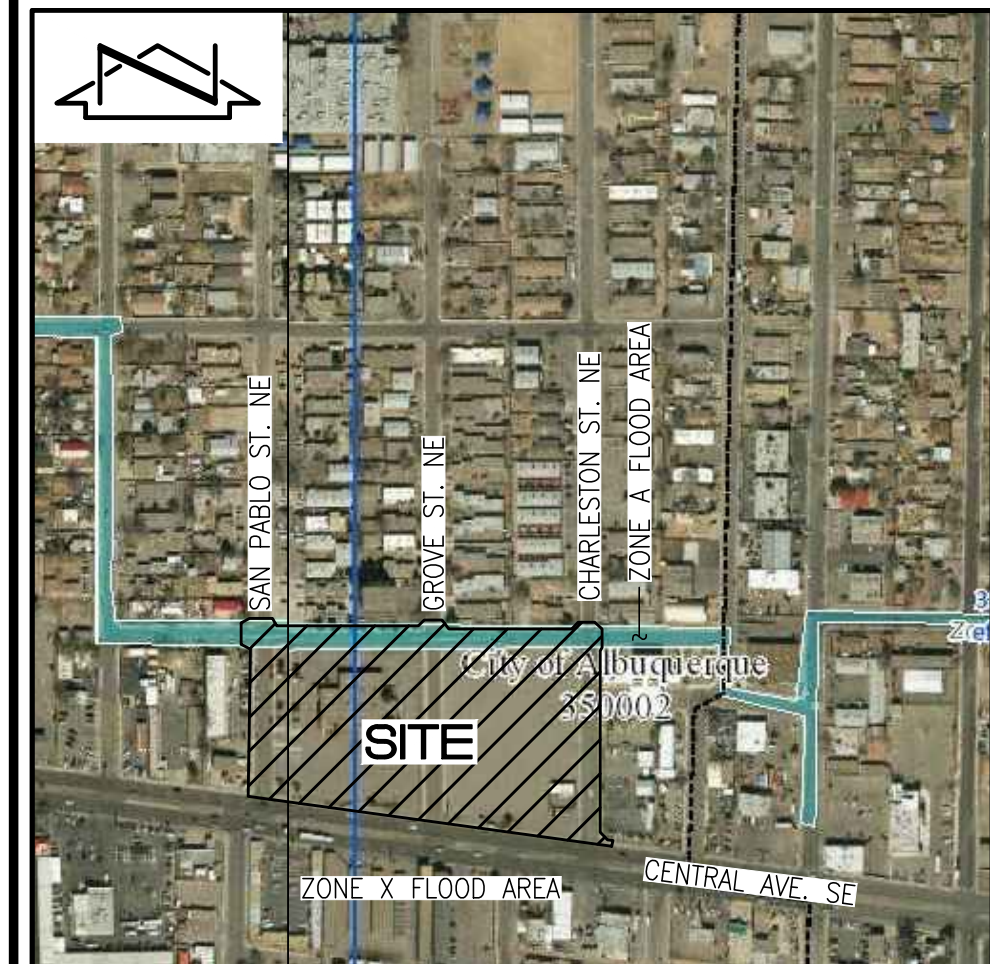


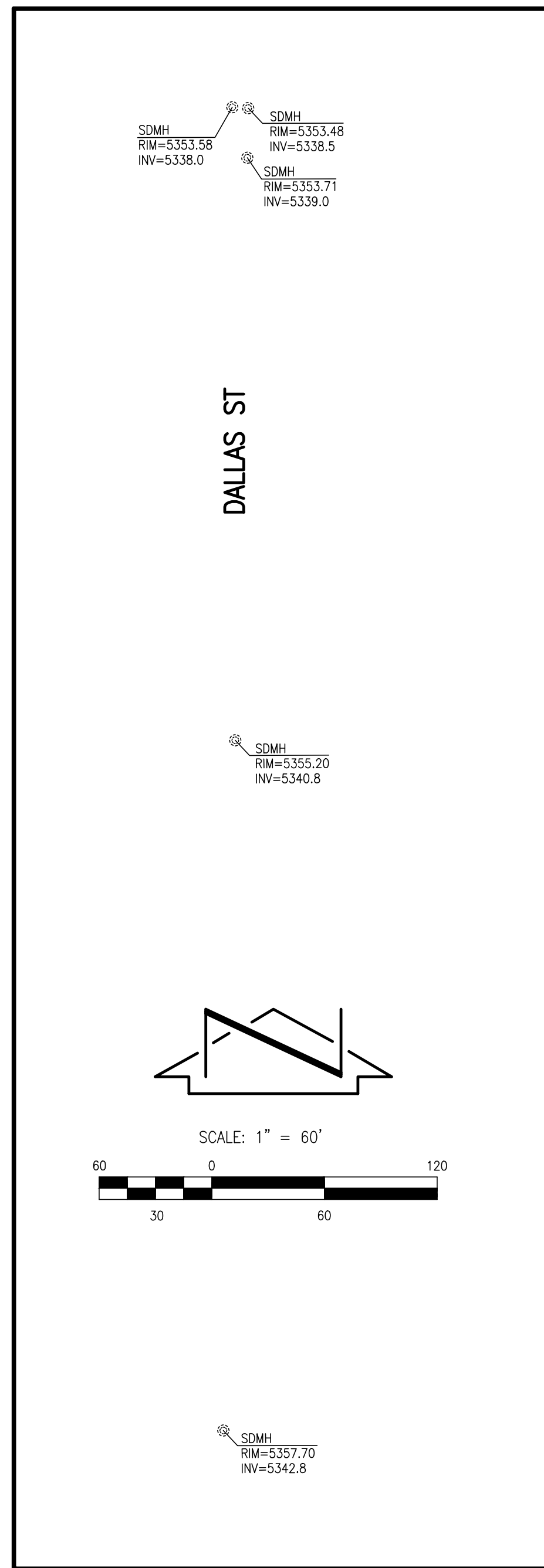


VICINITY MAP
NOT TO SCALE

FEDERAL EMERGENCY
MANAGEMENT AGENCY



F.I.R.M. PANEL 354 &
358 OF 825
SCALE: 1" = 500'
DATE 08-16-2012



OFFSITE DALLAS STORM DRAIN DIAGRAM

CONTROL SURVEY NOTE

A CONTROL SURVEY WAS CONDUCTED AT THE SITE ON APRIL 02, 2018. CONTROL WAS PROJECTED ONTO THE SUBJECT SITE UTILIZING RTK GPS OBSERVATIONS COMBINED WITH GEOID MODEL 12B TO ESTABLISH HORIZONTAL AND VERTICAL POSITIONS BASED UPON NAD 83/NAVD 88 DATUM. THE RTK OBSERVATIONS WERE USED TO ESTABLISH THE TEMPORARY BENCHMARKS AT THE PROJECT SITE.

THE POINTS OBSERVED HAVE BEEN QUALITY CONTROLLED FOR RELATIVE ACCURACY. AN AGRS BENCHMARK AND A SEPARATE HORIZONTAL CONTROL STATION IN THE VICINITY OF THE PROJECT WERE OBSERVED IN ORDER TO PROVIDE REFERENCE TIES TO THE SITE. ALL HORIZONTAL COORDINATES ARE MODIFIED NAD 83 GRID VALUES AND HAVE BEEN ADJUSTED TO THE GROUND AT THE PROJECTION POINT (THE SCALE FACTOR USED IS 1/CF=1.0003406029718). THE CONTROL STATION USED TO PROJECT FROM GRID TO GROUND FOR THIS PROJECT IS THE PROJECT BENCHMARK "7-K19" WITH NAD GRID COORDINATES OF:
NORTHING= 1,483,044.082 FEET
EASTING= 1,545,165.941 FEET
ELEVATION= 5325.987 FEET
THE ELEVATIONS ARE BASED UPON THE NAVD DATUM AND REQUIRE NO FURTHER ADJUSTMENT.

PROJECT BENCHMARK

AN AGRS BRASS DISK STAMPED "7-K19", SET IN A CONCRETE CYLINDER, ON THE NOSE OF THE ISLAND EAST OF THE INTERSECTION OF CENTRAL AVENUE AND LOUISIANA BOULEVARD.
ELEVATION = 5325.99 FEET (NAVD 1988)

TEMPORARY BENCHMARK #1 (T.B.M.)

