

SITE NAME  
 NM4 LAMY

SITE ADDRESS:  
 99 ASTRAL VALLEY ROAD  
 LAMY, NM 87540

SUBMITTALS

NO.	BY	DATE	SUBMITTAL
1	MG	08/23/18	FINAL SUBMITTAL



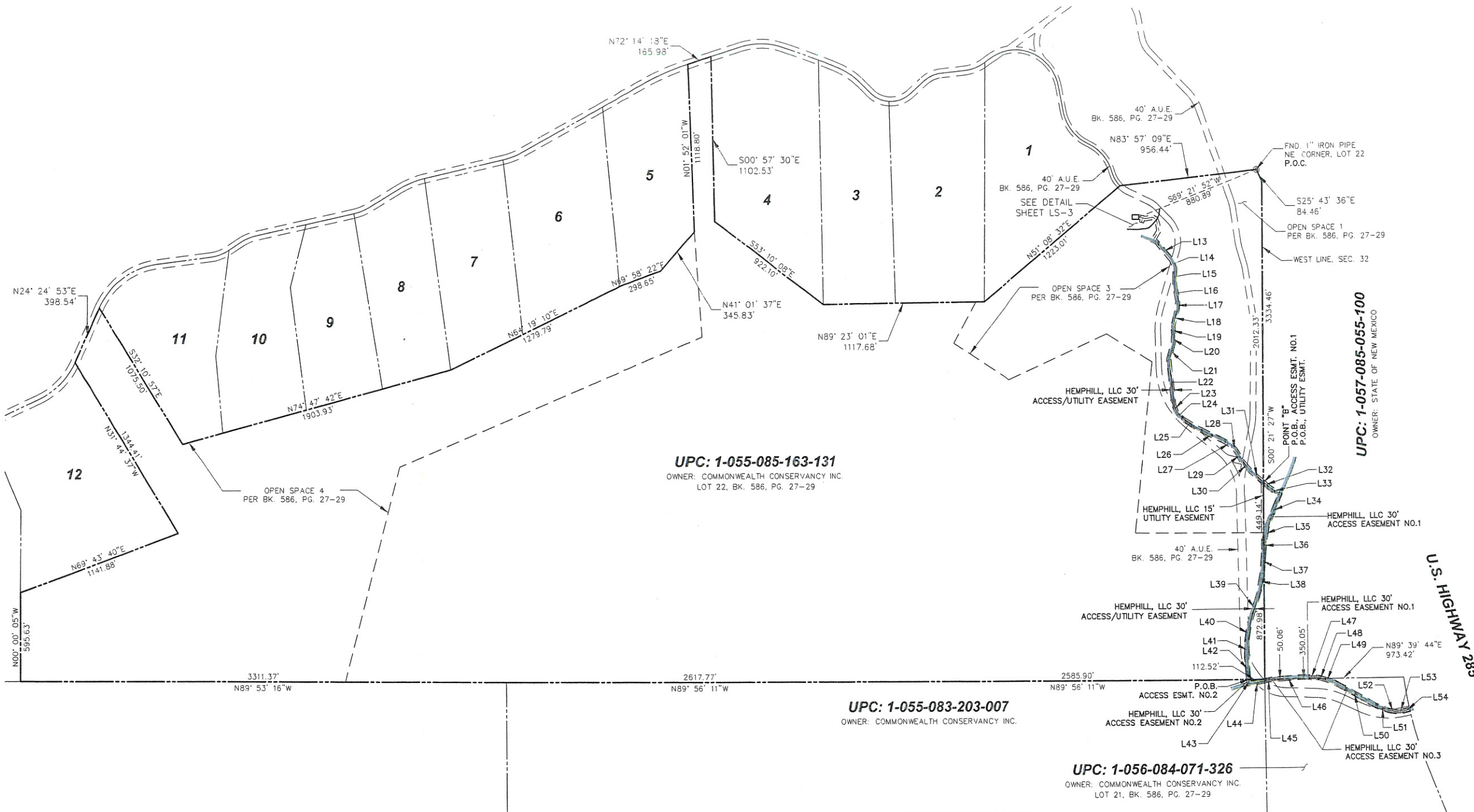
**TERRAMARK**  
 LAND SURVEYING

24654 N. LAKE PLEASANT PKWY #103-163  
 PEORIA, AZ 85383  
 P. 480-440-1748  
 F. 623-777-1782  
 www.terramarksurveying.com

SITE SURVEY

JOB NO:	FIELD BY:	DRAWN BY:
1502014	MG	MG

SHEET NO:	SHEET NAME:
2 OF 3	Is-2



**LEGEND**

- ⊙ FOUND AS NOTED
- TREE (TYP)
- - - BREAKLINE
- ⊕ POSITION OF GEODETIC COORDINATES
- ⊙ P.O.B.
- ⊙ P.O.C.
- FND FOUND
- EX EXISTING
- NG NATURAL GRADE
- BOUNDARY LINE
- - - ADJOINING BOUNDARY LINE
- - - EASEMENT LINE
- CENTERLINE
- - - SECTION LINE
- - - LEASE LINE
- - - TIE-LINE
- DIRT ROAD

