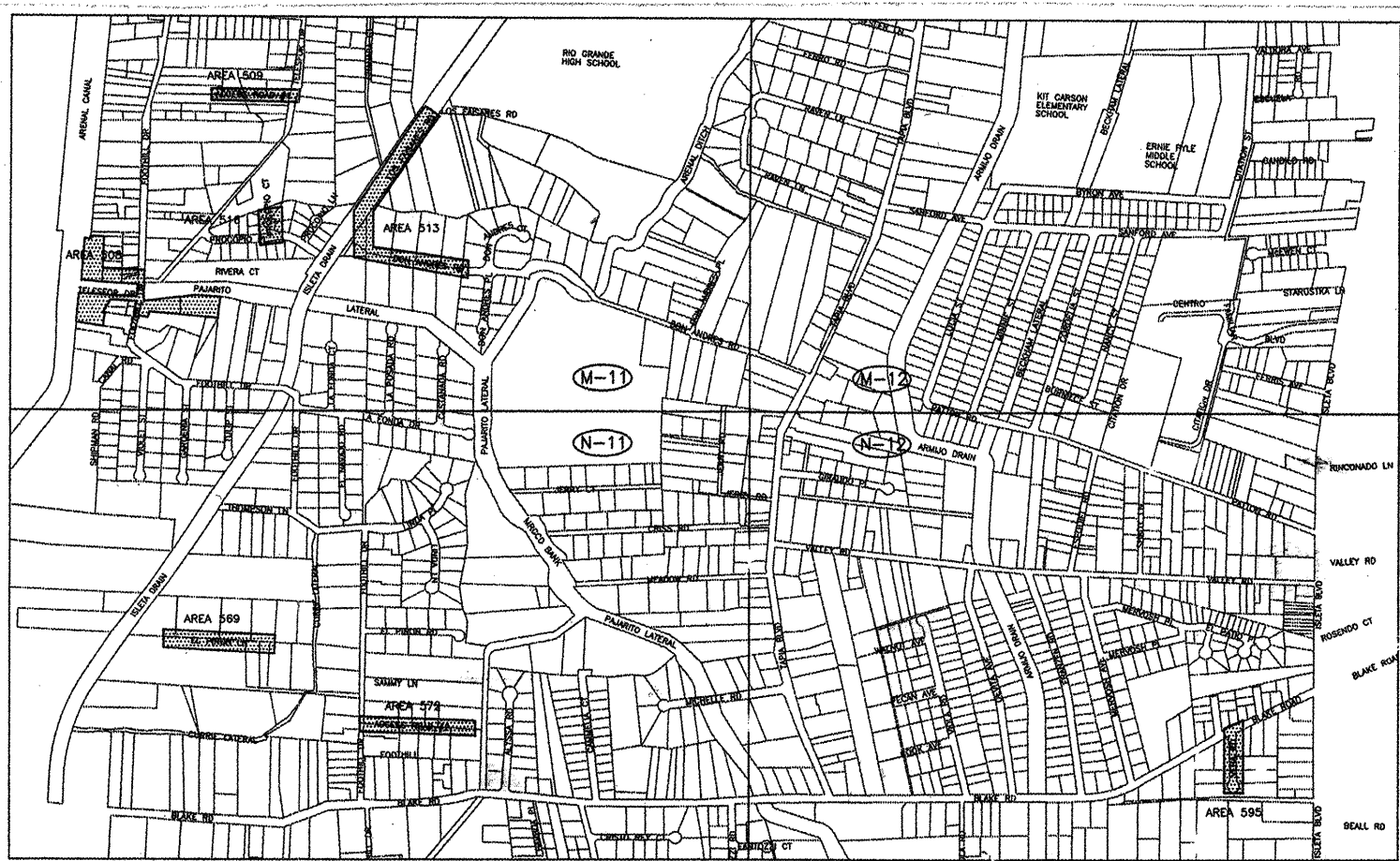


BERNALILLO COUNTY OF NEW MEXICO
PUBLIC WORKS DIVISION

CONSTRUCTION PLANS
FOR

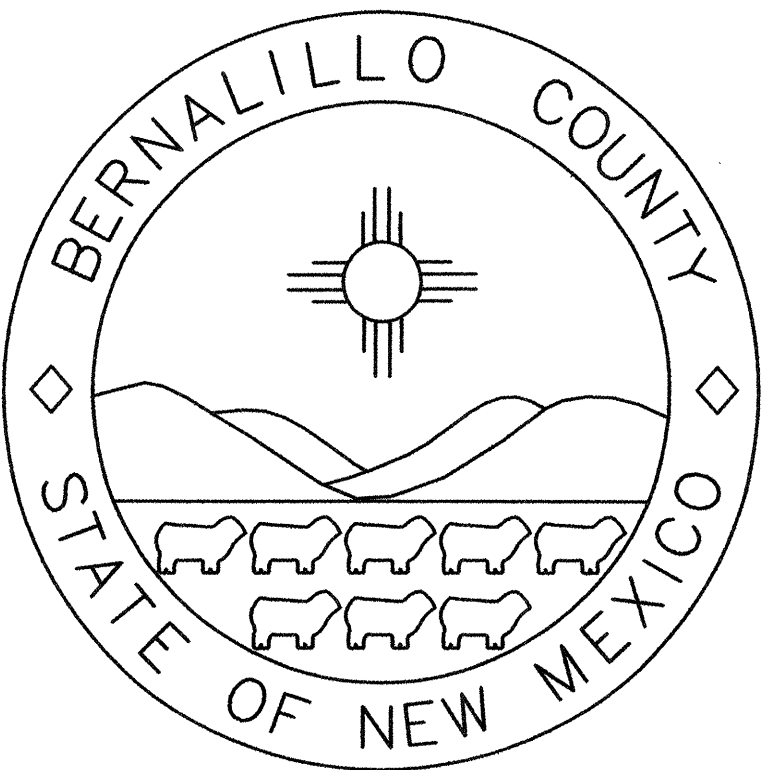
EL PIÑON/ VERA INFILL AREA SEWER,
WATER AND STREET IMPROVEMENTS

PROJECT NO. TS01-19 (SHEETS 1 THROUGH 14)



ZONE ATLAS MAPS:
M11, M12, N11 AND N12

BERNALILLO
COUNTY
PUBLIC WORKS

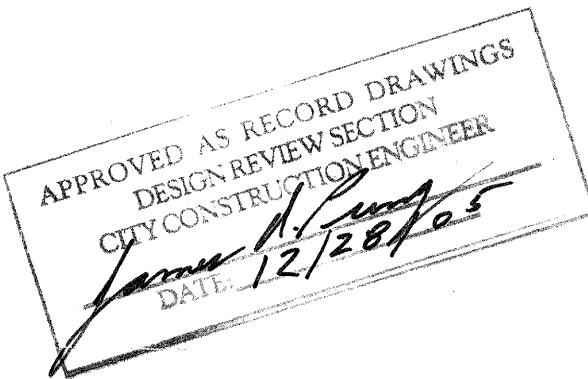


STATE
OF
NEW MEXICO

P.W.C.O. 40002

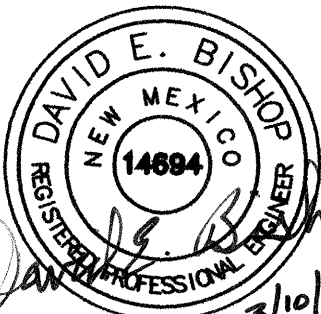
[Signature]
BERNALILLO COUNTY PUBLIC WORKS DIVISION

[Signature] 9/17/04
DATE



Certificate of Substantial Compliance for Inspection
I, *David E. Bishop* of B.C.P.W.D., a Licensed Professional Engineer in the State of New Mexico, do hereby certify, to the best of my knowledge and belief that the infrastructure installed as part of this project has been inspected by me or by a qualified person under my direct supervision and has been constructed in accordance with the plans and specifications approved by the City Engineer, except as noted on the as-built drawings.

Certificate of Substantial Compliance with Plans and Specifications
I, *David E. Bishop* of B.C.P.W.D., a Licensed Professional Engineer in the State of New Mexico, do hereby certify to the best of my knowledge and belief that the infrastructure installed as part of this project substantially complies with the plans and specifications approved by the City Engineer and that the original design intent of the approved plans has been met, except as noted by me or personnel under my direction on the as-built drawings. This certification is based on survey information provided by Stephen E. Walker, NMPS number 6401 and construction plan markups provided by Condore Construction Company.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT		DATE	USER DEPARTMENT		DATE
ENGINEERS STAMP & SIGNATURE			APPROVALS		ENGINEER		DATE	APPROVED FOR CONSTRUCTION	
			DRC Chairman			10-1-04		 12-09-04	
			Transportation	N/A					
			Water/Wastewater			3/10/04			
			Hydrology	N/A		10-1-04			
			Parks	N/A					
			Const. Coord.	N/A					
			Record Drawing						
PROJECT MANAGER			CITY PROJECT NO.		726081		SHEET OF		
			COUTY PROJECT NO.		TS01-19		1 14		

GENERAL NOTES:

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 INCLUDING UPDATES 1 THROUGH 7 (REFERRED TO HEREFTER AS THE STANDARD SPECIFICATIONS), THE LATEST VERSION OF THE BERNALILLO COUNTY PUBLIC WORKS STANDARDS, OR AS MODIFIED BY THE PROJECT SPECIFICATIONS, WHICHEVER IS MORE STRINGENT.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL EXERCISE CARE TO AVOID DISTURBING EXISTING UNDERGROUND UTILITIES. IT SHALL BE HIS RESPONSIBILITY TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION.
- 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/COUNTY ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- RELOCATION OF EXISTING UTILITIES AND THE INSTALLATION OF NEW UTILITY LINES WILL BE COMPLETED IN ADVANCE OF STARTING THE PAVEMENT WORK. TEMPORARY PAVEMENT WILL BE PLACED IN ALL TRENCHES REQUIRED FOR THE UTILITY REPLACEMENTS IN THOSE AREAS THAT MUST MAINTAIN TRAFFIC UNTIL THE PAVEMENT WORK STARTS IN EACH AREA. PAVEMENT REPLACEMENT MUST CONFORM TO PROJECT SPECIFICATION 01010 SECTION 1.2.8. TEMPORARY STRIPING SHALL BE THE CONTRACTOR'S RESPONSIBILITY. THIS WORK IS CONSIDERED INCIDENTAL TO THE PIPE LAYING PROCESS AND NO ADDITIONAL COMPENSATION WILL BE MADE.
- ALL EXCAVATED MATERIAL THAT IS NOT REQUIRED TO BE REUSED MUST BE REMOVED FROM THE PROJECT AREA WITHIN FOUR DAYS OF EXCAVATION. SPOIL PILES WILL BE ALLOWED ONLY AS APPROVED BY THE CITY/COUNTY ENGINEER.
- THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW (MILL) CUT EXISTING PAVEMENT TO A NEAT, STRAIGHT LINE, AS REQUIRED, TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING.
- CONTRACTOR IS RESPONSIBLE FOR REMOVAL AND DISPOSAL OF ALL DEMOLITION DEBRIS. SALVAGE OF ANY MATERIAL SHALL BE IDENTIFIED BY THE CITY/COUNTY ENGINEER. WORK MATERIALS SHALL BE DISPOSED OF IN COUNTY APPROVED WASTE AREAS SECURED BY AND AT THE EXPENSE OF THE CONTRACTOR.
- ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS SHALL BE MAINTAINED IN SERVICE. SHORING, SHEETING, AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS SHALL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES SHALL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE CITY/COUNTY ENGINEER WILL BE IMMEDIATELY NOTIFIED OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVING OR CURB AND GUTTER DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE SAME, USING COUNTY STANDARD DRAWING 2465, AT HIS OWN EXPENSE.
- ALL ABANDONED UTILITY LINES WHICH ARE EXPOSED AS A RESULT OF CONSTRUCTION SHALL BE REMOVED AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
- SPECIAL NOTICES:
 - HAND DELIVER SPECIAL NOTICES TO EACH RESIDENCE OR BUSINESS ADJACENT TO THE CONSTRUCTION AREA AND TO OTHERS WHICH MAY BE AFFECTED BY CONSTRUCTION ACTIVITIES. SPECIAL NOTICES ARE TO INFORM RESIDENTS AND BUSINESSES IN WRITING WHENEVER ACCESS, UTILITY SERVICES OR OTHER SERVICES TO THEIR PROPERTY MAY BE IMPAIRED.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR:
 - DELIVERY OF SPECIAL NOTICES NOT MORE THAN SEVEN (7) DAYS PRIOR TO PHYSICAL CONSTRUCTION THAT WILL AFFECT THE PROPERTY.
 - CORRECTED NOTICES ARE TO BE DELIVERED IF CONSTRUCTION DOES NOT START WITHIN 48 HOURS OF DATE GIVEN IN NOTICE.
 - THE WRITTEN NOTICE IS TO STATE:
 - CONTRACTOR'S NAME, ADDRESS AND LOCAL TELEPHONE NUMBER
 - NATURE OF WORK TO BE DONE AND TIMING OF WORK
 - TYPE AND LENGTH OF DISRUPTION TO EXPECT
 - EXPECTED DURATION OF CONSTRUCTION
 - CONTRACTOR'S LOCAL PHONE NUMBER TO WHICH EMERGENCY CONDITIONS CAN BE REPORTED DURING NORMAL WORKING HOURS
 - CONTRACTOR'S LOCAL PHONE NUMBER TO WHICH EMERGENCY CONDITIONS CAN BE REPORTED DURING NON-WORKING PERIODS.

- SURVEY MONUMENTS DISTURBED BY CONTRACTOR SHALL BE RESTORED AT CONTRACTOR'S EXPENSE.
- MINIMUM DENSITY FOR BACKFILL SHALL BE 95% ASTM D1557 FOR SUBGRADE AND 95% ASTM D1557 FOR BACKFILL. DENSITY TEST MINIMUM FREQUENCY SHALL BE AT 200 FT. INTERVALS FOR EACH LIFT.
- CONTRACTOR SHALL NOTIFY THE BERNALILLO COUNTY SHERIFF'S OFFICE AND THE FIRE MARSHALL'S OFFICE WHEN SCHEDULED WORK WILL IMPACT EMERGENCY VEHICLE ACCESS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY FOR CONSTRUCTION. PERMITS SHALL BE ACQUIRED A MINIMUM OF TWO WEEKS PRIOR TO CONSTRUCTION. CONTACT KEVIN GROVET, BERNALILLO COUNTY PUBLIC WORKS DEPARTMENT (848-1500) FOR INFORMATION.
- ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- CONTRACTOR SHALL MAINTAIN RESIDENTIAL DOMESTIC WATER SERVICE THROUGHOUT PROJECT.

M.R.G.C.D. GENERAL NOTES:

- ANY WORK TO BE PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH THE M.R.G.C.D. ENGINEERING DEPARTMENT AND APPROPRIATE FIELD OFFICE. PHONE: (505) 247-0234
- NO WORK IS TO BE DONE ON FACILITIES OR STRUCTURES BELONGING TO, OR OPERATED BY, THE M.R.G.C.D. BETWEEN MARCH 1 AND OCTOBER 31 INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY THE M.R.G.C.D. IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPERATIONS OF THE M.R.G.C.D. FACILITY. ALL WORK TO BE DONE WITHIN THE M.R.G.C.D. FACILITIES MUST BE APPROVED BY THE M.R.G.C.D. ENGINEER PRIOR TO COMMENCING WORK.
- THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS OR DEBRIS WITHIN DISTRICT RIGHT-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE M.R.G.C.D. FACILITY.
- THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN M.R.G.C.D. RIGHT-OF-WAY.
- SEEDING OF DISTURBED AREAS WITHIN THE M.R.G.C.D. RIGHTS OF WAY IS REQUIRED PER THE M.R.G.C.D. SEEDING SPECIFICATIONS.
- THE CONTRACTOR MUST MAINTAIN A MINIMUM COVER OF 3' OVER ALL CULVERT CROSSINGS USED FOR ACCESS TO THE PROJECT SITE.
- THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACEMENT OF ANY STRUCTURES REMOVED AND/OR DAMAGED DUE TO THE CONTRACTORS ACTIVITIES WITHIN THE DISTRICTS RIGHT-OF-WAY. SHOULD ANY TURNOUTS, CULVERT PIPES, AND/OR STRUCTURES REQUIRE REPLACEMENT DUE TO LEAKAGE AND/OR DAMAGE BY THE CONTRACTOR, NEW TURNOUTS, AND NEW CULVERT PIPES AND/OR NEW STRUCTURES SHALL REPLACE THE DAMAGED ITEM. REPAIRS AND/OR REPLACEMENTS WITHIN THE DISTRICTS RIGHT-OF-WAY MUST COMPLY WITH THE DISTRICTS SPECIFICATIONS.
- ALL DAMAGED CULVERT CROSSINGS AND CULVERT CROSSINGS REMOVED AND/OR DISTURBED MUST BE RESTORED AND/OR REPLACED TO THE SATISFACTION OF THE M.R.G.C.D. AND COMPLY WITH M.R.G.C.D. SPECIFICATIONS.
- ALL SALVAGEABLE CULVERTS, IRRIGATION GATES, ETC. MUST BE RETURNED TO M.R.G.C.D..
- THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A "SPECIAL USE LICENSE AGREEMENT" WITH THE M.R.G.C.D. PRIOR TO CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED TO THE CONTRACTOR FOR THIS "SPECIAL USE LICENSE AGREEMENT".
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) AT 247-0234 TO PROVIDE NOTICE OF THE SCHEDULE FOR CONSTRUCTION AT THE M.R.G.C.D. FACILITIES. ALL WORK TO BE PERFORMED IN THE M.R.G.C.D. RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH M.R.G.C.D. M.R.G.C.D. WILL REQUIRE THE CONTRACTOR TO SIGN A SPECIAL USE PERMIT AND PROVIDE A \$2,500 SECURITY DEPOSIT PRIOR TO WORKING IN M.R.G.C.D. R/W.
- REINFORCED CONCRETE PIPE CULVERT SHALL CONFORM TO ASTM DESIGNATION 076-72, CLASS III, WALL B, USING "O" RING GASKETED JOINTS.
- CORRUGATED METAL PIPE CULVERT SHALL CONFORM TO INTERIM FEDERAL SPECIFICATION WW-P-00405, CLASS I AND II, SHAPES 1,2, AND 3.
- CULVERT CROSSINGS SHALL BE SET AT AN ELEVATION PROVIDING A MAXIMUM BACK WATER EFFECT OF NOT MORE THAN 0.25' AS DETERMINED BY HYDRAULIC COMPUTATIONS.
- TRANSITIONS SHALL BE PROVIDED AT BOTH INLET AND OUTLET OF THE PIPE AS SHOWN ON THE DRAWINGS. TRANSITIONS MAY BE CONSTRUCTED OF CONCRETE OR GROUTED RIP-RAP.
- GROUTED RIP-RAP PROTECTION SHALL BE USED ADJACENT TO STRUCTURES IN EARTH-SURFACED WATERWAYS WHERE EROSION MAY OCCUR. RIP-RAP SHALL BE HARD, DENSE, AND DURABLE.
- ALL BACKFILL SHALL BE COMPACTED TO 90% OF THE MAXIMUM DRY DENSITY AS DETERMINED BY THE ASTM PROCTOR TEST, 95% FOR ROADWAYS.
- NO CULVERT INSTALLATIONS ARE PERMITTED DURING THE IRRIGATION SEASON (MARCH 1 TO NOVEMBER 1 INCLUSIVE).
- THE LICENSEE SHALL CLEAN AND REMOVE ALL SILT AND DEBRIS WITHIN THE CULVERT CROSSING ON AN ANNUAL BASIS PRIOR TO MARCH 1st AND THEREAFTER.
- THE LICENSEE SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE CULVERT CROSSING AND ALL ACCESSORIES ON THE CULVERT CROSSING.
- THE LICENSEE SHALL BE RESPONSIBLE FOR THE CONTROL OF VEGETATION ON AND AROUND THE CULVERT CROSSING.
- PRIOR TO ANY CONSTRUCTION WITHIN M.R.G.C.D. THE CONTRACTOR MUST SIGN A SPECIAL USE PERMIT AND PAY M.R.G.C.D. AN ASSOCIATED REFUNDABLE SECURITY DEPOSIT TO ENSURE PERFORMANCE.

