

CITY OF ALBUQUERQUE

Planning Department
Brennon Williams, Director



Mayor Timothy M. Keller

May 27, 2021

Diane Hoelzer, P.E.
Mark Goodwin & Associates
PO Box 90606
Albuquerque, NM 87199

RE: Ceja Vista Unit 1
Engineer's Certification Date: 05/21/21
Engineer's Stamp Date: 10/04/19
Hydrology File: P09D002F
CPN # 614194

Dear Ms. Hoelzer:

Based on the Certification received 05/21/2021 and site visit on 05/27/21, this certification is approved in support of ROFG/SIA by Hydrology.

If you have any questions, please contact me at 924-3995 or rbrissette@cabq.gov.

Sincerely,

Renée C. Brissette, P.E. CFM
Senior Engineer, Hydrology
Planning Department

PO Box 1293

Albuquerque

NM 87103

www.cabq.gov



City of Albuquerque

Planning Department
Development & Building Services Division

DRAINAGE AND TRANSPORTATION INFORMATION SHEET (REV 6/2018)

Project Title: Valle De Atrisco **Building Permit #:** BP-2017-30394 **Hydrology File #:** P09D002D
DRB#: PR-2018-001345 **EPC#:** **Work Order#:** 614194
Legal Description: Tract A-1-A A-1-B Westland South
City Address: Ceja Vista and Dennis Chavez

Applicant: DBG Properties, LLC **Contact:** Todd Coleman
Address: 2164 Park Place, Portland, OR 97224
Phone#: 269-7481 **Fax#:** **E-mail:** toddcdbgpropertiesllc.com

Other Contact: Mark Goodwin & Associates, PA **Contact:** Diane Hoelzer
Address: PO Box 90606 Albuquerque, NM 87199
Phone#: 505-828-2200 **Fax#:** **E-mail:** diane@goodwinengineers.com

TYPE OF DEVELOPMENT: PLAT (# of lots) RESIDENCE X DRB SITE ADMIN SITE

IS THIS A RESUBMITTAL? X Yes No

DEPARTMENT TRANSPORTATION X HYDROLOGY/DRAINAGE

Check all that Apply:

TYPE OF SUBMITTAL:

- X ENGINEER/ARCHITECT CERTIFICATION
 PAD CERTIFICATION
 CONCEPTUAL G & D PLAN
 GRADING PLAN
 DRAINAGE REPORT
 DRAINAGE MASTER PLAN
 FLOODPLAIN DEVELOPMENT PERMIT APPLIC
 ELEVATION CERTIFICATE
 CLOMR/LOMR
 TRAFFIC CIRCULATION LAYOUT (TCL)
 TRAFFIC IMPACT STUDY (TIS)
 STREET LIGHT LAYOUT
 OTHER (SPECIFY)
 PRE-DESIGN MEETING?

TYPE OF APPROVAL/ACCEPTANCE SOUGHT:

- BUILDING PERMIT APPROVAL
X CERTIFICATE OF OCCUPANCY
 PRELIMINARY PLAT APPROVAL
 SITE PLAN FOR SUB'D APPROVAL
 SITE PLAN FOR BLDG. PERMIT APPROVAL
 FINAL PLAT APPROVAL
X SIA/ RELEASE OF FINANCIAL GUARANTEE
 FOUNDATION PERMIT APPROVAL
 GRADING PERMIT APPROVAL
 SO-19 APPROVAL
 PAVING PERMIT APPROVAL
X GRADING/ PAD CERTIFICATION
 WORK ORDER APPROVAL
 CLOMR/LOMR
 FLOODPLAIN DEVELOPMENT PERMIT
 OTHER (SPECIFY)

DATE SUBMITTED: 05/21/2021 **By:** DIANE HOELZER, PE

COA STAFF:

ELECTRONIC SUBMITTAL RECEIVED:

FEE PAID:

CONSTRUCTION PLANS
FOR
VALLE DE ATRISCO
ON-SITE INFRASTRUCTURE
ALBUQUERQUE, NEW MEXICO

I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., a Registered 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 and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by David P. Acosta, NMPS number 21082.

Mark Goodwin 9/2/20
Mark Goodwin NMPE 8948 Date



SURVEYOR'S CERTIFICATE

I, DAVID P. ACOSTA, NEW MEXICO PROFESSIONAL SURVEYOR NO. 21082, DO HEREBY CERTIFY THAT THIS AS-BUILT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WAS PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION. MEETS THE MINIMUM REQUIREMENTS FOR MONUMENTATION, SHOWS ALL EASEMENTS ON SUBJECT TRACT(S) AS SHOWN ON THE PLAT OF RECORD OR MADE KNOWN TO ME BY THE OWNER(S), UTILITY COMPANIES OR OTHER PARTIES EXPRESSING AN INTEREST. MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND SURVEYORS EFFECTIVE MAY 1, 2007, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

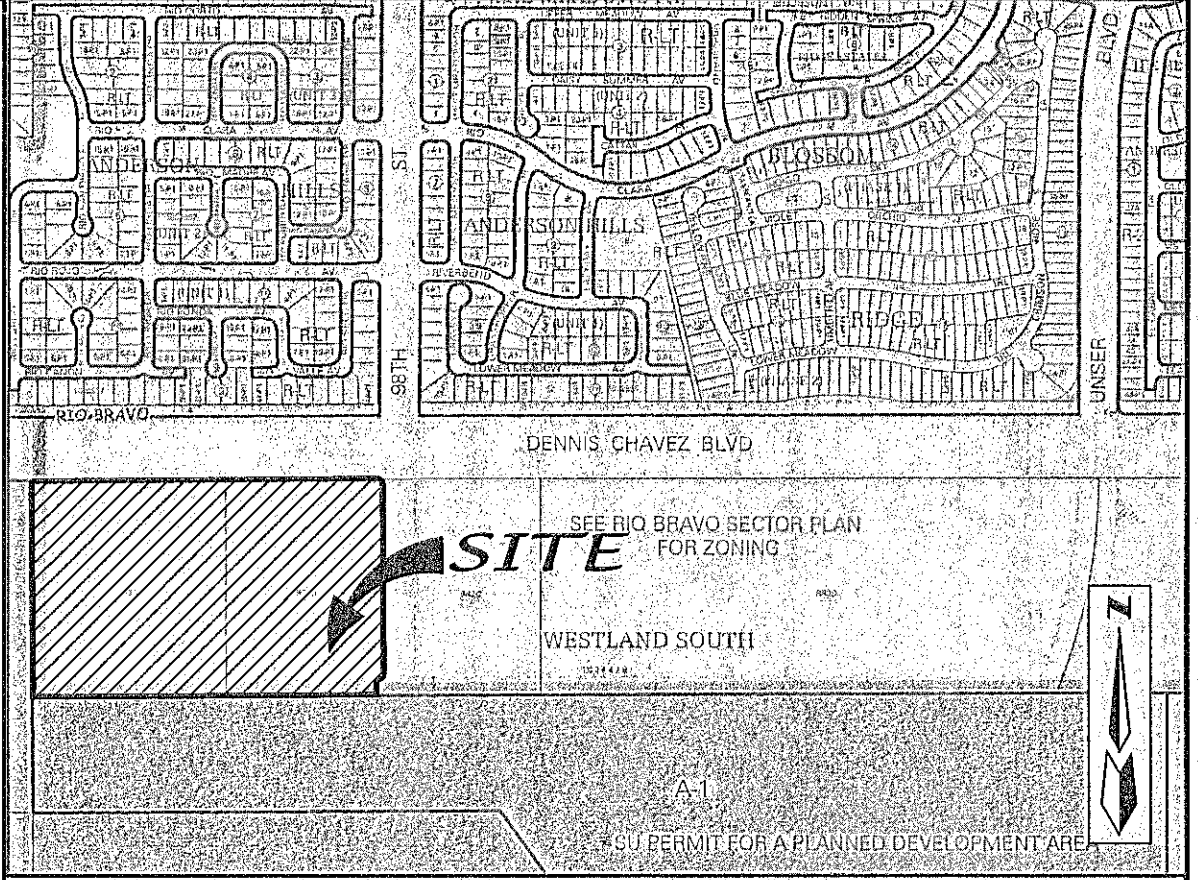
David P. Acosta 08-13-2020
DAVID P. ACOSTA, NMPS NO. 21082 DATE

INDEX TO DRAWINGS

SHEET NO.	SHEET
1	TITLE SHEET
2-3	FINAL PLAT
4.1-4.3	GRADING AND DRAINAGE PLAN
5	MASTER PAVING PLAN
6	PAVING P&P ONSITE
7	MASTER UTILITY PLAN
8	UTILITY P&P BASELINE A&D
9	UTILITY P&P BASELINE B&E
10	UTILITY P&P BASELINE C&F
11	UTILITY P&P TRACT RR-3-A-1 & RR-3-A-2
12	UTILITY P&P CEJA VISTA ROAD (FOR INFORMATION ONLY)
13	UTILITY P&P TRACT RR-3-A-1 AND RR-3-A-2
14	OMITTED
15	TRACE WIRE DETAILS (ABCWUA)

(RELATED PROJECT CPN 614193)

DRB NO. 1004428



VICINITY MAP: ZONE ATLAS P-9-Z
SCALE: N.T.S.

GENERAL NOTES
NOTICE TO CONTRACTORS

1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER 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 EDITION AS REVISED THROUGH UPDATE 9.
3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
4. 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 ENGINEER IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
5. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY THE CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
6. ALL WORK AFFECTING ARTERIAL ROADWAYS MAY REQUIRE TWENTY-FOUR HOUR CONSTRUCTION.
7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS WAS EXISTING, OR AS INDICATED BY THIS PLAN SET.
8. CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAVE BEEN RECORDED.
10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
11. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT http://www.abqwater.org/Water_ShutOff_and_Turn_on_Procedures.aspx.
12. RCP SHALL BE INSTALLED SO THAT THE JOINT GAP AT THE HOME POSITION SHALL CONFORM TO THE APPROVED MANUFACTURER'S RECOMMENDATIONS. MANUFACTURER'S RECOMMENDED JOINT GAP TOLERANCES FOR EACH PIPE SIZE AND TYPE SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PRIOR TO PLACEMENT OF PIPE. RCP JOINTS SHALL NOT BE GROUTED UNLESS DIRECTED BY THE ENGINEER AFTER CITY APPROVAL.
13. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
14. ELECTRONIC MARKER DEVICES (EMD) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE AMENDMENT #9.
15. PRIVATE STREETS REQUIRE STREET NAME SIGNS, STOP SIGNS, AND ANY NECESSARY STRIPING (DEVELOPER'S RESPONSIBILITY).
16. CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB & GUTTER, SIGNAGE, HANDICAP RAMPS AND SIDEWALK DURING CONSTRUCTION. PARTIAL SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER CITY OF ALBUQUERQUE STANDARDS, AT HIS OWN EXPENSE.
17. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
18. TWO WEEKS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHOULD NOTIFY THE TRANSIT DEPARTMENT OF ANY IMPACT THE PROPOSED PROJECT WILL HAVE ON THE TRANSIT SYSTEM SUCH AS CAUSING A DETOUR, OR CAUSE THE CLOSING OR RELOCATION OF A BUS STOP. THE CONTACT PERSON IS DOUGLAS GOFF, OFFICE PHONE IS 505-724-3137, CELL PHONE IS 505-206-0151, AND E-MAIL dgoff@abq.gov.

NOTE:
CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.

CAUTION:
NOTE THAT ALL EXISTING UTILITIES MAY NOT BE SHOWN. ALL EXISTING SERVICE CONNECTIONS ARE NOT SHOWN. ANY EXISTING UTILITIES THAT ARE SHOWN ARE APPROXIMATE LOCATION ONLY. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT ALL THE UTILITY OWNERS AND TO CONDUCT ALL NECESSARY FIELD INVESTIGATIONS PRIOR TO ANY EXCAVATIONS TO DETERMINE THE ACTUAL LOCATION OF UTILITIES AND OTHER IMPROVEMENTS. DISTURBANCE OF EXISTING UTILITIES SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

dmg D. MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P. O. BOX 90806
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9539

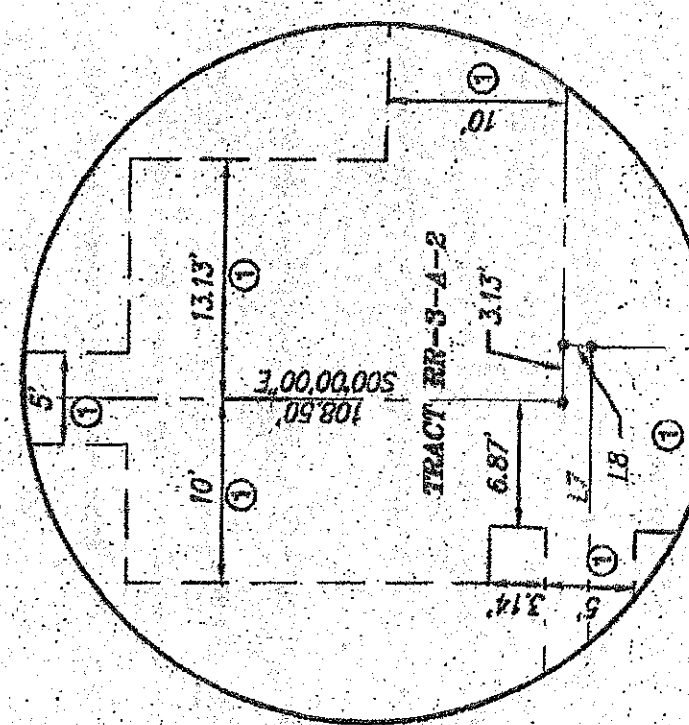
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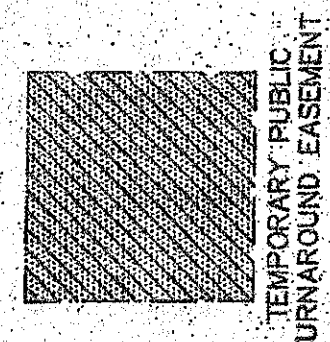
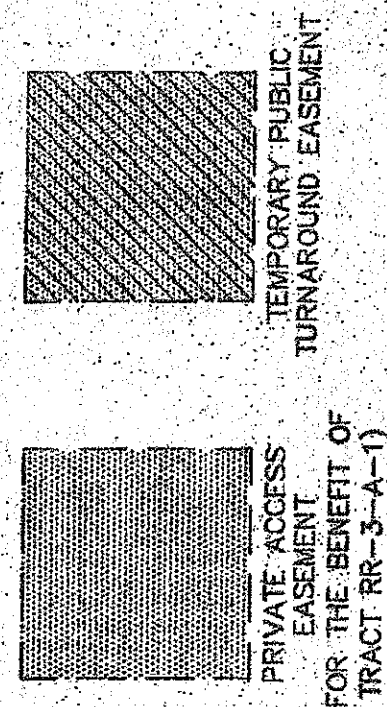
PLAT FOR
WESTLAND SOUTH
TRACTS RR-3-A-1 AND RR-3-A-2
WITHIN THE
TOWN OF ATRISCO GRANT
PROJECTED SECTION 9
TOWNSHIP 9 NORTH, RANGE 2 EAST, NMPM
CITY OF ALBUQUERQUE
BERNALILLO COUNTY, NEW MEXICO
JUNE, 2018

DOCH 2018060107
SUT 11/15/18 8:13 AM
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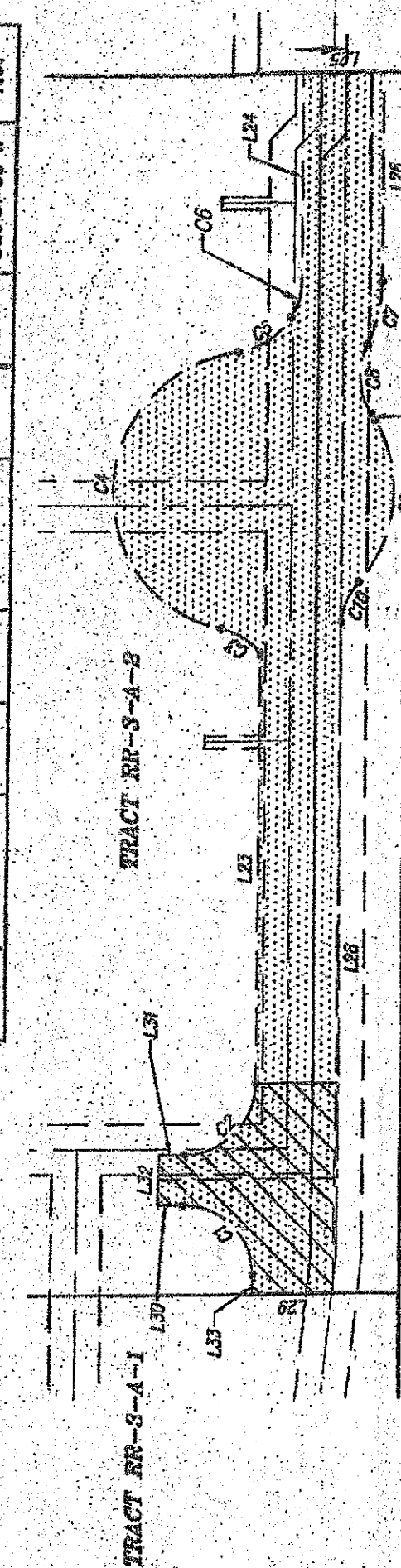
1. All waterline and sanitary sewer easements are granted to A.B.C.W.U.A.
2. All drainage easements are granted to the City of Albuquerque



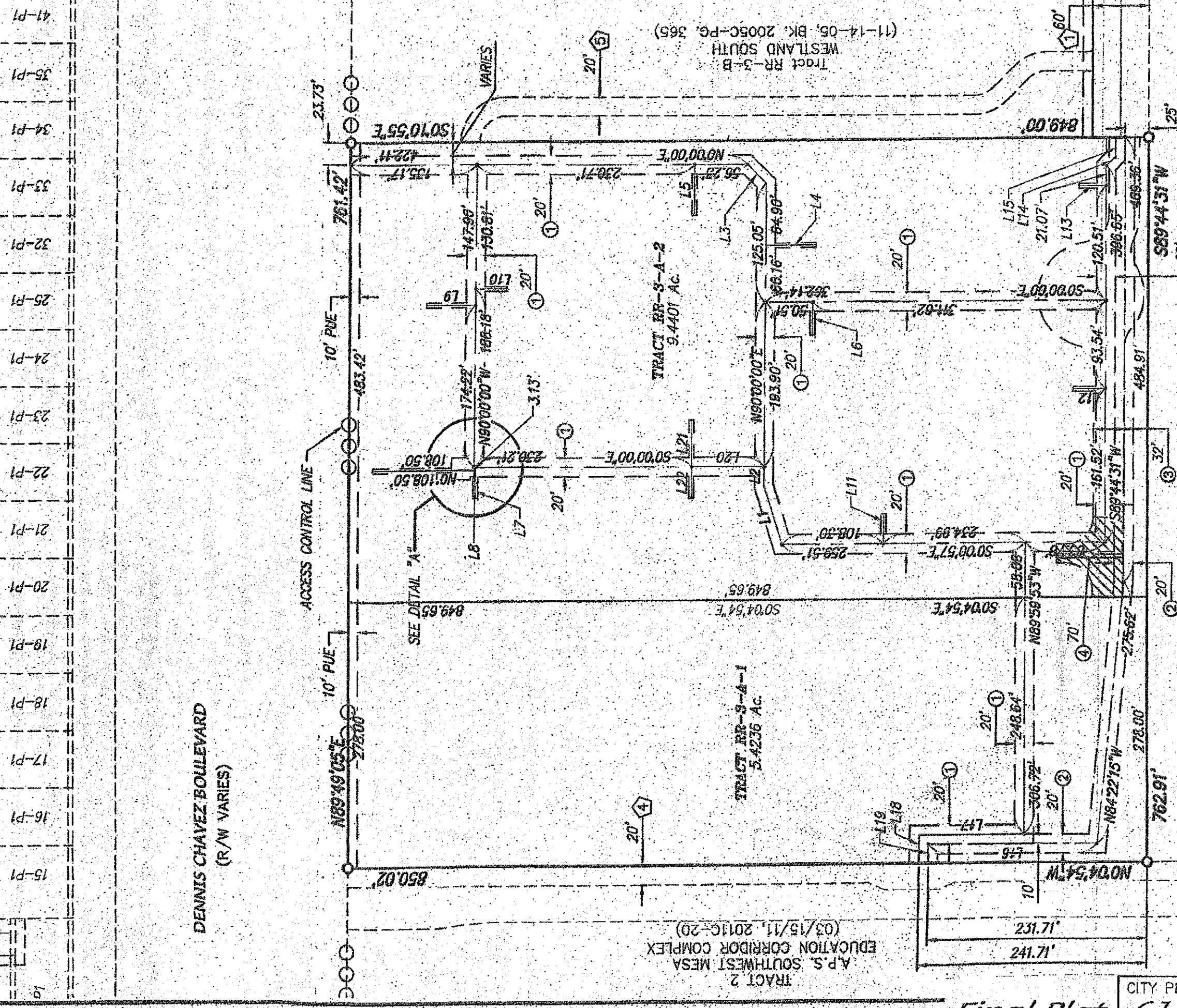
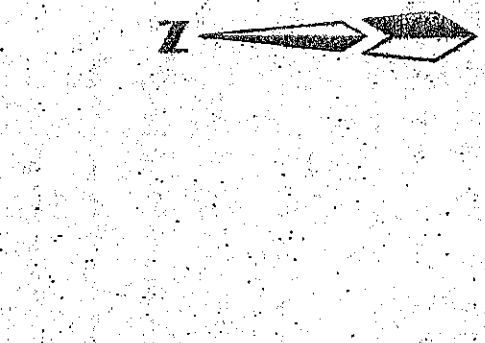
NEW PUBLIC WATERLINE EASEMENT - (1)
SCALE: 1" = 10'



