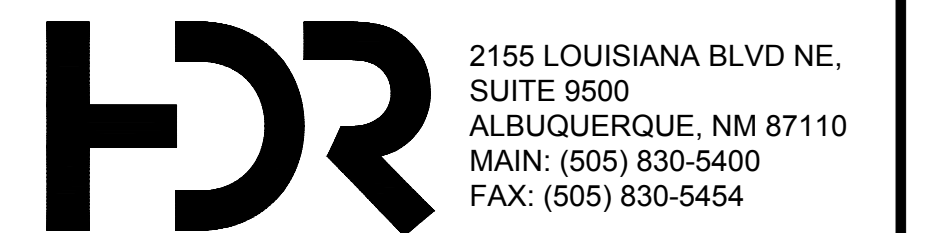





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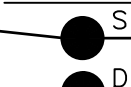
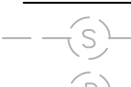
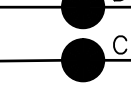

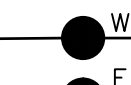



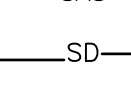

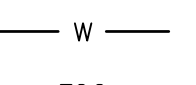

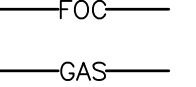
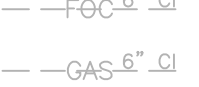
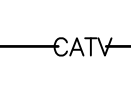

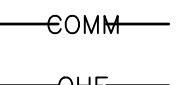

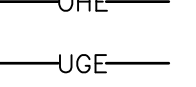

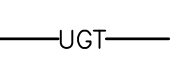







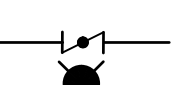

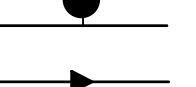

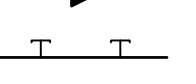

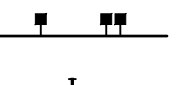

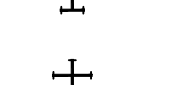

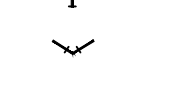
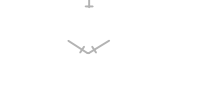
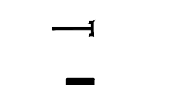

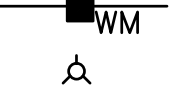



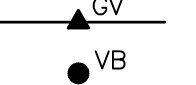

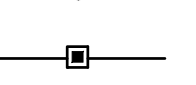







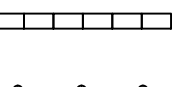

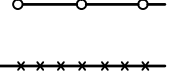

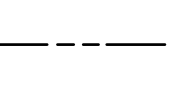



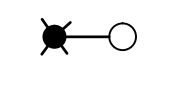
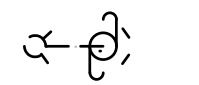

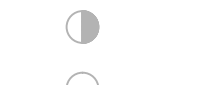








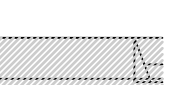

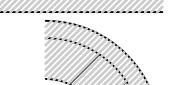









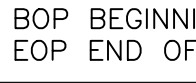







## SHEET INDEX

- 1 TITLE, LOCATION MAP AND SHEET INDEX
- 2 LEGEND, GENERAL NOTES, INCIDENTALS & UTILITY OWNERS
- 3 SUMMARY OF QUANTITIES
- 4 HORIZONTAL LAYOUT AND SURVEY CONTROL
- 5 REMOVALS AND ADJUSTMENTS
- 6 MISCELLANEOUS DETAILS
- 7 TYPICAL SECTIONS
- 8 PERMANENT SIGNING & STRIPING GENERAL NOTES & QUANTITIES
- 9 PERMANENT SIGNING & STRIPING PLAN



REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE		
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****				
		DRC Chairman			APPROVED FOR CONSTRUCTION				
		Transportation							
		Water/Wastewater							
		Hydrology							
		Parks			City Engineer                      Date				
		Constr. Mngmt.							
		Constr. Coord.							
City Project No.				Sheet		Of			
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PROPOSED	EXISTING	DESCRIPTION
		SANITARY SEWER MANHOLE
		STORM DRAIN MANHOLE
		COMMUNICATION MANHOLE
		WATER MANHOLE
		ELECTRIC MANHOLE
		SANITARY SEWER LINE w/SIZE & TYPE
		STORM DRAIN LINE w/SIZE & TYPE
		WATER LINE w/SIZE & TYPE
		FIBER OPTIC LINE w/SIZE & TYPE
		GAS LINE w/SIZE & TYPE
		CABLE FIBER OPTIC LINE w/SIZE & TYPE
		UNDERGROUND COMMUNICATION LINE
		OVERHEAD ELECTRIC
		UNDERGROUND ELECTRIC LINE w/SIZE & TYPE
		UNDERGROUND COMMUNICATIONS LINE w/SIZE & TYPE
		ENCASEMENT
		STORM INLET (GRADE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
		WATER VALVE
		GAS VALVE
		BUTTERFLY VALVE
		FIRE HYDRANT
		REDUCER
		SAS SERVICE CONNECTION
		WATER SERVICE CONNECTION
		TEES
		CROSSES
		BENDS
		CAPS & PLUGS
		WATER METER
		FIRE HYDRANT
		GAS METER
		GAS RISER
		VALVE BOX
		TELEPHONE RISER
		TELEPHONE BOOTH
		FIRE ALARM BOX
		CURB & GUTTER
		SIDEWALK
		BLOCK WALL
		CHAIN LINK FENCE
		FIELD FENCE
		RIGHT OF WAY LINES
		PROPERTY LINES(SIDE)
		PUBLIC EASEMENT
		POWER POLE W/LIGHT
		LIGHT POLE
		ELECTRIC POLE
		TELEPHONE BOX
		COMMUNICATION TPED
		STREET LIGHT ELECTRIC BOX
		TRAFFIC SIGNAL ELECTRIC BOX
		CABLE ELECTRIC BOX
		COMMUNICATION ELECTRIC BOX
		DRIVEPAD
		MOBILITY IMPAIRED ACCESS RAMP
		C.O.A. PROJECT CONTROL POINT OR A.C.S. MONUMENT DO NOT DISTURB TEST BORING
		HORIZ. & VERT. CONTROL
ABBREVIATIONS		
		BOC BEGINNING OF CONSTRUCTION
		EOC END OF CONSTRUCTION
		TOC TOP OF CURB ELEVATION
		BOP BEGINNING OF PROJECT
		EOP END OF PROJECT

