

CITY OF ALBUQUERQUE
NEW MEXICO
DEPARTMENT OF
MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION



AUGUST 2013

CARLISLE BOULEVARD &
CONSTITUTION AVENUE
INTERSECTION IMPROVEMENTS
5014.03

FINAL PLANS



VICINITY MAP
ZONE ATLAS MAP J-16
NTS

FOR INFORMATION ONLY

Gannett Fleming West, Inc.
2125 Louisiana NE, Suite 7020 Albuquerque, New Mexico 87110
Office: (505) 263-6468 Fax: (505) 263-6468

ENGINEER STAMP & SIGNATURE	APPROVALS	ENGINEER	DATE	*****	
	DRC CHAIRMAN	<i>[Signature]</i>	8/5/13	APPROVED FOR CONSTRUCTION	
	TRANSPORTATION	<i>[Signature]</i>	8-5-13		
	WATER/WASTEWATER	<i>[Signature]</i>	8-1-13		
	HYDROLOGY	<i>[Signature]</i>	8-5-13		
	PARKS				<i>[Signature]</i> 8/5/2013 CITY ENGINEER DATE
	CONST. MGMT.				
CONST. COORD.					
CITY PROJECT NO.	5014.03			SHEET	
				1-1, 1 of 14	

PROJECT NAME: CARLISLE BOULEVARD MEDIAN IMPROVEMENTS PROJECT NUMBER: 5014.06 PROJECT LIMITS: CARLISLE BOULEVARD AND CONSTITUTION AVENUE SUBMITAL NUMBER: FINAL

GENERAL NOTES:

1. 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. HEAVY TRUCK TRAFFIC SHALL NOT BE DETOURED THROUGH RESIDENTIAL AREAS.
2. NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE. COA SPECIFICATIONS REQUIRE A MINIMUM R VALUE 50 BORROW FOR ROADWAY AREAS.
3. THE CONTRACTOR SHALL CLEAN ALL EXISTING STRUCTURES THAT ARE TO REMAIN OPERATIONAL. STRUCTURES SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO CONSTRUCTION. NO SEPARATE MEASUREMENT AND PAYMENT WILL BE MADE FOR CLEANING OF STRUCTURES.
4. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO DMD, CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE DMD, CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS.
5. 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.
6. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, UPDATE #8 AND WILL BE REFERRED TO HEREIN AS "STANDARD SPECIFICATIONS".
7. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, (505) 260-1990, FOR LOCATION OF EXISTING UTILITIES. THE UTILITIES SHOWN ON THESE PLANS MAY OR MAY NOT BE COMPLETE OR ACCURATE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO IDENTIFY AND LOCATE HORIZONTALLY AND VERTICALLY ANY UTILITIES THAT MAY BE IMPACTED BY THEIR CONSTRUCTION ACTIVITIES.
8. 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 CITY CONSTRUCTION MANAGER.
9. THE CONTRACTOR SHALL COORDINATE HIS CONSTRUCTION ACTIVITIES WITH ALL OTHER CONTRACTORS AND UTILITY COMPANIES WORKING IN THE SAME AREA. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE THEIR ACTIVITIES TO ALLOW ADDITIONAL CREWS TO PERFORM THEIR REQUIRED WORK. NO ADDITIONAL COMPENSATION OR ADDITIONAL CONTRACT DAYS WILL BE ALLOWED FOR DELAYS OR INCONVENIENCE CAUSED BY OTHER CONTRACTORS OR UTILITY COMPANY WORK CREWS.




10. 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. TACK COAT SHALL BE APPLIED AT ALL COLD JOINTS OF PAVING OPERATIONS. TACK COAT FOR THIS PURPOSE SHALL BE INCIDENTAL TO THE CONTRACT AND NO MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
11. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, LANDSCAPING OR SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE PER CITY OF ALBUQUERQUE STANDARDS AT HIS OWN EXPENSE.
12. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ALL PERMITS NECESSARY FOR CONSTRUCTION.
13. 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.
14. PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
15. CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE THE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTORS SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT SURVEY MONUMENTS WITHIN THE PROJECT AREA.
18. ALL TRENCHING AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE, AT A MINIMUM, WITH OSHA 29 CFR 1926.650 SUBPART P. ALL TRENCH EXCAVATION AND BACKFILL SHALL COMPLY WITH STATED DENSITY REQUIREMENTS AND COA STANDARD SPECIFICATION SECTION 701. ALL FINAL BACKFILL FOR TRENCHES WITHIN THE COA RIGHT-OF-WAY SHALL BE COMPACTED TO A MINIMUM OF 95% MAXIMUM DENSITY PER ASTM D-1557.
19. ANY EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE.
20. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL REMOVALS REQUIRED TO COMPLETE THE PROJECT. ADDITIONAL REMOVALS NOT SHOWN ON THE PLANS WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE THEREFORE.

21. THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 10 FEET FROM THE EDGE OF DRIVING LANE. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE 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 THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
22. WHEN EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER, TRAINED AND/OR CERTIFIED IN TRAFFIC CONTROL OPERATIONS, DIRECT TRAFFIC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE.
23. 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 14 DAYS. THE FINAL AS-BUILT PLANS SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR FINAL REVIEW AND APPROVAL PRIOR TO FINAL PAYMENT. THIS SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
24. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT [HTTP://ABCWUA.ORG/CONTENT/VIEW/463/729/](http://abcwua.org/content/view/full/729/).
25. ALL WATER VALVE BOXES AND SEWER MANHOLES IN THE CONSTRUCTION AREA THAT REQUIRE ADJUSTMENT TO FINISHED GRADE UNDER THIS CONTRACT WILL BE PAID FOR AT CONTRACT UNIT PRICES. ADJUSTED WATER VALVE COLLARS SHALL BE INSTALLED PER STD. DWG 2326. IF WATER VALVE RING AND COVER DO NOT MATCH CURRENT STD. DWG. 2328, INSTALL NEW RING AND COVER PER STD. DWG 2328. IN ADDITION TO THE VALVE ADJUSTMENT, A SPHERICAL EMD SHALL BE INSTALLED.
26. CONTRACTOR SHALL REFER TO COA STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION SECTION 2800 FOR TEMPORARY TRAFFIC CONTROL GENERAL NOTES, SIGNING, STANDARDS AND TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES.
27. UPON COMPLETION, THE NEW PAVEMENT SHALL BE TRUE TO GRADE AND CROSS SECTION. EXCEPT ANY CHANGES OF GRADE, WHEN A 10' STRAIGHT EDGE IS LAID ON THE FINISHED SURFACE OF THE ROADWAY, THE SURFACE SHALL NOT VARY FROM THE EDGE OF THE STRAIGHT EDGE MORE THAN 3/16 INCH. AFTER THE COMPLETION OF THE FINAL ROLLING, THE SMOOTHNESS OF THE COURSE SHALL BE CHECKED, AND THE IRREGULARITIES THAT EXCEED SPECIFIED TOLERANCES AND OR RETAIN WATER ON THE SURFACE SHALL BE CORRECTED BY THE CONTRACTOR AT NO COST TO THE OWNER, AS DIRECTED BY THE ENGINEER.

28. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA.
29. CITY OF ALBUQUERQUE STANDARD DRAWINGS ARE INCORPORATED INTO THIS PLAN SET BY REFERENCE.
30. CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE CITY RIGHT-OF-WAY. NO WORK SHALL BE DONE OUTSIDE EXISTING RIGHT-OF-WAY.