A MAG NAIL IN ASPHALT PAVEMENT, AS SHOWN ON SHEET 4.
ELEVATION = 5350.56 FEET (NAVD 1988)

TEMPORARY BENCHMARK #2 (T.B.M.)

A MAG NAIL W/WASHER STAMPED "CARTESIAN SURVEYS PLS 14271" ALSO BEING THE NORTHWEST PROPERTY CORNER OF BLOCK 2, AS SHOWN ON SHEET 4.
ELEVATION = 5346.72 FEET (NAVD 1988)

TEMPORARY BENCHMARK #3 (T.B.M.)

A MAG NAIL W/WASHER STAMPED "CARTESIAN SURVEYS PLS 14271" ALSO BEING THE NORTHWEST PROPERTY CORNER OF BLOCK 3, AS SHOWN ON SHEET 4.
ELEVATION = 5350.44 FEET (NAVD 1988)

TEMPORARY BENCHMARK #4 (T.B.M.)

A MAG NAIL W/WASHER STAMPED "CARTESIAN SURVEYS PLS 14271" ALSO BEING THE NORTHEAST PROPERTY CORNER OF BLOCK 3, AS SHOWN ON SHEET 4.
ELEVATION = 5353.79 FEET (NAVD 1988)

TEMPORARY BENCHMARK #5 (T.B.M.)

A MAG NAIL W/WASHER STAMPED "CARTESIAN SURVEYS PLS 14271" ALSO BEING THE SOUTHEAST PROPERTY CORNER OF BLOCK 3, AS SHOWN ON SHEET 4.
ELEVATION = 5354.48 FEET (NAVD 1988)

KEYED NOTES

EASEMENT

- ① 16' RESERVATION FOR EASEMENTS FOR PUBLIC UTILITIES, WHETHER MUNICIPALLY OR PRIVATELY OWNED GRANTED BY DOCUMENT FILED 01-17-1968, MISC. BOOK 91, PAGES 695-696; TOGETHER WITH A 16' SEWER EASEMENT GRANTED BY PLAT C10-8

MONUMENTS

- Ⓐ FOUND MAG NAIL W/WASHER STAMPED "CARTESIAN SURVEYS PLS 14271" SET IN ASPHALT
- Ⓑ FOUND 1" IRON PIPE, (BENT), REPLACED WITH #5 REBAR W/CAP STAMPED "NEW MEXICO PS 11184"
- Ⓒ FOUND 1/2" REBAR, NO I.D., (BENT), REPLACED WITH #5 REBAR W/CAP STAMPED "NEW MEXICO PS 11184"

INDEX OF DRAWINGS

- 1. COVER SHEET, NOTES, VICINITY MAP, FLOOD PLAIN MAP, KEYED NOTES
- 2. DIGITAL ORTHOPHOTO WITH SUPERIMPOSED BOUNDARY
- 3. BOUNDARY SURVEY
- 4. TOPOGRAPHIC AND UTILITY SURVEY

BOUNDARY TABLE

LINE	DIRECTION	DISTANCE
L1	S 89°59'32" E	270.01'
(L1)	N 89°27" E	270'
L2	S 00°05'01" E	344.24'
(L2)	S 00°33" E	344.25'
L3	N 82°20'19" W	272.50'
(L3)	N 82°47" W	272.50'
L4	N 00°05'01" W	307.95'
(L4)	N 00°33" W	307.43'
L5	S 89°59'32" E	269.84'
(L5)	N 89°27" E	270'
L6	S 00°01'01" W	388.48'
(L6)	S 00°33" E	389.26'
L7	N 82°20'19" W	271.64'
(L7)	N 82°47" W	272.50'
L8	N 00°05'01" W	352.31'
(L8)	N 00°33" W	352.44'

LEGAL DESCRIPTION

THE REPLAT OF BLOCK 2 OF LOMA VERDE, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON February 19, 1974, PLAT BOOK B9, PAGE 50; TOGETHER WITH THE REPLAT OF BLOCK 3 OF LOMA VERDE, ALBUQUERQUE, NEW MEXICO, AS THE SAME IS SHOWN AND DESIGNATED ON THE PLAT FILED IN THE OFFICE OF THE COUNTY CLERK OF BERNALILLO COUNTY, NEW MEXICO ON JUNE 18, 1974, PLAT BOOK C10, PAGE 8.