Line Table			Line Table			Line Table		
Line #	Bearing	Length	Line #	Bearing	Length	Line #	Bearing	Length
L1	N71°51'14"E	64.45	L12	N07°15'28"W	24.11	L23	S89°57'50"W	170.58
L2	N80°00'00"E	20.41	L13	N07°00'00"E	28.15	L24	S89°44'31"W	52.22
L3	N45°00'00"E	28.82	L14	N45°12'28"W	14.14	L25	N07°00'00"E	32.00
L4	N45°00'00"E	53.05	L15	S89°44'31"W	20.18	L26	N89°44'31"E	52.18
L5	S80°00'00"E	53.00	L16	N07°00'00"E	176.41	L27	N89°45'27"E	3.04
L6	N80°00'00"W	35.00	L17	N07°00'00"E	111.50	L28	N89°57'50"E	288.82
L7	N80°00'00"W	33.02	L18	S89°48'02"W	28.50	L29	S00°04'54"E	32.00
L8	S00°00'00"E	1.63	L19	S89°48'02"W	18.47	L30	N07°00'00"E	10.00
L9	S00°00'00"E	52.15	L20	S07°00'00"E	71.18	L31	S07°00'00"E	10.00
L10	S07°00'00"E	33.01	L21	N80°00'00"E	48.00	L32	N89°57'50"E	20.00
L11	N80°00'00"W	30.85	L22	N80°00'00"E	33.00	L33	S89°57'50"W	7.91

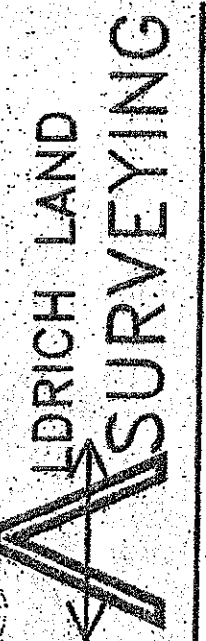


Curve Table				Curve Table			
Curve #	Radius	Delta	Ch Direction	Length	Delta	Ch Direction	Length
(1)	28.00'	43.98'	090°00'00"	28.00'	N45°57'51"E	38.00'	38.00'
(2)	28.00'	43.98'	090°00'00"	28.00'	S45°02'10"E	38.00'	38.00'
(3)	28.00'	18.07'	039°01'24"	8.82'	S31°48'28"W	18.70'	18.70'
(4)	56.00'	172.53'	161°10'53"	532.80'	N87°05'18"W	170.48'	170.48'
(5)	25.76'	65.58'	111.67'	111.67'	N89°48'57"W	24.85'	24.85'
(6)	25.31'	18.88'	17.65'	17.65'	S31°48'28"W	18.70'	18.70'
(7)	60.00'	28.00'	090°00'00"	28.00'	N45°57'51"E	38.00'	38.00'
(8)	28.00'	43.98'	090°00'00"	28.00'	S45°02'10"E	38.00'	38.00'
(9)	56.00'	63.01'	070°58'42"	30.85'	S55°01'48"E	64.23'	64.23'
(10)	30.85'	17.65'	632°56'55"	9.07'	S66°57'25"E	17.39'	17.39'

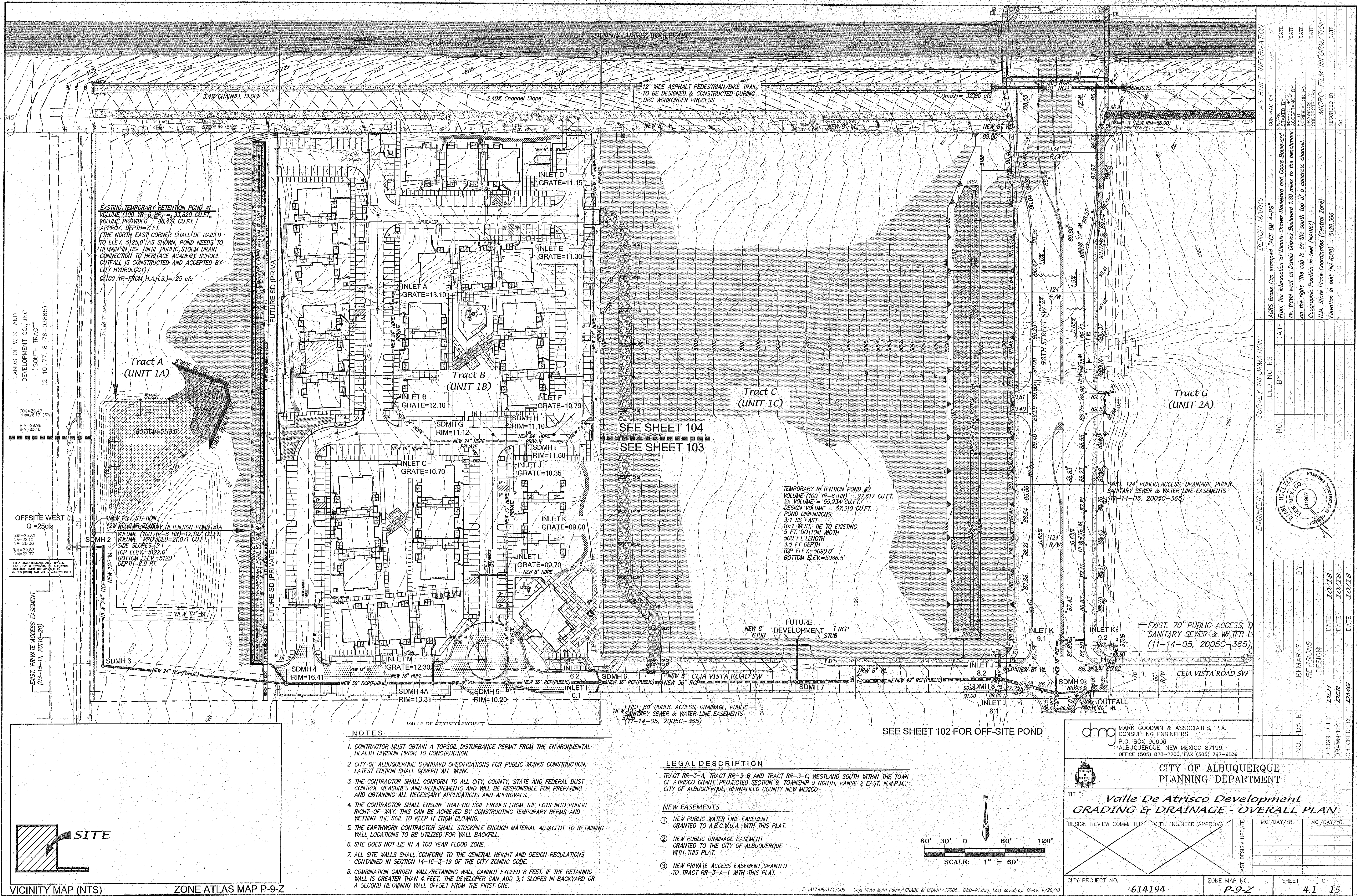


- NEW EASEMENTS
1. NEW PUBLIC WATER LINE EASEMENT GRANTED TO A.B.C.W.U.A. WITH THIS PLAT.
 2. NEW PUBLIC DRAINAGE EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE WITH THIS PLAT.
 3. NEW PRIVATE ACCESS EASEMENT GRANTED TO TRACTS RR-3-A-1, WITH THIS PLAT.
 4. NEW TEMPORARY PUBLIC TURNAROUND EASEMENT WITH THIS PLAT.

- EXISTING EASEMENTS
1. EXISTING PUBLIC ACCESS, DRAINAGE, SANITARY, SEWER AND WATER LINE EASEMENTS (11-14-05, BK. 2005C-PG. 565)
 2. EXIST. PRIVATE ACCESS EASEMENT (03-18-11, 2010C-20)
 3. EXIST. 20' A.B.C.W.U.A. EASEMENT (09-18-08, 2008103542)
 4. EXIST. 20' PUBLIC EMERGENCY ACCESS EASEMENT (BY SEPARATE DOCUMENT)



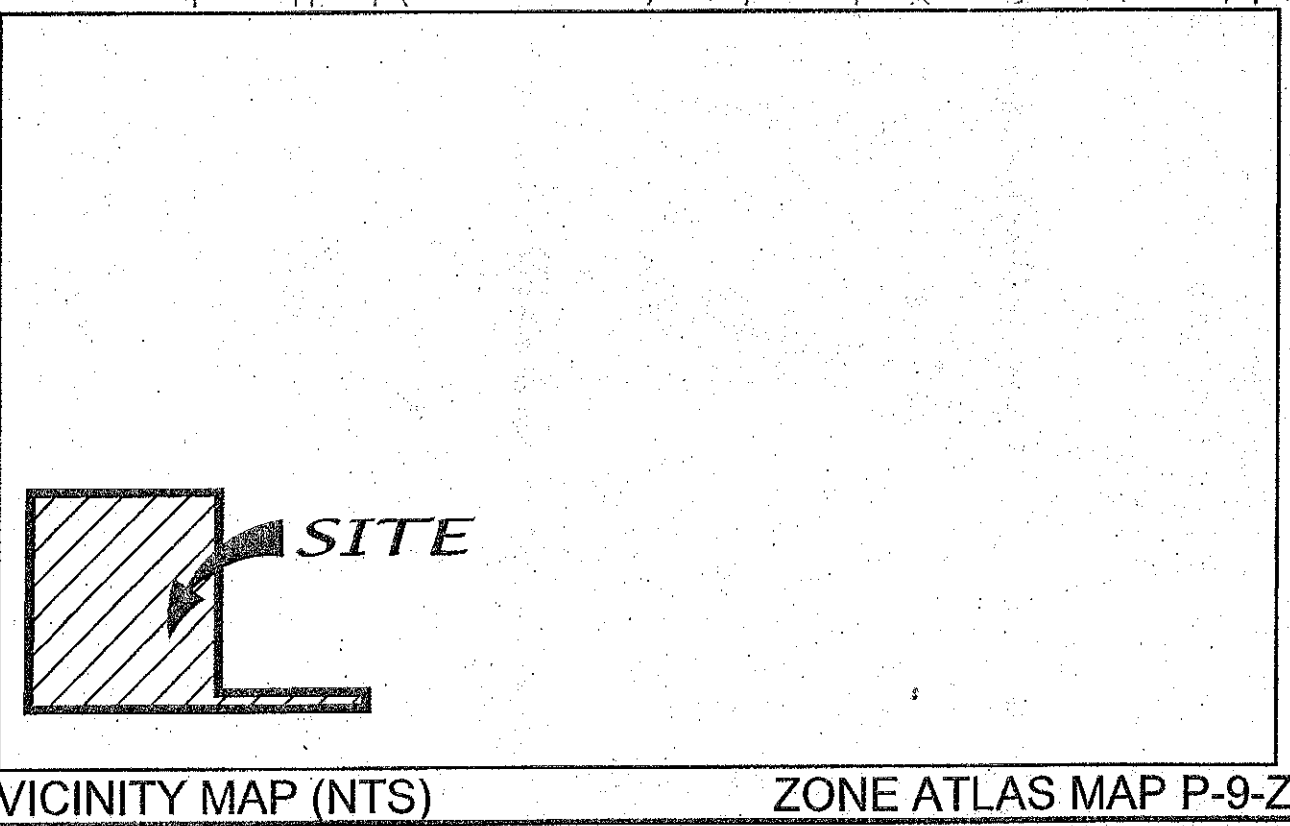
P.O. BOX 30701, ALBUQUERQUE, N.M. 87190
505-884-1990



LANDS OF WESTLAND
DEVELOPMENT CO., INC
"SOUTH TRACT"
(2-10-77, 8-76-03866)

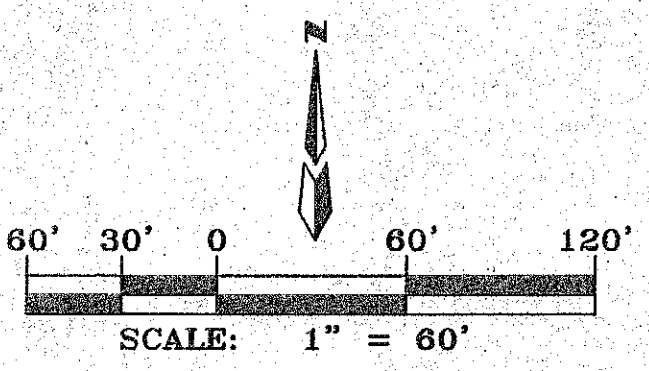
OFFSITE WEST
Q=25cfs
TOP=29.30
RIM=29.30
INV=29.30

EXIST. PRIVATE ACCESS EASEMENT
(03-15-11, 2011C-20)



- NOTES**
- CONTRACTOR MUST OBTAIN A TOPSOIL DISTURBANCE PERMIT FROM THE ENVIRONMENTAL HEALTH DIVISION PRIOR TO CONSTRUCTION.
 - CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION SHALL GOVERN ALL WORK.
 - THE CONTRACTOR SHALL CONFORM TO ALL CITY, COUNTY, STATE AND FEDERAL DUST CONTROL MEASURES AND REQUIREMENTS AND WILL BE RESPONSIBLE FOR PREPARING AND OBTAINING ALL NECESSARY APPLICATIONS AND APPROVALS.
 - THE CONTRACTOR SHALL ENSURE THAT NO SOIL ERODES FROM THE LOTS INTO PUBLIC RIGHT-OF-WAY. THIS CAN BE ACHIEVED BY CONSTRUCTING TEMPORARY BERMS AND WETTING THE SOIL TO KEEP IT FROM BLOWING.
 - THE EARTHWORK CONTRACTOR SHALL STOCKPILE ENOUGH MATERIAL ADJACENT TO RETAINING WALL LOCATIONS TO BE UTILIZED FOR WALL BACKFILL.
 - SITE DOES NOT LIE IN A 100 YEAR FLOOD ZONE.
 - ALL SITE WALLS SHALL CONFORM TO THE GENERAL HEIGHT AND DESIGN REGULATIONS CONTAINED IN SECTION 14-16-3-19 OF THE CITY ZONING CODE.
 - COMBINATION GARDEN WALL/RETAINING WALL CANNOT EXCEED 8 FEET. IF THE RETAINING WALL IS GREATER THAN 4 FEET, THE DEVELOPER CAN ADD 3:1 SLOPES IN BACKYARD OR A SECOND RETAINING WALL OFFSET FROM THE FIRST ONE.

- LEGAL DESCRIPTION**
- TRACT RR-3-A, TRACT RR-3-B AND TRACT RR-3-C, WESTLAND SOUTH WITHIN THE TOWN OF ATRISCO GRANT, PROJECTED SECTION 9, TOWNSHIP 9 NORTH, RANGE 2 EAST, N.M.P.M., CITY OF ALBUQUERQUE, BERNALILLO COUNTY NEW MEXICO
- NEW EASEMENTS**
- NEW PUBLIC WATER LINE EASEMENT GRANTED TO A.B.C.W.U.A. WITH THIS PLAT.
 - NEW PUBLIC DRAINAGE EASEMENT GRANTED TO THE CITY OF ALBUQUERQUE WITH THIS PLAT.
 - NEW PRIVATE ACCESS EASEMENT GRANTED TO TRACT RR-3-A-1 WITH THIS PLAT.



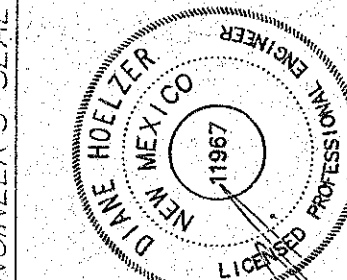
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90508
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

**CITY OF ALBUQUERQUE
PLANNING DEPARTMENT**

TITLE: **Valle De Atrisco Development
GRADING & DRAINAGE - OVERALL PLAN**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.

