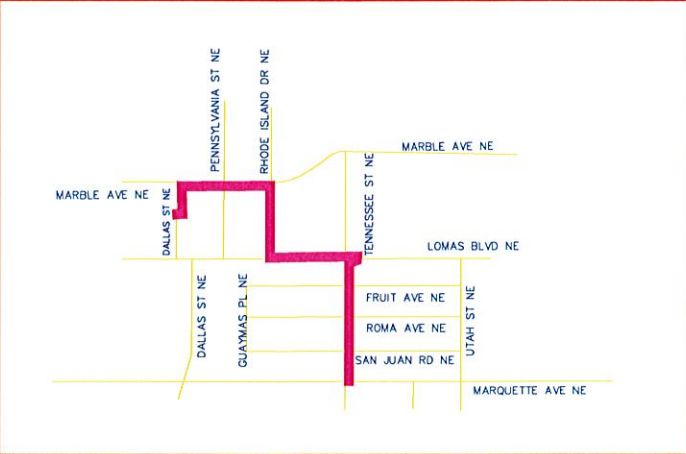


CITY OF ALBUQUERQUE
NEW MEXICO
PLANNING DEPARTMENT
BLDG AND DEVELOPMENT SERVICES



VICINITY MAP
ZONE ATLAS MAP J-19, K-19
NTS

MONUMENT ID:

LOCATION: INTERSECTION OF LOMAS BLVD AND TENNESSEE ST
(SEE SHEET C4)

FOUND MONUMENT "17_K19"
A CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4 INCH ALUMINUM DISC
STAMPED "ACS, 17-K19 1990" SET FLUSH WITH THE TOP OF CURB.
X = 1548658.688
Y = 1487200.514
ELEVATION IS 5344.389 (NAVD 1988)

APPROVED RECORD DRAWINGS	
City Inspector	Arlene Sandoval
Contractor	JC Communications
Construction Engineer	Muhanned Adeeb
Date	10/9/2019



10-10-18

I, Daniel G. Gorman, Crown Castle, A LICENSED PROFESSIONAL ENGINEER IN

ENGINEER'S NAME , COMPANY NAME

THE STATE OF NEW MEXICO, DO HEREBY CERTIFY, TO THE BEST OF MY KNOWLEDGE
AND BELIEF, THAT THE INFRASTRUCTURE INSTALLED AS A PART OF THIS PROJECT HAS
BEEN INSPECTED BY ME OR BY A QUALIFIED PERSON 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 ON THE RECORD DRAWINGS. THIS CERTIFICATION IS BASED ON THE
INSPECTIONS CONDUCTED AND AS-BUILT SURVEY PERFORMED BY CCIC,

ON 9/26/2019 DATE SURVEYING COMPANY

RECORD DRAWING

PROJECT NAME: CROWN CASTLE NMD1149D LOMAS
PROJECT STARTS NEAR LOMAS BLVD NE
AND TENNESSEE ST NE TO TENNESSEE ST NE
AND MARQUETTE ST NE PROJECT #748182

CPN 748182



ENGINEER STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****
	DRC CHAIRPERSON			APPROVED FOR CONSTRUCTION
	TRANSPORTATION			
	WATER/WASTEWATER			
	HYDROLOGY			
	PARKS			
	CONST. MGMT.			CITY ENGINEER DATE
	CONST. COORD.			
	CITY PROJECT NO.	748182		SHEET COVER

Daniel G. Gorman 9/26/2019

PROJECT NAME PROJECT NUMBER PROJECT LIMITS SUBMITAL NUMBER

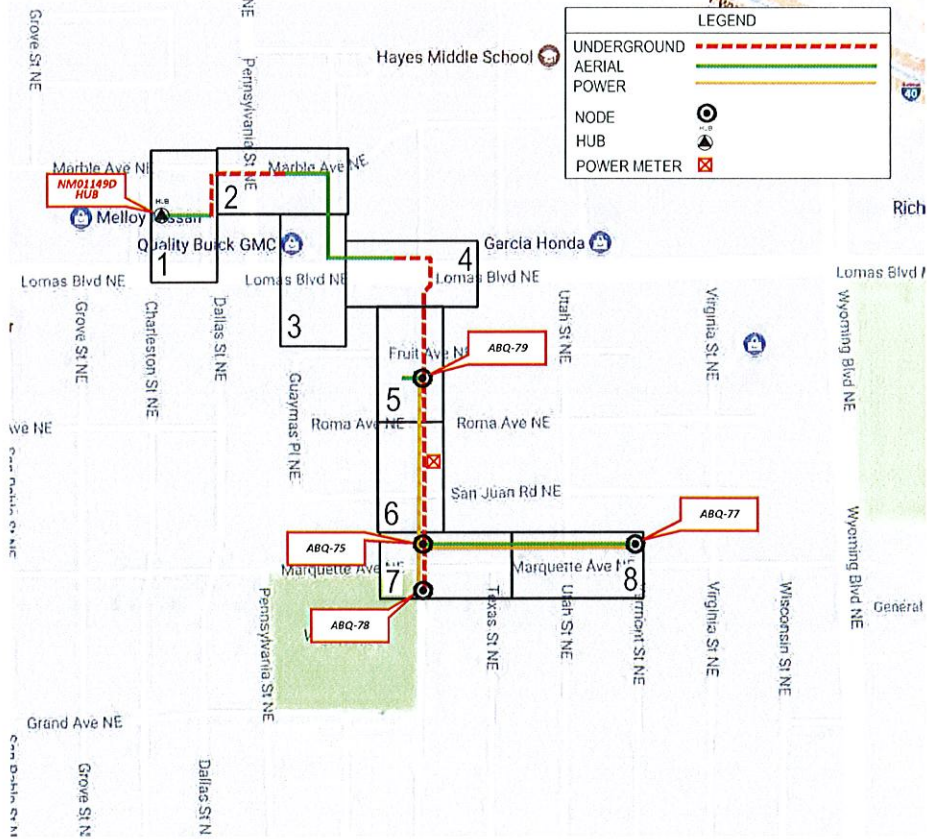


BU NUMBER: 919467
JDE NUMBER: 457573
MONUMENT ID: 17_K19

PROJECT NAME:
NM01149D
ALBUQUERQUE, NM
BERNALILLO COUNTY

CONTACT INFORMATION		
CROWN CASTLE:	CONTRACTOR:	ENGINEERING FIRM:
NG WEST, LLC (CROWN CASTLE)	TBD	WYCO FIELD SERVICES, LLC
DAVID BREINHOLT FIBER ENGINEER (808) 864-4288 david.breinholt@crowncastle.com		GARY WALLENBERG CLIENT ACCOUNT MGR (480) 245-8205 gwallenberg@wycofs.com
RICHARD ALGERIA PROGRAM MANAGER (602) 576-0951 richard.algeria@crowncastle.com		GIL TSOSIE QUALITY CONTROL LEAD (505) 215-5855 gtsosie@wycofs.com
-		
-		
-		

DRAWING INDEX	
T1	TITLE SHEET/MICINITY MAP
GN1	GENERAL NOTES
L1	LEGEND
D1 thru D4	TYPICAL DETAILS
C1 thru C8	CONSTRUCTION SHEETS



THIS PROJECT REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	1623
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	400
PL. (N) 48 CNT FOC W/ 10M STRAND	L. FT.	0
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	200
PL. (N) 1 SC/APC TO LC/UPC SINGLE FIBER JUMPER	EACH	4
PL. (N) 25X COPPER	L. FT.	654
PL. (N) 25X COPPER SLACK LOOP	L. FT.	30
PL. (N) 10M STRAND OVERHEAD GUY	L. FT.	386
PL. (N) MID SPAN STORAGE ASSEMBLY	EACH	0
PL. (N) 2" RISER	EACH	6
PL. (N) DOWN GUY AND ANCHOR	EACH	10
PL. (N) UTILITY POLE	EACH	0
PL. (N) SPLICE CASE	EACH	8
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	2094
BORE & PL. (N) 1 - 25X COPPER	L. FT.	843
TRENCH & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	37
TRENCH & PL. (N) 1 - 25X COPPER	L. FT.	10
BORE & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	0
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	34
PL. (N) 288 CNT FOC	L. FT.	2155
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	700
PL. (N) 48 CNT FOC	L. FT.	5
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 25X COPPER	L. FT.	853
PL. (N) 25X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30"X48"X30" HANDHOLE	EACH	6
PL. (N) 5/8" X 8' GROUND ROD	EACH	6
PL. (N) #14 AWG LOCATE WIRE	L. FT.	2165
PL. (N) 4'X4' BORE PIT	EACH	6
LANDSCAPE RESTORATION	S.F.	112
CONCRETE RESTORATION	S.F.	199
ASPHALT RESTORATION	S.F.	16