NOTES:

- A BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY WAS PERFORMED IN APRIL, 2018. PROPERTY CORNERS WERE FOUND OR SET AS INDICATED.
- ALL DISTANCES ARE GROUND DISTANCES.
- SITE LOCATED WITHIN SECTION 19, TOWNSHIP 10 NORTH, RANGE 4 EAST, N.M.P.M.
- BEARINGS SHOWN HEREON ARE NEW MEXICO STATE PLANE GRID BEARINGS, CENTRAL ZONE (NAD 83). THESE BEARINGS ARE POSITIONED FROM AGRS CONTROL STATION "7-K19".
- RECORD BEARINGS AND DISTANCES ARE SHOWN IN PARENTHESIS.
- THIS SURVEY HAS BEEN PREPARED BASED UPON NAVD 88 DATUM. PREVIOUS SURVEYS OF THIS AREA CONDUCTED BY OTHER CONSULTANTS MAY HAVE BEEN CONDUCTED BASED UPON NGVD 29 DATUM. SPECIAL CARE SHOULD BE EXERCISED WHEN COMPARING ELEVATIONS FROM THIS SURVEY TO CURRENT AND PREVIOUS SURVEYS, PLANS AND AS-BUILT DOCUMENTS.**
- UTILITY INFORMATION SHOWN HEREON IS BASED UPON ONSITE SURFACE EVIDENCE, REVIEW OF AVAILABLE ABCVUA AND CITY OF ALBUQUERQUE RECORD DRAWINGS AND DISTRIBUTION MAPS AND UTILITY LINE-SPOTS PROVIDED BY HIGH MESA CONSULTING GROUP (2018.017.1). IN ADDITION, UTILITY LINE-SPOTS WERE REQUESTED VIA THE NEW MEXICO ON CALL SERVICE (TICKET NO. 18MA160146). UTILITY LINES SHOWN ON THIS DRAWING 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 SURVEYOR HAS CONDUCTED ONLY PRELIMINARY INVESTIGATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UTILITY LINES, PIPELINES, OR UNDERGROUND UTILITY LINES. THIS INVESTIGATION IS NOT CONCLUSIVE, AND MAY NOT BE COMPLETE, THEREFORE, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. THE PROPERTY OWNER, DEVELOPER, OR CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE, PIPELINE, OR UNDERGROUND UTILITY LINE OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. THE PROPERTY OWNER, DEVELOPER, OR 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, RULES AND REGULATIONS, IF ANY, PERTAINING TO THE LOCATION OF THESE LINES AND FACILITIES.
- THE FOLLOWING DOCUMENTS AND INSTRUMENTS WERE USED FOR THE PERFORMANCE AND PREPARATION OF THIS SURVEY:
 - PLAT OF THE REPLAT OF BLOCK 2 OF LOMA VERDE, FILED 02-19-1974, PLAT BOOK B9, PAGE 50, RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
 - PLAT OF THE REPLAT OF BLOCK 3 OF LOMA VERDE, FILED 06-18-1974, PLAT BOOK C10, PAGE 8, RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
 - BOUNDARY SURVEY OF THE REPLATS OF BLOCKS 2 AND 3, LOMA VERDE, PREPARED BY CARTESIAN SURVEYS INC. (NMPS 14271) DATED 11-09-2016 (UNRECORDED).
 - PLAT OF LOMA VERDE, FILED 07-27-1983, PLAT BOOK C21, PAGE 166, RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
 - PLAT OF LOMA VERDE, FILED 10-21-1941, PLAT BOOK C, PAGE 41, RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
 - PLAT OF FIREHOUSE NUMBER 5, FILED 09-22-2004, PLAT BOOK 2004C, PAGE 293, DOC. #2004133310, RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
 - SPECIAL WARRANTY DEED FILED 12-15-2016, DOC. #2016116939, RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
 - OWNER'S POLICY OF TITLE INSURANCE, POLICY NO. 0-9301-004139326, PREPARED BY STEWART TITLE GUARANTY COMPANY DATED 12-15-2016.
 - CITY COMMISSION VACATION ORDINANCE NO. 10-1968 (V-612), FILED 01-17-1968, BOOK MISC. 91, PAGES 695-696, RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
- THE PROPERTY SURVEYED HEREON IS SUBJECT TO THE RESERVATIONS CONTAINED IN THE PATENT FROM THE UNITED STATES OF AMERICA FILED 05-03-1900, BOOK 33, PAGE 12, RECORDS OF BERNALILLO COUNTY, NEW MEXICO.
- AN AREA IN THE NORTHERN PORTION OF THE PROPERTY SURVEYED HEREON, GENERALLY LOCATED WITHIN CHICO ROAD N.E., IS IN A SPECIAL FLOOD HAZARD AREA, ZONE A DESIGNATION WHICH IS FURTHER DESCRIBED AS "AREAS SUBJECT TO FLOODING BY THE 1% ANNUAL CHANCE FLOOD, NO BASE FLOOD ELEVATIONS DETERMINED"; THE REMAINING PORTION OF THE PROPERTY SURVEYED HEREON HAS A ZONE X DESIGNATION WHICH IS FURTHER DESCRIBED AS "AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN" BASED UPON REVIEW OF THE NATIONAL FLOOD INSURANCE PROGRAM, FLOOD INSURANCE RATE MAPS, PANEL 358 OF 825, MAP NO. 35001C0358H, DATED AUGUST 16, 2012.

