

NOTICE OF EXTENDED PAYMENT

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

CITY OF AZTEC

SAN JUAN COUNTY, NEW MEXICO

SANITARY SEWER INTERCEPTOR IMPROVEMENTS

MARCH 9, 2016 - BID PLAN SET

PROJECT NO. AZ 2016-549

NMED CWSRF 021

AZ 2016-549
NMED CWSRF 021



NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
333 Rio Rancho Drive NE, Suite 101
Rio Rancho, New Mexico 87124
Phone (505) 892-5141 Fax (505) 892-3259

Designed For: **CITY OF AZTEC**

CITY OF AZTEC

CITY MANAGER: Josh Ray
505-334-7602

CITY ENGINEER / DPW: William Watson
505-334-7661

ENVIRONMENTAL HAZARDS CONTACT INFORMATION

NMED-SWQB: Neel Schaeffer
505-476-3017

NMDOT: Gary Funkhouser
505-827-5692

SME - Environmental Consultants: Nathan Kirker
970-403-0583

UTILITY COMPANIES

Natural Gas: New Mexico Gas Company
Ray Holden
(505) 324-3729
603 W. Elm
Farmington NM 87401

Electric: PNM or
City of Aztec Electric
Laurie Martinez
Geraldine Raymond
(505) 334-7663
201 W. Cahco
Aztec NM 87410

Telephone: CenturyLink (Communications)
Laurence Joe (505) 325-2311
411 N. Allen Ave.
Farmington, NM 87401

Cable: Comcast Cable
David Aikins (505) 438-1930 or
(505) 793-5609
2534 Camino Entrada
Santa Fe, NM 87505

Pipeline: Enterprise Products
Gilbert Huntsman (505) 320-4251
3621 E. Main St.
Farmington, NM 87402

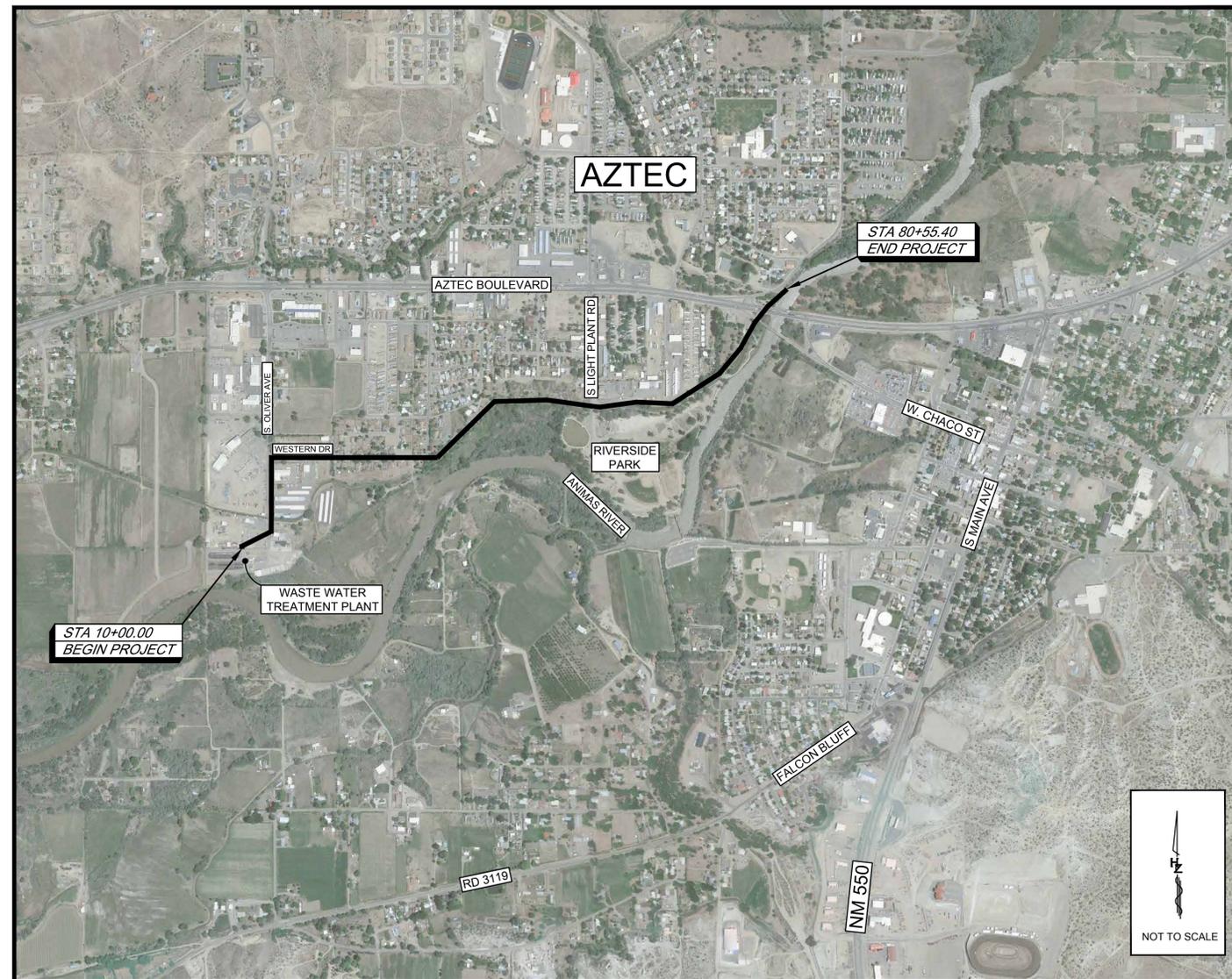
IRRIGATION DITCH

ELLEDEGE MILL DITCH: Dale Hunt, President
(505) 334-9139

PROJECT FUNDING

CITY OF AZTEC

CLEAN WATER STATE REVOLVING FUND - CWSRF 021



LOCATION MAP

CITY OF AZTEC

APPROVAL

CITY ENGINEER / PUBLIC WORKS DIRECTOR _____ DATE _____

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PROJECT TITLE SHEET

SANITARY SEWER LINE

AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
DESIGNED BY: DK
DRAWN BY: CS
CHECKED BY: SAE
DATE: MARCH, 9 2016
DPW CHK:
SHEET: C001

Project: 3/9/2016 1:14:48 PM By: Adhikari, Cadin
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GENERAL NOTES

- ALL IMPROVEMENTS, UNLESS OTHERWISE MODIFIED IN THE PROJECT SPECIFICATIONS, SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION, AS PREPARED BY THE NEW MEXICO CHAPTER, AMERICAN PUBLIC WORKS ASSOCIATION, AS AMENDED THROUGH ALL CURRENT UPDATES. THE BOX CULVERT SHALL BE IN ACCORDANCE WITH NMDOT STANDARD SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION, CURRENT EDITION.
- STANDARD DRAWINGS DESIGNATED BY NUMBERS (####) REFER TO STANDARD DRAWINGS FROM THE NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, PREPARED BY THE NEW MEXICO CHAPTER, AMERICAN PUBLIC WORKS ASSOCIATION, AS AMENDED UNLESS OTHERWISE NOTED. STANDARD DRAWINGS DESIGNATED BY LETTERS/NUMBERS (D-####) REFER TO CITY OF AZTEC CONSTRUCTION STANDARD DRAWINGS.
- THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- NO CHANGES SHALL BE MADE TO THESE PLANS WITHOUT THE WRITTEN APPROVAL OF THE CITY. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION METHODS OR TECHNIQUES OR FOR THE PROSECUTION OF THE WORK AS SHOWN ON THESE PLANS. THE ENGINEER SHALL NOT BE RESPONSIBLE FOR THE ACTS OR OMISSIONS OF THE CONTRACTOR, SUBCONTRACTORS OR OTHER PERSONS PERFORMING ANY OF THE WORK OR FOR THE FAILURE OF ANY OF THEM TO CARRY OUT THE WORK IN ACCORDANCE WITH CONTRACT DOCUMENTS.
- A COMPLETE TRAFFIC CONTROL PLAN SHALL BE PREPARED BY THE CONTRACTOR WHEN ANY PORTION OF THE WORK IS IN THE PUBLIC RIGHT-OF-WAY. ALL CONSTRUCTION SIGNING, BARRICADING AND CHANNELIZATION SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION. THE PLAN SHALL BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT DIRECTOR FOR APPROVAL. THE CONTRACTOR SHALL NOT IMPLEMENT THE TRAFFIC CONTROL PLAN UNTIL APPROVAL OF THE PLAN HAS BEEN RECEIVED. THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO AND APPROVED BY THE CITY OF AZTEC PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL DESIGNATE AT LEAST ONE EMERGENCY CONTACT PERSON, AND SHALL PROVIDE TELEPHONE NUMBERS WHERE THIS PERSON CAN BE CONTACTED AT ANY TIME. THIS INFORMATION SHALL BE PROVIDED TO THE OWNER, THE ENGINEER AND THE CITY OF AZTEC DEPARTMENT OF PUBLIC WORKS.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL REQUIRED CONSTRUCTION PERMITS FROM ALL JURISDICTIONAL AUTHORITIES PRIOR TO START OF CONSTRUCTION.
- ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL LAWS, RULES AND REGULATIONS CONCERNING CONSTRUCTION SAFETY, HEALTH, AND ENVIRONMENTAL PROTECTION.
- EXISTING SITE IMPROVEMENTS WHICH ARE DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED, IN-KIND, BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE. REPAIRS SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION OF THE REPAIRS. REPAIRS SHALL BE ACCEPTED BY THE OWNER PRIOR TO FINAL PAYMENT.
- THE CONTRACTOR SHALL USE HIS/HER DESIGNATED STAGING AREAS FOR STORAGE OF EQUIPMENT AND MATERIAL. NO STAGING AREA WILL BE PROVIDED BY THE CITY. EXCEPT FOR A SMALL AREA ON WESTERN DRIVE TO BE USED EXCLUSIVELY WHILE INSTALLING PIPE IN THE IMMEDIATE VICINITY. NO MATERIAL OR EQUIPMENT MAY BE STORED OR LEFT ONSITE OR AT ANY OTHER LOCATION. THE OWNER ASSUMES NO LIABILITY FOR CONTRACTOR'S EQUIPMENT AND MATERIAL IN ANY AREA. SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AN OFF SITE STAGING AREA SHALL BE PROVIDED AT THE CONTRACTORS EXPENSE.
- ALL STATIONING REFERS TO THE CENTERLINE OF THE NEW PIPE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING, IN ADVANCE OF HIS/HER CONSTRUCTION OPERATIONS, IF OVER-HEAD UTILITY LINES, SUPPORT STRUCTURES, POLES, GUYS, UNDERGROUND BURIED UTILITIES, ETC. ARE AN OBSTRUCTION TO CONSTRUCTION OPERATIONS. IF ANY OBSTRUCTION IS EVIDENT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE APPROPRIATE UTILITY OWNER TO REMOVE OR SUPPORT THE UTILITY OBSTRUCTION. ANY COST ASSOCIATED WITH THIS EFFORT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE CITY ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
- A PRE-CONSTRUCTION MEETING SHALL BE CONDUCTED PRIOR TO CONSTRUCTION. CONTACT THE CITY OF AZTEC PUBLIC WORKS DIRECTOR AT (505) 344-7660.

GRADING

- TERRAIN SHALL BE GRADED TO PRE-CONSTRUCTION ELEVATIONS.

SOILS

- UNLESS OTHERWISE SPECIFIED SUB GRADE SOILS AND STRUCTURAL FILL MATERIALS SHALL BE COMPACTED TO THE FOLLOWING PERCENTAGES OF THE ASTM D-1557 MAXIMUM DENSITY.

MATERIALS	PERCENT (%)
COMPACTION	
STRUCTURAL FILL IN THE BUILDING AREA	95
SUB BASE FOR SLAB SUPPORT	95
MISCELLANEOUS BACK FILL BELOW STRUCTURAL FILL OR ROAD PAVEMENT	95
MISCELLANEOUS BACK FILL BELOW UNPAVED, NON-BUILDING AREAS	95
ROAD PAVEMENT SUB GRADE	95
SIDEWALK SUB GRADE	95
CURB AND GUTTER SUB GRADE	95

- CONTRACTOR SHALL PREVENT SOIL FROM SPILLING INTO THE IRRIGATION DITCH AND ANIMAS RIVER.

EROSION CONTROL/ENVIRONMENTAL

PROTECTION/STORM WATER POLLUTION PREVENTION PLAN

- THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST AND EROSION CONTROL REGULATIONS. THE CONTRACTOR SHALL PREPARE AND OBTAIN ANY NECESSARY DUST OR EROSION CONTROL PERMITS FROM REGULATORY AGENCIES, INCLUDING POSTING ITS APPROVED SWPPP.
- THE CONTRACTOR SHALL PROMPTLY REMOVE ANY MATERIAL EXCAVATED WITHIN THE PUBLIC RIGHT-OF-WAY TO KEEP IT FROM WASHING OFF THE PROJECT SITE.
- THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE SITE ONTO OTHER PROPERTY BY CONSTRUCTING TEMPORARY EROSION CONTROL BERMS OR INSTALLING SILT FENCES AT THE PROPERTY LINES AS INDICATED ON THE STORM WATER POLLUTION PREVENTION PLAN.
- THE CONTRACTOR SHALL MITIGATE EROSION OF TEMPORARY OR PERMANENT DIRT SWALES BY INSTALLING CHECK DAMS IN THE SWALES PERPENDICULAR TO THE DIRECTION OF FLOW, AND AT INTERVALS SPECIFIED ON THE STORM WATER POLLUTION PREVENTION PLAN.
- THE CONTRACTOR SHALL WET THE SOIL AS NEEDED TO KEEP IT FROM BLOWING. WATERING, AS REQUIRED FOR CONSTRUCTION AND DUST CONTROL, SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO MEASUREMENT OR PAYMENT SHALL BE MADE THEREFOR. CONSTRUCTION AREAS SHALL BE WATERED FOR DUST CONTROL IN COMPLIANCE WITH GOVERNMENT ORDINANCES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND SUPPLYING WATER AS REQUIRED.
- ANY AREAS DISTURBED BY CONSTRUCTION AND NOT COVERED BY LANDSCAPING OR AN IMPERVIOUS SURFACE SHALL BE REVEGETATED WITH NATIVE GRASS SEEDING. WHEN CONSTRUCTION ACTIVITIES CEASE AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME WITHIN 21 DAYS, STABILIZATION MEASURES MUST BE INITIATED, UNLESS INDICATED OTHERWISE ON THESE PLANS OR ON THE LANDSCAPING PLAN, NATIVE GRASS SEEDING SHALL BE CLASS A SEEDING PER NMAPWA SPECIFICATIONS.
- ALL WASTE PRODUCTS FROM THE CONSTRUCTION SITE, INCLUDING ITEMS DESIGNATED FOR REMOVAL, CONSTRUCTION WASTE, CONSTRUCTION EQUIPMENT WASTE PRODUCTS (OIL, GAS, TIRES, ETC.) GARBAGE, GRUBBING, EXCESS CUT MATERIAL, VEGETATIVE DEBRIS, ETC. SHALL BE APPROPRIATELY DISPOSED OF OFF SITE AT NO ADDITIONAL COST TO THE OWNER. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PERMITS REQUIRED FOR HULL OR DISPOSAL OF WASTE PRODUCTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE WASTE DISPOSAL SITE COMPLIES WITH GOVERNMENT REGULATIONS REGARDING THE ENVIRONMENT, ENDANGERED SPECIES AND ARCHAEOLOGICAL RESOURCES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE CLEANUP AND REPORTING OF SPILLS OF HAZARDOUS MATERIALS ASSOCIATED WITH THE CONSTRUCTION SITE. HAZARDOUS MATERIALS INCLUDE GASOLINE, DIESEL FUEL, MOTOR OIL, SOLVENTS, CHEMICALS, PAINTS, ETC. WHICH MAY BE A THREAT TO THE ENVIRONMENT. THE CONTRACTOR SHALL REPORT THE DISCOVERY OF PAST OR PRESENT SPILLS TO THE NEW MEXICO ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 1-(505)-827-9329.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING SURFACE AND UNDERGROUND WATER. CONTACT WITH SURFACE WATER BY CONSTRUCTION EQUIPMENT AND PERSONNEL SHALL BE MINIMIZED. EQUIPMENT MAINTENANCE AND REFUELING OPERATIONS SHALL BE PERFORMED IN AN ENVIRONMENTALLY SAFE MANNER IN COMPLIANCE WITH GOVERNMENT REGULATIONS.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE REGULATIONS CONCERNING CONSTRUCTION NOISE AND HOURS OF OPERATION.
- WHERE STORM INLETS ARE SUSCEPTIBLE TO IN FLOW OF SILT OR DEBRIS FROM CONSTRUCTION ACTIVITIES, PROTECTION SHALL BE INSTALLED ON THEIR UPSTREAM SIDE.
- THE CONTRACTOR SHALL MAINTAIN A COPY OF THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON-SITE AT ALL TIMES, AND SHALL COMPLY WITH THE REQUIREMENTS INDICATED ON THAT PLAN.

BYPASS PUMPING

- THE CONTRACTOR SHALL DEVELOP AND SUBMIT A BY-PASS PUMPING PLAN TO THE CITY ENGINEER FOR APPROVAL PRIOR TO INITIATING ACTIVITIES.
- CONTRACTOR SHALL CERTIFY BYPASS SYSTEM MEETS REQUIREMENTS OF CODES, AND REGULATORY AGENCIES HAVING JURISDICTION.
- SCHEDULE AND PERFORM WORK IN MANNER THAT DOES NOT CAUSE OR CONTRIBUTE TO INCIDENCE OF OVERFLOWS, RELEASES OR SPILLS OF SEWAGE FROM SANITARY SEWER OR BYPASS OPERATION.
- IN THE EVENT OF A SPILL OR OVERFLOW THE CONTRACTOR IS SOLELY RESPONSIBLE FOR ALL COSTS ATTRIBUTABLE TO THE SPILL OR OVERFLOW EVENT.
- CONTRACTOR SHALL NOTIFY NEW MEXICO ENVIRONMENTAL DEPARTMENT OF ANY SPILL OR OVERFLOW.
- CONTRACTOR SHALL PROVIDE A BY-PASS PUMP SCHEDULE WITH REQUIRED PUMPING FLOWS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

ROADS

- ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO SURFACING OF THE STREETS. ALL WATER VALVE BOXES AND ELECTRICAL, TELEPHONE, TELEVISION AND SEWER MANHOLES IN THE CONSTRUCTION AREA SHALL BE ADJUSTED TO FINISH GRADE.
- ALL SIGNS, BARRICADES, CHANNELIZATION DEVICES, PAVEMENT MARKINGS, SIGN FRAMES AND ERECTION OF SUCH DEVICES SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" LATEST EDITION.
- ALL STREET STRIPING ALTERED OR DESTROYED DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO MATCH THE ORIGINAL CONDITIONS (I.E. TYPE, SPACING) AT THE LOCATION PRIOR TO CONSTRUCTION, OR AS SHOWN IN THIS PLAN SET.
- STREET GRADES SHALL BE RESTORED BY THE CONTRACTOR TO THE EXISTING GRADES UNLESS OTHERWISE DIRECTED BY THE CITY ENGINEER. SMOOTH TRANSITIONS SHALL BE MADE BETWEEN EXISTING PAVEMENT WHICH REMAINS IN PLACE AND PAVEMENT WHICH IS REPLACED. WHEN ABUTTING NEW PAVEMENT TO EXISTING, SAWCUT BACK EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT.
- CONTRACTOR SHALL NOTIFY THE CITY OF AZTEC PUBLIC WORKS DEPARTMENT OF ANY ROADWAY OR LANE CLOSURES AT LEAST 48 HOURS IN ADVANCE.
- ALL ASPHALT PAVEMENT UNLESS OTHERWISE MODIFIED IN THE PROJECT SPECIFICATIONS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE "NEW MEXICO STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION", LATEST EDITION.
- ALL WORK IN PUBLIC RIGHT-OF-WAY SHALL BE CONSTRUCTED BY A LICENSED CONTRACTOR AND REQUIRES PERMIT AND APPROVAL BY THE CITY ENGINEER.

UTILITIES-GENERAL

- IF ANY UTILITY LINES, PIPELINES OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE LOCATION ONLY, AND LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OWNER OR FROM EXISTING PLANS, AND THIS INFORMATION MAY BE INCOMPLETE, OR OBSOLETE AT THE TIME OF CONSTRUCTION. THE ENGINEER HAS NOT UNDERTAKEN ANY FIELD VERIFICATION OF THESE LOCATIONS, LINE SIZES OR MATERIAL TYPE, MAKES NO REPRESENTATION THERETO, AND ASSUMES NO RESPONSIBILITY ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND INSTALLATION IN OR NEAR THE AREA IN ADVANCE OF AND DURING ANY EXCAVATION WORK. CONTRACTOR SHALL PERFORM ALL UTILITY LOCATIONS BOTH HORIZONTAL AND VERTICAL PRIOR TO CONSTRUCTION AND NOTIFY THE CITY AND ENGINEER OF ANY CONFLICTS. CONTRACTOR SHALL INCLUDE THE LOCATION COST IN THEIR BID. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES AND UNDERGROUND FACILITIES. IN PLANNING AND CONDUCTING EXCAVATIONS, THE CONTRACTOR SHALL COMPLY WITH ALL STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE CONTRACTOR SHALL NOTIFY NEW MEXICO ONE CALL, INC. AT 260-1990 AT LEAST TWO WORKING DAYS PRIOR TO STARTING WORK ON THIS PROJECT.
- CONSTRUCTION NOTICE:** CONTRACTOR SHALL NOTIFY THE CITY OF AZTEC PUBLIC WORKS DEPARTMENT, OF INTENT TO BEGIN CONSTRUCTION AT LEAST 48 HOURS IN ADVANCE.
- SEWER/REUSE LINES SHALL BE PLACED IN THE SAME TRENCH UNLESS OTHERWISE SHOWN, AND PLACED IN ACCORDANCE WITH THE DETAIL WITHIN. THE REUSE LINE SHALL BE PLACED A MINIMUM OF 1.5 FEET HIGHER IN ELEVATION THAN THE SEWER. AT ALL CROSSINGS OF REUSE AND SEWER LINES, THE REUSE LINE SHALL BE A MINIMUM OF 1.5 HIGHER THAN THE SEWER OR THE SEWER LINE SHALL BE C-900 PRESSURIZED PIPE.
- SEWER & REUSE LINE DISTANCES SHOWN IN PLANS ARE HORIZONTAL DISTANCES WITHOUT REGARD TO SLOPE OF PIPE OR PROJECT STATIONING.
- ALL MATERIALS MUST BE APPROVED BY THE CITY ENGINEER PRIOR TO CONSTRUCTION.
- COORDINATION OF UTILITY SPOTTING AND RELOCATION IS THE RESPONSIBILITY OF THE CONTRACTOR.

WATER/REUSE

- THE CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM THE CITY OF AZTEC PUBLIC WORKS DEPARTMENT TO OPERATE ANY VALVE OR FIRE HYDRANT INCLUDING NEW WATER LINES AND EXTENSIONS TO THE WATER SYSTEM WHICH HAVE NOT YET BEEN ACCEPTED BUT ARE CONNECTED TO THE EXISTING WATER SYSTEM. ONCE APPROVAL HAS BEEN VERIFIED, THE CONTRACTOR MUST CONTACT THE CITY OF AZTEC PUBLIC WORKS DEPARTMENT 48 HOURS IN ADVANCE TO REQUEST A SHUT-OFF DATE. WATER SHUT OFF MAY BE DONE AT NIGHT OR ON WEEKENDS TO ACCOMMODATE WATER CUSTOMERS.
- WATER LINES SHALL BE CONSTRUCTED WITH A MINIMUM OF 4.0 FT. COVER MEASURED FROM FINISH GRADE TO THE TOP OF PIPE, UNLESS OTHERWISE SPECIFIED ON PLANS.
- FOR PRESSURE WATER CONNECTIONS TO EXISTING LINES, THE CONTRACTOR SHALL NOTIFY THE CITY OF AZTEC PUBLIC WORKS DEPARTMENT A MINIMUM OF 48 HOURS PRIOR TO THE CONNECTION.
- CONCRETE THRUST BLOCKS SHALL BE USED ON ALL 90 DEGREE BENDS, TEES TO HYDRANTS, BEHIND HYDRANTS AND UNDER VALVES. ALL FITTINGS AND CAPS SHALL USE MEGA LUG RESTRAINTS. NO EXTRA PAYMENT WILL BE MADE FOR THESE FEATURES.
- NEW WATER SERVICE LINES SHALL USE PEX PIPE.
- VALVE BOXES SHALL BE BROUGHT TO SURFACE ELEVATION UPON COMPLETION OF SURFACE COURSE OF PAVEMENT. OCTAGONAL CONCRETE COLLARS SHALL BE CONSTRUCTED TO SURFACE ELEVATIONS PER NMAPWA STD DWG 2461.
- FLUSHING OF WATER LINES SHALL BE METERED. ORDER OF PREFERENCE FOR DISPOSAL IS (1) ON AVAILABLE LAND SURFACE OR (2) IN STORM SEWERS. DISPOSAL METHOD SHALL BE DISCUSSED WITH THE CITY ENGINEER.
- FLUSHING AND TESTING OF WATER/REUSE LINES SHALL BE COORDINATED WITH THE CITY OF AZTEC CITY ENGINEER WITH A MINIMUM OF 48 HOUR NOTICE.
- WATER LINES SHALL BE REPLACED IN KIND.
- WATER/REUSE LINES SHALL HAVE TRACER WIRE.
- MARK LINE DIRECTION AND SIZE ON ALL VALVE COLLARS.

SEWER

- SEWER SERVICE LATERALS ARE UNKNOWN.
- 30 DAYS FOLLOWING INSTALLATION AND BACKFILL OF SEWER LINES, A DEFLECTION TEST USING A HAND PULLED MANDREL SHALL BE PERFORMED IN THE PRESENCE OF THE CITY ENGINEER.
- AIR TESTING OF SEWER LINES SHALL BE CONDUCTED IN THE PRESENCE OF CITY ENGINEER.
- ALL SEWER LINES SHALL BE INSPECTED BY TV CAMERA PRIOR TO ACCEPTANCE BY THE CITY.
- MANHOLES SHALL MEET APWA STANDARDS EXCEPT THERE SHALL BE NO LADDER RUNGS INSTALLED.
- SERVICE LINES ARE PERMITTED INTO MANHOLES.
- SEWER LINES SHALL HAVE TRACER WIRE.
- SEWER LINES SHALL BE HDPE DR-21.
- EXISTING SEWER LINES WILL BE ABANDONED IN PLACE. EXISTING MANHOLES SHALL BE FILLED WITH CONCRETE 42 FEET DEEP TO COVER PIPE HOLES, THEN FILLED WITH SAND / BORROW TO WITHIN 4 FEET OF TOP. THE REMAINING TOP 4 FEET OF MANHOLE WILL BE COLLAPSED OR REMOVED, SO THAT NO VISIBLE EXISTENCE OF THE MANHOLE REMAINS.

ABBREVIATIONS

AP	ANALYSIS POINT
@	AT
BC	BEGIN CURVE
BCR	BEGIN CURB RETURN
BK	BOOK
BLDG	BUILDING
BM	BENCH MARK
BOP	BEGINNING OF PROJECT
BVC	BEGIN VERTICAL CURVE
BW	BASE OF WALL
CATV	CABLE TV LINE
CB	CATCH BASIN
CF	CURB FACE
CG	CURB AND GUTTER
CIP	CAST IRON PIPE
CL	CHAIN LINK
☉	CENTERLINE
CMP	CORRUGATED METAL PIPE
CO	CLEAN OUT
COA	CITY OF AZTEC
CONC	CONCRETE
CY	CUBIC YARDS
DE, DUE	DRAINAGE UTILITY EASEMENT
DI	DROP INLET
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
Δ	DELTA
E	ELECTRIC
EA	EACH
EB	ELECTRIC BOX
EC	END CURVE
ECR	END CURB RETURN
EL, ELEV	ELEVATION
EMH	EXISTING MANHOLE
EOP	END OF PROJECT
EP	EDGE OF PAVEMENT
ESMT	EASEMENT
EVC	END VERTICAL CURVE
EW	EACH WAY
EX, EXIST	EXISTING
FF	FINISH FLOOR
FG	FINISH GRADE
FH	FIRE HYDRANT
FL	FLOW LINE
FM	FORCE MAIN
FOC	FACE OF CURB
FP	FINISHED PAD
G	GAS
GM	GAS METER
GV	GATE VALVE
HDPE	HIGH DENSITY POLYETHYLENE
HORIZ	HORIZONTAL
INT	INTERSECTION
INV	INVERT
INV EL	INVERT ELEVATION
LF	LINEAR FEET
LP	LIGHT POLE
LT	LEFT
MH	MANHOLE
NG	NATURAL GROUND
OC	ON CENTER
PB	PULL BOX
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVATURE
PAGE	PAGE
PGL	PROFILE GRADE LINE PER TYPICAL SECTION
P(1)	POINT OF INTERSECTION
PR	PROPERTY LINE
PRC	POINT OF REVERSE CURVATURE
PT	POINT OF TANGENCY
PUE	PUBLIC UTILITY EASEMENT
PVC	POLYVINYL CHLORIDE PIPE
PVMT	PAVEMENT
R, RAD	RADIUS
RCP	REINFORCED CONCRETE PIPE
RD	ROOF DRAIN
REF	REFERENCE
RT	RIGHT
R/W, ROW	RIGHT-OF-WAY
S	SLOPE
SAS	SANITARY SEWER LINE
SD	STORM DRAIN
SF	SQUARE FEET
STA	STATION
STD	STANDARD
SW	SIDEWALK
SY	SQUARE YARDS
T	TANGENT
TA	TOP OF ASPHALT
TAC	TOP OF ASPHALT CURB
TBC	TOP BACK OF CURB
TC	TOP OF CONCRETE
TEL	TELEPHONE LINE, RISER OR BOX
TP	TOP OF PIPE
TRANS	TRANSVERSE
TW	TOP OF WALL
TYP	TYPICAL
UE	UNDERGROUND ELECTRICAL LINE
UT	UNDERGROUND TELEPHONE LINE
VC	VERTICAL CURVE
VERT	VERTICAL
VPI	VERTICAL POINT OF INTERSECTION
W, WL	WATERLINE
WM	WATER METER
WSEL	WATER SURFACE ELEVATION
WV	WATER VALVE

AZ 2016-549
NMED CWSRF 021



NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

GENERAL NOTES & ABBREVIATIONS

SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
DESIGNED BY: SAE
DRAWN BY: CS
CHECKED BY: DK
DATE: MARCH, 9 2016
DPW CHK:

SHEET:
C002

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

AZ 2016-549
 NMED CWSRF 021



ENVIRONMENTAL NOTES

BA

THE USFWS RECOMMENDS MINIMIZING THE AMOUNT OF VEGETATION BEING REMOVED AND CONDUCTING ALL WORK OUTSIDE OF THE MIGRATORY BIRD NESTING SEASON (APRIL 15- AUGUST 15), UNLESS THERE IS A BIOLOGICAL MONITOR ON SITE TO ENSURE NO NESTS ARE PRESENT PRIOR TO VEGETATION REMOVAL (D. HILL, PERSONAL COMMUNICATION 2012).

IF NESTING BUILDING ACTIVITIES ARE OBSERVED, HAZING/EXCLUSION ACTIVITIES SHOULD BE IMPLEMENTED. HAZING TECHNIQUES UTILIZE VISUAL AND/OR AUDITORY DEVICES WHICH PRODUCE NEGATIVE STIMULATION FOR BIRDS, DETERRING THEM FROM LANDING IN AN AREA. EXCLUSION IS THE PREVENTION OF BIRDS FROM ENTERING A SPECIFIC AREA USING NETTING, AND/OR SCREENING. HAZING/EXCLUSION TECHNIQUES SHOULD BE CONTINUED UNTIL SITE VEGETATION HAS BEEN REMOVED FOR CONSTRUCTION PURPOSES. COMPLETED/OCCUPIED NEST SHOULD BE AVOIDED.

CLEAR CUTTING OF TREES AND MOWING OF VEGETATION SHOULD BE AVOIDED. BOTH REMOVE POTENTIAL HABITAT FOR MIGRATORY AND RESIDENT SPECIES. STANDING DEAD TREES ARE ALSO SUITABLE HABITAT FOR MANY SPECIES PROVIDING CAVITY NESTING SITES AND PREFERRED ROOSTING POSITIONS.

IMPLEMENTING STORMWATER POLLUTION PREVENTION PLAN BMPS PRE- AND POST- CONSTRUCTION WILL MINIMIZE POTENTIAL EROSION/SEDIMENTATION TO AQUATIC RESOURCE LOCATIONS.

CONTRACTORS SHOULD NOT CONDUCT FUELING OR LUBRICATING OF CONSTRUCTION EQUIPMENT OR OTHER MOTOR VEHICLES WITHIN 100 FT OF OPEN WATER SOURCES, OR OTHER WETLAND AREAS. MAJOR REPAIRS TO CONSTRUCTION EQUIPMENT SHOULD BE PERFORMED OFFSITE, WHERE POSSIBLE.

EA

BEST MANAGEMENT PRACTICES (BMPS) DESCRIBED IN THE SWPPP AND STIPULATIONS ASSOCIATED WITH THE CLEAN WATER ACT SECTION 401 CERTIFICATION AND SECTION 404 PERMIT WOULD EFFECTIVELY MITIGATE POTENTIAL EFFECTS TO SOILS AND WATER RESOURCES. BMPS TYPICALLY INCLUDE MEASURES TO SLOW RUN-OFF AND REDUCE EROSION THEREBY REDUCING EFFECTS TO SOILS AND SURFACE WATERS. GOOD HOUSEKEEPING BMPS WILL REDUCE THE RISK OF SPILLING POTENTIAL GROUND WATER AND SURFACE WATER CONTAMINANTS. STIPULATIONS ASSOCIATED WITH 401/404 COMPLIANCE WOULD MITIGATE OR OFFSET EFFECTS TO WETLANDS AND SURFACE WATER RESOURCES WITHIN THE PROJECT AREA. RE-VEGETATION OF THE EASEMENT WILL REDUCE SOIL LOSS BY REDUCING EROSION.

SOME DUST WILL BE GENERATED DURING CONSTRUCTION. MITIGATION MEASURES WILL INCLUDE REQUIREMENTS TO REDUCE DUST AS NEEDED DURING CONSTRUCTION BY WATERING DOWN OR COVERING DISTURBED AREAS.

THE PORTION OF THE PROPOSED OUTFALL LINE LOCATED UNDER THE NMDOT BRIDGES 6219 AND 6220 WILL BE BORED UNDERGROUND TO AVOID DISTURBING THE FOUNDATIONAL SUPPORT FOR THE BRIDGES. ANY DRIVEWAY CUTS WOULD BE RETURNED TO THEIR ORIGINAL CONDITION OR BETTER AT OR BEFORE COMPLETION OF THE PROJECT. TRAFFIC CONTROL DEVICES WILL BE EMPLOYED AS NEEDED DURING CONSTRUCTION ACTIVITIES.