CPN 748182

RECORD DRAWING



DRAWING DISCLAIMER
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CAUTION
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PROJECT NAME:
NM01149D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY: WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
4	CC REDLINES 8-10-18	GT	8-14-18
5	CC REDLINES 8-17-18	GT	8-29-18
6	CC REDLINES 8-27-18	GT	9-13-18
7	DS REDLINES 10-26-18	LR	10-26-18
8	DS REDLINES 10-10-18	LR	10-10-18

TITLE SHEET

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

SHEET NUMBER: T1

GENERAL NOTES

GENERAL NOTES

1. All work detailed on these plans, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque standard specifications for public works construction, 1986 edition through update #9, and will be referred to herein as "standard specifications".
2. The Contractor will confine his work within the construction easement limits and/or right-of-way or provide copies of agreements with adjacent landowners.
3. Two (2) working days prior to any excavation, Contractor must contact New Mexico One Call System, 811 (statewide) for location of existing utilities.
4. The Contractor shall notify the City of Albuquerque Surveyor not less than seven (7) days prior to starting work in order that the City of Albuquerque Surveyor may take necessary measures to insure the preservation of survey monuments. The Contractor shall not disturb permanent survey monuments without the consent of the City of Albuquerque Surveyor and shall notify the City of Albuquerque Surveyor and bear the expense of replacing any that may be disturbed without permission. Replacement shall be done only by the City of Albuquerque Surveyor. When a change is made in the finished elevation of the pavement of any roadway in which a permanent survey monument is located, the Contractor shall, at its own expense, adjust the monument cover to the new grade unless otherwise specified. Refer to Section 4.4 of the City of Albuquerque Standard Specifications--Public Works Construction- 1986- Update No. 9.
5. 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 owner of said utility, and the information may be incomplete, or may be obsolete by the time construction commences. The Engineer has conducted only preliminary investigation of the location, depth, size, or type of the existing utility lines, pipelines, or underground utility lines. This investigation is not conclusive and may not be complete; therefore, it makes no representation pertaining thereto and assumes no responsibility or liability therefor. The Contractor shall inform itself of the location of any utility line, pipeline, or underground utility line in or near the area of work in advance of and during excavation work. 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. In planning and conducting excavation, the Contractor shall comply with state statutes, municipal and local ordinances, and rules and regulations, if any, pertaining to the location of these lines and facilities.
6. Prior to construction, the Contractor shall excavate and verify the horizontal and vertical locations of all obstructions. Should a conflict exist between these plans and actual field conditions, the Contractor shall promptly notify the Engineer in writing so that the conflict can be resolved with a minimum amount of delay for all parties.
7. All water valve boxes and manholes in the street construction are to be adjusted to final grade and will be measured and paid per each. Refer to COA STD DWG #2461.
8. Subgrade preparation under sidewalks and drive pads, and subgrade and subbase preparation under curb and gutter, are considered incidental to the construction of such, and no direct payment shall be made for those items of work.
9. Caution: These drawings do not include necessary components for construction safety which shall remain the responsibility of the Contractor. All work on this project shall be

- performed in accordance with applicable federal, state and local laws, rules and regulations concerning safety and health. All excavation, trenching and shoring activities must be carried out in accordance with OSHA 29 CFR 1926, Subpart P-Excavations.
10. At all pavement removal and replacements, saw-cut edges shall be straight and clean, and longitudinal joints shall not be placed within wheel paths. Patches shall be regular and square or rectangular, with four straight sides. Finished pavement surface shall be flush with existing pavement surface, with no spillover or asphalt or tack coat. Care must be taken to avoid damaging the integrity or appearance of surroundings pavements; if damaged, the entire surface patch must be expanded to cover damages. Pave path shall be per COA drawing #2465.
11. Trenching, asphalt cutting and patching shall conform to Standard Drawing 2465. The Contractor shall contact City Inspector (505) 924-3421 to request an inspector to verify pavement thickness prior to patching.
12. When applicable, Contractor shall secure Topsoil Disturbance Permit from the City of Albuquerque and an Excavation/Construction Permit. An Excavation/Construction Permit will be required before beginning any work within right-of-way.
13. Any pavement disturbed by the trench shall be removed and the full section of pavement shall be replaced. For the pavement beyond that disturbed by the excavated trench, the following applies unless otherwise noted on plans:
- a. If only one lane is disturbed by trenching, the remainder of the one entire lane shall be milled and resurfaced. In a four-lane street, if more than one lane but less than half the street is affected, then the remainder of half the street (two lanes minimum) shall be milled and resurfaced.
- b. If more than one-half of any street width is affected, then all paving in the street from curb to curb shall be milled and resurfaced.
14. The Contractor shall contact Traffic Engineering (505) 788-3830 before removing and/or installing any traffic signs or permanent striping and markings. All striping and pavement markings, including lane lines, crosswalks, legends, and symbols, are to be constructed of hot thermoplastic in accordance with the Manual on Uniform Traffic Control Devices (MUTCD), latest edition. Any pavement markings and signs removed or damaged during construction shall be replaced at existing locations. Such work shall be considered incidental to construction of the project.
15. Install blue reflective raised pavement markers in the center of roadway to delineate all hydrant locations.
16. The Contractor shall submit field test reports to City Inspector for review. Sampling and testing schedule shall comply with plan specifications. The Contractor shall also be responsible to record any changes on the plans and submit detailed as-constructed construction project plans (As-Builts) to the design and/or project engineer.
17. Barricading and construction permits must be obtained from the Construction Coordination Section (505) 924-3672 prior to beginning of any construction efforts.
18. The Contractor shall restore all access roads to the pre-construction condition. Any damage to roadway and/or underground utilities shall be promptly repaired at the Contractor's expense.

19. When applicable, the Contractor shall secure a Topsoil Disturbance Permit from the City of Albuquerque and an Excavation/Construction Permit. An Excavation/Construction Permit will be required before beginning any work within right-of-way.
20. The Contractor shall perform all work in accordance with the National Pollutant Elimination Discharge System (NPDES) requirements including, but not limited to, obtaining an NPDES Permit during construction, submission of a completed NOI application, and submission of a completed NOT. The Contractor shall also be responsible for the implementation of and inspection reports for the Storm Water Pollution Prevention Plan (SWPPP). It is the responsibility of the Contractor to have the SWPPP reviewed and approved by the Public Works Division, at no additional cost, prior to implementation of the SWPPP.
21. The Contractor will be responsible for disposing of all debris, including but not limited to the hazardous waste at disposal sites approved by governmental agencies regulating the disposal of such materials offsite.
22. The Contractor shall maintain a graffiti-free work site. The Contractor shall promptly remove any and all graffiti from equipment, whether permanent or temporary. This graffiti removal shall be considered incidental; therefore, no separate payment will be made.
23. Restore any disturbed sidewalks per COA DWG #2430. Restore any disturbed drive pads per COA DWG #2425. Restore any disturbed curb & gutter per COA DWG #2415A.
24. Curb & gutter and sidewalk removals and replacements shall be to the nearest joint.
25. City-owned fiber-optic communication cables may be present in arterial and collector streets. Contact Ron Soto with Traffic Operations (505-857-8035) before boring or trenching operations in these areas. Any and all damage to City Traffic Operations infrastructure as a result of contractor's activities must be repaired or replaced at the contractor's expense in accordance with Traffic Operations procedures. **If the traffic utility is damaged during the project, the utility will need to be replaced from full splice to full splice. No intermediate splices are allowed.**

CONSTRUCTION NOTES

1. Contractor to place CCI provided wrap around cable tags for handholes, manholes and poles.
2. All work detailed on these plans, except as otherwise stated or provided hereon, shall be constructed in accordance with City of Albuquerque standard specifications for public works construction, 1986 edition through update #9, and will be referred to herein as "standard specifications".

ADDITIONAL NOTE:

- A. SAS line shall be video taped post bore to ensure the integrity of the line was maintained. After which the video shall be released to the Water Authority for review and records.

CPN 748182

- B. Expose utilities at crossings.

