

Easement Notes

- 1

EXISTING 7' P.U.E. (1/7/2000, 2000C-7)
- 2

EXISTING PRIVATE ACCESS EASEMENT FOR THE BENEFIT OF LOT 6-A-1 (1/7/2000, 2000C-7) SHOWN HEREON AS 
- 3

EXISTING 10' PNM JOINT ELECTRIC AND GAS EASEMENT (9/25/2002, PG. 2644, DOC. NO. 2002122985)
- 4

PRIVATE 5' IRRIGATION LINE EASEMENT, BENEFITING LOTS 1-8 AND MAINTAINED BY THE UNDERLYING OWNER GRANTED WITH THE FLING OF THIS PLAT
- 5

WATER METER EASEMENT GRANTED TO ABCWUA WITH THE FLING OF THIS PLAT
- 6

FIRE HYDRANT EASEMENT GRANTED TO ABCWUA WITH THE FLING OF THIS PLAT
- 7

PRIVATE ACCESS EASEMENT, BENEFITING LOTS 1-8 AND MAINTAINED BY THE UNDERLYING OWNER GRANTED WITH THE FLING OF THIS PLAT
- 8

PUBLIC WATER AND SEWER EASEMENT GRANTED TO ABCWUA WITH THE FLING OF THIS PLAT
- 9

10' P.U.E. GRANTED WITH THE FLING OF THIS PLAT
- 10

20' PUBLIC WATERLINE EASEMENT GRANTED TO ABCWUA WITH THE FLING OF THIS PLAT

Public Utility Easements

- PUBLIC UTILITY EASEMENTS shown on this plat are granted for the common and joint use of:
- A.

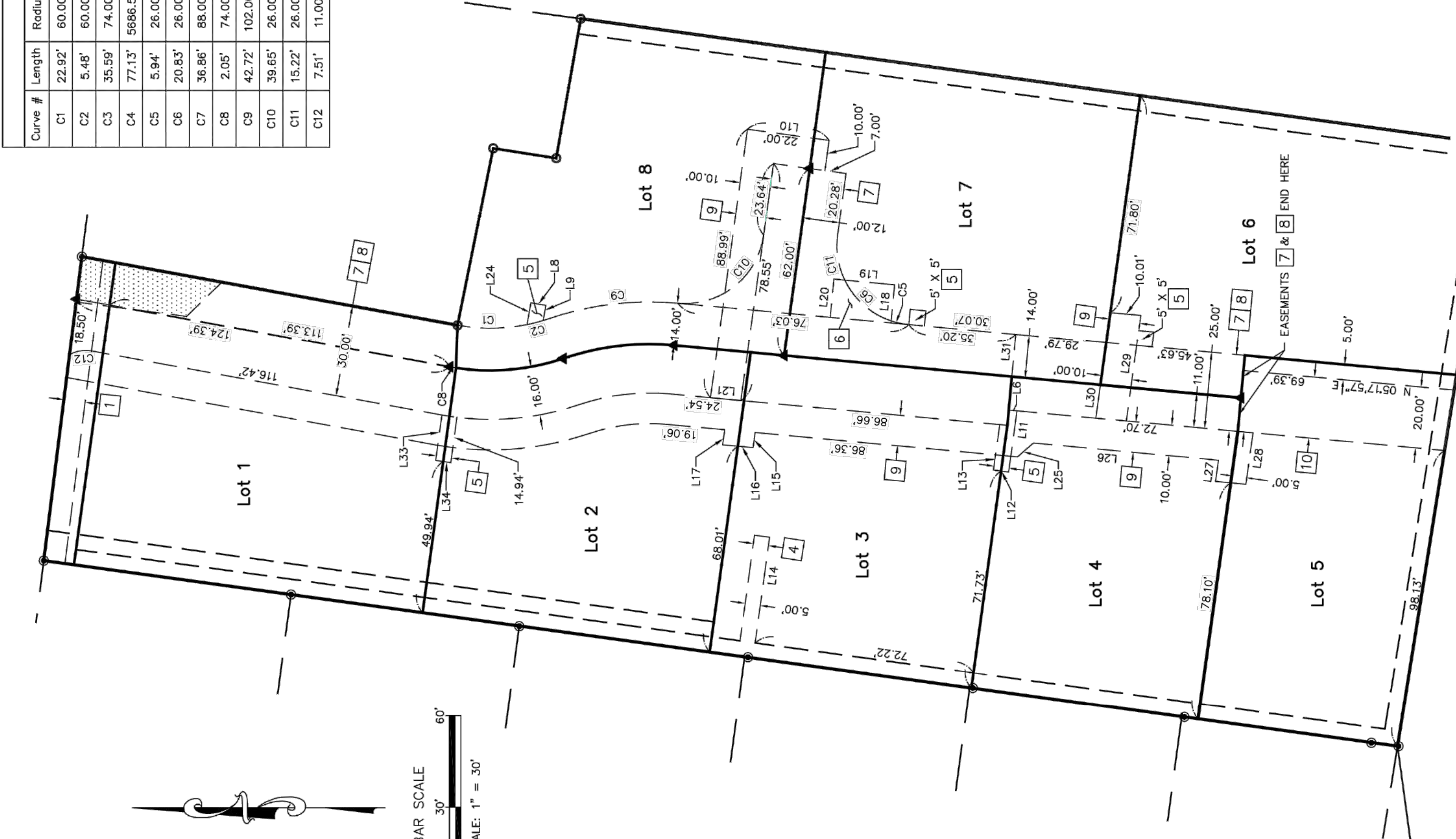
Public Service Company of New Mexico ("PNM"), a New Mexico corporation, (PNM Electric) for installation, maintenance, and service of overhead and underground electrical lines, transformers, and other equipment and related facilities reasonably necessary to provide electrical services.
- B.

New Mexico Gas Company for installation, maintenance, and service of natural gas lines, valves and other equipment and facilities reasonably necessary to provide natural gas services.
- C.

Qwest Corporation d/b/a CenturyLink QC for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide communication services.
- D.

Cable TV for the installation, maintenance, and service of such lines, cable, and other related equipment and facilities reasonably necessary to provide Cable services.
- Included, is the right to build, rebuild, construct, reconstruct, locate, relocate, change, remove, replace, modify, renew, operate and maintain facilities for purposes described above, together with free access to, from, and over said easements, with the right and privilege of going upon, over and across adjoining lands of Grantor for the purposes set forth herein and with the right to utilize the right of way and easement for the installation, maintenance, and service of such lines, cable, and other equipment and facilities reasonably necessary to provide communication services, and remove trees, shrubs or bushes which interfere with the purposes set forth herein. No building, sign, pool (aboveground or subsurface), hot tub, concrete or wood pool decking, or other structure shall be erected or constructed on said easements, nor shall any well be drilled or operated thereon. Property owners shall be solely responsible for correcting any violations of National Electrical Safety Code by construction of pools, decking, or any structures adjacent to or near easements for electric transformer/switchgears, as installed, shall extend ten (10) feet in front of transformer/switchgear doors and five (5) feet on each side.

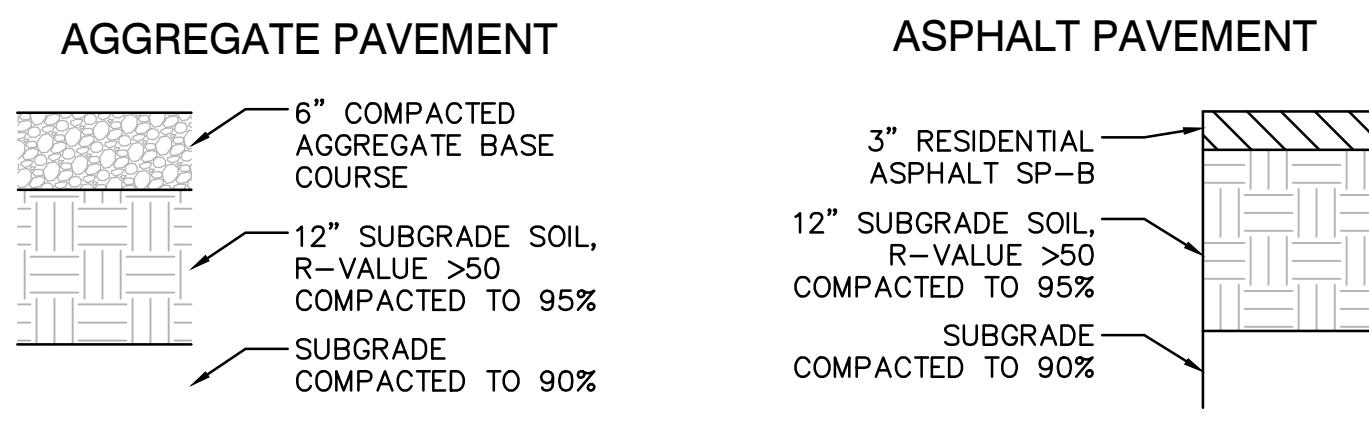
Disclaimer.
In approving this plat, Public Service Company of New Mexico (PNM) and New Mexico Gas Company (NMGC) did not conduct a Title Search of the properties shown hereon. Consequently, PNM and NMGC do not waive or release any easement or easement rights which may have been granted by prior plat, replat or other document and which are not shown on this plat.