EFFORTS WILL BE UTILIZED TO MINIMIZE NOISE IMPACTS. DUE TO THE PROXIMITY OF RESIDENCES, CONSTRUCTION ACTIVITIES SHOULD NOT TAKE PLACE OUTSIDE OF REGULAR WEEKDAY BUSINESS HOURS.

RE-VEGETATION OF THE EASEMENT WILL REDUCE DIRECT EFFECTS TO VEGETATION BY REPLACING REMOVED VEGETATION AND WILL REDUCE INDIRECT EFFECTS TO WILDLIFE BY REPLACING FORAGE AND COVER. FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES, DISTURBED AREAS WILL BE RESEED WITH NATIVE VEGETATION TO MINIMIZE EROSION.

TO MINIMIZE TRAPPING OF WILDLIFE DURING TRENCHING OPERATIONS, TRENCHING AND BACKFILLING PIPING WILL BE CONDUCTED CONCURRENTLY. A MINIMAL AMOUNT OF TRENCHING WILL BE KEPT OPEN OVERNIGHT, AND ESCAPE RAMPS WILL BE PROVIDED FOR WILDLIFE. ESCAPE RAMPS SHOULD BE CONSTRUCTED AT LEAST EVERY 300 FEET AND COULD CONSIST OF LATERAL TRENCHES OR PLANKS NOT TO EXCEED 45 DEGREES IN PITCH. TRENCHES SHOULD BE INSPECTED FOR WILDLIFE PRIOR TO BACKFILLING.

IF CONSTRUCTION ACTIVITIES ARE TO BEGIN DURING THE MIGRATORY BIRD NESTING SEASON (APRIL 15 - AUGUST 15), A PRECONSTRUCTION SURVEY FOR ACTIVE NESTS SHOULD BE CONDUCTED.

IN ORDER TO REDUCE THE POTENTIAL FOR SPREADING NOXIOUS WEEDS TO THE PROJECT AREA, NOXIOUS WEEDS SHOULD BE SPRAYED WITH HERBICIDE PRIOR TO START OF CONSTRUCTION ACTIVITIES, AS REQUIRED. NO OTHER MITIGATION MEASURES ARE REQUIRED FOR NOXIOUS WEEDS.

A QUALIFIED ARCHAEOLOGICAL CONSTRUCTION MONITOR WILL BE ONSITE DURING CONSTRUCTION ACTIVITIES WITHIN 100 FEET OF ALL PREVIOUSLY RECORDED SITES IN OR ADJACENT TO THE PROJECT AREA AS INDICATED IN THE ARCHAEOLOGICAL REPORT AND MONITORING REPORT.

IN ORDER TO PROVIDE FOR PROTECTION OF POSSIBLE CULTURAL RESOURCE MATERIALS DURING CONSTRUCTION ACTIVITIES, THE CONSTRUCTION CONTRACT DOCUMENTS SHOULD INCLUDE THE FOLLOWING OR SIMILAR LANGUAGE:

"IN THE EVENT OF A DISCOVERY ["DISCOVERY" MEANS ANY PREVIOUSLY UNIDENTIFIED OR INCORRECTLY IDENTIFIED CULTURAL RESOURCES, INCLUDING BUT NOT LIMITED TO, ARCHAEOLOGICAL DEPOSITS, HUMAN REMAINS, OR LOCATIONS REPORTEDLY ASSOCIATED WITH NATIVE AMERICAN RELIGIOUS/ TRADITIONAL BELIEFS OR PRACTICES], THE CONTRACTOR MUST IMMEDIATELY CEASE ALL OPERATIONS IN THE IMMEDIATE VICINITY OF THE DISCOVERY AND NOTIFY THE ENGINEER. THE CONTRACTOR SHOULD BE AWARE OF HIS/HER RESPONSIBILITIES UNDER THE NATIONAL HISTORIC PRESERVATION ACT OF 1966 AND THE ARCHAEOLOGICAL RESOURCES PROTECTION ACT OF 1979."

UPON NOTIFICATION OF A DISCOVERY BY THE CONTRACTOR, THE ENGINEER MUST IMMEDIATELY NOTIFY THE NEW MEXICO STATE HISTORIC PRESERVATION OFFICE (NMSHPO), AS WELL AS OTHER NATIVE AMERICAN GROUPS THAT HAVE REQUESTED NOTIFICATION (THE COMANCHE TRIBE, FOR EXAMPLE).

ALLOWANCE

PRE-CONSTRUCTION BIRD NESTING SURVEY AND QUALIFIED ARCHEOLOGIST SHALL BE PAID FOR BY THE CITY UNDER SEPARATE CONTRACT.

NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259

Designed For: **CITY OF AZTEC**

ENVIRONMENTAL NOTES

SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: DK
 DRAWN BY: CS
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:
 SHEET: **C003**

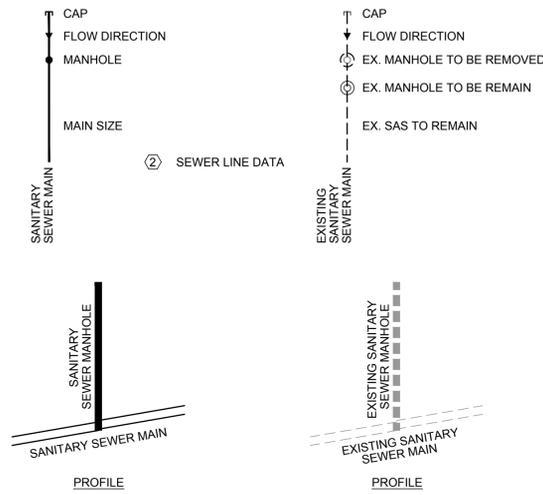
NOTICE OF EXTENDED PAYMENT
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INCIDENTAL WORK UNLESS OTHERWISE SPECIFIED IN THE CONTRACT DOCUMENTS, CONTRACTOR SHALL PROVIDE AND ASSUME FULL RESPONSIBILITY FOR ALL SERVICES, MATERIALS, EQUIPMENT, LABOR, TRANSPORTATION, CONSTRUCTION EQUIPMENT AND MACHINERY, TOOLS, APPLIANCES, FUEL, POWER, LIGHT, HEAT, TELEPHONE, WATER, SANITARY FACILITIES, TEMPORARY FACILITIES, AND ALL OTHER FACILITIES AND INCIDENTALS NECESSARY FOR THE PERFORMANCE, TESTING, START-UP, AND COMPLETION OF THE WORK. PREPARATION OF PERMIT APPLICATIONS AND PERMIT FEES ARE SOLELY CONTRACTOR RESPONSIBILITY.

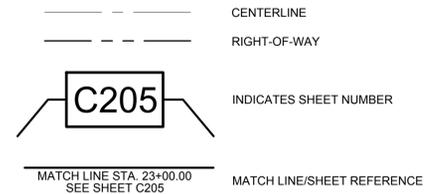
ESTIMATED QUANTITIES

BID ITEM	SPEC. NO.	DESCRIPTION	UNIT	EST. QTY.	AS-BUILT QUANTITY
1	201.01	SITE CLEARING AND GRUBBING, CIP	AC	1	
2	201.02	TREES, 12"-30" CIRC. R&D, CIP	LS	1	
3	202.011	ROADWAY EXCAVATE & DISPOSE UNSUITABLE MATERIAL, CIP	CY	100	
4	301.7.1	SUBGRADE PREPARATION, 12" @ 95% COMPACTION, CIP	SY	11,160	
5	302.6.2	TYPE 1 - AGGREGATE BASE COURSE 6" THICK, CLASS I	SY	11,160	
6	336.11.2.1.1	ASPHALT CONCRETE PAVEMENT, 3" THICK (1-1/2" TYPE B OVER 1-1/2" TYPE B) MACHINE LAYDOWN, CIP	SY	5,775	
7	336.3.2	PRIME COAT	TON	0.5000	
8	343.5.1.1	ROADWAY PAVEMENT REMOVALS/DISPOSAL, SAWCUT INCLUDED, CIP	SY	10,000	
9	343.5.1.3	REMOVE, DISPOSE & REPLACE EXISTING SIDEWALK & WALL AT W WTP HEADWORKS	LS	1	
10	410.6.3	CHAIN LINK FENCE, REMOVE, RESET, (MATCH EX.) CIP	LS	1	
11	450.4.7	REMOVE AND RESET TRAFFIC SIGNS W/ NEW BASE CIP	LS	1	
12	701.17.1.2	TRENCH, EXCAVATION, AND BACKFILL, LESS THAN 8' DEPTH, PIPE NOT INCL.	LF	3,180	
13	210005	TRENCH, EXCAVATION, AND BACKFILL, LESS THAN 12' DEPTH, PIPE NOT INCL. WITH SHORING	LF	750	
14	701.17.1.2	TRENCH, EXCAVATION, AND BACKFILL, 12'-16' DEPTH, PIPE NOT INCL. (UNIT PRICES 0-16)	LF	2,184	
15	701.17.1.2	TRENCH, EXCAVATION, AND BACKFILL, 16'-20' DEPTH, PIPE NOT INCL. (UNIT PRICES 0-20)	LF	1,456	
16	701.17.2	OVER-EXCAVATION	CY	500	
17	701.17.4	EXCAVATE AND DISPOSE OF UNSUITABLE MATERIAL, CIP	CY	6,000	
18	701.32	BACKFILL MATERIAL, SELECT, CIP	CY	6,000	
19	801	6" PVC C900 REUSE WATERLINE, PLACE IN OPEN TRENCH, CIP	LF	6,978	
20	801.22	6" AIR RELIEF ASSEMBLY, CIP	EA	9	
21	801	6" BLOW OFF VALVE ASSEMBLY, CIP	EA	10	
22	801.3.3	6" GATE VALVE AND BOX, CIP	EA	5	
23	801.3.3	RELOCATE GATE VALVE AND BOX	EA	1	
24	802	ADJUST WATER SERVICE CONNECTION	EA	1	
25	901/15000	12" HDPE PIPE, DR 21, PLACE IN OPEN TRENCH, CIP	LF	20	
26	901/15000	18" HDPE PIPE, DR 21, PLACE IN OPEN TRENCH, CIP	LF	2,500	
27	901/15000	24" HDPE PIPE, DR 21, PLACE IN OPEN TRENCH, CIP	LF	4,572	
28	901	30" RCP IV, PLACE IN OPEN TRENCH, CIP	LF	26	
29	901	CONNECT EXISTING SEWERLINE TO NEW MANHOLE	EA	6	
30	901	CONNECT NEW SEWERLINE TO EXISTING MANHOLE	EA	3	
31	901	REMOVE AND REPLACE FORCEMAIN, CIP	LS	1	
32	901	REMOVE AND DISPOSE EXISTING SAS LINE	LS	1	
33	901	REMOVE AND DISPOSE EXISTING MANHOLE (EX MH #1)	LS	1	
34	901.5.2	16" PVC PIPE, DR 21, PLACE IN OPEN TRENCH, CIP	LF	80	
35	901.5.2	6" PVC PIPE, DR 21, SEWER LATERAL, PLACE IN OPEN TRENCH, CIP	LF	871	
36	901.6.3	BY-PASS PUMP NO. 1	LS	1	
37	901.6.3	BY-PASS PUMP NO. 2	LS	1	
38	901.6.3	BY-PASS PUMP NO. 3	LS	1	
39	901.6.3	BY-PASS PUMP NO. 4	LS	1	
40	901.6.3	BY-PASS PUMP NO. 5	LS	1	
41	901.6.3	BY-PASS PUMP NO. 6	LS	1	
42	901.6.3	BY-PASS PUMP NO. 7	LS	1	
43	901.6.3	BY-PASS PUMP NO. 8	LS	1	
44	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 601 SWIRE	LS	1	
45	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 500 WESTERN DRIVE	LS	1	

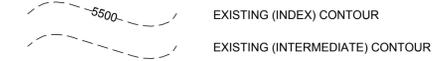
SANITARY SEWER



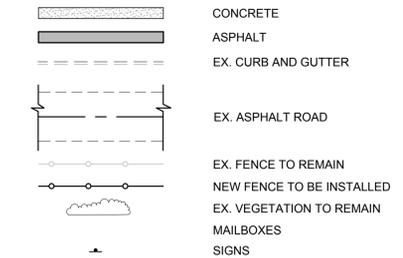
GENERAL



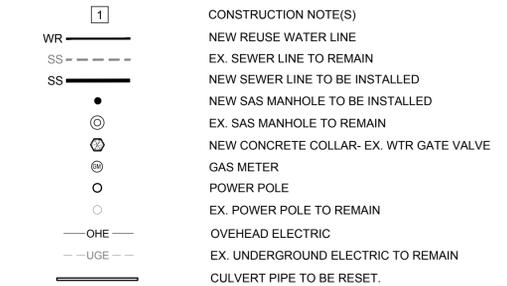
GRADING & DRAINAGE



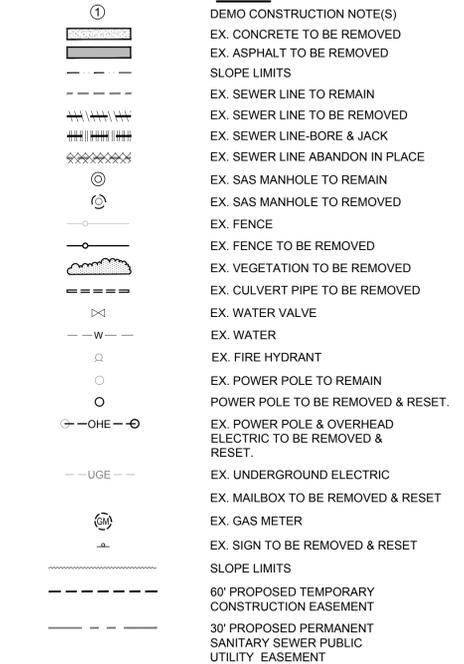
ROADS



UTILITY



DEMO



ESTIMATED QUANTITIES

BID ITEM	SPEC. NO.	DESCRIPTION	UNIT	EST. QTY.	AS-BUILT QUANTITY
46	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 502 WESTERN DRIVE	LS	1	
47	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 504 WESTERN DRIVE	LS	1	
48	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 506 WESTERN DRIVE	LS	1	
49	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 508 WESTERN DRIVE	LS	1	
50	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 510 WESTERN DRIVE	LS	1	
51	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 512 WESTERN DRIVE	LS	1	
52	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 514 WESTERN DRIVE	LS	1	
53	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 516 WESTERN DRIVE	LS	1	
54	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 518 WESTERN DRIVE	LS	1	
55	905	4" PVC SEWER SERVICE, PLACE IN OPEN TRENCH, CIP - 1000 W AZTEC BLVD	LS	1	
56	915	24" CMP CULVERT, REMOVE AND REPLACE, TRENCH AND BACKFILL INCL. CIP	LF	107	
57	915.4	REMOVE, DISPOSE AND INSTALL NEW DROP INLET	EA	1	
58	915.4	REMOVE INLET	EA	1	
59	920.085	EXISTING MANHOLE, ABANDON IN PLACE, CIP	EA	14	
60	920.07	MANHOLE, 4' DIA., 0'-14" DEEP, CIP	EA	1	
61	920.14	MANHOLE, 6' DIA., 0'-14" DEEP, CIP	EA	3	
62	920.15	MANHOLE, 6' DIA., 10'-15" DEEP, CIP	EA	14	
63	920.16	MANHOLE, 6' DIA., 15'-20" DEEP, CIP	EA	8	
64	920.17	MANHOLE, 8' DIA., 0'-14" DEEP, CIP	EA	1	
65	1011	SEEDING, CLASS "A", NATIVE, (DRILL SEED/STRAW MULCH) CIP	AC	20	
66	2999	NPDES STORM WATER PERMITTING / SWPPP	LS	1	
67	15030	CONSTRUCTION SURVEYING & STAKING	LS	1	
68	17010	TRAFFIC CONTROL AND BARRICADING	LS	1	
69	NMDOT	CONCRETE BOX CULVERT AND WING WALLS, CIP	LS	1	
70	DWG	CONNECT TO W WTP HEADWORKS, CIP	LS	1	
71	MUTCD	INSTALL OBJECT MARKERS TYPE 3 W/ POSTS CIP	EA	4	
72	STS 16000	MOBILIZATION	LS	1	



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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

PROJECT LEGEND AND QUANTITIES
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:
 SHEET: **C004**

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NOTICE OF EXTENDED PAYMENT

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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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259

City of Aztec

CONTROL & EXISTING SAS LAYOUT
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
DESIGNED BY: DK
DRAWN BY: CS
CHECKED BY: SAE
DATE: MARCH, 9 2016
DPW CHK:
SHEET: C101

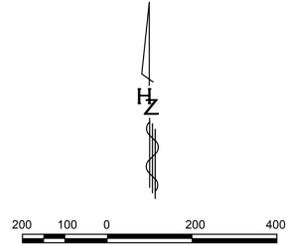
CONTROL POINT	DESCRIPTION	EASTING	NORTHING	ELEVATION
101		2673418.850	2121468.265	5613.320
102		2674091.912	2120803.173	5619.240
103		2671342.674	2120455.683	5624.686
104		2671353.874	2119881.900	5608.948
105		2672256.015	2119754.952	5586.429
106		2668802.695	2118697.059	5590.665
107		2669328.359	2117845.518	5566.433

PROJECT BENCHMARK - VIF MONUMENT EXISTS
TOP OF REBAR, PANEL POINT "HV-106"

SURVEY / NOTICE TO CONTRACTOR
 AERIAL MAPPING AND SURVEY CONTROL WAS PREPARED BY TR MANN AND ASSOCIATES ON AUGUST 11, 2009.
 LOCATION SURVEY OF EXISTING SANITARY SEWER WAS PREPARED BY CITY OF AZTEC IN JUNE, 2008.
 HUITT-ZOLLARS, INC. COMBINED THE AERIAL SURVEY AND THE LOCATION SURVEY IN THE OFFICE BASED ON SURVEY DATA PROVIDED BY OTHERS.

EASEMENT NOTE
 THE NEW SEWER LINE SHALL BE PLACED WITHIN CITY OF AZTEC RIGHTS-OF-WAY, CITY OWNED PROPERTIES, AND PERMANENT SANITARY SEWER LINE EASEMENT. GRAPHICAL DEPICTION OF RIGHT-OF-WAY, PARCEL BOUNDARIES, AND SEWER LINE EASEMENT ARE INCLUDED WITHIN THESE CONSTRUCTION DOCUMENTS. ADDITIONALLY, 60' WIDE TEMPORARY CONSTRUCTION EASEMENTS HAVE BEEN SECURED AS REQUIRED FOR PURPOSES TO CONSTRUCT THIS PROJECT. THESE TEMPORARY CONSTRUCTION EASEMENTS ARE ALSO SHOWN WITHIN.

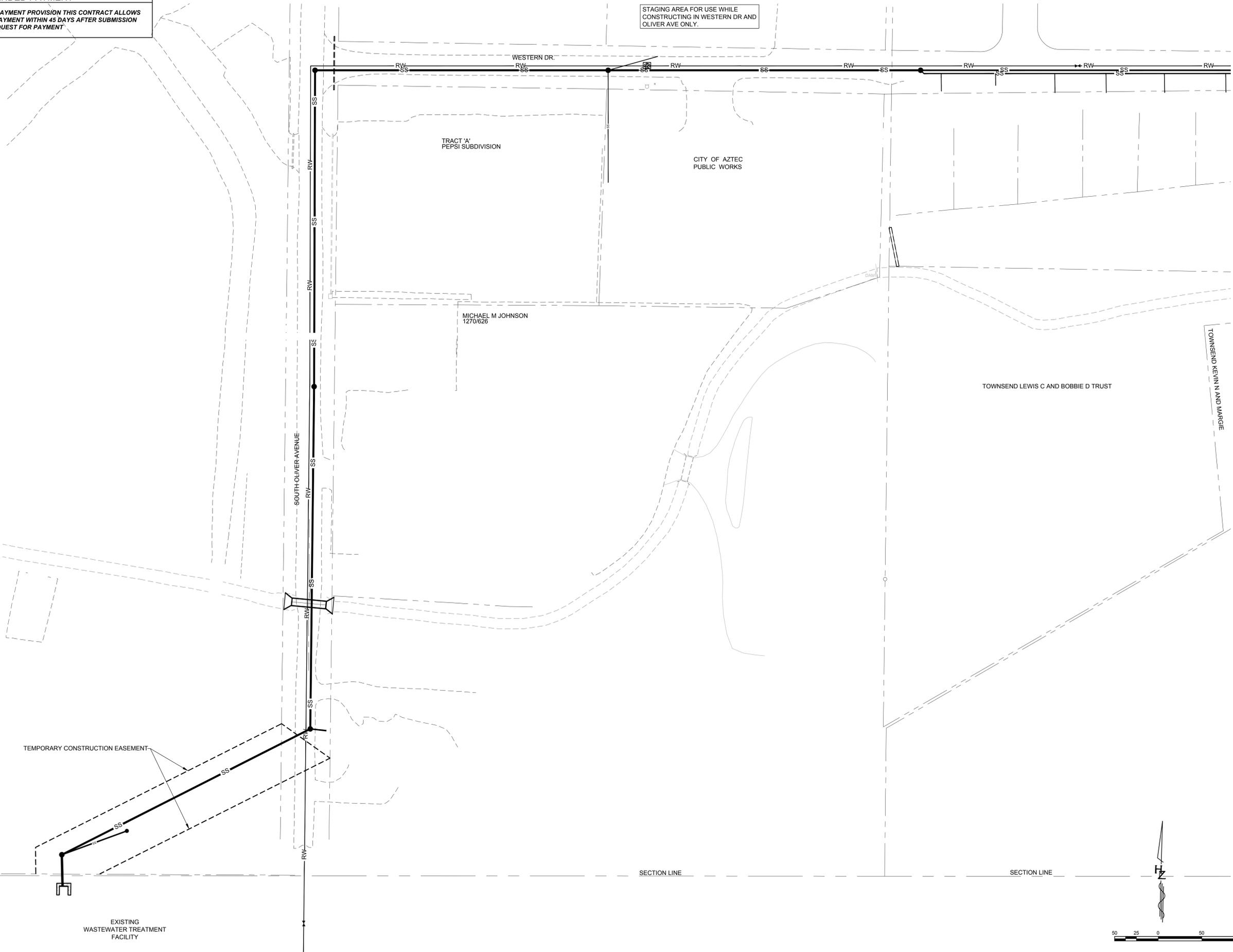
EXISTING SAS INTERCEPTOR CONDITION
 EXISTING 12" VCT SAS WAS INSTALLED IN 1950'S. PIPE IS FRAGILE AND SUBJECT TO RUPTURE/COLLAPSE. CONTRACTOR SHALL EXERCISE CAUTION WHILE WORKING ALONG ACTIVE PORTIONS OF THE EX. SAS.
 DAMAGE TO THE PIPE DURING CONSTRUCTION SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.



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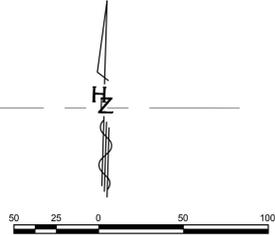
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STAGING AREA FOR USE WHILE CONSTRUCTING IN WESTERN DR AND OLIVER AVE ONLY.



TEMPORARY CONSTRUCTION EASEMENT

EXISTING WASTEWATER TREATMENT FACILITY



SANITARY SEWER LINE & REUSE WATERLINE

AZ 2016-549
 NMED CWSRF 021



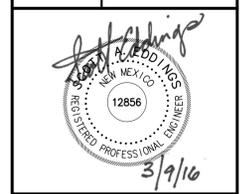
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 333 Rio Rancho Drive NE, Suite 101
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 Phone (505) 892-5141 Fax (505) 892-3259

Designed For:
CITY OF AZTEC

PROPERTY & EASEMENT INFO.

SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: DK
 DRAWN BY: CS
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:

SHEET:
C102

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NOTICE OF EXTENDED PAYMENT
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SEED MIX
 CONTRACTOR SHALL SUBMIT SEED MIX DESIGN TO THE CITY ENGINEER FOR APPROVAL

PROJECT BEST MANAGEMENT PRACTICES
 Standard construction practices will be implemented on-site (as applicable) to further minimize impacts to jurisdictional WOUS. Material resulting from construction will be placed in such a manner that it will not be dispersed by currents or other forces. Any exposed slopes will be stabilized immediately upon completion of the erosion mitigation.

- Appropriate measures will be taken to maintain normal downstream flows and minimize flooding to the maximum extent practicable when temporary structures, work and discharges, including offerdams, are necessary for construction activities, access fills, or dewatering of construction sites.
- Material resulting from trench excavation will be placed in such a manner that it will not be dispersed by currents or other forces. Any exposed slopes and stream banks will be stabilized immediately upon completion of the utility line crossing of each waterbody. The trench will not be constructed or backfilled in such a manner as to drain WOUS (e.g. backfilling with extensive gravel layers, creating a French drain effect).
- Following completion of construction, areas of temporary disturbance will be restored to preconstruction elevations and revegetated, as appropriate.

PROJECT SPECIAL ENVIRONMENTAL NOTES
 FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES, DISTURBED AREAS WILL BE RESEEDED WITH NATIVE VEGETATION TO MINIMIZE EROSION - UNLESS SCHEDULED FOR PAVEMENT.

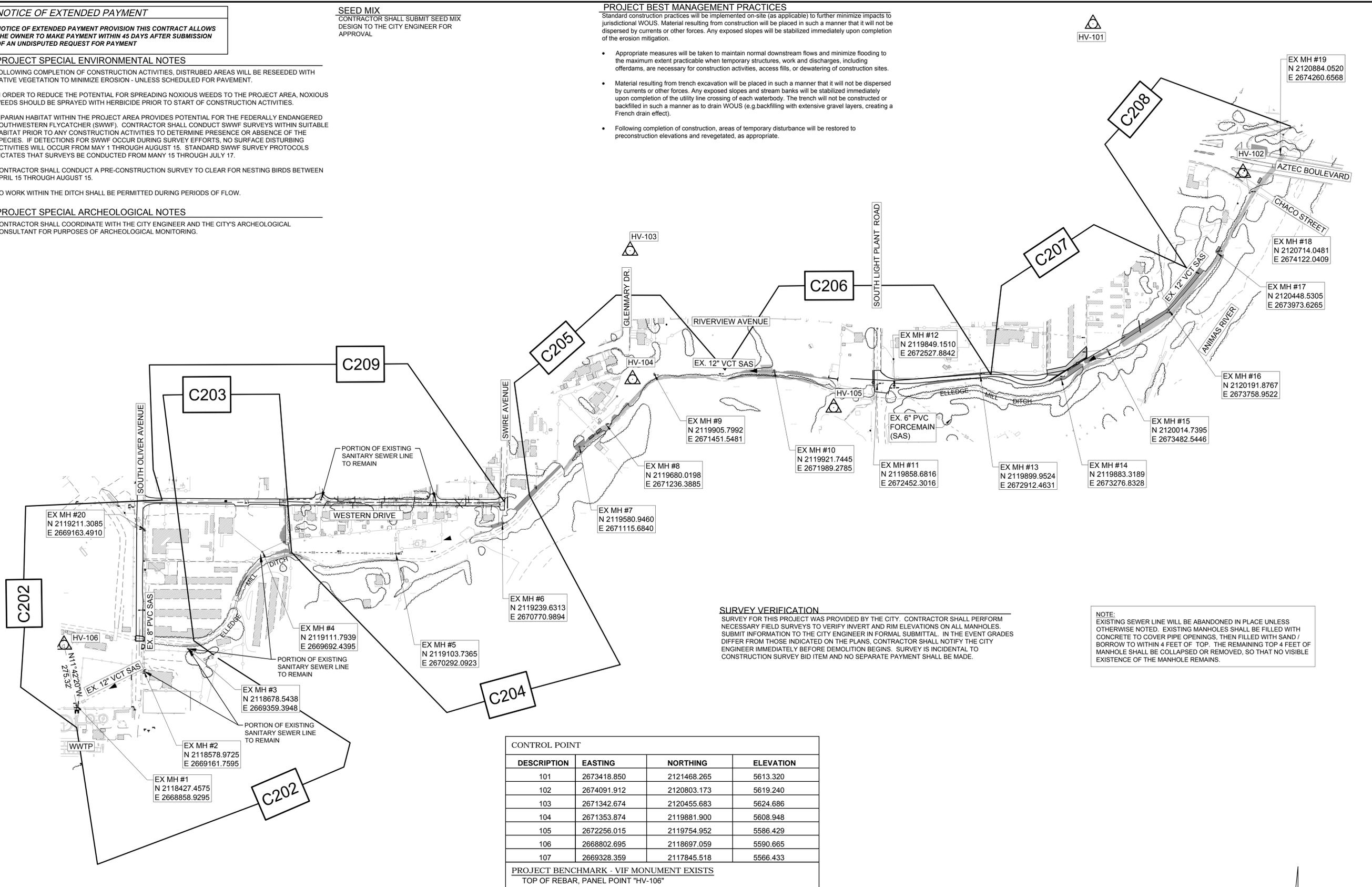
IN ORDER TO REDUCE THE POTENTIAL FOR SPREADING NOXIOUS WEEDS TO THE PROJECT AREA, NOXIOUS WEEDS SHOULD BE SPRAYED WITH HERBICIDE PRIOR TO START OF CONSTRUCTION ACTIVITIES.

RIPARIAN HABITAT WITHIN THE PROJECT AREA PROVIDES POTENTIAL FOR THE FEDERALLY ENDANGERED SOUTHWESTERN FLYCATCHER (SWWF). CONTRACTOR SHALL CONDUCT SWWF SURVEYS WITHIN SUITABLE HABITAT PRIOR TO ANY CONSTRUCTION ACTIVITIES TO DETERMINE PRESENCE OR ABSENCE OF THE SPECIES. IF DETECTIONS FOR SWWF OCCUR DURING SURVEY EFFORTS, NO SURFACE DISTURBING ACTIVITIES WILL OCCUR FROM MAY 1 THROUGH AUGUST 15. STANDARD SWWF SURVEY PROTOCOLS DICTATES THAT SURVEYS BE CONDUCTED FROM MANY 15 THROUGH JULY 17.

CONTRACTOR SHALL CONDUCT A PRE-CONSTRUCTION SURVEY TO CLEAR FOR NESTING BIRDS BETWEEN APRIL 15 THROUGH AUGUST 15.

NO WORK WITHIN THE DITCH SHALL BE PERMITTED DURING PERIODS OF FLOW.

PROJECT SPECIAL ARCHEOLOGICAL NOTES
 CONTRACTOR SHALL COORDINATE WITH THE CITY ENGINEER AND THE CITY'S ARCHEOLOGICAL CONSULTANT FOR PURPOSES OF ARCHEOLOGICAL MONITORING.

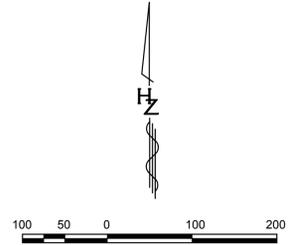


SURVEY VERIFICATION
 SURVEY FOR THIS PROJECT WAS PROVIDED BY THE CITY. CONTRACTOR SHALL PERFORM NECESSARY FIELD SURVEYS TO VERIFY INVERT AND RIM ELEVATIONS ON ALL MANHOLES. SUBMIT INFORMATION TO THE CITY ENGINEER IN FORMAL SUBMITTAL. IN THE EVENT GRADES DIFFER FROM THOSE INDICATED ON THE PLANS, CONTRACTOR SHALL NOTIFY THE CITY ENGINEER IMMEDIATELY BEFORE DEMOLITION BEGINS. SURVEY IS INCIDENTAL TO CONSTRUCTION SURVEY BID ITEM AND NO SEPARATE PAYMENT SHALL BE MADE.

NOTE:
 EXISTING SEWER LINE WILL BE ABANDONED IN PLACE UNLESS OTHERWISE NOTED. EXISTING MANHOLES SHALL BE FILLED WITH CONCRETE TO COVER PIPE OPENINGS, THEN FILLED WITH SAND / BORROW TO WITHIN 4 FEET OF TOP. THE REMAINING TOP 4 FEET OF MANHOLE SHALL BE COLLAPSED OR REMOVED, SO THAT NO VISIBLE EXISTENCE OF THE MANHOLE REMAINS.

