CITY OF ALBUQUERQUE
NEW MEXICO

I, THE UNDERSIGNED, A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THE INDICATED RECORD DRAWINGS ARE BASED UPON INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR IN THE FORM OF RED-LINED CONSTRUCTION DRAWING MARKUPS TO THE ORIGINAL DESIGN DRAWINGS. THE TRANSFER OF INFORMATION HEREIN IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. HOWEVER, I HAVE NOT VERIFIED THE ACCURACY AND/OR COMPLETENESS OF THE INFORMATION PROVIDED BY THE CONSTRUCTION CONTRACTOR AND SHALL NOT BE RESPONSIBLE FOR ERRORS OR OMISSIONS THAT MAY BE INCORPORATED AS A RESULT OF ERRONEOUS INFORMATION PROVIDED BY OTHERS. ALL INFORMATION INCLUDING VERTICAL AND HORIZONTAL DIMENSIONS SHOULD BE FIELD VERIFIED PRIOR TO USE ON FUTURE PROJECTS.

NAME _____ DATE 11/6/2012

EDWARD L. POTTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER

CITY OF ALBUQUERQUE · NEW MEXICO · 1706

LOCATION MAP NTS

ZONE ATLAS MAP K–16, K–17
NTS

Construction Project Information

City Inspector:	Lemuel Baca
City Project Coordinator:	Not Applicable
Urban Program Supervisor:	Adam Bergstrasser
Construction Engineer:	Bill Woodward
Contractor:	Bixby
Contractor Project Manager:	Dick Rowles
Surveyor:	Albuquerque Surveying
City Project Manager:	Jim Hamel
Letter of Acceptance Date:	June 15, 2012

DEPARTMENT OF MUNICIPAL DEVELOPMENT
CONSTRUCTION PLANS FOR CENTRAL AVENUE PEDESTRIAN IMPROVEMENTS PROJECT
PEDESTRIAN / ROADWAY LIGHTING (PHASE II)
(CENTRAL AVE - MONTE VISTA BLVD TO MORNINGSIDE DR)
COA PROJECT NO. 7795.04

SHEET INDEX

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3	SUMMARY OF QUANTITIES
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9-10	MISCELLANEOUS DETAILS
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12	BRYN MAWR TO WELLESLEY PLAN
13	TULANE TO CARLISLE PLAN
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39	CENTRAL AVE. STA 0+00 STA 7+00
40	CENTRAL AVE. STA 7+00 STA 14+00
41	CENTRAL AVE. STA 14+00 STA 21+00
42	CENTRAL AVE. STA. 21+00 STA 28+00
43	CENTRAL AVE. STA. 28+00 STA 35+00
44	CENTRAL AVE. STA. 35+00 STA 42+00
45-48	DECORATIVE POLE & LUMINAIRE DETAILS
49-51	VOLTAGE DROP CALCULATIONS

TOTAL SHEETS = 51

APPROVED AS RECORD DRAWINGS
DMD/CSD
CITY CONSTRUCTION ENGINEER
DATE: 3-26-2013

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

HDR ENGINEERING INC. | ONE COMPANY *Many Solutions*

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE

ENGINEERS STAMP & SIGNATURE

EDWARD L. POTTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER
FEB 7, 2011

APPROVALS	ENGINEER	DATE
DRC Chairman	Woodall	3/14/11
Transportation		2-16-11
Water/Wastewater		2-8-11
Hydrology		2-8-11
Parks		
Constr. Mngmt.		
Constr. Coord.		

APPROVED FOR CONSTRUCTION

City Engineer Date 3-11-11

City Project No. 7795.04

Sheet 1 Of 51

RECORD DRAWING

Date: Feb 04, 2011 - 7:31am kmaese Layout: Sheet
Xrefs: None - C:\Users\kmaese\Documents\Projects\2008\08-0401\Drawings\Plan Sheets\08-0401 Plan

PROPOSED	EXISTING	DESCRIPTION
S	(S)	SANITARY SEWER MANHOLE
SD	(SD)	STORM DRAIN MANHOLE
C	(C)	COMMUNICATION MANHOLE
E	(E)	ELECTRIC MANHOLE
SAS	SAS 8" CP	SANITARY SEWER LINE w/SIZE & TYPE
SD	SD 48" RCP	STORM DRAIN LINE w/SIZE & TYPE
W	W 6" CI	WATER LINE w/SIZE & TYPE
	E	OVERHEAD ELECTRICAL LINE
		ELECTRICAL RISER
UE	UE	UNDERGROUND ELECTRICAL/TRAFFIC CONTROL
	UT	UNDERGROUND TELEPHONE
	OH TEL	OVERHEAD TELEPHONE
	G 2" HP	GAS LINE w/SIZE & TYPE
	CATV	CABLE TELEVISION LINE
		ENCASEMENT
		STORM INLET (GRADE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
		WATER RISER
	WV	WATER VALVE
		BUTTERFLY VALVE
		FIRE HYDRANT
		REDUCER
		SAS SERVICE CONNECTION
		WATER SERVICE CONNECTION
		TEES
		CROSSES
		BENDS
		CAPS & PLUGS
WM	WM	WATER METER
GM	GM	GAS METER
GV		GAS RISER
VB	VB	VALVE BOX
PP		POWER POLE
SP		TRAFFIC SIGNAL
TC		TRAFFIC CONTROL BOX
PB	PB	PULL BOX
		TELEPHONE RISER
	TB	TELEPHONE BOOTH
	FA	FIRE ALARM BOX
		CURB & GUTTER
SW	SW	SIDEWALK
		BLOCK WALL
		CHAIN LINK FENCE
		FIELD FENCE
		RIGHT OF WAY LINES
		PROPERTY LINES(SIDE)
		PUBLIC EASEMENT
		POWER POLE W/LIGHT
		DRIVEPAD
		MOBILITY IMPAIRED ACCESS RAMP
		C.O.A. PROJECT CONTROL POINT OR A.C.S. MONUMENT DO NOT DISTURB
		TEST BORING
		HORIZ. & VERT. CONTROL
℄		CENTERLINE
FL		FLOW LINE ELEVATION
TC		TOP OF CURB ELEVATION
TOC		TOP OF CONCRETE ELEVATION

Date: Feb 16, 2011 - 4:56pm angutier Layout: Sheet
Drawing Name: c:\pw\working\plan\d0160633\224228-02-GN01.dwg

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.
2. IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE ACTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 340.050 CURB AND GUTTER STANDARD, PCC, INCLUDE SUBGRADE AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
3. NO MATERIAL PITS HAVE BEEN DESIGNATED FOR THIS PROJECT. THE CONTRACTOR MAY OBTAIN SPECIFICATION BORROW OR SURFACING MATERIAL FROM ANY ACCEPTABLE SOURCE.
4. 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 202.011 EXCAVATE & DISPOSE OF UNSUITABLE MATERIAL, COMPL. AND NO SEPARATE MEASUREMENT AND PAYMENT WILL BE MADE FOR CLEANING OF STRUCTURES.
5. 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.
6. 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 SUB GRADES IN URBAN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES.
7. 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, 1986 EDITION THROUGH UPDATE NO.7, OR AS MODIFIED BY THE PROJECT SPECIFICATIONS TITLED CENTRAL AVENUE PEDESTRIAN LIGHTING IMPROVEMENTS PHASE II, AS STATED IN THE SPECIAL PROVISIONS.
8. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, 260-1990, FOR LOCATION OF EXISTING UTILITIES.
9. 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.
10. 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.
11. WHEN ABUTTING NEW PAVEMENT TO EXISTING, CONTRACTOR SHALL SAWCUT, 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 CONSIDERED INCIDENTAL TO ITEM 340.050 CURB AND GUTTER STANDARD PCC, INCLUDE SUBGRADE AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR.
12. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, 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 CONTRACTOR'S OWN EXPENSE.
13. CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING, AT CONTRACTOR'S OWN EXPENSE, ALL PERMITS NECESSARY FOR CONSTRUCTION.
14. ALL WORK IMPACTING AN ARTERIAL ROADWAY WILL REQUIRE 24-HOUR CONSTRUCTION IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE'S ORANGE BARREL POLICY.
15. 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.
16. OVERNIGHT PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
17. THE CONTRACTOR SHALL NOTIFY THE ENGINEER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO ENSURE THE PRESERVATION OF SURVEY MONUMENTS. THE CONTRACTOR 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. ONLY THE CITY SURVEYOR SHALL REPLACE SURVEY MONUMENTS. 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 STANDARD SPECIFICATIONS SECTION 4.4.
18. ALL TRENCH EXCAVATION BACKFILL WITHIN THE ROADWAY PRISM SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR PER ASTM D-698 OR D-1557 AS APPLICABLE.
19. ANY EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCLUDED IN THE CONTRACT PRICE FOR ITEM 202.011 EXCAVATE AND DISPOSE OF UNSUITABLE MATERIAL, COMPL. AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
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 PRICE FOR 202.011 EXCAVATE & DISPOSE OF UNSUITABLE MATERIAL, COMPL. AND NO SEPARATE PAYMENT WILL BE MADE THERFOR.
21. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CENTRAL AVENUE RIGHT OF WAY OR 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 ITEM 6.050 CONSTRUCTION MOBILIZATION, COMPL. AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
22. WHEN EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER DIRECT TRAFFIC. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 19.010 CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL. AND NO ADDITIONAL PAYMENT WILL BE MADE.
23. 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.
24. 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.
25. THE CONTRACTOR WILL BE RESPONSIBLE FOR DISPOSING OF ALL DEBRIS, INCLUDING, NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH ITEMS.
26. THE CONTRACTOR SHALL NOT PAVE OVER EXISTING WATER VALVE COVERS OR MANHOLE LIDS. IF FINISHED GRADE VARIES FROM EXISTING IN THE VICINITY OF EXISTING VALVES OR MANHOLES, CONTRACTOR SHALL ADJUST THE MANHOLE RIM OR VALVE CAN COVER AND COLLAR TO THE NEW GRADE. SEE STANDARD DWG 2461 FOR VALVE AND SEWER MANHOLE COLLAR, OR STAND DWG 2460 WHICH MAY BE USED FOR THE SEWER MANHOLE ADJUSTMENT ONLY. SEE STANDARD DWGS 2326 AND 2328 FOR THE VALVE CAN, COVER, AND RING, VALVE CAN MATERIAL WILL BE TAR COATED CMP ONLY. THIS WORK SHALL BE PAID FOR UNDER ITEM 920.410- "EXISTING MANHOLE FRAME & COVER, ADJUST TO GRADE WITH METAL RINGS OVER 2", 801.111- "VALVE BOX, RING & COVER, ADJUST TO GRADE."
27. CONTRACTOR SHALL ADJUST ALL WATER VALVE BOXES, WATER METER BOXES, VAULT LIDS AND OTHER APPURTENANCES TO FINISH GRADE PER COA STANDARD DETAIL 2328. THIS WORK SHALL BE PAID FOR UNDER ITEM 801.111 VALVE BOX, ADJUST TO GRADE AND ITEM 802.400 WATER METER BOX, ADJUST TO GRADE, COMPL.
28. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL PROJECT HAS BEEN ACCEPTED BY THE COA. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 19.010 CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL. AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
29. CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF WATER SHUT OFF AT LEAST SEVEN (7) WORKING DAYS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT THE ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY, 857-8200. VALVES SHALL BE OPERATED ONLY BY WATER AUTHORITY CREWS.
30. CONTRACTOR SHALL NOTIFY ALBUQUERQUE BERNALILLO COUNTRY WATER UTILITY AUTHORITY, 857-8200, & THE CITY OF ALBUQUERQUE FIRE DEPARTMENT AT LEAST SEVEN (7) WORKING DAYS IN ADVANCE OF DAY THAT FIRE HYDRANTS WILL BE TAKEN OUT OF AND RETURNED TO SERVICE. ANY EXISTING FIRE HYDRANT THAT NEEDS TO BE RELOCATED MAY NOT BE REINSTALLED BECAUSE IT WILL LIKELY FAIL HYDROSTATIC TESTS. THE OLD FIRE HYDRANT SHOULD BE SALVAGED TO THE PINO YARDS AND A NEW FIRE HYDRANT INSTALLED PER STANDARD DWG 2340.
31. ALL ASPHALT PAVING DUE TO THE INSTALLATION OF DRIVEPADS, SIDEWALK AND/OR CURB & GUTTER SHALL BE INCIDENTAL ITEM 340.050 CURB & GUTTER STANDARD, PCC, INCLUDE SUBGRADE PREP., CIP AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
32. BOTH CURBS AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH YELLOW REFLECTIVE PAINT (WATER BASE). THIS WORK SHALL BE INCIDENTAL TO ITEM NO. 340.110, HEADER CURB, STANDARD, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREP, CIP SD 2415 AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.

UTILITY CONTACTS

MONTOYA, ANTHONY	OFFICE PHONE: (505)768-2713 OFFICE FAX: 768-3629 ALMONTOYA@ABCWUA.ORG	ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY P.O. BOX 1293 ALBUQUERQUE, NM 87103
BLAUWKAMP, ROLAND	OFFICE PHONE: (505) 241-3606 OFFICE FAX: (505) 241-0559 CELL: (505) 401-7516 RBLAUWK@PNM.COM	PNM ELECTRIC MAIL STOP ES61 4201 EDITH BLVD. NE ALBUQUERQUE, NM 87107
BOUSKA, KELLY	OFFICE PHONE: (505) 241-7752 OFFICE FAX: (505) 241-7753 KBOUSKA@PNM.COM	NEW MEXICO GAS CO. MAIL STOP GS66 4625 EDITH BLVD. NE ALBUQUERQUE, NM 87107
BROWN, JOHN	CELL PHONE: (505) 450-2338 OFFICE FAX: (505) 314-0890 JOHN@BCGASSETS.COM	BCG ASSETS 505 MARQUETTE AVENUE NW SUITE LL-110A ALBUQUERQUE, NM 87102
CROWEL, DAVID	OFFICE PHONE: (505) 842-2911 OFFICE FAX: 842-2890 DCROWEL@ATT.COM	AT&T RESOURCE SUPERVISOR 111 3RD STREET NW ALBUQUERQUE, NM 87103
DARNELL, ANDY	OFFICE PHONE: (505) 346-4470 OFFICE FAX: 348-8666 ANDY.DARNELL@MCI.COM	MCI WORLDCOM OPERATIONS MANAGER 6001 MIDWAY PARK NE ALBUQUERQUE, NM 87109
ERICKSON, RITA	OFFICE PHONE: (505) 761-6235 OFFICE FAX: (505) 761-0599 RITA_ERICKSON@CABLE.COMCAST.COM	COMCAST PLANNING AND DESIGN SUPERVISOR 4611 MONTBEL PLACE NE ALBUQUERQUE, NM 87107
HARRISON, ROYAL	OFFICE PHONE: (505) 938-7339 OFFICE FAX: 938-7380 ROYAL.HARRISON@TWTELECOM.COM	TIME WARNER TELECOM PLANT MANAGER 3830 SINGER BLVD. NE SUITE 1000 ALBUQUERQUE, NM 87109
KELLY, LARRY	OFFICE PHONE: (505) 246-0501 OFFICE FAX: (505) 246-0479 CELL: (505) 270-3442 LARRY.KELLY@QWEST.COM	QWEST LONG DISTANCE SR. OPERATIONS TECH 400 TIJERAS NW SUITE 570 ALBUQUERQUE, NM 87102
MUELLER, RICK	OFFICE PHONE: (505) 244-3161 OFFICE FAX: (505) 244-0094 CELL: 228-3329 RDMUELLER@MCLEODUSA.COM	MCLEOD USA SUPERVISOR OF OUTSIDE TECHS. 505 MARQUETTE NW (COMPASS BANK) SUITE 1600 ALBUQUERQUE, NM 87102
REDMAN, RICHARD	OFFICE PHONE: (505) 245-6098 OFFICE FAX: (505) 245-6733 CELL: PAGER: RICHARD.REDMAN@QWEST.COM	QWEST FIELD ENGINEER NM ENGINEERING/PLANNING 400 TIJERAS NW, ROOM 710 ALBUQUERQUE, NM 87102

INCIDENTAL ITEMS *

- CORRECTION OF PAVEMENT DROP-OFF: SEE GENERAL NOTE 2, THIS SHEET
- CLEAN EXISTING STRUCTURES: SEE GENERAL NOTE 4, THIS SHEET
- MATCH EXISTING PAVEMENTS: SEE GENERAL NOTE 11, THIS SHEET
- EARTHWORK HAUL SEE GENERAL NOTE 19, THIS SHEET
- REMOVALS: SEE GENERAL NOTE 20, THIS SHEET
- CONSTRUCTION EQUIPMENT AND MATERIAL STORAGE: SEE GENERAL NOTE 21, THIS SHEET
- OFF DUTY POLICE OFFICER: SEE GENERAL NOTE 22, THIS SHEET
- EXISTING WATER VALVE COVERS: SEE GENERAL NOTE 26, THIS SHEET
- EXISTING WATER VALVE, METER BOXES AND VAULT LID ADJUSTMENTS: SEE GENERAL NOTE 27, THIS SHEET
- PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING, SEE GENERAL NOTE 28, THIS SHEET
- ASPHALT PAVING: SEE GENERAL NOTE 31, THIS SHEET
- REFLECTIVE YELLOW PAINT: SEE GENERAL NOTE 32, THIS SHEET
- RELOCATION OF WASTE RECEPTACLE: SEE PLAN SHEETS
- REMOVE AND RESET EXISTING STEEL COVER: SEE MISCELLANEOUS QUANTITIES
- SEE SHEET 33 FOR ADDITIONAL INCIDENTAL ITEMS

CALL BEFORE YOU DIG!
STATEWIDE
1-800-321-ALERT
ALBUQUERQUE
260-1990

WHEN APPEARING IN ANY PORTION OF THIS CONTRACT, THE WORDS "PLANT MIX BITUMINOUS PAVEMENT" (PMBP) WILL HAVE THE SAME MEANING AS AND MAY BE USED INTERCHANGEABLY WITH THE WORDS "ASPHALT CONCRETE".