- GENERAL NOTES
- THE CONTRACTOR SHALL PROVIDE INGRESS AND EGRESS TO LOCAL BUSINESSES AND RESIDENCES FOR THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL ADVISE OF AND SCHEDULE ACCESS CLOSURES, AT LEAST 24 HOURS IN ADVANCE, WITH PROPERTY OWNERS AND THE CONSTRUCTION PROJECT MANAGER.
  - IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 343.03, "EXISTING PAVEMENT, ASPHALT, CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL." AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
  - NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE.
  - SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS.
  - THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF 35 TON NON-VIBRATING ROLLER MAXIMUM TO OBTAIN THE REQUIRED COMPACTION IN PAVEMENT STRUCTURE, ROADWAY BACKFILL, EMBANKMENT, AND SUBGRADES IN URBAN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.
  - ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1988 EDITION THROUGH UPDATE NO.9, OR AS MODIFIED BY THE PROJECT SPECIFICATIONS TITLED 12TH STREET AND SAWMILL ROAD INTERSECTION IMPROVEMENT, AS STATED IN THE SPECIAL PROVISIONS.
  - TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 811, FOR LOCATION OF EXISTING UTILITIES.
  - ALL NEW STREET PAVING, CURB AND GUTTER, SIDEWALKS OR DRIVE PADS SHALL MATCH THE ELEVATIONS OF ABUTTING EXISTING AREAS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER.
  - THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE ACTIVITIES TO ALLOW ADDITIONAL CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY UTILITY COMPANY WORK CREWS.
  - WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAW CUT, TO FULL PAVEMENT DEPTH, THE EXISTING PAVEMENT TO A NEAT VERTICAL STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. THIS WORK SHALL BE PAID UNDER ITEM 336.024, "ASPHALT CONCRETE, 3 INCH THICK, SUPERPAVE".
  - THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, TRAIL OR SIDEWALK, CONCRETE BEYOND SAWCUT, AND SIGNAGE AT BACK OF PROPOSED DRIVEPAD DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER CITY OF ALBUQUERQUE STANDARDS AT CONTRACTOR'S OWN EXPENSE.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT CONTRACTOR'S OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION.
  - CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON-SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
  - OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
  - THE CONTRACTOR SHALL TAKE PRECAUTIONS TO PROTECT HORIZONTAL AND VERTICAL CONTROL SURVEY MONUMENTS, AS SHOWN ON SHEETS, PRIOR TO INITIATING CONSTRUCTION. IF DURING THE COURSE OF CONSTRUCTION OPERATIONS, THE CONTRACTOR DISTURBS OR DESTROYS A MONUMENT, THE CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR. THE MONUMENT SHALL ONLY BE REPLACED BY THE CITY SURVEY SECTION AT THE CONTRACTOR'S EXPENSE.
  - THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN RIGHT OF WAY UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO ITEM 621.401 "CONSTRUCTION MOBILIZATION, COMPL." AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
  - THROUGHOUT THE LIFE OF THIS PROJECT, THE CONTRACTOR SHALL KEEP THE LOCAL NEWS MEDIA INFORMED OF CONSTRUCTION ACTIVITIES WHICH WILL IMPEDE OR DISRUPT THE NORMAL FLOW OF TRAFFIC. THIS IS TO BE CONSIDERED INCIDENTAL TO ITEM 19.01 "CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL." AND NO ADDITIONAL PAYMENT WILL BE MADE.
  - THE CONTRACTOR SHALL MAINTAIN AN UP TO DATE SET OF AS-BUILT PLANS FOR THE PROJECT. THESE PLANS SHALL BE KEPT CURRENT, WITHIN TWO WEEKS AT ALL TIMES AND SHALL BE SUBJECT TO REVIEW BY THE PROJECT MANAGER THROUGHOUT THE PROJECT AND WILL BE REVISED BY THE PROJECT MANAGER FOR ACCURACY AND COMPLETENESS AT LEAST ONCE EVERY 30 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER PRIOR TO FINAL PAYMENT. THIS IS TO BE CONSIDERED INCIDENTAL TO ITEM 621.401 "CONSTRUCTION MOBILIZATION, COMPL." AND NO ADDITIONAL PAYMENT WILL BE MADE.
  - THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH ITEMS. THIS IS TO BE CONSIDERED INCIDENTAL TO ITEM 343.08 "EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE & DISPOSE, COMPL." AND NO ADDITIONAL PAYMENT WILL BE MADE.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL PERMANENT SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA. THIS IS TO BE CONSIDERED INCIDENTAL TO ITEM 19.01 "CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL." AND NO ADDITIONAL PAYMENT WILL BE MADE.
  - CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO EXCAVATION. LOCATIONS SHOWN ON PLANS ARE FOR INFORMATION ONLY. THIS IS TO BE CONSIDERED INCIDENTAL TO ITEM 4.02 "CONSTRUCTION SURVEYING, COMPL." AND NO ADDITIONAL PAYMENT WILL BE MADE.
  - ALL EXCAVATION, TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 1926.650 SUBPART P.
  - SALVAGEABLE MATERIALS FROM THE PROJECT SHALL BE HAULED TO THE CITY OF ALBUQUERQUE PINO YARDS. HAUL OF THE MATERIAL SHALL BE PERFORMED DURING NORMAL WORKING HOURS AS DIRECTED BY THE PROJECT MANAGER. THIS IS TO BE CONSIDERED INCIDENTAL TO ITEM 450.101 "SIGN, POST, & BASE POST, REMOVE & SALVAGE, COMPL." AND NO ADDITIONAL PAYMENT WILL BE MADE.
  - CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY. THIS IS TO BE CONSIDERED INCIDENTAL TO ITEM 19.01 "CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL." AND NO ADDITIONAL PAYMENT WILL BE MADE.
  - REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT.
  - MAINTENANCE OF THE DROP INLET PROTECTION SHALL BE CONSIDERED INCIDENTAL TO BID ITEM 603251 "DROP INLET PROTECTION TYPE II" AND NO ADDITIONAL PAYMENT WILL BE MADE.
  - OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES.
  - CONTRACTORS SHALL PROMPTLY CLEAN UP ANY MATERIAL EXCAVATION WITHIN THE PUBLIC RIGHT-OF-WAY ROADWAY EASEMENTS SO THAT THE EXCAVATION MATERIAL NOT SUSCEPTIBLE TO BEING WASHED DOWN THE STREET OR INTO ANY PUBLIC DRAINAGE FACILITY.
  - TRAFFIC CONTROL PLANS SHALL BE PER COA STANDARDS AND MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES).
  - TACK COAT AND PRIME COAT ARE INCIDENTAL TO ITEM 336.024 "ASPHALT CONCRETE, 3 INCH THICK, SUPERPAVE" AND NO ADDITIONAL PAYMENT WILL BE MADE.
  - CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ALL COSTS FOR THE REPAIR OF ANY AND ALL DAMAGE TO THE WORK OR TO ANY UTILITY (WHICH IS PREVIOUSLY KNOWN AND DISCLOSED BY THE UTILITY) AS MAY BE CAUSED BY THEIR OPERATIONS. UTILITIES NOT SHOWN ON THE DRAWINGS TO BE RELOCATED OR ALTERED SHALL BE PROTECTED AND MAINTAINED BY CONTRACTOR. UTILITIES WHICH ARE RELOCATED BY OTHERS IN ORDER TO AVOID INTERFERENCE WITH STRUCTURES AND WHICH CROSS THE WORK SHALL BE MAINTAINED IN THEIR RELOCATED POSITIONS BY CONTRACTOR. ALL COSTS FOR SUCH WORK SHALL BE AT CONTRACTOR'S EXPENSE WITHOUT CHANGE IN THE CONTRACT PRICE. REFER COA SPEC SECTION 18.4.1.