ENVIRONMENTAL NOTES:

1. IF SUSPECTED HAZARDOUS MATERIALS ARE ENCOUNTERED DURING CONSTRUCTION, WORK WILL CEASE AT THAT LOCATION AND THE CITY OF ALBUQUERQUE WILL BE CONTACTED FOR PROPER TREATMENT OR DISPOSAL OF THOSE MATERIALS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING AND CLEANUP OF SPILLS ASSOCIATED WITH PROJECT CONSTRUCTION AND SHALL REPORT AND RESPOND TO SPILLS OF HAZARDOUS MATERIALS SUCH AS GASOLINE, DIESEL, MOTOR OILS, SOLVENTS, CHEMICALS, TOXIC AND CORROSIVE SUBSTANCES, ETC. WHICH MAY BE A THREAT TO PUBLIC HEALTH OR THE ENVIRONMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING DISCOVERIES OF PAST SPILLS AND CURRENT SPILLS NOT ASSOCIATED WITH CONSTRUCTION. REPORTS SHALL BE MADE IMMEDIATELY TO THE NM ENVIRONMENT DEPARTMENT EMERGENCY RESPONSE AT 827-9329. NON-EMERGENCIES MAY BE REPORTED TO 428-2500.
3. THIS PROJECT QUALIFIES FOR A LOW EROSIONITY WAIVER (LEW). THE LEW APPLICATION IS MADE AS PART OF THE NOI PROCESS. THE PROJECT DISTURBS LESS THAN 1 ACRE.
4. THE CONTRACTOR SHALL OBTAIN A NUISANCE CONTROL PERMIT.

CONSULTANTS		BENCH MARKS	
Garrett Fleming West, Inc.		PROJECT BENCHMARK IS CITY OF ALBUQUERQUE CONTROL STATION "7-J16", PUBLISHED ELEVATION 5174.166. ELEVATIONS ARE ADJUSTED BASED ON COA BENCHMARK (NAD 88).	
2155 LOUISIANA BLVD. NE SUITE 7000 ALBUQUERQUE, NEW MEXICO 87110 505-265-8468			
DESIGNED BY: RJS	DATE: _____	NO. _____	DATE: _____
DRAWN BY: RJS	DATE: _____	AS-BUILT INFORMATION	DATE: _____
CHECKED BY: EJM	DATE: _____	WORK STACKED BY: _____	DATE: _____
DATE: JULY 2013	DATE: _____	INSPECTOR'S ACCEPTANCE BY: _____	DATE: _____
DATE: _____	DATE: _____	FIELD VERIFICATION BY: _____	DATE: _____
DATE: _____	DATE: _____	DRAWINGS CORRECTED BY: _____	DATE: _____
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION CARLISLE BLVD & CONSTITUTION AVE INTERSECTION IMPROVEMENTS GENERAL NOTES			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO.	J-16
		CITY PROJECT NO.	5014.03
SHEET NO.		1-3, 3 of 14	

FOR INFORMATION ONLY



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



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
CARLISLE BLVD & CONSTITUTION AVE
INTERSECTION IMPROVEMENTS

GENERAL NOTES

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

ZONE MAP NO.

J-16

CITY PROJECT NO.

5014.03

SHEET NO.

1-3, 3 of 14

BID ITEM #	ITEM ID NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
		MEDIAN IMPROVEMENTS		
1	4.010	CONSTRUCTION STAKING, COMPLETE	LS	1
2	6.010	CONSTRUCTION PROJECT SIGN AND PROJECT PUBLICITY PER SUPPLEMENTAL SPECIAL PROVISIONS SECTION 4, C/P.	EA	2
3	19.010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPLETE	LS	1
4	116.012	ASPHALT CONC. MATERIAL, ARTERIAL GRADATION SP-III COMPLETE	TON	20
5	116.018	ASPHALT CONC., PLACEMENT, 2-1/2" THICK, ARTERIAL GRADATION SP-III, WITHOUT MACHINE LAYDOWN, C/P	SY	300
6	301.XXB	GRADING OF AREAS TO BE PAVED INCLUDING ANY COMBINATION OF CUT/FILL AND/OR BALANCE AND/OR GRADING, LESS THAN 2' EXCAVATION, NO IMPORT OR EXPORT OF MATERIAL AT 95% COMPACTION, INCLUDING SUBGRADE PREPARATION, (FOR QUANTITIES OF 200 TO 3,000 SY, COMPLETE	SY	700
7	302.015	AGGREGATE BASE COURSE, CRUSHED, 4" AT 95% COMPACTION, C/P.	SY	300
8	336.010	PRIME COAT, EMULSIFIED ASPH/PAT, C/P	SY	300
9	336.120	TACK COAT, CATIONIC, EMULSIFIED ASPHALT, C/P	SY	300
10	340.060	CURB & GUTTER, MEDIAN, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREP, C/P	LF	440
11	343.040	EXISTING PAVEMENT, PC CONCRETE, UP TO 4" THICK, SAWCUT, REMOVE AND DISPOSE, COMPLETE	SY	75
12	343.140	SAWCUT EXISTING ASPHALT PAVEMENT TO A SAWCUT DEPTH OF 6" OR LESS, COMPLETE	LF	500
13	343.020	EXISTING PAVEMENT, ASPHALT CONCRETE, REMOVE AND DISPOSE, SAWCUT PAID UNDER SEPARATE BID ITEM WHEN REQUIRED, 6" OR LESS IN THICKNESS, COMPLETE	SY	350
14	343.080	EXISTING CURB AND GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE AND DISPOSE, COMPLETE	LF	400
15	346.10	TEXTURED PAVEMENT, 4" THICK, MESA BUFF COLOR, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREP, C/P	SF	1475
16	440.001	REFLECTORIZED PAINTED MARKINGS (INCLUDING POWER WASHING), C/P	LF	40
17	441.001	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 4" WIDTH, C/P	LF	235
18	443.101	REMOVAL OR ERADICATION OF PAVEMENT MARKINGS, ANY WIDTH, PAINTED OR PLASTIC, WATER-BLAST METHOD, COMPLETE	LF	405
19	450.001	ALUMINUM PANEL SIGN, C/P	SF	4
20	450.010	SQUARE TUBE STEEL POSTS & BASE POSTS FOR ALUMINUM STEEL PANEL SIGN, C/P	LF	15
21	450.102	SIGN, POST & BASE POST, REMOVE AND RELOCATE	EA	3
22	801.111	EXISTING WATER VALVE, ADJUST TO GRADE	EA	1

BID ITEM #	ITEM ID NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
57	6214.1	MOBILIZATION, COMPLETE (5%)	LS	1
58	6214.2	DEMOBILIZATION, COMPLETE (5%)	LS	1
59	186.1	UTILITY RELOCATION (WATER VALVE ADJUSTMENT)	1	ALLOW
60	132.2	LAB TESTING	1	ALLOW