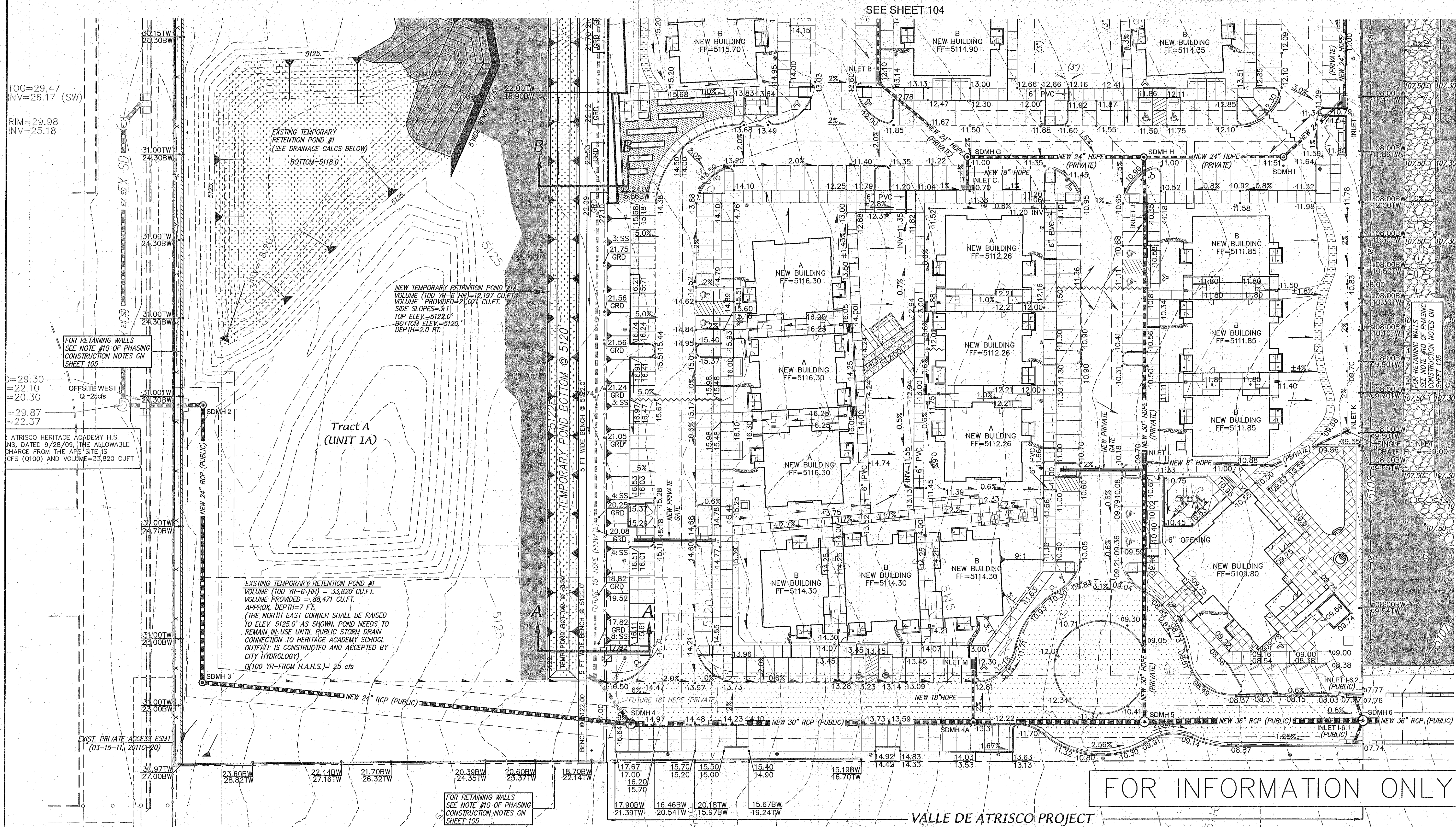
CITY PROJECT NO. **614194** ZONE MAP NO. **P-9-Z** SHEET **4.1** OF **15**



ENGINEER'S SEAL		REVISIONS	
NO.	DATE	BY	DATE

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	BY	DATE	CONTRACTOR	DATE

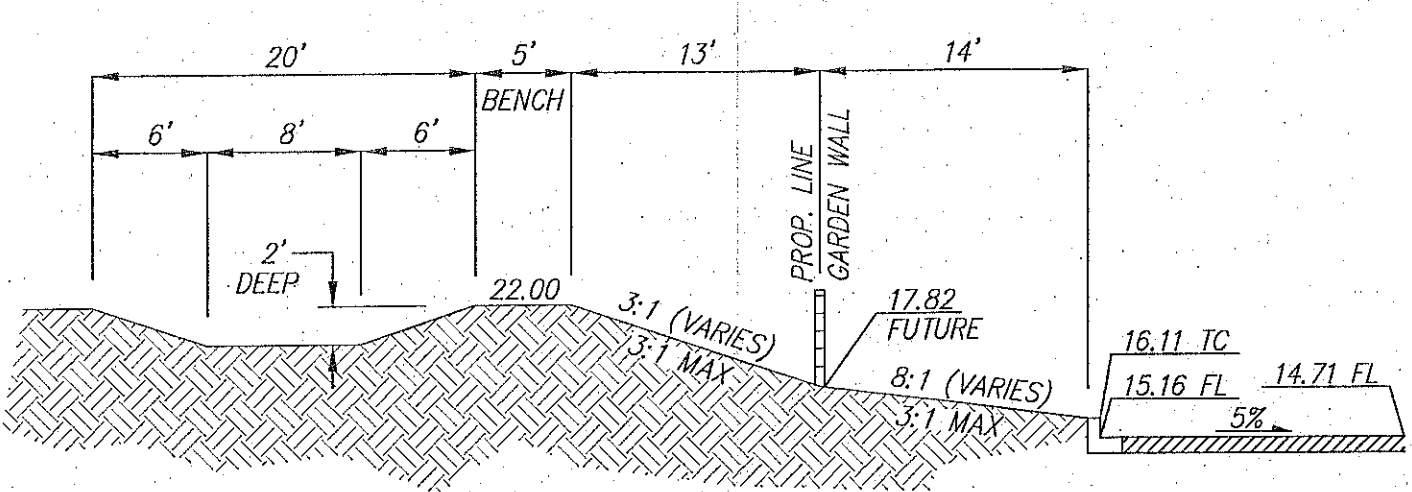
AGRS Brass Cap stamped "ACS BM 4-Pg"
From the intersection of Dennis Chavez Boulevard and Ceja Vista Road SW, travel west on Dennis Chavez Boulevard 1.80 miles to the benchmark on the right. The cap is on the south top of a concrete channel.
Geographic Position in feet (NAD83)
N.M. State Plane Coordinates (Central Zone)
Elevation in feet (NAVD83) = 5129.396



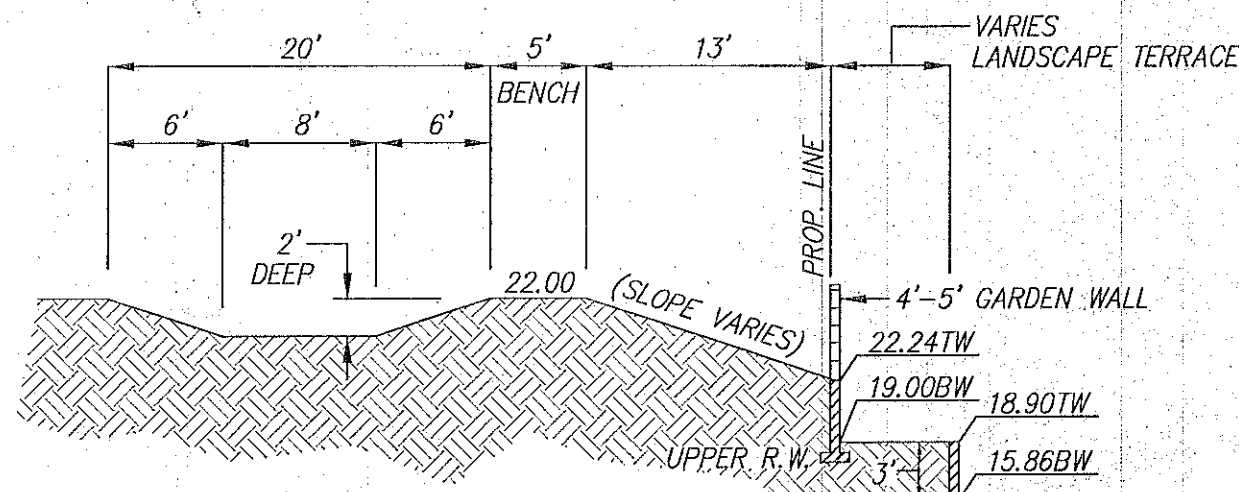
FOR INFORMATION ONLY

VALLE DE ATRISCO PROJECT

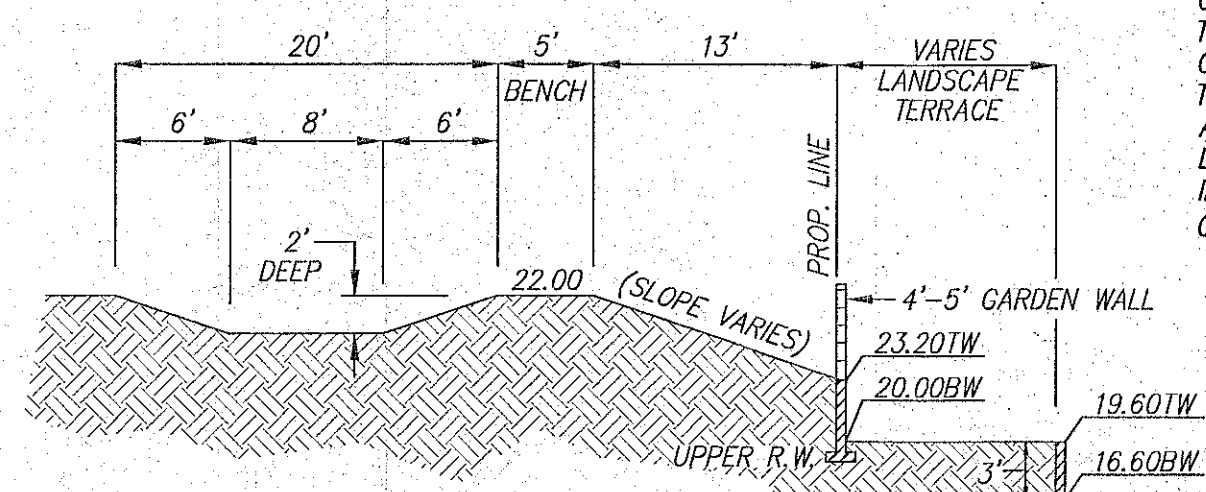
NOTE:
GARDEN WALL SHALL BE 4'-5", BUT AT NO TIME SHALL THE GARDEN WALL AND RETAINING WALL COMBINATION BE GREATER THAN 8.0 FEET. IF THIS OCCURS, THE GARDEN WALL WILL BE OFFSET AND SEPARATE FROM RETAINING WALL. THE UPPER AND LOWER RETAINING WALL ACTUAL HEIGHTS MAY VARY, DEPENDING ON LANDSCAPE PLAN, BUT AT ALL TIME SHALL BE IN COMPLIANCE WITH RESTRICTION OF COMBINED GW/RW HEIGHT.



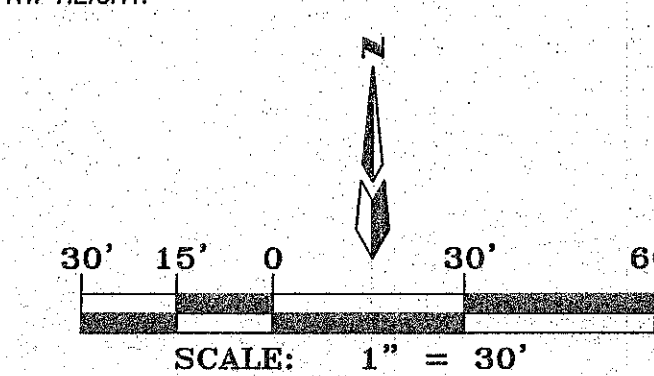
POND DETAIL SECTION A-A
SCALE: 1"=10'



POND DETAIL SECTION B-B
SCALE: 1"=10'



POND DETAIL SECTION C-C
SCALE: 1"=10'



MARK GOODWIN & ASSOCIATES, P.A.
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ALBUQUERQUE, NEW MEXICO 87199
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CITY OF ALBUQUERQUE
PLANNING DEPARTMENT

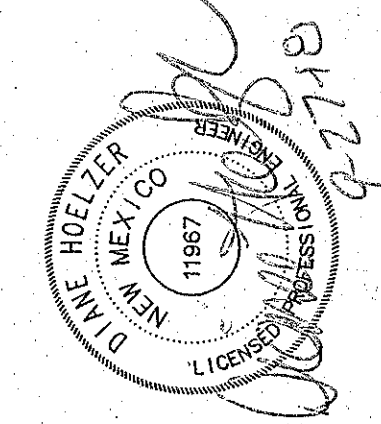
TITLE: **Valle De Atrisco Development
GRADING & DRAINAGE PLAN (SOUTH)**

DESIGN REVIEW COMMITTEE CITY ENGINEER APPROVAL

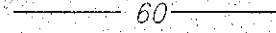
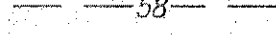

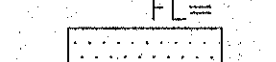


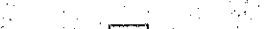

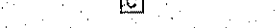

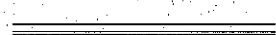


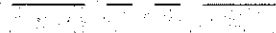






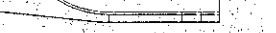


CITY PROJECT NO. **614194** ZONE MAP NO. **P-9-Z** SHEET **424.1** OF **15**

NO.	DATE	REMARKS	BY
DESIGNED BY	DLH	DATE 10/17	
DRAWN BY	ACH	DATE 10/17	
CHECKED BY	DMG	DATE 10/17	

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	NO.	DATE	CONTRACTOR	DATE
				AGRS BRASS CAP STAMPED "ACS BM 4-Pg"	
				FROM THE INTERSECTION OF DENNIS CHAVEZ BOULEVARD AND COORS BOULEVARD SW, TRAVEL WEST ON DENNIS CHAVEZ BOULEVARD 1.80 MILES TO THE BENCHMARK ON THE RIGHT. THE CAP IS ON THE SOUTH TOP OF A CONCRETE CHANNEL.	
				GEOREFERENCE POSITION IN FEET (NAD83)	
				N.M. STATE PLANE COORDINATES (CENTRAL ZONE)	
				ELEVATION IN FEET (NAVD83) = 5123.396	






	EXISTING CONTOUR (MAJOR)
	EXISTING CONTOUR (MINOR)
	EXISTING SPOT ELEVATION
	EXISTING TOP CURB/FLOWLINE ELEVATION
	EXISTING ASPHALT PAVEMENT
	EXISTING ELECTRIC TRANSFORMER
	EXISTING OVERHEAD ELECTRIC LINE
	EXISTING POWER POLE
	EXISTING LIGHT POLE
	EXISTING TRAFFIC SIGNAL PULLBOX
	EXISTING TELEPHONE MANHOLE
	EXISTING CATV PEDESTAL
	EXISTING STORM DRAIN MANHOLE
	NEW STANDARD CURB & GUTTER
	NEW MOUNTABLE CURB & GUTTER
	NEW RIGHT-OF-WAY
	NEW CENTERLINE
	NEW LOT LINES
	NEW EASEMENT
	NEW RETAINING WALLS (BY OTHERS)
	NEW STREET LIGHTS
	NEW BARRICADES
	NEW WHEEL CHAIR RAMPS (THIS PROJECT WITH TRUNCATED DOMES)
	NEW UNI-DIRECTIONAL RAMPS WITH TRUNCATED DOMES PER DETAIL, THIS SHEET
	NEW FULL CROWN

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	DATE	REMARKS	BY	DATE	CONTRACTOR	WORK STARTED BY	DATE
DESIGNED BY DLH	DATE 06/18	REVISIONS DESIGN			AGRS BRASS CAP INTERSECTION OF DENNIS CHAVEZ BOULEVARD AND CORPS FROM THE INTERSECTION OF DENNIS CHAVEZ BOULEVARD AND CORPS BOULEVARD SW, TRAVEL WEST ON DENNIS CHAVEZ BOULEVARD		
DRAWN BY DER	DATE 06/18				1.80 MILES TO THE BENCHMARK ON THE RIGHT. THE CAP IS ON THE SOUTH TOP OF A CONCRETE CHANNEL		
CHECKED BY DMG	DATE 06/18				THE SOUTH TOP OF A CONCRETE CHANNEL GEOGRAPHIC POSITION IN FEET (NAD83) N.M. STATE PLANE COORDINATES (CENTRAL ZONE) ELEVATION IN FEET (NA1080) = 5129.396		

[illegible]

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
MEMPHIS (505) 828-2200 FAX (505) 797-9539

 CITY OF ALBUQUERQUE
PLANNING DEPARTMENT

TITLE: *VALLE DE ATRISCO ON-SITE INFRASTRUCTURE
MASTER PAVING PLAN*

[illegible]

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
614194	P-9-Z	5	15

SEE CPN 614193 FOR
IMPROVEMENTS FOR
DENNIS CHAVEZ BLVD

GENERAL CONSTRUCTION NOTE:
FOR MORE INFORMATION AND DETAILS ON REQUIRED
SIGNING AND STRIPING, REFER TO APPROVED TCL 1.1
PLAN (HYDROLOGY FILE P09D002D) AND SHEET AS50.
IN THE APPROVED VALLE DE ATRISCO BUILDING
PERMIT (BP-2017-30394).

Tract RR-3-A

Tract RR-3-A
(RR3-A-2)

Tract RR-3-B

20' PRIVATE EMERGENCY ACCESS EASEMENT

SECTION B
TYPICAL 26' F-F RESIDENTIAL STREET SECTION
(CEJA VISTA ROAD SW) SCALE: 1" = 5'

I, Mark Goodwin, NMPE #949, of the firm Mark Goodwin & Associates, PA, a Registered Professional Engineer in the State of New Mexico, do hereby certify that 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 and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This certification is based on site inspections by me or personnel under my direct supervision. Information provided by David P. Acosta NMPS number 21987.

Wm. C. Sullivan 9/2/20

Mark Goodwin / NMPE 8948 Date

50' 25' 0 50' 1

SCALE: 1" = 50'

PAVING PLANS\A17005_MASTER PAVING.dwg, Last saved by: Diane, 5/31/2011

PARKING AND SIDEWALK DIMENSIONS

SCALE: 1" = 10'

PARKING AND SIDEWALK DIMENSIONS

SCALE: 1" = 10'

PARKING AND SIDEWALK DIMENSIONS

SCALE: 1" = 10'

PARKING AND SIDEWALK DIMENSIONS

SCALE: 1" = 10'

PARKING DIMENSIONS

SCALE: 1" = 10'

PARKING DIMENSIONS

SCALE: 1" = 10'

EXISTING 20' PUBLIC
DRAINAGE EASEMENT

CUT OFF WALL PER

EXISTING

EXISTING 20' PUBLIC
DRAINAGE EASEMENT

EXISTING 32' F

EXISTING 20"
PUBLIC WATER
LINE EASEMENT

Figure 1. A schematic diagram of the experimental setup. The subject is seated in a chair, viewing a screen. A camera is positioned above the screen. A target is located on the screen. The subject's hand is positioned near the target. The screen displays a visual feedback of the hand position. The camera is connected to a computer, which provides visual feedback to the subject. The subject is instructed to move their hand towards the target. The camera captures the hand position and sends the data to the computer. The computer then displays the hand position on the screen. The subject can see their hand on the screen and adjust their movement accordingly. The camera is also connected to a motor, which provides force feedback to the subject. The motor is connected to the hand. The motor can exert a force on the hand, which the subject can feel. The motor is controlled by the computer. The computer can adjust the force exerted by the motor. The subject can feel the force exerted by the motor and adjust their movement accordingly. The camera and motor are connected to a power source. The power source provides power to the camera and the motor. The power source is connected to a battery. The battery provides power to the camera and the motor. The battery is connected to a power switch. The power switch can turn the camera and the motor on or off. The power switch is connected to the battery. The power switch is controlled by the subject. The subject can turn the camera and the motor on or off. The subject is instructed to move their hand towards the target. The camera captures the hand position and sends the data to the computer. The computer then displays the hand position on the screen. The subject can see their hand on the screen and adjust their movement accordingly. The camera is also connected to a motor, which provides force feedback to the subject. The motor is connected to the hand. The motor can exert a force on the hand, which the subject can feel. The motor is controlled by the computer. The computer can adjust the force exerted by the motor. The subject can feel the force exerted by the motor and adjust their movement accordingly. The camera and motor are connected to a power source. The power source provides power to the camera and the motor. The power source is connected to a battery. The battery provides power to the camera and the motor. The battery is connected to a power switch. The power switch can turn the camera and the motor on or off. The power switch is connected to the battery. The power switch is controlled by the subject. The subject can turn the camera and the motor on or off.