USEPA GENERAL NOTES:

- IF ANY THREATENED OR ENDANGERED SPECIES OR THEIR HABITATS ARE DISCOVERED DURING CONSTRUCTION, WORK WILL CEASE IMMEDIATELY AND THE EPA WILL BE NOTIFIED IN ORDER THAT APPROPRIATE MEASURES CAN BE TAKEN IN ACCORDANCE WITH THE ENDANGERED SPECIES ACT.
- CONSTRUCTION MATERIAL AND WASTE PRODUCTS, INCLUDING MACHINERY LEAKAGE, MAINTENANCE MATERIAL AND SPILLS, WILL BE CONTAINED AND PROPERLY DISPOSED PRIOR TO PROJECT COMPLETION.
- IF HUMAN REMAINS ARE ENCOUNTERED DURING CONSTRUCTION, APPROPRIATE LAW ENFORCEMENT AUTHORITIES AND THE OFFICE OF THE MEDICAL EXAMINER WILL BE CONTACTED.
- IF CULTURAL MATERIALS ARE DISCOVERED DURING CONSTRUCTION, WORK WILL CEASE IMMEDIATELY AND EPA AND THE NEW MEXICO STATE HISTORIC PRESERVATION OFFICER WILL BE NOTIFIED OF THE DISCOVERY. EPA WILL PROCEED IN ACCORDANCE WITH THE REGULATIONS OF THE ADVISORY COUNCIL ON HISTORIC PRESERVATION PRIOR TO TAKING ANY ACTION WHICH WOULD AFFECT THE CULTURAL RESOURCES.

EFFECTIVE JULY 1, 2003, THE ALBUQUERQUE-BERNALILLO WATER UTILITY AUTHORITY WAS ESTABLISHED AS A JOINT CITY OF ALBUQUERQUE-BERNALILLO COUNTY AGENCY TO ADMINISTER THE WATER AND WASTEWATER UTILITIES CURRENTLY OWNED AND OPERATED BY THE CITY OF ALBUQUERQUE. THIS PROJECT WILL BE CONSTRUCTED DURING THE TRANSITION PERIOD WHILE THE CITY IS TO TRANSFER ALL FUNCTIONS, APPROPRIATIONS, MONEY, RECORDS, EQUIPMENT, AND OTHER REAL AND PERSONAL PROPERTY TO THE AUTHORITY. AT THE TIME THAT THESE PLANS WERE PREPARED, THE SPECIFIC DETAILS OF THE TRANSITION WERE NOT AVAILABLE TO THE ENGINEER OR OWNER. REFERENCES TO THE CITY OF ALBUQUERQUE IN THESE PLANS OR IN THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE #2, MAY BE AFFECTED. AS SUCH THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ALL NECESSARY ACTIVITIES WITH THE PROJECT ENGINEER AND THE ALBUQUERQUE-BERNALILLO WATER UTILITY AUTHORITY DURING THE CONSTRUCTION CONTRACT PERIOD, IF NECESSARY.

DRAWING INDEX

PAGE NO.	PAGE NAME	PAGE NO.	PAGE NAME
1	COVER SHEET	8	AREA 516 - PROCOPIO COURT
2	CONSTRUCTION NOTES, LEGEND & INDEX OF DRAWINGS	9	AREA 569 - EL PINON LANE
3	OVERALL SITE MAP	10	AREA 572 - ACCESS ROAD #2
4	AREA 508 - FOOTHILL DRIVE	11	AREA 595 - VERA ROAD
5	AREA 509 - ACCESS ROAD #1	12	UTILITY DETAILS
6	AREA 513 - DON ANDRES ROAD (PART A)	13	TRAFFIC CONTROL NOTES
7	AREA 513 - DON ANDRES ROAD (PART B)	14	TYPICAL TRAFFIC CONTROL AND SIGNING

MASTER LEGEND:

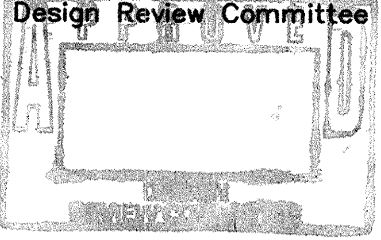
	EXISTING:	NEW:
Property line	-----	=====
Building	_____	=====
Edge of pavement	-----	=====
Curb & gutter	=====	=====
Pavement striping	-----	=====
Fence	---x---x---	---x---x---x---
CMU or block wall	=====	=====
Existing easement	-----	-----
Underground electric line	-----EUG-----	-----EUG-----
Overhead electric line	-----EOH-----	-----EOH-----
Water line	-----W-----	-----W-----
Sanitary sewer line	-----SAS-----	-----SAS-----
Storm drain line	-----SD-----	-----SD-----
Index contours	---25---	---25---
Intermediate contours	---24---	---24---
Power pole	○	●
Light pole	⦿	●
Water valve	⋈	⋈
Fire hydrant	⦿	●
Water meter	⦿	●
Sanitary sewer manhole	○	●
Sanitary sewer single cleanout	○	●
Sanitary sewer double cleanout	○○	●●

WATER CONNECTION NOTE:

FOR HOMES ON WELL SWITCHING TO CITY WATER:
- WELL SUPPLY LINE TO RESIDENCE MUST BE CUT AND CAPPED BEFORE CONNECTING TO CITY SERVICE.

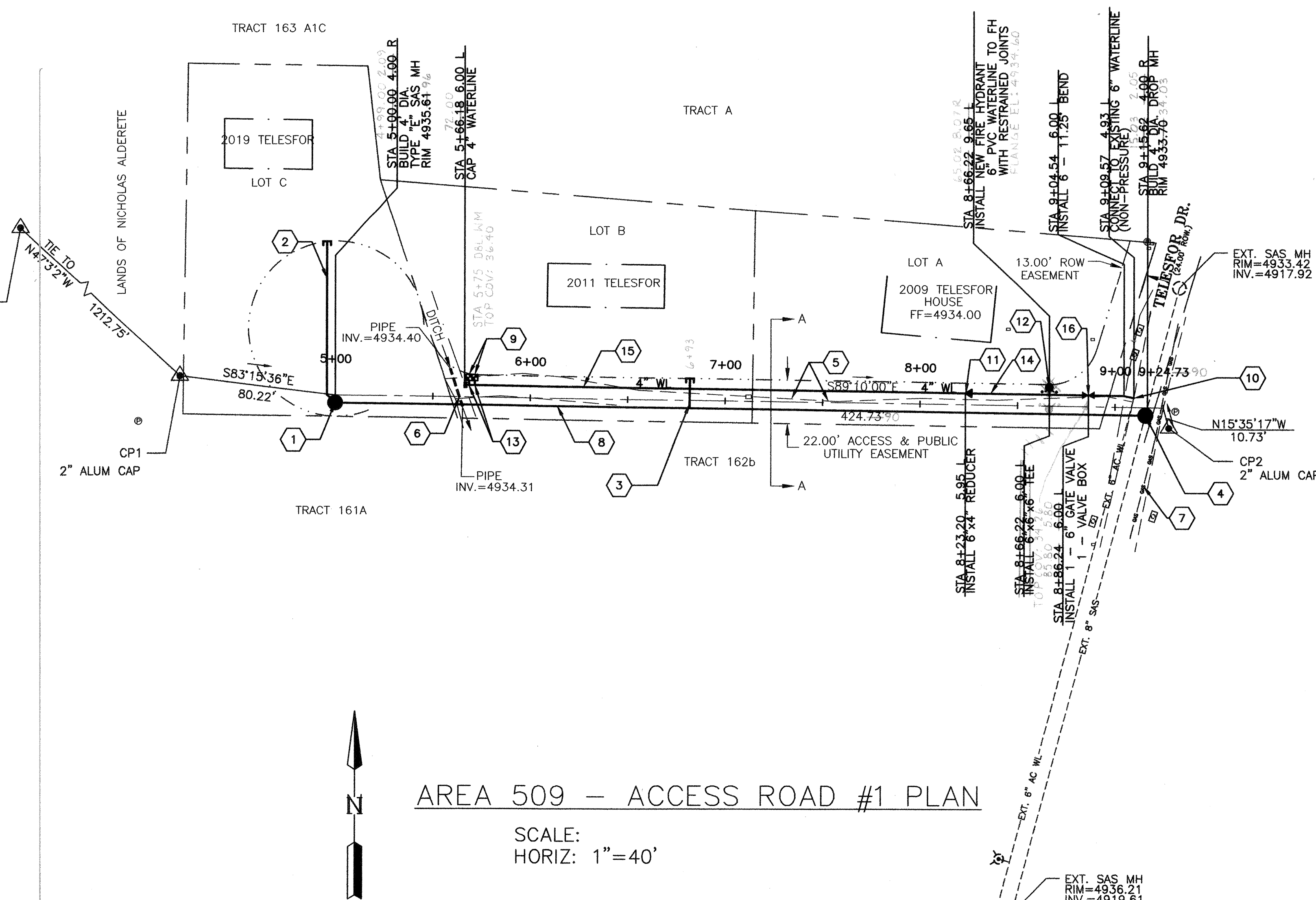
ABBREVIATIONS:

Invert
Rim
Estimated Ground Water Surface

			
TITLE: EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS CONSTRUCTION NOTES, LEGEND & INDEX OF DRAWINGS			
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.
			
City Project No.	726081	Zone Map No.	Sheet 2 Of 14
County Project No.	TS01-19		

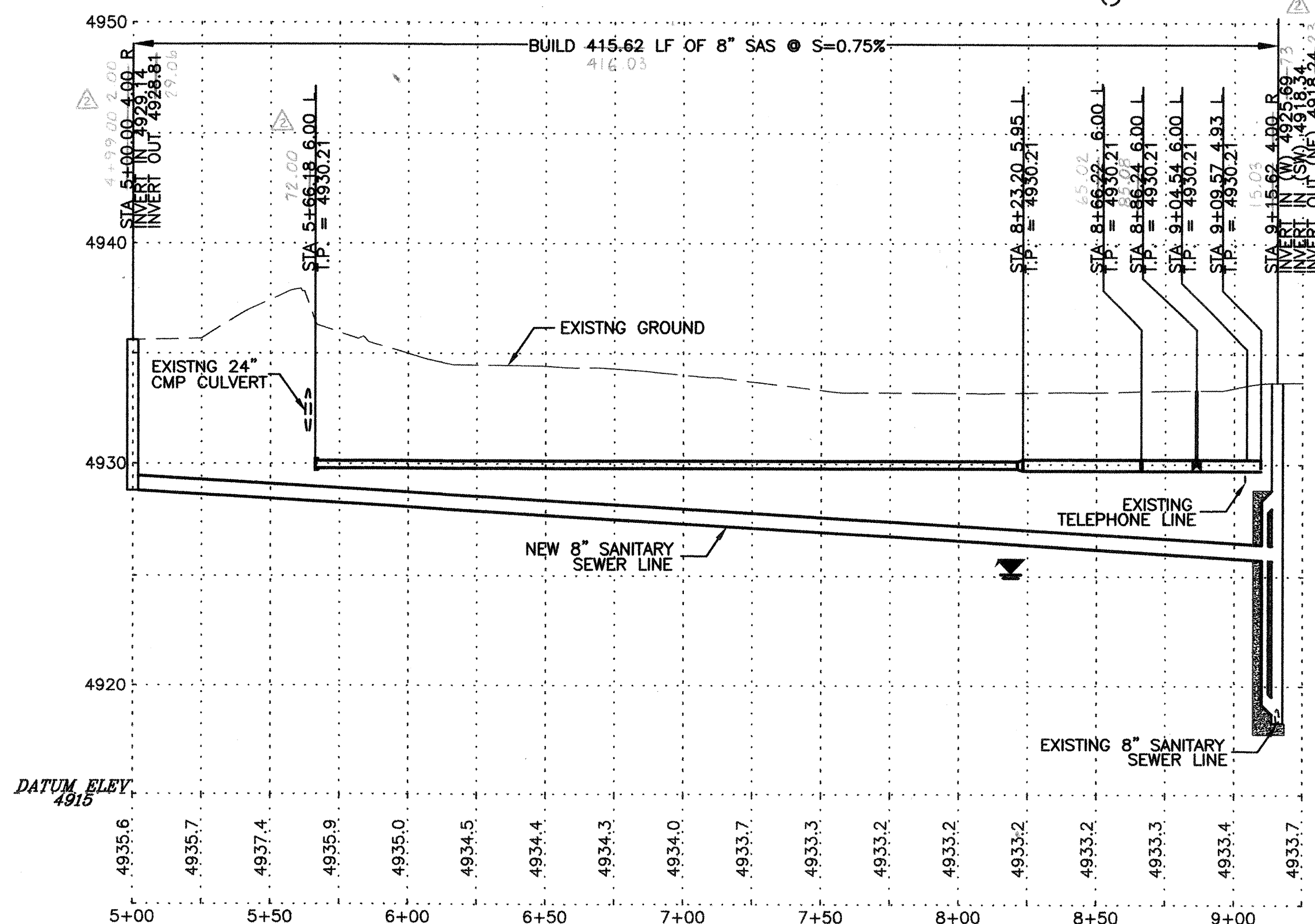


ACS MONUMENT "8-M11"
LOCAL COORDINATE SYSTEM
X = 70,063.634
Y = 68,708.078--NAD 1927
EL. = 4959.932--NGVD 1929



AREA 509 - ACCESS ROAD #1 PLAN

SCALE:
HORIZ: 1"=40'



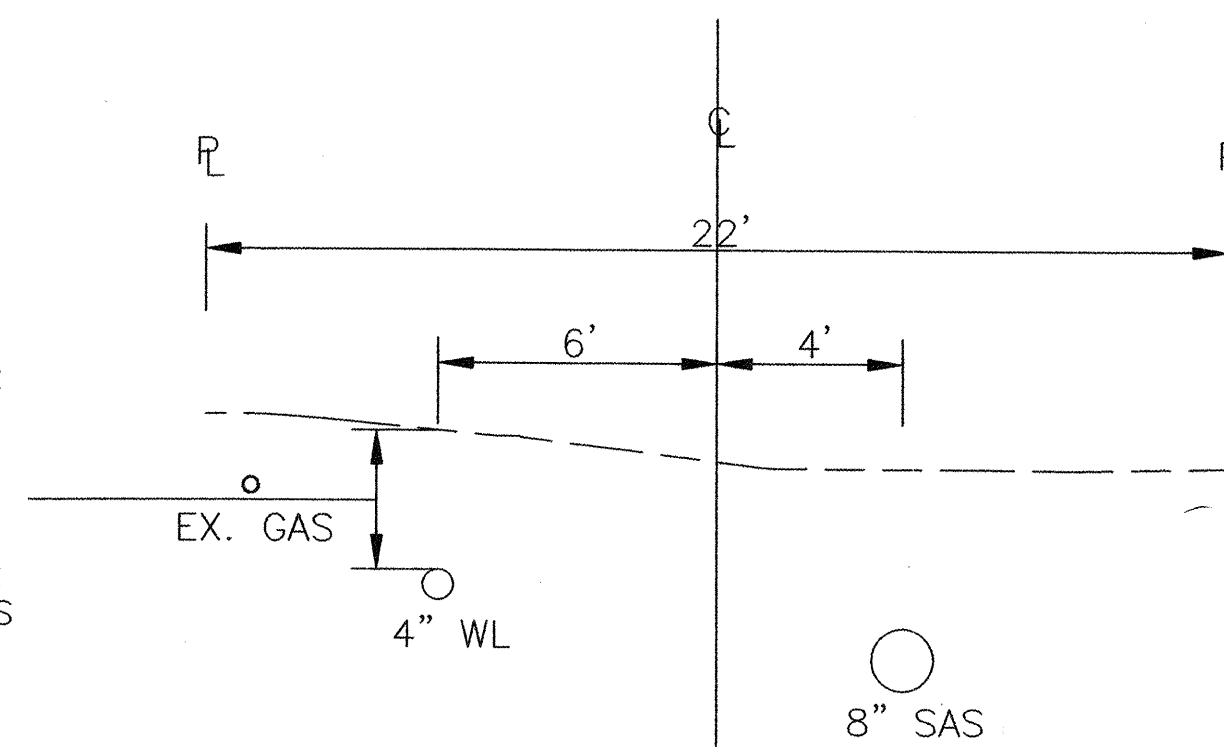
AREA 509 - ACCESS ROAD #1 PROFILE

SCALE:
HORIZ: 1"=40'
VERT: 1"=5'

CONSTRUCTION NOTES

1. CONSTRUCT NEW 4" DIAMETER MANHOLE PER C.O.A. STD. DWG. 2101.
2. NEW 4" SANITARY SEWER SERVICE LINE PER C.O.A. STD. DWG. 2118. INSTALL SEWER LINE WITH A SLOPE = 1.0%.
3. NEW 4" SANITARY SEWER SERVICE LINE PER C.O.A. STD. DWG. 2125. INSTALL SEWER LINE WITH A SLOPE = 1.5%.
4. CONSTRUCT NEW 4" DIAMETER DROP MANHOLE PER C.O.A. STD. DWG. 2116.
5. REMOVE AND REPLACE GRAVEL ROADWAY.
6. CONTRACTOR SHALL USE OPEN TRENCH CONSTRUCTION FOR SANITARY SEWER LINE ACROSS PRIVATE DITCH. REMOVE AND REINSTALL EXISTING 24" CMP CULVERT.
7. IF REQUIRED, CONTRACTOR SHALL COORDINATE GAS LINE RELOCATION WITH PNM. THIS WORK SHALL BE PAID FOR UNDER BID ITEM FOR "UTILITY RELOCATION ALLOWANCE."
8. INSTALL 8" SANITARY SEWER LINE.
9. INSTALL HEAVY WEIGHT BOX AND COVER AND LID PER C.O.A. STD. DWG. 2369. METER BOX SHALL BE TRAFFIC RATED.
10. INSTALL 6"x6"x6" TEE AND 2 - TRANSITION COUPLINGS WITH JOINT RESTRAINTS.
11. INSTALL 6"x4" REDUCER WITH JOINT RESTRAINTS.
12. INSTALL FIRE HYDRANT PER C.O.A. STD. DWG. 2340 AND BOLLARDS PER DETAIL ON SHEET 12.
13. CONNECT 3/4" WATER SERVICE LINE TO 4" WATERLINE PER C.O.A. STD. DWG. 2362. COPPERSSETTERS SHALL INCLUDE A DUAL CHECK VALVE. SERVICES WILL NOT BE ACCEPTED WITHOUT CHECK VALVE.
14. INSTALL 6" WATERLINE.
15. INSTALL 4" WATERLINE.
16. INSTALL 6" GATE VALVE AND VALVE BOX PER C.O.A. STD. DWG. 2326 WITH RESTRAINED JOINTS.

MIN. 3' BURY FOR
PAVED SURFACES
OR
MIN. 4' BURY FOR
UNPAVED SURFACES



CONTROL POINT DATA TABLE (GROUND COORDINATES)				
POINT NAME	COUNTY PROJ. #	NORTHING	EASTING	ELEVATION
AEC CP1	516	66,922.446	71,282.821	4934.097
AEC CP2	516	67,055.579	71,269.879	4934.439

MONUMENT DATA TABLE		
CITY MONUMENT	NORTHING	EASTING
8-M11	68,708.078	70,063.634

- 1- ALL CONTROL POINTS ARE 2" ALUM CAP STAMPED AEC CP 1 OR 2.
- 2- COORDINATES ARE IN THE WGS 1984/NAD27 DATUM AND ELEVATIONS ARE IN THE NGVD29 DATUM.