AS BUILT INFORMATION

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18, ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.9996664599
NORTHING = 1483955.175
EASTING = 1538790.505

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

CONTRACTOR: BIXBY ELECTRIC DATE 8/12
WORK STAKED BY: SMAA DATE 8/12
ACCEPTANCE BY COA DATE 8/12
VERIFICATION BY COA DATE 8/12
AS-BUILTS BY: HDR ENGINEERING DATE 8/12
RECORDED BY:
NO.

ENGINEER'S SEAL
EDWARD J. POTTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER
Feb 7, 2011

REMARKS / REVISIONS

NO.	DATE	BY
DESIGNED BY: AMG	DATE: 01/11	
DRAWN BY: AMG	DATE: 01/11	
CHECKED BY: ELP	DATE: 01/11	

HDR ENGINEERING INC.

2155 LOUISIANA BLVD., NE
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ALBUQUERQUE, NM 87110
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HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

MICRO-FILM INFORMATION

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
LEGEND, GENERAL NOTES, INCIDENTALS & UTILITY OWNERS

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 2 Of 51

RECORD DRAWING

SUMMARY OF QUANTITIES

BID ITEM NO.	COA ITEM NO.	SHORT DESCRIPTION	UNIT	CONSTRUCTION ENGINEERING		ROADWAY		LIGHTING		UTILITY RELOCATION		PROJECT TOTAL	
				ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
1	4.010	CONSTRUCTION STAKING, COMPL.	LS	1								1	
2	4.020	CONSTRUCTION SURVEYING BY THE CONTRACTOR, COMPL.	LS	1								1	
3	6.010	CONSTRUCTION PROJECT SIGN MOUNTING, ERECTING & MAINTAINING	EA	2								2	
4	6.050	CONSTRUCTION MOBILIZATION, COMPL.	LS	1								1	
5	6.060	CONSTRUCTION DEMOBILIZATION, COMPL.	LS	1								1	
6	19.010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.	LS	1								1	
7	30.020	NPDES PERMITTING, COMPL	LS	1								1	
8	201.010	SITE CLEAR & GRUB, COMPL	AC	1								1	
9	201.060	EROSION CONTROL, INCL. ALL PLANT, LABOR, EQUIP., & MATERIALS, EXCL. SILT FENCE, CIP.	LS			1						1	
10	202.011	EXCAVATE & DISPOSE, UNSUITABLE MATERIAL	CY			50						50	
11	340.010	SIDEWALK, 4" PCC, INCLUDE SUBGRADE COMPACTION, CIP, SD 2430	SY			1420						1420	
12	340.020	DRIVEPAD 6" THICK, INCL. SUBGRADE COMPACTION, CIP, SD 2425	SY			1360						1360	
13	340.023	WHEELCHAIR ACCESS RAMP, 4" PCC, STD. CURB., CIP. SD 2418	SY			560						560	
14	340.050	CURB & GUTTER STANDARD, PCC, INCLUDE SUBGRADE PREP., CIP, SD 2415	LF			2320						2320	
15	340.060	CURB & GUTTER MEDIAN PORTLAND CEMENT CONCRETE, CIP. SD 2408	LF			50						50	
16	340.110	HEADER CURB, PORTLAND CEMENT CONCRETE, INCLUDE SUBGRADE, CIP., SD 2415	LF			710						710	
17	343.080	EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE & DISPOSE, COMPL.	LF			2370						2370	
18	343.090	EXISTING SIDEWALK & DRIVEPAD, SAWCUT, REMOVE & DISPOSE, COMPL.	SY			3340						3340	
19	421.002	SERVICE POLE (LIGHTING), CIP	EA					6				6	
20	421.006	SERVICE RISER (LIGHTING), CIP	EA					6				6	
21	421.016	SERVICE CONNECTION (LIGHTING), CIP	EA					6				6	
22	421.025	LIGHTING CONTROL CABINET, 6 CIRCUIT, UNMETERED, CIP	EA					6				6	
23	422.050	ORNAMENTAL POLE & LUMINAIRE (PED)	EA					84				84	
24	422.051	ORNAMENTAL POLE & LUMINAIRE (COMBINATION)	EA					58				58	
25	423.020	LUMINAIRE FOUNDATION, LUMINAIRE HEIGHT OF 40' OR LESS, CIP	EA					163				163	
26	423.121	STREET LIGHT FOUNDATION REMOVE & DISPOSE, COMPL	EA					65				65	
27	423.0X0	ORNAMENTAL POLE & LUMINAIRE (PED) INSTALLATION ONLY	EA					21				21	
28	424.007	ELECTRICAL CONDUIT, 2", INCL., PUSHING, BORING, & JACKING, CIP.	LF					15412				15412	
29	424.012	ELECTRICAL CONDUIT, 3", INCL., PUSHING, BORING, & JACKING, CIP.	LF					4200				4200	
30	425.002	ELECTRICAL PULL BOX (STANDARD), CIP	EA					75				75	
31	425.020	TRAFFIC MANHOLE, CIP	EA					12				12	
32	425.100	ELECTRICAL PULL BOX, ANY TYPE, ADJUST TO GRADE, COMPL.	EA							8		8	
33	426.001	SINGLE CONDUCTOR CABLE # 2, CIP	LF					30924				30924	
34	426.005	SINGLE CONDUCTOR CABLE #10, CIP	LF					9900				9900	
35	432.001	ROADWAY LUMINAIRE, TYPE 250 S, CIP	EA					58				58	
36	432.010	AREA LUMINAIRE, CIP	EA					163				163	
37	450.102	SIGN, POST, & BASE POST, REMOVE & RELOCATE, COMPL.	EA			18						18	
38	XXX.XX	PEDESTRIAN METAL RAILING	LF			130						130	
39	801.002	6" WATERLINE PIPE EXCL. FITTINGS	LF							60		60	
40	801.059	NON-PRESSURIZED CONNECTION, EXISTING WATERLINE, ALL SIZES, INCL. FITTINGS, COMPL.	EA							5		5	
41	801.081	6" GATE VALVE, CIP. SD 2333	EA							3		3	
42	801.111	VALVE BOX, ADJUST TO GRADE, COMPL. SD 2332	EA							4		4	
43	801.113	FIRE HYDRANT, 4' BURY, MJ, INCLUDING BLOCKING & AGGREGATE, CIP SD 2340	EA							5		5	
44	801.119	FIRE HYDRANT, EXISTING, REMOVE & SALVAGE, COMPL.	EA							5		5	
45	802.570	WATER METER REMOVE & REPLACE, INCL. COVER & LID COMPL.	EA							17		17	
46	920.410	EXISTING MANHOLE FRAME & COVER, ADJUST TO GRADE WITH METAL RINGS OVER 2" CIP. SD 2111	EA							18		18	

AS BUILT INFORMATION

CONTRACTOR: BINSW ELECTRIC DATE: 8/12
INSPECTOR'S START: BY SMMA DATE: 8/12
INSPECTOR'S FIELD CHANGES: BY COA DATE: 8/12
VERIFICATION BY: COA DATE: 8/12
CORRECTED BY: HDR ENGINEERING DATE: 8/12

MICRO-FILM INFORMATION

RECORDED BY:
NO.

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE.
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1461395.175
EASTING = 1538790.905

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

EDWARD L. POTTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER

FEB 25, 2011

NO.	DATE	REMARKS	BY
		REVISIONS	

HDR ENGINEERING INC.
DESIGNED BY: AMG DATE: 01/11
DRAWN BY: AMG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-3400
FAX: (505) 830-3454

HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
SUMMARY OF QUANTITIES

Design Review Committee | City Engineer Approval | Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 3 Of 51

RECORD DRAWING

Date: Feb 25, 2011 - 1:49pm amgutier Layout: Sheet
Drawing Name: c:\jobworking\phx\d0160893\124428-03-5001.dwg

CONTROL SURVEY CONDUCTED BY
SURVEYING CONTROL, INC.
131 MADISON ST., N.E.
ALBUQUERQUE, NEW MEXICO 87108
TEL. (505) 266-0935

STEPHEN J. TOLER
NMPS 11599

LEGEND

- PANEL POINTS
- CONTROL POINTS
- ROADWAY INTERSECTION POINT
- ALIGNMENT PI
- ALIGNMENT PC/PT
- ALIGNMENT CURVE

NOTE: SEE NEXT SHEET FOR SURVEY CONTROL INFORMATION TABLES

GRAPHIC SCALE
40 0 40 80
20 20
1 IN = 40 FT

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "5-K18A AGS". NOTE: NMSP
COORDINATES REVISED AUGUST 1987.
NAD 1983 NMSP COORDINATES CENTRAL ZONE
GROUND TO GRID FACTOR: 0.999664599
NAVD 1988 ELEV = 5247.399
NORTHING = 1483955.1745
EASTING = 1538790.908

AS BUILT INFORMATION

CONTRACTOR	BRENT ELECTRIC	DATE 09/12
SURVEY BY	SMMA	DATE 09/12
CHKED BY	SMMA	DATE 09/12
REDUCTIONS	by COA	DATE 09/12
FIELD		
CONSTRUCTION STAKING	by COA	DATE 09/12
CONSTRUCTION ENGINEERING	by HDR ENGINEERING	DATE 09/12

MICRO-FILM INFORMATION
RECORDED BY:
NO:

ENGINEER'S SEAL
EDWARD L. MATTHEWS, JR.
NEW MEXICO
17633
PROFESSIONAL ENGINEER
FEB 7, 2011

NO.	DATE	REMARKS	BY
		REVISIONS	

HDR ENGINEERING INC.
DESIGNED BY: AMG DATE: 01/11
DRAWN BY: AMG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

2155 LOUISIANA BLVD., NE
SUITE 9000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
GEOMETRIC SHEET

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 4 Of 51

RECORD DRAWING

Date: Feb 04, 2011 - 7:34am Jmapes Layout: Sheet
Drawing Name: c:\pwworking\phx\d0180931\734428-04-SC01.dwg

POINT ID	NORTHING	EASTING	DESCRIPTION
CONTROL POINTS			
3	1484926.262	394285.787	ELEVATION 5199.60
14	1484725.652	395841.976	ELEVATION 5220.56
15	1484700.621	395584.785	ELEVATION 5217.20
30	1485445.511	391550.008	ELEVATION 5190.07
31	1485274.258	391960.106	ELEVATION 5195.74
32	1485520.622	392003.300	ELEVATION 5190.90
33	1485303.021	392386.035	ELEVATION 5199.10
34	1485150.403	392755.694	ELEVATION 5201.55
35	1485096.286	393086.818	ELEVATION 5203.88
36	1485465.795	393125.385	ELEVATION 5187.64
37	1485078.950	393449.105	ELEVATION 5201.38
38	1485051.505	393873.535	ELEVATION 5199.82
39	1484713.639	393839.679	ELEVATION 5211.81
40	1484830.903	394991.680	ELEVATION 5203.45
41	1484939.136	394593.395	ELEVATION 5197.47
42	1485179.889	394946.228	ELEVATION 5205.40

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION CENTRAL AVE.			
1	1485391.44	391616.11	PI STA. 0+83.75
3	1485237.15	391987.19	STA. 4+60.35 (CENTRAL) = STA. 12+43.89 (DARTMOUTH)
6	1485262.32	392361.43	STA. 8+40.17 (CENTRAL) = STA. 12+53.85 (RICHMOND)
9	1485196.88	392739.14	STA. 12+23.50 (CENTRAL) = EOP STA. 11+92.49 (BRYN MAWR SOUTH)
10	1485198.57	392729.43	STA. 12+13.65 (CENTRAL) = BOP STA. 20+00.00 (BRYN MAWR NORTH)
13	1485133.06	393107.56	STA. 15+97.41 (CENTRAL) = STA. 12+48.76 (WELLESLEY)
16	1485067.47	393486.16	STA. 19+81.65 (CENTRAL) = STA. 11+87.59 (TULANE)
19	1485002.80	393859.50	STA. 23+60.55 (CENTRAL) = STA. 12+96.16 (AMHERST)
21	1484940.41	3942919.60	PI STA. 27+26.01
23	1484939.24	394228.24	STA. 27+34.74 (CENTRAL) = EOP STA. 12+36.30 (CARLISLE SOUTH)
24	1484938.20	394235.94	STA. 27+42.50 (CENTRAL) = BOP STA. 20+00.00 (CARLISLE NORTH)
30	1484892.17	394576.70	STA. 30+86.36 (CENTRAL) = EOP STA. 12+53.13 (HERMOSA SOUTH)
31	1484884.14	394636.18	STA. 31+46.38 (CENTRAL) = BOP STA. 20+00.00 (HERMOSA NORTH)
34	1484845.63	394921.22	STA. 34+34.01 (CENTRAL) = EOP STA. 11+80.56 (SOLANO SOUTH)
35	1484839.68	394965.31	STA. 34+78.50 (CENTRAL) = BOP STA. 20+00.00 (SOLANO NORTH)
38	1484799.11	395265.59	STA. 37+81.51 (CENTRAL) = EOP STA. 11+79.03 (ALISO SOUTH)
39	1484795.14	395294.98	STA. 38+11.16 (CENTRAL) = BOP STA. 20+00.00 (ALISO NORTH)
42	1484753.45	395603.64	STA. 41+22.62 (CENTRAL) = EOP STA. 12+93.53 (MORNINGSIDE SOUTH)
43	1484750.56	395625.02	STA. 41+44.20 (CENTRAL) = BOP STA. 20+00.00 (MORNINGSIDE NORTH)

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION DARTMOUTH DR			
2	1485083.27	391984.69	BOP STA. 10+00.00
4	1485523.79	391989.20	EOP STA. 14+40.55

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION RICHMOND DR			
5	1485008.48	392358.72	BOP STA. 10+00.00
7	1485501.90	392363.98	EOP STA. 14+93.44

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION BRYN MAWR DR SOUTH			
8	1485004.40	392737.61	BOP STA. 10+00.00

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION BRYN MAWR DR NORTH			
11	1485434.52	392728.69	EOP STA. 22+35.95

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION WELLESLEY DR			
12	1484884.30	393107.60	BOP STA. 10+00.00
14	1485383.79	393107.52	EOP STA. 14+99.49

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION TULANE DR			
15	1484879.91	393482.75	BOP STA. 10+00.00
17	1485316.32	393490.69	EOP STA. 14+36.47

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION AMHERST DR			
18	1484706.66	393856.37	BOP STA. 10+00.00
20	1485298.16	393862.61	EOP STA. 15+91.54

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION CARLISLE DR SOUTH			
22	1484702.95	394226.45	BOP STA. 10+00.00

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION CARLISLE DR NORTH			
25	1485025.77	394237.93	PC STA. 20+87.59
26	1485111.41	394239.88	PI STA. 21+73.23
27	1485188.75	394276.74	PT STA. 22+56.37
28	1485197.78	394281.04	EOP STA. 22+66.37

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION HERMOSA DR SOUTH			
29	1484639.05	394574.32	BOP STA. 10+00.00

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION HERMOSA DR NORTH			
32	1485148.89	394636.66	EOP STA. 22+64.76

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION SOLANO DR SOUTH			
33	1484672.39	394919.68	BOP STA. 10+00.00

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION SOLANO DR NORTH			
36	1485036.91	394966.33	EOP STA. 21+97.24

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION ALISO DR SOUTH			
37	1484620.09	395264.25	BOP STA. 10+00.00

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION ALISO DR NORTH			
40	1485035.57	395296.28	EOP STA. 22+40.43

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION MORNINGSIDE DR SOUTH			
41	1484459.93	395601.61	BOP STA. 10+00.00

POINT ID	NORTHING	EASTING	DESCRIPTION
CENTERLINE CONSTRUCTION MORNINGSIDE DR NORTH			
44	1485009.53	395626.01	EOP STA. 22+58.98

Date: Feb 04, 2011 - 7:36am lmaslee Layout: Sheet
Drawing Name: c:\uaworking\ahx\d0160983\124428-25-S202.dwg

AS BUILT INFORMATION

CONTRACTOR: DATE:
WORK: DATE:
STAKED BY: DATE:
INSPECTED BY: DATE:
FIELD VERIFICATION BY: DATE:
REDLINES: DATE:
DRAWINGS: DATE:
CORRECTED BY: DATE:

RECORDED BY

NO. DATE: REMARKS BY

REVISIONS

HDR ENGINEERING INC.
DESIGNED BY: AMG DATE: 01/11
DRAWN BY: AMG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

BENCH MARK(S)

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A AGCS". NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES, CENTRAL ZONE
NAVD 1988 ELEV. = 5247.329
GROUND TO GRID FACTOR: 0.9996564599
NORTHING = 1483955.175
EASTING = 1538790.908

SURVEY INFORMATION

FIELD NOTES
NO. BY DATE

ENGINEER'S SEAL
EDWARD L. POTTINGER
NEW MEXICO
17633
PROFESSIONAL ENGINEER
Feb 7, 2011

CONTROL SURVEY CONDUCTED BY
SURVEYING CONTROL, INC.
131 MADISON ST., N.E.
ALBUQUERQUE, NEW MEXICO 87108
TEL. (505) 266-0935

STEPHEN J. TOLER
NMPS 11599

2155 LOUISIANA BLVD. NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN (505) 830-5400
FAX (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

GEOMETRIC SHEET

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 5 Of 51

RECORD DRAWING

CONSTRUCTION ENGINEERING & LUMP SUM ITEMS

ITEM NO.	DESCRIPTION	UNITS
4.010	CONSTRUCTION STAKING BY CONTRACTOR, COMPL.	1 LS
4.020	CONSTRUCTION SURVEYING BY THE CONTRACTOR, COMPL.	1 LS
6.010	CONSTRUCTION PROJECT SIGN MOUNTING, ERECTING & MAINTAINING	2 EACH
6.050	CONSTRUCTION MOBILIZATION COMPL.	1 LS
6.060	CONSTRUCTION DEMOBILIZATION, COMPL	1 LS
19.010	CONSTRUCTION TRAFFIC CONTROL & BARRICADING, COMPL.	1 LS
30.020	NPDES PERMITTING, COMPL.	1 LS
201.060	EROSION CONTROL, INCL. ALL PLANT, LABOR, EQUIP., & MATERIALS, EXCL. SILT FENCE, CIP.	1 LS
201.010	SITE CLEAR & GRUB, COMPL.	1 AC
202.011	EXCAVATE & DISPOSE, UNSUITABLE MATERIAL	50 CY

340.010 SIDEWALK 4" THICK, PORTLAND CEMENT CONCRETE, INCL., SUBGRADE COMPACTION, CIP.SD 2430

343.090 EXISTING SIDEWALK & DRIVEPAD, SAWCUT, REMOVE & DISPOSE COMPL.

STATION	LOCATION	TO	STATION	LOCATION	AREA SY	REMARKS
CENTRAL - DARTMOUTH TO RICHMOND						
4+63.50	48.80 LT	-	4+88.26	41.06 LT	25.56	CENTRAL LT SIDE
4+94.96	41.00 LT	-	5+38.59	41.08 LT	38.78	CENTRAL LT SIDE
				SUBTOTAL:	64.34	
CENTRAL - BRYN MAWR TO WELLESLEY						
12+55.48	5.22 RT	-	12+61.48	5.22 RT	4.32	CENTRAL MEDIAN
12+59.52	40.53 LT	-	12+87.55	40.51 LT	27.47	CENTRAL LT SIDE
				SUBTOTAL:	31.79	
CENTRAL - WELLESLEY TO TULANE						
18+13.04	41.38 RT	-	18+17.12	41.40 RT	3.58	CENTRAL RT SIDE
				SUBTOTAL:	3.58	
CENTRAL - TULANE TO AMHERST						
21+61.41	41.75 RT	-	21+64.93	41.25 RT	3.49	CENTRAL RT SIDE
22+39.93	41.21 RT	-	23+04.39	41.17 RT	56.41	CENTRAL RT SIDE
				SUBTOTAL:	59.90	
CENTRAL - AMHERST TO CARLISLE						
26+08.80	41.30 LT	-	26+14.75	41.32 LT	4.51	CENTRAL LT SIDE
				SUBTOTAL:	4.51	
CENTRAL - CARLISLE TO HERMOSA						
29+47.03	41.28 RT	-	29+93.00	41.39 RT	40.24	CENTRAL RT SIDE
				SUBTOTAL:	40.24	
CENTRAL - HERMOSA TO SOLANO						
31+12.02	58.53 RT	-	31+33.04	47.27 RT	19.15	CENTRAL RT SIDE
32+92.80	41.36 RT	-	32+97.72	41.32 RT	3.88	CENTRAL RT SIDE
				SUBTOTAL:	23.03	
CENTRAL - ALISO TO MORNINGSIDE						
38+19.93	59.56 LT	-	38+21.66	48.56 LT	7.93	CENTRAL LT SIDE
39+98.79	41.01 LT	-	40+37.16	40.94 LT	31.69	CENTRAL LT SIDE
				SUBTOTAL:	39.62	
BRYN MAWR NORTH						
20+61.05	16.66 LT	-	20+72.09	16.59 LT	7.96	BRYN MAWR LT SIDE
21+07.97	16.34 LT	-	21+37.27	16.14 LT	20.12	BRYN MAWR LT SIDE
20+83.87	22.35 RT	-	20+98.86	22.61 RT	9.67	BRYN MAWR RT SIDE
21+23.02	22.99 RT	-	21+38.02	23.23 RT	10.06	BRYN MAWR RT SIDE
				SUBTOTAL:	47.81	
TULANE						
13+09.08	13.14 RT	-	13+27.01	17.76 RT	16.35	TULANE RT SIDE
				SUBTOTAL:	16.35	
AMHERST						
13+52.20	33.10 LT	-	14+68.40	31.76 LT	82.82	AMHERST LT SIDE*
13+66.94	29.14 RT	-	14+39.47	29.03 RT	52.95	AMHERST RT SIDE
14+61.47	28.99 RT	-	14+86.40	29.16 RT	17.81	AMHERST RT SIDE
15+08.39	29.63 RT	-	15+66.34	29.46 RT	42.52	AMHERST RT SIDE
				SUBTOTAL:	196.10	
CARLISLE NORTH						
20+57.49	25.94 LT	-	20+71.17	20.87 LT	6.20	CARLISLE NORTH LT SIDE
20+54.59	22.56 RT	-	20+77.56	21.28 RT	11.39	CARLISLE NORTH RT SIDE
				SUBTOTAL:	17.59	
HERMOSA SOUTH						
11+28.83	18.19 LT	-	11+45.91	18.06 LT	13.07	HERMOSA SOUTH LT SIDE
11+82.07	17.78 LT	-	11+92.95	17.70 LT	8.30	HERMOSA SOUTH LT SIDE
				SUBTOTAL:	21.38	
HERMOSA NORTH						
20+63.71	16.18 LT	-	20+65.41	16.16 LT	0.99	HERMOSA NORTH LT SIDE
				SUBTOTAL:	0.99	
ALSIO SOUTH						
11+09.55	18.06 LT	-	11+13.27	18.05 LT	2.48	ALSIO SOUTH LT SIDE
				SUBTOTAL:	2.48	
ALISO NORTH						
21+15.59	16.18 RT	-	21+53.80	16.20 RT	27.59	ALISO NORTH RT SIDE
				SUBTOTAL:	27.59	
MORNINGSIDE NORTH						
21+04.73	19.62 LT	-	21+76.66	19.91 LT	32.27	MORNINGSIDE NORTH LT SIDE*
				SUBTOTAL:	32.27	
				TOTAL SIDEWALK (REMOVE & REPLACE)	629.58	
				USE	630.00	

* STATION, OFFSET TAKEN AT BACK OF CURB & GUTTER

340.020 - 6" DRIVEPAD 6" THICK, PCC, INCL. SUBGRADE COMPACTION, CIP SD 2425

343.090 EXISTING SIDEWALK & DRIVEPAD, SAWCUT, REMOVE & DISPOSE, COMPL.

STATION	LOCATION	AREA SY	REMARKS
CENTRAL - MONTE VISTA TO DARTMOUTH			
1+55.00	40.65 RT	31.17	CENTRAL RT SIDE, DRIVEWAY
2+71.83	40.77 RT	34.51	CENTRAL RT SIDE, DRIVEWAY
	SUBTOTAL:	65.68	
CENTRAL - DARTMOUTH TO RICHMOND			
6+06.25	40.91 RT	26.93	CENTRAL RT SIDE, DRIVEWAY
7+23.13	41.05 RT	20.88	CENTRAL RT SIDE, DRIVEWAY
	SUBTOTAL:	47.82	
CENTRAL - RICHMOND TO BRYN MAWR			
10+48.99	40.61 LT	26.91	CENTRAL LT SIDE, DRIVEWAY
11+09.85	40.62 LT	39.61	CENTRAL LT SIDE, DRIVEWAY
	SUBTOTAL:	66.52	
CENTRAL - BRYN MAWR TO WELLESLEY			
13+59.79	41.25 RT	31.71	CENTRAL RT SIDE, DRIVEWAY
14+17.13	41.22 RT	19.20	CENTRAL RT SIDE, DRIVEWAY
	SUBTOTAL:	50.90	
CENTRAL - WELLESLEY TO TULANE			
18+00.04	41.34 RT	23.02	CENTRAL RT SIDE, DRIVEWAY
18+32.11	41.39 RT	26.55	CENTRAL RT SIDE, DRIVEWAY
19+16.84	41.06 RT	33.86	CENTRAL RT SIDE, DRIVEWAY
	SUBTOTAL:	83.43	
CENTRAL - TULANE TO AMHERST			
20+88.76	41.21 RT	26.06	CENTRAL RT SIDE, DRIVEWAY
21+76.43	41.25 RT	20.78	CENTRAL RT SIDE, DRIVEWAY
	SUBTOTAL:	46.84	
CENTRAL - AMHERST TO CARLISLE			
25+30.50	40.92 RT	22.48	CENTRAL RT SIDE, DRIVEWAY
25+88.34	40.67 RT	22.48	CENTRAL RT SIDE, DRIVEWAY
25+97.79	41.26 LT	20.20	CENTRAL LT SIDE, DRIVEWAY
	SUBTOTAL:	65.16	
CENTRAL - CARLISLE TO HERMOSA			
28+18.86	41.25 RT	40.55	CENTRAL RT SIDE, DRIVEWAY
28+90.05	40.96 LT	25.91	CENTRAL LT SIDE, DRIVEWAY
29+28.70	41.23 RT	31.67	CENTRAL RT SIDE, DRIVEWAY
29+74.02	40.98 LT	26.35	CENTRAL LT SIDE, DRIVEWAY
30+40.03	41.22 RT	31.63	CENTRAL RT SIDE, DRIVEWAY
30+43.07	40.91 LT	39.73	CENTRAL LT SIDE, DRIVEWAY
30+96.24	40.86 LT	21.88	CENTRAL LT SIDE, DRIVEWAY
	SUBTOTAL:	217.73	
CENTRAL - HERMOSA TO SOLANO			
32+74.80	41.41 RT	28.55	CENTRAL RT SIDE, DRIVEWAY
33+10.15	41.29 RT	19.45	CENTRAL RT SIDE, DRIVEWAY
33+28.17	40.96 LT	28.01	CENTRAL LT SIDE, DRIVEWAY
	SUBTOTAL:	76.01	
CENTRAL - SOLANO TO ALISO			
35+35.34	40.70 LT	22.31	CENTRAL LT SIDE, DRIVEWAY
36+11.46	41.43 RT	22.08	CENTRAL RT SIDE, DRIVEWAY
36+20.57	40.93 LT	29.77	CENTRAL LT SIDE, DRIVEWAY
37+01.64	40.97 LT	19.55	CENTRAL LT SIDE, DRIVEWAY
37+10.18	41.39 RT	23.18	CENTRAL RT SIDE, DRIVEWAY
	SUBTOTAL:	94.58	
CENTRAL - ALISO TO MORNINGSIDE			
38+56.29	41.42 RT	22.37	CENTRAL RT SIDE, DRIVEWAY
39+08.54	40.67 LT	18.77	CENTRAL LT SIDE, DRIVEWAY
39+70.60	41.43 RT	25.35	CENTRAL RT SIDE, DRIVEWAY
40+41.95	41.49 RT	19.14	CENTRAL RT SIDE, DRIVEWAY
40+78.72	41.06 LT	17.55	CENTRAL LT SIDE, DRIVEWAY
	SUBTOTAL:	103.17	
DARTMOUTH			
10+54.61	17.97 RT	26.88	DARTMOUTH RT SIDE, DRIVEWAY
11+39.65	17.83 RT	33.32	DARTMOUTH RT SIDE, DRIVEWAY
	SUBTOTAL:	60.20	
BRYN MAWR NORTH			
20+90.02	16.46 LT	35.24	BRYN MAWR NORTH LT SIDE, DRIVEWAY
	SUBTOTAL:	35.24	
WELLESLEY			
11+02.57	17.01 RT	16.72	WELLESLEY RT SIDE, DRIVEWAY
	SUBTOTAL:	16.72	
TULANE			
10+14.84	16.34 LT	40.01	TULANE LT SIDE, DRIVEWAY
12+76.06	13.29 RT	43.07	TULANE RT SIDE, DRIVEWAY
	SUBTOTAL:	83.08	
AMHERST			
14+50.47	29.01 RT	15.91	AMHERST RT SIDE, DRIVEWAY
14+97.39	29.16 RT	15.59	AMHERST RT SIDE, DRIVEWAY
	SUBTOTAL:	31.50	
CARLISLE NORTH			
20+87.20	21.02 LT	18.93	CARLISLE NORTH LT SIDE, DRIVEWAY
	SUBTOTAL:	18.93	
HERMOSA SOUTH			
11+18.84	18.16 LT	15.27	HERMOSA SOUTH LT SIDE, DRIVEWAY
11+63.99	17.92 LT	27.60	HERMOSA SOUTH LT SIDE, DRIVEWAY
	SUBTOTAL:	42.87	

CONTINUED
340.020 - 6" DRIVEPAD 6" THICK, PCC, INCL. SUBGRADE COMPACTION, CIP SD 2425

343.090 EXISTING SIDEWALK & DRIVEPAD, SAWCUT, REMOVE & DISPOSE, COMPL.

STATION	LOCATION	AREA SY	REMARKS
HERMOSA NORTH			
20+90.92	16.18 LT	30.65	HERMOSA NORTH LT SIDE, DRIVEWAY
	SUBTOTAL:	30.65	
SOLANO SOUTH			
10+60.38	18.13 LT	24.66	SOLANO SOUTH LT SIDE, DRIVEWAY
	SUBTOTAL:	24.66	
SOLANO NORTH			
20+80.19	16.13 LT	42.79	SOLANO NORTH LT SIDE, DRIVEWAY
20+82.02	15.90 RT	26.80	SOLANO NORTH RT SIDE, DRIVEWAY
	SUBTOTAL:	69.59	
ALISO SOUTH			
10+91.55	18.08 LT	23.56	ALISO SOUTH LT SIDE, DRIVEWAY
	SUBTOTAL:	23.56	
	SUBTOTAL:	1354.84	SY
	USE:	1360.00	SY

STATIONS TAKEN AT CENTER OF PROPOSED DRIVEPAD

340.023 WHEELCHAIR ACCESS RAMP, 4" PCC, STD. CURB., CIP. SD 2418

343.090 EXISTING SIDEWALK & DRIVEPAD, SAWCUT, REMOVE & DISPOSE, COMPL.

STATION	LOCATION	TO	STATION	LOCATION	AREA SY	REMARKS
CENTRAL/MONTE VISTA INTERSECTION						
1+96.96	49.09 LT	-	2+06.45	55.03 LT	9.51	NE CORNER
				SUBTOTAL:	9.51	
CENTRAL/DARTMOUTH INTERSECTION						
4+39.50	44.31 LT	-	4+41.32	57.39 LT	16.93	NW CORNER
4+39.22	40.79 RT	-	4+49.98	52.12 RT	14.65	SW CORNER
4+88.06	60.41 RT	-	5+06.23	40.85 RT	27.38	SE CORNER
4+63.50	48.80 LT	-	4+65.52	66.28 LT	16.02	NE CORNER
				SUBTOTAL:	74.99	
CENTRAL/BRYN MAWR INTERSECTION						
11+69.35	40.76 LT	-	11+86.63	57.23 LT	26.94	NW CORNER
12+05.90	43.59 RT	-	12+10.24	56.01 RT	16.36	SW CORNER
12+20.08	48.97 LT	-	12+59.52	40.53 LT	42.69	NE CORNER
				SUBTOTAL:	85.99	
CENTRAL/TULANE INTERSECTION						
19+47.72	41.20 RT	-	19+74.52	67.55 RT	53.02	SW CORNER
19+86.78	54.92 LT	-	20+07.74	41.05 LT	27.72	NE CORNER
20+07.20	67.35 RT	-	20+26.24	41.25 RT	45.57	SE CORNER
				SUBTOTAL:	126.31	
CENTRAL/AMHERST INTERSECTION						
23+17.01	61.61 LT	-	23+26.72	63.18 LT	4.43	SW CORNER
				SUBTOTAL:	4.43	
CENTRAL/CARLISLE INTERSECTION						
26+80.12	41.41 LT	-	27+08.32	53.63 LT	23.01	NW CORNER
27+58.85	56.76 LT	-	27+90.05	41.01 LT	33.57	NE CORNER
				SUBTOTAL:	56.58	
CENTRAL/HERMOSA SOUTH INTERSECTION						
30+66.73	41.35 RT	-	30+76.29	61.92 RT	26.08	SW CORNER
31+15.16	47.32 RT	-	31+33.02	41.67 RT	13.69	SE CORNER
				SUBTOTAL:	39.78	
CENTRAL/HERMOSA NORTH INTERSECTION						
31+08.74	40.90 LT	-	31+21.93	61.01 LT	25.15	NW CORNER
31+52.99	71.21 LT	-	31+78.64	41.17 LT	36.90	NE CORNER
				SUBTOTAL:	62.05	
CENTRAL/ALISO SOUTH INTERSECTION						
37+53.14	41.43 RT	-	37+71.92	67.51 RT	36.19	SW CORNER
				SUBTOTAL:	36.19	
CENTRAL/ALISO NORTH INTERSECTION						
38+19.87	59.56 LT	-	38+45.24	40.74 LT	17.47	NE CORNER
				SUBTOTAL:	17.47	
DARTMOUTH						
10+51.20	18.31 LT	-	10+61.02	45.75 LT	27.79	SOUTH CORNER
10+89.14	37.75 LT	-	10+89.25	29.31 LT	10.72	NORTH CORNER
				SUBTOTAL:	38.51	
SOLANO SOUTH						
10+02.16	25.25 RT	-	10+08.17	18.25 RT	6.60	SOUTH CORNER
				SUBTOTAL:	6.60	
				SUBTOTAL:	558.41	SY
				USE:	560.00	SY

