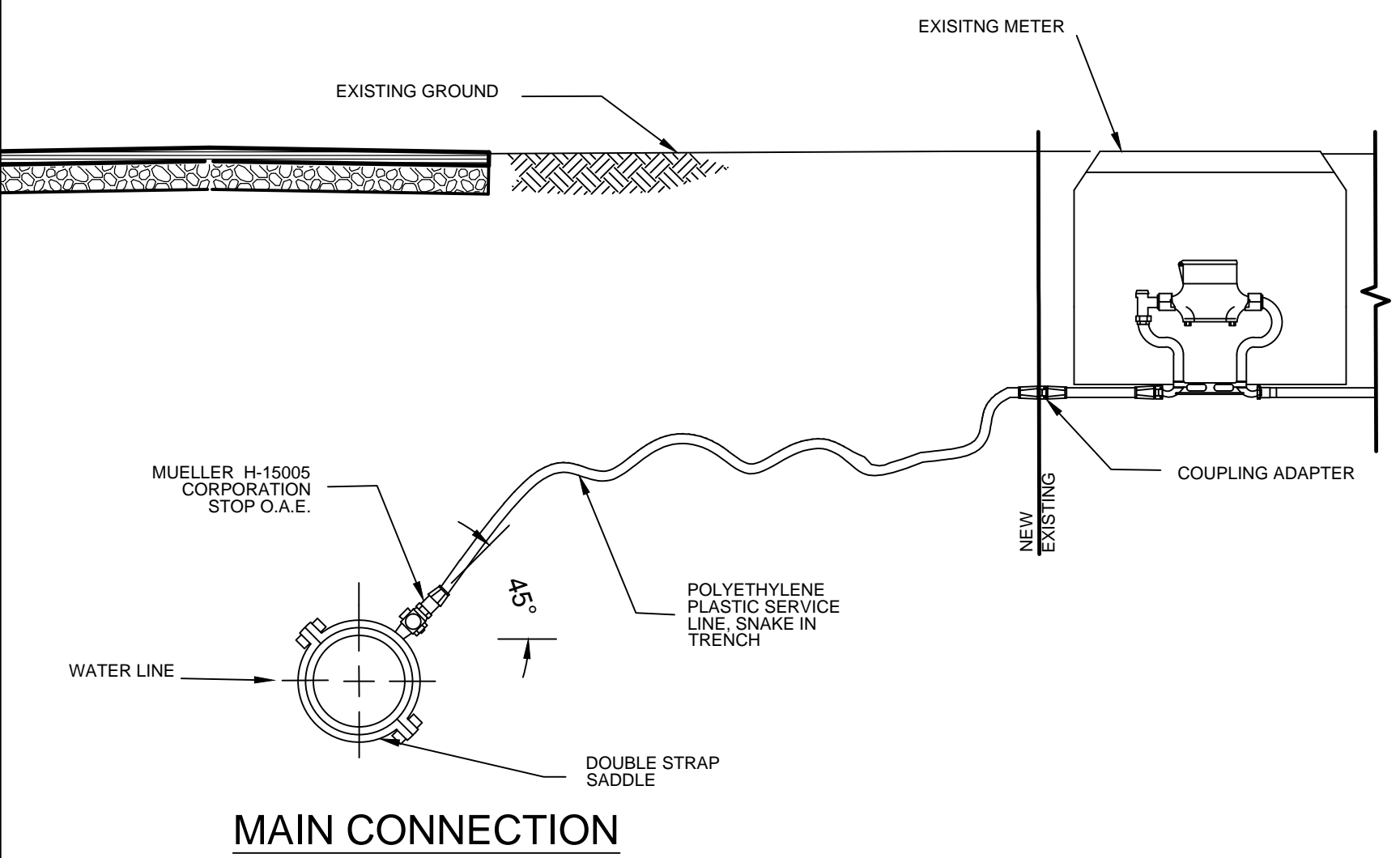


**VALVE BOX COLLAR DETAIL**  
NOT TO SCALE

3  
D102

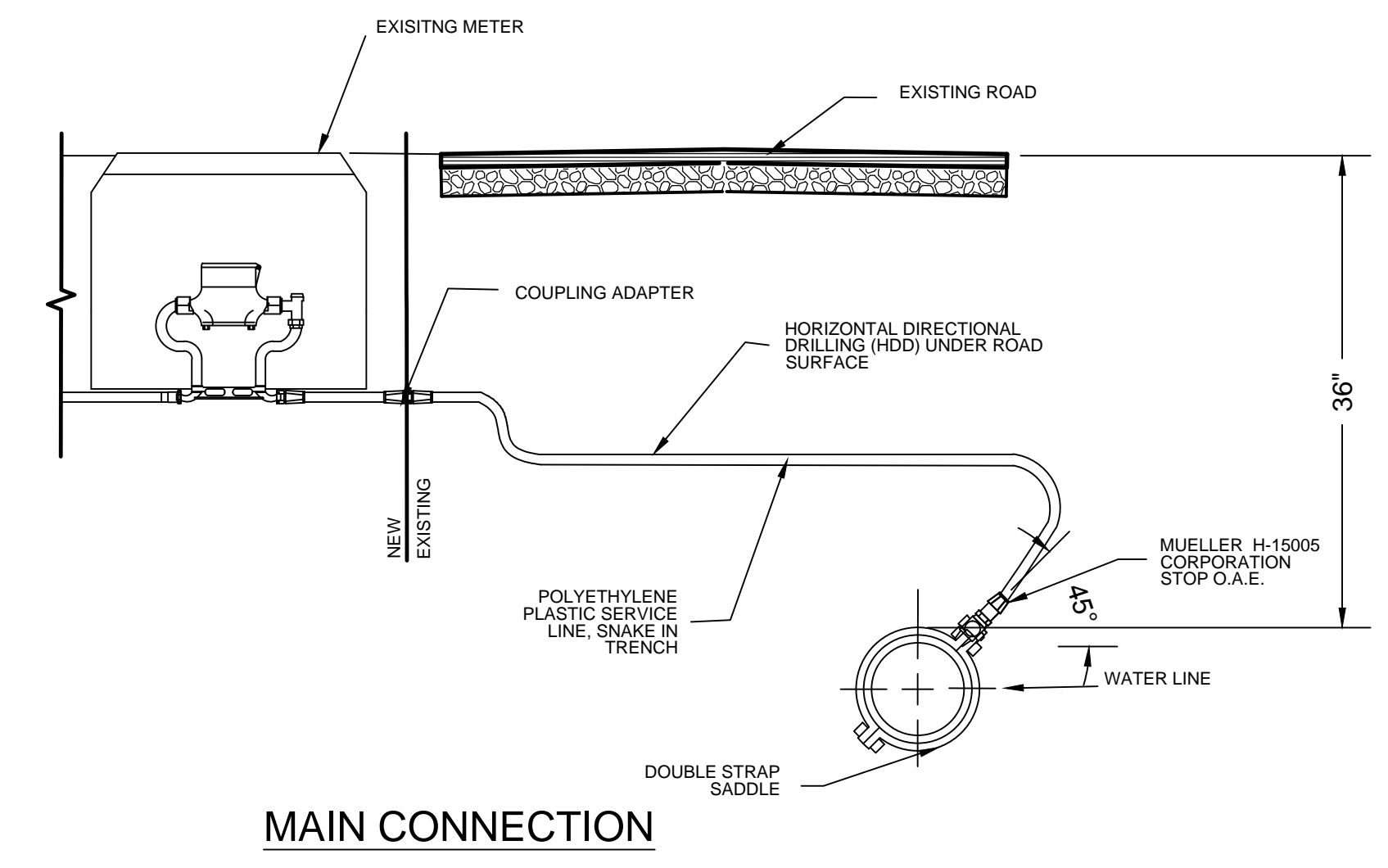


**VALVE BOX ALIGNER**  
TO BE PLACED IN ALL VALVE BOXES FOR PROPER ALIGNMENT



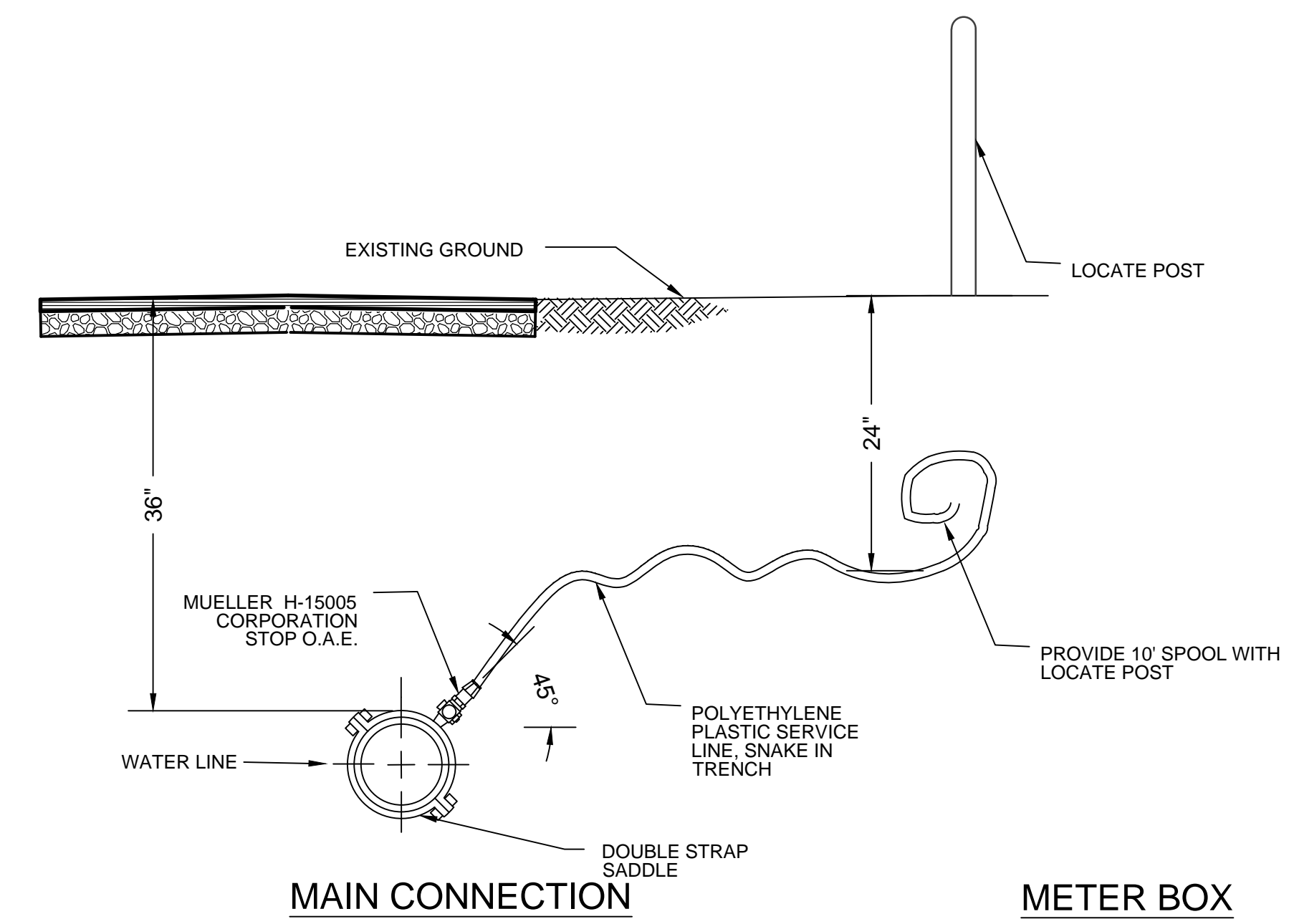
**EXISTING METER BOX WITH NEW SERVICE CONNECTION**  
NOT TO SCALE

3  
D102



**ROAD CROSSING EXISTING METER BOX WITH NEW SERVICE CONNECTION**  
NOT TO SCALE

4  
D102



**NEW SERVICE CONNECTION WITHOUT METER**  
NOT TO SCALE

5  
D102

**RECORD DRAWING**  
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**"NOTICE OF EXTENDED PAYMENT PROVISION;**  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Jul 15, 2013 4:22pm P:\6-AL\MSD Revised Ph. A. WL. 2012 (6321934)\CAD\dwg\Record Drawing\6321934-D100-D105-2012.dwg

Revisions  
By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
By: \_\_\_\_\_ Date: \_\_\_\_\_ Descr.: \_\_\_\_\_  
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Date: SEPTEMBER 2012 Drawn: JAD/ALS/AAF  
Checked: JG/LJR  
Scale: AS SHOWN Approved: ELK