SANITARY SEWER SERVICES				
LEGAL DESCRIPTION	ADDRESS	SAS STATION AND OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
LOT B; LANDS OF DIMAS	2011 Telesfor	4+9316+80, 0.00'	15.0'	4929.00
LOT C; LANDS OF DIMAS	2019 Telesfor	5+00, 0.00'	79.0'	4931.54

		BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES	
TITLE: EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS AREA 509 - ACCESS ROAD #1			
Design/Review/Committee:	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
		Last Design Update	
City Project No.	726081	Zone Map No.	M11
County Project No.	TS01-19	Sheet	5 of 14



SANITARY SEWER SERVICES						
LEGAL DESCRIPTION	ADDRESS	SAS STATION AND OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG	ELEVATION AT RISER	
LOT 2 OF LANDS OF ROSA STEELE	2325 Don Andres	54+39.00, 2.33' R	20.0'	4928.50	4928.10	
LOT 2 OF LANDS OF AL STEELE	2324 Don Andres	54+50.00, 2.10' R	22.0'	4928.50	4928.06	
LOT 3 OF LANDS OF ROSA STEELE	2408 Don Andres	54+74+00.00, 1.31' L	18.0'	4928.30	4927.94	
LOT 3 OF LANDS OF AL STEELE	2326 Don Andres	54+74+25.00, 2.10' L	25.5'	4928.10	4927.59	
LOT 4 OF LANDS OF ROSA STEELE	2403 Don Andres	54+94+00.00, 6.23' L	32.0'	4928.30	4927.66	
MRGCD MAP 43 TRT 169 C	2501 Procopio Place	94+43.43, 7.23' L	20.0'	4928.30	4927.90	
LOT 18 TRT A PROCOPIO ARMIJO ADD.	2424 Los Faisanes	94+43.43, 7.23' L	10.0'	4928.32	4927.90	
LOT 17 TRT A PROCOPIO ARMIJO ADD.	2430 Los Faisanes	94+00+83.00, 2.04' L	10.5'	4927.50	4927.29	
LOT 4 OF LANDS OF AL STEELE	2332 Don Andres	114+03.00, 2.04' L	15.0'	4927.50	4927.20	

- CONSTRUCTION NOTES

- 1 INSTALL HEAVY WEIGHT BOX COVER AND LID
PER C.O.A. STD. DWG. 2369. METER BOX
SHALL BE TRAFFIC RATED.
- 2 INSTALL FIRE HYDRANT PER C.O.A. STD.
DWG. 2340 WITH BOLLARDS PER DETAIL
ON SHEET 12.
- 3 REMOVE CAP AND CONNECT TO EXISTING
6" WATERLINE (NON-PRESSURE).
- 4 3/4" SERVICE LINE PER C.O.A. STD. DWG.
2362. COPPERSETTERS SHALL INCLUDE A
DUAL CHECK VALVE. SERVICES WILL NOT BE
ACCEPTED WITHOUT CHECK VALVE.
- 5 EDGE OF EXISTING ASPHALT.
- 6 CONSTRUCT NEW MANHOLE PER C.O.A.
STD. DWG. 2101.
- 7 NEW 4" SANITARY SEWER SERVICE LINE
PER C.O.A. STD. DWG. 2135.
- 8 CONSTRUCT NEW MANHOLE WITH SERVICE
LINE CONNECTION PER C.O.A. STD. DWGS.
2101 AND 2118.
- 9 INSTALL 6" GATE VALVE AND VALVE BOX PER
C.O.A. STD. DWGS. 2326 AND 2328 WITH
RESTRAINED JOINTS.
- 10 INSTALL 6"x6"x6" TEE WITH RESTRAINED
JOINTS.
- 11 ABANDON MANHOLE IN PLACE PER STANDARD
SPECIFICATION SECTION 920.6. ABANDONMENT
SHALL TAKE PLACE AFTER EXISTING SERVICES
ARE TRANSFERRED TO NEW SEWER LINE.
- 12 TRANSFER EXISTING SEWER SERVICE TO NEW
SEWER SERVICE LINE AFTER SEWER LINE HAS
BEEN TESTED AND ACCEPTED BY CITY, AND
BEFORE ABANDONMENT OF EXISTING SEWER
LINE. COORDINATE WORK WITH PROPERTY
OWNERS.
- 13 ABANDONED SEWER LINE SHALL BE REMOVED
OR FILLED WITH LEAN FILL PER C.O.A.
SPECIFICATION SECTION 207.
- 14 REMOVE ABANDONED LINE WITHIN PUBLIC
EASEMENT.

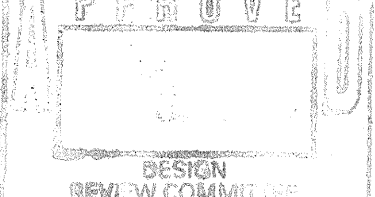
WATER SHUT-OFF PLAN

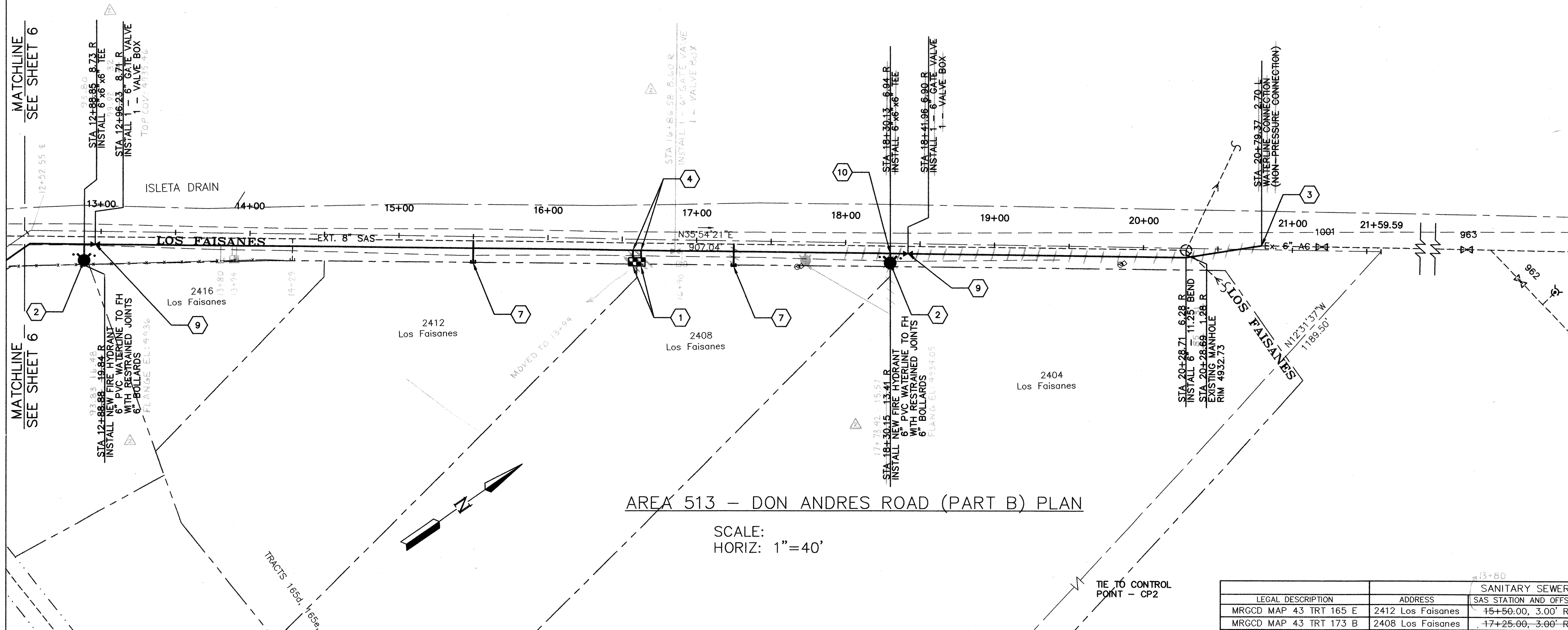
- 1 THE WATER SYSTEMS DIVISION (857-8200)
WILL BE NOTIFIED BY THE CONTRACTOR
SEVEN (7) WORKING DAYS IN ADVANCE
OF ANY WORK WHICH MAY AFFECT THE
EXISTING PUBLIC WATER FACILITIES.
REFER TO SECTION 18 OF STANDARD
SPECIFICATIONS.
- 2 ONLY CITY WATER SYSTEMS DIVISION
EMPLOYEES MAY OPERATE VALVES.
- 3 BUILD WATERLINE AND FIRE HYDRANTS
AS SHOWN, PRESSURE TEST AND
DISINFECT WATERLINE PER SPECIFICATIONS.
- 4 CLOSE VALVES 1111, 1112 AND 1121
IN DON ANDRES AND VALVE 1001
IN LOS FAISANES AND CONNECT TO
EXISTING WATER FACILITIES.
- 5 OPEN ALL VALVES.

CONTROL POINT DATA TABLE (GROUND COORDINATES)				
POINT NAME	COUNTY PROJ #	NORTHING	EASTING	ELEVATION
AEC CP1	513	66,802.733	71,946.319	4933.497
AEC CP2	513	66,710.183	72,728.055	4934.176

MONUMENT DATA TABLE			
CITY MONUMENT	NORTHING	EASTING	ELEVATION
17-L12	73,647.267	77,731.490	4942.877

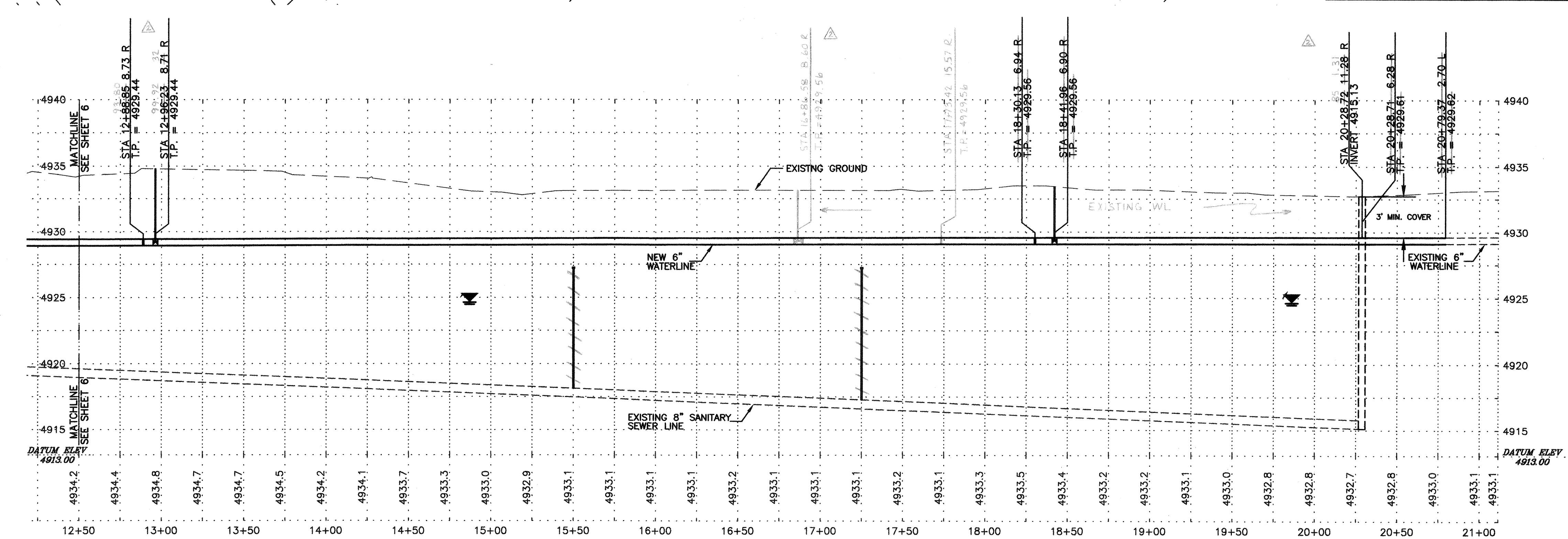
1- ALL CONTROL POINTS ARE 2" ALUM CAP STAMPED P.S. #9801.
2- COORDINATES ARE IN THE WGS 1984/NAD27 DATUM AND
ELEVATIONS ARE IN THE NGVD29 DATUM.

		BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES															
TITLE:		EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS AREA 513 – DON ANDRES ROAD (PART A)															
Design Review Committee		City Engineer Approval		Last Design Update													
				<table border="1"> <thead> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		Mo./Day/Yr.	Mo./Day/Yr.										
Mo./Day/Yr.	Mo./Day/Yr.																
City Project No. 726081 County Project No. TS01-19		Zone Map No. M11		Sheet 6 Of 14													



AREA 513 - DON ANDRES ROAD (PART B) PLAN

SCALE:
HORIZ: 1"=40'



AREA 513 - DON ANDRES ROAD (PART B) PROFILE

SCALE:
HORIZ: 1"=40'
VERT: 1"=5'

- CONSTRUCTION NOTES**
1. INSTALL HEAVY WEIGHT BOX COVER AND LID PER C.O.A. STD. DWG. 2369. METER BOX SHALL BE TRAFFIC RATED.
 2. INSTALL FIRE HYDRANT PER C.O.A. STD. DWG. 2340 WITH BOLLARDS PER DETAIL ON SHEET 12.
 3. REMOVE CAP AND CONNECT TO EXISTING 6" WATERLINE (NON-PRESSURE).
 4. 3/4" SERVICE LINE PER C.O.A. STD. DWG. 2362. COPPERSETTERS SHALL INCLUDE A DUAL CHECK VALVE. SERVICES WILL NOT BE ACCEPTED WITHOUT CHECK VALVE.
 7. NEW 4" SANITARY SEWER SERVICE LINE PER C.O.A. STD. DWG. 2135.
 9. INSTALL 6" GATE VALVE AND VALVE BOX PER C.O.A. STD. DWGS. 2326 AND 2328 WITH RESTRAINED JOINTS.
 10. INSTALL 6"x6"x6" TEE WITH RESTRAINED JOINTS.

LEGAL DESCRIPTION		SANITARY SEWER SERVICES			
ADDRESS		SAS STATION AND OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG	ELEVATION AT RISER
MRGCD MAP 43 TRT 165 E		2412 Los Faisanes	15+50.00, 3.00' R	16.0'	4927.00
MRGCD MAP 43 TRT 173 B		2408 Los Faisanes	17+25.00, 3.00' R	16.0'	4927.00

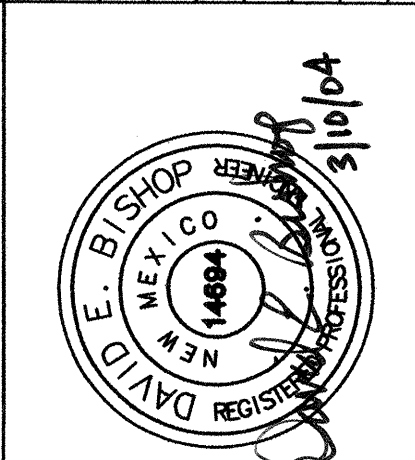
CONTROL POINT DATA TABLE (GROUND COORDINATES)				
POINT NAME	COUNTY PROJ. #	NORTHING	EASTING	ELEVATION
AEC CP1	513	66,802.733	71,946.319	4933.497
AEC CP2	513	66,710.183	72,728.055	4934.176

MONUMENT DATA TABLE			
CITY MONUMENT	NORTHING	EASTING	ELEVATION
17-L12	73,647.267	77,731.490	4942.877

1- ALL CONTROL POINTS ARE 2" ALUM CAP STAMPED P.S. #9801.
2- COORDINATES ARE IN THE WGS 1984/NAD27 DATUM AND ELEVATIONS ARE IN THE NGVD29 DATUM.

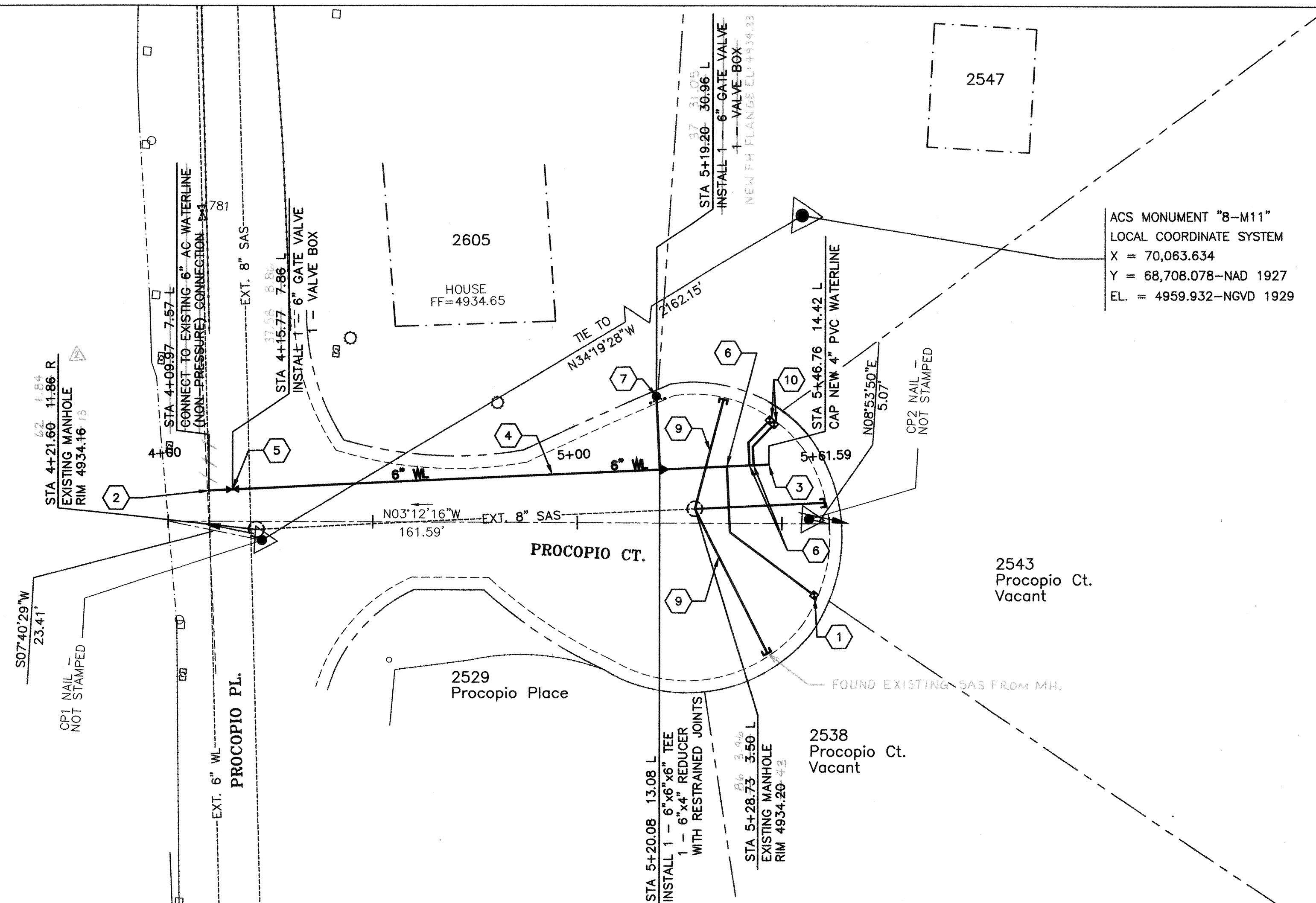
		BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES	
TITLE: EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS AREA 513 - DON ANDRES ROAD (PART B)			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	726081	Zone Map No.	M11
County Project No.	TS01-19	Sheet	7 Of 14

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
FIELD NOTES		THE STATION MARK IS AN AOS		CONTRACTOR: CONDORRE, CONST.	
NO.	DATE	BY	DATE	NO.	DATE
4401	STEPHEN E. WALKER R. E. 11/17/12, 1987	FLUSH WITH THE CURB. THE SETTING IS LOCATED 2.4 MILES SOUTHWEST OF DOWNTOWN ALBUQUERQUE.		WORK BY WALKER SURVEY DATE	
				APPROVED BY BCPMD DATE 6/10/05	
				VERIFICATION BY BCPMD DATE 6/10/05	
				RECORDED BY BCPMD DATE 6/10/05	
				RECORDED BY DATE	
				NO.	
				ELEVATION	4942.877



AREA 516 - PROCOPIO COURT PLAN

SCALE:
HORIZ: 1"=20'



CONSTRUCTION NOTES

1. INSTALL HEAVY WEIGHT BOX COVER AND LID PER C.O.A. STD. DWG. 2369. METER BOXES SHALL BE TRAFFIC RATED.
2. INSTALL 6"x6"x6" TEE AND 2 - TRANSITION COUPLINGS WITH RESTRAINED JOINTS.
3. CAP END OF 4" WATERLINE.
4. INSTALL NEW 6" WATERLINE.
5. INSTALL 6" GATE VALVE AND VALVE BOX PER C.O.A. STD. DWG. 2326 AND 2328 WITH RESTRAINED JOINTS.
6. CONNECT 3/4" WATER SERVICE LINE TO NEW 4" PVC WATERLINE PER C.O.A. STD. DWG. 2362. COPPERSETTERS SHALL INCLUDE A DUAL CHECK VALVE. SERVICES WILL NOT BE ACCEPTED WITHOUT CHECK VALVE.
7. INSTALL NEW FIRE HYDRANT PER C.O.A. STD. DWG. 2340 WITH BOLLARDS PER DETAIL ON SHEET 12.
8. INSTALL NEW 4" WATERLINE.
9. MANHOLE SERVICE - DRILL INTO MANHOLE AND CONNECT 4" PVC SEWER SERVICE LINE. CONSTRUCT SERVICE AS SHOWN IN C.O.A. STD. DWG. 2118.
10. INSTALL DOUBLE METER SERVICE WITH HEAVYWEIGHT BOX COVER AND LID PER C.O.A. STD. DWG. 2369. METER BOX SHALL BE TRAFFIC RATED.
11. INSTALL 6"x6"x6" TEE AND 6"x4" REDUCER WITH RESTRAINED JOINTS.