STATIONS TAKEN AT FLOWLINE

XXX.XXX PEDESTRIAN METAL RAILING

STATION	LOCATION	TO	STATION	LOCATION	LENGTH LF	REMARKS
CENTRAL/DARTMOUTH INTERSECTION						
4+94.27	59.35 RT	-	5+06.22	46.64 RT	24.95	SE CORNER
				SUBTOTAL:	24.95	
CENTRAL/CARLISLE INTERSECTION						
27+63.13	58.37 LT	-	27+90.05	49.15 LT	29.92	NE CORNER
				SUBTOTAL:	29.92	
CENTRAL/HERMOSA INTERSECTION						
31+15.44	47.98 RT	-	31+27.04	47.96 RT	11.60	SE CORNER
31+59.22	72.02 LT	-	31+78.64	47.46 LT	38.60	NE CORNER
				SUBTOTAL:	50.20	
DARTMOUTH						
10+51.37	25.61 LT	-	10+53.73	45.68 LT	21.44	SW CORNER
				SUBTOTAL:	21.44	
				SUBTOTAL:	126.51	LF
				USE:	130.00	LF

STATIONS TAKEN AT CENTER OF PROPOSED DRIVEPAD

450.102 SIGN, POST, & BASE POST, REMOVE & RELOCATE, COMPL

STATION	LOCATION	MOVE FROM-TO	STATION	LOCATION	EACH EA	REMARKS
CENTRAL - MONTE VISTA TO DARTMOUTH						
4+28.30	43.62 LT	-	4+16.44	42.78 LT	1	CENTRAL LT SIDE
				SUBTOTAL:	1	
CENTRAL - DARTMOUTH TO RICHMOND						
4+71.55	47.60 LT	-	4+75.73	42.64 LT	1	CENTRAL LT SIDE
4+88.09	51.30 RT	-	4+89.07	60.43 RT	1	CENTRAL RT SIDE
				SUBTOTAL:	2	
CENTRAL - TULANE/AMHERST						
20+07.44	54.88 RT	-	20+06.88	56.32 RT	1	CENTRAL RT SIDE
22+40.39	42.81 LT	-	22+46.37	42.16 LT	1	CENTRAL LT SIDE
				SUBTOTAL:	2	
CENTRAL - CARLISLE/HERMOSA						
31+21.06	54.19 LT	-	31+21.62	53.45 LT	1	CENTRAL LT SIDE
				SUBTOTAL:	1	
CENTRAL - HERMOSA TO SOLANO						
31+13.53	54.56 RT	-	31+13.53	56.56 RT	1	CENTRAL RT SIDE
				SUBTOTAL:	1	
AMHERST						
13+69.21	33.29 LT	-	13+69.21	33.29 LT	1	AMHERST LT SIDE
13+71.53	30.51 RT	-	13+71.53	30.51 RT	1	AMHERST RT SIDE
13+94.13	32.79 LT	-	13+94.13	32.79 LT	1	AMHERST LT SIDE
13+95.16	30.44 RT	-	13+95.16	30.44 RT	1	AMHERST RT SIDE
14+15.41	32.83 LT	-	14+15.41	32.83 LT	1	AMHERST LT SIDE
14+29.11	30.50 RT	-	14+29.11	30.50 RT	1	AMHERST RT SIDE
14+42.90	32.90 LT	-	14+42.90	32.90 LT	1	AMHERST LT SIDE
14+61.81	32.51 LT	-	14+61.81	32.51 LT	1	AMHERST LT SIDE
14+83.76	30.79 RT	-	14+83.76	30.79 RT	1	AMHERST RT SIDE
15+20.61	30.30 RT	-	15+20.61	30.30 RT	1	AMHERST RT SIDE
15+61.02	31.53 RT	-	15+61.02	31.53 RT	1	AMHERST RT SIDE
				SUBTOTAL:	11	
				SUBTOTAL:	18	EA
				USE:	18	EA

340.060 CURB & GUTTER, MEDIAN PORTLAND CEMENT CONCRETE, CIP. SD 2408

343.080 EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE & DISPOSE, COMPL.

STATION	LOCATION	TO	STATION	LOCATION	LENGTH LF	REMARKS
CENTRAL - BRYN MAWR TO WELLESLEY						
12+46.19	5.22 RT	-	12+64.76	2.81 RT	20.78	CENTRAL MEDIAN
12+49.19	5.22 RT	-	12+64.76	7.64 RT	20.78	CENTRAL MEDIAN
				SUBTOTAL:	41.56	LF
				USE:	50.00	LF

STATIONS TAKEN AT FLOWLINE

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "B-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483955.175
EASTING = 1538790.908

AS BUILT INFORMATION

CONTRACTOR	BIKBY ELECTRIC	DATE 8/12
STAKED BY	SMAA	DATE 8/12
INSPECTOR'S CHANGE BY	COA	DATE 8/12
FIELD CHANGE BY	COA	DATE 8/12
DRAWN BY	HDR ENGINEERING	DATE 8/12
CORRECTED BY		

MICRO-FILM INFORMATION
RECORDED BY:
NO:

ENGINEER'S SEAL
EDWARD L. POTTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER
FEB 7, 2011

NO.	DATE	REMARKS	BY
		REVISIONS	

HDR ENGINEERING INC.
DESIGNED BY: AMG DATE: 01/11
DRAWN BY: AMG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
MISCELLANEOUS QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	6	51

RECORD DRAWING

Date: Feb 04, 2011 - 7:41am Author: Layout: Sheet
Drawing Name: o:\pw\working\phw\d0160895\1\124428-06-MQ01.dwg

340.050 CURB & GUTTER, STANDARD, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREP. CIP SD 2415

343.080 EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE & DISPOSE, COMPL.

STATION	LOCATION	TO	STATION	LOCATION	LENGTH LF	REMARKS
CENTRAL - MONTE VISTA TO DARTMOUTH						
1+37.00	40.70 RT	-	1+73.00	40.60 RT	36.00	CENTRAL RT SIDE, DRIVEWAY
2+53.83	40.79 RT	-	2+89.82	40.75 RT	36.00	CENTRAL RT SIDE, DRIVEWAY
4+31.66	41.30 LT	-	4+39.50	44.31 LT	8.66	CENTRAL NW CURB RAMP
				SUBTOTAL:	80.66	
CENTRAL - DARTMOUTH TO RICHMOND						
4+63.50	48.80 LT	-	4+88.26	41.06 LT	27.67	CENTRAL LT SIDE
4+94.96	41.00 LT	-	5+38.59	41.08 LT	43.64	CENTRAL LT SIDE
5+91.75	40.97 RT	-	6+20.75	40.86 RT	29.00	CENTRAL RT SIDE, DRIVEWAY
7+12.16	41.07 RT	-	7+34.10	41.04 RT	21.95	CENTRAL RT SIDE, DRIVEWAY
				SUBTOTAL:	122.26	
CENTRAL - RICHMOND TO BRYN MAWR						
10+34.99	40.56 LT	-	10+62.99	40.65 LT	28.00	CENTRAL LT SIDE, DRIVEWAY
10+86.89	40.65 LT	-	11+32.81	40.60 LT	45.93	CENTRAL LT SIDE, DRIVEWAY
11+95.18	41.10 RT	-	12+05.90	43.59 RT	11.34	CENTRAL SW CURB RAMP
				SUBTOTAL:	85.27	
CENTRAL - BRYN MAWR TO WELLESLEY						
12+20.08	48.97 LT	-	12+87.55	40.51 LT	71.72	CENTRAL LT SIDE
13+41.79	41.23 RT	-	13+77.79	41.28 RT	36.00	CENTRAL RT SIDE, DRIVEWAY
14+06.63	41.29 RT	-	14+27.63	41.15 RT	21.00	CENTRAL RT SIDE, DRIVEWAY
				SUBTOTAL:	128.72	
CENTRAL - WELLESLEY TO TULANE						
17+87.04	41.30 RT	-	18+47.11	41.38 RT	60.10	CENTRAL RT SIDE, DRIVEWAY
18+95.34	41.05 RT	-	19+38.34	41.06 RT	43.00	CENTRAL RT SIDE, DRIVEWAY
				SUBTOTAL:	103.10	
CENTRAL - TULANE TO AMHERST						
20+74.76	41.25 RT	-	21+02.76	41.17 RT	28.00	CENTRAL RT SIDE, DRIVEWAY
21+64.93	41.25 RT	-	21+87.9	41.25 RT	23.00	CENTRAL RT SIDE, DRIVEWAY
22+39.93	41.21 RT	-	23+04.34	41.17 RT	64.46	CENTRAL RT SIDE, DRIVEWAY
				SUBTOTAL:	115.46	
CENTRAL - AMHERST TO CARLISLE						
25+16.51	40.91 RT	-	25+44.49	40.94 RT	28.00	CENTRAL RT SIDE, DRIVEWAY
25+75.34	40.68 RT	-	26+01.34	40.67 RT	26.00	CENTRAL RT SIDE, DRIVEWAY
25+86.79	41.22 LT	-	26+14.75	41.32 LT	28.00	CENTRAL LT SIDE, DRIVEWAY
				SUBTOTAL:	82.00	
CENTRAL - CARLISLE TO HERMOSA						
27+95.87	41.33 RT	-	28+41.86	41.18 RT	46.00	CENTRAL RT SIDE, DRIVEWAY
28+70.55	40.96 LT	-	29+09.55	40.96 LT	39.00	CENTRAL LT SIDE, DRIVEWAY
29+10.37	41.18 RT	-	29+93.00	41.39 RT	82.63	CENTRAL RT SIDE, DRIVEWAY
29+54.52	41.00 LT	-	29+93.52	41.00 LT	39.00	CENTRAL LT SIDE, DRIVEWAY
30+26.07	40.96 LT	-	30+60.07	40.92 LT	34.00	CENTRAL LT SIDE, DRIVEWAY
30+22.03	41.24 RT	-	30+66.73	41.35 RT	44.70	CENTRAL RT SIDE, DRIVEWAY
30+83.74	40.82 LT	-	31+08.74	40.90 LT	25.00	CENTRAL LT SIDE, DRIVEWAY
				SUBTOTAL:	310.33	
CENTRAL - HERMOSA TO SOLANO						
31+12.02	58.53 RT	-	31+15.16	47.32 RT	11.96	CENTRAL RT SIDE
32+56.80	41.47 RT	-	33+22.57	41.26 RT	65.76	CENTRAL RT SIDE, DRIVEWAY
33+12.67	40.98 LT	-	33+43.67	40.94 LT	31.00	CENTRAL LT SIDE, DRIVEWAY
				SUBTOTAL:	108.72	
CENTRAL - SOLANO TO ALSIO						
35+19.51	39.56 LT	-	35+51.31	40.81 LT	32.00	CENTRAL LT SIDE, DRIVEWAY
35+97.60	40.92 LT	-	36+43.53	40.94 LT	45.93	CENTRAL LT SIDE, DRIVEWAY
35+98.96	41.36 RT	-	36+23.97	41.50 RT	25.00	CENTRAL RT SIDE, DRIVEWAY
36+86.65	41.01 LT	-	37+16.65	40.96 LT	30.00	CENTRAL LT SIDE, DRIVEWAY
36+95.18	41.36 RT	-	37+25.18	41.43 RT	30.00	CENTRAL RT SIDE, DRIVEWAY
				SUBTOTAL:	162.93	
CENTRAL - ALSIO TO MORNINGSIDE						
38+19.87	59.56 LT	-	38+45.24	40.74 LT	39.16	CENTRAL NE CURB RAMP
38+38.79	41.36 RT	-	38+73.79	41.48 RT	35.00	CENTRAL RT SIDE, DRIVEWAY
38+94.54	40.47 LT	-	39+22.54	40.87 LT	28.00	CENTRAL LT SIDE, DRIVEWAY
38+50.60	41.45 RT	-	39+90.60	41.40 RT	40.00	CENTRAL RT SIDE, DRIVEWAY
39+98.79	41.00 LT	-	40+32.03	40.94 LT	33.25	CENTRAL LT SIDE
40+26.97	41.45 RT	-	40+56.95	41.53 RT	30.00	CENTRAL RT SIDE, DRIVEWAY
40+67.92	41.00 LT	-	40+89.52	41.13 LT	21.60	CENTRAL LT SIDE, DRIVEWAY
				SUBTOTAL:	227.01	
DARTMOUTH						
10+40.61	18.00 RT	-	10+68.61	17.96 RT	28.00	DARTMOUTH RT SIDE, DRIVEWAY
11+22.69	17.84 RT	-	11+56.61	17.81 RT	33.92	DARTMOUTH RT SIDE, DRIVEWAY
				SUBTOTAL:	61.92	
BRYN MAWR NORTH						
20+61.05	16.67 LT	-	21+37.27	16.14 LT	76.25	BRYN MAWR NORTH LT SIDE, DRIVEWAY
				SUBTOTAL:	76.25	
WELLESLEY						
10+89.59	16.89 RT	-	11+15.56	17.13 RT	26.00	WELLESLEY RT SIDE, DRIVEWAY
				SUBTOTAL:	26.00	
TULANE						
9+94.84	16.52 LT	-	10+34.84	16.52 LT	40.00	TULANE LT SIDE, DRIVEWAY
12+41.08	13.45 RT	-	13+27.01	17.76 RT	86.52	TULANE RT SIDE, DRIVEWAY
				SUBTOTAL:	126.52	
AMHERST						
14+35.36	29.03 RT	-	15+08.39	29.13 RT	73.05	AMHERST RT SIDE, DRIVEWAY
				SUBTOTAL:	73.05	

CONTINUED
340.050 CURB & GUTTER, STANDARD, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREP. CIP SD 2415

343.080 EXISTING CURB & GUTTER OR VALLEY GUTTER, PC CONCRETE, REMOVE & DISPOSE, COMPL.

STATION	LOCATION	TO	STATION	LOCATION	LENGTH LF	REMARKS
CARLISLE NORTH						
20+57.49	25.94 LT	-	21+02.40	21.49 LT	46.85	CARLISLE NORTH LT SIDE, DRIVEWAY
20+54.59	22.56 RT	-	20+77.56	21.28 RT	23.08	CARLISLE NORTH RT SIDE
				SUBTOTAL:	69.93	
HERMOSA SOUTH						
11+08.84	18.13 LT	-	11+92.95	17.70 LT	84.11	HERMOSA SOUTH LT SIDE, DRIVEWAY
				SUBTOTAL:	84.11	
HERMOSA NORTH						
20+63.71	16.18 LT	-	21+22.38	16.43 LT	58.67	HERMOSA NORTH LT SIDE, DRIVEWAY
				SUBTOTAL:	58.67	
SOLANO SOUTH						
10+08.17	18.25 RT	-	10+37.17	18.29 RT	29.00	SOLANO SOUTH RT SIDE, DRIVEWAY
10+40.88	18.08 LT	-	10+79.88	18.19 LT	39.00	SOLANO SOUTH LT SIDE, DRIVEWAY
				SUBTOTAL:	68.00	
SOLANO NORTH						
20+61.62	14.33 RT	-	21+00.46	16.12 RT	39.15	SOLANO NORTH RT SIDE, DRIVEWAY
20+65.69	16.17 LT	-	20+94.67	16.16 LT	29.00	SOLANO NORTH LT SIDE, DRIVEWAY
				SUBTOTAL:	68.15	
ALISO SOUTH						
10+73.55	18.16 LT	-	11+13.27	18.05 LT	39.72	ALISO SOUTH LT SIDE, DRIVEWAY
				SUBTOTAL:	39.72	
ALISO NORTH						
21+15.59	16.18 RT	-	21+53.80	16.20 RT	38.20	ALISO NORTH RT SIDE
				SUBTOTAL:	38.20	
				SUBTOTAL:	2316.98	LF
				USE:	2320.00	LF

