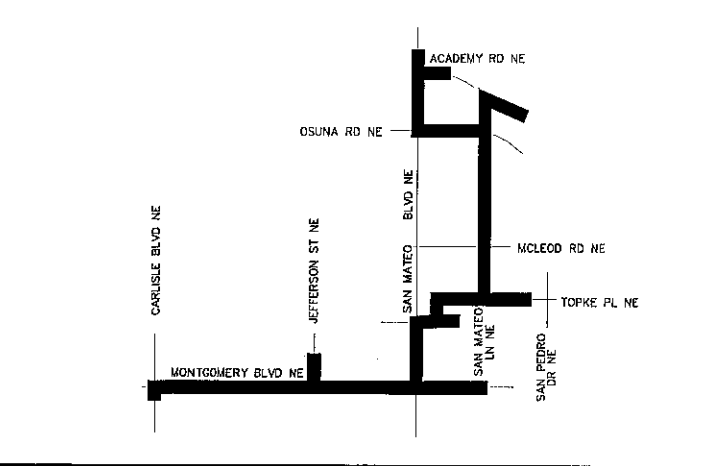


CITY OF ALBUQUERQUE
NEW MEXICO
PLANNING DEPARTMENT
BLDG AND DEVELOPMENT SERVICES



MONUMENT ID:

LOCATION: NNE QUADRANT OF BROADWAY BLVD & GRAND AVE NE
(SEE SHEET C6)

FOUND MONUMENT "15_E17"
THE BENCHMARK IS LOCATED 5.5 MILES NORTHEAST OF
DOWNTOWN ALBUQUERQUE. THE BENCHMARK IS LOCATED AT THE
INTERSECTION OF SAN MATEO BLVD. AND ACADEMY RD. NE.

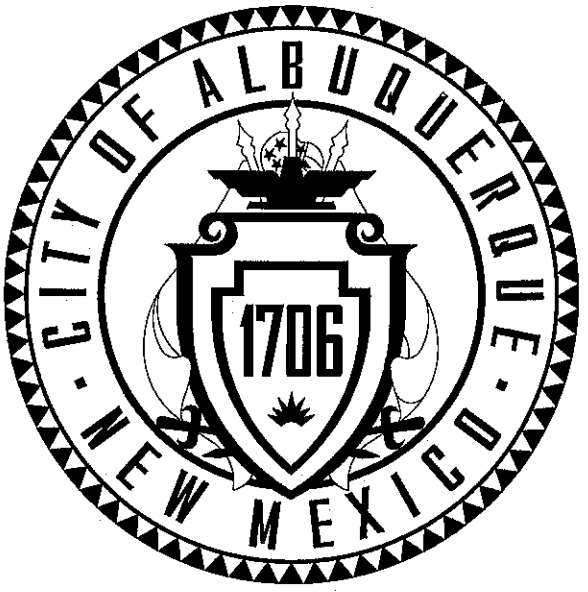
THE BENCHMARK IS A 1 3/4" METALLIC DISK EPOXIED TO THE TOP
OF THE NNW CURB RETURN OF THE INTERSECTION, STAMPED "ACS
BM 15-E17.

X = 1509408.01
Y = 1539794.3
ELEVATION IS 5208.108 (NAVD 1988)

APPROVED RECORD DRAWINGS	
City Inspector	Arlene Sandoval
Contractor	Kelly Cable of New Mexico
Construction Engineer	Muhanned Adeeb
Date	12/13/2019

As-Builts - 10/01/2019

BOC = Back Of Curb.
DOC = Depth Of Cover.
EOC = End Of Cable.
EOP = Edge Of Pipe.
SEQ = Sequential.



11-28-18

I, Daniel P. Gorman of 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 November 27, 2019

SURVEYING COMPANY

DATE

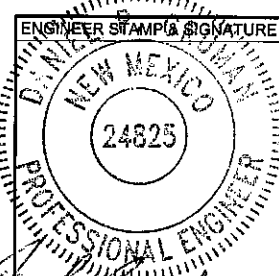
PROJECT NAME: CROWN CASTLE OSUNA NMO1116D
PROJECT STARTS NEAR SEAGULL ST NE &
OSUNA RD NE. NORTH ROUTE ENDS NEAR
SAN MATEO BLVD NE & ACADEMY RD NE.
SOUTH ROUTE ENDS NEAR CARLISLE BLVD NE.

CPN 658983

RECORD DRAWING



CALL NM ONE-CALL
SYSTEM SEVEN (7) DAYS
PRIOR TO ANY EXCAVATION



APPROVALS	ENGINEER	DATE	*****	
DRC CHAIRPERSON			APPROVED FOR CONSTRUCTION	
TRANSPORTATION				
WATER/WASTEWATER				
HYDROLOGY				
PARKS			CITY ENGINEER	

11/27/19

PROJECT NAME PROJECT NUMBER PROJECT LIMITS SUBMITAL NUMBER

THIS PROJECT REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	7892
E/W (N) 1 - 25X COPPER	L. FT.	859
E/W (N) 1 - 50X COPPER	L. FT.	6668
BORE & PL. (N) 6 - 1 1/4" HDPE CONDUITS	L. FT.	34
E/W (N) 2 - 50X COPPER	L. FT.	34
BORE & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	86
E/W (N) 1 - 50X COPPER	L. FT.	86
TRENCH & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	214
E/W (N) 1 - 25X COPPER	L. FT.	85
E/W (N) 1 - 50X COPPER	L. FT.	129
TRENCH & PL. (N) 6 - 1 1/4" HDPE CONDUITS	L. FT.	25
E/W (N) 2 - 50X COPPER	L. FT.	25
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	120
E/W (N) 1 - 50X COPPER	L. FT.	18
E/W (N) 2 - 25X COPPER	L. FT.	6
E/W (N) 2 - 50X COPPER	L. FT.	11
ASPHALT CUT & PL. (N) 6 - 1 1/4" HDPE CONDUITS	L. FT.	33
E/W (N) 1 - 50X COPPER	L. FT.	23
E/W (N) 2 - 50X COPPER	L. FT.	10
TRENCH & PL. (N) 1 - 2" & 6 - 1 1/4" HDPE CONDUITS	L. FT.	14
E/W (N) 3 - 50X COPPER	L. FT.	14
TRENCH & PL. (N) 1 - 2" & 3 - 1 1/4" HDPE CONDUITS	L. FT.	11
E/W (N) 2 - 50X COPPER	L. FT.	11
TRENCH & PL. (N) 1 - 4" & 3 - 1 1/4" HDPE CONDUITS	L. FT.	61
E/W (N) 1 - HYBRID CABLE	L. FT.	18
E/W (N) 2 - HYBRID CABLE	L. FT.	43
ASPHALT CUT & PL. (N) 1 - 4" & 3 - 1 1/4" HDPE CONDUITS	L. FT.	21
E/W (N) 1 - HYBRID CABLE	L. FT.	21
PL. (N) 288 CNT FOC	L. FT.	6911
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	2100
PL. (N) 48 CNT FOC	L. FT.	1581
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	1400
PL. (N) 25X COPPER	L. FT.	956
PL. (N) 25X COPPER SLACK LOOP	L. FT.	30
PL. (N) 50X COPPER	L. FT.	7148
PL. (N) 50X COPPER SLACK LOOP	L. FT.	130
PL. (N) (192 CNT / 25X COPPER) HYBRID CABLE	L. FT.	4680
PL. (N) HYBRID CABLE SLACK LOOP	L. FT.	800
PL. (N) 30"X48"X30" HANDHOLE	EACH	26
PL. (N) 36"X60"X36" HANDHOLE	EACH	3
PL. (N) 5/8" X 8' GROUND ROD	EACH	29
PL. (N) 4'X4' BORE PIT	EACH	31
PL. (N) #14 AWG LOCATE WIRE	L. FT.	8639
PL. (N) SPLICE CASE	EACH	39
CONCRETE RESTORATION	SF	534
ASPHALT RESTORATION	SF	252
LANDSCAPE RESTORATION	SF	727
PULL (N) FOC THRU (E) CENTURY LINK DUCT	L. FT.	4555

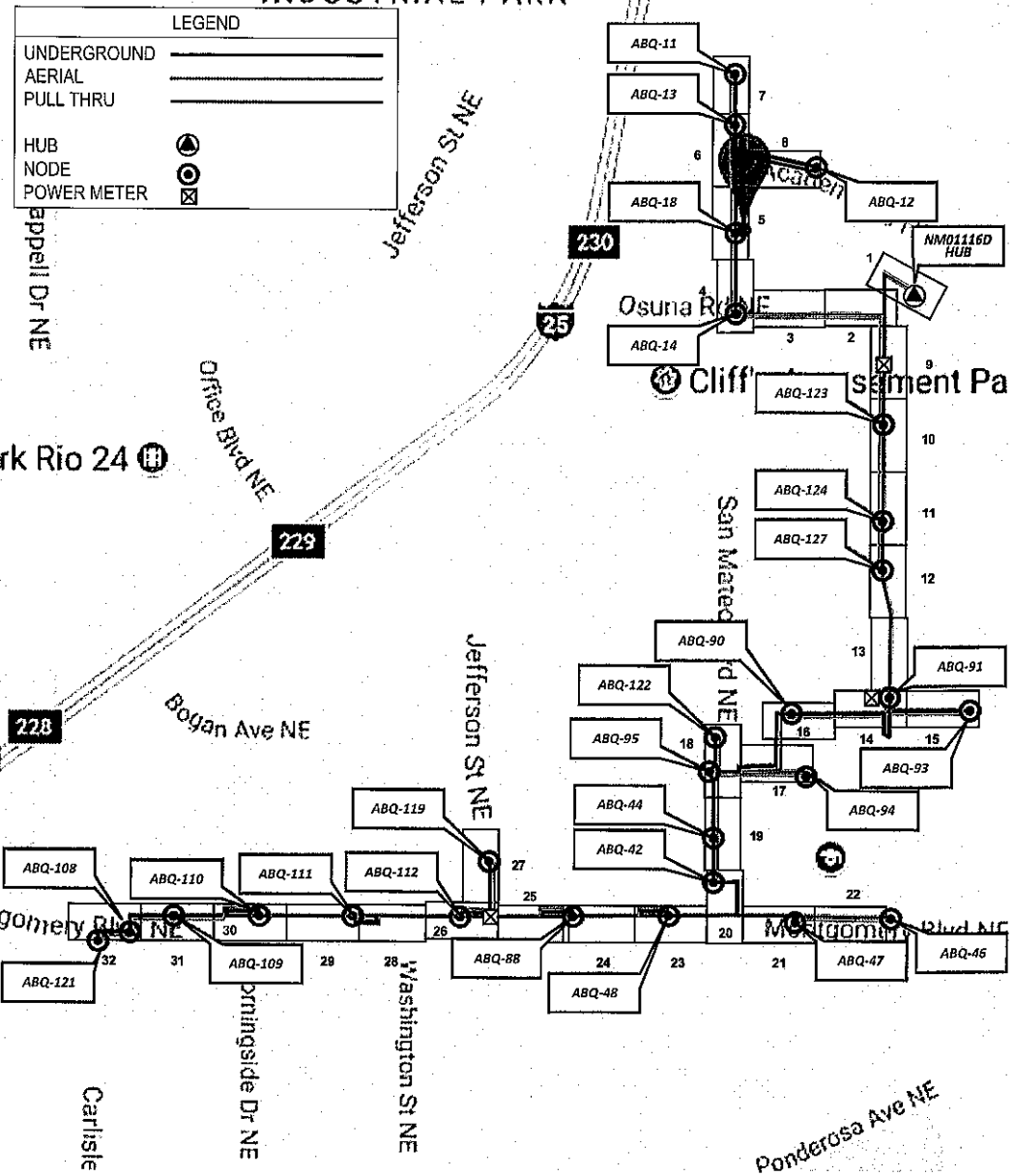


PROJECT NAME:
NM01116D
ALBUQUERQUE, NM
BERNALILLO COUNTY

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 gwallenberg@wycofs.com
RICHARD ALGERIA PROGRAM MANAGER 602-576-0951 richard.algeria@crowncastle.com		GIL TSOSIE SPECIALTY PROJECTS MGR gtsosie@wycofs.com

THIS PROJECT REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	6993
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	1650
PL. (N) 48 CNT FOC W/ 10M STRAND	L. FT.	728
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	300
PL. (N) 25X COPPER	L. FT.	728
PL. (N) 25X COPPER SLACK LOOP	L. FT.	20
PL. (N) 50X COPPER	L. FT.	5225
PL. (N) 50X COPPER SLACK LOOP	L. FT.	80
PL. (N) 1 - SC/APC TO LC/UPC SINGLE FIBER JUMPERS	EACH	28
PL. (N) 10M STRAND OVERHEAD GUY	L. FT.	353
PL. (N) 1 - 2" RISER	EACH	22
PL. (N) DOWN GUY AND ANCHOR	EACH	14
PL. (N) SIDEWALK DOWN GUY W/ ANCHOR	EACH	2
PL. (N) UTILITY POLE	EACH	1

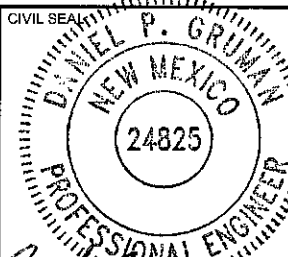
DRAWING INDEX	
T1	TITLE SHEET/VICINITY MAP
GN1	GENERAL NOTES
L1	LEGEND
D1 thru D5	TYPICAL DETAILS
1 thru 32	CONSTRUCTION SHEETS



NG WEST, LLC
2055 SOUTH STEARMAN DR.
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:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY: WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

TITLE
SHEET

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

CPN 658983

DRAWN BY: WB
SHEET NUMBER: T1

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

GENERAL NOTES

- 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.** 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 505-724-3137, Cell phone 505-206-0151, and e-mail DGOFF@CABQ.GOV.

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.

B. Expose utilities at crossings.

CPN 658983

Record drawing



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

DRAWING DISCLAIMER

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CIVIL SEAL:



PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDESIGN	GT	11-28-18

GENERAL
NOTES

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

DRAWN BY: WB 3-14-18
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		
	SIGNAL CONDUIT		BUSINESS SIGN		FIBER COUNT		
	ITS COMMUNICATIONS		TRANSFORMER		BORE TYPE CALLOUT		
	FENCE		TRAFFIC SIGNAL CABINET		TRENCH TYPE CALLOUT		
	AERIAL		VAULT		PROPOSED MANHOLE		
	CITY LIMITS		WOOD POLE		PROPOSED SPLICE ENCLOSURE		
	SIDEWALK		STEEL POLE		PROPOSED POLE REPLACEMENT		
	BACK OF CURB		TRUE NORTH ARROW		METER		
			NODE		CABINET		
					PROPOSED RING CUT		

CPN 658983

Record drawing

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

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY: WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
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7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

LEGEND

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

DRAWN BY: WB 3-14-18
SHEET NUMBER: L1

Diagram illustrating the components of a cable-stayed bridge structure:

- 10V STRAND
- FIBER SNOW SHOE
- LASHING CLAMP
- LASHING WIRE
- SLACK CHAIR

A cross-sectional diagram of a cable-stayed bridge. It shows a horizontal main cable supported by three vertical hangers. The hangers are labeled 'FIBER SHOT SPOKE'. The main cable is labeled 'HIGH STRENGTH CABLE'. The hangers are connected to the main cable using 'LASHING WIRE' and 'LASHING DAMP' components. A 'SLACK CABLE' is shown running parallel to the main cable below it.

A technical diagram of a cable clamp assembly. It shows a central horizontal cable with a U-shaped loop on the left. Two rectangular clamps are positioned on the cable. Labels with leader lines point to various parts: 'FIBER SHOE SHOE' at the top and bottom of the left clamp, 'CABLE CLAMP' at the top of the right clamp, 'LASHING CLAMP' at the far right end, 'SLACK CABLE' at the bottom of the right clamp, and 'FIBER SHOE SHOE' at the bottom of the left clamp.

Technical drawing of a cable clamp assembly, labeled "DETAIL 'E'". The drawing shows a cross-section of a cable with a central black cable and two outer fiber snow shields. A cable clamp is shown securing the assembly. Labels include: "CABLE CLAMP", "FIBER SNOW SHIELD", "BLACK CABLE", and "FIBER SNOW SH". The drawing is a detailed view of the cable clamp assembly.

Technical drawing of a cable clamp assembly, labeled "DETAIL 'E'". The drawing shows a cross-section of a cable with a central black cable and two outer fiber snow shields. A cable clamp is shown securing the assembly. Labels include: "CABLE CLAMP", "FIBER SNOW SHIELD", "BLACK CABLE", and "FIBER SNOW SH". The drawing is a detailed view of the cable clamp assembly.

Diagram illustrating the components of a bolted joint assembly, including labels for the Clamping Nut, Threaded Stud, Grooved Plates, Shoulder, 1st Lashing Wire, 2nd Lashing Wire, Terminating, 1st Washer, and 2nd Washer.

Technical drawing of a bridge deck cross-section. The drawing shows a horizontal line representing the support strand, with a label "SUPPORT STRAND" pointing to it. The strand is supported by two vertical posts. The distance between the posts is labeled "VARIES". The top of the posts are labeled "SEE DETAIL H". The bottom of the posts are labeled "VARIES".

JOINING 045 LASHING WIRE

REMOVE ANY SLACK IN THE LASHING WIRE BY MAINTAINING A PULL ON THE WIRE AND TAPPING THE STRAND SHARPLY. THEN FORM THE WIRE OVER THE STUD AND TIGHTEN THE NUT. CUT THE FREE END OF THE LASHING WIRE OFF 3/4" BEYOND THE END OF THE CLAMP.

FORM THE LASHING WIRE AROUND THE STRAND AND PL. IT BELOW THE STUD AND BETWEEN THE SECOND WASHER AND STUD SHOULDER.

FORMING WIRE OVER STUD OF CLAM

FORMING LASHING WIRE AROUND STRAP

C LASHING WIRE GRIP INSTALLED ON STRAND

Diagram C shows a cross-section of a cable with a lashing wire grip installed around it. The grip is a metal band with a central hole, secured by a clamping nut. A note indicates: "NOTE: LASHING WIRE SHOULD FOLLOW LAY OF STRAND WIRES UNDER GRIP".

D CABLE LASHING CLAMP

Diagram D shows a detailed view of the cable lashing clamp assembly. The components labeled are: 1ST LASHING WIRE, 2ND LASHING WIRE, TERMINATING NUT, 1ST WASHER, 2ND WASHER, GROOVED PLATES, THREADED STUD, CLAMPING NUT, and SHOULDER.

Diagram illustrating the cable support system components and installation details:

- GROUND WIRE CLAMP
- 5.8M OR 10M STRAND
- STAINLESS STEEL WASHER
- CABLE SUPPORT AND 1/2" SPACER
- CABLE LASHING WIRE CLAMP
- CAUTION TAG
- FIBER OPTIC CABLE
- GROUND IN COLOR
- POLE
- GROUND LEVEL
- GROUND ROD
- 8# INSULATED COPPER WIRE AND 10X3/4" COPPER CLAD GROUND ROD
- GROUND EVERY 1/4 MILE AT STRAND TO SHEATH BOND LOCATION

TYPICAL ARRANGEMENT OF
CABLE LASHER AND CABLE GUIDE

CABLE GUIDE

APPROX.
4"

CABLE LASHER

CABLE REEL

CABLE

SNAP

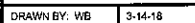
PULLING LINE

TYPICAL DETAIL - I

A technical diagram showing a cross-section of a cable suspension clamp assembly. A central vertical cylinder represents the cable. Two diagonal rods, labeled 'GUY', pass through the cable. At the top, a 'CABLE SUSPENSION BOLT' is shown with a '2 GUY HOOK' and a 'SPACER NUT'. A 'CURVED WASHER' is positioned between the bolt and the cable. A dimension line indicates a distance of '6"'. At the bottom, a 'CABLE SUSPENSION CLAMP' is shown with a '5/8" CABLE SUSPENSION BOLT' and another 'CURVED WASHER' between the bolt and the cable.

The diagram illustrates a messenger wire system. A horizontal line represents the messenger wire, with a vertical line intersecting it. Labels include: 'POLE' at the top of the vertical line, 'MESSENGER WIRE CONNECTION TO POLE' at the top of the horizontal line, 'POLE' at the left end of the horizontal line, 'MESSENGER WIRE CONNECTION TO POLE' at the left end of the horizontal line, 'FIBER CABLE' below the horizontal line, 'FIBER CABLE AND MESSENGER WIRE' at the right end of the horizontal line, and 'FIBER CABLE AND MESSENGER WIRE' at the bottom of the vertical line.

Record drawing

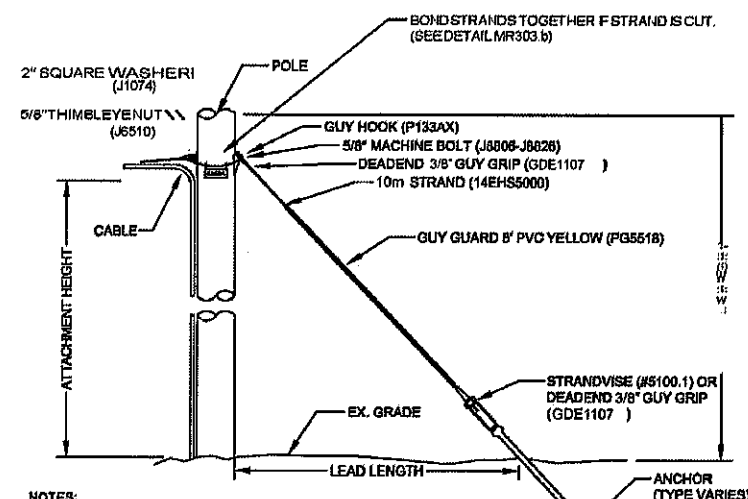


SHEET NUMBER: D1



Anchor & Down Guy Detail

TYPICAL DETAIL N.T.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 NR303b)

G095 Rule 86.9 Guy Marker (Guy Guard)

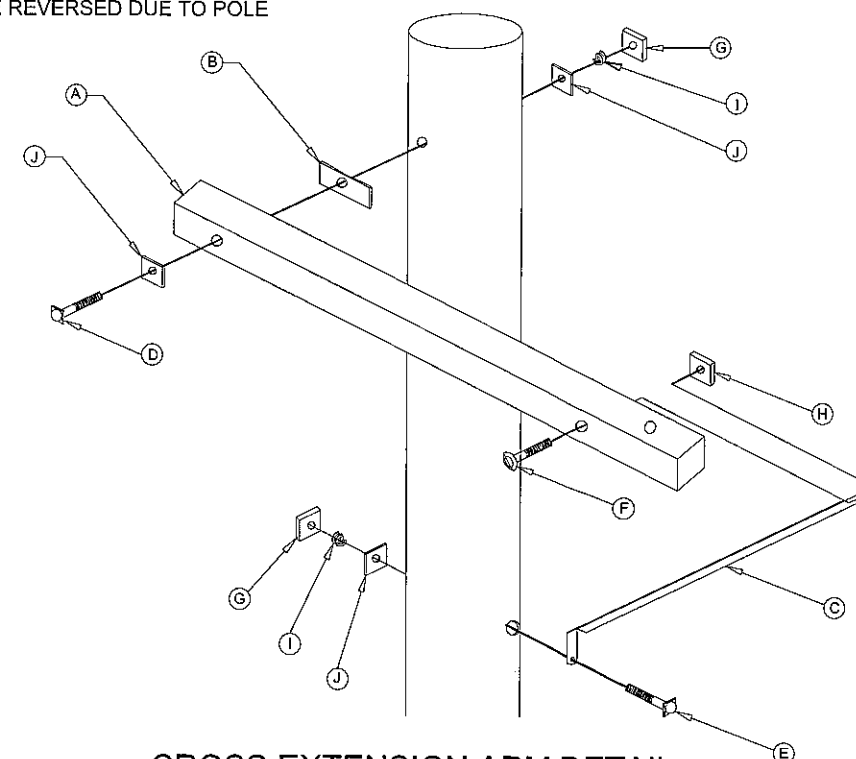
A substantial marker of suitable material, including but not limited to metal or plastic, not less than 8 feet in length, shall be securely attached to all anchor guys. Where more than one guy is attached to an anchor rod, only the outermost guy is required to have a marker.