WATER SHUT-OFF PLAN

1. THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF STANDARD SPECIFICATIONS.
2. ONLY CITY WATER SYSTEMS DIVISION EMPLOYEES MAY OPERATE VALVES.
3. BUILD WATERLINE AND FIRE HYDRANTS AS SHOWN, PRESSURE TEST AND DISINFECT WATERLINE PER SPECIFICATIONS.
4. CLOSE VALVE 781 IN PROCOPIO PLACE AND CONNECT TO EXISTING WATER FACILITIES.
5. OPEN ALL VALVES.

CONTROL POINT DATA TABLE (GROUND COORDINATES)				
POINT NAME	COUNTY PROJ #	NORTHING	EASTING	ELEVATION
AEC CP1	516	66,922.446	71,282.821	4934.097
AEC CP2	516	67,055.579	71,269.879	4934.439

MONUMENT DATA TABLE			
CITY MONUMENT	NORTHING	EASTING	ELEVATION
17-L12	73,647.267	77,731.490	4942.877

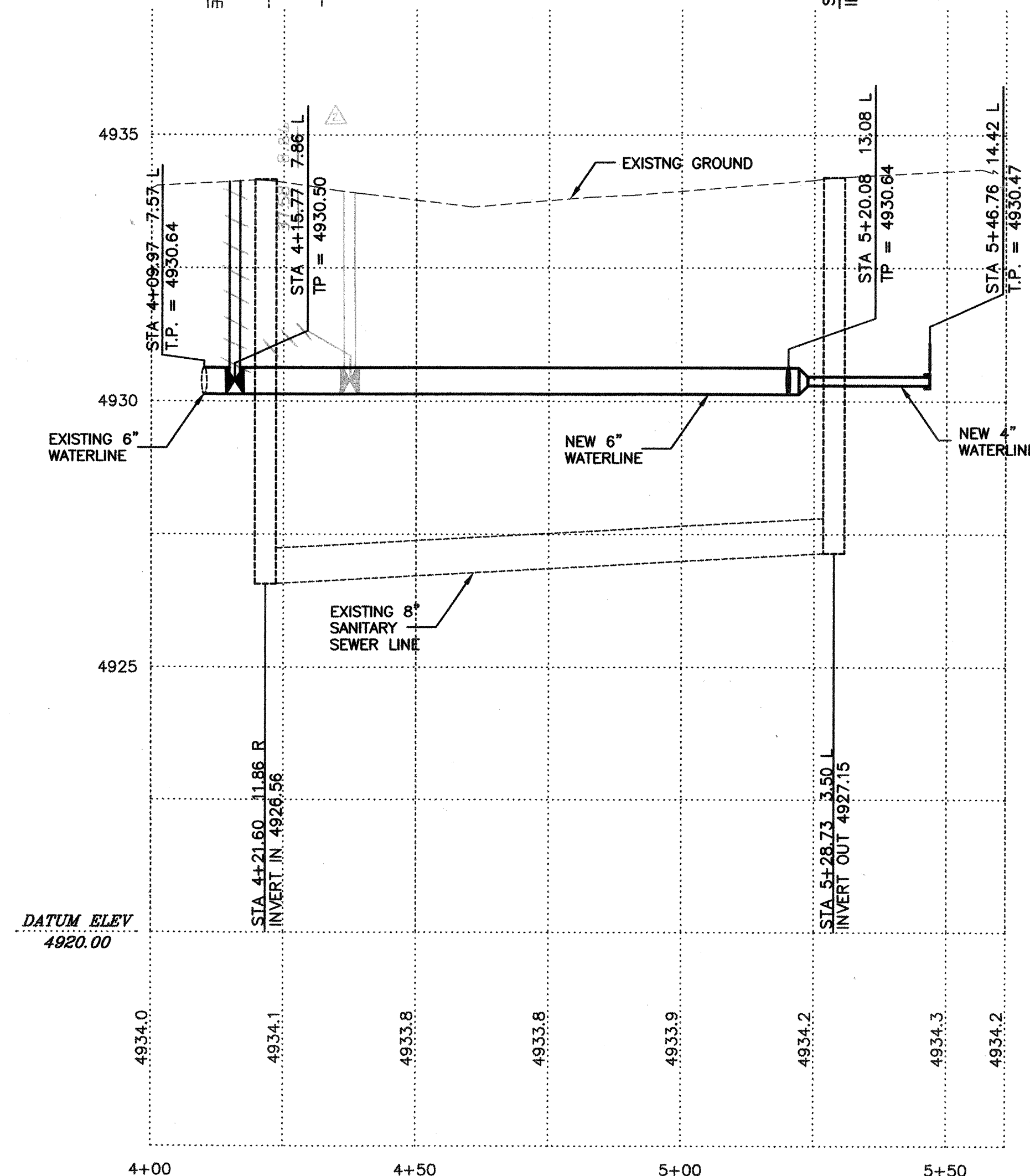
- 1- ALL CONTROL POINTS ARE NAILS.
2- COORDINATES ARE IN THE WGS 1984/NAD27 DATUM AND ELEVATIONS ARE IN THE NGVD29 DATUM.

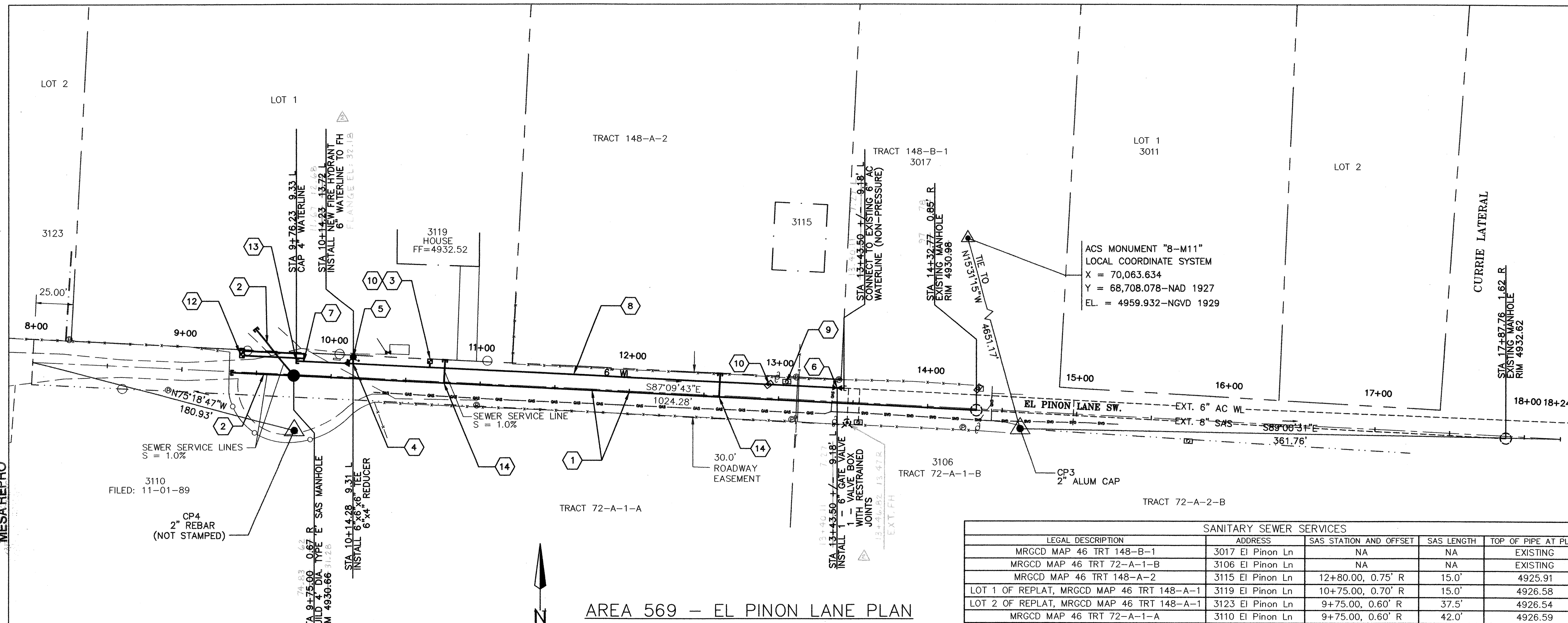
SANITARY SEWER SERVICES				
LEGAL DESCRIPTION	ADDRESS	SAS STATION AND OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
LOT 5 PROCOPIO ARMIJO ADD.	2547 Procopio Ct.	5+29.00, 3.20' L	29.0'	4928.40
LOT 6 PROCOPIO ARMIJO ADD.	2543 Procopio Ct.	5+29.00, 3.20' L	32.0'	4928.46
LOT 7 PROCOPIO ARMIJO ADD.	2538 Procopio Ct.	5+29.00, 3.20' L	40.0'	4928.62

 BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES			
TITLE: EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS AREA 516 - PROCOPIO COURT			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
		Last Design Update _____	_____
		City Project No. 726081 County Project No. TS01-19	Zone Map No. M11 Sheet 8 of 14

AREA 516 - PROCOPIO COURT PROFILE

SCALE:
HORIZ: 1"=20'
VERT: 1"=2'





AREA 569 - EL PINON LANE PLAN

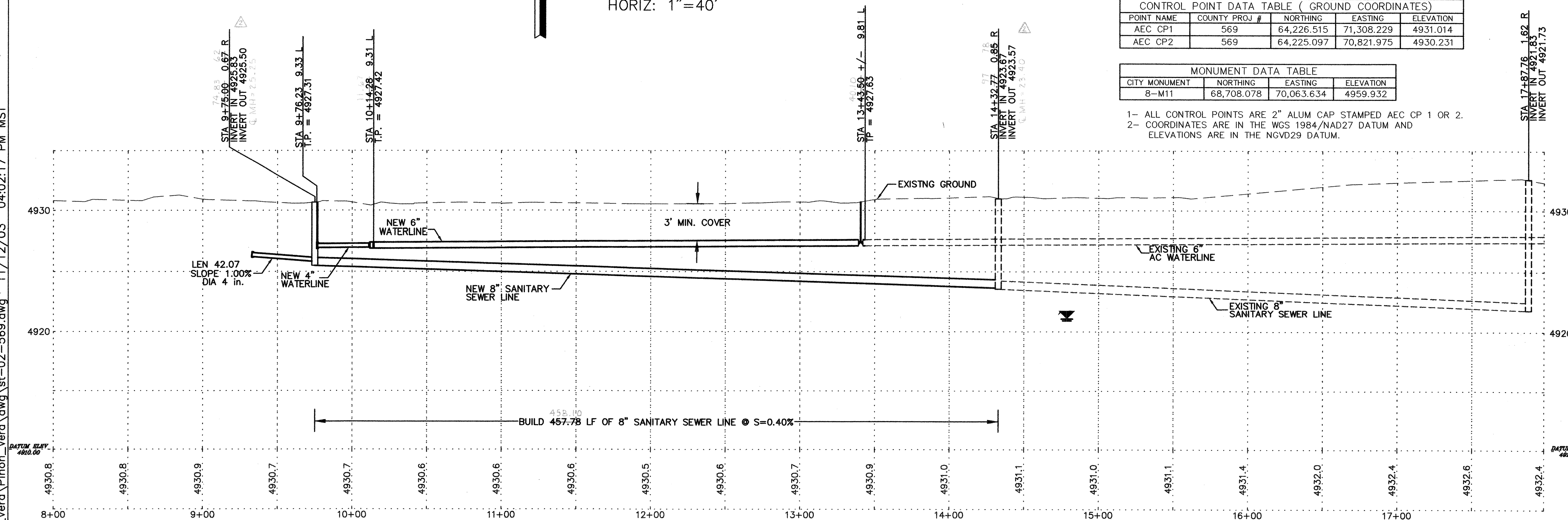
SCALE:
HORIZ: 1"=40'

SANITARY SEWER SERVICES				
LEGAL DESCRIPTION	ADDRESS	SAS STATION AND OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
MRGCD MAP 46 TRT 148-B-1	3017 El Pinon Ln	NA	NA	EXISTING
MRGCD MAP 46 TRT 72-A-1-B	3106 El Pinon Ln	NA	NA	EXISTING
MRGCD MAP 46 TRT 148-A-2	3115 El Pinon Ln	12+80.00, 0.75' R	15.0'	4925.91
LOT 1 OF REPLAT, MRGCD MAP 46 TRT 148-A-1	3119 El Pinon Ln	10+75.00, 0.70' R	15.0'	4926.58
LOT 2 OF REPLAT, MRGCD MAP 46 TRT 148-A-1	3123 El Pinon Ln	9+75.00, 0.60' R	37.5'	4926.54
MRGCD MAP 46 TRT 72-A-1-A	3110 El Pinon Ln	9+75.00, 0.60' R	42.0'	4926.59

CONTROL POINT DATA TABLE (GROUND COORDINATES)			
POINT NAME	COUNTY PROJ #	NORTHING	EASTING
AEC CP1	569	64,226.515	71,308.229
AEC CP2	569	64,225.097	70,821.975

MONUMENT DATA TABLE			
CITY MONUMENT	NORTHING	EASTING	ELEVATION
8-M11	68,708.078	70,063.634	4959.932

- 1- ALL CONTROL POINTS ARE 2" ALUM CAP STAMPED AEC CP 1 OR 2.
2- COORDINATES ARE IN THE WGS 1984/NAD27 DATUM AND ELEVATIONS ARE IN THE NGVD29 DATUM.



AREA 569 - EL PINON LANE PROFILE

SCALE:
HORIZ: 1"=40'
VERT: 1"=5'

CONSTRUCTION NOTES

1. INSTALL 8" SANITARY SEWER LINE.
2. NEW 4" SANITARY SEWER SERVICE LINE INTO MANHOLE PER C.O.A. STD. DWG. 2118.
3. INSTALL HEAVY WEIGHT BOX COVER AND LID PER C.O.A. STD. DWG. 2369. METER BOXES SHALL BE TRAFFIC RATED.
4. INSTALL 6"x6"x6" TEE AND 6"x4" REDUCER WITH RESTRAINED JOINTS.
5. INSTALL FIRE HYDRANT PER C.O.A. STD. DWG. 2340 WITH BOLLARDS PER DETAIL ON SHEET 12.
6. INSTALL 6" GATE VALVE AND VALVE BOX PER C.O.A. STD. DWGS. 2326 AND 2328 WITH RESTRAINED JOINTS.
7. CONNECT DOUBLE 3/4" WATER SERVICE LINE TO 4" WATERLINE PER C.O.A. STD. DWG. 2362. COPPERSETTERS SHALL INCLUDE A DUAL CHECK VALVE. SERVICES WILL NOT BE ACCEPTED WITHOUT CHECK VALVE.
8. INSTALL 6" WATERLINE.
9. VERIFY THAT METER SERVICES 3115 EL PINON LANE, THEN REMOVE EXISTING SERVICE CONNECTION AND RECONNECT SERVICE TO NEW 6" WATERLINE.
10. VERIFY THAT METER SERVICES 3119 EL PINON LANE, THEN REMOVE EXISTING SERVICE CONNECTION, METER BOX AND VALVE. INSTALL NEW SERVICE CONNECTION AND METER BOX TO NEW 6" WATERLINE AT APPROXIMATELY STATION 10+65.
11. REMOVE AND REPLACE EXISTING GRAVEL ROAD AS REQUIRED FOR CONSTRUCTION.
12. INSTALL DOUBLE HEAVYWEIGHT BOX COVER AND LID PER C.O.A. STD. DWG. 2366 AND 2369. METER BOX SHALL BE TRAFFIC RATED.
13. INSTALL 4" WATERLINE CAP.
14. NEW 4" SANITARY SEWER SERVICE LINE PER C.O.A. STD. DWG. 2125, 3115, AND 3119 MAY HAVE EXISTING 4" SERVICE LINE RUNNING TO MANHOLE AT STATION 14+32.77. CONTRACTOR SHALL VERIFY FIELD CONDITIONS. AFTER THE NEW SANITARY SEWER IS ACCEPTED BY THE CITY, THE CONTRACTOR SHALL TRANSFER SERVICE FROM OLD SERVICES TO NEW SERVICES. REMOVE AND DISPOSE OF OLD SERVICE LINE IN 30 FOOT ROADWAY EASEMENT.