LINE TABLE

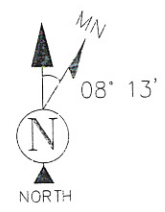
LINE	LENGTH	BEARING
L1	15.00'	S0° 00' 00"E
L2	45.00'	N90° 00' 00"W
L3	30.00'	N0° 00' 00"E
L4	45.00'	N90° 00' 00"E
L5	15.00'	S0° 00' 00"E
L6	27.36'	S77° 14' 47"E
L7	50.52'	N80° 37' 09"E
L8	26.24'	S59° 56' 12"E
L9	39.38'	S19° 46' 46"E
L10	41.66'	S8° 09' 13"E
L11	73.89'	S33° 21' 49"W
L12	28.18'	S64° 11' 39"E
L13	157.74'	S40° 34' 56"E
L14	57.90'	S23° 20' 45"E
L15	115.83'	S0° 51' 17"W
L16	105.67'	S11° 44' 40"E
L17	58.82'	S5° 29' 56"W
L18	113.95'	S16° 18' 19"W

LINE TABLE

LINE	LENGTH	BEARING
L19	56.90'	S4° 26' 39"E
L20	57.00'	S3° 44' 21"W
L21	113.72'	S16° 55' 32"W
L22	304.10'	S6° 15' 20"E
L23	51.07'	S22° 13' 06"E
L24	60.73'	S41° 21' 00"E
L25	118.55'	S57° 42' 18"E
L26	215.03'	S64° 10' 28"E
L27	53.94'	S57° 47' 14"E
L28	51.53'	S39° 02' 01"E
L29	61.48'	S28° 07' 14"E
L30	102.66'	S41° 47' 12"E
L31	116.80'	S49° 23' 31"E
L32	45.78'	S49° 23' 31"E
L33	91.73'	S53° 20' 13"E
L34	223.89'	S22° 44' 04"W
L35	105.90'	S10° 58' 46"W
L36	54.29'	S4° 41' 51"W

LINE TABLE

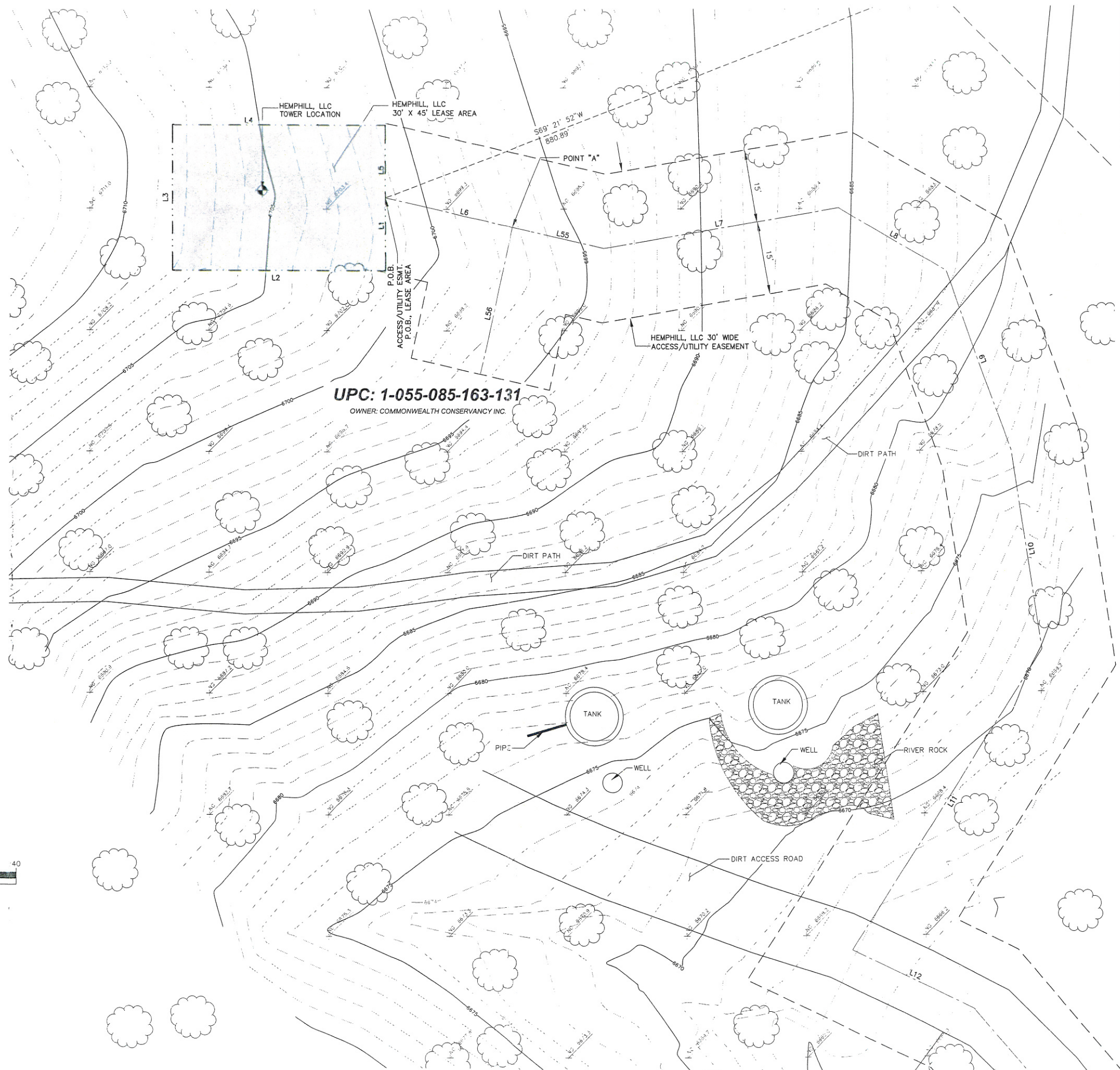
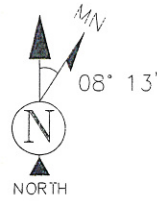
LINE	LENGTH	BEARING
L37	157.52'	S4° 41' 53"W
L38	119.81'	S10° 45' 24"W
L39	244.16'	S17° 52' 21"W
L40	111.45'	S9° 29' 32"W
L41	110.56'	S1° 24' 57"W
L42	145.93'	S5° 14' 40"E
L43	27.60'	S5° 14' 40"E
L44	111.66'	N80° 12' 27"E
L45	50.77'	N80° 10' 18"E
L46	215.79'	N86° 11' 56"E
L47	109.95'	S87° 04' 01"E
L48	25.79'	S75° 08' 15"E
L49	76.20'	S75° 08' 15"E
L50	346.85'	S61° 14' 49"E
L51	94.07'	S69° 29' 27"E
L52	57.54'	S82° 18' 23"E
L53	51.94'	N85° 13' 34"E
L54	37.46'	N74° 09' 46"E
L55	19.93'	S77° 14' 47"E
L56	31.00'	S12° 45' 13"W