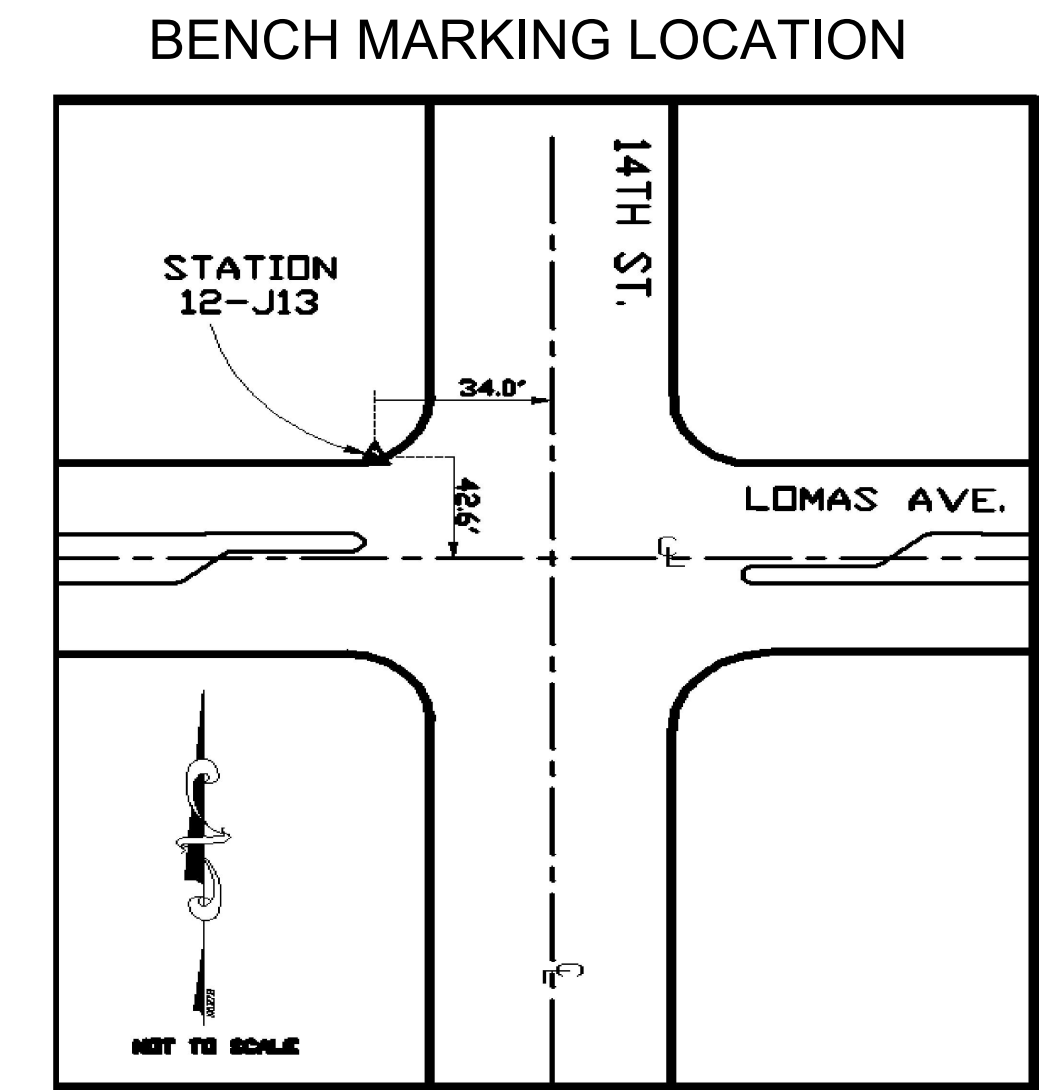
UTILITY CONTACTS		
DAMIAN G. LUNA	OFFICE PHONE: (505) 289-3031 OFFICE FAX: 289-3060 CELL. PHONE: 414-5695 DLUNA@ABCWUA.ORG	ALBUQUERQUE, BERNALILLO COUNTY WATER UTILITY AUTHORITY P.O. BOX 568 ALBUQUERQUE, NM 87103
MOYER, MIKE	OFFICE PHONE: (505) 241-3697 OFFICE FAX: (505) 241-3415 CELL. PHONE: (505) 249-5712 MIKE.MOYER@PNM.COM	PNM ELECTRIC 4625 EDITH BLVD. NE ALBUQUERQUE, NM 87107
HERRERA, JOE	OFFICE PHONE: (505) 697-6802 OFFICE FAX: (505) 344-0091 CELL. PHONE: (505) 401-7642 JHERRERA@TECOENERGY.COM	NEW MEXICO GAS COMPANY 4625 EDITH BLVD. NE ALBUQUERQUE, NM 87107
KELLY, SEAN	OFFICE PHONE: (505) 842-2838 OFFICE FAX: (505) 842-2890 CELL. PHONE: (505) 200-1994 SK1561@ATT.COM	AT&T 111 3RD STREET NW ALBUQUERQUE, NM 87102
MORTUS, MIKE	OFFICE PHONE: (505) 761-6252 OFFICE FAX: (505) 761-0599 CELL: (505) 269-4006 MIKE_MORTUS@CABLE.COMCAST.COM	COMCAST 4611 MONTBEL PLACE NE ALBUQUERQUE, NM 87107
ADAMS, MARK	OFFICE PHONE: (505) 938-7326 CELL: (505) 238-0073 MARK.ADAMS@LEVEL3.COM	TW TELECOM OF NEW MEXICO LLC 3830 SINGER BLVD NE SUITE 2000 ALBUQUERQUE, NM 87109
MARTINEZ, ROBERT	OFFICE PHONE: (505) 217-0038 OFFICE FAX: (505) 217-0048 CELL. PHONE: (505) 228-3329 ROBERT.MARTINEZ@WINDSTREAM.COM	WINDSTREAM 505 MARQUETTE NW SUITE 1600 ALBUQUERQUE, NM 87102
PAPPAS, DENNIS	OFFICE PHONE: (505) 245-6165 OFFICE FAX: (505) 889-6542 CELL. PHONE: (970) 980-3730 DENNIS.PAPPAS@CENTURYLINK.COM	CENTURY LINK DIRECTOR-NETWORK OPS 4301 BOGAN NE ALBUQUERQUE, NM 87109
MELENDREZ, JOHN	OFFICE PHONE: (505) 245-6124 CELL. PHONE: (575) 312-4353 JOHN.MELENDEZ@CENTURYLINK.COM	CENTURY LINK 400 TIJERAS AVE NW ALBUQUERQUE, NM 87102
INCIDENTAL ITEMS		
<ul style="list-style-type: none"><li>CORRECTION OF PAVEMENT DROP-OFF. SEE GENERAL NOTE 2, THIS SHEET</li><li>MATCH EXISTING PAVEMENTS. SEE GENERAL NOTE 10, THIS SHEET</li><li>CLEAR ZONE SHIELDING, SEE GENERAL NOTE 16, THIS SHEET</li><li>LOCAL MEDIA INFORMED OF CONSTRUCTION, SEE GENERAL NOTE 17, THIS SHEET</li><li>MAINTAINING AS-BUILTS, SEE GENERAL NOTE 18, THIS SHEET</li><li>DISPOSING OF ALL DEBRIS, SEE GENERAL NOTE 19, THIS SHEET</li><li>PROVIDE AND MAINTAIN ALL SIGNING, SEE GENERAL NOTE 20, THIS SHEET</li><li>FIELD VERIFY EXISTING UTILITY LOCATIONS, GENERAL NOTE 21, THIS SHEET</li><li>SALVAGEABLE MATERIAL, SEE GENERAL NOTE 23, THIS SHEET</li><li>GRAFFITI FREE WORK SITE, SEE GENERAL NOTE 24, THIS SHEET</li><li>MAINTENANCE OF DROP INLET PROTECTION, GENERAL NOTE 26, THIS SHEET</li><li>TACK COAT AND PRIME COAT, GENERAL NOTE 30, THIS SHEET</li></ul>		
BENCH MARKS		
CITY OF ALBUQUERQUE SURVEY CONTROL		
3 1/4" ALUM. DISK STAMPED "12-J13".		
ELEVATION = 4,957.80 FEET (NAVD 88)		
VERTICAL DATUM REFERENCED TO NAD 83		
1983 NEW MEXICO CENTRAL ZONE.		
COMBINED GROUND TO GRID FACTOR IS		
0.99967976, SCALED AROUND 0.0		
NORTHING (US SURVEY FEET): 1489275.004		
EASTING (US SURVEY FEET): 1517188.92		
SURVEY INFORMATION		
FIELD NOTES		
NO. BY DATE		
REMARKS		
REVISIONS		
BY DATE		
DESIGNED BY: CZ DATE: 06/2017		
DRAWN BY: CZ DATE: 06/2017		
CHECKED BY: MPG DATE: 06/2017		
ENGINEER'S SEAL		
MATTHEW P. GRUSH NEW MEXICO 16906 LICENSED PROFESSIONAL ENGINEER JUNE 28, 2017		
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION		
TITLE: 12TH STREET AND SAWMILL ROAD INTERSECTION IMPROVEMENT LEGEND, GENERAL NOTES, INCIDENTALS & UTILITY OWNERS		
Design Review Committee		City Engineer Approval
Last Design Update		Mo./Day/Yr.
Mo./Day/Yr.		Mo./Day/Yr.
Mo./Day/Yr.		Mo./Day/Yr.
Mo./Day/Yr.		Mo./Day/Yr.
Mo./Day/Yr.		Mo./Day/Yr.
City Project No. 5413.92		Zone Map No. J-13
Sheet 2		Of 9

