

**APPLICATION FOR PERMIT TO INSTALL UTILITY FACILITIES
WITHIN PUBLIC RIGHT OF WAY**

TO: NEW MEXICO DEPARTMENT OF TRANSPORTATION
P.O. Box 1149
SANTA FE, NEW MEXICO 87504-1149

Permit No. _____
_____ Permit Renewal
_____ Relocation
_____ Remain in Place
_____ New Installation
_____ Out of Service

1. Pursuant to New Mexico Statutes Annotated, 1978 Compilation, Sections 67-8-13 and 55-2-7, and 17.4.2 NMAC
the undersigned
City of Aztec

Address: 201 W. Chaco, Aztec, New Mexico, 87410

herein makes application to use highway rights of way to install:

Size and Type of Facility 12" Diameter PVC Pipe Installed Parallel to Highway

in the following location: N.M. Project No. _____ Route No. _____

Highway MP/GPS 158.44 to Highway MP/GPS 158.50

San Juan County, Section 16, Township T30N, Range R11W

- 2. For the purpose of this application "within" shall be construed as meaning "on, upon, over, under, across or along."
 - a. "Engineer" shall be construed as meaning the District Engineer of the New Mexico Department of Transportation of the District Engineer's Representative.
 - b. "Applicant shall be construed as meaning the individual, firm, corporation, association, governmental subdivision, or other organization making application, or the successors of any of the above.
 - c. "Facility" shall be construed as meaning, but not limited to any publicly, privately, cooperatively, municipally or governmentally owned facility used for carriage, distribution or transmission or water, gas or electricity, oil and products derived therefrom, sewage, stream or other projects carried by means of pipelines, conduits, wires, culverts, ditches, conveyors or other methods.
 - d. If application is for a parallel installation, justification as to why private right may be utilized must be furnished.

3. Applicant proposes to relocate install leave facility 130 feet within the
Highway 550 right of way line. The proposed installation shall be:

<u>Parallel</u>	<u>Subsurface</u>	<u>Trench</u>
(Crossing or Parallel)	(Subsurface or Overhead)	(Boring, Jacking, or Pavement Cuts)

- a. If applicant requests installation by pavement cut, complete justification therefore shall be submitted by attachment.
- b. Where application for pavement cut is justified, the application may be held in abeyance pending receipt of cash bond in an amount to be fixed by the Engineer.

4. There is attached hereto a diagrammatic dimensioned drawing showing the location of existing and/or proposed installation referenced to roadway and right of way, right of way lines, any access control lines, distance of proposed installation above, or below grade, highway stationing, identification of materials to be used and any other pertinent data. If application is for parallel installation, nature of adjacent land use must be shown. Proposed installations on or in bridges or other structures, or for the installation of any structures, shall require detailed structural drawings.

5. Applicant desired this permit to be in affect for 25 years. Permit shall not be issued for a period longer than 25 years, and must be renewed upon expiration. The burden of timely renewal is on the Applicant. The Applicant shall formally notify the engineer of actual commencement and completion of construction of the installation. The Applicant shall also formally notify the Engineer of removal or abandonment of the facility, or relinquishment of the permit.

6. This application shall be validated as a permit upon the signing of the application by the Engineer and returned it to the Applicant. The granting of this permit shall not be construed as granting any easement of property right.
7. Servicing of facilities shall not be permitted within the access control lines on any controlled access project. Should an emergency occur, the Applicant shall notify the Engineer and shall provide such flagmen, flashers, warning or other safety devices as required by the Engineer. All routine maintenance shall be performed from outside any access control lines.
8. The relocation or installation of facilities within public right of way shall be in strict conformance with all **application provisions of regulations of the New Mexico Department of Transportation 17.4.2 NMAC**, all provisions of this application, drawing and the Instructions for Utility Permits, as they may be modified by the Engineer, and no departure therefrom may be made without the written consent of the Engineer. All facilities shall be so placed that they will not interfere with or endanger any roadway features or other existing facilities. All construction of facilities shall be subject to the inspection and approval of the Engineer. All such work shall be performed so that danger, inconvenience and delay to the traveling public will be held to a minimum. Protection and handling of traffic during the installation are the responsibility of the Applicant and must be approved by the Engineer.
9. The Applicant shall, except as otherwise ordered by the Engineer, restore the right of way, and all bridges or other structures thereon or adjacent thereto which have been altered or affected by facility installation performed hereunder, in accordance with sound construction practices and the Engineer's specifications, and shall cause the work to be done in a workmanlike manner, if any damage is caused to the highway right of way or to any bridge, structure or improvement thereon or adjacent thereto by reason of the design installation, maintenance alteration or removal of such facilities or other appurtenances, the Applicant shall reimburse the Engineer the full amount thereof promptly upon demand by the Engineer provided, however, that the obligation imposed under this paragraph shall not apply in the event the damage resulted from causes beyond the control of the Applicant or its contractors or its consultants. All such facilities located within the right of way shall at all times be kept in such repair so as not to damage the highway, inconvenience or endanger the traveling public and shall be kept free of advertisement, posters and the like.
10. Should the Applicant at the time fail to promptly and fully perform any of the obligations imposed hereby and after thirty (30) days written notice thereof, the Engineer may, at his option (a) cause the obligations to be fully carried out and performed, and the Applicant shall promptly reimburse the Engineer for all costs and expenses incident thereto, or (b) summarily order the removal of such facility and if the Applicant fails to comply with that removal order within a reasonable time, the Engineer may direct the removal of the facility with all costs and expenses thereto to be borne by Applicant.
11. If by reason of any change in the location, construction, grade or by any other matter affecting the highway upon which any facility is located because of changing traffic conditions or otherwise, it shall become advisable in the opinion of the engineer that said facility be removed, relocated or otherwise modified, the utility, upon written notice from the engineer, shall provide all horizontal and vertical datum including pothole information, size and type of material, and condition of material. If necessary the utility shall remove, relocate or modify such facility without undue delay in such manner as the engineer may direct or approve, at the utility's expense and at no cost to the engineer. All facilities located on public right-of-way under the dual jurisdiction of the state and a subordinate governmental entity shall comply with all applicable rules and regulations of such entity properly and lawfully in force and including but not limited to provisions of local franchises not in conflict with the rules and regulations of the engineer. The engineer makes no warranty, either express or implied, as to the continued existence of any highway in any particular location and expressly assumes no obligation with regard to the facility upon change, vacation or abandonment of any highway or portions thereof.
12. Neither the making of this application nor anything herein contained shall constitute a waiver on the part of the Applicant of any rights or claims had or made by some with respect to the occupancy of the streets and highways under the Constitution and Laws of the State of New Mexico, nor shall anything herein contained in any prejudice or impair any rights or claims existing independent of this application with respect to the construction, operation, and maintenance of the Applicant's facilities in the State of New Mexico.
13. The utility owner must indemnify and hold harmless the New Mexico Department of Transportation from loss due to any negligent act of the utility, the utility's employees, any agent acting on the utility's behalf, and anyone else engaged by the utility to work on the utility installations, maintenance or relocations of their facilities. Any contractor or subcontractor engaged by the utility to perform utility installations or relocations in conjunction with or prior to highway construction must also indemnify and hold harmless the New Mexico Department of Transportation from loss due to any negligent act of the utility's contractor or subcontractor.
14. Each copy of the application shall be signed by the Applicant as an individual owner or by any official designated to execute such Documents.

15. Utility owners shall carry insurance in amounts not less than those below specified and as outlined in 17.4.2 NMAC and the Standard Specifications for Highway and Bridge Construction, 2019 Edition, (hereinafter, "Specifications"), as may be updated from time to time. In the event of conflict between the specification, and the regulations, owner shall carry the largest amount of insurance. If a utility is self-insured, the utility shall provide an Owner's Protective Liability Insurance Policy, in favor of the Department, in the amounts below specified. **Department as additional named insured:** The utility, is contractor or subcontractor shall have the New Mexico Department of Transportation added as an additional named insured on the Comprehensive General Liability Form or Commercial General Liability Form furnished by the Utility.

This application is hereby granted subject to all provisions herein and including the following special provisions, changes or amendments:

The utility shall provide "as-built" horizontal and vertical location information in hard copy and electronic file (AutoCAD DWG (3D)). The standard horizontal datum shall be North American Datum 1983 (NAD83) and the standard projections shall be the New Mexico State Plane Coordinate System 1983 (NMSPCS83). The standard vertical datum shall be North American Vertical Datum 1988 (NAVD 1988). The utility location information shall be tied to Department monuments and referenced to highway mileposts and/or GIS coordinates and certified by a New Mexico Registered Land Surveyor. Metadata or "data about the data" shall be submitted with each utility's as-built electronic file, preferably as a separate text file on the electronic submittal media, and shall include: 1. District Utility Permit Number. 2. Name, address and phone number of the responsible land surveyor. 3. Date of completion of survey. 4. Equipment used to conduct the Survey. 5. Horizontal and vertical control marks used to tie the survey to the NMSPC83 and NAVD88. 6. Ground to Grid combined scale factor used. 7. Elevations shall be provided every 500 feet and at all survey break points, including all high and low points.

Note: Highway projects are time sensitive therefore, permit information requested from Authorization to Engineer Letters must be returned by the date indicated within the Authorization to Engineer letter.

16. Any utility qualifying for reimbursement shall relocate in accordance with and pursuant to MAP-21; <http://www.fhwa.dot.gov/construction/contracts/buyam-qa.cfm> and (23U.S.C313)
Applicant/Utility Owner certifies we are in compliance with Buy America for said facility and agrees and understands non-adherence will void said permit.

Applicant Greta Quintana, P.E.

By 

Title Professional Engineer

Approval of this permit is hereby given this _____ day of _____, 20_____

NEW MEXICO DEPARTMENT OF TRANSPORTATION

By _____



WORK AREA

Pepsi Way

Hwy 550

550

Google Earth

© 2017 Google

REVIEWED

Form No. A-65

By Kasey Flavin at 3:44 pm, Feb 15, 2018

CULTURAL RESOURCE INVENTORY
NOT REQUIRED
NMDOT, ENVIRONMENTAL SECTION



New Mexico
TRANSPORTATION
MOBILITY FOR EVERYONE

Contact NMDOT Environmental Bureau if archaeological deposits are encountered (artifacts, bone, black sediment).

Environmental Clearance for Undertakings within NMDO

ENVIRONMENTAL SURVEY
NOT REQUIRED
NMDOT, ENVIRONMENTAL SECTION

In order to receive environmental clearance for permitted projects in high following information will need to be submitted to the NMDOT Environmental Design Division. Submittals (usually) are reviewed Tuesday of each week. Submittals received on Tuesday will not be reviewed until the following Tuesday. Emergency requests are handled on a case-by-case basis.

1. **Purpose and Nature** of undertaking. Describe the undertaking along with width, length and depth of ground disturbance. Include the methods and machinery to be used.
2. **Is your project resulting from a NMDOT project?** If so, provide the control and/or project number.
3. **Funding Source.** Is the funding private, state or federal? If state and/or federal, list agency(s).
4. **Land status.** Is the project on the right-of-way owned by BLM, Forest Service, Tribal land or State Trust land? (NMDOT does not own all highway rights-of-way!)
5. **Permitting agencies.** List other permitting agencies involved besides NMDOT.
6. **County.** List the county or counties in which the project is located.
7. **Highway number.** Indicate the highway, the project will cross or parallel.
8. **BOP and EOP.** Provide the milepost locations for the beginning of the project area (BOP) and the end of the project area (EOP). If highway crossing only, list the milepost location, indicate BOP and EOP on quadrangle maps as well.

9. **Side(s)** of the road. Indicate of which side of the road the project will be located using cardinal directions (north, south, east, west). List all project crossings of the highway by milepost.

10. **Length** of the project. Indicate the length of the project within NMDOT right-of-way in terms of feet and/or miles.

11. **Provide the legal description** of the project area: Township, Range, and Section(s).

12. **USGS 1:24,000(7.5') Quadrangle map.** List the name(s) of the USGS quadrangle map(s) on which the project is located.

13. Include the appropriate portion of the **USGS 1:24,000 (7.5') Quadrangle map(s)** with the project area indicated by an **X** if a crossing, or **BOP** and **EOP** if linear. **Do not reduce or enlarge.** Quad map images can be printed at no charge from the website <http://terraserver.usa.com/>.

14. **Do not** send photos (including aerial photos or photo maps) unless they are scanned or sent via US Mail. Faxed photos come out entirely black.

15. Include your name, company (if applicable), phone #, fax # and email address (if you use one).

16. Submit your requests by email, by fax **OR** by mail. Send in one format only- **DO NOT** send in multiple formats.

Send clearance requests to:

Genevieve Head, NMDOT-Environmental Design Division

1129 Cerrillos Road/P.O. Box 1149

Santa Fe, NM 87504

(for FedEx or UPS the ZIP code is 87501)

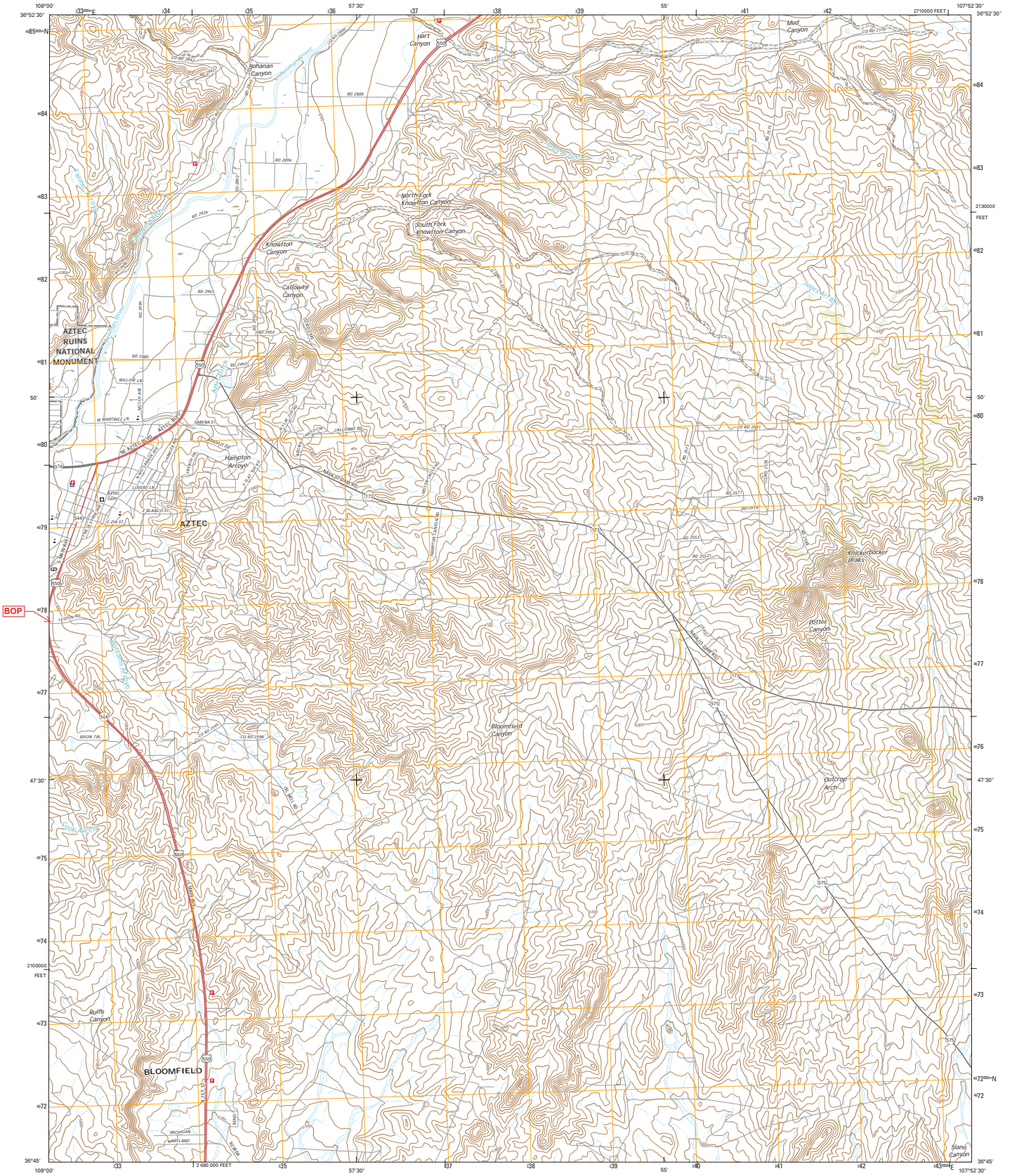
Phone: (505) 827-5356; **Fax:**(505) 827-0417; **Email:** genevieve.head@state.nm.us



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



AZTEC QUADRANGLE
NEW MEXICO-SAN JUAN CO.
7.5-MINUTE SERIES

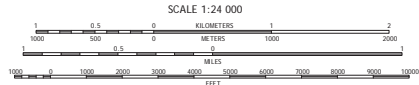
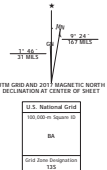


BOP

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
100-meter grid. Universal Transverse Mercator, Zone 13S
10 000-foot ticks. New Mexico Coordinate System of 1983 (west
zone)

This map is not a legal document. Boundaries may be
generalized for this map scale. Private lands and government
reservations may not be shown. Obtain permission before
entering private lands.

Geology NADP, September 2014
Roads U.S. Census Bureau, 2015 - 2016
Names Census Bureau, 2015 - 2016
Hydrography National Hydrography Dataset, 2014
Contours National Elevation Dataset, 2001
Boundaries Multiple sources; see metadata file 1972 - 2016
Public Land Survey System BLM, 2016
Wetlands FWS National Wetlands Inventory 1977 - 2014



ROAD CLASSIFICATION

Expressway	Local Connector
Secondary Highway	Local Road
Ramp	4WD
Instate Route	US Route
	State Route

ADJOINING QUADRANGLES

1	2	3	1 Adobe Downs Ranch
4	5	6	2 Cedar Hill
			3 Monte Nebo
			4 Flora Vista
			5 Turkey
			6 Horn Canyon
			7 Bloomfield
			8 Blasco

AZTEC, NM
2017

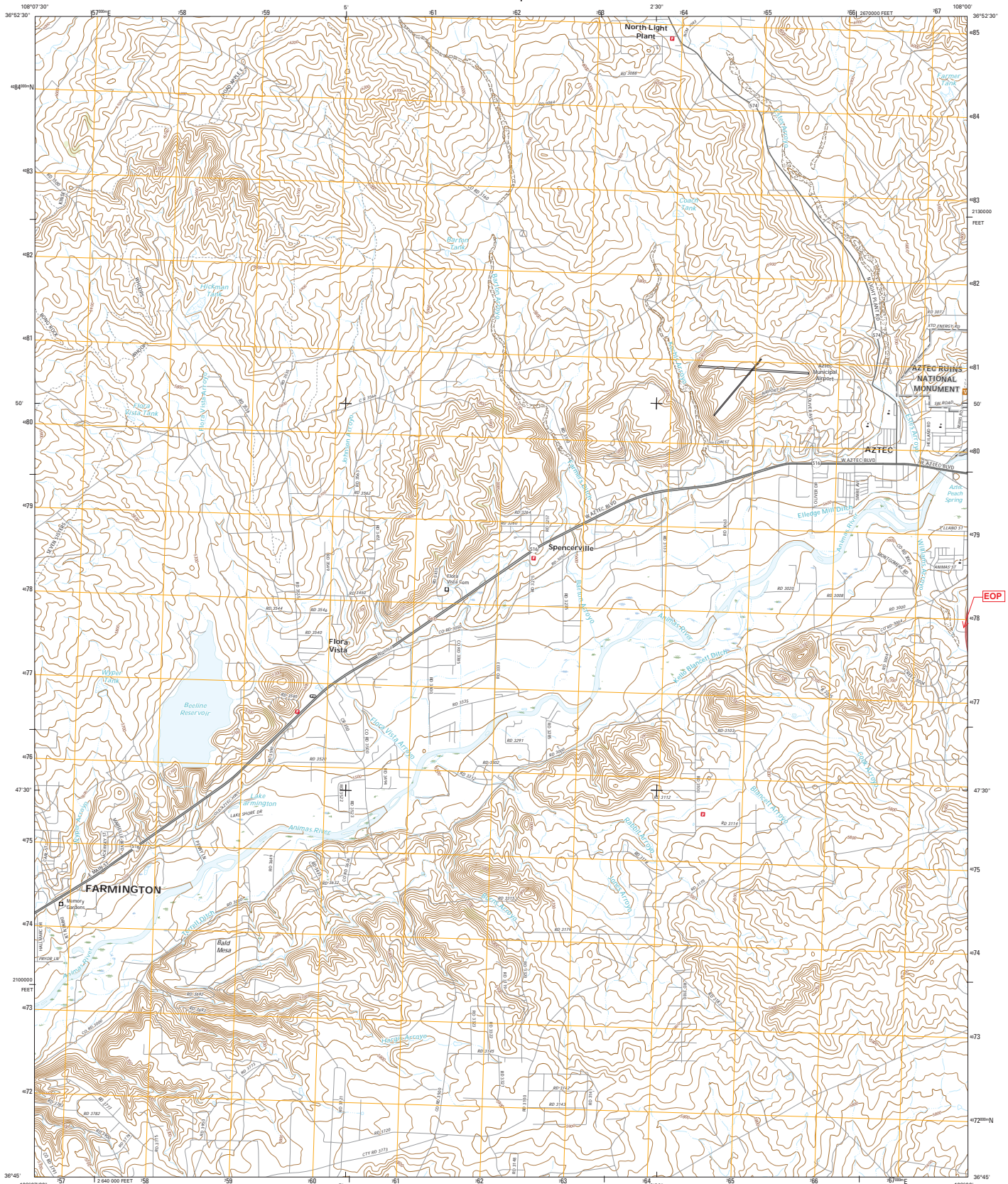




U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY



FLORA VISTA QUADRANGLE
NEW MEXICO-SAN JUAN CO.
7.5-MINUTE SERIES

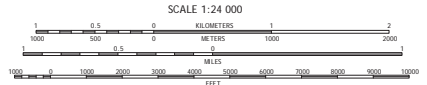
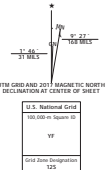