SURVEYORS CERTIFICATION

I, CHARLES G. CALA, JR., NEW MEXICO PROFESSIONAL SURVEYOR NO. 11184, DO HEREBY CERTIFY; THAT THIS BOUNDARY, TOPOGRAPHIC AND UTILITY SURVEY AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT THE SURVEY SHOWS ALL EASEMENTS MADE KNOWN TO ME BY THIS OWNER, UTILITY COMPANIES, OR OTHER PARTIES EXPRESSING AN INTEREST; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO, AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Charles G. Cala, Jr.
CHARLES G. CALA, JR., NMPS 11184



April 30, 2018
DATE

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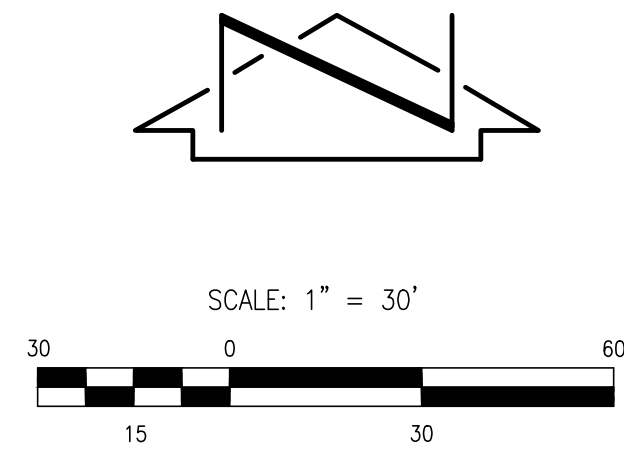


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SURVEYED BY	NO.	DATE	BY	REVISIONS		JOB NO.
				DESCRIPTION	DATE	
J.M.S./E.J.S.						2018.017.1
T.N.T./E.J.S.						DATE 04-2018
C.G.C.						SHEET 1 OF 4



File Name: P:\data\2018\2018.017.1\SR\20180171_BDN\dwg - SH 2 - Plot Date: 4/30/18 Plot Time: 14:24



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DIGITAL ORTHOPHOTO
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SITE SKETCH

SURVEYED BY <u>J.M.S.</u> DRAWN BY <u>T.N.T./E.J.S.</u> APPROVED BY <u>C.G.C.</u>	NO.			DATE			BY			REVISIONS			JOB NO. 2018.017.1
													DATE 04-2018
													SHEET 2 OF 4