PART LIST

- 1- (P133AX) P133AXM) GUY HOOK
- 1- (J8806-J8826) 5/8" MACHINE BOLT
- 1- (J6510) 5/8" THIMBLE NUT
- 1- (J1074) 2" SQUARE WASHER
- 1- (GDE1107) DEADEND 3/8" GUY GRIP
- 1- (8001.1) STRAND/ISE
- 1- (PG5518) 8" YELLOW PVC GUY GUARD
- 1- ANCHOR (TYPE VARIES)
- 1- CROWN ID TAG (SUPPLIED BY CROWN)
- 2- TIE WRAPS
- 1- (14EHS5000) 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 658983

Record drawing

ANCHOR & DOWN GUY DETAIL



NG WEST, LLC

2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

DRAWING DISCLAIMER

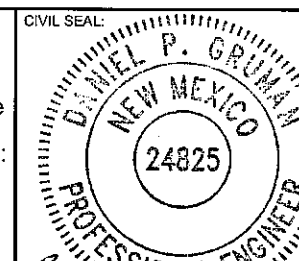
Facility locations are general in nature. WYCO Field Services will not be held accountable for the accuracy of the information provided in these drawings.

CAUTION

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CIVIL SEAL:



PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REQUINES REV 5	GT	3-16-18
6	DAVID B. REQUINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	8-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDESIGN	GT	11-28-18

TYPICAL
DETAILS

STATE: NEW MEXICO

COUNTY: BERNALILLO

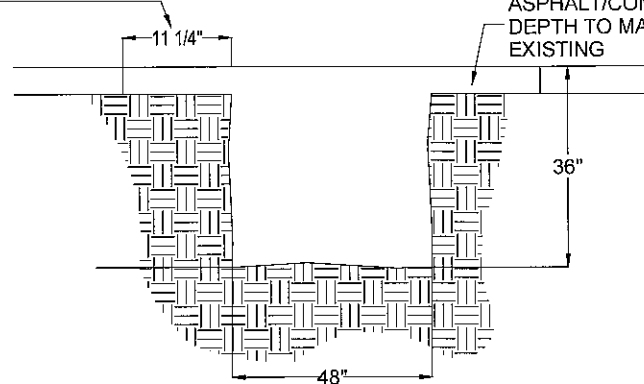
CITY: ALBUQUERQUE

DRAWN BY: WD

3-14-18

SHEET NUMBER: D2

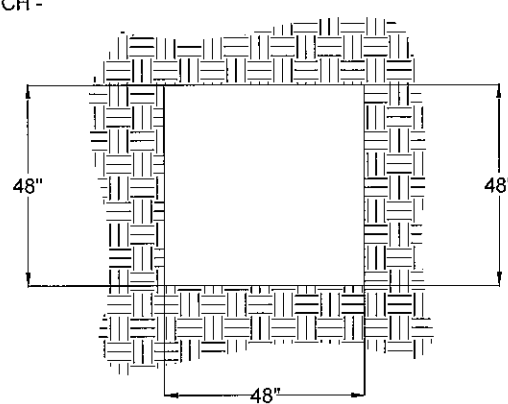
TEE TYPE PATCH



EVACUATION FOR HANDHOLES WILL ALSO BE USED FOR BORE / RECEIVING PITS WHEN PRACTICAL TO MINIMIZE DISTURBANCE.

PROTECT NEARBY DOWNSTREAM STORM DRAIN INLETS FROM POTENTIAL CONTAMINATION DUE TO CONSTRUCTION. SEE SHEET "BMP" FOR EXAMPLES OF TYPICAL INLET PROTECTION MEASURES.

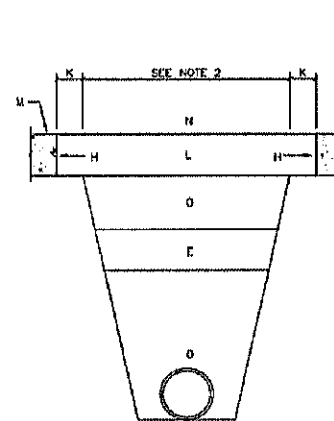
ASPHALT/CONCRETE PATCH - DEPTH TO MATCH EXISTING



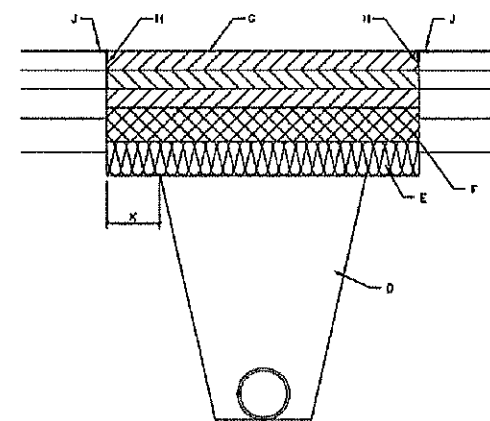
ACTUAL DIMENSIONS MAY VARY DEPENDING ON FIELD CONDITIONS.

VACUUM SLURRY FROM BORING OPERATIONS AS NEEDED TO ELIMINATE SEEPAGE INTO STREETS AND DRAINS.

BACKFILLS, COMPACTION, AND PAVEMENT PATCHES SHALL BE IN ACCORDANCE WITH COA DRAWING #2465.



CONCRETE PAVEMENT



ASPHALT CONCRETE PAVEMENT

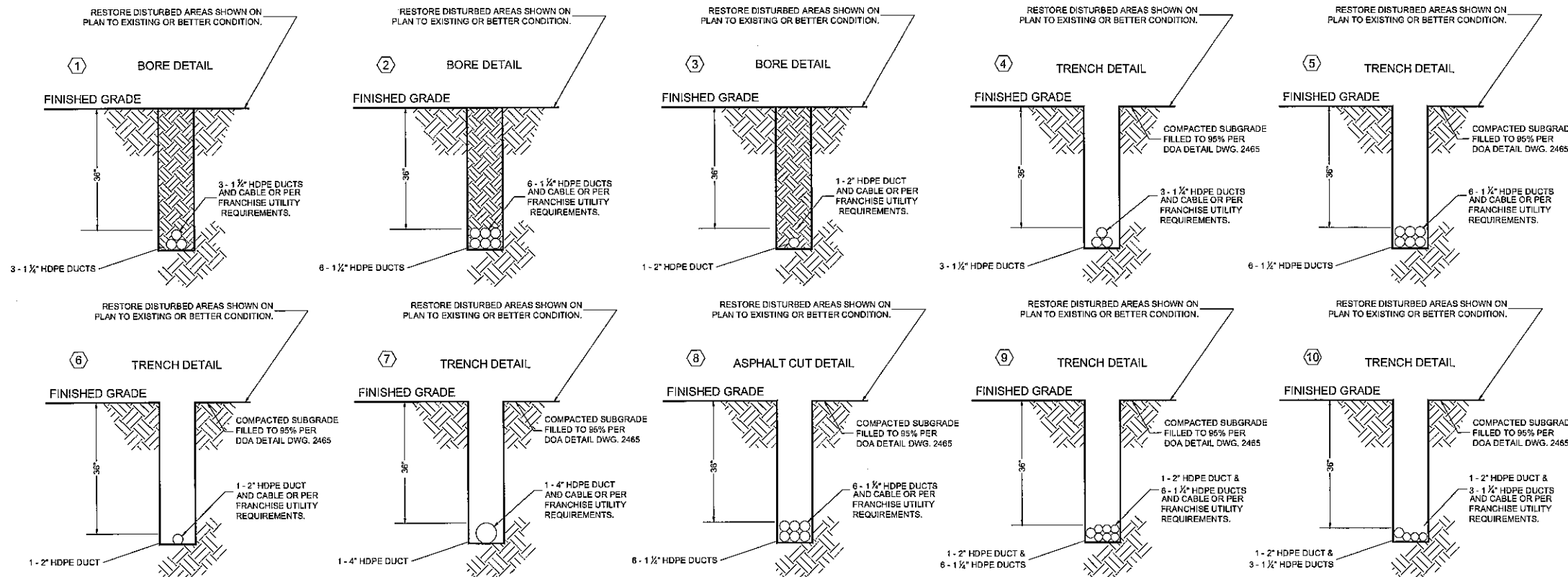
- GENERAL NOTES:**
1. COMPACTION AS DETERMINED BY ASTM D1557 MAX DENSITY.
 2. TRENCH CUT WIDTHS SHALL BE MIN. WIDTH REQ'D FOR UTILITY INSTALLATION, ECONOMICAL BACKFILL COMPACTION AND COMPLIANCE WITH CURRENT AND APPLICABLE SAFETY REGULATIONS.
 3. ALL PAVEMENTS CUT EDGES WILL BE TRIMMED TO PRESENT AN EVEN LINE PRIOR TO REPLACEMENT OF PAVING MATERIAL. "STITCH" CUTTING OF PAVEMENT WILL NOT BE PERMITTED.
 4. ADDITIONAL 2" THICKNESS OF ASPHALT CONC. REQ'D ON PAVEMENT CUTS LESS THAN 6" WIDE FOR ASPHALT CONC. PAVEMENT CUTS 6" OR MORE IN WIDTH AND LONGER THAN 100' SHALL BE PLACED WITH LAYDOWN MACHINE TO A DEPTH EQUAL TO THAT OF ASPHALT CONC. REMOVED.

- CONSTRUCTION NOTES:**
- A. EXISTING ASPHALT PAVEMENT.
 - B. EXISTING BASE MATERIAL (ABC, DTB, CTB)
 - C. EXISTING SUBGRADE
 - D. COMPACTED FILL, 95% COMPACTION
 - E. COMPACTED SUBGRADE, 95% COMPACTION
 - F. SUBGRADE TO MEET OR EXCEED APPARENT (I-VALUE OF ADJACENT SOIL BY SOIL CLASSIFICATION (2 FEET MIN.)). MATCH EXISTING BASE MATERIAL PLUS AN ADDITIONAL 2" OF THICKNESS - 95% COMPACTION
 - G. MATCH EXISTING ASPHALT CONCRETE SECTION PLUS AN ADDITIONAL 2" OF THICKNESS
 - a) FOR RESIDENTIAL STREETS, SURFACE COURSE SHALL BE 1 1/2" THICK, TYPE C
 - b) FOR MAJOR LOCAL STREETS, SURFACE COURSE SHALL BE 2" THICK, TYPE B
 - c) FOR ALL OTHER STREETS, SURFACE COURSE SHALL BE 2" THICK, TYPE B
 - H. SAW CUT OR BLADE-CUT ASPHALT PAVEMENT. SAW CUT ONLY ONE THIRD CONC. DEPTH
 - I. TACK COAT
 - J. 12" CUT-BACK
 - K. MATCH EXISTING CONCRETE PAVEMENT THICKNESS, 6" MINIMUM, 4000 PSI
 - L. EXISTING CONCRETE PAVEMENT
 - M. JOINTS TO BE TOoled & SEALED IN ACCORDANCE WITH ENGINEERS REQUIREMENTS
 - N. 6" CONC. TREATED BASE (C.T.B.)

REVISIONS	CITY OF ALBUQUERQUE
1/01	PAVING
12/15/92	CITYWIDE PAVEMENT CUTS FOR ALL UTILITIES
	DWG. 2465 JANUARY 2003

TYPICAL BORE PIT DETAIL

CITYWIDE PAVEMENT CUTS FOR ALL UTILITIES DETAIL



CPN 658983

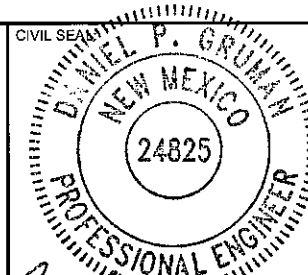
Record drawing

CROWN CASTLE
NG WEST, LLC

2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

DRAWING DISCLAIMER
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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:

WYCO
FIELD SERVICES
WHERE QUALITY STILL COUNTS

REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	5-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

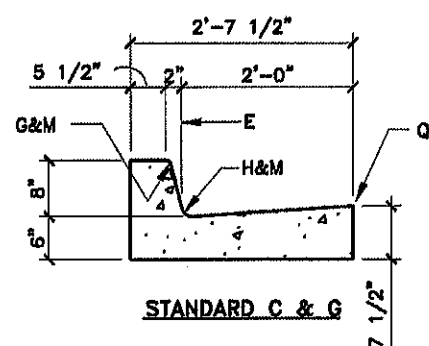
TYPICAL DETAILS

STATE: NEW MEXICO

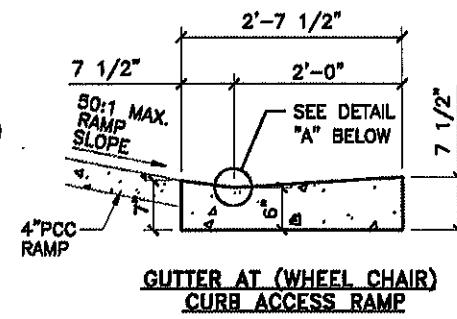
COUNTY: BERNALILLO

CITY: ALBUQUERQUE

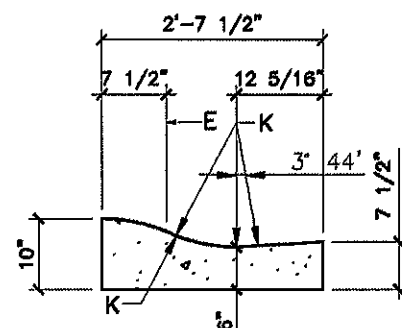
DRAWN BY: WB
SHEET NUMBER: D3



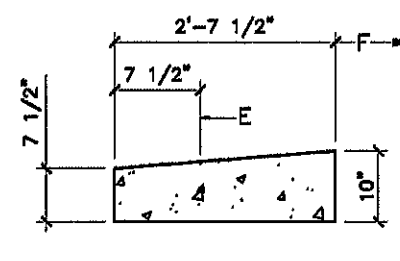
STANDARD C & G



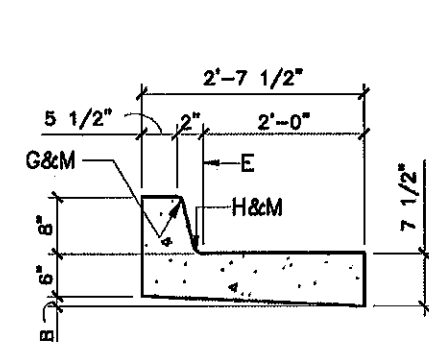
GUTTER AT (WHEEL CHAIR) CURB ACCESS RAMP



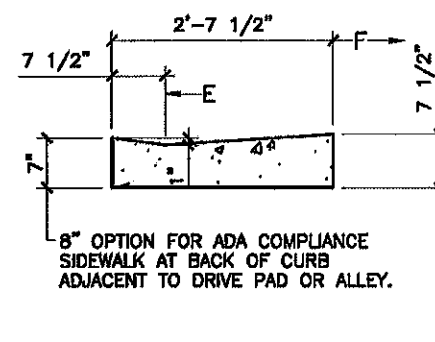
MOUNTABLE CURB ROLL TYPE



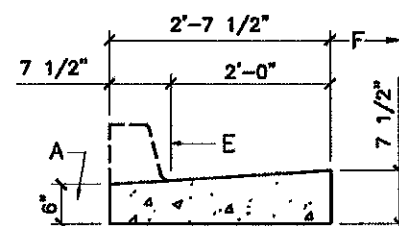
MOUNTABLE CURB ESTATE TYPE



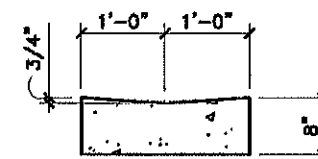
DEPRESSED GUTTER



GUTTER AT DRIVE PAD

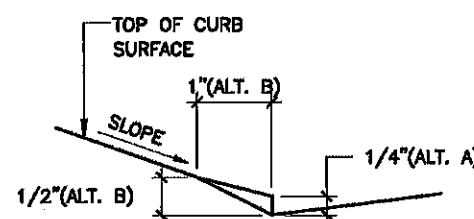


RUNDOWN CURB

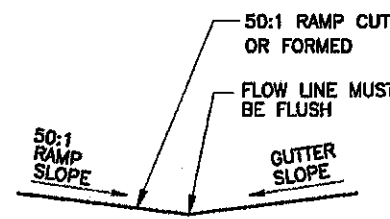


ALLEY GUTTER

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:**
1. CURB, GUTTER AND CUT-OFF WALL WILL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PCC).
 2. 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.
 3. 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.
 4. FOR C & G CONSTRUCTED WITH PCC PAVEMENT, CONTRACTION JOINTS AND EXPANSION JOINTS SHALL BE THE SAME AS THE PAVEMENT JOINTS.
 5. ALL EDGES SHALL BE EDGED WITH A 3/8" RADIUS EDGING TOOL.
 6. STANDARD C & G SHALL BE USED FOR NEW CONSTRUCTION UNLESS OTHERWISE AUTHORIZED BY THE CITY ENGINEER.
 7. REMOVE & REPLACE PAVEMENT 1" WIDE ADJACENT TO LIP OF GUTTER WHEN CONSTRUCTING C & G ADJACENT TO EXISTING AC PAVEMENT.
 8. 1/4" ISOLATION JOINT SHALL BE PLACED BETWEEN SIDEWALK AND C & G WHEN CAST ADJACENT TO EACH OTHER.
 9. 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 658983

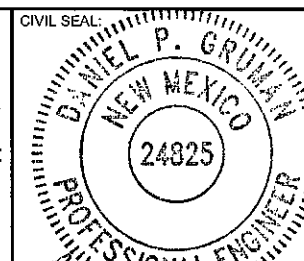
Record drawing

CURB AND GUTTER & CURB CUT DETAILS

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

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NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY: **WYCO FIELD SERVICES**

REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-19
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

TYPICAL DETAILS

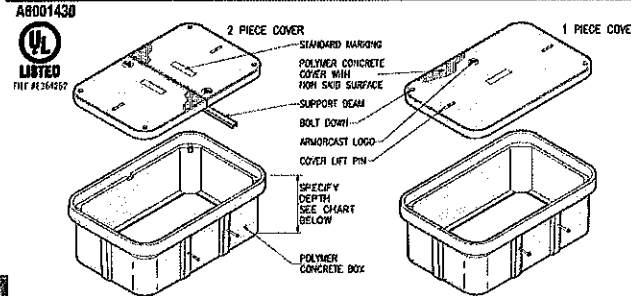
STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

DRAWN BY: WB 3-14-18
SHEET NUMBER: D4

30" X 48" HANDHOLE DETAIL

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

POLYMER CONCRETE ARMORCAST PRODUCTS COMPANY



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

DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	AVG. TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY
Box & Cover Assembly	30" x 48" x 12"	10K	8	A6001430APCK12 / A6001430HAPCK12	317 lbs.	5
Box & Cover Assembly	30" x 48" x 15"	20K	15 / 22	A6001430APCK15 / A6001430HAPCK15	325 lbs.	5
Box & Cover Assembly	30" x 48" x 18"	10K	8	A6001430APCK18	377 lbs.	2
Box & Cover Assembly	30" x 48" x 18"	20K	15 / 22	A6001430APCK18 / A6001430HAPCK18	365 lbs.	2
Box & Cover Assembly	30" x 48" x 24"	10K	8	A6001430APCK24	427 lbs.	3
Box & Cover Assembly	30" x 48" x 24"	20K	15 / 22	A6001430APCK24 / A6001430HAPCK24	435 lbs.	3
Box & Cover Assembly	30" x 48" x 30"	10K	8	A6001430APCK30	499 lbs.	3
Box & Cover Assembly	30" x 48" x 30"	20K	15 / 22	A6001430APCK30 / A6001430HAPCK30	508 lbs.	3
Box & Cover Assembly	30" x 48" x 36"	10K	8	A6001430APCK36	569 lbs.	1
Box & Cover Assembly	30" x 48" x 36"	20K	15 / 22	A6001430APCK36 / A6001430HAPCK36	578 lbs.	1
Box & Cover Assembly	30" x 48" x 48"	10K	8	A6001430APCK48	683 lbs.	1
Box & Cover Assembly	30" x 48" x 48"	20K	15 / 22	A6001430APCK48 / A6001430HAPCK48	671 lbs.	1

COMPONENTS

DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	AVG. TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY
Replacement Covers	30" x 48" - 1 pc.	10K	8	A6001830	140 lbs.	10
Replacement Covers	30" x 48" - 2 pc.	20K	15 / 22	A6001830T / A6001830H (1)	90 lbs. ea.	20
Replacement Covers	30" x 48" - 2 pc.	20K	15 / 22	A6001430T / A6001430H (2 pc. Req.)	100 lbs. ea.	20
Replacement Boxes	30" x 48" x 12"	10K / 20K	22	A6001430PC12	137 lbs.	8
Replacement Boxes	30" x 48" x 15"	10K / 20K	22	A6001430PC15	150 lbs.	2
Replacement Boxes	30" x 48" x 24"	10K / 20K	22	A6001430PC24	255 lbs.	3
Replacement Boxes	30" x 48" x 30"	10K / 20K	22	A6001430PC30	300 lbs.	3
Replacement Boxes	30" x 48" x 36"	10K / 20K	22	A6001430PC36	371 lbs.	1
Replacement Boxes	30" x 48" x 48"	10K / 20K	22	A6001430PC48	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. 6 VALUABLES AND REQUIREMENTS BY UL.

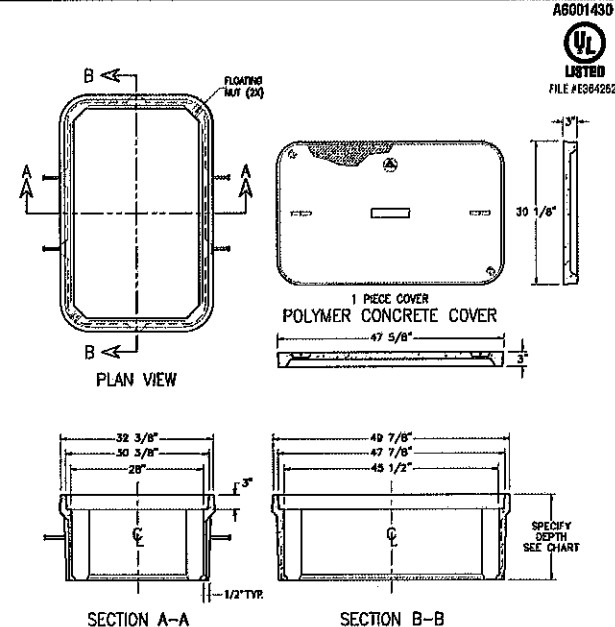
www.armorcastprod.com Tel: (616) 982-3600 Fax: (616) 982-7742

42



30" x 48" BOX ASSEMBLY STANDARD DIMENSIONS

POLYMER CONCRETE ARMORCAST PRODUCTS COMPANY



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.