12TH STREET AND SAWMILL ROAD SUMMARY OF QUANTITIES (ESTIMATE)				
ITEM NO.	DESCRIPTION	UNIT	TOTAL	USE
4.01	CONSTRUCTION STAKING, COMPL.	LS	LS	LS
4.02	CONSTRUCTION SURVEYING, COMPL.	LS	LS	LS
6.01	CONSTRUCTION PROJECT SIGN, PER CONTRACT SPECIAL PROVISIONS, CIP.	EA	2	2
19.01	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.	LS	LS	LS
301.02	SUBGRADE PREP. 12" AT 95% COMPACTION, CIP.	SY	69.10	75
302.01	AGGREGATE BASE COURSE, CRUSHED, 6" AT 95% COMPACTION, CIP. SD 2408	SY	69.10	75
336.023	ASPHALT CONCRETE, 2-1/2 INCH THICK, SUPERPAVE	SY	207.29	210
340.06	CURB & GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, CIP. SD 2408	LF	93.03	100
340.061	CURB & GUTTER, MOUNTABLE MEDIAN, PC CONCRETE, INCL. SUBGRADE PREP., CIP. SD 2415	LF	93.28	100
340.3	4" MEDIAN PAVEMENT, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE COMPACTION. CIP.	SY	78.97	80
343.03	EXISTING PAVEMENT, ASPHALT CONCRETE, MORE THAN 4" THICK, SAWCUT, REMOVE & DISPOSE, COMPL.	SY	169.82	180
343.08	EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE & DISPOSE, COMPL	LF	128.67	130
441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, CIP.	LF	2133	2140
441.002	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 6" WIDTH, CIP.	LF	1391	1400
441.003	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 6"-WIDTH, CIP. 8" wide	LF	447	450
441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, CIP.	LF	24	30
441.01	REFLECTORIZED PLASTIC ARROW, RIGHT, CIP.	EA	2	2
441.02	REFLECTORIZED PLASTIC WORD, ONLY, CIP.	EA	1	1
441.031	REFLECTORIZED PLASTIC SYMBOL, BICYCLE, CIP.	EA	4	4
443.101	REMOVAL OF PAVEMENT STRIPE, ANY WIDTH, PAINTED OR PLASTIC, COMPL.	LF	1378.47	1400
443.102	REMOVAL OF PAVEMENT ARROW, SYMBOL, OR WORD, PAINTED OR PLASTIC, COMPL.	EA	4	4
450.001	ALUMINUM PANEL SIGN, CIP.	SF	34.25	35
450.01	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM PANEL SIGN, CIP.	LF	74	80
450.101	SIGN, POST, & BASE POST, REMOVE & SALVAGE, COMPL.	EA	2	2
621.401	CONSTRUCTION MOBILIZATION, COMPL.	LS	LS	LS
603251	DROP INLET PROTECTION TYPE II	EA	2	2
703205	TUBULAR FLEXIBLE TRAFFIC MARKER	EA	9	9

	2155 LOUISIANA BLVD NE, SUITE 900 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454								
CITY OF ALBUQUERQUE									
MUNICIPAL DEVELOPMENT DEPARTMENT									
TRANSPORTATION DEVELOPMENT DIVISION									
TITLE: 12TH STREET AND SAWMILL ROAD INTERSECTION IMPROVEMENT									
SUMMARY OF QUANTITIES									
Design Review Committee		City Engineer Approval		Last Design Update	Mo./Day/Yr.		Mo./Day/Yr.		
City Project No. <div style="font-size: 2em; font-weight: bold;">5413.92</div>				Zone Map No. <div style="font-size: 2em; font-weight: bold;">J-13</div>		Sheet <div style="font-size: 2em; font-weight: bold;">3</div>		Of <div style="font-size: 2em; font-weight: bold;">9</div>	