WATER SHUT-OFF PLAN

1. THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF STANDARD SPECIFICATIONS.
2. ONLY CITY WATER SYSTEMS DIVISION EMPLOYEES MAY OPERATE VALVES.
3. BUILD WATERLINE AND FIRE HYDRANTS AS SHOWN, PRESSURE TEST AND DISINFECT WATERLINE PER SPECIFICATIONS.
4. CLOSE VALVE 502 IN EL PINON LANE AND CONNECT TO EXISTING WATER FACILITIES.
5. OPEN ALL VALVES.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	CONDOR	THE STATION MARK IS AN ACS	3 1/4" ALUMINUM CAP STAMPED	NO.	DATE		DESIGNED BY - DEB DATE - 1/04 DRAWN BY - DS DATE - 1/04 CHECKED BY - DEB DATE - 1/04
INSPECTED BY	WALKER	DATE	DATE	BY	DATE		
INSPECTED BY	WALKER	DATE	DATE	NO.	DATE		
INSPECTED BY	WALKER	DATE	DATE	REVISIONS	DATE		

		BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES	
TITLE: EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS AREA 569 - EL PINON LANE			
Design Review/Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	726081	Zone Map No.	N11
County Project No.	TS01-19	Sheet	9 of 14



SCALE:
HORIZ: 1"=40'

AREA 572 - ACCESS ROAD #2 PROFILE

SCALE:
HORIZ: 1"=40'
VERT: 1"=4'

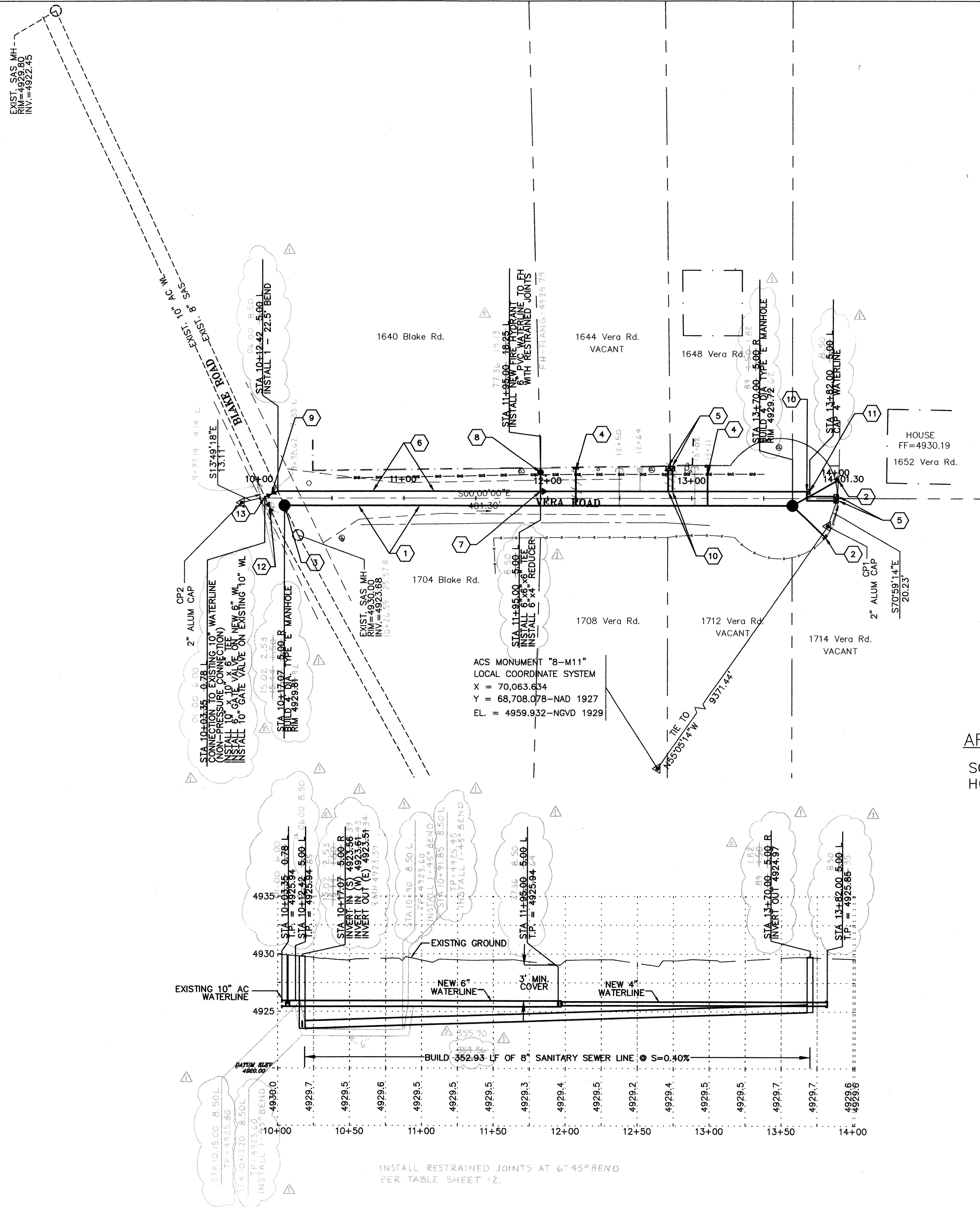
- 1 INSTALL 8" SANITARY SEWER LINE.
- 2 REMOVE EXISTING TREES AS REQUIRED FOR CONSTRUCTION.
- 3 NEW 4" SANITARY SEWER SERVICE LINE INTO MANHOLE PER C.O.A. STD. DWG. 2118.
- 4 NEW 4" SANITARY SEWER SERVICE LINE PER C.O.A. STD. DWG. 2125.
- 5 CONSTRUCT DROP MANHOLE PER C.O.A. STD. DWG. 2116.
- 6 INSTALL HEAVY WEIGHT BOX COVER AND LID PER C.O.A. STD. DWG. 2369. METER BOXES SHALL BE TRAFFIC RATED.
- 7 INSTALL 6"x6"x6" TEE AND 6"x4" REDUCER WITH JOINT RESTRAINT.
- 8 INSTALL FIRE HYDRANT PER C.O.A. STD. DWG. 2340 WITH BOLLARDS PER DETAIL ON SHEET 12.
- 9 INSTALL 12"x12"x6" TEE WITH RESTAINED JOINTS. NON-PRESSURE CONNECTION WILL BE PAID FOR EACH.
- 10 INSTALL 6" GATE VALVE AND VALVE BOX PER C.O.A. STD. DWGS. 2326 AND 2328 WITH RESTRAINED JOINTS.
- 11 CONNECT 3/4" WATER SERVICE LINE TO 4" WATERLINE PER C.O.A. STD. DWG. 2362. COPPERSETTERS SHALL INCLUDE A DUAL CHECK VALVE. SERVICE WILL NOT BE ACCEPTED WITHOUT CHECK VALVE.
- 12 INSTALL 6" WATERLINE.
- 13 VERIFY THAT METER SERVICES 2716 FOOTHILL, THEN REMOVE EXISTING SERVICE CONNECTION AND RECONNECT TO NEW 6" WATERLINE.
- 14 INSTALL 4" WATERLINE.
- 15 VERIFY THAT 2720 FOOTHILL HAS WATER METER. THEN REMOVE EXISTING SERVICE CONNECTION AND RECONNECT TO NEW 6" WATERLINE.
- 16 VERIFY THAT 2720 FOOTHILL HAS 4" SANITARY SEWER SERVICE, THEN AFTER THE C.O.A. HAS ACCEPTED THE NEW SEWER LINE, REMOVE EXISTING SERVICE AND RECONNECT TO NEW 4" SANITARY SEWER SERVICE. REMOVE AND DISPOSE OF OLD SERVICE LINE IN 30 FOOT ROADWAY EASEMENT.
- 17 INSTALL 12" GATE VALVE AND VALVE BOX PER C.O.A. STD. DWGS. 2326 AND 2328 WITH RESTRAINED JOINTS.

- 1 THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF STANDARD SPECIFICATIONS.
- 2 ONLY CITY WATER SYSTEMS DIVISION EMPLOYEES MAY OPERATE VALVES.
- 3 BUILD WATERLINE AND FIRE HYDRANTS AS SHOWN, PRESSURE TEST AND DISINFECT WATERLINE PER SPECIFICATIONS.
- 4 BUILD PRESSURE CONNECTION TO EXISTING 12" AC WATERLINE AND CONNECT NEW WATERLINE TO EXISTING WATER FACILITIES, IF REQUIRED. VALVES FOR SHUT OFF ARE 901 LOCATED AT INTERSECTION OF LINDA AND FOOTHILL, 141 LOCATED IN THE CUL-DE-SAC OF EL NAVAJO ROAD.
- 5 OPEN ALL VALVES.

MONUMENT DATA TABLE			
CITY MONUMENT	NORTHING	EASTING	ELEVATION
17-L12	73,647.267	77,731.490	4942.877

1- ALL CONTROL POINTS ARE 2" ALUM CAP STAMPED AEC CP 1 OR 2.
2- COORDINATES ARE IN THE WGS 1984/NAD27 DATUM AND
ELEVATIONS ARE IN THE NGVD29 DATUM.

	BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES			
TITLE: EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS AREA 572 – ACCESS ROAD #2				
Design Review Committee 	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. County Project No.	726081 TS01-19	Zone Map No. N11	Sheet 10	of 14



AREA 595 - VERA ROAD PLAN

SCALE:
HORIZ: 1"=40'

AREA 595 - VERA ROAD PROFILE

SCALE:
HORIZ: 1"=40'
VERT: 1"=5'

CONSTRUCTION NOTES

- BUILD NEW 8" SANITARY SEWER LINE.
- NEW 4" SANITARY SEWER SERVICE LINE INTO MANHOLE PER C.O.A. STD. DWG. 2118.
- CONSTRUCT NEW 4' MANHOLE PER C.O.A. STD. DWG. 2101.
- INSTALL 4" SANITARY SEWER SERVICE LINE PER C.O.A. STD. DWG. 2125.
- INSTALL HEAVY WEIGHT BOX COVER AND LID PER C.O.A. STD. DWG. 2369. METER BOXES SHALL BE TRAFFIC RATED.
- INSTALL NEW 6" WATERLINE
- INSTALL 6"x6"x6" TEE AND 6"x4" REDUCER WITH RESTRAINED JOINTS.
- INSTALL NEW FIRE HYDRANT PER C.O.A. STD. DWG. 2340 AND BOLLARDS PER DETAIL ON SHEET 12.
- INSTALL 6" GATE VALVE AND VALVE BOX PER C.O.A. STD. DWGS. 2326 AND 2328 WITH RESTRAINED JOINTS.
- INSTALL 3/4" SERVICE WATERLINE PER C.O.A. STD. DWG. 2362. COPPERSETTERS SHALL INCLUDE A DUAL CHECK VALVE. SERVICES WILL NOT BE ACCEPTED WITHOUT CHECK VALVES.
- CAP END OF 4" WATERLINE.
- INSTALL 10" GATE VALVE AND VALVE BOX PER C.O.A. STD. DWGS. 2326 AND 2328 WITH RESTRAINED JOINTS.
- INSTALL 10"x10"x6" TEE WITH RESTRAINED JOINTS.

WATER SHUT-OFF PLAN

- THE WATER SYSTEMS DIVISION (857-8200) WILL BE NOTIFIED BY THE CONTRACTOR SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK WHICH MAY AFFECT THE EXISTING PUBLIC WATER FACILITIES. REFER TO SECTION 18 OF STANDARD SPECIFICATIONS.
- ONLY CITY WATER SYSTEMS DIVISION EMPLOYEES MAY OPERATE VALVES.
- BUILD WATERLINE AND FIRE HYDRANTS AS SHOWN, PRESSURE TEST AND DISINFECT WATERLINE PER SPECIFICATIONS.
- IF REQUIRED, CLOSE VALVE 523 AT INTERSECTION OF ISLETA AND BLAKE, VALVE 641 AT INTERSECTION OF BLAKE AND FRANZEN, VALVE 642 IN BLAKE AND VALVE 643 AT THE INTERSECTION OF BLAKE AND MERVOSH.
- OPEN ALL VALVES.

SANITARY SEWER SERVICES				
LEGAL DESCRIPTION	ADDRESS	SAS STATION AND OFFSET	SAS LENGTH	TOP OF PIPE AT PLUG
LOT C BONAGUIDI SUBDIV.	1640 Blake Rd.	NA	NA	EXISTING
LOTS J & K BONAGUIDI SUBDIV.	1704 Blake Rd.	NA	NA	EXISTING
LOT D BONAGUIDI SUBDIV.	1644 Vera Rd.	12+19.50, 5.00' R	27.0'	4925.94
LOT E BONAGUIDI SUBDIV.	1648 Vera Rd.	13+11.00, 5.00' R	27.0'	4926.30
LOT F BONAGUIDI SUBDIV.	1652 Vera Rd.	13+70.00, 5.00' R	39.0'	4925.70
LOT G BONAGUIDI SUBDIV.	1714 Vera Rd.	13+70.00, 5.00' R	30.0'	4925.60

CONTROL POINT DATA TABLE (GROUND COORDINATES)				
POINT NAME	COUNTY PROJ #	NORTHING	EASTING	ELEVATION
AEC CP1	595	63,344.531	77,748.438	4929.836
AEC CP2	595	63,751.967	77,764.432	4930.137

MONUMENT DATA TABLE			
CITY MONUMENT	NORTHING	EASTING	ELEVATION
8-M11	68,708.078	70,063.634	4959.932

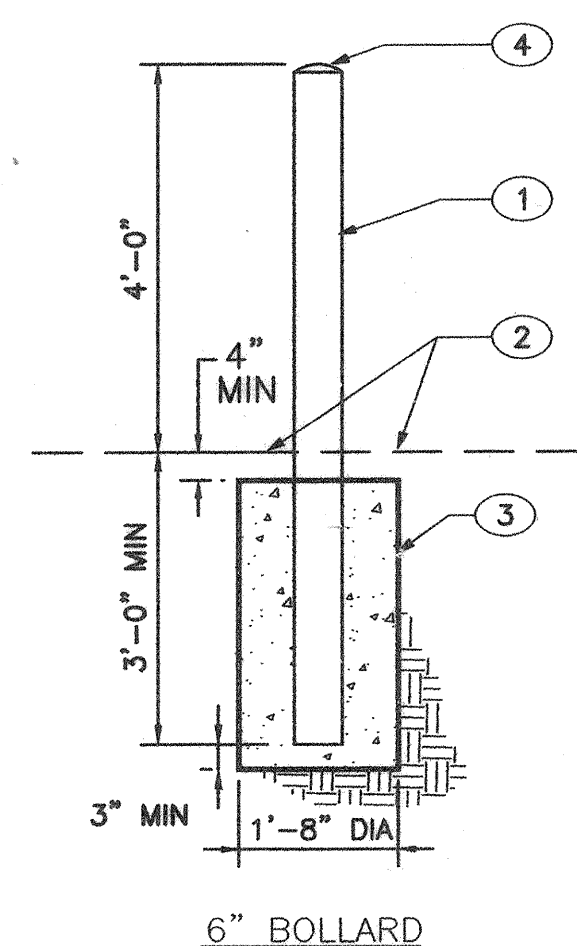
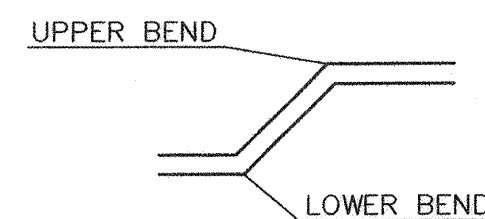
- ALL CONTROL POINTS ARE 2" ALUM CAP STAMPED AEC CP 1 OR 2.
- COORDINATES ARE IN THE WGS 1984/NAD27 DATUM AND ELEVATIONS ARE IN THE NGVD29 DATUM.

		BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES	
TITLE: EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS AREA 595 - VERA ROAD			
Design/Review/Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No.	726081	Zone Map No.	N12
County Project No.	TS01-19	Sheet	11 Of 14

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	CONDOR CONSTRUCTION	ACCS	3 1/4 ALUMINUM CAP, STAMPED	FIELD NOTES	NO.		
DATE	DATE	DATE	DATE	DATE	DATE		
DATE	DATE	DATE	DATE	DATE	DATE		
DATE	DATE	DATE	DATE	DATE	DATE		
DATE	DATE	DATE	DATE	DATE	DATE		
RECORDED BY	NO.	NO.	NO.	NO.	NO.	DESIGNED BY	DATE - 1/04
						DRAWN BY	DATE - 1/04
						CHECKED BY	DATE - 1/04

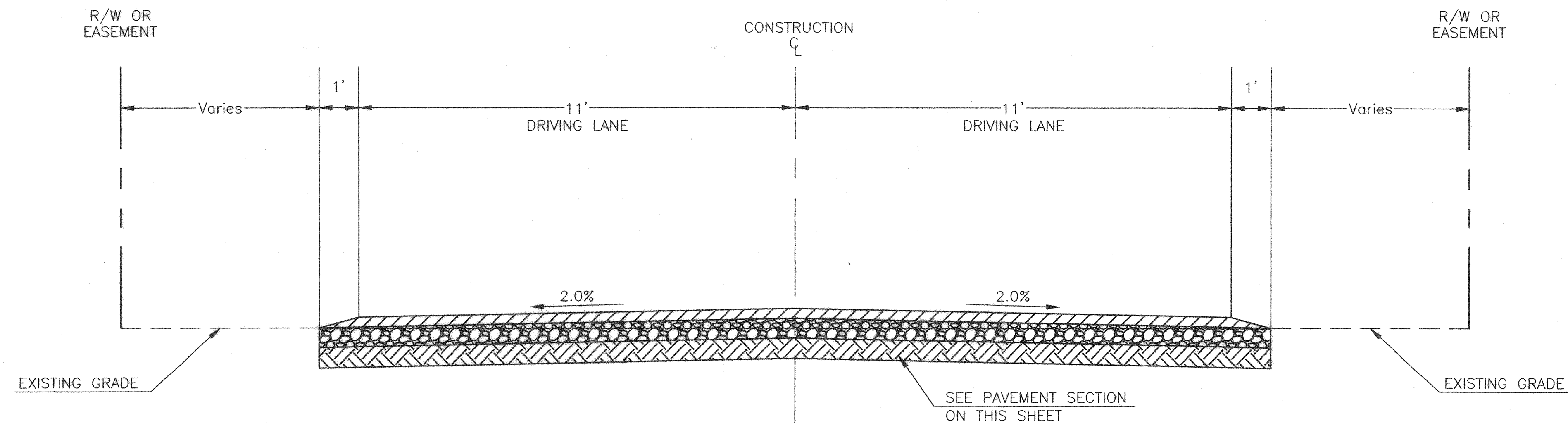
FITTING TYPE	LENGTH OF RESTRAINED JOINTS (FT.)			
	4"	6"	8"	10"
6"x6" TEE	--	1	--	--
8"x6" TEE	--	1	1	--
10"x6" TEE	--	2	--	6
6"x4" REDUCER	--	28	--	--
8"x6" REDUCER	--	--	30	--
10"x4" REDUCER	--	--	--	70
10"x6" REDUCER	--	--	--	53
90° HORIZ. REDUCER	18	25	32	38
45° HORIZ. BEND	7	10	13	16
22.5° HORIZ. BEND	4	5	6	8
11.25° HORIZ. BEND	2	2	3	4
GATE VALVE/CAP	39	55	72	86
45° VER. BEND (UPPER)	16	23	30	36
45° VER. BEND (LOWER)	11	15	19	22

1	ALL JOINTS SHALL BE RESTRAINED AT THE FITTING.
2	THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ABOVE (SEE NOTE 2).
3	THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANTS JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGES.
4	RESTRAINED LENGTH IS ON LARGE SIDE ON ALL REDUCERS.
5	RESTRAIN ALL JOINTS BETWEEN UPPER AND LOWER VERTICAL BENDS.



1. 6" dia. steel pipe w/ reflectorized red
Paint (conc. filled w/ smooth edges).
2. Pavement section or finished grade
- see plans.
3. Concrete footing (3500 psi).
4. Rounded concrete.