EOP

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84) - Projection and
1 000-meter grid. Universal Transverse Mercator, Zone 13S
11 000-foot ticks. New Mexico Coordinate System of 1983 (west
zone)

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imagery: NIP, September 2014
Roads: U.S. Census Bureau, 2015 2016
Names: ONS, 2016
Hydrography: National Hydrography Dataset, 2014
Contours: National Elevation Dataset, 2001
Boundaries: Multiple sources; see metadata file 1972_2016
Public Land Survey System: 1884 2016
Wetlands: FWS National Wetlands Inventory 1977 - 2014



CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1988

This map was produced to conform with the
National Geospatial Program US Topo Product Standards, 2011.
A metadata file associated with this product is draft version 6.6.19



ROAD CLASSIFICATION

Expressway	Local Connector	State Route
Secondary Hwy	Local Road	
Ramp	4WD	
Interstate Route	US Route	

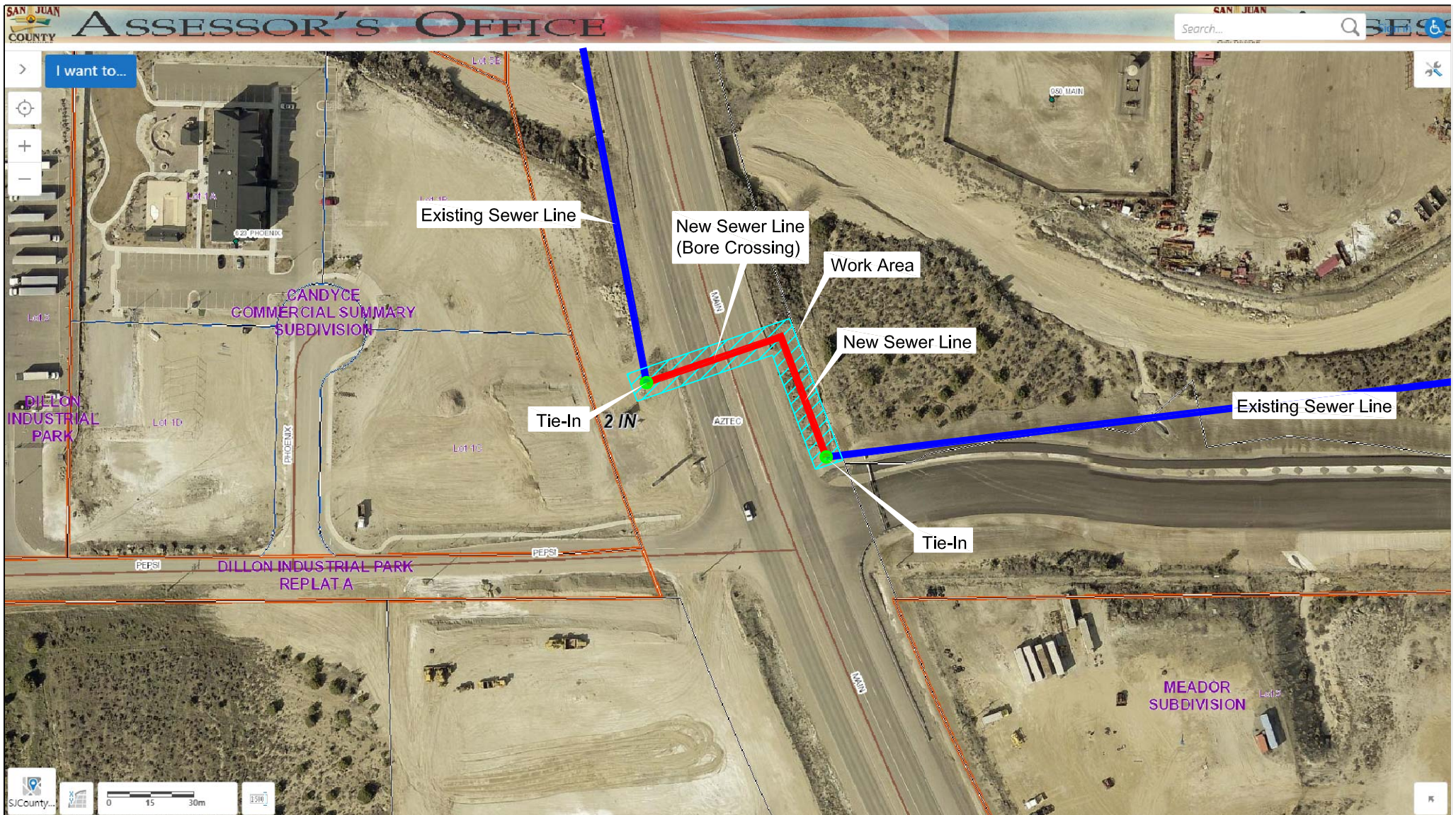
1	2	3	1 La Plata
4	5	6	2 Adobe Downs Ranch
7	8	9	3 Cedar Hill
			4 Farmington North
			5 Aztec
			6 Farmington South
			7 Horn Canyon
			8 Blandford

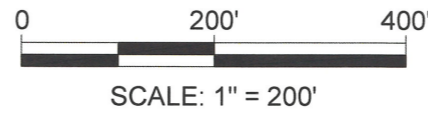
ADJOINING QUADRANGLES

FLORA VISTA, NM
2017

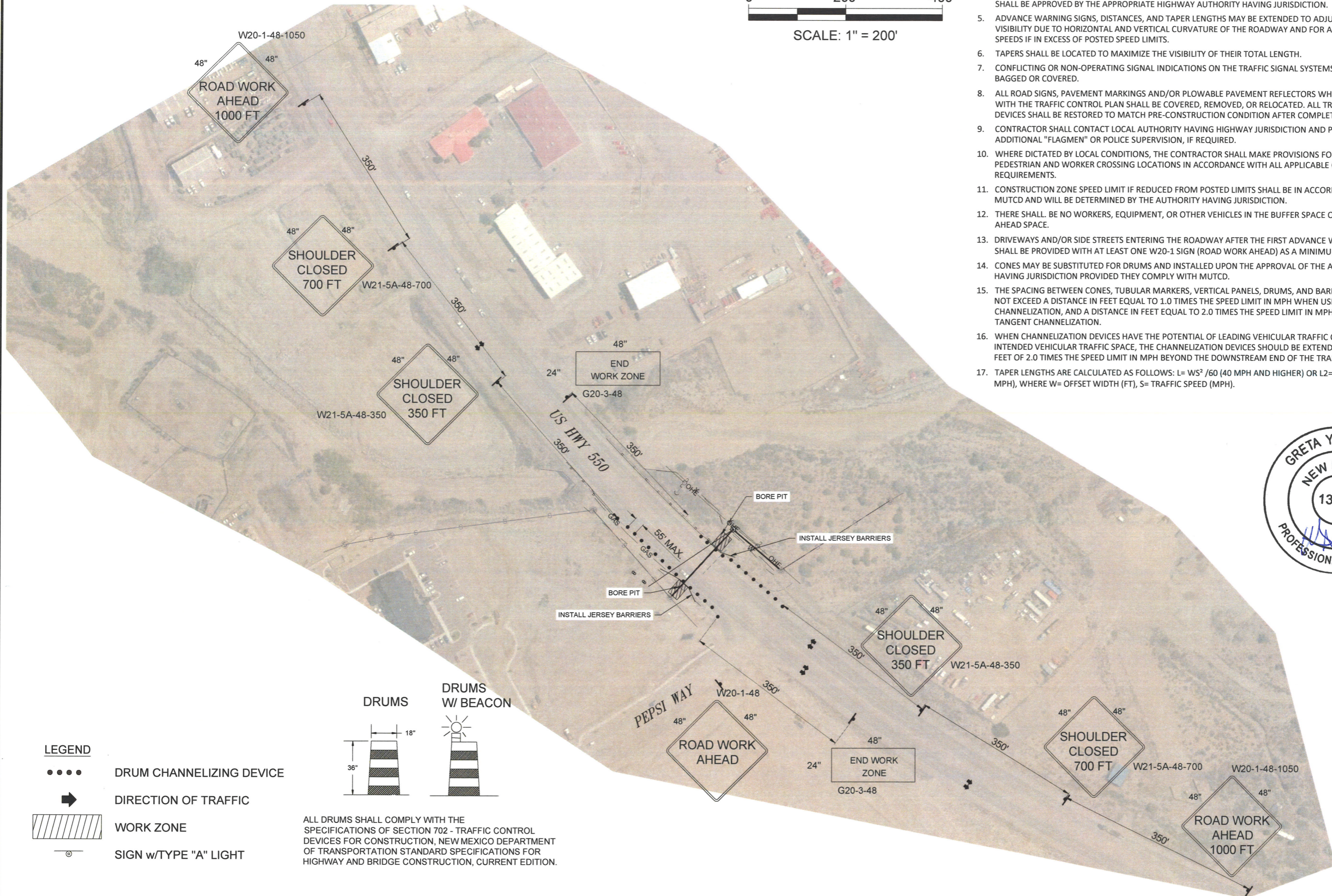


EXHIBIT 1





1. ALL TEMPORARY TRAFFIC CONTROL SIGNAGE, LAYOUTS AND PROCEDURES SHALL COMPLY WITH MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.
2. PRIOR TO ANY ROAD CONSTRUCTION, TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE IN PLACE.
3. TRAFFIC CONTROL DEVICES FOR LANE CLOSURES INCLUDING SIGNS, CONES, BARRICADES, ETC. SHALL BE PLACED AS SHOWN ON PLANS. SIGNS SHALL NOT BE PLACED WITHOUT ACTUAL LANE CLOSURES AND SHALL BE IMMEDIATELY REMOVED UPON REMOVAL OF THE CLOSURES.
4. SELECTION, PLACEMENT, MAINTENANCE, AND PROTECTION OF TRAFFIC, PEDESTRIANS, AND WORKERS SHALL BE IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) - PART VI "TEMPORARY TRAFFIC CONTROL", UNLESS OTHERWISE NOTED IN THE PLANS AND SPECIFICATIONS, AND SHALL BE APPROVED BY THE APPROPRIATE HIGHWAY AUTHORITY HAVING JURISDICTION.
5. ADVANCE WARNING SIGNS, DISTANCES, AND TAPER LENGTHS MAY BE EXTENDED TO ADJUST FOR REDUCED VISIBILITY DUE TO HORIZONTAL AND VERTICAL CURVATURE OF THE ROADWAY AND FOR ACTUAL TRAFFIC SPEEDS IF IN EXCESS OF POSTED SPEED LIMITS.
6. TAPERS SHALL BE LOCATED TO MAXIMIZE THE VISIBILITY OF THEIR TOTAL LENGTH.
7. CONFLICTING OR NON-OPERATING SIGNAL INDICATIONS ON THE TRAFFIC SIGNAL SYSTEMS SHALL BE BAGGED OR COVERED.
8. ALL ROAD SIGNS, PAVEMENT MARKINGS AND/OR PLOWABLE PAVEMENT REFLECTORS WHICH CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED, REMOVED, OR RELOCATED. ALL TRAFFIC CONTROL DEVICES SHALL BE RESTORED TO MATCH PRE-CONSTRUCTION CONDITION AFTER COMPLETION OF WORK.
9. CONTRACTOR SHALL CONTACT LOCAL AUTHORITY HAVING HIGHWAY JURISDICTION AND PROVIDE ADDITIONAL "FLAGMEN" OR POLICE SUPERVISION, IF REQUIRED.
10. WHERE DICTATED BY LOCAL CONDITIONS, THE CONTRACTOR SHALL MAKE PROVISIONS FOR MAINTAINING PEDESTRIAN AND WORKER CROSSING LOCATIONS IN ACCORDANCE WITH ALL APPLICABLE CODES AND OSHA REQUIREMENTS.
11. CONSTRUCTION ZONE SPEED LIMIT IF REDUCED FROM POSTED LIMITS SHALL BE IN ACCORDANCE WITH MUTCD AND WILL BE DETERMINED BY THE AUTHORITY HAVING JURISDICTION.
12. THERE SHALL BE NO WORKERS, EQUIPMENT, OR OTHER VEHICLES IN THE BUFFER SPACE OR THE ROLL AHEAD SPACE.
13. DRIVEWAYS AND/OR SIDE STREETS ENTERING THE ROADWAY AFTER THE FIRST ADVANCE WARNING SIGN SHALL BE PROVIDED WITH AT LEAST ONE W20-1 SIGN (ROAD WORK AHEAD) AS A MINIMUM.
14. CONES MAY BE SUBSTITUTED FOR DRUMS AND INSTALLED UPON THE APPROVAL OF THE AUTHORITY HAVING JURISDICTION PROVIDED THEY COMPLY WITH MUTCD.
15. THE SPACING BETWEEN CONES, TUBULAR MARKERS, VERTICAL PANELS, DRUMS, AND BARRICADES SHOULD NOT EXCEED A DISTANCE IN FEET EQUAL TO 1.0 TIMES THE SPEED LIMIT IN MPH WHEN USED FOR TAPER CHANNELIZATION, AND A DISTANCE IN FEET EQUAL TO 2.0 TIMES THE SPEED LIMIT IN MPH WHEN USED FOR TANGENT CHANNELIZATION.
16. WHEN CHANNELIZATION DEVICES HAVE THE POTENTIAL OF LEADING VEHICULAR TRAFFIC OUT OF THE INTENDED VEHICULAR TRAFFIC SPACE, THE CHANNELIZATION DEVICES SHOULD BE EXTENDED A DISTANCE IN FEET OF 2.0 TIMES THE SPEED LIMIT IN MPH BEYOND THE DOWNSTREAM END OF THE TRANSITION AREA.
17. TAPER LENGTHS ARE CALCULATED AS FOLLOWS: $L = WS^2 / 60$ (40 MPH AND HIGHER) OR $L2 = WS$ (OVER 40 MPH), WHERE W= OFFSET WIDTH (FT), S= TRAFFIC SPEED (MPH).



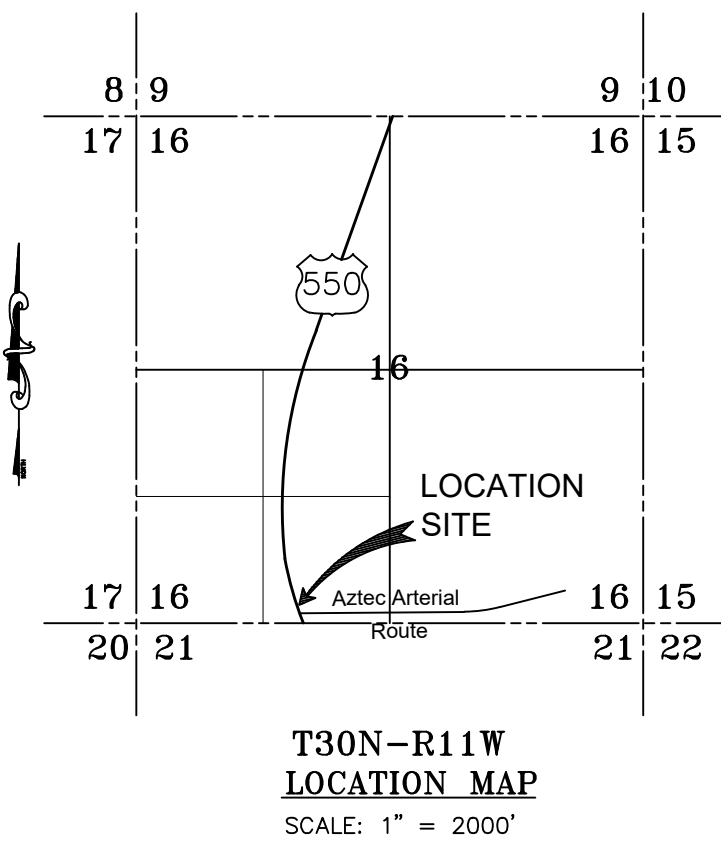
Rev #	Date	Description

SOUDEY, MILLER & ASSOCIATES
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SMA
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 Farmington, NM 87401
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 www.soudermiller.com

CITY OF AZTEC
 AZTEC, NEW MEXICO
 SEWER TIE-IN
 U.S. HWY 550
 TRAFFIC CONTROL PLAN

THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED		
Designed GYQ	Drawn GJF	Checked GYQ
Date:	April 2018	
Scale:	Horiz: 1" = 100' Vert: NA	
Project No:	9126219	
Sheet:	C101	

CITY OF AZTEC SANITARY SEWER TIE IN

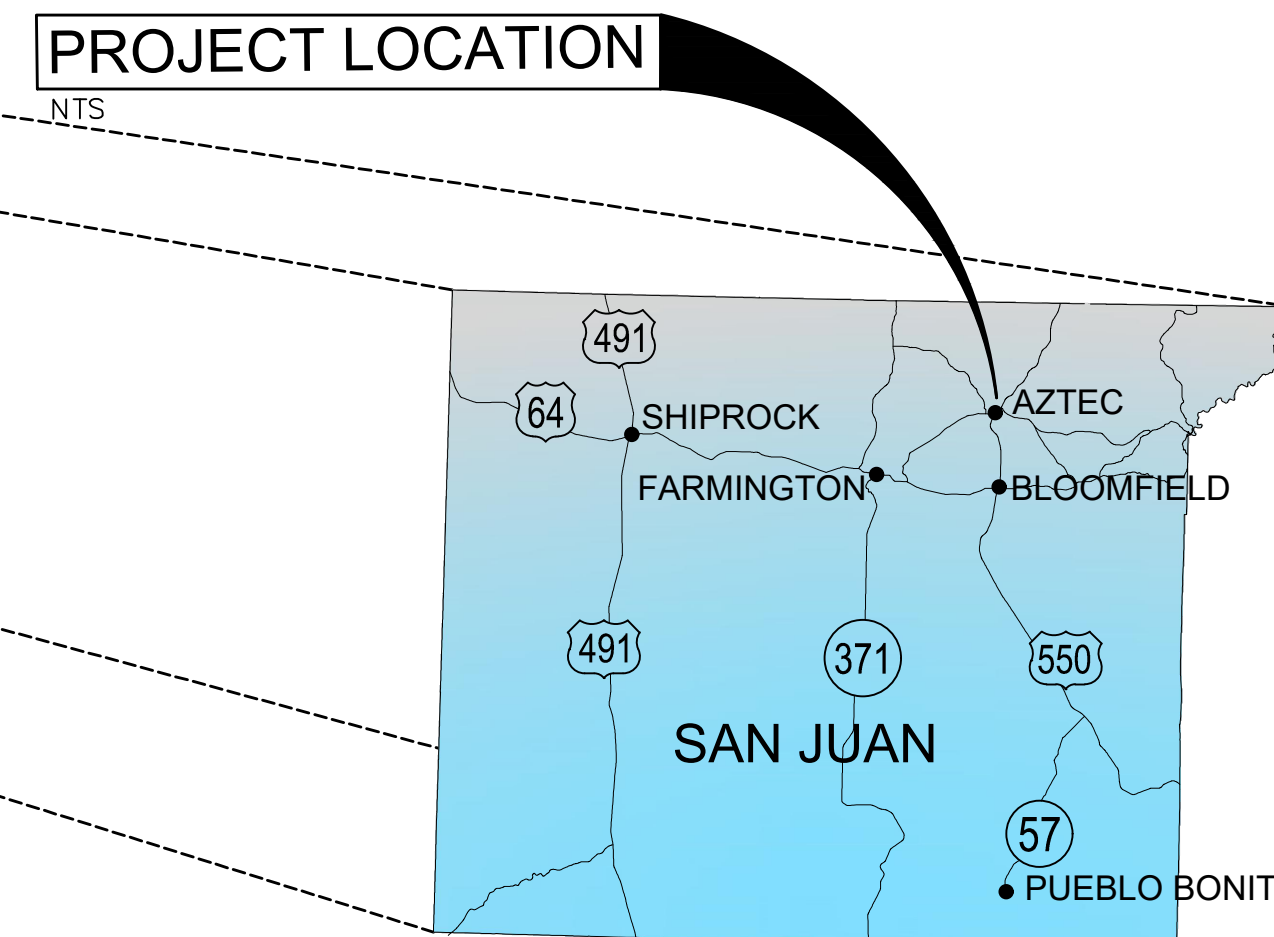
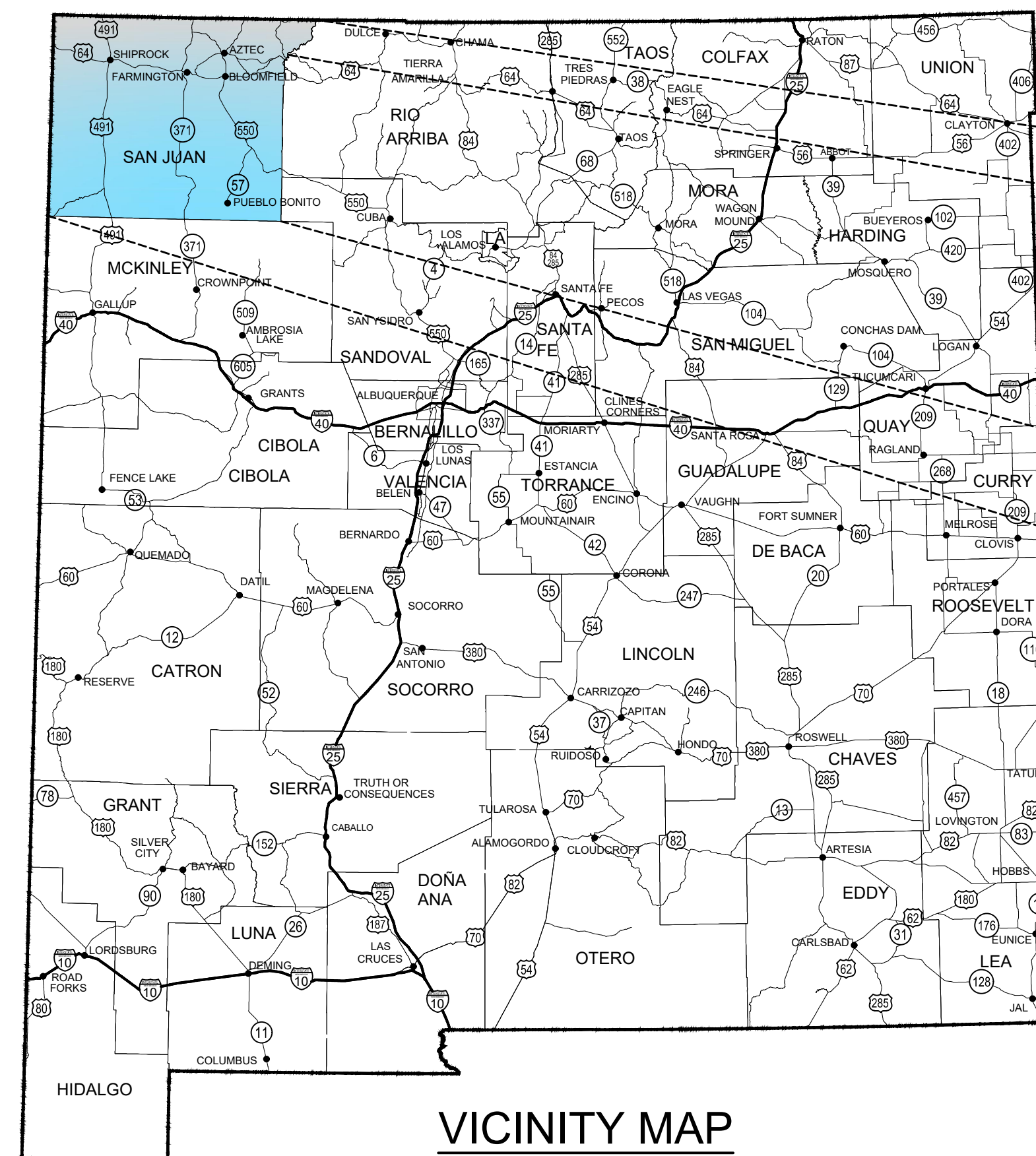