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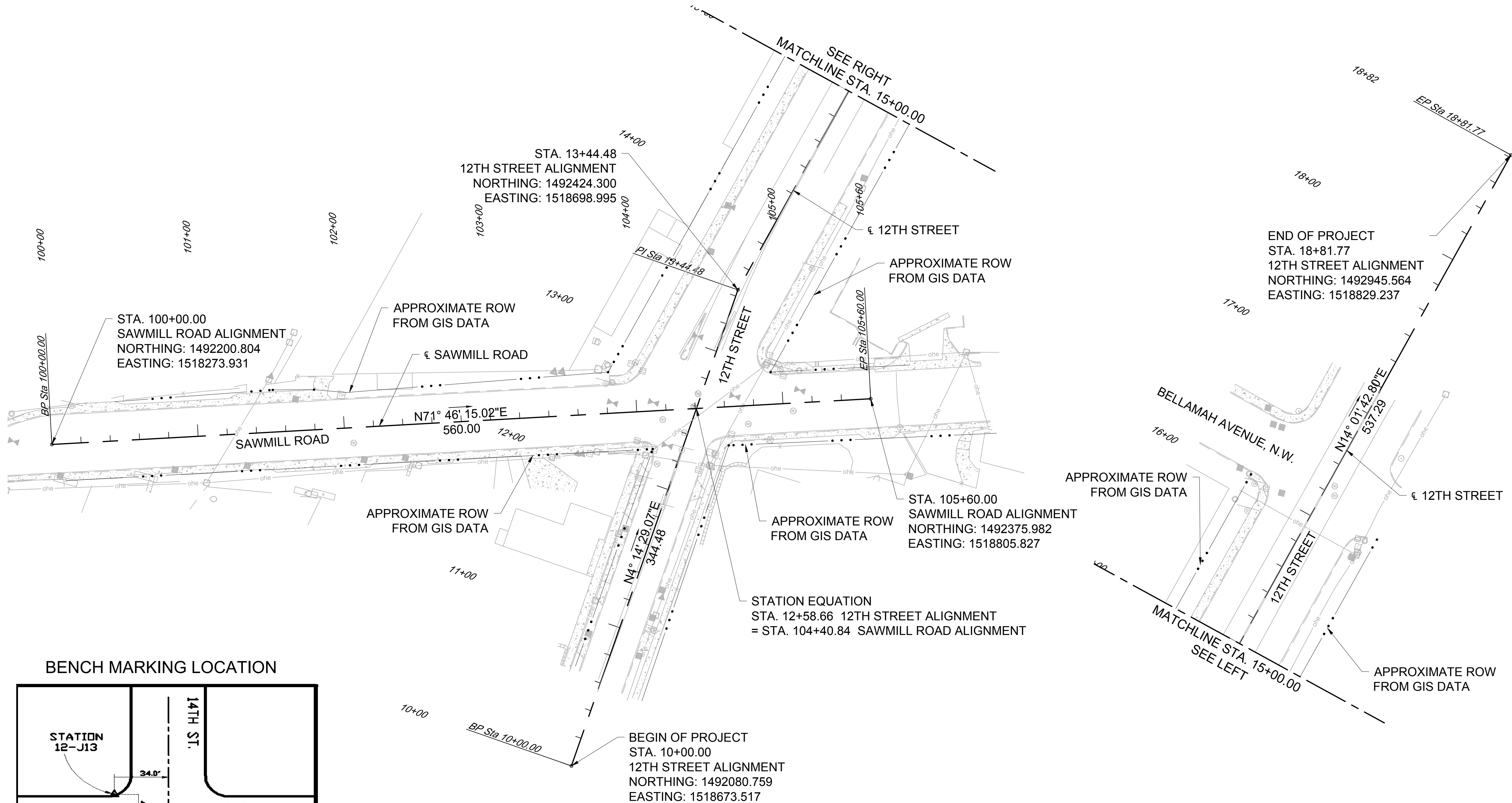


DESCRIPTION:

THE STATION IS LOCATED 0.7 MILES NORTHWEST OF DOWNTOWN ALBUQUERQUE.

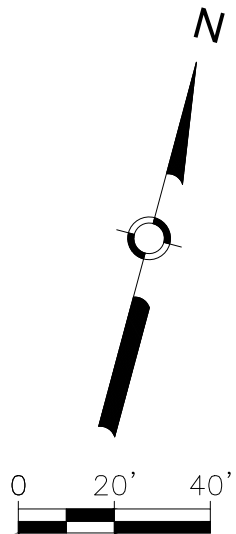
TO REACH THE STATION FROM THE INTERSECTION OF CENTRAL AVENUE AND 14TH STREET, TRAVEL NORTH ON 14TH STREET 0.8 MILE TO LOMAS BOULEVARD AND THE STATION ON THE LEFT IN THE NORTHWEST QUADRANT OF THE INTERSECTION.

THE STATION MARK IS A CITY OF ALBUQUERQUE SURVEY CONTROL 3 1/4 INCH ALUMINUM DISC STAMPED 12-J13 1983 SET FLUSH WITH TOP OF THE CURB.



**SYMBOL LEGEND**

- |   |                             |   |                               |
|---|-----------------------------|---|-------------------------------|
| ⊙ | NMDOT BRASS CAP             | ⊙ | SAS CLEAN OUT                 |
| ⊙ | FND. REBAR W/CAP (AS NOTED) | ⊙ | STORM MANHOLE                 |
| ⊙ | FND. REBAR (AS NOTED)       | ⊙ | DROP INLET                    |
| ⊠ | TELEPHONE PEDESTAL          | ⊠ | WATER METER                   |
| ⊠ | TELEPHONE PULL BOX          | ⊠ | WATER VALVE                   |
| ⊙ | TELEPHONE MANHOLE           | ⊙ | FIRE HYDRANT                  |
| ⊙ | CABLE TV PEDESTAL           | ⊙ | SIGN                          |
| ⊠ | POWER POLE                  | ⊙ | TREE                          |
| ▲ | DEAD MAN ANCHOR             | ⊙ | GATE                          |
| ⊙ | ELECTRIC MANHOLE            | ⊙ | TRAFFIC SIGNAL                |
| ⊠ | ELECTRIC PEDESTAL           | ⊙ | MAILBOX                       |
| ☆ | LIGHT POLE                  | ⊙ | OVERHEAD POWER                |
| ⊙ | JUNCTION BOX                | ⊙ | WIRE FENCE                    |
| ⊠ | GAS REGULATOR               | ⊙ | CHAIN LINK FENCE              |
| ⊠ | GAS METER                   | ⊙ | UNDERGROUND GAS LINE          |
| ⊙ | SANITARY SEWER MANHOLE      | ⊙ | WALL                          |
|   |                             | ⊙ | APPROXIMATE ROW FROM GIS DATA |



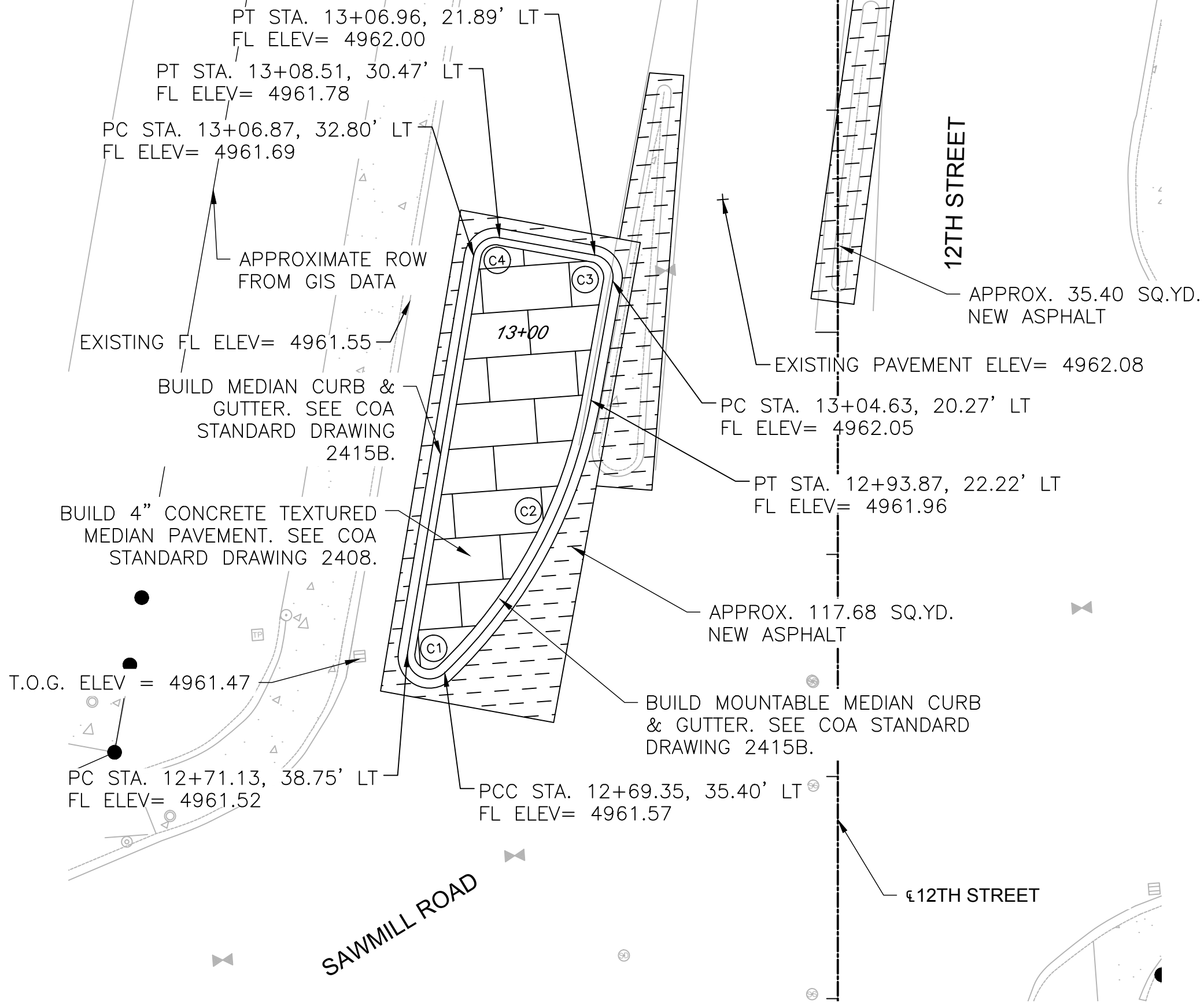
<b>HDR</b> 2155 LOUISIANA BLVD NE, SUITE 9500 ALBUQUERQUE, NM 87110 MAIN: (505) 830-5400 FAX: (505) 830-5454	
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT TRANSPORTATION DEVELOPMENT DIVISION	
TITLE: 12TH STREET AND SAWMILL ROAD INTERSECTION IMPROVEMENT	
HORIZONTAL LAYOUT AND SURVEY CONTROL	
Design Review Committee	City Engineer Approval
City Project No. 5413.92	Zone Map No. J-13
Sheet 4	Of 9