Curve Table				
Curve #	Length	Radius	Delta	Chord Length
C1	22.92'	60.00'	21°53'14"	22.78'
C2	5.48'	60.00'	5°13'57"	5.48'
C3	35.59'	74.00'	27°33'27"	35.28'
C4	77.13'	5966.58'	0°46'38"	77.13'
C5	5.94'	26.00'	13°05'04"	5.92'
C6	20.83'	26.00'	45°54'30"	20.28'
C7	36.86'	88.00'	23°59'55"	36.59'
C8	2.05'	74.00'	1°55'12"	2.05'
C9	42.72'	102.00'	23°59'55"	42.41'
C10	39.65'	26.00'	87°22'48"	35.92'
C11	15.22'	26.00'	33°32'07"	15.00'
C12	7.51'	11.00'	39°07'32"	7.37'

Line Table		
Line #	Direction	Length (ft)
L1	S 76°37'11" E (S 79°45'48" E)	59.16' (59.48')
L2	S 08°56'37" W (S 09°44'47" W)	20.92' (21.78')
L3	S 80°02'54" E (S 80°15'13" E)	46.41' (46.05')
L4	S 87°59'28" E	14.12'
L5	S 84°42'03" E	14.00'
L6	S 05°17'57" W	2.72'
L7	S 84°42'03" E	11.00'
L8	S 09°57'06" W	5.00'
L9	N 80°02'54" W	5.00'
L10	S 07°49'38" W	27.00'
L11	N 82°11'21" W	20.24'
L12	N 07°48'39" E	5.00'
L13	S 82°11'21" E	15.01'
L14	N 82°11'21" W	34.90'
L15	N 82°11'21" W	5.00'
L16	N 05°17'57" E	10.01'
L17	S 82°11'21" E	5.00'
L18	N 84°30'03" W	12.58'
L19	S 05°29'57" W	20.00'
L20	S 84°30'03" E	12.58'
L21	S 05°17'57" W	10.01'
L22	S 82°50'50" E	22.34'
L23	S 84°42'03" E	25.00'
L24	S 80°02'54" E	7.24'
L25	S 40°51'07" E	6.93'
L26	S 05°17'57" W	80.90'
L27	N 82°06'36" W	7.01'
L28	S 82°06'36" E	17.02'
L29	S 82°10'22" E	35.03'
L30	S 82°10'22" E	11.01'
L31	S 84°42'03" E	14.00'
L32	S 84°42'03" E	16.00'
L33	S 82°11'21" E	15.01'
L34	N 07°48'39" E	5.00'

Plat for
Bosque Escondido
Being Comprised of
Tract 6-A-2, Fourth
Street Homesites Addition
City of Albuquerque
Bernalillo County, New Mexico
November 2020

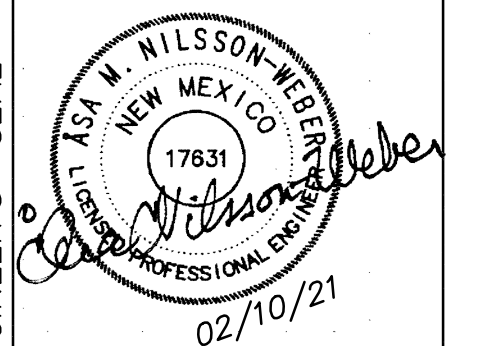


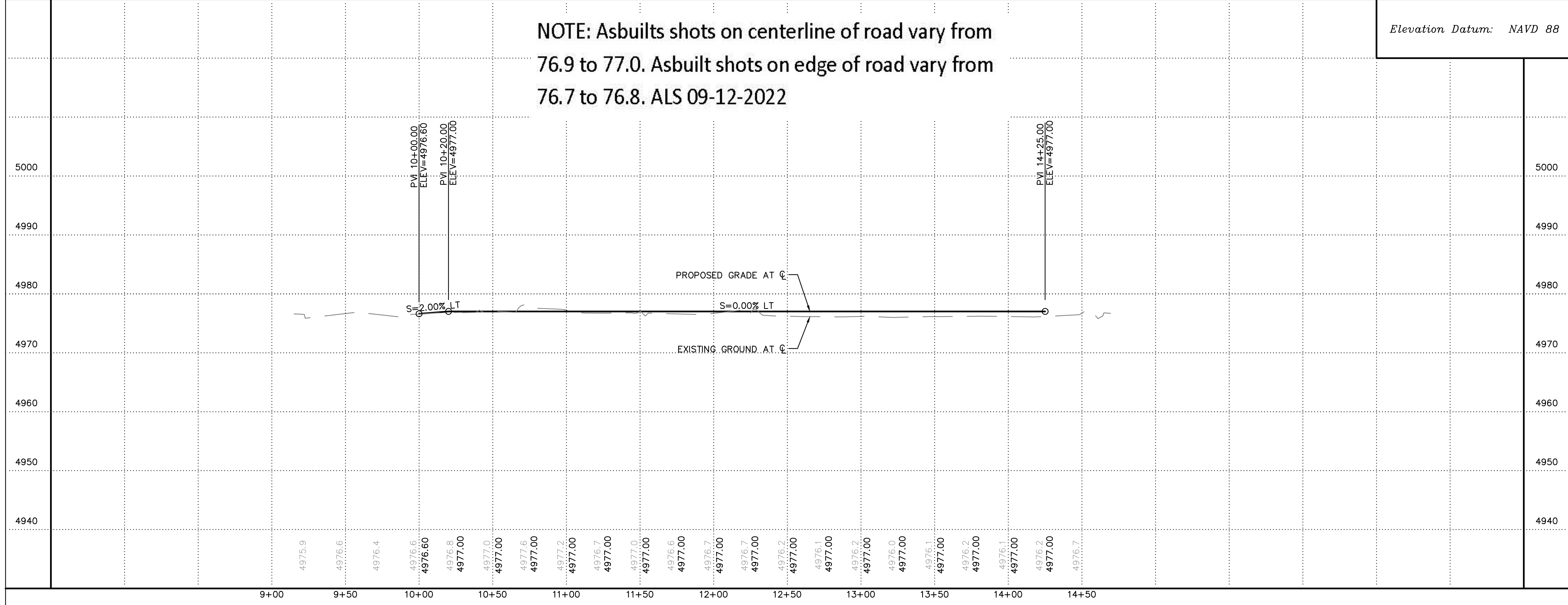
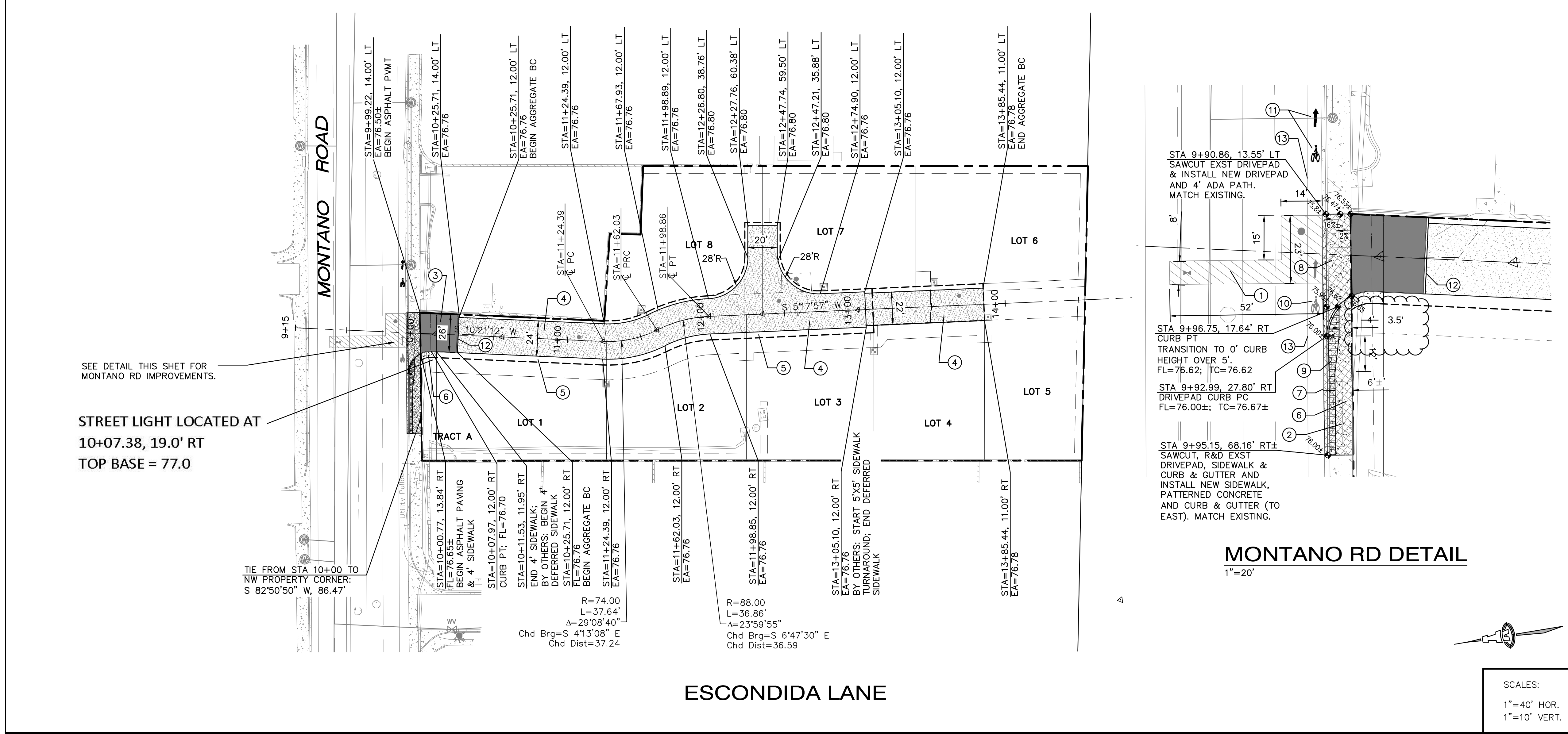
SCALE: N.T.S