 NG WEST, LLC 2055 SOUTH STEARMAN DRIVE CHANDLER, ARIZONA 85286		DRAWING DISCLAIMER Facility locations are general in nature. WYCO Field Services will not be held accountable for the accuracy of the information provided in these drawings.		CAUTION Foreign utility locations are approximate. It is the construction contractor's responsibility to contact the local one call agency 48 hours prior to construction for exact utility locations at: 		 PROJECT NAME: NM01149D CITY OF ALBUQUERQUE ALBUQUERQUE, NM BERNALILLO COUNTY		PREPARED BY:  WHERE QUALITY STILL COUNTS <table><thead><tr><th>REV. #</th><th>DESCRIPTION</th><th>BY</th><th>DATE</th></tr></thead><tbody><tr><td>4</td><td>CC REDDESIGN 8-13-18</td><td>GT</td><td>8-14-18</td></tr><tr><td>5</td><td>CC REDDESIGN 8-17-18</td><td>GT</td><td>8-29-18</td></tr><tr><td>6</td><td>CC REDDESIGN 9-07-18</td><td>GT</td><td>9-10-18</td></tr><tr><td>7</td><td>DB REDLINES 10-08-18</td><td>LR</td><td>10-08-18</td></tr><tr><td>8</td><td>DB REDLINES 10-10-18</td><td>LR</td><td>10-10-18</td></tr></tbody></table>		REV. #	DESCRIPTION	BY	DATE	4	CC REDDESIGN 8-13-18	GT	8-14-18	5	CC REDDESIGN 8-17-18	GT	8-29-18	6	CC REDDESIGN 9-07-18	GT	9-10-18	7	DB REDLINES 10-08-18	LR	10-08-18	8	DB REDLINES 10-10-18	LR	10-10-18	GENERAL NOTES	
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STATE: NEW MEXICO		COUNTY: BERNALILLO		CITY: ALBUQUERQUE		DRAWN BY: GT		10-13-17																											
								SHEET NUMBER: GN1																											

LEGEND

LINETYPE	DESCRIPTION	SYMBOL	DESCRIPTION	PROPOSED SYMBOL	DESCRIPTION	PROPOSED LINETYPE	DESCRIPTION
	CENTERLINE		TREE		PROPOSED DOWN GUY		PROPOSED AERIAL
	RIGHT-OF-WAY		SEWER MANHOLE		PROPOSED DOWN GUY ON EXIST ANCHOR		PROPOSED OVERLASH
	EDGE OF PAYMENT		WATER MANHOLE		PROPOSED AERIAL SLACK		PROPOSED OVERHEAD GUY
	PROPERTY LINE		STORM DRAIN MANHOLE		PROPOSED RISER		PROPOSED TRENCH
	SANITARY SEWER		ELECTRIC MANHOLE		PROPOSED HANDHOLE		PROPOSED BORE
	WATER		TELCO MANHOLE		PROPOSED BORE PIT		PROPOSED PULL THRU
	STORM DRAIN		EXIST ANCHOR		PROPOSED UNDERGROUND SLACK LOOP		PROPOSED POWER
	GAS		ELECTRIC HANDHOLE		AERIAL STRAND FOOTAGE		
	TELEPHONE		TELCO PED		BORE FOOTAGE		
	ELECTRIC		STREET LIGHT		TRENCH FOOTAGE		
	CABLE TV		FIRE HYDRANT		SPAN FOOTAGE		
	FENCE		TRANSFORMER		FIBER COUNT		
	AERIAL		TRAFFIC SIGNAL CABINET		BORE TYPE CALLOUT		
	CITY LIMITS		VAULT		TRENCH TYPE CALLOUT		
	SIDEWALK		WOOD POLE		PROPOSED MANHOLE		
	BACK OF CURB		STEEL POLE		PROPOSED SPLICE ENCLOSURE		
			TRUE NORTH ARROW		PROPOSED POLE REPLACEMENT		
					METER		
					CABINET		

CPN 748182

CROWN CASTLE
NG WEST, LLC
2055 SOUTH STEARMAN DRIVE
CHANDLER, ARIZONA 85286

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

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PROJECT NAME:
NM01149D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:
WYCO
FIELD SERVICES

REV. #	DESCRIPTION	BY	DATE
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6	CC REDESIGN 9-07-18	GT	9-19-18
7	DB REDLINES 10-08-18	LR	10-08-18
8	DB REDLINES 10-10-18	LR	10-10-18

LEGEND

DRAWN BY: GT 10-13-17

SHEET NUMBER **L1**

Typical Detail - A
LASHING WIRE GRIP AND CLAMP
C LASHING WIRE GRIP INSTALLED ON STRAND

Typical Detail - B
LASHING WIRE GRIP AND CLAMP
C LASHING WIRE GRIP INSTALLED ON STRAND

Typical Detail - C
LASHING WIRE GRIP AND CLAMP
C LASHING WIRE GRIP INSTALLED ON STRAND

Typical Detail - D
CABLE LASHING CLAMP

Typical Detail - E
SUSPENSION STRAND - PULL AWAY FROM POLE - 5 FEET OR MORE

Typical Detail - F
TYPICAL ARRANGEMENT OF CABLE LASHER AND CABLE GUIDE

Typical Detail - G
JOINING 045 LASHING WIRE

Typical Detail - H
LASHING WIRE GRIP AND CLAMP

Typical Detail - I
SUSPENSION STRAND - PULL TOWARD POLE - LESS THAN 5 FEET

Typical Detail - J
DEAD END DOWNGUY

Typical Detail - K
COMMON CORNER DOWNGUY

Typical Detail - L
SIDEWALK GUY

Typical Detail - M
AERIAL/UNDERGROUND TRANSITION

Typical Detail - N
LASHING

Typical Detail - O
CORNER/DEAD END POLE DOWNGUY

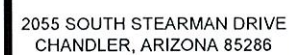
Typical Detail - P
LASHING

Typical Detail - Q
LASHING

Typical Detail - R
LASHING

CPN 748182

CPN 748182



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PROJECT NAME:
NM01149D

CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:

WYCO
FIELD SERVICES
WHERE QUALITY STILL COUNTS

REV. #	DESCRIPTION	BY	DATE
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7	DB RED. INES 10-08-18	LR	10-08-18
8	DB RED. INES 10-10-18	LR	10-10-18

TYPICAL DETAILS

18	DRAWN BY: GT	10-13-17
	SHEET NUMBER: D1	

STATE: NEW MEXICO

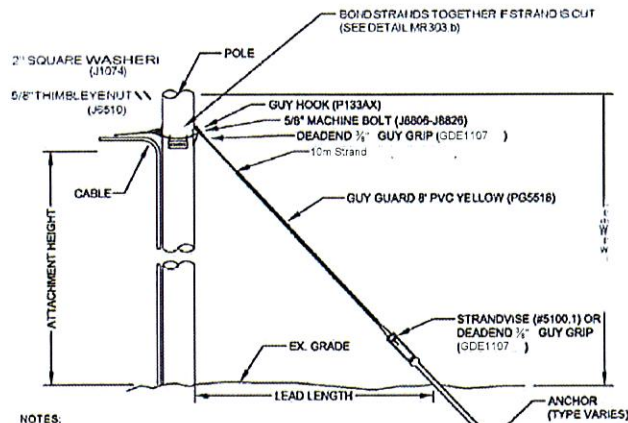
COUNTY: BERNALILLO

CITY: ALBUQUERQUE



Anchor & Down Guy Detail

TYPICAL DETAIL NT S.



NOTES:

1. Lead length is based on the class and height of the pole, height of the attachment and placement of the anchor. verify in field for proper distance.
2. All anchors shall be placed in the ground making certain the anchor rod is in line with the proposed guy attachment. Under no circumstances shall the anchor rod be bent to align with attachment fixture.
3. The portion of the anchor rod remaining above the ground shall be a maximum of twelve inches (12") and a minimum of six inches (6") above finished grade.
4. If strand is cut or broken, bond strands together using 1/16 AWG copper wire (SD6) and bonding clamp (B300) (See Detail MR303b).

CGSS Rule 86.9 Guy Marker (Guy Guard)

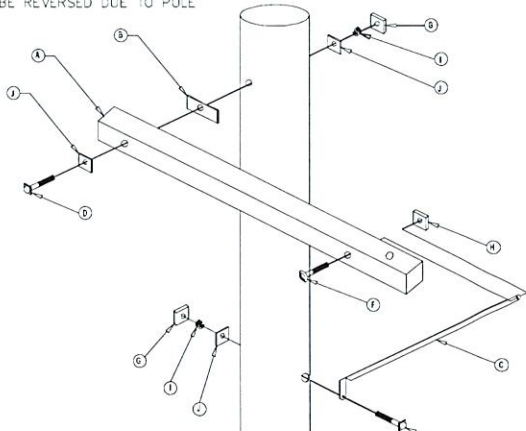
A substantial marker of suitable material including but not limited to metal or plastic, not less than 8 feet in length, shall be securely attached to all anchor guys. Where more than one guy is attached to an anchor rod, only the outermost guy is required to have a marker.