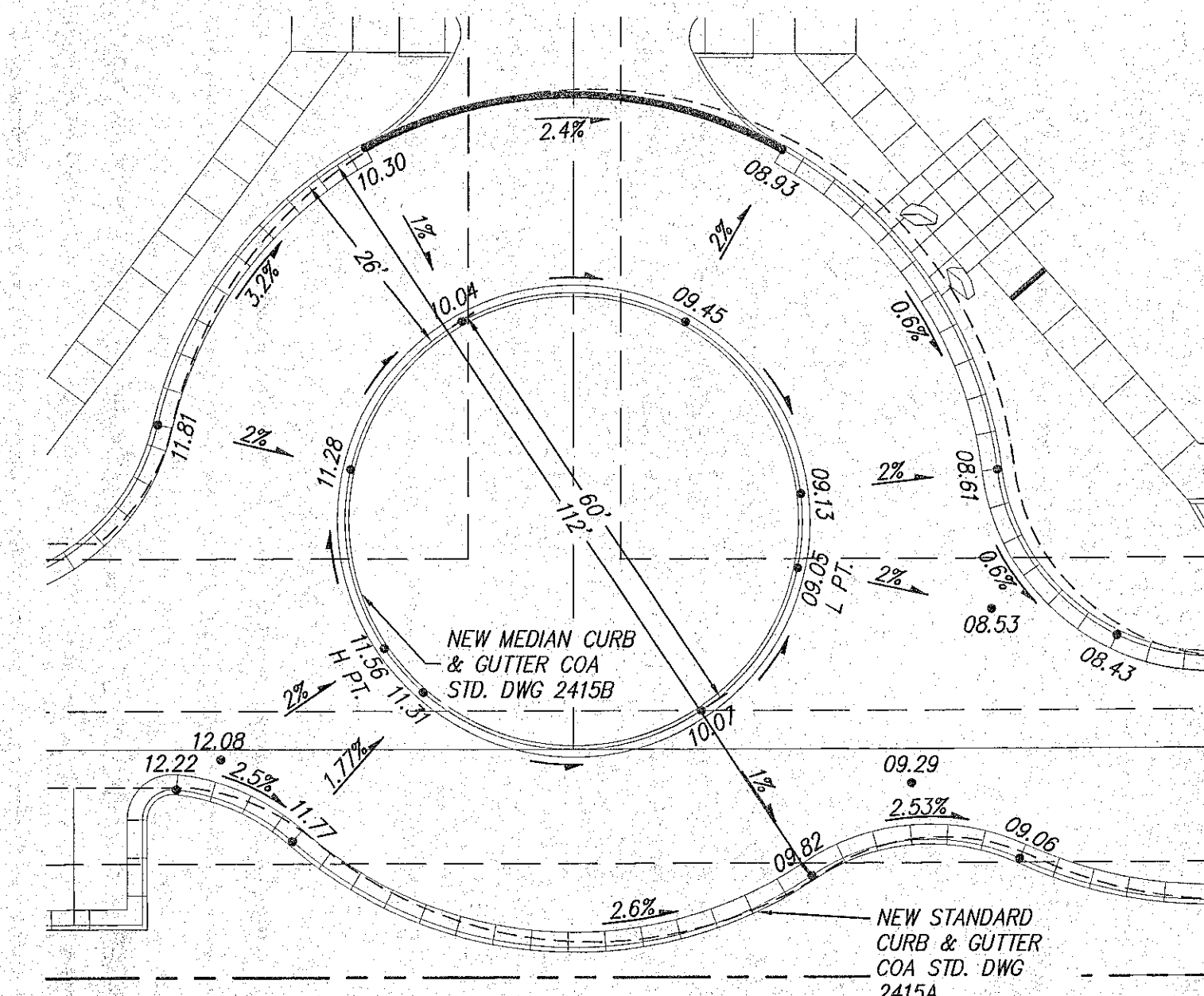
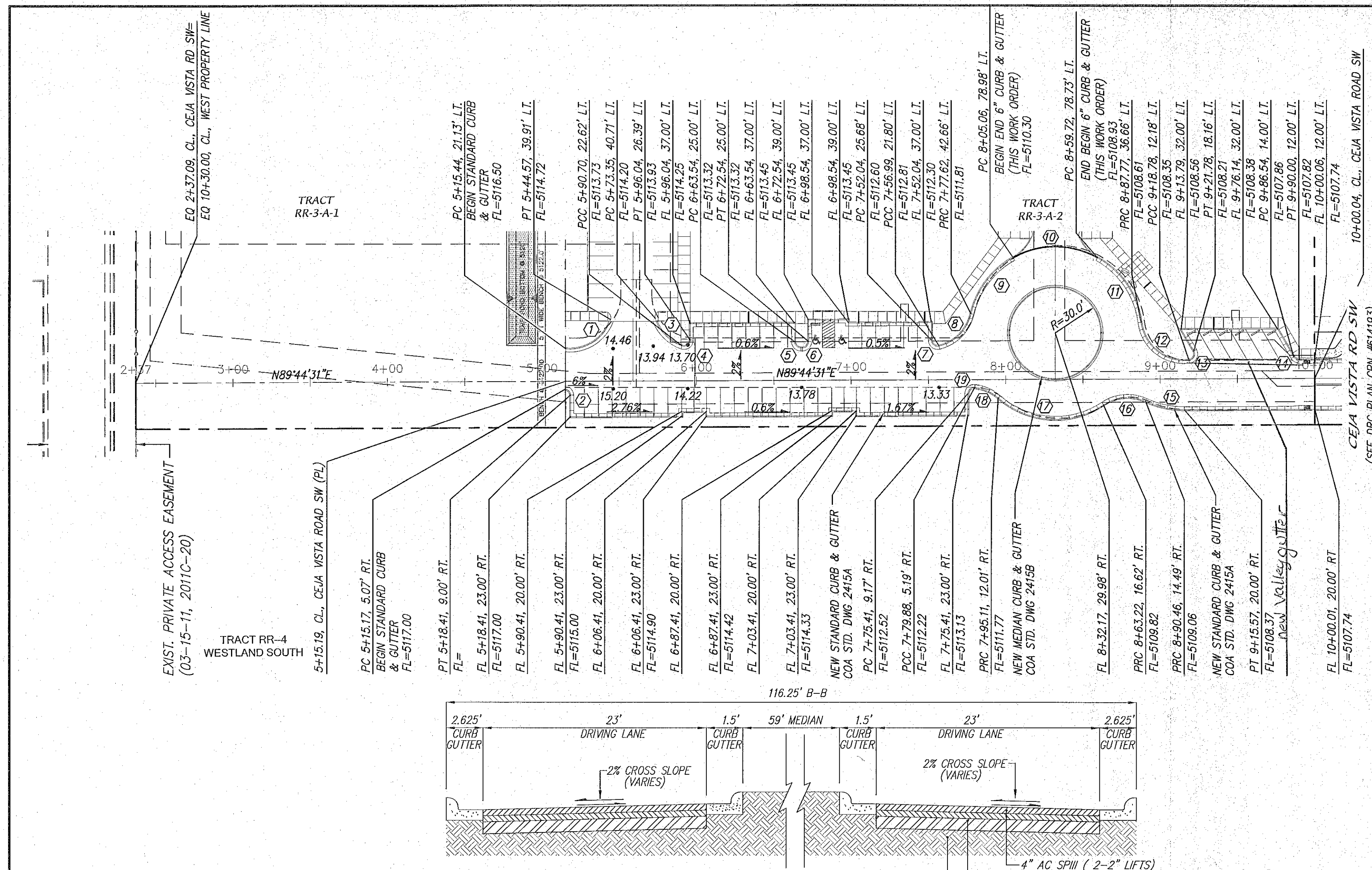
1000

THIS
PROJECT
DRC PLANS
(CPN 614194)

BY OTHERS
SEPARATE
DRC PLANS
(CPN 614193)

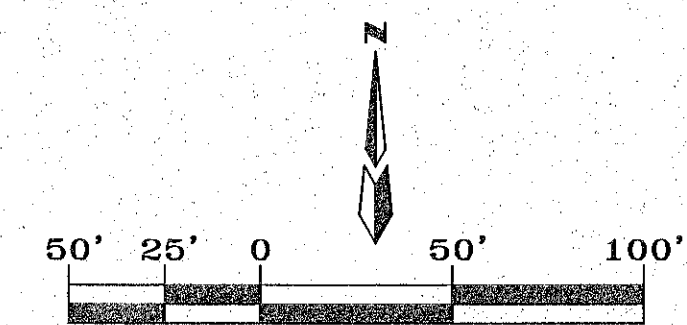
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F:\A17JOBS\A17005 - Ceja Vista Multi Family\PLANS\PAVING\COA DRC 2 PAVING PLANS\A17005 MASTER PAVING.dwg, Last saved by: Diane, 5/31/18



ROUND ABOUT DETAIL

SCALE: 1"=20'



SCALE: 1" = 50'
VALLE DE ATRISCO ENTRANCE
 STA. 5+15.17 TO STA. 10+00.04
 SCALE: HORZ. 1" = 50'
 VERT. 1" = 10'

NOTES

1. ALL STATIONING IS BASED ON THE CENTERLINE OF CEJA VISTA ROAD 60' RIGHT-OF-WAY.

CURVE DATA - DESCRIBES FLOWLINE

①	$\Delta = 95^{\circ}11'06''$ L=46.52 R=28.00 Tan=30.66	②	$\Delta = 79^{\circ}04'24''$ L=5.52 R=4.00 Tan=3.30	③	$\Delta = 70^{\circ}39'28''$ L=34.53 R=28.00 Tan=19.85
④	$\Delta = 109^{\circ}36'01''$ L=1.63 R=4.00 Tan=5.67	⑤	$\Delta = 90^{\circ}00'00''$ L=6.28 R=4.00 Tan=4.00	⑥	$\Delta = 90^{\circ}00'00''$ L=6.28 R=4.00 Tan=4.00
⑦	$\Delta = 103^{\circ}42'57''$ L=7.41 R=4.00 Tan=5.09	⑧	$\Delta = 63^{\circ}11'54''$ L=30.89 R=28.00 Tan=17.23	⑨	$\Delta = 47^{\circ}57'24''$ L=46.87 R=56.00 Tan=24.91
⑩	$\Delta = 58^{\circ}25'51''$ L=57.11 R=56.00 Tan=31.32	⑪	$\Delta = 53^{\circ}40'36''$ L=52.46 R=28.00 Tan=28.33	⑫	$\Delta = 89^{\circ}43'38''$ L=43.85 R=28.00 Tan=27.87
⑬	$\Delta = 113^{\circ}25'21''$ L=1.92 R=4.00 Tan=6.09	⑭	$\Delta = 60^{\circ}00'00''$ L=4.19 R=4.00 Tan=2.31	⑮	$\Delta = 24^{\circ}44'18''$ L=25.91 R=60.00 Tan=13.16
⑯	$\Delta = 58^{\circ}24'53''$ L=28.00 Tan=15.65	⑰	$\Delta = 75^{\circ}06'08''$ L=73.40 R=56.00 Tan=43.05	⑱	$\Delta = 34^{\circ}40'05''$ L=16.94 R=28.00 Tan=8.74
⑲	$\Delta = 96^{\circ}45'38''$ L=6.76 R=4.00 Tan=4.50				

ROUNDABOUT SECTION WITH MEDIAN																NAVD 88	
* = CROWN SECTION UNLESS NOTED OTHERWISE ON PLANS (VALLE DE ATRISCO ENTRANCE)																	
5150																	5150
5140																	5140
5130																	5130
5120																	5120
5110																	5110
5100																	5100
5090																	5090
5080																	5080
5070																	5070
	2+00	5130.4 EG	5128.6 EG	5127.3 EG	5125.4 EG	5123.7 EG	5122.7 EG	5121.1 EG	5119.7 EG	5118.2 EG	5116.2 EG	5114.3 EG	5112.9 EG	5109.8 EG	5107.9 EG	5106.3 EG	10+00

6" GRAVEL BASE
12" SUBGRADE PREP
95% COMPACTION, R≥50

5+15.44 LT
FL = 5116.50
5+90.70 LT
FL = 5113.73
7+58.99 LT
FL = 5128.1
9+18.78 LT
FL = 5108.35
10+00.04 LT
FL = 5107.74
5+15.17 RT
FL=5117.00
7+78.88 RT
FL=5112.22
9+15.52 RT
FL=5108.37
10+00.01 RT
FL=5107.74
-3.68% LT
-1.81% RT
-0.75% LT & RT
-55% LT


F:\A16\JOBS\A16044_Cojo Vista Multi Family Project Off-site\PLANS\PAVING\COA PLANS\A16044_COA-VDA ENTRANCE-PAY P&P.dwg, Last saved by: Hiram, 3/2/19

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, Mark Goodwin, NMPE #2948, of the firm Mark Goodwin & Associates, PA, a Registered 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 and that the original design of the project has been approved and met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and inspection information provided by David P. Acosta NMPE Number 21082.

Mark Goodwin NMPE 8948 9/2/20 Date

dmg MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 87199
(505) 828-2200, FAX (505) 797-9531



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: *CEJA VISTA OFF-SITES - UNIT 1*
VALLE DE ATRISCO ENTRANCE AND ROUNDABOUT
ONSITE PAVING IMPROVEMENTS

DESIGN REVIEW COMMITTEE
APPROVED
MAR 25 2019
DESIGN
REVIEW COMMITTEE

CITY ENGINEER APPROVAL

APPROVED

JUN 25 2019

CITY ENGINEER

LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
614194	P-9-Z	6	15

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F:\A16JOBS\A16044_Caja Vista Multi Family Project Off-site\PLANS\PAVING\COA PLANS\A16044_COA-VDA ENTRANCE-PAV P&P.dwg, Last saved by: Hiram, 3/2/19

NOTES

- ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9.
- ALL WATER SERVICES ARE IN WATER PRESSURE ZONE 2WR.
- ALL STORMDRAIN INLETS TO BE CONSTRUCTED PER COA STD. DWG NO'S. 2201, 2202, 2203, 2205, 2206, 2207, 2215, 2217 & 2220.
- ALL STORMDRAIN MANHOLES TO BE CONSTRUCTED PER COA STD. DWG NO. 2102.
- WHERE MOUNTABLE CURBS ARE INSTALLED, WATER METER BOX LIDS SHALL BE HEAVY DUTY AS PER COA STD. DWG NO. 2369.
- ALL WATERLINE MATERIAL SHALL CONSIST OF C-900 DR 18 PIPE UNLESS SPECIFIED OTHERWISE ON P & P SHEETS.
- DO NOT INSTALL STEPS IN ANY SANITARY SEWER MANHOLES.
- ALL BACKFILL COMPACTION ON ALL WATERLINE AND SANITARY SEWER INSTALLATION SHALL BE TO 95% MAXIMUM DENSITY.
- SEE SHEET ___ FOR WATER AUTHORITY REVISED "WATER VALVE BOX" DETAIL.

RESTRAINED JOINT LENGTH FOR BENDS, VALVES, DEAD ENDS (FT.)				
PIPE SIZE	90°	45°	22.5°	VALVE
6"	17'	7'	-	46'
8"	22'	9'	4'	60'
10"	26'	11'	5'	72'
12"	30'	12'	6'	85'

LENGTH OF RESTRAINED PIPE ON EACH SIDE OF THE BEND.

RESTRAINED JOINT LENGTHS FOR REDUCERS (FT.)		
PIPE SIZE	LARGE SIDE	SMALL SIDE
12" X 8"	45'	-
12" X 6"	62'	-
10" X 6"	44'	-
8" X 6"	25'	-

RESTRAINED JOINT LENGTH FOR TEES (FT.)		
PIPE SIZE	RUN	BRANCH
12"x12"x12"	18'	3'
12"x12"x10"	18'	4'
12"x12"x8"	12'	3'
10"x10"x10"	15'	5'
8"x8"x8"	13'	3'
6"x6"x6"	10'	2'

LEGEND

- EXISTING CHAIN LINK/WIRE FENCE
- EXISTING CURB & GUTTER
- EXISTING WATERLINE
- EXISTING SAS
- EXISTING STORM DRAIN
- NEW MOUNTABLE CURB & GUTTER
- NEW STANDARD CURB & GUTTER
- NEW SIDEWALK
- NEW RIGHT-OF-WAY
- NEW CENTERLINE
- NEW LOT LINES
- NEW EASEMENTS
- NEW RETAINING WALL
- NEW STORM DRAIN
- NEW STORM DRAIN MH
- NEW WATERLINE
- NEW WATER METERS
- NEW TEE
- NEW VALVE
- NEW FIRE HYDRANT
- NEW SAS (PRIVATE)
- NEW SAS MH (PRIVATE)
- NEW SAS SERVICES (PRIVATE)
- NEW STREET LIGHT
- NEW LOT ADDRESS
- NEW PUBLIC EASEMENTS

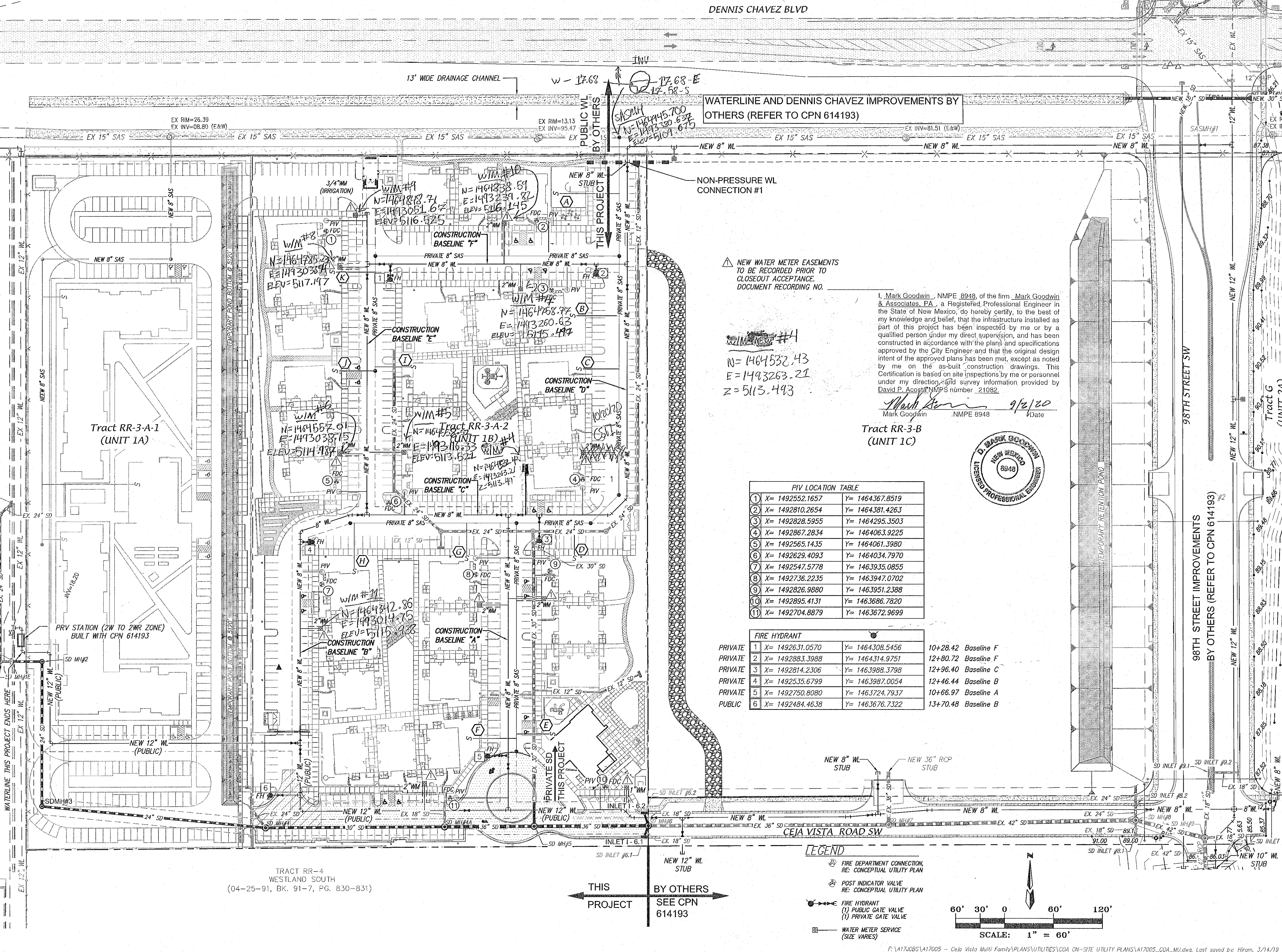
MARK GOODWIN & ASSOCIATES, P.A.
CONSULTING ENGINEERS
P.O. BOX 90806
ALBUQUERQUE, NEW MEXICO 87199
OFFICE (505) 828-2200, FAX (505) 797-9539

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: VALLE DE ATRISCO ON-SITE PUBLIC WATERLINE MASTER UTILITY PLAN

DESIGN REVIEW COMMITTEE APPROVED MAR 25 2019
CITY ENGINEER APPROVAL JUN 25 2019
LAST DESIGN UPDATE

CITY PROJECT NO. 614194 ZONE MAP NO. P-9-Z SHEET 7 OF 15



WATERLINE AND DENNIS CHAVEZ IMPROVEMENTS BY OTHERS (REFER TO CPN 614193)

NEW WATER METER EASEMENTS TO BE RECORDED PRIOR TO CLOSEOUT ACCEPTANCE. DOCUMENT RECORDING NO.

WIM #1
N=1464532.43
E=1493263.21
Z=5113.493

I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., a Registered 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 and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction and survey information provided by David P. Acosta, NMPS number 21082.