CITY OF AZTEC, NEW MEXICO April 2019

SHEET INDEX

SHEET NUMBER	SHEET TITLE
COVER	COVER SHEET
G101	GENERAL NOTE & LEGENDS
C100	EXISTING SITE PLAN
C101	PLAN & PROFILE
D100	CONSTRUCTION DETAILS

PROJECT DESCRIPTION:
BORE ACROSS HIGHWAY 550 WITH SANITARY SEWER AND CASING. TIE IN SEWER RUNNING NORTH TO SOUTH ALONG WEST R-O-W TO SEWER RUNNING NORTH TO SOUTH ALONG EAST R-O-W. ADD IN MANHOLE



PREPARED FOR:

CITY OF AZTEC, DEPARTMENT OF PUBLIC WORKS
610 WESTERN DRIVE
AZTEC, NM 87410
(505) 334-7660

APPROVED FOR THE CITY OF AZTEC:

STEPHEN MORSE
PUBLIC WORKS DIRECTOR
DATE

PREPARED BY:

MILLER ENGINEERS, INC. d/b/a
SOUDER, MILLER & ASSOCIATES
401 W BROADWAY AVENUE
FARMINGTON, NM 87401
ATTN: COLIN M. DALY, P.E.
PHONE: 505-325-7535

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

COLIN M. DALY, P.E.
PROJECT ENGINEER
DATE

UTILITY OWNERS

ENTERPRISE FIELD SERVICES, LLC
ATTN: MICHAEL WASZUT (505) 599-2214
614 REILLY AVENUE (505) 325-2841
FARMINGTON, NM 87401

CITY OF AZTEC - ELECTRIC UTILITY
ATTN: KEN GEORGE (505) 334-7600

CITY OF AZTEC - PUBLIC WORKS DIRECTOR/CITY ENGINEER
ATTN: STEPHEN MORSE (505) 334-7661

CENTURY LINK (TELEPHONE)
ATTN: LAWRENCE JOE (505) 325-2311
411 N ALLEN
FARMINGTON, NM 87401

NEW MEXICO GAS CO.
ATTN: RYAN HOLDEN (505) 324-3729
603 W. ELM ST.
FARMINGTON, NM 87401

COMCAST CABLE
ATTN: MARK JONES (505) 325-8749
1911 N BUTLER
FARMINGTON, NM 87401

BP AMERICA PRODUCTION CO.
ATTN: CLAYTON NASH (505) 326-9200

Rev #	Date	Description	By	Chk'd

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SOUDER, MILLER & ASSOCIATES
401 West Broadway Avenue
Farmington, NM 87401

Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 326-0045
www.soudermiller.com

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Cortez, Grand Junction, Lakewood, CO - Safford, AZ - El Paso, TX



GENERAL NOTES

- THE SITE WORK SHALL BE IN ACCORDANCE WITH ALL NEW MEXICO DEPARTMENT OF TRANSPORTATION (NMDOT) CODES FOR CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY.
- EXISTING UTILITIES ARE SHOWN BASED UPON INFORMATION AVAILABLE. THE CONTRACTOR SHALL VERIFY UTILITY LOCATIONS AND ELEVATIONS TO AVOID POTENTIAL CONFLICTS. THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION BY UTILITY COMPANIES MAY BE DONE CONCURRENTLY WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH CONSTRUCTION OPERATIONS AND SHALL COORDINATE THE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY COMPANIES, IN ORDER TO AVOID DELAYS DUE TO UTILITY WORK. THE CONTRACTOR SHALL PROVIDE FOR THESE CONTINGENCIES WHEN BIDDING THE PROJECT. **NO CLAIM FOR DELAYS DUE TO UTILITY WORK WILL BE ALLOWED.**
- THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH ALL UTILITY COMPANIES AND THE CITY OF AZTEC WITH REGARD TO RELOCATING, ADJUSTING, REPLACING, AND/OR REPAIRING UTILITIES DURING CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE CITY OF AZTEC PUBLIC WORKS DEPARTMENT, NMDOT, AND AZTEC FIRE DEPARTMENT, 24 HOURS BEFORE CONSTRUCTION ACTIVITIES BEGIN.
- THE CONTRACTOR SHALL SLOPE ALL TRENCHES AND SLOPES AS REQUIRED TO COMPLY WITH 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 SHALL BE RESPONSIBLE FOR PROVIDING ALL TRAFFIC CONTROL DEVICES AS MAY BE REQUIRED BY THE WORK UNDER THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE STREETS FREE AND CLEAR OF ANY DEBRIS THAT IS TRACKED FROM THE SITE.
- THE CONTRACTOR SHALL KEEP, AND UPDATE, AN AS-BUILT SET OF DRAWINGS DURING THE CONSTRUCTION OF THE PROJECT.
- PRIOR TO AND DURING CONSTRUCTION, ALL ACCESS ROADS SHALL BE SERVICEABLE AND MAINTAINED FOR FIRE PROTECTION AND EMERGENCY VEHICLE ACCESS.
- ALL EXISTING SIGNS, MILEPOSTS, AND DELINEATORS WITHIN THE CONSTRUCTION LIMITS SHALL BE REMOVED OR OFFSET BY THE CONTRACTOR AND REPLACED AT THE END OF CONSTRUCTION.
- THE CONTRACTOR SHALL MAINTAIN REASONABLE ACCESS TO ALL ADJACENT BUSINESSES AND PROPERTIES PROVIDING AN EASY RIDING CONNECTION TO TURNOUTS AND DRIVEWAYS AS DETERMINED BY THE CITY STAFF.
- THERE IS NO CONSTRUCTION CLEAR ZONE FOR THIS PROJECT. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE U.S. HWY 550 RIGHT-OF-WAY ON THIS PROJECT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
- ITEMS DESIGNATED FOR REMOVAL WITHOUT SALVAGE SHALL BE PLACED IN AN ENVIRONMENTALLY SUITABLE DISPOSAL SITE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS WILL BE DESIGNATED BY THE OWNER'S REPRESENTATIVE OR DESIGNEE. THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR REMOVAL OF STRUCTURES AND OBSTRUCTIONS AND THE CONTRACTOR WILL NOT RECEIVE ADDITIONAL COMPENSATION FOR UNLISTED REMOVALS.
- 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 REPORT ALL AND 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 THE ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE TEAM 827-4305 OR 470-3657 AND THE CITY STAFF. ANY SPILLS ASSOCIATED WITH THE PROJECT THAT ARE NOT REPORTED SHALL BE CLEANED-UP BY THE CONTRACTOR. THE CONTRACTOR SHALL BEAR ALL EXPENSES OF THE COST OF CLEAN UP OF SUCH UNREPORTED SPILLS.
- EXISTING FENCES, SIGNS, AND OTHER ITEMS OF PRIVATE PROPERTY FOUND TO BE WITHIN THE RIGHT-OF-WAY SHALL BE REMOVED AND RELOCATED TO THE RIGHT-OF-WAY LINE BY THE CONTRACTOR.
- 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 SURFACE IMPROVEMENTS WITH IMPROVEMENTS EQUAL TO THOSE REMOVED.
- THE RIGHT-OF-WAY BOUNDARY SHOWN ON THESE PLANS ARE ACCORDING TO DEED PLOTS AND PERSPECTIVE RIGHTS-OF-WAY, EXISTING FENCES AND/OR EDGE OF PAVEMENT.
- TOPOGRAPHY SHOWN ON THESE PLANS IS SHOWN ACCORDING TO FIELD LOCATION BY SOUDER, MILLER & ASSOCIATES, COMPLETED SEPTEMBER 6, 2017.
- THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL LABOR, MATERIALS, AND APPURTENANCES NECESSARY TO COMPLETE THE WORK INTENDED AND SHOWN ON THE DRAWINGS.
- PAVEMENT REPAIR SHALL BE TO THE STANDARDS OF NMDOT AND TO THE THICKNESS ACTUALLY FOUND ON ADJACENT PMPB AND BASE COURSE.
- SEWER LINE TO MAINTAIN A MINIMUM OF TWO (2) FEET CLEARANCE FROM ALL GAS LINES.
- THE CONTRACTOR SHALL NOTIFY NMDOT AND THE CITY STAFF BEFORE CONSTRUCTION OF THE SEWER LINE ACROSS MAJOR DRAINAGE STRUCTURES OR U.S. HWY. 550. AT AREAS WHERE CONFLICTS OCCUR, THE CONTRACTOR SHALL NOTIFY THE CITY STAFF, NMDOT, AND UTILITY COMPANIES TO COORDINATE A NEW ALIGNMENT.
- FINAL PAYMENT OF UNIT PRICED PAY ITEMS SHALL BE BASED ON INSTALLED QUANTITIES. IF THE DESIGN IS REVISED DURING CONSTRUCTION OR IF A QUANTITY CHANGE IS REQUIRED DUE TO ERRORS ON THE PLANS, THE PAYMENT SHALL BE BASED ON COMPUTED FIELD QUANTITIES MEASURED TO NEAT LINES AS APPROPRIATE.
- ADJUST ALL EXISTING MANHOLE LIDS AND VALVE BOXES WITHIN THE RIGHT-OF-WAY TO FINISH GRADE PER CITY OF AZTEC STANDARD D-311.
- PIPE LENGTHS SHOWN IN PROFILE VIEW ARE MEASURED FROM CENTER OF MANHOLE TO CENTER OF MANHOLE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE RESPECTIVE UTILITY COMPANIES PRIOR TO GRADING OR TRENCHING.

- THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES, CONDUITS AND STRUCTURES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF AVAILABLE RECORDS AND FIELD LOCATION WHERE POSSIBLE. THE POSITIONS ARE NOT WARRANTED TO BE ACCURATE. CONTRACTOR SHALL CONFIRM THE LOCATION OF ALL UTILITIES PRIOR TO START OF CONSTRUCTION AND NOTIFY THE OWNER'S REPRESENTATIVE OR DESIGNEE OF ANY CONFLICTS. CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITIES.
- PROFILE OF EXISTING AND PROPOSED GRADE IS AT THE SEWER LINE ALIGNMENT AND NOT AT ROAD CENTERLINE.

EROSION CONTROL NOTES

- CONTRACTOR SHALL PREPARE STORM WATER POLLUTION PREVENTION PLANS (SWPPP) AS REQUIRED BY STATE AND/OR FEDERAL LAW AND MAINTAIN THE SWPPP BEST MANAGEMENT PRACTICES (BMPs) THROUGHOUT CONSTRUCTION.
- EROSION CONTROL SHALL BE IMPLEMENTED TO PROTECT PROPERTIES AND PUBLIC FACILITIES FROM THE ADVERSE EFFECTS OF EROSION AND SEDIMENTATION AS A RESULT OF CONSTRUCTION ACTIVITIES.
- EROSION CONTROL DEVICES SHALL BE CHECKED AFTER EVERY STORM. REPAIRS OR REPLACEMENT TO THE INLET PROTECTION SHALL BE MADE AS NECESSARY TO MAINTAIN PROPER PROTECTION.

INCIDENTAL NOTES

- MEETINGS TO COORDINATE WITH UTILITY COMPANIES.
- REMOVE AND REPLACE SIGNS AND MILEPOSTS.
- REMOVE AND REPLACE FENCES.

COMPACTION REQUIREMENTS

PITRUN - 8 INCH MINUS PITRUN MATERIAL COMPACTED IN 8 INCH LOOSE THICKNESS UNTIL FULL DENSIFICATION IS ACHIEVED (FIELD OBSERVED CONDITION)

THE CONTRACTOR SHALL REVIEW & FOLLOW RECOMMENDATIONS PROVIDED IN THE FINAL GEOTECHNICAL ENGINEERING REPORT PREPARED BY TERRACON CONSULTANTS, INC. "EAST AZTEC ARTERIAL ROUTE" AUGUST 28, 2008

OVER-EXCAVATION: BACKFILL OF OVER-EXCAVATION TO SPECIFIED OR DIRECTED LINES SHALL BE COMPACTED TO SAME PERCENT COMPACTION AS EMBEDMENT MATERIAL OR UNDISTURBED FOUNDATION MATERIAL, WHICHEVER IS GREATER. IF THE IN-PLACE COMPACTION OF THE UNDISTURBED FOUNDATION MATERIAL IS GREATER THAN 95%, THE OVER-EXCAVATION BACKFILL MAY BE COMPACTED TO 95% MAX. DRY DENSITY (MODIFIED PROCTOR).

PIPE BEDDING MATERIAL: PLACE AND COMPACT PIPE BEDDING MATERIAL AS INDICATED ON DRAWINGS FOR GIVEN SOIL CLASSIFICATION, PIPE WALL THICKNESS, AND DEPTH OF COVER. IF NATIVE MATERIAL MEETS GRADING REQUIREMENTS AND IS USED, COMPACT TO 95% MAX. DRY DENSITY (MODIFIED PROCTOR).

INITIAL AND FINAL BACKFILL: FOR TRENCHES OUTSIDE OF ROADS, DRIVEWAYS, PARKING AREAS OR WASH CROSSINGS, COMPACT TO 95% MAX. DRY DENSITY (MODIFIED PROCTOR) OR TO A DENSITY EQUAL TO THAT OF THE ADJACENT UNDISTURBED SOIL, AS DIRECTED BY THE OWNER. FOR TRENCHES WITHIN THE DRIVING SURFACES OF ROADS, DRIVEWAYS OR PARKING AREAS (BOTH PAVED OR UNPAVED) OR WITHIN WASH CROSSING, COMPACT TO 95% MAX DRY DENSITY (MODIFIED PROCTOR).

CONTROL

THE CONTRACTOR SHALL ESTABLISH AND PRESERVE SECONDARY HORIZONTAL AND VERTICAL CONTROL.

PLAN CHANGES

SIGNED AND SEALED CONSTRUCTION DRAWINGS ARE PREPARED BASED ON EXISTING SITE CONDITIONS AND REGULATIONS PER THE SEALED DATE ON THE PLANS. DUE TO POSSIBLE CHANGES TO THE SITE, CODES, REGULATIONS, UNDERGROUND UTILITIES, ETC. BETWEEN THE SEALED DATE ON THE PLANS AND DATE OF CONSTRUCTION COMMENCEMENT, THE DESIGN AND RECOMMENDATIONS PROVIDED ARE LIMITED TO THE SEALED DATE ON THE PLANS. IF CHANGES TO ANY SITE CONDITIONS AND/OR REGULATIONS OCCUR BEFORE THE PROJECT CONSTRUCTION DATE, THE OWNER SHALL NOTIFY ENGINEER OF SUCH CHANGES AND OBTAIN THE ENGINEER'S OPINION AS TO THE COMPLETENESS OF THE PLANS AND SPECIFICATIONS. ANY SUCH CHANGE IN FIELD CONDITIONS AND/OR REGULATIONS MAY REQUIRE ADDITIONAL DESIGN SERVICES AND COMMENSURATE FEE INCREASE TO ACCOMMODATE SUCH CHANGES.

ANY SITE CONDITION THAT CHANGE AFTER THE SITE DESIGN SURVEYING IS COMPLETED, BUT BEFORE THE DESIGNED AND SEALED CONSTRUCTION PLANS ARE SUBJECT TO ADDITIONAL DESIGN SERVICES AND COMMENSURATE FEE INCREASE TO ACCOMMODATE SUCH CHANGES. IF THE OWNER IS AWARE OF SUCH CHANGES TO THE SITE, BUT DOES NOT DISCLOSE THIS INFORMATION TO THE ENGINEER, THE ENGINEER SHALL NOT BE HELD LIABLE FOR SUCH NON-DISCLOSURE.

ALL QUESTIONS REGARDING DESIGN INTENT, MODIFICATION, AND CLARIFICATION SHALL BE SUBMITTED IN WRITTEN FORM AS A REQUEST FOR INFORMATION (RFI) TO THE ENGINEER OF RECORD. THE ENGINEER SHALL NOT BE HELD LIABLE IF THE DESIGN IS ALTERED OR THE CONSTRUCTED IMPROVEMENT ARE APPROVED BY OTHERS.

THE ENGINEER WAIVES ANY AND ALL RESPONSIBILITY AND IS NOT LIABLE FOR PROBLEMS THAT ARISE FROM FAILURE TO FOLLOW THESE PLANS, SPECIFICATIONS, AND THE DESIGN INTENT THEY CONVEY.