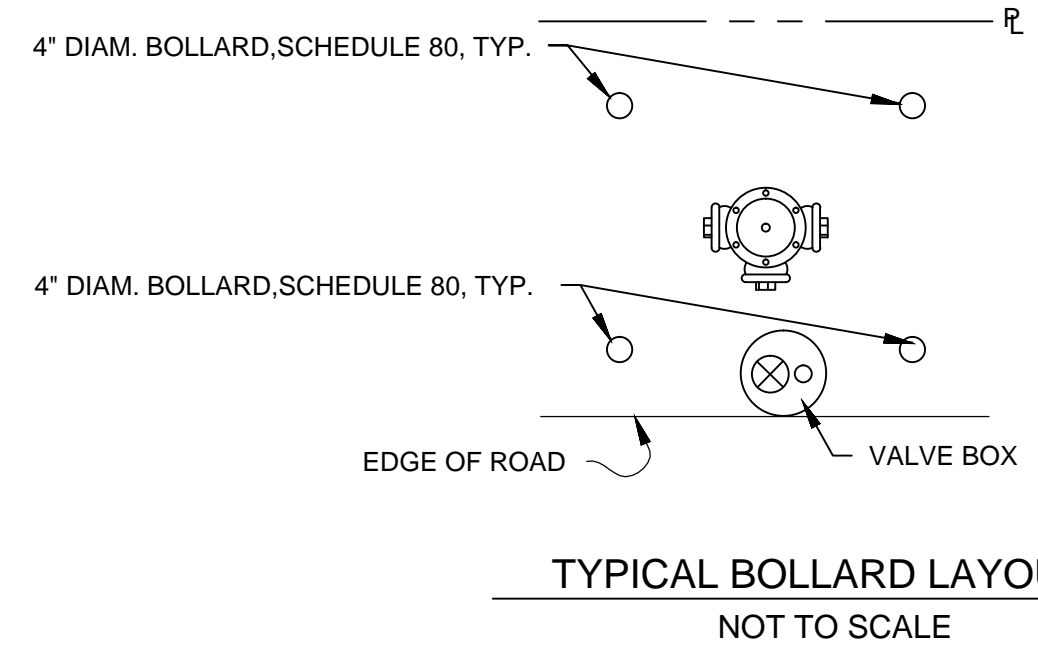
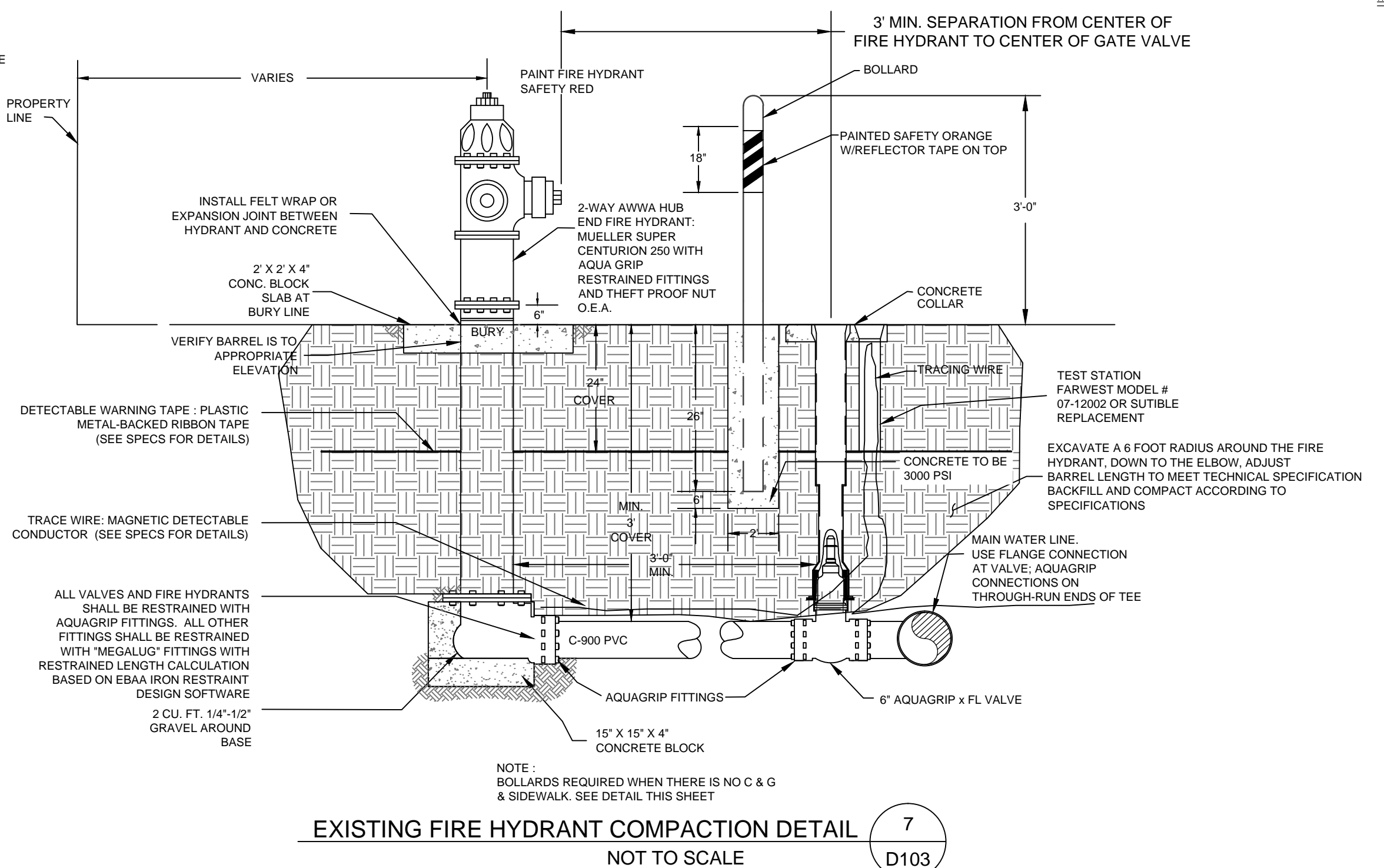
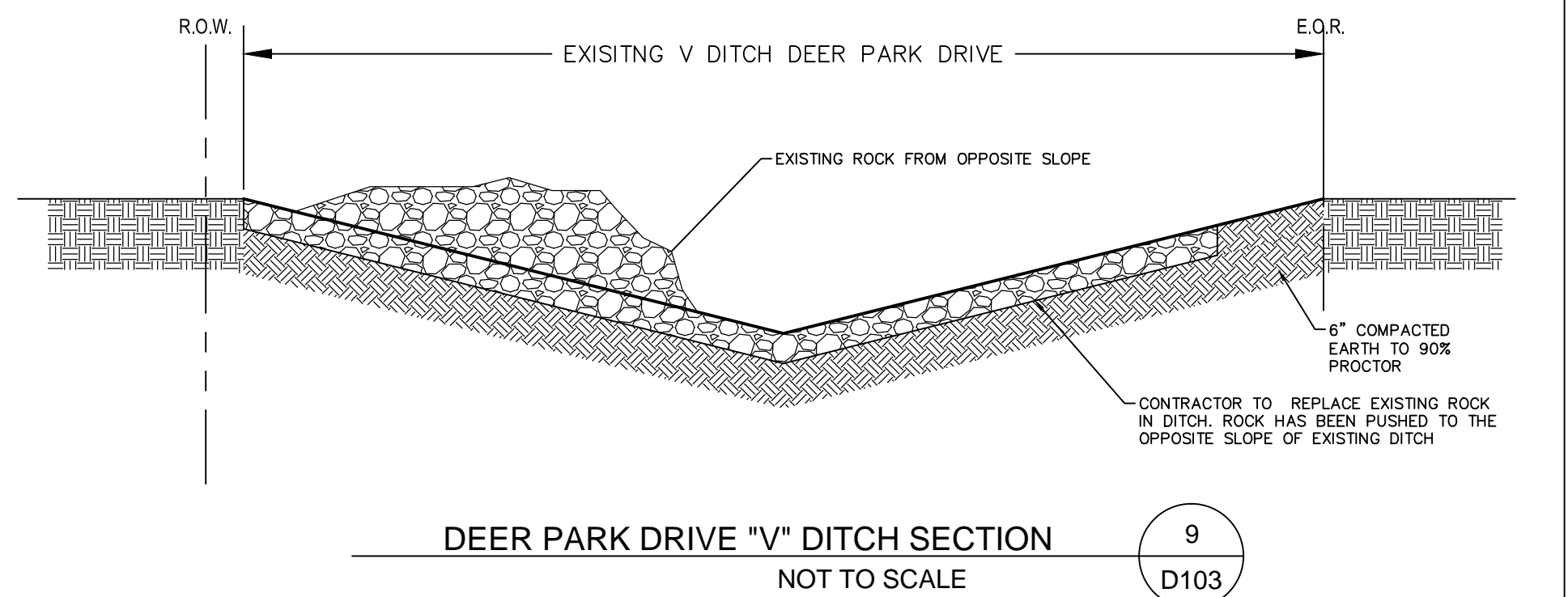
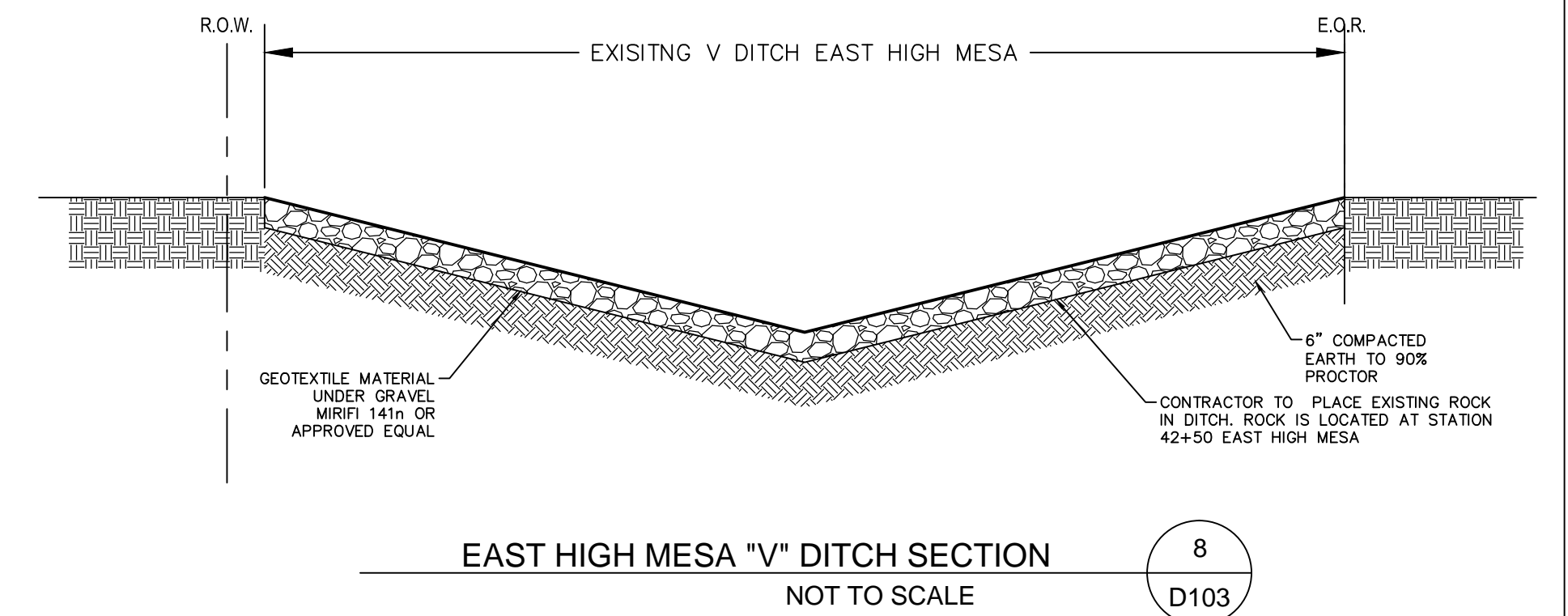
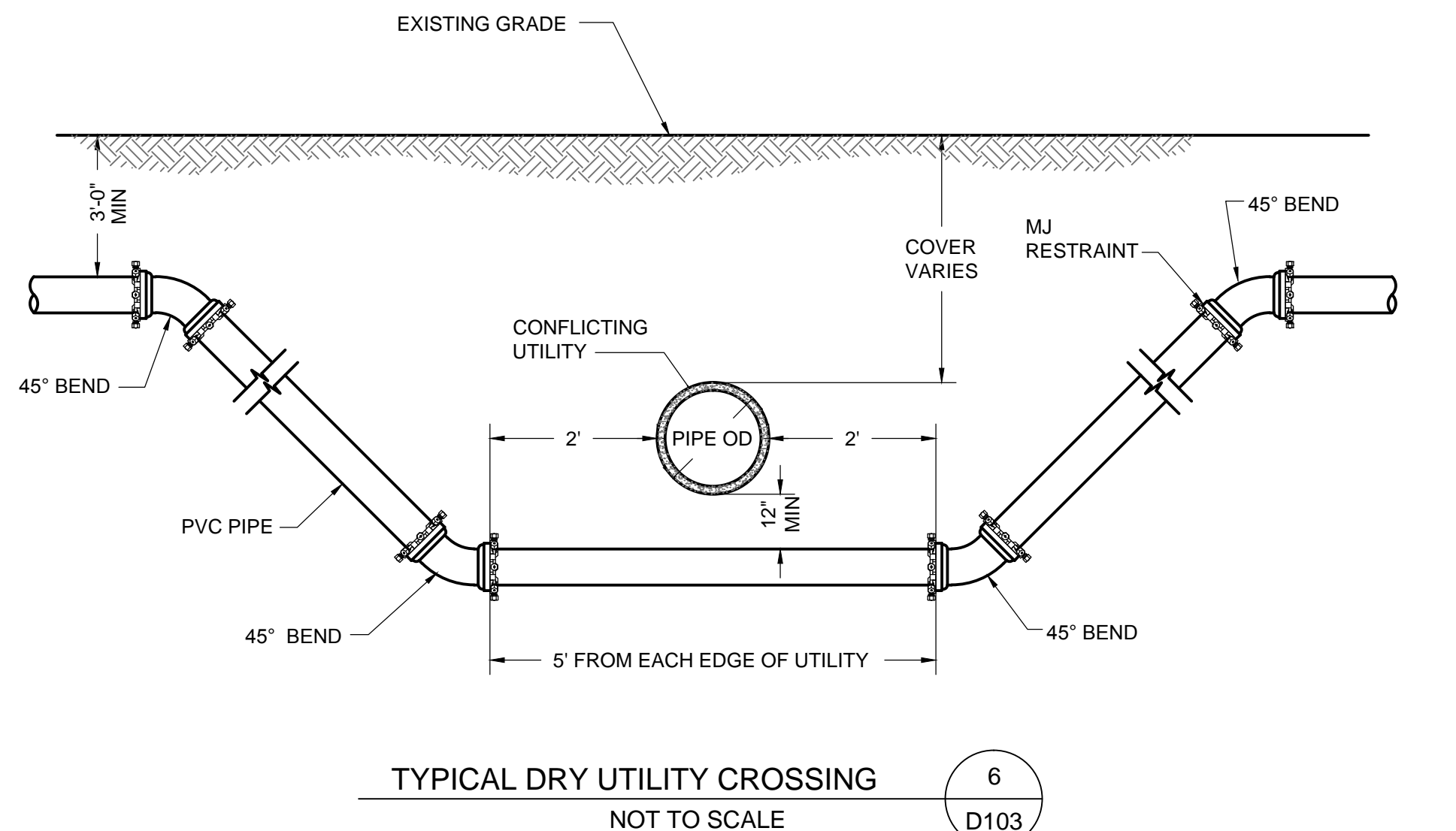
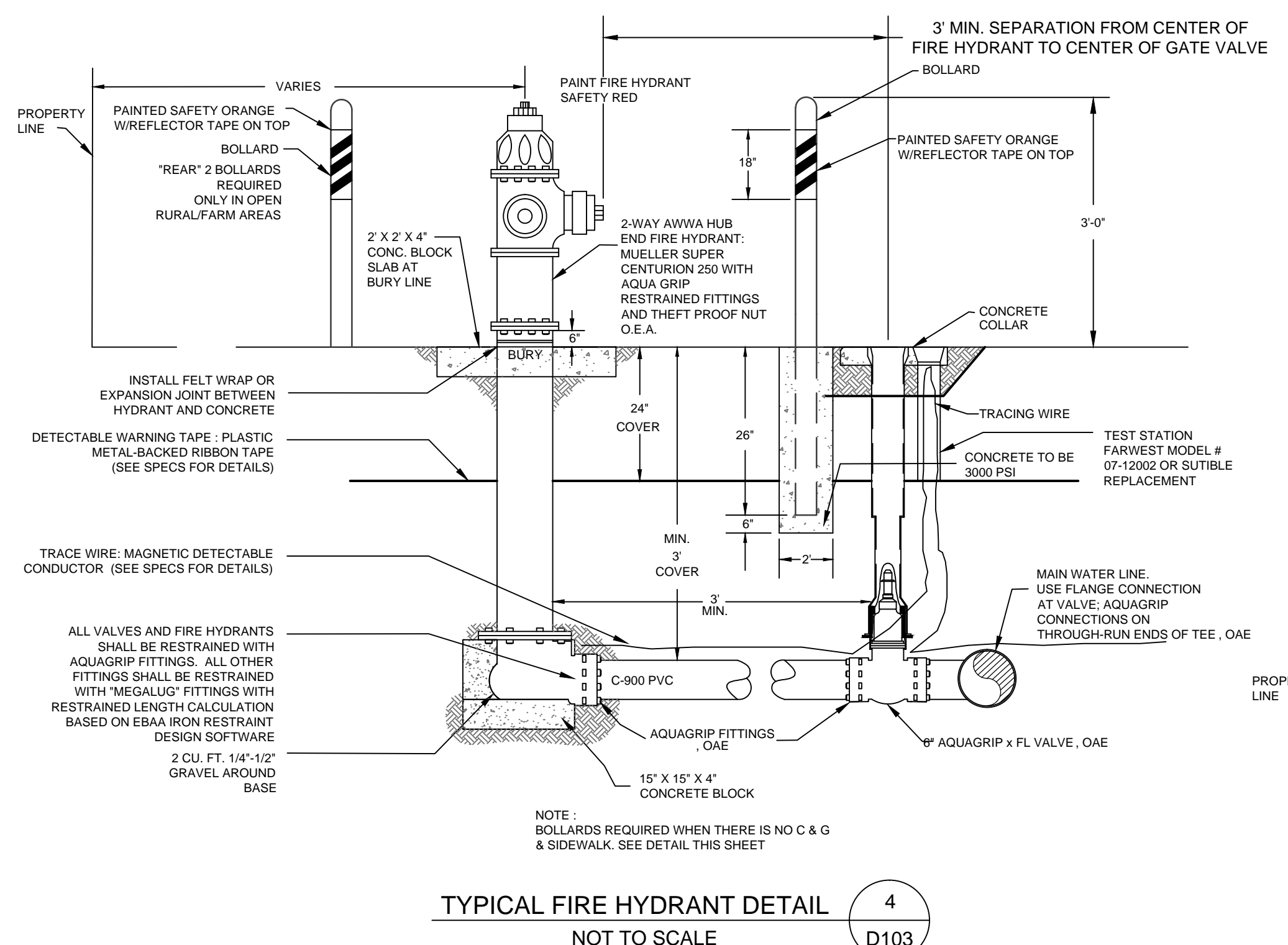
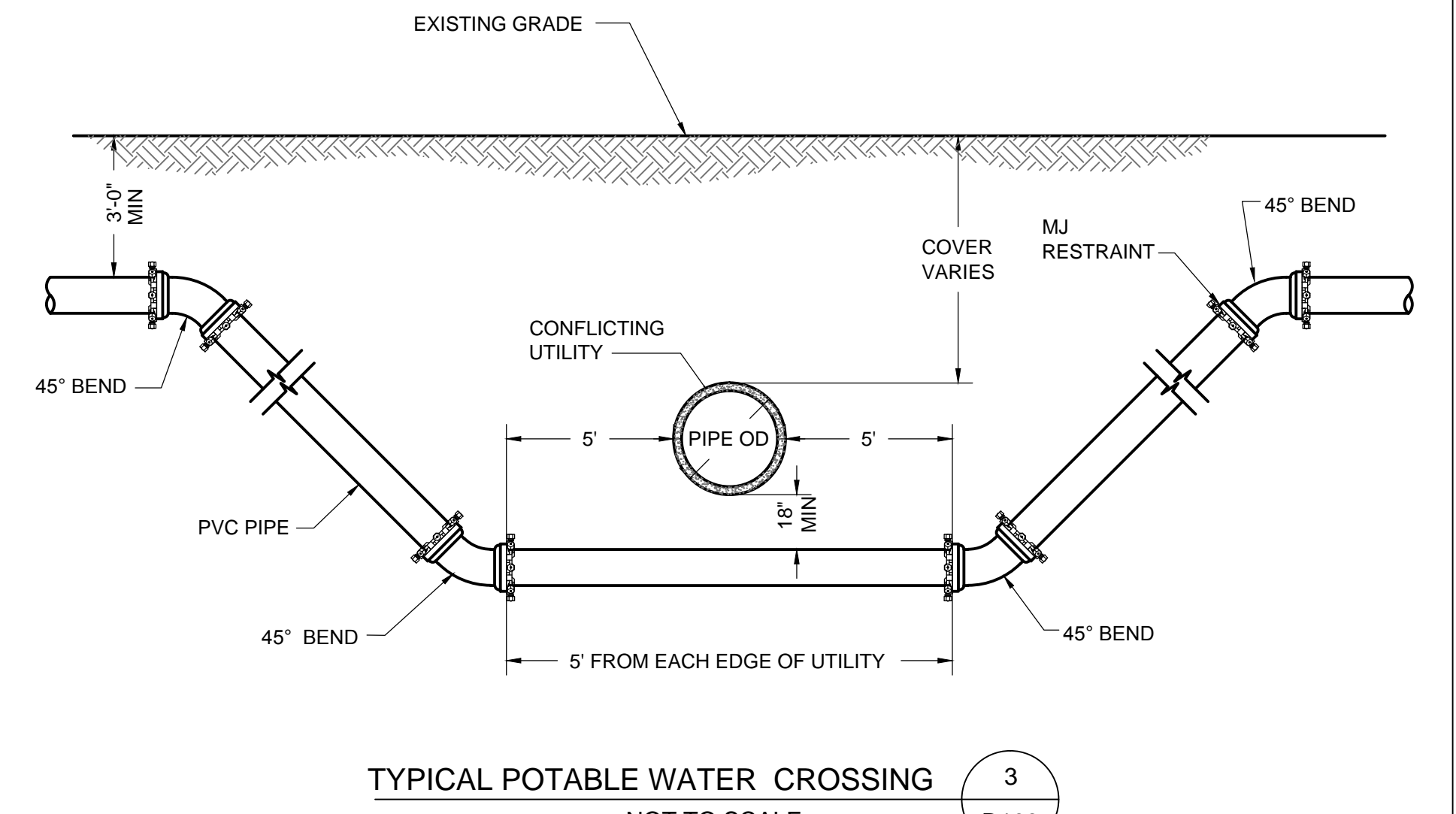
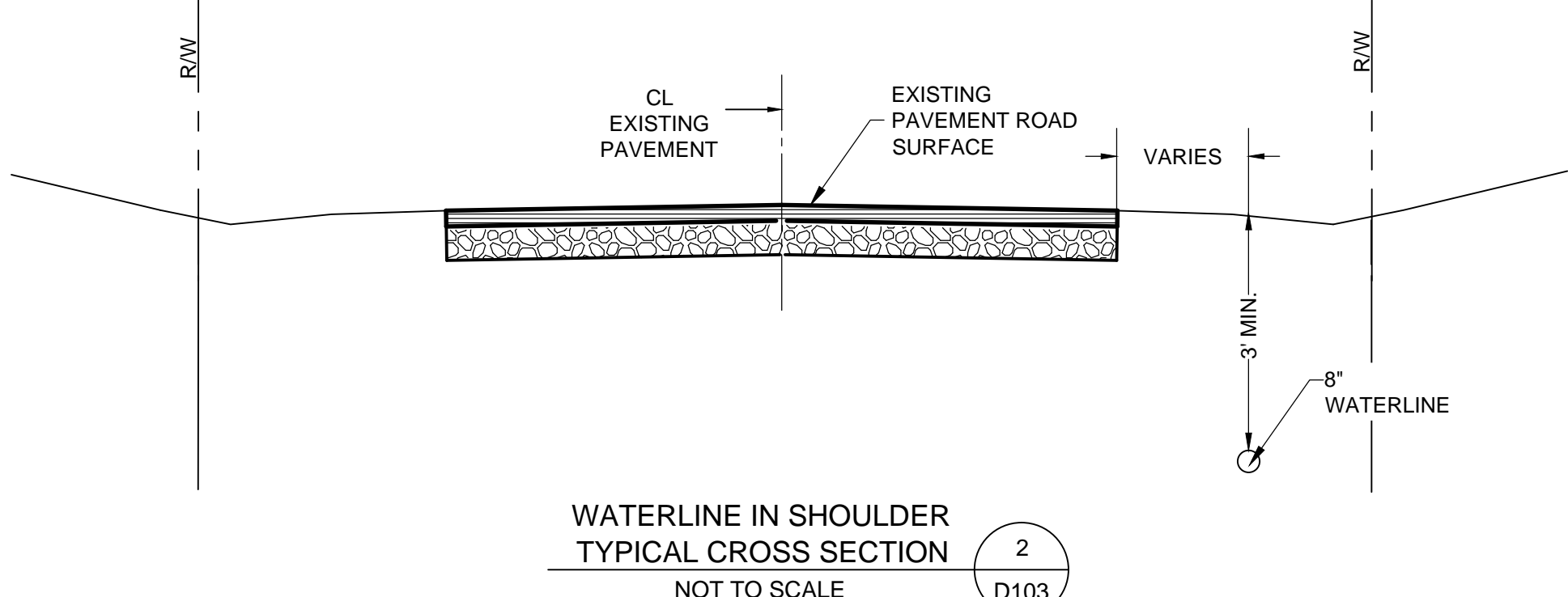
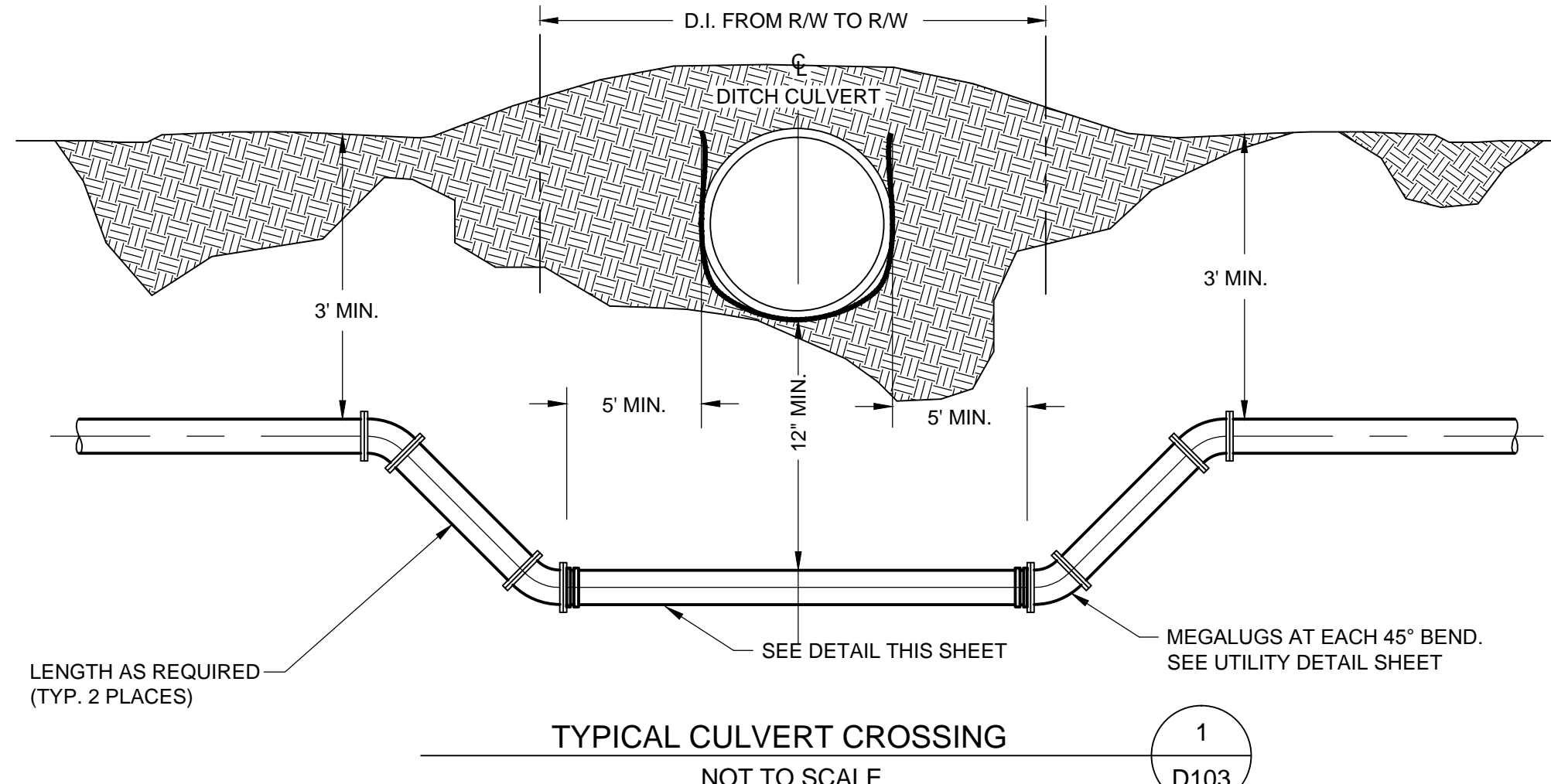