Mark Goodwin 9/2/20
NMPE 8948 Date

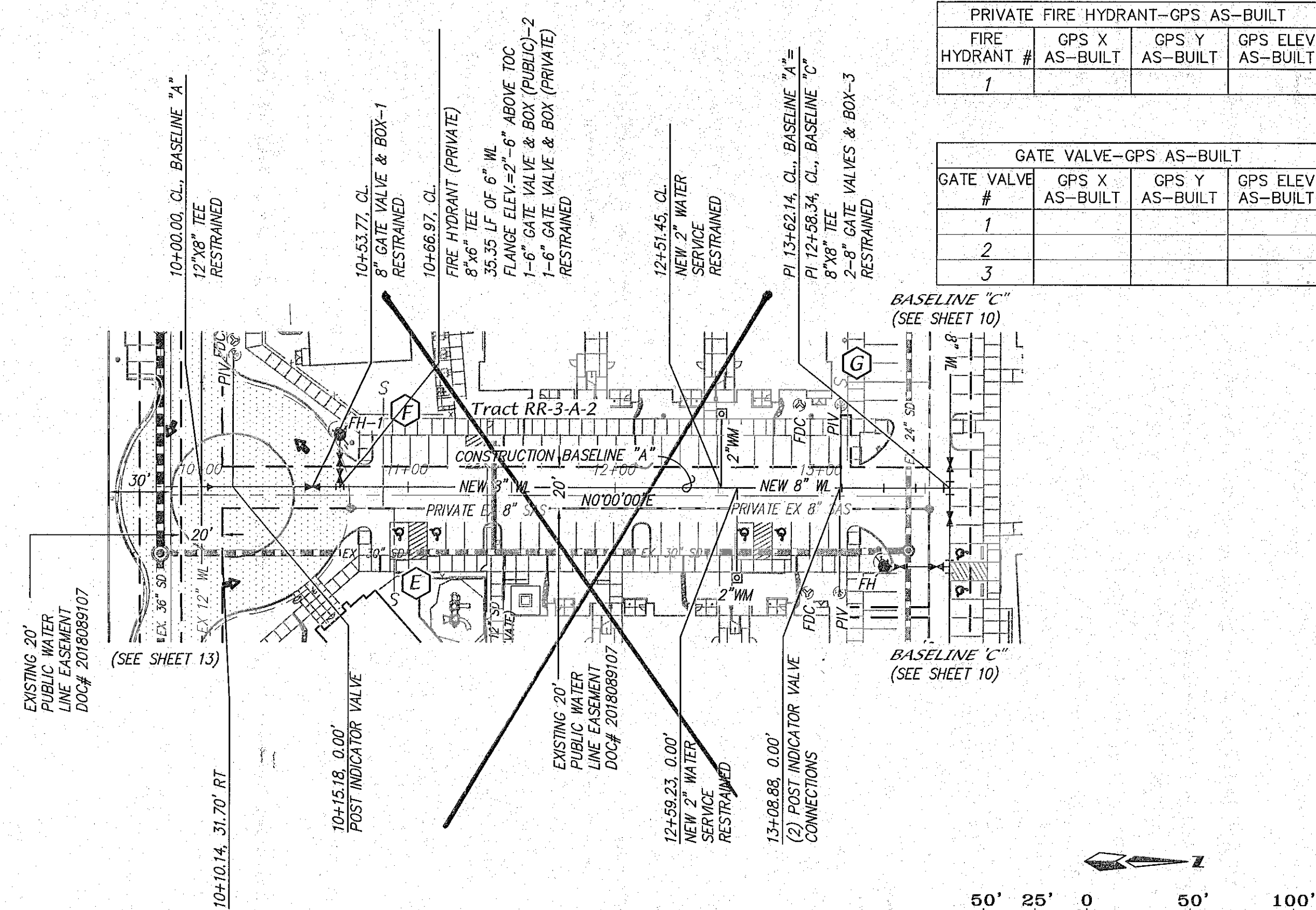


PIV LOCATION TABLE		
1	X= 1492552.1657	Y= 1464367.8519
2	X= 1492810.2654	Y= 1464381.4263
3	X= 1492828.5955	Y= 1464295.3503
4	X= 1492867.2834	Y= 1464063.9225
5	X= 1492565.1435	Y= 1464061.3980
6	X= 1492629.4093	Y= 1464034.7970
7	X= 1492547.5778	Y= 1463935.0855
8	X= 1492736.2235	Y= 1463947.0702
9	X= 1492826.9880	Y= 1463951.2388
10	X= 1492895.4131	Y= 1463686.7820
11	X= 1492704.8879	Y= 1463672.9699

FIRE HYDRANT		
PRIVATE	1 X= 1492631.0570	Y= 1464308.5456 10+28.42 Baseline F
PRIVATE	2 X= 1492883.3988	Y= 1464314.9751 12+80.72 Baseline F
PRIVATE	3 X= 1492814.2306	Y= 1463988.3798 12+96.40 Baseline C
PRIVATE	4 X= 1492535.6799	Y= 1463987.0054 12+46.44 Baseline B
PRIVATE	5 X= 1492750.8080	Y= 1463724.7937 10+66.97 Baseline A
PUBLIC	6 X= 1492484.4638	Y= 1463676.7322 13+70.48 Baseline B

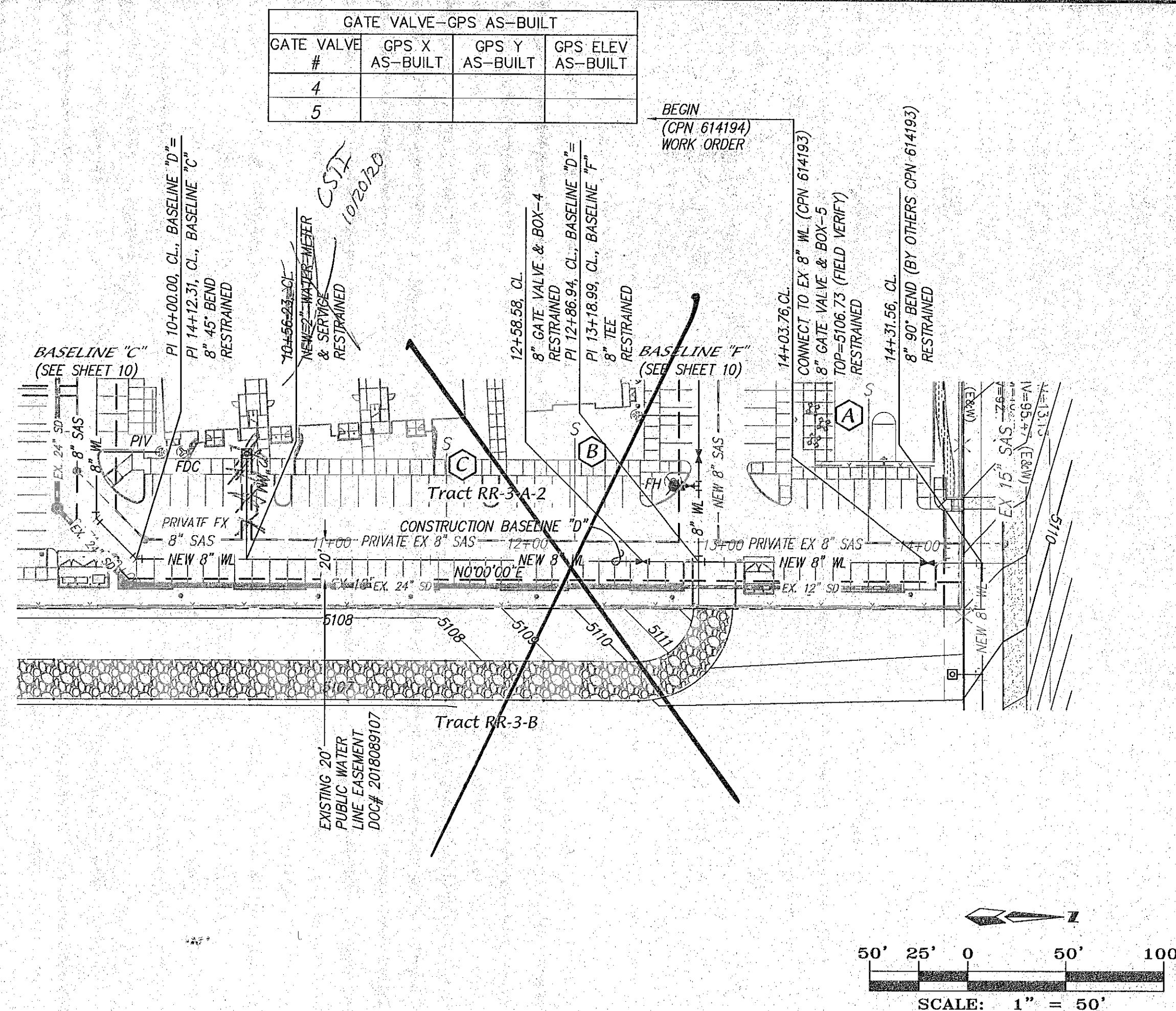
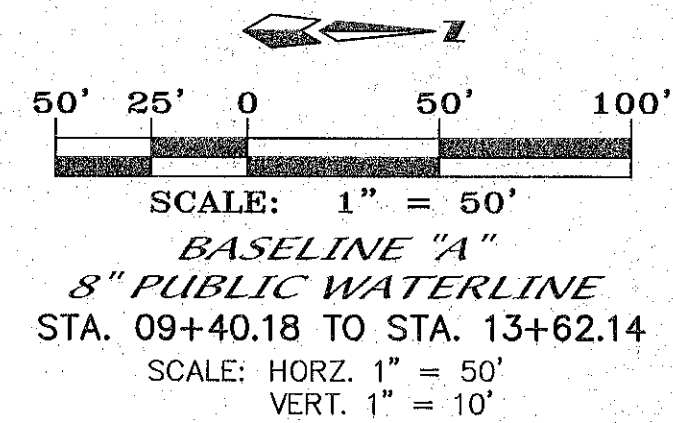
- FIRE DEPARTMENT CONNECTION, RE: CONCEPTUAL UTILITY PLAN
- POST INDICATOR VALVE, RE: CONCEPTUAL UTILITY PLAN
- FIRE HYDRANT (1) PUBLIC GATE VALVE (1) PRIVATE GATE VALVE
- WATER METER SERVICE (SIZE VARIES)

SCALE: 1" = 60'



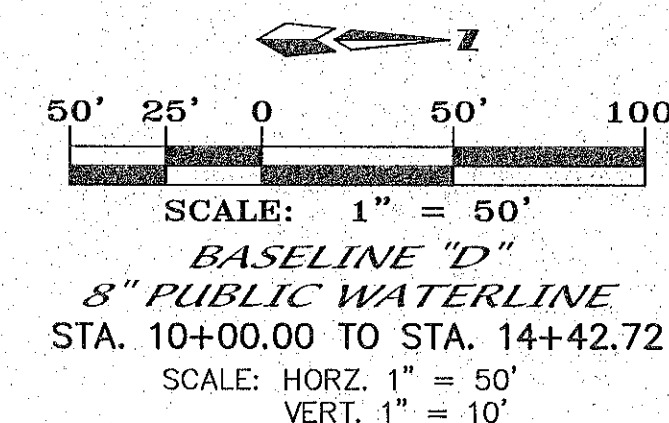
PRIVATE FIRE HYDRANT-GPS AS-BUILT			
FIRE HYDRANT #	GPS X AS-BUILT	GPS Y AS-BUILT	GPS ELEV AS-BUILT
1			

GATE VALVE-GPS AS-BUILT			
GATE VALVE #	GPS X AS-BUILT	GPS Y AS-BUILT	GPS ELEV AS-BUILT
1			
2			
3			




GATE VALVE-GPS AS-BUILT			
GATE VALVE #	GPS X AS-BUILT	GPS Y AS-BUILT	GPS ELEVATION AS-BUILT
4			
5			

PRIVATE FIRE HYDRANT-GPS AS-BUILT			
FIRE HYDRANT #	GPS X AS-BUILT	GPS Y AS-BUILT	GPS ELEV AS-BUILT
1			



NOTES

1. ALL STATIONING IS BASED ON THE CENTERLINE OF PROPOSED 8" WATERLINE PIPE AS SHOWN.
2. ALL FIRE HYDRANTS ARE ABCWJIA STD. DWG 2340 AND 4" BURY UNLESS OTHERWISE SPECIFIED.
3. ALL METER BOXES ADJACENT TO MOUNTABLE CURB SHALL BE DUCTILE IRON METER BOX COVER & LID PER ABCWJIA STD. DWG 2368; WATER METER BOX PER ABCWJIA STD. DWG #2366; WATER SERVICE PER ABCWJIA STD. DWG #2362.
4. ALL FIRE HYDRANTS TO HAVE A 6" GATE VALVE ON LEG & BOX PER ABCWJIA STD. DWG 2326. FIRE LINE RING & COVER
5. ALL WATER LINES SHALL BE C-900, DR-18, PVC.
6. ALL GATE VALVES & VALVES BOXES PER DWG 2326. WATER RING & COVER
7. ALL WATER SHALL HAVE TRACER WIRE OVER THE TOP OF PIPE.
8. TRACER WIRE ON WATER SEE STANDARD DETAILS 2301, 2302, 2303 & 2304 SHEET 15 OF 15.

SANITARY SEWER SERVICES (FOR REFERENCE ONLY)				
SERVICE ID 	STATION/OFFSET AT SAS MAIN	BASELINE	INV. AT END OF SVC	SERVICE LINE LENGTH
A	13+73.61, 10.00' LT.	D	109.90	74.32'
B	12+23.79, 10.00' LT.	D	110.28	53.41'
C	11+58.24, 10.00' LT.	D	108.35	43.64'
D	13+38.37, 10.00' RT.	A	105.85	39.00'
E	10+93.30, 10.00' RT.	A	108.30	40.66'
F	10+87.94, 10.00' RT.	A	103.80	54.58'
G	12+07.34, 10.00' RT.	C	106.26	39.00'
H	10+69.44, 9.99' RT.	C	110.30	55.01'
I	11+76.33, 10.00' RT.	E	108.90	43.00'
J	11+81.33, 10.00' RT.	E	109.70	45.77'
K	12+99.60, 10.00' RT.	E	111.75	46.12'


	WATER		SERVICES	
	GPS X AS-BUILT	GPS Y AS-BUILT	GPS ELEV AS-BUILT	
1				
2				
3				
WM#4	464562.43	493263.21	5113.493	
WM#5	464568.52	493116.33	5113.521	
WM#6	464565.01	493038.15	5114.937	
WM#7	464758.37	493280.63	5115.497	
WM#8	464785.25	493033.94	5117.197	
WM#9	465845.41	493051.67	5116.525	
WM#10	465838.57	493239.82	5116.145	
WM#11	464312.26	493014.75	5115.938	

USE FOR PAGE #7

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

Superseded.
See 8R, 7-25-19

dmg MARK GOODWIN & ASSOCIATES, P.A.
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(505) 828-2200, FAX (505) 797-9539

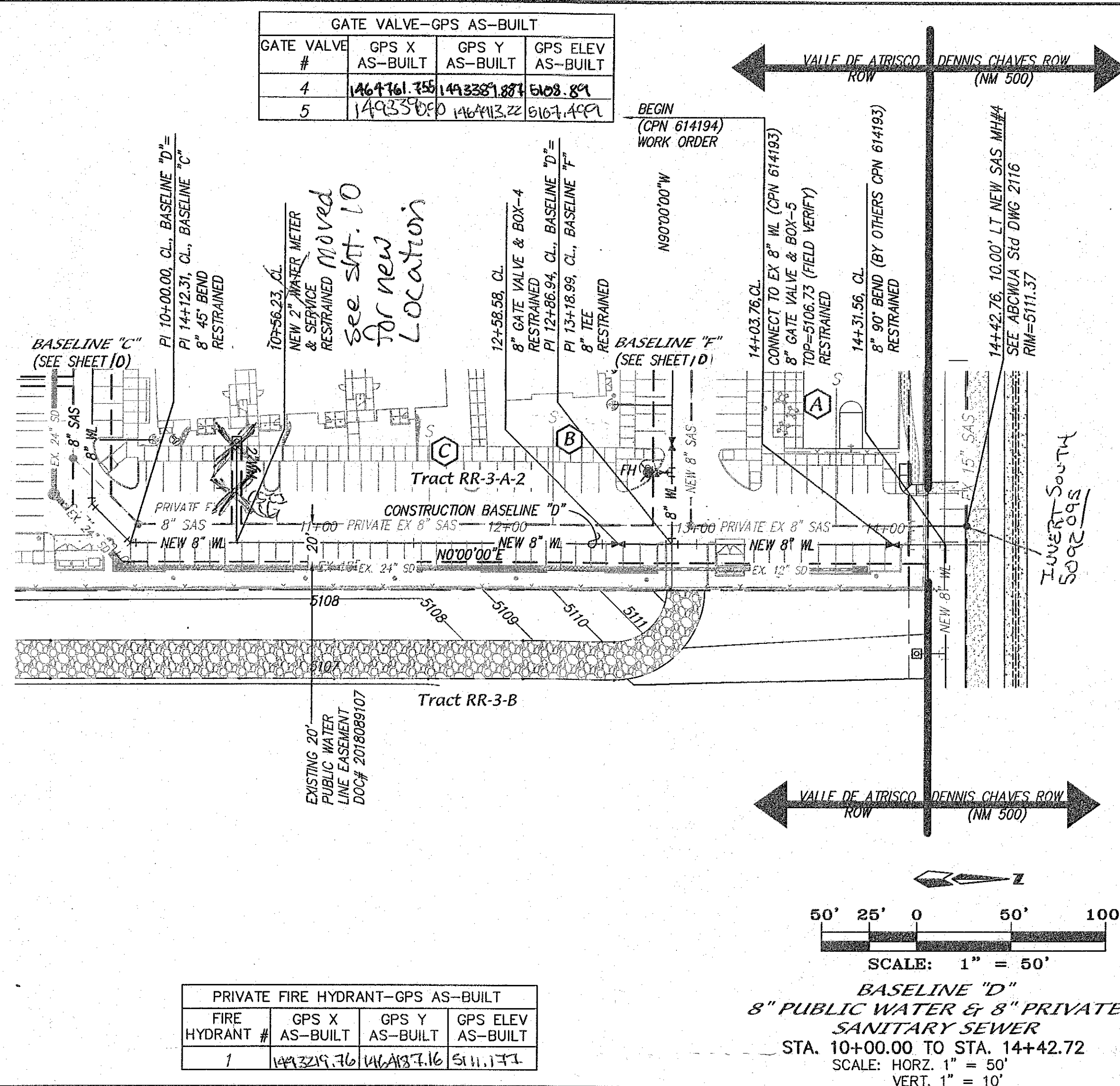
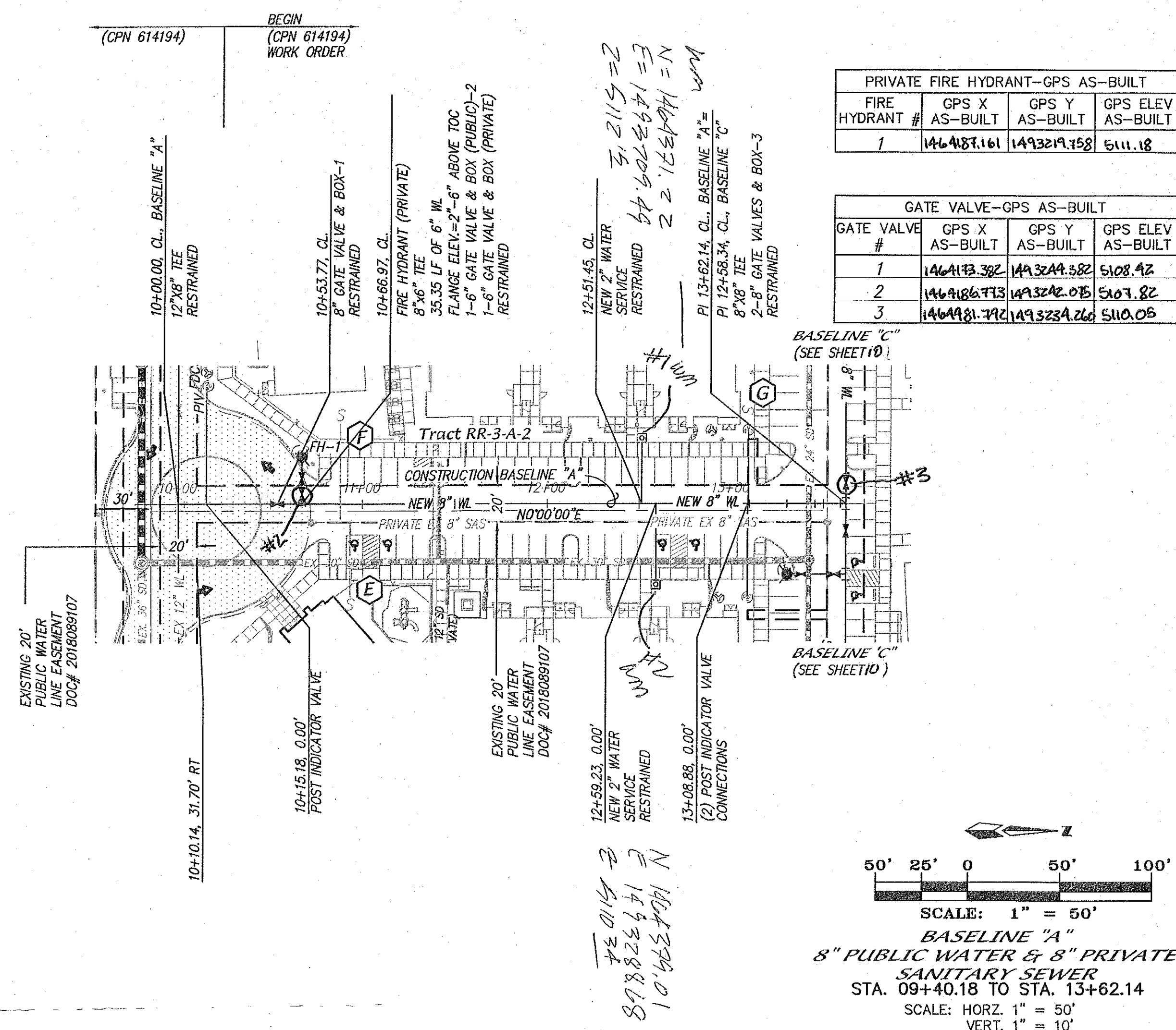
 CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **VALLE DE ATRISCO
BASELINE "A" & "D"
ON-SITE PUBLIC WATERLINE IMPROVEMENTS**