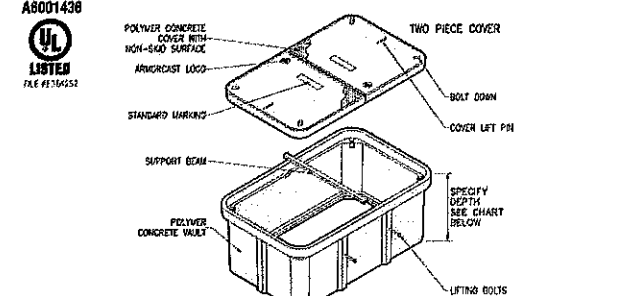
Tel: (616) 982-3600 Fax: (616) 982-7742

43

36" X 60" HANDHOLE DETAIL

36" x 60" VAULT ASSEMBLY 12" to 48" DEPTHS

POLYMER CONCRETE ARMORCAST PRODUCTS COMPANY



36"W x 60"L VAULT ASSEMBLIES Specify Depth Below

DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	AVG. TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY
Vault & Cover Assembly	36" x 60" x 12"	10K	8	A6001436APCK12	499 lbs.	3
Vault & Cover Assembly	36" x 60" x 12"	20K	15 / 22	A6001436APCK12 / A6001436HAPCK12	499 lbs.	3
Vault & Cover Assembly	36" x 60" x 15"	10K	8	A6001436APCK15	553 lbs.	2
Vault & Cover Assembly	36" x 60" x 15"	20K	15 / 22	A6001436APCK15 / A6001436HAPCK15	553 lbs.	2
Vault & Cover Assembly	36" x 60" x 24"	10K	8	A6001436APCK24	620 lbs.	3
Vault & Cover Assembly	36" x 60" x 24"	20K	15 / 22	A6001436APCK24 / A6001436HAPCK24	620 lbs.	3
Vault & Cover Assembly	36" x 60" x 30"	10K	8	A6001436APCK30	680 lbs.	1
Vault & Cover Assembly	36" x 60" x 30"	20K	15 / 22	A6001436APCK30 / A6001436HAPCK30	680 lbs.	1
Vault & Cover Assembly	36" x 60" x 36"	10K	8	A6001436APCK36	820 lbs.	1
Vault & Cover Assembly	36" x 60" x 36"	20K	15 / 22	A6001436APCK36 / A6001436HAPCK36	820 lbs.	1
Vault & Cover Assembly	36" x 60" x 48"	10K	8	A6001436APCK48	855 lbs.	1
Vault & Cover Assembly	36" x 60" x 48"	20K	15 / 22	A6001436APCK48 / A6001436HAPCK48	809 lbs.	1

COMPONENTS

DESCRIPTION	NOMINAL SIZE W x L x D	LOAD RATING	AVG. TIER	PART NUMBER	APPROX. WEIGHT	PALLET QTY
Replacement Covers	36" x 60" - 2 pc.	10K	8	A6001437 (2 pc. Req.)	147 lbs.	20
Replacement Covers	36" x 60" - 2 pc.	20K	15 / 22	A6001437T / A6001437H (2 pc. Req.)	147 lbs.	20
Replacement Vaults	36" x 60" x 12"	10K / 20K	22	A6001436PC12	295 lbs.	8
Replacement Vaults	36" x 60" x 15"	10K / 20K	22	A6001436PC15	299 lbs.	2
Replacement Vaults	36" x 60" x 24"	10K / 20K	22	A6001436PC24	329 lbs.	2
Replacement Vaults	36" x 60" x 30"	10K / 20K	22	A6001436PC30	385 lbs.	1
Replacement Vaults	36" x 60" x 36"	10K / 20K	22	A6001436PC36	525 lbs.	1
Replacement Vaults	36" x 60" x 48"	10K / 20K	22	A6001436PC48	600 lbs.	1
Extension	36" x 60" x 6"	10K / 20K	22	A6001436PC6	167 lbs.	5

* Vaults are Open Bottom, and Stackable. Also available with Split Base or 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

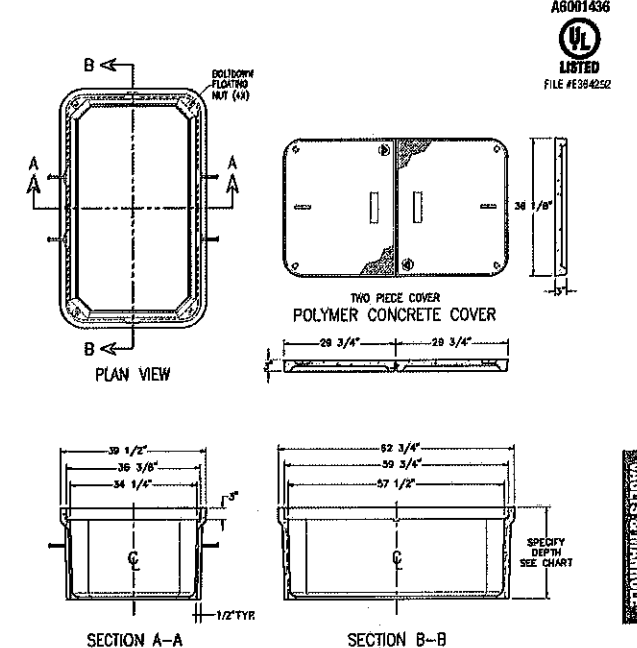
Tel: (616) 982-3600 Fax: (616) 982-7742

50



36" x 60" VAULT ASSEMBLY STANDARD DIMENSIONS

POLYMER CONCRETE ARMORCAST PRODUCTS COMPANY



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Tel: (616) 982-3600 Fax: (616) 982-7742

61

CPN 658983

Record drawing



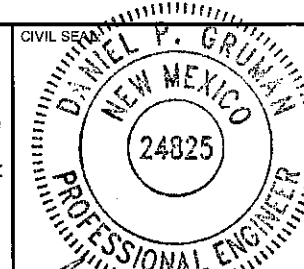
2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

DRAWING DISCLAIMER

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CAUTION

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

TYPICAL
DETAILS

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

DRAWN BY: WB 3-14-18

SHEET NUMBER: D5

POLE DATA	
WALKOUT POLE: 24	
OWNER: PNM	
POLE #: H14A382 PNM	
HEIGHT: 40	CLASS: 2
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: 19' 3" - COMMUNICATION	
EX ATT2: 17' 5" - COMMUNICATION	
EX ATT3: 15' - RISER	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 23	
OWNER: PNM	
POLE #: H14A381 PNM	
HEIGHT: 40	CLASS: 2
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: 18' 2" - COMMUNICATION	
EX ATT2: 17' 1" - COMMUNICATION	
EX ATT3: 15' 3" - RISER	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 22	
OWNER: PNM	
POLE #: N/T	
HEIGHT: 40	CLASS: 2
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: 17' 10" - COMMUNICATION	
EX ATT2: 15' 9" - COMMUNICATION	
EX ATT3: 14' 6" - RISER	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 25	
OWNER: PNM	
POLE #: H14A383 PNM	
HEIGHT: 40	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: 19' 9" - COMMUNICATION	
EX ATT2: 18' 4" - RISER	
EX ATT3: 17' 1" - RISER	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 26	
OWNER: PNM	
POLE #: H14A384 PNM	
HEIGHT: 45	CLASS: 2
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: 22' 3" - GUY	
EX ATT2: 21' 3" - COMMUNICATION	
EX ATT3: 21' 2" - GUY	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 27	
OWNER: PNM	
POLE #: H14A412	
HEIGHT: 40	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: 20' 2" - RISER	
EX ATT2: 19' 5" - COMMUNICATION	
EX ATT3: 18' 9" - RISER	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 28	
OWNER: PNM	
POLE #: H14A490	
HEIGHT: 40	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: 20' 1" - COMMUNICATION	
EX ATT2: 20' - GUY	
EX ATT3: 19' 1" - COMMUNICATION	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

SEQ# slack loop
19642 in 19792 outSEQ# at pole -
19882SEQ# at pole -
19642SEQ# at pole -
20149SEQ# at pole -
20185SEQ# at pole -
20249SEQ# at pole -
20277SEQ# at pole -
20295

BEAR CANYON ARROYO

LASH (N) 1 - 288 CNT FOC
TO (N) 10M STRANDNOTE: PROPERTY LINE
USED AS C/L FOR
OFFSET PURPOSES.6001
OSUNA
RD NENOTE: SHEETS CONTAINING AERIAL
DESIGN, WILL SHOW UNDERGROUND
UTILITIES ONLY WHERE APPLICABLE.

THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	545
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	150
PL. (N) DOWN GUY AND ANCHOR	EACH	3
PL. (N) SPLICE CASE	EACH	1

FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'

CPN 658983

Record drawing

2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

DRAWING DISCLAIMER

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construction for exact utility locations at:PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

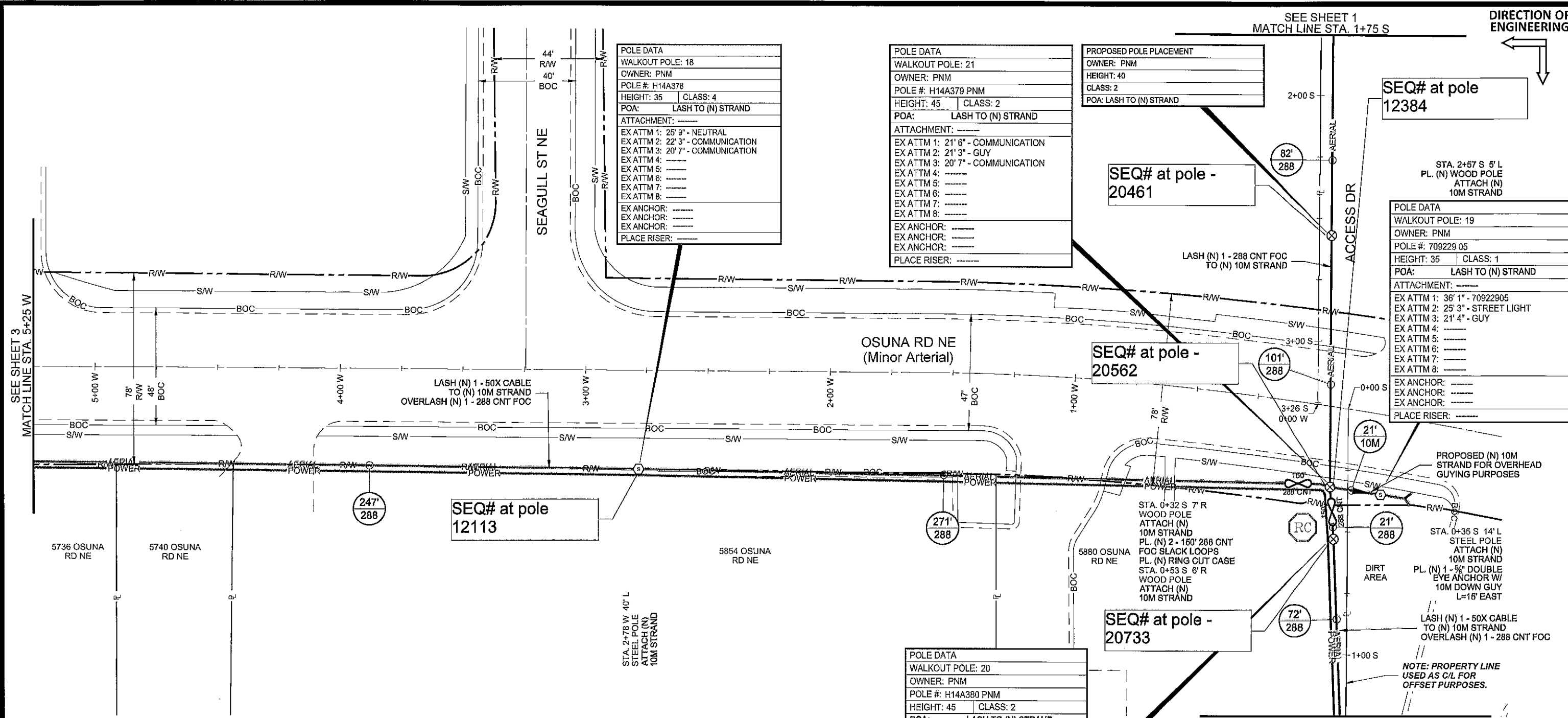
DRAWN BY: WB 3-14-18

SHEET NUMBER: 1 OF 32

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE



POLE DATA	
WALKOUT POLE:	18
OWNER:	PNM
POLE #:	H14A378
HEIGHT:	35
CLASS:	4
POA:	LASH TO (N) STRAND
ATTACHMENT:	
EX ATT1:	25' 9" - NEUTRAL
EX ATT2:	22' 3" - COMMUNICATION
EX ATT3:	20' 7" - COMMUNICATION
EX ATT4:	
EX ATT5:	
EX ATT6:	
EX ATT7:	
EX ATT8:	
EX ANCHOR:	
EX ANCHOR:	
EX ANCHOR:	
PLACE RISER:	

POLE DATA	
WALKOUT POLE:	21
OWNER:	PNM
POLE #:	H14A379 PNM
HEIGHT:	45
CLASS:	2
POA:	LASH TO (N) STRAND
ATTACHMENT:	
EX ATT1:	21' 6" - COMMUNICATION
EX ATT2:	21' 3" - GUY
EX ATT3:	20' 7" - COMMUNICATION
EX ATT4:	
EX ATT5:	
EX ATT6:	
EX ATT7:	
EX ATT8:	
EX ANCHOR:	
EX ANCHOR:	
EX ANCHOR:	
PLACE RISER:	

PROPOSED POLE PLACEMENT	
OWNER:	PNM
HEIGHT:	40
CLASS:	2
POA:	LASH TO (N) STRAND

SEQ# at pole 12384

STA. 2+57 S 5' L
PL. (N) WOOD POLE
ATTACH (N)
10M STRAND

POLE DATA	
WALKOUT POLE:	19
OWNER:	PNM
POLE #:	709229 05
HEIGHT:	35
CLASS:	1
POA:	LASH TO (N) STRAND
ATTACHMENT:	
EX ATT1:	36' 1" - 70922905
EX ATT2:	25' 3" - STREET LIGHT
EX ATT3:	21' 4" - GUY
EX ATT4:	
EX ATT5:	
EX ATT6:	
EX ATT7:	
EX ATT8:	
EX ANCHOR:	
EX ANCHOR:	
EX ANCHOR:	
PLACE RISER:	

SEQ# at pole 12113

SEQ# at pole - 20562

SEQ# at pole - 20733

POLE DATA	
WALKOUT POLE:	20
OWNER:	PNM
POLE #:	H14A380 PNM
HEIGHT:	45
CLASS:	2
POA:	LASH TO (N) STRAND
ATTACHMENT:	
EX ATT1:	22' 7" - COMMUNICATION
EX ATT2:	21' 6" - COMMUNICATION
EX ATT3:	17' 10" - 2x RISER
EX ATT4:	
EX ATT5:	
EX ATT6:	
EX ATT7:	
EX ATT8:	
EX ANCHOR:	
EX ANCHOR:	
EX ANCHOR:	
PLACE RISER:	

THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	794
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	300
PL. (N) 50X COPPER	L. FT.	611
PL. (N) 10M STRAND OVERHEAD GUY	L. FT.	21
PL. (N) DOWN GUY AND ANCHOR	EACH	1
PL. (N) SPLICE CASE	EACH	1
PL. (N) UTILITY POLE	EACH	1

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



FULL SIZE 34x22 - 1" = 20'
HALF SIZE 11x17 - 1" = 40'

MATCH LINE STA. 1+25 S
SEE SHEET 9
CPN 658983

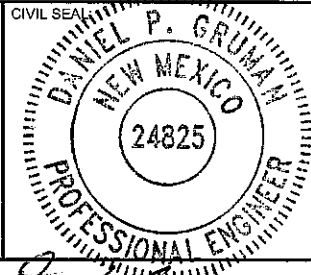
Record drawing

2

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

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:			
WYCO FIELD SERVICES WHERE QUALITY STILL COUNTS			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	8-11-18
9	CC REDLINES	GT	11-28-18

DRAWN BY: WB 3-14-18
SHEET NUMBER: 2 OF 32

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

DIRECTION OF
ENGINEERING
←

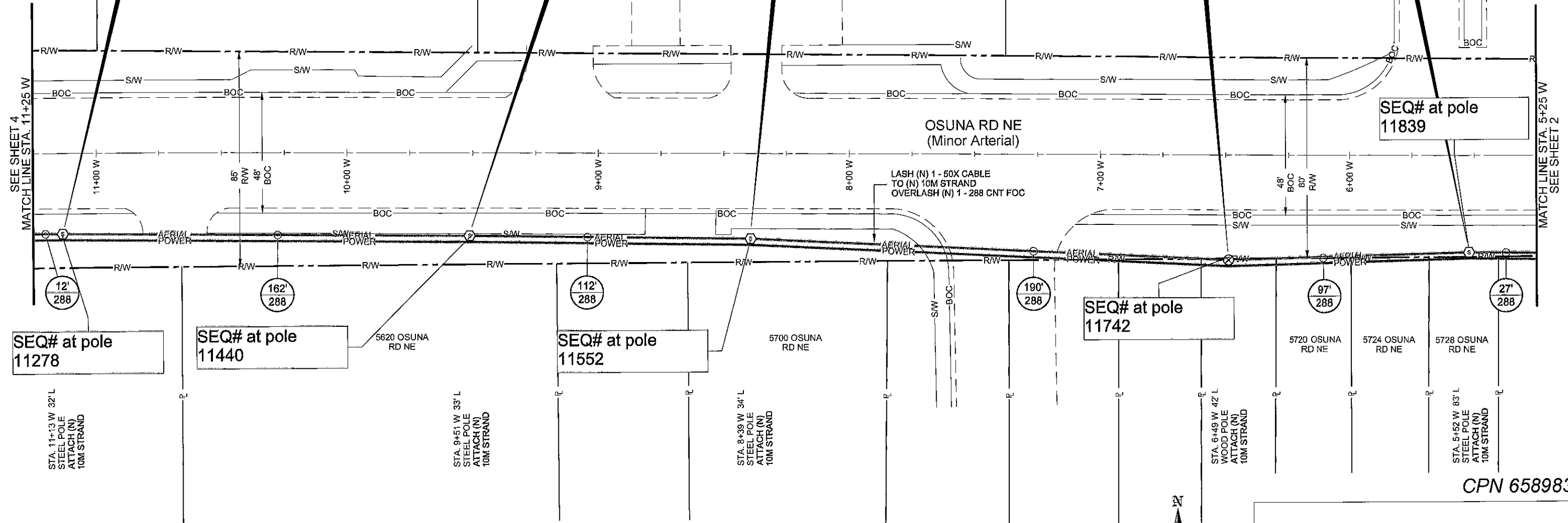
POLE DATA	
WALKOUT POLE: 13	
OWNER: PNM	
POLE #: H14A371	
HEIGHT: 35	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATTM 1: 26' 8" - NEUTRAL	
EX ATTM 2: 23' 6" - RISER	
EX ATTM 3: 23' - COMMUNICATION	
EX ATTM 4: -----	
EX ATTM 5: -----	
EX ATTM 6: -----	
EX ATTM 7: -----	
EX ATTM 8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 14	
OWNER: PNM	
POLE #: H14A377	
HEIGHT: 35	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATTM 1: 31' 2" - PRIMARY	
EX ATTM 2: 26' 8" - 2x NEUTRAL	
EX ATTM 3: 22' 11" - COMMUNICATION	
EX ATTM 4: -----	
EX ATTM 5: -----	
EX ATTM 6: -----	
EX ATTM 7: -----	
EX ATTM 8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 15	
OWNER: PNM	
POLE #: H14A373	
HEIGHT: -----	CLASS: -----
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATTM 1: 20' 8" - STREET LIGHT	
EX ATTM 2: 20' 2" - COMMUNICATION	
EX ATTM 3: 18' 5" - COMMUNICATION	
EX ATTM 4: -----	
EX ATTM 5: -----	
EX ATTM 6: -----	
EX ATTM 7: -----	
EX ATTM 8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 17	
OWNER: PNM	
POLE #: H14A372	
HEIGHT: 35	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATTM 1: 24' 3" - STREET LIGHT	
EX ATTM 2: 23' 7" - COMMUNICATION	
EX ATTM 3: 22' 5" - COMMUNICATION	
EX ATTM 4: -----	
EX ATTM 5: -----	
EX ATTM 6: -----	
EX ATTM 7: -----	
EX ATTM 8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 16	
OWNER: PNM	
POLE #: H14A504	
HEIGHT: 45	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATTM 1: 24' 7" NEUTRAL	
EX ATTM 2: 21' 3" COMMUNICATION	
EX ATTM 3: 19' 4" COMMUNICATION	
EX ATTM 4: -----	
EX ATTM 5: -----	
EX ATTM 6: -----	
EX ATTM 7: -----	
EX ATTM 8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	



THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	600
PL. (N) 50X COPPER	L. FT.	600

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



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'
FEET 0 10 20 40

CPN 658983

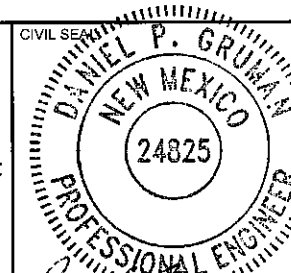
Record drawing



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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PROJECT NAME:
NM0116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

DRAWN BY: WB 3-14-18

3

SHEET NUMBER: 3 OF 32

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

11/27/19



Record drawing



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'

FEET 0 10 20 40

PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 10M STRAND OVERHEAD GUY	L. FT.	152
PL. (N) DOWN GUY AND ANCHOR	EACH	2
PL. (N) SPLICE CASE	EACH	1