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*Valve Details*  
Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
D102





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**"NOTICE OF EXTENDED PAYMENT PROVISION;  
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 WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED  
 REQUEST FOR PAYMENT"**

Jul 15, 2013 4:23pm  
 P:\6-ALVSD\Revised Ph. A. WL. 2012 (6321934)\CAD\dwg\Record Drawing\6321934-D100-D105\_2012.dwg  
 6370643  
 09-15-2012

Revisions		Date	Drawn
By _____	Date: _____	SEPTEMBER 2012	JAD/ALS/AAF
By _____	Date: _____		JG/LJR
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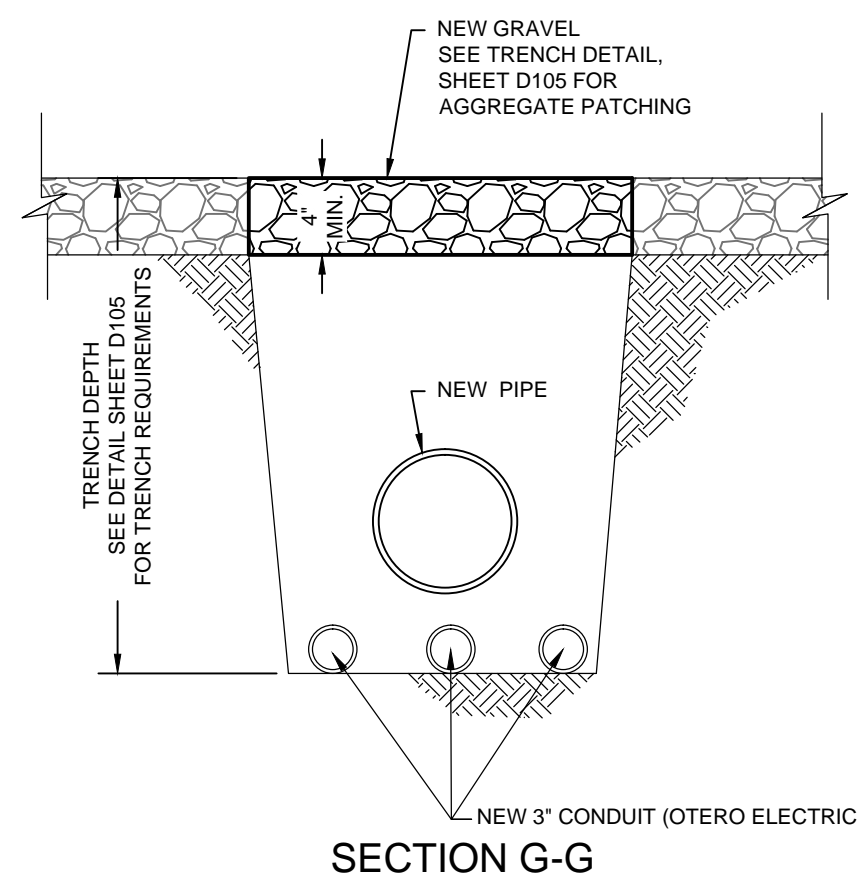


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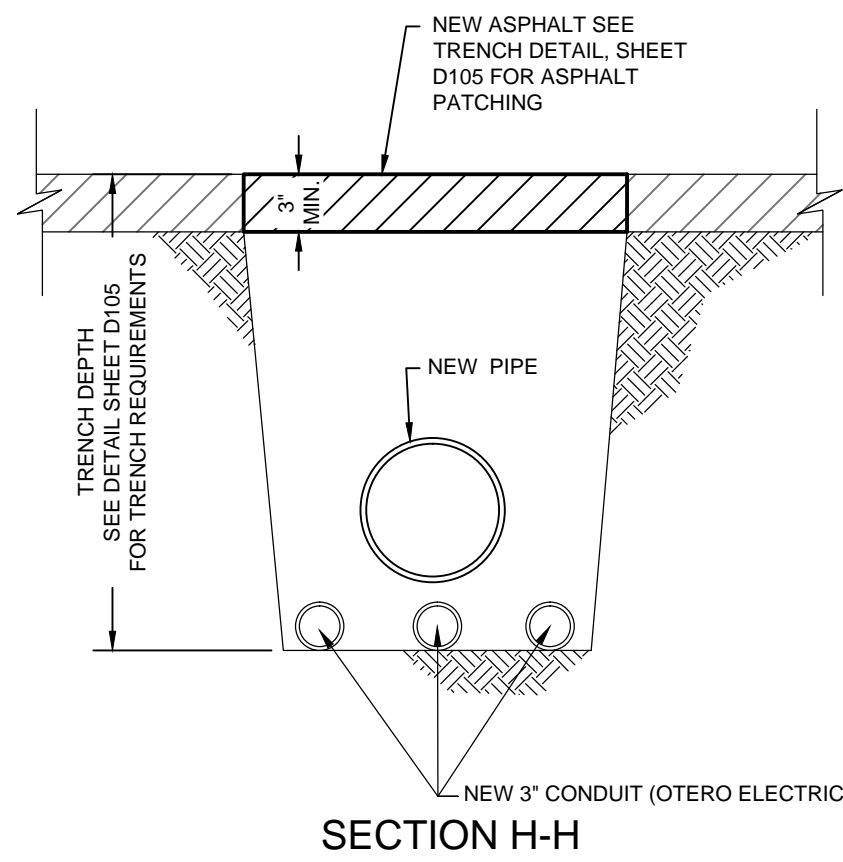
Crossing and Utility Details  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
 D103

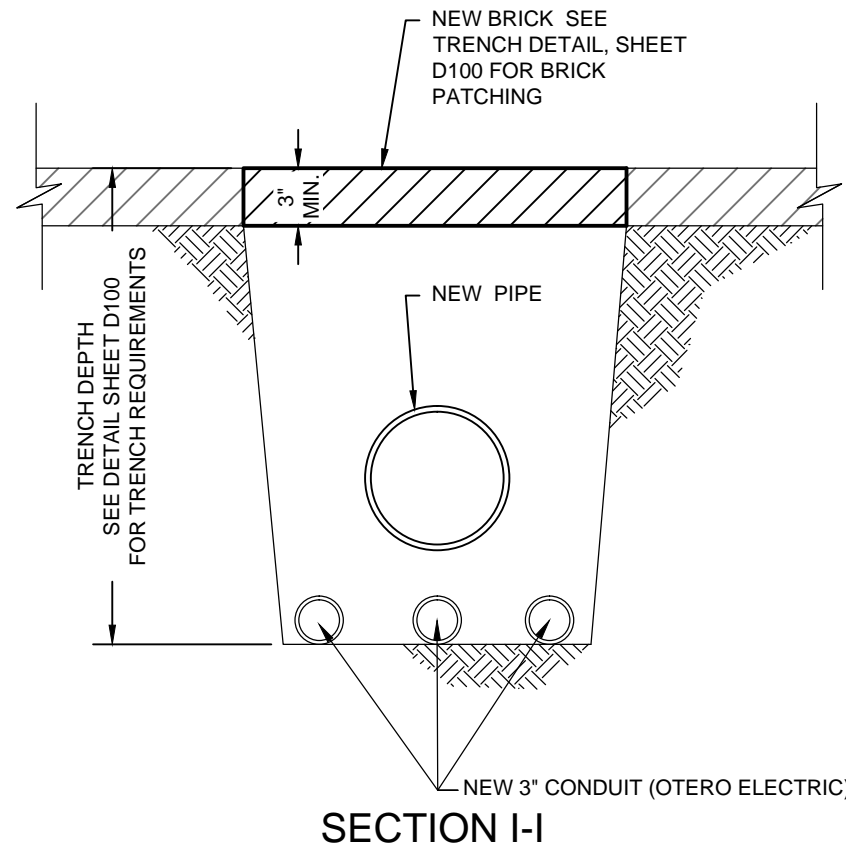




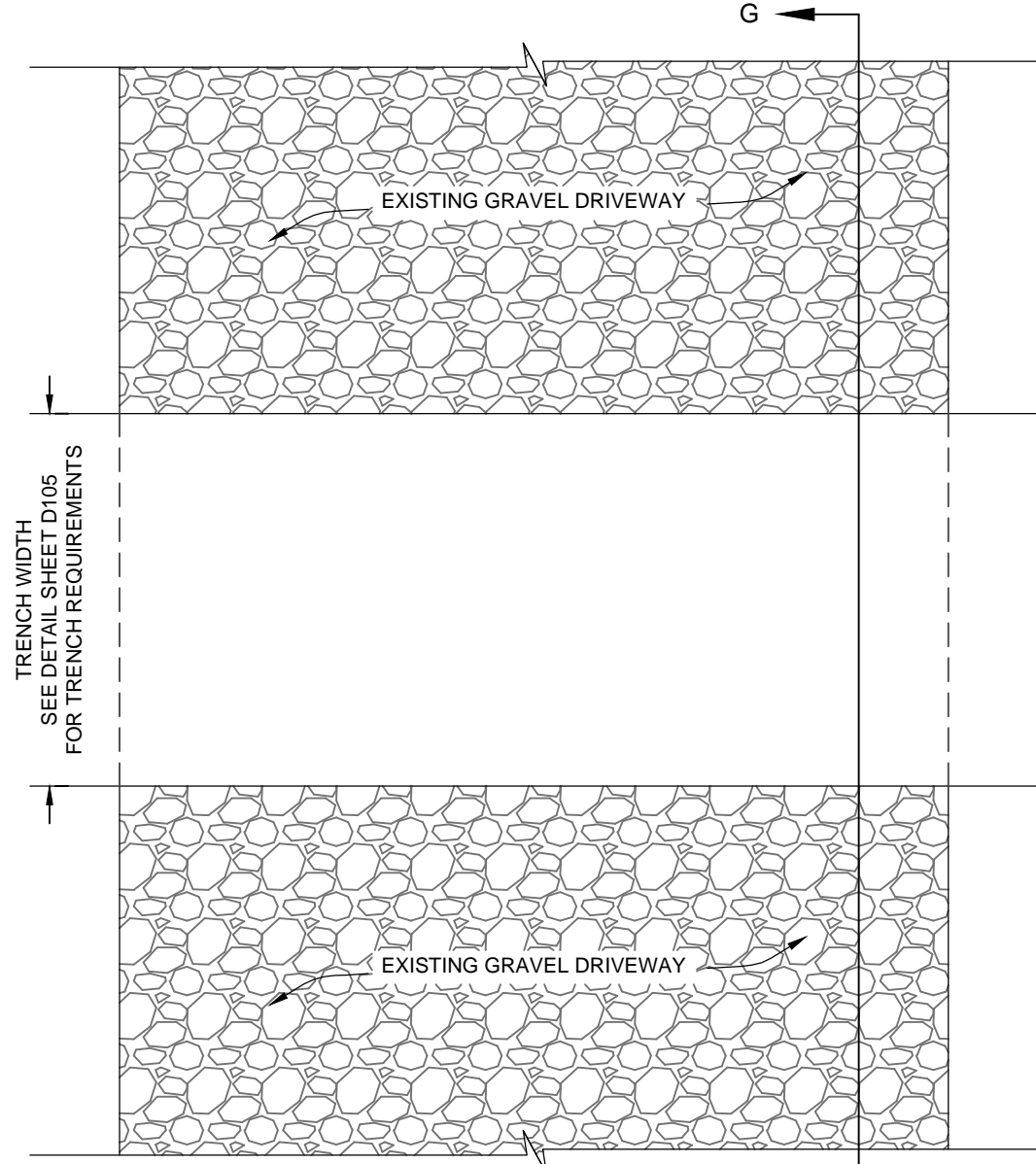
SECTION G-G



SECTION H-H



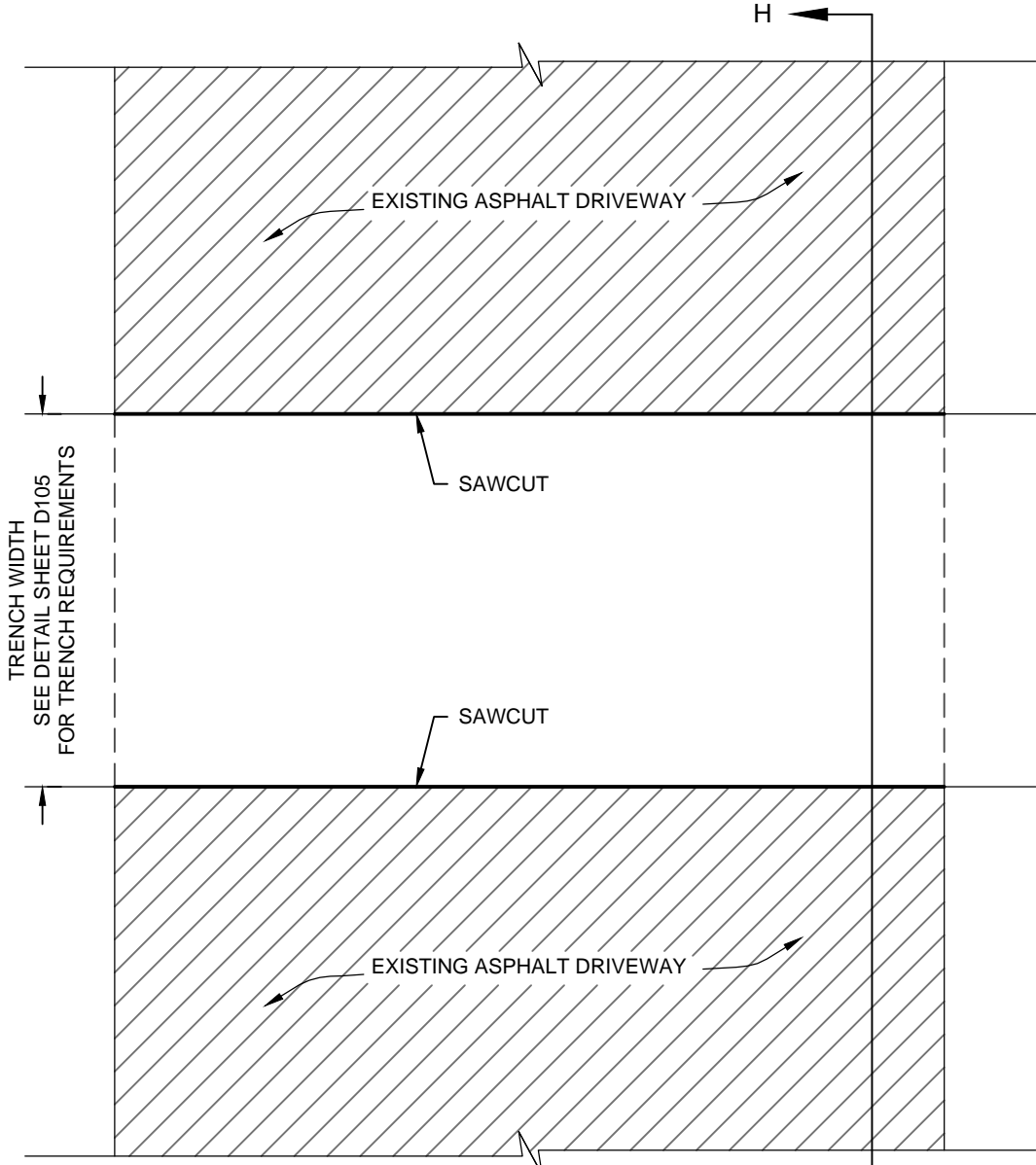
SECTION I-I



PLAN

GRAVEL DRIVEWAY TRENCH  
NOT TO SCALE

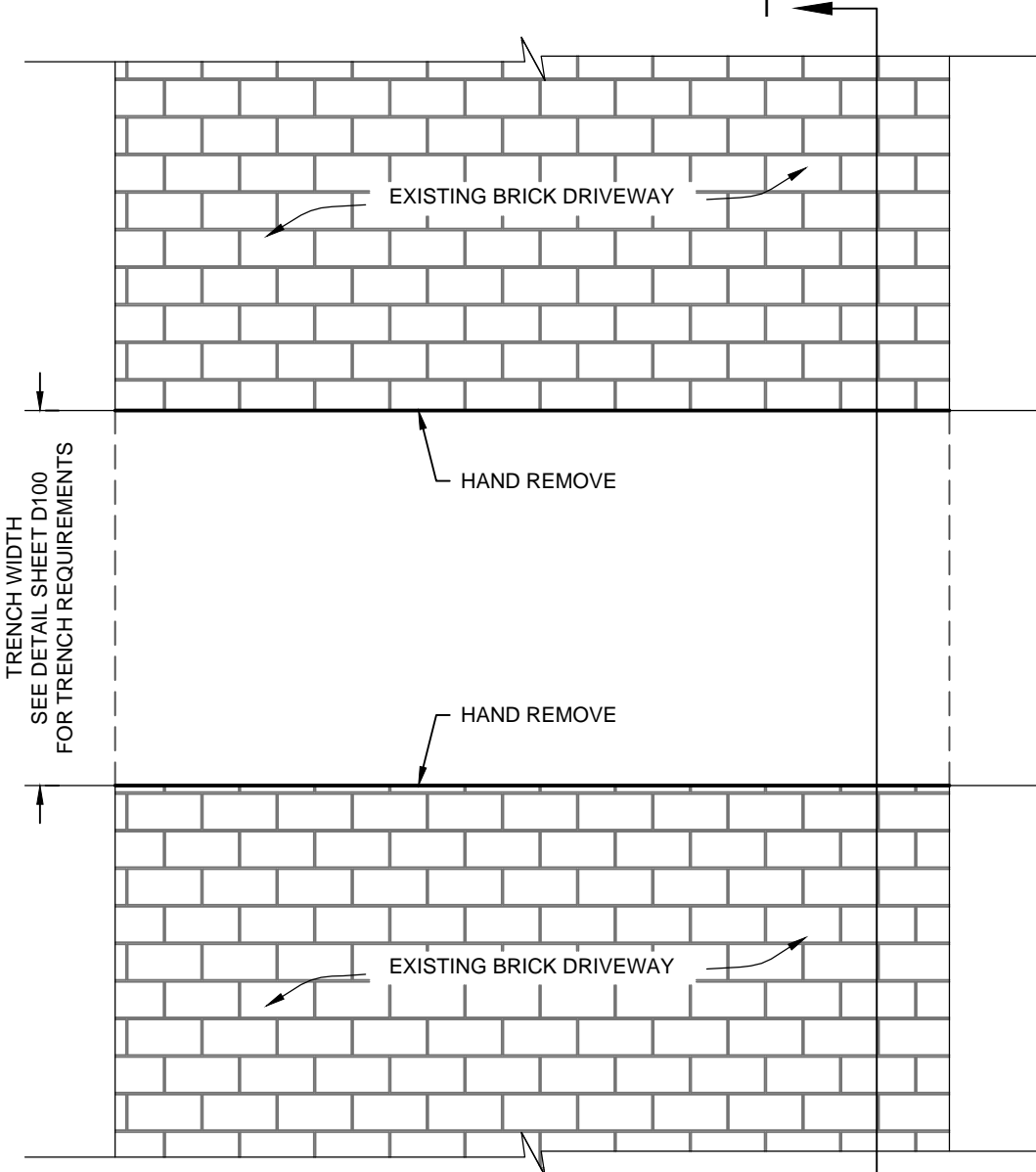
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D104