BOUNDARY TABLE

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(L2)	S 00°33' E	344.25'
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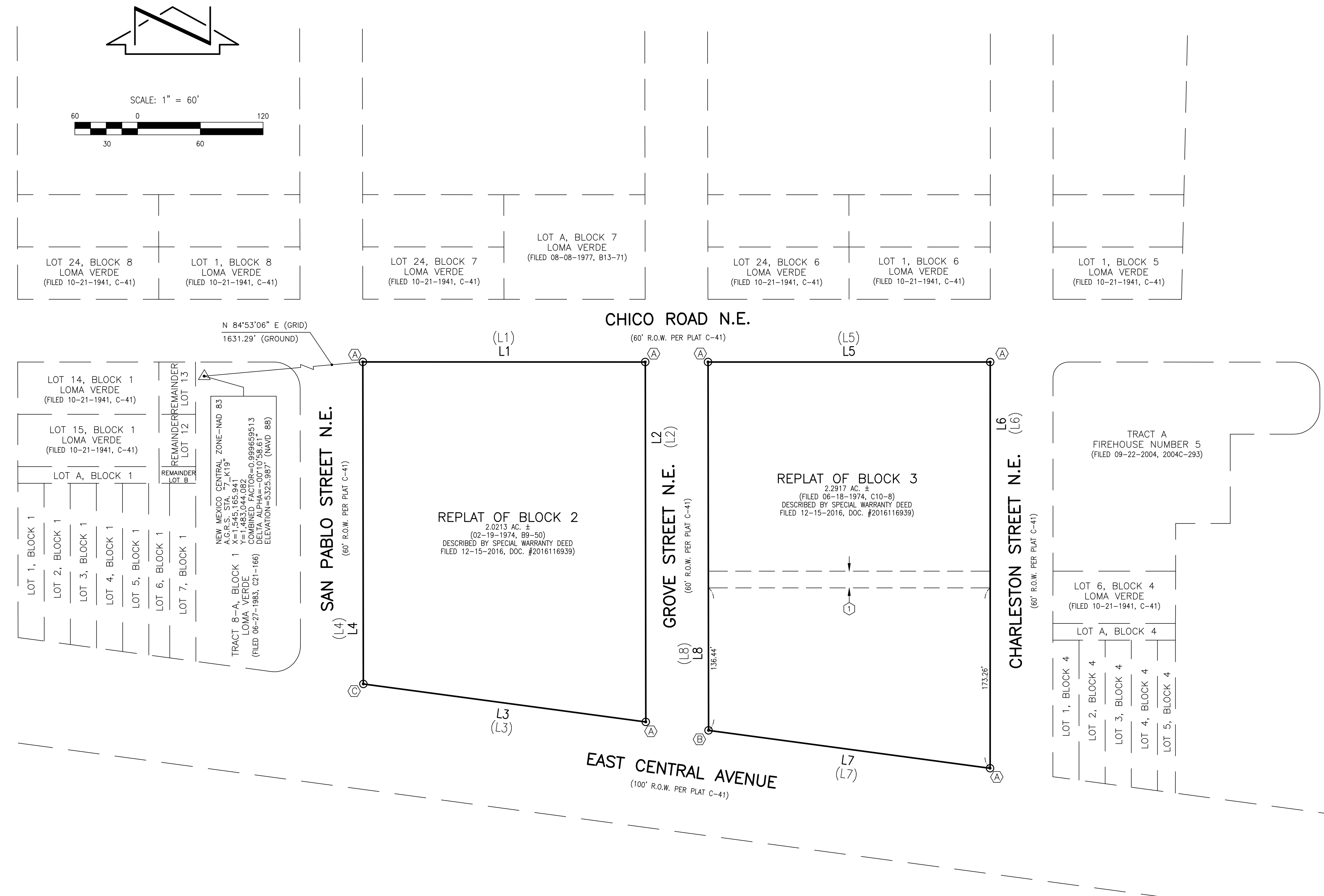
KEYED NOTES

EASEMENT

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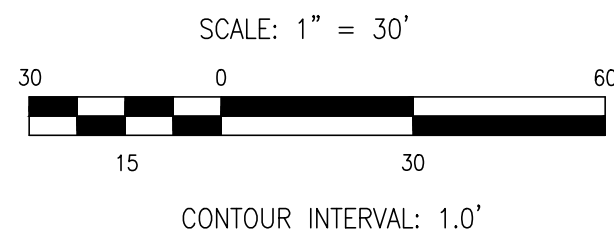
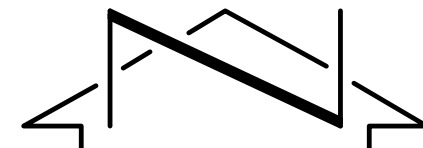


SITE SKETCH

BOUNDARY SURVEY
BLOCKS 2 AND 3 OF LOMA VERDE - INTERNATIONAL DISTRICT LIBRARY

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	DRAWN BY T.N.T./E.J.S.				DATE 04-2018
	APPROVED BY C.G.C.				SHEET 3 OF 4