BID ITEM #	ITEM ID NO.	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY
		SE CURB RETURN IMPROVEMENTS		
23	4.010	CONSTRUCTION STAKING, COMPLETE	LS	1
24	116.012	ASPHALT CONC. MATERIAL, ARTERIAL GRADATION SP-III, C/P.	TON	2
25	116.018	ASPHALT CONC., PLACEMENT, 2-1/2" THICK, ARTERIAL GRADATION SP-III, WITHOUT MACHINE LAYDOWN, C/P.	SY	40
26	301.XXB	GRADING OF AREAS TO BE PAVED INCLUDING ANY COMBINATION OF CUT/FILL AND/OR BALANCE AND/OR GRADING, LESS THAN 2' EXCAVATION, NO IMPORT OR EXPORT OF MATERIAL AT 95% COMPACTION, INCLUDING SUBGRADE PREPARATION (FOR QUANTITIES OF 200 TO 3,000 SY, COMPLETE	SY	150
27	302.015	AGGREGATE BASE COURSE, CRUSHED, 4" AT 95% COMPACTION, C/P.	SY	40
28	336.010	PRIME COAT, EMULSIFIED ASPHAT, C/P	SY	40
28	336.120	TACK COAT, CATIONIC, EMULSIFIED ASPHALT, C/P	SY	40
29	340.01b	SIDEWALK, 4" THICK, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE COMPACTION (FOR QUANTITIES OF 35-225 SY), C/P SD 2430	SY	50
30	340.05a	CURB & GUTTER, STANDARD, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREP (FOR QUANTITIES LESS THAN 300 LF), C/P SD 2415	LF	75
31	340.0231	WHEELCHAIR ACCESS RAMP, 4" PCC, STD CURB, PER STD DWG SD 2419, INCLUDES HEADER CURB, C/P	SY	36
32	340.0231A	DETECTABLE WARNING SURFACE ON NEW OR EXISTING WHEELCHAIR RAMP, C/P	SF	62
33	343.140	SAWCUT EXISTING ASPHALT PAVEMENT TO A SAWCUT DEPTH OF 6" OR LESS, C/P	LF	80
34	343.020	EXISTING PAVEMENT, ASPHALT CONCRETE, REMOVE AND DISPOSE, SAWCUT PAD UNDER SEPARATE BID ITEM WHEN REQUIRED, 6" OR LESS IN THICKNESS, C/P	SY	30
35	343.080	EXISTING CURB AND GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE AND DISPOSE, C/P	LF	75
36	343.090	EXISTING SIDEWALK AND/OR DRIVEPAD, SAWCUT, REMOVE AND DISPOSE, C/P	SY	50
37	421.005	SERVICE RISER (SIGNAL), C/P	EA	1
38	422.102	TRAFFIC SIGNAL PEDESTRIAN POLE, ANY SIZE, REMOVE AND RELOCATE, C/P	EA	1
39	422.112	TRAFFIC SIGNAL MASTARM, ANY SIZE, REMOVE AND RELOCATE, C/P	EA	1
40	423.001	TRAFFIC SIGNAL FOUNDATION FOR PEDESTRIAN POLE, C/P	EA	1
41	423.002	TRAFFIC SIGNAL MASTARM FOUNDATION, C/P	EA	1
42	423.101	TRAFFIC SIGNAL FOUNDATION MASTARM REMOVAL & DISPOSE, COMPLETE	EA	1
43	423.102	TRAFFIC SIGNAL FOUNDATION FOR PEDESTRIAN POLE, REMOVE & DISPOSE, COMPLETE	EA	1
44	424.007	ELECTRICAL CONDUIT, 2" INCL. PUSHING, BORING & JACKING, C/P	LF	90
45	424.012	ELECTRICAL CONDUIT, 3" INCL. PUSHING, BORING & JACKING, C/P	LF	110
46	425.003	ELECTICAL PULL BOX (LARGE), C/P	EA	1
47	425.020	TRAFFIC SIGNAL MANHOLE, C/P	EA	1
48	425.101	ELECTRICAL PULL BOX, ANY TYPE, REMOVE AND DISPOSE	EA	2
49	425.102	ELECTRICAL PULL BOX, ANY TYPE, REMOVE AND RELOCATE	EA	1
50	426.001	SINGLE CONDUCTOR, #2, C/P	LF	255
51	426.003	SINGLE CONDUCTOR, #6, C/P	LF	160
52	426.010	MULTICONDUCTOR CABLE, #5, C/P	LF	340
53	426.014	MULTICONDUCTOR CABLE, #20, C/P	LF	280
57	441.005	REFLECTORIZED PLASTIC PAVEMENT MARKINGS, 24" WIDTH, C/P	LF	250
58	443.101	REMOVAL OR ERADICATION OF PAVEMENT MARKINGS, ANY WIDTH, PAINTED OR PLASTIC, WATER-BLAST METHOD, COMPLETE	LF	300

~~FOI~~ INFORMATION ONLY



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




CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO. J-16
		CITY PROJECT NO. 5014.03
		SHEET NO. 1-4, 4 of 14

Gannett Fleming West, Inc.
gentlewise Delivered As Financial

CONSULTANTS

 2155 LOUISIANA BLVD. NE
SUITE 7000
ALBUQUERQUE, NEW MEXICO 87110
505-265-8488

BENCH MARKS

PROJECT BENCHMARK IS CITY OF ALBUQUERQUE CONTROL STATION "7-J16", PUBLISHED ELEVATION 5174.166. ELEVATIONS ARE ADJUSTED BASED ON COA BENCHMARK (NAD 88).

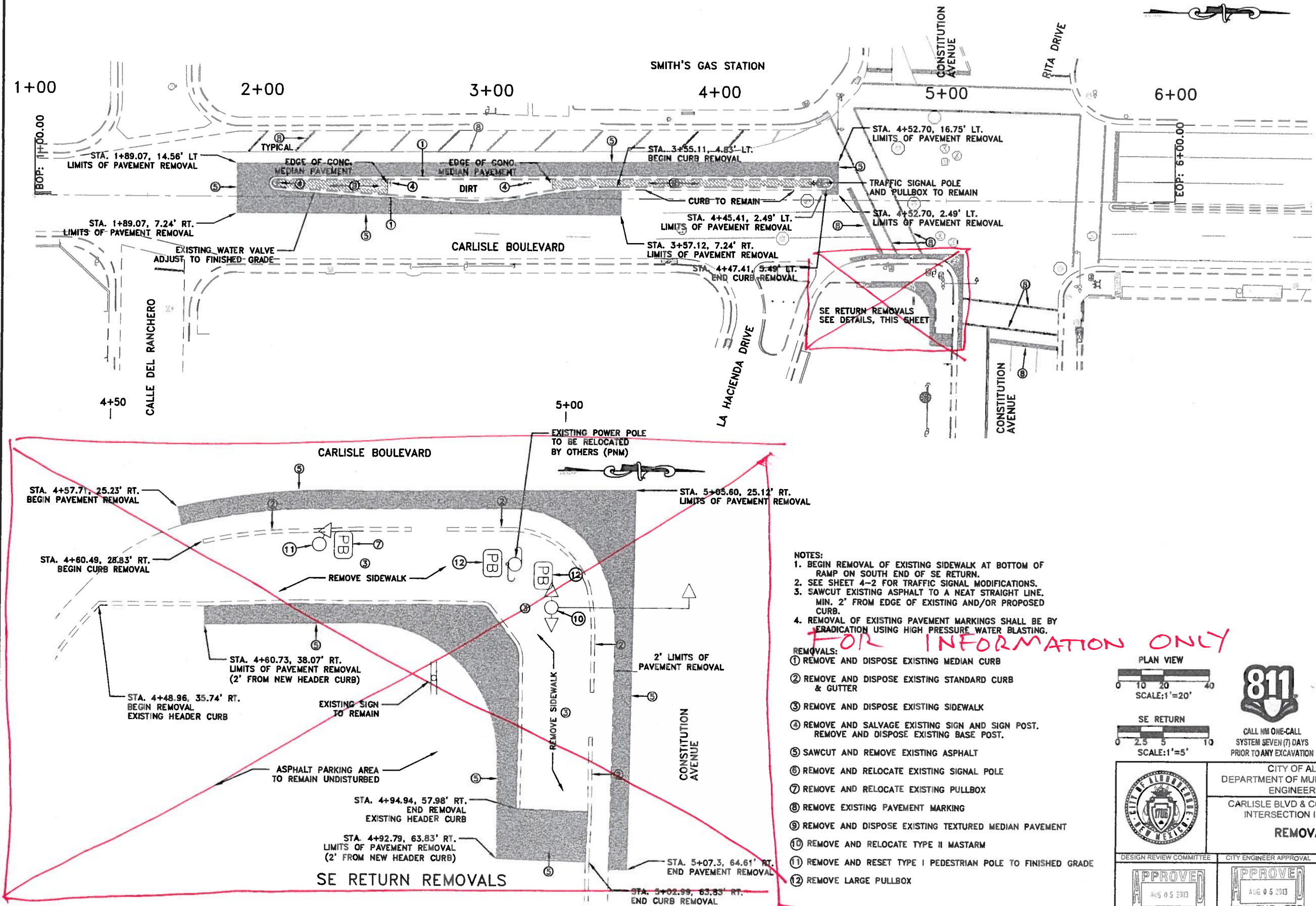





NO	DATE	DESCRIPTION	BY
AS-BUILT INFORMATION			
CONTRACTOR:			
WORK STACKED BY:			DATE:
INSPECTOR'S ACCEPTANCE BY:			DATE:
FIELD VERIFICATION BY:			DATE:
DRAWINGS CORRECTED BY:			DATE:

DESIGNED BY: RJS
DRAWN BY: RJS
CHECKED BY: EJM
DATE: 11/11/2013

Layout
 Last Saved 7/31/2013 3:15 PM By SMITH, RAYMOND J.
 C:\PROJECTS\56202\TASK 6 - CARUSLE MEDIAN\PRJMK\CADD\PLANS\56202SQ01.DWG