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED	APPROVED		
MAR 25 2019	JUN 25 2019		
DESIGN REVIEW COMMITTEE	CITY ENGINEER	LIST DESIGN UPDATE	

CITY PROJECT NO.	ZONE MAP NO.	SHEET	OF
614194	P-9-7	8	15

RECORD DRAWING



NOTES

1. ALL STATING IS BASED ON THE CENTERLINE OF PROPOSED 8" WATERLINE PIPE AS SHOWN.
2. ALL FIRE HYDRANTS ARE ABCWUA STD. DWG 2340 AND 4" BURY UNLESS OTHERWISE SPECIFIED.
3. ALL METER BOXES ADJACENT TO MOUNTABLE CURB SHALL HAVE DUCTILE IRON METER BOX COVER & LID PER ABCWUA STD. DWG 2368; WATER METER BOX PER ABCWUA STD. DWG #2366; WATER SERVICE PER ABCWUA STD. DWG #2362.
4. ALL FIRE HYDRANTS TO HAVE A 6" GATE VALVE ON LEG & BOX PER ABCWUA STD. DWG #2326. FIRE LINE RING & COVER
5. ALL WATER LINES SHALL BE C-900, DR-18, PVC.
6. ALL GATE VALVES & VALVES BOXES PER DWG 2326. WATER RING & COVER
7. ALL WATER SHALL HAVE TRACER WIRE OVER THE TOP OF PIPE.
8. TRACER WIRE ON WATER SEE STANDARD DETAILS 2301. 2302, 2303 & 2304 SHEET 15 OF 15
9. SEE ABCWUA STD DWG 2116 FOR VERTICAL DROP MANHOLE

SERVICE ID (X)	STATION/OFFSET AT SAS	BASLINE	INV. AT END OF SVC	SERVICE L. LENGTH
A	13+73.61, 10.00' LT.	D	103.90	74.32'
B	12+23.79, 10.00' LT.	D	110.28	53.41'
C	11+58.24, 10.00' LT.	D	108.35	43.64'
D	13+39.37, 10.00' RT.	C	103.85	39.00'
E	10+33.36, 10.00' RT.	A	110.30	40.65'
F	10+37.94, 10.00' RT.	A	110.30	54.58'
G	12+07.34, 10.00' RT.	C	106.26	39.00'
H	10+69.44, 9.99' RT.	C	110.30	55.01'
I	11+76.33, 10.00' RT.	E	108.90	43.00'
J	11+61.33, 10.00' RT.	E	109.70	45.70'
K	11+69.36, 10.00' RT.	E	109.70	106.17'


	WATER SERVICES		
	GPS X AS-BUILT	GPS Y AS-BUILT	GPS ELE AS-BUILT
2nd	149324.08	146439.01	110.72
1st	149320.94	146439.02	111.15
3			
WM#1	1464532.43	1493283.24	513.49
WM#5	1464578.52	1493116.33	513.52
WM#6	1464557.01	1493038.15	514.98
WM#7	1464768.24	1493260.63	515.44
WM#8	1464785.23	1493033.94	517.19
WM#9	1464848.21	1493051.69	518.52
WM#10	1464833.59	1493239.52	516.14
WM#11	1464342.26	1493014.78	515.45

CERTIFICATE OF SUBSTANTIAL COMPLIANCE

I, Mark Goodwin, NPME #848, of the firm Mark Goodwin & Associates, P.A., a Registered 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 and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided to me by David P. Acosta, NMPS number 21082.

Mark Goodwin NMPE 8948 Date 9/2/20

dmg MARK GOODWIN & ASSOCIATES,
CONSULTING ENGINEERS
P.O. BOX 90606
ALBUQUERQUE, NEW MEXICO 871
(505) 828-2200. FAX (505) 7



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: **VALLE DE A
BASELINE '1
ON-SITE UTILITY I**

DESIGN REVIEW COMMITTEE

JUL 25 2019

DESIGN
REVIEW COMMITTEE

CITY ENGINEER APPROVAL

JUL 25 2019

Ja & R

CITY ENGINEER

CITY PROJECT NO.	ZONE
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SURVEY INFORMATION			BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	BY	DATE	AGRS Brass Cap stamped "ACS BM 4-98"	CONTRACTOR	WORK ORDERED BY
	sw. travel west on Dennis Chavez Boulevard 1.80 miles to the benchmark on the right. The cap is on the south top of a concrete channel.				TCSI	DATE 8/10/12
	Geographic Position in feet (MAD83)				INSPECTOR'S ACCEPTANCE BY	DATE 10/12/12
	N.M. State Plane Coordinates (Central Zone)				VERIFICATION BY	DATE 10/12/12
					DRAWINGS CORRELATED BY	DATE 10/12/12
					RECORDED BY	DATE
					NO.	

ENGINEER'S SEAL

Professional Engineer Seal for Mark Goodwin, No. 8948, State of New Mexico, License No. 19.

[illegible]

NT

ISCO & "D" IMPROVEMENTS

MO./DAY/YR.	MO./DAY/YR.

NO.	SHEET	OF
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RECORD DRAWING

NOTES

1. ALL STATIONING IS BASED ON THE CENTERLINE OF PROPOSED 8" WATERLINE PIPE AS SHOWN.
2. ALL FIRE HYDRANTS ARE ABCWJA STD. DWG 2340 AND 4" BURY UNLESS OTHERWISE SPECIFIED.
3. ALL METER BOXES ADJACENT TO MOUNTABLE CURB SHALL HAVE DUCTILE IRON METER BOX COVER & LID PER ABCWJA STD. DWG 2368; WATER METER BOX PER ABCWJA STD. DWG #2366; WATER SERVICE PER ABCWJA STD. DWG #2362.
4. ALL FIRE HYDRANTS TO HAVE A 6" GATE VALVE ON LEG & BOX PER ABCWJA STD. DWG #2326. FIRE LINE RING & COVER
5. ALL WATER LINES SHALL BE C-900, DR-18, PVC.
6. ALL GATE VALVES & VALVES BOXES PER DWG 2326. WATER RING & COVER
7. ALL WATER SHALL HAVE TRACER WIRE OVER THE TOP OF PIPE.
8. TRACER WIRE ON WATER SEE STANDARD DETAILS 2301. 2302, 2303 & 2304 SHEET 15 OF 15.

SANITARY SEWER SERVICES (FOR REFERENCE ONLY)

SERVICE ID	STATION/OFFSET AT SAS MAIN	BASELINE	INV. AT END OF SVC	SERVICE LINE LENGTH
A	13+73.61, 10.00' LT.	D	109.90	74.32'
B	12+23.79, 10.00' LT.	D	110.28	53.41'
C	11+58.24, 10.00' LT.	D	108.35	45.64'
D	13+39.37, 10.00' RT.	C	105.85	39.00'
E	10+93.37, 10.00' RT.	A	108.30	40.66'
F	10+79.94, 10.00' RT.	A	103.80	54.58'
G	12+07.34, 10.00' RT.	C	106.26	39.00'
H	10+69.44, 9.99' RT.	C	110.30	55.01'
I	11+76.33, 10.00' RT.	E	108.90	43.00'
J	11+81.33, 10.00' RT.	E	109.70	45.77'
K	12+99.60, 10.00' RT.	E	111.75	46.12'

WATER SERVICES

	GPS X AS-BUILT	GPS Y AS-BUILT	GPS ELEV AS-BUILT
1	1435038.914	1461852.23	5113.197
2	143240.63	146185.17	5115.497
3	143221.82	146183.59	5116.145
4	143081.67	146187.11	5116.625

CERTIFICATE OF SUBSTANTIAL COMPLIANCE
I, Mark Goodwin, NMPE 8948, of the firm, Mark Goodwin & Associates, P.A., a Registered 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 and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by David P. Acosta NMPS number 21082.

Mark Goodwin 9/2/20 Date
Mark Goodwin NMPE 8948

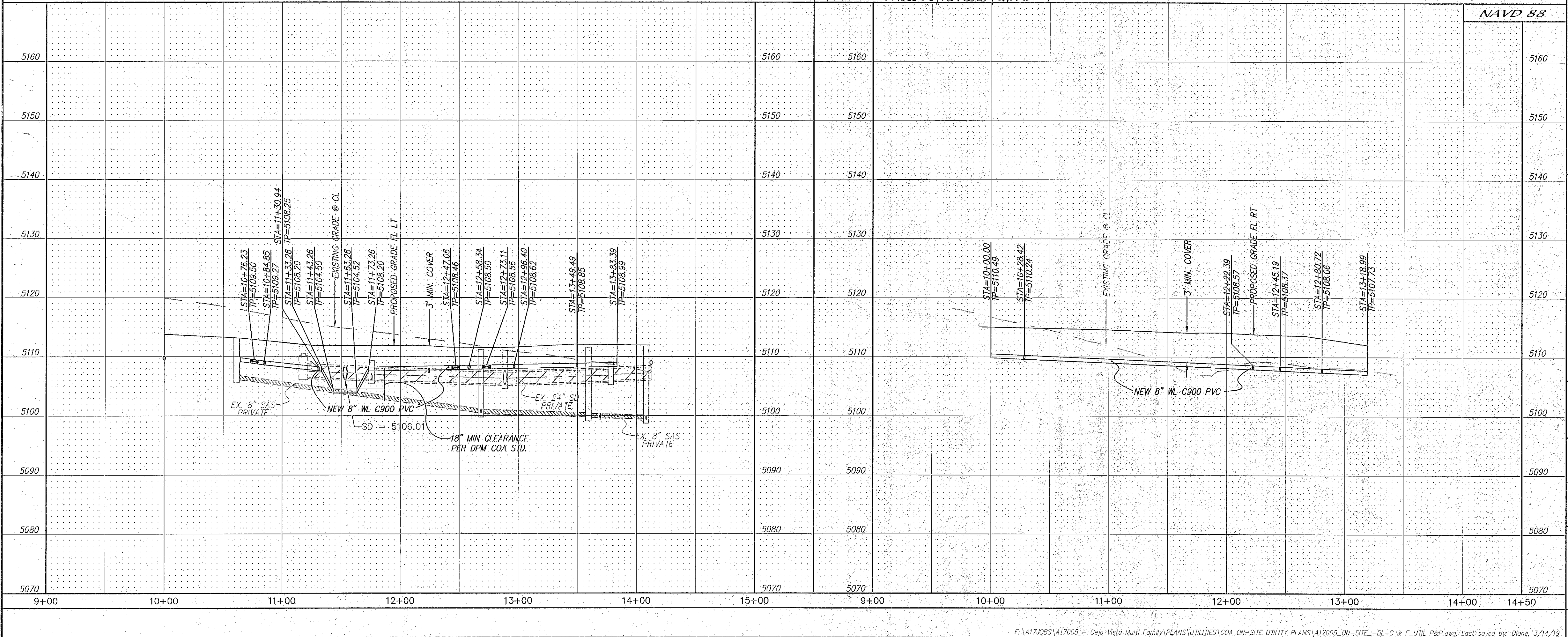
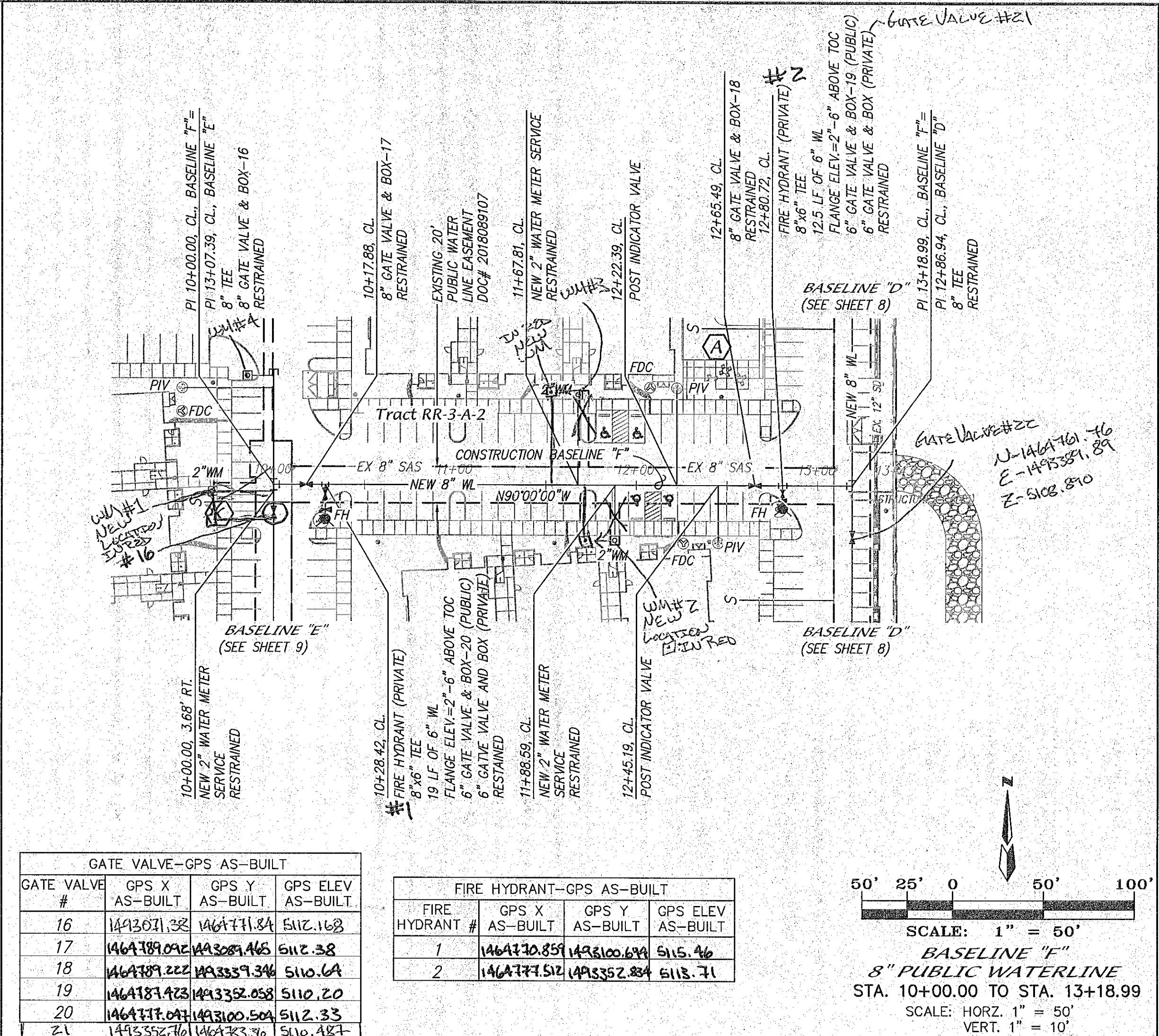
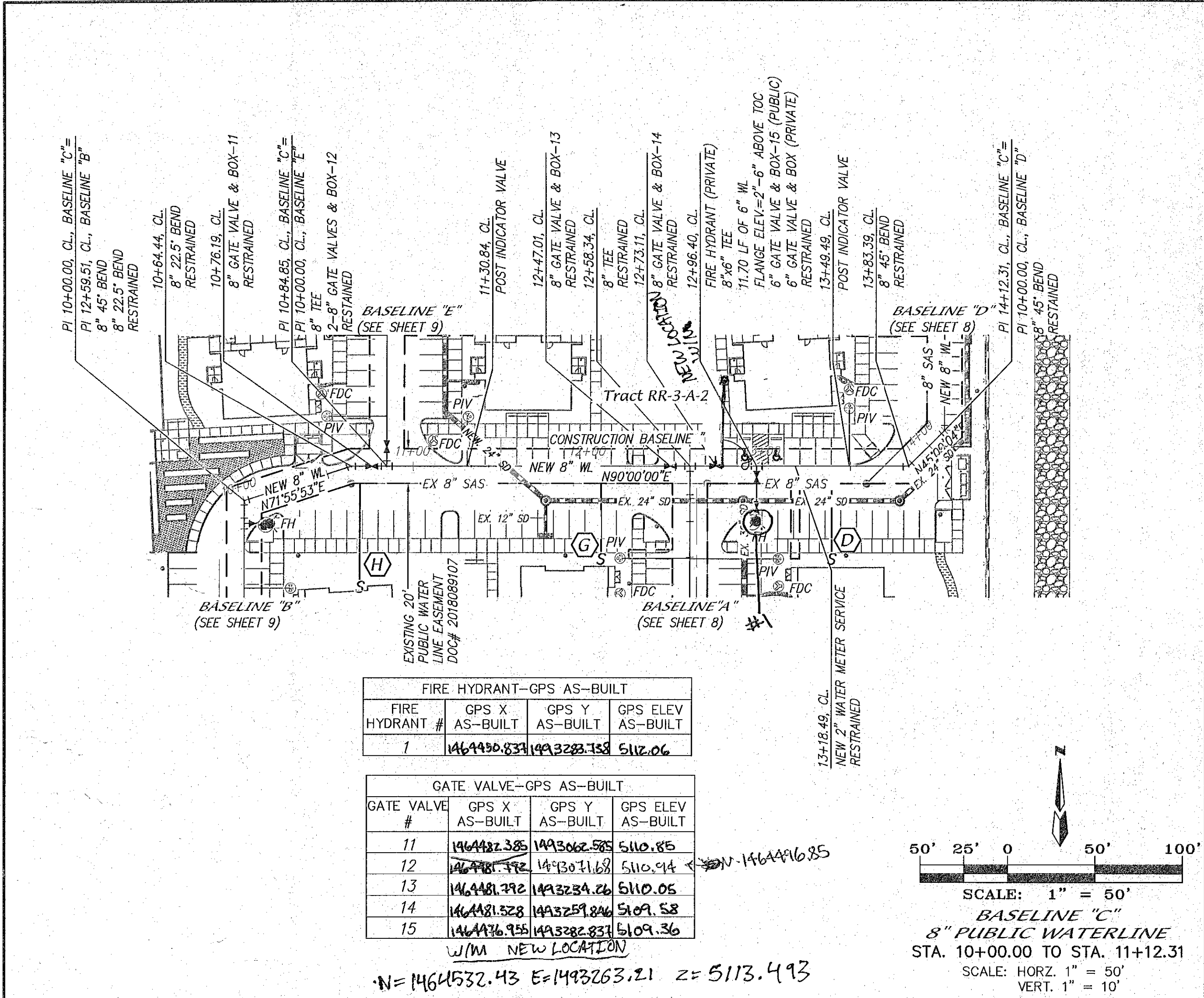
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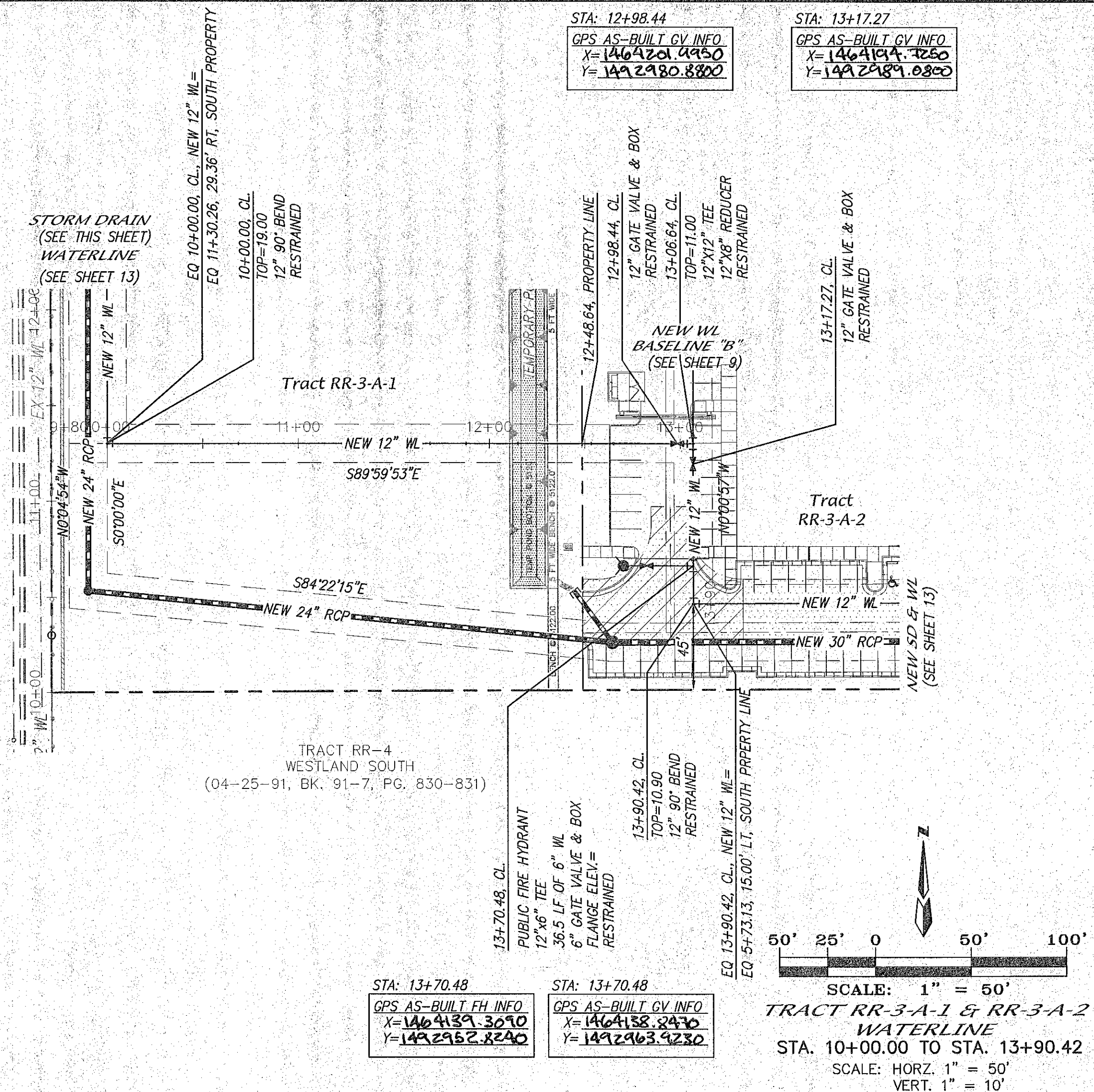
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: VALLE DE ATRISCO
BASELINE "C" & "F"
ON-SITE PUBLIC WATERLINE IMPROVEMENTS