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DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	Mo./DAY/YR.	Mo./DAY/YR.
APPROVED April 13, 2021... DESIGN REVIEW COMMITTEE					
City Project No. 489791		Zone Map No. F-14	Sheet 5	Of 10	

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PAVING NOTES

- REMOVE AND REPLACE ARTERIAL PAVEMENT (70 SY±) PER COA STD DWG #2465.
- SAWCUT, REMOVE AND DISPOSE CONCRETE DRIVEPADS AND SIDEWALK (73 SY±).
- INSTALL ASPHALT PAVEMENT PER SECTION ON SHEET 5.
- INSTALL BASE COURSE PAVEMENT PER SECTIONS ON SHEET 5.
- DEFERRED SIDEWALK BY HOME BUILDER: INSTALL 4' SIDEWALK PER COA STD DWG #2430 WITH TURNED-DOWN EDGE ADJACENT TO AGGREGATE BASE COURSE PER DETAIL ON SHEET 5.
- INSTALL PCC SIDEWALK PER COA STD DWG #2430.
- REMOVE & DISPOSE CURB & GUTTER (38 LF±); INSTALL STD CURB AND GUTTER (40 LF±) PER COA STD DWG #2415A. MATCH EXISTING GRADE AND LOCATIONS.
- INSTALL PCC DRIVEPAD WITH 4' ADA PATH PER COA STD DWG #2425, MODIFIED WITH 15' RADIUS CURB RETURN ON WEST SIDE PER DETAIL THIS SHEET. TRANSITION FROM 4' TO EXISTING ADA PATH WIDTH OVER 5' ON EAST SIDE.
- INSTALL 4" PATTERNED CONCRETE. MATCH EXISTING PATTERN AND COLOR. TRANSITION FROM EXISTING WIDTH OF PATTERNED CONCRETE TO 4' PER DIMENSIONS ON DETAIL.
- ERADICATE BICYCLE SYMBOL WITH WATER BLASING.
- INSTALL NEW BICYCLE SYMBOL AND ARROW. REPLACE ALL STRIPING DAMAGED DURING CONSTRUCTION.
- INSTALL CUT-OFF WALL PER COA STD DWG #2415B.
- ERADICATE WHITE STRIPE ACROSS ENTRANCE FROM STA 9+84.00, 25.5' LT TO STA 9+86.50, 28.10' RT.

CONTRACTOR INFORMATION

CONTRACTOR	WORK	DATE
BY	DATE	DATE
BY	DATE	DATE
BY	DATE	DATE

ENGINEER'S SEAL

RECORD DRAWING

Isaacson & Arfman, Inc.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico | 505-268-8828 | www.iacvil.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

BOSQUE ESCONDIDO
PAVING PLAN & PROFILE

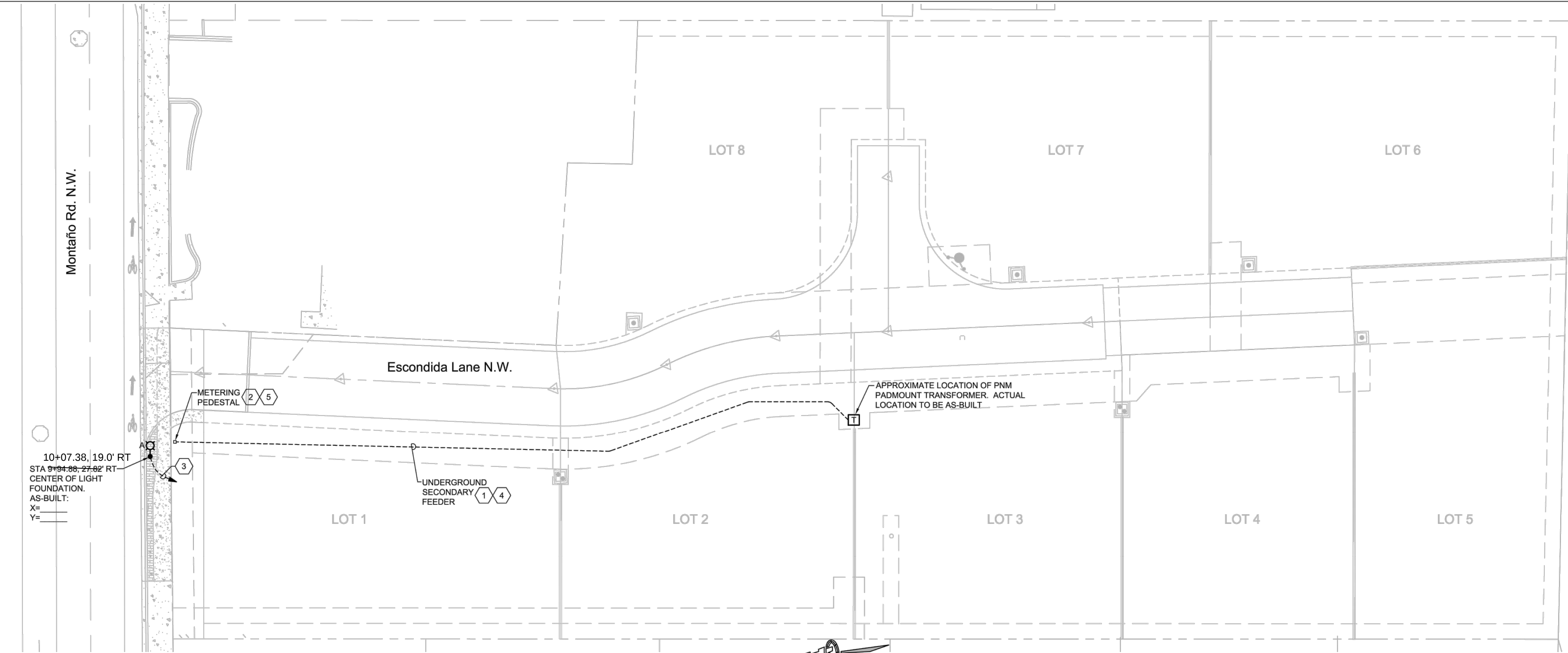
DESIGN REVIEW COMMITTEE
APPROVED
April 13, 2021
DESIGN REVIEW COMMITTEE

DESIGNED BY ANW
DRAWN BY DEC
CHECKED BY ANW

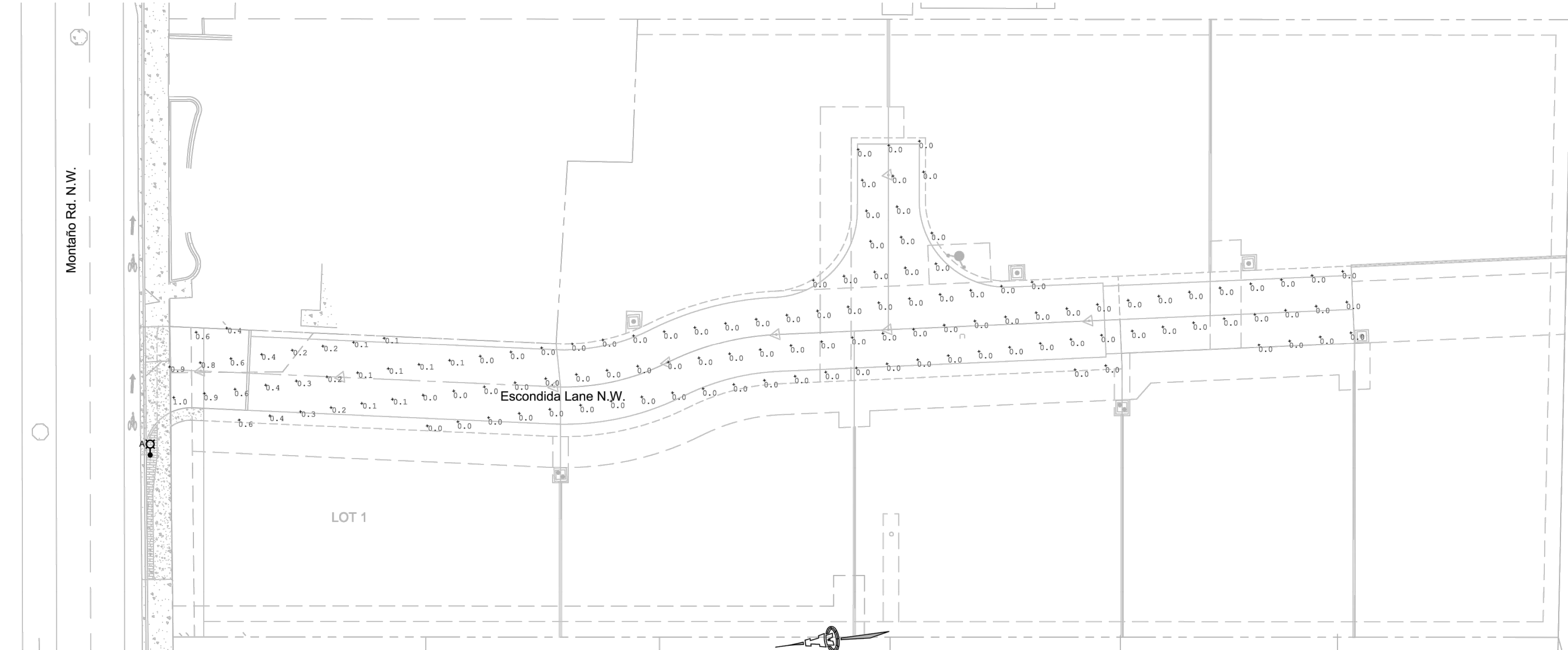
DATE 02/2021
DATE 02/2021
DATE 02/2021

City Project No. 489791
Zone Map No. F-14
Sheet 6 **Of** 10

F:\21105 - Montano Street Light\21105_GAD\Drawings\Electrical\21105_E_Electrical_Plan.dwg User: 2/10/2021 10:11 AM



ELECTRICAL SITE PLAN



SITE PHOTOMETRIC PLAN

KEYED NOTES

1. REFER TO POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
2. NEW METERING PEDESTAL. REFER TO POWER RISER DIAGRAM FOR ADDITIONAL INFORMATION.
3. HOMERUN TO A 20A/1P CIRCUIT BREAKER IN METERING PEDESTAL.
4. CONDUIT SHALL BE BURIED A MINIMUM OF 36" BELOW FINISHED GRADE. COORDINATE ROUTING WITH PNM PRIOR TO ROUGH-IN.