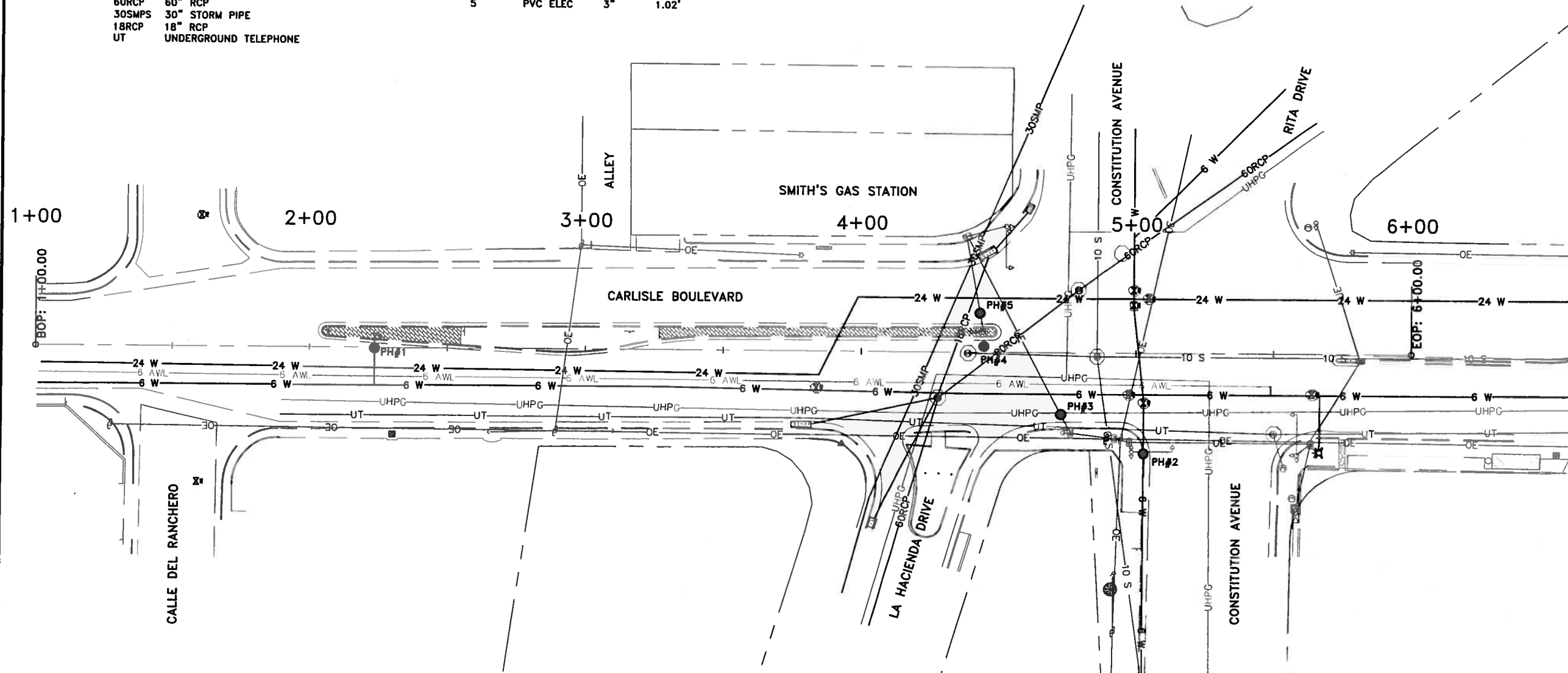
10/11/13
Last Saved: 7/31/2013 2:05 PM BY: SMITH, RAYMOND J.
K:\PROJECTS\56002\TASK 6 - CARLISLE MEDIAN\PRJ\ADD\PLANS\56002REMOVAL01.DWG



CONSULTANTS	
Gannett Fleming West, Inc. ALBUQUERQUE CONTROL STATION "7-J16" PUBLISHED ELEVATION 5174.186. ELEVATIONS ARE ADJUSTED BASED ON COA BENCHMARK (NAD 88).	
2155 LOUISIANA BLVD. NE SUITE 7000 ALBUQUERQUE, NEW MEXICO 87110 505-265-8468	
PROJECT BENCHMARK IS CITY OF ALBUQUERQUE CONTROL STATION "7-J16" PUBLISHED ELEVATION 5174.186. ELEVATIONS ARE ADJUSTED BASED ON COA BENCHMARK (NAD 88).	
	
DESIGNED BY: RJS	DATE: _____
DRAWN BY: RJS	DATE: _____
CHECKED BY: EJM	DATE: _____
WORK STACKED BY: _____	DATE: _____
INSPECTOR'S ACCEPTANCE BY: _____	DATE: _____
FIELD VERIFICATION BY: _____	DATE: _____
DRAWINGS CORRECTED BY: _____	DATE: _____
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION CARLISLE BLVD & CONSTITUTION AVE INTERSECTION IMPROVEMENTS REMOVAL PLAN	
DESIGN REVIEW COMMITTEE  AUG 05 2013	CITY ENGINEER APPROVAL  AUG 05 2013
ZONE MAP NO. J-16	
CITY PROJECT NO. 5014.03	
SHEET NO. 2-1, 6 of 14	

OE	OVERHEAD ELECTRIC
UE	UNDERGROUND ELECTRIC (SIGNAL CONDUIT)
UHPG	UNDERGROUND HIGH PRESSURE GAS
6 AWL	6" ABANDONED WATERLINE
24 W	24" WATERLINE
6 W	6" WATERLINE
10 S	10" SANITARY SEWER
60RCP	60" RCP
30SMPS	30" STORM PIPE
18RCP	18" RCP
UT	UNDERGROUND TELEPHONE

PH#	UTILITY	SIZE	DEPTH
1	PVC WATER	2"	2.36'
2	DI WATER	12"	6.03'
3	PVC ELEC	2"	1.39'
	STEEL GAS	12"	3.12'
4	PE FIBER	4"	4.43'
5	PVC ELEC	3"	1.02'



Name	Phones	Business
Chang, Peter	Office Phone: (505) 768-2598 Office Fax: (505) 768-3829	ABCWUA Engineer, Utility Engineering P.O. Box 1293 Albuquerque, NM 87103
pchang@abcwua.org		
Gurule, Andrew	Office Phone: (505) 241-0589 Cell Phone: (505) 208-8014 Office Fax: (505) 241-0559	PNM Electric Co. Mail Stop ES55 4201 Edith Blvd. NW Albuquerque, NM 87107
andrew.gurule@pnm.com		
Hoskins, Earl	Office Phone: (505) 697-3140 Office Fax: (505) 344-0091	NM Gas Co. Mail Stop GS66 4625 Edith Blvd. NE Albuquerque, NM 87107
earl.hoskins@nmgco.com		

<u>Name</u>	<u>Phones</u>	<u>Business</u>
Uzcategui, John	Office Phone: (505) 842-2911 Office Fax: (505) 842-2890	AT&T Resource Supervisor 111 3rd Street NW Albuquerque, NM 87103
<u>ju4329@att.com</u>		
Harrison, Royal	Office Phone: (505) 938-7339 Office Fax: 938-7380	Time Warner Telecom Plant Manager 5411 Jefferson St. NE Suite 200 Albuquerque, NM 87109
<u>Royal.Harrison@twtelecom.com</u>		
Jaramillo, Rita	Office Phone: (505) 245-8352 Office Fax: (505) 245-6733 Cell Phone: (505) 385-4472	Qwest Manager- Engineering NM Engineering/Planning 400 Tijeras NW, Room 710 Albuquerque, NM 87102
<u>rjarami@qwest.com</u>		
Mortus, Mike	Office Phone: (505) 271-3649 Office Fax: (505) 761-0599 Cell Phone: (505) 269-4006	Comcast Project Manager 4611 Montibel Place NE Albuquerque, NM
<u>Mike.Mortus@cable.comcast.com</u>		