DESIGN REVIEW COMMITTEE APPROVED MAR 25 2019	CITY ENGINEER APPROVAL APPROVED JUN 25 2019 CITY ENGINEER	MG/DAY/YR. MG/DAY/YR.
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CITY PROJECT NO. 614194	ZONE MAP NO. P-9-Z	SHEET 10 OF 15
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		NAVD 88	
5170		5170	5170
5160		5160	5160
5150		5150	5150
5140		5140	5140
5130		5130	5130
5120		5120	5120
5110		5110	5110
5100		5100	5100
5090		5090	5090
5080		5080	5080
10+00 11+00		10+00 11+00 12+00 13+00 14+00	
<p>F:\A16\085\A16044_Celo_Vista_Multi_Family_Project_Off-site\PLANS\UTILITIES\A16044_COA\OFF-SITE UTILITY PLANS\A16044_COA_IRACT 3-A-1 WL-UT P&P.dwg, Last saved by: Diane_3/14/21</p>			

NOTES

1. ALL STATIONING IS BASED ON THE CENTERLINE OF PROPOSED NEW 12" WATERLINE.
2. ALL FIRE HYDRANTS ARE ABCWUA STD. DWG 2340 AND 4" BURY UNLESS OTHERWISE SPECIFIED.
3. ALL METER BOXES ADJACENT TO MOUNTABLE CURB SHALL HAVE DUCTILE IRON METER BOX COVER & LID PER ABCWUA STD. DWG 2368; WATER METER BOX PER ABCWUA STD. DWG #2366; WATER SERVICE PER ABCWUA STD. DWG #2362.
4. ALL FIRE HYDRANTS TO HAVE A 6" GATE VALVE ON LEG & BOX PER ABCWUA STD. DWG #2326. FIRE LINE RING & COVER
5. ALL WATER LINES SHALL BE C-900, DR-18, PVC.
6. ALL GATE VALVES & VALVES BOXES PER DWG 2326. WATER RING & COVER
7. ALL WATER SHALL HAVE TRACER WIRE OVER THE TOP OF PIPE.
8. TRACER WIRE ON WATER SEE STANDARD DETAILS 2301, 2302, 2303 & 2304 SHEET
9. SEE SHEET 9 FOR RESTRAINT LENGTHS.

								ENGINEER'S SEAL		SURVEY INFORMATION				BENCH MARKS				AS-BUILT INFORMATION			
										FIELD NOTES		DATE		AGRS Brass Cap stamped "ACS BM 4-Pg"				CONTRACTOR		TCC-SEI	
										BY				From the intersection of Dennis Chavez Boulevard and Coors Boulevard sw, travel west on Dennis Chavez Boulevard 1.80 miles to the benchmark on the right. The cap is on the south top of a concrete channel.				INSPECTOR'S STAMPED BY CSTE		DATE 7/20	
																		FIELD CORRECTION BY DUGL		DATE 10/20	
																		VERIFICATION BY MCA		DATE 10/20	
																		CORRECTED BY		DATE	
																		MICRO-FILM INFORMATION			
																		RECORDED BY		DATE	
																		NO.			
																		Elevation in feet (NAVD83) = 5129.396			

339

ENT

ISCO
IMPROVEMENTS
VEMENTS

NO.

MO./DAY/YR.

NO.

MO./DAY/YR.

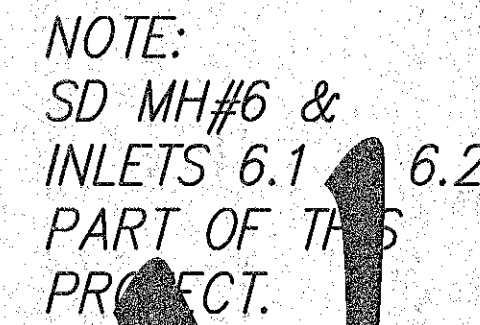
9-2

SHEET

OF

11

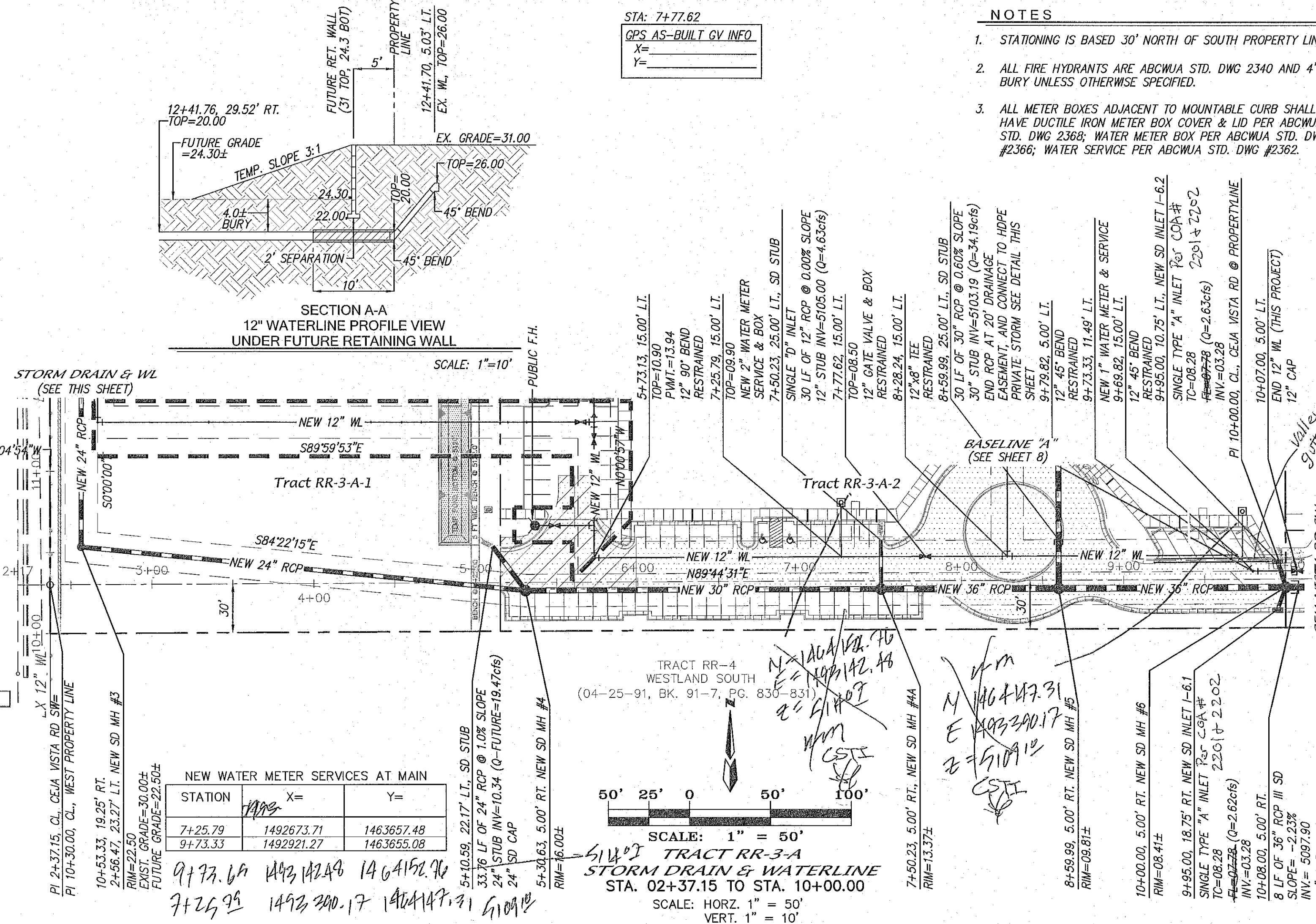
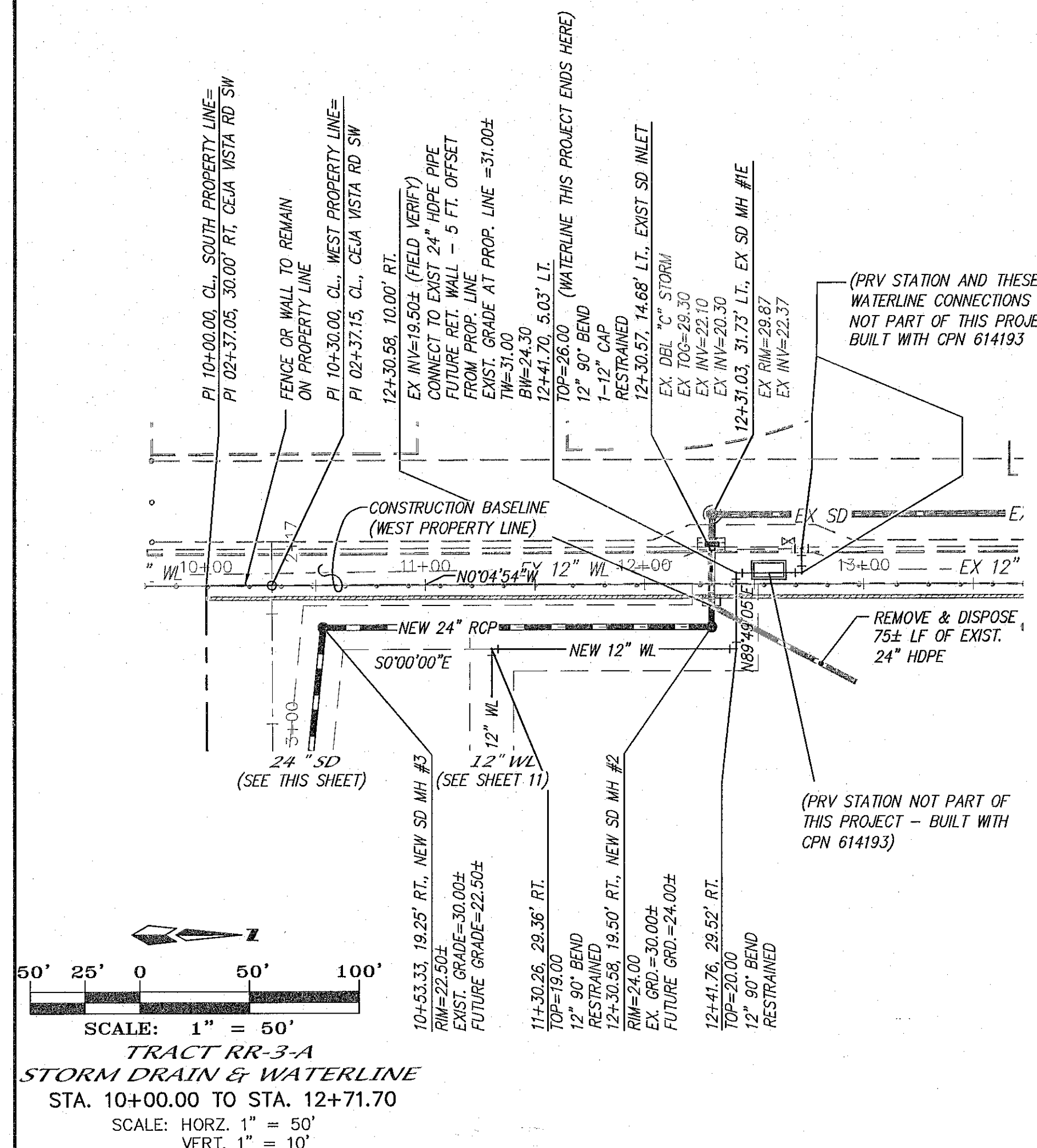
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dmg MARK GOODWIN & ASSOCIATES, P.A.
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(505) 828-2200, FAX (505) 797-9539

NOTES

1. STATIONING IS BASED ON WEST PROPERTY LINE.



NOTES

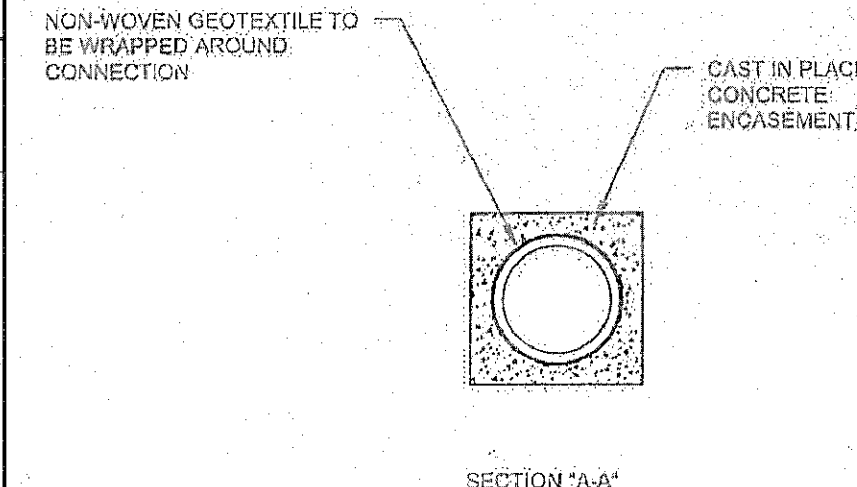
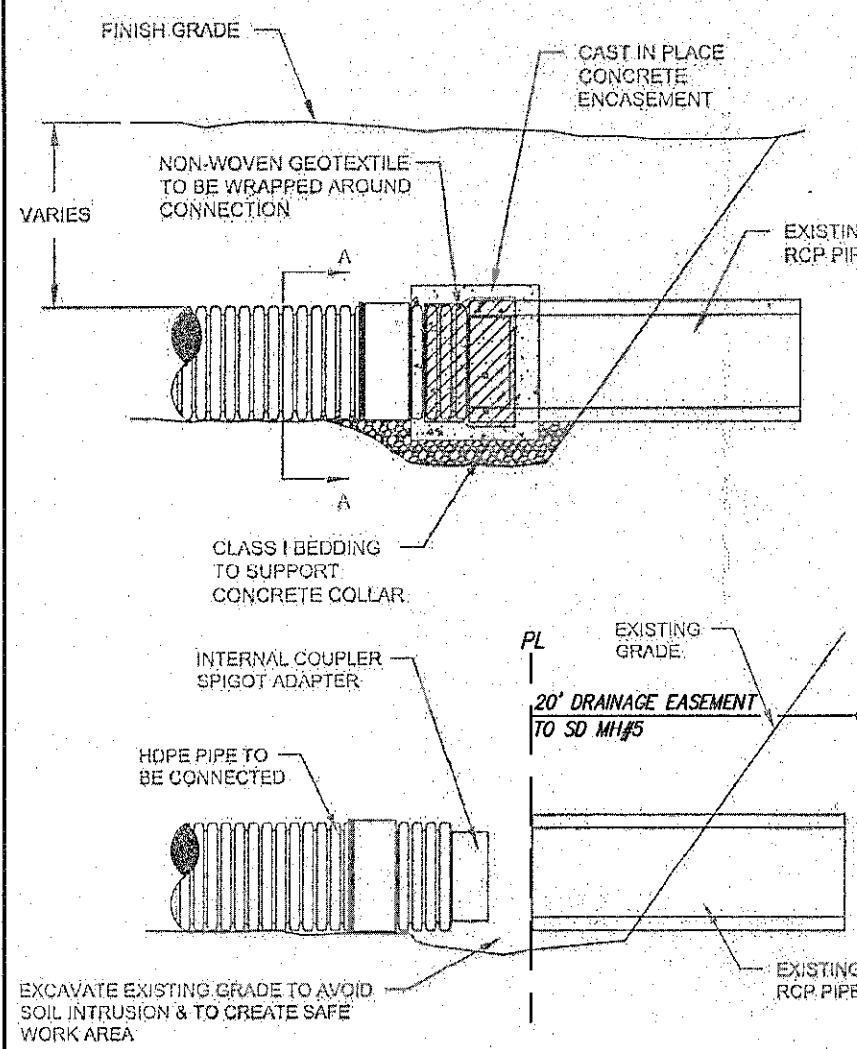
- STATIONING IS BASED 30' NORTH OF SOUTH PROPERTY LINE.
- ALL FIRE HYDRANTS ARE ABCWUA STD. DWG 2340 AND 4' BURY UNLESS OTHERWISE SPECIFIED.
- ALL METER BOXES ADJACENT TO MOUNTABLE CURB SHALL HAVE DUCTILE IRON METER BOX COVER & LID PER ABCWUA STD. DWG 2368; WATER METER BOX PER ABCWUA STD. DWG #2366; WATER SERVICE PER ABCWUA STD. DWG #2362.