PLAN

ASPHALT DRIVEWAY TRENCH  
NOT TO SCALE

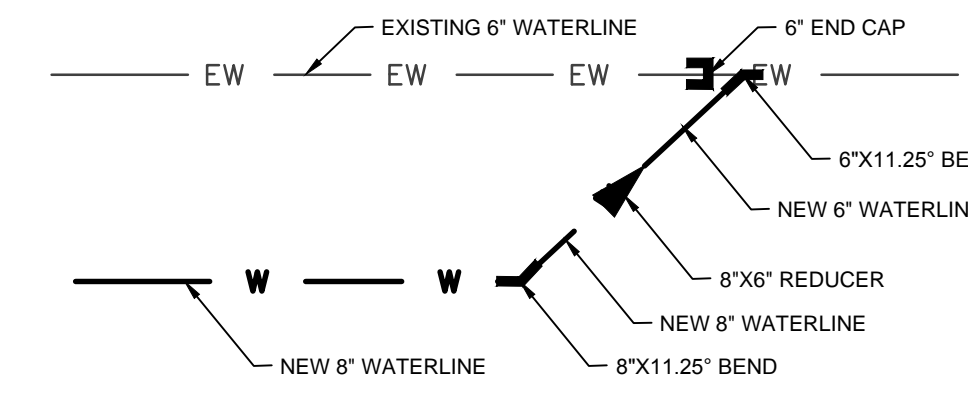
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D104



PLAN

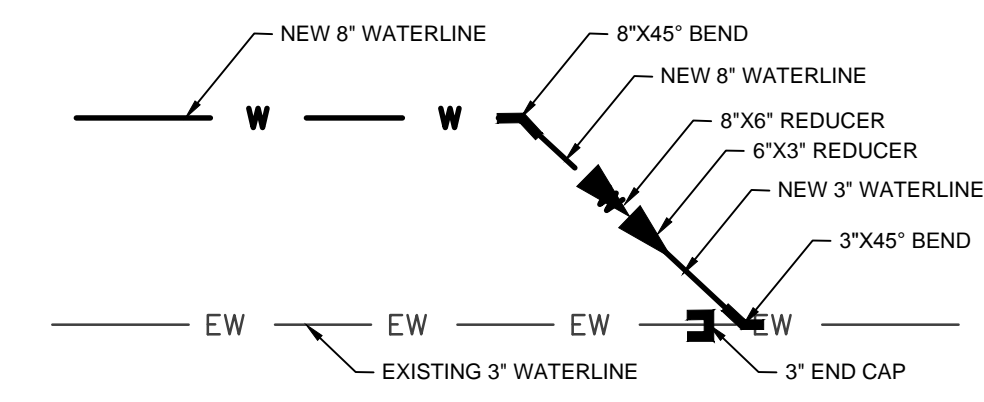
BRICK DRIVEWAY TRENCH  
NOT TO SCALE

3  
D104



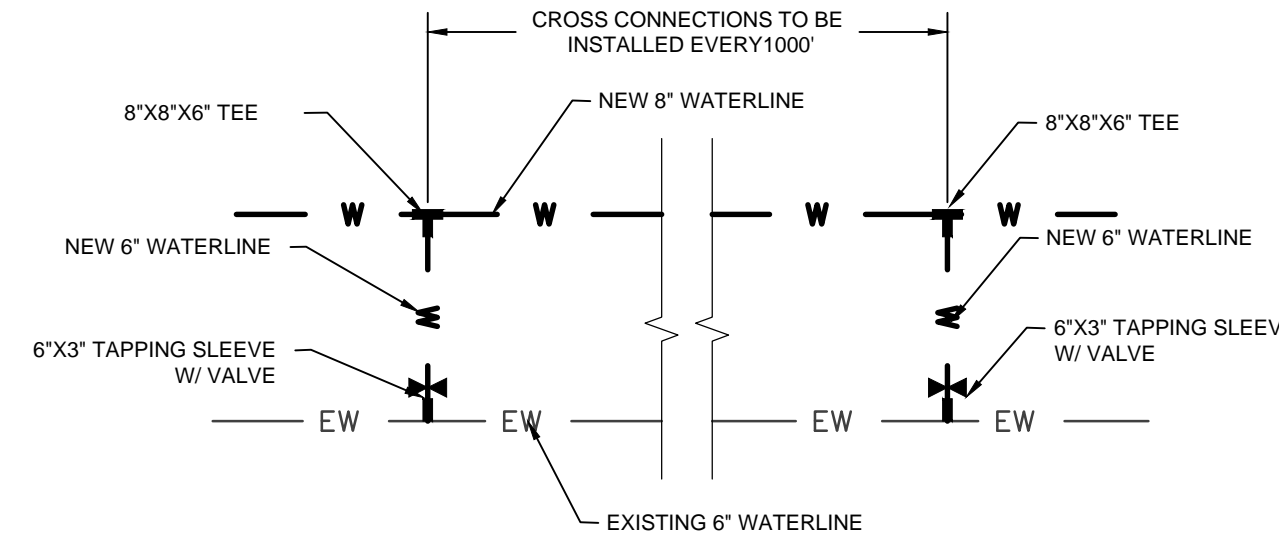
PLAN VIEW  
6\"/>

4  
D104



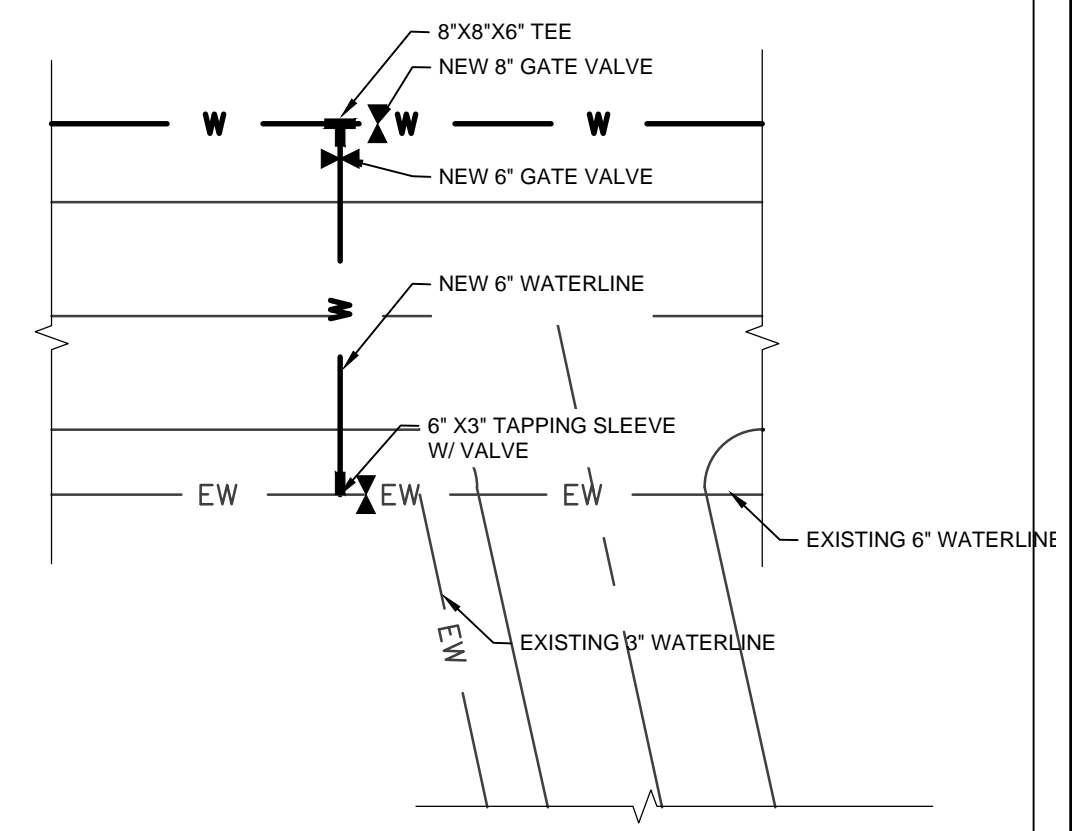
PLAN VIEW  
3\"/>

5  
D104



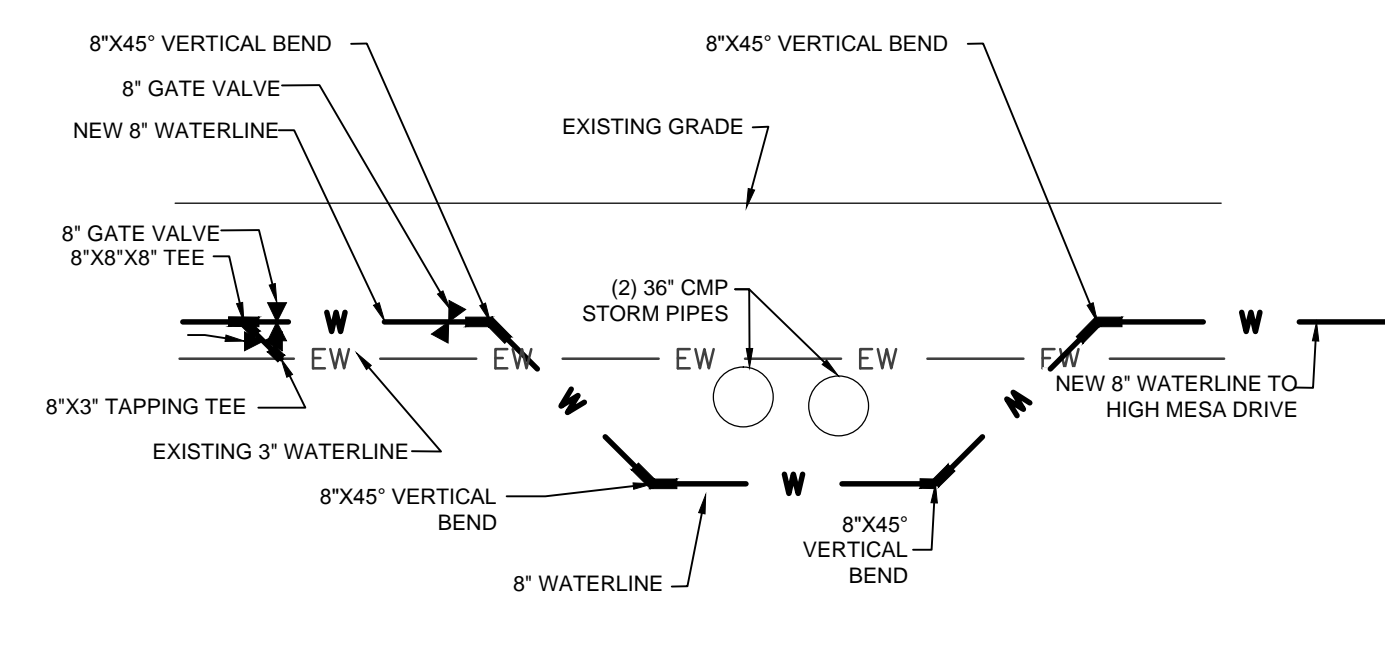
PLAN VIEW  
WATERLINE CROSS CONNECTION  
(FROM INCREDIBLE LANE TO END OF HIGH MESA ROAD)  
NOT TO SCALE

6  
D104



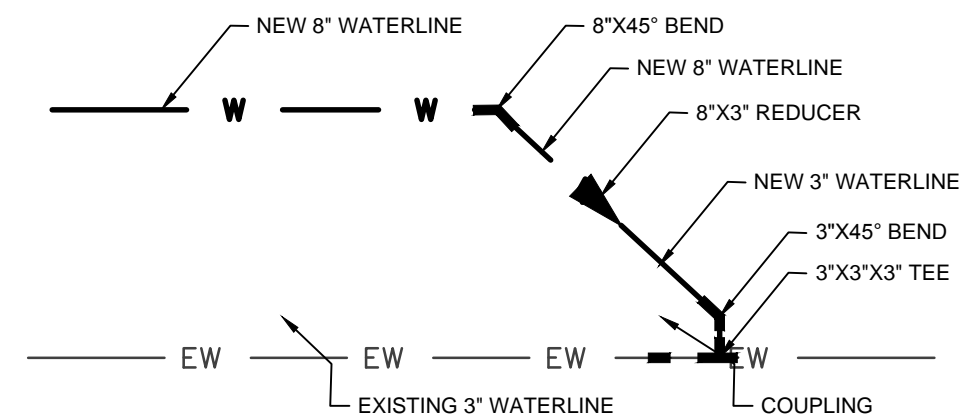
PLAN VIEW  
WATERLINE TIE IN CONNECTION  
(FRENCH DRIVE, COGGINS AND OTHER LOCATIONS)  
NOT TO SCALE

7  
D104



PROFILE VIEW  
WATERLINE TIE IN CONNECTION  
(HIGH MESA DRIVE AND MULLIGAN DRIVE)  
NOT TO SCALE

8  
D104



PLAN VIEW  
3\"/>

9  
D104

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**"NOTICE OF EXTENDED PAYMENT PROVISION;  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT  
WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED  
REQUEST FOR PAYMENT"**

Jul 15, 2013 4:23pm P:\6-AL\WSD\_08-15-2012 (6321934)\CAD\dwg\Record\_Drawing\6321934-D100-D105-2012.dwg

Revisions	
By	Date

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Date	SEPTEMBER 2012	Drawn	JAD/ALS/AAF
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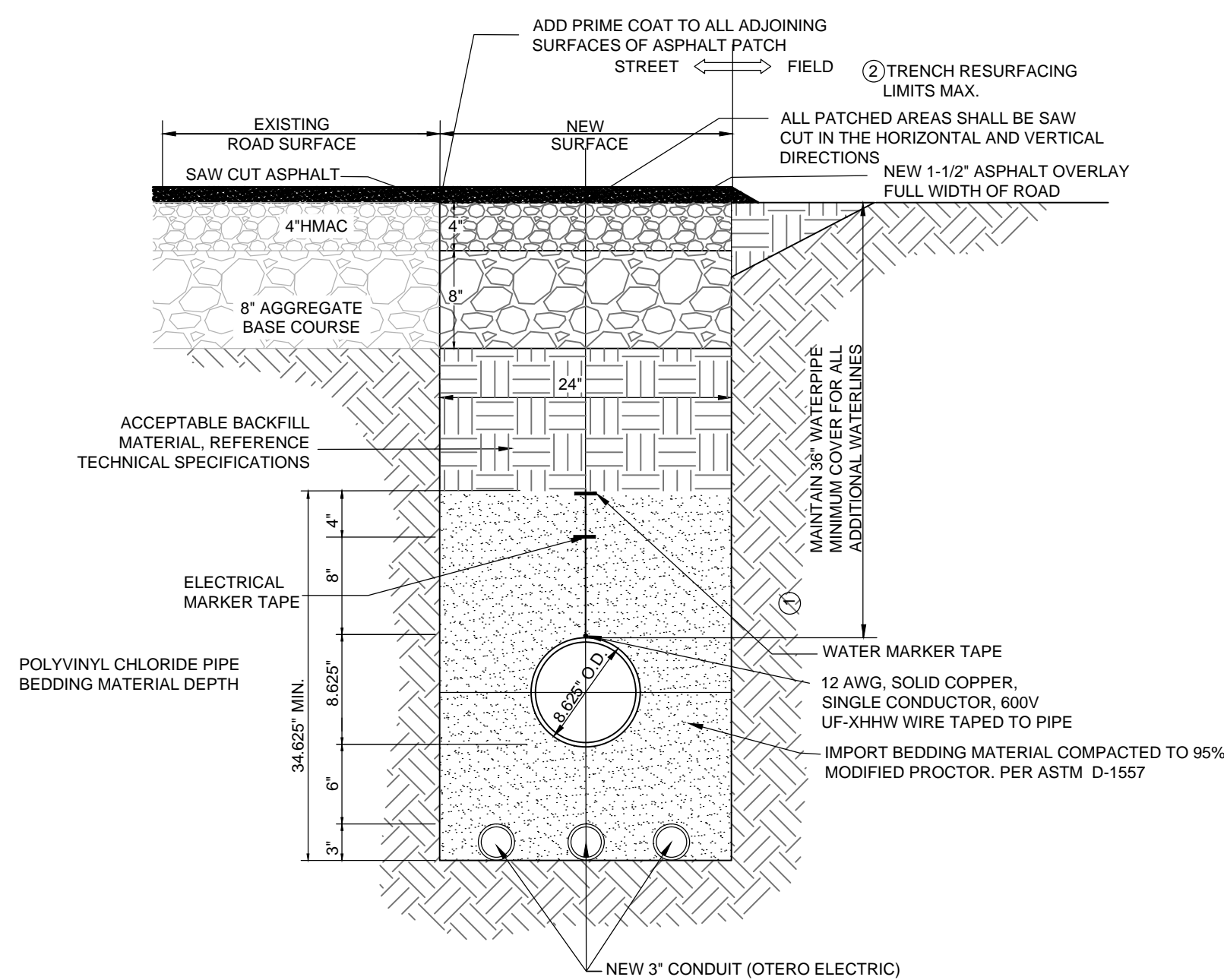
Driveway Crossing Details  
Alto Lakes W&SD  
Lincoln County, New Mexico