FOR INFORMATION ONLY



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



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION


CARLISLE BLVD & CONSTITUTION AVE INTERSECTION IMPROVEMENTS

EXISTING UTILITIES PLAN



ZONE MAP NO.	J-16
CITY PROJECT NO.	5014.03
SHEET NO.	2-2. 7 of 14

CONSULTANTS

 **Gannett Fleming West, Inc.**
Excellence Delivered At Every Step

2155 LOUISIANA BLVD. NE
SUITE 7000
ALBUQUERQUE, NEW MEXICO 87110
505-265-9458

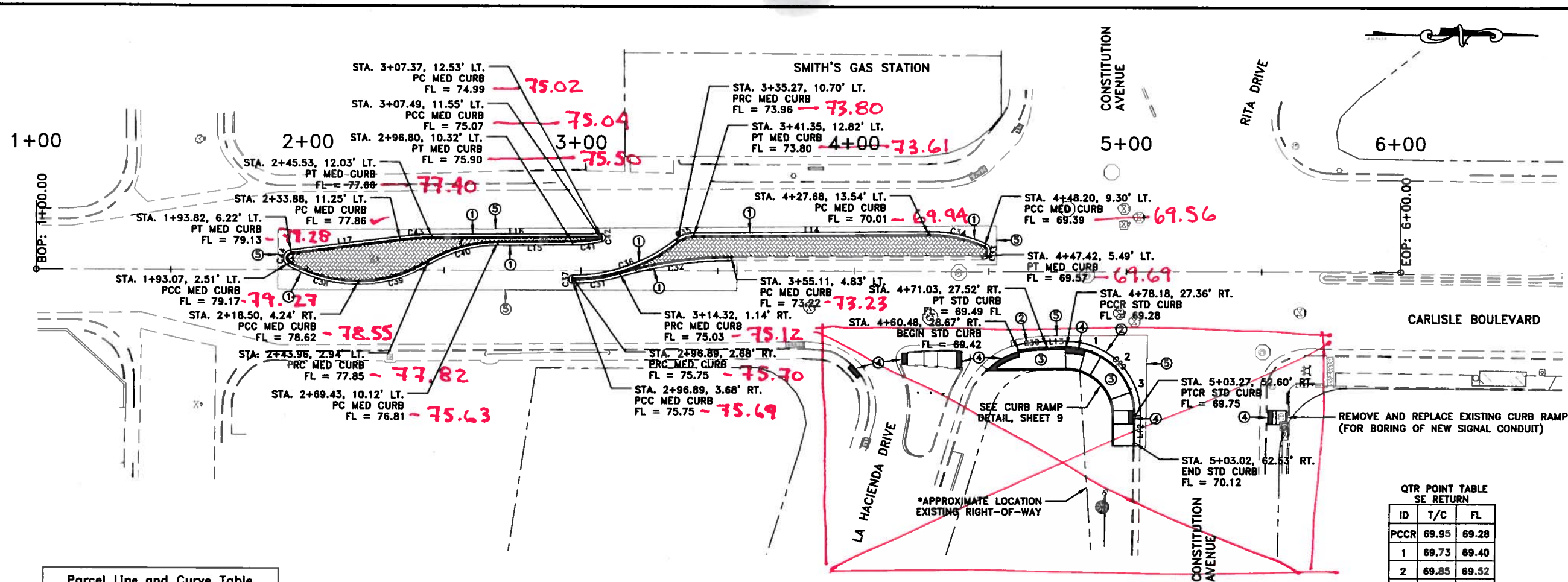
BENCH MARKS

PROJECT BENCHMARK IS CITY OF
ALBUQUERQUE CONTROL STATION
PUBLISHED ELEVATION 5174.166.
ELEVATIONS ARE ADJUSTED BASED ON COA
BENCHMARK (NAD 88).



Printed on: 7/31/2013 3:47 PM By: SMITH, RAYMOND J
X:\PROJECTS\56202\TASK 6 - CARLISLE MEDIAN\PRJWK\CADD\PLANS\56202UTIL.DWG

Lot: Saved: 7/31/2013 2:10 PM BY: SMITH, RAYMOND J.
K:\PROJECTS\56202\TASK 6 - CARLISLE MEDIAN\PRM\CAAD\PLANS\56202HP01.DWG



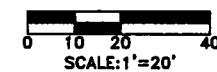
Parcel Line and Curve Table				
Line #/Curve #	Length	Bearing/Delta	Radius	
C29	39.80	90.75	25.00	
C30	10.84	11.79	51.71	
C31	17.67	15.82	84.00	
C32	41.35	15.80	150.00	
C33	5.45	156.05	2.00	
C34	21.11	24.19	50.00	
C35	8.58	37.37	10.00	
C36	41.39	37.64	83.00	
C37	1.57	180.00	0.50	
C38	28.82	30.51	50.00	
C39	28.78	30.88	50.00	
C40	28.78	30.88	50.00	
C41	10.74	12.31	50.00	
C42	1.48	187.75	0.50	
C43	11.88	8.89	100.00	
C44	4.98	142.74	2.00	
L12	11.24	S88° 35' 40.45"E		
L13	7.15	S1° 18' 23.71"E		
L14	86.33	S0° 28' 34.04"E		
L15	27.37	S0° 24' 14.50"E		
L16	61.80	S0° 27' 48.54"E		
L17	40.37	S7° 09' 29.03"E		

QTR POINT TABLE SE RETURN		
ID	T/C	FL
PCCR	69.95	69.28
1	69.73	69.40
2	69.85	69.52
3	69.97	69.64
PTCR	70.42	69.75

- NEW CONSTRUCTION
- 1 BUILD NEW MEDIAN CURB
 - 2 BUILD STANDARD CURB WITH DEPRESSED GUTTER
 - 3 BUILD NEW SIDEWALK
 - 4 INSTALL NEW ADA DETECTABLE WARNING SURFACE
 - 5 BUILD NEW PAVEMENT
SEE SHEET 3-2 (9) FOR PAVEMENT DETAILS.

FOR INFORMATION ONLY

- NOTES:
1. ALL MEDIAN CURB SHALL BE PER COA STD DWG 2415B.
 2. ALL STANDARD CURB SHALL HAVE A DEPRESSED GUTTER PER COA STD DWG 2415A.
 3. ASPHALT PAVEMENT SHALL BE PER COA STD DWG 2465.
 4. TEXTURED MEDIAN PAVEMENT SHALL BE PCC, ASHLAR SLATE PATTERN, TRANSVERSE TO CENTERLINE, COLOR SHALL BE MESA BUFF.
 5. ALL GEOMETRY INFORMATION IS FLOWLINE OF CURB.
 6. LOCATION OF EXISTING RIGHT-OF-WAY IS APPROXIMATE AND TAKEN FROM CITY GIS MAPPING. ACTUAL RIGHT-OF-WAY LOCATION SHALL BE VERIFIED BY CONTRACTOR PRIOR TO CONSTRUCTION.
 7. SEE SHEET 3-2 (9) FOR SECTION DETAILS, PAVING AND CURB RAMP DETAILS.
 8. ADA DETECTABLE WARNING SURFACE PER ADA SPECIFICATIONS, COLOR SHALL BE YELLOW. CONTRACTOR TO PROVIDE SAMPLE SPEC TO CITY CONSTRUCTION MANAGER PRIOR TO INSTALLATION.



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION
CARLISLE BLVD & CONSTITUTION AVE
INTERSECTION IMPROVEMENTS
HORIZONTAL LAYOUT
AND GEOMETRIC DETAILS

DESIGN REVIEW COMMITTEE
APPROVED
AUG 05 2013
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
AUG 05 2013
CITY ENGINEER

ZONE MAP NO.
J-16
CITY PROJECT NO.
5014.03
SHEET NO.
3-1, 8 of 14

CONSULTANTS
Gannett Fleming West, Inc.
Evidenced Deed as Provided
2155 LOUISIANA BLVD. NE
SUITE 7000
ALBUQUERQUE, NEW MEXICO 87110
505-265-8468

PROJECT BENCHMARK IS CITY OF ALBUQUERQUE CONTROL STATION "7-J16". PUBLISHED ELEVATION 5174.166. ELEVATIONS ARE ADJUSTED BASED ON COA BENCHMARK (NAD 88).