BOUNDARY DETAIL  
 SCALE: 1" = 350'

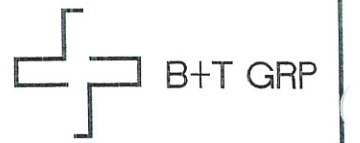
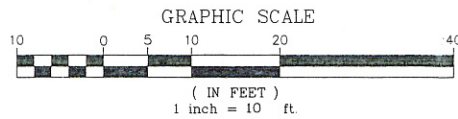






**LEGEND**

- ⊙ FOUND AS NOTED TREE (TYP)
- - - BREAKLINE
- ⊙ POSITION OF GEODETIC COORDINATES
- ⊙ P.O.B. POINT OF BEGINNING
- ⊙ P.O.C. POINT OF COMMENCEMENT
- FND FOUND
- EX EXISTING
- NG NATURAL GRADE
- BOUNDARY LINE
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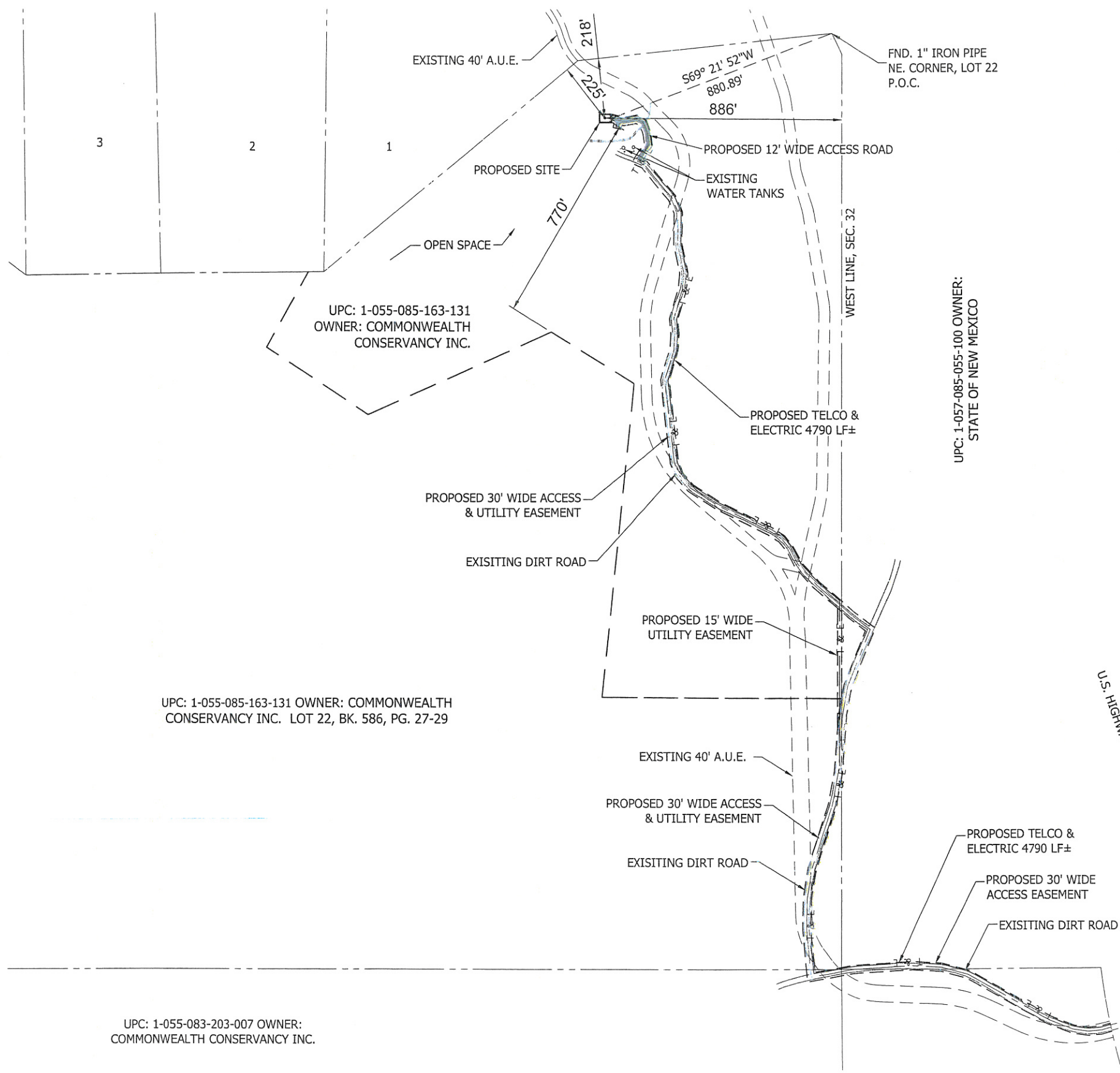
**SITE SURVEY**