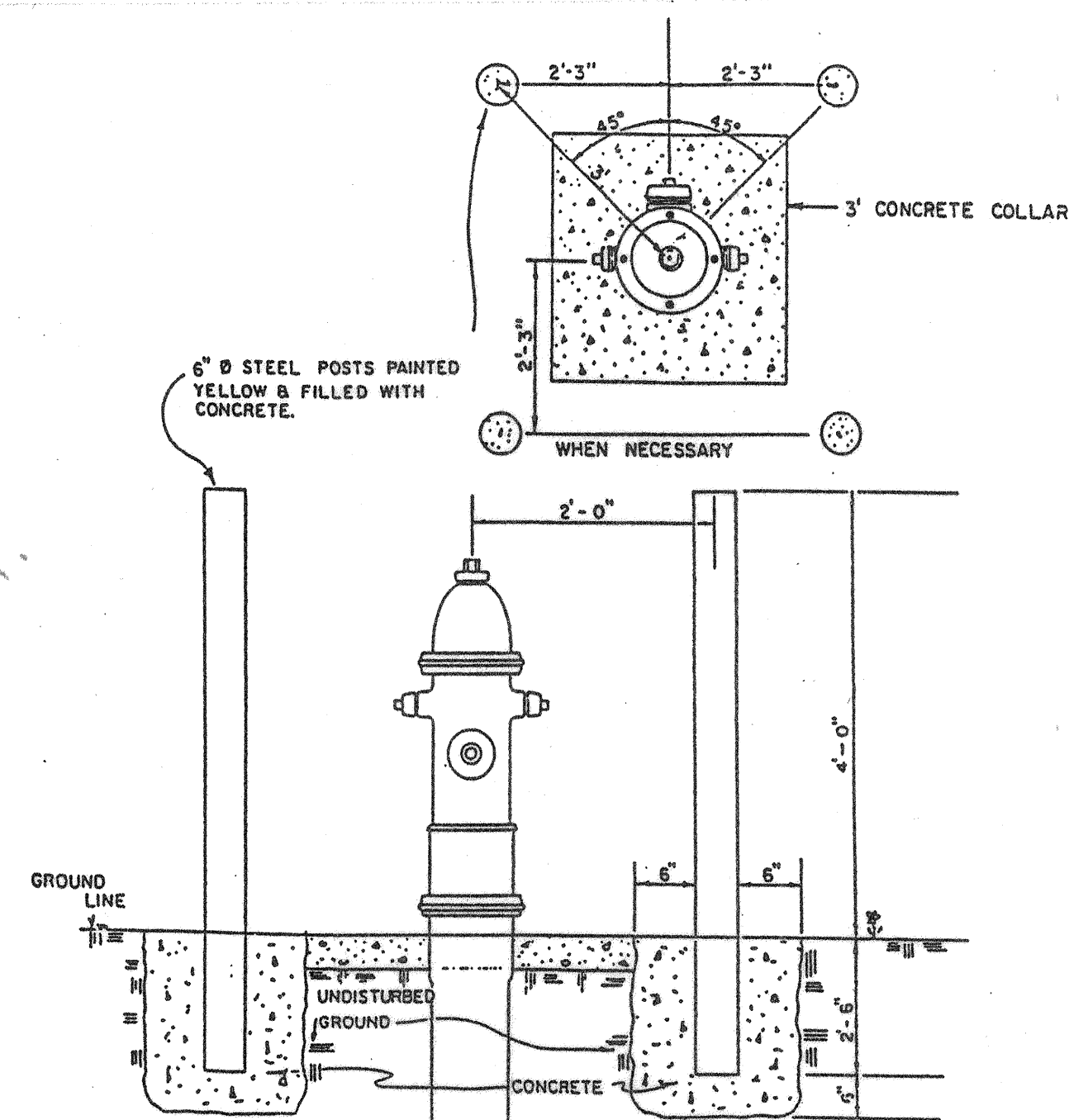
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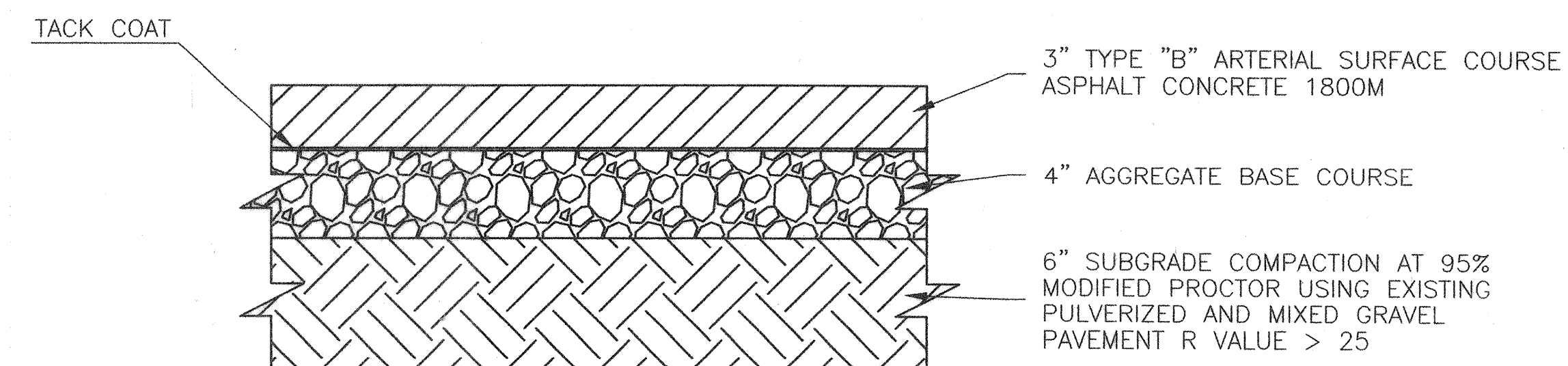
SCALE: N.T.S

1 AREA 508 - FOOTHILL DRIVE (STA 0+00 TO STA 1+00 AND STA 1+50 TO STA 2+50)
2 AREA 513 - DON ANDRES (STA 3+00 TO CENTER OF CUL-SE-SAC AT STA 9+16 RADIUS = 40')
3 AREA 516 - PROCOPIO COURT (PATCH AS REQUIRED)
4 AREA 569 - EL PINON LANE (CENTER OF CUL-DE-SAC AT STA 9+67.79; OFF 8.2' R RADIUS = 30' TO STA 14+50)
5 AREA 595 - VERA ROAD (STA 10+00 TO CENTER OF CUL-DE-SAC AT STA 13+59.94 RADIUS = 30')

1 AREA 509 - UTILITY EASEMENT (STA 5+00 TO STA 9+00 15' WIDE)
2 AREA 513 - LOS FAISANES (STA 12+00 TO STA 21+00 17' WIDE)
3 AREA 572 - UTILITY ACCESS EASEMENT (STA 1+40 TO STA 6+60 15' WIDE)



SCALE: NTS



SCALE: N.T.S

- 1 ALL PAVEMENT CUTS SHALL BE INSPECTED BY BCPWD
INSPECTOR PRIOR TO REPLACEMENT OF MATERIAL AND
BEFORE FINAL ACCEPTANCE. REFER TO BCPWD STD.
DWG. 2465 FOR ALL PAVEMENT CUTS.
- 2 PERMANENT STRIPING AND/OR SIGNAGE DAMAGED OR
DESTROYED DURING CONSTRUCTION SHALL BE
REPLACED AND THE COST OF REPLACEMENT SHALL BE
INCIDENTAL TO PAVING ITEMS.

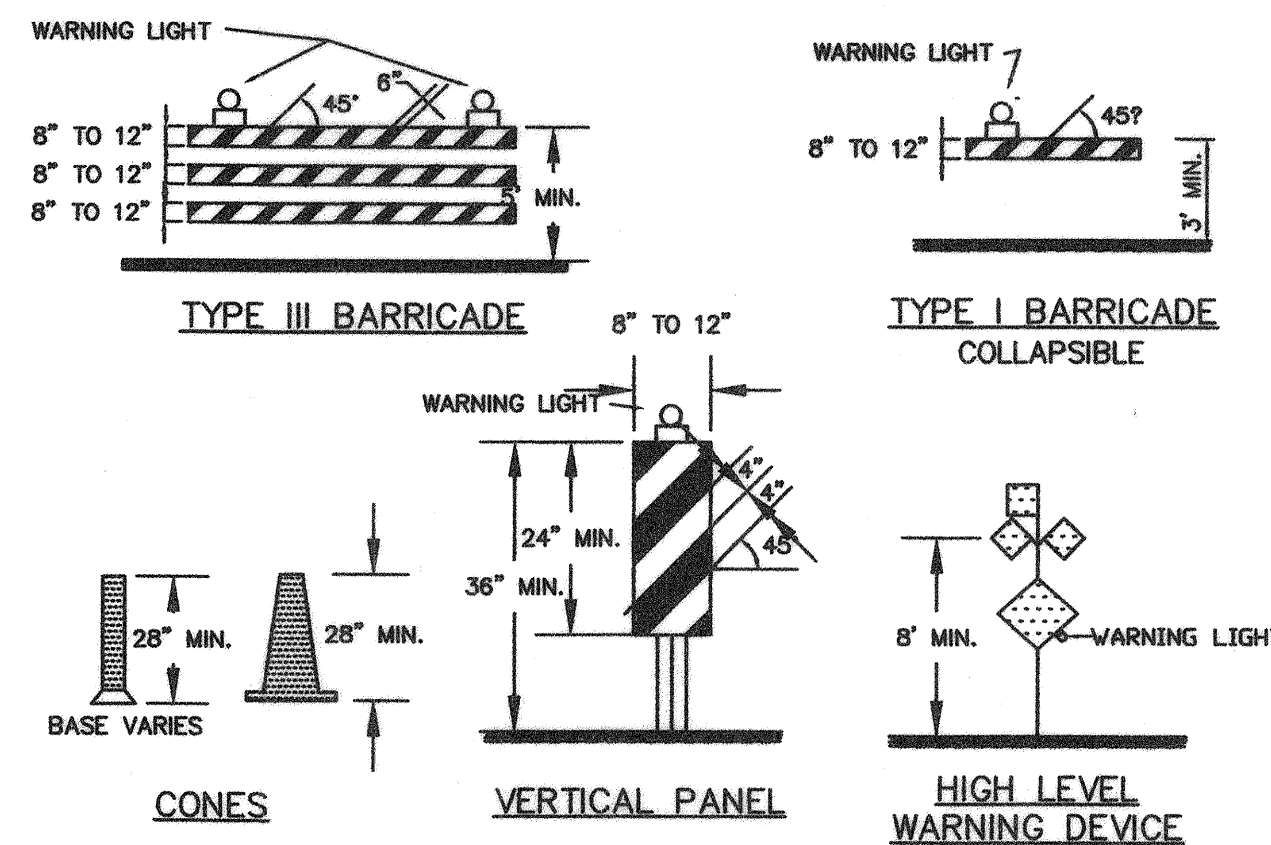
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		BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES															
TITLE:		EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS UTILITY DETAILS															
Design Review Committee		City Engineer Approval		Last Design Update <table border="1"> <thead> <tr> <th>Mo./Day/Yr.</th> <th>Mo./Day/Yr.</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>		Mo./Day/Yr.	Mo./Day/Yr.										
Mo./Day/Yr.	Mo./Day/Yr.																
City Project No. 726081 County Project No. TS01-19		Zone Map No.		Sheet 12 Of 14													

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

- PROJECT IS SUBJECT TO THE REQUIREMENTS OF COUNTY ORDINANCE NO. 95-12 AND COUNTY ORDINANCE NO. 96-3. THE CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY. CONTRACTOR SHALL CALL 848-1504 FOR MORE INFORMATION.
- THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN TO THE COUNTY TRAFFIC CONTROL ADMINISTRATOR AT LEAST 72 HOURS PRIOR TO COMMENCEMENT OF WORK. TRAFFIC CONTROL PLANS SHALL BE PREPARED IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION AND BY CERTIFIED PERSONNEL AND MUST BE APPROVED PRIOR TO COMMENCEMENT OF WORK ON THE PROJECT. CALL 848-1504 FOR FURTHER INFORMATION.
- A DAILY TRAFFIC CONTROL LOG SHALL BE MAINTAINED BY THE CONTRACTOR REFLECTING THE TYPES AND LOCATIONS OF ALL TRAFFIC CONTROL DEVICES, SIGNS, BARRICADES, ETC. BEING USED ON THE PROJECT IN COMPLIANCE WITH THE APPROVED TRAFFIC CONTROL PLAN. THIS LOG SHALL BE SUBMITTED TO THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR UPON COMPLETION OF THE PROJECT CONSTRUCTION OR WHEN SO REQUESTED BY THE PROJECT MANAGER OR THE BERNALILLO COUNTY TRAFFIC CONTROL ADMINISTRATOR.
- CONTRACTOR SHALL PROVIDE A WEEKLY CONSTRUCTION ACTIVITY SCHEDULE TO BERNALILLO COUNTY PUBLIC WORKS DIVISION ATTN: PROJECT MANAGER
- THE CONTRACTOR SHALL FILE A WEEKLY WRITTEN REPORT TO THE TRAFFIC CONTROL ADMINISTRATOR DESCRIBING THE TRAFFIC CONTROL PLAN THAT WILL BE IN EFFECT FOR THE FOLLOWING WEEK.
- SUBJECT TO THE APPROVED TRAFFIC CONTROL PLAN, AT LEAST ONE LANE SHALL BE OPEN TO TRAFFIC AT ALL TIMES. CONTRACTOR SHALL PROVIDE PROPER SIGNAGE AND FLAGMAN AND SHALL MAINTAIN THE TRAFFIC LANE IN SUCH A MANNER AS TO ASSURE PROPER SAFETY TO THE TRAVELING PUBLIC AT ALL TIMES, EXCEPT WHEN GRADING, EXCAVATION AND BACKFILL OPERATIONS ARE BEING CONDUCTED IMMEDIATELY IN FRONT OF THE PROPERTY, IN WHICH CASE ACCESS WILL NOT BE DENIED FOR MORE THAN 4 HOURS WITHOUT APPROVAL BY THE COUNTY.
- TRAFFIC LANES PROVIDED DURING CONSTRUCTION SHALL BE MAINTAINED, IN SUCH A CONDITION UNDER ALL WEATHER CONDITIONS, SO AS TO PERMIT THE REASONABLE PASSAGE OF PASSENGER VEHICLES, AND SHALL BE KEPT GRADED AND SMOOTH, AND WATERED SEVERAL TIMES DAILY TO CONTROL DUST.
- TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.
- CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.
- ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF THE COUNTY TRAFFIC CONTROL ADMINISTRATOR, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.
- THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP FOR EACH PHASE SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.
- CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.
- ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

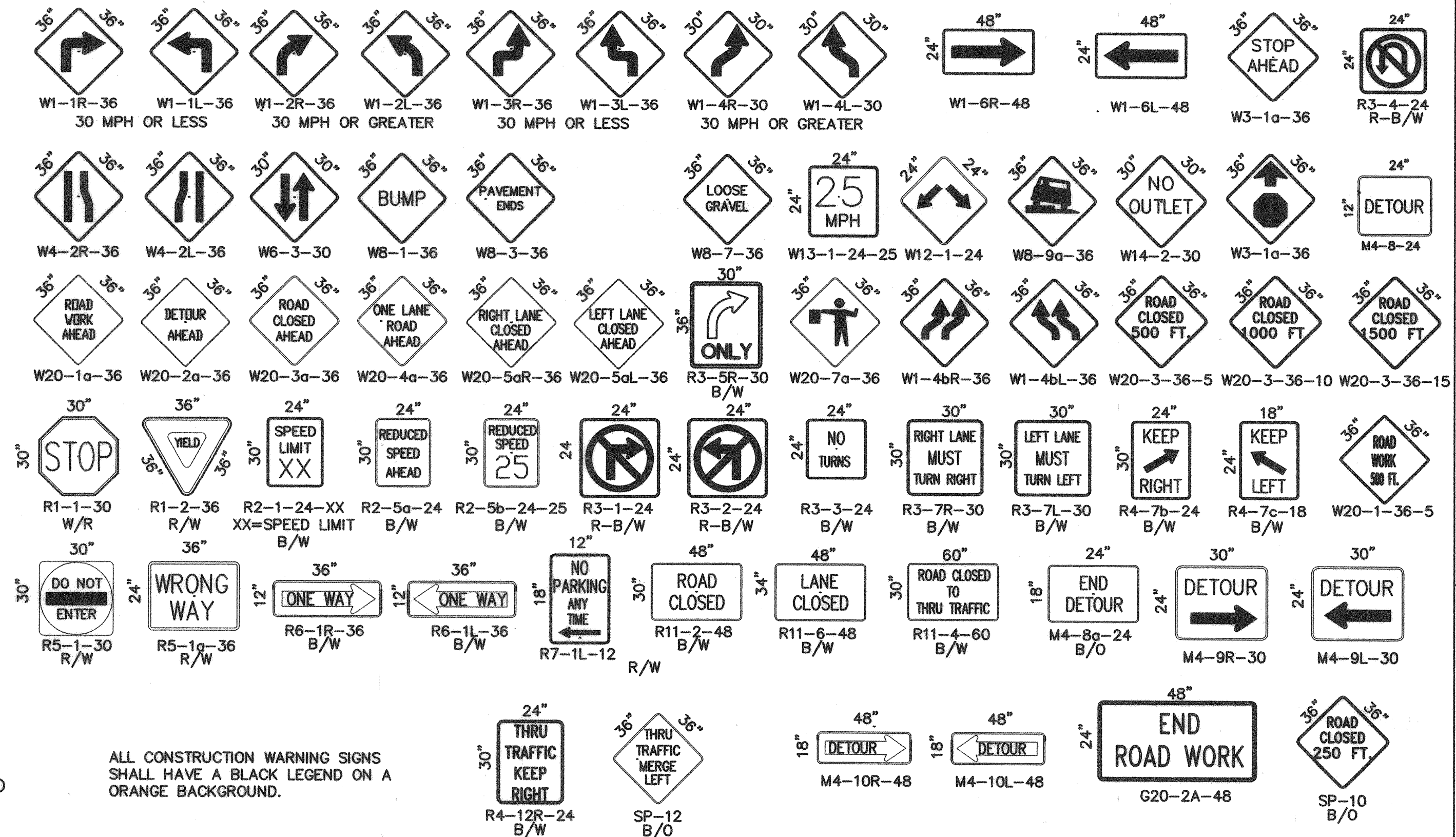
- ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY BERNALILLO COUNTY TRAFFIC ENGINEERING PER MUTCD SECTION 6A-4.
- ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24 HOUR PER DAY BASIS UNTIL COMPLETED.
- EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF BERNALILLO COUNTY TRAFFIC ENGINEERING.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.
- CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.
- CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF BERNALILLO COUNTY TRAFFIC ENGINEERING. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE LETTERING ON BLUE BACKGROUND. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.
- 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.
- ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY BERNALILLO COUNTY TRAFFIC ENGINEERING.
- EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET, SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.