PART LIST

1. (P133A) (P133A) GUY HOOK
1. (J8806-J8826) 5/8" MACHINE BOLT
1. (J6510) 5/8" THIMBLE NUT
1. (J1074) 2" SQUARE WASHER
1. (GDE1107) DEADEND 1/2" GUY GRIP
1. (S001) 1/2" STRANDWISE
1. (PG5518) 8" YELLOW PVC GUY GUARD
1. ANCHOR (TYPE VARIES)
1. CROWN TAG (SUPPLIED BY CROWN)
2. TIE WRAPS
1. (145HS5000) 10m Strand

NOTES:

1. CROSS ARM AND BRACE MAY VARY IN LENGTH AND DIMENSION.
2. 5/8" MACHINE BOLTS WILL VARY DUE TO POLE DIAMETER.
3. ALL LINE HARDWARE TO BE HOT DIPPED GALVANIZED IRON.
4. BRACE MAY BE REVERSED DUE TO POLE CONDITIONS.



CROSS EXTENSION ARM DETAIL

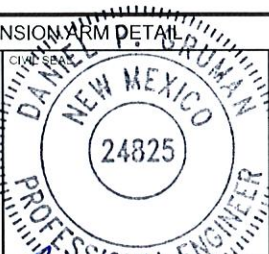
CPN 748182

ANCHOR & DOWN GUY DETAIL



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NM01149D
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ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



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8	DB REDLINES 10-10-18	LR	10-10-18

TYPICAL
DETAILS

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

SHEET NUMBER: D2

9/26/2019

STANDARD C & G

GUTTER AT (WHEEL CHAIR) CURB ACCESS RAMP

MOUNTABLE CURB ROLL TYPE

MOUNTABLE CURB ESTATE TYPE

DEPRESSED GUTTER

GUTTER AT DRIVE PAD

RUNDOWN CURB

ALLEY GUTTER

NOTE:
ALT. A-1/4" VERT. RISE THEN SLOPE UP TO BACK OF CURB. (SEE STD. DWG. 2440)
ALT. B-1/2" RISE 1" HORIZ THEN SLOPE UP TO BACK OF CURB. (SEE STD. DWG. 2440).

CURB CUT DETAIL - NOT ADA COMPLIANT

CURB CUT DETAIL - ADA COMPLIANT DETAIL "A"

GENERAL NOTES:

- CURB, GUTTER AND CUT-OFF WALL WILL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PCC).
- FOR STANDARD AND MEDIAN C&G ADJACENT TO ASPHALT CONCRETE (AC) PAVEMENT, PROVIDE CONTRACTION JOINTS AT 12" MAX. SPACING. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT FINISHED FACES. 1/2" EXPANSION JOINTS TO BE INSTALLED AT CURB RETURNS AND AT A MAXIMUM SPACING OF 200' BETWEEN CURB RETURNS AND SEPARATELY CONSTRUCTED DRIVEWAYS.
- FOR ALL OTHER C & G CUT-OFF WALL PROVIDE CONTRACTION JOINTS AT 10' MAX SPACING, 1/2" EXP. JTS. AT CURB RETURNS & AT A MAXIMUM SPACING OF 100' BETWEEN CURB RETURNS & EACH SIDE OF SEPARATELY CONSTRUCTED DRIVEWAYS. CONTRACTION JOINTS SHALL BE EITHER SAWED OR TOOLED A MINIMUM OF 1" DEEP AT ALL FINISHED FACES. REINFORCEMENT SHALL NOT BE USED IN CUT-OFF WALLS.
- FOR C & G CONSTRUCTED WITH PCC PAVEMENT, CONTRACTION JOINTS AND EXPANSION JOINTS SHALL BE THE SAME AS THE PAVEMENT JOINTS.
- ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.
- STANDARD C & G SHALL BE USED FOR NEW CONSTRUCTION UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.
- REMOVE & REPLACE PAVEMENT 1" WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING C & G ADJACENT TO EXISTING AC PAVEMENT.
- 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C & G WHEN CAST ADJACENT TO EACH OTHER.
- ADA = AMERICANS WITH DISABILITY ACT.

CONSTRUCTION NOTES:
SEE COA DRAWING 2415B

REVISIONS	CITY OF ALBUQUERQUE
9/91	PAVING
11/14/91	CURB AND GUTTER &
12/15/92	CURB CUT DETAILS
3/30/94	DWG. 2415A JANUARY 2003

CPN 748182

CURB AND GUTTER & CURB CUT DETAILS

CROWN CASTLE
NG WEST, LLC
2055 SOUTH STEARMAN DRIVE
CHANDLER, ARIZONA 85286

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DANIEL P. GROMAN
NEW MEXICO
24825
PROFESSIONAL ENGINEER

PROJECT NAME:
NM01149D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY: WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
4	CC REDLINES 8-15-18	GT	8-15-18
5	CC REDLINES 8-17-18	GT	8-29-18
6	CC REDLINES 9-07-18	GT	9-13-18
7	DB REDLINES 10-08-18	LR	10-08-18
8	DB REDLINES 10-10-18	LR	10-10-18

TYPICAL DETAILS

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

SHEET NUMBER D4

7/24/2019

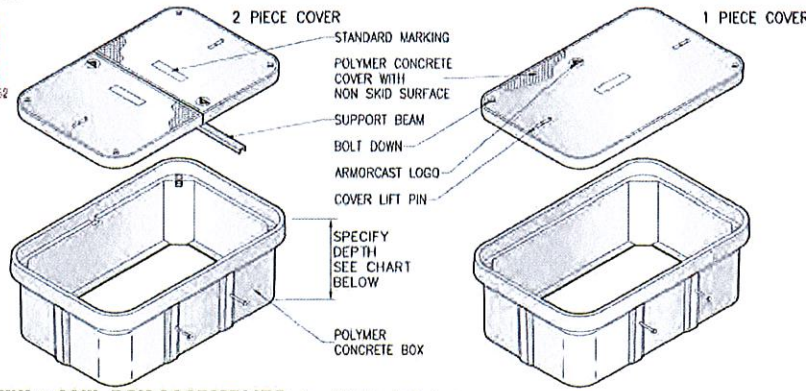
30" x 48" BOX ASSEMBLY
12" to 48" DEPTHS



POLYMER CONCRETE

ARMORCAST PRODUCTS COMPANY

A6001430



30"W x 48"L BOX ASSEMBLIES Specify Depth Below

DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY.
Box & Cover Assembly	30" x 48" x 12"	10K	8	A6001430APCX12	317 lbs.	5
	30" x 48" x 18"	20K	15 / 22	A6001430TAPCX12 / A6001430HDAPCX12	325 lbs.	5
Box & Cover Assembly	30" x 48" x 18"	10K	8	A6001430APCX18	377 lbs.	2
	30" x 48" x 18"	20K	15 / 22	A6001430TAPCX18 / A6001430HDAPCX18	385 lbs.	2
Box & Cover Assembly	30" x 48" x 24"	10K	8	A6001430APCX24	427 lbs.	3
	30" x 48" x 24"	20K	15 / 22	A6001430TAPCX24 / A6001430HDAPCX24	435 lbs.	3
Box & Cover Assembly	30" x 48" x 30"	10K	8	A6001430APCX30	498 lbs.	3
	30" x 48" x 30"	20K	15 / 22	A6001430TAPCX30 / A6001430HDAPCX30	506 lbs.	3
Box & Cover Assembly	30" x 48" x 36"	10K	8	A6001430APCX36	568 lbs.	1
	30" x 48" x 36"	20K	15 / 22	A6001430TAPCX36 / A6001430HDAPCX36	576 lbs.	1
Box & Cover Assembly	30" x 48" x 48"	10K	8	A6001430APCX48	663 lbs.	1
	30" x 48" x 48"	20K	15 / 22	A6001430TAPCX48 / A6001430HDAPCX48	671 lbs.	1

COMPONENTS

MORE COVER VARIATIONS ARE AVAILABLE IN OUR "COVER SECTION"						
DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	ANSI TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY.
Replacement Covers	30" x 48" - 1 pc.	10K	8	A6001630	146 lbs.	10
	30" x 48" - 1 pc.	20K	15 / 22	A6001630T / A6001630HD	180 lbs.	10
	30" x 48" - 2 pc.	10K	8	A6001470 (2 pc. Req.)	96 lbs. ea.	20
	30" x 48" - 2 pc.	20K	15 / 22	A6001470T / A6001470HD (2 pc. Req.)	100 lbs. ea.	20
Replacement Boxes	30" x 48" x 12"	10K / 20K	22	A6001430PCX12	137 lbs.	8
	30" x 48" x 18"	10K / 20K	22	A6001430PCX18	189 lbs.	2
	30" x 48" x 24"	10K / 20K	22	A6001430PCX24	265 lbs.	3
	30" x 48" x 30"	10K / 20K	22	A6001430PCX30	300 lbs.	3
	30" x 48" x 36"	10K / 20K	22	A6001430PCX36	371 lbs.	1
	30" x 48" x 48"	10K / 20K	22	A6001430PCX48	468 lbs.	1