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		NO.	DATE	CONTRACTOR	DATE	NO.	DATE
		BY	DATE	CITY OF ALBUQUERQUE SURVEY CONTROL	DATE	CONTRACTOR	DATE
		REMARKS	DATE	3 1/4" ALUM. DISC STAMPED "12-J13"	DATE	CONTRACTOR	DATE
		REVISIONS	DATE	ELEVATION = 4,957.50 FEET (NAVD 88)	DATE	CONTRACTOR	DATE
		HDR ENGINEERING INC.	DATE	VERTICAL DATUM REFERENCED TO NAD	DATE	CONTRACTOR	DATE
DESIGNED BY: CZ		1983 NEW MEXICO CENTRAL ZONE		VERIFICATION BY	DATE	MICRO-FILM INFORMATION	
DRAWN BY: CZ		COMBINED GROUND TO GRID FACTOR IS		CORRECTED BY	DATE	RECORDED BY	
CHECKED BY: MPG		0.99967976, SCALED AROUND 0.0		RECORDED BY	DATE	NO.	
		NORTHING (US SURVEY FEET): 1489275.084			DATE	EASTING (US SURVEY FEET): 1517188.92	



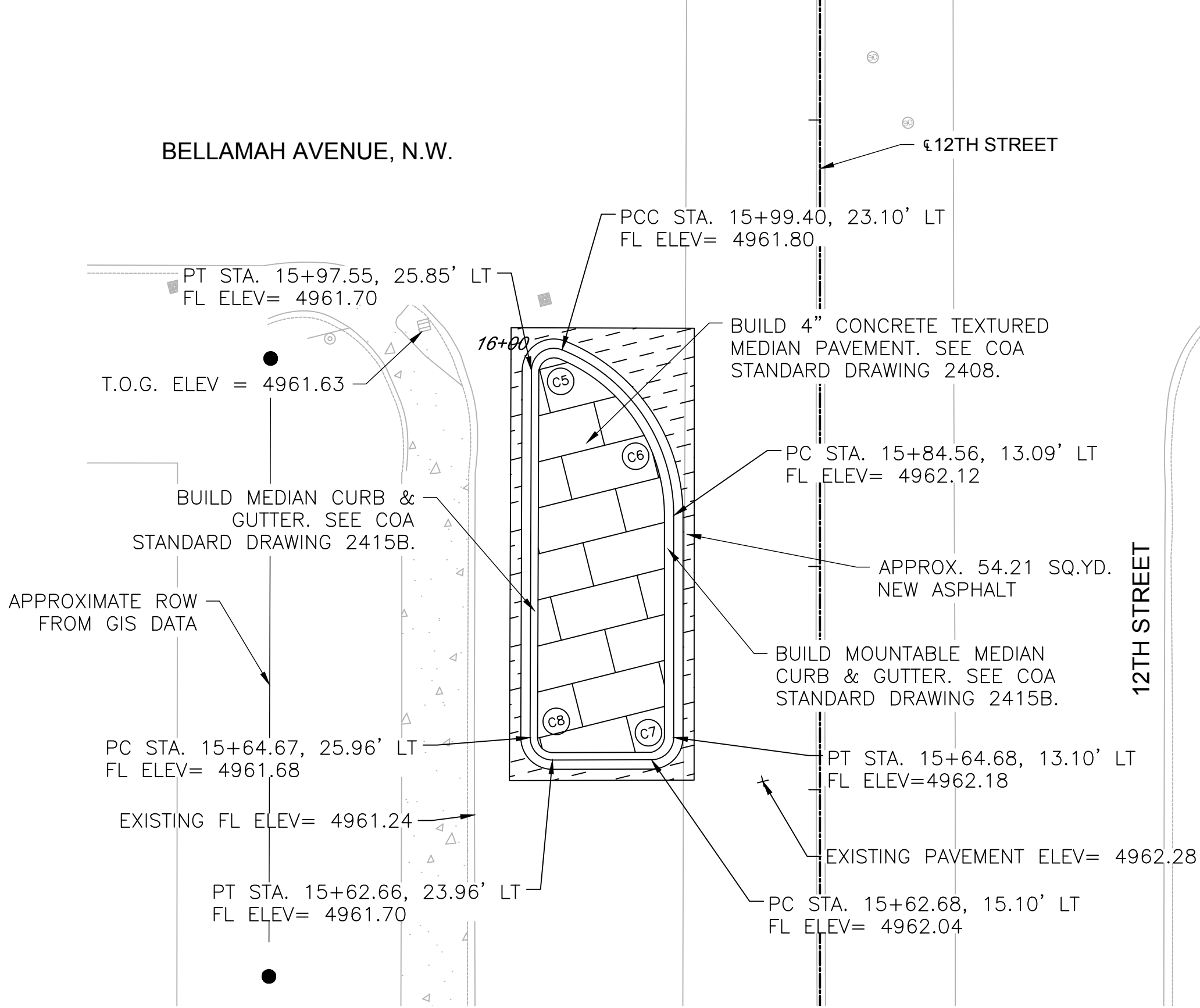
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Drawing Name: C:\pwworking\phx\cd0519023\_06\_M002.dwg

CURVE DATA				
CURVE NO.	DELTA	RADIUS	LENGTH	TANGENT
C1	143°10'56"	2.00'	5.00'	6.01'
C2	36°2'08"	45.00'	28.30'	14.64'
C3	89°57'09"	2.00'	3.14'	2.00'
C4	90°49'49"	2.00'	3.17'	2.03'