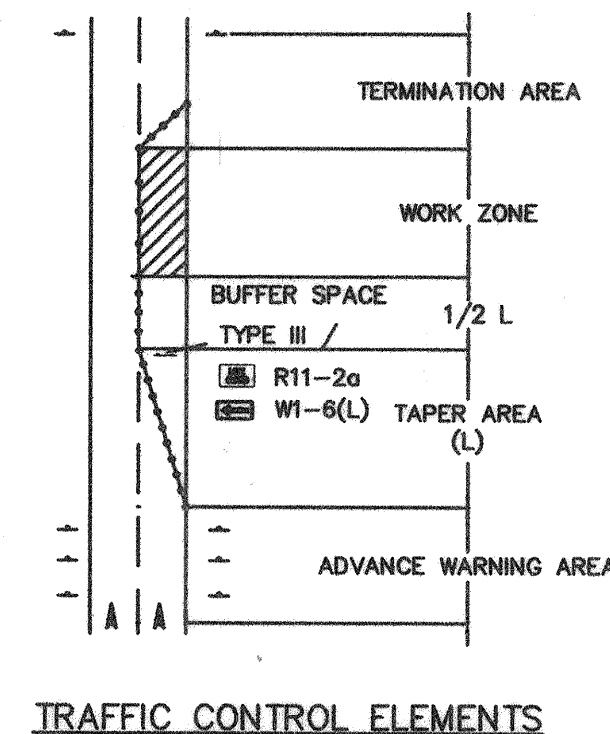
LEGEND

- WORK AREA
 - BARRICADE - TYPE I, TYPE II, OR TYPE "H" DRUM W/ REFLECTIVITY III-A SHEETING
 - BARRICADE - TYPE III
 - VERTICAL PANEL
 - WARNING SIGN
 - DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
 - FLAGMAN POSITION
 - SPACING BETWEEN BARRICADES- A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
 - TAPER LENGTH - SEE CHART BELOW
- THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

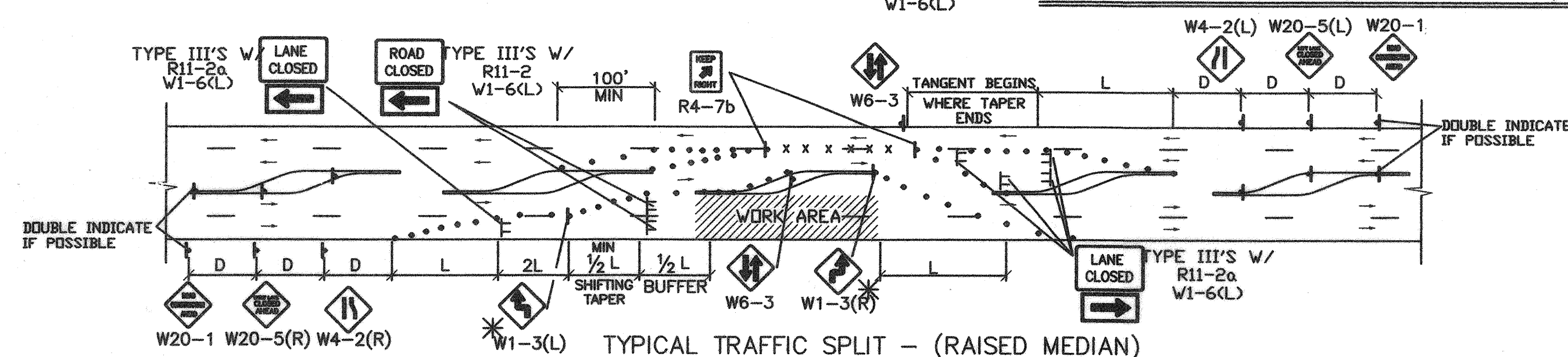
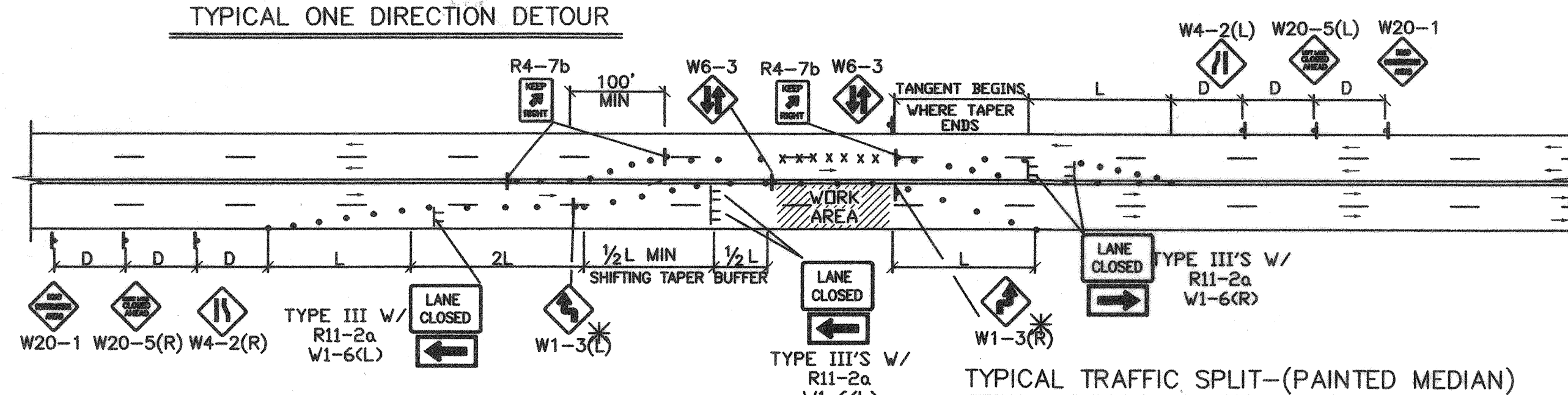
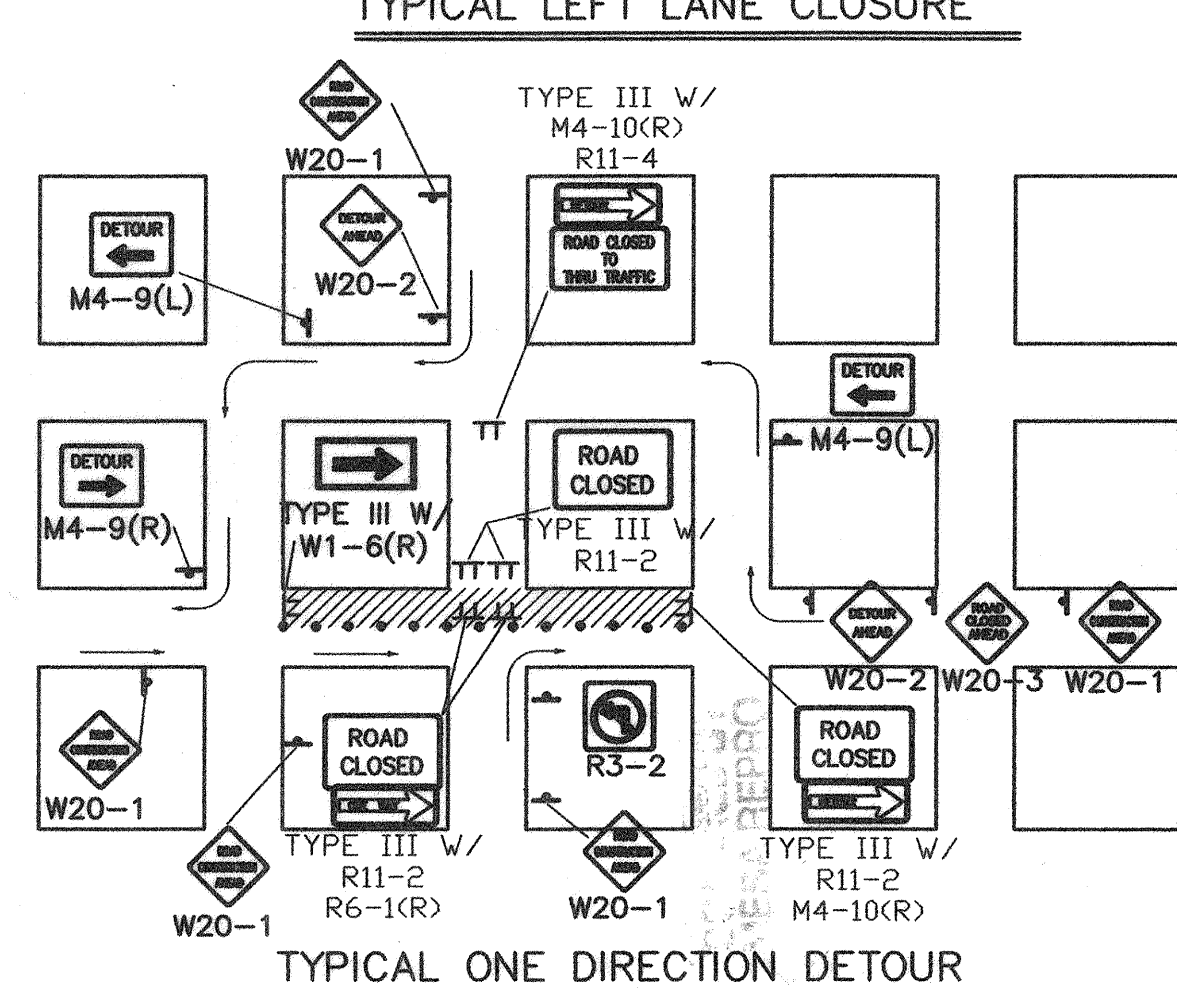
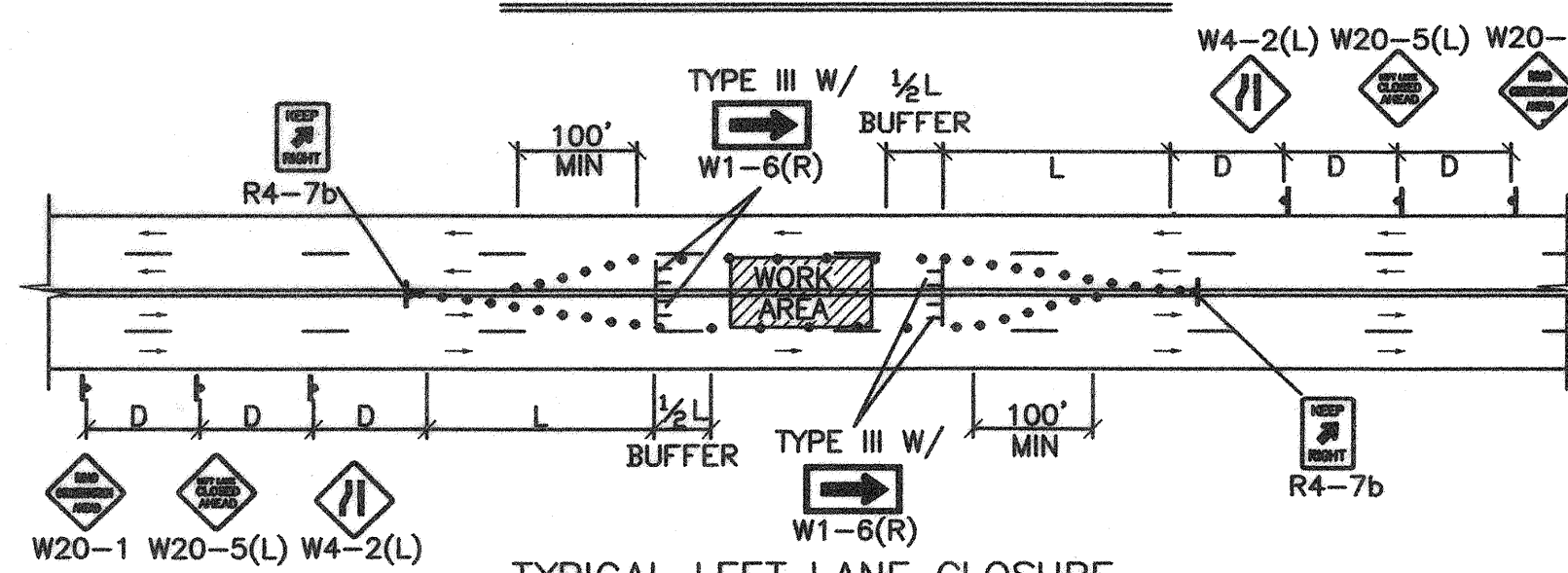
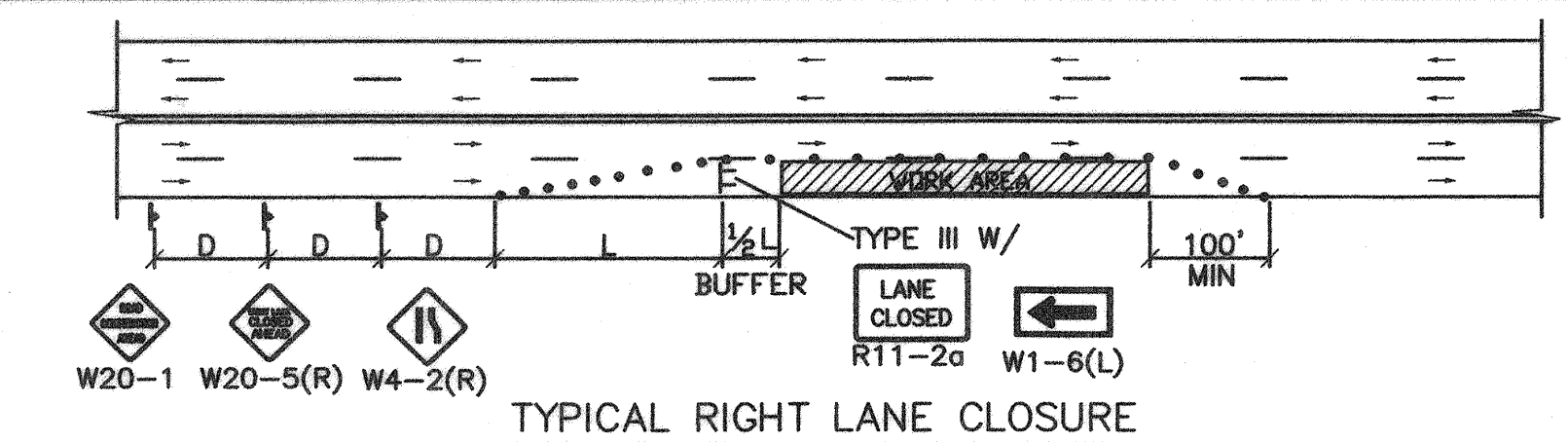
SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON AN ORANGE BACKGROUND.

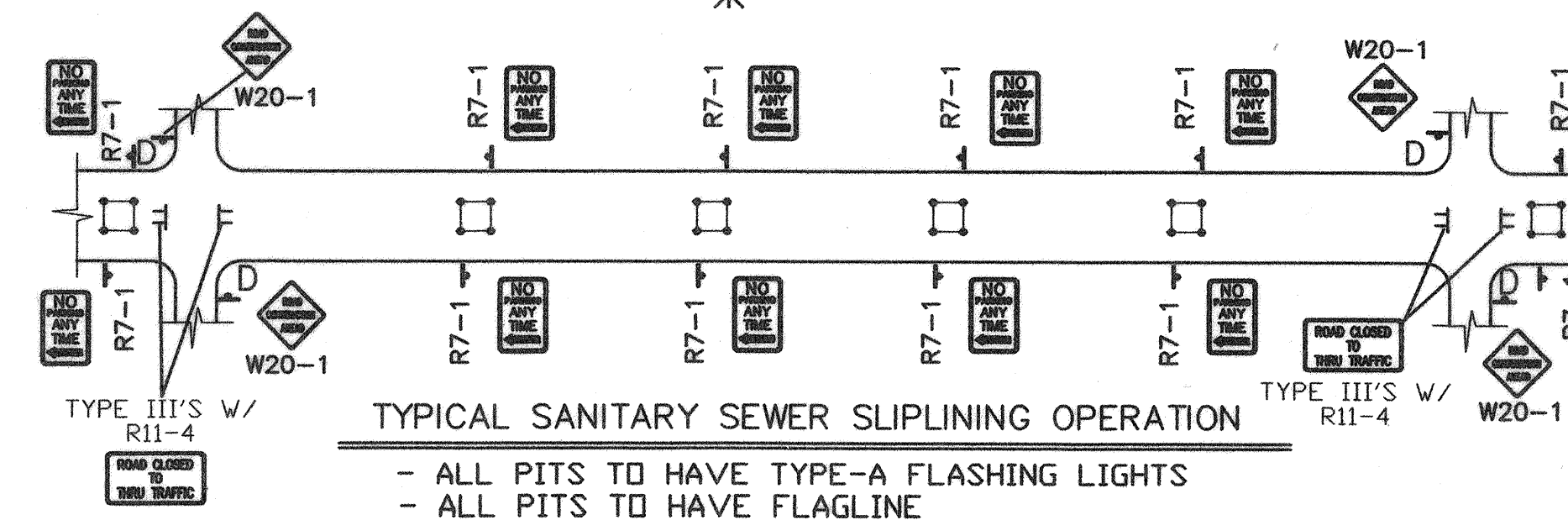


BERNALILLO COUNTY PUBLIC WORKS DIVISION TECHNICAL SERVICES			
TITLE: EL PINON/VERA INFILL AREA SEWER, WATER AND STREET IMPROVEMENTS TRAFFIC CONTROL NOTES			
Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
City Project No. 726081	Zone Map No.	Sheet 13	Of 14
County Project No. TS01-19			



- TRAFFIC SPLIT NOTES:

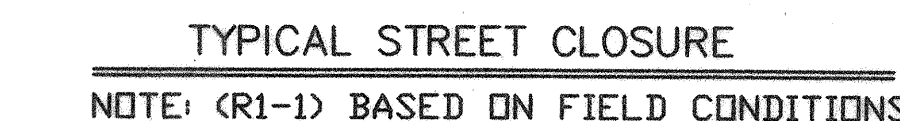
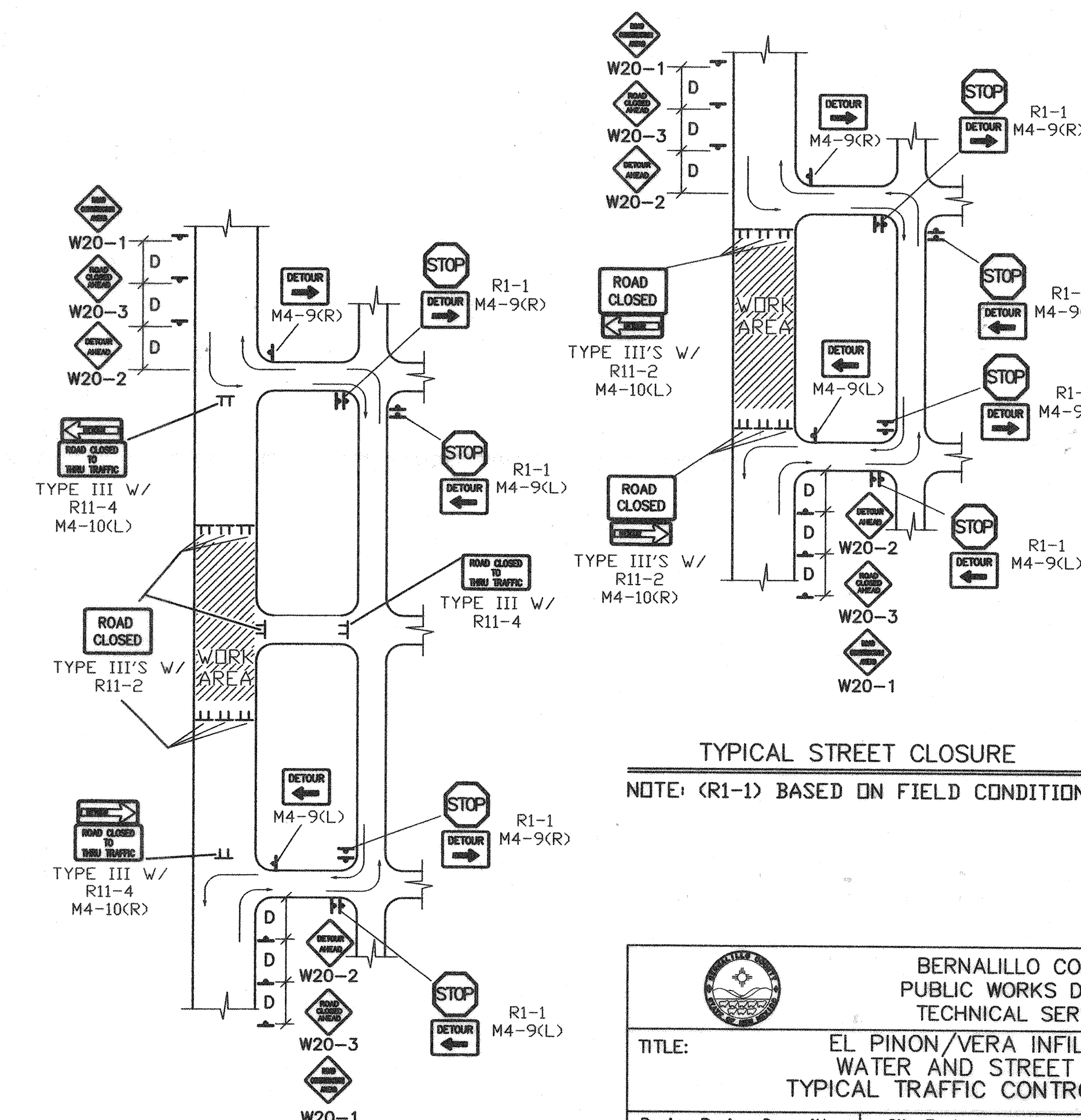
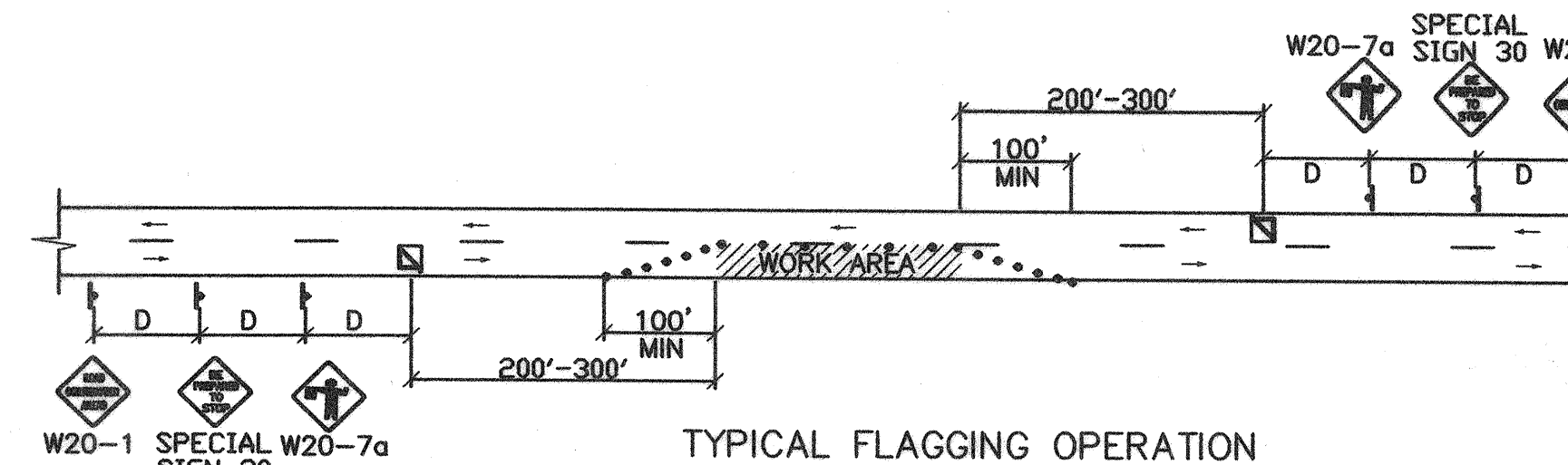
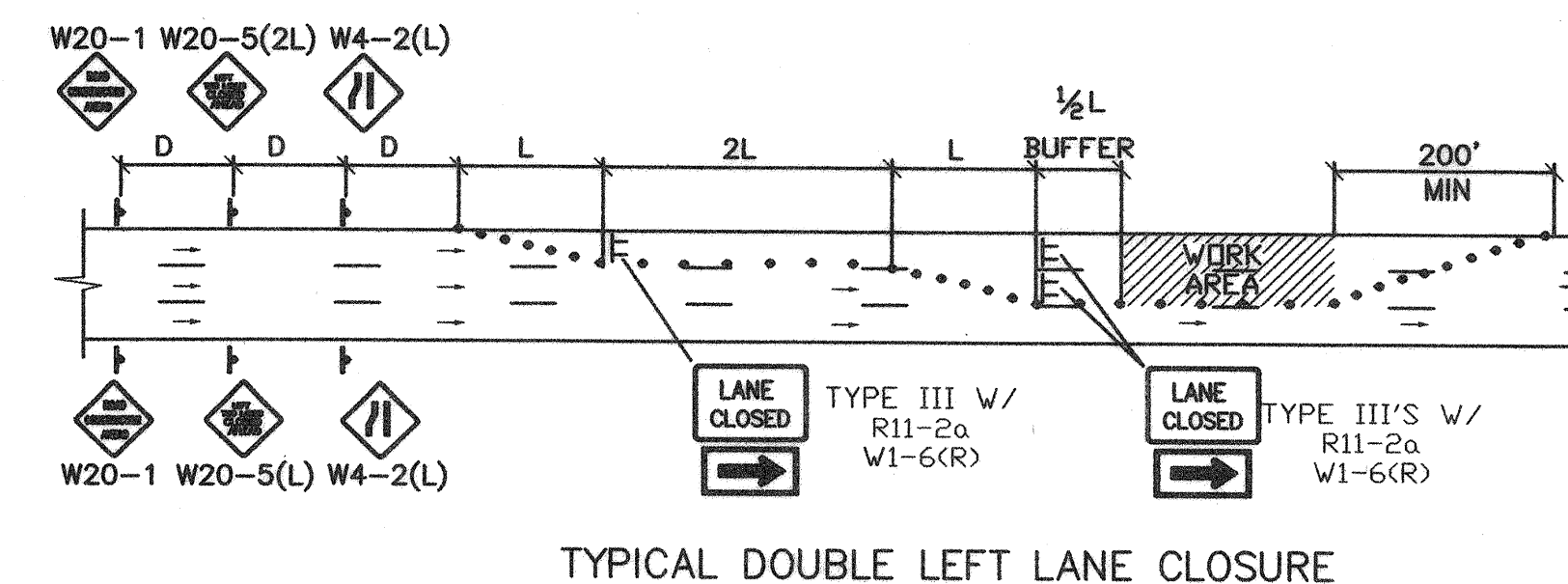
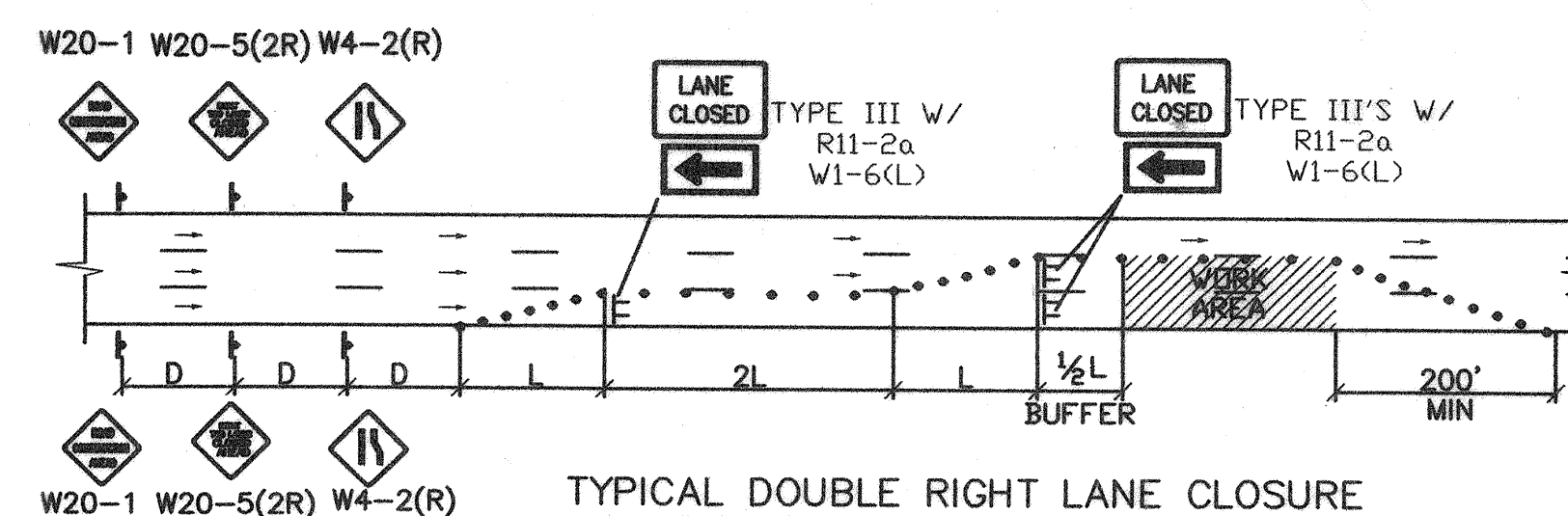
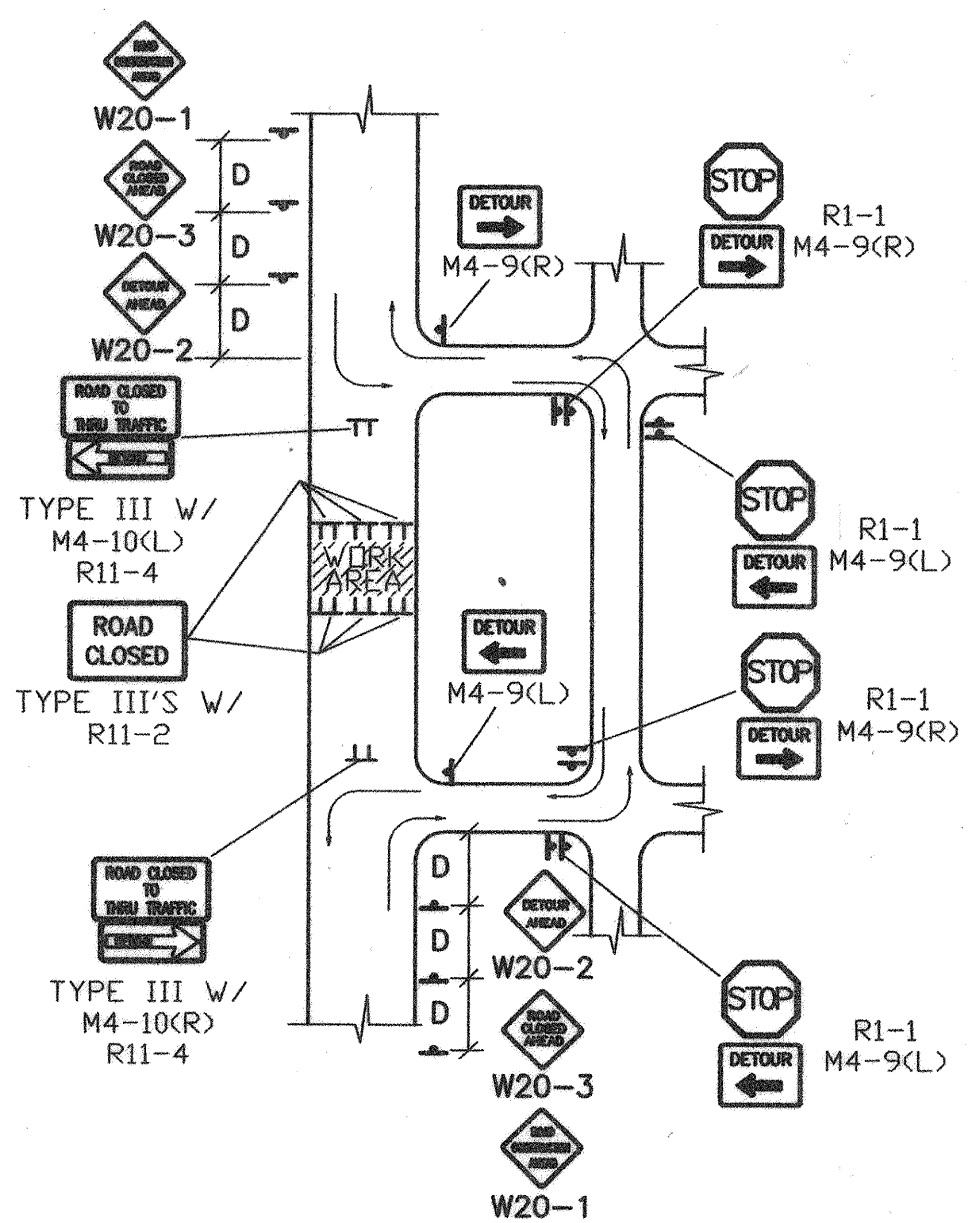
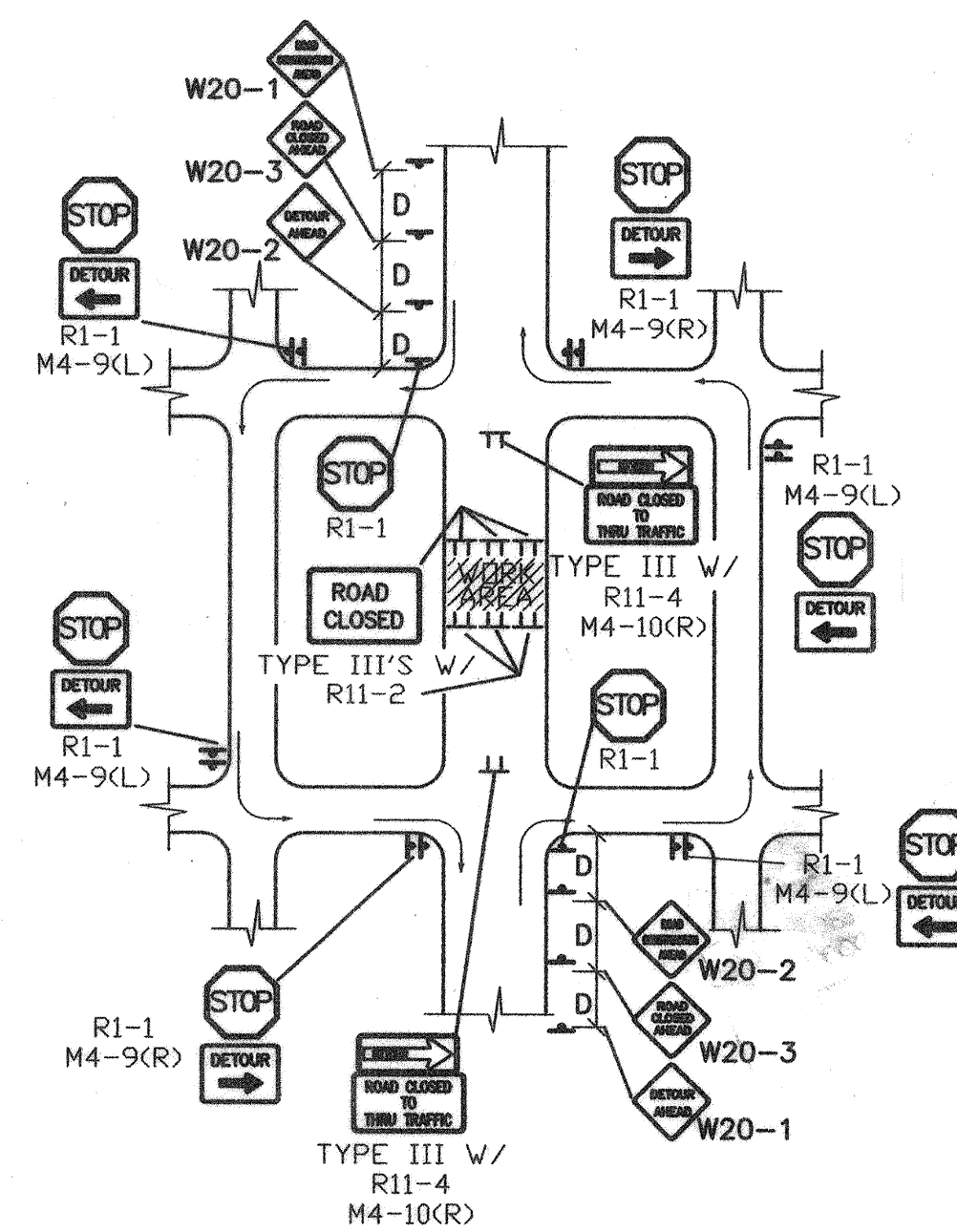
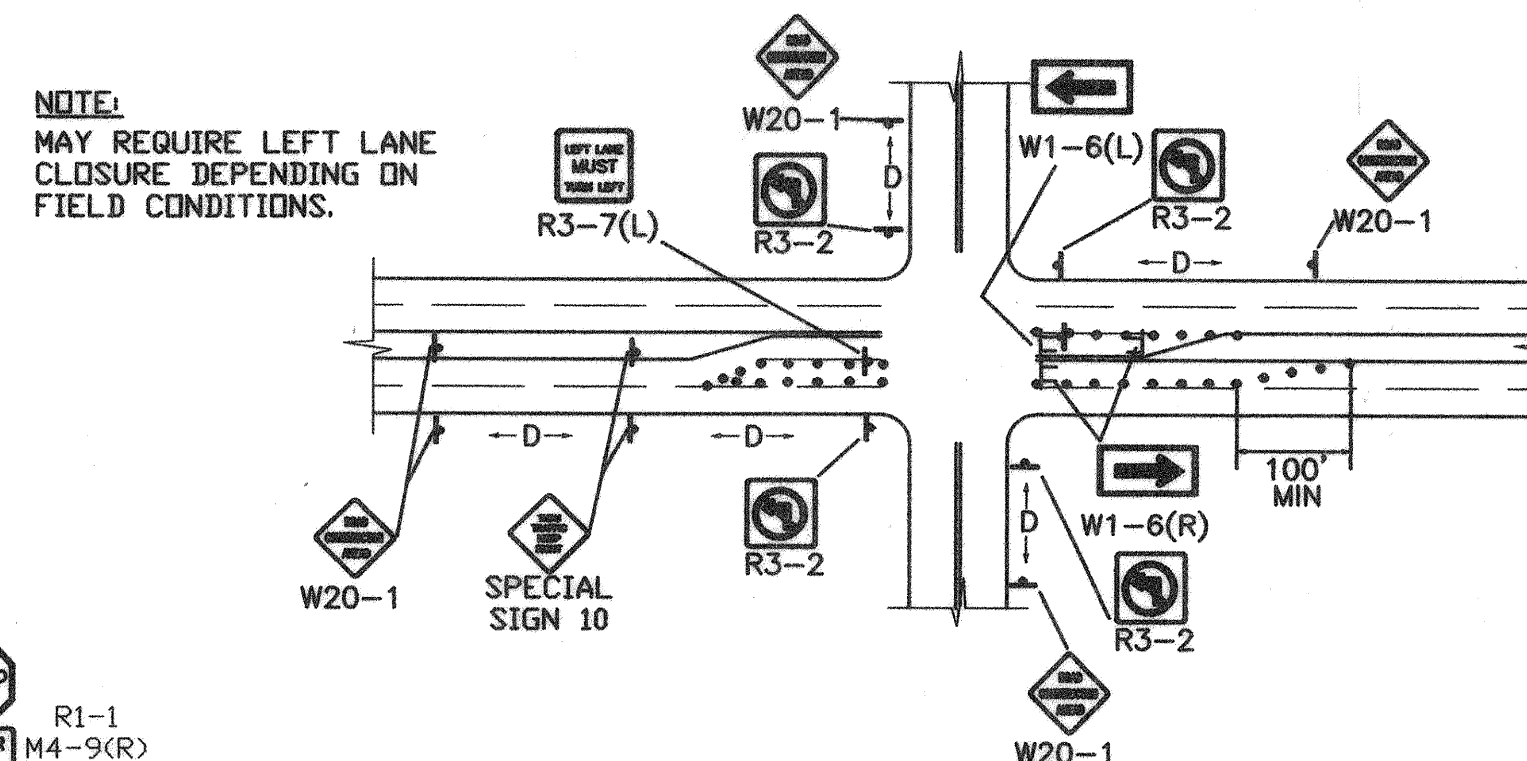
1. THE OFFSET DISTANCE MUST BE CALCULATED IN ALL SHIFTING TAPERS. THE
1/2 L IS THE DISTANCE FROM THE INCLUDE LANE WIDTHS PLUS MEDIAN WIDTHS.
2. REVERSE CURVES MAY BE IMPLEMENTED. CURVE DATA SHALL BE CALCULATED.
3. MEDIAN REMOVAL SHALL BE REQUIRED IF 1/2 L OR REVERSE CURVE IS NOT
SUFFICIENT. MEDIAN REMOVAL 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.

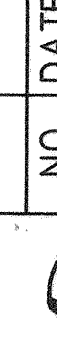


GENERAL NOTE

GENERAL NOTE:
ALL CONSTRUCTION WARNING
SIGNS SHALL HAVE A BLACK
LEGEND ON A ORANGE
BACKGROUND.

△ ALL ADVANCE WARNING SIGNS SHALL BE A MINIMUM OF 36" THIRTY SIX INCHES BY 36" THIRTY SIX INCHES IN SIZE AND SHALL HAVE ONE WARNING LIGHT.



AREA SEWER, IMPROVEMENTS AND SIGNING	Mo./Day/Yr.			ENGINEER'S SEAL	SURVEY INFORMATION			BENCH MARKS	AS BUILT INFORMATION			
					FIELD NOTES							
					NO.	BY	DATE		CONTRACTOR			
									WORK STARTED BY	DATE		
									ACCEPTANCE BY	DATE		
									FIELD LOCATION BY	DATE		
									DRAWINGS CORRECTED BY	DATE		
									MICRO-FILM INFORMATION			
									RECORDED BY	DATE		
									NO.			
SECTION S	Mo./Day/Yr.		REMARKS		BY							
SECTION S	Mo./Day/Yr.		DESIGNED BY		DATE	- 1/04						
			DRAWN BY		DATE	- 1/04						
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