JOB NO:	FIELD BY:	DRAWN BY:
1502014	MG	MG

SHEET NO.	SHEET NAME:
3 OF 3	LS-3



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**KEYED NOTES:**

1. INSTALL 4790 LF± UNDERGROUND TELCO IN (1) 4" SCH. 40 PVC CONDUIT. INSTALL IN ACCORDANCE WITH OSHA AND ALL APPLICABLE CODES.
2. INSTALL 4790 LF± UNDERGROUND ELEC IN (1) 4" SCH. 40 PVC CONDUIT. INSTALL IN ACCORDANCE WITH OSHA AND ALL APPLICABLE CODES.
3. CONSTRUCT 280 LF± 12' WIDE ACCESS ROAD AND TURNAROUND.

**NOTES:**

1. SEE LEGEND, SITE DATA, AND GENERAL NOTES ON SHEETS GN-1 - GN-2.
2. TOWER LATITUDE, LONGITUDE & ELEVATION MEET FAA"1-A" ACCURACY REQUIREMENTS.
3. PROPOSED 36' MONOPINE TOWER.

CENTER OF TOWER:

LATITUDE: 35° 29' 14.310" NORTH (NAD83)  
 LONGITUDE: 105° 54' 53.910" WEST (NAD83)  
 GROUND ELEVATION @ 6705.4' NAVD88)

4. THE PERPENDICULAR DISTANCES FROM THE CENTER OF PROPOSED TOWER TO PARENT TRACT BOUNDARY LINE WERE ESTABLISHED FROM ACTUAL FIELD MEASUREMENTS AND OBSERVATIONS PERFORMED BY TERRAMARK LAND SURVEYING, DATED JUNE 6, 2018. AND ARE AS FOLLOWS:

NORTH: 218'  
 SOUTHWEST: 770'  
 EAST: 886'  
 NORTHWEST: 225'

5. CONTRACTOR TO COORDINATE LOCATION OF POWER & TELCO DEMARCS WITH UTILITY PROVIDERS PRIOR TO BIDDING PROJECT.

**FLOOD NOTE:**

BY GRAPHIC PLOTTING ONLY, THE SUBJECT PROPERTY APPEARS TO LIE IN ZONE "X" OF THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO. 40101C0095F, WHICH BEARS AN EFFECTIVE DATE OF FEBRUARY 04, 2011 AND IS NOT IN A SPECIAL FLOOD HAZARD. CHANCE FLOOD WITH AVERAGE DEPTHS OF LESS THAN 1 FOOT OR WITH DRAINAGE AREAS LESS THAN 1 SQUARE MILE; AND AREAS PROTECTED BY LEVEES FROM 1% ANNUAL CHANCE FLOOD AS DETERMINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY UNDER THAT CIRCUMSTANCE.



SCALE VERIFICATION  
 BAR IS ONE INCH ON ORIGINAL DRAWING = 1"  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

**SCALE: 1"=200'**

**SITE ID:**  
 1542 (2009392196)

**NM4 LAMY**  
 21 ASTRAL VALLEY RD  
 LAMY, NM 87540

PROPOSED 36' MONOPINE

PROJECT NO: 126332  
 CHECKED BY: MAS

ISSUED FOR:

REV	DATE	DRWN	DESCRIPTION
0	8/29/18	CAH	ZONING SUBMITTAL

SCOTT VANCE  
 23682  
 Expires 12/31/2018



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

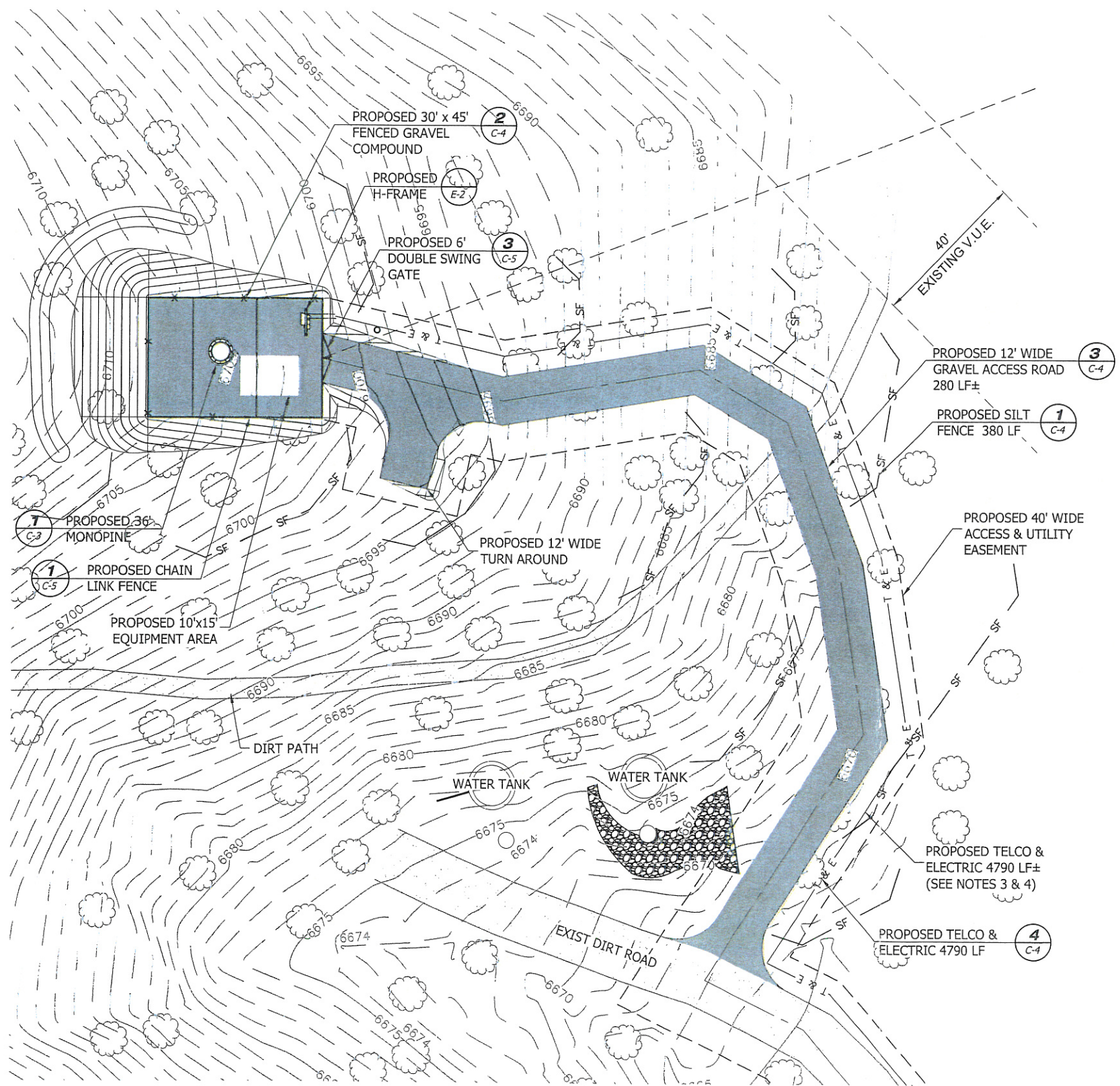
**OVERALL SITE PLAN**

SHEET NUMBER: **C-1** REVISION: **0**

*MBA-21*



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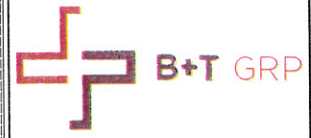


**NOTES:**

1. SEE LEGEND, ABBREVIATIONS & GENERAL NOTES ON SHEET GN-1.
2. EXISTING FEATURES SHOWN HEREON ARE BASED ON ACTUAL FIELD MEASUREMENTS AND OBSERVATIONS PERFORMED BY TERRAMARK LAND SURVEYING, DATED JUNE 6, 2018.
3. INSTALL 4790 LF± UNDERGROUND TELCO IN (1) 4" SCH. 40 PVC CONDUIT. INSTALL IN ACCORDANCE WITH OSHA AND ALL APPLICABLE CODES.
4. INSTALL 4790 LF± UNDERGROUND ELEC IN (1) 4" SCH. 40 PVC CONDUIT. INSTALL IN ACCORDANCE WITH OSHA AND ALL APPLICABLE CODES.
5. THE CONTRACTOR SHALL FIELD-VERIFY THE LOCATION OF ALL EXISTING ABOVE GROUND AND UNDERGROUND IMPROVEMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY RELOCATION OR REPAIR OF EXISTING IMPROVEMENTS DUE TO DAMAGE CAUSED DURING CONSTRUCTION.
7. ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE CONTRACTOR WITH LOCAL GAS, ELECTRIC, TELEPHONE AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS PROJECT.
8. CONTRACTOR SHALL COORDINATE POWER AND TELCO WITH WITH UTILITY PROVIDERS PRIOR TO BIDDING PROJECT.

THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED WITHIN THIS DESIGN PACKAGE. DISCREPANCIES AND OMISSIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO BIDDING.

LEGEND	
— 3807 —	INDICATES EXISTING CONTOUR
— SF —	INDICATES PROPOSED SILT FENCE
— FG=1154.1 —	INDICATES FINISHED GRADE ELEVATION

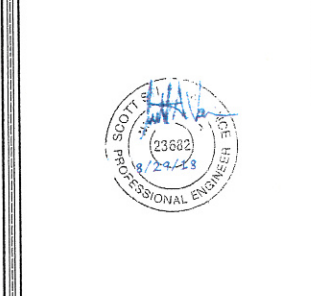


SCALE VERIFICATION  
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 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.  
**SCALE: 1"=15'**