• Boxes are Open Bottom and Stackable, also available with Solid Bottoms. THIS PRODUCT IS LISTED TO APPLICABLE UL STANDARDS AND REQUIREMENTS BY UL.
• For sizes not shown please contact Armorcast Products for more information.

www.armorcastprod.com

Tel: (818) 982-3600 Fax: (818) 982-7742

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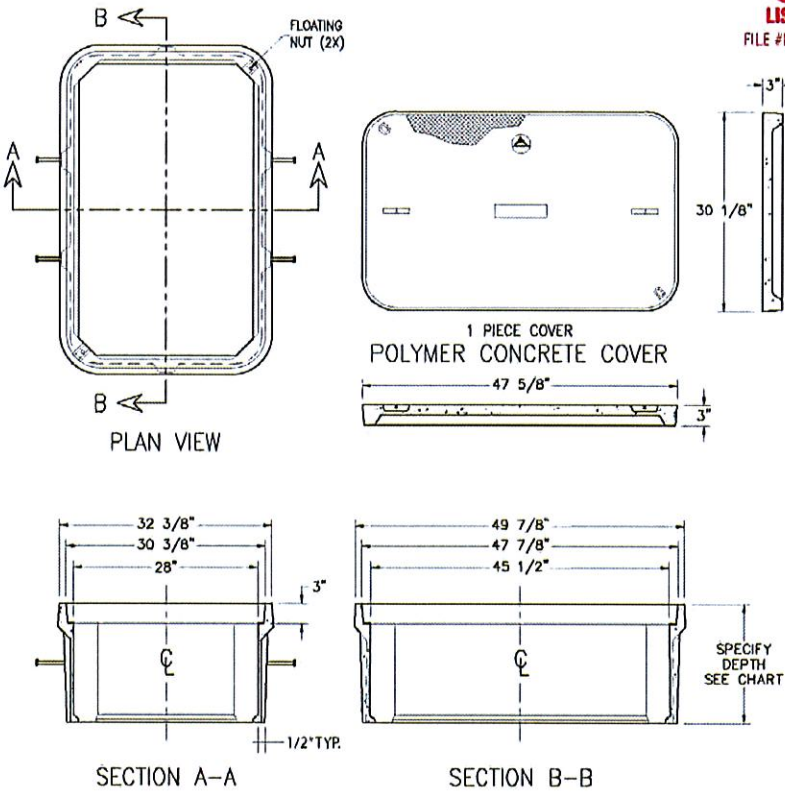
30" x 48" BOX ASSEMBLY
STANDARD DIMENSIONS



ARMORCAST PRODUCTS COMPANY

POLYMER CONCRETE

A6001430



Armorcast Products Company reserves the right to update or discontinue product information at any time without notice.

www.armorcastprod.com

THIS PRODUCT IS LISTED TO APPLICABLE UL STANDARDS AND REQUIREMENTS BY UL.

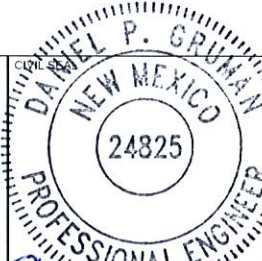
Tel: (818) 982-3600 Fax: (818) 982-7742

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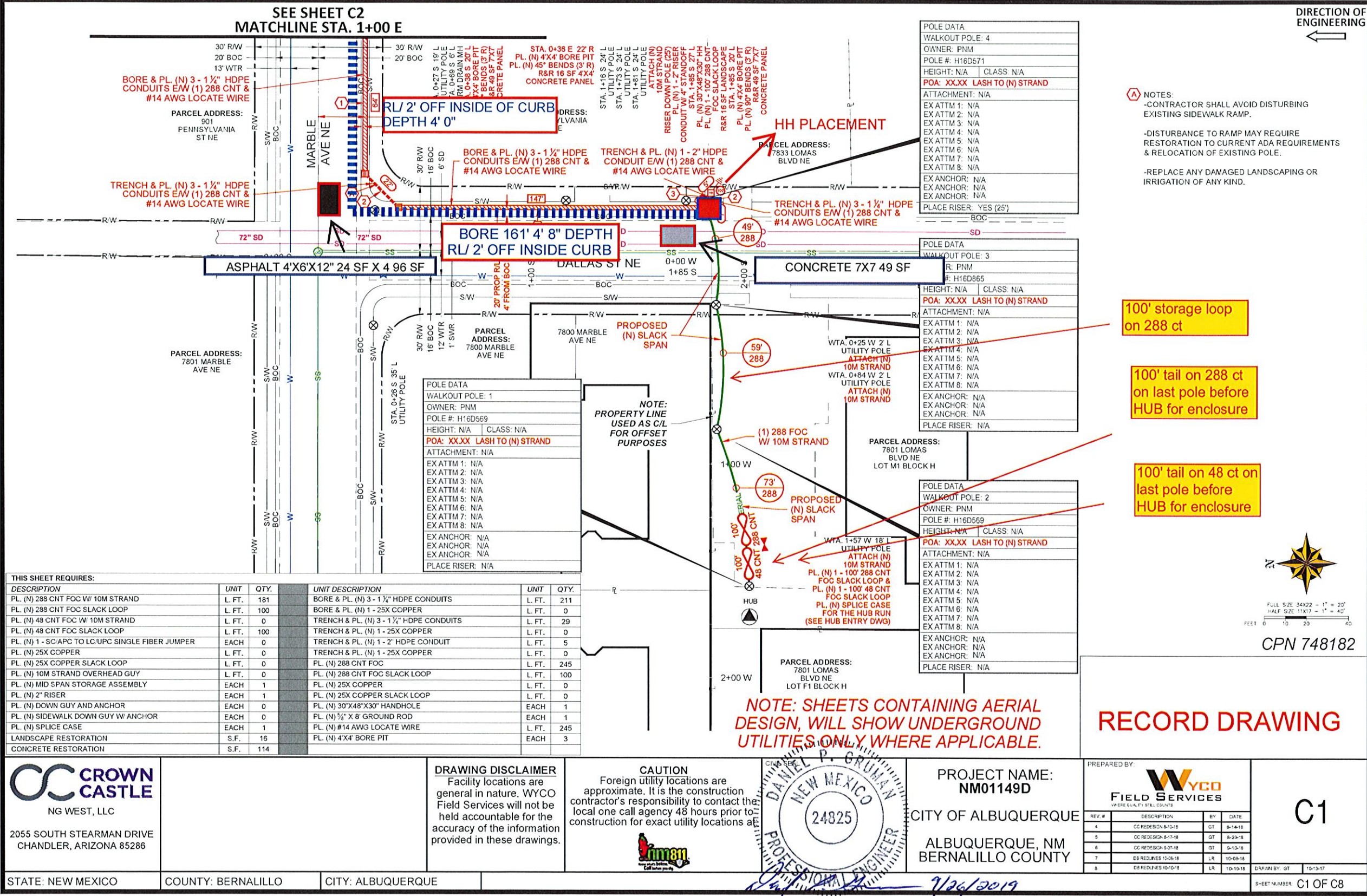
PROJECT NAME:
NM01149D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