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



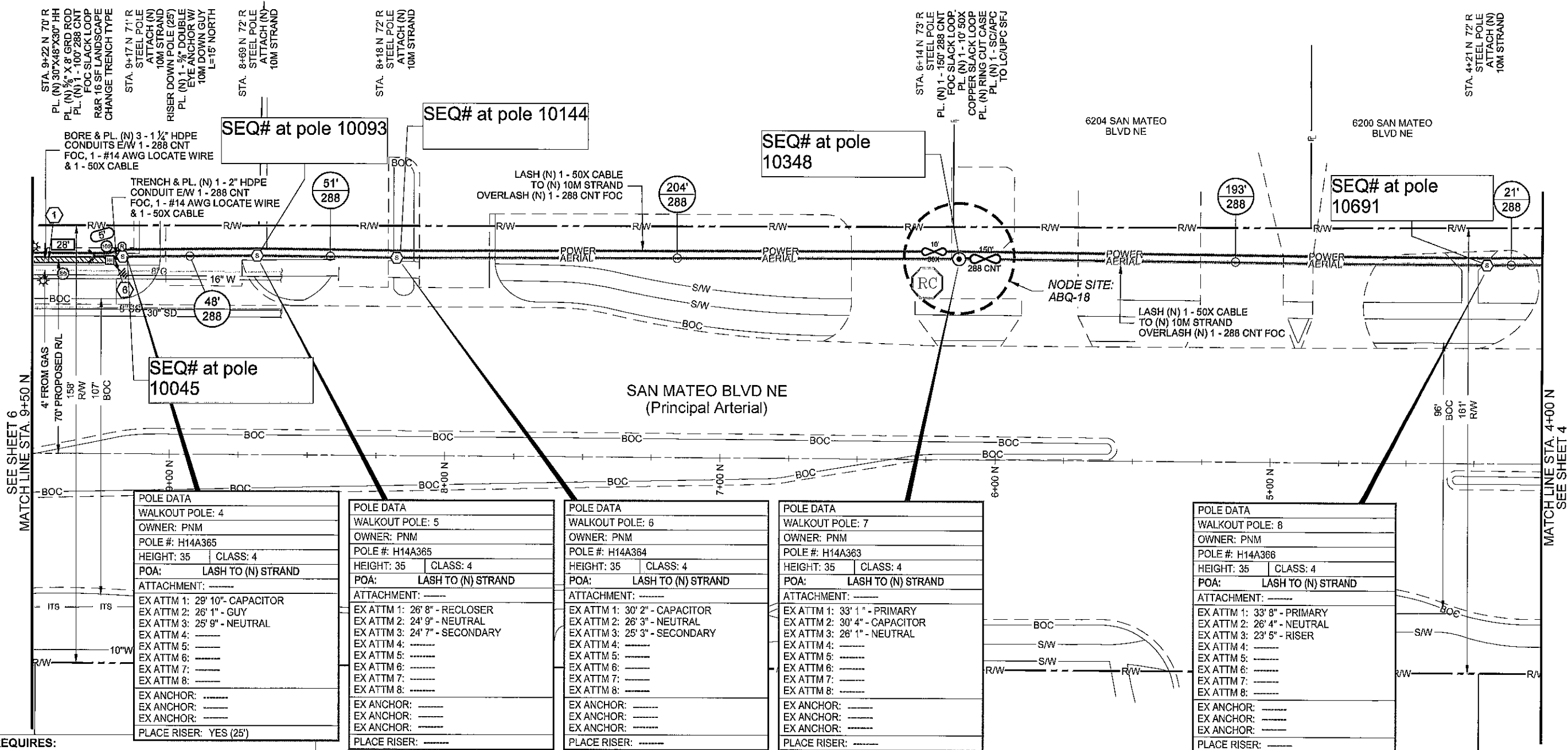
WYCO
FIELD SERVICES

4

DRAWN BY: WB	3-14-18
--------------	---------

SHEET NUMBER: 4 OF 32

DIRECTION OF
ENGINEERING

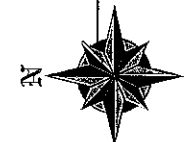


THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	517
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	150
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 50X COPPER	L. FT.	517
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 1 - 2" RISER	EACH	1
PL. (N) DOWN GUY AND ANCHOR	EACH	1
PL. (N) SPLICE CASE	EACH	1
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	28
E/W (N) 1 - 50X COPPER	L. FT.	28

TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	5
E/W (N) 1 - 50X COPPER	L. FT.	5
PL. (N) 288 CNT FOC	L. FT.	33
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 50X COPPER	L. FT.	28
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	33
LANDSCAPE RESTORATION	SF	16

NOTE: SHEETS CONTAINING AERIAL
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FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'

CPN 658983

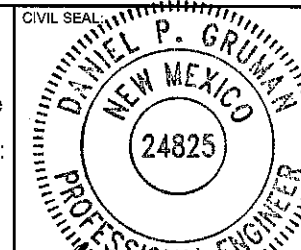
Record drawing



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

DRAWN BY: W9 3-14-18

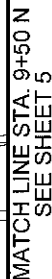
SHEET NUMBER: 5 OF 32

STATE: NEW MEXICO

COUNTY: BERNALILLO

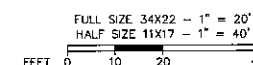
CITY: ALBUQUERQUE

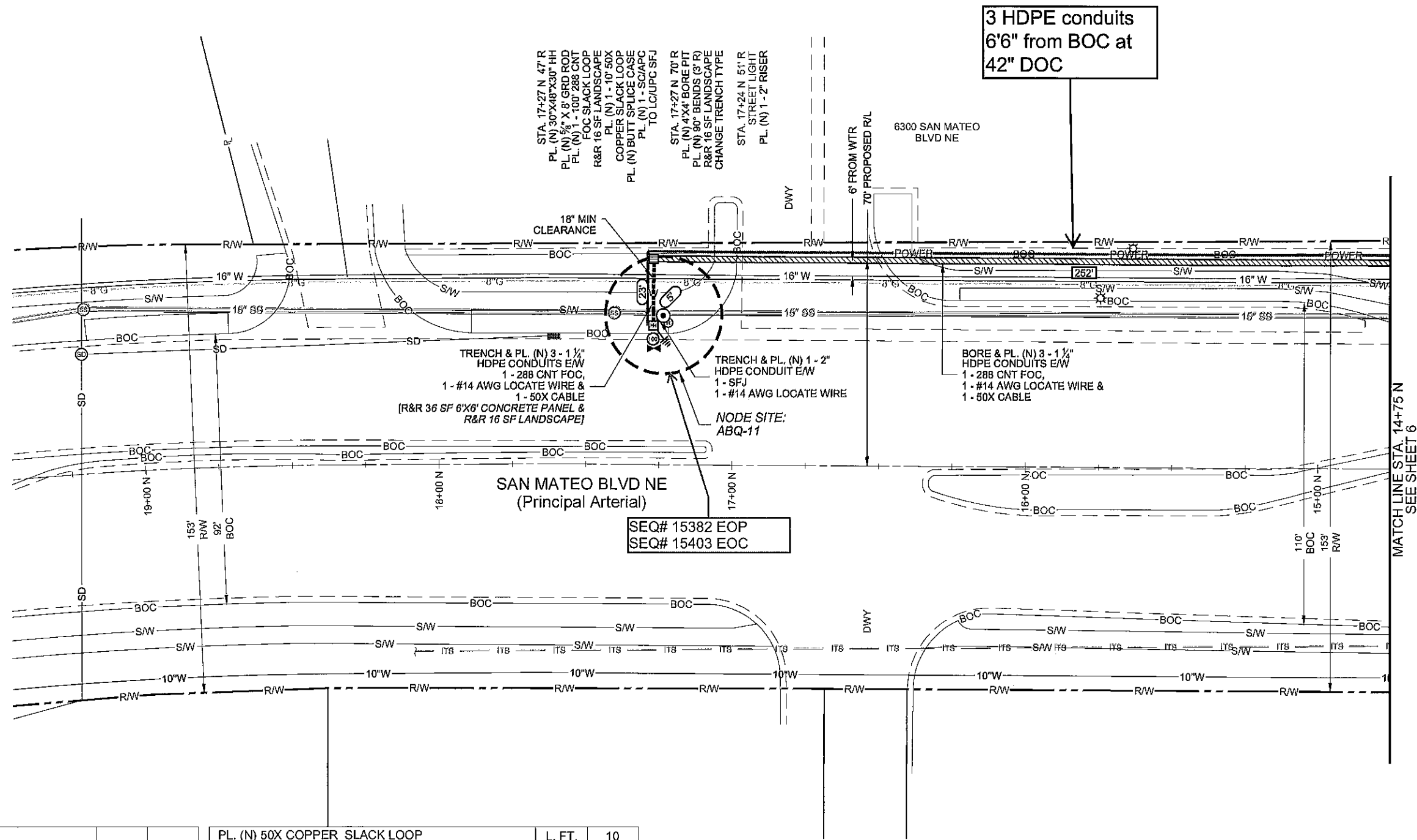
5



PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	2
PL. (N) 5/8" X 8' GROUND ROD	EACH	2
PL. (N) 4' X 4' BORE PIT	EACH	2
PL. (N) #14 AWG LOCATE WIRE	L. FT.	634
PL.. (N) SPLICE CASE	EACH	2
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
CONCRETE RESTORATION	SF	36
LANDSCAPE RESTORATION	SF	43

Record drawing





THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/2" HDPE CONDUITS	L. FT.	252
E/W (N) 1 - 50X COPPER	L. FT.	252
TRENCH & PL. (N) 3 - 1 1/2" HDPE CONDUITS	L. FT.	23
E/W (N) 1 - 50X COPPER	L. FT.	23
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	5
PL. (N) 288 CNT FOC	L. FT.	275
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 50X COPPER	L. FT.	275

PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 3/4" X 8" GROUND ROD	EACH	1
PL. (N) 4' X 4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	280
PL. (N) SPLICE CASE	EACH	1
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
CONCRETE RESTORATION	SF	36
LANDSCAPE RESTORATION	SF	48

CPN 658983

Record drawing



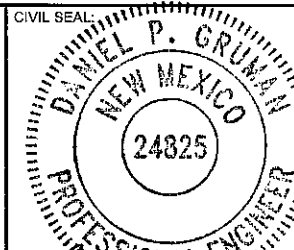
FULL SIZE 34x22 - 1" = 20'
HALF SIZE 11x17 - 1" = 40'



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-18-19
6	DAVID B. REDLINES REV 6	GT	4-11-19
7	CC REDESIGN	GT	8-5-19
8	CC REDESIGN	LR	9-11-19
9	CC REDLINES	GT	11-28-19

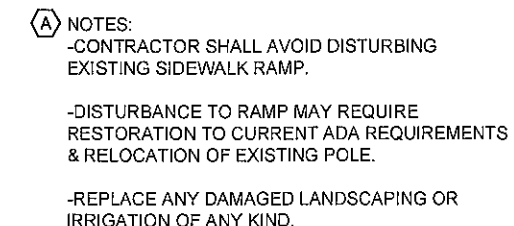
DRAWN BY: WB 3-14-19

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

SHEET NUMBER: 7 OF 32



PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) 4' X 4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	248
PL. (N) SPLICE CASE	EACH	1
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
CONCRETE RESTORATION	SF	36
LANDSCAPE RESTORATION	SF	16

Record drawing



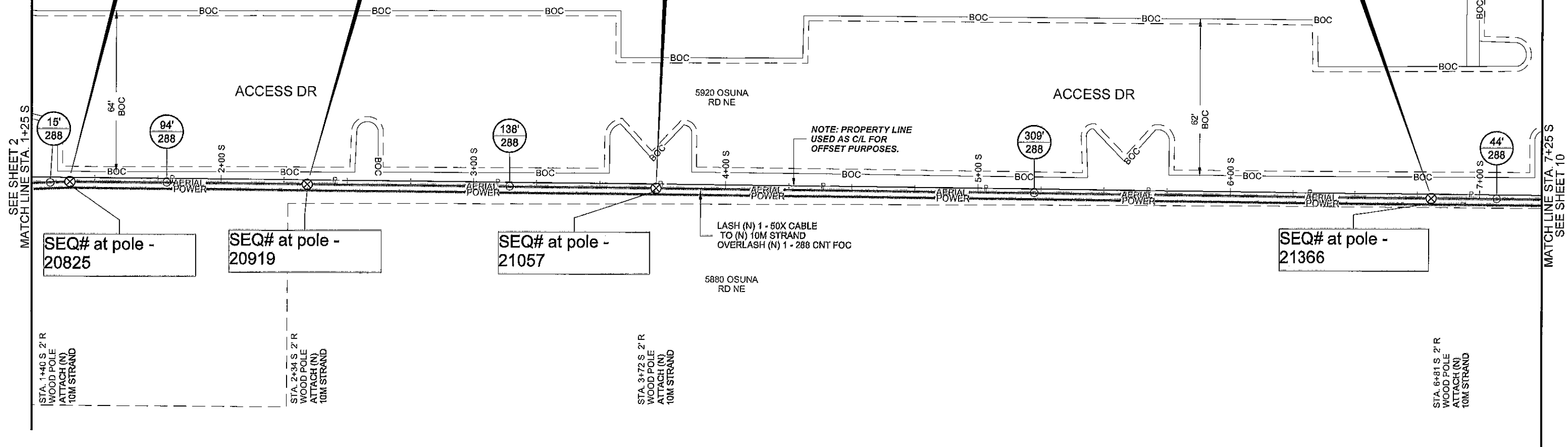
DIRECTION OF
ENGINEERING

POLE DATA	
WALKOUT POLE: 20A	
OWNER: PNM	
POLE #: H14A224	
HEIGHT: 45	CLASS: 2
POA: LASH TO (N) STRAND	
ATTACHMENT: -	
EX ATT1: LOWEST POWER - 24' 6"	
EX ATT2: GST-NM - 20' 4"	
EX ATT3: ZAYO - 18' 11"	
EX ATT4: COMCAST - 18' 3"	
EX ATT5: TWF - 17' 3"	
EX ATT6: -	
EX ATT7: -	
EX ATT8: -	
EX ANCHOR: -	
EX ANCHOR: -	
EX ANCHOR: -	
PLACE RISER: -	

POLE DATA	
WALKOUT POLE: 29	
OWNER: PNM	
POLE #: H14A224	
HEIGHT: 40	CLASS: 2
POA: LASH TO (N) STRAND	
ATTACHMENT: -	
EX ATT1: 19' 7" - COMMUNICATION	
EX ATT2: 18' 8" - COMMUNICATION	
EX ATT3: 17' 6" - COMMUNICATION	
EX ATT4: -	
EX ATT5: -	
EX ATT6: -	
EX ATT7: -	
EX ATT8: -	
EX ANCHOR: -	
EX ANCHOR: -	
EX ANCHOR: -	
PLACE RISER: -	

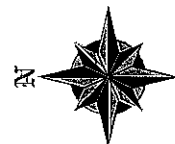
POLE DATA	
WALKOUT POLE: 30	
OWNER: PNM	
POLE #: H14A225	
HEIGHT: 40	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -	
EX ATT1: 19' 3" - COMMUNICATION	
EX ATT2: 18' 1" - COMMUNICATION	
EX ATT3: 16' 9" - COMMUNICATION	
EX ATT4: -	
EX ATT5: -	
EX ATT6: -	
EX ATT7: -	
EX ATT8: -	
EX ANCHOR: -	
EX ANCHOR: -	
EX ANCHOR: -	
PLACE RISER: -	

POLE DATA	
WALKOUT POLE: 31	
OWNER: PNM	
POLE #: H14A226	
HEIGHT: 40	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -	
EX ATT1: 20' 1" - COMMUNICATION	
EX ATT2: 19' 5" - COMMUNICATION	
EX ATT3: 18' 10" - COMMUNICATION	
EX ATT4: -	
EX ATT5: -	
EX ATT6: -	
EX ATT7: -	
EX ATT8: -	
EX ANCHOR: -	
EX ANCHOR: -	
EX ANCHOR: -	
PLACE RISER: -	



THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	600
PL. (N) 50X COPPER	L. FT.	600

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



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'

CPN 658983

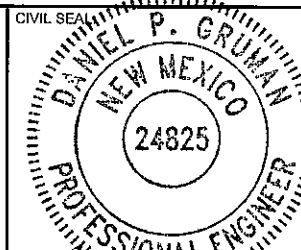
Record drawing



2055 SOUTH STEARMAN DR.
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:
NM0116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY: WYCO FIELD SERVICES WHERE QUALITY STILL COUNTS			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-15-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

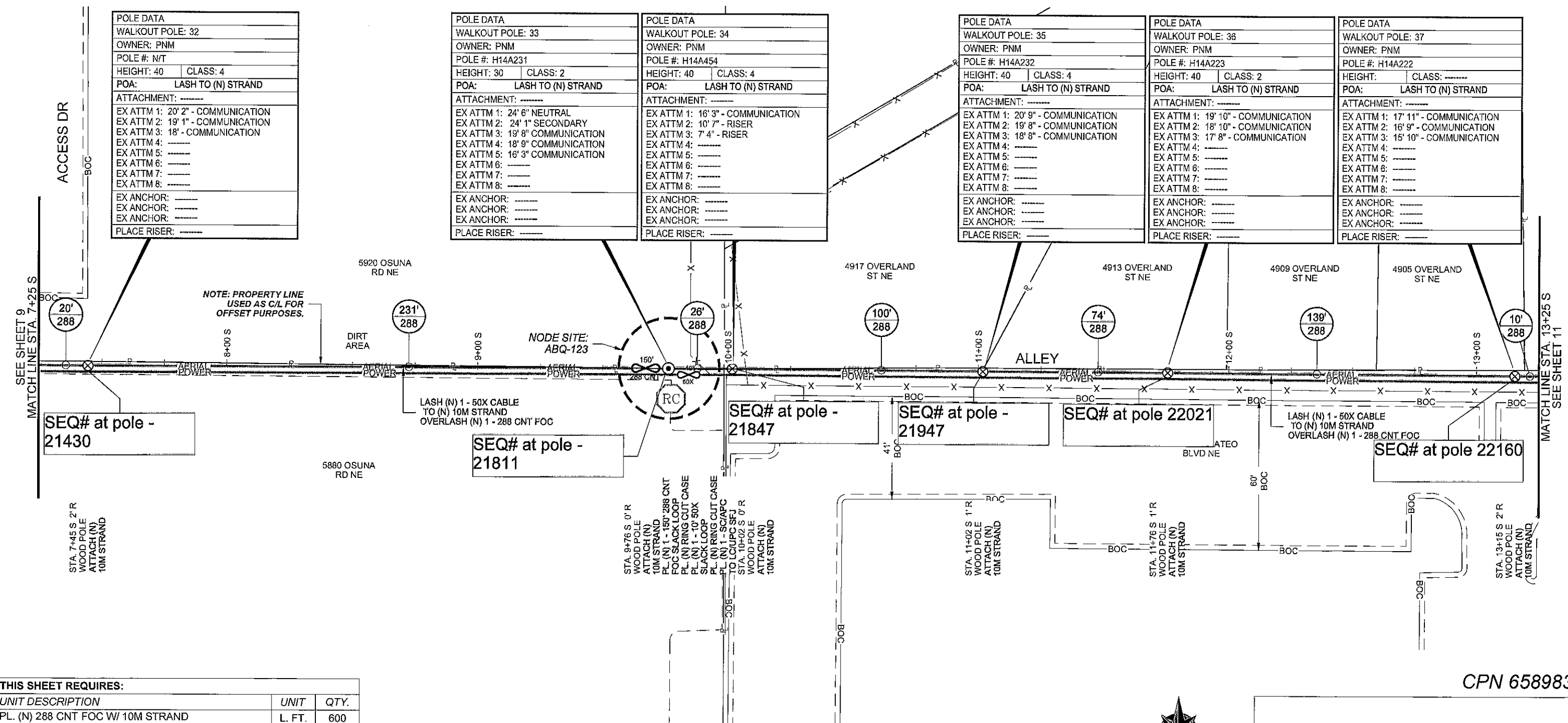
9

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

DRAWN BY: WB
SHEET NUMBER: 9 OF 32

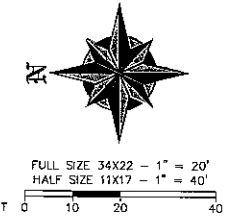


THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	600
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	150
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 50X COPPER	L. FT.	600
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) SPLICE CASE	EACH	1

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

CPN 658983



Record drawing

**CROWN
CASTLE**
NG WEST, LLC
2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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construction for exact utility locations at:



PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

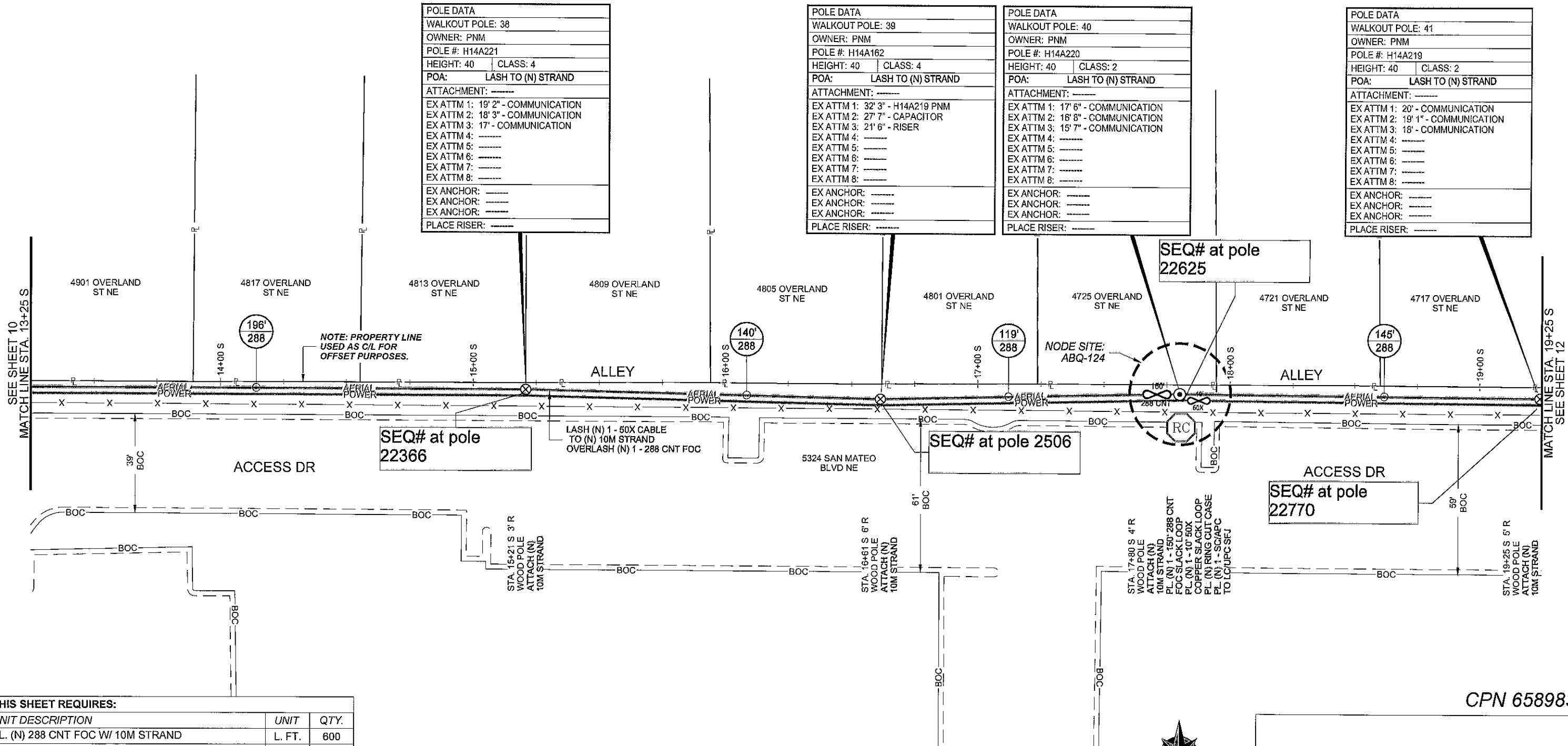
PREPARED BY:

WYCO
FIELD SERVICES
WHERE QUALITY STILL COUNTS

REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

10
DRAWN BY: WB
SHEET NUMBER: 10 OF 32

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE



THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	600
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	150
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 50X COPPER	L. FT.	600
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) SPLICE CASE	EACH	1

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

CPN 658983



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'

Record drawing

11



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

DRAWING DISCLAIMER

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local one call agency 48 hours prior to
construction for exact utility locations at:



PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-18-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