LEGEND

EXISTING IMPROVEMENTS

---	CENTERLINE
---5800---	EXISTING CONTOUR, 1' INTERVALS
-x-x-x-	EXISTING FENCE LINE
----	EXISTING FLOW LINE
---GAS---	EXISTING GAS LINE
---	EXISTING GUARD RAIL
---	EXISTING WATER LINE
	EXISTING FIRE HYDRANT
	EXISTING POWER POLE
	EXISTING SANITARY MANHOLE
---	EXISTING SEWER LINE

PROPOSED IMPROVEMENTS

	NEW MANHOLE
---	NEW SEWER LINE

ABBREVIATIONS

COA	CITY OF AZTEC
CL	CENTERLINE
CMP	CORRUGATED METAL PIPE
EL	ELEVATION
EXIST	EXISTING
FL	FLOW LINE
INV	INVERT
LF	LINEAR FEET
ME	MATCH EXISTING
MIN	MINIMUM
NTS	NOT TO SCALE
PVC	POLYVINYL CHLORIDE
ROW	RIGHT OF WAY
SCH	SCHEDULE
SMH	SANITARY SEWER MANHOLE
TP	TOP OF PIPE

QUANTITIES

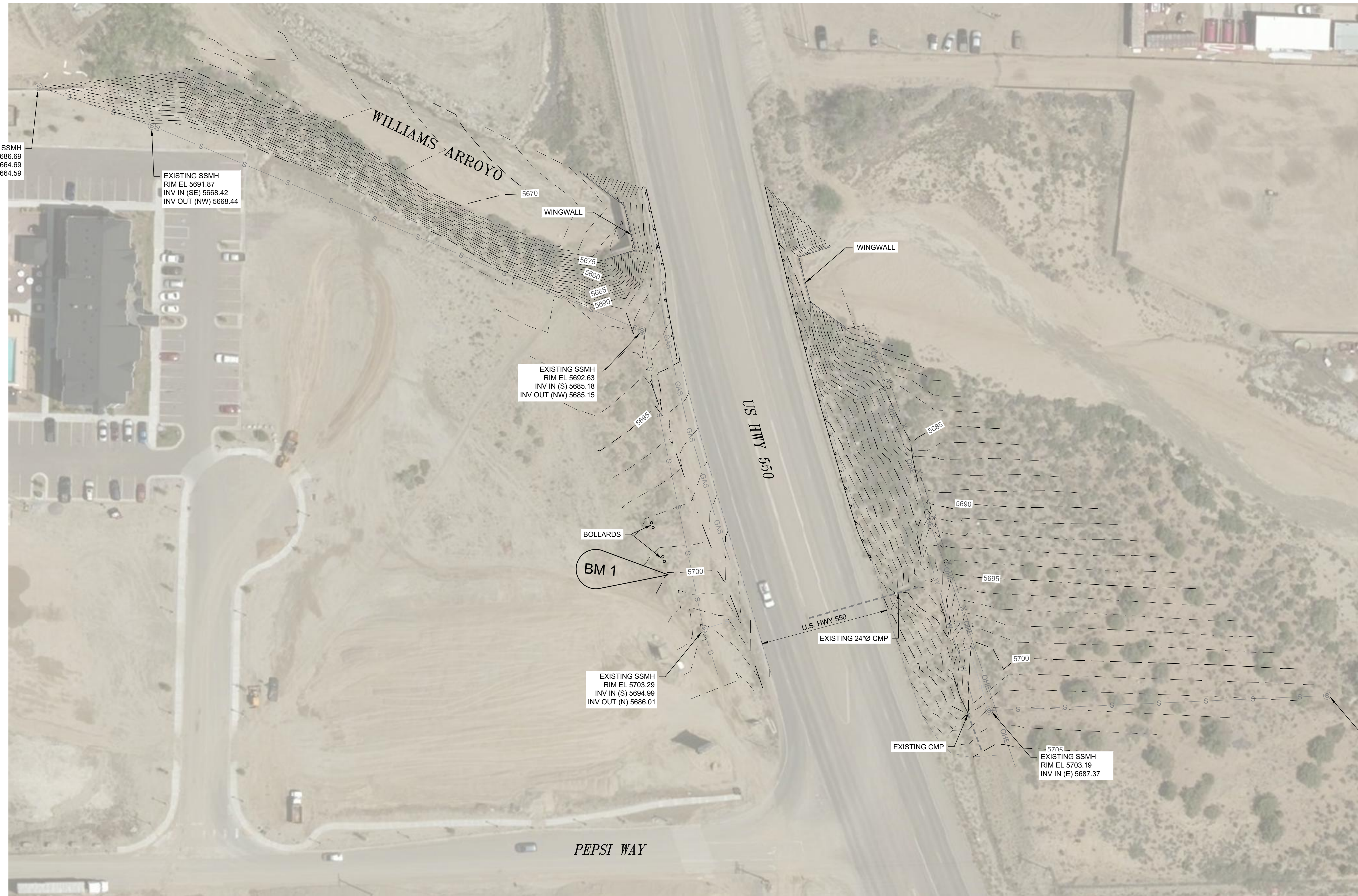
SEWER LINE

Item	Description	Quantity	Unit
1	12-IN PVC SDR-35 SEWER LINE ALL DEPTHS	197	LF
2	4-FT DIA SANITARY SEWER MANHOLE, 8-10-FT DEPTH	1	EA
3	24-IN SCH 40 STEEL CASING WITH 12-IN PVC SDR-35 RESTRAINED-JOINT SEWER LINE CARRIER PIPE, INCLUDING SPACERS & END CAPS	125	LF
4	4-FT DIA SANITARY SEWER MANHOLE, 14-16-FT DEPTH	1	EA

NOTES:

- CONTRACTOR'S BID SHALL INCLUDE FURNISHING TRENCHES, BEDDING, INSTALLING & BACKFILLING ALL COMPONENTS, ACCESSORIES AND APPURTENANCES TO INSTALL THE SEWERLINE.
- CARRIER PIPE WITHIN CASING MUST BE RESTRAINED-JOINT.

By		Checked		Description		Rev #	Date
SOUDER, MILLER & ASSOCIATES Engineering • Environmental • Surveying Serving the Southwest & Rocky Mountains 401 West Broadway Avenue Farmington, NM 87401 Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 326-0045 www.soudermiller.com							
AZTEC, NEW MEXICO SEWER TIE-IN U.S. HWY 550 GENERAL NOTE & LEGENDS							
THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED							
Designed	Drawn	Checked					
GYQ	DJB	CMD					
Date: April 2019							
Scale: Horiz: N/A							
Vert: N/A							
Project No: 9126219							
Sheet:							
G101							



EXISTING SSMH
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INV IN (SE) 5664.69
INV OUT (N) 5664.59

EXISTING SSMH
RIM EL 5691.87
INV IN (SE) 5668.42
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EXISTING SSMH
RIM EL 5692.63
INV IN (S) 5685.18
INV OUT (NW) 5685.15

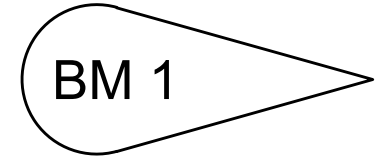
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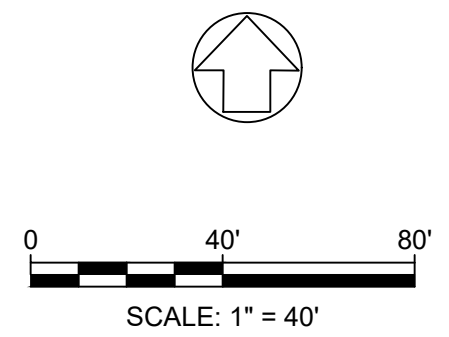
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BENCH MARK

HORIZONTAL AND VERTICAL CONTROL IS BASED U.S. STATE PLANE
1983 ZONE NM WEST 3003 GEOID MODEL GEOID 12B (CONUS).



N: 2112647.98
E: 2674303.68
ELEV: 5700.08
DESCR: RBC SMA REDCAP



Rev #	Date	Description	By

SMA
SOUDER, MILLER & ASSOCIATES
Engineering • Environmental • Surveying
Serving the Southwest & Rocky Mountains
401 West Broadway Avenue
Farmington, NM 87401
Phone (505) 325-7535 Toll-Free (800) 519-0098 Fax (505) 326-0045
www.soudermiller.com

AZTEC, NEW MEXICO
CITY OF AZTEC
SEWER TIE-IN
U.S. HWY 550
EXISTING SITE

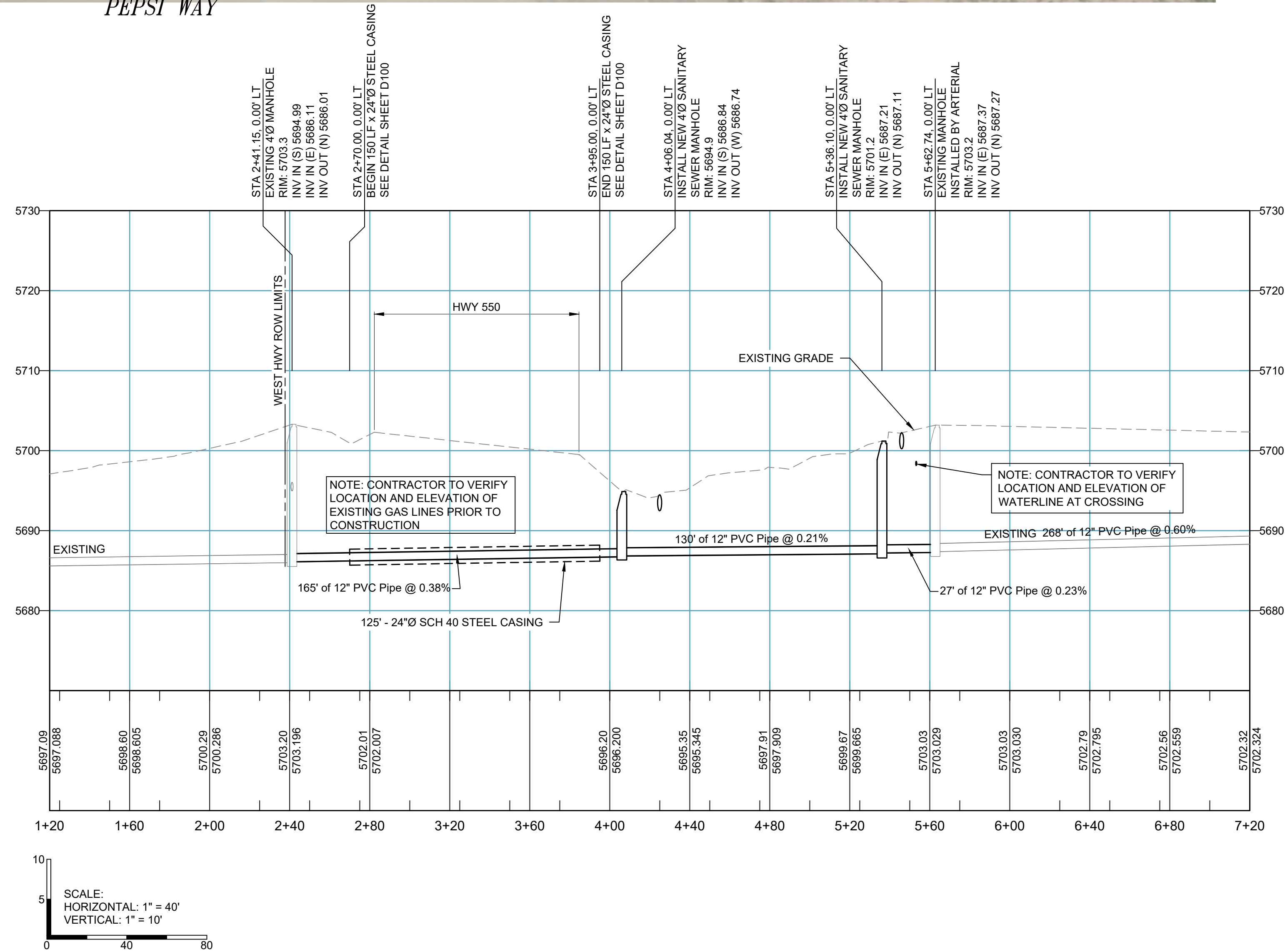
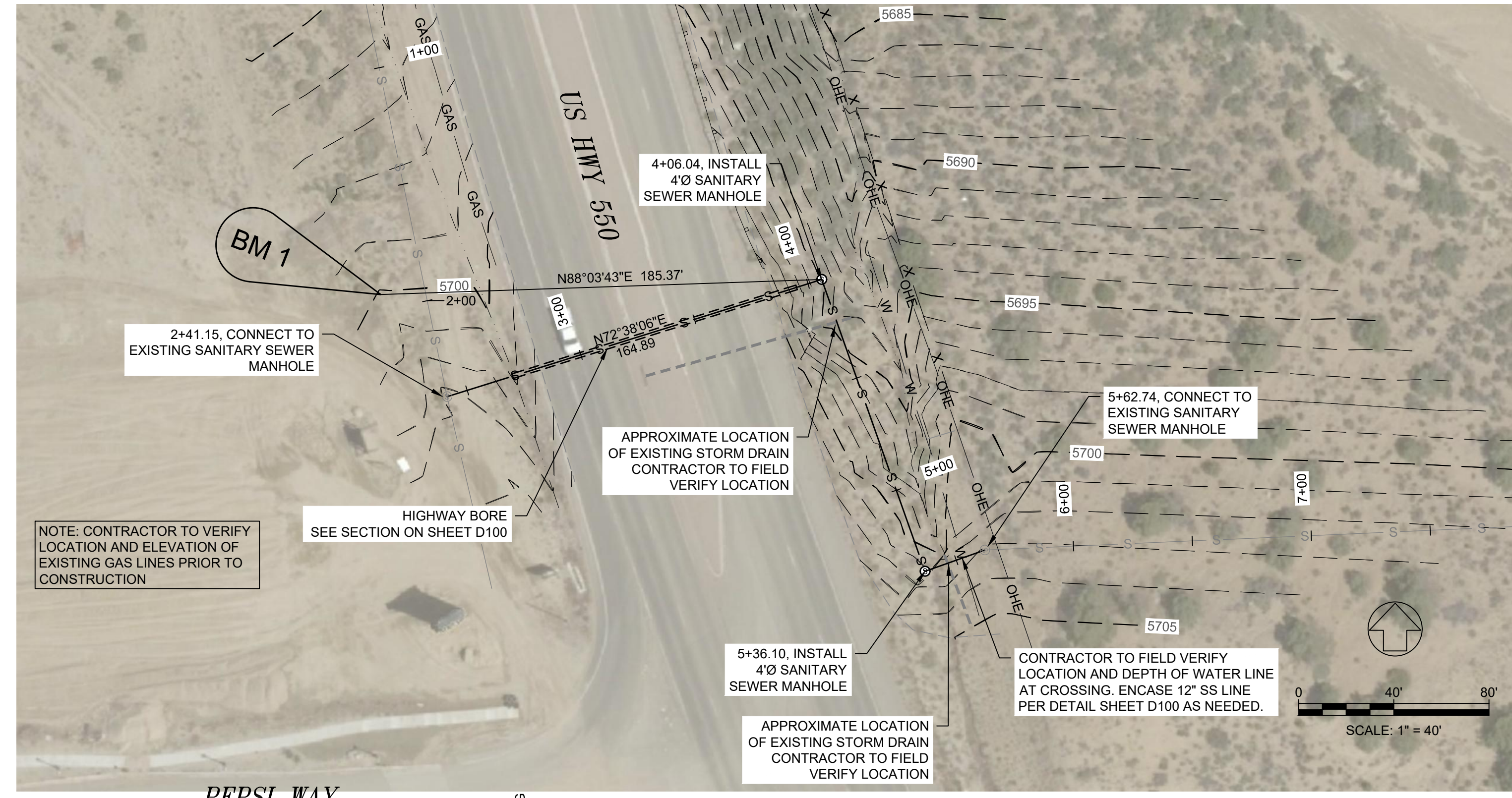
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STAMPED, SIGNED AND DATED

Designed	Drawn	Checked
GYQ	DJB	CMD

Date: April 2019
Scale: Horiz: 1" = 40'
Vert: N/A
Project No: 9126219
Sheet: C100