WARNING

IF ANY UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES ARE SHOWN ON THESE DRAWINGS, THEY ARE SHOWN IN AN APPROXIMATE MANNER ONLY, AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. IF ANY SUCH EXISTING LINES ARE SHOWN, THE LOCATION IS BASED UPON INFORMATION PROVIDED BY THE UTILITY OR PIPELINE COMPANY, THE OWNER OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE, OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.

THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFORE. THE CONTRACTOR SHALL INFORM ITSELF TO THE LOCATION OF ANY UTILITY LINE, PIPELINE OR UNDERGROUND UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE CONTRACTOR IS FULLY RESPONSIBLE OF ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THE CONTRACTOR SHALL COMPLY WITH STATE STATUTES, MUNICIPAL AND LOCAL ORDINANCES, RULES, AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES IN PLANNING AND CONDUCTING EXCAVATION, WHETHER BY CALLING OR NOTIFYING THE UTILITIES, COMPLYING WITH "NM ONE CALL" PROCEDURES, OR OTHERWISE.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
CONTRACTOR	DATE	ACCS MONUMENT "DOUGLAS"	FIELD NOTES	NO.	DATE	BY	REMARKS	DESIGNED BY	DATE	DRAWN BY	DATE
INSPECTOR'S	DATE	NAD 1983 CENTRAL ZONE									
FIELD /ANCE BY	DATE	X=1,520,286.421									
VERIFICATION BY	DATE	Y=1,505,417.495									
CORRECTED BY	DATE	ELEV.=4975.078 (NAVD 1988)									
MICRO-FILM INFORMATION		GND/GRID=0.999682452									
RECORDED BY	DATE	ANGLE=013°52.53"									
NO.											



RECORD DRAWING

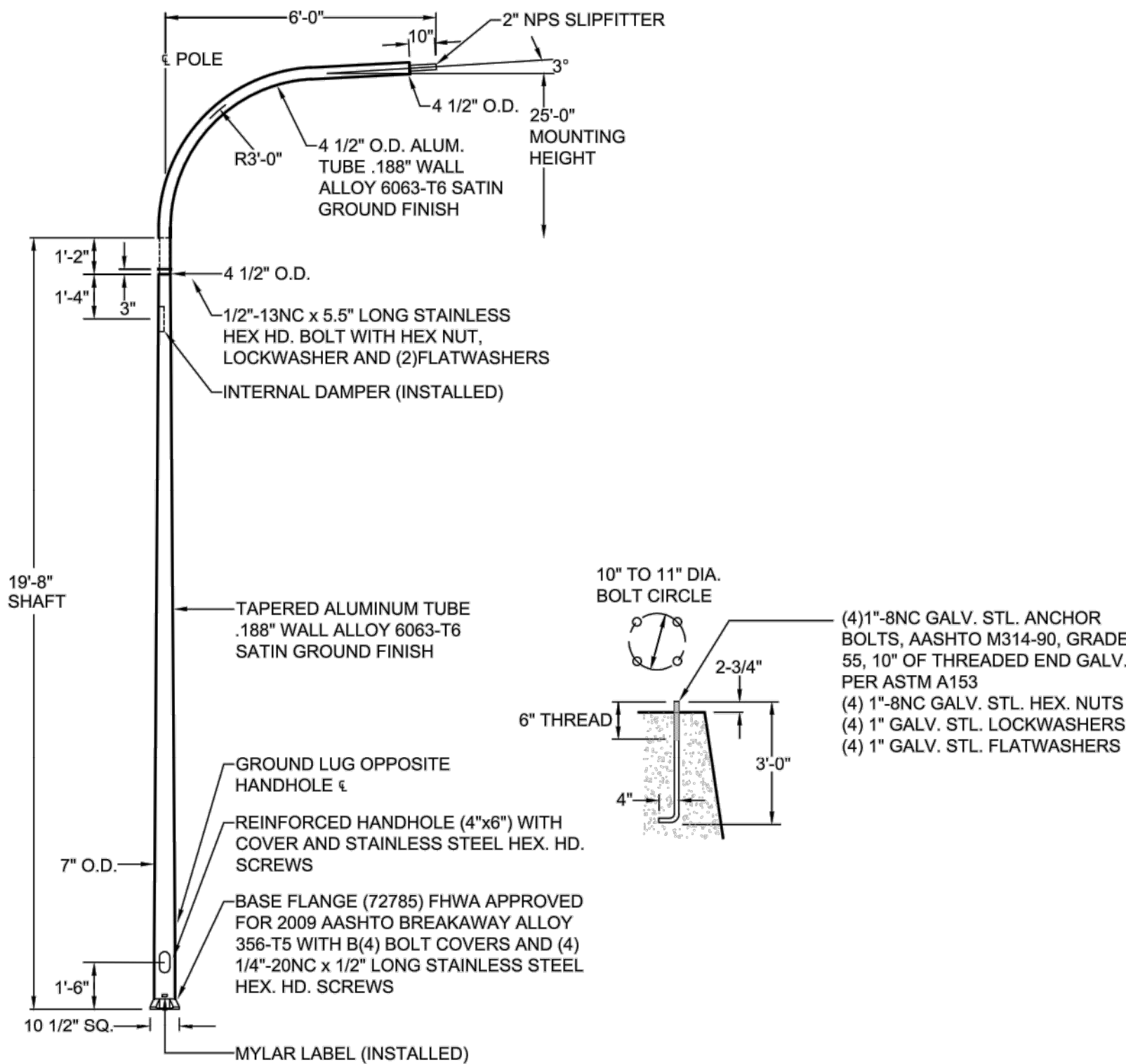


CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

BOSQUE ESCONDIDO
ELECTRICAL PLANS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
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489791	F-14	7	10

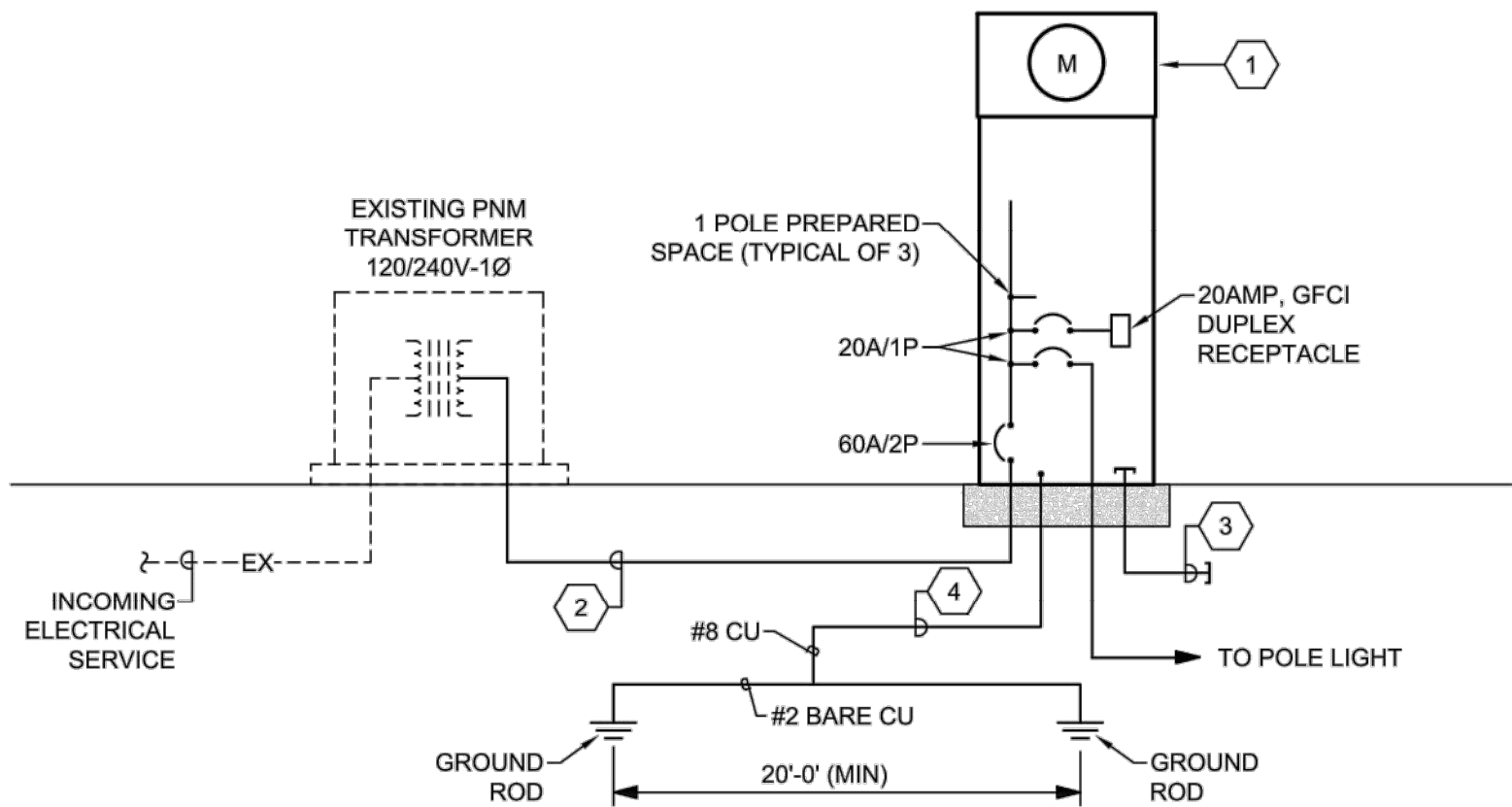
- NOTES:
- POLE DESIGN MEETS THE 4TH EDITION (2009) OF THE AASHTO SPECIFICATIONS FOR A 90 MPH (3 SECOND GUST) WIND SPEED WITH A LUMINAIRE SIZE OF 1.44 SQ. FT. EPA AND 44 LBS.
 - POLE MEETS 2009 ASSHTO BREAKAWAY REQUIREMENTS.