STATIONS TAKEN AT FLOWLINE

920.410 EXISTING MANHOLE FRAME & COVER, ADJUST TO GRADE WITH METAL RINGS, OVER 2", CIP. SD 2111

STATION	LOCATION	EACH EA	REMARKS
CENTRAL - MONTE VISTA TO DARTMOUTH			
1+22.56	42.37 RT	1	COMMUNICATION MANHOLE RT SIDE
4+40.95	42.48 RT	1	ELECTRIC MANHOLE SW RAMP
	SUBTOTAL:	2	
CENTRAL - DARTMOUTH TO RICHMOND			
4+95.39	42.64 RT	1	ELECTRIC MANHOLE SE RAMP
	SUBTOTAL:	1	
CENTRAL - RICHMOND TO BRYN MAWR			
8+88.61	42.83 RT	1	ELECTRIC MANHOLE RT SIDE
10+38.96	42.74 RT	1	ELECTRIC MANHOLE RT SIDE
12+00.89	42.93 RT	1	ELECTRIC MANHOLE SW RAMP
	SUBTOTAL:	3	
CENTRAL - BRYN MAWR TO WELLESLEY			
12+34.57	47.38 LT	1	ELECTRIC MANHOLE NE RAMP
	SUBTOTAL:	1	
CENTRAL - WELLESLEY TO TULANE			
18+14.12	43.39 RT	1	ELECTRIC MANHOLE RT SIDE
19+60.78	42.98 RT	1	ELECTRIC MANHOLE SW RAMP
	SUBTOTAL:	2	
CENTRAL - TULANE TO AMHERST			
20+11.75	43.19 RT	1	ELECTRIC MANHOLE SE RAMP
21+60.89	43.07 RT	1	ELECTRIC MANHOLE RT SIDE
21+92.09	43.02 RT	1	ELECTRIC MANHOLE RT SIDE
	SUBTOTAL:	3	
CENTRAL - CARLISLE TO HERMOSA			
30+63.94	42.90 RT	1	ELECTRIC MANHOLE SW RAMP
	SUBTOTAL:	1	
CENTRAL - HERMOSA TO SOLANO			
31+20.37	40.60 RT	1	COMMUNICATION MANHOLE RT SIDE
31+24.23	43.98 RT	1	ELECTRIC MANHOLE RT SIDE
34+09.32	43.27 RT	1	ELECTRIC MANHOLE RT SIDE
	SUBTOTAL:	3	
	SUBTOTAL:	5	
CENTRAL - SOLANO TO ALISO			
36+25.30	43.32 RT	1	ELECTRIC MANHOLE RT SIDE
37+62.00	43.32 RT	1	ELECTRIC MANHOLE SW RAMP
	SUBTOTAL:	1	
	SUBTOTAL:	18	EA
	USE:	18	EA

340.110 HEADER CURB, STANDARD, PORTLAND CEMENT CONCRETE, INCL. SUBGRADE PREP. CIP SD 2415

STATION	LOCATION	TO	STATION	LOCATION	LENGTH LF	REMARKS
CENTRAL/MONTE VISTA INTERSECTION						
1+99.12	50.44 LT	-	2+09.48	44.18 LT	12.11	NE CORNER
2+03.87	53.41 LT	-	2+14.17	47.19 LT	12.04	NE CORNER
				SUBTOTAL:	24.15	
CENTRAL/DARTMOUTH INTERSECTION						
4+93.61	59.46 RT	-	5+06.22	45.97 RT	26.11	SE CORNER
4+89.53	43.08 RT	-	5+06.23	41.97 RT	16.95	SE CORNER
				SUBTOTAL:	16.95	
CENTRAL/BRYN MAWR INTERSECTION						
11+69.32	48.53 LT	-	11+80.10	56.12 LT	17.35	NW CORNER
11+97.36	43.59 RT	-	12+04.41	43.59 RT	7.05	SW CORNER
12+20.70	49.07 LT	-	12+25.29	59.93 LT	16.24	NE CORNER
12+24.96	43.22 LT	-	12+42.52	41.67 LT	17.90	NE CORNER
12+55.65	33.19 RT	-	12+56.67	38.94 RT	5.84	SE CORNER
12+55.48	3.42 RT	-	12+55.48	7.02 RT	3.60	MEDIAN
12+61.48	3.31 RT	-	12+61.48	7.14 RT	3.83	MEDIAN
12+60.73	33.23 RT	-	12+61.63	38.31 RT	5.16	SE CORNER
				SUBTOTAL:	76.97	
CENTRAL/TULANE INTERSECTION						
19+47.73	42.32 RT	-	19+67.61	44.06 RT	20.33	SW CORNER
19+92.92	44.18 LT	-	20+07.45	42.18 LT	14.95	NE CORNER
19+93.20	55.91 LT	-	20+07.44	49.22 LT	17.75	NE CORNER
20+06.86	47.14 RT	-	20+26.24	42.38 RT	21.18	SE CORNER
20+16.96	65.77 RT	-	20+26.24	49.47 RT	26.10	SE CORNER
				SUBTOTAL:	100.31	
CENTRAL/AMHERST INTERSECTION						
26+16.69	63.58 LT	-	23+26.37	65.15 LT	9.85	WEST SIDE
23+17.33	59.63 LT	-	23+27.04	61.21 LT	9.85	WEST SIDE
23+18.89	50.01 LT	-	23+20.33	50.01 LT	1.44	WEST SIDE
				SUBTOTAL:	21.14	
CENTRAL/CARLISLE INTERSECTION						
26+80.10	46.42 LT	-	27+04.14	55.97 LT	27.95	NW CORNER
27+61.02	80.26 LT	-	27+90.05	48.48 LT	52.91	NE CORNER
				SUBTOTAL:	80.86	
CENTRAL/HERMOSA SOUTH INTERSECTION						
30+55.55	45.98 RT	-	30+72.02	45.81 RT	19.67	SW CORNER
30+55.94	49.96 RT	-	30+68.85	62.78 RT	23.30	SW CORNER
30+73.78	50.15 RT	-	30+75.18	62.05 RT	12.05	SW CORNER
31+15.57	47.81 RT	-	31+27.04	47.79 RT	11.47	SE CORNER
				SUBTOTAL:	66.49	
CENTRAL/HERMOSA NORTH INTERSECTION						
31+08.72	48.73 LT	-	31+15.97	60.31 LT	17.45	NW CORNER
31+08.74	42.02 LT	-	31+20.87	46.69 LT	13.87	NW CORNER
31+58.39	48.12 LT	-	31+78.64	42.29 LT	22.25	NE CORNER
31+58.55	71.94 LT	-	31+78.64	46.79 LT	39.54	NE CORNER
				SUBTOTAL:	93.11	
CENTRAL/ALISO SOUTH INTERSECTION						
37+53.14	51.82 RT	-	37+65.34	68.33 RT	25.62	SW CORNER
37+53.14	42.56 RT	-	37+66.10	46.09 RT	13.96	SW CORNER
				SUBTOTAL:	39.58	
CENTRAL/ALISO NORTH INTERSECTION						
38+25.46	60.24 LT	-	38+45.24	45.61 LT	31.01	NE CORNER
38+25.38	43.44 LT	-	38+45.24	41.86 LT	13.46	NE CORNER
				SUBTOTAL:	44.47	
DARTMOUTH						
10+54.40	45.69 LT	-	10+51.44	24.94 LT	22.43	SOUTH CORNER
10+89.77	37.25 LT	-	10+99.66	37.28 LT	9.89	NORTH CORNER
10+89.84	32.25 LT	-	10+99.68	32.28 LT	9.84	NORTH CORNER
				SUBTOTAL:	42.16	
AMHERST						
13+52.20	33.10 LT	-	13+51.96	31.68 LT	1.45	WEST SIDE
13+57.84	38.26 LT	-	14+50.76	38.26 LT	92.92	WEST SIDE
				SUBTOTAL:	94.37	
SOLANO SOUTH						
10+03.46	21.87 RT	-	10+08.09	25.01 RT	7.72	SOUTH CORNER
				SUBTOTAL:	7.72	
				SUBTOTAL:	708.28	LF
				USE:	710.00	LF

802.570 WATER METER BOX, REMOVE AND REPLACE, INCL. COVER & LID

STATION	LOCATION	EACH EA	REMARKS
CENTRAL - DARTMOUTH TO RICHMOND			
5+51.91	43.85 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	1	
CENTRAL - RICHMOND TO BRYN MAWR			
10+48.48	42.97 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	1	
CENTRAL - BRYN MAWR TO WELLESLEY			
13+11.77	43.11 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	1	
CENTRAL - TULANE TO AMHERST			
20+83.60	44.14 RT	1	CENTRAL RT SIDE
	SUBTOTAL:	1	
CENTRAL - CARLISLE TO HERMOSA			
30+58.09	43.57 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	1	
CENTRAL - HERMOSA TO SOLANO			
32+89.06	45.13 RT	1	CENTRAL RT SIDE
	SUBTOTAL:	1	
CENTRAL - SOLANO TO ALISO			
36+19.71	45.72 RT	1	CENTRAL RT SIDE
36+88.40	43.44 LT	1	CENTRAL LT SIDE
37+14.25	45.51 RT	1	CENTRAL RT SIDE
37+14.31	43.66 RT	1	CENTRAL RT SIDE
	SUBTOTAL:	4	
CENTRAL - ALISO TO MORNINGSIDE			
38+66.87	45.10 RT	1	CENTRAL RT SIDE
38+83.57	44.06 LT	1	CENTRAL LT SIDE
39+66.36	45.29 LT	1	CENTRAL LT SIDE
40+72.51	43.70 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	4	
AMHERST			
13+52.56	34.00 LT	1	AMHERST LT SIDE
14+24.46	31.63 RT	1	AMHERST RT SIDE
14+26.48	31.68 RT	1	AMHERST RT SIDE
	SUBTOTAL:	3	
	SUBTOTAL:	17	EA
	USE:	17	EA

425.100 ELECTRICAL PULL BOX, ANY TYPE, ADJUST TO GRADE, CIP.

STATION	LOCATION	EACH EA	REMARKS
CENTRAL - MONTE VISTA TO DARTMOUTH			
2+02.27	46.05 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	1	
CENTRAL - RICHMOND TO BRYN MAWR			
8+97.02	42.47 RT	1	CENTRAL RT SIDE
12+34.57	47.38 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	2	
CENTRAL - AMHERST TO CARLISLE			
27+06.99	56.43 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	1	
CENTRAL - CARLISLE TO HERMOSA			
27+61.99	53.48 LT	1	CENTRAL LT SIDE
29+51.61	42.39 RT	1	CENTRAL RT SIDE
30+19.73	52.08 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	3	
CARLISLE			
21+02.89	24.94 LT	1	CARLISLE LT SIDE
	SUBTOTAL:	1	
SOLANO			
10+05.65	21.54 RT	1	SOLANO RT SIDE
	SUBTOTAL:	1	
	SUBTOTAL:	8	EA
	USE:	8	EA

801.111 VALVE BOX, AJUST TO GRADE, CIP. SD 2332

STATION	LOCATION	EACH EA	REMARKS
CENTRAL - BRYN MAWR TO WELLESLEY			
14+13.68	46.93 RT	1	CENTRAL RT SIDE
	SUBTOTAL:	1	
CENTRAL - TULANE TO AMHERST			
21+75.94	47.57 RT	1	CENTRAL LT SIDE
21+77.85	44.99 RT	1	CENTRAL LT SIDE
	SUBTOTAL:	2	
CENTRAL - CARLISLE TO HERMOSA			
30+56.12	42.22 LT	1	CENTRAL LT SIDE
	SUBTOTAL:	1	
	SUBTOTAL:	4	EA
	USE:	4	EA

REMOVE AND RESET EXISTING STEEL COVER

STATION	LOCATION	EACH EA	REMARKS
AMHERST			
13+61.48	38.16 LT	1	AMHERST LT SIDE
	SUBTOTAL:	1	
	SUBTOTAL:	1	EA
	USE:	1	EA

INCIDENTAL TO ITEM NUMBER 608004, SIDEWALK 4"

AS BUILT INFORMATION

BENCH MARK'S
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A AGS". NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483953.175
EASTING = 1538790.908

SURVEY INFORMATION
FIELD NOTES BY: DATE

NO.	DATE	REMARKS
		CONSTRUCTION STAKED BY: ELECTRIC DATE: 8/7/12
		DRAWN BY: SMAA DATE: 8/7/12
		STAKED BY: INSPECTOR'S FIELD DATE: 8/7/12
		REVISIONS REVIEWED BY: CDA DATE: 8/7/12
		CONSTRUCTION BY: HDR ENGINEERING DATE: 8/7/12

MICRO-FILM INFORMATION
RECORDED BY:
IND.

ENGINEER'S SEAL
EDWARD L. POHLMOTT JR.
NEW MEXICO
17633
PROFESSIONAL ENGINEER
Feb 7, 2011

NO.	DATE	REMARKS	BY
		REVISIONS	
		HDR ENGINEERING INC.	
		DESIGNED BY: AMG	DATE: 01/11
		DRAWN BY: AMG	DATE: 01/11
		CHECKED BY: ELP	DATE: 01/11

7770 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN (505) 830-5400
FAX (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
MISCELLANEOUS QUANTITIES

Design Review Committee	City Engineer Approval	Last Design Update
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 7 Of 51

RECORD DRAWING

Date: Feb 04, 2011 - 7:43am Jsnow Layout: Sheet
Drawing Name: C:\pwworking\phw\d0180859\1241428-07-MK202.dwg

340.010 - SIDEWALK 4" THICK, PORTLAND CEMENT CONCRETE, INCL., SUBGRADE COMPACTION, CIP.SD 2430
343.090 EXISTING SIDEWALK & DRIVEPAD, SAWCUT, REMOVE & DISPOSE COMPL.