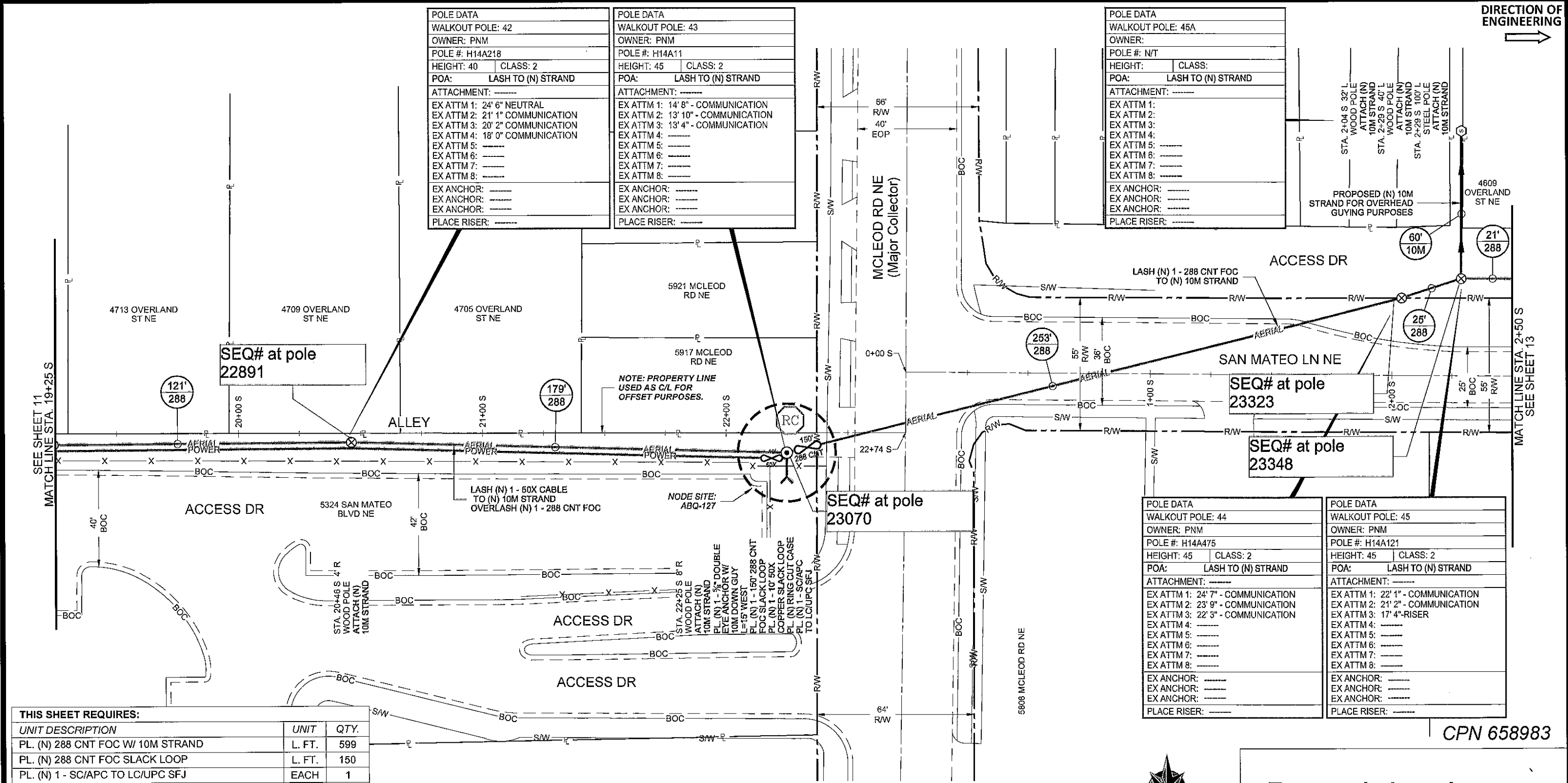
DRAWN BY: WB 3-14-18

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

SHEET NUMBER: 11 OF 32



THIS SHEET REQUIRES:

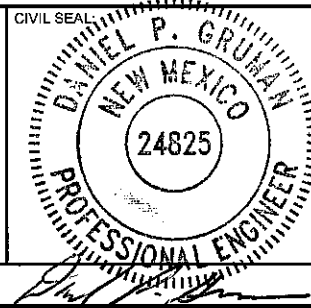
UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	599
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	150
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 50X COPPER	L. FT.	300
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 10M STRAND OVERHEAD GUY	L. FT.	60
PL. (N) DOWN GUY AND ANCHOR	EACH	1
PL. (N) SPLICE CASE	EACH	1

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

**CROWN
CASTLE**
NG WEST, LLC
2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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construction for exact utility locations at:

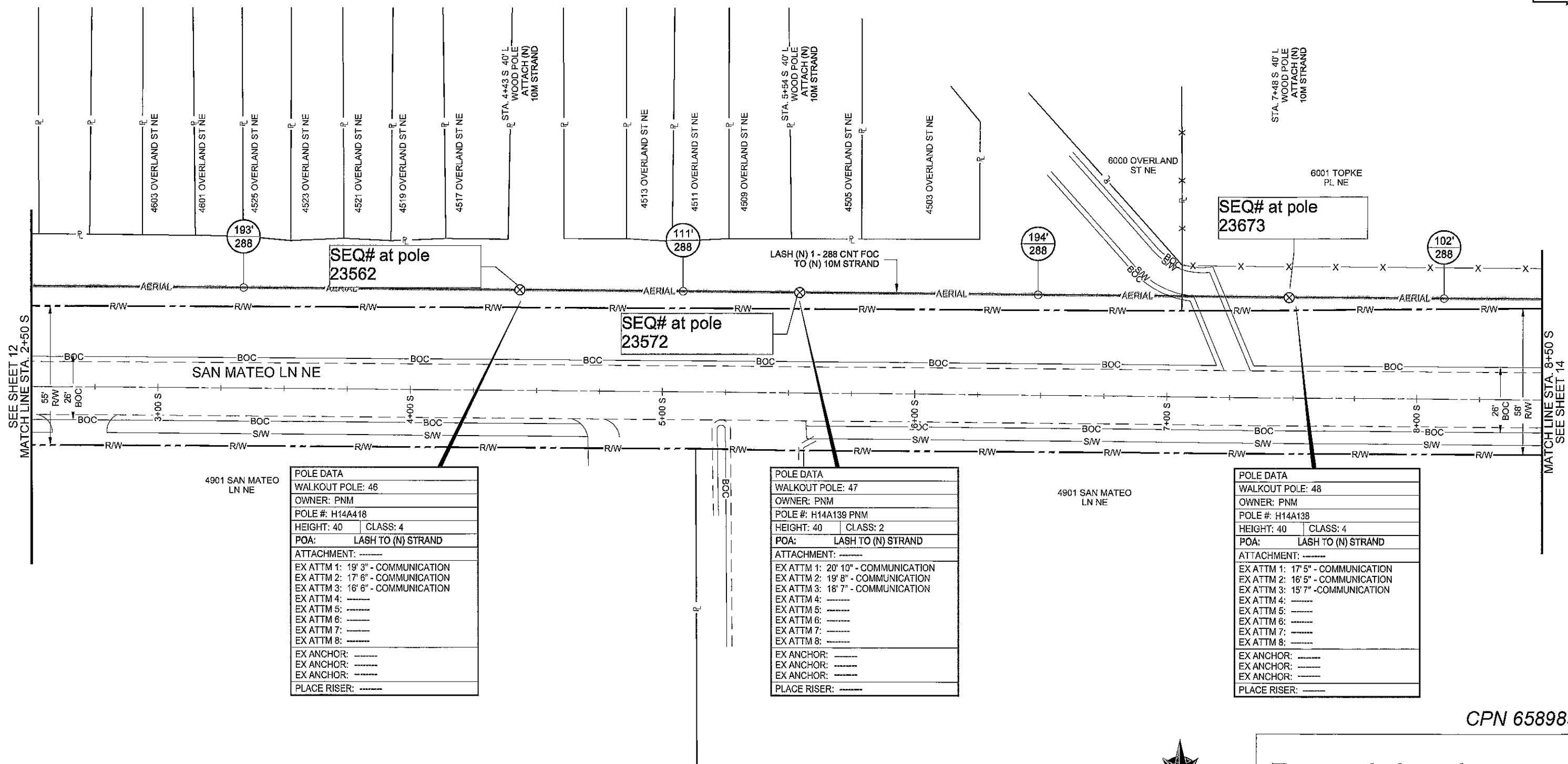


PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

**WYCO
FIELD SERVICES**
WHERE QUALITY STILL COUNTS

REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

12
DRAWN BY: WB 3-14-18
SHEET NUMBER: 12 OF 32



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

THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	600



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

DRAWING DISCLAIMER

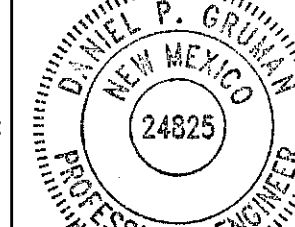
Facility locations are
general in nature. WYCO
Field Services will not be
held accountable for the
accuracy of the information
provided in these drawings.

CAUTION

Foreign utility locations are
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local one call agency 48 hours prior to
construction for exact utility locations at:



CIVIL SEAL:



PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



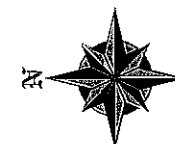
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

DRAWN BY: WB 3-14-18

SHEET NUMBER: 13 OF 32

CPN 658983

Record drawing



FULL SIZE 34x22 - 1" = 20'
HALF SIZE 11x17 - 1" = 40'
FEET 0 10 20 40

13

THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	285
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	150
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 50X COPPER	L. FT.	144
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 1 - 2" RISER	EACH	1
PL. (N) DOWN GUY AND ANCHOR	EACH	1
PL. (N) SPLICE CASE	EACH	1

POLE DATA	
WALKOUT POLE: 50	
OWNER: PNM	
POLE #: H14C655	
HEIGHT: 40	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: 20' 6" - COMMUNICATION	
EX ATT2: 19' 8" - COMMUNICATION	
EX ATT3: 18' 8" - COMMUNICATION	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 50A	
OWNER: PNM	
POLE #: H14C799	
HEIGHT: 40	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: ZAYO - 19'-0"	
EX ATT2: CATV - 18'-0"	
EX ATT3: -----	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

POLE DATA	
WALKOUT POLE: 50B	
OWNER: PNM	
POLE #: H14C601	
HEIGHT: 40	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: CATV - 16'-7"	
EX ATT2: MCI - 15'-4"	
EX ATT3: -----	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: YES	

POLE DATA	
WALKOUT POLE: 49	
OWNER: PNM	
POLE #: H14C603	
HEIGHT: 40	CLASS: 4
POA: LASH TO (N) STRAND	
ATTACHMENT: -----	
EX ATT1: 22' 1" - 2x COMMUNICATION	
EX ATT2: 21' 1" - 2x COMMUNICATION	
EX ATT3: 20' - 2x COMMUNICATION	
EX ATT4: -----	
EX ATT5: -----	
EX ATT6: -----	
EX ATT7: -----	
EX ATT8: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
EX ANCHOR: -----	
PLACE RISER: -----	

3 HDPE conduits 3' from BOC at 42" DOC

50 PAIR COPPER
SEQ# 51412 EOP
SEQ# 51462 EOC

SEQ# at pole 24066

FIBER
SEQ#13536 EOP
SEQ# 13798 EOC

TRENCH & PL. (N) 1 - 2" & 6 - 1 1/4" HDPE CONDUITS E/W 3 - 288 CNT FOC & 3 - #14 AWG LOCATE WIRE & 2 - 50X CABLES

TRENCH & PL. (N) 1 - 2" & 3 - 1 1/4" HDPE CONDUITS E/W 2 - 288 CNT FOC & 2 - #14 AWG LOCATE WIRE & 2 - 50X CABLES

LASH (N) 1 - 50X CABLE TO (N) 10M STRAND
OVERLASH (N) 1 - 288 CNT FOC
BORE & PL. (N) 1 - 2" HDPE CONDUIT E/W
1 - 288 CNT FOC,
1 - #14 AWG LOCATE WIRE & 1 - 50X CABLE
23' FROM BOC
36' PROPOSED R/L
10' UTILITY ESMT
5' UTILITY ESMT
36' DRAINAGE ESMT
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT E/W
1 - 288 CNT FOC,
1 - #14 AWG LOCATE WIRE & 1 - 50X CABLE

SEQ# at pole 23801

STA. 8+76 S 40' L
WOOD POLE (W.O.P. #49)
ATTACH (N) 10M STRAND
STA. 9+91 S 42' L
WOOD POLE (W.O.P. #50)
ATTACH (N) 10M STRAND
PL. (N) 1 - 150' 288 CNT FOC SLACK LOOP
PL. (N) 1 - 10' 50X COPPER SLACK LOOP
PL. (N) RING CUT CASE
PL. (N) 1 - SC/APC TO LC/UPC SFJ

STA. 10+19 S 38' L
PL. (N) 36"x60"x36" HH
PL. (N) 5/8" X 8' GRD ROD
PL. (N) 2 - 100' 288 CNT FOC SLACK LOOPS
R&R 16 SF LANDSCAPE
PL. (N) RING CUT CASE

STA. 10+33 S 38' L
PL. (N) 4"x4" BORE PIT
PL. (N) 90° BENDS (3' R)
R&R 16 SF 4"x4" CONCRETE PANEL
CHANGE TRENCH TYPE
STA. 10+44 S 38' L
PL. (N) 4"x4" BORE PIT
PL. (N) 90° BENDS (3' R)
R&R 16 SF ASPHALT
R&R 16 SF 4"x4" CONCRETE PANEL
CHANGE TRENCH TYPE
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS E/W
1 - 288 CNT FOC,
1 - #14 AWG LOCATE WIRE & 1 - 50X CABLE

STA. 10+62 S 42' L
WOOD POLE (W.O.P. #50A)
ATTACH (N) 10M STRAND

STA. 11+35 S 42' L
WOOD POLE (W.O.P. #50B)
ATTACH (N) 10M STRAND
RISER DOWN POLE (25')
PL. (N) 1 - 2" RISER
PL. (N) 1 - 1/2" DOUBLE EYE ANCHOR W/ 10M DOWN GUY
L=15' SOUTH

STA. 11+30 S 36' L
PL. (N) 4"x4" BORE PIT
PL. (N) 45° BENDS (3' R)
R&R 16 SF LANDSCAPE
CHANGE TRENCH TYPE

3 HDPE conduits 4' West of fence line at 44" DOC

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



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'

SEQ# at pole 24220

Record drawing

THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	600
E/W (N) 1 - 50X COPPER	L. FT.	600
TRENCH & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	5
E/W (N) 1 - 50X COPPER	L. FT.	5
TRENCH & PL. (N) 1 - 2" & 6 - 1 1/4" HDPE CONDUITS	L. FT.	14
E/W (N) 3 - 50X COPPER	L. FT.	14
TRENCH & PL. (N) 1 - 2" & 3 - 1 1/4" HDPE CONDUITS	L. FT.	11
E/W (N) 2 - 50X COPPER	L. FT.	11
BORE & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	86
E/W (N) 1 - 50X COPPER	L. FT.	86
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	8
E/W (N) 1 - 50X COPPER	L. FT.	8

PL. (N) 288 CNT FOC	L. FT.	763
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	200
PL. (N) 50X COPPER	L. FT.	763
PL. (N) 36" X 60" X 36" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) 4' X 4' BORE PIT	EACH	5
PL. (N) #14 AWG LOCATE WIRE	L. FT.	763
PL. (N) SPLICE CASE	EACH	1
CONCRETE RESTORATION	SF	57
LANDSCAPE RESTORATION	SF	44

DRAWING DISCLAIMER
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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

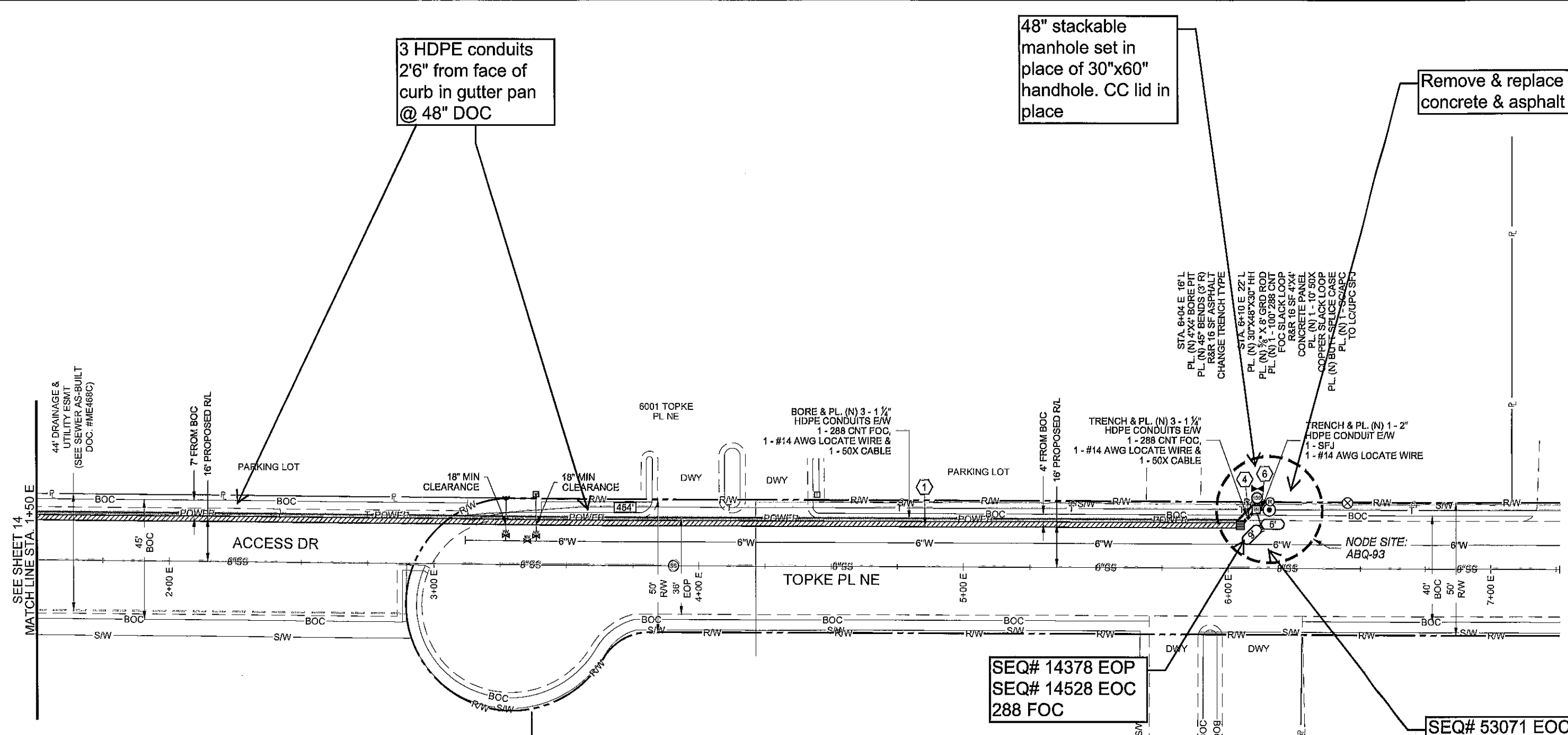
PREPARED BY:		
REV. #	DESCRIPTION	DATE
5	DAVID B. REDLINES REV 5	GT 3-10-18
6	DAVID B. REDLINES REV 6	GT 4-11-18
7	CC REDESIGN	GT 9-5-18
8	CC REDESIGN	LR 9-11-18
9	CC REDLINES	GT 11-28-18

DRAWN BY: WB 3-14-18
SHEET NUMBER: 14 OF 32

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

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

14



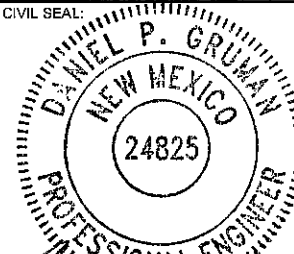
THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	454
E/W (N) 1 - 50X COPPER	L. FT.	454
TRENCH & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	9
E/W (N) 1 - 50X COPPER	L. FT.	9
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	5
PL. (N) 288 CNT FOC	L. FT.	463
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 50X COPPER	L. FT.	463

PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) 4' X 4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	468
PL. (N) SPLICE CASE	EACH	1
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
CONCRETE RESTORATION	SF	16
ASPHALT RESTORATION	SF	16

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

DRAWING DISCLAIMER
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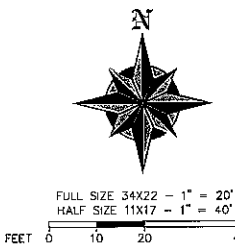
CAUTION
Foreign utility locations are approximate. It is the construction contractor's responsibility to contact the local one call agency 48 hours prior to construction for exact utility locations at:



PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:			
WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

15

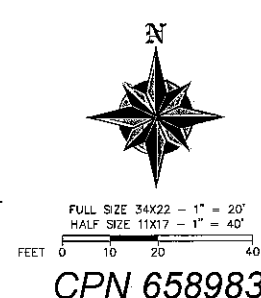


Record drawing

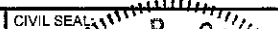
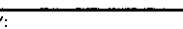
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) 4' X 4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	731
PL. (N) SPLICE CASE	EACH	1
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
CONCRETE RESTORATION	SF	25
LANDSCAPE RESTORATION	SF	16
ASPHALT RESTORATION	SF	16