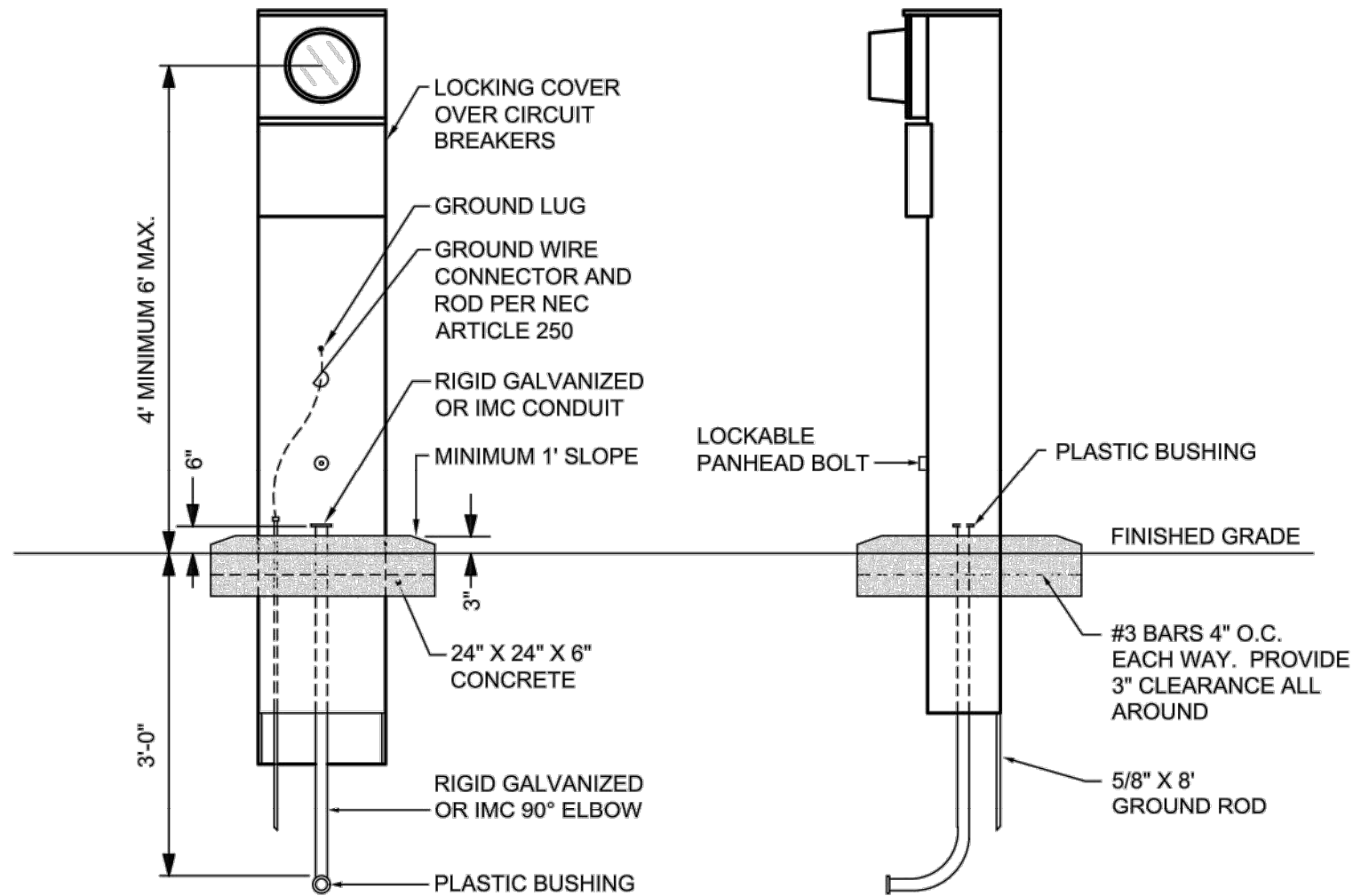
FIXTURE TYPE 'A' DETAIL

NOT TO SCALE

LIGHT FIXTURE SCHEDULE				
TYPE	FIXTURE DESCRIPTION	LAMPS	MOUNTING	
A	POLE MOUNT FIXTURE, LED, 5110 LUMENS, COBRA HEAD, FULL CUT-OFF, 6FT SINGLE DAVIT ARM, 19'-8" FT TAPERED ALUMINUM POLE, TWIST-LOCK PHOTOCCELL, GRAY FINISH, 120 VOLT LUMEC #RF2-40W20LED-4K-G2-R3M-UNV-DMG-PH8-RC-D7-GY3(HEAD) HAPCO #68830 (POLE)	1-40W LED 4000°K	SEE DETAIL THIS SHEET	



POWER RISER DIAGRAM



METERING PEDESTAL DETAIL

NO SCALE

LOAD SUMMARY-METER PEDSTAL	
DESCRIPTION	
METERING PEDESTAL ESTIMATED DEMAND PER NEC 220	
LIGHTING (0.1 KVA CONN) AT 125% (CONTINUOUS LOAD)	0.1 KVA
RECEPTACLES (0.2 KVA CONN) FIRST 10 KVA AT 100% REMAINING AT 50%	0.2 KVA
TOTAL ESTIMATED LOAD:	0.3 KVA
1.3 AMPERES AT 120/240V-1Ø-3W	
∴ MINIMUM RECOMMENDED SERVICE SIZE =	60 AMPS

KEYED NOTES

- 120/240 VOLT, SINGLE PHASE, 100 AMP METERING PEDESTAL WITH A 60A-2P MAIN CIRCUIT BREAKER AND A TOTAL OF (2) 20A-1P BRANCH CIRCUIT BREAKERS. (3) 1-POLE PREPARED SPACES, AND (1) 20A GFCI DUPLEX RECEPTACLE. EQUAL TO MILBANK #U5136-O-200S-10GR. SEE DETAIL THIS SHEET FOR MOUNTING. REFER TO PNM DRAWING MS-5-1.5 FOR REQUIREMENTS.
- 3#4 XHHW-2 COPPER OR 3#3 XHHW-2 ALUMINUM IN 1 1/4" CONDUIT.
- EXTEND 3/4" CONDUIT WITH WITH PULLWIRE 5FT BEYOND METERING PEDESTAL AND CAP. (TYPICAL OF 3).
- PROVIDE AND INSTALL 1 #2 BARE COPPER GROUND 30" BELOW FINISHED GRADE. INSTALL (2) 8'-0"x6/8" COPPER CLAD GROUND RODS, ONE AT EACH END OF THE #2 COPPER GROUND. EXTEND 1 #8 COPPER GROUND FROM METERING PEDESTAL TO #2 COPPER GROUND. PROVIDE CADWELDS BELOW GROUND. PER 2017 NEW MEXICO ELECTRICAL CODE 14.10.4.11(G).