SITE ID:  
 1542 (2009392196)  
**NM4 LAMY**  
 21 ASTRAL VALLEY RD  
 LAMY, NM 87540  
 PROPOSED 36' MONOPINE

PROJECT NO:	126332		
CHECKED BY:	MAS		
ISSUED FOR:			
REV	DATE	DRWN	DESCRIPTION
0	8/29/18	CAH	ZONING SUBMITTAL

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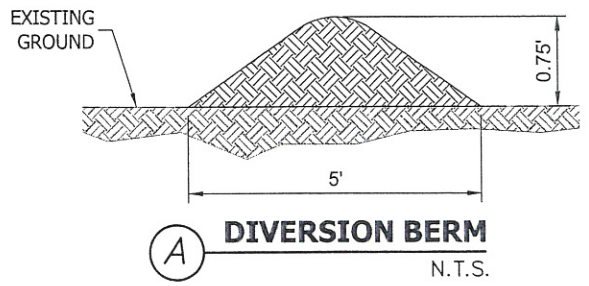
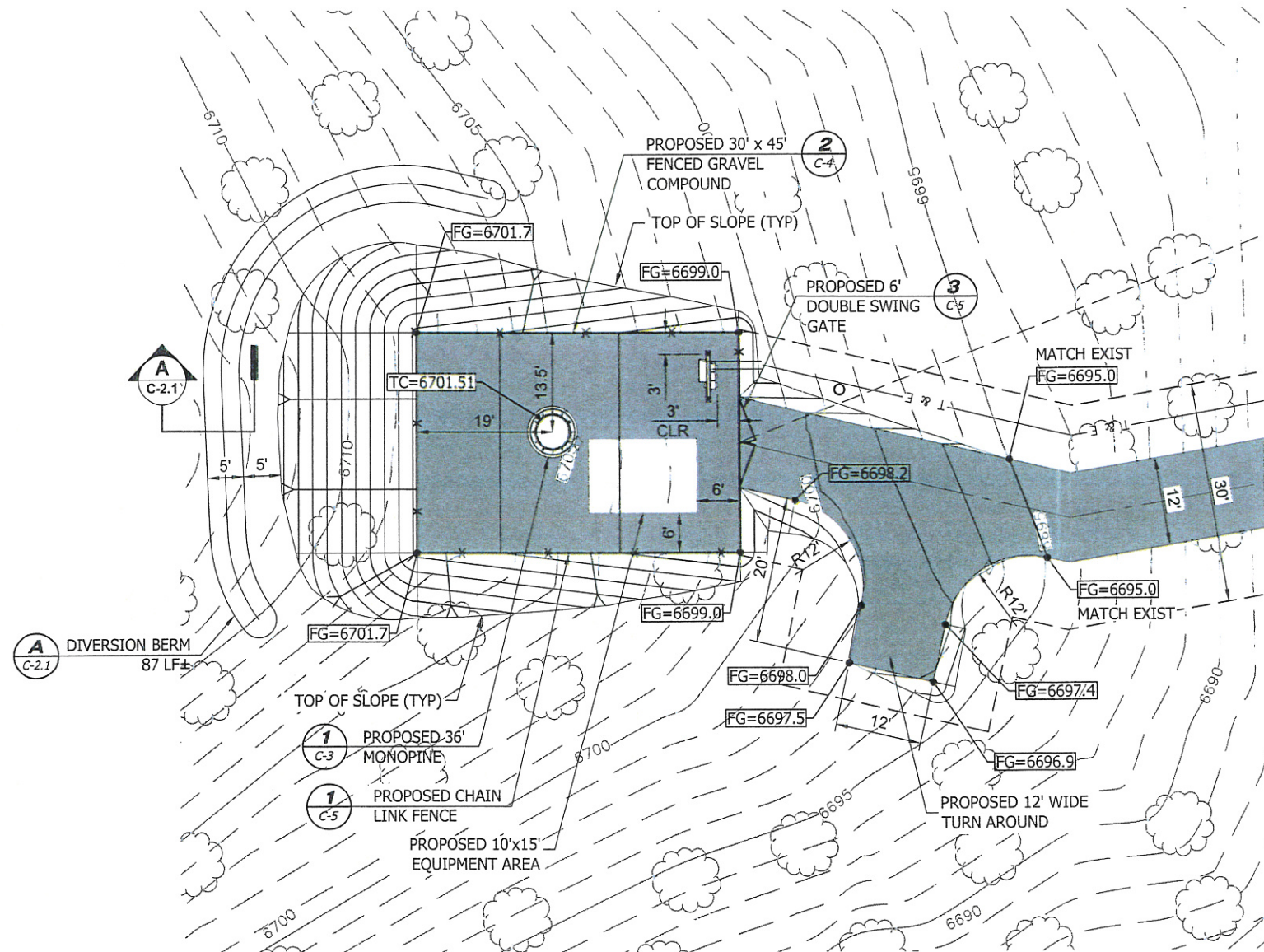
**PROPOSED IMPROVMENTS**

SHEET NUMBER: **C-2** REVISION: **0**

NBA-22



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**NOTES:**

- SEE LEGEND, ABBREVIATIONS & GENERAL NOTES ON SHEETS GN-1.
- EXISTING FEATURES SHOWN HEREON ARE BASED ON ACTUAL FIELD MEASUREMENTS AND OBSERVATIONS PERFORMED BY TERRAMARK LAND SURVEYING, DATED JUNE 6, 2018.
- THE CONTRACTOR SHALL FIELD-VERIFY THE LOCATION OF ALL EXISTING ABOVE GROUND AND UNDERGROUND IMPROVEMENTS PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY NECESSARY RELOCATION OR REPAIR OF EXISTING IMPROVEMENTS DUE TO DAMAGE CAUSED DURING CONSTRUCTION.
- ALL SITE WORK SHALL BE CAREFULLY COORDINATED BY THE CONTRACTOR WITH LOCAL GAS, ELECTRIC, TELEPHONE AND ANY OTHER UTILITY COMPANIES HAVING JURISDICTION OVER THIS PROJECT.
- CONTRACTOR TO VERIFY POSITIVE DRAINAGE. CONTACT ENGINEER IMMEDIATELY IF ANY DISCREPANCIES ARE FOUND.

THE CONTRACTOR SHALL VISIT THE SITE BEFORE BIDDING ON THE WORK CONTAINED WITHIN THIS DESIGN PACKAGE. DISCREPANCIES AND OMISSIONS SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO BIDDING.