GENERAL NOTES

1. ROW LIMITS ARE SHOWN APPROXIMATE, CONTRACTOR TO VERIFY IN FIELD



Rev #	Date	Description	By	CHKD

SMA
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 Farmington, NM 87401
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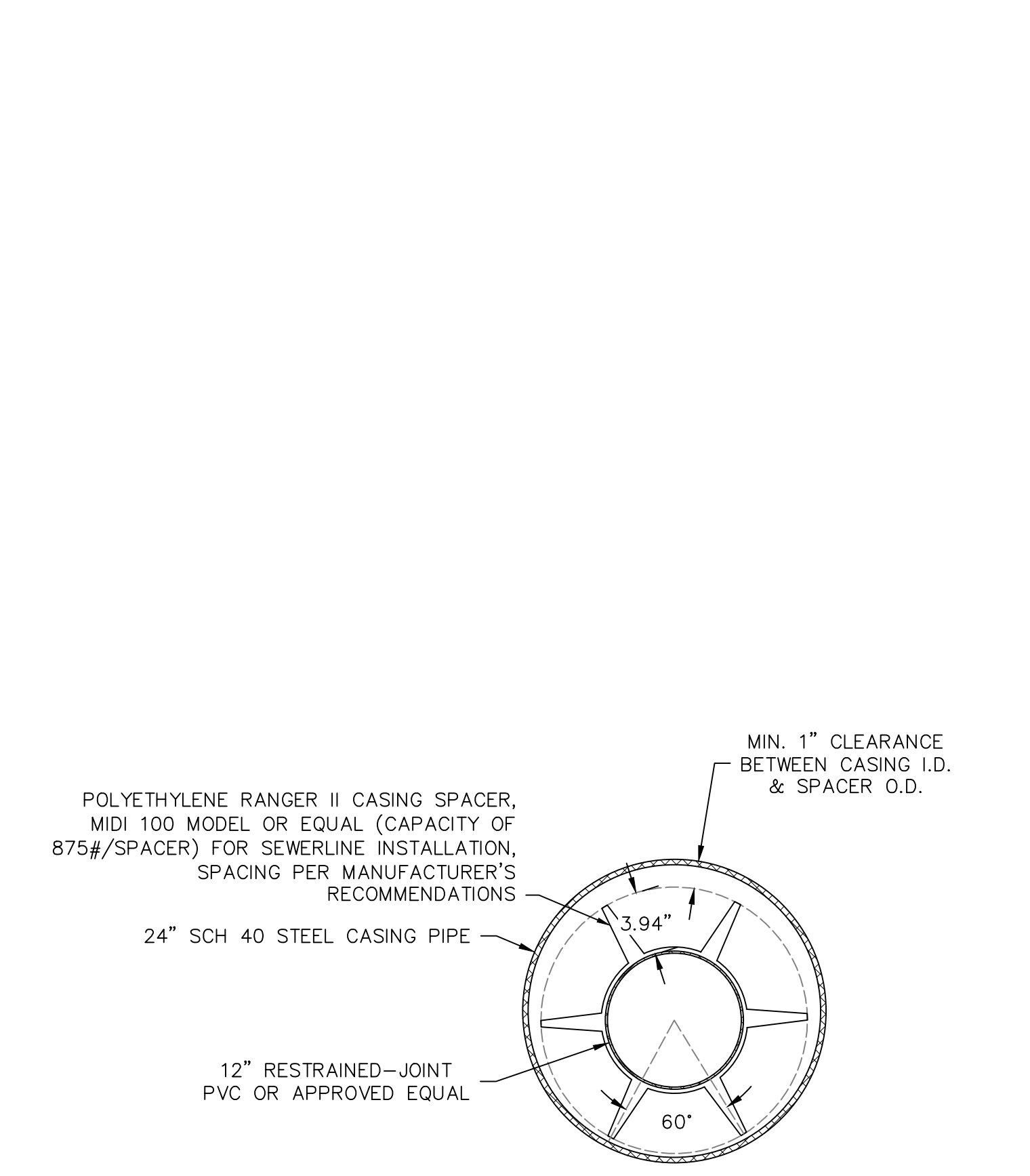
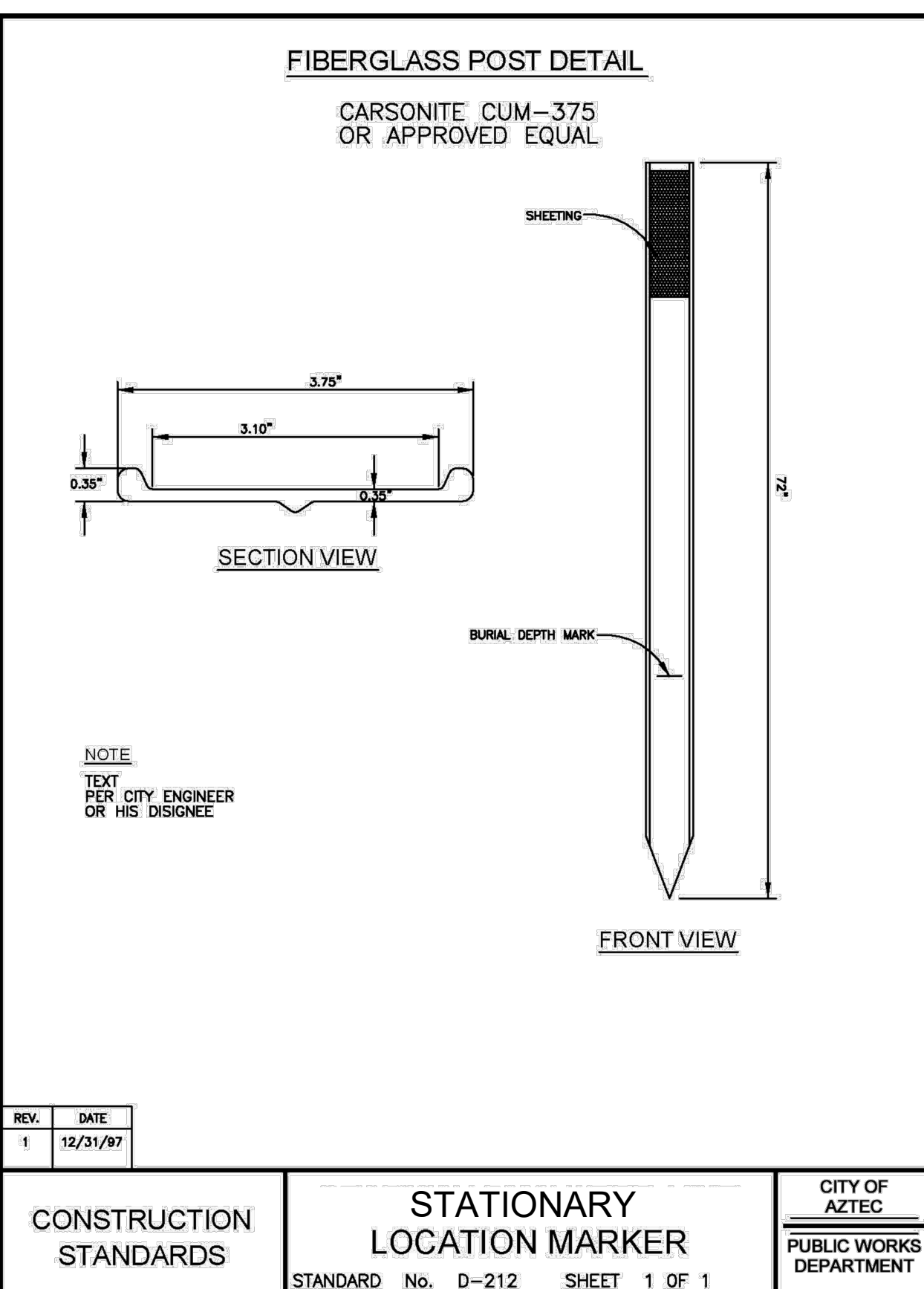
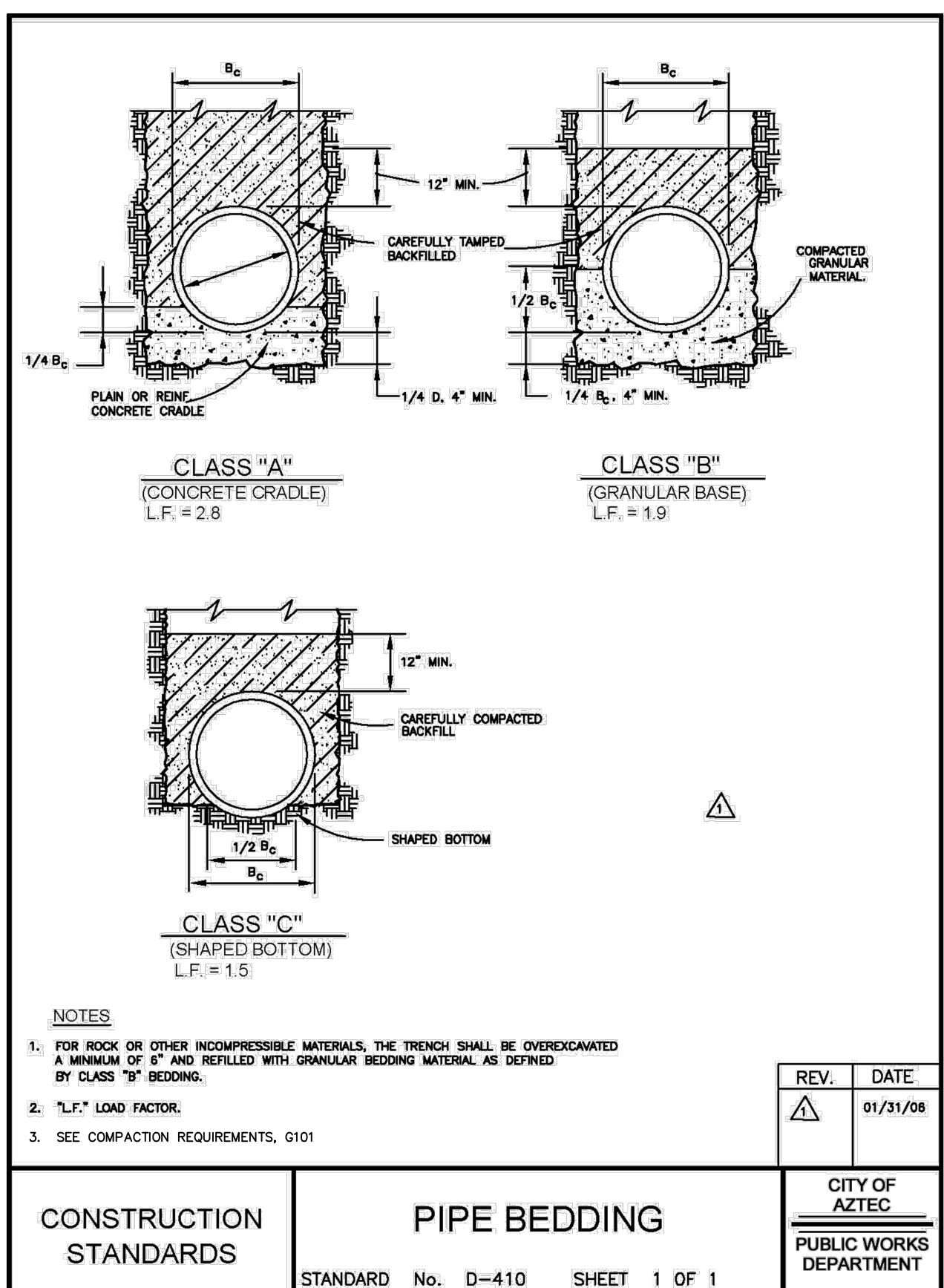
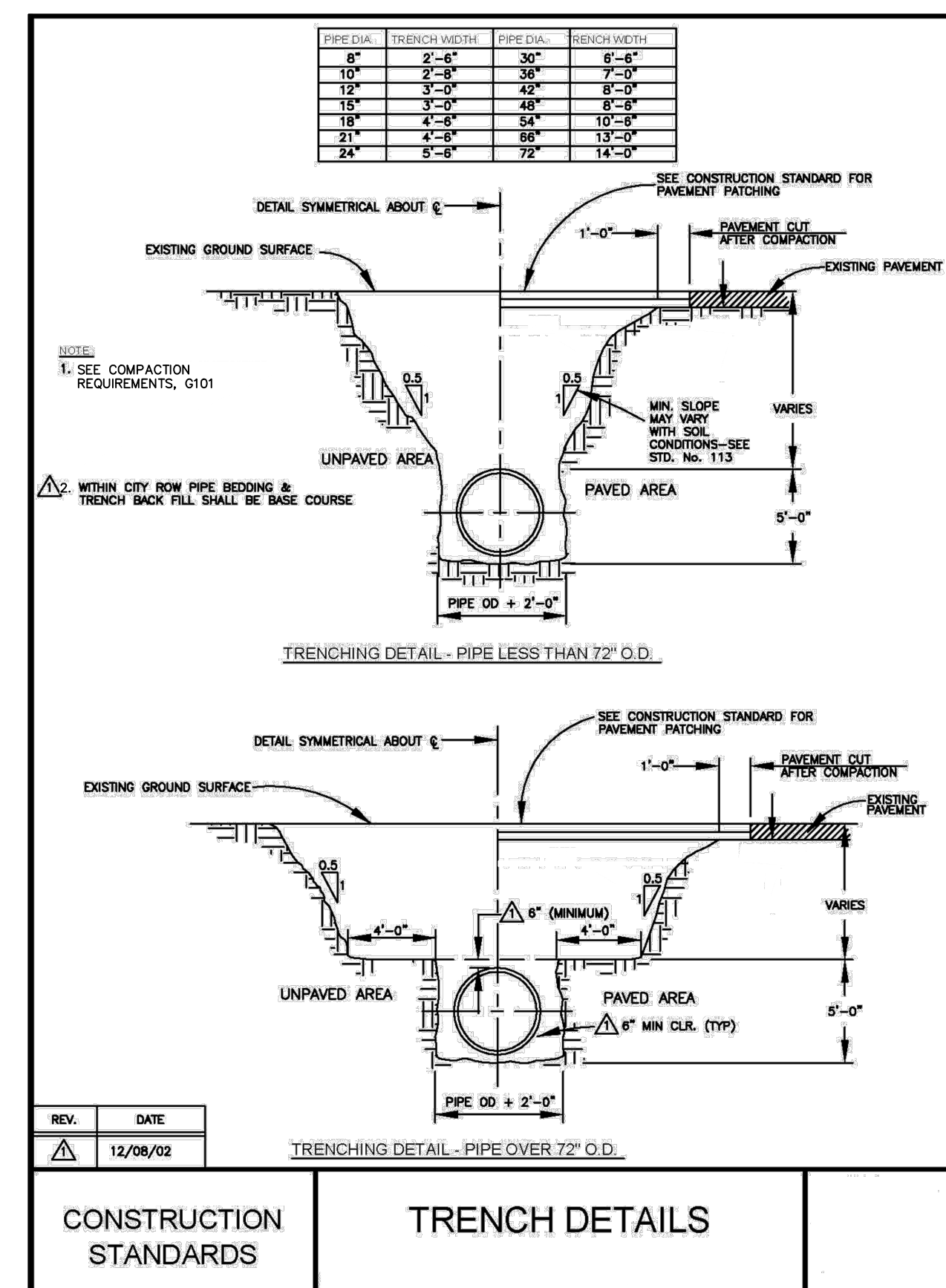
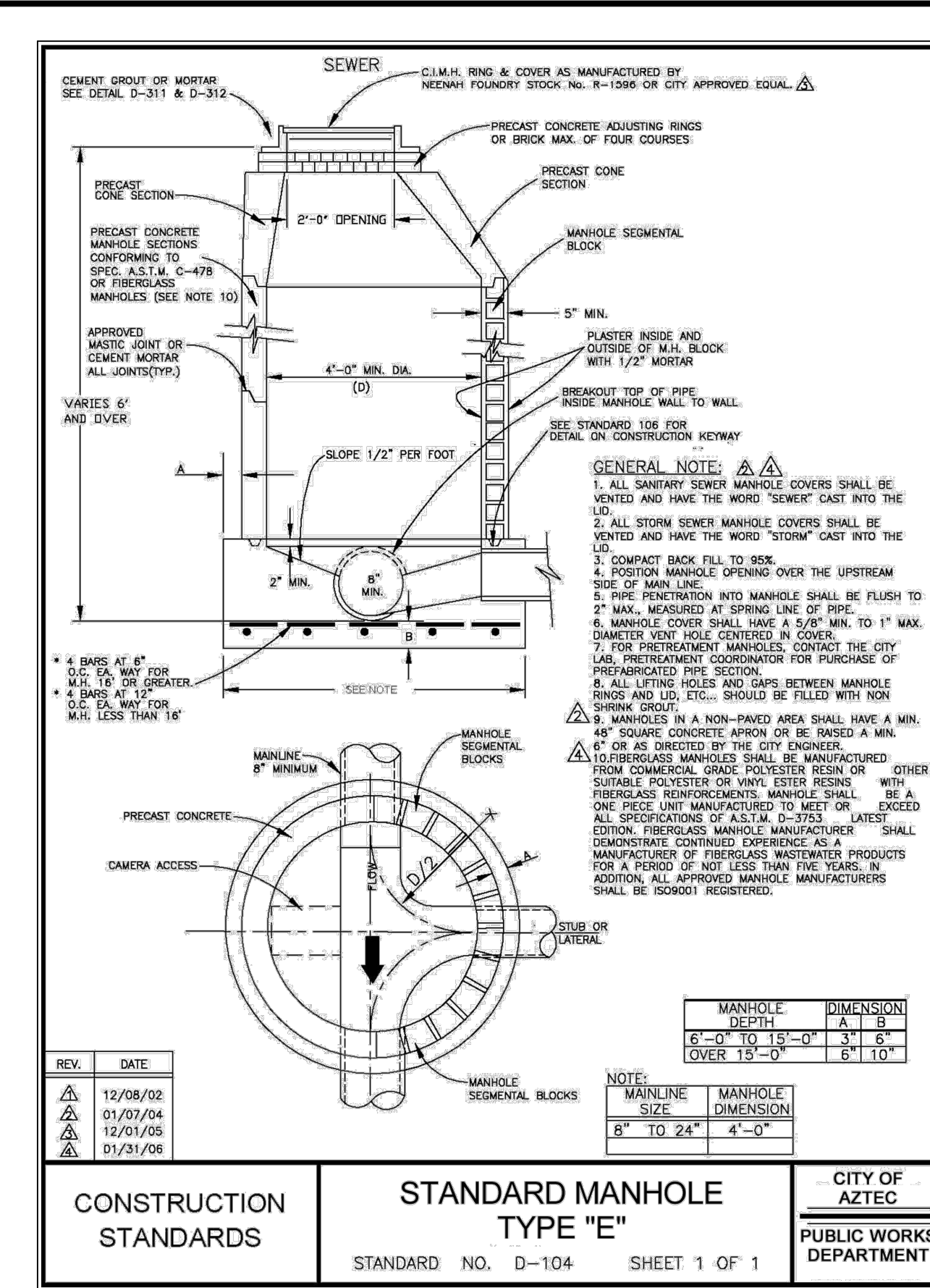
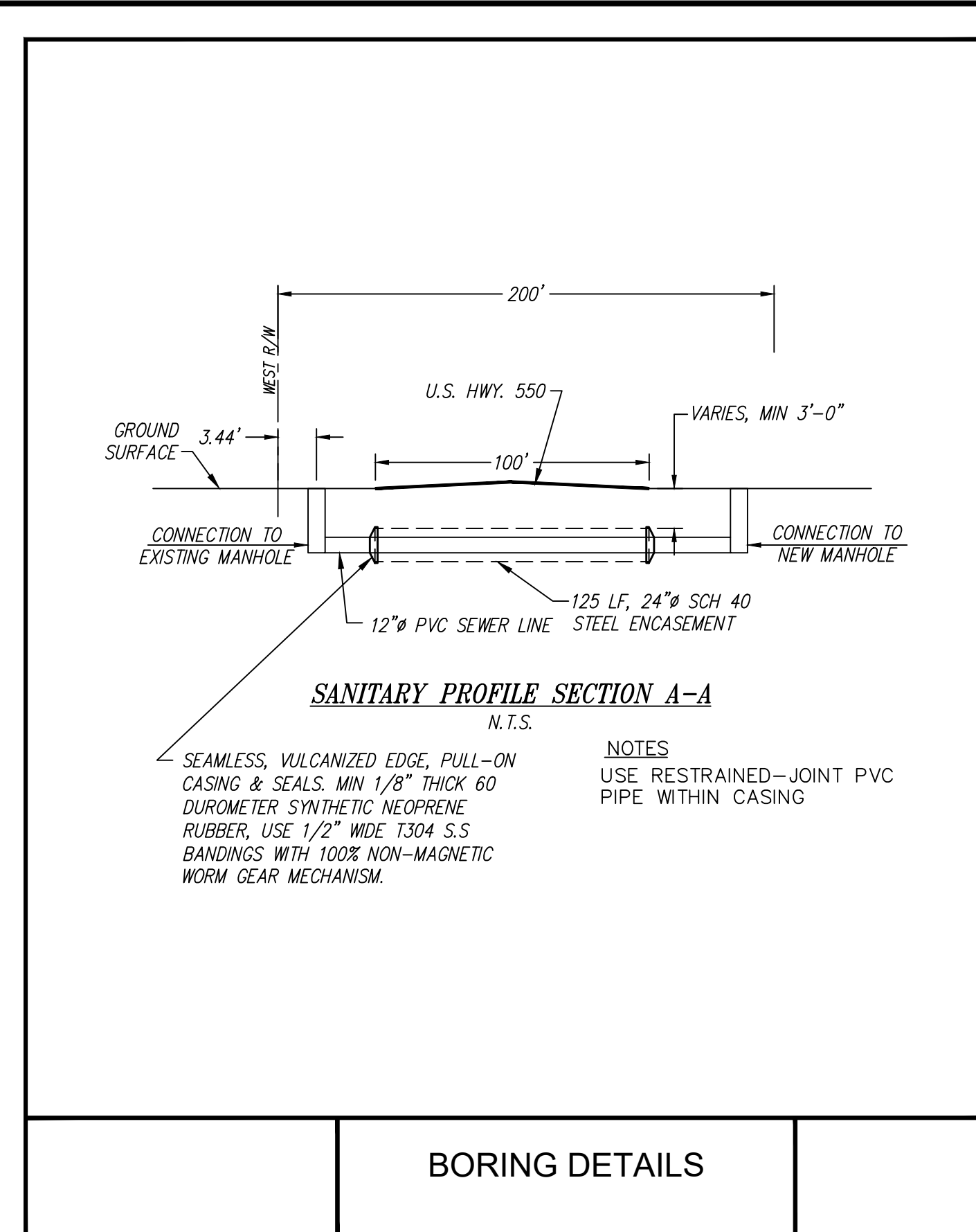
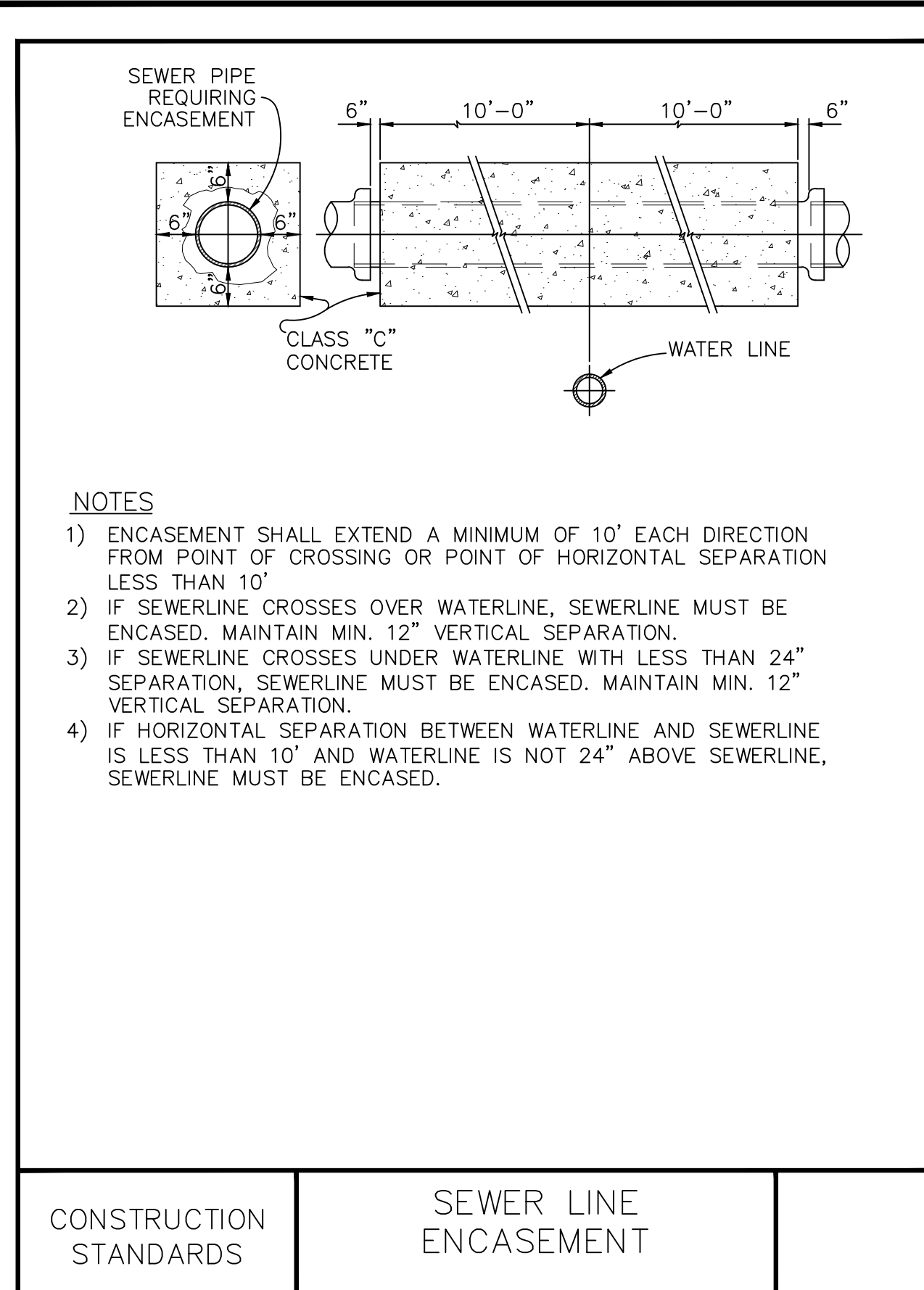
CITY OF AZTEC
 AZTEC, NEW MEXICO
**SEWER TIE-IN
 U.S. HWY 550
 PLAN & PROFILE**

Designed	Drawn	Checked
GYQ	DJB	CMD

Date: April 2019
 Scale: Horiz: 1" = 40'
 Vert: 1" = 10'

Project No: 9126219

Sheet:
C101



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SM&A

REV. DATE

1	12/08/02
2	01/01/04
3	12/01/05
4	07/21/06

CONSTRUCTION STANDARDS

STANDARD MANHOLE TYPE "E"

STANDARD NO. D-104 SHEET 1 OF 1

CITY OF AZTEC

PUBLIC WORKS DEPARTMENT

CONSTRUCTION DETAILS

SEWER TIE-IN

U.S. HWY 550

CONSTRUCTION DETAILS

REV. DATE

1	12/08/02
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CONSTRUCTION STANDARDS

TRENCH DETAILS

STANDARD No. D-410 SHEET 1 OF 1

CITY OF AZTEC

PUBLIC WORKS DEPARTMENT

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Designed: GYQ Drawn: DJB Checked: CMD

Date: April 2019

Scale: Horiz: N/A Vert: N/A

Project No: 9126219

Sheet: D100

**APPLICATION FOR PERMIT TO INSTALL UTILITY FACILITIES
WITHIN PUBLIC RIGHT OF WAY**

TO: NEW MEXICO DEPARTMENT OF TRANSPORTATION
P.O. Box 1149
SANTA FE, NEW MEXICO 87504-1149

Permit No. _____
_____ Permit Renewal
_____ Relocation
_____ Remain in Place
_____ New Installation
_____ Out of Service

1. Pursuant to New Mexico Statutes Annotated, 1978 Compilation, Sections 67-8-13 and 55-2-7, and 17.4.2 NMAC
the undersigned
City of Aztec

Address: 201 W. Chaco, Aztec, New Mexico, 87410

herein makes application to use highway rights of way to install:

Size and Type of Facility Underground 24" Diameter Steel Casing Bore Beneath Highway

in the following location: N.M. Project No. _____ Route No. _____

Highway MP/GPS 158.44 to Highway MP/GPS 158.50

San Juan County, Section 16, Township T30N, Range R11W

- 2. For the purpose of this application "within" shall be construed as meaning "on, upon, over, under, across or along."
 - a. "Engineer" shall be construed as meaning the District Engineer of the New Mexico Department of Transportation of the District Engineer's Representative.
 - b. "Applicant shall be construed as meaning the individual, firm, corporation, association, governmental subdivision, or other organization making application, or the successors of any of the above.
 - c. "Facility" shall be construed as meaning, but not limited to any publicly, privately, cooperatively, municipally or governmentally owned facility used for carriage, distribution or transmission or water, gas or electricity, oil and products derived therefrom, sewage, stream or other projects carried by means of pipelines, conduits, wires, culverts, ditches, conveyors or other methods.
 - d. If application is for a parallel installation, justification as to why private right may be utilized must be furnished.

3. Applicant proposes to relocate install leave facility 165 feet within the
Highway 550 right of way line. The proposed installation shall be:

<u>Crossing</u>	<u>Subsurface</u>	<u>Boring</u>
(Crossing or Parallel)	(Subsurface or Overhead)	(Boring, Jacking, or Pavement Cuts)

- a. If applicant requests installation by pavement cut, complete justification therefore shall be submitted by attachment.
- b. Where application for pavement cut is justified, the application may be held in abeyance pending receipt of cash bond in an amount to be fixed by the Engineer.