ELECTRICAL SPECIFICATIONS

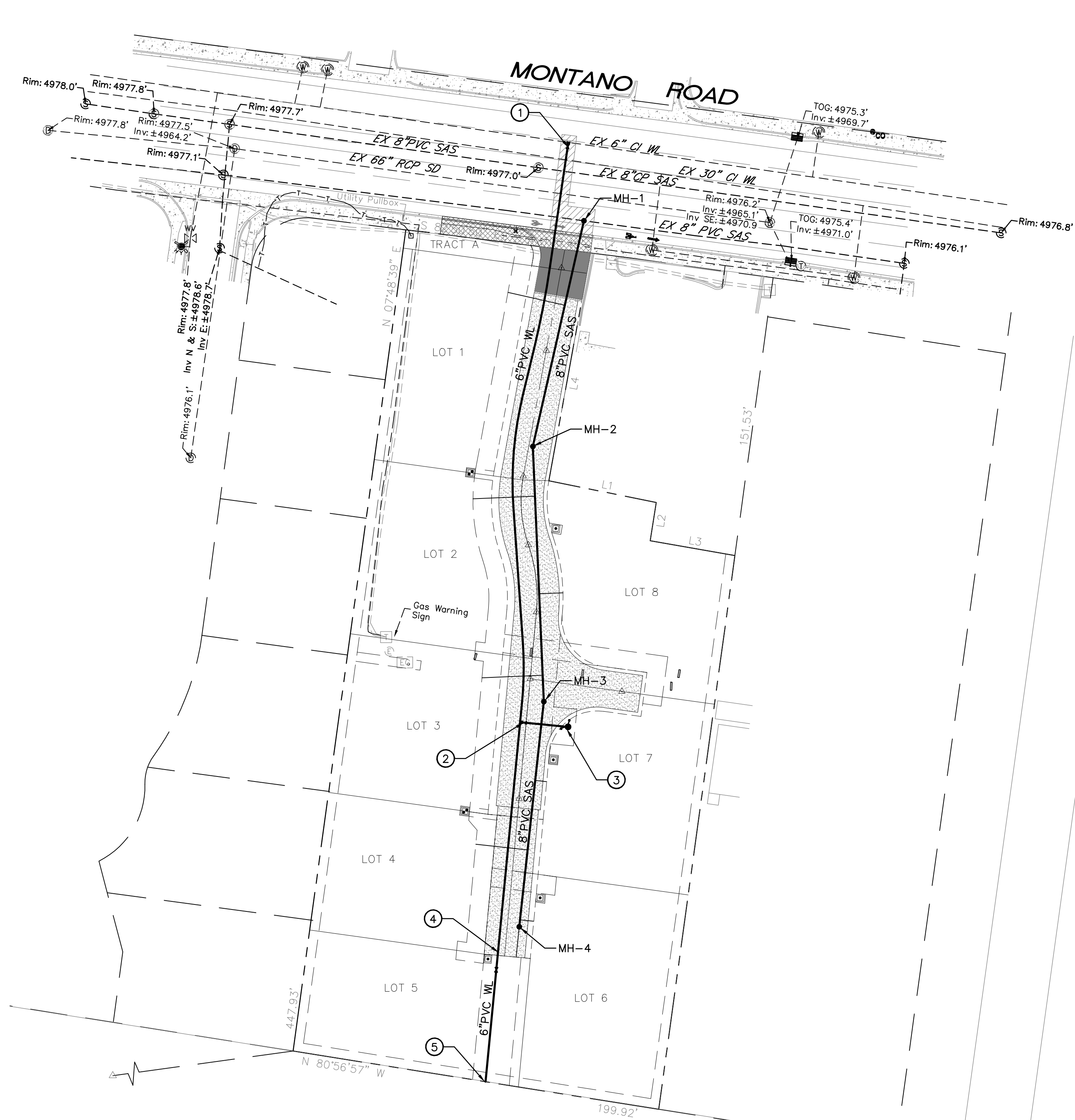
- THE ELECTRICAL CONTRACTOR SHALL PROVIDE AND INSTALL ALL ELECTRICAL FACILITIES IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, PLANS AND ASSOCIATED NOTES. NATIONAL ELECTRICAL CODE, STATE & LOCAL CODES, AND IN A WORKMANLIKE MANNER.
- CONTRACTOR SHALL BECOME FAMILIAR WITH EXISTING CONDITIONS AT JOB SITE.
- THE ELECTRICAL CONTRACTOR SHALL INSTALL ALL THERMOSTATS, CONTROLS AND MAKE REQUIRED CONNECTIONS TO EQUIPMENT FURNISHED BY OTHERS.
- THE ELECTRICAL CONTRACTOR SHALL INCLUDE IN HIS BID THE COSTS OF ALL PERMITS, TESTS AND INSPECTIONS, AND VISIT THE SITE OF WORK BEFORE SUBMITTING BID.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE HIS WORK WITH THE OTHER TRADES AND REFER TO ARCHITECTURAL PLANS TO DETERMINE THE EXACT LOCATION OF OUTLETS.
- THE ELECTRICAL CONTRACTOR SHALL GUARANTEE ALL WORK AND MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE.
- A SET OF MARKED UP PRINTS SHALL BE PREPARED SHOWING ALL CHANGES MADE DURING CONSTRUCTION AND TURN IT OVER TO THE OWNER AT THE END OF THE JOB. ALL CHANGES MUST HAVE THE OWNERS APPROVAL.
- ANY DISCREPANCY BETWEEN MATERIAL DESCRIPTION AND CATALOG NO. SHALL BE BROUGHT TO THE ARCHITECTS, ENGINEERS, OR OWNERS ATTENTION IMMEDIATELY.
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS OR CUT SHEETS ON PEDESTAL.
- INTERRUPTION OF ANY ELECTRICAL SERVICES SHALL BE COORDINATED WITH THE OWNER AT LEAST 7 DAYS PRIOR TO THE INTENDED OUTAGE AND SHALL BE REQUESTED IN WRITING WITH A COPY TO THE ARCHITECT AND OWNER.
- ALL CONDUCTORS TO BE #12 AWG THWN EXCEPT WHERE OTHERWISE SHOWN OR NOTED. IT IS PERMISSIBLE FOR THE CONTRACTOR TO USE THHN WIRING IN EXISTING CONDUITS.
- 120 VOLT BRANCH CIRCUIT RUNS WHICH EXCEED ONE HUNDRE FEET IN LENGTH SHALL BE #10 THWN.
- MAINTAIN THE SAME COLOR CODING FOR 120/240V-1Ø-3W CIRCUITS THROUGHOUT.
- ALL CONDUIT WHICH COMES IN CONTACT WITH EARTH SHALL BE WRAPPED IN SCOTCH WRAP #51 OR PLASTIC COATED. ALL FEEDERS AND HOMERUNS SHALL BE 1" MINIMUM.
- UNDERGROUND CONDUITS SHALL BE SCHEDULE 40 PVC WITH GALVANIZED RIGID CONDUIT ELBOWS AND RISERS.
- ALL PULLBOXES SHALL BE CODE GA. AND MEET THE MINIMUM SIZES AS RECOMMENDED BY N.E.C.



CITY OF ALBUQUERQUE
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POWER RISER DIAGRAM AND DETAILS

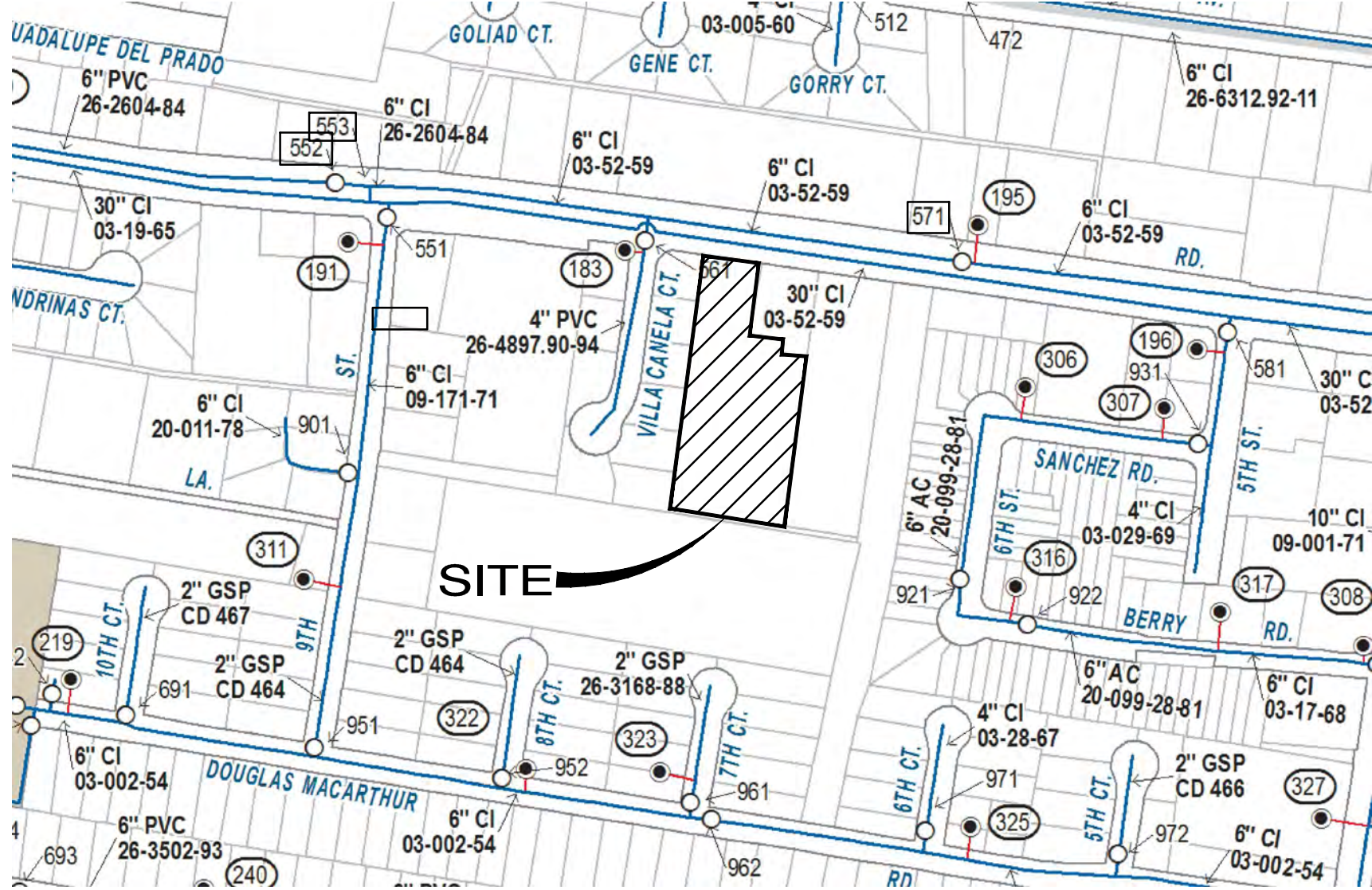
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APPROVED April 13, 2021 DESIGN REVIEW COMMITTEE			
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ⓧ AS-BUILT COORDINATES			
NOS.	X	Y	Z
1	1506621.88	1522736.34	4976.77
2	1506322.36	1522715.97	4976.92
3	1506320.44	1522739.33	4977.28
4	1506188.57	1522703.23	4976.92
5	1506128.77	1522694.17	4973.12