Sheet  
D104



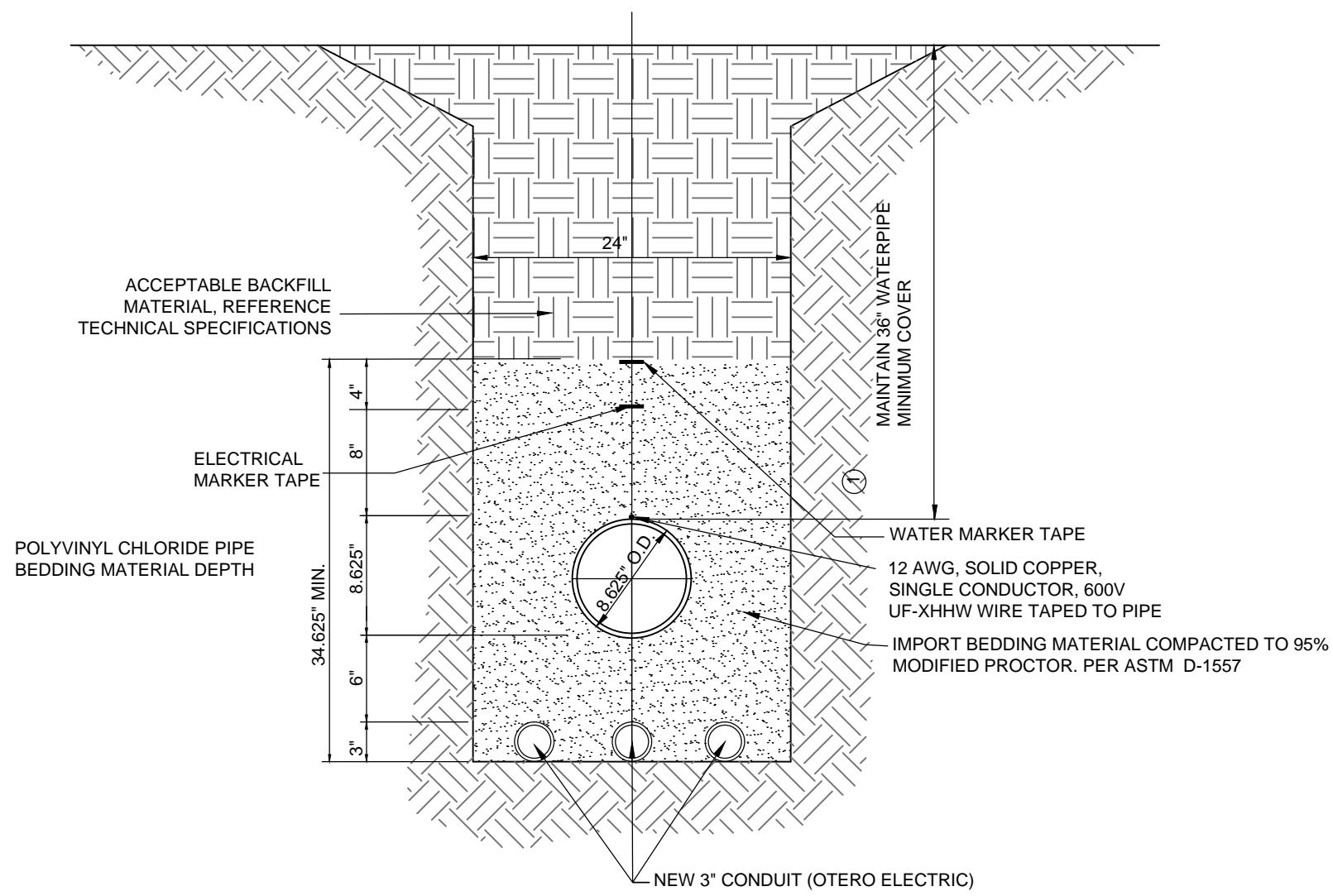
ASPHALT OVERLAY LOCATIONS

ROAD	BEGIN STATION	END STATION
WEST HIGH MESA ROAD	3+21	50+83
EAST HIGH MESA ROAD	0+25	58+56
FRENCH DRIVE	0+00	22+36
DEER PARK DRIVE	0+00	89+05



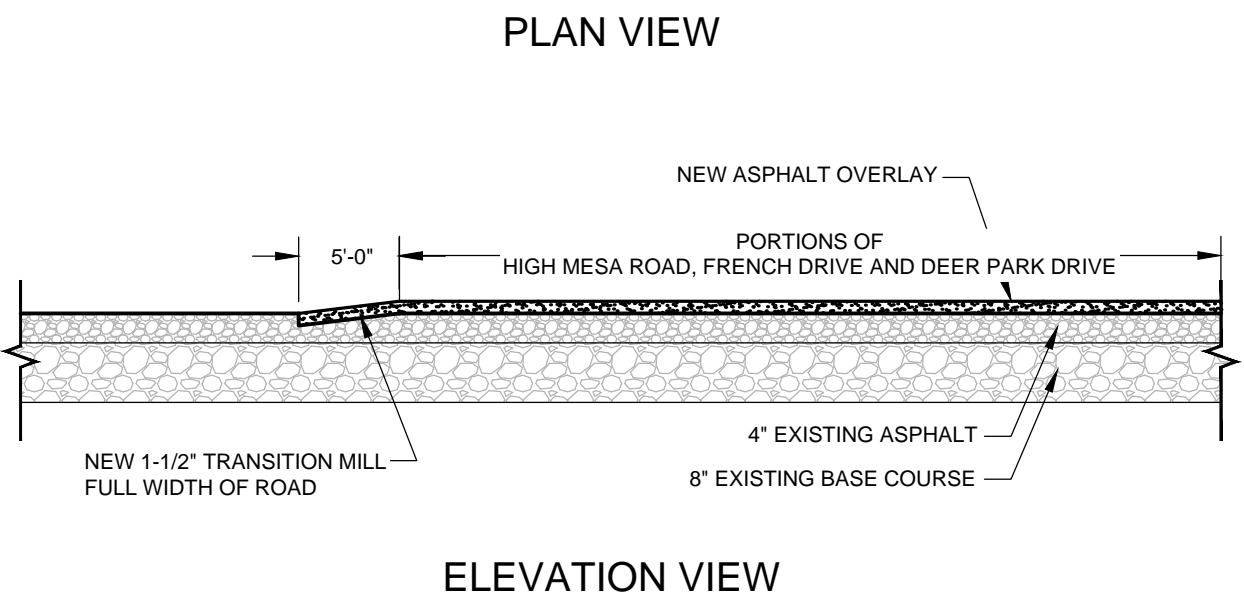
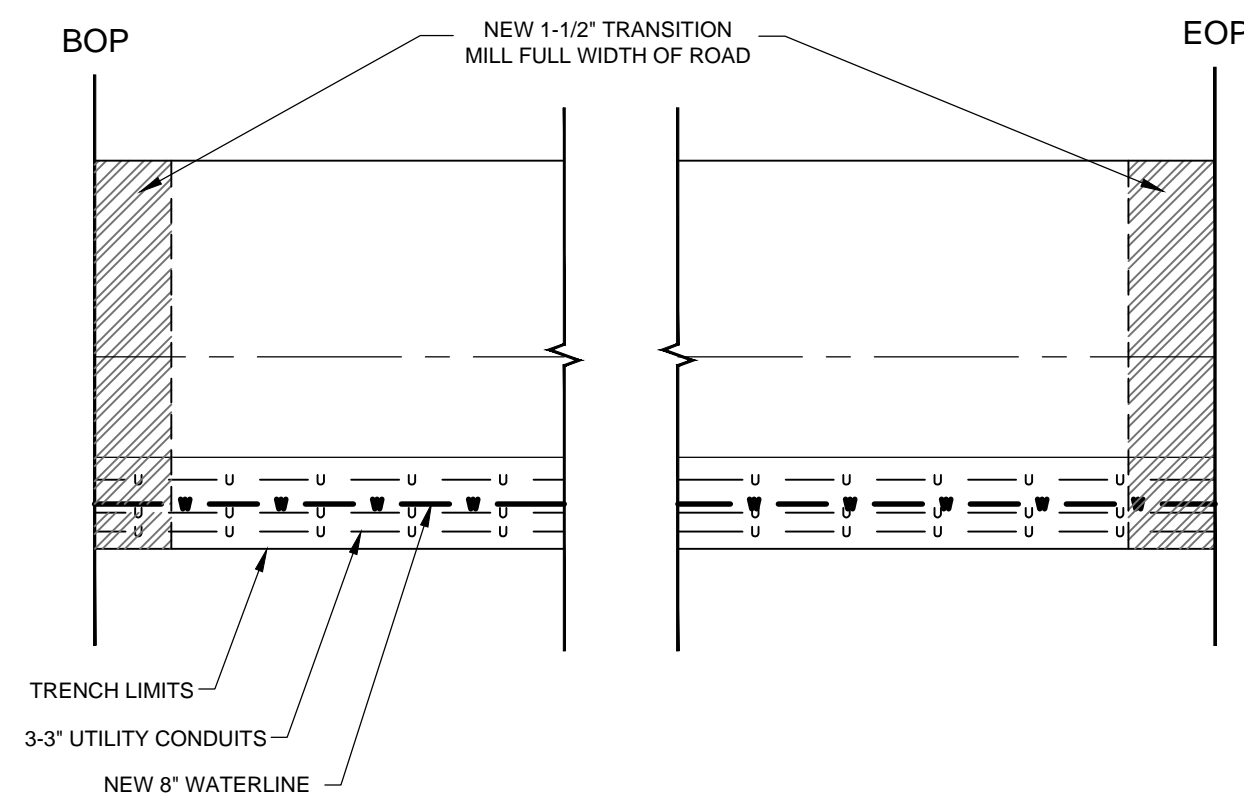
- NOTES:
- MINIMUM COVER DEPTH BELOW OFFICIAL STREET GRADE.
  - TRENCH TO BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND THE PROTECTION OF OTHER UTILITIES.
  - ALL ASPHALT REPLACEMENT SHALL MATCH EXISTING PROFILE.
  - ALL CONSTRUCTION WITHIN LINCOLN COUNTY R-O-W MUST MEET LINCOLN COUNTY ROAD STANDARDS TO INCLUDE STRICT ADHERENCE TO LINCOLN COUNTY ORDINANCE #2003-01.
  - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL ASPHALT AND STRIPING NEEDED TO PATCH THE DISTURBED AREAS. THE WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO MEASUREMENT OR PAYMENT SHALL BE MADE. THE CONTRACTOR SHALL SUBMIT PATCHING METHODS TO THE PROJECT MANAGER FOR APPROVAL BEFORE DIGGING.
  - ALL ROADWAY CONSTRUCTION WITHIN LINCOLN COUNTY R-O-W SHALL MEET LINCOLN COUNTY ROADWAY STANDARDS.
  - MAXIMUM LOOSE LIFT BACKFILL WILL BE 8".

TRENCH LIMITS FOR MULTI-UTILITY INSTALLATION, BEDDING & BACKFILL LIMITS - ROADWAY  
NOT TO SCALE  
1  
D105

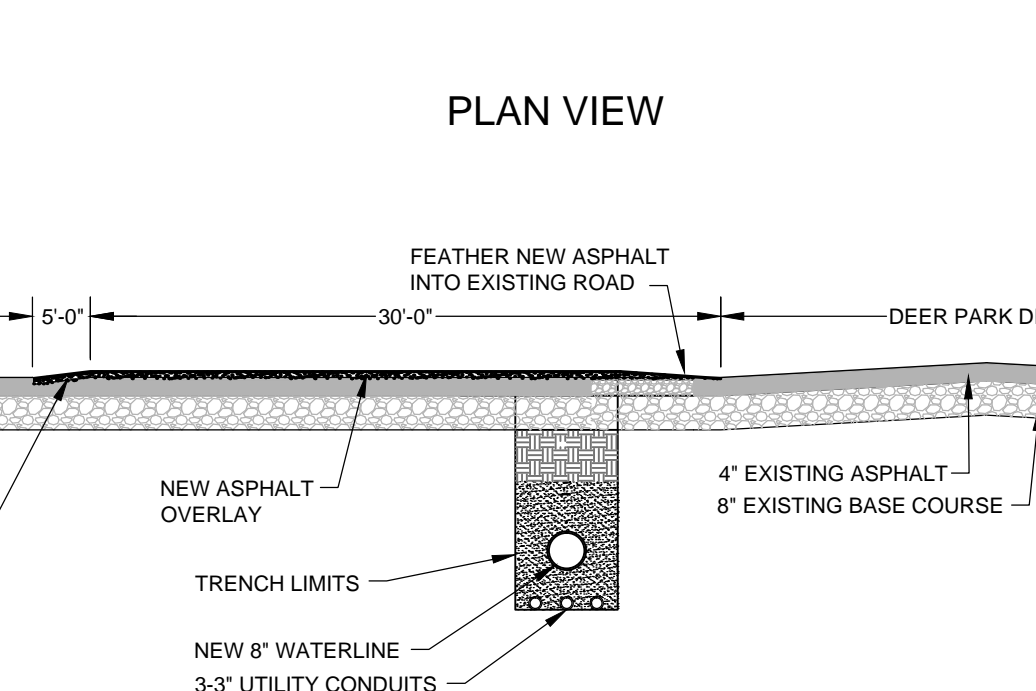
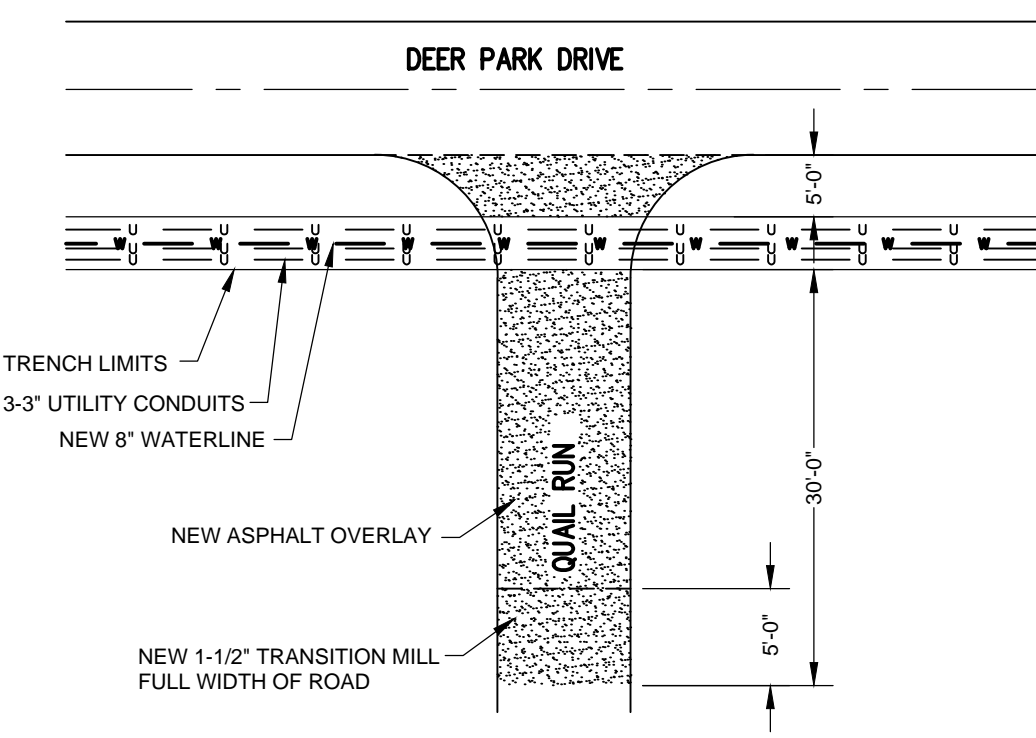


- NOTES:
- TRENCH TO BE BRACED OR SHEETED AS NECESSARY FOR THE SAFETY OF THE WORKMEN AND THE PROTECTION OF OTHER UTILITIES.
  - ALL CONSTRUCTION WITHIN LINCOLN COUNTY R-O-W MUST MEET LINCOLN COUNTY ROAD STANDARDS TO INCLUDE STRICT ADHERENCE TO LINCOLN COUNTY ORDINANCE #2003-01.
  - MAXIMUM LOOSE LIFT BACKFILL WILL BE 8".

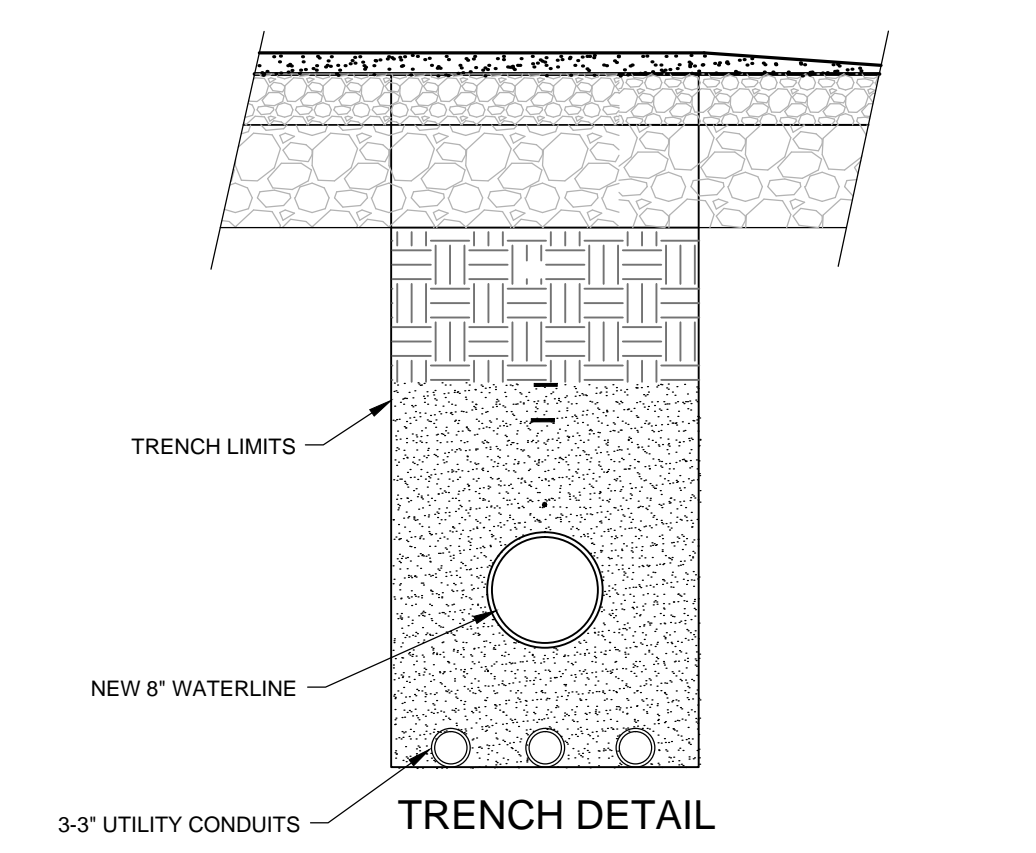
TRENCH LIMITS FOR MULTI-UTILITY INSTALLATION, BEDDING & BACKFILL LIMITS - IN SHOULDER  
NOT TO SCALE  
2  
D105