4. There is attached hereto a diagrammatic dimensioned drawing showing the location of existing and/or proposed installation referenced to roadway and right of way, right of way lines, any access control lines, distance of proposed installation above, or below grade, highway stationing, identification of materials to be used and any other pertinent data. If application is for parallel installation, nature of adjacent land use must be shown. Proposed installations on or in bridges or other structures, or for the installation of any structures, shall require detailed structural drawings.

5. Applicant desired this permit to be in affect for 25 years. Permit shall not be issued for a period longer than 25 years, and must be renewed upon expiration. The burden of timely renewal is on the Applicant. The Applicant shall formally notify the engineer of actual commencement and completion of construction of the installation. The Applicant shall also formally notify the Engineer of removal or abandonment of the facility, or relinquishment of the permit.

6. This application shall be validated as a permit upon the signing of the application by the Engineer and returned it to the Applicant. The granting of this permit shall not be construed as granting any easement of property right.
7. Servicing of facilities shall not be permitted within the access control lines on any controlled access project. Should an emergency occur, the Applicant shall notify the Engineer and shall provide such flagmen, flashers, warning or other safety devices as required by the Engineer. All routine maintenance shall be performed from outside any access control lines.
8. The relocation or installation of facilities within public right of way shall be in strict conformance with all **application provisions of regulations of the New Mexico Department of Transportation 17.4.2 NMAC**, all provisions of this application, drawing and the Instructions for Utility Permits, as they may be modified by the Engineer, and no departure therefrom may be made without the written consent of the Engineer. All facilities shall be so placed that they will not interfere with or endanger any roadway features or other existing facilities. All construction of facilities shall be subject to the inspection and approval of the Engineer. All such work shall be performed so that danger, inconvenience and delay to the traveling public will be held to a minimum. Protection and handling of traffic during the installation are the responsibility of the Applicant and must be approved by the Engineer.
9. The Applicant shall, except as otherwise ordered by the Engineer, restore the right of way, and all bridges or other structures thereon or adjacent thereto which have been altered or affected by facility installation performed hereunder, in accordance with sound construction practices and the Engineer's specifications, and shall cause the work to be done in a workmanlike manner, if any damage is caused to the highway right of way or to any bridge, structure or improvement thereon or adjacent thereto by reason of the design installation, maintenance alteration or removal of such facilities or other appurtenances, the Applicant shall reimburse the Engineer the full amount thereof promptly upon demand by the Engineer provided, however, that the obligation imposed under this paragraph shall not apply in the event the damage resulted from causes beyond the control of the Applicant or its contractors or its consultants. All such facilities located within the right of way shall at all times be kept in such repair so as not to damage the highway, inconvenience or endanger the traveling public and shall be kept free of advertisement, posters and the like.
10. Should the Applicant at the time fail to promptly and fully perform any of the obligations imposed hereby and after thirty (30) days written notice thereof, the Engineer may, at his option (a) cause the obligations to be fully carried out and performed, and the Applicant shall promptly reimburse the Engineer for all costs and expenses incident thereto, or (b) summarily order the removal of such facility and if the Applicant fails to comply with that removal order within a reasonable time, the Engineer may direct the removal of the facility with all costs and expenses thereto to be borne by Applicant.
11. If by reason of any change in the location, construction, grade or by any other matter affecting the highway upon which any facility is located because of changing traffic conditions or otherwise, it shall become advisable in the opinion of the engineer that said facility be removed, relocated or otherwise modified, the utility, upon written notice from the engineer, shall provide all horizontal and vertical datum including pothole information, size and type of material, and condition of material. If necessary the utility shall remove, relocate or modify such facility without undue delay in such manner as the engineer may direct or approve, at the utility's expense and at no cost to the engineer. All facilities located on public right-of-way under the dual jurisdiction of the state and a subordinate governmental entity shall comply with all applicable rules and regulations of such entity properly and lawfully in force and including but not limited to provisions of local franchises not in conflict with the rules and regulations of the engineer. The engineer makes no warranty, either express or implied, as to the continued existence of any highway in any particular location and expressly assumes no obligation with regard to the facility upon change, vacation or abandonment of any highway or portions thereof.
12. Neither the making of this application nor anything herein contained shall constitute a waiver on the part of the Applicant of any rights or claims had or made by some with respect to the occupancy of the streets and highways under the Constitution and Laws of the State of New Mexico, nor shall anything herein contained in any prejudice or impair any rights or claims existing independent of this application with respect to the construction, operation, and maintenance of the Applicant's facilities in the State of New Mexico.
13. The utility owner must indemnify and hold harmless the New Mexico Department of Transportation from loss due to any negligent act of the utility, the utility's employees, any agent acting on the utility's behalf, and anyone else engaged by the utility to work on the utility installations, maintenance or relocations of their facilities. Any contractor or subcontractor engaged by the utility to perform utility installations or relocations in conjunction with or prior to highway construction must also indemnify and hold harmless the New Mexico Department of Transportation from loss due to any negligent act of the utility's contractor or subcontractor.
14. Each copy of the application shall be signed by the Applicant as an individual owner or by any official designated to execute such Documents.

15. Utility owners shall carry insurance in amounts not less than those below specified and as outlined in 17.4.2 NMAC and the Standard Specifications for Highway and Bridge Construction, 2019 Edition, (hereinafter, "Specifications"), as may be updated from time to time. In the event of conflict between the specification, and the regulations, owner shall carry the largest amount of insurance. If a utility is self-insured, the utility shall provide an Owner's Protective Liability Insurance Policy, in favor of the Department, in the amounts below specified. **Department as additional named insured:** The utility, is contractor or subcontractor shall have the New Mexico Department of Transportation added as an additional named insured on the Comprehensive General Liability Form or Commercial General Liability Form furnished by the Utility.

This application is hereby granted subject to all provisions herein and including the following special provisions, changes or amendments:

The utility shall provide "as-built" horizontal and vertical location information in hard copy and electronic file (AutoCAD DWG (3D)). The standard horizontal datum shall be North American Datum 1983 (NAD83) and the standard projections shall be the New Mexico State Plane Coordinate System 1983 (NMSPCS83). The standard vertical datum shall be North American Vertical Datum 1988 (NAVD 1988). The utility location information shall be tied to Department monuments and referenced to highway mileposts and/or GIS coordinates and certified by a New Mexico Registered Land Surveyor. Metadata or "data about the data" shall be submitted with each utility's as-built electronic file, preferably as a separate text file on the electronic submittal media, and shall include: 1. District Utility Permit Number. 2. Name, address and phone number of the responsible land surveyor. 3. Date of completion of survey. 4. Equipment used to conduct the Survey. 5. Horizontal and vertical control marks used to tie the survey to the NMSPC83 and NAVD88. 6. Ground to Grid combined scale factor used. 7. Elevations shall be provided every 500 feet and at all survey break points, including all high and low points.

Note: Highway projects are time sensitive therefore, permit information requested from Authorization to Engineer Letters must be returned by the date indicated within the Authorization to Engineer letter.

16. Any utility qualifying for reimbursement shall relocate in accordance with and pursuant to MAP-21; <http://www.fhwa.dot.gov/construction/contracts/buyam-qa.cfm> and (23U.S.C313)
Applicant/Utility Owner certifies we are in compliance with Buy America for said facility and agrees and understands non-adherence will void said permit.

Applicant Greta Quintana, P.E.

By 

Title Professional Engineer

Approval of this permit is hereby given this _____ day of _____, 20_____

NEW MEXICO DEPARTMENT OF TRANSPORTATION

By _____



WORK AREA

Pepsi Way

Hwy 550

550

Google Earth

© 2017 Google

REVIEWED

Form No. A-65

By Kasey Flavin at 3:44 pm, Feb 15, 2018

CULTURAL RESOURCE INVENTORY
NOT REQUIRED
NMDOT, ENVIRONMENTAL SECTION



New Mexico
TRANSPORTATION
MOBILITY FOR EVERYONE

Contact NMDOT Environmental Bureau if archaeological deposits are encountered (artifacts, bone, black sediment).

Environmental Clearance for Undertakings within NMDO

ENVIRONMENTAL SURVEY
NOT REQUIRED
NMDOT, ENVIRONMENTAL SECTION

In order to receive environmental clearance for permitted projects in high following information will need to be submitted to the NMDOT Environmental Design Division. Submittals (usually) are reviewed Tuesday of each week. Submittals received on Tuesday will not be reviewed until the following Tuesday. Emergency requests are handled on a case-by-case basis.

1. **Purpose and Nature** of undertaking. Describe the undertaking along with width, length and depth of ground disturbance. Include the methods and machinery to be used.
2. **Is your project resulting from a NMDOT project?** If so, provide the control and/or project number.
3. **Funding Source.** Is the funding private, state or federal? If state and/or federal, list agency(s).
4. **Land status.** Is the project on the right-of-way owned by BLM, Forest Service, Tribal land or State Trust land? (NMDOT does not own all highway rights-of-way!)
5. **Permitting agencies.** List other permitting agencies involved besides NMDOT.
6. **County.** List the county or counties in which the project is located.
7. **Highway number.** Indicate the highway, the project will cross or parallel.
8. **BOP and EOP.** Provide the milepost locations for the beginning of the project area (BOP) and the end of the project area (EOP). If highway crossing only, list the milepost location, indicate BOP and EOP on quadrangle maps as well.

9. **Side(s)** of the road. Indicate of which side of the road the project will be located using cardinal directions (north, south, east, west). List all project crossings of the highway by milepost.

10. **Length** of the project. Indicate the length of the project within NMDOT right-of-way in terms of feet and/or miles.

11. **Provide the legal description** of the project area: Township, Range, and Section(s).

12. **USGS 1:24,000(7.5') Quadrangle map.** List the name(s) of the USGS quadrangle map(s) on which the project is located.

13. Include the appropriate portion of the **USGS 1:24,000 (7.5') Quadrangle map(s)** with the project area indicated by an **X** if a crossing, or **BOP** and **EOP** if linear. **Do not reduce or enlarge.** Quad map images can be printed at no charge from the website <http://terraserver.usa.com/>.

14. **Do not** send photos (including aerial photos or photo maps) unless they are scanned or sent via US Mail. Faxed photos come out entirely black.

15. Include your name, company (if applicable), phone #, fax # and email address (if you use one).

16. Submit your requests by email, by fax **OR** by mail. Send in one format only- **DO NOT** send in multiple formats.

Send clearance requests to:

Genevieve Head, NMDOT-Environmental Design Division

1129 Cerrillos Road/P.O. Box 1149

Santa Fe, NM 87504

(for FedEx or UPS the ZIP code is 87501)

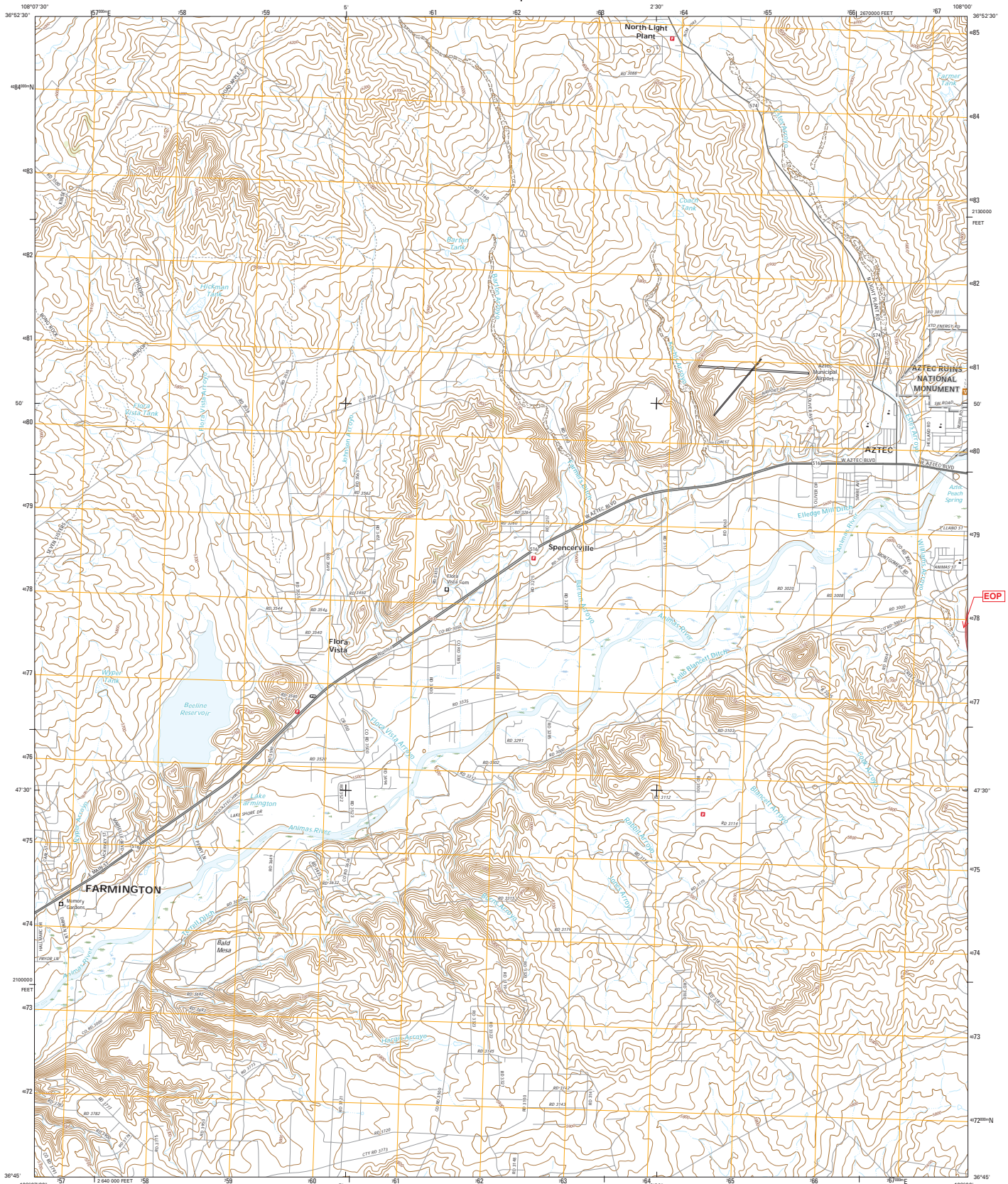
Phone: (505) 827-5356; **Fax:**(505) 827-0417; **Email:** genevieve.head@state.nm.us



U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

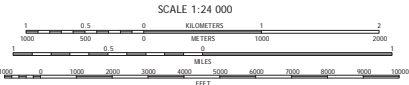
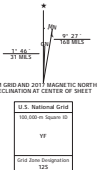


FLORA VISTA QUADRANGLE
NEW MEXICO-SAN JUAN CO.
7.5-MINUTE SERIES



EOP

Produced by the United States Geological Survey
North American Datum of 1983 (NAD83)
World Geodetic System of 1984 (WGS84). Projection and
1 000-meter grid. Universal Transverse Mercator, Zone 13S
10 000-foot ticks. New Mexico Coordinate System of 1983 (west
zone)
This map is not a legal document. Boundaries may be
generalized for this map scale. Private land owner
reservations may not be shown. Obtain permission before
entering private lands.
imagery: NIP, September 2014
Roads: U.S. Census Bureau, 2015
Names: ONS, 2016
Hydrography: National Hydrography Dataset, 2014
Contours: National Elevation Dataset, 2001
Boundaries: Multiple sources; see metadata file 1972_2016
Public Land Survey System: 1884
Wetlands: FWS National Wetlands Inventory 1977 - 2014



SCALE 1:24 000
CONTOUR INTERVAL 20 FEET
NORTH AMERICAN VERTICAL DATUM OF 1983
This map was produced to conform with the
National Geospatial Program US Topo Product Standards, 2011.
A metadata file associated with this product is draft version 6.6.19



ROAD CLASSIFICATION

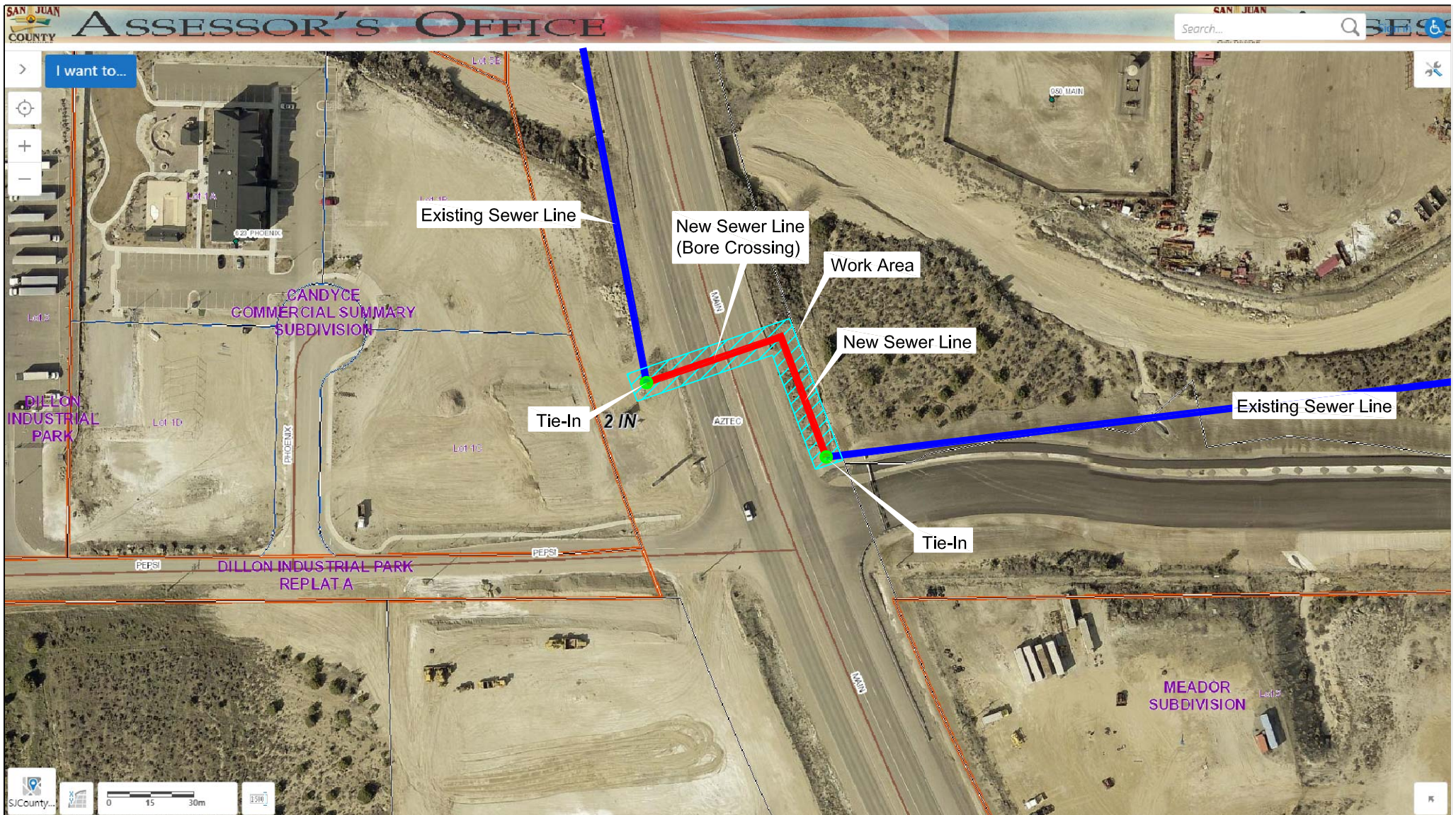
Expressway	Local Connector	State Route
Secondary Hwy	Local Road	
Ramp	4WD	
Interstate Route	US Route	

1	2	3	1 La Plata
4	5	3 Adobe Downs Ranch	
6	7	5 Farmington North	
8	8	4 Farmington South	
		6 Horn Canyon	
		8 Blandford	