SEAL		BY		DATE	
CONTRACTOR	NO.	DATE	DESCRIPTION	CONTRACTOR	DATE
INSPECTOR'S ACCEPTANCE BY	NO.	DATE	DESCRIPTION	INSPECTOR'S ACCEPTANCE BY	DATE
FIELD VERIFICATION BY	NO.	DATE	DESCRIPTION	FIELD VERIFICATION BY	DATE
DRAWINGS CORRECTED BY	NO.	DATE	DESCRIPTION	DRAWINGS CORRECTED BY	DATE

SIGNAL NOTES:

1. ALL WORK TO BE PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT NATIONAL ELECTRICAL CODE, THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS, AND THE CITY'S TRAFFIC ENGINEERING OPERATIONS THIRD DRAFT SPECIFICATIONS (JUNE 1994).

2. LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO AVOID UTILITY CONFLICTS AND TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICAN'S WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE CITY'S TRAFFIC ENGINEERING OPERATIONS PERSONNEL IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY. FOUNDATIONS, POLES, CONTROL CABINETS AND SPLICE CABINETS SHALL NOT BE PLACED IN THE PEDESTRIAN PATH.

3. THE CONTRACTOR IS WARNED THAT EXISTING CONDUIT MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.

4. THE CONTRACTOR SHALL BORE, DRILL, OR PUSH WHEN CROSSING EXISTING PAVEMENTS AND ANY DRIVEWAYS FOR SIDE STREET CROSSINGS. BEFORE CONDUIT CAN BE BORED, DRILLED OR PUSHED THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR SHALL LOCATE AND EXPOSE EXISTING GAS LINES WHICH CROSS ANY PROPOSED BORES. THESE EXCAVATIONS SHALL REMAIN OPEN UNTIL AFTER THE BORE IS COMPLETE. CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ANY SIDEWALK OR PAVEMENT REQUIRED TO EXPOSE SUCH LINES. THE CONTRACTOR MAY CUT, TRENCH, AND REPLACE EXISTING PAVEMENT ONLY WHEN APPROVED BY THE PROJECT MANAGER.

5. SPLICING OF COMMUNICATIONS CABLE WILL NOT BE PERMITTED IN PULL BOXES. SPLICING OF COMMUNICATIONS CABLE WILL BE PERMITTED ONLY AT SPLICE CABINETS OR CONTROLLER CABINETS WITH SPLICE BARS. SPLICING OF TRAFFIC SIGNALS MCC WILL BE PERMITTED IN LARGE PULL BOXES. SPLICING OF OPTICAL DETECTOR CABLE WILL NOT BE PERMITTED FROM THE DETECTOR TO THE CONTROLLER CABINET.

6. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS (857-8092) THREE (3) WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN FIELD LOCATION OF EQUIPMENT AND MUST BE PRESENT WHEN SIGNALS ARE SHUT OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS EACH TIME A TRAFFIC SIGNAL CONTROLLER DOOR IS OPENED.

7. THE CONTRACTOR SHALL NOTIFY PUBLIC SERVICE COMPANY OF NEW MEXICO (PNM) 30 DAYS IN ADVANCE OF ANY ANTICIPATED POWER SERVICE CONNECTIONS OR MODIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH PNM TO MAINTAIN ELECTRICAL SERVICE IN THE CITY'S NAME. ALL COSTS FOR PNM TO PROVIDE POWER WILL BE PAID FOR DIRECTLY BY THE CITY OF ALBUQUERQUE.

8. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING AND DELIVER TO THE CITY TRAFFIC ENGINEERING YARDS WHEN TRAFFIC SIGNALS ARE PUT INTO OPERATION.

9. LIVE UNUSED CONDUCTORS WILL NOT BE ALLOWED AT MASTARM POLES AND PEDESTAL POLES. ALL SUCH UNUSED CONDUCTORS SHALL BE DISCONNECTED AT THE LARGE PULL BOX ADJACENT TO THE POLE. ALL WIRE SPLICES SHALL BE WATERPROOF. ALL UNUSED CONDUCTORS SHALL BE WATERPROOFED USING NYLON CRIMPED ON WIRE CAPS.

10. IF TRENCH WIDTHS LESS THAN 12" ARE PROPOSED BY THE CONTRACTOR, APPROVED COMPACTION METHODS SHALL BE USED DURING BACKFILL TO PREVENT LATENT TRENCH FAILURES. THE CONTRACTOR SHALL USE GROUT OR LEAN FILL AS APPROVED BY THE PROJECT MANAGER IN LIEU OF EARTH BACKFILL.

11. THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL PROVIDE TRAFFIC SIGNAL TIMING PLANS AND WILL PROGRAM TRAFFIC SIGNAL CONTROLLERS.

12. FOR CONDUITS CONTAINING ONLY LOW VOLTAGE COMMUNICATIONS CABLES, THE REQUIREMENTS FOR A SINGLE CONDUCTOR BARE COPPER #8 AWG MAY BE WAIVED WHERE PERMITTED BY THE NATIONAL ELECTRIC CODE.

13. EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED AS NECESSARY AND AT THE DIRECTION OF THE PROJECT MANAGER.

14. EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULL BOXES OR TRAFFIC MANHOLES ARE INSTALLED OR REPLACED.

15. THE CONTRACTOR SHALL PROVIDE OFF-DUTY POLICE OFFICERS TO DIRECT TRAFFIC WHEN SIGNALS ARE TURNED OFF.

16. ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAS BEEN OBTAINED FROM 'AS-BUILT' DRAWINGS, COA TRAFFIC ENGINEERING STAFF AND FROM FIELD OBSERVATIONS. THE LOCATIONS OF EXISTING UTILITIES SHOWN MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING, IF NECESSARY, TO MORE SPECIFICALLY LOCATE UTILITY LINES.

17. THE CONTRACTOR SHALL VIDEO TAPE THE EXISTING TRAFFIC SIGNAL EQUIPMENT AT CARLISLE/CONSTITUTION IN DVD FORMAT AND PROVIDE A COPY OF THE RECORDING TO CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL PRIOR TO BEGINNING ANY REMOVALS OF SIGNAL EQUIPMENT. THE DVD SHALL BECOME PROPERTY OF THE CITY AND MAY BE USED TO RESOLVE ANY QUESTIONS RELATED TO THE ORIGINAL CONDITION AND QUALITY OF EXISTING EQUIPMENT. THE EXISTING TRAFFIC SIGNAL EQUIPMENT DESIGNATED ON THE PLANS TO BE SALVAGED SHALL BE DELIVERED TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING YARD ON PINO ROAD NE.

18. THE CONTRACTOR SHALL REMOVE EXISTING CONDUITS AND PULL BOXES THROUGHOUT THE PROJECT AS DIRECTED BY THE PROJECT MANAGER.

19. EACH TIME A ROADWAY LUMINAIRE IS TURNED ON OR OFF THE CONTRACTOR SHALL COORDINATE WITH PNM AND THE CITY OF ALBUQUERQUE. POWER SHALL NEITHER BE TURNED ON OR OFF UNTIL RESPONSIBLE PARTIES FOR EACH LIGHTING SYSTEM HAVE BEEN NOTIFIED. CONTRACTOR SHALL PROVIDE WRITTEN NOTICE TO THE CITY AND PNM TO DOCUMENT REMOVAL OF EXISTING LUMINAIRES. THE ROADWAY LIGHTING SYSTEM SHALL BE ACCEPTED AND MAINTAINED BY THE CITY OF ALBUQUERQUE AND PNM. THE CONTRACTOR SHALL PROVIDE THE CITY AND PNM FIVE (5) WORKING DAYS NOTICE IN ADVANCE OF TURNING ON THE SYSTEM TO ALLOW THE CITY AND PNM TO INSPECT AND APPROVE THE SYSTEM BEFORE IT IS TURNED ON. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND COSTS OF ENERGIZING THE LIGHTING SYSTEM UNTIL SUCH TIME THAT THE CITY AND PNM ACCEPT THE SYSTEM.