CONTROL POINT			
DESCRIPTION	EASTING	NORTHING	ELEVATION
101	2673418.850	2121468.265	5613.320
102	2674091.912	2120803.173	5619.240
103	2671342.674	2120455.683	5624.686
104	2671353.874	2119881.900	5608.948
105	2672256.015	2119754.952	5586.429
106	2668802.695	2118697.059	5590.665
107	2669328.359	2117845.518	5566.433

PROJECT BENCHMARK - VIF MONUMENT EXISTS
 TOP OF REBAR, PANEL POINT "HV-106"



AZ 2016-549
 NMED CWSRF 021



NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 City of Aztec

DEMOLITION INDEX SHEET
 SANITARY SEWER LINE
 AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:

SHEET:
C201

Printed: 3/9/16 11:05:48 AM. By: Matthew C. Smith
 C:\projects\170788\170788-01\CWSRF_021.dwg
 Last Saved: 2/12/2016 11:35:02 AM. cmath@ci.aztec.nm.gov

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

DEMO CONSTRUCTION NOTES

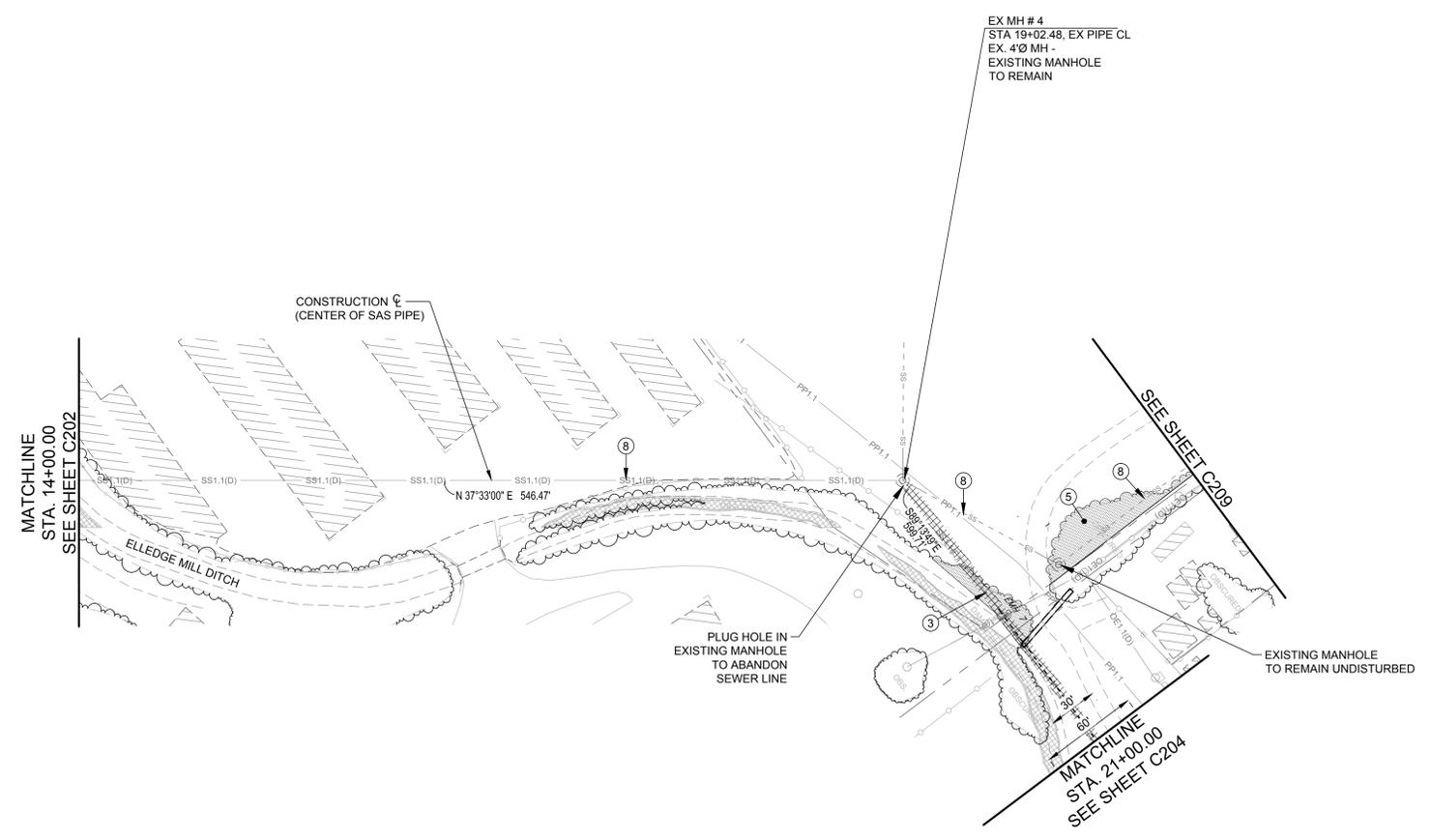
- ① NOT USED.
- ② EXISTING MANHOLES SHALL BE FILLED WITH CONCRETE ±2 FEET DEEP TO COVER PIPE HOLES, THEN FILLED WITH SAND / BORROW TO WITHIN 4 FEET OF TOP. THE REMAINING TOP 4 FEET OF MANHOLE WILL BE COLLAPSED OR REMOVED, SO THAT NO VISIBLE EXISTENCE OF THE MANHOLE REMAINS.
- ③ EX. SEWER LINE ABANDON IN PLACE.
- ⑧ EXISTING SEWER LINE TO REMAIN.



AZ 2016-549
 NMED CWSRF 021

LEGEND

- EX. CONCRETE TO BE REMOVED
- EX. ASPHALT TO BE REMOVED
- EX. SEWER LINE TO REMAIN
- EX. SEWER LINE TO BE REMOVED
- EX. SEWER LINE ABANDON IN PLACE
- EX. SAS MANHOLE TO REMAIN
- EX. SAS MANHOLE TO BE REMOVED
- EX. FENCE
- EX. FENCE TO BE REMOVED
- EX. VEGETATION TO BE REMOVED
- EX. CULVERT PIPE TO BE REMOVED
- EX. WATER VALVE
- EX. WATER
- EX. POWER POLE TO REMAIN
- EX. POWER POLE & OVERHEAD ELECTRIC TO BE REMOVED & RESET.
- EX. UNDERGROUND ELECTRIC



EX. SANITARY SEWER LINE

NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259

Designed For: **CITY OF AZTEC**

DEMOLITION PLAN

SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
DESIGNED BY: SAE
DRAWN BY: LRT
CHECKED BY: SAE
DATE: MARCH, 9 2016
DPW CHK:
SHEET: C203

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NOTICE OF EXTENDED PAYMENT
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DEMO CONSTRUCTION NOTES

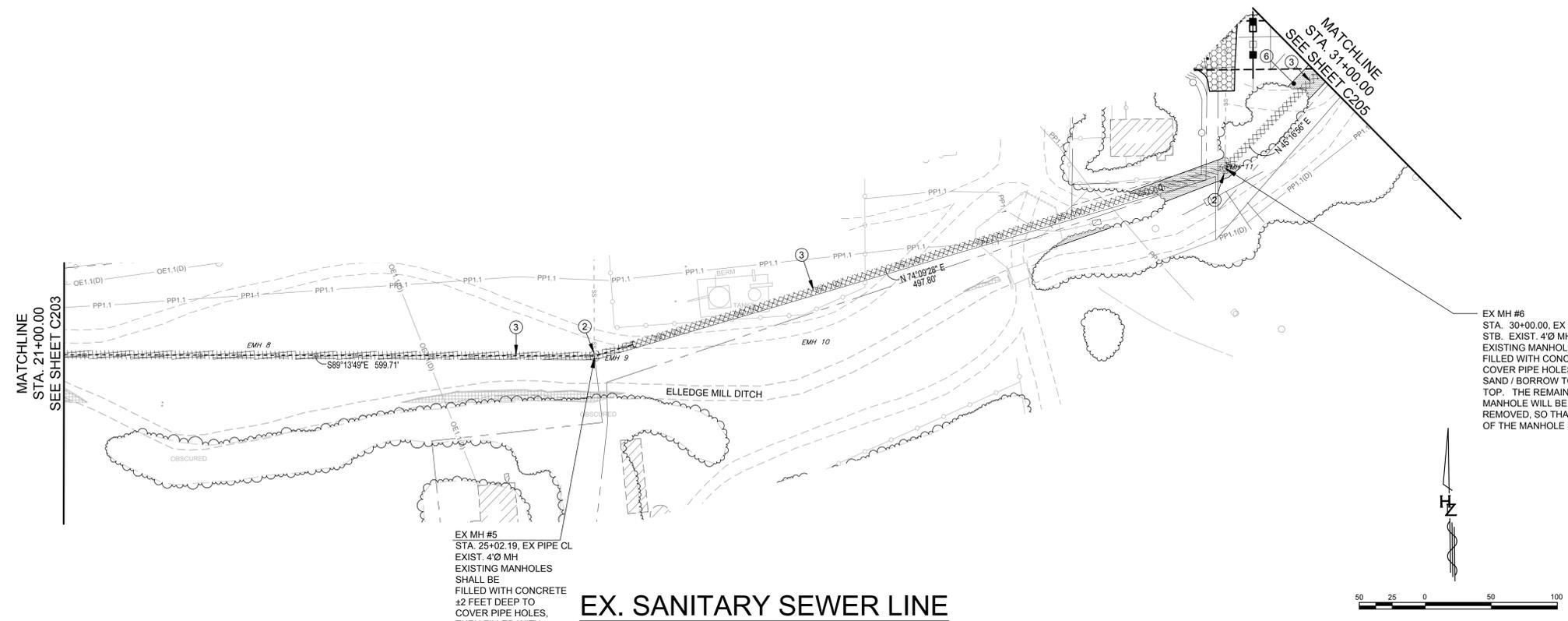
- ① NOT USED.
- ② EXISTING MANHOLES SHALL BE FILLED WITH CONCRETE ±2 FEET DEEP TO COVER PIPE HOLES, THEN FILLED WITH SAND / BORROW TO WITHIN 4 FEET OF TOP. THE REMAINING TOP 4 FEET OF MANHOLE WILL BE COLLAPSED OR REMOVED, SO THAT NO VISIBLE EXISTENCE OF THE MANHOLE REMAINS.
- ③ EX. SEWER LINE ABANDON IN PLACE.

LEGEND

- EX. CONCRETE TO BE REMOVED
- EX. ASPHALT TO BE REMOVED
- EX. SEWER LINE TO REMAIN
- EX. SEWER LINE TO BE REMOVED
- EX. SEWER LINE ABANDON IN PLACE
- EX. SAS MANHOLE TO REMAIN
- EX. SAS MANHOLE TO BE REMOVED
- EX. FENCE
- EX. FENCE TO BE REMOVED
- EX. VEGETATION TO BE REMOVED
- EX. POWER POLE TO BE REMOVED
- EX. OVERHEAD ELECTRIC
- SLOPE LIMITS



NO.	DESCRIPTION	DATE	BY
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EX MH #5
 STA. 25+02.19, EX PIPE CL
 EXIST. 4'Ø MH
 EXISTING MANHOLES
 SHALL BE
 FILLED WITH CONCRETE
 ±2 FEET DEEP TO
 COVER PIPE HOLES,
 THEN FILLED WITH
 SAND / BORROW TO
 WITHIN 4 FEET OF
 TOP. THE REMAINING
 TOP 4 FEET OF
 MANHOLE WILL BE
 COLLAPSED OR
 REMOVED, SO THAT NO
 VISIBLE EXISTENCE
 OF THE MANHOLE
 REMAINS.

EX. SANITARY SEWER LINE

EX MH #6
 STA. 30+00.00, EX PIPE CL
 STB. EXIST. 4'Ø MH
 EXISTING MANHOLES SHALL BE
 FILLED WITH CONCRETE ±2 FEET DEEP TO
 COVER PIPE HOLES, THEN FILLED WITH
 SAND / BORROW TO WITHIN 4 FEET OF
 TOP. THE REMAINING TOP 4 FEET OF
 MANHOLE WILL BE COLLAPSED OR
 REMOVED, SO THAT NO VISIBLE EXISTENCE
 OF THE MANHOLE REMAINS.



Designed By:
HUITZOLLARS
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For:
CITY OF AZTEC

DEMOLITION PLAN
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:
 SHEET:
C204

Printed: 3/9/2016 1:44:48 AM. By: Matthew_Cochran
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NOTICE OF EXTENDED PAYMENT
 NOTICE OF EXTENDED PAYMENT PROVISION THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

- DEMO CONSTRUCTION NOTES**
- EX. SEWER LINE ABANDON IN PLACE.
 - EXISTING MANHOLES SHALL BE FILLED WITH CONCRETE ±2 FEET DEEP TO COVER PIPE HOLES, THEN FILLED WITH SAND / BORROW TO WITHIN 4 FEET OF TOP. THE REMAINING TOP 4 FEET OF MANHOLE WILL BE COLLAPSED OR REMOVED, SO THAT NO VISIBLE EXISTENCE OF THE MANHOLE REMAINS.
 - REMOVE & RESET EXISTING FENCE.
 - NOT USED
 - EX. SHED TO BE RELOCATED (INCIDENTAL TO CONSTRUCTION)
 - REMOVE EXISTING DEBRIS.
 - PROTECT EX. BRIDGE STRUCTURE.



NO.	DESCRIPTION	DATE	BY
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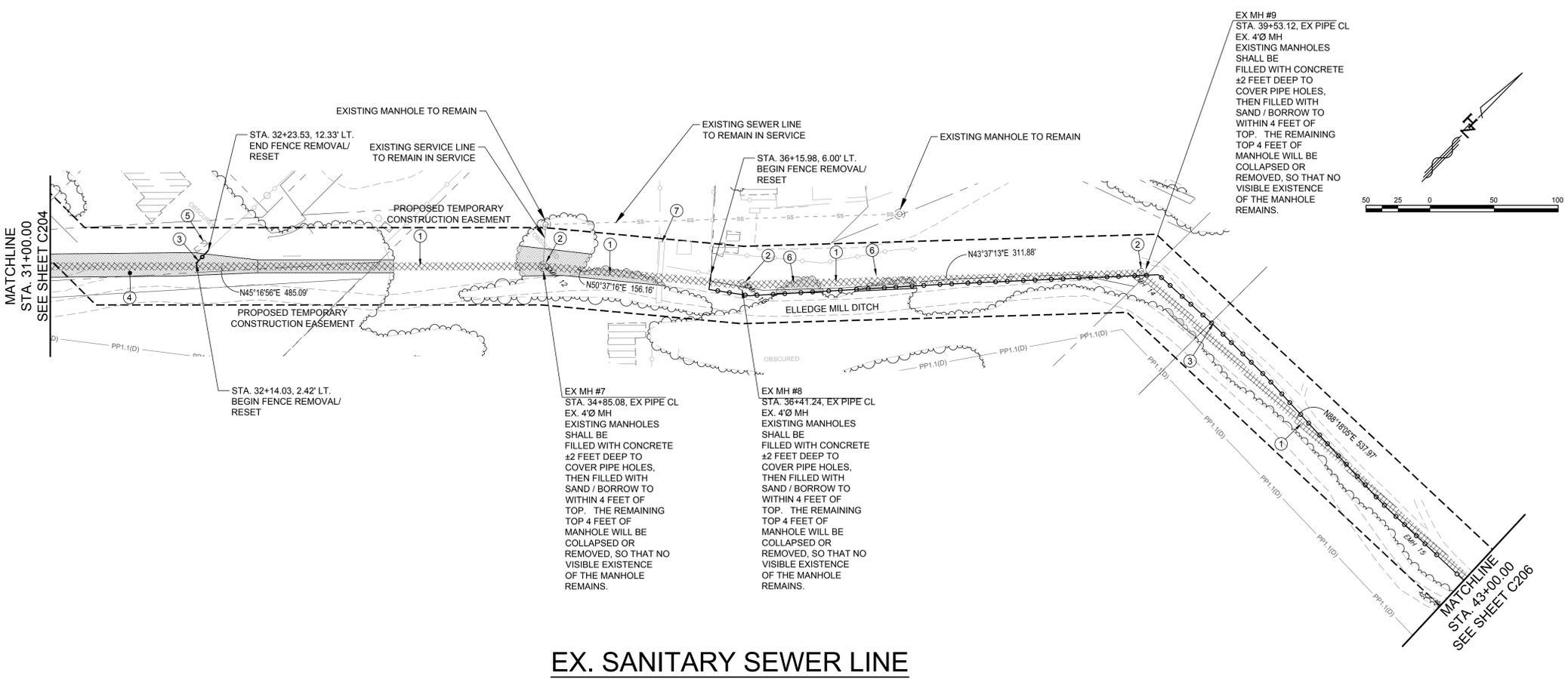
- LEGEND**
- EX. CONCRETE TO BE REMOVED
 - EX. ASPHALT TO BE REMOVED
 - EX. SEWER LINE TO REMAIN
 - EX. SEWER LINE TO BE REMOVED
 - EX. SEWER LINE ABANDON IN PLACE
 - EX. SAS MANHOLE TO REMAIN
 - EX. SAS MANHOLE TO BE REMOVED
 - EX. FENCE
 - EX. FENCE TO BE REMOVED
 - EX. VEGETATION TO BE REMOVED
 - EX. CULVERT PIPE TO BE REMOVED
 - EX. WATER VALVE
 - EX. WATER
 - EX. POWER POLE TO REMAIN

Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

DEMOLITION PLAN
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:
 SHEET: **C205**



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

- DEMO CONSTRUCTION NOTES**
- EX. SEWER LINE ABANDON IN PLACE.
 - EXISTING MANHOLES SHALL BE FILLED WITH CONCRETE 42 FEET DEEP TO COVER PIPE HOLES. THEN FILLED WITH SAND / BORROW TO WITHIN 4 FEET OF TOP. THE REMAINING TOP 4 FEET OF MANHOLE WILL BE COLLAPSED OR REMOVED, SO THAT NO VISIBLE EXISTENCE OF THE MANHOLE REMAINS.
 - REMOVE, & RESET EXISTING FENCE.
 - REMOVE, DISPOSE ASPHALT.
 - REMOVE & DISPOSE VEGETATION.
 - PROTECT EX. POWER POLE.

LEGEND

	EX. CONCRETE TO BE REMOVED
	EX. ASPHALT TO BE REMOVED
	EX. SEWER LINE TO REMAIN
	EX. SEWER LINE TO BE REMOVED
	EX. SEWER LINE ABANDON IN PLACE
	EX. SAS MANHOLE TO REMAIN
	EX. SAS MANHOLE TO BE REMOVED
	EX. FENCE
	EX. VEGETATION TO BE REMOVED
	EX. CULVERT PIPE TO BE REMOVED
	EX. WATER VALVE
	EX. WATER
	EX. POWER POLE TO REMAIN
	SLOPE LIMITS

AZ 2016-549
 NMED CWSRF 021

NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259

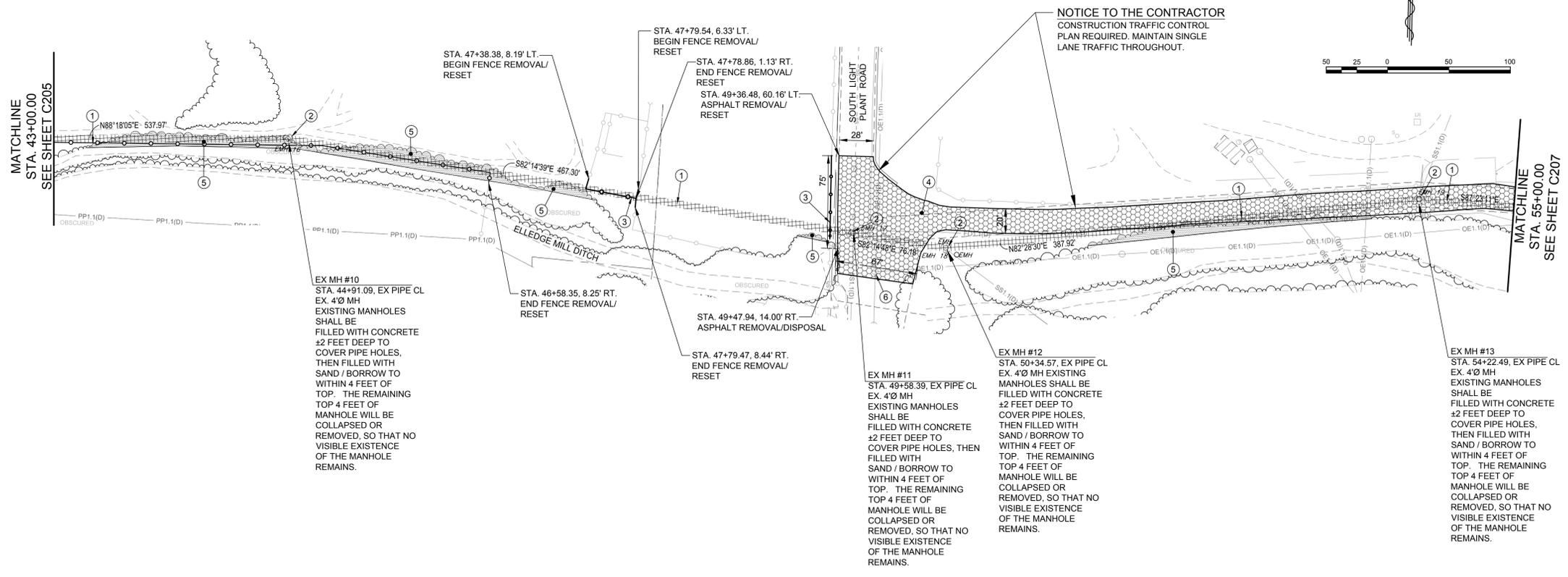
City of Aztec

DEMOLITION PLAN

SANITARY SEWER LINE
 AZTEC, NEW MEXICO

3/9/16

PROJECT NO. 17-0788-01
DESIGNED BY: SAE
DRAWN BY: LRT
CHECKED BY: SAE
DATE: MARCH, 9 2016
DPW CHK:
SHEET: C206



EX. SANITARY SEWER LINE

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

DEMO CONSTRUCTION NOTES

- ① REMOVE & DISPOSE EX. SEWER LINE.
- ② EXISTING MANHOLES SHALL BE FILLED WITH CONCRETE ±2 FEET DEEP TO COVER PIPE HOLES, THEN FILLED WITH SAND / BORROW TO WITHIN 4 FEET OF TOP. THE REMAINING TOP 4 FEET OF MANHOLE WILL BE COLLAPSED OR REMOVED, SO THAT NO VISIBLE EXISTENCE OF THE MANHOLE REMAINS.
- ③ REMOVE & RESET EXISTING FENCE.
- ④ REMOVE, DISPOSE ASPHALT.
- ⑤ REMOVE & DISPOSE VEGETATION.
- ⑥ PROTECT EX. PIPELINE.
- ⑦ STA. 60+44.29, 11.40' LT. REMOVE & RESET EX. DROP INLET STRUCTURE.
- ⑧ EX. SEWER LINE TO REMAIN, ABANDON IN PLACE.
- ⑨ STA. 58+34.77, 8.91' LT. REMOVE & RESET EX. POWER POLE. CONTRACTOR SHALL COORDINATE WITH CITY OF AZTEC ELECTRIC.

LEGEND

- EX. CONCRETE TO BE REMOVED
- EX. ASPHALT TO BE REMOVED
- EX. SEWER LINE TO REMAIN
- EX. SEWER LINE TO BE REMOVED
- EX. SEWER LINE - BORE & JACK
- EX. SAS MANHOLE TO REMAIN
- EX. SAS MANHOLE TO BE REMOVED
- EX. FENCE
- EX. FENCE TO BE REMOVED
- EX. VEGETATION TO BE REMOVED
- EX. CULVERT PIPE TO BE REMOVED
- EX. WATER VALVE
- EX. WATER
- EX. POWER POLE TO BE REMOVED & RESET
- EX. POWER POLE TO REMAIN

AZ 2016-549
 NMED CWSRF 021



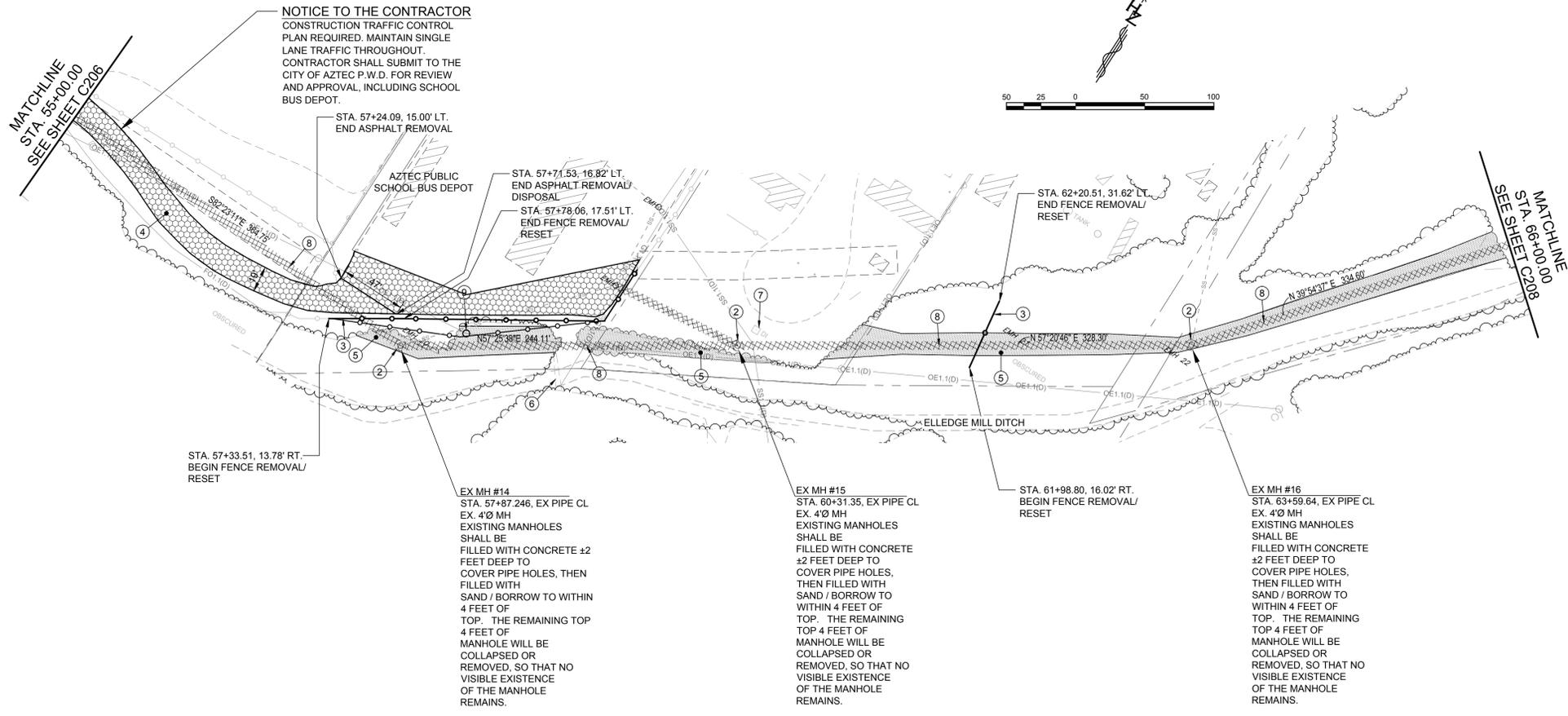
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 City of Aztec

DEMOLITION PLAN
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:
 SHEET: **C207**



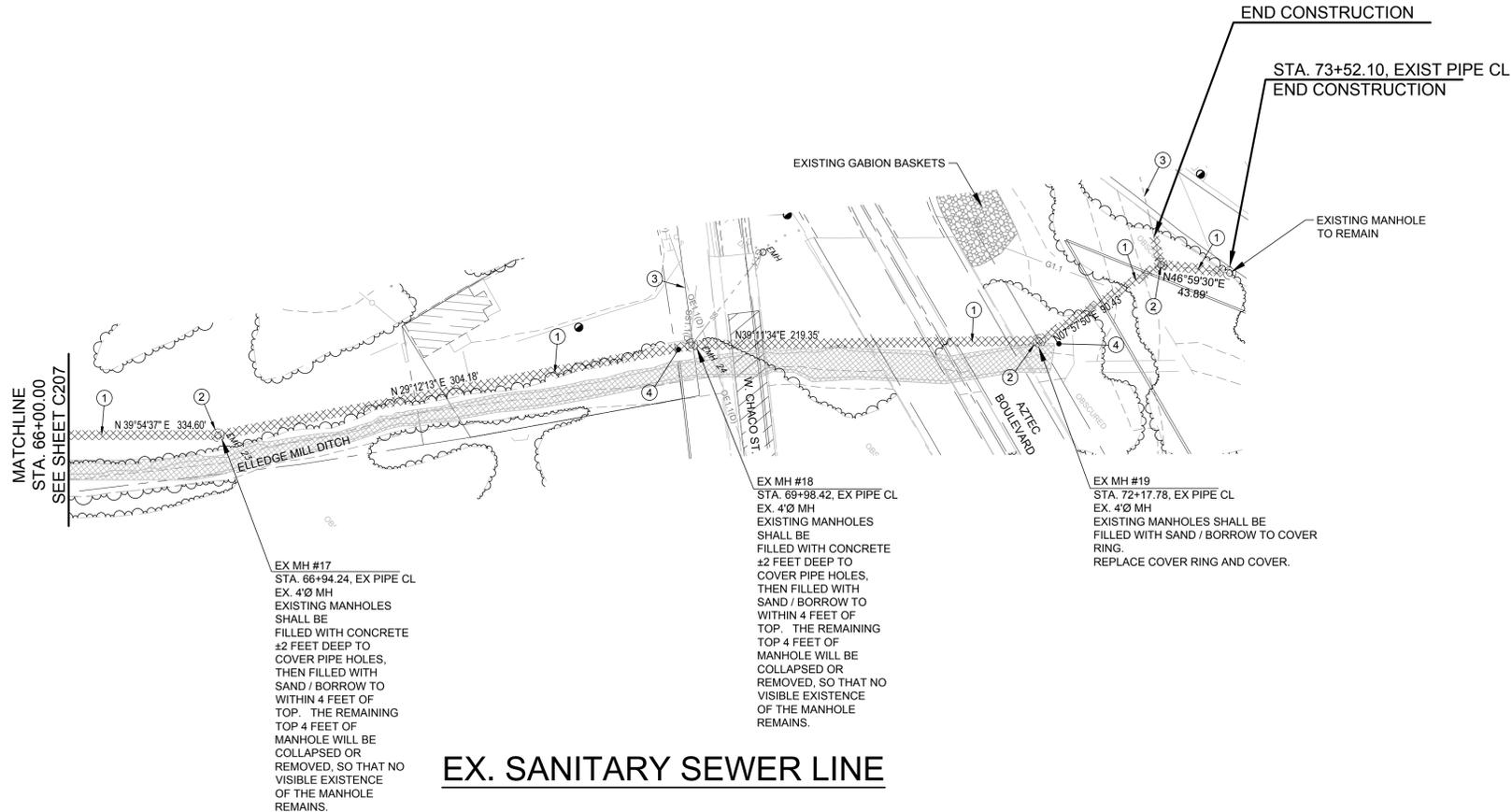
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NOTICE OF EXTENDED PAYMENT
 NOTICE OF EXTENDED PAYMENT PROVISION THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

- DEMO CONSTRUCTION NOTES**
- EX. SEWER LINE ABANDON IN PLACE.
 - EXISTING MANHOLES SHALL BE FILLED WITH CONCRETE 42 FEET DEEP TO COVER PIPE HOLES, THEN FILLED WITH SAND / BORROW TO WITHIN 4 FEET OF TOP. THE REMAINING TOP 4 FEET OF MANHOLE WILL BE COLLAPSED OR REMOVED, SO THAT NO VISIBLE EXISTENCE OF THE MANHOLE REMAINS.
 - EX. SEWER LINE TO REMAIN.
 - REMOVE & DISPOSE EX. VEGETATION.

- LEGEND**
- EX. CONCRETE TO BE REMOVED
 - EX. ASPHALT TO BE REMOVED
 - EX. SEWER LINE TO REMAIN
 - EX. SEWER LINE TO BE REMOVED
 - EX. SEWER LINE ABANDON IN PLACE
 - EX. SEWER LINE-BORE & JACK
 - EX. SAS MANHOLE TO REMAIN
 - EX. SAS MANHOLE TO BE REMOVED
 - EX. FENCE
 - EX. FENCE TO BE REMOVED
 - EX. VEGETATION TO BE REMOVED
 - EX. CULVERT PIPE TO BE REMOVED
 - EX. WATER VALVE
 - EX. WATER
 - EX. POWER POLE TO REMAIN



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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
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 Phone (505) 892-5141 Fax (505) 892-3259

Designed For: **CITY OF AZTEC**

DEMOLITION PLAN

SANITARY SEWER LINE

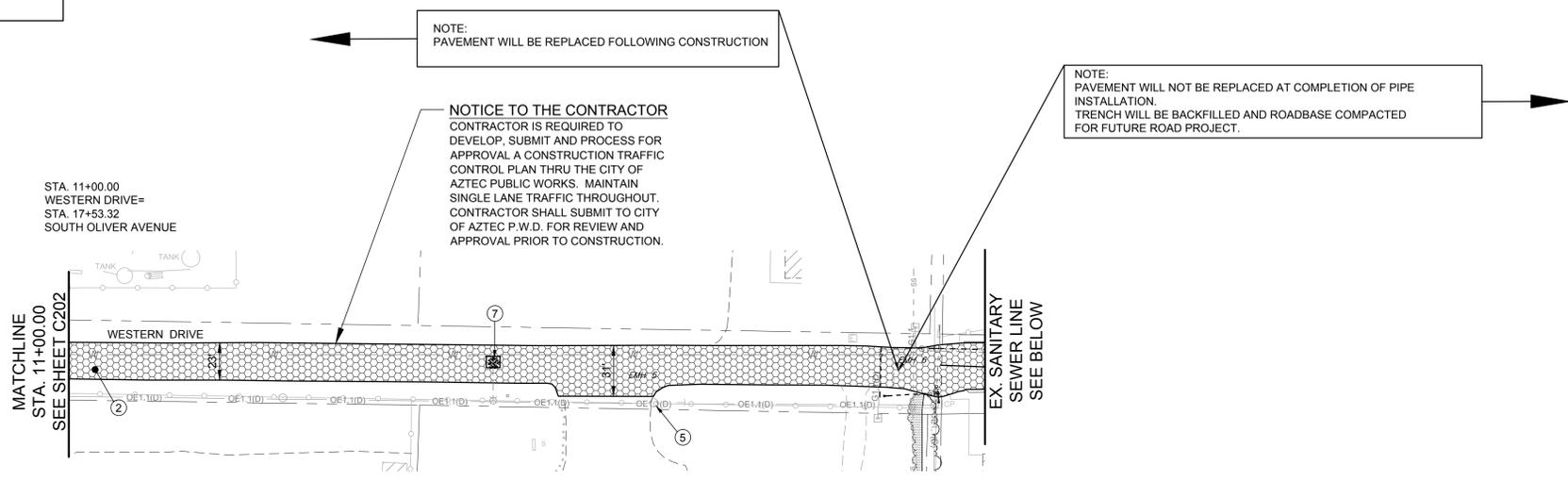
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
DESIGNED BY: SAE
DRAWN BY: LRT
CHECKED BY: SAE
DATE: MARCH, 9 2016
DPW CHK:
SHEET: C208

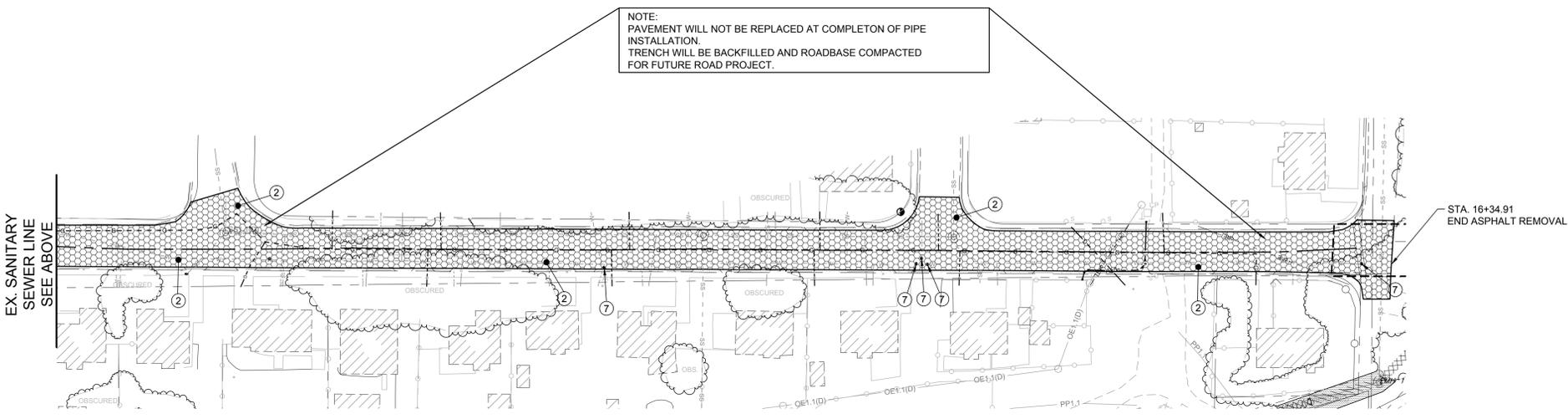
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NOTICE OF EXTENDED PAYMENT
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WESTERN DRIVE

NOTES:
 SEE SHEETS C301 THRU C308 FOR CONSTRUCTION.
 CONTRACTOR TO COORDINATE CROSS SECTIONS AT VARIOUS STATIONINGS FOR EXTRA TRENCH CONSTRUCTION.