LEGEND	
— 3807 —	INDICATES EXISTING CONTOUR
— SF —	INDICATES PROPOSED SILT FENCE
— FG=1154.1 —	INDICATES FINISHED GRADE ELEVATION



SCALE VERIFICATION  
 BAR IS ONE INCH ON ORIGINAL DRAWING 1"  
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**SCALE: 1"=10'**

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 1542 (2009392196)  
**NM4 LAMY**  
 21 ASTRAL VALLEY RD  
 LAMY, NM 87540  
**PROPOSED 36' MONOPINE**

<b>PROJECT NO:</b>	126332		
<b>CHECKED BY:</b>	MAS		
<b>ISSUED FOR:</b>			
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**ENLARGED SITE PLAN**

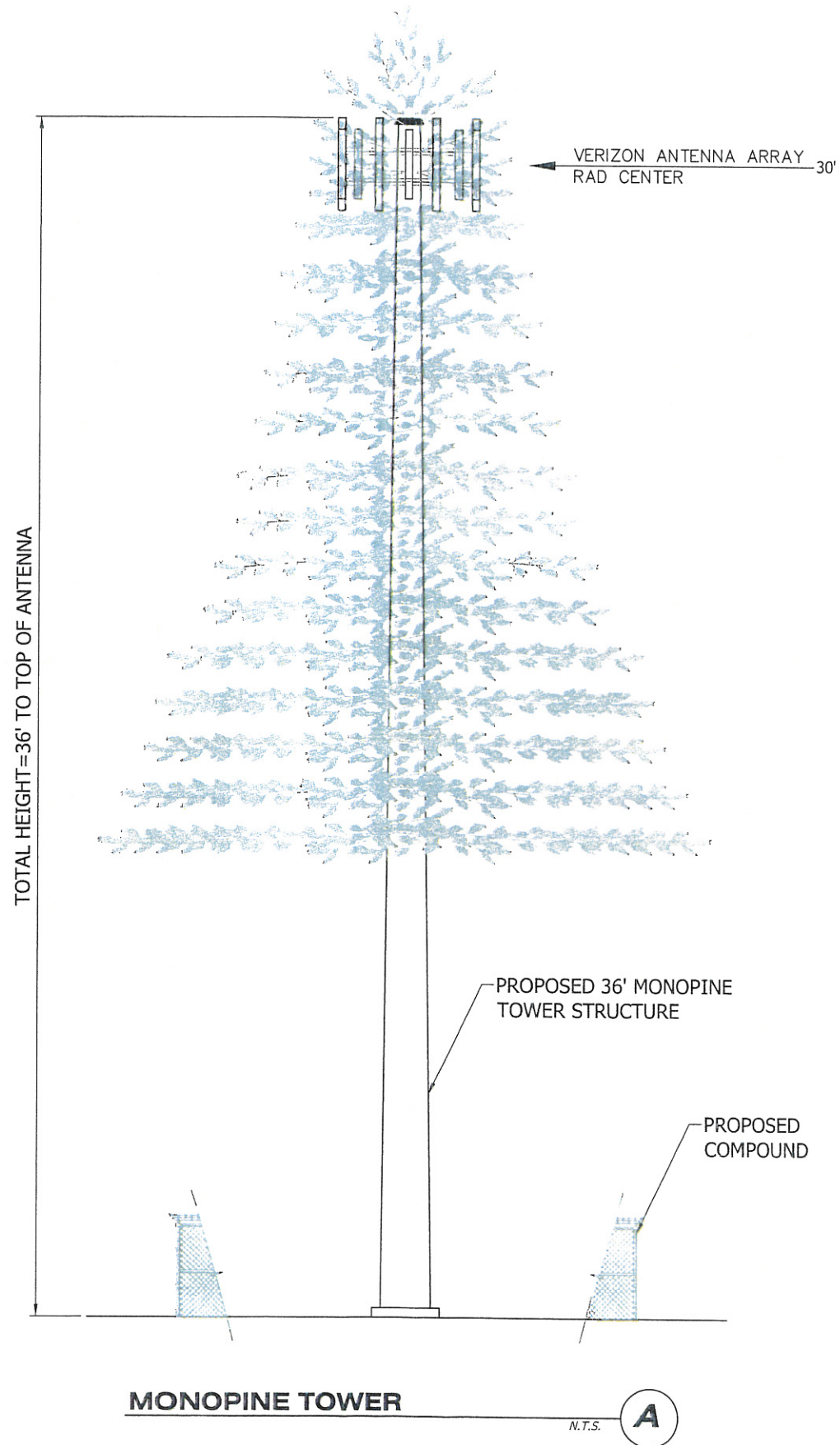
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<b>C-2.1</b>	<b>0</b>



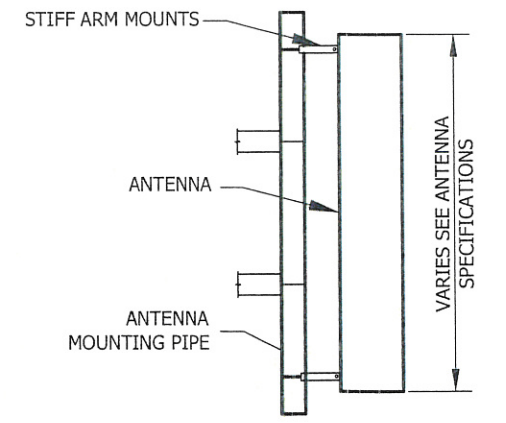
NBA-23



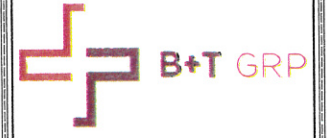
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- NOTES:**
1. REFER TO STRUCTURAL PLANS BY OTHERS FOR TOWER SPECIFICATION & DETAILS.
  2. THIS DETAIL IS FOR INFORMATION ONLY AND NOT FOR CONSTRUCTION PURPOSES.
  3. NAVIGATIONAL HAZARD LIGHTING IS NOT REQUIRED IN ACCORDANCE WITH FAA REGULATIONS.
  4. THE TOWER SHALL HAVE A BROWN PAINTED FINISH.
  5. CARRIER RAD CENTER LINES SHALL BE VERIFIED WITH PI TELECOM INFRASTRUCTURE PRIOR TO COMMENCEMENT OF CONSTRUCTION.
  6. ANTENNAS SHALL BE ENCLOSED, CAMOUFLAGED, SCREENED, OBSCURED OR OTHERWISE NOT READILY APPARENT TO A CASUAL OBSERVER.