20. THE CONTRACTOR SHALL REMOVE EXISTING SERVICE RISERS, SERVICE POLES, CONTROL CABINETS AND EXISTING WIRING AS REQUIRED BY PNM AND AS DIRECTED BY THE PROJECT MANAGER.

21. PNM WILL ASSIST WITH IDENTIFICATION OF EXISTING CIRCUITS. THE CONTRACTOR SHALL BE REQUIRED TO TIE THE NEW CIRCUITS INTO EXISTING CIRCUITS AS DIRECTED BY THE PROJECT MANAGER. THE CONTRACTOR SHALL USE APPROPRIATE CAUTION WHEN INTERCEPTING EXISTING CIRCUITS.

22. STREET LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN THE REQUIRED PNM VERTICAL AND HORIZONTAL CLEARANCE FROM THE PHASE CONDUCTOR. PNM WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.

SIGNAL INCIDENTAL ITEMS*

*ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS AND MAY OR MAY NOT BE COMPLETE.

TRAFFIC SIGNAL AND LIGHTING REMOVALS

1. SOME EXISTING TRAFFIC SIGNAL CONDUIT SHALL BE ABANDONED IN PLACE OR REMOVED AS DIRECTED BY THE PROJECT MANAGER. ALL WIRING SHALL BE REMOVED FROM ABANDONED CONDUITS.

2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING AND RESETTING SOME OF THE EXISTING TRAFFIC SIGNAL EQUIPMENT AT THE INTERSECTION OF CARLISLE/CONSTITUTION.

CITY STANDARD DRAWINGS

CITY OF ALBUQUERQUE STANDARD DRAWINGS ARE INCORPORATED INTO THIS PLAN SET BY REFERENCE. THE CONTRACTOR IS DIRECTED TO THESE PARTICULAR STANDARD DRAWINGS FOR INFORMATION SPECIFIC TO THIS PROJECT.

PULL BOX DETAILS	2550
CONTROLLER CABINETS & PEDESTAL FOUNDATION	2555
FOUNDATION DETAILS, TYPE II AND TYPE III STANDARDS	2558
TRAFFIC SIGNAL ELECTRICAL SERVICE	2570
SIGNING AND CONSTRUCTION TRAFFIC CONTROL	2801-2808

TRAFFIC SIGNAL LEGEND

NEW	EXISTING	ITEM
		PULL BOX
		SERVICE POLE
		METER PEDESTAL
		CONTROLLER CABINET
		CONDUIT RUN (SIGNALS)
		CONDUIT RUN (LIGHTING)
		CONDUIT RUN (INTERCONNECT)
		LOOP DETECTOR
		TRAFFIC SIGNAL PEDESTAL POLE
		CONDUIT RUN NUMBER (SIGNAL)
		CONDUIT RUN NUMBER (POWER SERVICE)
		CONDUIT RUN NUMBER (INTERCONNECT)
		CONDUIT RUN NUMBER (WARNING BEACON)
		TYPE II STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACKPLATE, AND OPTICAL DETECTOR
		TYPE III STANDARD WITH MASTARM, TRAFFIC SIGNAL, BACKPLATE, OPTICAL DETECTOR, LUMINAIRE, AND VIDEO CAMERA
		PEDESTRIAN PUSH BUTTON (MOUNTED TO SIDE OF POLE WHERE INDICATED)
		PEDESTRIAN SIGNALS (MOUNTED TO SIDE OF POLE WHERE INDICATED)
		SPLICE CABINET
		TRAFFIC MANHOLE
		VIDEO CAMERA

FOR INFORMATION ONLY



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



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

CARLISLE BLVD & CONSTITUTION AVE
INTERSECTION IMPROVEMENTS

TRAFFIC SIGNAL NOTES & LEGEND

DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL

ZONE MAP NO



J-16

CITY PROJECT NO.

5014.03

SHEET NO.

4-1, 11 of 14

LOPUSH, J. 7/31/2013 3:46 PM BY: SMITH, RAYMOND J.
K:\PROJECTS\56202\TASK 6 - CARLISLE MEDIAN\PLAN\56202TSD1.DWG

ABBREVIATIONS
MA# MASTARM NUMBER
PP# PEDESTRIAN POLE NUMBER
PPB# PEDESTRIAN PUSH BUTTON NUMBER
CC# CONTROLLER CABINET NUMBER
PB# PULLBOX NUMBER
3# SIGNAL HEAD NUMBER
MH# MANHOLE NUMBER

SYMBOL KEY
MA# SIGNAL & CABINET ID
CONDUIT RUN

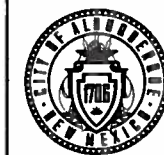
CONDUIT AND CONDUCTOR REQUIREMENTS									
CONDUIT LENGTH, SIZE, AND TYPE						CONDUIT FILL BY CONTRACTOR LENGTH AND TYPE			
RUN ID	SIZE/LENGTH				TYPE	REMARKS	MCC 5	MCC 20	SCC 2
	1"	2"	3"	4"			(# @ FT.)	(# @ FT.)	(# @ FT.)
S1		80			REC	POWER POLE TO MH 1	@	@	3 @ 85
1			70		REC	MH 1 TO PB4	1 @ 80	2 @ 80	@
2			10		REC	PB 4 TO MA2 (NEW LOCATION)	1 @ 20	1 @ 20	@
3			30		REC	PB4 TO PB6	2 @ 40	2 @ 40	@
4		10			REC	PB6 TO PP2 (EXIST LOCATION)	3 @ 20	@	@
TOTAL		90	110				340	280	255
									160

FOR INFORMATION ONLY

0 5 10
SCALE: 1"=5'



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



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

CARLISLE BLVD & CONSTITUTION AVE
INTERSECTION IMPROVEMENTS

TRAFFIC SIGNAL CABLES & CONDUIT

DESIGN REVIEW COMMITTEE
APPROVED
AUG 05 2013
DESIGN REVIEW COMMITTEE

CITY ENGINEER APPROVAL
APPROVED
AUG 05 2013
CITY ENGINEER

ZONE MAP NO.
J-16
CITY PROJECT NO.
5014.03
SHEET NO.
4-3, 13 of 14

DESIGNED BY: EJM
DRAWN BY: RJS
CHECKED BY: DHW
DATE: JULY 2013

NO. DATE DATE DATE
DESCRIPTION CONTRACTOR
WORK STACKED BY:
INSPECTOR'S ACCEPTANCE BY:
FIELD VERIFICATION BY:
DRAWINGS CORRECTED BY:



PROJECT BENCHMARK IS CITY OF
ALBUQUERQUE CONTROL STATION "7-J16".
PUBLISHED ELEVATION 5174.166.
ELEVATIONS ARE ADJUSTED BASED ON COA
BENCHMARK (NAD 83).