12TH STREET AND SAWMILL ROAD  
NORTHWEST CORNER CURB EXTENSION  
SCALE: 1"=10'

CURVE DATA				
CURVE NO.	DELTA	RADIUS	LENGTH	TANGENT
C5	111°48'46"	2.00'	3.90'	2.95'
C6	68°0'06"	16.00'	18.99'	10.79'
C7	89°49'53"	2.00'	3.14'	1.99'
C8	90°21'18"	2.00'	3.15'	2.01'



12TH STREET AND BELLAMAH AVENUE  
SOUTHWEST CORNER CURB EXTENSION  
SCALE: 1"=10'

ITEM NO. 340.06 CURB & GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, CIP. SD 2408						
STATION	OFFSET	TO	STATION	OFFSET	LENTH (LF)	DESCRIPTION
12TH STREET ALIGNMENT						
12+71.13	38.75' LT	-	13+06.96	21.89' LT	48.13	SOUTH CURB EXTENSION
15+62.68	15.10' LT	-	15+97.55	25.85' LT	44.90	NORTH CURB EXTENSION
TOTAL					93.03	
USE					100	

STATION TAKEN AT FLOWLINE

ITEM NO. 340.061 CURB & GUTTER, MOUNTABLE MEDIAN, PC CONCRETE, INCL. SUBGRADE PREP. CIP. SD 2415						
STATION	OFFSET	TO	STATION	OFFSET	LENTH (LF)	DESCRIPTION
12+71.13	38.75' LT	-	13+06.96	21.89' LT	47.37	SOUTH CURB EXTENSION
15+62.68	15.10' LT	-	15+97.55	25.85' LT	45.91	NORTH CURB EXTENSION
TOTAL					93.28	
USE					100	

STATION TAKEN AT FLOWLINE

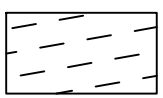
ITEM NO. 340.3 4" MEDIAN PAVEMENT, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE COMPACTION. CIP.						
STATION	OFFSET	TO	STATION	OFFSET	AREA (SY)	DESCRIPTION
12+69.79	37.38' LT	-	13+07.86	30.59' LT	38.84	SOUTH CURB EXTENSION
15+63.33	23.96' LT	-	15+98.69	23.91' LT	40.13	NORTH CURB EXTENSION
TOTAL					78.97	
USE					80	

STATION TAKEN AT BACK OF CURB

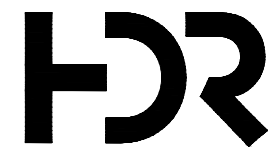
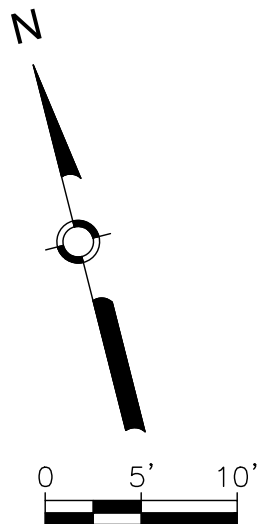
ITEM NO. 336.023 ASPHALT CONCRETE, 2-1/2 INCH THICK, SUPERPAVE						
STATION	OFFSET	TO	STATION	OFFSET	AREA (SY)	DESCRIPTION
12+64.87	25.59' LT	-	13+23.36	16.95' LT	117.68	SOUTH CURB EXTENSION AND MEDIAN SAWCUT
13+02.53	1.45' RT	-	13+30.98	1.54' RT	35.40	MEDIAN SAWCUT PAVEMENT REMOVAL
15+60.82	27.81' LT	-	16+01.39	27.67' LT	54.21	NORTH CURB EXTENSION
TOTAL					207.29	
USE					210	

ITEM NO. 301.02 SUBGRADE PREP. 12" AT 95% COMPACTION, CIP.						
ITEM NO. 302.01 AGGREGATE BASE COURSE, CRUSHED, 6" AT 95% COMPACTION, CIP. SD 2408						
STATION	OFFSET	TO	STATION	OFFSET	AREA (SY)	DESCRIPTION
12+64.87	25.59' LT	-	13+23.36	16.95' LT	39.23	SOUTH CURB EXTENSION AND MEDIAN SAWCUT
13+02.53	1.45' RT	-	13+30.98	1.54' RT	11.80	MEDIAN SAWCUT PAVEMENT REMOVAL
15+60.82	27.81' LT	-	16+01.39	27.67' LT	18.07	NORTH CURB EXTENSION
TOTAL					69.10	
USE					75	

#### LEGEND



NEW ASPHALT  
SEE PAVEMENT SECTION IN SHEET 7  
SEE COA STANDARD DRAWING 2465  
URBAN MINOR ARTERIAL



2155 LOUISIANA BLVD NE,  
SUITE 9500  
ALBUQUERQUE, NM 87110  
MAIN: (505) 830-5400  
FAX: (505) 830-5454



CITY OF ALBUQUERQUE  
MUNICIPAL DEVELOPMENT DEPARTMENT  
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: 12TH STREET AND SAWMILL ROAD INTERSECTION IMPROVEMENT

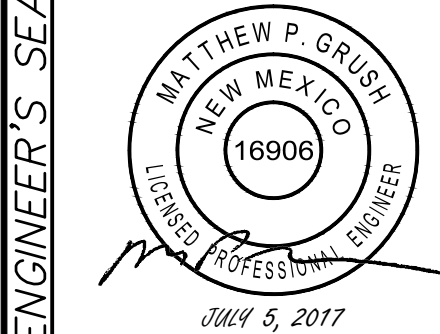
#### MISCELLANEOUS DETAILS

Design Review Committee City Engineer Approval

City Project No. 5413.92

Zone Map No. J-13

Sheet 6 Of 9



REVISIONS		REMARKS	BY
NO.	DATE		
		HDR ENGINEERING INC.	
		DESIGNED BY: CZ	DATE: 06/2017
		DRAWN BY: MPG	DATE: 06/2017
		CHECKED BY:	