WESTERN DRIVE

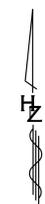
NOTES:
 SEE SHEETS C301 THRU C308 FOR CONSTRUCTION.
 CONTRACTOR TO COORDINATE CROSS SECTIONS AT VARIOUS STATIONINGS FOR EXTRA TRENCH CONSTRUCTION.

DEMO CONSTRUCTION NOTES

- ① NOT USED
- ② REMOVE, DISPOSE OF ASPHALT.
- ③ NOT USED
- ④ NOT USED
- ⑤ PROTECT EX. POWER POLES. CONTRACTOR SHALL COORDINATE WITH CITY OF AZTEC ELECTRIC.
- ⑥ NOT USED
- ⑦ FIELD VERIFY LOCATION OF EX. WTR GATE VALVE PRIOR TO CONSTRUCTION.
- ⑧ NOT USED

LEGEND

- EX. CONCRETE TO BE REMOVED
- EX. ASPHALT TO BE REMOVED
- EX. SEWER LINE TO REMAIN
- EX. SEWER LINE TO BE REMOVED
- EX. SEWER LINE ABANDON IN PLACE
- EX. SAS MANHOLE TO REMAIN
- EX. SAS MANHOLE TO REMOVED
- EX. FENCE
- EX. FENCE TO BE REMOVED
- EX. VEGETATION TO BE REMOVED
- EX. CULVERT PIPE TO BE REMOVED
- EX. WATER VALVE
- EX. WATER
- EX. POWER POLE TO REMAIN



AZ 2016-549
 NMED CWSRF 021



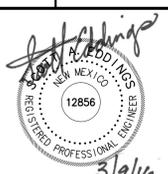
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Designed By:
HUIT-ZOLLARS
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259

Designed For:
CITY OF AZTEC

DEMOLITION PLAN

SANITARY SEWER LINE
 AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:

SHEET:
C209

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

PIPE AND MANHOLE BUOYANCY PROTECTION

CONTRACTOR SHALL ANCHOR SANITARY SEWER LINE AND MANHOLES TO RESIST BUOYANCY FORCES THROUGHOUT PROJECT LIMITS. SUBMIT DETAILS TO CITY ENGINEER FOR APPROVAL. BUOYANCY PROTECTION IS INCIDENTAL TO THE PROJECT.



AZ 2016-549
 NMED CWSRF 021

NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

UTILITY INDEX SHEET
 SANITARY SEWER LINE
 AZTEC, NEW MEXICO

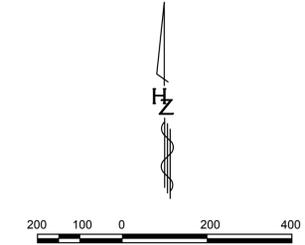
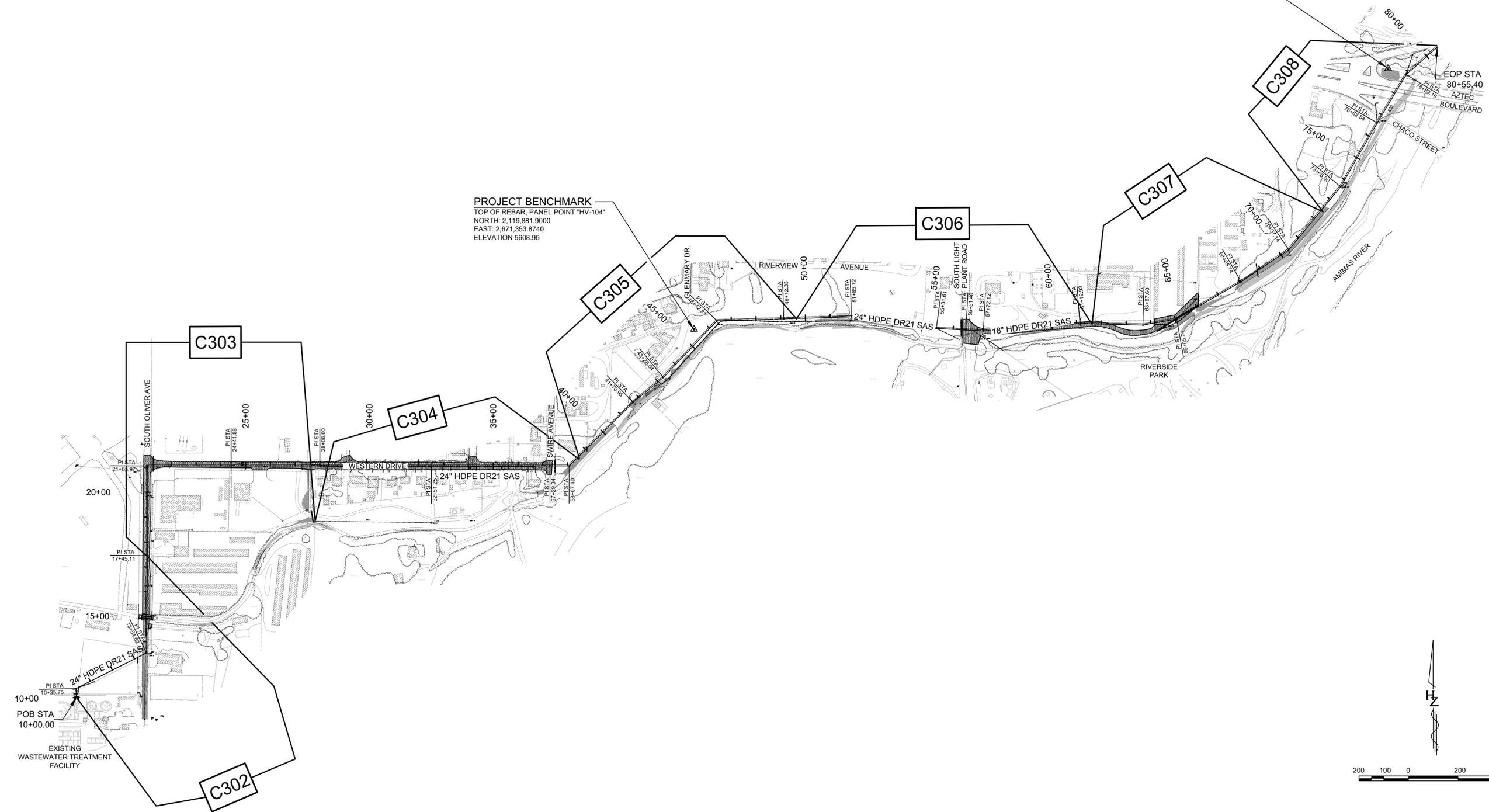


PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:

SHEET: **C301**

PROJECT BENCHMARK
 TOP OF REBAR, PANEL POINT "HV-104"
 NORTH: 2,120,803.1730
 EAST: 2,674,091.9120
 ELEVATION 5619.24

PROJECT BENCHMARK
 TOP OF REBAR, PANEL POINT "HV-104"
 NORTH: 2,119,881.9000
 EAST: 2,671,353.8740
 ELEVATION 5608.95



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 Last Saved: 2/12/2016 11:44:44 AM cmattheisen

NOTICE OF EXTENDED PAYMENT

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

AZ 2016-549
NMED CWSRF 021



CONSTRUCTION NOTES

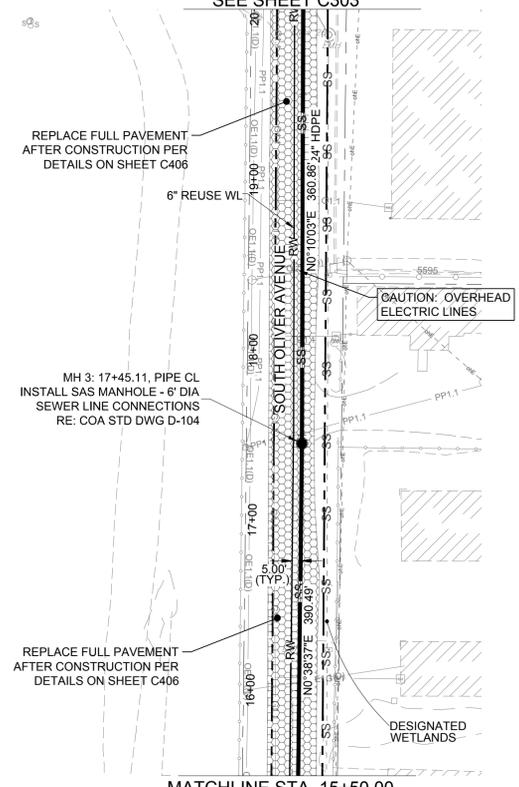
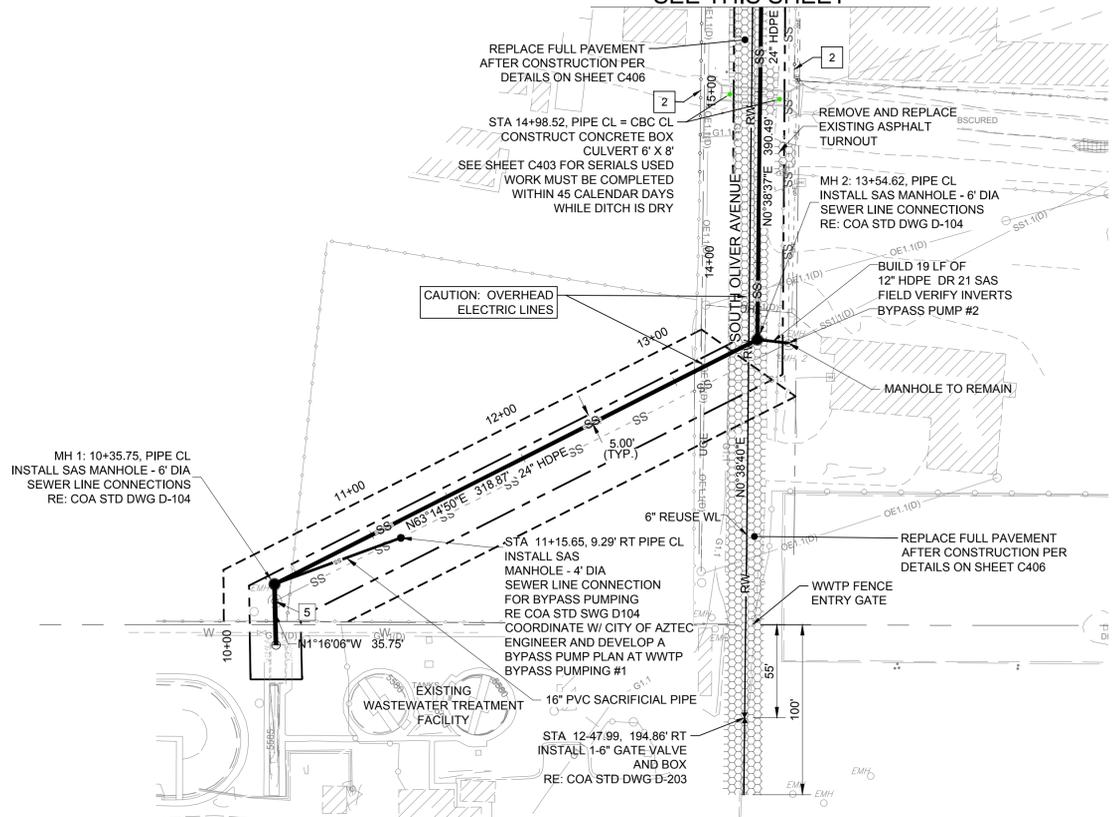
- 1 RESET POWER POLE & ELECTRICAL LINES COORDINATE WITH COA ELECTRIC.
- 2 INSTALL CHAIN LINK FENCE PER DETAIL SHEET.
- 3 INSTALL ROADBASE FOR FUTURE ROAD PROJECT.
- 4 INSTALL CULVERT PIPE. SEE CITY OF AZTEC STD DWGS D-112
- 5 REMOVE EXISTING MANHOLE
- 6 ABANDON EXISTING MANHOLE. FILL WITH CONCRETE 2 FEET TO COVER PIPE HOLES. THEN FILL WITH SAND/BORROW TO WITHIN 4 FT OF TOP. TOP 4 FT OF MANHOLE WILL BE COLLAPSED OR REMOVED SO THAT NO VISIBLE EXISTENCE OF MANHOLE REMAINS.

LEGEND

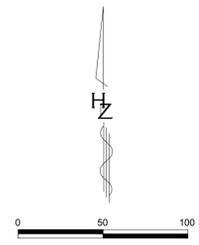
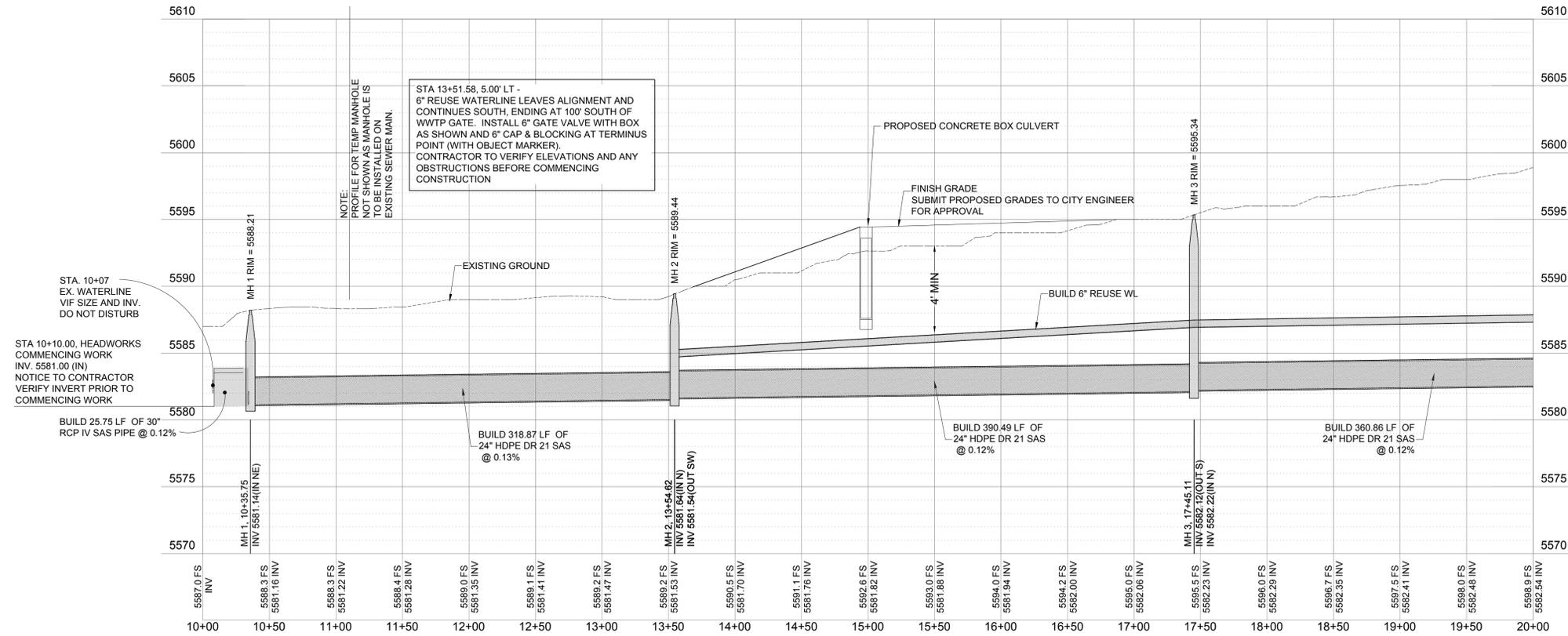
- SS --- EXISTING SEWER LINE
- SS --- NEW SEWER LINE TO BE INSTALLED
- RW --- NEW REUSE WL TO BE INSTALLED
- NEW SAS MANHOLE TO BE INSTALLED
- EX. SAS MANHOLE TO REMAIN
- NEW CONCRETE COLLAR- EX. WTR GATE VALVE
- GAS METER
- EX. FENCE
- NEW FENCE TO BE INSTALLED
- EX. VEGETATION
- EX. POWER POLE
- POWER POLE
- OHE --- OVERHEAD ELECTRIC
- --- EX. UNDERGROUND ELECTRIC
- --- CULVERT PIPE TO BE RESET.
- MAILBOXES
- ▲ SIGNS
- TEMP. CONSTRUCTION EASEMENT
- PERMANENT PUBLIC SANITARY SEWER EASEMENT
- DITCH
- DESIGNATED WETLANDS
- REMOVE ASPHALT- ROADBASE - REPLACE AFTER CONSTRUCTION

MATCHLINE STA. 15+50.00
SEE THIS SHEET

MATCHLINE STA. 20+00.00
SEE SHEET C303



SANITARY SEWER LINE & REUSE WATERLINE



Designed By: **HUIT-ZOLARS**
333 Rio Rancho Drive NE, Suite 101
Rio Rancho, New Mexico 87124
Phone (505) 892-3259 Fax (505) 892-3259
Designed For: **CITY OF AZTEC**

PLAN AND PROFILE
SANITARY SEWER LINE
AZTEC, NEW MEXICO

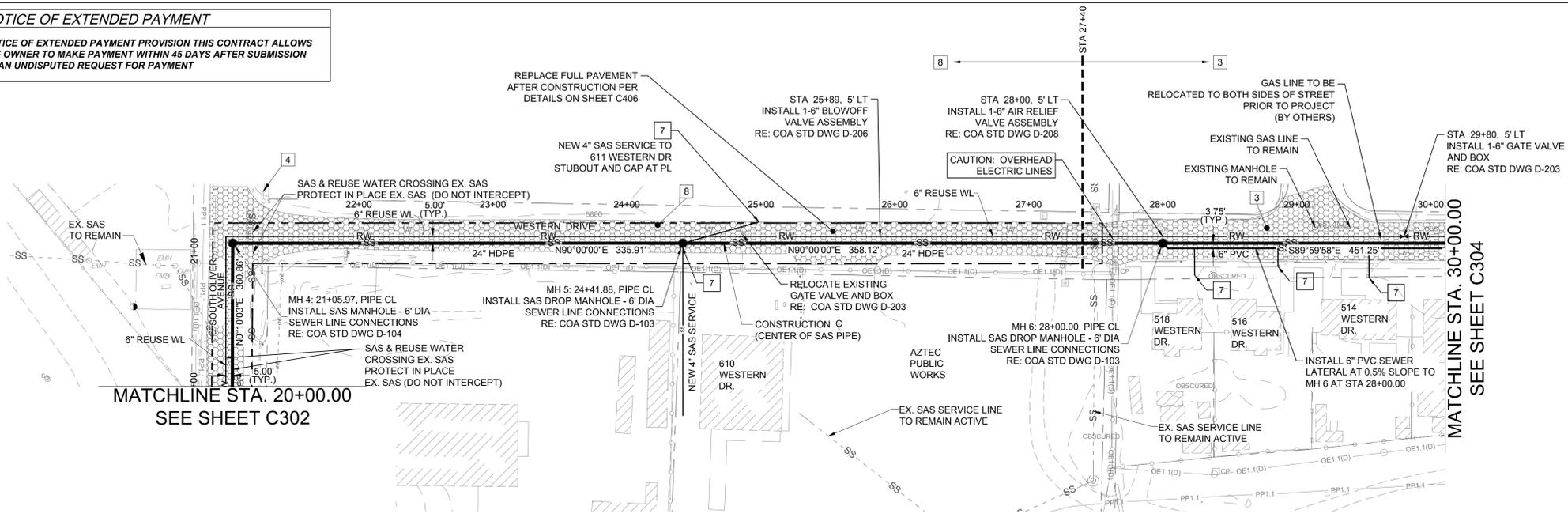
3/9/16

PROJECT NO. 17-0788-01
DESIGNED BY: SAE
DRAWN BY: KLS
CHECKED BY: SAE
DATE: FEB, 15 2016
DPW CHK:

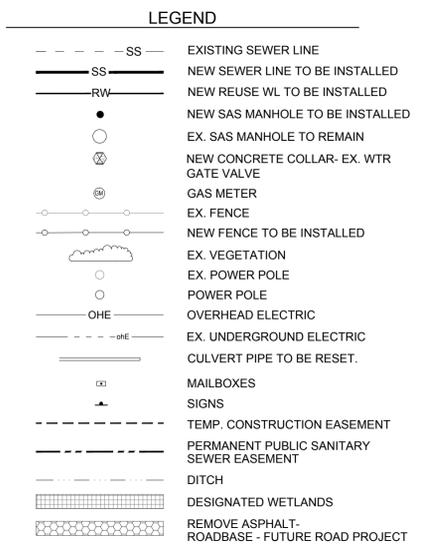
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Last Saved: 3/15/2016 10:05:38 AM, cmaheshan

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

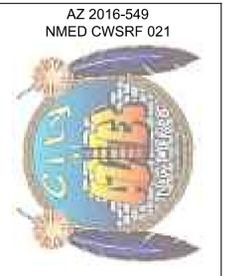
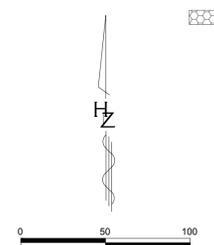
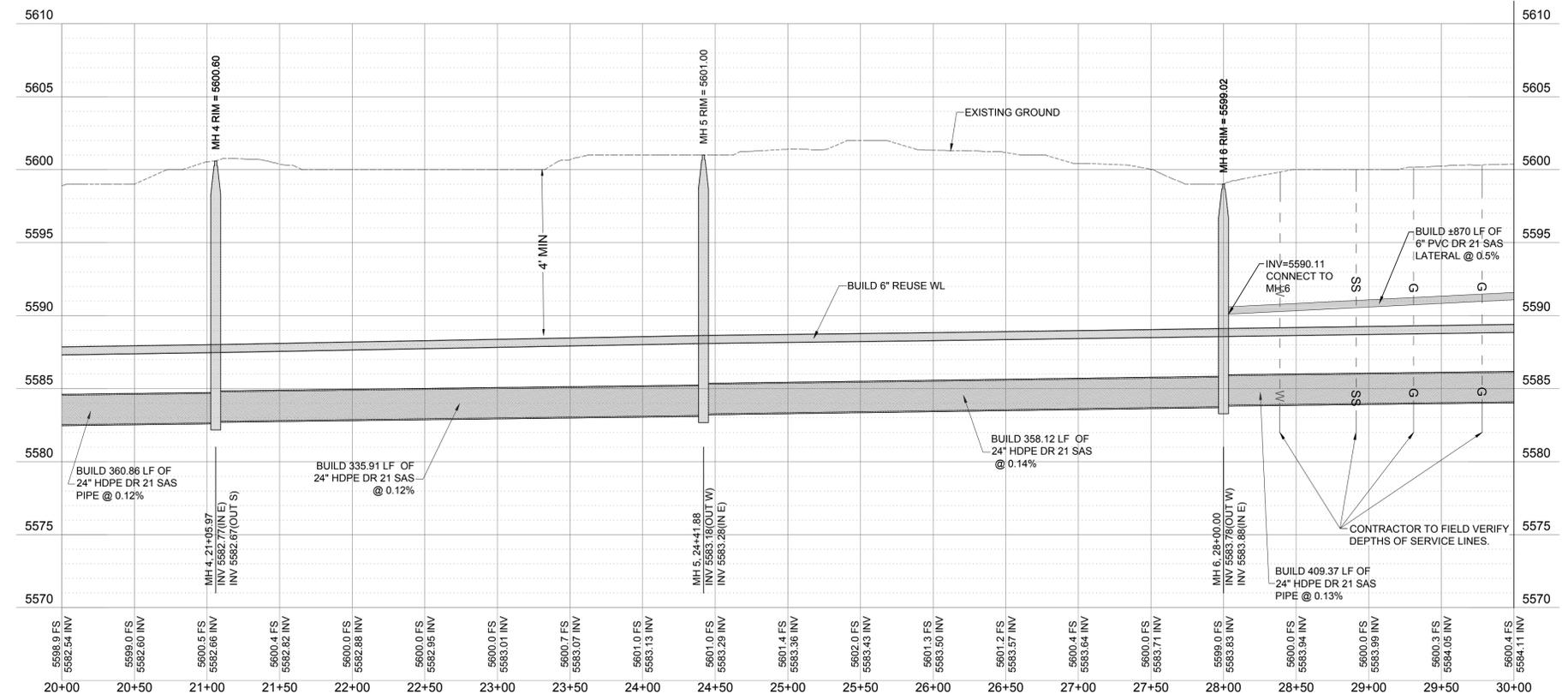


- CONSTRUCTION NOTES**
- RESET POWER POLE & ELECTRICAL LINES COORDINATE WITH COA ELECTRIC.
 - INSTALL CHAIN LINK FENCE PER DETAIL SHEET.
 - INSTALL ROADBASE FOR FUTURE ROAD PROJECT.
 - INSTALL CULVERT PIPE. SEE CITY OF AZTEC STD DWG D-112
 - REMOVE MANHOLE
 - ABANDON EXISTING MANHOLE. FILL WITH CONCRETE 2 FEET TO COVER PIPE HOLES, THEN FILL WITH SAND/BORROW TO WITHIN 4 FT OF TOP. TOP 4 FT OF MANHOLE WILL BE COLLAPSED OR REMOVED SO THAT NO VISIBLE EXISTENCE OF MANHOLE REMAINS.
 - NEW 4" SEWER SERVICE RE: COA STD DWG D-115
 - RECONSTRUCT ROAD PAVING FOLLOWING CONSTRUCTION



NOTE:
 WESTERN DRIVE WILL BE PAVED FOLLOWING CONSTRUCTION WEST OF STATION 27+40. ROAD BASE WILL BE INSTALLED EAST OF STATION 27+40 FOR FUTURE PROJECT.

SANITARY SEWER LINE & REUSE WATERLINE



NO.	DESCRIPTION	DATE	BY
7			
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

PLAN AND PROFILE
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: KLS
 CHECKED BY: SAE
 DATE: FEB, 15 2016
 DPW CHK:
 SHEET:

C303

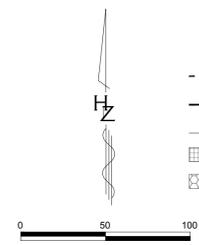
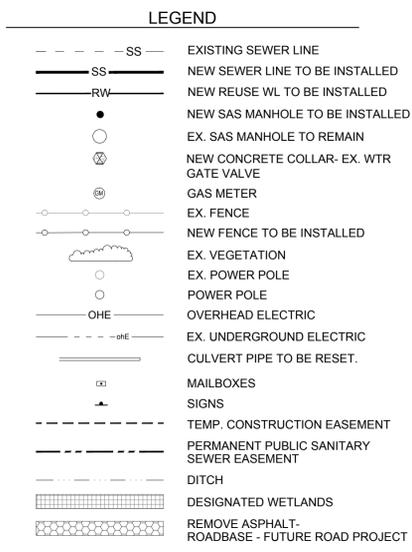
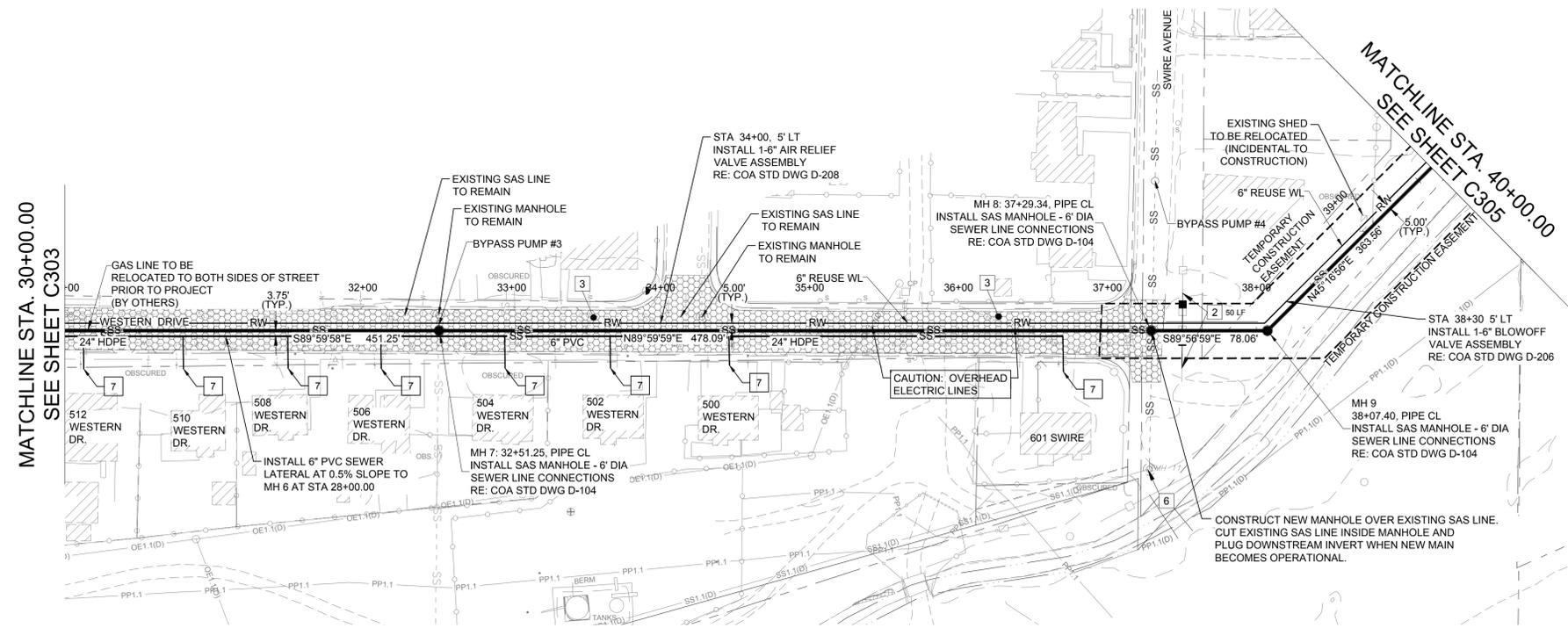
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NOTICE OF EXTENDED PAYMENT
 NOTICE OF EXTENDED PAYMENT PROVISION THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

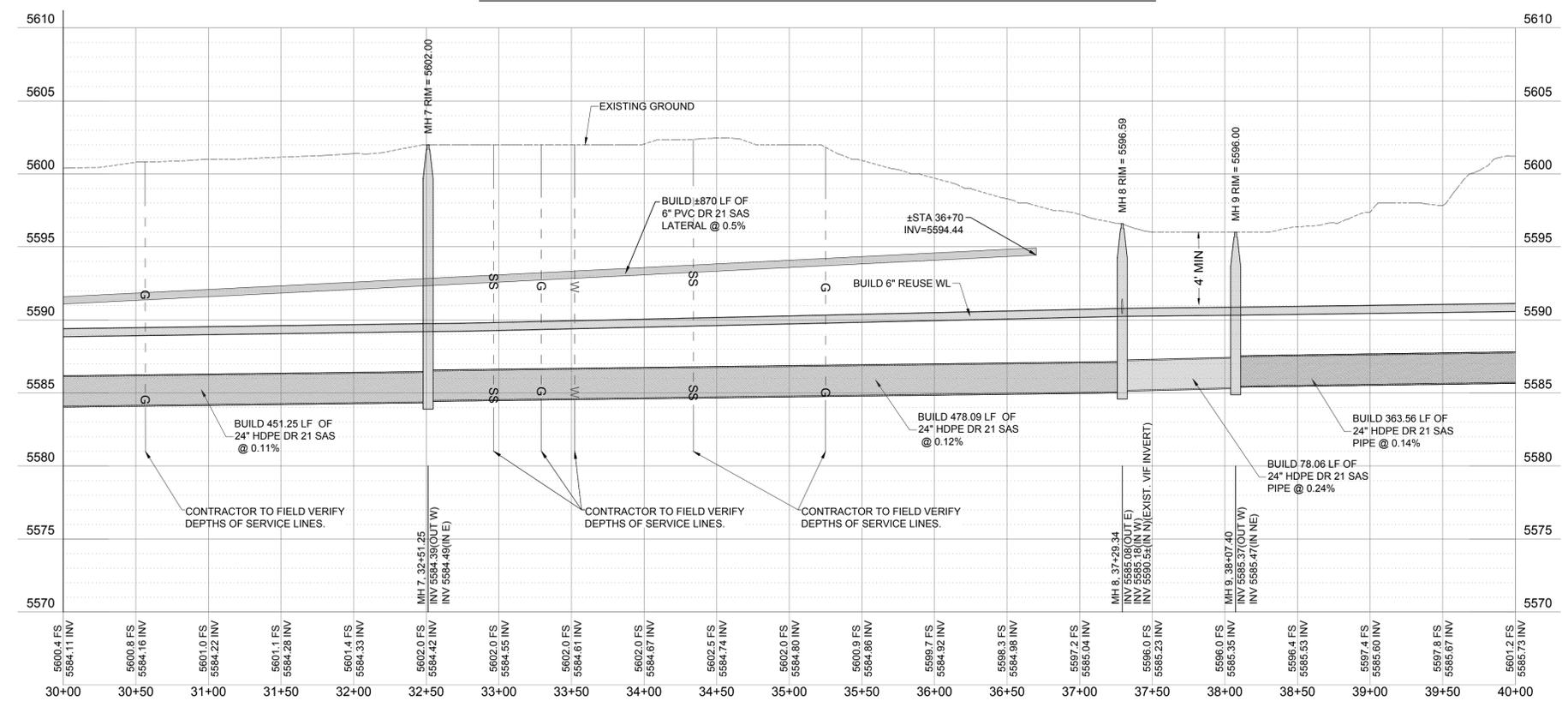
- CONSTRUCTION NOTES**
- RESET POWER POLE & ELECTRICAL LINES COORDINATE WITH COA ELECTRIC.
 - INSTALL CHAIN LINK FENCE PER DETAIL SHEET.
 - INSTALL ROADBASE FOR FUTURE ROAD PROJECT.
 - INSTALL CULVERT PIPE. SEE CITY OF AZTEC STD DWGS D-112
 - REMOVE MANHOLE
 - ABANDON EXISTING MANHOLE. FILL WITH CONCRETE 2 FEET TO COVER PIPE HOLES, THEN FILL WITH SAND/BORROW TO WITHIN 4 FT OF TOP. TOP 4 FT OF MANHOLE WILL BE COLLAPSED OR REMOVED SO THAT NO VISIBLE EXISTENCE OF MANHOLE REMAINS.
 - NEW 4" SEWER SERVICE
RE: COA STD DWG D-115