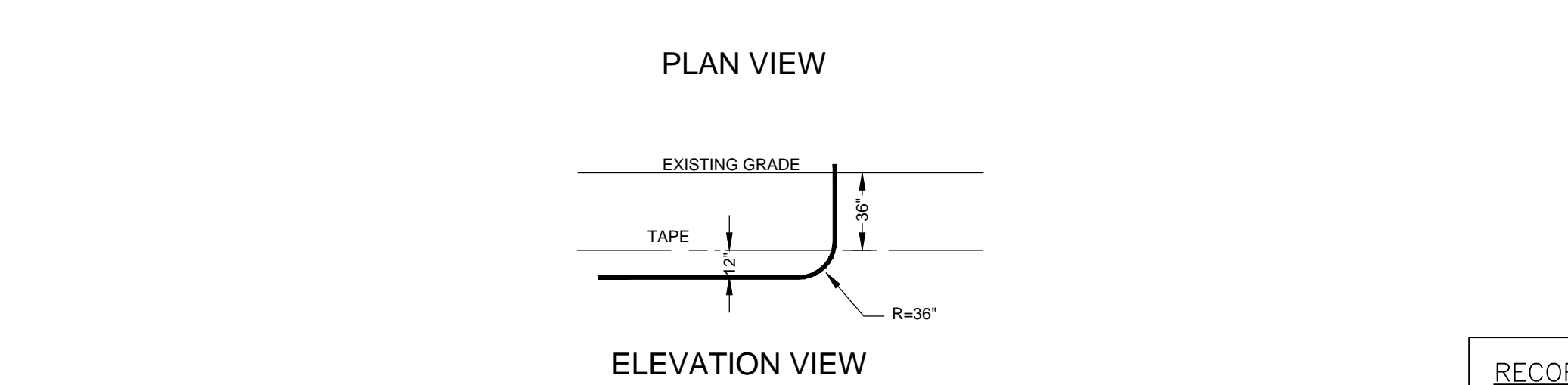
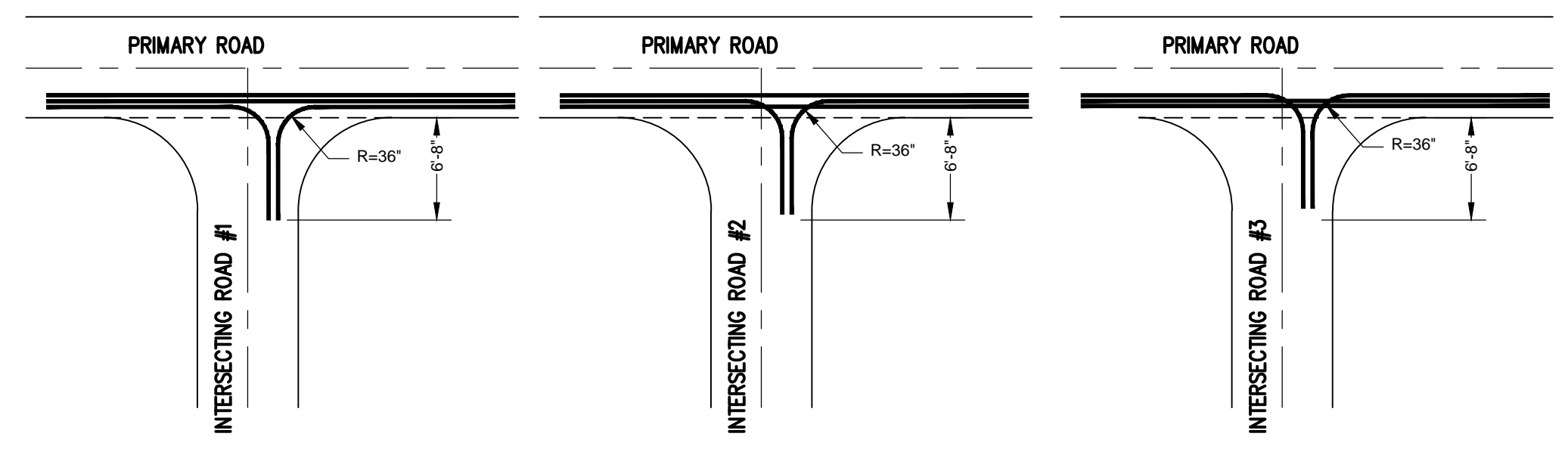
ASPHALT OVERLAY DETAIL  
NOT TO SCALE  
3  
D105



ASPHALT OVERLAY AT QUAIL RUN ON DEER PARK DRIVE  
NOT TO SCALE  
5  
D105



TRENCH DETAIL  
NOT TO SCALE  
5  
D105



OTERO COUNTY ELECTRIC CO-OP SWEEPS TO TRANSFORMER / JUNCTION BOX  
NOT TO SCALE  
4  
D105

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"NOTICE OF EXTENDED PAYMENT PROVISION;  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT"

Jul 15, 2013 4:23pm  
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 6321934-09-15-2012  
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Revisions		Date	Drawn	Checked
By: _____	Date: _____	SEPTEMBER 2012	JAD/ALS/AAF	JG/LJR
By: _____	Date: _____	AS SHOWN	ELK	ELK

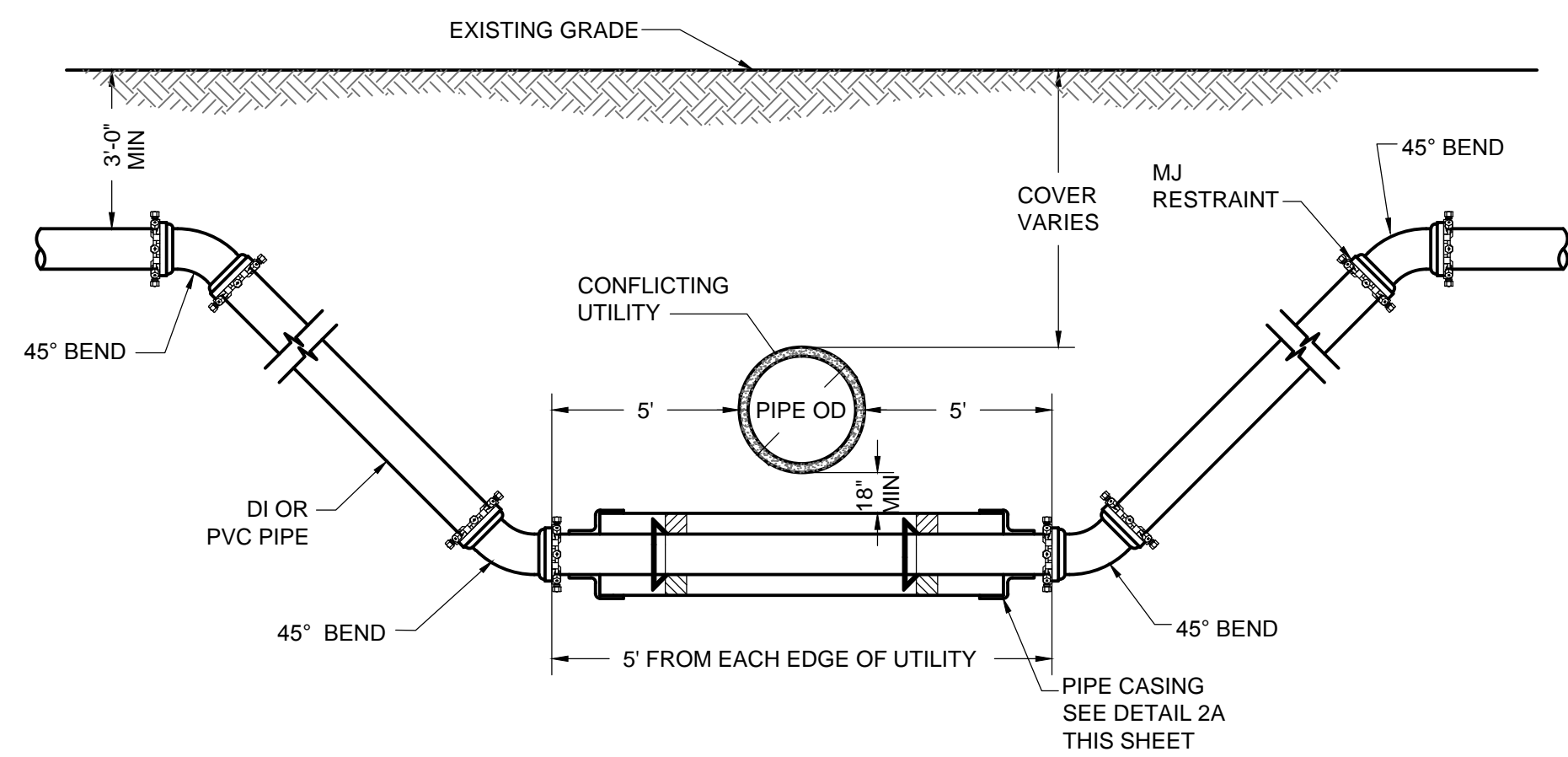


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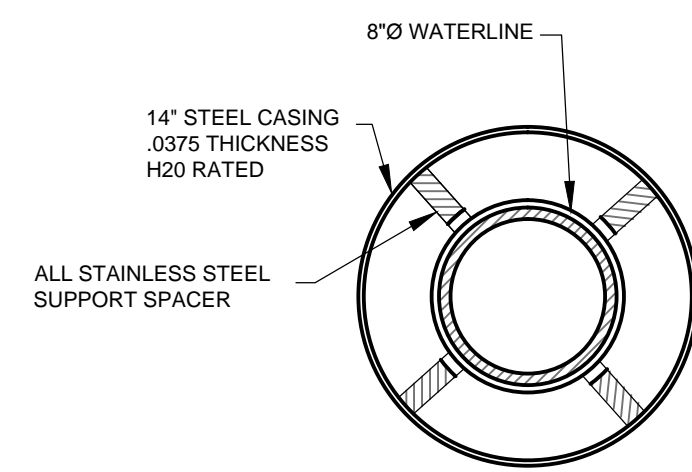
Sheet  
D105





TYPICAL WET UTILITY CROSSING WITH CASING  
NOT TO SCALE

1  
D106



NOTE: STAINLESS STEEL SUPPORT SPACERS IN ACCORDANCE WITH MANUFACTURERS INSTALLATION REQUIREMENTS FOR NUMBER AND LOCATION

TYPICAL WATERLINE CASING  
NOT TO SCALE

1A  
D106

RECORD DRAWING  
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REQUEST FOR PAYMENT"**

Jul 15, 2013 4:24pm  
 P:\6-AL\WSD Revised Ph. A. WL. 2012 (6321934)\CAD.dwg Record Drawing (6321934-D100-D105 2012.dwg)

Revisions	
By _____	Date: _____
By _____	Date: _____
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		Approved	ELK



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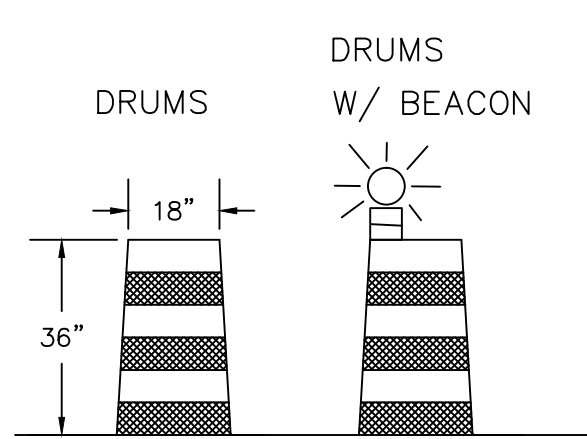
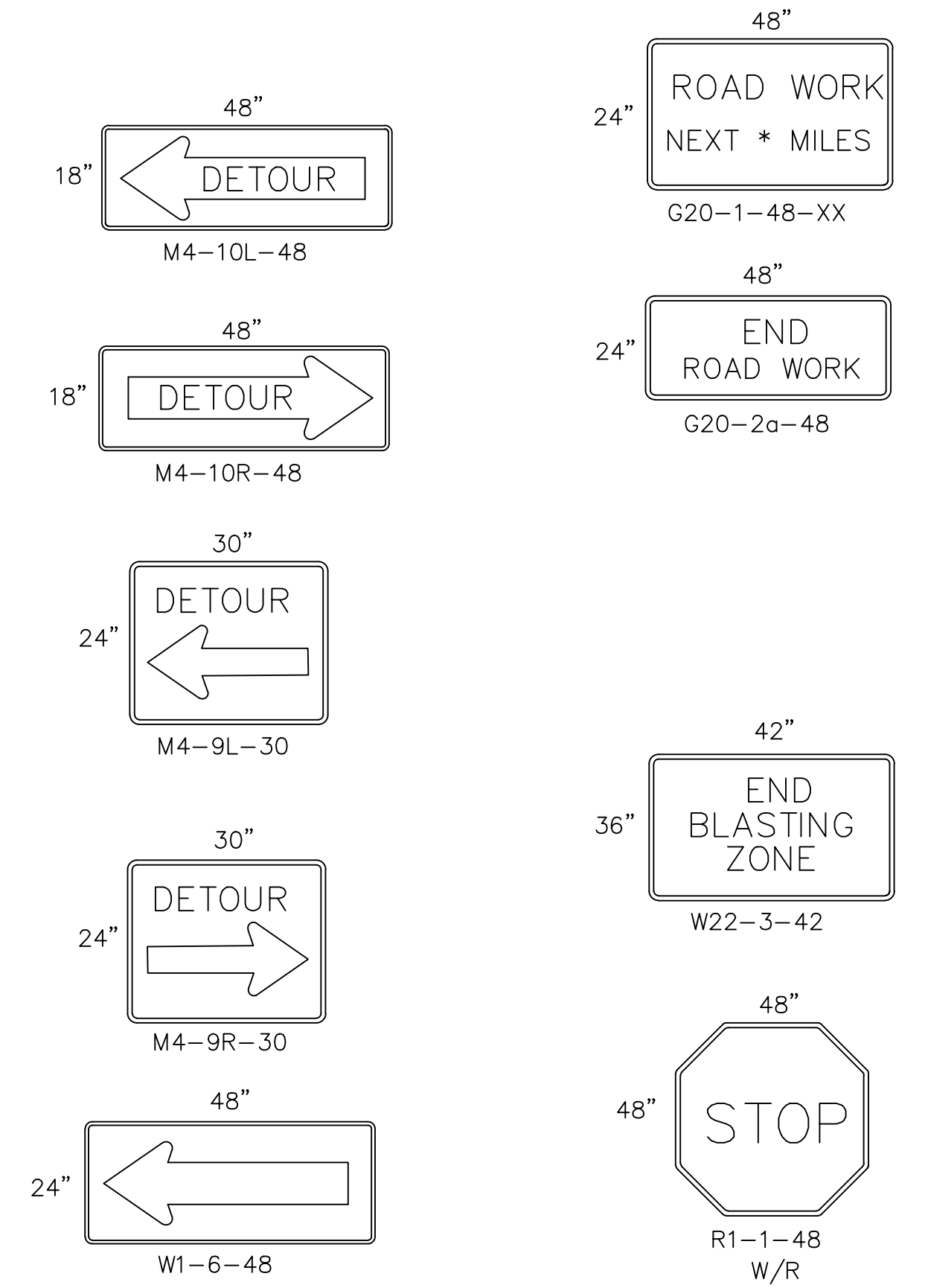
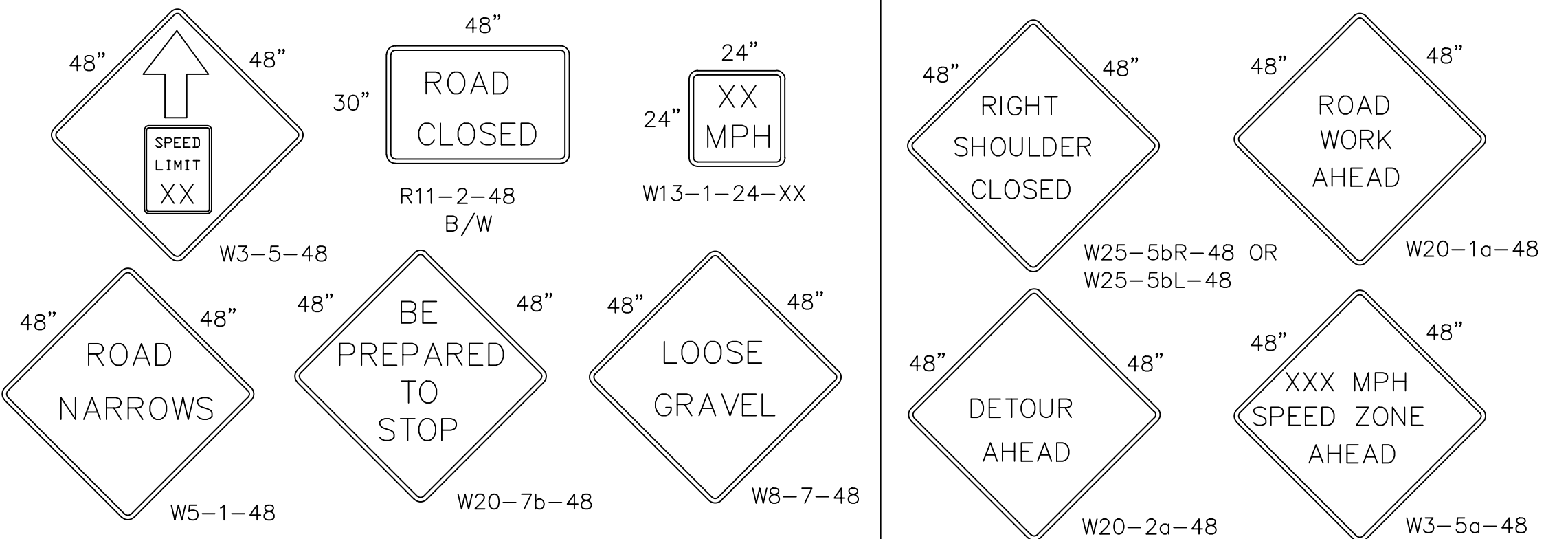
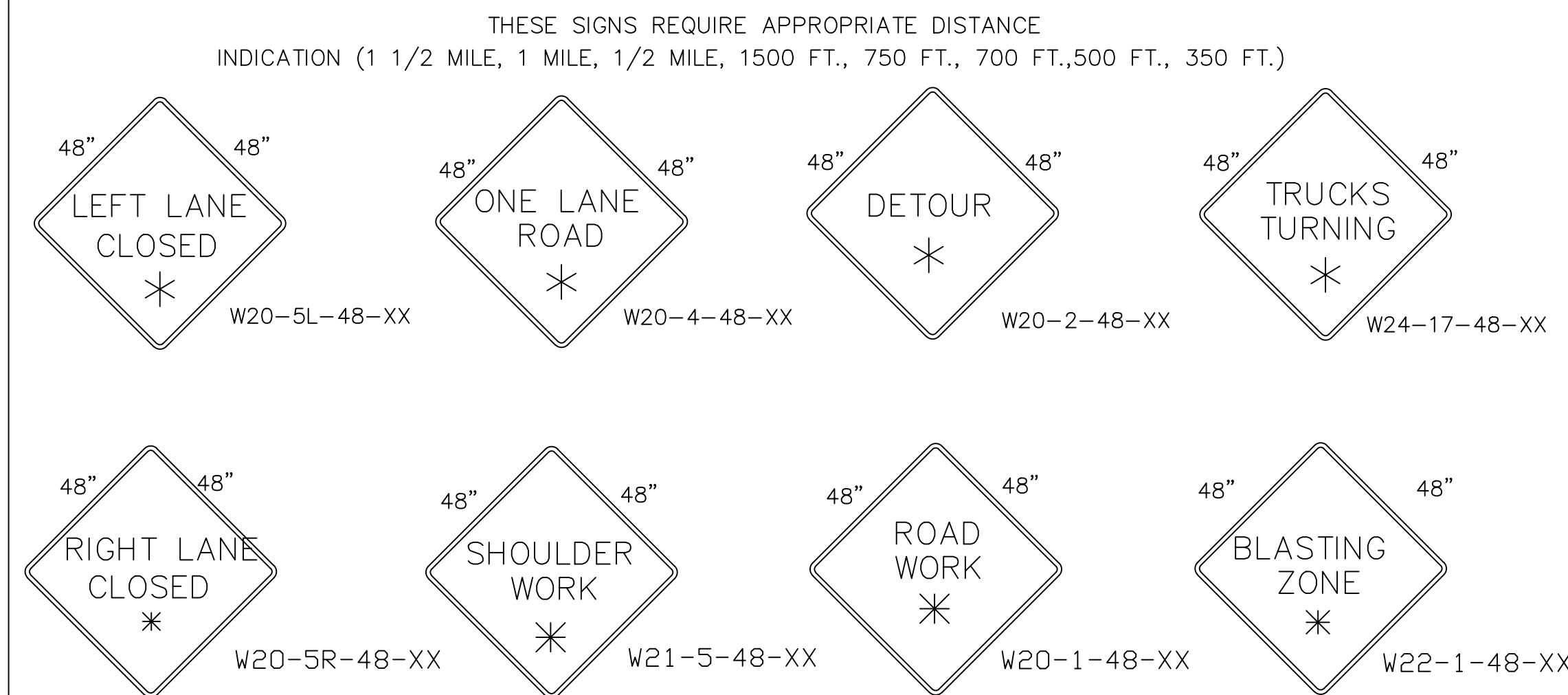
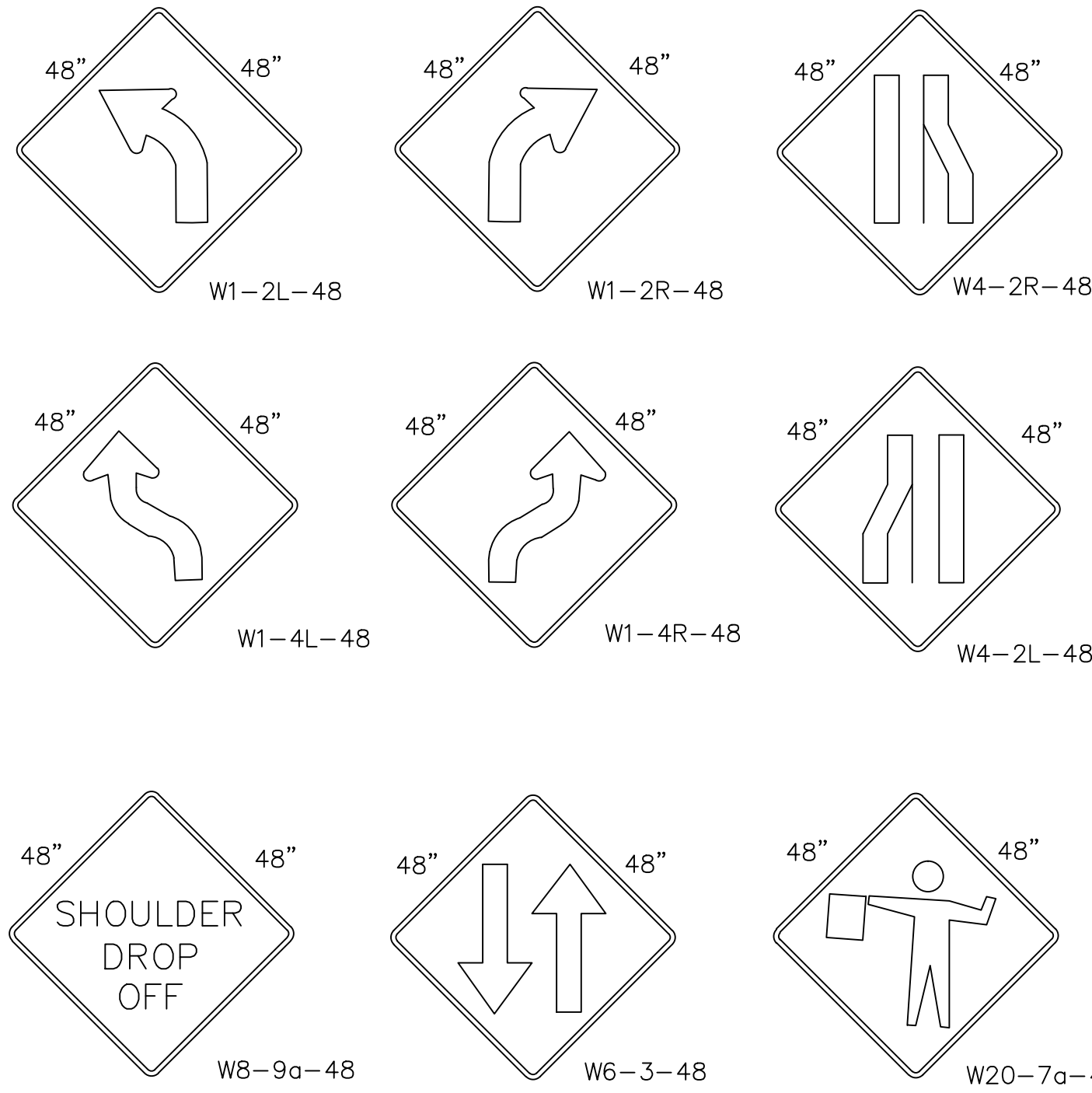
Crossing Details  
 Alto Lakes W&SD  
 Lincoln County, New Mexico