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



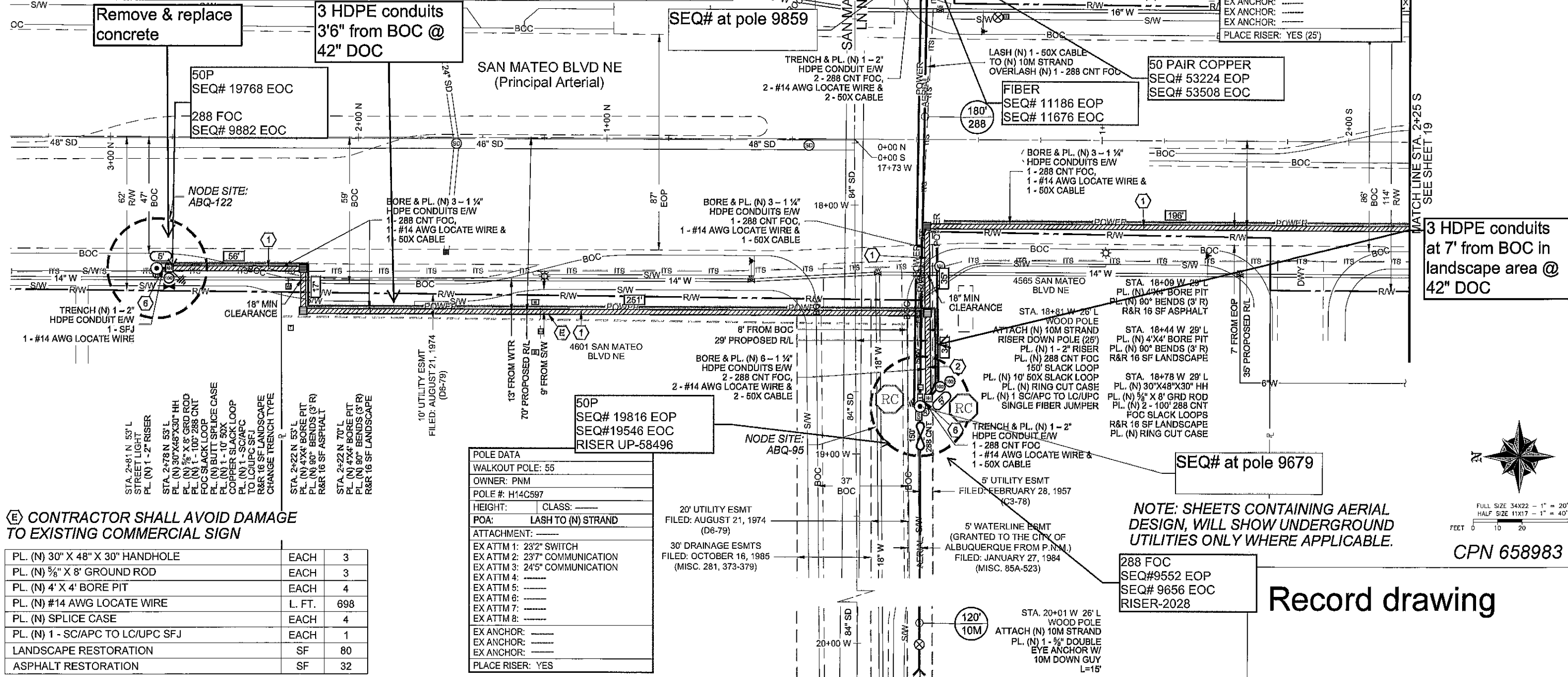
17

 CROWN CASTLE NG WEST, LLC 2055 SOUTH STEARMAN DR. 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: 	CIVIL SEAL 	PROJECT NAME: NM01116D CITY OF ALBUQUERQUE ALBUQUERQUE, NM BERNALILLO COUNTY	PREPARED BY: 	17																		
						<table border="1"> <thead> <tr> <th>REV. #</th> <th>DESCRIPTION</th> <th>BY</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td>5</td> <td>DAVID B. REDLINES REV 5</td> <td>GT</td> <td>3-16-18</td> </tr> <tr> <td>6</td> <td>DAVID B. REDLINES REV 6</td> <td>GT</td> <td>4-11-18</td> </tr> <tr> <td>7</td> <td>CC REDESIGN</td> <td>GT</td> <td>9-5-18</td> </tr> <tr> <td>8</td> <td>CC REDESIGN</td> <td>LR</td> <td>9-11-18</td> </tr> <tr> <td>9</td> <td>CC REDLINES</td> <td>GT</td> <td>11-28-18</td> </tr> </tbody> </table>		REV. #	DESCRIPTION	BY	DATE	5	DAVID B. REDLINES REV 5	GT	3-16-18	6	DAVID B. REDLINES REV 6	GT	4-11-18	7	CC REDESIGN	GT	9-5-18	8	CC REDESIGN
REV. #	DESCRIPTION	BY	DATE																						
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6	DAVID B. REDLINES REV 6	GT	4-11-18																						
7	CC REDESIGN	GT	9-5-18																						
8	CC REDESIGN	LR	9-11-18																						
9	CC REDLINES	GT	11-28-18																						
STATE: NEW MEXICO	COUNTY: BERNALILLO	CITY: ALBUQUERQUE	11/27/19				SHEET NUMBER: 17 OF 32																		

UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	598
E/W (N) 1 - 50X COPPER	L. FT.	598
BORE & PL. (N) 6 - 1 1/4" HDPE CONDUITS	L. FT.	34
E/W (N) 2 - 50X COPPER	L. FT.	34
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	21
E/W (N) 1 - 50X COPPER	L. FT.	5
E/W (N) 2 - 50X COPPER	L. FT.	11
PL. (N) 288 CNT FOC	L. FT.	693
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	500
PL. (N) 50X COPPER	L. FT.	693
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10

THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 288 CNT FOC W/ 10M STRAND	L. FT.	231
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	150
PL. (N) SC/APC TO LC/UPC SINGLE FIBER JUMPER	EACH	1
PL. (N) 50X COPPER	L. FT.	231
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 1 - 2" RISER	EACH	3
PL. (N) DOWN GUY AND ANCHOR	EACH	1
PL. (N) 10M STRAND OVERHEAD GUY	L. FT.	120
PL. (N) SPLICE CASE	EACH	1

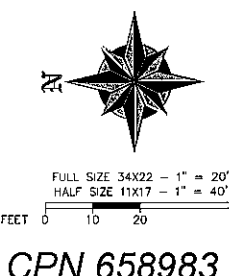


(E) CONTRACTOR SHALL AVOID DAMAGE TO EXISTING COMMERCIAL SIGN

PL. (N) 30" X 48" X 30" HANDHOLE	EACH	3
PL. (N) 5/8" X 8" GROUND ROD	EACH	3
PL. (N) 4" X 4" BORE PIT	EACH	4
PL. (N) #14 AWG LOCATE WIRE	L. FT.	698
PL. (N) SPLICE CASE	EACH	4
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
LANDSCAPE RESTORATION	SF	80
ASPHALT RESTORATION	SF	32

POLE DATA
WALKOUT POLE: 55
OWNER: PNM
POLE #: H14C597
HEIGHT: CLASS: _____
POA: LASH TO (N) STRAND
ATTACHMENT: _____
EX ATT1: 23'2" SWITCH
EX ATT2: 23'7" COMMUNICATION
EX ATT3: 24'5" COMMUNICATION
EX ATT4: _____
EX ATT5: _____
EX ATT6: _____
EX ATT7: _____
EX ATT8: _____
EX ANCHOR: _____
EX ANCHOR: _____
EX ANCHOR: _____
PLACE RISER: YES

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



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

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PROJECT NAME:
NM0116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

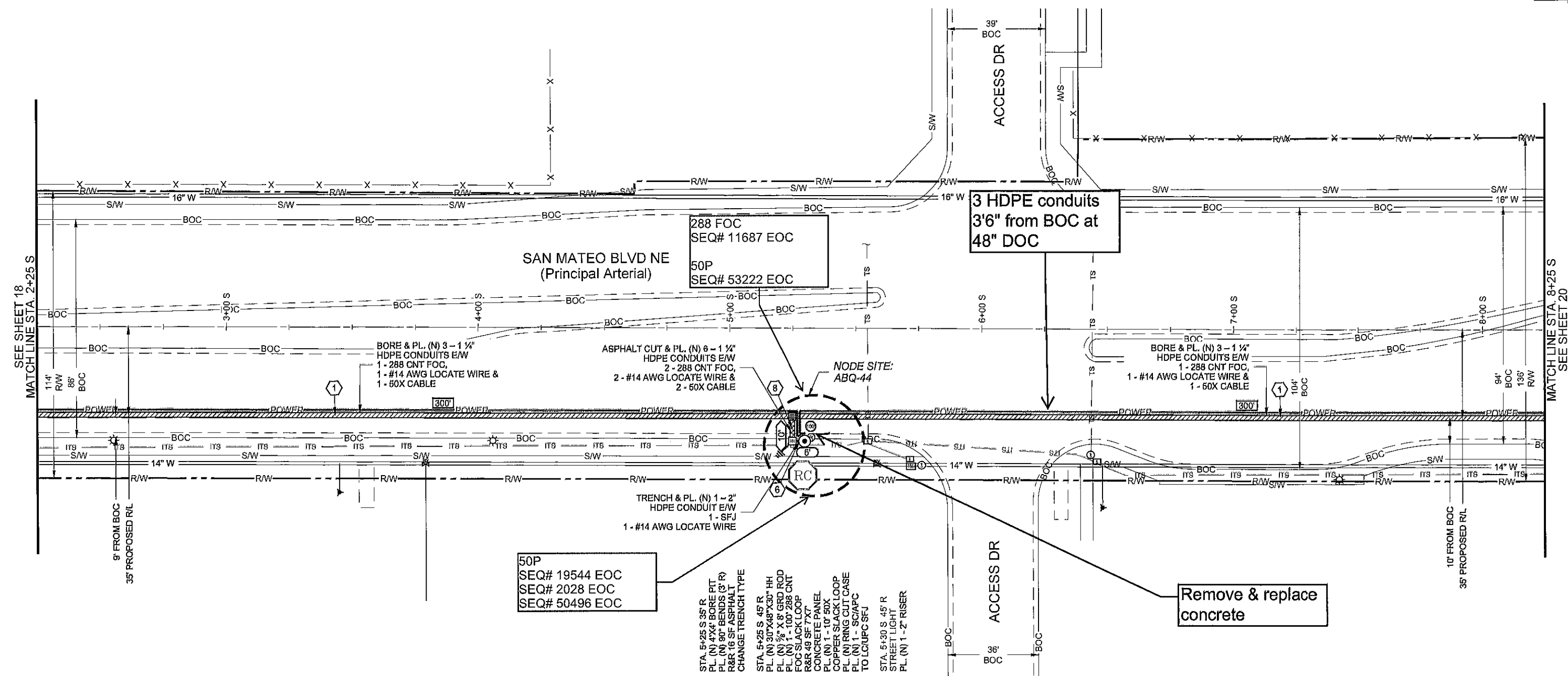
PREPARED BY:
WYCO FIELD SERVICES
WHERE QUALITY STILL COUNTS

REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

18

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

SHEET NUMBER: 18 OF 32



THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	600
E/W (N) 1 - 50X COPPER	L. FT.	600
ASPHALT CUT & PL. (N) 6 - 1 1/4" HDPE CONDUITS	L. FT.	10
E/W (N) 2 - 50X COPPER	L. FT.	10
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	5
PL. (N) 288 CNT FOC	L. FT.	620
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 50X COPPER	L. FT.	620

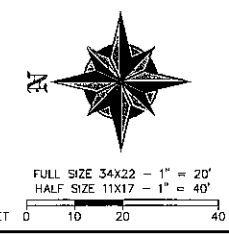
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) 4' X 4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	625
PL. (N) SPLICE CASE	EACH	1
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
CONCRETE RESTORATION	SF	49
ASPHALT RESTORATION	SF	16

STA. 5+25 S 45' R
PL. (N) 4' X 4' BORE PIT
PL. (N) 90' BENDS (3' R)
R&R 16 SF ASPHALT
CHANGE TRENCH TYPE

STA. 5+25 S 45' R
PL. (N) 30" X 48" X 30" HH
PL. (N) 5/8" X 8' GRD ROD
PL. (N) 4' X 4' BORE PIT
PL. (N) 90' BENDS (3' R)
R&R 16 SF ASPHALT
CHANGE TRENCH TYPE

STA. 5+25 S 45' R
PL. (N) 30" X 48" X 30" HH
PL. (N) 5/8" X 8' GRD ROD
PL. (N) 4' X 4' BORE PIT
PL. (N) 90' BENDS (3' R)
R&R 16 SF ASPHALT
CHANGE TRENCH TYPE

STA. 5+25 S 45' R
PL. (N) 30" X 48" X 30" HH
PL. (N) 5/8" X 8' GRD ROD
PL. (N) 4' X 4' BORE PIT
PL. (N) 90' BENDS (3' R)
R&R 16 SF ASPHALT
CHANGE TRENCH TYPE



CPN 658983

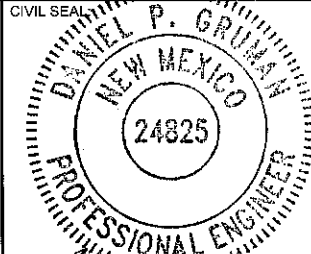
Record drawing

19

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

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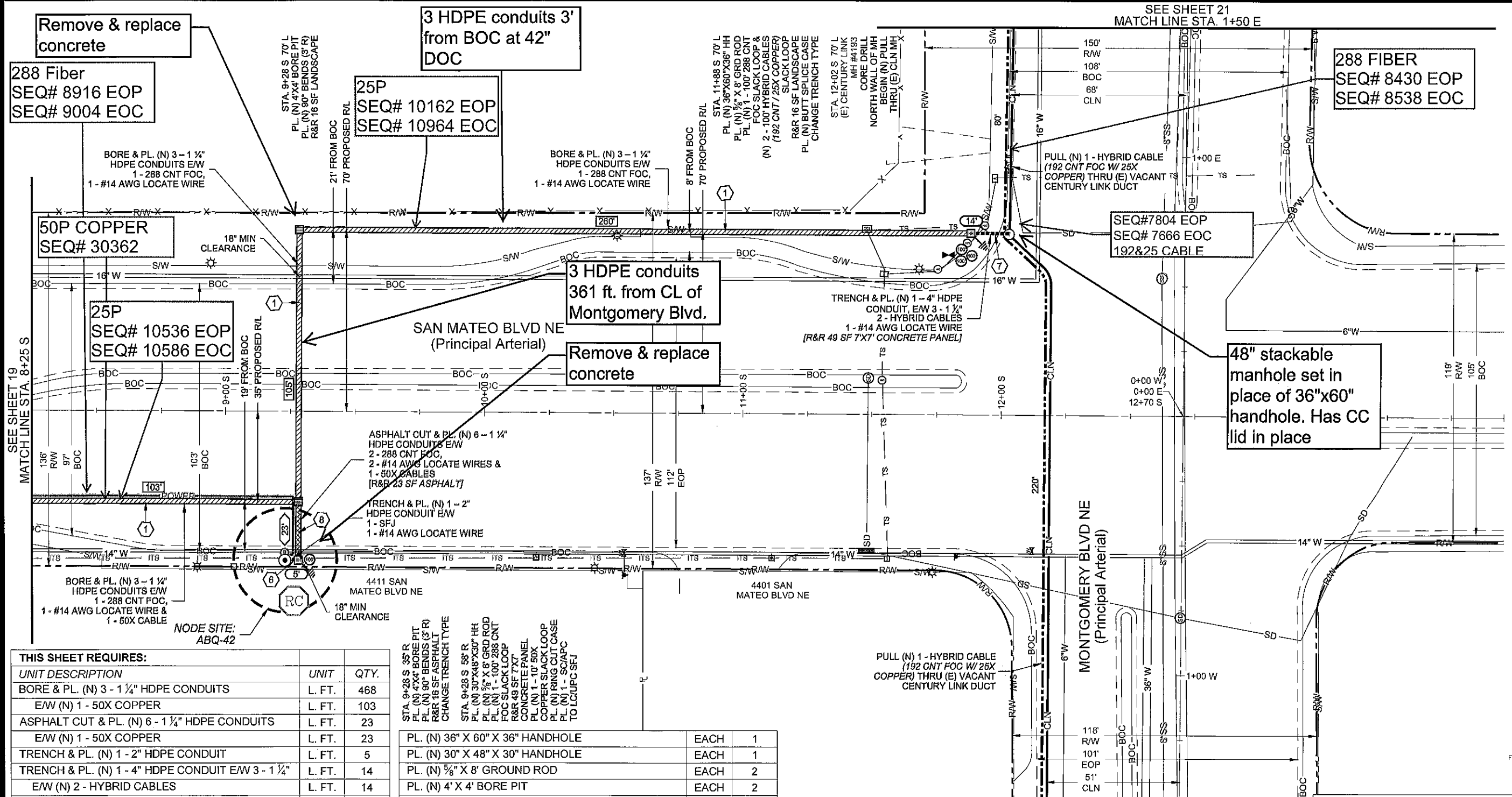


PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:			
WYCO FIELD SERVICES WHERE QUALITY STILL COUNTS			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDUNES REV 5	GT	3-16-18
6	DAVID B. REDUNES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

DRAWN BY: WB 3-14-18
SHEET NUMBER: 19 OF 32

DIRECTION OF
ENGINEERING



THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	468
E/W (N) 1 - 50X COPPER	L. FT.	103
ASPHALT CUT & PL. (N) 6 - 1 1/4" HDPE CONDUITS	L. FT.	23
E/W (N) 1 - 50X COPPER	L. FT.	23
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	5
TRENCH & PL. (N) 1 - 4" HDPE CONDUIT E/W 3 - 1 1/4"	L. FT.	14
E/W (N) 2 - HYBRID CABLES	L. FT.	14
PULL (N) FOC THRU (E) CENTURY LINK DUCT	L. FT.	300
PL. (N) 288 CNT FOC	L. FT.	514
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	200
PL. (N) (192 CNT / 25X COPPER) HYBRID CABLE	L. FT.	328
PL. (N) HYBRID CABLE SLACK LOOP	L. FT.	200
PL. (N) 50X COPPER	L. FT.	126
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10

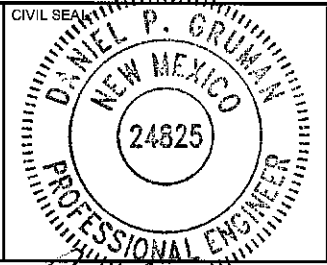
STA. 9+28 S 35' R PL. (N) 4' X 4' BORE PIT PL. (N) 90' BENDS (3' R) R&R 16 SF ASPHALT CHANGE TRENCH TYPE	PL. (N) 36" X 60" X 36" HANDHOLE	EACH	1
STA. 9+28 S 58' R PL. (N) 30' X 48" X 30" HH PL. (N) 3/8" X 8' GRD ROD PL. (N) 1 - 100' 288 CNT FOC SLACK LOOP R&R 49 SF 7' X 7' CONCRETE PANEL PL. (N) 1 - 10' 50X COPPER SLACK LOOP PL. (N) 1 - SC/APC TO LC/UPC SFJ	PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
	PL. (N) 5/8" X 8' GROUND ROD	EACH	2
	PL. (N) 4' X 4' BORE PIT	EACH	2
	PL. (N) #14 AWG LOCATE WIRE	L. FT.	519
	PL. (N) SPLICE CASE	EACH	2
	PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
	PL. (N) 1 - 2" RISER	EACH	1
	CONCRETE RESTORATION	SF	98
	LANDSCAPE RESTORATION	SF	32
	ASPHALT RESTORATION	SF	39

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

**CROWN
CASTLE**
NG WEST, LLC
2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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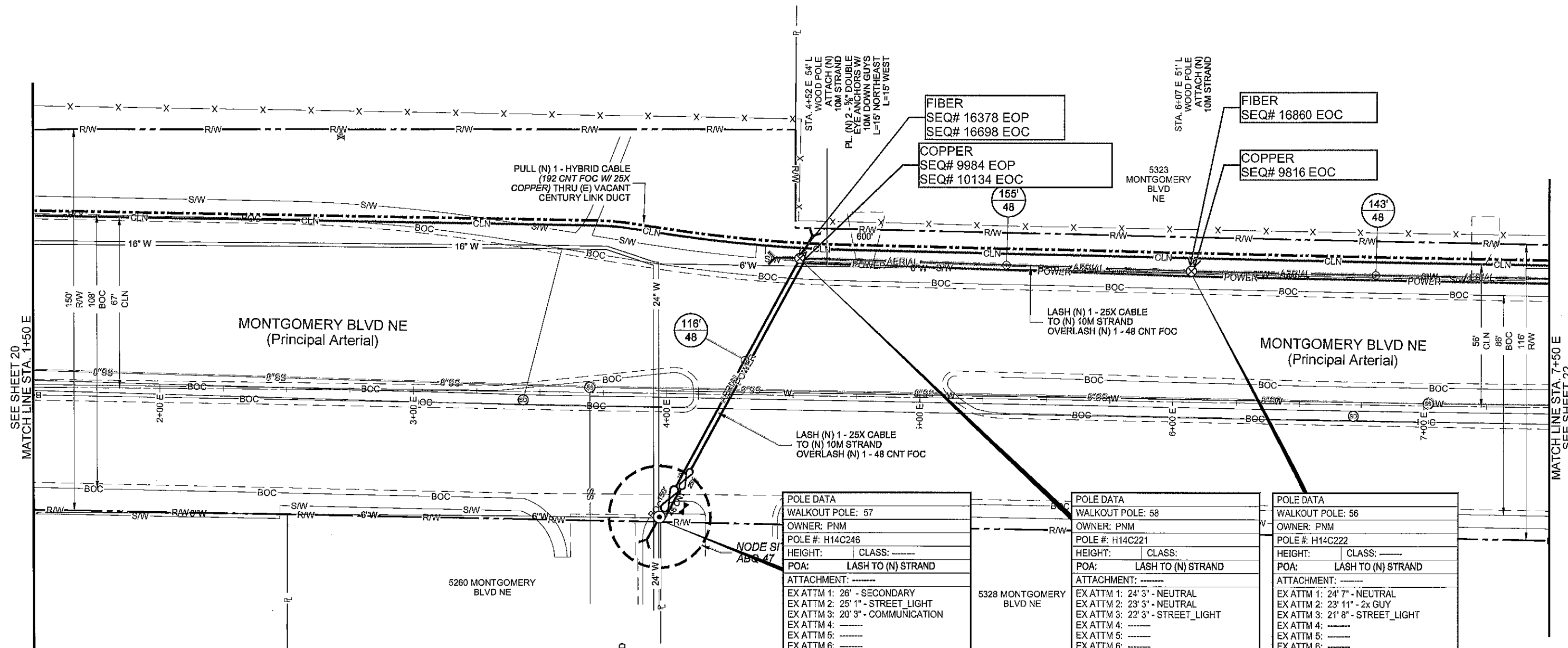


PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY: WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

20
SHEET NUMBER: 20 OF 32

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE



THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 48 CNT FOC W/ 10M STRAND	L. FT.	414
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	150
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 25X COPPER	L. FT.	414
PL. (N) 25X COPPER SLACK LOOP	L. FT.	10
PL. (N) DOWN GUY AND ANCHOR	EACH	3
PL. (N) SPLICE CASE	EACH	1
UNIT DESCRIPTION	UNIT	QTY.
PULL (N) FOC THRU (E) CENTURY LINK DUCT	L. FT.	600
PL. (N) (192 CNT / 25X COPPER) HYBRID CABLE	L. FT.	600

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

POLE DATA	
WALKOUT POLE: 57	
OWNER: PNM	
POLE #: H14C246	
HEIGHT: _____	CLASS: _____
POA: LASH TO (N) STRAND	
ATTACHMENT: _____	
EX ATTM 1: 26' - SECONDARY	
EX ATTM 2: 25' 1" - STREET_LIGHT	
EX ATTM 3: 20' 3" - COMMUNICATION	
EX ATTM 4: _____	
EX ATTM 5: _____	
EX ATTM 6: _____	
EX ATTM 7: _____	
EX ATTM 8: _____	
EX ANCHOR: _____	
EX ANCHOR: _____	
EX ANCHOR: _____	
PLACE RISER: _____	

POLE DATA	
WALKOUT POLE: 58	
OWNER: PNM	
POLE #: H14C221	
HEIGHT: _____	CLASS: _____
POA: LASH TO (N) STRAND	
ATTACHMENT: _____	
EX ATTM 1: 24' 3" - NEUTRAL	
EX ATTM 2: 23' 3" - NEUTRAL	
EX ATTM 3: 22' 3" - STREET_LIGHT	
EX ATTM 4: _____	
EX ATTM 5: _____	
EX ATTM 6: _____	
EX ATTM 7: _____	
EX ATTM 8: _____	
EX ANCHOR: _____	
EX ANCHOR: _____	
EX ANCHOR: _____	
PLACE RISER: _____	

POLE DATA	
WALKOUT POLE: 56	
OWNER: PNM	
POLE #: H14C222	
HEIGHT: _____	CLASS: _____
POA: LASH TO (N) STRAND	
ATTACHMENT: _____	
EX ATTM 1: 24' 7" - NEUTRAL	
EX ATTM 2: 23' 11" - 2x GUY	
EX ATTM 3: 21' 8" - STREET_LIGHT	
EX ATTM 4: _____	
EX ATTM 5: _____	
EX ATTM 6: _____	
EX ATTM 7: _____	
EX ATTM 8: _____	
EX ANCHOR: _____	
EX ANCHOR: _____	
EX ANCHOR: _____	
PLACE RISER: _____	