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SANITARY SEWER LINE & REUSE WATERLINE



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 User: mchale
 Last Saved: 3/9/2016 11:23:31 AM, cmchale

Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

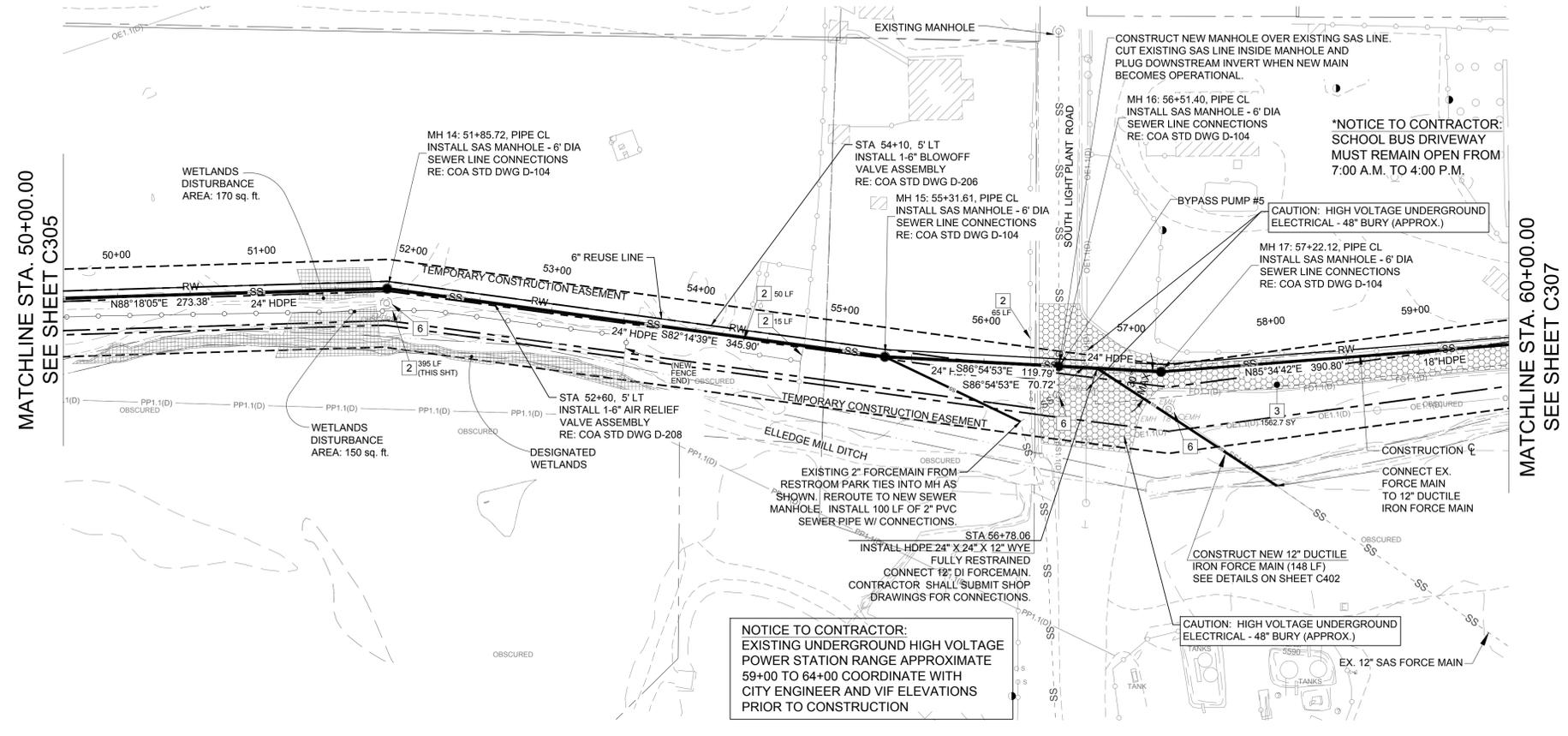
PLAN AND PROFILE
SANITARY SEWER LINE
AZTEC, NEW MEXICO



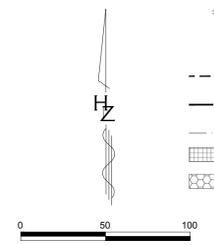
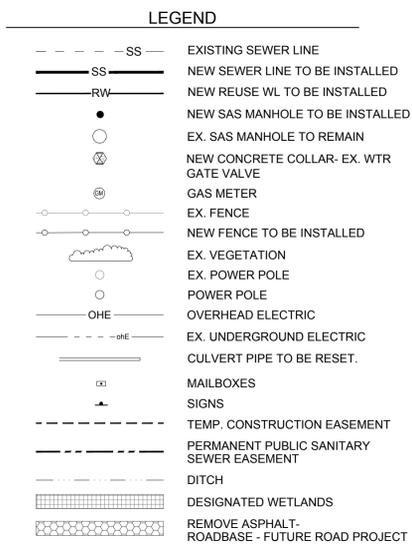
PROJECT NO. 17-0788-01
DESIGNED BY: SAE
DRAWN BY: KLS
CHECKED BY: SAE
DATE: FEB, 15 2016
DPW CHK:

SHEET: **C304**

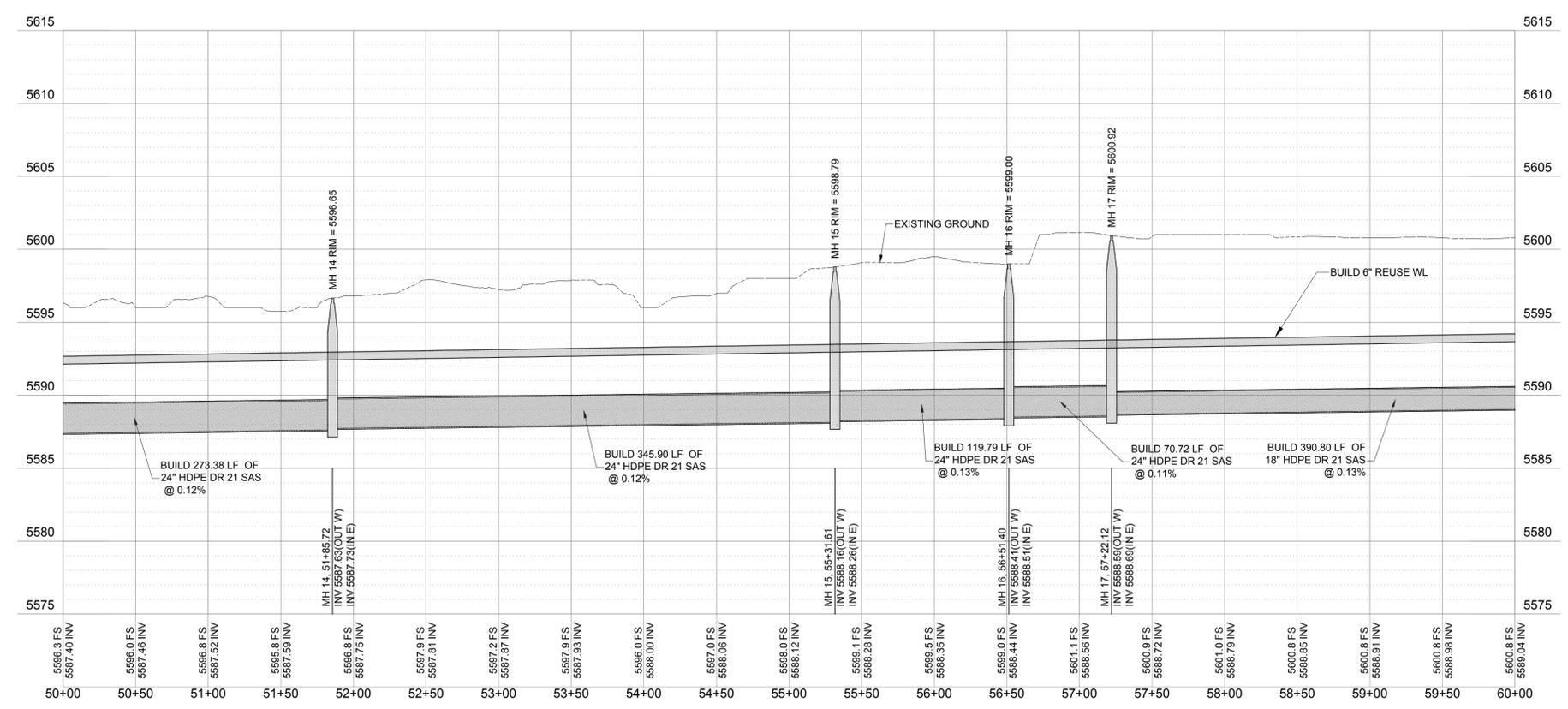
NOTICE OF EXTENDED PAYMENT
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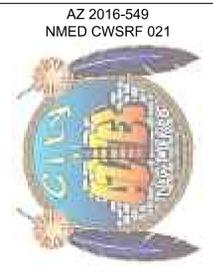
- CONSTRUCTION NOTES**
- RESET POWER POLE & ELECTRICAL LINES COORDINATE WITH COA ELECTRIC.
 - INSTALL CHAIN LINK FENCE PER DETAIL SHEET.
 - INSTALL ROADBASE FOR FUTURE ROAD PROJECT.
 - INSTALL CULVERT PIPE. SEE CITY OF AZTEC STD DWGS D-112
 - REMOVE MANHOLE
 - ABANDON EXISTING MANHOLE. FILL WITH CONCRETE 2 FEET TO COVER PIPE HOLES, THEN FILL WITH SAND/BORROW TO WITHIN 4 FT OF TOP. TOP 4 FT OF MANHOLE WILL BE COLLAPSED OR REMOVED SO THAT NO VISIBLE EXISTENCE OF MANHOLE REMAINS.



SANITARY SEWER LINE & REUSE WATERLINE



NOTE:
 CONTRACTOR IS REQUIRED TO CONNECT EXISTING 12" FORCE MAIN DURING OFF-PEAK HOURS BETWEEN 12:00 MIDNIGHT AND 3:00 AM WEEKDAYS. THE LIFT STATION CAN BE OFF FOR 3 HOURS MAXIMUM DURING THIS PERIOD. CITY OFFICIALS ARE REQUIRED TO BE ON-SITE FOR THE CHANGE OVER. CONTRACTOR SHALL HAVE A VAC TRUCK SERVICE STANDING BY TO EMPTY LIFT STATION WET WELL AS A BACKUP PLAN. THE CONTRACTOR SHALL NOT ALLOW THE LIFT STATION WET WELL TO OVERFLOW AND CAUSE ANIMAS RIVER CONTAMINATION.



NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-3259 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

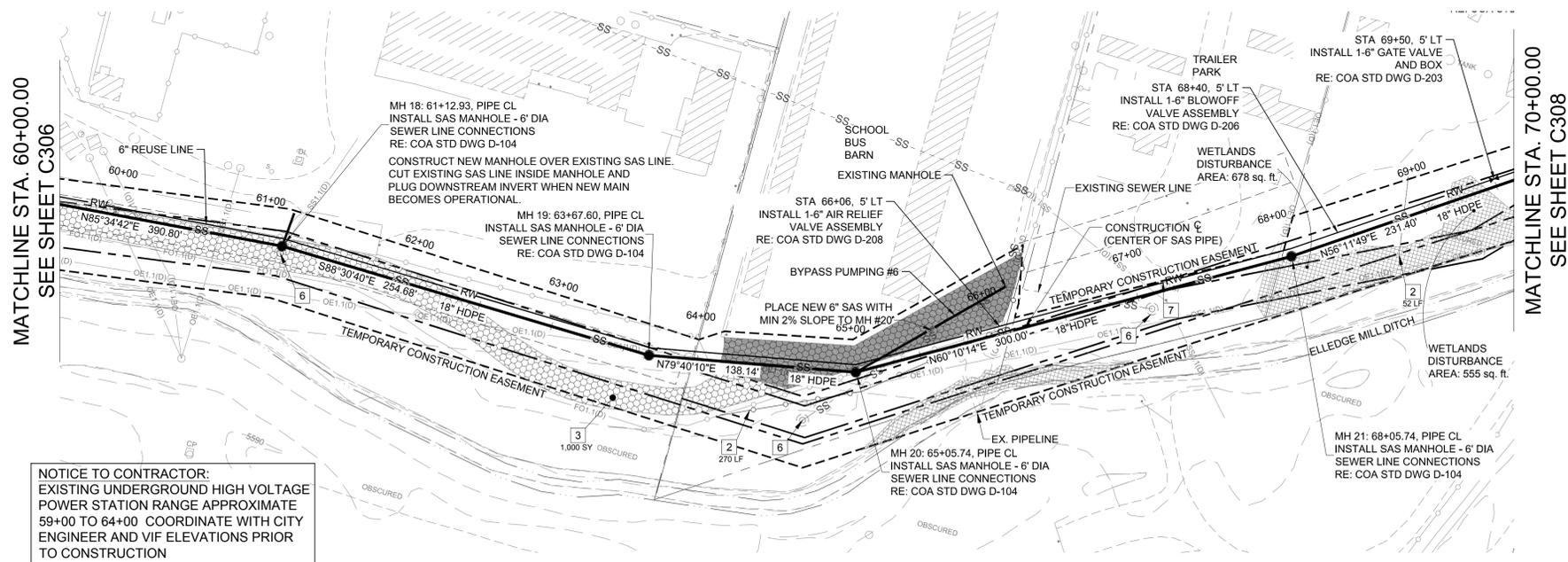
PLAN AND PROFILE
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: KLS
 CHECKED BY: SAE
 DATE: FEB, 15 2016
 DPW CHK:
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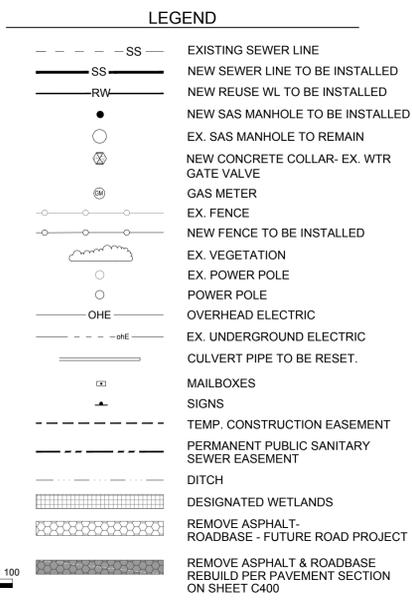
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NOTICE OF EXTENDED PAYMENT
 NOTICE OF EXTENDED PAYMENT PROVISION THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

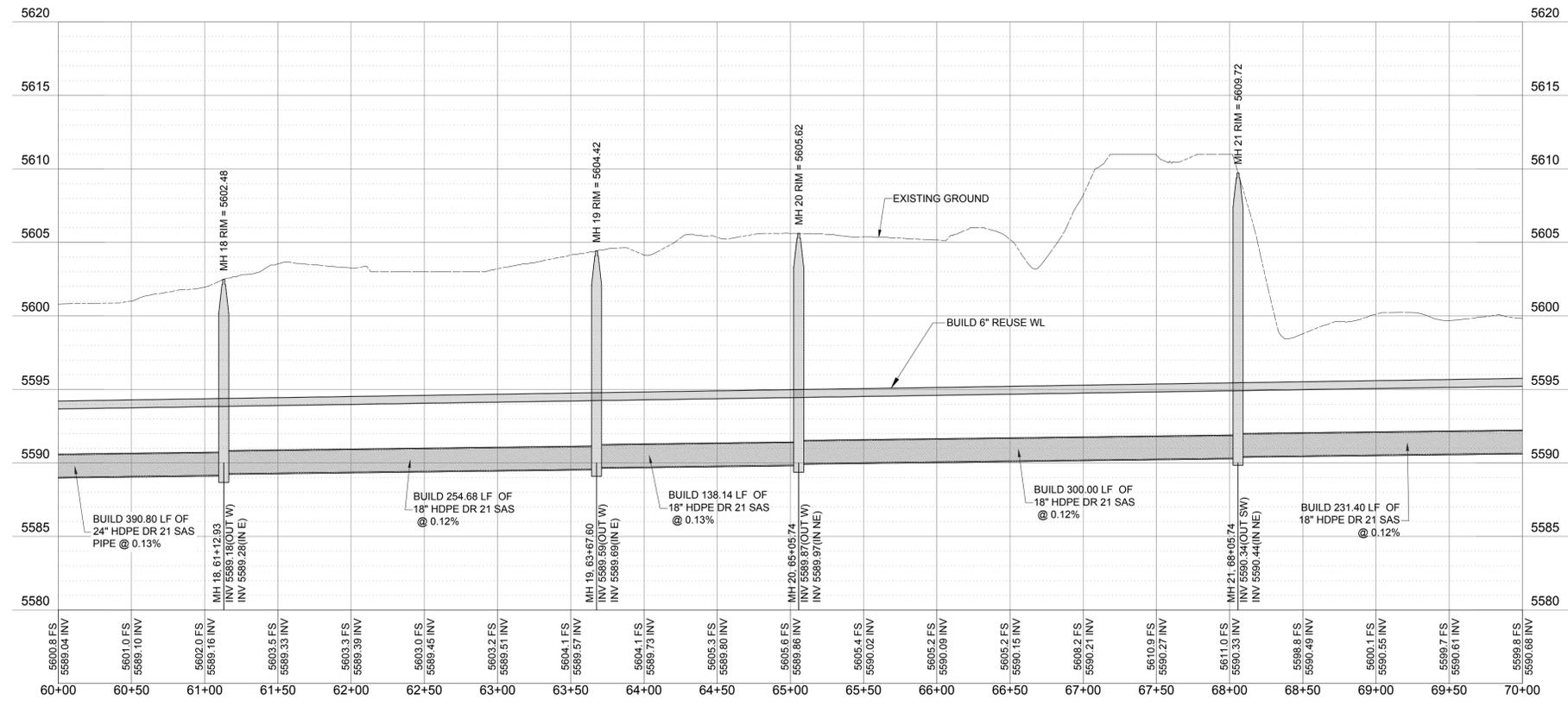


NOTICE TO CONTRACTOR:
 EXISTING UNDERGROUND HIGH VOLTAGE POWER STATION RANGE APPROXIMATE 59+00 TO 64+00 COORDINATE WITH CITY ENGINEER AND VIF ELEVATIONS PRIOR TO CONSTRUCTION

- CONSTRUCTION NOTES**
- RESET POWER POLE & ELECTRICAL LINES COORDINATE WITH COA ELECTRIC.
 - INSTALL CHAIN LINK FENCE PER DETAIL SHEET.
 - INSTALL ROADBASE FOR FUTURE ROAD PROJECT.
 - INSTALL CULVERT PIPE. SEE CITY OF AZTEC STD DWGS D-112
 - REMOVE MANHOLE
 - ABANDON EXISTING MANHOLE. FILL WITH CONCRETE 2 FEET TO COVER PIPE HOLES, THEN FILL WITH SAND/BORROW TO WITHIN 4 FT OF TOP. TOP 4 FT OF MANHOLE WILL BE COLLAPSED OR REMOVED SO THAT NO VISIBLE EXISTENCE OF MANHOLE REMAINS.
 - REMOVE AND RESET INLET.



SANITARY SEWER LINE & REUSE WATERLINE



NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 City of Aztec

PLAN AND PROFILE
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: KLS
 CHECKED BY: SAE
 DATE: FEB, 15 2016
 DPW CHK:
 SHEET:

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NOTICE OF EXTENDED PAYMENT
 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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Designed By: **HUITZOLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

PLAN AND PROFILE
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: KLS
 CHECKED BY: SAE
 DATE: FEB, 15 2016
 DPW CHK:
 SHEET:

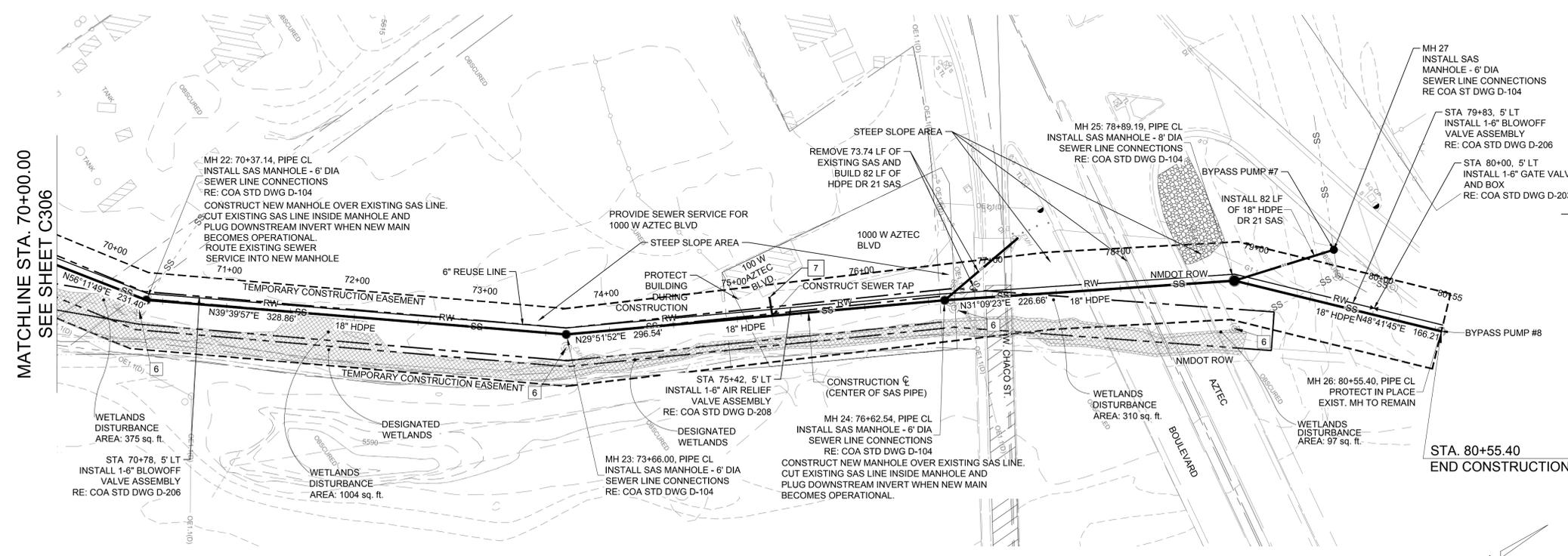
C308

CONSTRUCTION NOTES

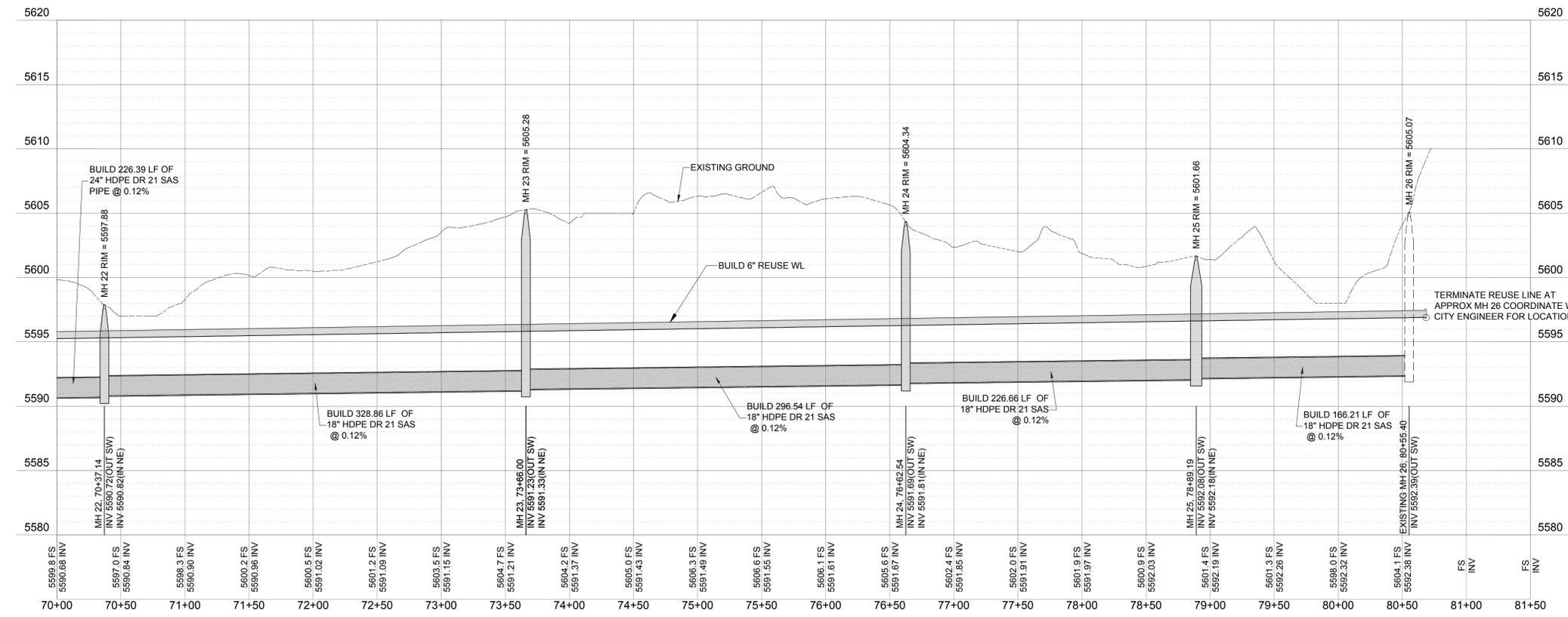
- RESET POWER POLE & ELECTRICAL LINES COORDINATE WITH COA ELECTRIC.
- INSTALL CHAIN LINK FENCE PER DETAIL SHEET.
- INSTALL ROADBASE FOR FUTURE ROAD PROJECT.
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- NEW 4" SEWER SERVICE PER COA STD DWG D-115

LEGEND

- SS EXISTING SEWER LINE
- SS NEW SEWER LINE TO BE INSTALLED
- RW NEW REUSE WL TO BE INSTALLED
- SS NEW SAS MANHOLE TO BE INSTALLED
- SS EX. SAS MANHOLE TO REMAIN
- SS NEW CONCRETE COLLAR- EX. WTR GATE VALVE
- SS GAS METER
- SS EX. FENCE
- SS NEW FENCE TO BE INSTALLED
- SS EX. VEGETATION
- SS EX. POWER POLE
- SS POWER POLE
- OHE OVERHEAD ELECTRIC
- UHE EX. UNDERGROUND ELECTRIC
- CULVERT PIPE TO BE RESET.
- MAILBOXES
- SIGNS
- TEMP. CONSTRUCTION EASEMENT
- PERMANENT PUBLIC SANITARY SEWER EASEMENT
- DITCH
- DESIGNATED WETLANDS
- REMOVE ASPHALT- ROADBASE - FUTURE ROAD PROJECT
- EXISTING RIP RAP



SANITARY SEWER LINE & REUSE WATERLINE

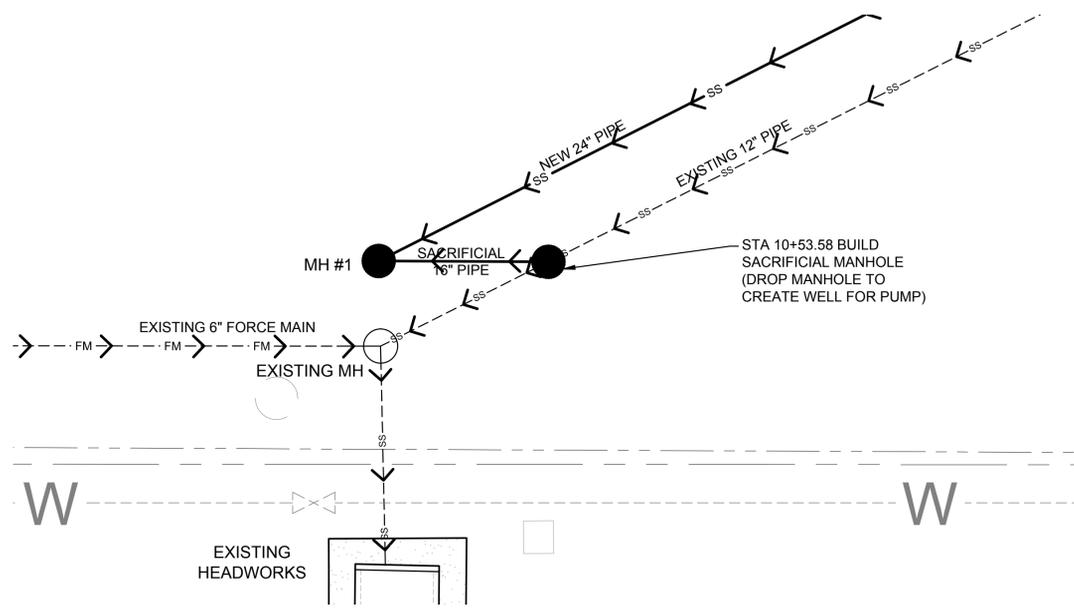


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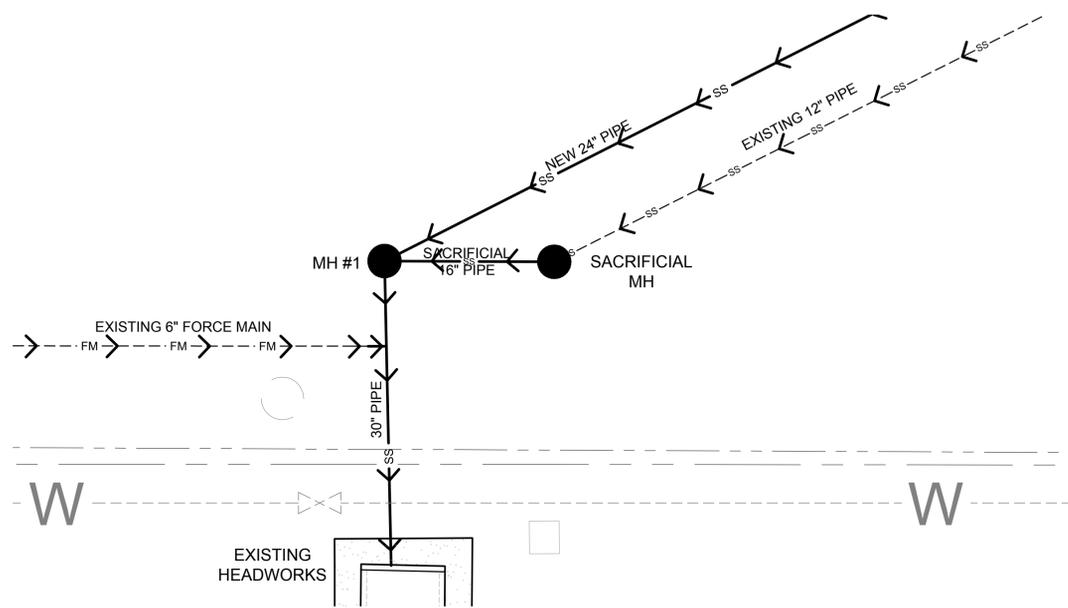
NOTICE OF EXTENDED PAYMENT

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

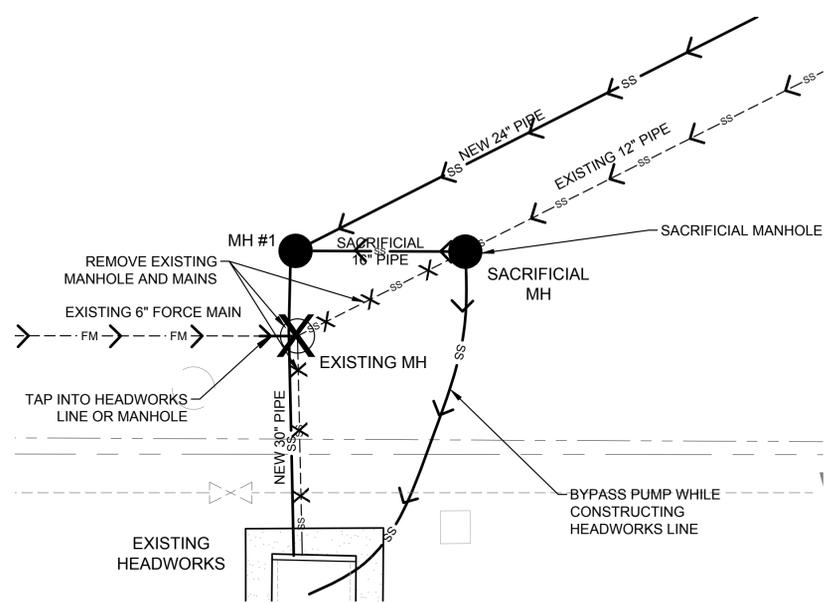
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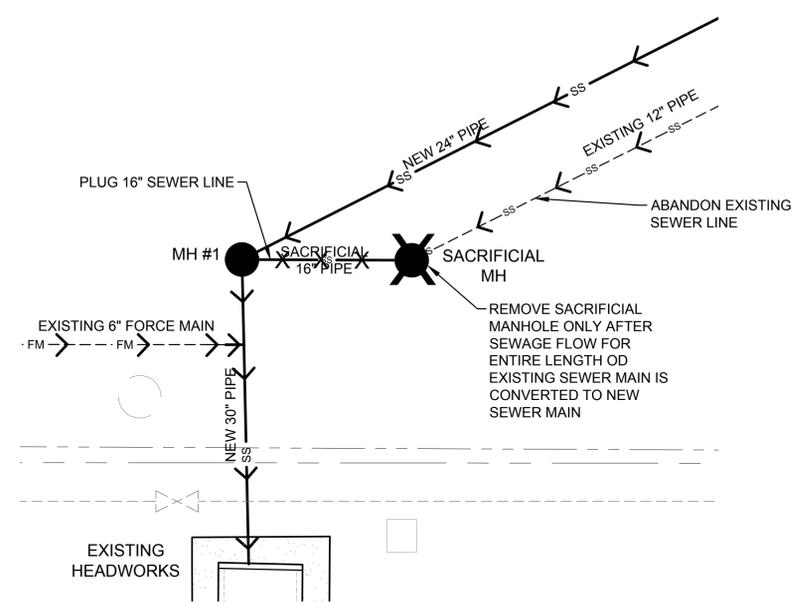
PHASE 1 - CONSTRUCT NEW MAIN AND SACRIFICIAL WORKS



PHASE 3 - OPEN NEW SEWER MAIN COMPLETELY



PHASE 2 - BYPASS PUMP WHILE CONSTRUCTING HEADWORKS MAIN



PHASE 4 - NEW SEWER MAIN OPERATIONAL REMOVE AND ABANDON SAC MH AND OLD MAIN

NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

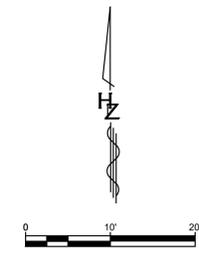
HEADWORKS CONSTRUCTION PHASING
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:

SHEET: **C400**

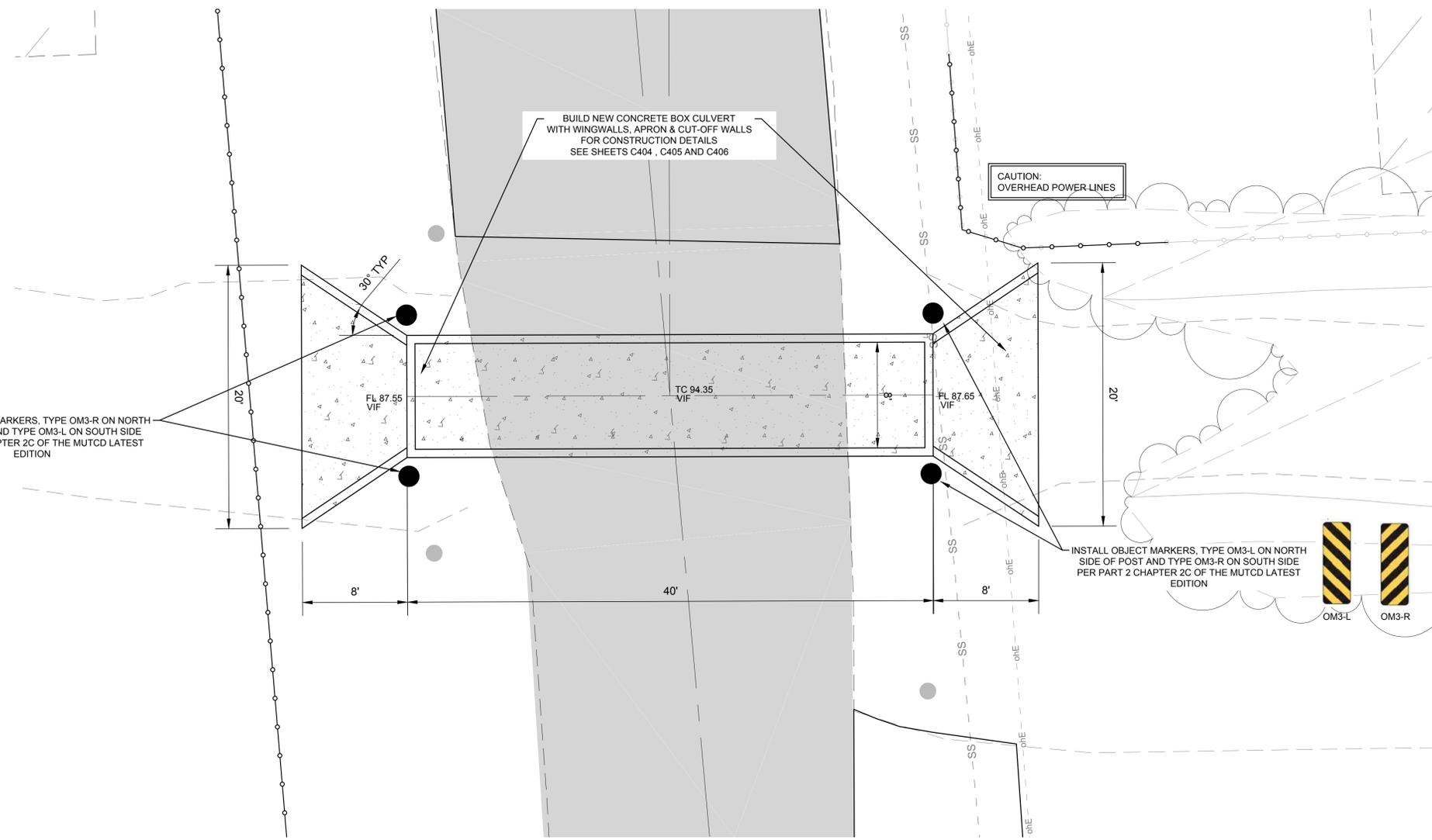
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NOTICE OF EXTENDED PAYMENT
 NOTICE OF EXTENDED PAYMENT PROVISION THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT



AZ 2016-549
 NMED CWSRF 021



- CONSTRUCTION NOTES**
- A. CONSTRUCT CONCRETE BOX CULVERT, WING WALLS AND APRON W / CUT-OFF WALL IN ACCORDANCE WITH NMDOT STANDARD SERIALS.
 - B. CONTRACTOR IS RESPONSIBLE TO PREPARE DETAIL SURVEY AND SHOP DRAWINGS FOR APPROVAL.