CONSULTANTS

Gannett Fleming West, Inc.
2155 LOUISIANA BLVD. NE
SUITE 7000
ALBUQUERQUE, NEW MEXICO 87110
505-265-8468

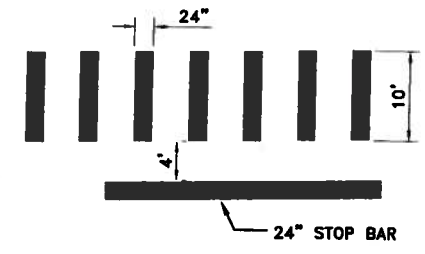
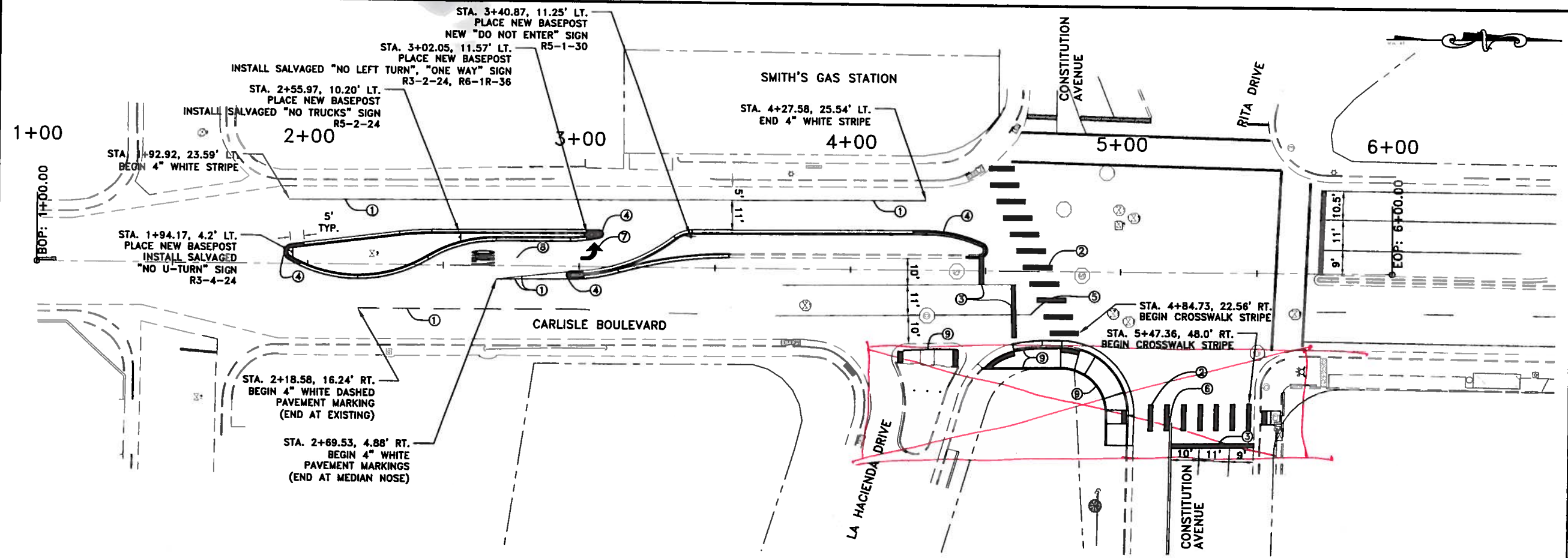
TYPICAL SIGNAL FACE
LENS ARRANGEMENTS

RYG
1M1, 2M1, 3M1

RYG
1A, 1B, 2A,
2B, 3A, 3B,
4A, 5A, 6A

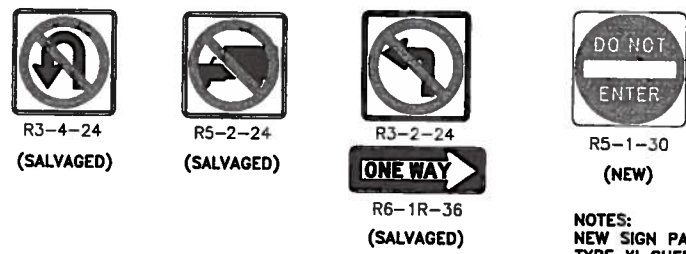
CARLISLE BOULEVARD

CONSTITUTION AVENUE

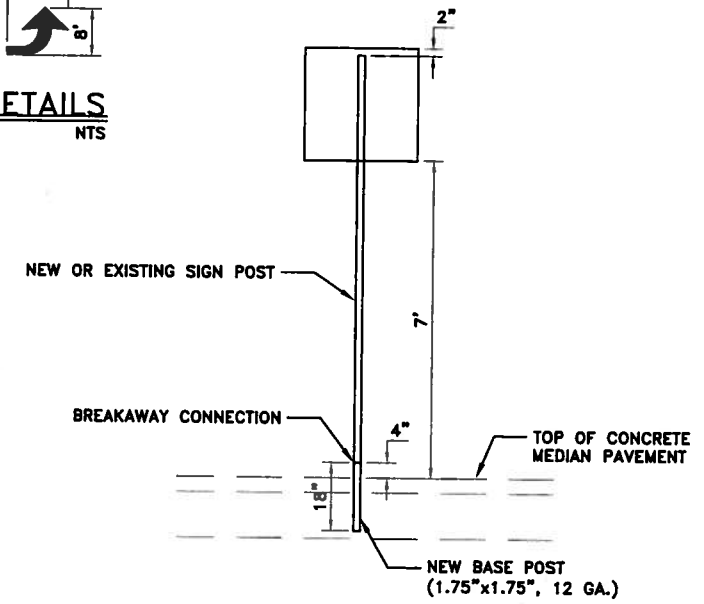
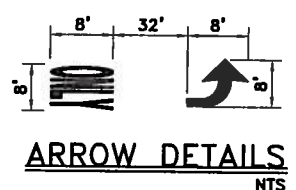


NOTE:
 1. ALL PAVEMENT MARKINGS
 WHITE THERMOPLASTIC
 2. CROSSWALK STRIPES SHALL BE
 PLACED OUTSIDE OF WHEELPATH.

CROSSWALK STRIPING DETAIL
 NTS



SIGN FACE DETAILS
 NTS

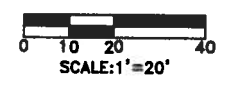


SIGN POST DETAILS
 NTS

NOTES:
 1. SIGN INSTALLATION SHALL BE PER SECTION 450.
 2. SALVAGED SIGNS SHALL USE EXISTING SIGN
 POSTS AND NEW BASE POSTS.

- NEW STRIPING:**
- ① 4" WHITE PAVEMENT MARKING
 - ② 24" WHITE THERMOPLASTIC PAVEMENT MARKING (CROSS WALK)
 - ③ 24" WHITE THERMOPLASTIC PAVEMENT MARKING (STOP BAR)
 - ④ RETROREFLECTORIZED YELLOW PAINTED MEDIAN NOSE
(EXTEND 5' BEYOND TANGENT POINT)
 - ⑤ REMOVAL OF 4" WHITE STRIPE
 - ⑥ REMOVAL OF 4" DOUBLE YELLOW STRIPE
 - ⑦ RETROREFLECTORIZED PLASTIC LEFT TURN ARROW
 - ⑧ RETROREFLECTORIZED PLASTIC WORD ONLY
 - ⑨ RETROREFLECTORIZED YELLOW PAINTED HEADER CURB
- NOTE: MEDIAN NOSES SHALL BE POWER
 WASHED TO REMOVE CURING COMPOUND AFTER
 SEVEN DAYS, PRIOR TO NOSES BEING PAINTED.

FOR INFORMATION ONLY



CITY OF ALBUQUERQUE
 DEPARTMENT OF MUNICIPAL DEVELOPMENT
 ENGINEERING DIVISION
 CARLISLE BLVD & CONSTITUTION AVE
 INTERSECTION IMPROVEMENTS
SIGNING AND STRIPING PLAN

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	ZONE MAP NO.
APPROVED AUG 05 2013 DESIGN REVIEW COMMITTEE	APPROVED AUG 05 2013 CITY ENGINEER	J-16
		CITY PROJECT NO. 5014.03
		SHEET NO. 4-4, 14 of 14

CONSULTANT S
Ennatt Fleming West, Inc.
 Experience Delivered As Promised
 2155 LOUISIANA BLVD. NE
 SUITE 7000
 ALBUQUERQUE, NEW MEXICO 87110
 505-265-8468

PROJECT BENCHMARK IS CITY OF
 ALBUQUERQUE CONTROL STATION "7-J16".
 PUBLISHED ELEVATION 5174.166.
 ELEVATIONS ARE ADJUSTED BASED ON COA
 BENCHMARK (NAD 88).



NO.	DATE	DESCRIPTION	CONTRACTOR	DATE	DATE	DATE

DESIGNED BY: RJS
 DRAWN BY: RJS
 CHECKED BY: E.J.H.
 DATE: JULY 2013

Layout: 7/31/2013 2:36 PM BY: SMITH, RAYMOND J.
 K:\PROJECTS\56202\56202\56202\STRIPING\2013\56202\STRIPING\2013.DWG