Sheet  
 D106

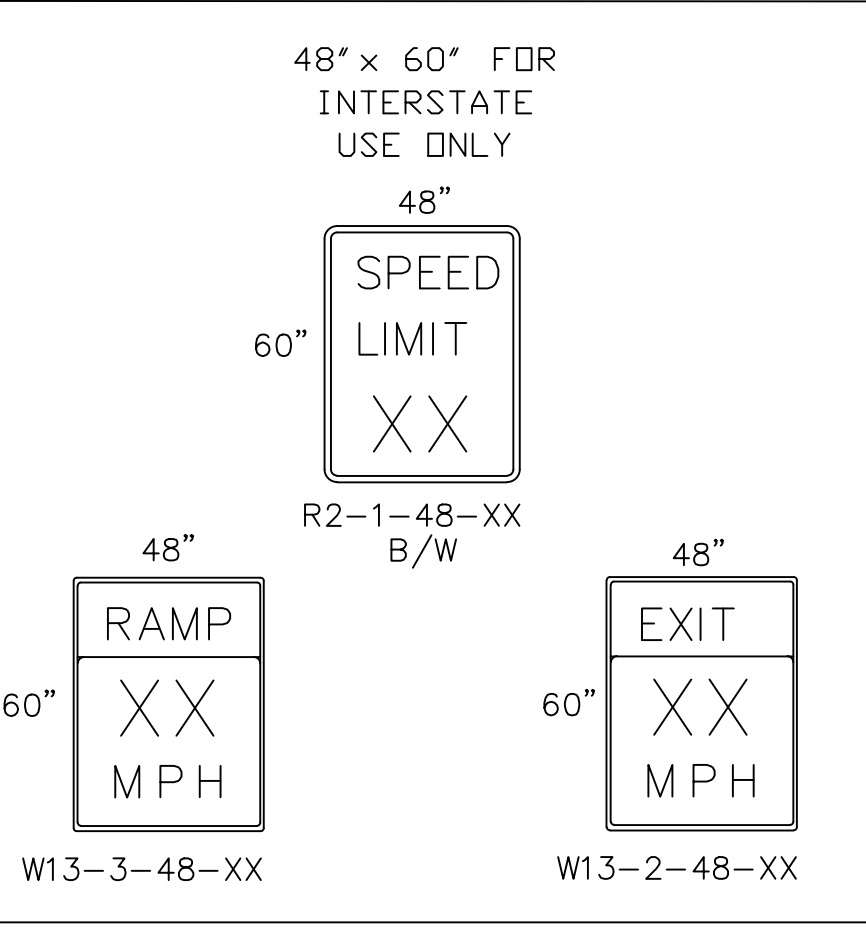
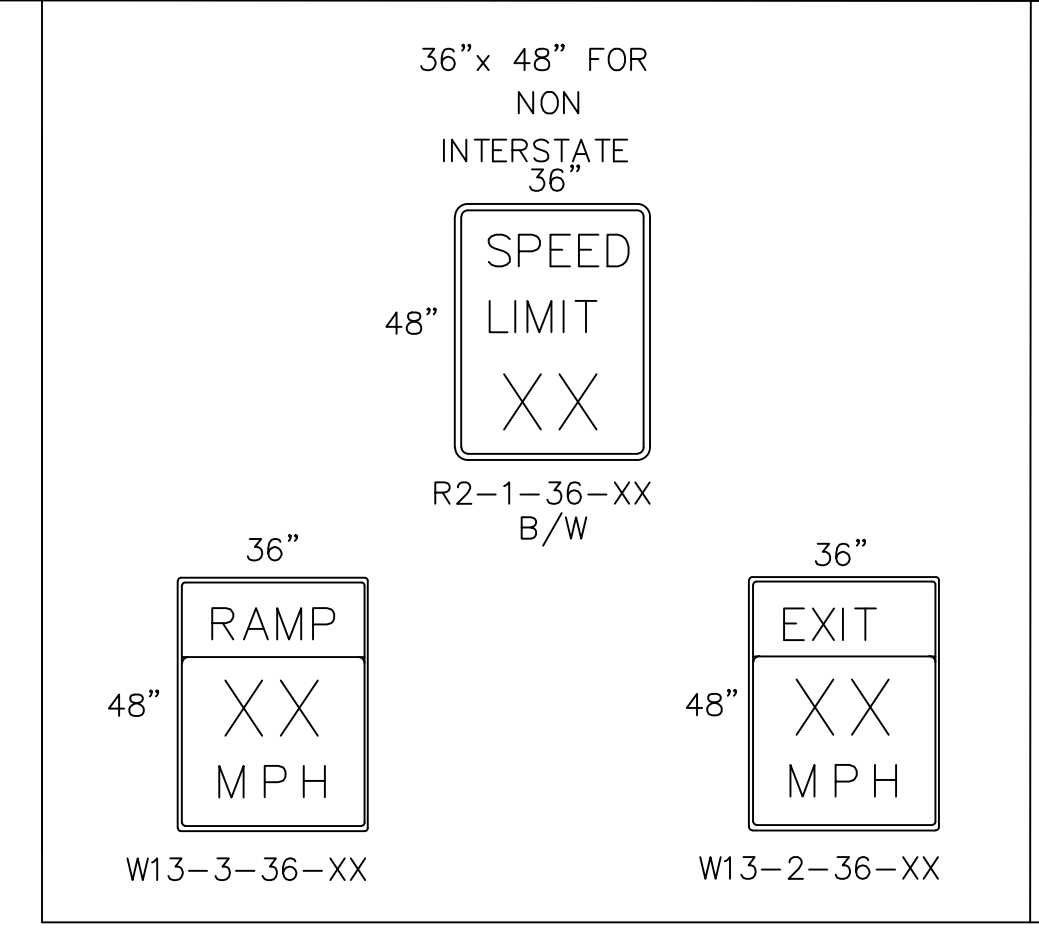
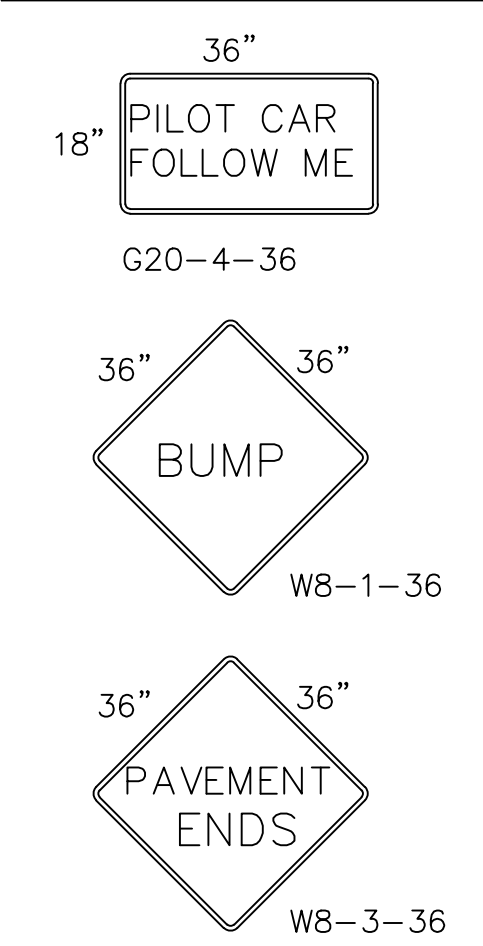
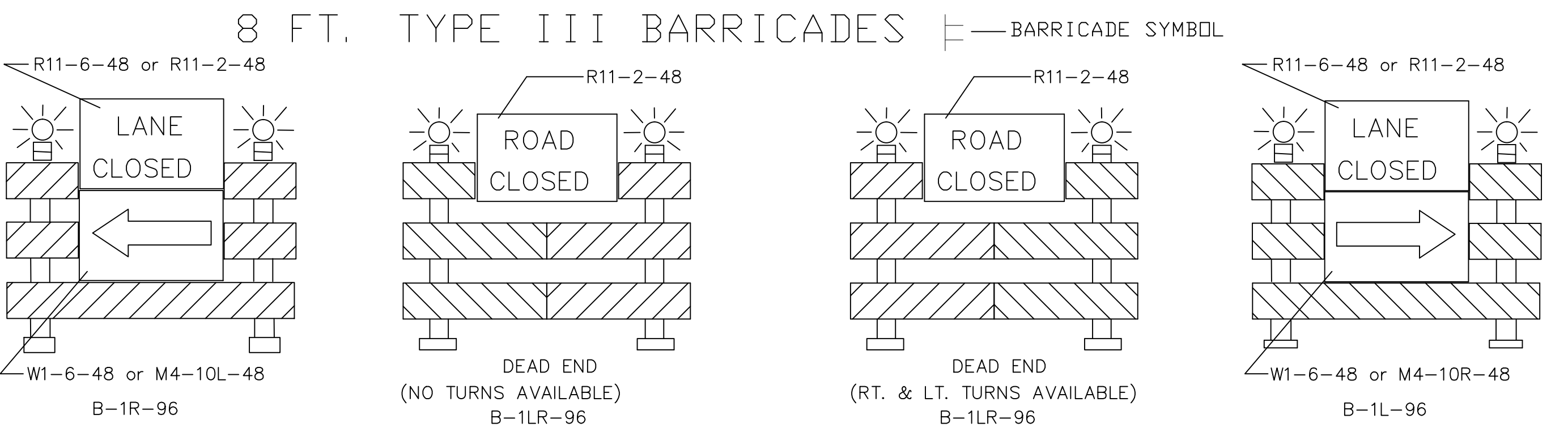
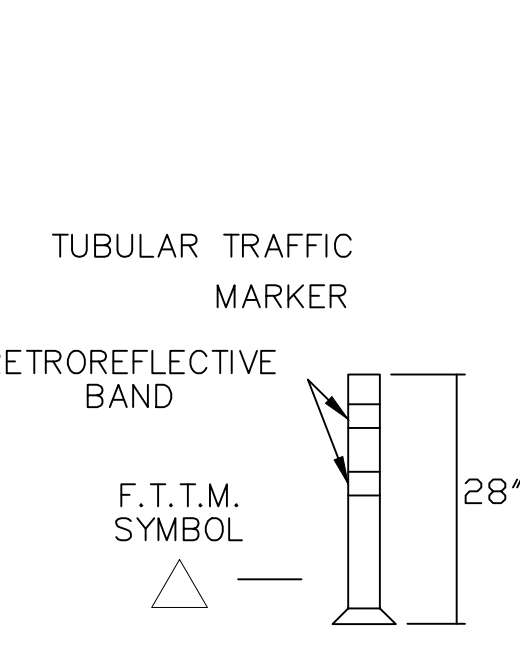
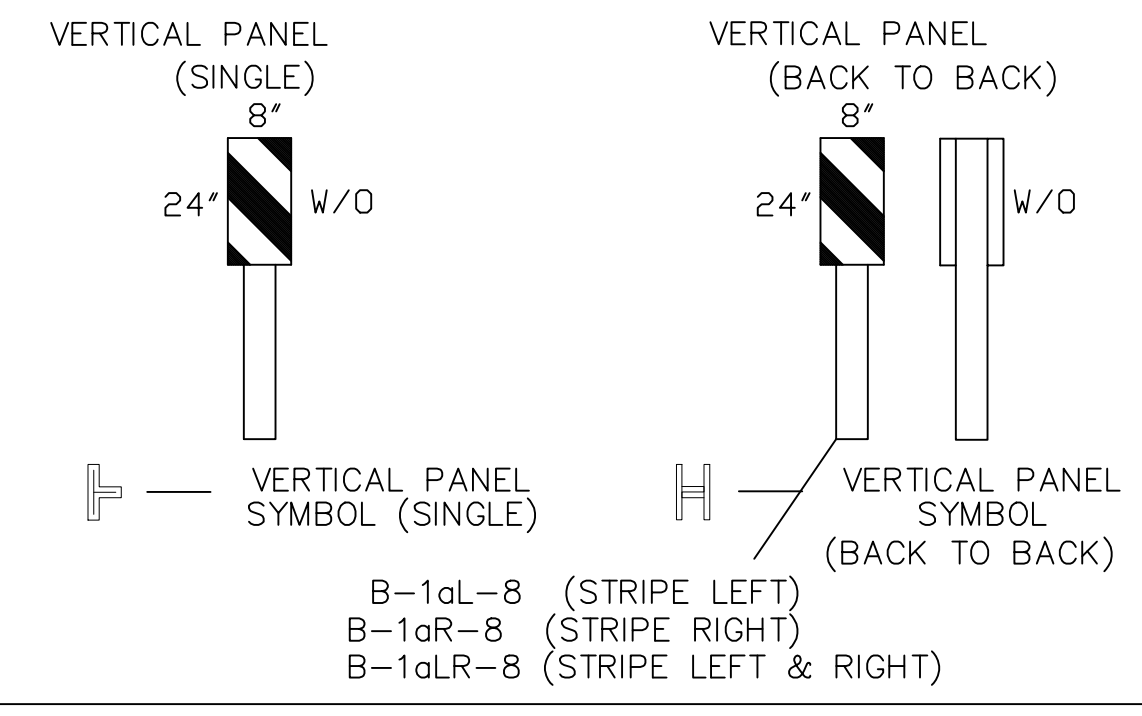


# SIGN FACE DETAILS FOR CONSTRUCTION/MAINTENANCE

NOTES: 1. SIGNS SHALL MEET SPECIFICATIONS IN THE NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD HIGHWAY SIGN MANUAL AND MUTCD (CURRENT EDITIONS).  
2. SEE MUTCD (CURRENT EDITION) FOR ADDITIONAL SIGNS.  
3. ALL SIGNS ARE BLACK ON ORANGE UNLESS OTHERWISE SPECIFIED.



ALL DRUMS SHALL COMPLY WITH THE SPECIFICATIONS OF SECTION 702 - TRAFFIC CONTROL DEVICES FOR CONSTRUCTION, NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION.