NOTES-(CONT.)

- ALL FIRE HYDRANTS TO HAVE A 6" GATE VALVE ON LEG & BOX PER ABCWUA STD. DWG #2326. FIRE LINE RING & COVER
- ALL WATER LINES SHALL BE C-900, DR-18, PVC.
- ALL GATE VALVES & VALVES BOXES PER DWG 2326. WATER RING & COVER
- TRACER WIRE ON WATER SEE STANDARD DETAILS 2301, 2302, 2303 & 2304 SHEET
- SEE SHEET 9 FOR RESTRAINT LENGTHS.

NOTES:

- CONNECTION AND PIPE TO BE BACKFILLED PER ASTM D2321.
- IN LIEU OF AN INTERNAL CYLINDER, AN HDPE WATERTIGHT REPAIR COUPLER CAN BE USED TO CONNECT HOPE PIPE TO CMP.
- INTERNAL CYLINDER ADAPTER IS NOT RECOMMENDED FOR DOWNSTREAM CONNECTIONS.



CERTIFICATE OF SUBSTANTIAL COMPLIANCE
I, Mark Goodwin, NMPE 8948, of the firm Mark Goodwin & Associates, P.A., a Registered 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 and that the original design intent of the approved plans has been met, except as noted by me on the as-built construction drawings. This Certification is based on site inspections by me or personnel under my direction, and survey information provided by David P. Acosta NMPS number 21082.
Mark Goodwin NMPE 8948 Date 9/2/20

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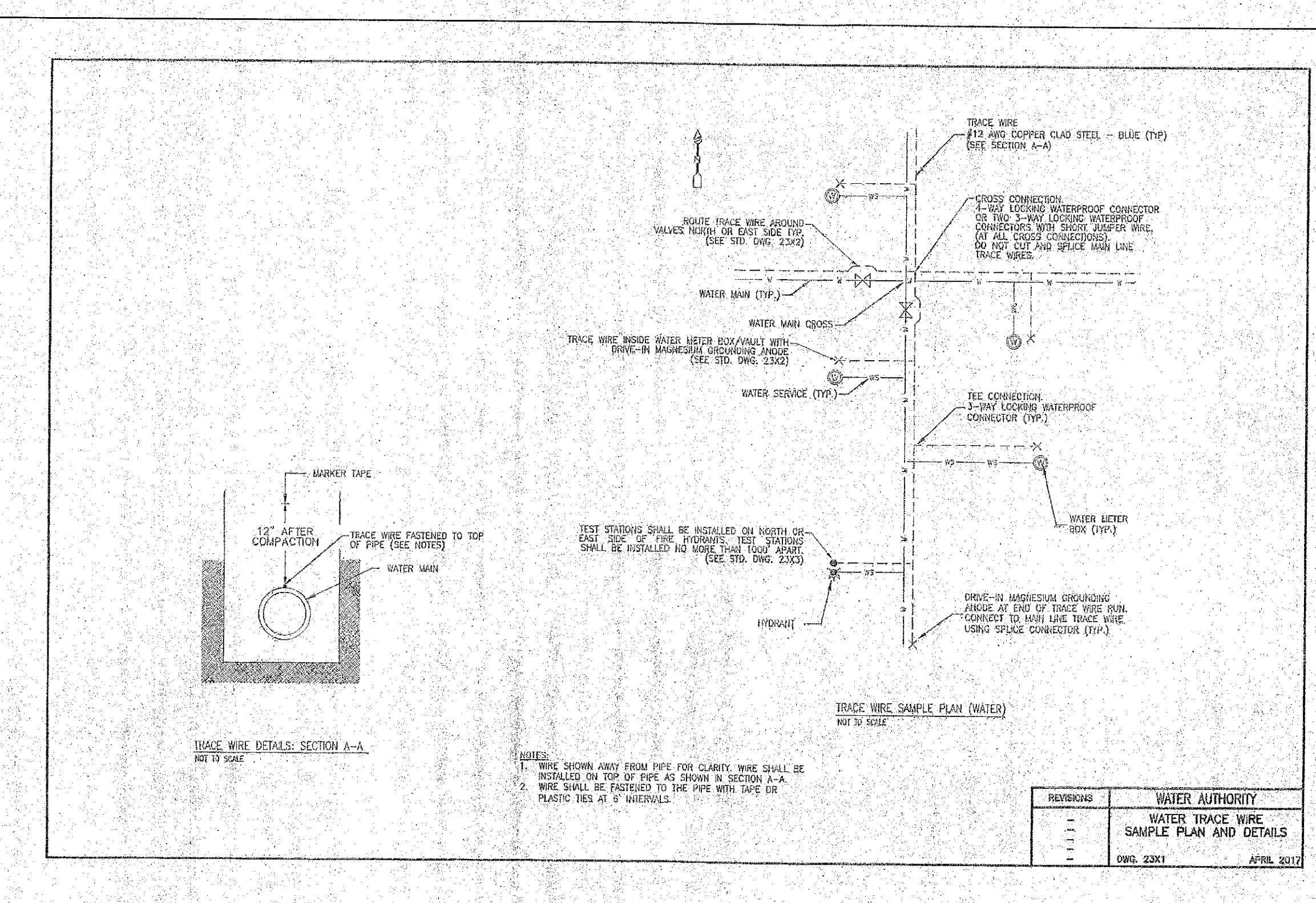
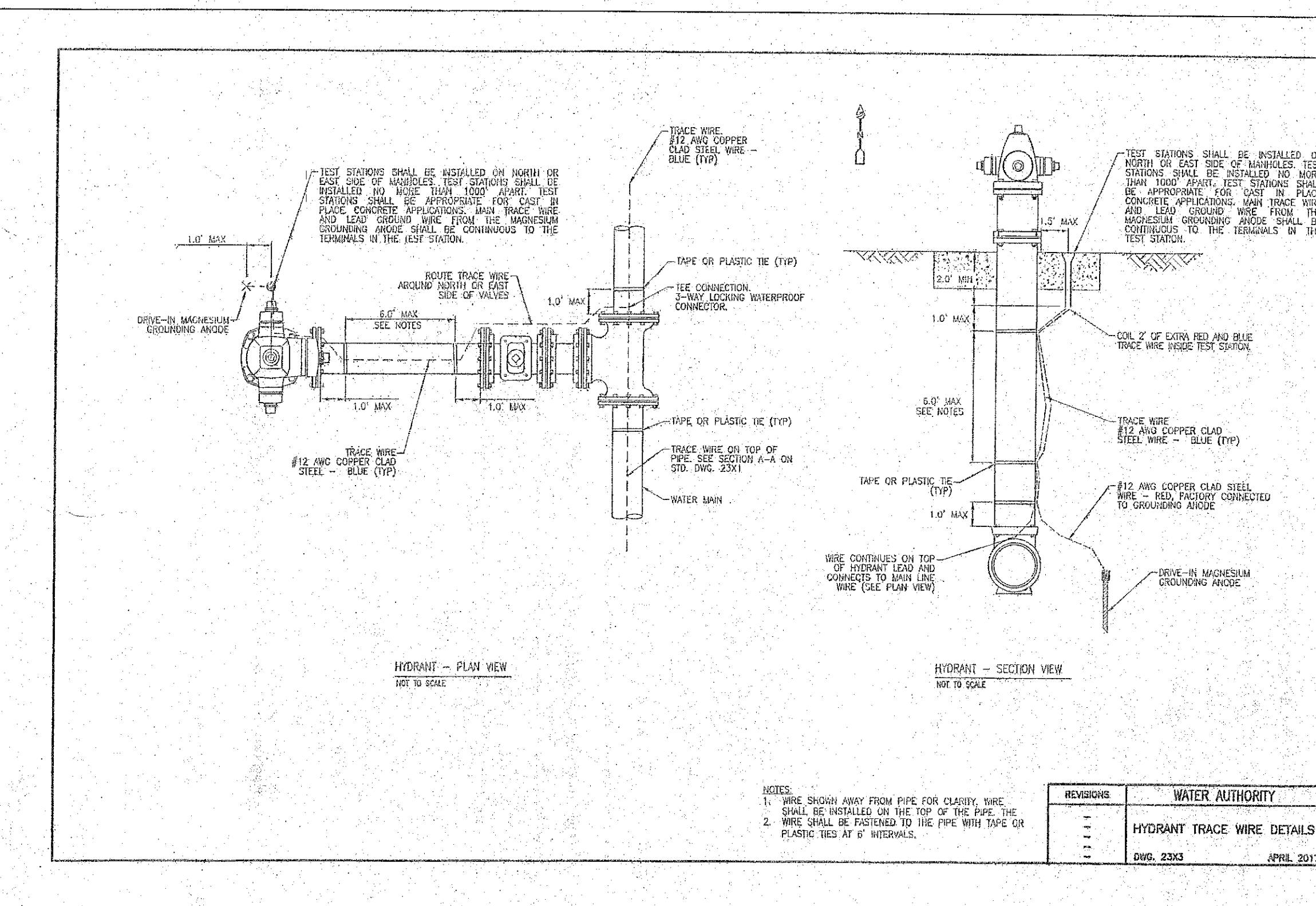
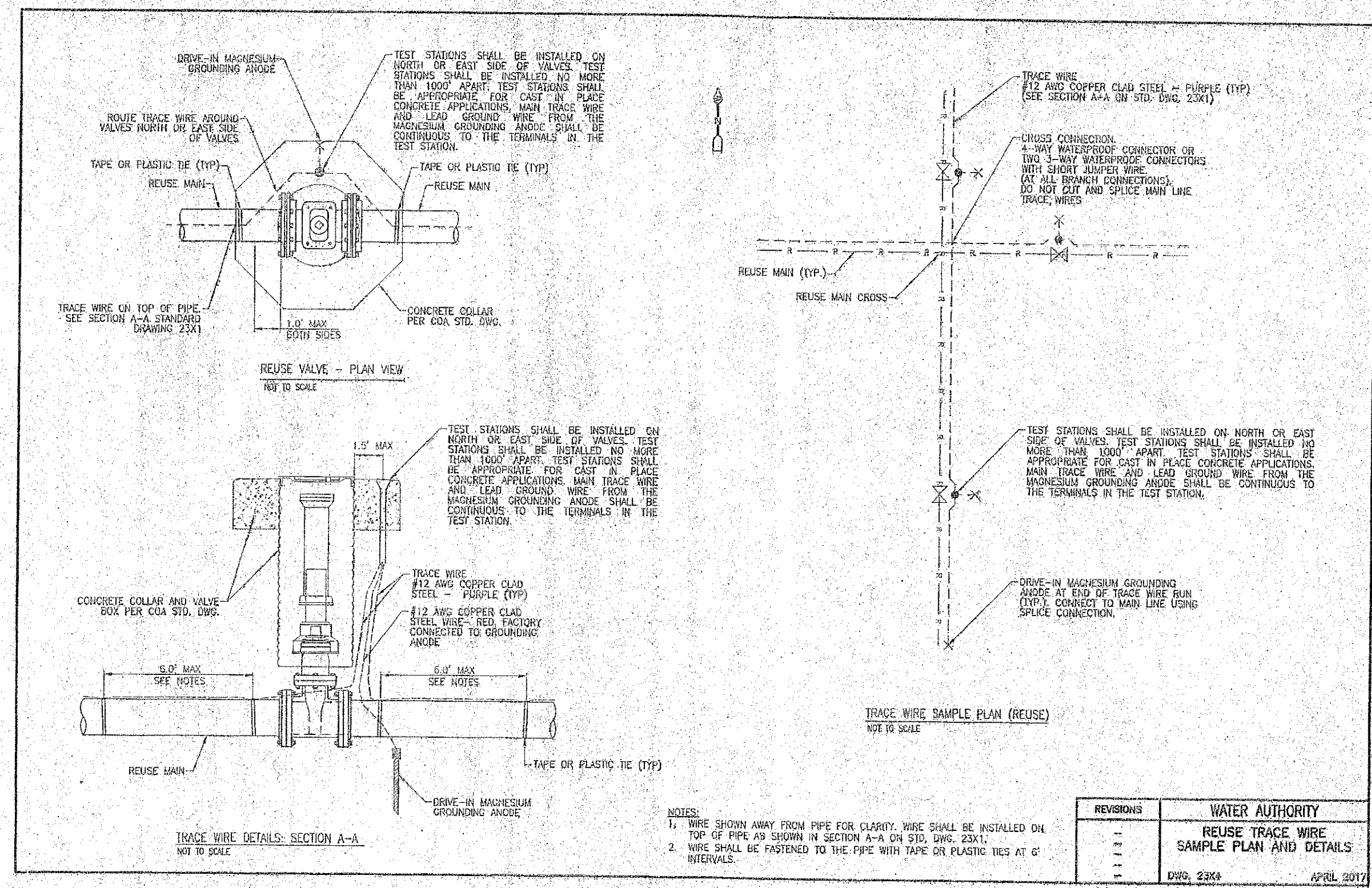
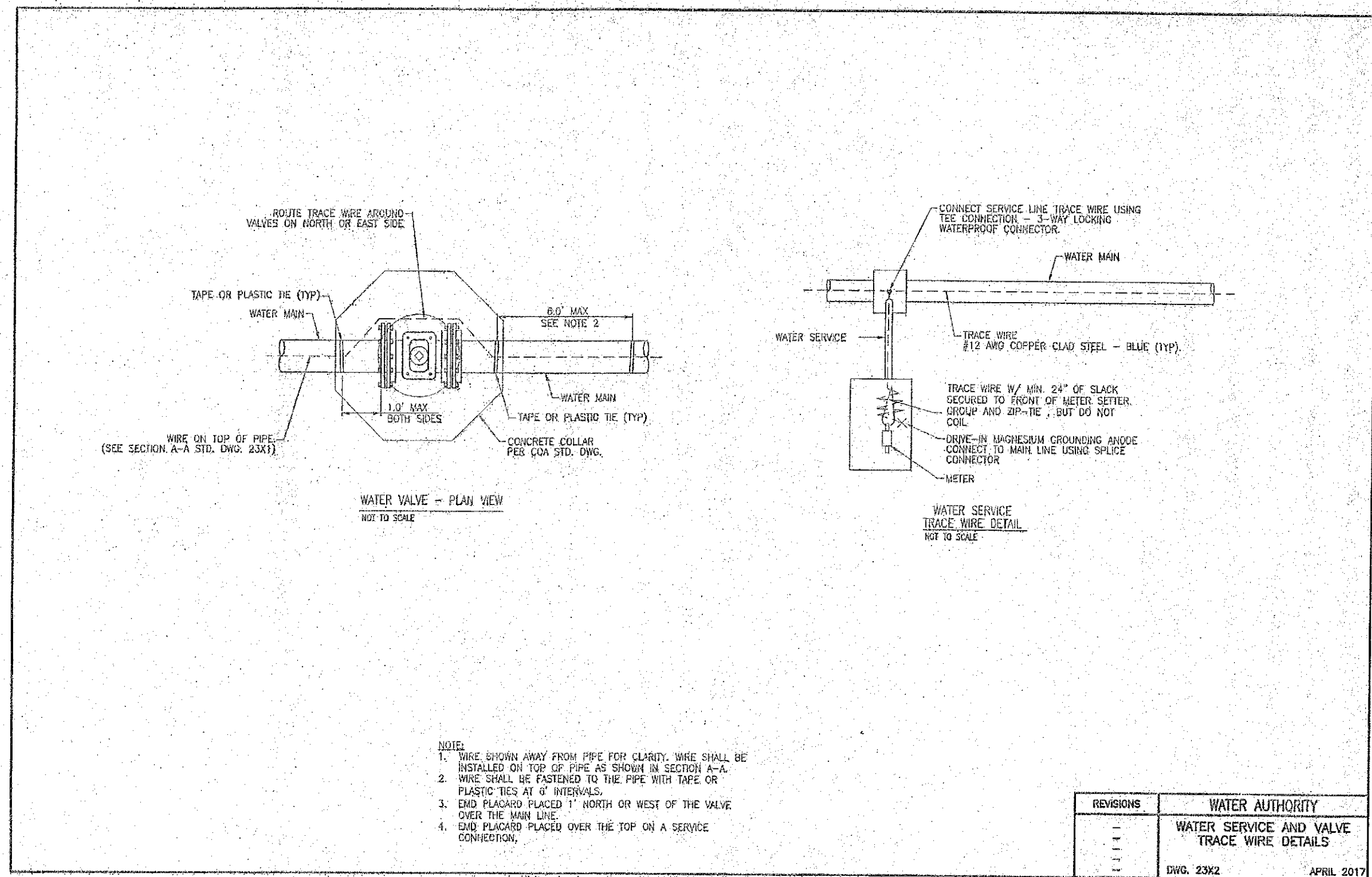
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT

TITLE: VALLE DE ATRISCO
TRACT RR-3-A-1 AND RR-3-A-2
UTILITY IMPROVEMENTS


DESIGN REVIEW COMMITTEE APPROVED APR 15 2019
CITY ENGINEER APPROVED JUN 25 2019

CITY PROJECT NO. 614194 ZONE MAP NO. P-9-Z SHEET 13 OF 15

5170	177.25 LF OF NEW 24" RCP III SD SLOPE=1.00% Q100= 25cfs V100= 10.9fps	5170	5150	275.62 LF OF NEW 24" RCP III SD SLOPE=1.87% Q100= 25cfs V100= 8.0fps	5170	5150	219.60 LF OF NEW 30" RCP III SD SLOPE=2.37% Q100= 44.1cfs V100= 9.0fps	109.75 LF OF NEW 36" RCP III SD SLOPE=2.37% Q100= 83.29cfs V100= 11.8fps	140.01 LF OF NEW 36" RCP III SD SLOPE=1.23% Q100= 83.29cfs V100= 11.8fps	NAVD 88	5150
5160		5160	5140	33.76 LF OF NEW 24" RCP III SD SLOPE=1.01%	5160	5140			14.63 LF OF NEW 18" RCP III SD SLOPE=1.23%		5140
5150		5150	5130		5150	5130			16.52 LF OF NEW 18" RCP III SD SLOPE=1.09%		5130
5140		5140	5120		5140	5120					5120
5130		5130	5110		5130	5110					5110
5120		5120	5100		5120	5100					5100
5110		5110	5090		5110	5090					5090
5100		5100	5080		5100	5080					5080
5090		5090	5070		5090	5070					5070
5080		5080	5060		5080	5060					5060

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	<h1 style="margin: 0;">CITY OF ALBUQUERQUE PLANNING DEPARTMENT</h1>												
TITLE: VALLE DE ATRISCO ON-SITE PUBLIC WATERLINE TRACER WIRE DETAILS													
DESIGN REVIEW COMMITTEE	CITY ENGINEER - APPROVAL	LAST DESIGN UPDATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="padding: 2px;">MO./DAY/YR.</th> <th style="padding: 2px;">MO./DAY/YR.</th> </tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> <tr><td style="height: 20px;"></td><td></td></tr> </table>	MO./DAY/YR.	MO./DAY/YR.								
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CITY PROJECT NO.	ZONE MAP NO. P-9-Z	SHEET 15 OF 15											