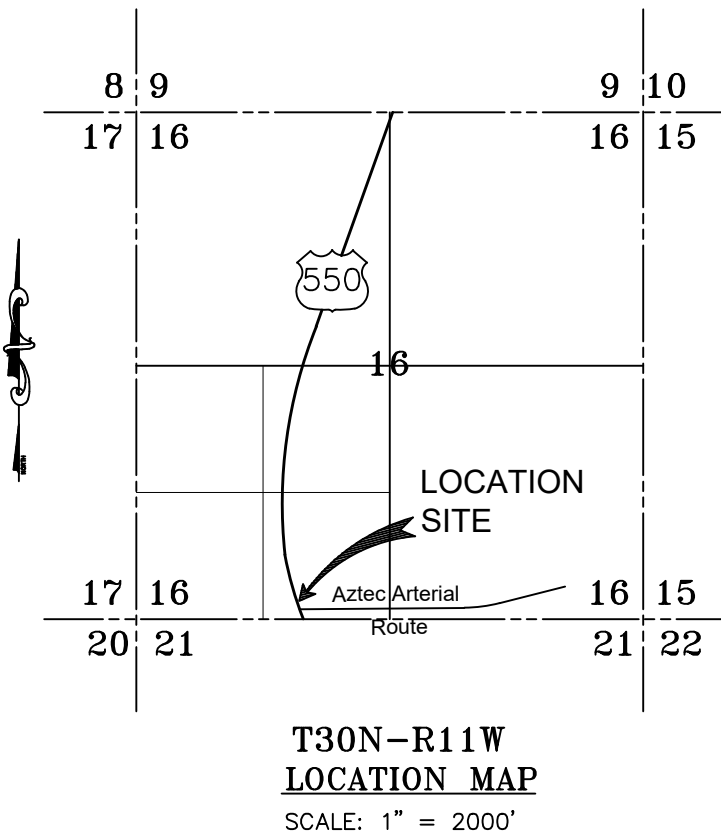
FLORA VISTA, NM
2017



EXHIBIT 1



CITY OF AZTEC SANITARY SEWER TIE IN

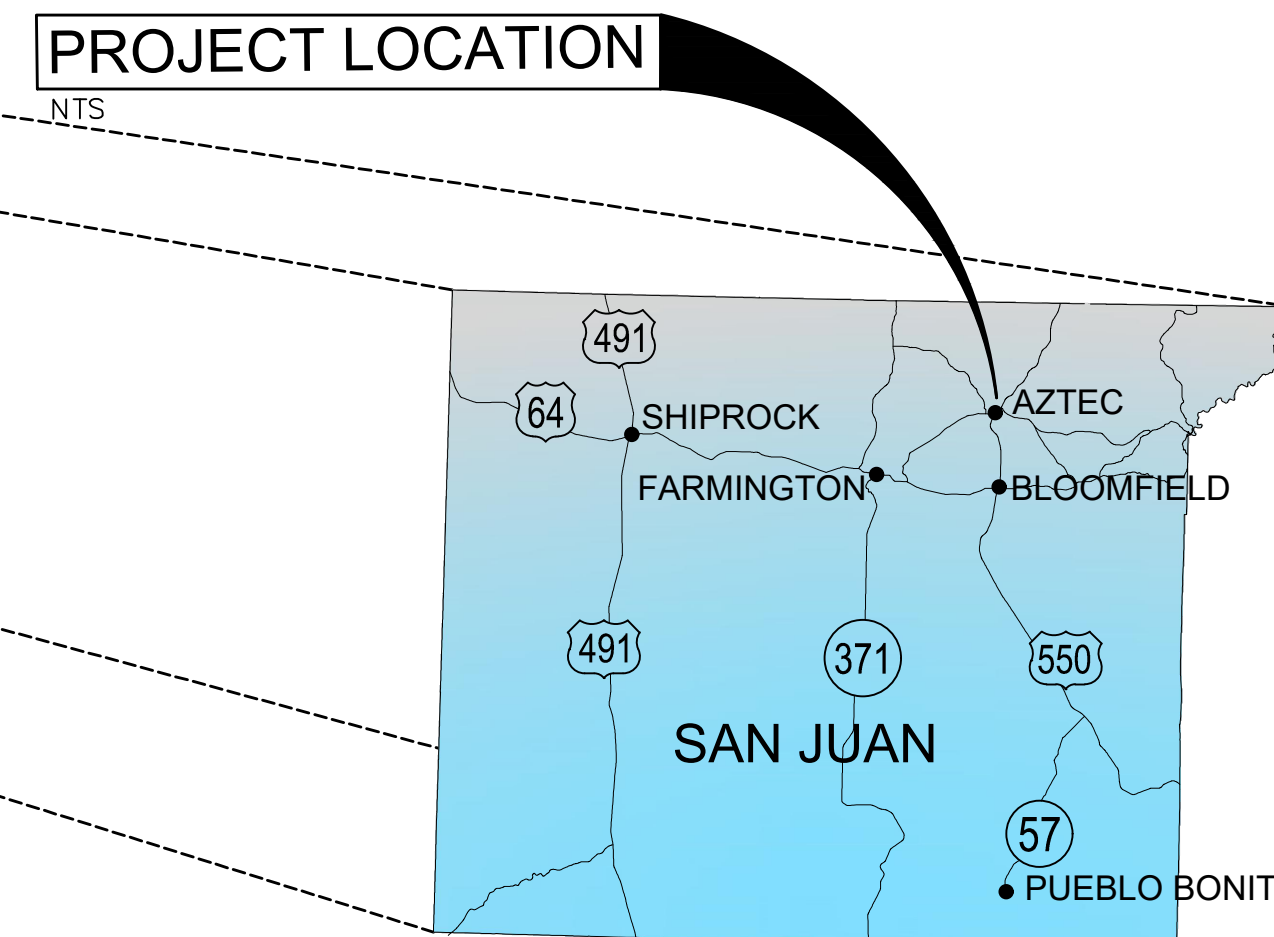
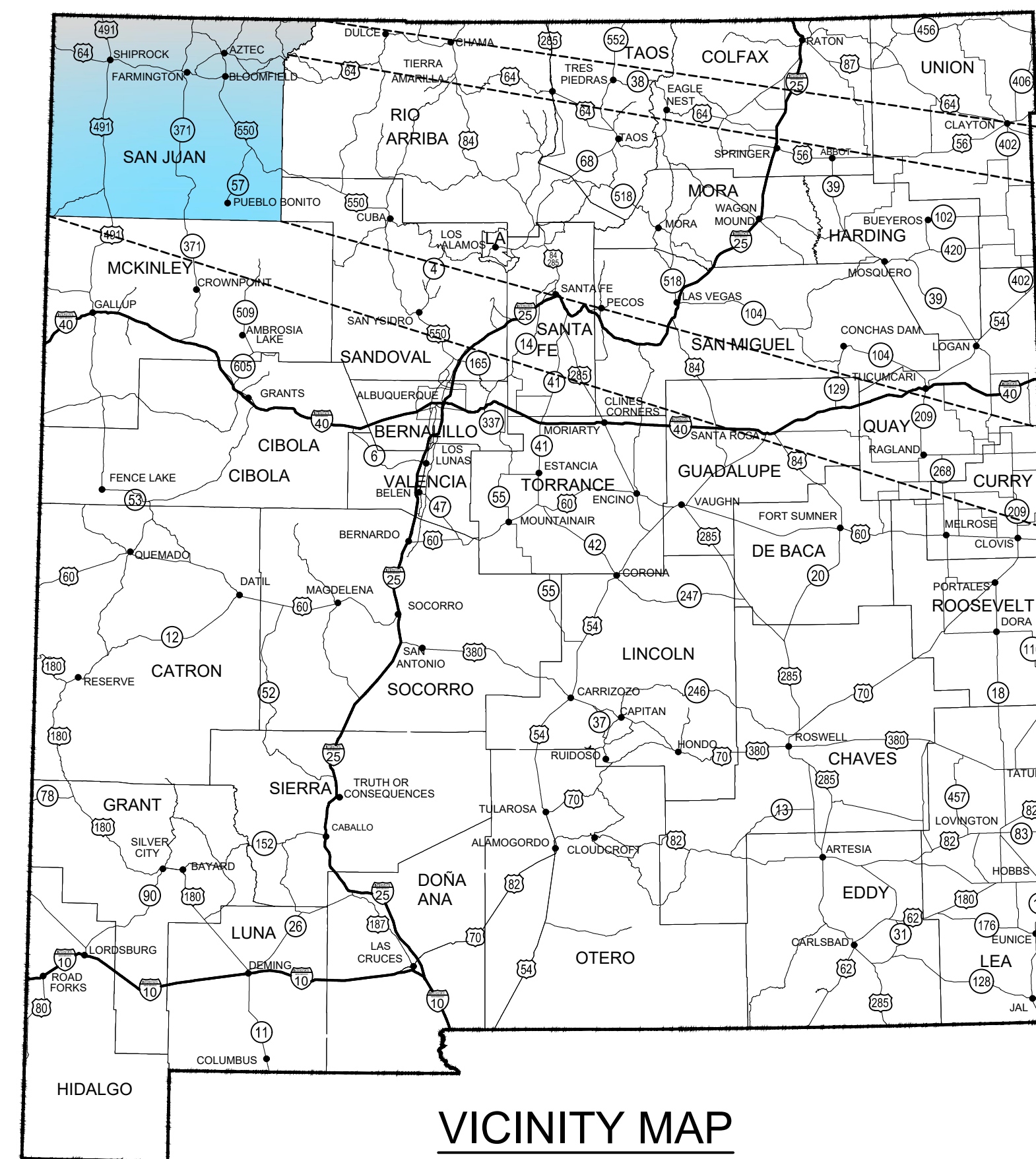


CITY OF AZTEC, NEW MEXICO April 2019

SHEET INDEX

SHEET NUMBER	SHEET TITLE
COVER	COVER SHEET
G101	GENERAL NOTE & LEGENDS
C100	EXISTING SITE PLAN
C101	PLAN & PROFILE
D100	CONSTRUCTION DETAILS

PROJECT DESCRIPTION:
BORE ACROSS HIGHWAY 550 WITH SANITARY SEWER AND CASING. TIE IN SEWER RUNNING NORTH TO SOUTH ALONG WEST R-O-W TO SEWER RUNNING NORTH TO SOUTH ALONG EAST R-O-W. ADD IN MANHOLE



PREPARED FOR:

CITY OF AZTEC, DEPARTMENT OF PUBLIC WORKS
610 WESTERN DRIVE
AZTEC, NM 87410
(505) 334-7660

APPROVED FOR THE CITY OF AZTEC:

STEPHEN MORSE
PUBLIC WORKS DIRECTOR

DATE

PREPARED BY:

MILLER ENGINEERS, INC. d/b/a
SOUDER, MILLER & ASSOCIATES
401 W BROADWAY AVENUE
FARMINGTON, NM 87401
ATTN: COLIN M. DALY, P.E.
PHONE: 505-325-7535

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

COLIN M. DALY, P.E.
PROJECT ENGINEER

DATE

UTILITY OWNERS

ENTERPRISE FIELD SERVICES, LLC
ATTN: MICHAEL WASZUT (505) 599-2214
614 REILLY AVENUE (505) 325-2841
FARMINGTON, NM 87401

CITY OF AZTEC - ELECTRIC UTILITY
ATTN: KEN GEORGE (505) 334-7600

CITY OF AZTEC - PUBLIC WORKS DIRECTOR/CITY ENGINEER
ATTN: STEPHEN MORSE (505) 334-7661

CENTURY LINK (TELEPHONE)
ATTN: LAWRENCE JOE (505) 325-2311
411 N ALLEN
FARMINGTON, NM 87401

NEW MEXICO GAS CO.
ATTN: RYAN HOLDEN (505) 324-3729
603 W. ELM ST.
FARMINGTON, NM 87401

COMCAST CABLE
ATTN: MARK JONES (505) 325-8749
1911 N BUTLER
FARMINGTON, NM 87401

BP AMERICA PRODUCTION CO.
ATTN: CLAYTON NASH (505) 326-9200

Rev #	Date	Description	By	Chk'd

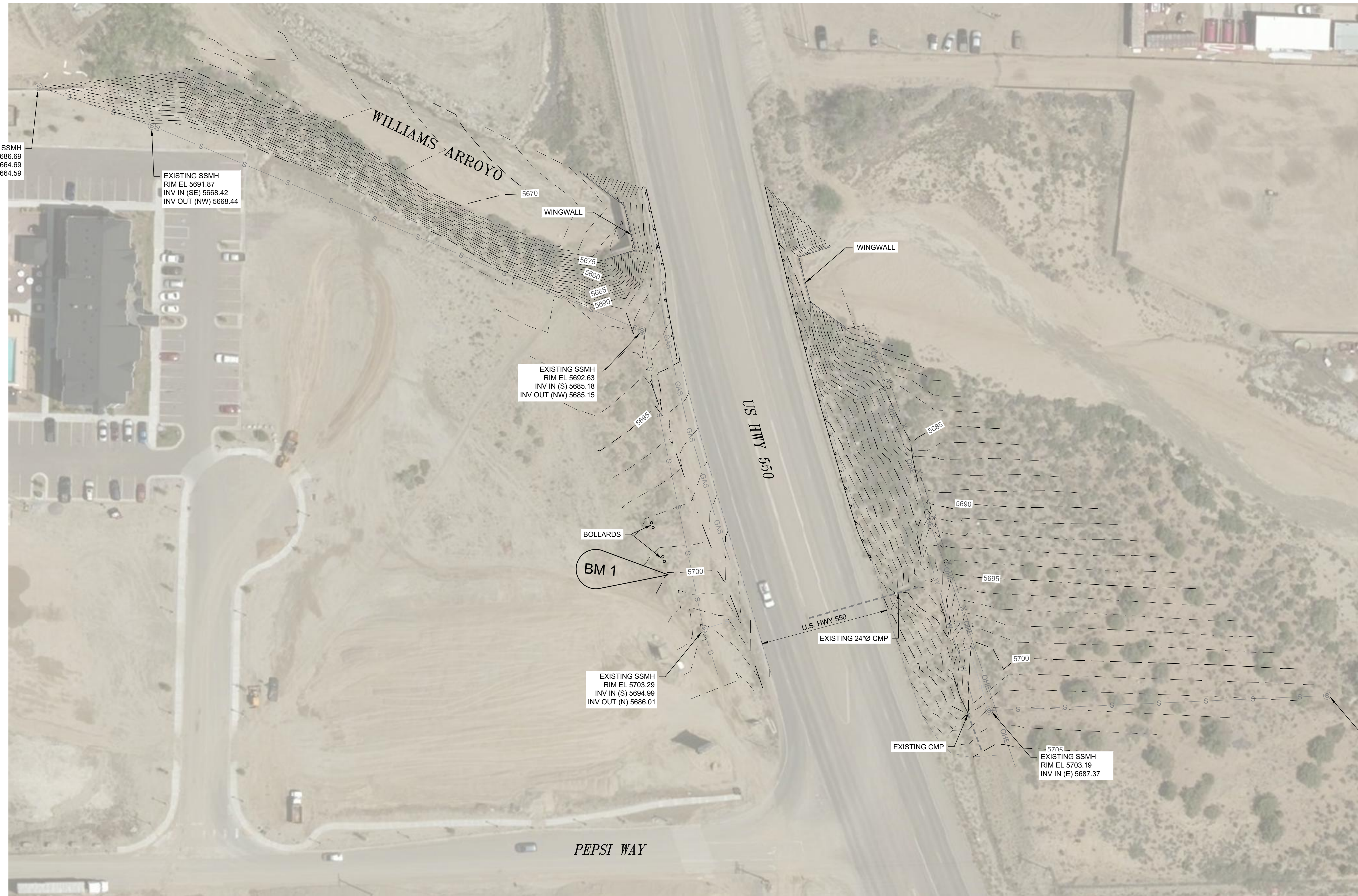
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Farmington, NM 87401

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EXISTING SSMH
RIM EL 5686.69
INV IN (SE) 5664.69
INV OUT (N) 5664.59

EXISTING SSMH
RIM EL 5691.87
INV IN (SE) 5668.42
INV OUT (NW) 5668.44

EXISTING SSMH
RIM EL 5692.63
INV IN (S) 5685.18
INV OUT (NW) 5685.15

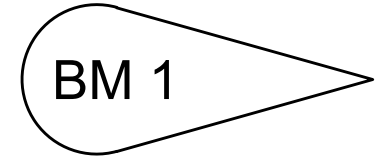
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RIM EL 5703.19
INV IN (E) 5687.37

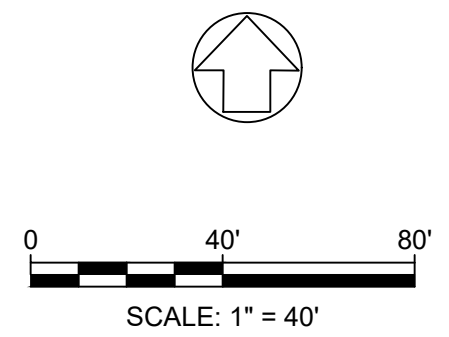
EXISTING SSMH
RIM EL 5701.67
INV IN (E) 5688.92
INV OUT (W) 5688.97

BENCH MARK

HORIZONTAL AND VERTICAL CONTROL IS BASED U.S. STATE PLANE
1983 ZONE NM WEST 3003 GEOID MODEL GEOID 12B (CONUS).



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E: 2674303.68
ELEV: 5700.08
DESCR: RBC SMA REDCAP