**2 ANTENNA SECTION TYPICAL** N.T.S.



SCALE VERIFICATION  
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**SCALE: N.T.S.**

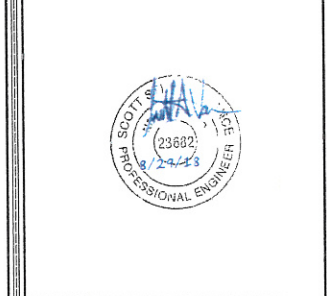
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 LAMY, NM 87540  
 PROPOSED 36' MONOPINE

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**TOWER ELEVATION**

SHEET NUMBER: **C-3** REVISION: **0**

NBA-24





**SITE ADDRESS:**  
 99 ASTRAL VALLEY RD.  
 SANTA FE COUNTY 87540  
 NEW MEXICO

**COORDINATES:**  
 LAT: 35°29'14.310"N  
 LONG: 105°54'53.910"W

- CONTENTS:**
- 1: COVER
  - 2: EXISTING NORTHWEST ELEVATION
  - 3: NORTHWEST ELEVATION SIMULATION
  - 4: EXISTING NORTHEAST ELEVATION
  - 5: NORTHEAST ELEVATION SIMULATION
  - 6: EXISTING SOUTH ELEVATION
  - 7: SOUTH ELEVATION SIMULATION



NM4 LAMY  
 SITE PHOTO  
 EXISTING NORTHWEST ELEVATION  
 JANUARY 20, 2016



NM4 LAMY  
 SITE PHOTO  
 NORTHWEST ELEVATION SIMULATION  
 JANUARY 20, 2016



NM4 LAMY  
 SITE PHOTO  
 EXISTING EAST ELEVATION  
 JANUARY 20, 2016



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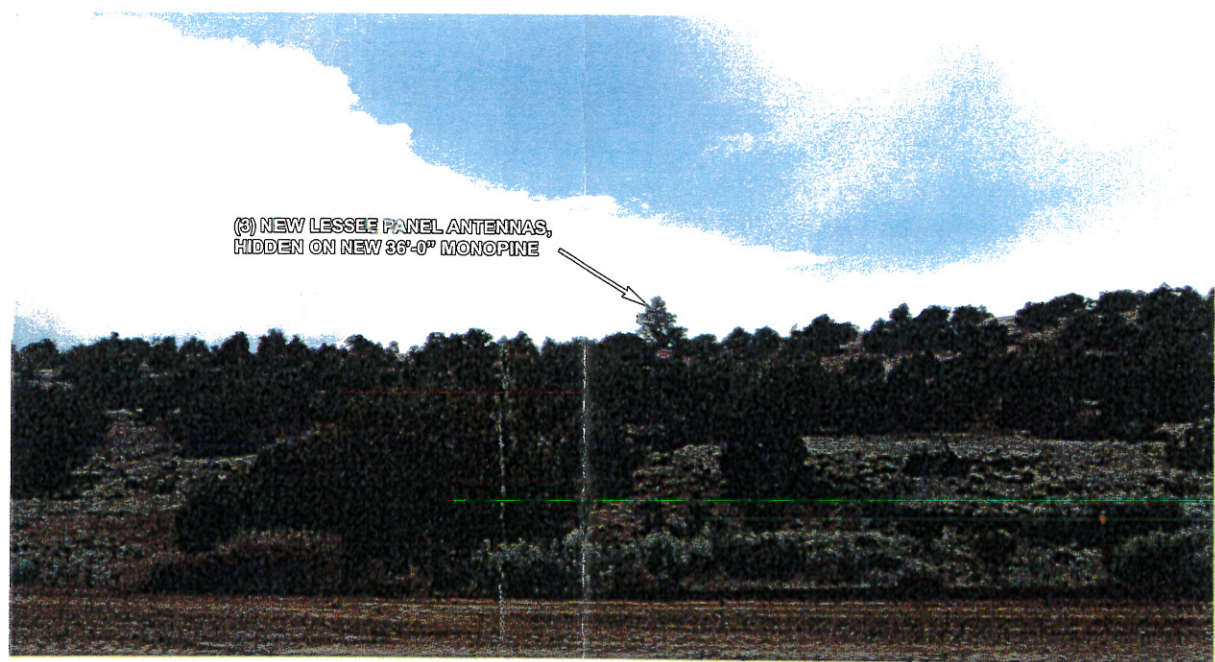
PHOTO  
 SIMULATION

SHEET NUMBER: C-6  
 REVISION: 0

NBA-25



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NM4 LAMY  
SITE PHOTO  
EAST ELEVATION SIMULATION  
JANUARY 20, 2016



NM4 LAMY  
SITE PHOTO  
EXISTING SOUTH ELEVATION  
JANUARY 20, 2016



NM4 LAMY  
SITE PHOTO  
SOUTH ELEVATION SIMULATION  
JANUARY 20, 2016



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PHOTO  
SIMULATION

SHEET NUMBER: C-7  
REVISION: 0

NBA-26