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**"NOTICE OF EXTENDED PAYMENT PROVISION;  
THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT  
WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED  
REQUEST FOR PAYMENT"**

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Traffic Control Sign Face Detail  
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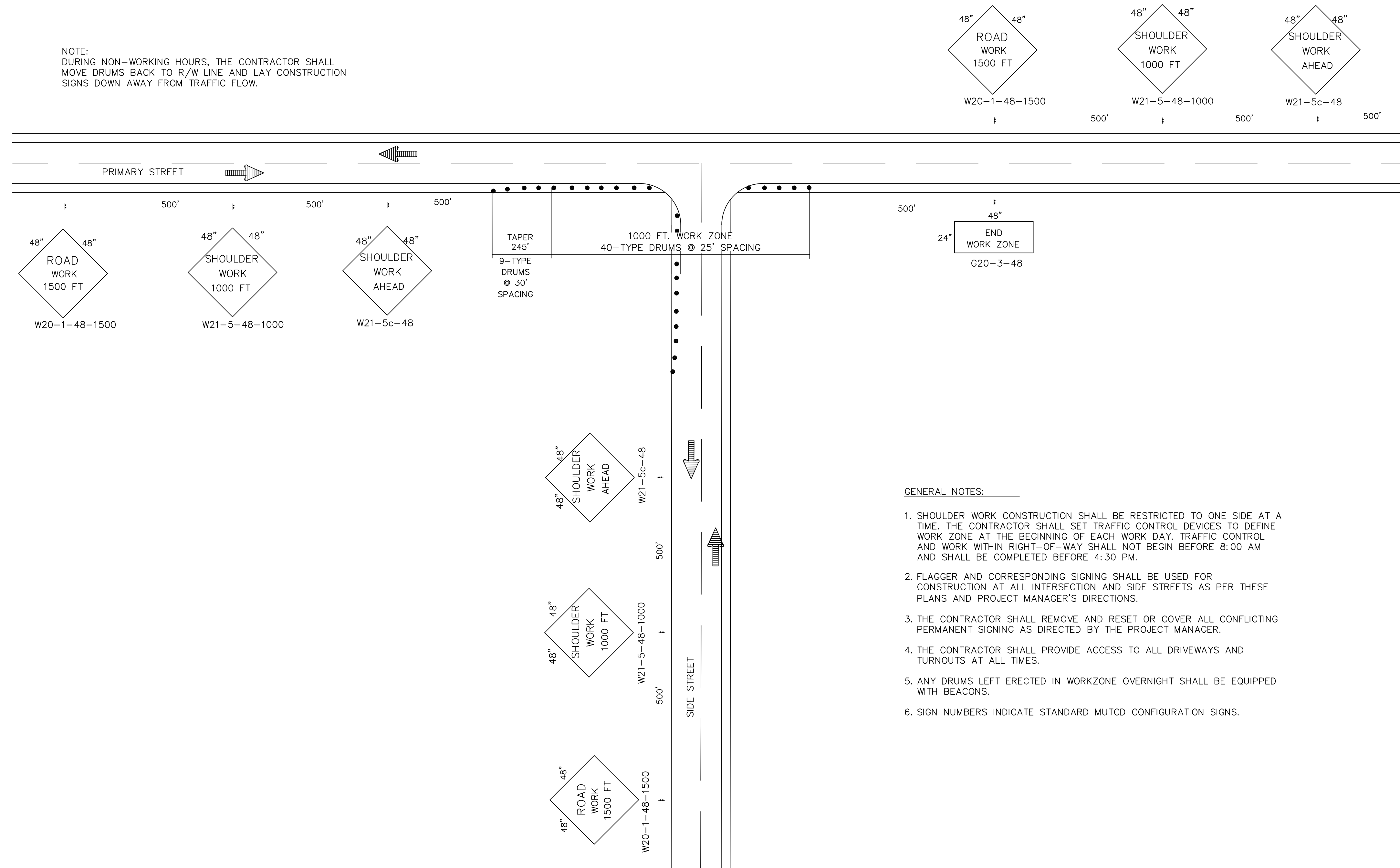
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# TYPICAL INTERSECTION

(LEFT OR RIGHT)  
 ONE INTERSECTION SETUP AT ONE TIME  
 NEW MEXICO DEPARTMENT OF TRANSPORTATION No. 702525 -  
 CHANNELIZATION DEVICES TYPE DRUM  
 TOTAL OF 49 DRUMS REQUIRED

NOTE:  
 DURING NON-WORKING HOURS, THE CONTRACTOR SHALL  
 MOVE DRUMS BACK TO R/W LINE AND LAY CONSTRUCTION  
 SIGNS DOWN AWAY FROM TRAFFIC FLOW.



**GENERAL NOTES:**

1. SHOULDER WORK CONSTRUCTION SHALL BE RESTRICTED TO ONE SIDE AT A TIME. THE CONTRACTOR SHALL SET TRAFFIC CONTROL DEVICES TO DEFINE WORK ZONE AT THE BEGINNING OF EACH WORK DAY. TRAFFIC CONTROL AND WORK WITHIN RIGHT-OF-WAY SHALL NOT BEGIN BEFORE 8:00 AM AND SHALL BE COMPLETED BEFORE 4:30 PM.
2. FLAGGER AND CORRESPONDING SIGNING SHALL BE USED FOR CONSTRUCTION AT ALL INTERSECTION AND SIDE STREETS AS PER THESE PLANS AND PROJECT MANAGER'S DIRECTIONS.
3. THE CONTRACTOR SHALL REMOVE AND RESET OR COVER ALL CONFLICTING PERMANENT SIGNING AS DIRECTED BY THE PROJECT MANAGER.
4. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL DRIVEWAYS AND TURNOUTS AT ALL TIMES.
5. ANY DRUMS LEFT ERECTED IN WORKZONE OVERNIGHT SHALL BE EQUIPPED WITH BEACONS.
6. SIGN NUMBERS INDICATE STANDARD MUTCD CONFIGURATION SIGNS.

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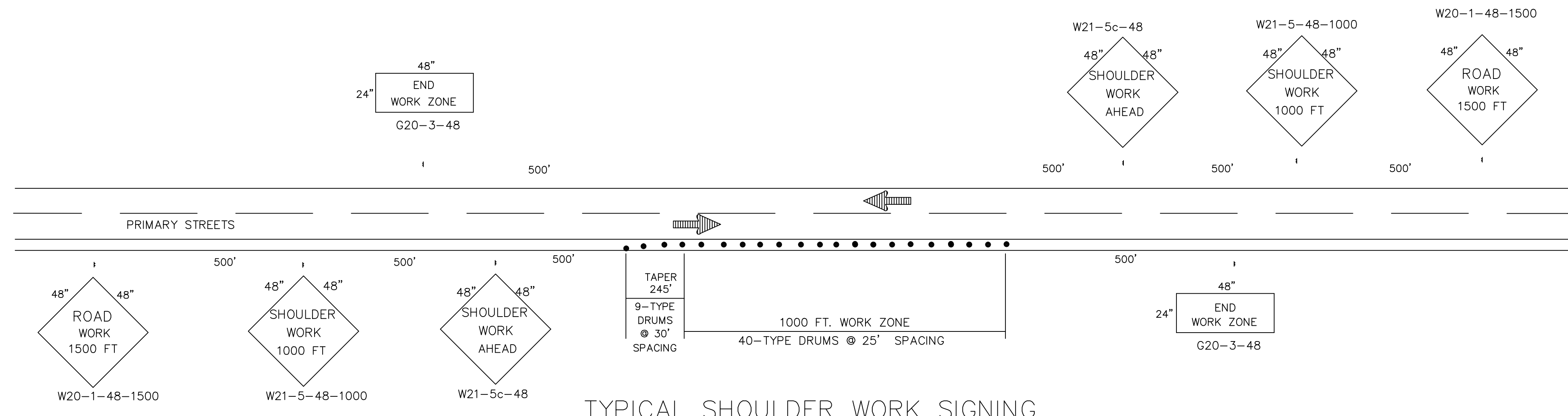


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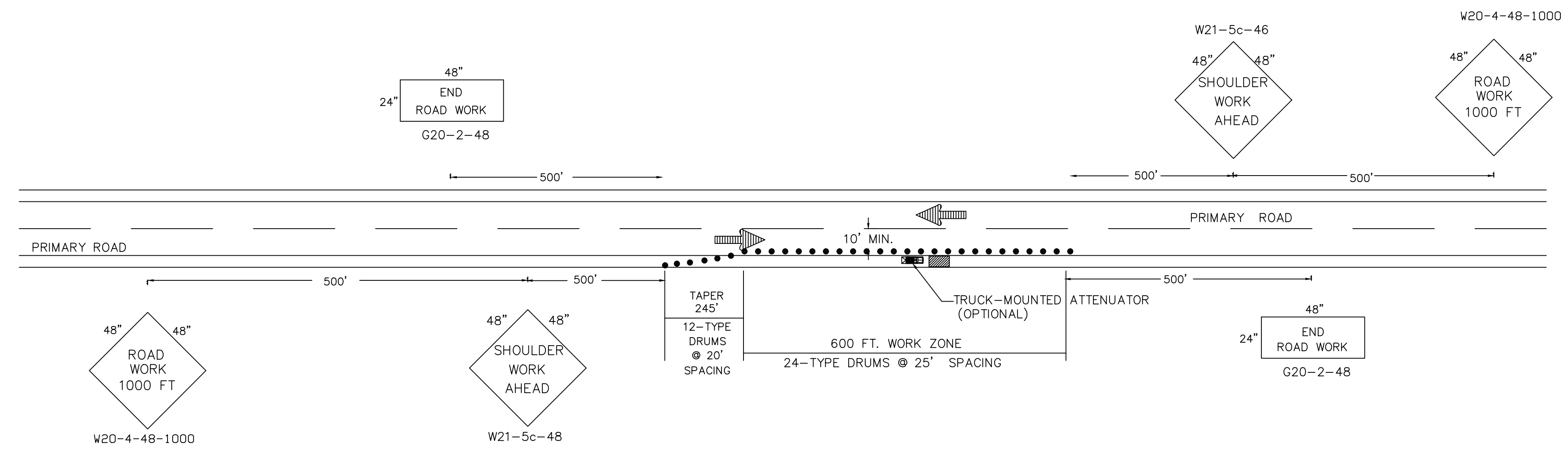
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**TYPICAL SHOULDER WORK SIGNING**

CHANNELIZATION DEVICES TYPE DRUMS  
 TOTAL OF 49 DRUMS REQUIRED  
 SHOULDER WORK (LEFT OR RIGHT) MAX. 2 SETUPS



**TYPICAL SHOULDER WITH MINOR ENCROACHMENT SIGNING**

PARTIAL LANE CLOSURE (LEFT OR RIGHT)  
 NEW MEXICO DEPARTMENT OF TRANSPORTATION  
 CHANNELIZATION DEVICES TYPE DRUM  
 TOTAL OF 36 DRUMS REQUIRED  
 N.T.S.

NOTE:  
 DURING NON-WORKING HOURS, THE CONTRACTOR SHALL  
 MOVE DRUMS BACK TO R/W LINE AND LAY CONSTRUCTION  
 SIGNS DOWN AWAY FROM TRAFFIC FLOW.

**GENERAL NOTES:**

1. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR OBTAINING LINCOLN COUNTY APPROVAL OF A TRAFFIC CONTROL PLAN, WITHIN THE ROW, AND ITS UTILIZATION, MAINTENANCE AND REMOVAL.
2. SHOULDER WORK CONSTRUCTION SHALL BE RESTRICTED TO ONE SIDE AT A TIME. THE CONTRACTOR SHALL SET TRAFFIC CONTROL DEVICES TO DEFINE WORK ZONE AT THE BEGINNING OF EACH WORK DAY.
3. THE CONTRACTOR SHALL REMOVE AND RESET OR COVER ALL CONFLICTING PERMANENT SIGNING AS DIRECTED BY THE PROJECT MANAGER.
4. THE CONTRACTOR SHALL PROVIDE ACCESS TO ALL DRIVEWAYS AND TURNOUTS AT ALL TIMES.
5. CONTRACTOR IS RESPONSIBLE TO ENSURE ALL LANES BE A MINIMUM OF 10 FEET IN WIDTH AS MEASURED TO THE NEAR FACE OF CHANNELIZING DEVICE.
6. THE TREATMENT SHOWN SHOULD BE USED ON A MINOR ROAD HAVING LOW SPEEDS. FOR A HIGHER SPEED TRAFFIC CONDITIONS A LANE CLOSURE SHOULD BE USED.
7. FOR SHORT TERM AND LOW VOLUME, LOW SPEED ROADWAYS WITH VEHICULAR TRAFFIC THAT DOES NOT INCLUDE LONGER AND WIDER HEAVY COMMERCIAL VEHICLES, A MINIMUM LANE WIDTH IF 9'-0" MAY BE USED.
8. WHEN OPPOSITE SHOULDER IS SUITABLE FOR CARRYING VEHICULAR TRAFFIC AND OF ADEQUATE WIDTH, LANES MAY BE SHIFTED BY USE OF CLOSELY-SPACED CHANNELIZING DEVICES, PROVIDED THAT THE MINIMUM LANE WIDTH IS MAINTAINED.
9. THE SHADOW VEHICLE MAY BE OMITTED IF A TAPER AND CHANNELIZING DEVICES ARE USED.
10. A TRUCK MOUNTED ATTENUATOR MAY BE USED ON THE SHADOW VEHICLE.
11. VEHICLE HAZARD WARNING SIGNALS SHALL NOT BE USED INSTEAD OF THE VEHICLES HIGH DENSITY ROTATING, FLASHING, OSCILLATING, OR STROBE LIGHTS.

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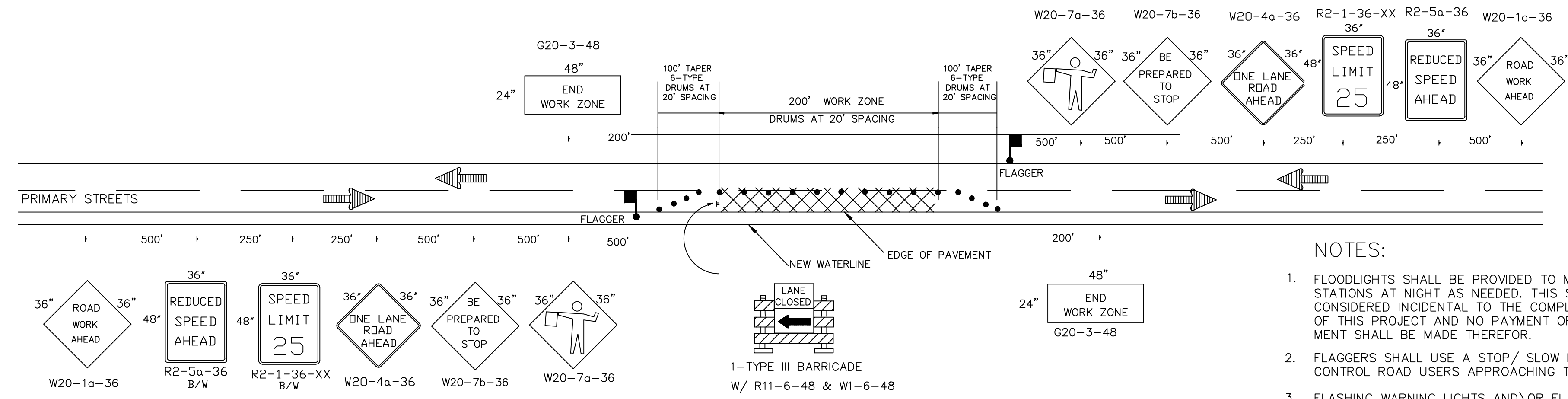


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NOTE:  
DURING NON-WORKING HOURS, THE CONTRACTOR SHALL  
MOVE DRUMS BACK TO R/W LINE AND LAY CONSTRUCTION  
SIGNS DOWN AWAY FROM TRAFFIC FLOW.

### TYPICAL LANE CLOSURE SIGNING

CHANNELIZATION DEVICES TYPE DRUMS  
TOTAL OF 22 DRUMS REQUIRED

#### NOTES:

1. FLOODLIGHTS SHALL BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT AS NEEDED. THIS SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THIS PROJECT AND NO PAYMENT OR MEASUREMENT SHALL BE MADE THEREFOR.
2. FLAGGERS SHALL USE A STOP / SLOW PADDLE TO CONTROL ROAD USERS APPROACHING TTC ZONE.
3. FLASHING WARNING LIGHTS AND/OR FLAGS MAYBE USED TO CALL ATTENTION TO THE ADVANCED WARNING SIGNS.
4. IN THE EVENT THAT A TAPER OCCURS IN A HORIZONTAL CURVE, A LONGITUDINAL BUFFER SPACE SHALL BE PROVIDED SO AS TO POSITION TAPER IN ADVANCE OF THE HORIZONTAL CURVE.
5. MAXIMUM DRUM SPACING ON TANGENT SECTION SHALL BE 30' SPACING.
6. IF FLAGGERS CANNOT BE CLEARLY VISIBLE TO EACH OTHER, THEY MUST USE RADIOS TO COMMUNICATE.

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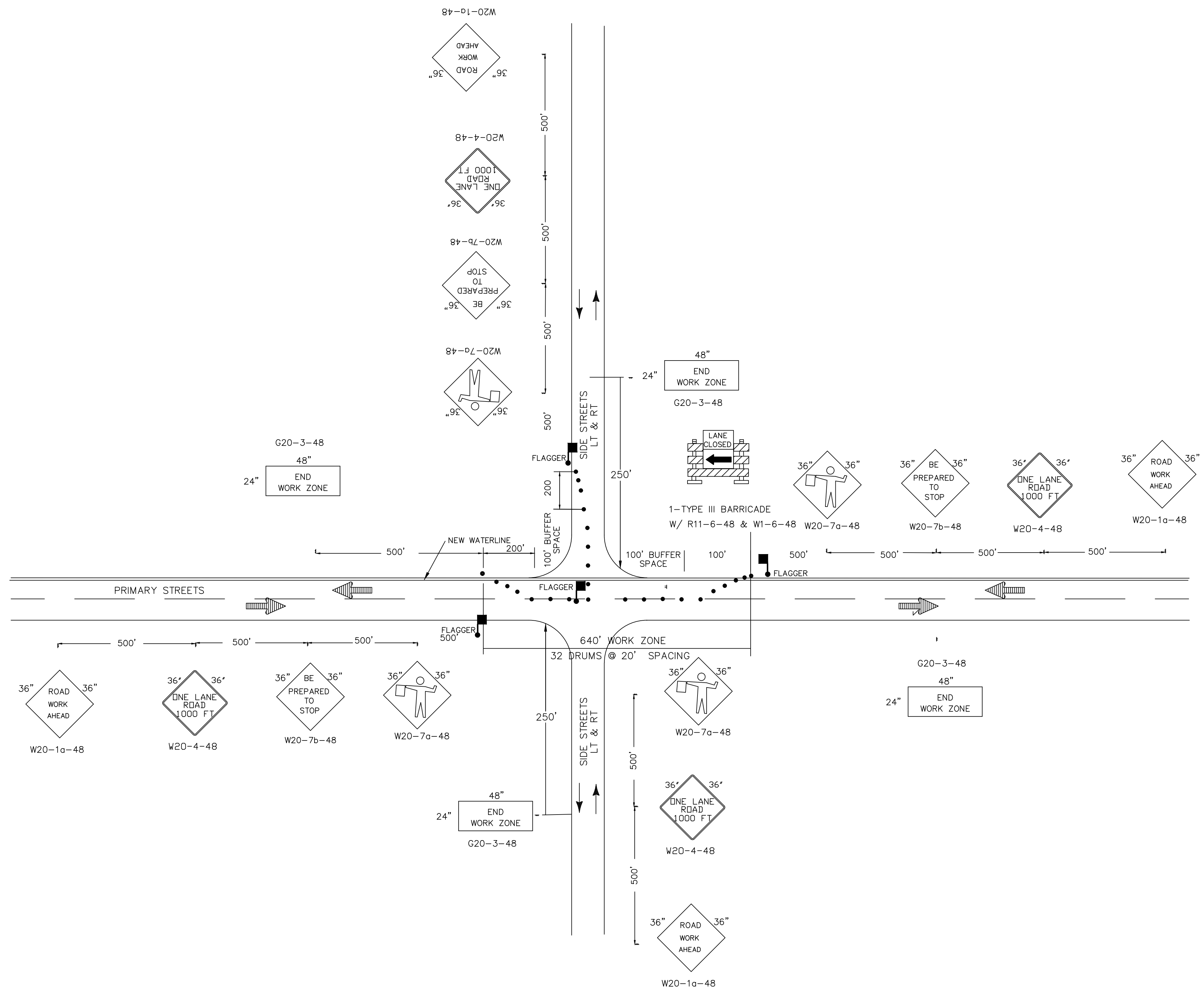


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**TYPICAL OPEN CUT CONSTRUCTION**

NOTE: TRAFFIC CONTROL WILL BE REVERSED FOR CONSTRUCTION WORK ON EAST BOUND LANES

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