CPN 658983

Record drawing



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:
WYCO
FIELD SERVICES
WHERE QUALITY STILL COUNTS

REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-15-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

DRAWN BY: WB 3-14-18

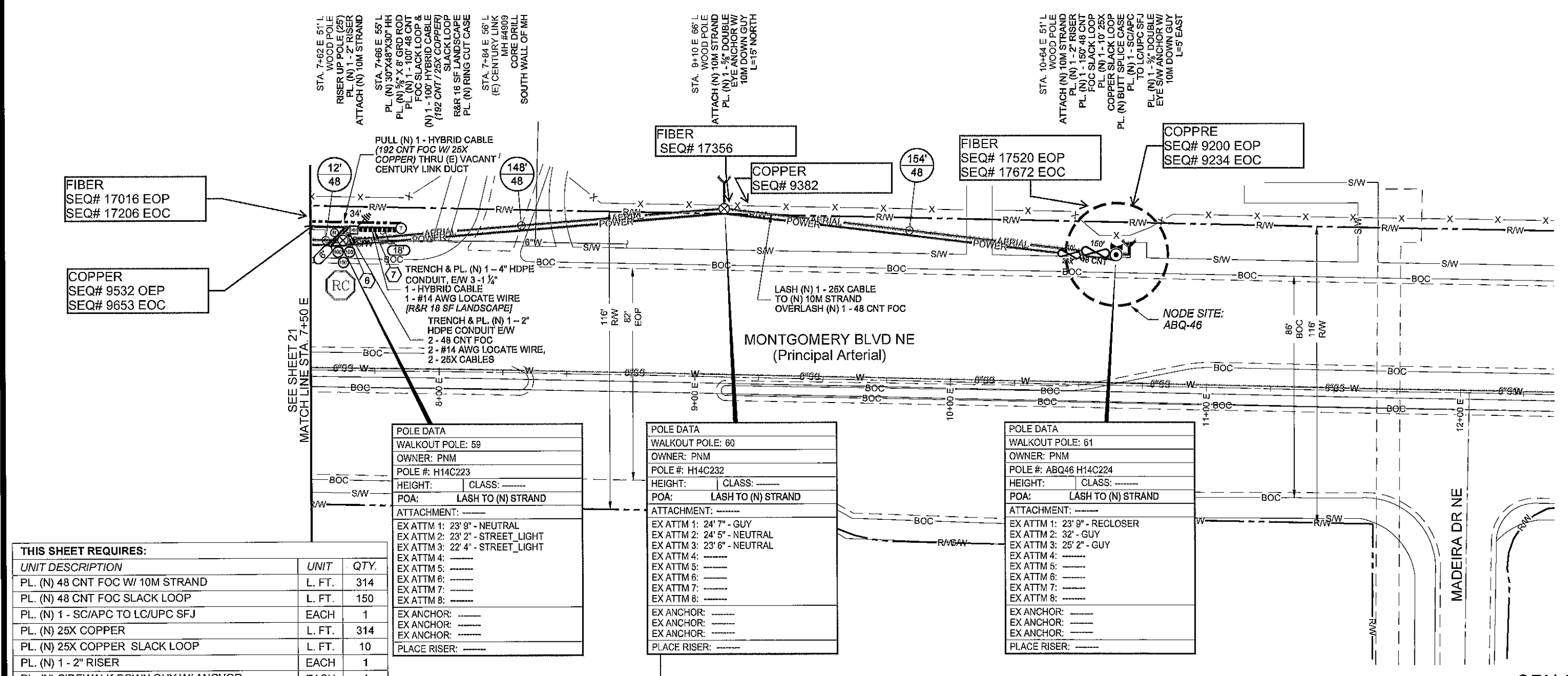
SHEET NUMBER: 21 OF 32

21

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE



THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
PL. (N) 48 CNT FOC W/ 10M STRAND	L. FT.	314
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	150
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 25X COPPER	L. FT.	314
PL. (N) 25X COPPER SLACK LOOP	L. FT.	10
PL. (N) 1 - 2" RISER	EACH	1
PL. (N) SIDEWALK DOWN GUY W/ ANCHOR	EACH	1
PL. (N) DOWN GUY AND ANCHOR	EACH	1
PL. (N) SPLICE CASE	EACH	2
UNIT DESCRIPTION	UNIT	QTY.
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	6
E/W (N) 2 - 25X COPPER	L. FT.	6
TRENCH & PL. (N) 1 - 4" HDPE CONDUIT E/W 3 - 1 1/4"	L. FT.	18
E/W (N) 1 - HYBRID CABLE	L. FT.	18
PULL (N) FOC THRU (E) CENTURY LINK DUCT	L. FT.	34

PL. (N) 48 CNT FOC	L. FT.	12
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	200
PL. (N) (192 CNT / 25X COPPER) HYBRID CABLE	L. FT.	52
PL. (N) HYBRID CABLE SLACK LOOP	L. FT.	100
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 3/4" X 8' GROUND ROD	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	24
LANDSCAPE RESTORATION	SF	34

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

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

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CIVIL SEAL

PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:

WHERE QUALITY STILL COUNTS

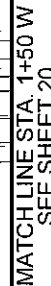
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	5-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

22

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

DRAWN BY: WB 3-14-18
SHEET NUMBER: 22 OF 32

-REPLACE ANY DAMAGED LANDSCAPING OR IRRIGATION OF ANY KIND.



PL. (N) HYBRID CABLE SLACK LOOP	L. FT.	100
PL. (N) 25X COPPER	L. FT.	279
PL. (N) 25X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	2
PL. (N) 5/8" X 8' GROUND ROD	EACH	2
PL. (N) 4' X 4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	289
PL. (N) SPLICE CASE	EACH	2
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
LANDSCAPE RESTORATION	SF	96
CONCRETE RESTORATION	SF	49

FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'



**CC CROWN
CASTLE**
NG WEST, LLC

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

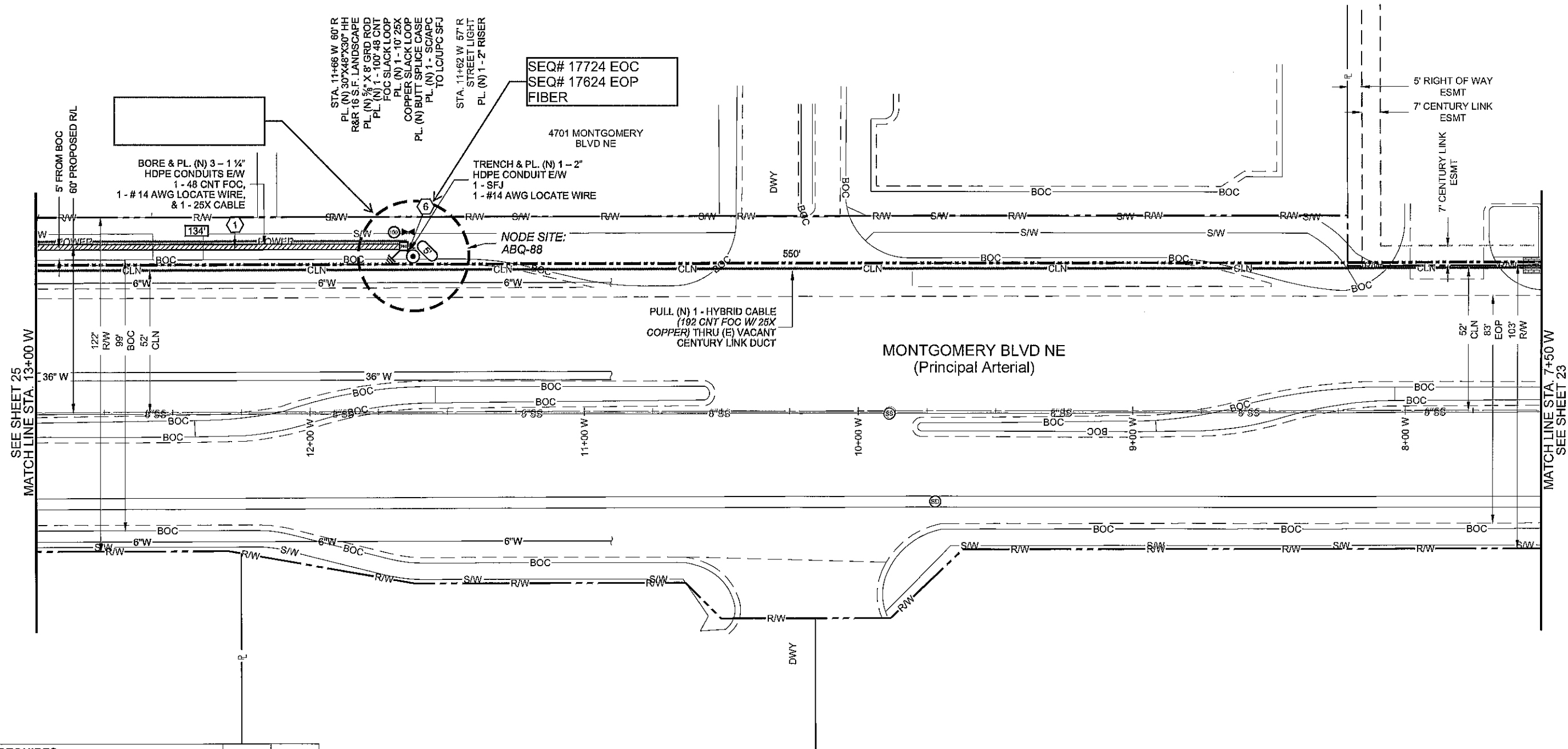
23

DRAWN BY: WB	3-14-18
--------------	---------

CITY: ALBUQUERQUE

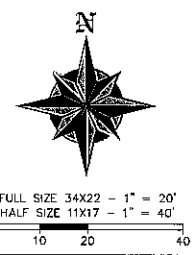
SHEET NUMBER: 23 OF 32

DIRECTION OF
ENGINEERING
←



THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/2" HDPE CONDUITS	L. FT.	134
E/W (N) 1 - 25X COPPER	L. FT.	134
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	5
PULL (N) FOC THRU (E) CENTURY LINK DUCT	L. FT.	550
PL. (N) 48 CNT FOC	L. FT.	134
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) (192 CNT / 25X COPPER) HYBRID CABLE	L. FT.	550
PL. (N) 25X COPPER	L. FT.	134

PL. (N) 25X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	139
PL. (N) SPLICE CASE	EACH	1
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1



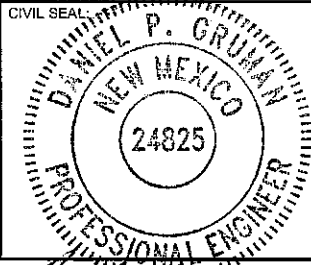
CPN 658983

Record drawing

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

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:			
WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-18-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

24

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

DRAWN BY: WB 3-14-18
SHEET NUMBER: 24 OF 32

(B) NOTES:
ALL NON COMPLIANT ADA RAMP MUST BE
UPDATED IF DISTURBED.

3 HDPE conduits
6'3" from BOC @
44" DOC

COPPER
SEQ#8848 EOP
SEQ# 8865 EOC

FIBER
SEQ# 18000 EOC
SEQ# 17900 EOP

DIRECTION OF
ENGINEERING

SEE SHEET 26
MATCH LINE STA. 19+00 W

MATCH LINE STA. 13+00 W
SEE SHEET 24

MONTGOMERY BLVD NE
(Principal Arterial)

PULL (N) 1 - HYBRID CABLE
(192 CNT FOC W/ 25X
COPPER) THRU (E) VACANT
CENTURY LINK DUCT

TRENCH & PL. (N) 1 - 4"
HDPE CONDUIT, E/W 3 - 1 1/4"
1 - # 14 AWG LOCATE WIRE
2 - HYBRID CABLES
(192 CNT / 25X COPPER)
(R&R 14 SF CONCRETE)

STA. 13+45 W 51' R
(E) CENTURY LINK
MH #5613
CORE DRILL NORTHEAST
WALL OF MH

STA. 13+34 W 80' R
PL. (N) 30" X 48" X 30" HH
PL. (N) 5/8" X 8' GRD ROD
PL. (N) 1 - 100' 48 CNT
FOC SLACK LOOP &
(192 CNT / 25X COPPER)
SLACK LOOP
R&R 16 SF LANDSCAPE
PL. (N) RING CUT CASE
CHANGE TRENCH TYPE

THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	34
E/W (N) 1 - 25X COPPER	L. FT.	34
TRENCH & PL. (N) 1 - 4" HDPE CONDUIT E/W 3 - 1 1/4"	L. FT.	14
E/W (N) 2 - HYBRID CABLES	L. FT.	14
PULL (N) FOC THRU (E) CENTURY LINK DUCT	L. FT.	600
PL. (N) 48 CNT FOC	L. FT.	34
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) (192 CNT / 25X COPPER) HYBRID CABLE	L. FT.	628
PL. (N) HYBRID CABLE SLACK LOOP	L. FT.	100
PL. (N) 25X COPPER	L. FT.	34

PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	48
PL. (N) SPLICE CASE	EACH	1
CONCRETE RESTORATION	SF	14
LANDSCAPE RESTORATION	SF	16



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'

CPN 658983

Record drawing

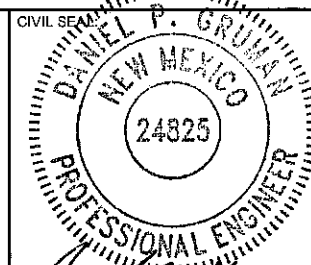
25



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

DRAWN BY: WB 3-14-18

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

SHEET NUMBER: 25 OF 32

- NOTES:
- CONTRACTOR SHALL AVOID DAMAGE TO EXISTING TREES.
 - REPLACE ANY DAMAGED LANDSCAPING OR IRRIGATION OF ANY KIND.

STA. 22+27 W 48" R
STREET LIGHT
PL (N) 1-2" RISER

STA. 22+22 W 48" R
PL (N) 30" X 48" X 30" HH
PL (N) 3/4" X 8" GROUND ROD
PL (N) 1-100' 48" CNT
FOC SLACK LOOP
R&R 16 SF LANDSCAPE
PL (N) 1-10' 25X
COPPER SLACK LOOP
PL (N) BUTT SPLICE CASE
PL (N) 1- SC/APC
TO LC/UPC SFJ

STA. 22+22 W 40" R
PL (N) 4" X 4" BORE PIT
PL (N) 90° BENDS (3' R)
R&R 16 SF ASPHALT

BORE & PL. (N) 3 - 1 1/4"
HDPE CONDUITS E/W
1 - 48 CNT FOC,
& 1 - 50X CABLE

TRENCH & PL. (N) 3 - 1 1/4"
HDPE CONDUITS E/W
1 - 48 CNT FOC,
1 - # 14 AWG LOCATE WIRE,
& 1 - 25X CABLE
[R&R 13 SF LANDSCAPE]

TRENCH & PL. (N) 1 - 4"
HDPE CONDUIT, E/W 3 - 1 1/4"
1 - # 14 AWG LOCATE WIRE
2 - HYBRID CABLES

SEQ#19856 EOP
SEQ# 19956 EOC
48 FOC

SEQ# 8370 EOP
SEQ# 8386 EOC
25 PAIR CABLE

SEQ# 7210 EOP
SEQ# 7310 EOC
COPPER&FIBER

SEQ# 7560 EOP
SEQ# 7660 EOC
COPPER&FIBER

PULL (N) 1 - HYBRID CABLE
(192 CNT FOC W/ 25X
COPPER) THRU (E) VACANT
CENTURY LINK DUCT

4401 MONTGOMERY
BLVD NE

TRENCH & PL. (N) 1 - 2"
HDPE CONDUIT E/W
1 - SFJ
1 - # 14 AWG LOCATE WIRE

3' FROM BOC
7' FROM WTR
40' PROPOSED RL

TRENCH & PL. (N) 3 - 1 1/4"
HDPE CONDUITS E/W
1 - 48 CNT FOC,
1 - # 14 AWG LOCATE WIRE,
& 1 - 25X CABLE
[R&R 16 SF 4'X4' CONCRETE PANEL]

BORE & PL. (N) 3 - 1 1/4"
HDPE CONDUITS E/W
1 - 48 CNT FOC,
1 - # 14 AWG LOCATE WIRE,
& 1 - 25X CABLE

PULL (N) 1 - HYBRID CABLE
(192 CNT FOC W/ 25X
COPPER) THRU (E) VACANT
CENTURY LINK DUCT

STA. 1+01 N 34' R
PL. (N) 36" X 60" X 36" HH
PL. (N) 3/4" X 8" GROUND ROD
PL. (N) 2 - 100' 48" CNT
FOC SLACK LOOPS &
(192 CNT / 25X COPPER)
SLACK LOOP
R&R 16 SF LANDSCAPE
PL. (N) RING CUT CASE

STA. 1+01 N 21' R
PL. (N) 4" X 4" BORE PIT
PL. (N) 90° BENDS (3' R)
R&R 16 SF ASPHALT
CHANGE TRENCH TYPE

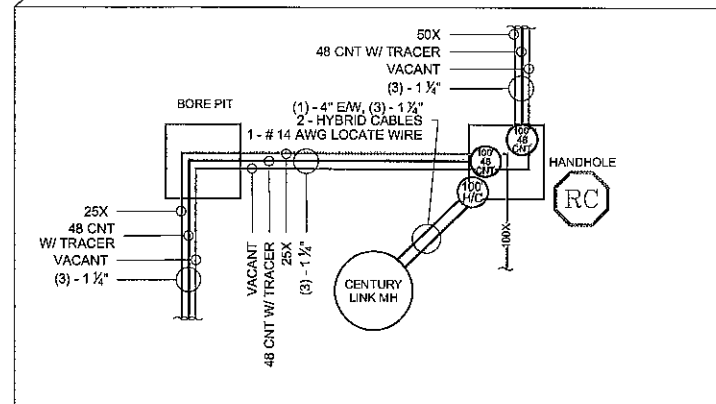
STA. 0+98 N 30' R
(E) CENTURY LINK
MH #5340
CORE DRILL MH N/E WALL

STA. 0+80 N 37' R
(E) TRANSFORMER

MONTGOMERY BLVD NE
(Principal Arterial)

THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	354
E/W (N) 1 - 25X COPPER	L. FT.	280
E/W (N) 1 - 50X COPPER	L. FT.	74
TRENCH & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	21
E/W (N) 1 - 25X COPPER	L. FT.	21
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	5
TRENCH & PL. (N) 1 - 4" HDPE CONDUIT E/W 3 - 1 1/4"	L. FT.	5
E/W (N) 2 - HYBRID CABLES	L. FT.	5
PULL (N) FOC THRU (E) CENTURY LINK DUCT	L. FT.	646
PL. (N) 48 CNT FOC	L. FT.	375
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	300
PL. (N) (192 CNT / 25X COPPER) HYBRID CABLE	L. FT.	656
PL. (N) HYBRID CABLE SLACK LOOP	L. FT.	100
PL. (N) 25X COPPER	L. FT.	301

PL. (N) 50X COPPER	L. FT.	74
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 36" X 60" X 36" HANDHOLE	EACH	1
PL. (N) 3/4" X 8" GROUND ROD	EACH	2
PL. (N) 4" X 4" BORE PIT	EACH	3
PL. (N) #14 AWG LOCATE WIRE	L. FT.	385
PL. (N) SPLICE CASE	EACH	2
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
CONCRETE RESTORATION	SF	16
LANDSCAPE RESTORATION	SF	48
ASPHALT RESTORATION	SF	48



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'

Record drawing

CPN 658983



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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PROJECT NAME:
NM0116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-18-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	8-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDESIGN	GT	11-28-18

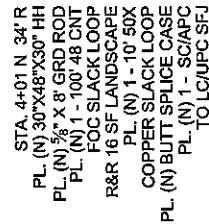
DRAWN BY: WB 3-14-18

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

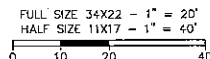
SHEET NUMBER: 26 OF 32



THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	226
E/W (N) 1 - 50X COPPER	L. FT.	226
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	5
PL. (N) 48 CNT FOC	L. FT.	226
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 50X COPPER	L. FT.	226

PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	231
PL. (N) SPLICE CASE	EACH	1
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
LANDSCAPE RESTORATION	SF	16



CPN 658983

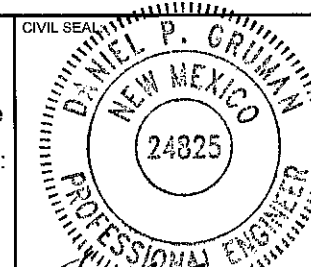
Record drawing



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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PROJECT NAME:
NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY: **WYCO**
FIELD SERVICES
WHERE QUALITY STILL COUNTS

REV. #	DESCRIPTION	BY	DATE:
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

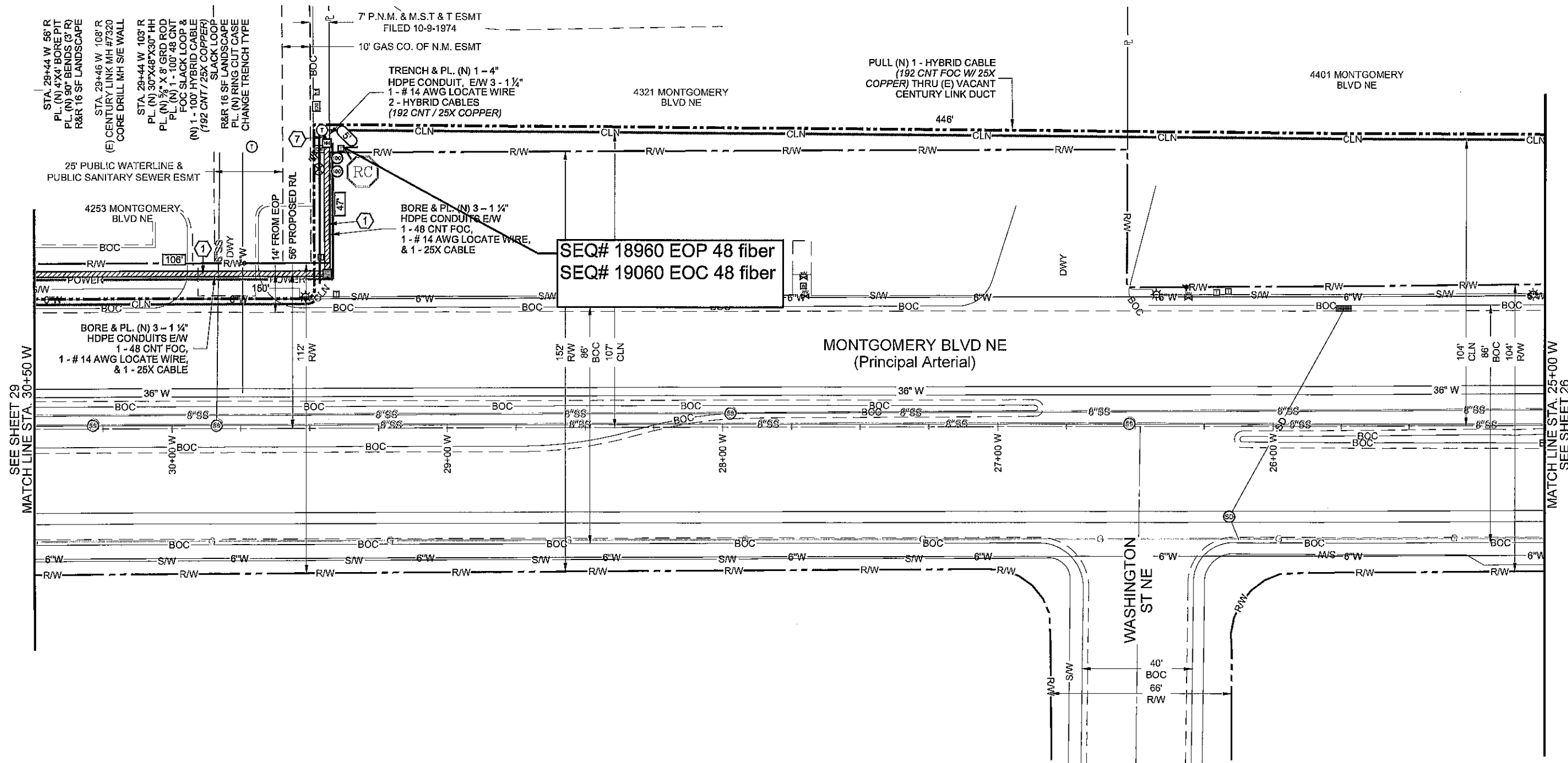
27

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

SHEET NUMBER: 27 OF 32



CPN 658983

THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	153
E/W (N) 1 - 25X COPPER	L. FT.	153
TRENCH & PL. (N) 1 - 4" HDPE CONDUIT E/W 3 - 1 1/4"	L. FT.	5
E/W (N) 2 - HYBRID CABLES	L. FT.	5
PULL (N) FOC THRU (E) CENTURY LINK DUCT	L. FT.	596
PL. (N) 48 CNT FOC	L. FT.	153
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	100