	STATION	LOCATION	AREA SY	REMARKS
CENTRAL - MONTE VISTA TO DARTMOUTH				
	2+02.23	42.79 RT	3.45	CENTRAL RT SIDE, NEW LIGHT
	2+05.40	44.03 LT	1.65	CENTRAL LT SIDE, EXISTING LIGHT
	2+28.19	43.75 LT	3.89	CENTRAL LT SIDE, NEW LIGHT
	2+53.61	48.82 RT	2.16	CENTRAL RT SIDE, EXISTING LIGHT
	2+80.37	43.35 LT	3.89	CENTRAL LT SIDE, NEW LIGHT
	2+93.52	47.26 RT	5.58	CENTRAL RT SIDE, NEW LIGHT
	3+28.06	42.45 LT	4.72	CENTRAL LT SIDE, EXISTING LIGHT
	3+52.23	47.28 RT	3.90	CENTRAL RT SIDE, NEW LIGHT
	3+55.37	43.08 LT	4.73	CENTRAL LT SIDE, NEW LIGHT
	3+86.09	42.28 RT	3.90	CENTRAL RT SIDE, EXISTING LIGHT
	4+27.22	46.91 RT	3.90	CENTRAL RT SIDE, NEW LIGHT
	4+27.23	42.99 LT	5.53	CENTRAL LT SIDE, NEW LIGHT
		SUBTOTAL:	47.30	
CENTRAL - DARTMOUTH TO RICHMOND				
	5+16.39	43.27 RT	8.34	CENTRAL RT SIDE, NEW LIGHT
	5+49.50	42.52 LT	3.65	CENTRAL LT SIDE, EXISTING LIGHT
	5+72.22	41.92 LT	3.68	CENTRAL LT SIDE, NEW LIGHT
	5+73.24	43.23 RT	3.75	CENTRAL RT SIDE, NEW LIGHT
	6+35.34	43.53 RT	3.67	CENTRAL RT SIDE, EXISTING LIGHT
	6+42.38	43.23 RT	3.66	CENTRAL RT SIDE, NEW LIGHT
	6+45.22	42.59 LT	3.79	CENTRAL LT SIDE, NEW LIGHT
	6+68.07	42.07 LT	3.82	CENTRAL LT SIDE, EXISTING LIGHT
	7+00.38	43.16 RT	3.66	CENTRAL RT SIDE, NEW LIGHT
	7+15.22	42.38 LT	3.79	CENTRAL LT SIDE, NEW LIGHT
	7+59.28	42.69 RT	5.04	CENTRAL RT SIDE, EXISTING LIGHT
	7+93.21	41.08 LT	14.52	CENTRAL LT SIDE, NEW & EXISTING LIGHT
		SUBTOTAL:	61.38	
CENTRAL - RICHMOND TO BRYN MAWR				
	8+75.13	42.72 LT	4.04	CENTRAL LT SIDE, NEW LIGHT
	8+98.47	46.38 RT	10.95	CENTRAL RT SIDE, EXISTING & NEW LIGHT
	9+27.37	42.49 RT	3.92	CENTRAL RT SIDE, EXISTING LIGHT
	9+53.16	42.58 LT	3.87	CENTRAL LT SIDE, NEW LIGHT
	9+67.59	43.34 RT	3.60	CENTRAL RT SIDE, NEW LIGHT
	10+11.81	42.61 LT	3.79	CENTRAL LT SIDE, NEW LIGHT
	10+12.35	43.05 RT	3.56	CENTRAL RT SIDE, EXISTING LIGHT
	10+41.26	43.34 RT	3.52	CENTRAL RT SIDE, NEW LIGHT
	10+65.53	42.47 LT	4.32	CENTRAL LT SIDE, EXISTING LIGHT
	10+65.53	42.47 LT	4.32	CENTRAL LT SIDE, EXISTING LIGHT
	10+76.81	42.60 LT	3.50	CENTRAL LT SIDE, NEW LIGHT
	11+15.76	43.67 RT	3.44	CENTRAL RT SIDE, NEW LIGHT
	11+34.47	43.17 RT	3.42	CENTRAL RT SIDE, EXISTING LIGHT
	11+66.81	42.53 LT	3.63	CENTRAL LT SIDE, NEW LIGHT
	11+90.52	43.76 RT	3.44	CENTRAL RT SIDE, NEW LIGHT
		SUBTOTAL:	59.01	
CENTRAL - BRYN MAWR TO WELLESLEY				
	12+65.77	43.34 RT	3.09	CENTRAL RT SIDE, NEW LIGHT
	13+08.86	42.25 LT	3.82	CENTRAL LT SIDE, EXISTING LIGHT
	13+14.82	42.56 LT	3.85	CENTRAL LT SIDE, NEW LIGHT
	13+38.80	43.34 RT	4.37	CENTRAL RT SIDE, NEW LIGHT
	13+86.44	43.55 RT	3.09	CENTRAL RT SIDE, EXISTING LIGHT
	13+87.81	42.57 LT	3.83	CENTRAL LT SIDE, NEW LIGHT
	13+98.80	43.41 RT	3.09	CENTRAL RT SIDE, NEW LIGHT
	14+43.34	42.75 LT	4.43	CENTRAL LT SIDE, EXISTING LIGHT
	14+62.81	42.58 LT	3.59	CENTRAL LT SIDE, NEW LIGHT
	14+82.80	43.79 RT	3.09	CENTRAL RT SIDE, NEW LIGHT
	14+98.07	43.18 RT	3.21	CENTRAL RT SIDE, EXISTING LIGHT
	15+50.81	42.68 LT	3.29	CENTRAL LT SIDE, NEW LIGHT
		SUBTOTAL:	42.74	
CENTRAL - WELLESLEY TO TULANE				
	16+34.39	42.81 LT	6.34	CENTRAL LT SIDE, NEW LIGHT
	17+07.97	43.51 RT	3.52	CENTRAL RT SIDE, NEW LIGHT
	17+07.98	42.56 LT	7.19	CENTRAL LT SIDE, NEW & EXISTING LIGHT
	17+64.00	43.24 RT	3.57	CENTRAL RT SIDE, EXISTING LIGHT
	17+70.97	43.19 RT	3.59	CENTRAL RT SIDE, NEW LIGHT
	17+79.98	42.56 LT	4.02	CENTRAL LT SIDE, NEW LIGHT
	18+20.02	42.15 LT	4.02	CENTRAL LT SIDE, EXISTING LIGHT
	18+54.99	42.55 LT	4.02	CENTRAL LT SIDE, NEW LIGHT
	18+57.97	43.51 RT	3.08	CENTRAL RT SIDE, NEW LIGHT
	18+88.86	43.27 RT	3.05	CENTRAL RT SIDE, EXISTING LIGHT
	19+14.28	42.36 LT	4.03	CENTRAL LT SIDE, EXISTING LIGHT
	19+32.99	42.70 LT	3.68	CENTRAL LT SIDE, NEW LIGHT
	19+41.67	45.73 RT	7.48	CENTRAL RT SIDE, NEW LIGHT
		SUBTOTAL:	57.58	
CENTRAL - TULANE TO AMHERST				
	20+20.88	42.84 LT	3.70	CENTRAL LT SIDE, NEW LIGHT
	20+74.44	43.03 LT	3.70	CENTRAL LT SIDE, EXISTING LIGHT
	20+84.98	42.56 LT	3.68	CENTRAL LT SIDE, NEW LIGHT
	21+09.39	43.45 RT	3.80	CENTRAL RT SIDE, NEW LIGHT
	21+47.57	42.90 RT	3.65	CENTRAL RT SIDE, EXISTING LIGHT
	21+57.98	42.54 LT	3.68	CENTRAL LT SIDE, NEW LIGHT
	21+90.07	46.32 RT	3.78	CENTRAL RT SIDE, NEW LIGHT
	21+96.86	43.00 LT	3.65	CENTRAL LT SIDE, EXISTING LIGHT
	22+38.88	42.62 LT	3.22	CENTRAL LT SIDE, NEW LIGHT
	23+09.16	42.90 LT	4.87	CENTRAL LT SIDE, NEW & EXISTING LIGHT
	23+22.35	42.30 RT	3.59	CENTRAL RT SIDE, NEW LIGHT
		SUBTOTAL:	41.32	

CONTINUED

	STATION	LOCATION	AREA SY	REMARKS
CENTRAL - AMHERST TO CARLISLE				
	24+11.60	42.57 RT	5.21	CENTRAL RT SIDE, EXISTING LIGHT
	24+23.05	43.30 RT	3.49	CENTRAL RT SIDE, NEW LIGHT
	24+41.55	43.15 LT	3.90	CENTRAL LT SIDE, EXISTING LIGHT
	24+73.21	42.55 LT	4.67	CENTRAL LT SIDE, NEW LIGHT
	24+83.88	43.38 RT	3.54	CENTRAL RT SIDE, NEW LIGHT
	25+38.96	42.60 LT	3.80	CENTRAL LT SIDE, NEW LIGHT
	25+52.57	43.57 RT	12.30	CENTRAL RT SIDE, NEW LIGHT
	25+68.09	43.07 LT	3.82	CENTRAL LT SIDE, EXISTING LIGHT
	26+18.21	42.56 LT	3.50	CENTRAL LT SIDE, NEW LIGHT
	26+24.56	43.35 RT	3.54	CENTRAL RT SIDE, NEW LIGHT
	26+63.70	42.83 RT	3.65	CENTRAL RT SIDE, EXISTING LIGHT
	26+79.71	42.83 LT	1.61	CENTRAL LT SIDE, NEW LIGHT
		SUBTOTAL:	53.04	
CENTRAL - CARLISLE TO HERMOSA				
	27+80.18	43.06 RT	3.69	CENTRAL RT SIDE, EXISTING LIGHT
	27+87.36	43.63 RT	3.63	CENTRAL RT SIDE, NEW LIGHT
	27+91.33	43.35 LT	2.73	CENTRAL LT SIDE, NEW LIGHT
	28+25.63	42.96 LT	3.18	CENTRAL LT SIDE, EXISTING LIGHT
	28+51.20	42.74 RT	3.63	CENTRAL RT SIDE, NEW LIGHT
	28+55.33	43.22 LT	4.81	CENTRAL LT SIDE, NEW LIGHT
	29+06.53	42.82 RT	5.07	CENTRAL RT SIDE, NEW & EXISTING LIGHT
	29+34.33	42.75 LT	2.18	CENTRAL LT SIDE, NEW LIGHT
	29+47.16	42.96 LT	2.18	CENTRAL LT SIDE, EXISTING LIGHT
	30+01.20	42.74 RT	3.63	CENTRAL RT SIDE, NEW LIGHT
	30+07.04	43.24 RT	3.70	CENTRAL RT SIDE, EXISTING LIGHT
	30+19.64	43.19 LT	8.99	CENTRAL LT SIDE, NEW & EXISTING LIGHT
	30+59.59	43.31 RT	3.47	CENTRAL RT SIDE, NEW LIGHT
	30+81.39	42.62 LT	3.85	CENTRAL LT SIDE, EXISTING LIGHT
		SUBTOTAL:	54.76	
CENTRAL - HERMOSA TO SOLANO				
	31+44.98	43.99 RT	3.44	CENTRAL RT SIDE, NEW LIGHT
	31+79.15	43.89 RT	3.16	CENTRAL RT SIDE, NEW LIGHT
	31+86.73	43.36 LT	3.68	CENTRAL LT SIDE, NEW LIGHT
	32+28.32	42.90 LT	4.19	CENTRAL LT SIDE, EXISTING LIGHT
	32+36.03	43.27 LT	4.20	CENTRAL LT SIDE, NEW LIGHT
	32+46.63	44.12 RT	3.95	CENTRAL RT SIDE, NEW LIGHT
	33+26.56	43.56 RT	4.92	CENTRAL RT SIDE, NEW LIGHT
	33+46.03	43.12 LT	7.28	CENTRAL LT SIDE, NEW & EXISTING LIGHT
	33+95.97	48.08 RT	3.40	CENTRAL RT SIDE, EXISTING LIGHT
	34+06.56	43.93 RT	3.30	CENTRAL RT SIDE, NEW LIGHT
	34+45.26	43.40 LT	3.54	CENTRAL LT SIDE, NEW & EXISTING LIGHT
		SUBTOTAL:	45.07	
CENTRAL - SOLANO TO ALISO				
	35+28.57	42.82 RT	8.49	CENTRAL RT SIDE, NEW & EXISTING LIGHT
	35+74.78	43.00 LT	3.24	CENTRAL LT SIDE, NEW LIGHT
	35+79.68	43.28 RT	3.54	CENTRAL RT SIDE, NEW LIGHT
	35+84.65	43.04 LT	2.63	CENTRAL LT SIDE, EXISTING LIGHT
	36+29.61	43.63 RT	6.41	CENTRAL RT SIDE, NEW LIGHT
	36+48.74	42.98 LT	5.18	CENTRAL LT SIDE, NEW LIGHT
	36+75.20	43.28 RT	3.38	CENTRAL RT SIDE, EXISTING LIGHT
	36+75.31	43.02 LT	2.70	CENTRAL LT SIDE, EXISTING LIGHT
	36+93.65	42.97 RT	3.23	CENTRAL RT SIDE, NEW LIGHT
	37+28.00	43.33 LT	2.63	CENTRAL LT SIDE, NEW LIGHT
	37+79.21	43.15 LT	5.85	CENTRAL LT SIDE, NEW & EXISTING LIGHT
		SUBTOTAL:	47.26	
CENTRAL - ALISO TO MORNINGSIDE				
	38+18.22	42.49 RT	4.44	CENTRAL RT SIDE, NEW & EXISTING LIGHT
	38+47.21	43.33 LT	3.42	CENTRAL LT SIDE, NEW LIGHT
	38+78.99	43.30 RT	4.89	CENTRAL RT SIDE, NEW LIGHT
	38+80.96	43.00 LT	3.55	CENTRAL LT SIDE, NEW LIGHT
	38+92.42	43.07 LT	2.89	CENTRAL LT SIDE, EXISTING LIGHT
	39+39.73	43.09 RT	7.90	CENTRAL RT SIDE, NEW & EXISTING LIGHT
	39+41.48	43.05 LT	3.31	CENTRAL LT SIDE, NEW LIGHT
	40+07.72	42.74 RT	2.61	CENTRAL RT SIDE, NEW LIGHT
	40+89.00	36.71 RT	10.02	CENTRAL RT SIDE, NEW & EXISTING LIGHT
	41+03.48	42.69 LT	6.63	CENTRAL LT SIDE, NEW LIGHT
		SUBTOTAL:	49.65	
DARTMOUTH				
	10+31.36	20.04 LT	8.35	DARTMOUTH LT SIDE, NEW LIGHT
	10+31.49	20.46 RT	3.94	DARTMOUTH RT SIDE, NEW LIGHT
	11+57.39	21.59 LT	8.37	DARTMOUTH LT SIDE, NEW LIGHT
	11+59.46	19.94 RT	4.86	DARTMOUTH RT SIDE, NEW LIGHT
	13+34.97	29.46 LT	6.19	DARTMOUTH LT SIDE, NEW LIGHT
	13+35.58	29.85 RT	4.49	DARTMOUTH RT SIDE, NEW LIGHT
	14+10.57	31.22 RT	3.91	DARTMOUTH RT SIDE, NEW LIGHT
		SUBTOTAL:	40.12	
RICHMOND				
	10+25.77	32.57 RT	2.84	RICHMOND RT SIDE, NEW LIGHT
	11+66.23	31.70 RT	3.02	RICHMOND RT SIDE, NEW LIGHT
	11+67.31	32.37 LT	3.09	RICHMOND LT SIDE, NEW LIGHT
	13+49.04	28.83 LT	4.49	RICHMOND LT SIDE, NEW LIGHT
	13+52.38	30.45 RT	4.24	RICHMOND RT SIDE, NEW LIGHT
	14+06.51	28.98 LT	4.29	RICHMOND LT SIDE, NEW LIGHT
	14+35.67	29.88 LT	3.88	RICHMOND RT SIDE, NEW LIGHT
		SUBTOTAL:	25.64	
BRYN MAWR SOUTH				
	10+76.76	24.00 RT	4.98	BRYN MAWR SOUTH RT SIDE, NEW LIGHT
	10+78.21	24.53 LT	9.10	BRYN MAWR SOUTH LT SIDE, NEW LIGHT
		SUBTOTAL:	14.07	

CONTINUED

	STATION	LOCATION	AREA SY	REMARKS
BRYN MAWR NORTH				
	20+92.29	25.32 RT	9.67	BRYN MAWR NORTH RT SIDE, NEW LIGHT
	21+87.07	21.11 RT	2.62	BRYN MAWR NORTH RT SIDE, NEW LIGHT
	21+94.36	18.12 LT	5.62	BRYN MAWR SOUTH LT SIDE, NEW LIGHT
		SUBTOTAL:	17.91	
WELLESLEY				
	11+01.94	19.54 LT	9.23	WELLESLEY LT SIDE, NEW LIGHT
	11+19.86	19.59 RT	4.12	WELLESLEY RT SIDE, NEW LIGHT
	13+42.49	17.90 RT	6.40	WELLESLEY RT SIDE, NEW LIGHT
	13+42.96	29.47 LT	2.43	WELLESLEY LT SIDE, NEW LIGHT
		SUBTOTAL:	22.18	
TULANE				
	10+61.03	20.56 LT	4.82	TULANE LT SIDE, NEW LIGHT
	10+61.81	19.34 RT	4.39	TULANE RT SIDE, NEW LIGHT
	13+03.10	36.60 LT	3.06	TULANE LT SIDE, NEW LIGHT
		SUBTOTAL:	12.27	
AMHERST				
	10+69.33	31.77 RT	2.94	AMHERST RT SIDE, NEW LIGHT
	10+77.53	32.91 LT	2.94	AMHERST LT SIDE, NEW LIGHT
	12+04.33	31.65 RT	2.89	AMHERST RT SIDE, NEW LIGHT
	12+12.53	32.22 LT	5.79	AMHERST LT SIDE, NEW LIGHT
		SUBTOTAL:	14.56	
CARLISLE SOUTH				
	10+16.61	26.73 RT	2.61	CARLISLE SOUTH RT SIDE, NEW LIGHT
	11+09.74	28.64 RT	9.47	CARLISLE SOUTH RT SIDE, NEW LIGHT
	11+10.04	28.47 LT	2.91	CARLISLE SOUTH LT SIDE, NEW LIGHT
	11+74.37	27.26 LT	2.99	CARLISLE SOUTH LT SIDE, NEW LIGHT
		SUBTOTAL:	17.97	
CARLISLE NORTH				
	20+90.99	23.02 RT	3.27	CARLISLE NORTH RT SIDE, NEW LIGHT
	21+06.47	24.04 LT	2.65	CARLISLE NORTH LT SIDE, NEW LIGHT
		SUBTOTAL:	5.92	
HERMOSA SOUTH				
	11+58.19	20.34 RT	8.29	HERMOSA SOUTH RT SIDE, NEW LIGHT
		SUBTOTAL:	8.29	
HERMOSA NORTH				
	21+19.71	17.31 RT	6.14	HERMOSA NORTH RT SIDE, NEW LIGHT
	21+19.50	18.79 LT	3.06	HERMOSA NORTH LT SIDE, NEW LIGHT
		SUBTOTAL:	9.20	
SOLANO SOUTH				
	10+92.97	19.71 LT	2.61	SOLANO SOUTH LT SIDE, NEW LIGHT
	10+93.10	19.82 RT	2.77	SOLANO SOUTH RT SIDE, NEW LIGHT
		SUBTOTAL:	5.39	
SOLANO NORTH				
	21+04.21	23.71 LT	5.95	SOLANO NORTH LT SIDE, NEW LIGHT
	21+09.88	17.90 RT	2.61	SOLANO NORTH RT SIDE, NEW LIGHT
		SUBTOTAL:	8.56	
ALISO SOUTH				
	10+36.52	19.73 LT	2.59	ALISO SOUTH LT SIDE, NEW LIGHT
	10+36.74	20.12 RT	6.55	ALISO SOUTH RT SIDE, NEW LIGHT
		SUBTOTAL:	9.14	
ALISO NORTH				
	21+08.33	18.39 RT	2.84	ALISO NORTH RT SIDE, NEW LIGHT
	21+08.41	17.54 LT	1.63	ALISO NORTH LT SIDE, NEW LIGHT
		SUBTOTAL:	4.46	
MORNINGSIDE SOUTH				
	10+88.38	21.98 LT	2.33	MORNINGSIDE SOUTH LT, NEW LIGHT
	12+11.38	22.50 LT	4.85	MORNINGSIDE SOUTH LT, NEW LIGHT
		SUBTOTAL:	7.18	
MORNINGSIDE NORTH				
	21+54.84	19.81 LT	2.67	MORNINGSIDE NORTH LT, NEW LIGHT
		SUBTOTAL:	2.67	
TOTAL SIDEWALK (REMOVE & REPLACE)			784.88	
		USE	790.00	SY