File Name: P:\data\2018\2018.017.1\SUR\20180171_BDNV.dwg - SH 3 Plot Date: 4/30/18 Plot Time: 14:23



LEGEND

- ARV WATER AIR RELEASE VALVE
- ASPH ASPHALT
- BOH BUILDING OVERHANG
- C COMMUNICATION
- C&G CURB AND GUTTER
- C/PM COMMUNICATION BY PAINT MARK
- CC CONCRETE CURB
- CCD COMMUNICATION CONDUIT
- CCP CONCRETE CYLINDER PIPE
- CDP CONCRETE DRIVE PAD
- CI CONCRETE ISLAND
- CHC CONCRETE HEADER CURB
- CLF CHAINLINK FENCE
- CONC CONCRETE
- CSW CONCRETE SIDEWALK
- E/PM ELECTRIC BY PAINT MARK
- EA EDGE OF ASPHALT
- ECND ELECTRIC CONDUIT
- FH FIRE HYDRANT
- FL FLOWLINE
- G/PM GAS BY PAINT MARK
- GA GATE
- GRV GRAVEL
- GW GUY WIRE
- HC HANDICAP PARKING SPACE
- HCS HANDICAP SIGN
- INV INVERT ELEVATION
- LSO LANDSCAPE DIVIDER
- MCG MEDIAN CURB AND GUTTER
- MED MEDIAN
- MH MANHOLE
- MLP METAL LIGHT POLE
- MS METAL SIGN
- MTC METAL TRASH CAN
- OHC(2) OVERHEAD COMMUNICATION (# OF LINES)
- OHE(2) OVERHEAD ELECTRIC (# OF LINES)
- PI PAINTED ISLAND
- PS PARKING STRIPE
- PVC POLYVINYL CHLORIDE
- SAS SANITARY SEWER
- SGP STEEL GARAGE POST
- SP STEEL POLE
- STB STOP BAR
- SW SIDEWALK
- SWC SIDEWALK CULVERT
- TA TOP OF ASPHALT
- TC TOP OF CURB
- TCO TOP OF CONCRETE
- TRC TRASH CAN
- TS TRAFFIC SIGN
- TYP TYPICAL
- VG VALLEY GUTTER
- VCP VITRIFIED CLAY PIPE
- VRT VERTICAL RAILROAD TIES
- WCR WHEELCHAIR RAMP
- WL WATERLINE
- WL/PM WATERLINE BY PAINT MARK
- WL/RCD WATERLINE BY RECORD DRAWING
- WMB WATER METER BOX
- WPP WOOD POWER POLE
- WPP/C WOOD POWER POLE WITH CONDUIT
- WPP/L WOOD POWER POLE WITH STREET LIGHT
- WVB WATER VALVE BOX
- WS WHEEL STOP
- * PAINTED UTILITY MARKER
- 1.2" DIAMETER OF TREE
- DECIDUOUS TREE
- SMALL DECIDUOUS TREE
- CONIFEROUS TREE
- SMALL CONIFEROUS TREE
- SHRUB
- YUCCA
- LANDSCAPE ROCK/BOULDER

TEMPORARY BENCHMARK #1 (T.B.M.)

A MAG NAIL IN ASPHALT PAVEMENT, AS SHOWN ON THIS SHEET.
ELEVATION = 5350.56 FEET (NAVD 1988)

TEMPORARY BENCHMARK #2 (T.B.M.)

A MAG NAIL W/WASHER STAMPED "CARTESIAN SURVEYS PLS 14271" ALSO BEING THE NORTH WEST PROPERTY CORNER OF BLOCK 2, AS SHOWN ON THIS SHEET.
ELEVATION = 5346.72 FEET (NAVD 1988)