PL. (N) (192 CNT / 25X COPPER) HYBRID CABLE	L. FT.	606
PL. (N) HYBRID CABLE SLACK LOOP	L. FT.	100
PL. (N) 25X COPPER	L. FT.	153
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) 4' X 4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	158
PL. (N) SPLICE CASE	EACH	1
LANDSCAPE RESTORATION	SF	32



FULL SIZE 34X22 - 1\"/>

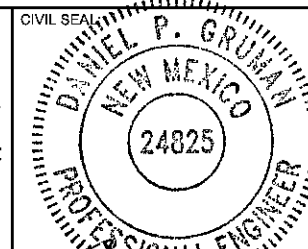
Record drawing

2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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NM01116D
CITY OF ALBUQUERQUEALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 5	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-18

DRAWN BY: WB 3-14-18

28

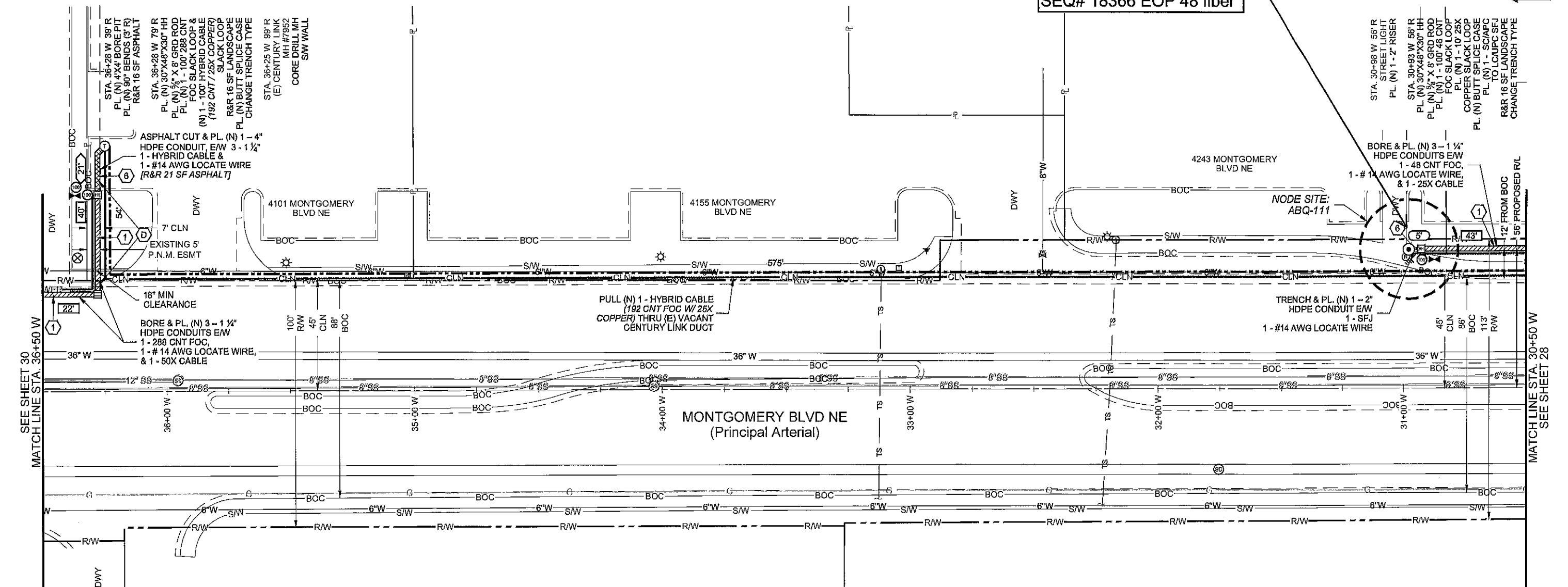
STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

SHEET NUMBER: 28 OF 32

NOTES:
-REPLACE & RESTORE DRAINAGE CHANNEL & SIDEWALK
CULVERT IF DISTURBED.



THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	105
E/W (N) 1 - 25X COPPER	L. FT.	43
E/W (N) 1 - 50X COPPER	L. FT.	62
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	5
ASPHALT CUT & PL (N) 1-4" HDPE CONDUIT E/W 3 - 1 1/4"	L. FT.	21
E/W (N) 1 - HYBRID CABLE	L. FT.	21
PULL (N) FOC THRU (E) CENTURY LINK DUCT	L. FT.	629
PL. (N) 48 CNT FOC	L. FT.	43
PL. (N) 48 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 288 CNT FOC	L. FT.	62
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) (192 CNT / 25X COPPER) HYBRID CABLE	L. FT.	650
PL. (N) HYBRID CABLE SLACK LOOP	L. FT.	100

PL. (N) 25X COPPER	L. FT.	43
PL. (N) 25X COPPER SLACK LOOP	L. FT.	10
PL. (N) 50X COPPER	L. FT.	62
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	2
PL. (N) 5/8" X 8' GROUND ROD	EACH	2
PL. (N) 4'X4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	131
PL. (N) SPLICE CASE	EACH	2
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
LANDSCAPE RESTORATION	SF	32
ASPHALT RESTORATION	SF	37



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'
FEET 0 10 20 40

CPN 658983

Record drawing

29



NG WEST, LLC

2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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CIVIL SEAL:



PROJECT NAME:
NM0116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
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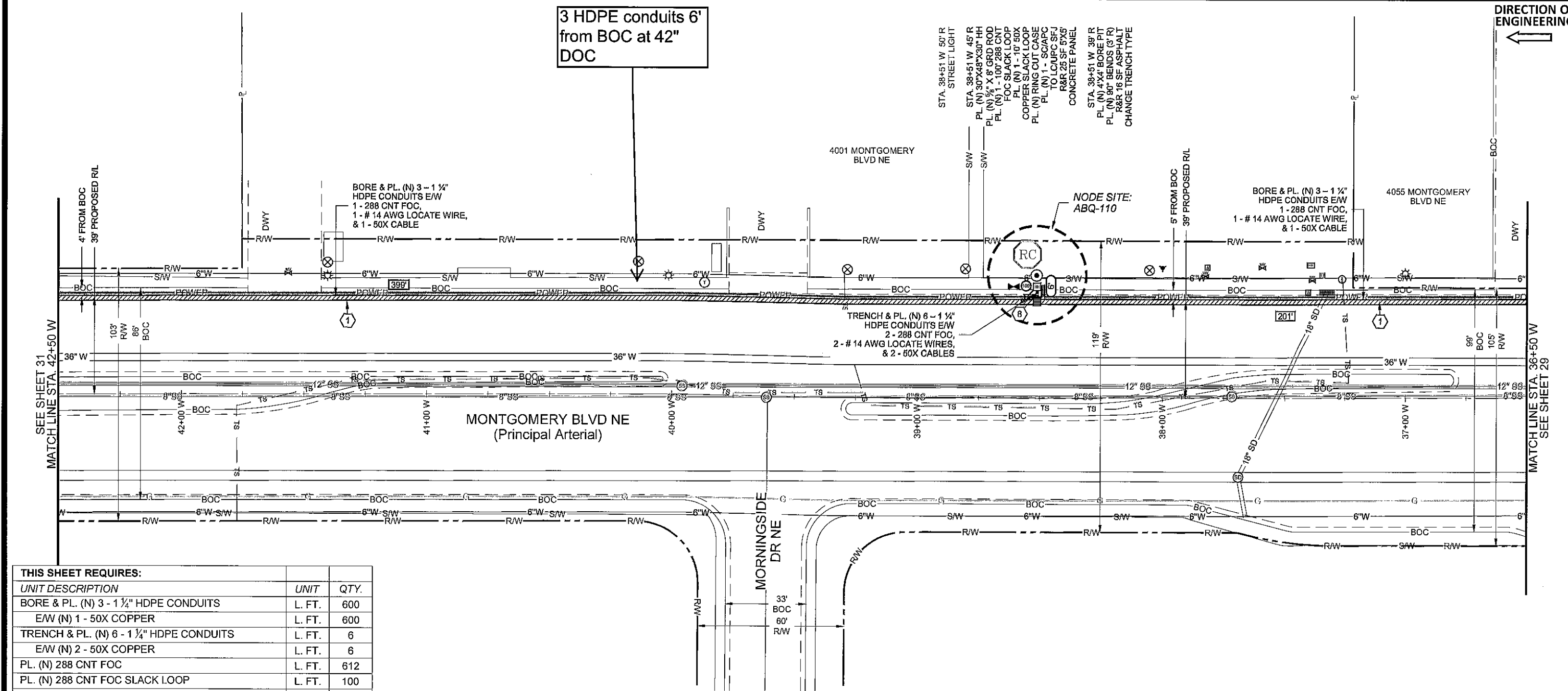
DRAWN BY: WB 3-14-18

STATE: NEW MEXICO

COUNTY: BERNALILLO

CITY: ALBUQUERQUE

SHEET NUMBER: 29 OF 32

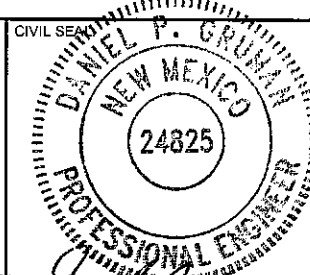


THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	600
E/W (N) 1 - 50X COPPER	L. FT.	600
TRENCH & PL. (N) 6 - 1 1/4" HDPE CONDUITS	L. FT.	6
E/W (N) 2 - 50X COPPER	L. FT.	6
PL. (N) 288 CNT FOC	L. FT.	612
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 50X COPPER	L. FT.	612
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) 4' X 4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	612
PL. (N) SPLICE CASE	EACH	1
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
CONCRETE RESTORATION	SF	25
ASPHALT RESTORATION	SF	16

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

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NM01116D
CITY OF ALBUQUERQUE
ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:			
WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDESIGN	GT	11-28-18

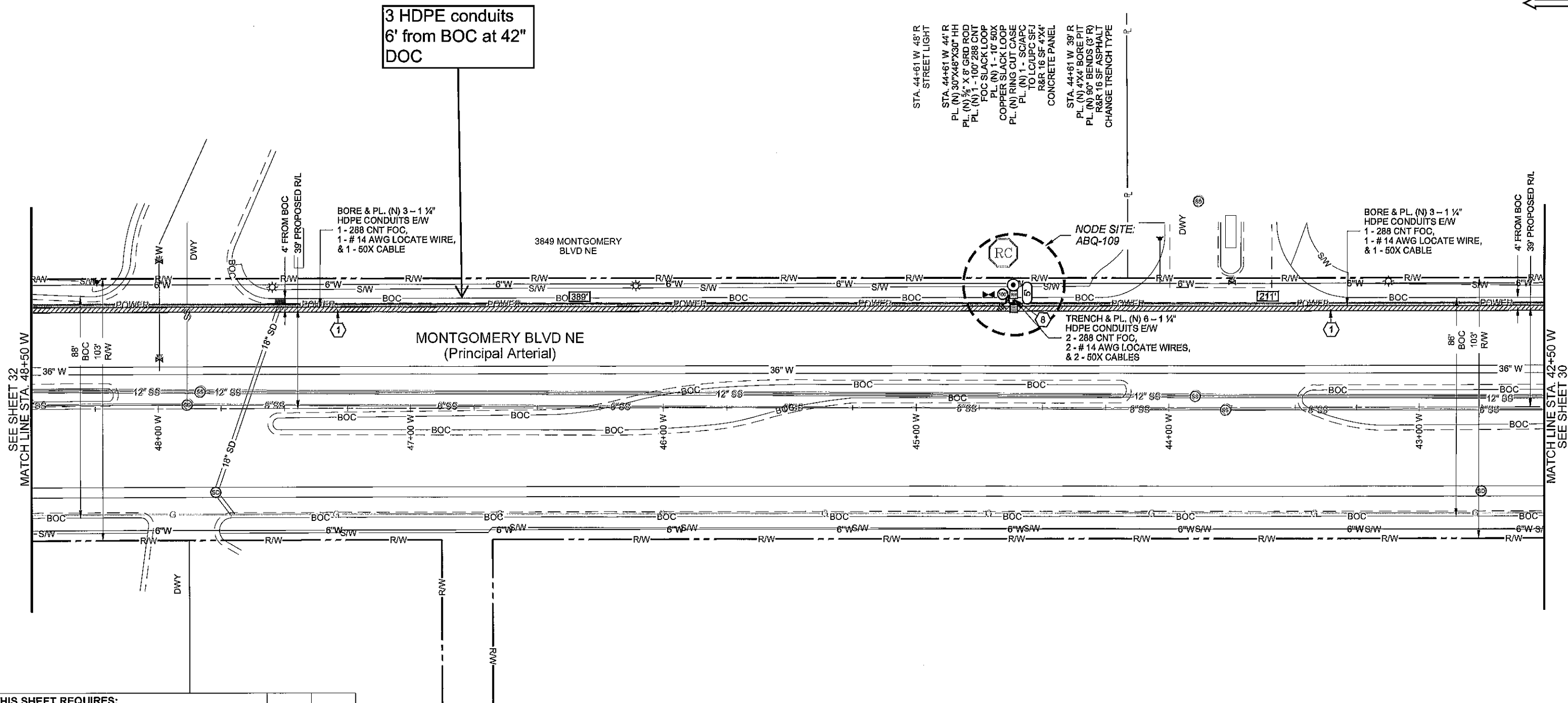
DRAWN BY: WB 3-14-18
SHEET NUMBER: 30 OF 32

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

CPN 658983

Record drawing

30



THIS SHEET REQUIRES:

UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	600
E/W (N) 1 - 50X COPPER	L. FT.	600
TRENCH & PL. (N) 6 - 1 1/4" HDPE CONDUITS	L. FT.	5
E/W (N) 2 - 50X COPPER	L. FT.	5
PL. (N) 288 CNT FOC	L. FT.	610
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	100
PL. (N) 50X COPPER	L. FT.	610
PL. (N) 50X COPPER SLACK LOOP	L. FT.	10

PL. (N) 30" X 48" X 30" HANDHOLE	EACH	1
PL. (N) 5/8" X 8' GROUND ROD	EACH	1
PL. (N) 4' X 4' BORE PIT	EACH	1
PL. (N) #14 AWG LOCATE WIRE	L. FT.	610
PL. (N) SPLICE CASE	EACH	1
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	1
PL. (N) 1 - 2" RISER	EACH	1
CONCRETE RESTORATION	SF	16
ASPHALT RESTORATION	SF	16

CPN 658983

Record drawing



FULL SIZE 34x22 - 1" = 20'
HALF SIZE 11x17 - 1" = 40'

FEET 0 10 20 40



2055 SOUTH STEARMAN DR.
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:
NM0116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY:



REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
6	DAVID B. REDLINES REV 6	GT	4-11-18
7	CC REDESIGN	GT	9-5-18
8	CC REDESIGN	LR	9-11-18
9	CC REDLINES	GT	11-28-19

DRAWN BY: WB 3-14-18

STATE: NEW MEXICO

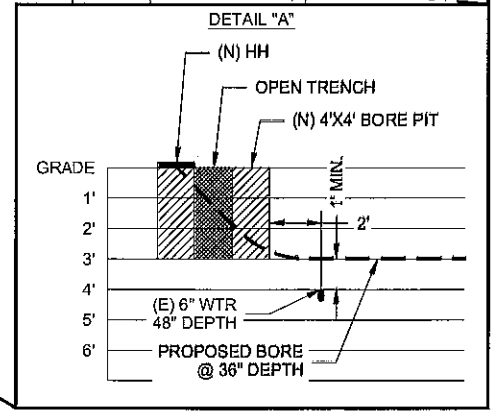
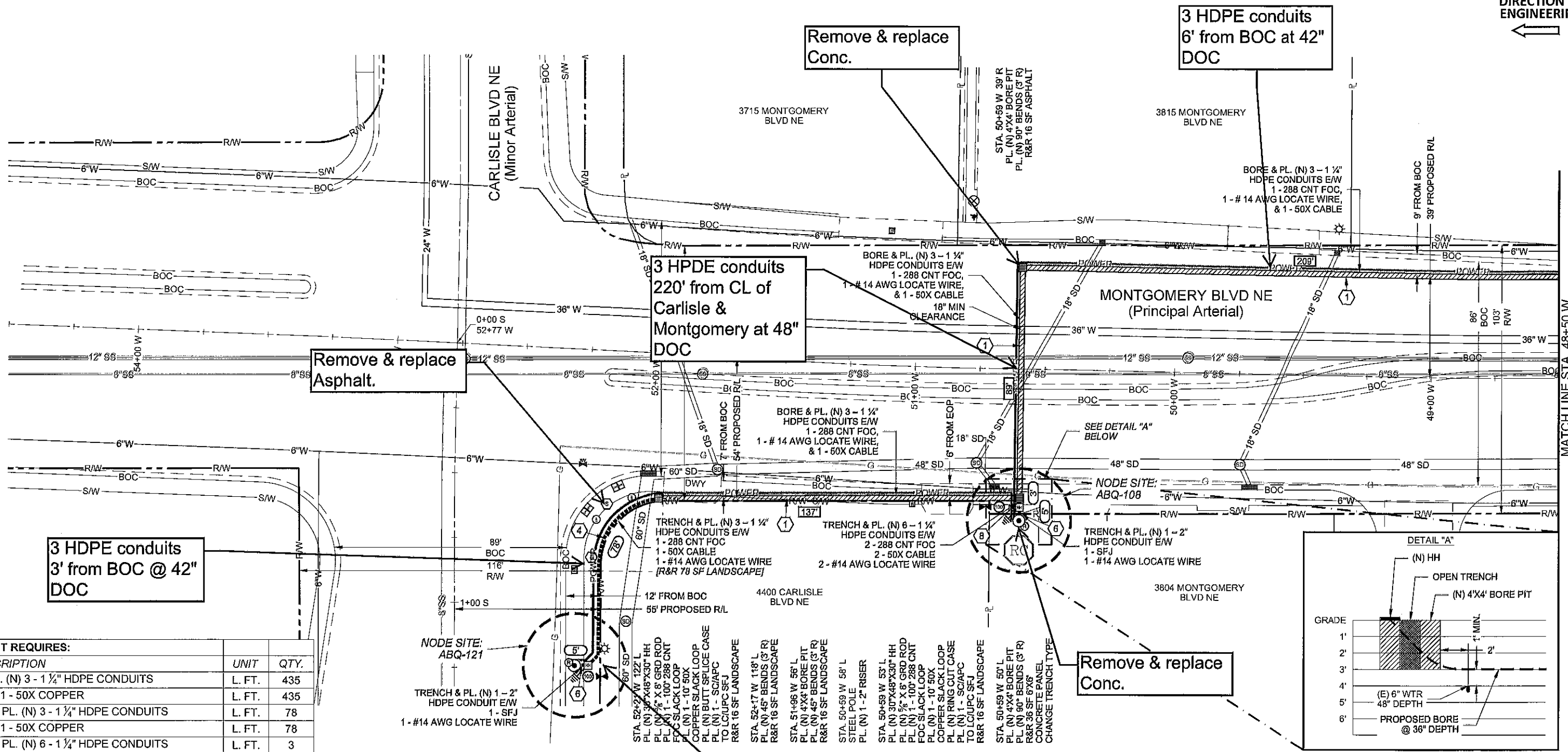
COUNTY: BERNALILLO

CITY: ALBUQUERQUE

SHEET NUMBER: 31 OF 32

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DIRECTION OF
ENGINEERING



THIS SHEET REQUIRES:		
UNIT DESCRIPTION	UNIT	QTY.
BORE & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	435
E/W (N) 1 - 50X COPPER	L. FT.	435
TRENCH & PL. (N) 3 - 1 1/4" HDPE CONDUITS	L. FT.	78
E/W (N) 1 - 50X COPPER	L. FT.	78
TRENCH & PL. (N) 6 - 1 1/4" HDPE CONDUITS	L. FT.	3
E/W (N) 2 - 50X COPPER	L. FT.	3
TRENCH & PL. (N) 1 - 2" HDPE CONDUIT	L. FT.	10
PL. (N) 288 CNT FOC	L. FT.	519
PL. (N) 288 CNT FOC SLACK LOOP	L. FT.	200
PL. (N) 50X COPPER	L. FT.	519
PL. (N) 50X COPPER SLACK LOOP	L. FT.	20
PL. (N) 30" X 48" X 30" HANDHOLE	EACH	2
PL. (N) 5/8" X 8' GROUND ROD	EACH	2
PL. (N) 4' X 4' BORE PIT	EACH	3

PL. (N) #14 AWG LOCATE WIRE	L. FT.	529
PL. (N) SPLICE CASE	EACH	2
PL. (N) 1 - SC/APC TO LC/UPC SFJ	EACH	2
PL. (N) 1 - 2" RISER	EACH	2
CONCRETE RESTORATION	SF	36
LANDSCAPE RESTORATION	SF	142
ASPHALT RESTORATION	SF	16

Remove & replace
Conc.



FULL SIZE 34X22 - 1" = 20'
HALF SIZE 11X17 - 1" = 40'
FEET 0 10 20 40

CPN 658983

Record drawing

32



2055 SOUTH STEARMAN DR.
CHANDLER, ARIZONA 85286

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PROJECT NAME:
NM0116D
CITY OF ALBUQUERQUE

ALBUQUERQUE, NM
BERNALILLO COUNTY

PREPARED BY: WYCO FIELD SERVICES			
REV. #	DESCRIPTION	BY	DATE
5	DAVID B. REDLINES REV 5	GT	3-16-18
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9	CC REDLINES	GT	11-28-18

DRAWN BY: WB 3-14-18

STATE: NEW MEXICO COUNTY: BERNALILLO CITY: ALBUQUERQUE

SHEET NUMBER: 32 OF 32