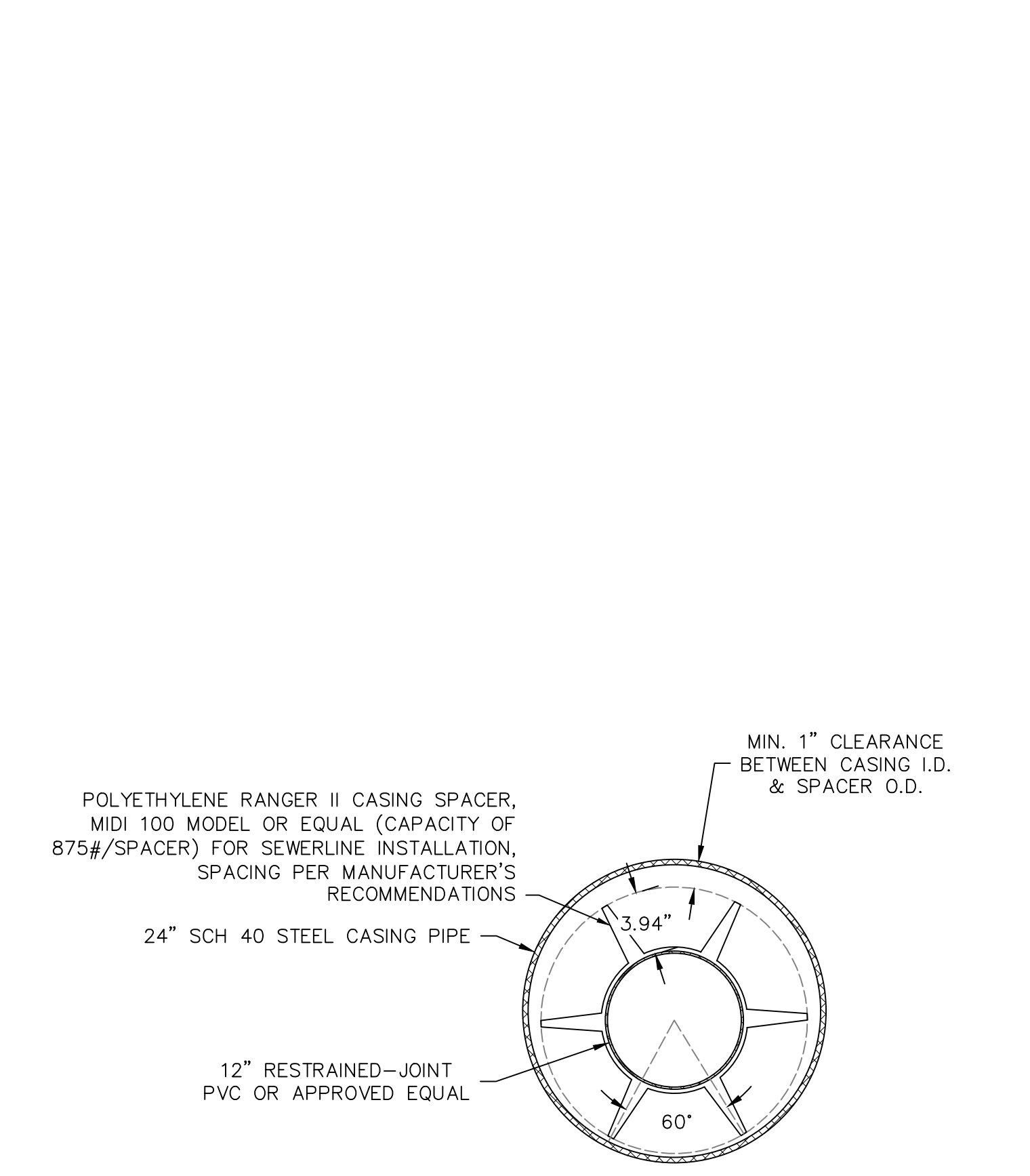
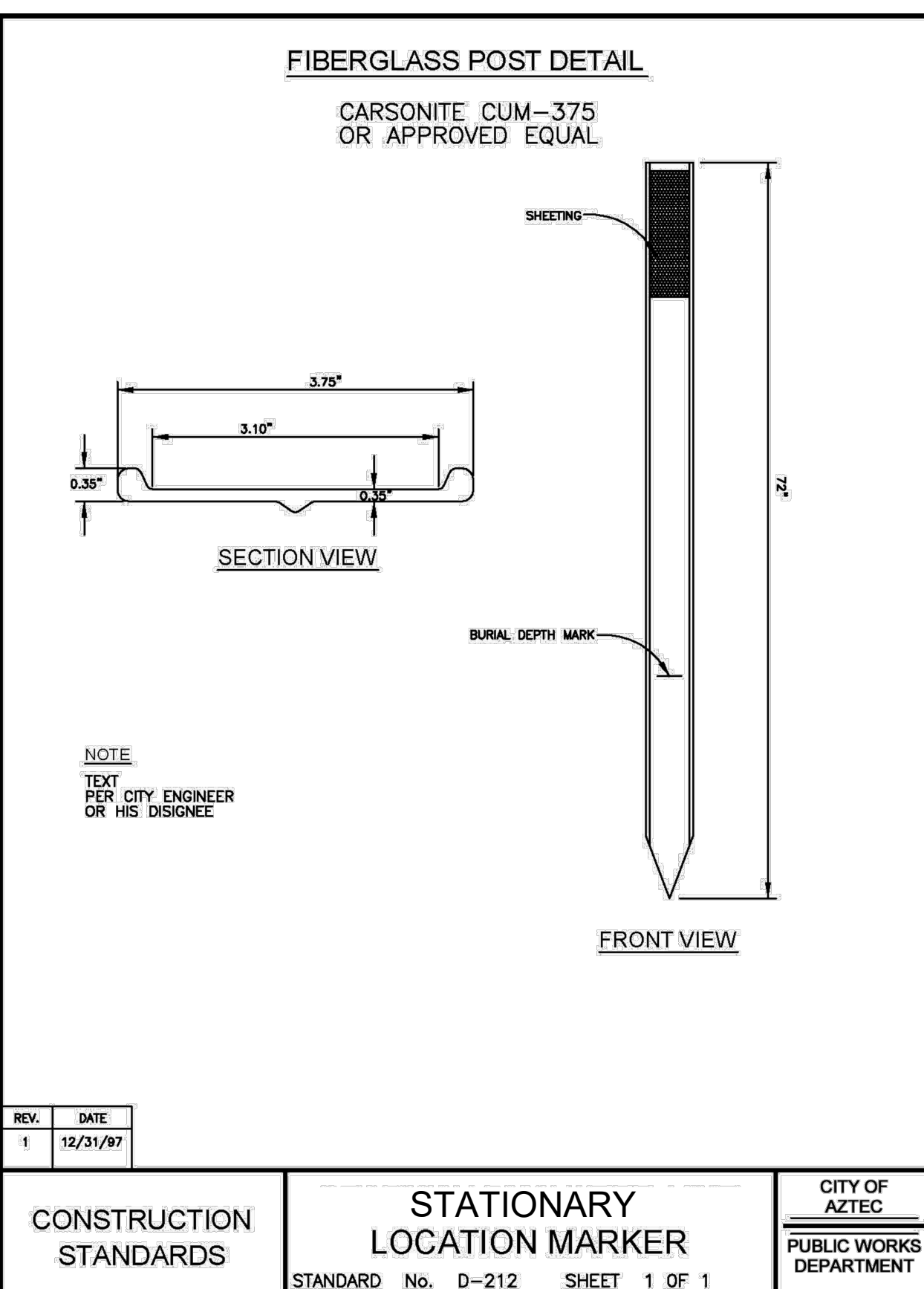
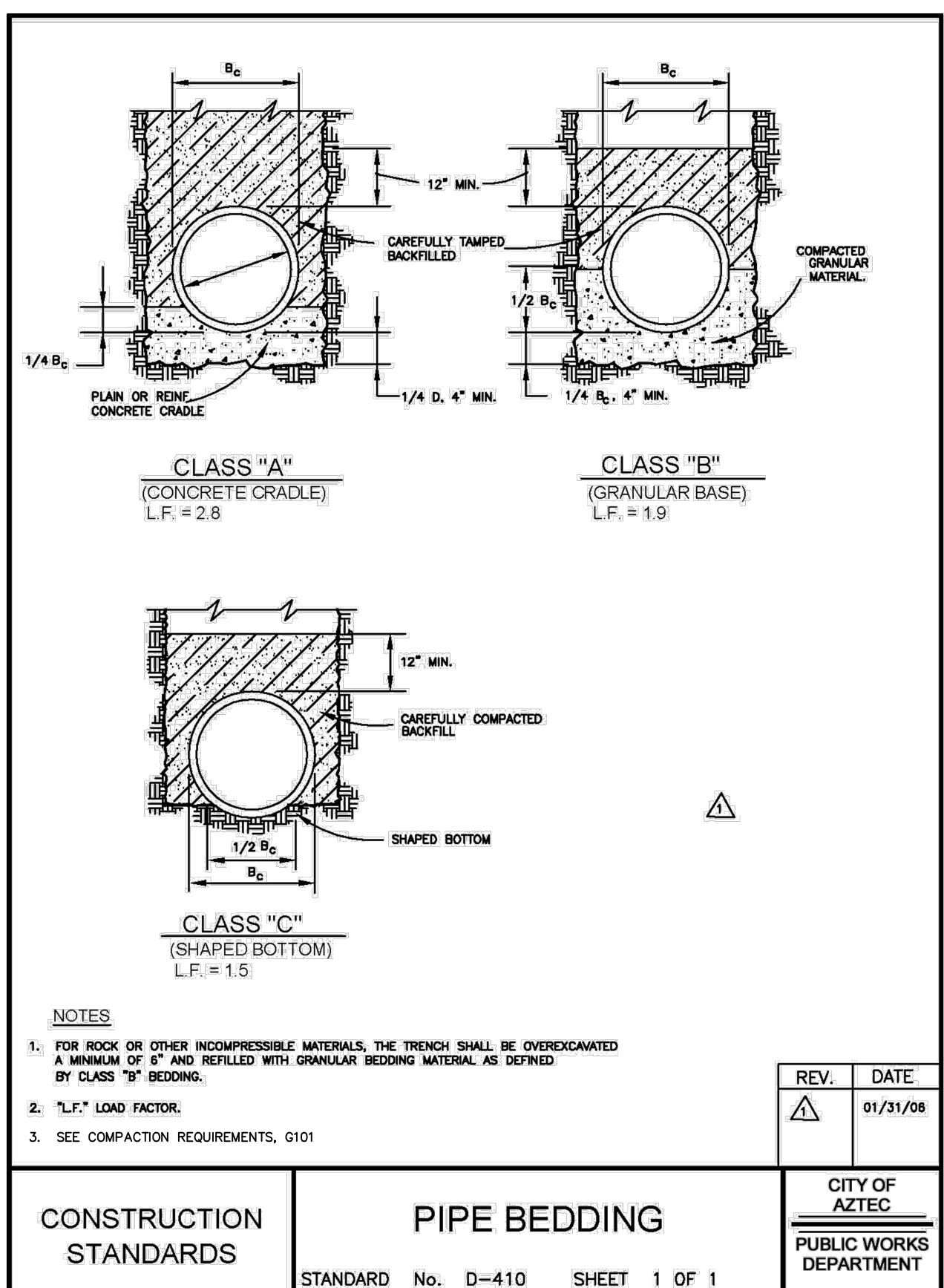
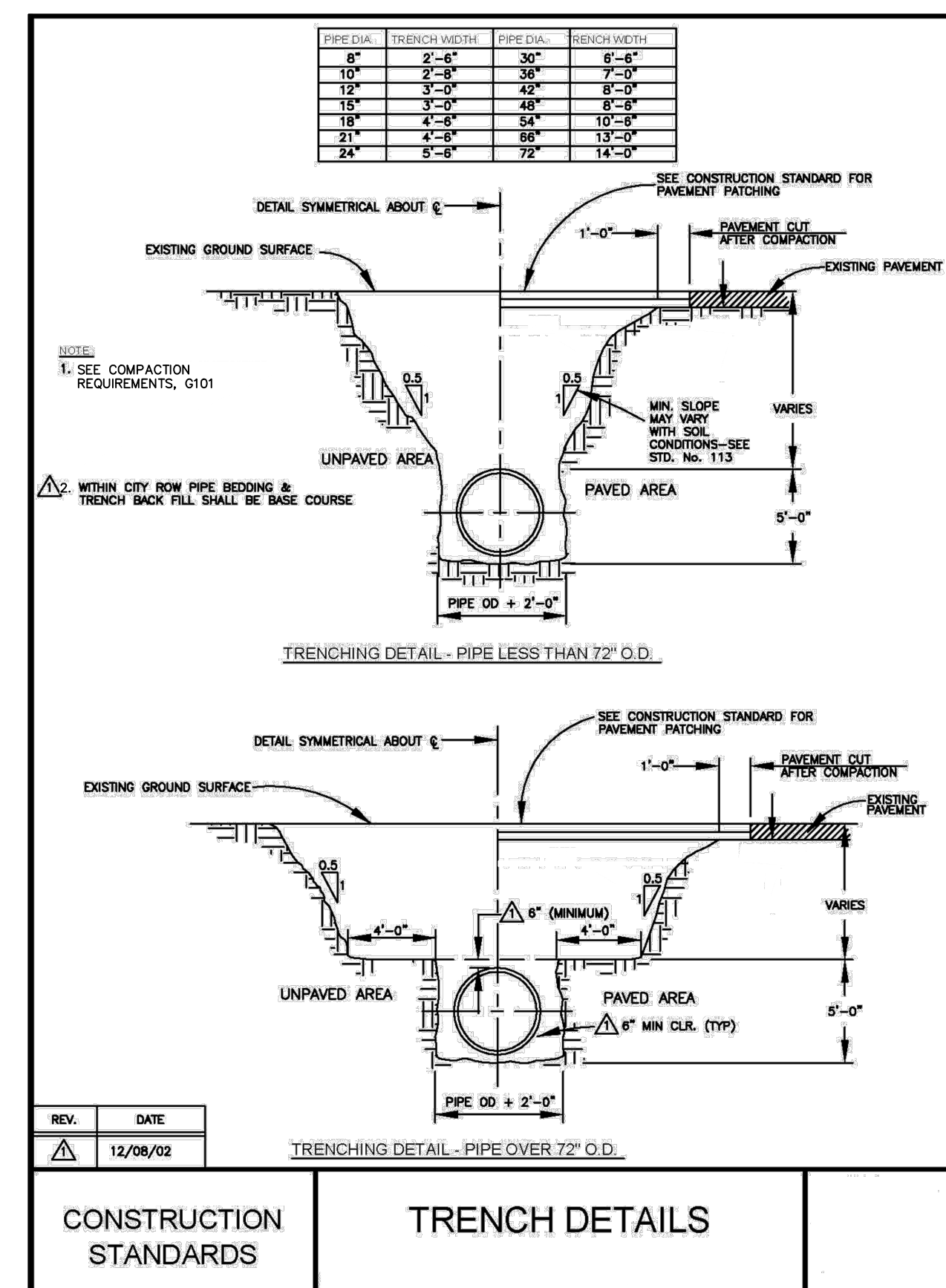
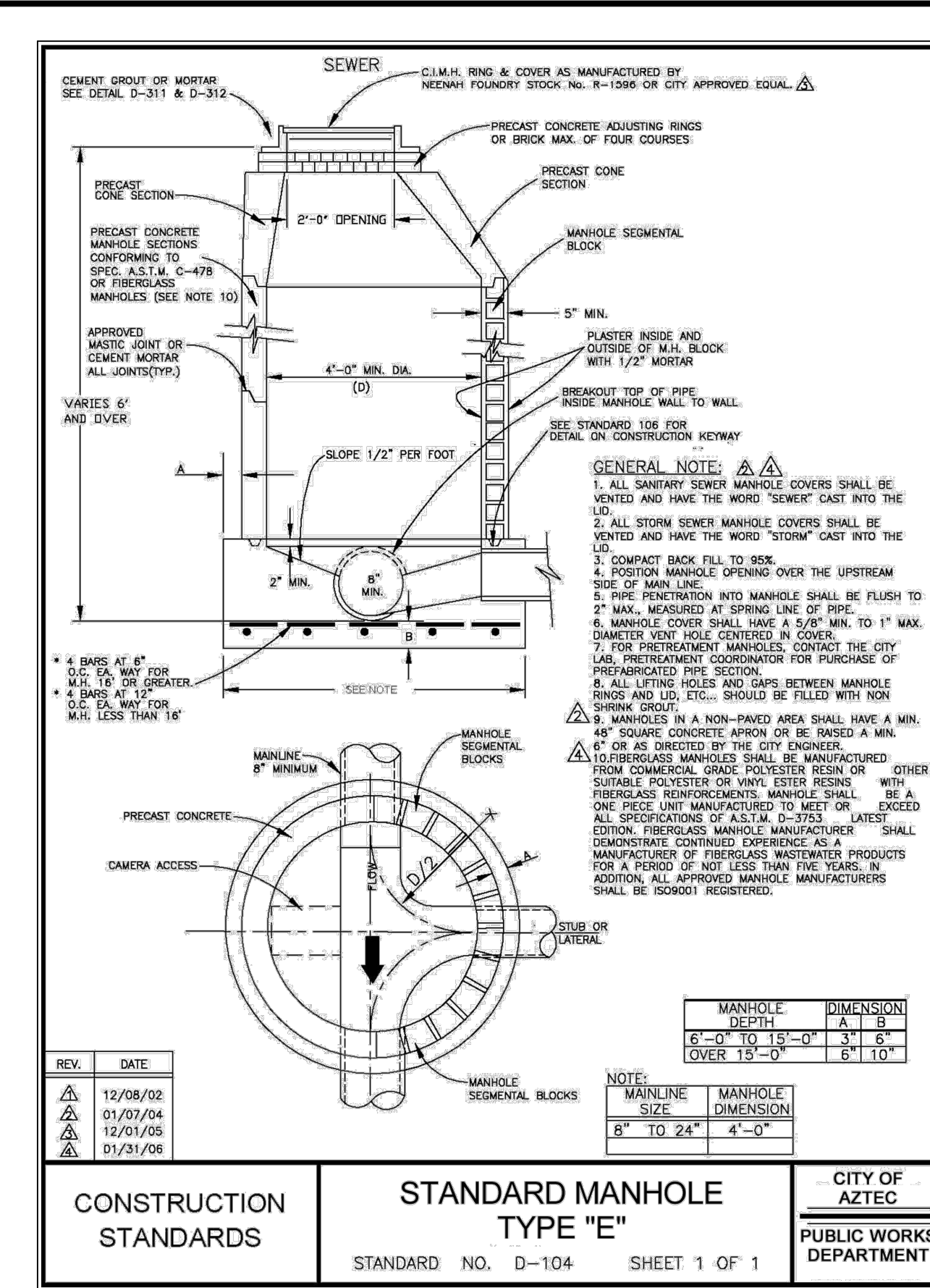
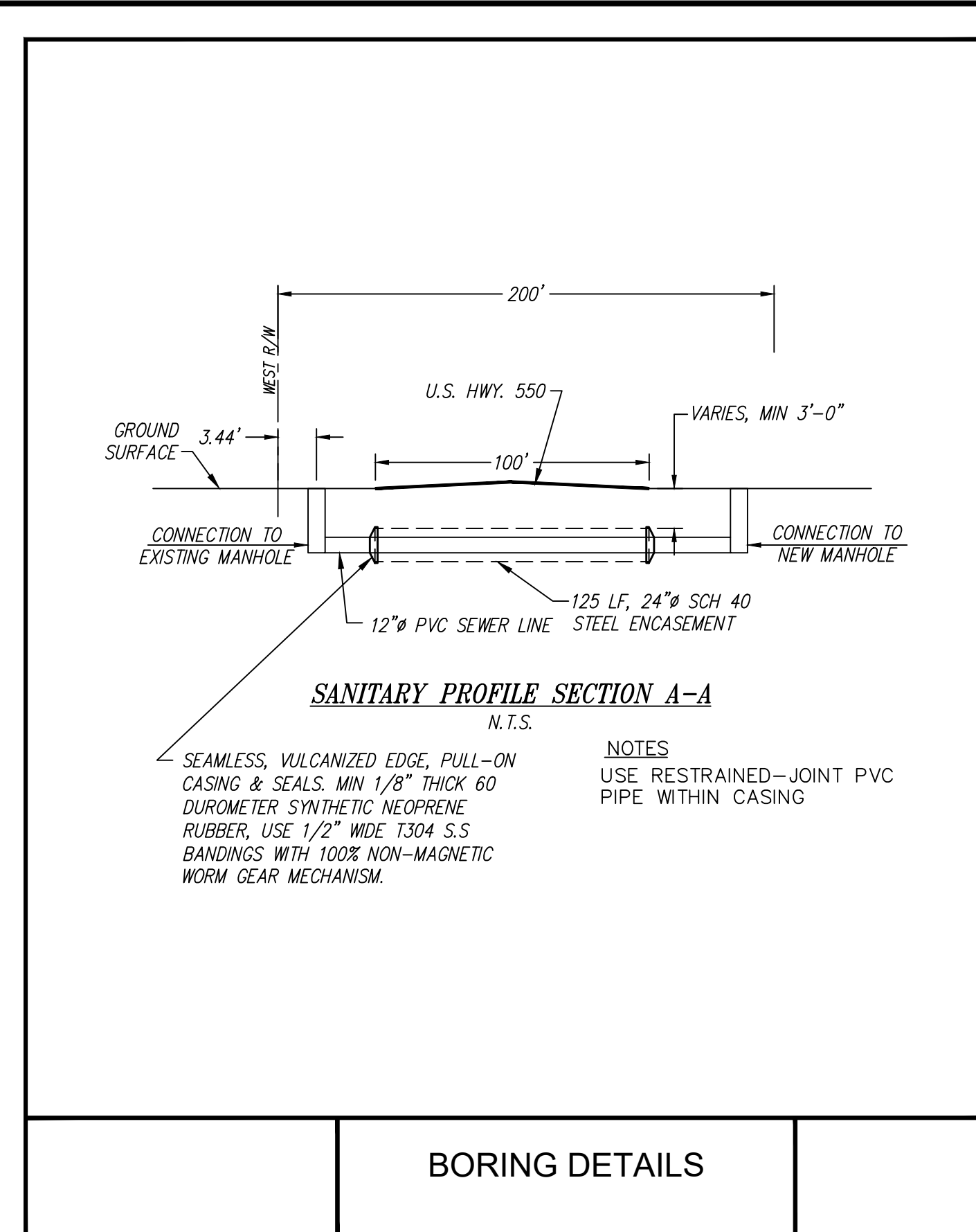
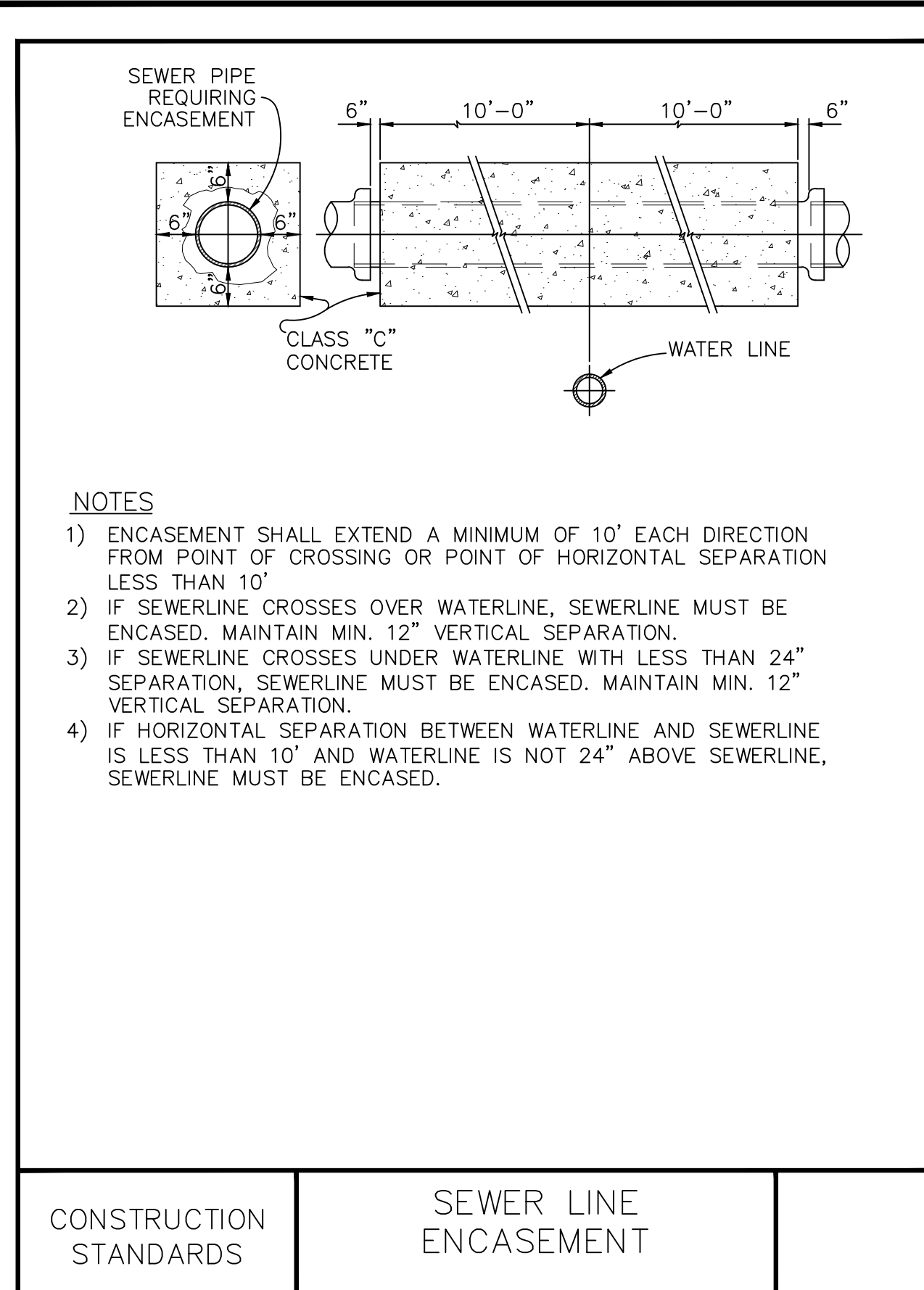
Rev #	Date	Description	By

SMA
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Farmington, NM 87401
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www.soudermiller.com

AZTEC, NEW MEXICO
CITY OF AZTEC
SEWER TIE-IN
U.S. HWY 550
EXISTING SITE

THIS DRAWING IS INCOMPLETE
AND NOT TO BE USED FOR
CONSTRUCTION UNLESS IT IS
STAMPED, SIGNED AND DATED

Designed	Drawn	Checked
GYQ	DJB	CMD
Date:	April 2019	
Scale:	Horiz: 1" = 40'	
	Vert: N/A	
Project No:	9126219	
Sheet:	C100	



By: [Signature]

Description: [Blank]

Rev# Date: [Blank]

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AZTEC, NEW MEXICO

CITY OF AZTEC

SEWER TIE-IN
U.S. HWY 550
CONSTRUCTION DETAILS

THIS DRAWING IS INCOMPLETE AND NOT TO BE USED FOR CONSTRUCTION UNLESS IT IS STAMPED, SIGNED AND DATED

Designed	Drawn	Checked
GYQ	DJB	CMD

Date: April 2019

Scale: Horiz: N/A
Vert: N/A

Project No: 9126219

Sheet: D100