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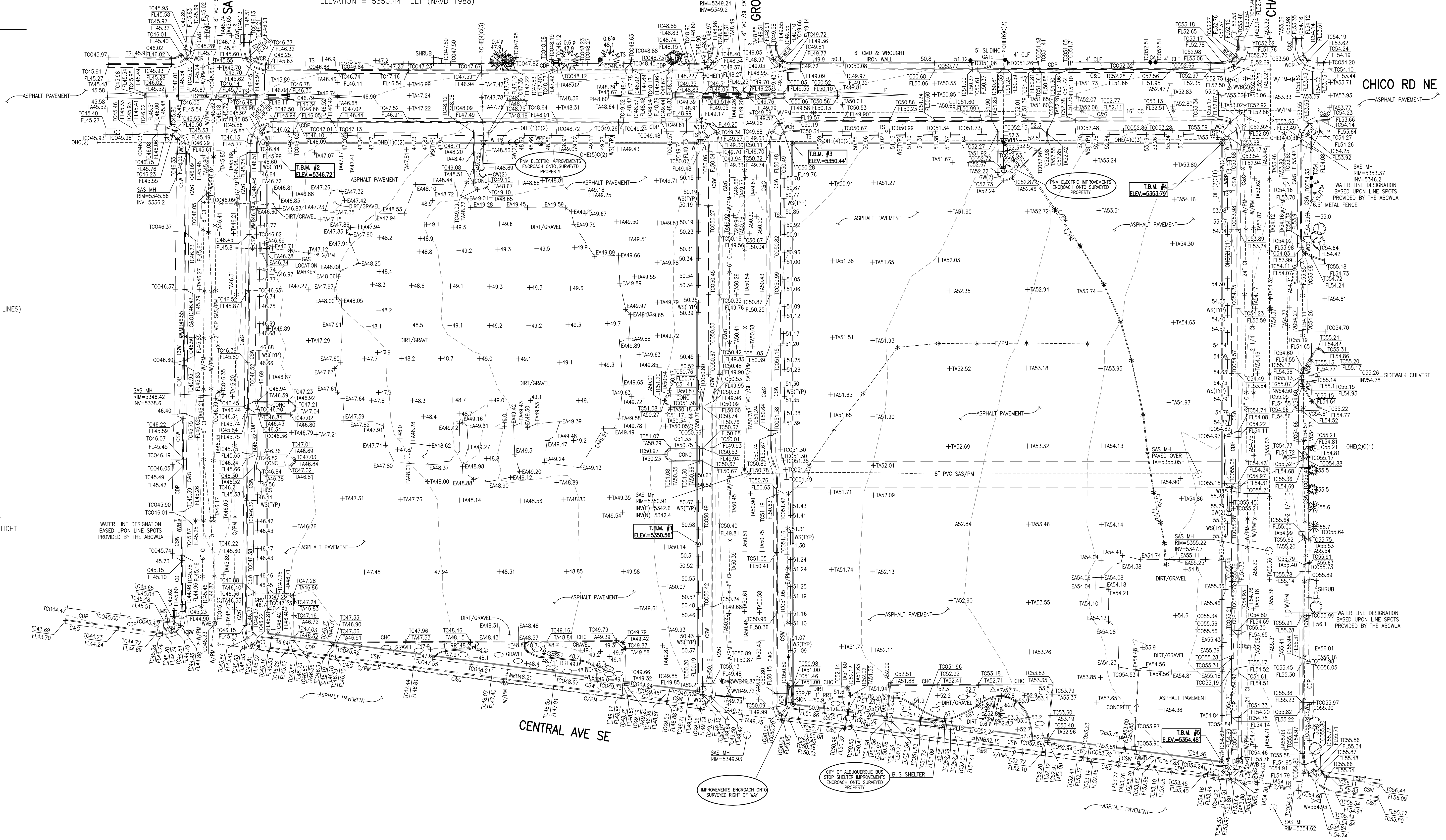
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A MAG NAIL W/WASHER STAMPED "CARTESIAN SURVEYS PLS 14271" ALSO BEING THE NORTH EAST PROPERTY CORNER OF BLOCK 3, AS SHOWN ON THIS SHEET.
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TEMPORARY BENCHMARK #5 (T.B.M.)

A MAG NAIL W/WASHER STAMPED "CARTESIAN SURVEYS PLS 14271" ALSO BEING THE SOUTH EAST PROPERTY CORNER OF BLOCK 3, AS SHOWN ON THIS SHEET.
ELEVATION = 5354.48 FEET (NAVD 1988)



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**TOPOGRAPHIC AND UTILITY SURVEY
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E.J.S./M.K.			04-2018			C.G.C.						2018.017.1		
DRAWN BY			DATE			APPROVED BY			SHEET			OF		
E.J.S.						C.G.C.			4			4		