STATIONS TAKEN AT CENTER OF LIGHT POLE

801.002 6" WATERLINE PIPE EXCL. FITTINGS, (STD. SPEC. SEC. 801), INCL. TRENCH & COMPACTED

	STATION	LOCATION		STATION	LOCATION	LENGTH LF	REMARKS
CENTRAL/BRYN MAWR INTERSECTION							
5	11+84.83	58.34 LT	-	11+98.48	60.71 LT	14	NW RAMP
					SUBTOTAL:	14	
CENTRAL - BRYN MAWR TO WELLESLEY							
	14+07.68	48.05 RT	-	14+17.68	46.93 RT	12	RT SIDE
					SUBTOTAL:	~~12~~ DELETED	
CENTRAL - TULANE TO AMHERST							
	21+63.47	49.75 RT	-	21+77.94	47.57 RT	15	RT SIDE
					SUBTOTAL:	~~15~~ DELETED	
CENTRAL/HERMOSA SOUTH INTERSECTION							
6	30+74.69	63.64 RT	-	30+81.28	62.82 RT	7	SW RAMP
7	31+34.75	43.03 RT	-	31+34.76	31.30 RT	12	SE RAMP
					SUBTOTAL:	19	
					SUBTOTAL:	~~33.00~~ DELETED	LF
					USE:	~~33.00~~ DELETED	LF

801.113 FIRE HYDRANT 4'BURY, MJ, INCL. BLOCKING & AGGREGATE, CIP. SD 2340

	STATION	LOCATION	EACH EA	REMARKS
CENTRAL/BRYN MAWR INTERSECTION				
1	11+82.83	58.34 LT	1	NW RAMP
		SUBTOTAL:	1	
CENTRAL - BRYN MAWR TO WELLESLEY				
	14+07.68	48.05 RT	DELETED	RT SIDE
		SUBTOTAL:	DELETED	
CENTRAL - TULANE TO AMHERST				
	21+63.47	49.75 RT	DELETED	RT SIDE
		SUBTOTAL:	DELETED	
CENTRAL/HERMOSA SOUTH INTERSECTION				
2	30+74.69	63.64 RT	1	SW RAMP
3	31+34.75	43.03 RT	1	SE RAMP
		SUBTOTAL:	2	
		SUBTOTAL:	~~3~~ DELETED	EA
		USE:	~~3~~ DELETED	EA

801.119 FIRE HYDRANT, EXISTING, REMOVE & SALVAGE, COMPL.

	STATION	LOCATION	EACH EA	REMARKS
CENTRAL/BRYN MAWR INTERSECTION				
	11+83.53	43.68 LT	1	NW RAMP
		SUBTOTAL:	1	
CENTRAL - BRYN MAWR TO WELLESLEY				
	14+07.68	48.05 RT	DELETED	RT SIDE
		SUBTOTAL:	DELETED	
CENTRAL - TULANE TO AMHERST				
	21+63.47	49.75 RT	DELETED	RT SIDE
		SUBTOTAL:	DELETED	
CENTRAL/HERMOSA SOUTH INTERSECTION				
	30+71.90	51.28 RT	1	SW RAMP
	31+28.22	44.08 RT	1	SE RAMP
		SUBTOTAL:	2	
		SUBTOTAL:	~~3~~ DELETED	EA
		USE:	~~3~~ DELETED	EA

REMOVE AND RELOCATE WASTE RECEPTACLE

	STATION	LOCATION	MOVE FROM-TO	STATION	LOCATION	EACH EA	REMARKS
CENTRAL - RICHMOND TO BRYN MAWR							
	8+76.26	41.78 LT	-	8+79.44	41.97 LT	1	CENTRAL LT SIDE
	8+99.09	42.70 RT	-	9+03.08	48.49 RT	1	CENTRAL RT SIDE
	11+73.56	42.38 LT	-	11+70.78	42.56 LT	1	CENTRAL LT SIDE
	11+94.56	43.93 RT	-	11+94.13	42.74 RT	1	CENTRAL RT SIDE
					SUBTOTAL:	4	
CENTRAL - WELLESLEY TO TULANE							
	19+60.67	49.73 RT	-	19+45.79	48.25 RT	1	CENTRAL RT SIDE
					SUBTOTAL:	1	
CENTRAL - TULANE TO AMHERST							
	22+61.14	43.15 RT	-	22+61.14	43.15 RT	1	CENTRAL RT SIDE
					SUBTOTAL:	1	
CENTRAL - AMHERST TO CARLISLE							
	24+09.73	43.97 RT	-	24+09.73	43.97 RT	1	CENTRAL RT SIDE
	26+66.38	43.13 RT	-	26+66.38	43.13 RT	1	CENTRAL RT SIDE
					SUBTOTAL:	2	
CENTRAL - CARLISLE TO HERMOSA							
	27+89.25	46.61 LT	-	27+95.30	42.97 LT	1	CENTRAL LT SIDE
	29+90.69	47.09 RT	-	29+90.69	47.09 RT	1	CENTRAL RT SIDE
					SUBTOTAL:	2	
					SUBTOTAL:	10	EA
FOR INFORMATION ONLY					USE:	10	EA

FH info above: 1. N-1484834.44 E-1532826.43 Z-5204.20
2. N-1484403.21 E-1534672.18 Z-5203.84
3. N-1484414.64 E-1534734.27 Z-5201.36
NAVD 88

801.081 6" GATE VALVE, CIP SD 2333

	STATION	LOCATION	EACH EA	REMARKS
CENTRAL/BRYN MAWR INTERSECTION				
1	11+88.37	58.98 LT	1	NW RAMP
		SUBTOTAL:	1	
CENTRAL/HERMOSA SOUTH INTERSECTION				
2	30+78.46	63.17 RT	1	SW RAMP
3	31+34.75	39.44 RT	1	SE RAMP
		SUBTOTAL:	2	
		SUBTOTAL:	3	EA
		USE:	3	EA

1. N-1484834.75 E-1532832.29 Z-5202.13
2. N-1484400.41 E-1534679.52 Z-5200.74
3. N-1484480.03 E-1534729.49 Z-5199.64
NAVD 88

801.059 NON PRESSURIZED CONNECTION, EXISTING

	STATION	LOCATION	EACH EA	REMARKS
CENTRAL/BRYN MAWR INTERSECTION				
	11+83.53	43.68 LT	1	NW RAMP
		SUBTOTAL:	1	
CENTRAL - BRYN MAWR TO WELLESLEY				
	14+07.68	48.05 RT	DELETED	RT SIDE
		SUBTOTAL:	DELETED	
CENTRAL - TULANE TO AMHERST				
	21+63.47	49.75 RT	DELETED	RT SIDE
		SUBTOTAL:	DELETED	
CENTRAL/HERMOSA SOUTH INTERSECTION				
	30+71.90	51.28 RT	1	SW RAMP
	31+28.22	44.08 RT	1	SE RAMP
		SUBTOTAL:	2	
		SUBTOTAL:	~~3~~ DELETED	EA
		USE:	~~3~~ DELETED	EA

AS BUILT INFORMATION
BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC
SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV. = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483955.175
EASTING = 1538790.906

NO.	BY	DATE	FIELD NOTES
			SURVEY INFORMATION

CONTRACTOR: BIXBY ELECTRIC DATE 8/12
WORK STAKED BY: SMBA DATE 8/12
ACCEPTANCE BY: COA DATE 8/12
VERIFICATION BY: COA DATE 8/12
DRAWINGS BY: HDR ENGINEERING DATE 8/12
MICRO-FILM INFORMATION
RECORDED BY:
NO.

ENGINEER'S SEAL
EDWARD L. PODRAZIK, NEW MEXICO, 17633, PROFESSIONAL ENGINEER
FEB 7, 2011

NO.	BY	DATE	REMARKS
			REVISIONS
			HDR ENGINEERING INC.
			DESIGNED BY: AMG DATE: 01/11
			DRAWN BY: AMG DATE: 01/11
			CHECKED BY: ELP DATE: 01/11

2155 LOUISIANA BLVD., NE
SUITE 9500
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FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
MISCELLANEOUS QUANTITIES

Design Review Committee: APPROVED MAR 11 2011 DEVELOPMENT REVIEW BOARD
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER

Last Design Update: Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 8R Of 51

RECORD DRAWING

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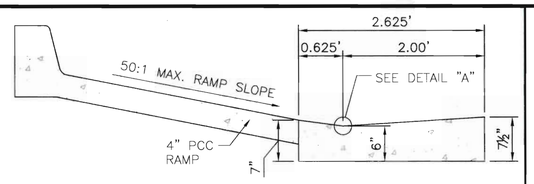
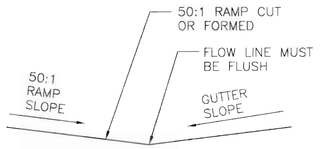


GUTTER AT (WHEEL CHAIR) CURB ACCESS RAMP



CURB CUT DETAIL - ADA COMPLIANT DETAIL "A"

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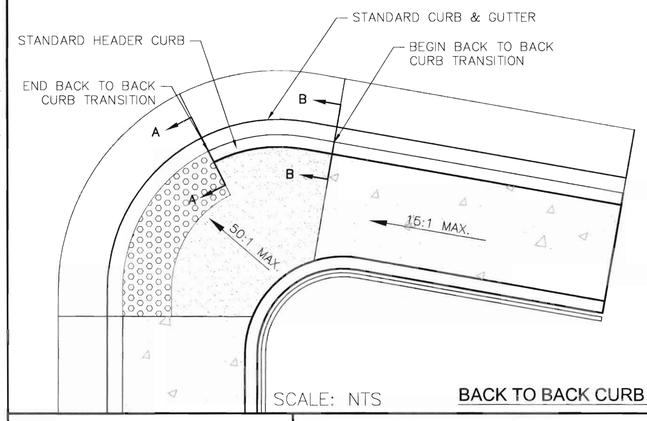
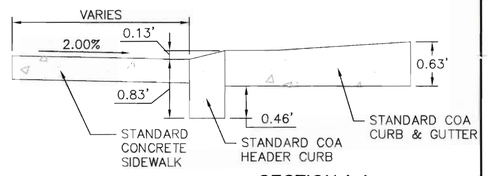
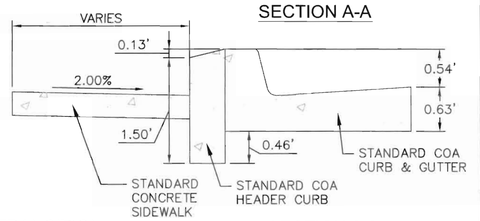


SCALE: NTS

BACK TO BACK CURB TRANSITION



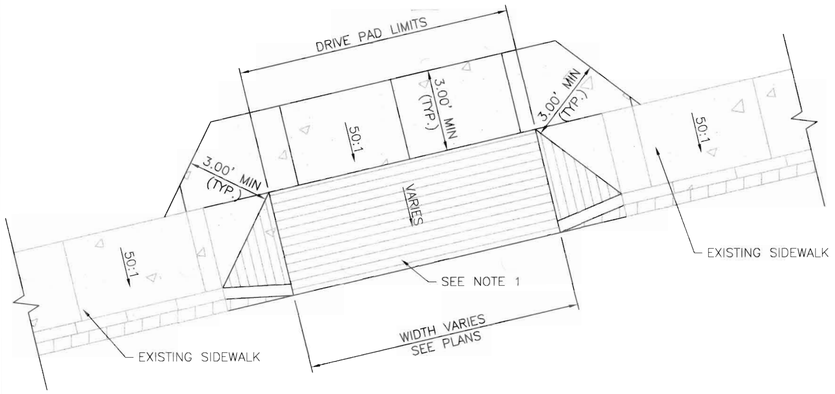
SECTION A-A



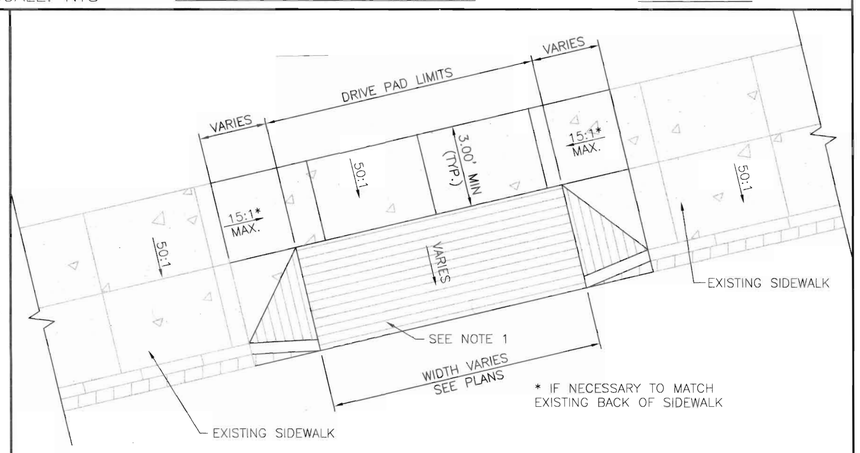
SECTION B-B

NOTES:

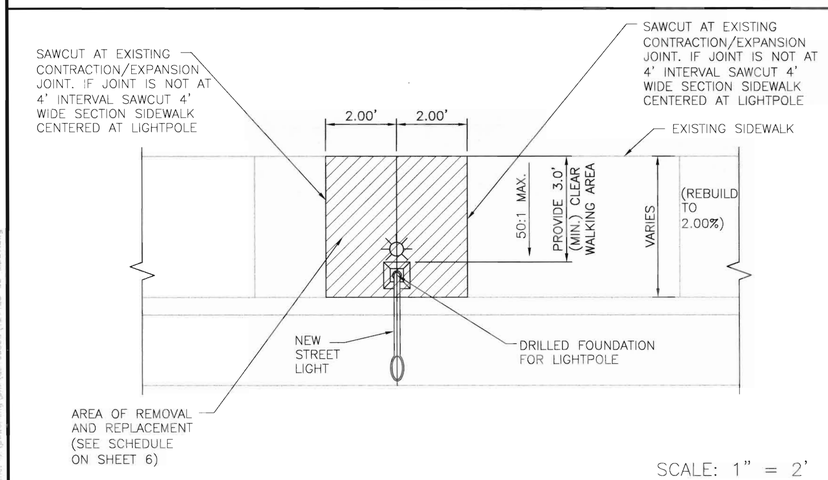
1 REFER TO COA STD DWG 2415A FOR CURB AND GUTTER TRANSITION DETAILS AT DRIVE PADS AND CURB ACCESS RAMPS.



DRIVEPAD - OFFSET SIDEWALK SCALE: NTS

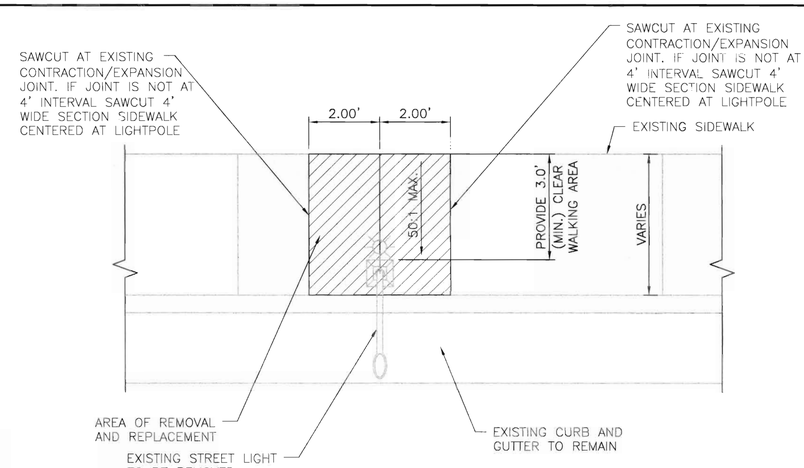


DRIVEPAD - WIDE SIDEWALK SCALE: NTS



SCALE: 1" = 2'

SIDEWALK REMOVAL AND NEW STREET LIGHT PLACEMENT



SCALE: 1" = 2'

SIDEWALK AND EXISTING STREET LIGHT REMOVAL

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE. NAVD 1988 ELEV = 5247.329

GROUND TO GRID FACTOR: 0.999864599

NORTHING = 1483955.175

EASTING = 1538790.906

AS BUILT INFORMATION

CONTRACTOR	BIGBY ELECTRIC	DATE 8/12
WORK STAKED BY:	SMAA	DATE 8/12
INSPECTORS ACCEPTANCE BY:	COA	DATE 8/12
FIELD VERIFICATION BY:	COA	DATE 8/12
AS-BUILTS CORRECTED BY:	HDR ENGINEERING	DATE 8/12

MICRO-FILM INFORMATION

RECORDED BY

NO.