AS-BUILT MANHOLE COORDINATES
MH 1 1506593.27 1522747.00 4976.12
MH 2 1506472.74 1522720.61 4976.90
MH 3 1506333.19 1522726.05 4976.83
MH 4 1506212.15 1522713.05 4976.73

AS-BUILT WATER METER COORDINATES
1/2 1506456.94 1522685.05 4976.80
3/4 1506275.61 1522682.82 4976.81
5 1506195.21 1522695.56 4976.85
6 1506227.86 1522725.10 4976.84
7 1506302.66 1522732.10 4976.55
8 1506428.62 1522733.29 4976.80



WATER SHUT-OFF PLAN
NON-PRESSURE CONNECTION IN MONTANO ROAD
SHUT OFF VALVES 552, 553 & 571

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 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.abcwua.org/Water_Shut_off_and_Turn_on_Procedures.aspx.

RESTRAINED JOINT CRITERIA FOR WL FITTINGS NOTES:

- ALL MECHANICAL JOINTS SHALL BE RESTRAINED AT THE FITTING.
- THE CONTRACTOR SHALL PROVIDE A MINIMUM PIPE LENGTH OF 20 LF FROM ALL MECHANICAL JOINTS. ALL PIPE JOINTS WITHIN 20 LF OF A MECHANICAL JOINT SHALL BE RESTRAINED AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL RESTRAIN ALL PIPE JOINTS IN THE SPECIFIED DISTANCE LISTED IN THE TABLE ON THIS SHEET.
- THE CONTRACTOR SHALL RESTRAIN ALL FIRE HYDRANT JOINTS FROM THE TEE ON THE MAIN TO THE FIRE HYDRANT FLANGE.

RESTRAINED JOINT LENGTHS, L _r , FOR REDUCERS, (FT.)					
SIZE	HORZ. BENDS				VALVES & DEAD ENDS
	90°	45°	22 1/2°	11 1/4°	
12	37	15	8	4	102
10	31	13	7	4	87
8	27	11	6	3	72
6	20	9	4	2	55
4	15	6	3	2	39

RESTRAINED JOINT LENGTHS, L _r , FOR REDUCERS, (FT.)				
MINIMUM UNOBSTRUCTED, STRAIGHT-RUN LENGTH: RESTRAIN EITHER LARGE PIPE, OR SMALL PIPE.				
SIZE	LARGE SIDE		SIZE	LARGE SIDE
12x10	30		10x6	53
12x8	54		10x4	71
12x6	74		8x6	31
12x4	89		8x4	52
10x8	29		6x4	29

THESE TABLES ARE BASED UPON THE FOLLOWING CRITERIA:

DEPTH OF BURY: 3.0 FT. MINIMUM

FACTOR OF SAFETY: . . 1.5

MATERIAL: PVC

SOIL TYPE: GM/SM — SILTY GRAVELS AND
SILTY SANDS, GRAVEL-SAND-SILT
MIXTURES.

TEST PRESSURE: 150 PSI

TRENCH TYPE 4: PIPE BEDDED IN SAND, GRAVEL, OR
CRUSHED STONE TO DEPTH OF 1/8
PIPE DIAMETER, 4 INCH MINIMUM;
BACKFILL COMPACTED TO TOP OF
PIPE.

DIFFERENT CRITERIA, E.G., GREATER DEPTH OF BURY, ETC.,
WILL REQUIRE DIFFERENT RESTRAINED LENGTHS. THESE MUST
BE CALCULATED BY A QUALIFIED PROFESSIONAL ENGINEER AND
APPROVED BY ABCWUA.

GENERAL NOTES

- EXISTING UTILITY LINES ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND MAY BE INCOMPLETE OR OBSOLETE. SUCH LINES MAY OR MAY NOT EXIST WHERE SHOWN OR NOT SHOWN. ALL UTILITIES SHOULD BE FIELD VERIFIED AND LOCATED BY THE CONTRACTOR PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION. THE CONTRACTOR IS FULLY RESPONSIBLE FOR ANY AND ALL DAMAGE CAUSED BY ITS FAILURE TO LOCATE, IDENTIFY AND PRESERVE ANY AND ALL EXISTING UTILITIES, PIPELINES, AND UNDERGROUND UTILITY LINES.
- CONTRACTOR SHALL NOT USE VIBRATORY COMPACTION EQUIPMENT OR HEAVY VEHICLES OVER EXISTING UTILITIES.
- PROPOSED WATERLINE MATERIALS SHALL BE PVC PIPE MEETING AWWA C900 DR-18 REQUIREMENTS (6"-12").
- ALL FITTINGS ON WATERLINES SHALL HAVE RESTRAINED JOINTS PER TABLE THIS SHEET.
- SUPPLEMENTAL SPECIFICATION: ALL SEWER BACKFILL FOR WATER LINE AND SANITARY LINE TRENCHES SHALL BE COMPACTED TO A MINIMUM 95% MAXIMUM DENSITY PER ASTM D-1557.
- ALL WATER VALVE BOXES AND MANHOLES IN THE STREET CONSTRUCTION ARE TO BE ADJUSTED TO FINISH GRADE AND WILL BE MEASURED AND PAID PER EACH.
- CONSTRUCT FIRE HYDRANTS PER DESIGNATED DEPTHS & LENGTHS PER ABCWUA STD DWG #2340.
- SEE ABCWUA STD DWG #2328 & 2329 FOR VALVE RING & COVER DETAIL. SEE ABCWUA STD DWG #2326 FOR VALVE BOX DETAIL.
- INSTALL DUAL CHECK VALVES ON ALL WATER SERVICES.

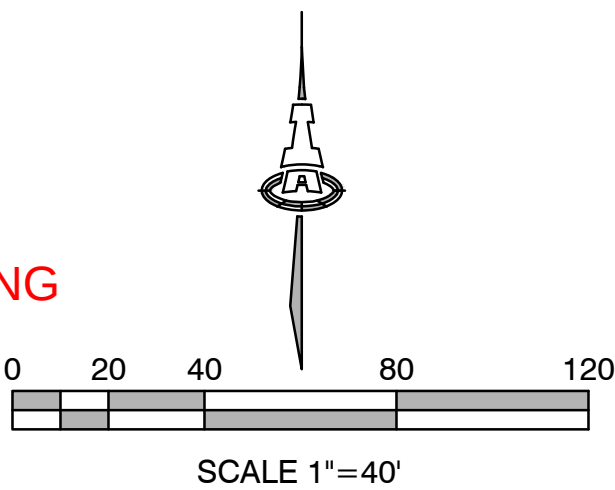
LEGEND

- EXISTING WATERLINE
- EXISTING SEWER LINE
- PROPOSED WATERLINE
- FIRE HYDRANT, FITTING & GATE VALVE
- PROPOSED SAS LINE & MANHOLES
- AREA OF ASPHALT REMOVAL AND REPLACEMENT

LEGEND

- SINGLE WATER METER & BOX
- DOUBLE WATER METER & BOX
- GATE VALVE W/ VALVE BOX
- FIRE HYDRANT
- SAS MANHOLE
- WATER LINE W/ FITTING

RECORD DRAWING



Isaacson & Arfman, Inc.