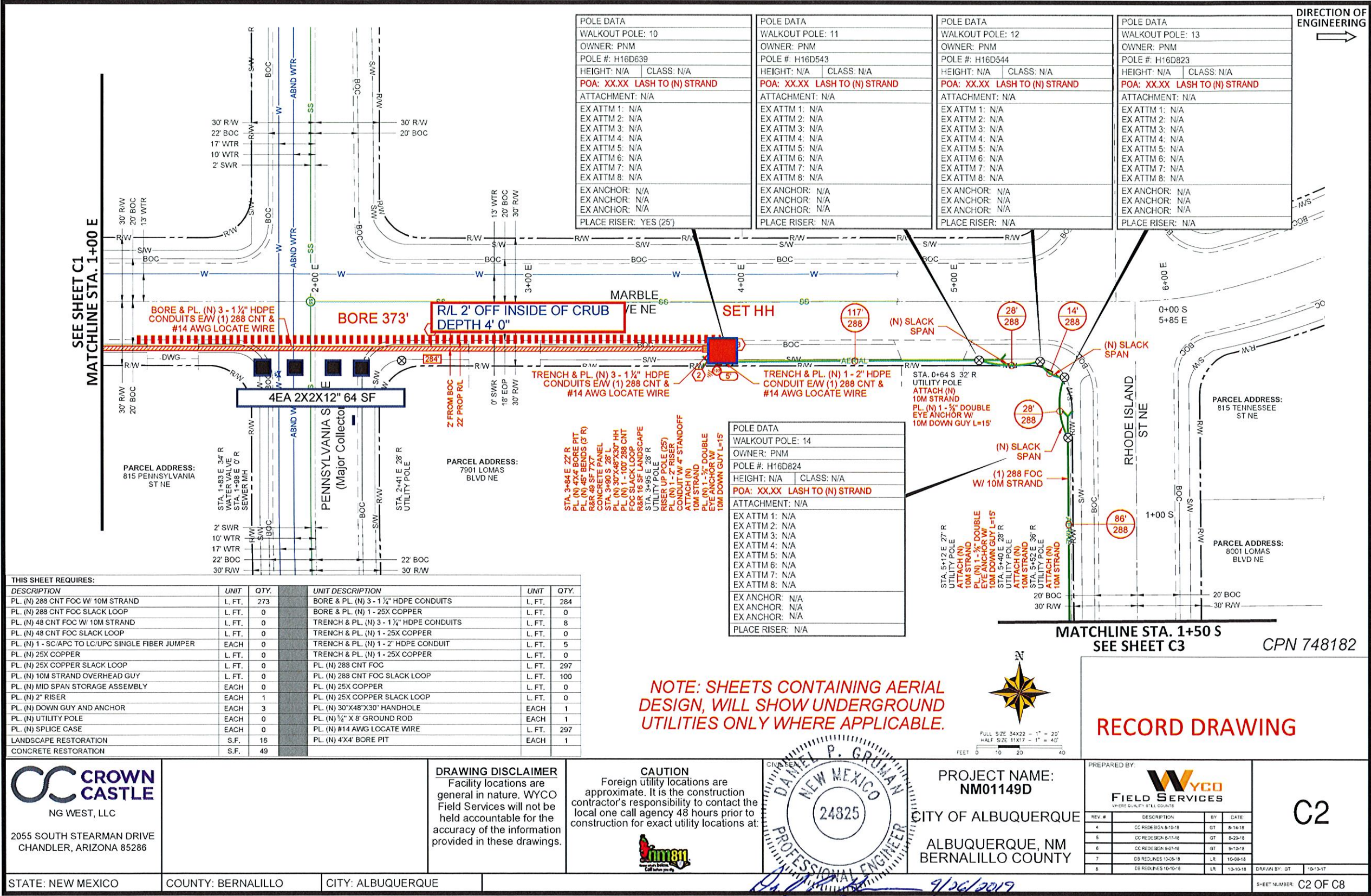
PREPARED BY: WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
4	CC REDESIGN 8-13-18	GT	8-14-18
5	CC REDESIGN 8-17-18	GT	8-29-18
6	CC REDESIGN 8-27-18	GT	9-10-18
7	DB REDESIGN 10-08-18	LR	10-08-18
8	DB REDESIGN 10-10-18	LR	10-10-18

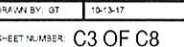
TYPICAL
DETAILS

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

SHEET NUMBER: D5





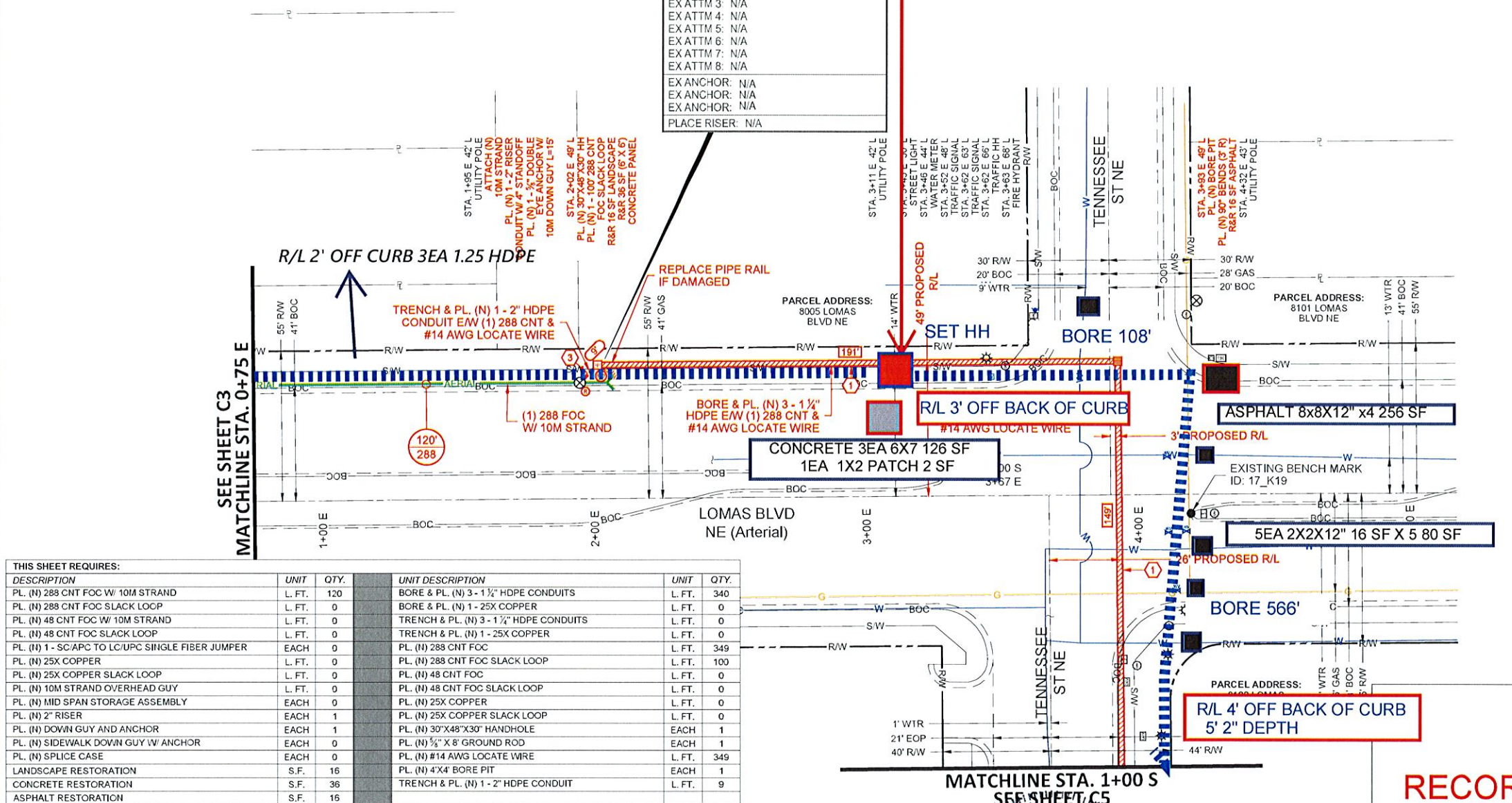


NOTE: SHEETS CONTAINING AERIAL DESIGN, WILL SHOW UNDERGROUND UTILITIES ONLY WHERE APPLICABLE.

POLE DATA	
WALKOUT POLE:	19
OWNER:	PNM
POLE #:	H16D170
HEIGHT:	N/A
CLASS:	N/A
POA:	XX.XX LASH TO (N) STRAND
ATTACHMENT:	N/A
EX ATTM 1:	N/A
EX ATTM 2:	N/A
EX ATTM 3:	N/A
EX ATTM 4:	N/A
EX ATTM 5:	N/A
EX ATTM 6:	N/A
EX ATTM 7:	N/A
EX ATTM 8:	N/A
EX ANCHOR:	N/A
EX ANCHOR:	N/A
EX ANCHOR:	N/A
PLACE RISER:	N/A

Extend aerial to this pole. End UG and riser up here.

DIRECTION OF ENGINEERING



THIS SHEET REQUIRES:					
DESCRIPTION	UNIT	QTY.	UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	120	BORE & PL. (N) 3 - 1 1/2" HDPE CONDUITS	L. FT.	340
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	0	BORE & PL. (N) 1 - 25X COPPER	L. FT.	0
PL. (N) 48 CNT FOC W/ 10M STRAND	L. FT.	0	TRENCH & PL. (N) 3 - 1 1/2" HDPE CONDUITS	L. FT.	0
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	0	TRENCH & PL. (N) 1 - 25X COPPER	L. FT.	0
PL. (H) 1 - SC/APC TO LC/UPC SINGLE FIBER JUMPER	EACH	0	PL. (H) 288 CNT FOC	L. FT.	349
PL. (N) 25X COPPER	L. FT.	0	PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 25X COPPER SLACK LOOP	L. FT.	0	PL. (H) 48 CNT FOC	L. FT.	0
PL. (N) 10M STRAND OVERHEAD GUY	L. FT.	0	PL. (H) 48 CNT FOC SLACK LOOP	L. FT.	0
PL. (N) MID SPAN STORAGE ASSEMBLY	EACH	0	PL. (N) 25X COPPER	L. FT.	0
PL. (N) 2" RISER	EACH	1	PL. (N) 25X COPPER SLACK LOOP	L. FT.	0
PL. (N) DOWN GUY AND ANCHOR	EACH	1	PL. (N) 30"X48"X30" HANDHOLE	EACH	1
PL. (N) SIDEWALK DOWN GUY W/ ANCHOR	EACH	0	PL. (N) 1/2" X 8' GROUND ROD	EACH	1
PL. (N) SPLICE CASE	EACH	0	PL. (N) #14 AWG LOCATE WIRE	L. FT.	349
LANDSCAPE RESTORATION	S.F.	16	PL. (N) 4'X4' BORE PIT	EACH	1
CONCRETE RESTORATION	S.F.	36	TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	9
ASPHALT RESTORATION	S.F.	16			