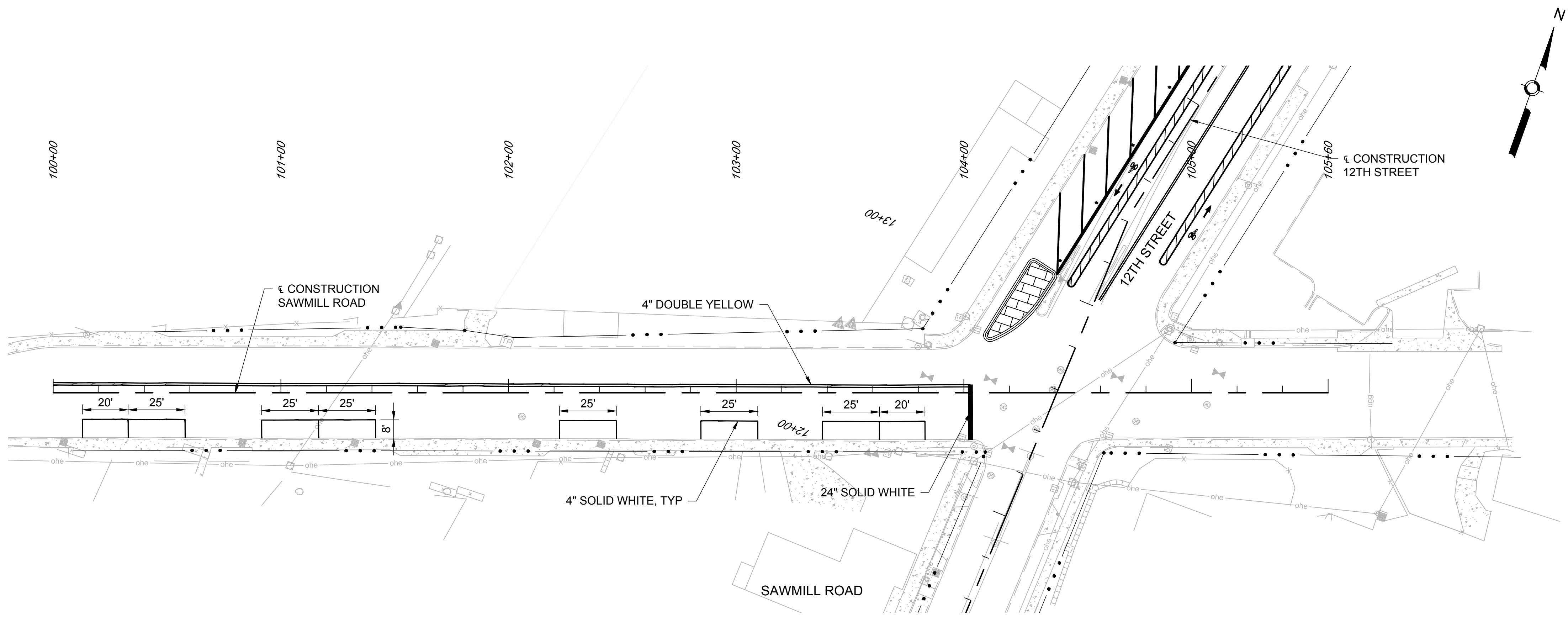
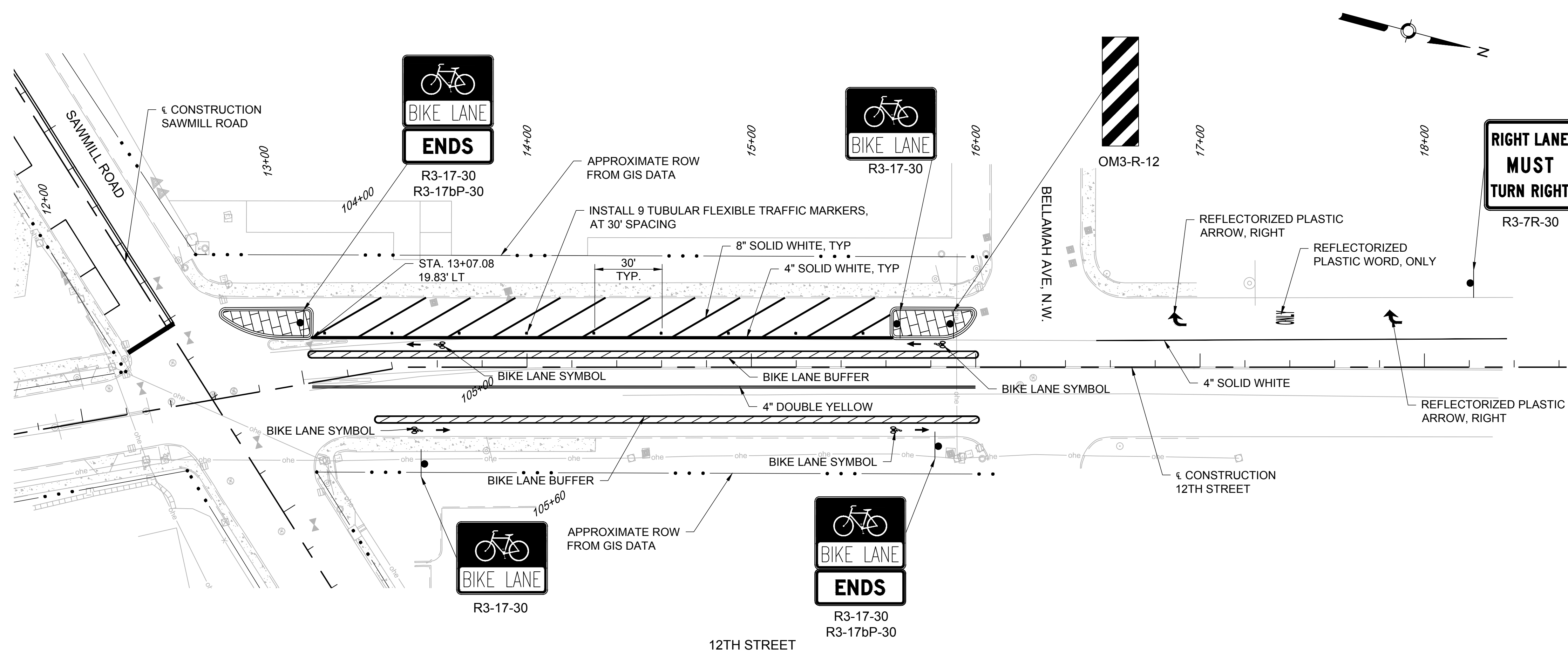
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	FIELD NOTES	CONTRACTOR	WORK DATE	INSPECTOR'S DATE	DATE
	BY				
		CITY OF ALBUQUERQUE SURVEY CONTROL	3 1/4" ALUM. DISK STAMPED "12-113".		
		ELEVATION = 4,957.50 FEET (NAVD 88			
		VERTICAL DATUM) REFERENCED TO NAD			
		1983 NEW MEXICO CENTRAL ZONE.			
		COMBINED GROUND TO GRID FACTOR IS			
		0.99967976, SCALED AROUND 0.0			
		NORTHING (US SURVEY FEET): 1489275.084			
		EASTING (US SURVEY FEET): 1517188.92			











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2155 LOUISIANA BLVD NE,  
SUITE 9500  
ALBUQUERQUE, NM 87110  
MAIN: (505) 830-5400  
FAX: (505) 830-5454

CITY OF ALBUQUERQUE  
MUNICIPAL DEVELOPMENT DEPARTMENT  
TRANSPORTATION DEVELOPMENT DIVISION

**TITLE:** 12TH STREET AND SAWMILL ROAD INTERSECTION IMPROVEMENT

## PERMANENT SIGNING & STRIPING PLAN

Design Review Committee

City Engineer Approval

## Fast Design Update

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ty Project No. 5413.92

Zone Map No.  
J-13

Sheet

9

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JUNE 28, 2017

NO.	DATE	REMARKS	BY
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*REVISIONS*

LIDD ENGINEERING INC.

DESIGNED BY: CZ      DATE: 06/2017

DRAWN BY: CZ DATE: 06/2017

CHECKED BY: MPG DATE: 06/2017

ENGINEER'S SEAL	SURVEY INFORMATION	BENCH MARKS	AS BUILT INFORMATION
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FIELD NOTES		CITY OF ALBUQUERQUE SURVEY CONTROL	CONTRACTOR	DATE
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NO.	BY	DATE
		DATE
		DATE

[illegible]

DRAWINGS		DATE	
CORRECTED BY			
1983 NEW MEXICO CENTRAL ZONE,			

MICRO-FILM INFORMATION		RECORDED BY	DATE
COMBINED GROUND TO GRID FACTOR IS			
0.99967976, SCALED AROUND 0.0			

[illegible]

				EASTING (US SURVEY FEET): 1517168.92
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