Consulting Engineering Associates

128 Monroe Street N.E.
Albuquerque, New Mexico | 505-268-8828 | www.iacivil.com

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

BOSQUE ESCONDIDO MASTER UTILITY PLAN

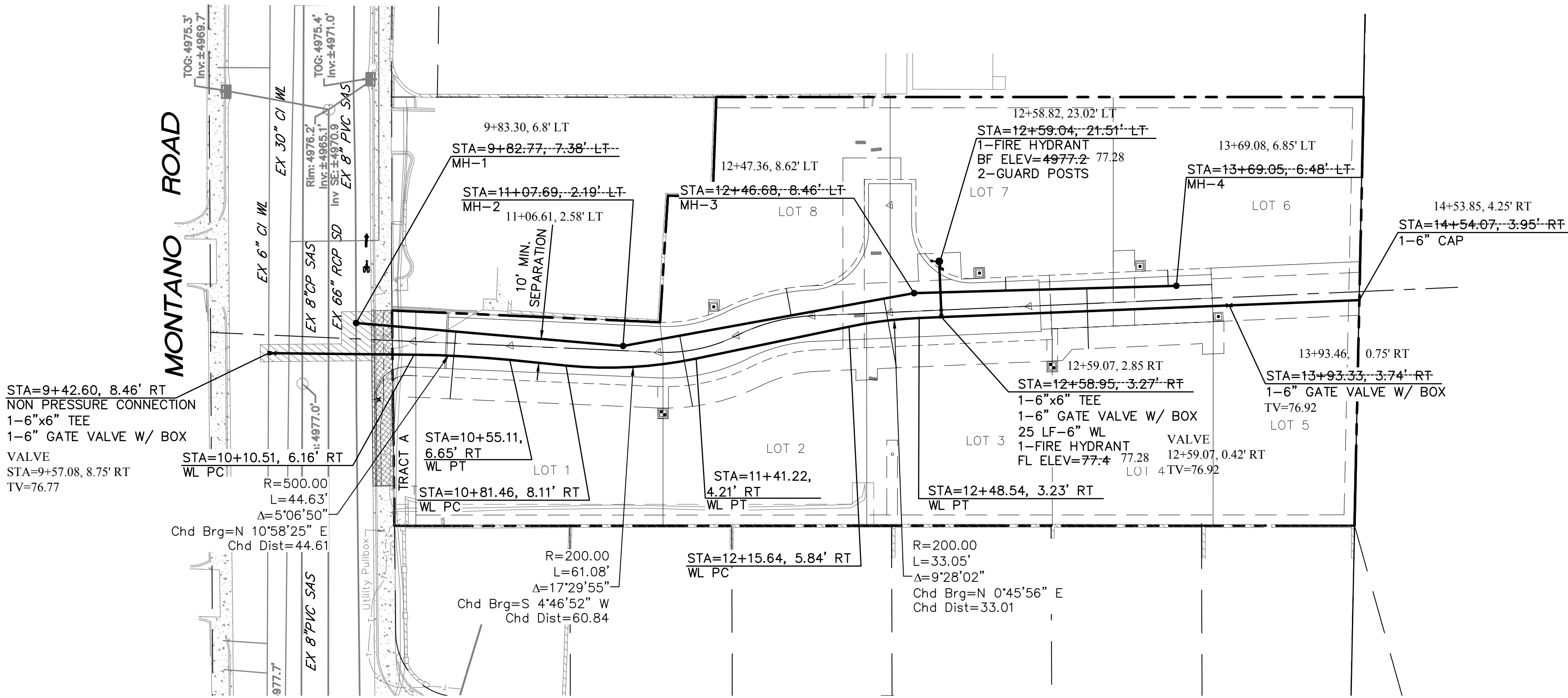
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	Mo./DAY/YR.	Mo./DAY/YR.
APPROVED April 13, 2021 DESIGN REVIEW COMMITTEE			

City Project No. **489791** Zone Map No. **F-14** Sheet **9** Of **10**

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES	
CONTRACTOR	SUNDANCE	ACS MONUMENT "DOUGLAS"					
STAMPED	ALS	NAD 1983 CENTRAL ZONE					
DATE	21	X=1,520,286.421					
DATE	12/21	Y=1,505,417.495					
INSPECTOR'S FIELD VERIFICATION	BY I&A	ELEV.=4975.078 (NAVD 1988)					
DATE	12/21	GND/GRID=0.999682452					
DATE	12/21	ANGLE=0°13'52.53"					
CORRECTED BY	ALS						
RECORDED BY	MICRO-FILM INFORMATION						
NO.							

ENGINEER'S SEAL

NO.	DATE	REMARKS	BY
		REVISIONS	
		DESIGN	
DESIGNED BY	ANW	DATE	02/2021
DRAWN BY	DEC	DATE	02/2021
CHECKED BY	ANW	DATE	02/2021



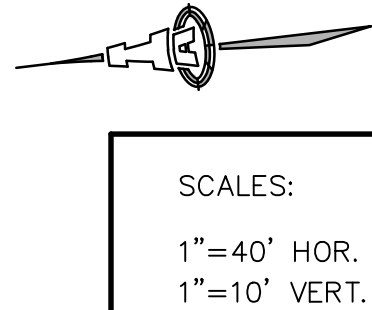
WATER METER NOTES:

- SET ALL METER BOXES AT TOP OF CONCRETE=76.7
- METER BOXES FOR LOTS 5-8 SHALL BE TRAFFIC RATED.

MANHOLE COLLAR NOTE:

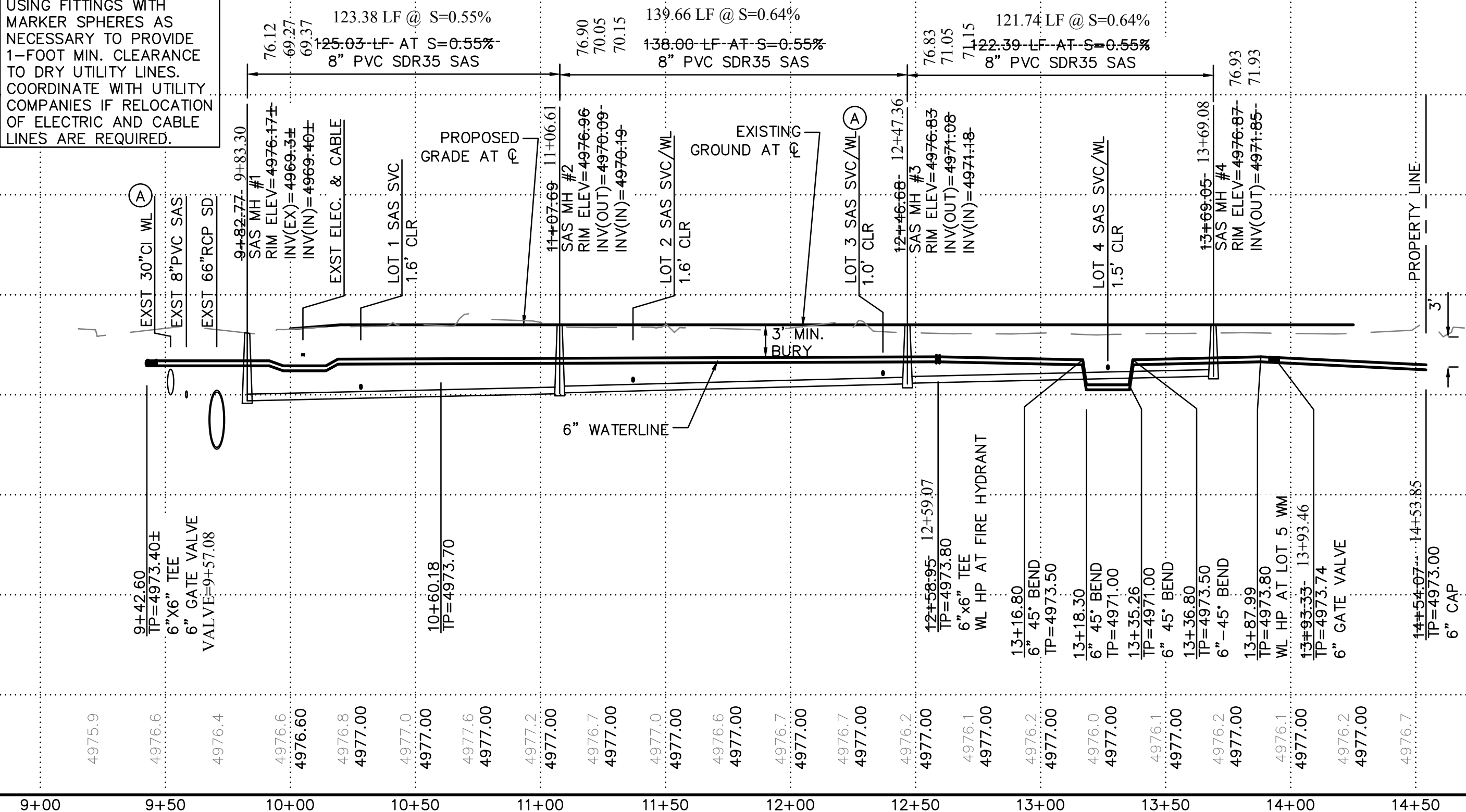
- MANHOLE COLLARS IN GRAVEL ROAD SHALL BE DOMED.

- WATER METERS
- 1/2 11+27.36, 29.65' RT
 - 3/4 13+08.68, 29.11' RT
 - 5 13+87.56, 9.00' RT
 - 6 13+52.32, 17.40' LT
 - 7 12+77.20, 17.46' LT
 - 8 11+56.15, 17.90' LT



ESCONDIDA LANE

DEFLECT WATERLINE USING FITTINGS WITH MARKER SPHERES AS NECESSARY TO PROVIDE 1-FOOT MIN. CLEARANCE TO DRY UTILITY LINES. COORDINATE WITH UTILITY COMPANIES IF RELOCATION OF ELECTRIC AND CABLE LINES ARE REQUIRED.



Elevation Datum: NAVD 88

NOTES:
STATIONING IS TO CENTER OF METER BOX. WATER METERS ARE DOUBLE UNLESS NOTED WITH * FOR SINGLE METERS. INSTALL DUAL CHECK VALVES ON ALL SERVICES.

WATER METER COORDINATES

LOT/S	X	Y
1/2	-	-
3/4	-	-
5*	-	-
6*	-	-
7*	-	-
8*	-	-

SEE SHEET 9 FOR WM COORDINATES

RECORD DRAWING



CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

BOSQUE ESCONDIDO

UTILITY PLAN & PROFILE



CITY ENGINEER APPROVAL

Mo./DAY/YR. Mo./DAY/YR.

City Project No.

489791

Zone Map No.

F-14

Sheet

Of

10

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