RECORD DRAWING

CROWN CASTLE
NG WEST, LLC
2055 SOUTH STEARMAN DRIVE
CHANDLER, ARIZONA 85286

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PROJECT NAME:
NM01149D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:
WYCO
FIELD SERVICES

REV. #	DESCRIPTION	BY	DATE
4	CC REDESIGN 8-10-18	GT	8-14-18
5	CC REDESIGN 8-17-18	GT	8-29-18
6	CC REDESIGN 9-07-18	GT	9-13-18
7	DB REDLINES 10-08-18	LR	10-08-18
8	DB REDLINES 10-10-18	LR	10-10-18

C4

SHEET NUMBER: C4 OF C8

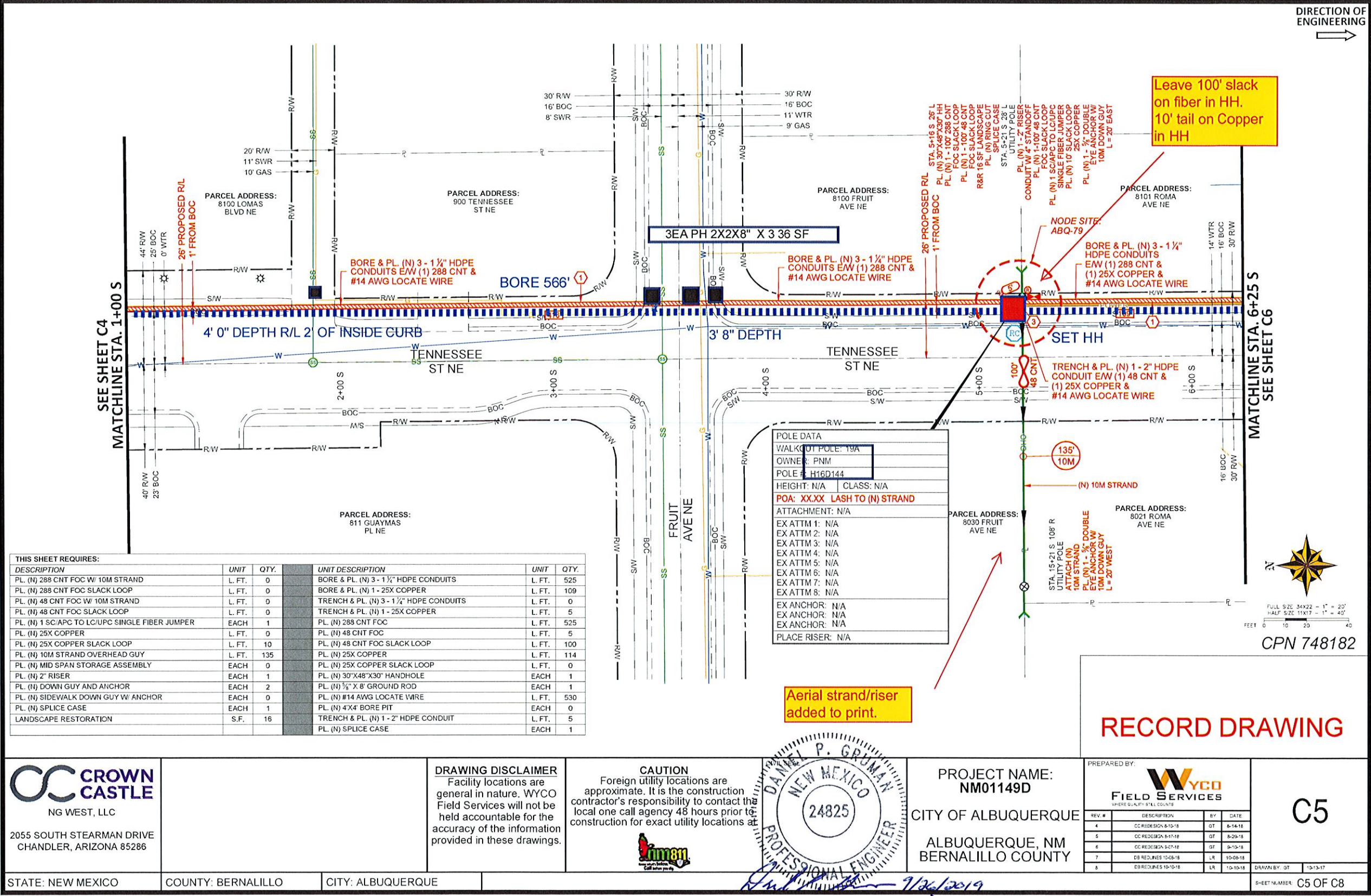
STATE: NEW MEXICO

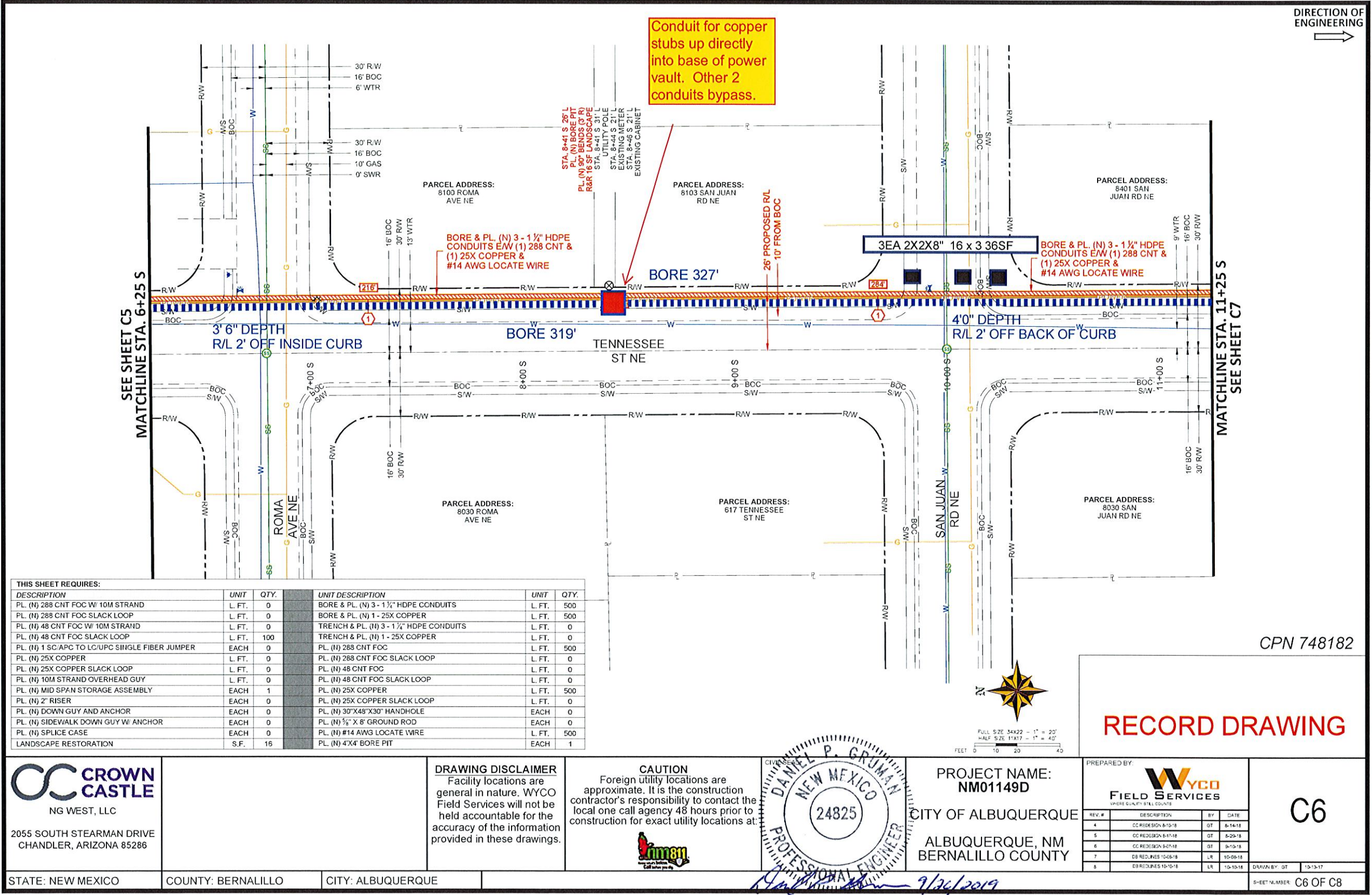
COUNTY: BERNALILLO

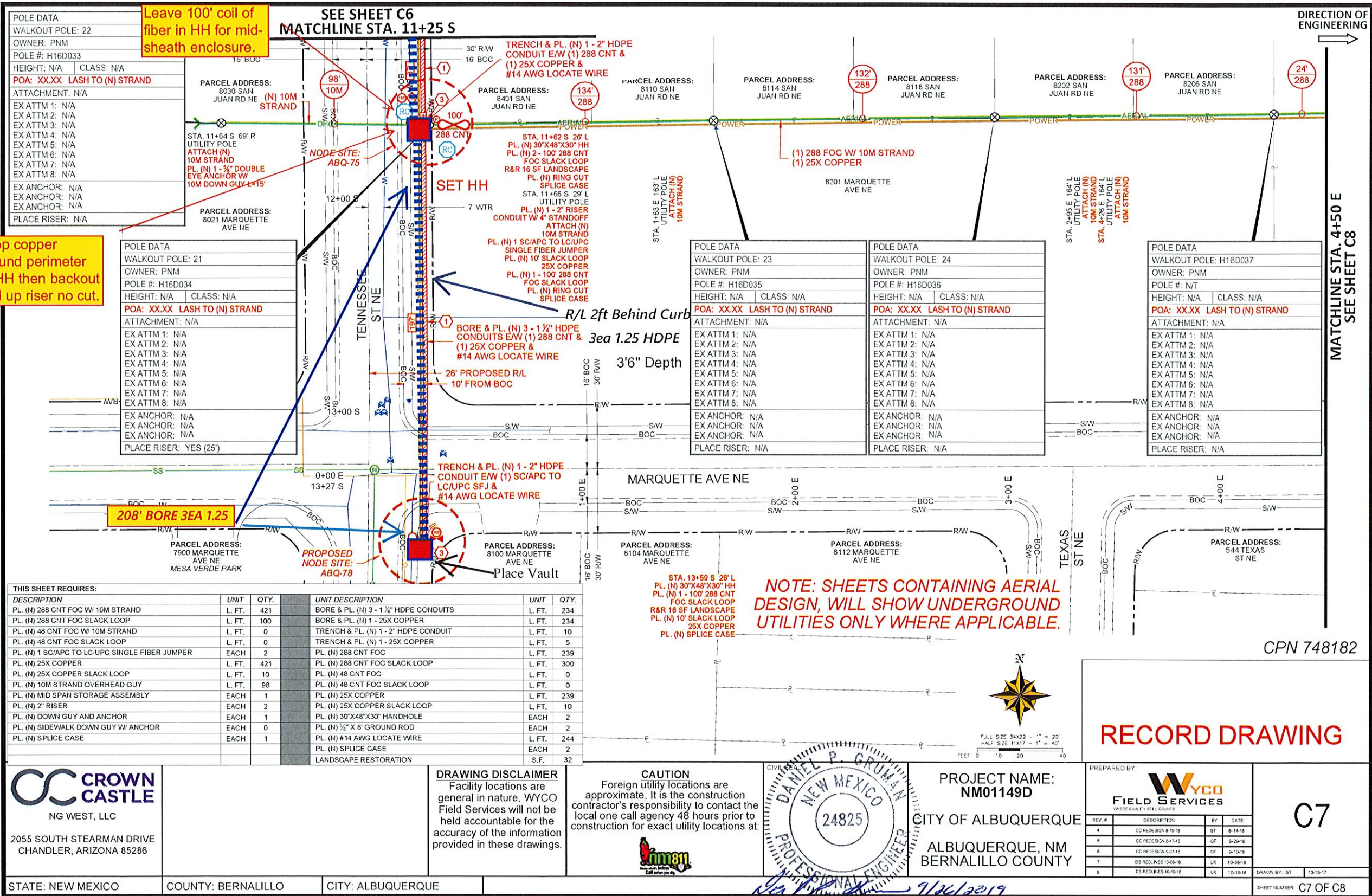
CITY: ALBUQUERQUE

24825
DANIEL P. GRUBAN
PROFESSIONAL ENGINEER

9/26/2019







POLE DATA	
WALKOUT POLE: 26	
OWNER: PNM	
POLE #: H16D060	
HEIGHT: N/A	CLASS: N/A
POA: XX.XX LASH TO (N) STRAND	
ATTACHMENT: N/A	
EX ATTM 1: N/A	
EX ATTM 2: N/A	
EX ATTM 3: N/A	
EX ATTM 4: N/A	
EX ATTM 5: N/A	
EX ATTM 6: N/A	
EX ATTM 7: N/A	
EX ATTM 8: N/A	
EX ANCHOR: N/A	
EX ANCHOR: N/A	
EX ANCHOR: N/A	
PLACE RISER: N/A	

POLE DATA	
WALKOUT POLE: 27	
OWNER: PNM	
POLE #: H16D038	
HEIGHT: N/A	CLASS: N/A
POA: XX.XX LASH TO (N) STRAND	
ATTACHMENT: N/A	
EX ATTM 1: N/A	
EX ATTM 2: N/A	
EX ATTM 3: N/A	
EX ATTM 4: N/A	
EX ATTM 5: N/A	
EX ATTM 6: N/A	
EX ATTM 7: N/A	
EX ATTM 8: N/A	
EX ANCHOR: N/A	
EX ANCHOR: N/A	
EX ANCHOR: N/A	
PLACE RISER: N/A	

POLE DATA	
WALKOUT POLE: 28	
OWNER: PNM	
POLE #: H16D040	
HEIGHT: N/A	CLASS: N/A
POA: XX.XX LASH TO (N) STRAND	
ATTACHMENT: N/A	
EX ATTM 1: N/A	
EX ATTM 2: N/A	
EX ATTM 3: N/A	
EX ATTM 4: N/A	
EX ATTM 5: N/A	
EX ATTM 6: N/A	
EX ATTM 7: N/A	
EX ATTM 8: N/A	
EX ANCHOR: N/A	
EX ANCHOR: N/A	
EX ANCHOR: N/A	
PLACE RISER: N/A	