LEGEND

- NEW CONCRETE
- NEW ASPHALT PAVING
- NEW FENCE
- EXISTING CONTOUR
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING FENCE
- EXISTING VEGETATION



INSTALL OBJECT MARKERS, TYPE OM3-R ON NORTH SIDE OF POST AND TYPE OM3-L ON SOUTH SIDE PER PART 2 CHAPTER 2C OF THE MUTCD LATEST EDITION

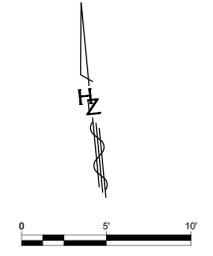
INSTALL OBJECT MARKERS, TYPE OM3-L ON NORTH SIDE OF POST AND TYPE OM3-R ON SOUTH SIDE PER PART 2 CHAPTER 2C OF THE MUTCD LATEST EDITION

1 - 8'(W) x 6'(H) x 40 L.F. CONCRETE BOX CULVERT NORM. w/CONCRETE WING WALLS LT. & RT. B

SCALE: 1"=5'

CONTRACTOR TO BUILD 1 - 8'x 6'x 40 LF NEW CONCRETE BOX CULVERT
 BUILD CONCRETE WING WALLS W/ CONCRETE APRON LT. & RT.

SERIALS REQUIRED: 210-01-1/1, 511-59-1/2, 511-59-2/2, 511-60-1/2, 511-60-2/2, 511-66-1/6, 511-66-2/6, 511-67-1/2, 511-67-2/2



NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259

Designed For: **CITY OF AZTEC**

CONCRETE BOX CULVERT PLAN
SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:

SHEET: **C403**

Printed: 3/9/16 1:47:38 AM By: Matthew_Cochran
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NOTICE OF EXTENDED PAYMENT
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BOX TYPE	CONFIGURATION	DESIGN FILL	DRAWINGS
SINGLE BARREL CBC		"A"	511-60-1/2 511-60-2/2
SINGLE BARREL CBC		"A" "C"	511-61-1/2 511-61-2/2
DOUBLE BARREL CBC		"A"	511-62-1/2 511-62-2/2
DOUBLE BARREL CBC		"A" "C"	511-63-1/2 511-63-2/2
TRIPLE AND QUADRUPLE BARREL CBC		"A"	511-64-1/3 511-64-2/3 511-64-3/3
TRIPLE AND QUADRUPLE BARREL CBC		"A" "C"	511-65-1/3 511-65-2/3 511-65-3/3
CBC HEADWALL/CUTOFF WALL & MISC. DETAILS		"A" "C"	511-66-1/6 511-66-2/6 511-66-3/6 511-66-4/6 511-66-5/6 511-66-6/6
WINGWALL & APRON		"A"	511-67-1/2 511-67-2/2

PAYMENT

PAYMENT FOR CBC'S IS BASED ON "LIN. FT." UNIT OF MEASUREMENT FOR THE TOTAL LENGTH OF ALL NEW BARRELS CONSTRUCTED AT THE CENTERLINE OF BARREL. LENGTH OF BARREL SHALL NOT INCLUDE "HW" WHICH SHALL BE PAID FOR SEPARATELY.

PAYMENT FOR HEADWALL/CUTOFF WALL IS BASED ON "EACH" UNIT OF MEASUREMENT FOR EACH NEW BARREL CONSTRUCTED. IN CASE OF TYPE II CONNECTION EACH HEAD/CUTOFF WALL SHALL BE PAID FOR, I.E. TWO PER BARREL PER CULVERT EXTENSION.

PAYMENT FOR WINGWALL IS BASED ON "SQ. FT." UNIT OF MEASUREMENT BASED ON SOIL SIDE VERTICAL FACE AREA FOR EACH INDIVIDUAL HEIGHT OF INTERIOR BARREL DIMENSION. PAYMENT FOR OUTLET APRON IS BASED ON "SQ. FT." UNIT OF MEASUREMENT BASED ON PLAN AREA OF APRON.

ALTERNATIVELY, A COMPLETE CONCRETE BOX CULVERT MAY BE PAID FOR UNDER CLASS "AA" CONCRETE BY "CU. YD." ITEM 511030 AND GRADE 60 REBAR BY "LBS." ITEM 540060.

REBAR, CONCRETE, FORMING, DEMOLITION, AND ALL OTHER WORK AND MATERIAL REQUIRED FOR A COMPLETE CBC, HEADWALL/CUTOFF WALL, WINGWALL AND APRON CONSTRUCTION SHALL BE INCLUDED IN THE UNIT COST FOR EACH AND NO FURTHER PAYMENT SHALL BE MADE FOR THESE INCIDENTAL ITEMS.

EXAMPLE CONFIGURATIONS OF CBC W/MORE THAN 4 BARRELS

NOTE: USE SAME BARREL CONFIGURATION IF POSSIBLE

METHOD OF EXTENDING UNEQUAL BOX DIMENSIONS

FOR DETAILS SEE SHEET 511-66-4/6

BRIDGE MARK DETAIL

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING
 CONCRETE BOX CULVERT INDEX OF SHEETS
 EXPLANATION OF USE OF DRAWINGS
 DESIGNED BY: T.L.B. DRAWN BY: S.S.L. CHECKED BY: H.D.R.
 511-59-1/2 1 OF 2

SECTION A-A
 CBC TRIPLE BARREL

PERSPECTIVE OF 5 BARREL CBC
 10' SPAN, 7' HEIGHT, 15' SKEW, 8' FILL HT.

SECTION B-B
 WINGWALL & FOOTING

SECTION C-C
 HEADWALL/CUTOFF WALL @ TRIPLE BARREL

REBAR DETAILS

BAR	2 BARREL	3 BARREL
	LENGTH	SIZE SPA
"cc" BARS	10'-9"	#8 12"
"bd" BARS	21'-5"	#8 12"
"cd" BARS	21'-5"	#6 6"
"cc" BARS	21'-5"	#6 6"
"cc" BARS	10'-9"	#7 12"
"tr" BARS	8'-4"	#6 6"
"cc" BARS	**	#4 12"

NOTES

- THE PURPOSE OF THIS DRAWING IS TO PROVIDE AN EXAMPLE OF USE OF THESE SERIAL CBC DRAWINGS. THIS EXAMPLE IS BASED ON A 5 BARREL, 10'S X 7'H, 15' SKEW, W/ 8' BURIAL DEPTH TO FINISHED & ROADWAY. THIS 8' BURIAL REQUIRES THE DESIGN FILL "A" "D-10" CATEGORY. INFORMATION PRESENTED ON THIS SHEET IS FROM DRAWINGS 511-62-1/2 & 2/2, 511-64-1/3 & 2/3, 511-66-1/6 THRU 6/6, AND 511-67-1/2 THRU 2/2. PLEASE REFER TO THESE SHEETS TO FOLLOW THE EXAMPLE.
- PAYMENT FOR THE CBC BARREL CONSTRUCTION IS BY THE LINEAL FOOT OF BARREL. PAYMENT FOR THE FIVE BARREL IS 5xL UNDER PAY ITEM 511668, CBC DESIGN "A" 10X7, "L" BEING 130FT. FOR A TOTAL LINEAL FOOT PAYMENT UNDER THIS ITEM OF 650 FT. PAYMENT FOR THE WINGWALLS CONSTRUCTION IS BY THE SQUARE FOOT OF SOIL SIDE VERTICAL FACE. UNDER PAY ITEM 511888, CBC WINGWALL BARREL HEIGHT 7FT. QUANTITY EQUALS (20'-11")X(9'-10")X(10'-3")X(10'-3")/2, TOTALING 176 SQ. FT. FOR THE OUTLET WINGS. PAYMENT FOR THE HEADWALL/CUTOFF WALL CONSTRUCTION IS UNDER ITEM 511845, CBC HEADWALL/CUTOFF WALL 15 DEG SKEW 10X3 THRU 10X7, UNIT OF EACH PER BARREL TOTALING 5 EACH FOR THE OUTLET SIDE. OUTLET APRON IS MEASURED BY THE PLAN SQ. FT. UNDER ITEM 511876, CBC OUTLET APRON.
- NO REBAR DIMENSIONS ARE SHOWN ON SECTION B-B. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETAIL THE LENGTH OF BARS DUE TO THE CONSTANT CHANGE IN LENGTH DUE TO SLOPE AND FOOTING DIMENSION CHANGE.

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING
 CONCRETE BOX CULVERT EXAMPLE OF USE OF DRAWINGS
 APPROVED: [Signature] DATE: 3/9/16
 DESIGNED BY: T.L.B. DRAWN BY: S.S.L. CHECKED BY: H.D.R.
 511-59-2/2 2 OF 2

SECTION A-A

REBAR LAYOUT - PLAN VIEW

DETAIL "A"
 (INSIDE FACE OMITTED FOR CLARITY)

DETAIL "B"
 (SIMILAR BOTTOM CORNERS)

CONSTRUCTION JOINT DETAIL

GENERAL NOTES

- ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE NEW MEXICO DEPARTMENT OF TRANSPORTATION SPECIFICATIONS FOR HIGHWAY AND BRIDGE CONSTRUCTION (CURRENT EDITION) WITH APPLICABLE SPECIAL PROVISIONS.
- ALL CONCRETE SHALL BE CLASS "AA" (4000 psi), CHAMFER ALL EXPOSED EDGES 3".
- ALL REINFORCING STEEL TO BE DEFORMED BARS, CONFORMING TO AASHTO M-31, GRADE 60. ALL DIMENSIONS REFER TO THE CENTERLINE OF BAR.
- "COVER" IS HEIGHT OF FILL FROM TOP OF BOX TO THE TOP OF PAVEMENT. ORIGINAL HEIGHT OF COVER MAY NOT BE EXCEEDED IN THE FUTURE OR WILL REQUIRE REMOVAL AND REPLACEMENT WITH PROPER DESIGN FILL. IN CASE OF COVER EQUAL TO 10', 15', 20', OR 25' USE HIGHER DESIGN FILL IN CASE OF FUTURE AC OVERLAY.
- "J" AND "K" BARS MAY BE SPLICED WHEN NECESSARY BY LAPPING AT LEAST 4 BAR DIAMETERS. NO OTHER SPLICING OF BARS WILL BE PERMITTED. LENGTH OF THESE BARS SHALL EQUAL THE LENGTH OF BARREL, "L" PLUS 2 X "HW" MINUS 4" FOR TOTAL NEW CONSTRUCTION, NOT INCLUDING LAP LENGTH. FOR CULVERT EXTENSION, LENGTH OF THESE BARS SHALL BE "L" PLUS 4".
- REINFORCING SHOWN IS FOR PLACEMENT LOCATION ONLY. USE APPROPRIATE SHEETS AND CORRESPONDING TABLES TO DETERMINE THE REINFORCING REQUIREMENTS AND SPACINGS.
- ALL CONSTRUCTION JOINTS SHALL BE AS PER DETAIL THIS SHEET. CONSTRUCTION JOINTS ARE PERMISSIBLE AND SHALL BE LOCATED AT WALL/SLAB HORIZONTAL INTERFACE.
- DO NOT BACKFILL WALLS UNTIL TOP SLAB HAS REACHED 4000 psi DESIGN STRENGTH.
- CBC'S SHALL BE CONSTRUCTED TO THE SPAN, HEIGHT, NUMBER OF BARRELS, SKEW, ALIGNMENT, AND FLOWLINE GRADE AS SPECIFIED ON THE PLAN AND PROFILE AND STRUCTURE PLACEMENT SECTIONS.
- EXCAVATION AND BACKFILL OF CBC'S SHALL BE IN ACCORDANCE WITH STANDARD DRAWING 210-01-1/1.

DESIGN
 DESIGNED IN ACCORDANCE WITH AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, THIRD EDITION.

PAYMENT
 PAYMENT FOR CBC'S IS BASED ON "LIN. FT." UNIT OF MEASUREMENT FOR THE TOTAL LENGTH OF ALL NEW BARRELS CONSTRUCTED AT THE CENTERLINE OF BARREL, I.E. SINGLE BARREL SHALL BE "L" X "L" AND TRIPLE BARREL SHALL BE "L" X "L" X "L" FOR PLAN AREA. LENGTH OF BARREL SHALL NOT INCLUDE "HW" WHICH SHALL BE PAID FOR SEPARATELY. CONCRETE, REBAR, FORMING, AND OTHER WORK AND MATERIAL SHALL BE INCLUDED IN THE LIN. FT. COST FOR THE CBC AND NO FURTHER PAYMENT SHALL BE MADE FOR THESE INCIDENTAL ITEMS.

ALTERNATIVELY, A COMPLETE CONCRETE BOX CULVERT MAY BE PAID FOR UNDER CLASS "AA" CONCRETE BY "CU. YD." ITEM 511030 AND GRADE 60 REBAR BY "LBS." ITEM 540060.

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING
 CONCRETE BOX CULVERT SINGLE OPENING - DESIGN FILL "A" 0-10 FT STRUCTURAL SECTIONS AND REBAR
 APPROVED: [Signature] DATE: 3/9/16
 DESIGNED BY: T.L.B. DRAWN BY: S.S.L. CHECKED BY: H.D.R.
 511-60-1/2 1 OF 2

SINGLE OPENING BOX CULVERT STRUCTURE DIMENSIONS

GRADE 60 REINFORCING BAR SCHEDULE (BAR SIZE, SPACING AND LENGTH DIMENSIONS)

DIM	"bb"	"cc"	"cd"	"bd"	"cc"	"tr"	"hw"	"j"	"k"
SPAN "S" INSIDE									
HEIGHT "H" INSIDE									
TOP SLAB "T"									
BOTTOM SLAB "B"									
WALLS OUTER "WO"									
SIZE									
SPACING									
LENGTH									
SIZE									
SPACING									
LENGTH									
SIZE									
SPACING									
LENGTH									
SIZE									
SPACING									
LENGTH									
SIZE									
SPACING									
LENGTH									
SIZE									
SPACING									
LENGTH									
SIZE									
SPACING									
LENGTH									

EXAMPLE OF USE OF THIS TABLE
 PROPOSED STRUCTURE - SINGLE BARREL, 10 FT. SPAN/7 FT. HEIGHT, CBC WITH 2 FT. DEPTH OF COVER. USE THE FOLLOWING BUILD INFORMATION FROM THE TABLE ABOVE:

DIM	0-10 FT BURIAL DESIGN FILL "A"	"bb"	"cc"	"cd"	"bd"	"cc"	"tr"	"hw"	"j"	"k"
SPAN "S" INSIDE	10'	#8	#8	#8	#8	#8	#8	#8	#8	#8
HEIGHT "H" INSIDE	9.5'	#7	#8	#8	#8	#8	#8	#8	#8	#8
TOP SLAB "T"	9.5'	#7	#8	#8	#8	#8	#8	#8	#8	#8
BOTTOM SLAB "B"	9.5'	#7	#8	#8	#8	#8	#8	#8	#8	#8
WALLS OUTER "WO"	10'-11"	#8	#8	#8	#8	#8	#8	#8	#8	#8
SIZE	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8
SPACING	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
LENGTH	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"
SIZE	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8
SPACING	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
LENGTH	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"
SIZE	#8	#8	#8	#8	#8	#8	#8	#8	#8	#8
SPACING	12"	12"	12"	12"	12"	12"	12"	12"	12"	12"
LENGTH	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"	10'-11"

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING
 CONCRETE BOX CULVERT SINGLE OPENING - DESIGN FILL "A" 0-10 FT DIMENSIONS AND REBAR SCHEDULE
 APPROVED: [Signature] DATE: 3/9/16
 DESIGNED BY: T.L.B. DRAWN BY: S.S.L. CHECKED BY: H.D.R.
 511-60-2/2 2 OF 2

AZ 2016-549
 NMED CWSRF 021

HUIT-ZOLLARS
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-3259
 Fax (505) 892-5141

DESIGNED FOR:
CITY OF AZTEC

NO. DATE REV. BY DESCRIPTION REVISIONS (OR CHANGE NOTICES)

NO.	DATE	REV. BY	DESCRIPTION	REVISIONS (OR CHANGE NOTICES)
7				
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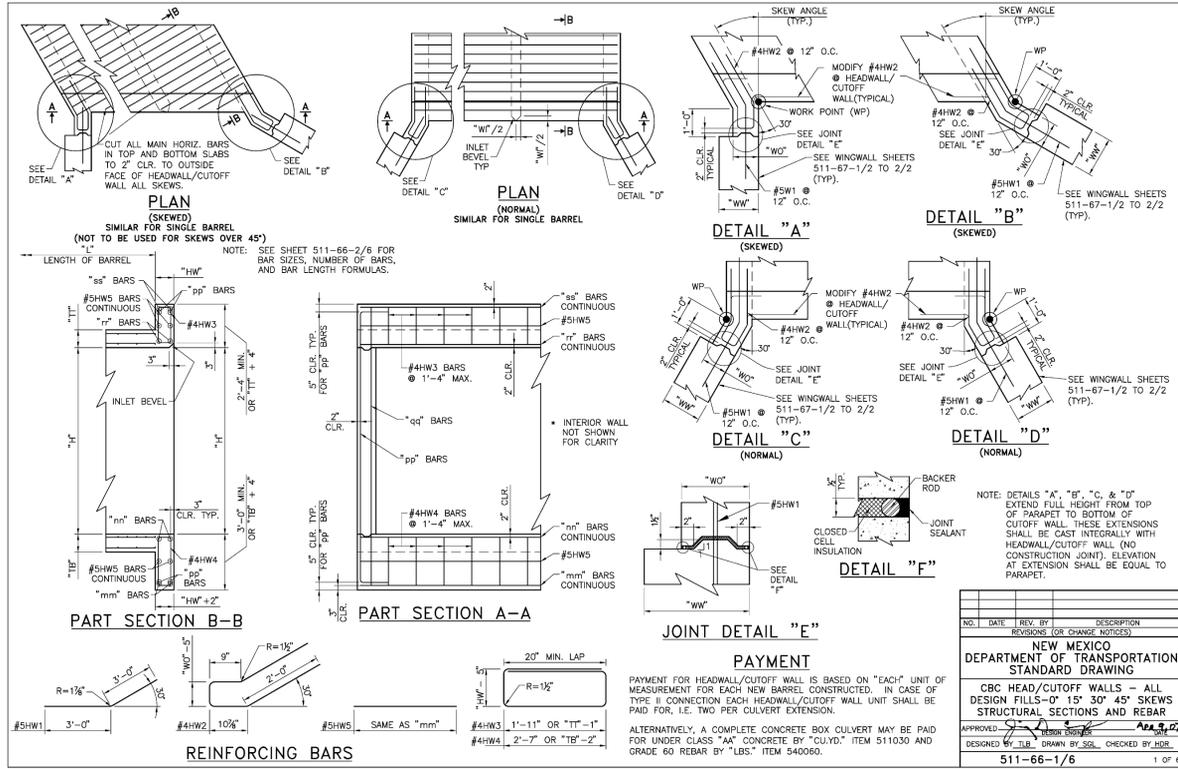
NMDOT CBC SERIALS

SANITARY SEWER LINE
 AZTEC, NEW MEXICO

PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:
 SHEET: C404

REGISTERED PROFESSIONAL ENGINEER
 12856
 3/9/16

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



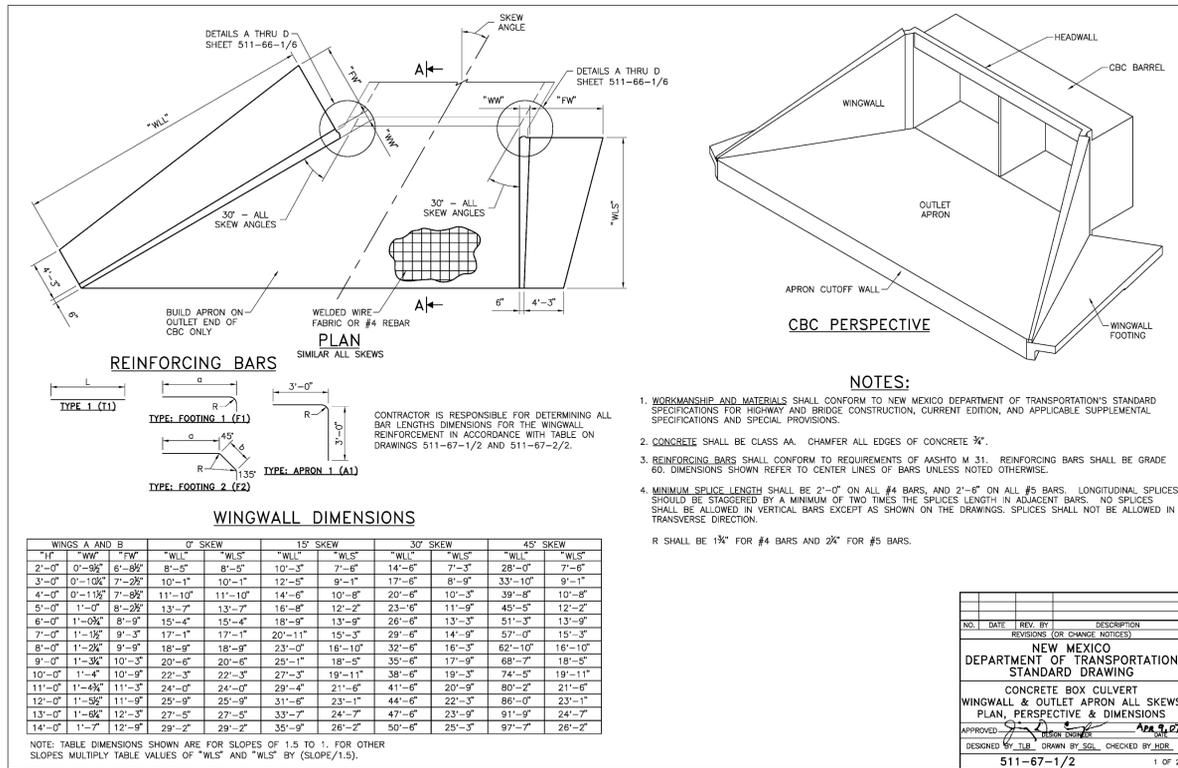
NO. DATE REV. BY DESCRIPTION
 REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CBC HEAD/CUTOFF WALLS - ALL DESIGN FILLS - 15° 30' 45° SKEWS STRUCTURAL SECTIONS AND REBAR

APPROVED: [Signature] DESIGNED BY: T.L.B. DRAWN BY: S.S.L. CHECKED BY: H.D.R.

511-66-1/6 1 of 6



NO. DATE REV. BY DESCRIPTION
 REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CONCRETE BOX CULVERT WINGWALL & OUTLET APRON ALL SKEWS PLAN, PERSPECTIVE & DIMENSIONS

APPROVED: [Signature] DESIGNED BY: T.L.B. DRAWN BY: S.S.L. CHECKED BY: H.D.R.

511-67-1/2 1 of 2

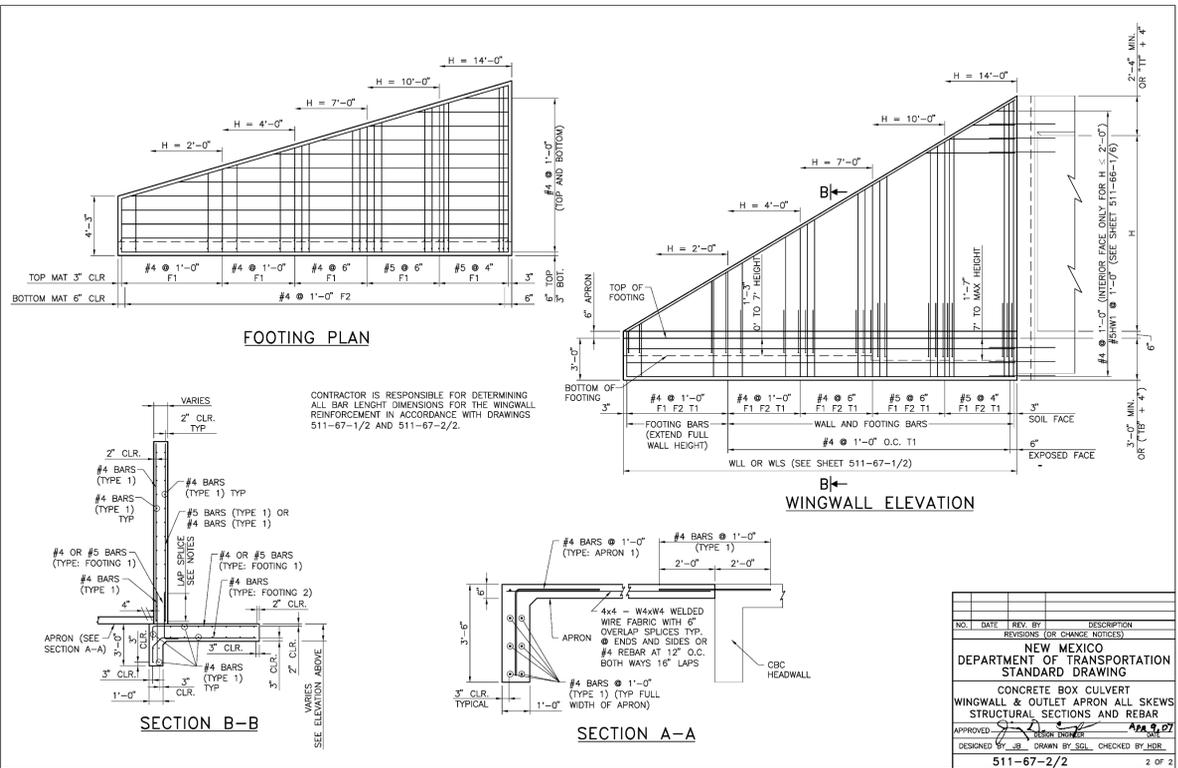
BOX CULVERT NOMINAL DIMENSIONS	HEADWALL AND CUTOFF WALL DIMENSION & GRADE 60 REINFORCING BAR SCHEDULE (BAR SIZE AND NUMBER OF BARS REQUIRED)															
	0 DEGREE SKEW				15 DEGREE SKEW				30 DEGREE SKEW				45 DEGREE SKEW			
SPAN "S" INSE	HEIGHT "H" INSE	WIDTH "W" INSE	NUMBER OF BARS	BAR SIZE												
4'-0"	2'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
4'-0"	3'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	3'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	4'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	5'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	6'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	7'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	8'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	9'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	10'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	11'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	12'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	13'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2
6'-0"	14'-0"	12'-0"	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2	#7 2

EXAMPLE OF USE OF THIS TABLE:
 PROPOSED STRUCTURE: DOUBLE BARREL, 12 FT. SPAN/10 FT. HEIGHT, CBC WITH 30° SKEW.
 USE THE FOLLOWING BUILD INFORMATION FROM THE TABLE ABOVE:

LENGTH OF BARS: THE LENGTH OF "mm", "nr", "tr", "ss", & #5HWS SHALL BE DETERMINED BY:
 LENGTH = (((W*2)+(S*H))+[W*(N-1)]/COS(SKEW ANGLE)) - 4" (ROUND DOWN TO NEAREST 3/4")
 THESE BARS SHALL BE FURNISHED IN FULL LENGTHS CALCULATED OR BE MECHANICALLY COUPLED BY DEVICES LISTED ON THE WOOD APPROVED PRODUCTS LIST.
 N = NUMBER OF BARRELS (1, 2, 3, OR 4)
 "qr" BAR LENGTH = "H" + 59"
 "pp" BAR = [W+(S*H) MIN. OR (TT+TB+8)] IF LARGER] - 10" + 2*STANDARD HOOK LENGTH

FOR EXTENSIONS OF EXISTING CBC'S OF S=5°, S=7°, AND S=9° SPAN SIZES NOT INCLUDED IN THIS TABLE, USE DIMENSIONS, BAR SIZES, AND NUMBER OF BARS FOR NEXT GREATER SPAN TO BUILD. FOR EXAMPLE, FOR S=5° USE DIMENSIONS AND BAR DETAILS FROM THE TABLE FOR S=6°. USE S=5° IN FORMULAS TO DETERMINE LENGTH OF BARS "mm", "nr", "tr", "ss", & #5HWS. ANY OTHER SIZE OF BOX EXTENSIONS NOT COVERED BY THIS MODIFICATION SHALL BE DONE THROUGH SPECIAL DESIGN INCLUDED IN THE PROJECT PLANS.

NOTE: THIS TABLE IS FOR USE WITH ONE TO FOUR BARRELS. FOR FIVE OR MORE BARRELS USE COMBINATIONS OF ONE TO FOUR BARRELS REPEATING THIS DESIGN.



NO. DATE REV. BY DESCRIPTION
 REVISIONS (OR CHANGE NOTICES)

NEW MEXICO DEPARTMENT OF TRANSPORTATION STANDARD DRAWING

CONCRETE BOX CULVERT WINGWALL & OUTLET APRON ALL SKEWS STRUCTURAL SECTIONS AND REBAR

APPROVED: [Signature] DESIGNED BY: T.L.B. DRAWN BY: S.S.L. CHECKED BY: H.D.R.