DIRECTION OF
ENGINEERING
→

NOTE: SHEETS CONTAINING AERIAL
DESIGN, WILL SHOW UNDERGROUND
UTILITIES ONLY WHERE APPLICABLE.

THIS SHEET REQUIRES:					
DESCRIPTION	UNIT	QTY.	UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	233	BORE & PL. (N) 3 - 1 1/2" HDPE CONDUITS	L. FT.	0
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	100	BORE & PL. (N) 1 - 25X COPPER	L. FT.	0
PL. (N) 48 CNT FOC W/ 10M STRAND	L. FT.	0	TRENCH & PL. (N) 3 - 1 1/2" HDPE CONDUITS	L. FT.	0
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	0	TRENCH & PL. (N) 1 - 25X COPPER	L. FT.	0
PL. (N) 1 SC/APC TO LC/UPC SINGLE FIBER JUMPER	EACH	1	PL. (N) 288 CNT FOC	L. FT.	0
PL. (N) 25X COPPER	L. FT.	233	PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	0
PL. (N) 25X COPPER SLACK LOOP	L. FT.	10	PL. (N) 48 CNT FOC	L. FT.	0
PL. (N) 10M STRAND OVERHEAD GUY	L. FT.	0	PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	0
PL. (N) MID SPAN STORAGE ASSEMBLY	EACH	0	PL. (N) 25X COPPER	L. FT.	0
PL. (N) 2" RISER	EACH	0	PL. (N) 25X COPPER SLACK LOOP	L. FT.	0
PL. (N) DOWN GUY AND ANCHOR	EACH	1	PL. (N) 30"X48"X30" HANDHOLE	EACH	0
PL. (N) SIDEWALK DOWN GUY W/ ANCHOR	EACH	0	PL. (N) 5/8" X 8' GROUND ROD	EACH	0
PL. (N) SPLICE CASE	EACH	1	PL. (N) #14 AWG LOCATE WIRE	L. FT.	0
			PL. (N) 4'X4' BORE PIT	EACH	0



CC CROWN CASTLE
NG WEST, LLC
2055 SOUTH STEARMAN DRIVE
CHANDLER, ARIZONA 85286

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REV. #	DESCRIPTION	BY	DATE
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7	DB REQUIRES 10-05-18	LR	10-08-18
8	DB REQUIRES 10-10-18	LR	10-10-18

C8

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

DRAWN BY: GT 10-13-17
SHEET NUMBER: C8 OF C8