511-67-2/2 2 of 2

AZ 2016-549
 NMED CWSRF 021



NO.	DESCRIPTION	DATE	BY
7			
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3			
2			
1			

HUIT-ZOLLARS
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone: (505) 892-5141 Fax: (505) 892-3259

DESIGNED FOR:
CITY OF AZTEC

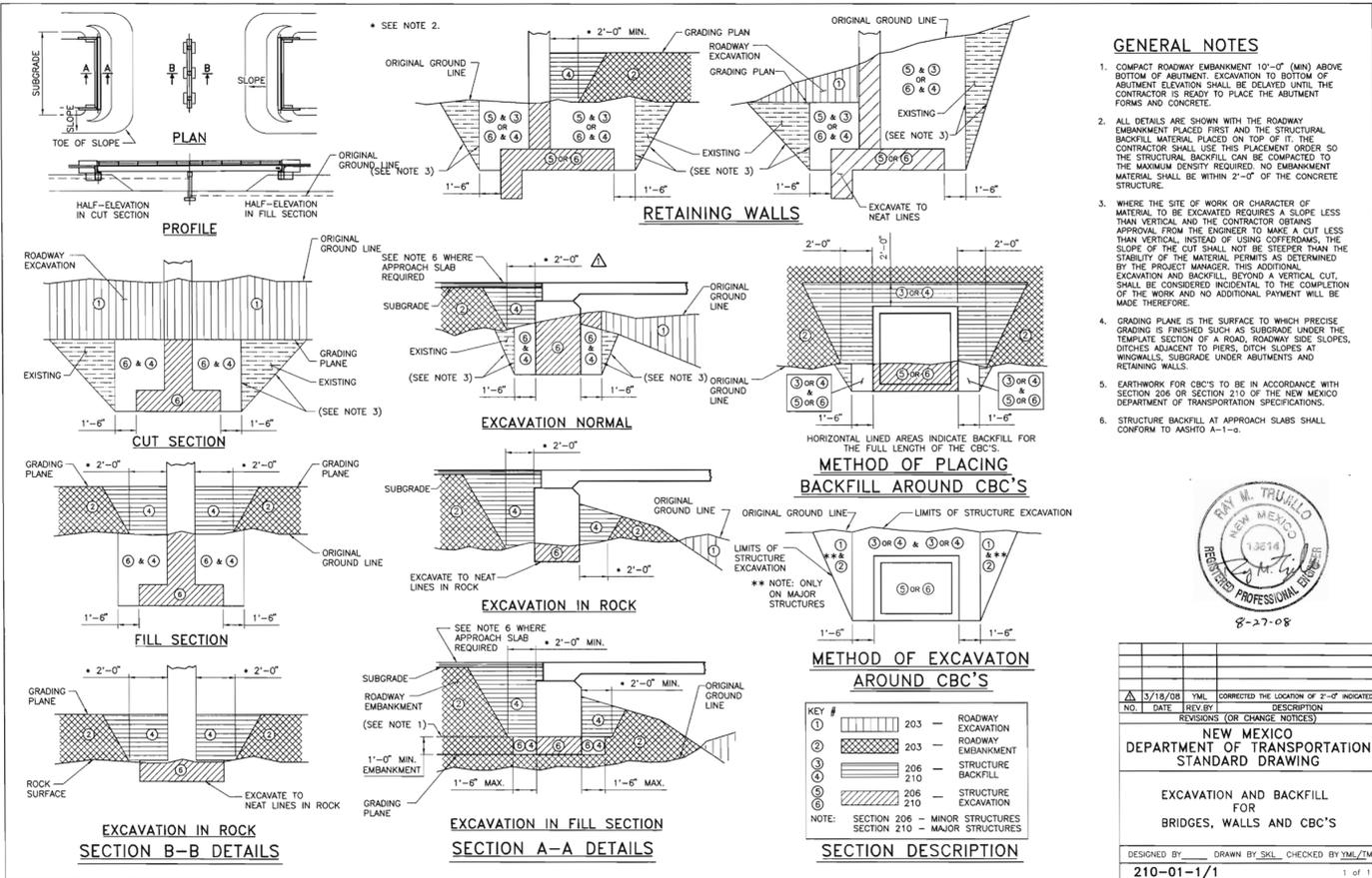
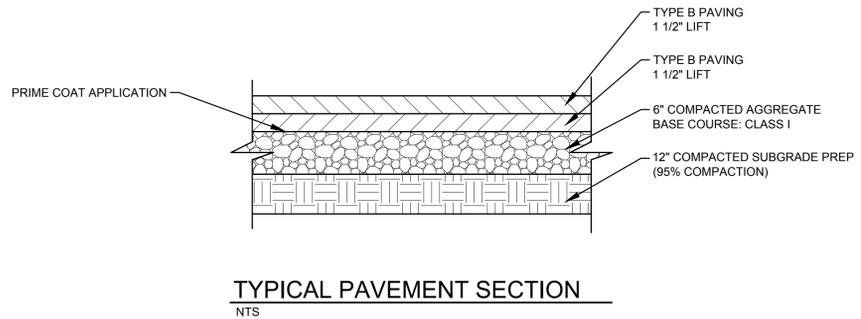
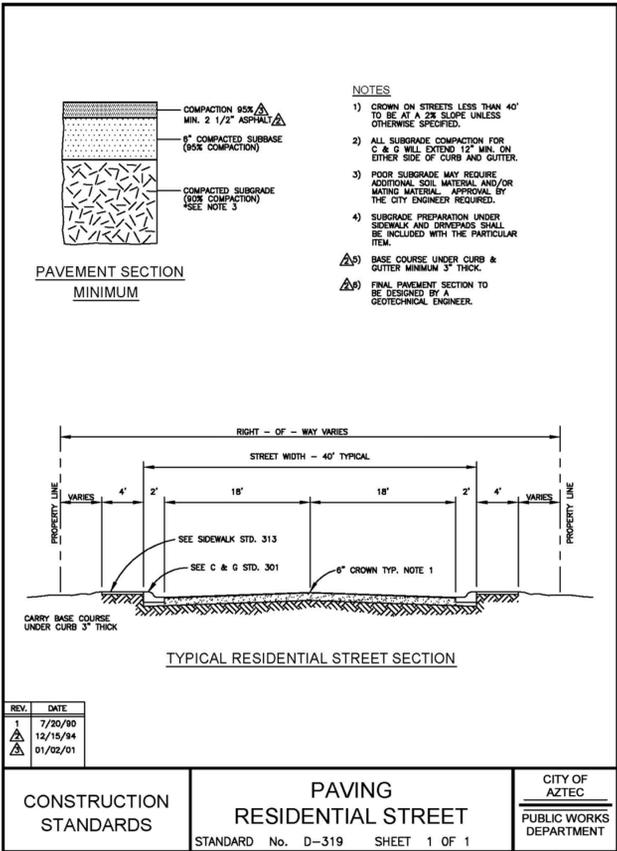
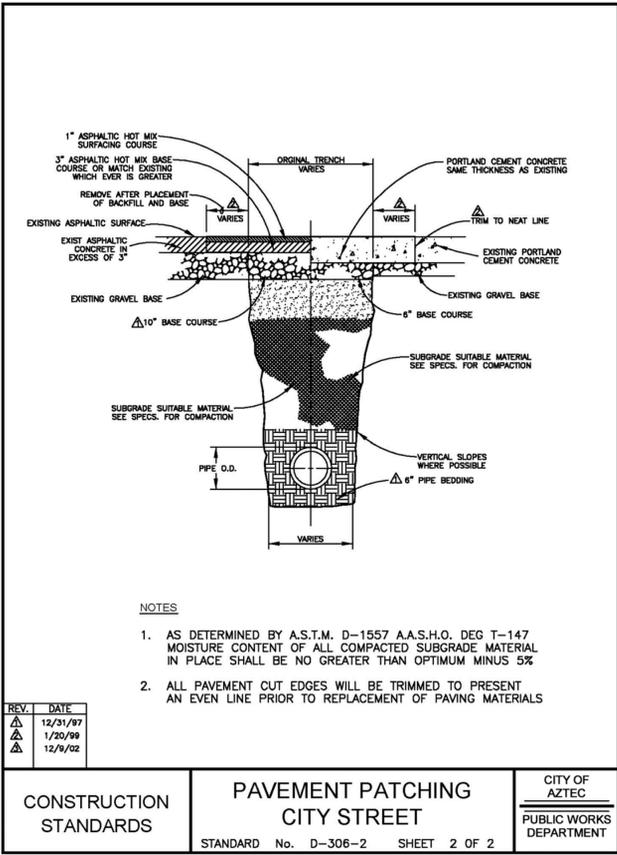
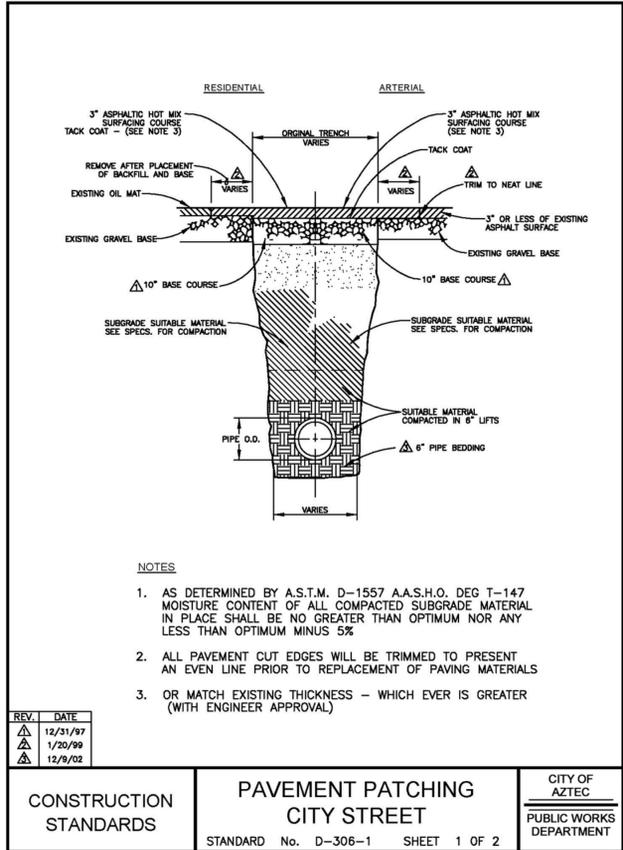
NMDOT CBC SERIALS

SANITARY SEWER LINE
AZTEC, NEW MEXICO

PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:
 SHEET: **C405**

Printed: 4/5/2016 1:46:02 AM By: Matthew Coble
 Copied: 7/20/2016 10:52:56 AM By: Matthew Coble
 Last Saved: 2/12/2016 11:48:47 AM cmathieson

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



NO.	DESCRIPTION	DATE	BY
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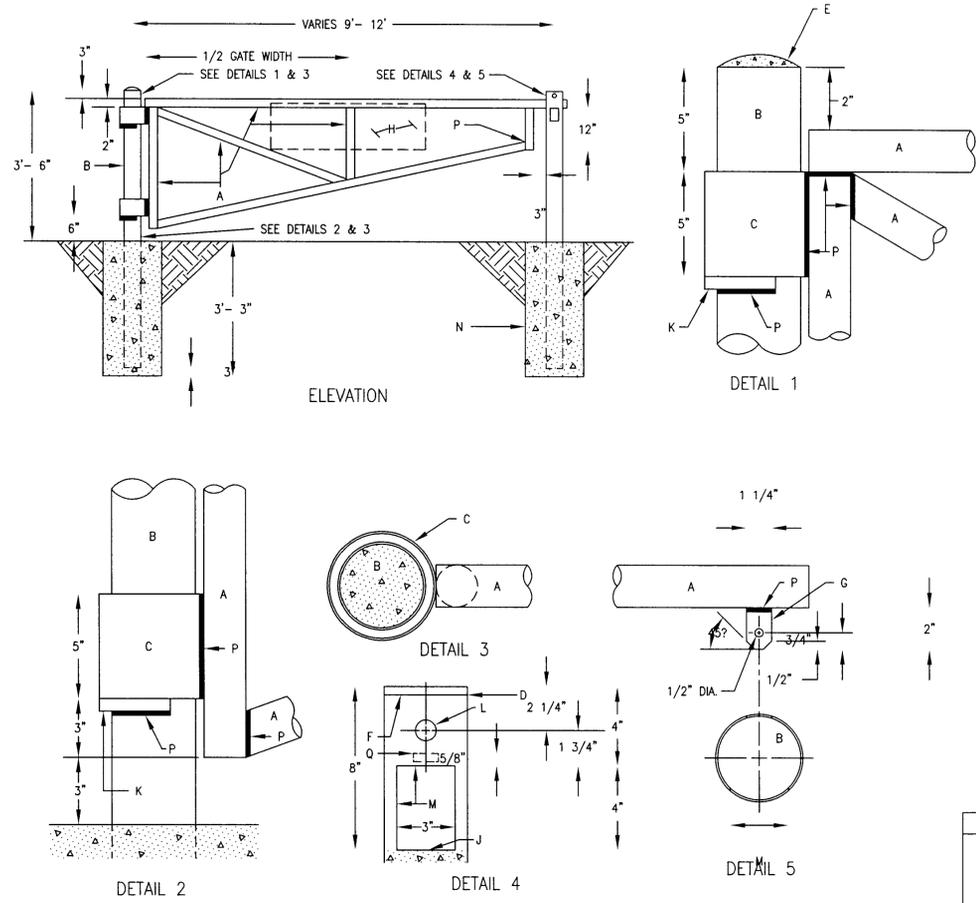
HUITZOLARS
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

PAVING DETAILS AND NMDOT CBC SERIALS
SANITARY SEWER LINE AZTEC, NEW MEXICO



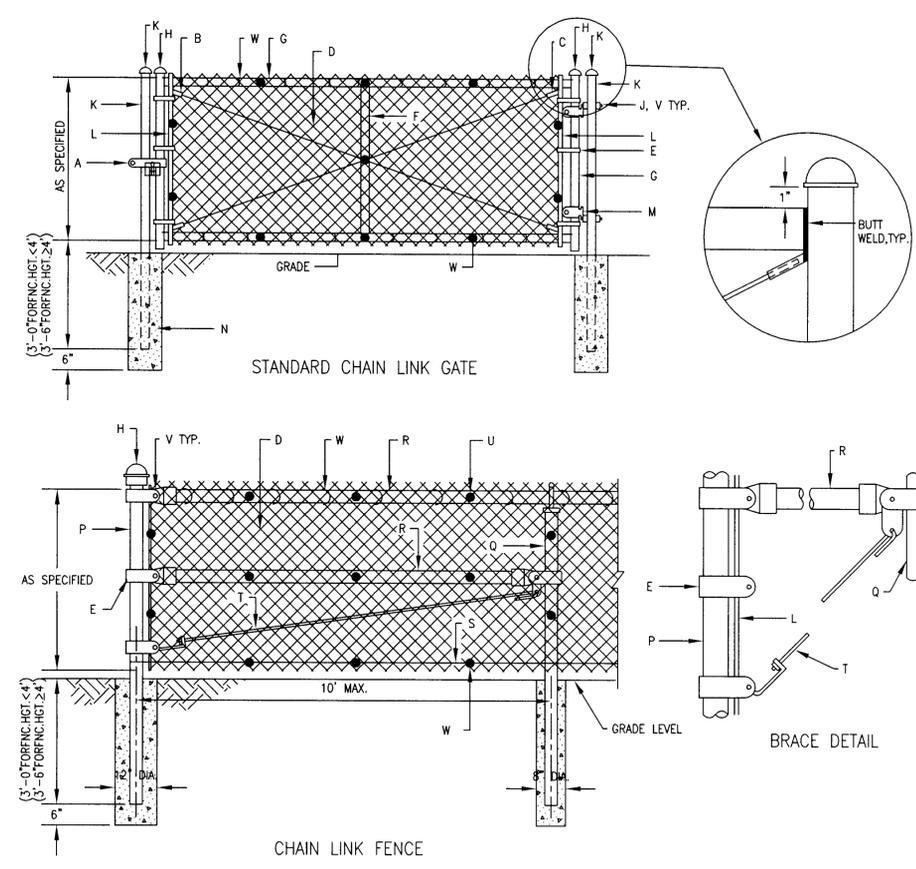
PROJECT NO. 17-0788-01
DESIGNED BY: SAE
DRAWN BY: LRT
CHECKED BY: SAE
DATE: MARCH, 9 2016
DPW CHK:
SHEET: C406

NOTICE OF EXTENDED PAYMENT
 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:**
- ALL WELDED AND CUT AREAS TO BE CLEANED THOROUGHLY WITH A WIRE BRUSH AND OR SAND BLAST AND REGALVANIZED.
 - REGALVANIZING SHALL BE WITH SHERWIN WILLIAMS ZINC CLAD 7 PRIMER OR EQUAL.
- CONSTRUCTION NOTES:**
- 2" NOMINAL DIA. GALV. PIPE, MIN. WEIGHT PER FOOT 3.65 LBS.
 - 4" DIA. BLACK STEEL PIPE, MIN. 10.79 LBS./FT., CONC. FILLED, PAINT W/2 COATS ALUM. PAINT.
 - 5" DIA. BLACK STEEL PIPE, MIN. 14.62 LBS./FT., PAINT W/2 COATS ALUM. PAINT.
 - 1/4" BUTT WELD ALL AROUND.
 - CONCRETE ROUNDED AT TOP OF POST.
 - 3/8" X 4 1/4" DIA. STEEL PLATE.
 - 3/8" STEEL PLATE FLANGE.
 - REFLECTIVE SIGN STATING, AUTHORIZED VEHICLES ONLY, WILL BE PROVIDED AND INSTALLED BY OWNER.
 - STOP CONC. IN PIPE AT THIS POINT.
 - 1/2" SQ. STEEL BAR FOR HINGE SUPPORT. POSITION BAR TO ALLOW UNRESTRICTED GATE ROTATION THROUGH ENTIRE SWING OF GATE OPENING.
 - 1" DIA. FINGER HOLE.
 - MAKE A 3" X 4" CUT IN PIPE.
 - 3,000 PSI AIR ENTRAINED FLY ASH CONC.
 - WELD ALL 2" PIPE & FIXTURE CONNECTIONS WITH 3/8" FILLET ALL AROUND.
 - 1 1/2" X 5/8" SLOT FOR STEEL PLATE FLANGE.

REVISIONS	NM APWA
	DRAINAGE
	PIPE GATE DETAIL
	DWG. 2251
	FEB. 2006



- GENERAL NOTES:**
- GATE TO BE USED AS SPECIFIED ON CONSTRUCTION DRAWINGS FOR DRAINAGE EASEMENT BARRICADE, SEE DWG. 2251 OR DWG. 2253.
 - SINGLE LEAF GATES WILL BE USED ON OPENINGS OF 12' OR LESS. FOR MORE THAN 12', DOUBLE LEAF GATES SHALL BE USED, WITH A CENTER LOCK POST INSERTED IN A PIPE SLEEVE IN CENTER OF OPENING.
 - DIMENSIONS ABOVE OR BELOW GRADE LEVEL WILL BE ON CONSTRUCTION DRAWINGS. IF NONE ARE NOTED, MESH IS FLUSH WITH GRADE LEVEL.
 - ALL METAL ITEMS, INCLUDING PIPE, SHALL BE GALV. STEEL. ALL PIPE SHALL BE NOMINAL SIZE, SCH. 40.
- CONSTRUCTION NOTES:**
- GATE LATCH WITH VANDAL PROOF SHIELD & PADLOCK (PADLOCK TO BE FURNISHED BY THE OWNER).
 - 2- 3/8" TRUSS RODS, WELDED AT CORNERS.
 - 2- 3/8" THREADED TRUSS RODS AND BRACKET ATTACHMENT.
 - 2" NO. 9 GAUGE CHAIN LINK GALV. WIRE FABRIC.
 - STEEL TENSION BANDS AT 18" OR LESS O.C.
 - BRACE, 1 1/4" DIA., WELDED TO FRAME.
 - GATE FRAME, 2" DIA. (2.375 O.D.) WELDED.
 - MALLEABLE ACORN CAP.
 - 4" J-BOLT, THREADED.
 - 3 1/2" GATE POST (4" O.D.) WITH WELDED STEEL CAP.
 - TENSION BAR 1/4" X 3/4".
 - GATE CLAMP.
 - 12" DIA. HOLES, FILLED WITH PORTLAND CEMENT CONC.
 - CORNER POST 2 1/2" DIA. (2.875 O.D.).
 - LINE POST 2" DIA. (2.375 O.D.).
 - TOP AND BRACE RAILS 1 1/4" DIA. (1.660 O.D.).
 - WIRE REINFORCEMENT, 9 GAUGE, INSTALL 3" ABOVE BOTTOM OF FABRIC.
 - TRUSS ROD 3/8" DIA.
 - FABRIC SHALL BE TACK WELDED TWO PLACES TO EACH TENSION BAR AND THREE PLACES TO ALL TOP AND BRACE RAILS BETWEEN POSTS.
 - ALL NUTS, BOLTS, AND OTHER CONNECTIONS SHALL BE TACK WELDED.
 - WIRE TIES, 9 GA. GALV. STEEL AT 18" O.C.

REVISIONS	NM APWA
	DRAINAGE
	STANDARD CHAIN LINK GATE
	AND FENCE DETAILS
	DWG. 2252
	FEB. 2006

AZ 2016-549
 NMED CWSRF 021



NO.	DESCRIPTION	DATE	BY
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 Designed For: **CITY OF AZTEC**

FENCE DETAILS
SANITARY SEWER LINE
AZTEC, NEW MEXICO



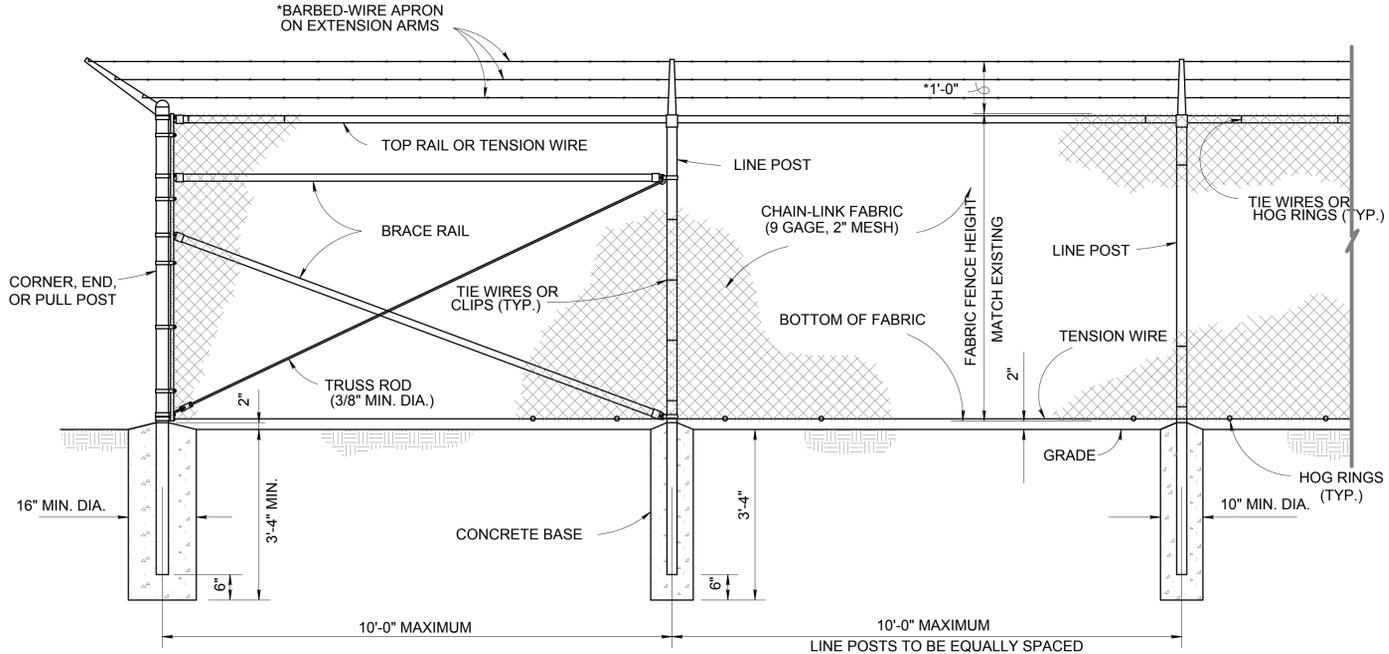
PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:

SHEET: **C407**

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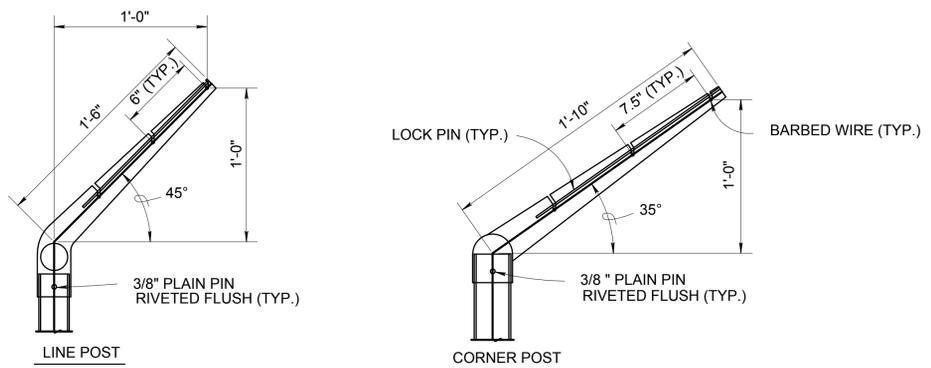
NOTICE OF EXTENDED PAYMENT
 NOTICE OF EXTENDED PAYMENT PROVISION THIS CONTRACT ALLOWS THE OWNER TO MAKE PAYMENT WITHIN 45 DAYS AFTER SUBMISSION OF AN UNDISPUTED REQUEST FOR PAYMENT

AZ 2016-549
 NMED CWSRF 021

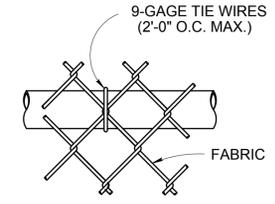


CHAIN-LINK FENCE DETAIL
 N.T.S.

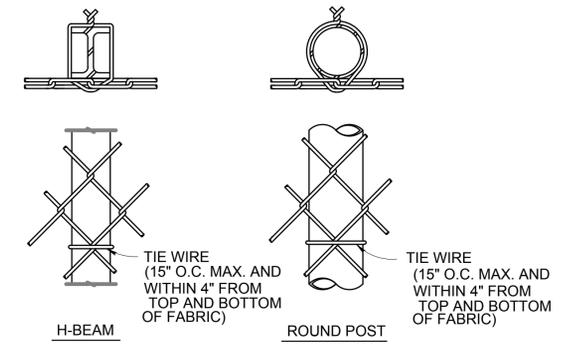
*OPTIONAL ITEMS



*** EXTENSION ARM DETAILS**
 N.T.S.



TOP OR BRACE RAIL ATTACHMENT
 N.T.S.



LINE POST ATTACHMENTS
 N.T.S.

NO.	DESCRIPTION	DATE	BY
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FENCE DETAILS

SANITARY SEWER LINE
AZTEC, NEW MEXICO

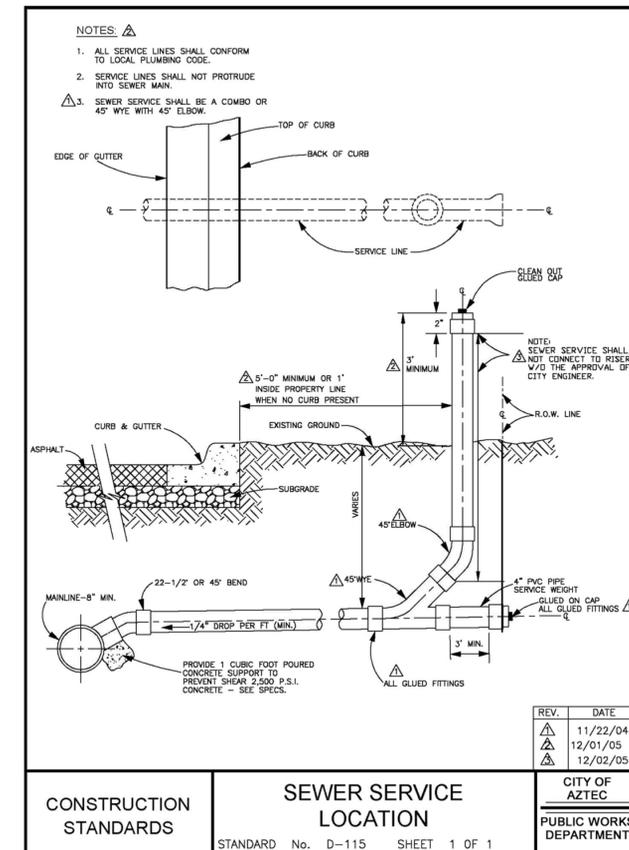
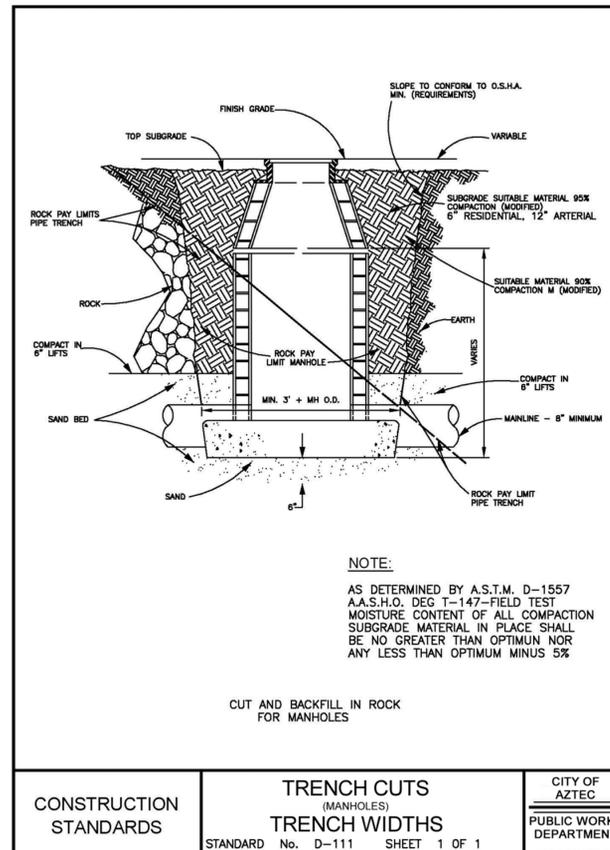
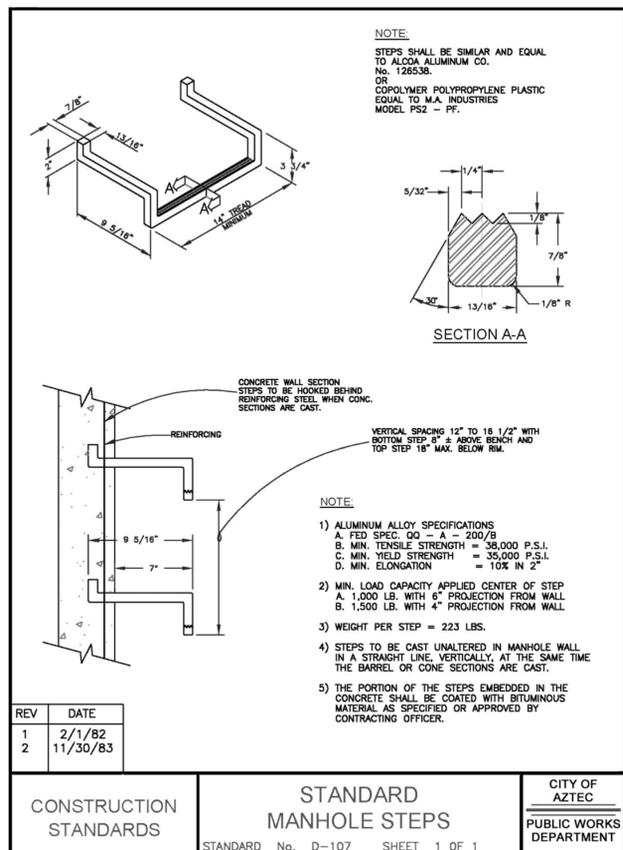
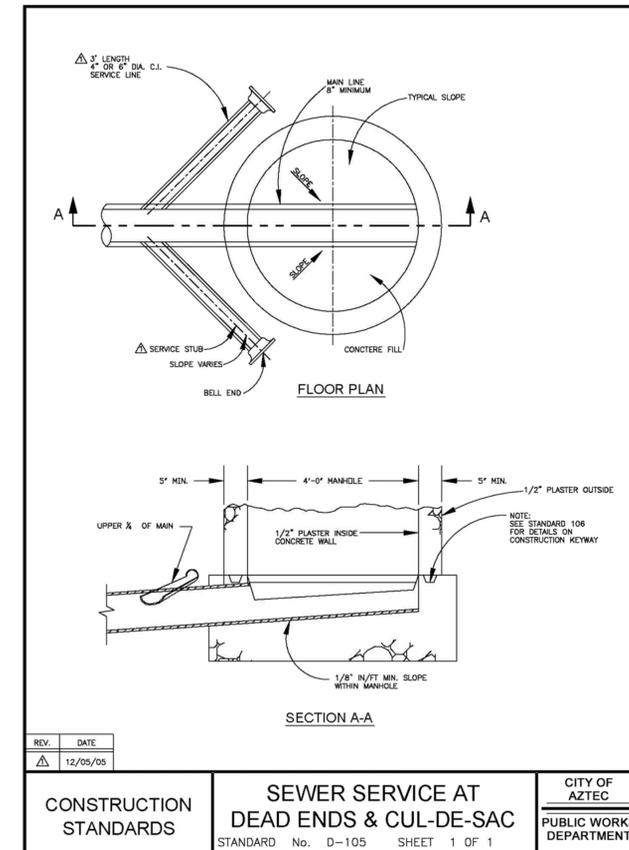
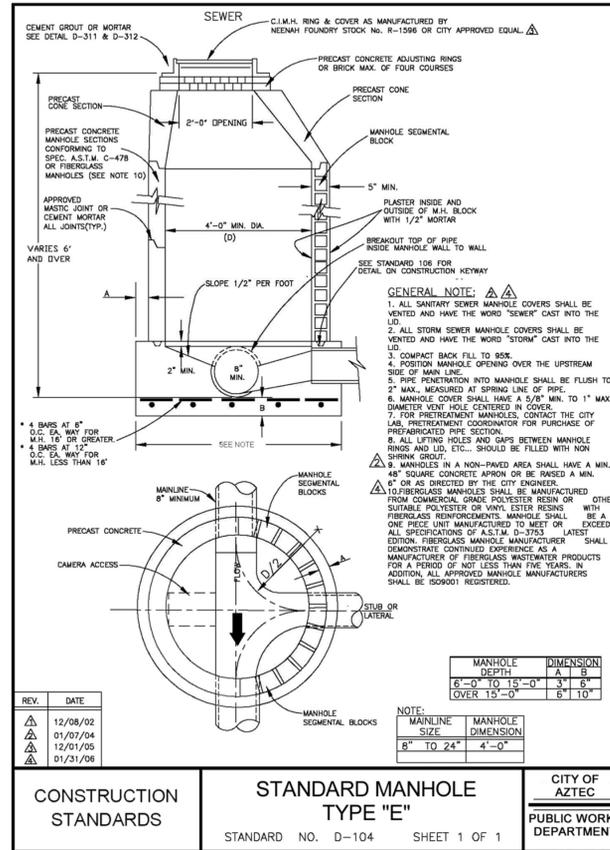
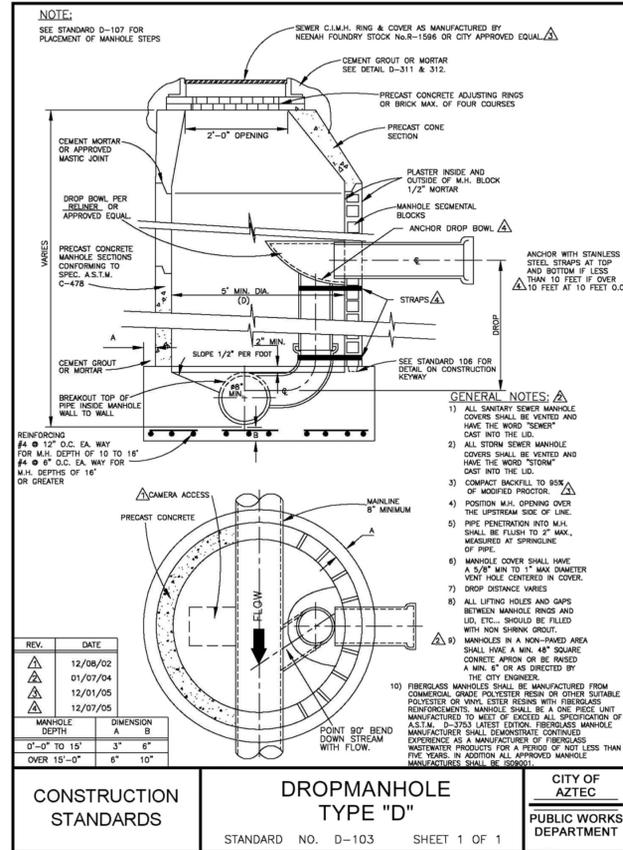


PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:

SHEET:
C408

NOTICE OF EXTENDED PAYMENT

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



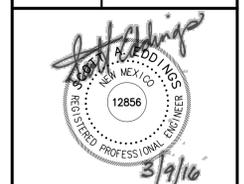
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HUIT-ZOLLARS
333 Rio Rancho Drive NE, Suite 101
Rio Rancho, New Mexico 87124
Phone (505) 892-5141 Fax (505) 892-3259

Designed For: **CITY OF AZTEC**

SANITARY SEWER DETAILS

SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01

DESIGNED BY: SAE

DRAWN BY: LRT

CHECKED BY: SAE

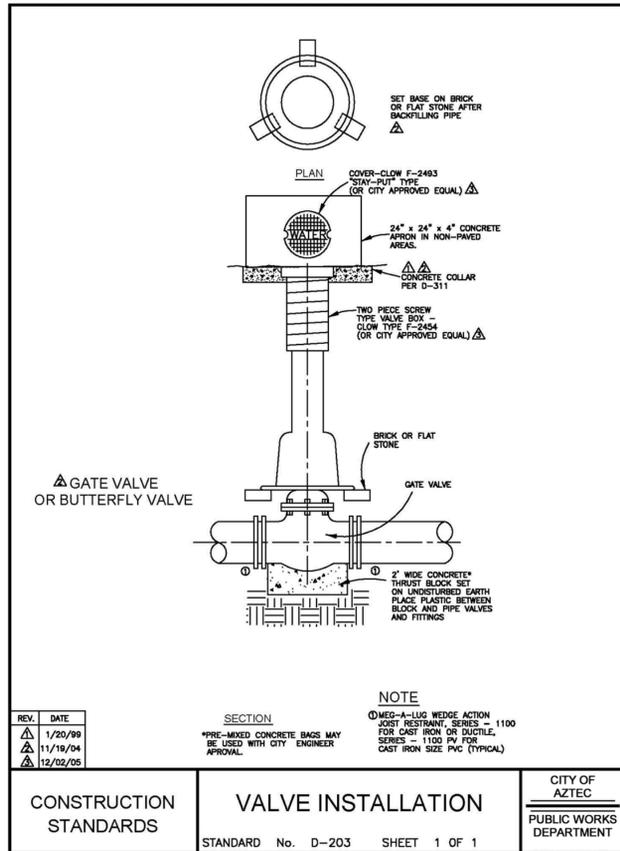
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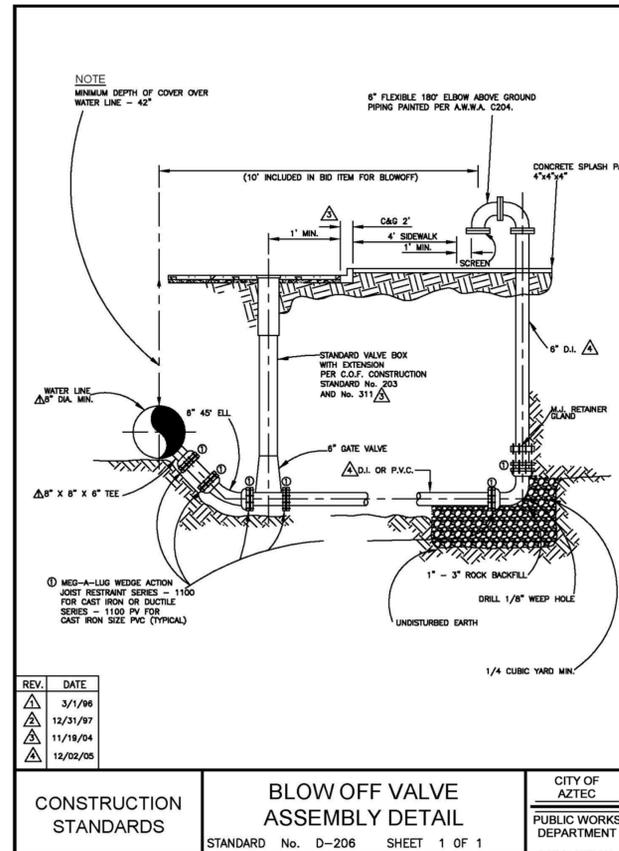
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NOTICE OF EXTENDED PAYMENT
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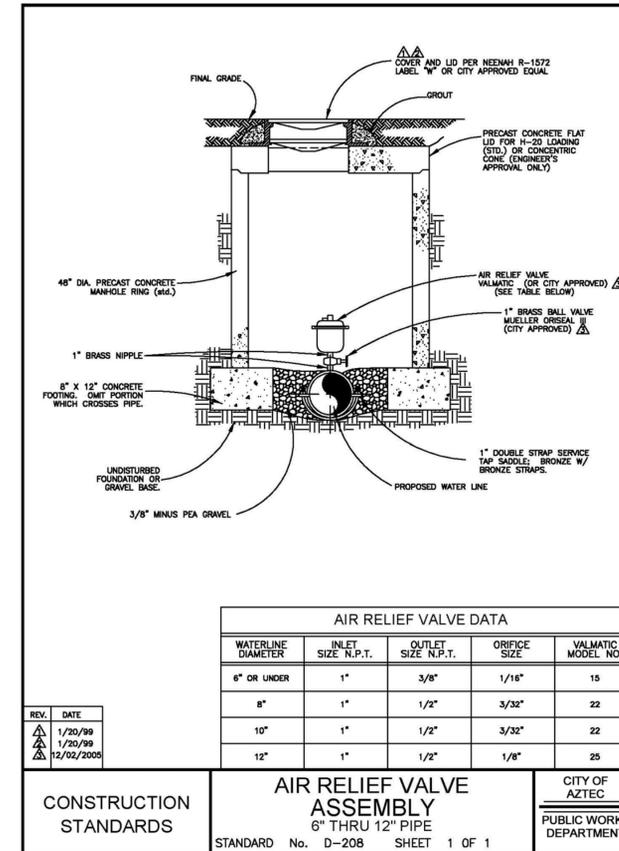
REV.	DATE	SECTION	CITY OF AZTEC
1	1/20/99	VALVE INSTALLATION	PUBLIC WORKS DEPARTMENT
2	11/19/04		
3	12/02/05		

STANDARD No. D-203 SHEET 1 OF 1



REV.	DATE	CITY OF AZTEC
1	3/1/96	PUBLIC WORKS DEPARTMENT
2	12/31/97	
3	11/19/04	
4	12/02/05	

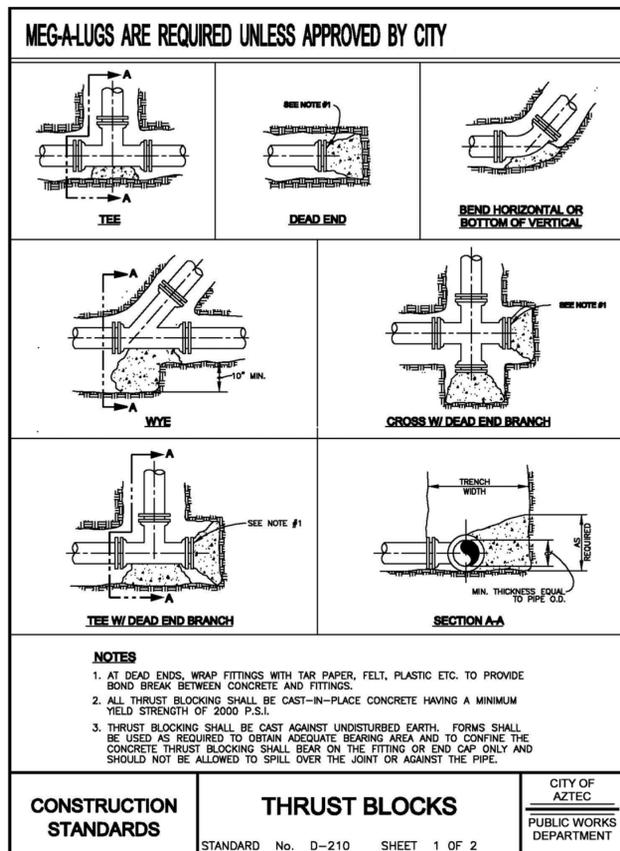
STANDARD No. D-206 SHEET 1 OF 1



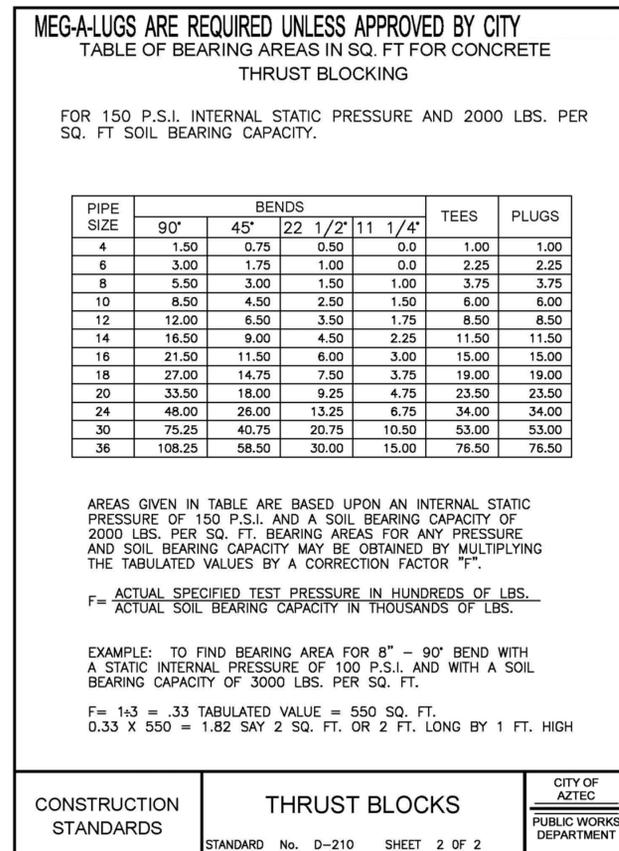
AIR RELIEF VALVE DATA				
WATERLINE DIAMETER	INLET SIZE N.P.T.	OUTLET SIZE N.P.T.	ORIFICE SIZE	VALMATIC MODEL NO.
6" OR UNDER	1"	3/8"	1/16"	15
8"	1"	1/2"	3/32"	22
10"	1"	1/2"	3/32"	22
12"	1"	1/2"	1/8"	25

REV.	DATE	CITY OF AZTEC
1	1/20/99	PUBLIC WORKS DEPARTMENT
2	1/20/99	
3	12/02/2005	

STANDARD No. D-208 SHEET 1 OF 1



CONSTRUCTION STANDARDS	THRUST BLOCKS	CITY OF AZTEC
	STANDARD No. D-210 SHEET 1 OF 2	PUBLIC WORKS DEPARTMENT



CONSTRUCTION STANDARDS	THRUST BLOCKS	CITY OF AZTEC
	STANDARD No. D-210 SHEET 2 OF 2	PUBLIC WORKS DEPARTMENT

AZ 2016-549
 NMED CWSRF 021



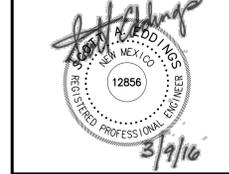
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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259

Designed For: **CITY OF AZTEC**
 PUBLIC WORKS DEPARTMENT

WATER DETAILS

SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:
 SHEET: **C411**

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NOTICE OF EXTENDED PAYMENT
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 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259

CITY OF AZTEC
 PUBLIC WORKS DEPARTMENT

EROSION CONTROL DETAILS
 SANITARY SEWER LINE
 AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:
 SHEET:

C412

CITY CONTRACTS
 REFERENCE FOR OTHERS

TEMPORARY EROSION & SEDIMENT CONTROL MEASURES (T.E.S.C.M.)

GENERAL NOTES:

- THE SOIL RETENTION INSTALLATION DETAILS SHOWN FOR CULVERT PROTECTION SHALL BE USED FOR ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES UTILIZING SOIL RETENTION BLANKETS UNLESS OTHERWISE NOTED.
- ROCK PLACEMENT USED IN THE TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHOWN ON THESE SHEETS SHALL HAVE A MINIMUM THICKNESS OF 6 INCHES UNLESS OTHERWISE INDICATED.
- ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES PLACED WITHIN THE CONSTRUCTION CLEAR ZONE SHALL BE INSTALLED WITH 8:1 SLOPES PARALLEL TO TRAFFIC AND 4:1 SLOPES PERPENDICULAR TO TRAFFIC.
- SEDIMENT TRAPS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN APPROXIMATELY 50% FILLED.
- CHECK DAMS SHALL BE CLEANED OF ACCUMULATED SEDIMENT WHEN THE DEPOSITS REACH APPROXIMATELY ONE-HALF THE HEIGHT OF THE CHECK DAM.
- CULVERT PROTECTIONS SHALL BE INSTALLED UPON INITIATION OF EARTH ACTIVITIES AND MAINTAINED AS MUCH AS PRACTICAL UNTIL STABILIZATION IS COMPLETED AND ACCEPTED. CULVERT PROTECTIONS MAY BE REMOVED FOR PERIODS OF TIME AS REQUIRED DURING CONSTRUCTION TO COMPLETE ADJACENT IMPROVEMENTS.
- THE CONTRACTOR MAY CONSTRUCT AN EARTH DIKE AS SHOWN, OR RELOCATE THE CHECK DAMS AS CONSTRUCTION PROGRESSES. NO DIRECT PAYMENT SHALL BE MADE FOR RELOCATION OF THE CHECK DAMS.

NOT TO SCALE

CONSTRUCTION STANDARDS	TEMPORARY EROSION CONTROL LABELS	CITY OF AZTEC PUBLIC WORKS DEPARTMENT
	STANDARD No. D-627 SHEET 1 OF 2	

CITY CONTRACTS
 REFERENCE FOR OTHERS

TEMPORARY EROSION NOTES

TYPICAL USAGE OF SELECTED EROSION AND SEDIMENT CONTROL MEASURES

STANDARD SYMBOLS FOR EROSION AND SEDIMENT CONTROL MEASURES

Silt Fence	Slope Drain	Sediment Trap
Storm Drain	Check Dam	Sediment Trap Enclosed
Earth Dike (Berm)	Culvert Protection	Sediment Basin
Dimension Channel (Swale)	Triangular Filter Dike	

NOT TO SCALE

CONSTRUCTION STANDARDS	TEMPORARY EROSION NOTES	CITY OF AZTEC PUBLIC WORKS DEPARTMENT
	STANDARD No. D-627 SHEET 2 OF 2	

CITY CONTRACTS
 REFERENCE FOR OTHERS

EARTH DIKE (BERM)

SECTION A-A
 NOT TO SCALE

SECTION B-B
 NOT TO SCALE

NOT TO SCALE

CONSTRUCTION STANDARDS	EARTH DIKE (BERM)	CITY OF AZTEC PUBLIC WORKS DEPARTMENT
	STANDARD No. D-614 SHEET 1 OF 1	

CITY CONTRACTS
 REFERENCE FOR OTHERS

STATE REQUIREMENTS FOR OFFSITE TRACKING PREVENTION

NOT TO SCALE

CONSTRUCTION STANDARDS	STATE REQUIREMENTS FOR OFFSITE TRACKING PREVENTION	CITY OF AZTEC PUBLIC WORKS DEPARTMENT
	STANDARD No. D-615 SHEET 1 OF 2	

CITY CONTRACTS
 REFERENCE FOR OTHERS

CITY REQUIREMENTS FOR OFFSITE TRACKING PREVENTION

NOT TO SCALE

CONSTRUCTION STANDARDS	CITY REQUIREMENTS FOR OFFSITE TRACKING PREVENTION	CITY OF AZTEC PUBLIC WORKS DEPARTMENT
	STANDARD No. D-615 SHEET 2 OF 2	

CITY CONTRACTS
 REFERENCE FOR OTHERS

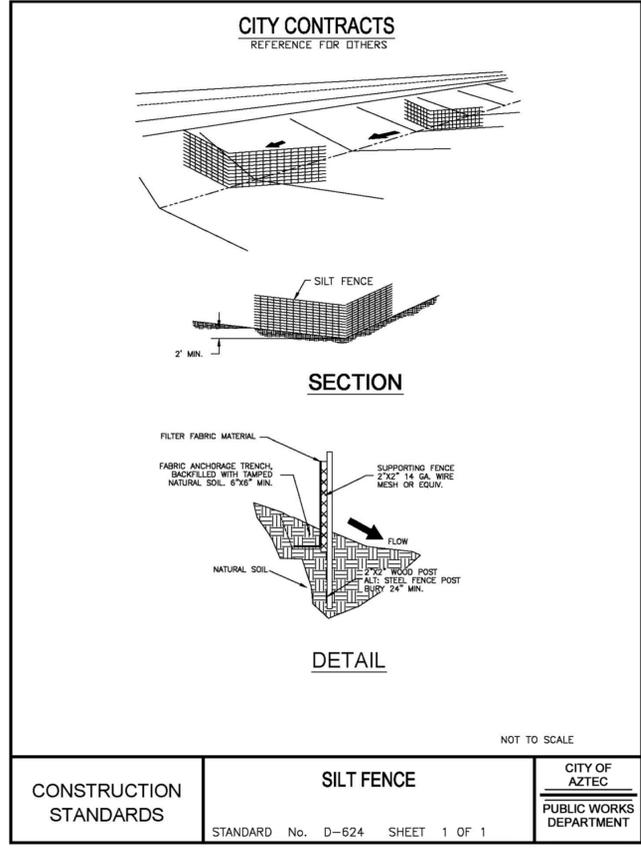
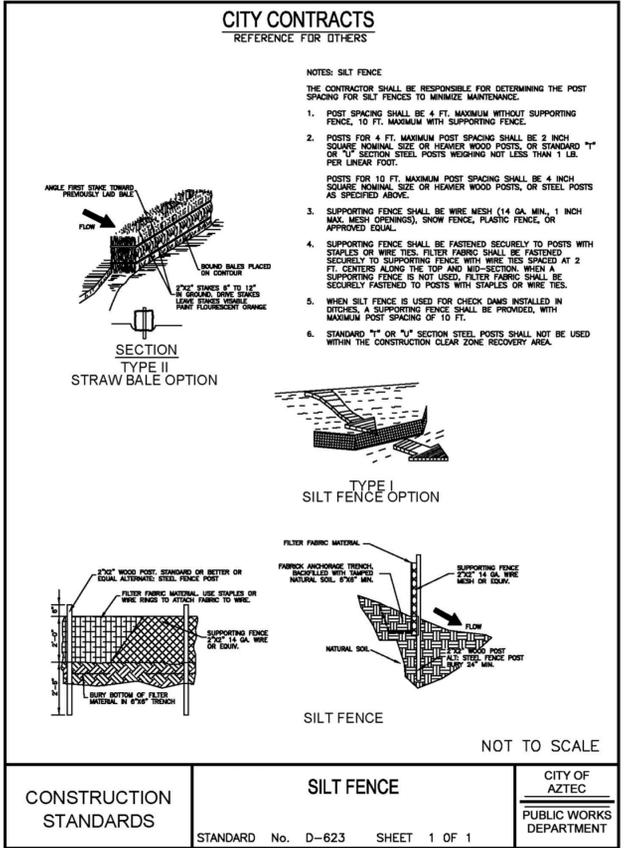
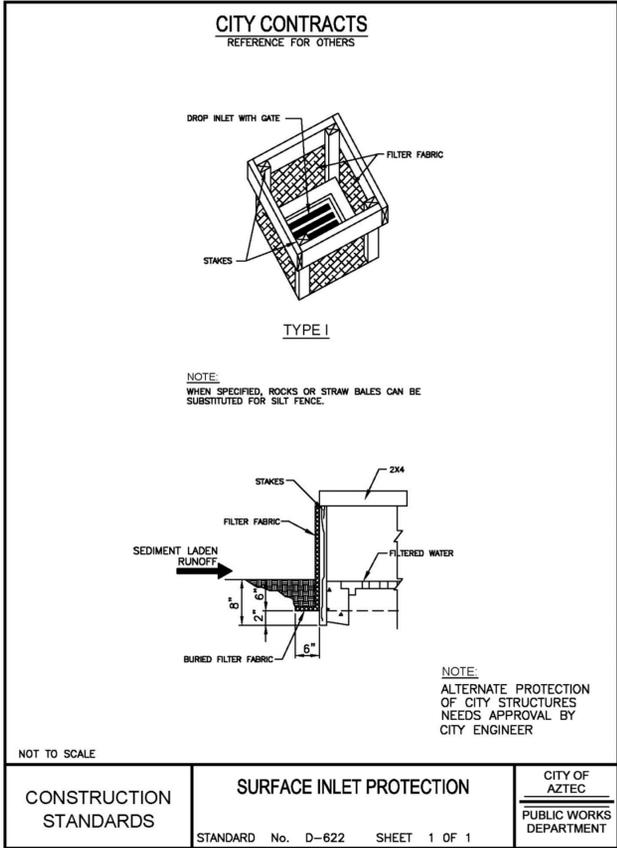
CULVERT PROTECTION

NOT TO SCALE

CONSTRUCTION STANDARDS	CULVERT PROTECTION	CITY OF AZTEC PUBLIC WORKS DEPARTMENT
	STANDARD No. D-620 SHEET 1 OF 1	

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NOTICE OF EXTENDED PAYMENT
 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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Designed By: **HUIT-ZOLLARS**
 333 Rio Rancho Drive NE, Suite 101
 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259

Designed For: **CITY OF AZTEC**

EROSION CONTROL DETAILS

SANITARY SEWER LINE
AZTEC, NEW MEXICO



PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
 DATE: MARCH, 9 2016
 DPW CHK:

SHEET: **C413**

NOTICE OF EXTENDED PAYMENT

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SUGGESTED SEQUENCE CONSTRUCTION

CONTRACTOR IS SOLELY RESPONSIBLE TO DEVELOP, SUBMIT AND PROCESS CONSTRUCTION SEQUENCING AND TEMPORARY TRAFFIC CONTROL PLANS, PREPARED AND SIGNED BY A REGISTERED NEW MEXICO PROFESSIONAL ENGINEER THRU THE CITY OF AZTEC CITY ENGINEER.

THE SUGGESTED SEQUENCING PLANS ARE PROVIDED FOR **INFORMATIONAL PURPOSES ONLY**.

TWO WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL ERECT PROJECT SIGNS AND NOTIFY THE CITY OF AZTEC CITY ENGINEER THAT CONSTRUCTION WILL BEGIN.

ALL ADVANCED CONSTRUCTION SIGNING SHALL BE IN PLACE PRIOR TO CONSTRUCTION COMMENCING IN EACH PHASE. NO WORK SHALL BE PERFORMED UNTIL ALL DEVICES ARE IN PLACE AND IN OPERATION. CONTRACTOR SHALL PREPARE, SUBMIT AND PROCESS TRAFFIC CONTROL PLANS THRU CITY OF AZTEC CITY ENGINEER

NOTICE TO CONTRACTORS

1. CONTRACTOR SHALL ONLY ACCESS PROJECT SITE THROUGH DESIGNATED LOCATIONS.
2. THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE PROPERTY OWNERS AND THE PROJECT MANAGER OF ANY SCHEDULED ACCESS MODIFICATIONS AT LEAST 24 HOURS IN ADVANCE.
3. THE TRAFFIC CONTROL PERMIT ALONG WITH THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED TO THE CITY OF AZTEC AT LEAST 10 WORKING DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING. THE TRAFFIC CONTROL PLANS SHALL BE SUBMITTED ON 11X17 SHEETS. NO HAND DRAFTED TRAFFIC CONTROL PLANS WILL BE ACCEPTED.

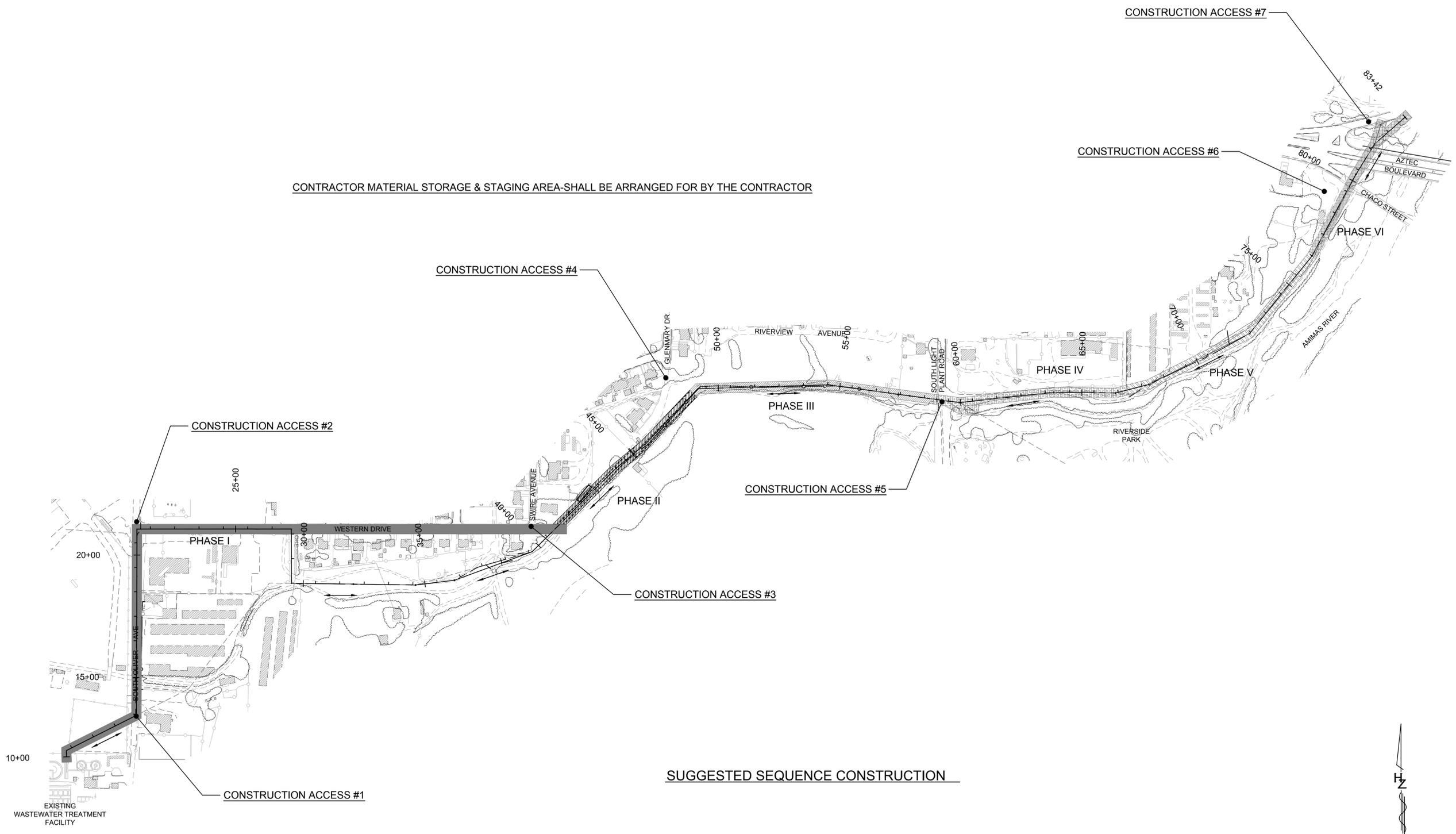
LEGEND

	PHASE 1
	PHASE 2
	PHASE 3
	PHASE 4
	PHASE 5
	PHASE 6
	WORK PROGRESSION

AZ 2016-549
NMED CWSRF 021



CONTRACTOR MATERIAL STORAGE & STAGING AREA-SHALL BE ARRANGED FOR BY THE CONTRACTOR



SUGGESTED SEQUENCE CONSTRUCTION

NO.	DESCRIPTION	DATE	BY
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 333 Rio Rancho Drive NE, Suite 101
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Designed For: **CITY OF AZTEC**

SUGGESTED SEQUENCING PLAN

SANITARY SEWER LINE
AZTEC, NEW MEXICO

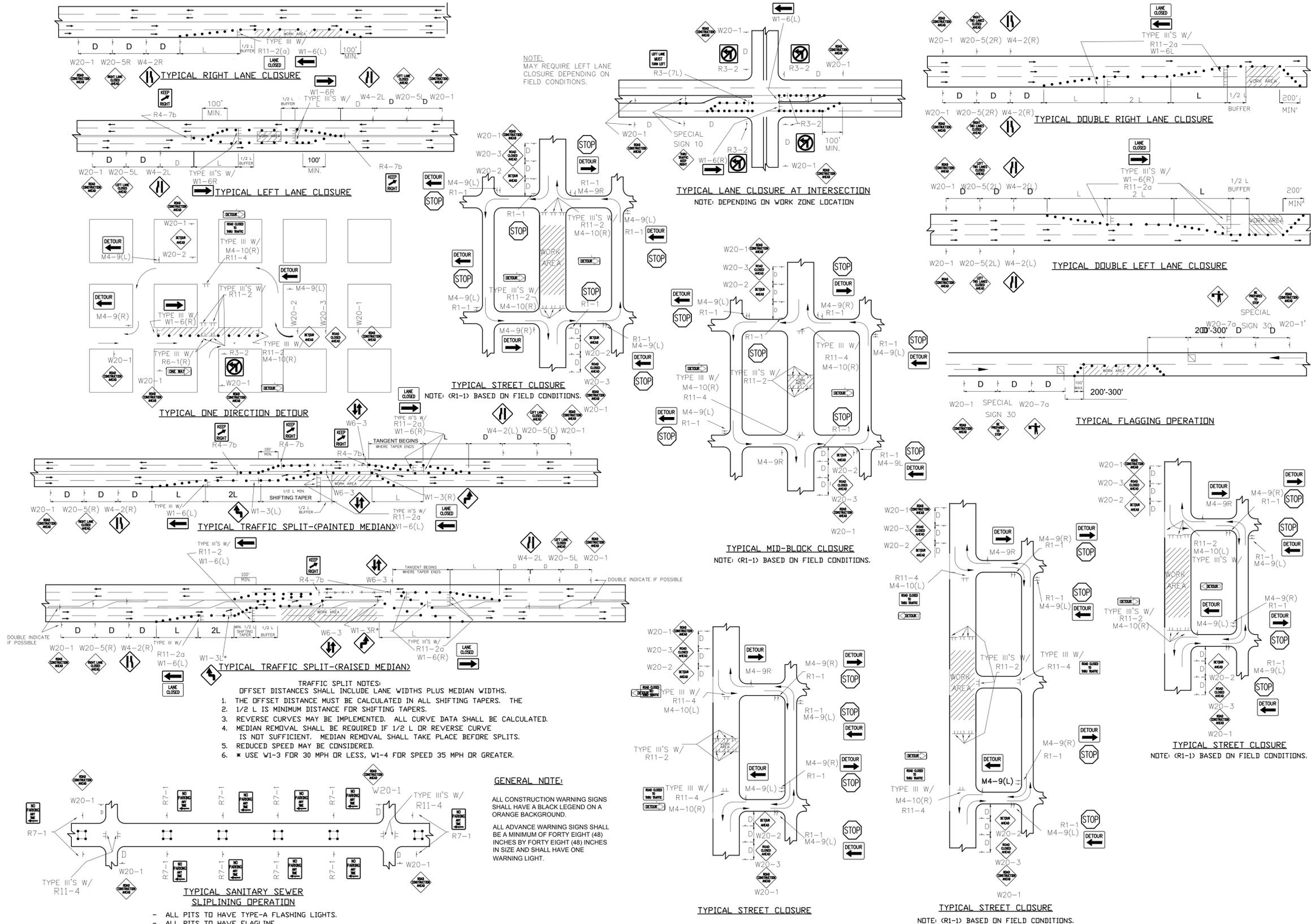


PROJECT NO. 17-0788-01
DESIGNED BY: SAE
DRAWN BY: LRT
CHECKED BY: SAE
DATE: MARCH, 9 2016
DPW CHK:

SHEET: **C601**

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NOTICE OF EXTENDED PAYMENT
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- TRAFFIC SPLIT NOTES:**
 OFFSET DISTANCES SHALL INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
 1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE 1/2 L IS MINIMUM DISTANCE FOR SHIFTING TAPERS.
 2. REVERSE CURVES MAY BE IMPLEMENTED. ALL CURVE DATA SHALL BE CALCULATED.
 3. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT SUFFICIENT. MEDIAN REMOVAL SHALL TAKE PLACE BEFORE SPLITS.
 4. REDUCED SPEED MAY BE CONSIDERED.
 5. * USE W1-3 FOR 30 MPH OR LESS, W1-4 FOR SPEED 35 MPH OR GREATER.

GENERAL NOTE:
 ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON AN ORANGE BACKGROUND.
 ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF FORTY EIGHT (48) INCHES BY FORTY EIGHT (48) INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.

TYPICAL SANITARY SEWER SLIPLINING OPERATION
 - ALL PITS TO HAVE TYPE-A FLASHING LIGHTS.
 - ALL PITS TO HAVE FLAGLINE.

NO.	DESCRIPTION	DATE	BY
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 Rio Rancho, New Mexico 87124
 Phone (505) 892-5141 Fax (505) 892-3259
 City of Aztec

TEMPORARY TRAFFIC CONTROL DETAILS
SANITARY SEWER LINE
AZTEC, NEW MEXICO

Professional Engineer Seal: **12856**
 Date: **3/9/16**

PROJECT NO. 17-0788-01
 DESIGNED BY: SAE
 DRAWN BY: LRT
 CHECKED BY: SAE
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 SHEET:

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