ENGINEER'S SEAL

EDWARD L. PORTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER

Feb 7, 2011

NO.	DATE	REMARKS	BY
		REVISIONS	
		HDR ENGINEERING INC.	
		DESIGNED BY: AMC	DATE: 01/11
		DRAWN BY: SFC	DATE: 01/11
		CHECKED BY: ELP	DATE: 01/11

2155 LOUISIANA BLVD., NE
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

MISCELLANEOUS DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

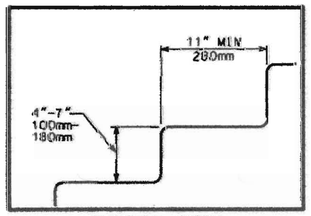
City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 9 Of 51

RECORD DRAWING

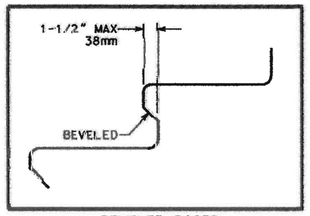
Date: Feb 04, 2011 - 7:50am Incomm Layout: Sheet
Design Name: C:\Users\Kring\Data\01\60831\124428-09-M001.dwg

STAIRWAY REQUIREMENTS

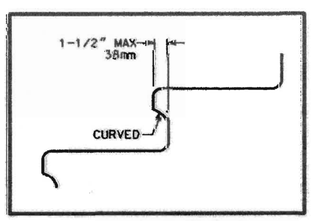
1. STAIRWAYS SHALL BE 36 INCHES (915 mm) WIDE MINIMUM BETWEEN HANDRAILS.
2. ALL STEPS ON A FLIGHT OF STAIRS SHALL HAVE UNIFORM RISER HEIGHTS AND UNIFORM TREAD DEPTH. RISERS SHALL BE 4 INCHES (100 mm) HIGH MINIMUM AND 7 INCHES (180 mm) MAXIMUM. TREADS SHALL BE 11 INCHES (280 mm) DEEP MINIMUM MEASURED FROM RISER TO RISER.
3. OPEN RISERS SHALL NOT BE PERMITTED.
4. STAIR TREADS SHALL BE STABLE, FIRM, AND SLIP RESISTANT.
5. THE RADIUS OF CURVATURE AT THE LEADING EDGE OF THE TREAD SHALL BE $\frac{1}{2}$ INCH (13 mm) MAXIMUM. NOSINGS THAT PROJECT BEYOND RISERS SHALL HAVE THE UNDERSIDE OF THE LEADING EDGE CURVED OR BEVELED. RISERS SHALL BE PERMITTED TO SLOPE UNDER THE TREAD AT AN ANGLE OF 30 DEGREES MAXIMUM FROM THE VERTICAL. THE PERMITTED PROJECTION OF THE NOSING SHALL BE $1\frac{1}{2}$ INCHES (38 mm) MAXIMUM BEYOND THE TREAD BELOW.
6. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS.
7. OUTDOOR STAIRS AND OUTDOOR APPROACHES TO STAIRS SHALL BE DESIGNED SO THAT WATER WILL NOT ACCUMULATE ON WALKING SURFACES.



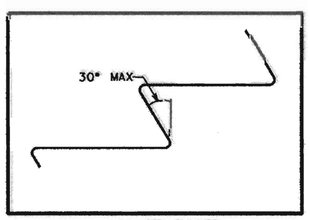
VERTICAL RISER



BEVELED RISER



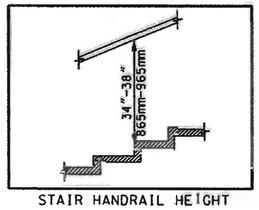
CURVED RISER



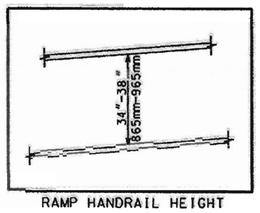
ANGLED RISER

HANDRAIL REQUIREMENTS

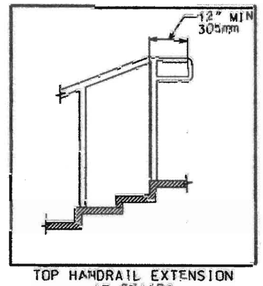
1. HANDRAILS SHALL BE PROVIDED ON BOTH SIDES OF STAIRS AND RAMPS.
2. HANDRAILS SHALL BE CONTINUOUS WITHIN THE FULL LENGTH OF EACH STAIR FLIGHT OR RAMP RUN. INSIDE HANDRAILS ON SWITCH BACK OR DOGLEG STAIRS OR RAMPS SHALL BE CONTINUOUS BETWEEN FLIGHTS OR RUNS.
3. TOP OF GRIPPING SURFACE OF HANDRAILS SHALL BE 34 INCHES (865 mm) MINIMUM AND 38 INCHES (965 mm) MAXIMUM VERTICALLY ABOVE STAIR NOSINGS AND RAMP SURFACES. HANDRAILS SHALL BE AT A CONSISTENT HEIGHT ABOVE STAIR NOSINGS AND RAMP SURFACES.
4. CLEAR SPACE BETWEEN HANDRAIL AND WALL SHALL BE $1\frac{1}{2}$ INCHES (38 mm) MINIMUM.
5. GRIPPING SURFACES SHALL BE CONTINUOUS, WITHOUT INTERRUPTION BY NEWEL POSTS, OTHER CONSTRUCTION ELEMENTS, OR OBSTRUCTIONS.
   EXCEPTION:
   HANDRAIL BRACKETS OR BALUSTERS ATTACHED TO THE BOTTOM SURFACE OF THE HANDRAIL SHALL NOT BE CONSIDERED OBSTRUCTIONS PROVIDED THEY COMPLY WITH THE FOLLOWING CRITERIA:
   A. NOT MORE THAN 20 PERCENT OF THE HANDRAIL LENGTH IS OBSTRUCTED.
   B. HORIZONTAL PROJECTIONS BEYOND THE SIDES OF THE HANDRAIL OCCUR $2\frac{1}{2}$ INCHES (64 mm) MINIMUM BELOW THE BOTTOM OF THE HANDRAIL, AND
   C. EDGES HAVE A $\frac{1}{8}$ INCH (3.2 mm) MINIMUM RADIUS.
6. HANDRAILS SHALL HAVE A CIRCULAR CROSS SECTION WITH AN OUTSIDE DIAMETER OF $1\frac{1}{4}$ INCH (32 mm) MINIMUM AND 2 INCHES (51 mm) MAXIMUM. OR SHALL PROVIDE EQUIVALENT GRASPABILITY.
   EXCEPTION: HANDRAILS WITH OTHER SHAPES SHALL BE PERMITTED PROVIDED THEY HAVE A PERIMETER DIMENSION OF 4 INCHES (100 mm) MINIMUM AND $6\frac{1}{4}$ INCHES (160 mm) MAXIMUM, AND PROVIDED THEIR LARGEST CROSS-SECTION DIMENSION IS $2\frac{1}{4}$ INCHES (57 mm) MAXIMUM.
7. HANDRAILS, AND ANY WALL OR OTHER SURFACES ADJACENT TO THEM, SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS. EDGES SHALL HAVE $\frac{1}{8}$ INCH (3.2 mm) MINIMUM RADIUS.
8. HANDRAILS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
9. HANDRAILS FOR STAIRS AND RAMPS SHALL HAVE EXTENSIONS.
   EXCEPTIONS:
   A. EXTENSIONS ARE NOT REQUIRED FOR CONTINUOUS HANDRAILS AT THE INSIDE TURN OF STAIRS AND RAMPS.
   B. IN ALTERATIONS, FULL EXTENSIONS OF HANDRAILS SHALL NOT BE REQUIRED WHERE SUCH EXTENSIONS WOULD BE HAZARDOUS OR IMPOSSIBLE DUE TO PLAN CONFIGURATION.
10. RAMP HANDRAILS SHALL EXTEND HORIZONTALLY 12 INCHES (305 mm) MINIMUM BEYOND THE TOP AND BOTTOM OF RAMP RUNS. SUCH EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT RAMP RUN.
11. AT THE TOP OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND HORIZONTALLY ABOVE THE LANDING FOR 12 INCHES (305 mm) MINIMUM BEGINNING DIRECTLY ABOVE THE FIRST RISER NOSING. SUCH EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.
12. AT THE BOTTOM OF A STAIR FLIGHT, HANDRAILS SHALL EXTEND AT THE SLOPE OF THE STAIR FLIGHT FOR A HORIZONTAL DISTANCE EQUAL TO ONE TREAD DEPTH BEYOND THE LAST RISER NOSING. SUCH EXTENSIONS SHALL CONTINUE WITH A HORIZONTAL EXTENSION OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT OR SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE. THE HORIZONTAL EXTENSION OF A HANDRAIL SHALL BE 12 INCHES (305 mm) LONG MINIMUM AND A HEIGHT EQUAL TO THAT OF THE SLOPING PORTION OF THE HANDRAIL AS MEASURED ABOVE THE STAIR NOSINGS. SUCH EXTENSIONS SHALL RETURN TO A WALL, GUARD, OR THE WALKING SURFACE, OR SHALL BE CONTINUOUS TO THE HANDRAIL OF AN ADJACENT STAIR FLIGHT.



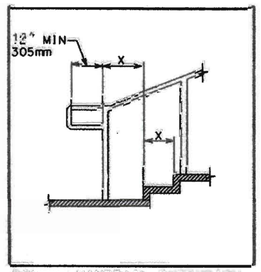
STAIR HANDRAIL HEIGHT



RAMP HANDRAIL HEIGHT



TOP HANDRAIL EXTENSION AT STAIRS



BOTTOM HANDRAIL EXTENSION AT STAIRS

HANDRAIL CLEARANCE

N.T.S.

SURVEY INFORMATION
FIELD NOTES
NO. | BY | DATE

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED
"B-K9A ACS" NOTE: NAVD
COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP CENTRAL ZONE
NAVD 1988 VIEW = 5247.523)
GROUND TO GRID FACTOR: 0.999664598
NORTHING = 1485985.175
EASTING = 1536780.308

AS BUILT INFORMATION
CONTRACTOR: BINSBY ELECTRIC DATE 8/12
WORK STAKED BY: SMMA DATE 8/12
INSPECTED BY: DATE
ASBUILTED BY: JAY COOK DATE 8/12
VERIFIED BY: JAY COOK DATE 8/12
CORRECTED BY: HDR ENGINEERING DATE 8/12
MICRO-FILM INFORMATION
RECORDED BY:
NO.

ENGINEER'S SEAL
EDWARD RAYMOND HOPE JR. NEW MEXICO 17634 PROFESSIONAL ENGINEER
FEB 7, 2011

NO.	DATE	REMARKS / REVISIONS	BY
		HDR ENGINEERING, INC.	
	DATE: 09/11	DESIGNED BY: AMS	
	DATE: 09/11	DRAWN BY: AMS	
	DATE: 09/11	CHECKED BY: ELP	

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FAX (505) 830-5454
HDR ENGINEERING, INC.
ONE COMPANY Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
MISCELLANEOUS DETAILS

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 10 of 51

RECORD DRAWING

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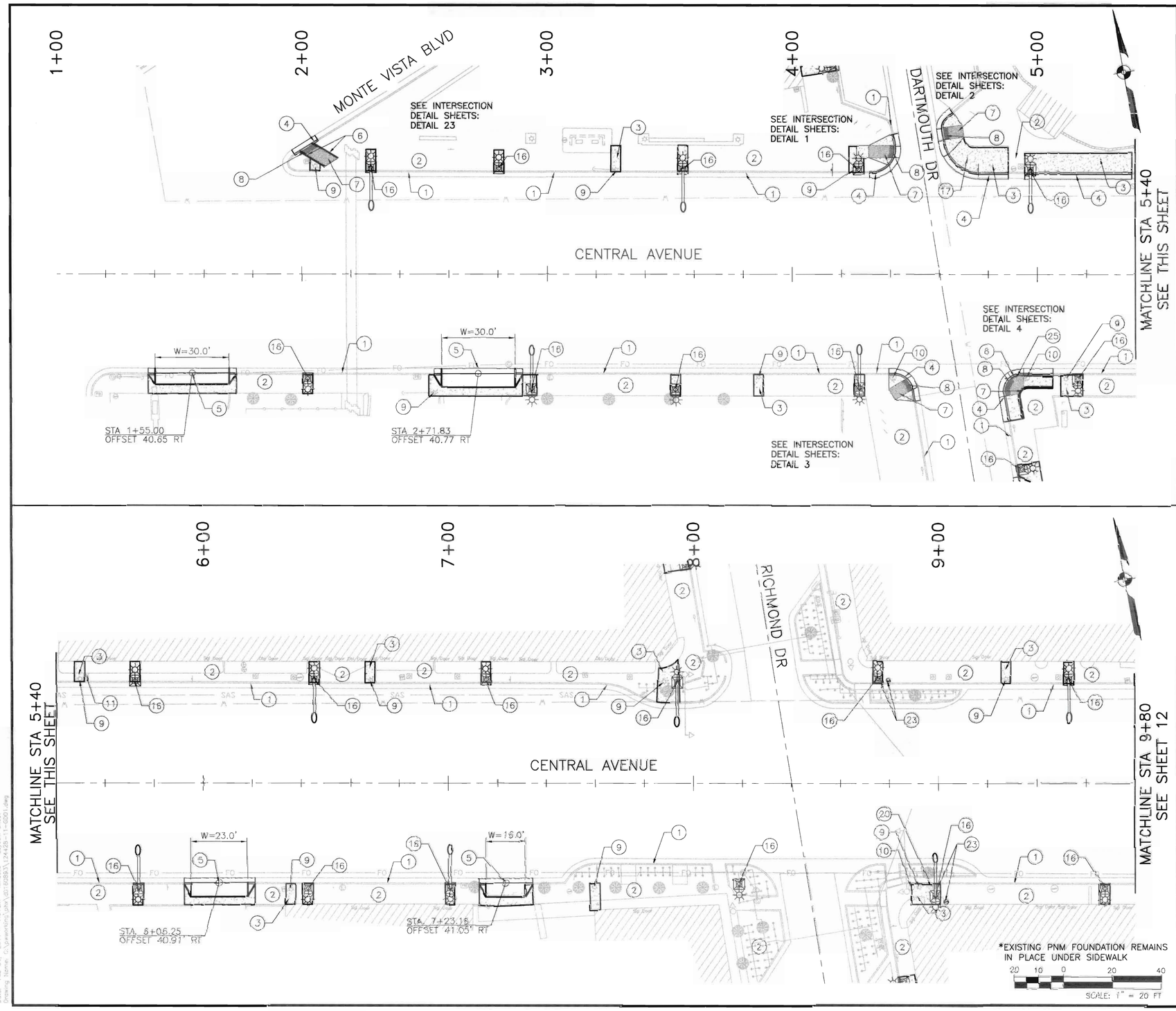

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP. 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
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15. REMOVE EXISTING TREE.
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18. REMOVE AND REPLACE EXISTING ASPHALT.
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22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
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25. HEADER CURB AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "B-K16A AGS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83/ NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329 GROUND TO GRID FACTOR: 0.9996645599 NORTHING = 1483956.175 EASTING = 1536790.902

AS BUILT INFORMATION

	NAME	DATE
CONTRACTOR	BISBY ELECTRIC	DATE 8/1/12
SURVEY BY	SMAA	DATE 8/1/12
INSPECTIONS BY	COA	DATE 8/1/12
FIELD VERIFICATIONS BY	COA	DATE 8/1/12
DRAWINGS AS-BUILTED BY	HDR ENGINEERING	DATE 8/1/12

MICRO-FILM INFORMATION

RECORDED BY

MAP NO.

ENGINEER'S SEAL

EDWARD L. MATHOS, NEW MEXICO, 17533, PROFESSIONAL ENGINEER

Feb 7, 2011

REMARKS / REVISIONS

NO.	DATE	BY

HDR ENGINEERING INC.

DESIGNED BY: AMG DATE: 01/11
DRAWN BY: SFG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

2155 LOUISIANA BLVD., NE
SUITE 9000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

HDR ENGINEERING INC. ONE COMPANY *Many Solutions*

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
MONTE VISTA TO RICHMOND PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	11	51

RECORD DRAWING

Date: Feb 04, 2011 - 7:51am kmoore Layout: Sheet
Drawing Name: c:\pwworking\pkw\d0188931\124428-11-6201.dwg

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
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5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
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AS BUILT INFORMATION
CONTRACTOR: BRYSK ELECTRIC — DATE 8/1/12
REVIEWED BY: SMA — DATE 8/1/12
FIELD INSPECTIONS/ ACCEPTANCE BY COA — DATE 8/1/12
CERTIFICATION BY COA — DATE 8/1/12
CORRECTED BY: HDR ENGINEERING — DATE 8/1/12

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-A13A #GS", NOTE: NMSP COORDINATES REVISED AUGUST 1997.
NAD 83 NMSP COORDINATES (CENTRAL ZONE)
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999965459
NORTHING = 1483956.175
EASTING = 1538790.998

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

MACRO-FILM INFORMATION
RECORDED BY:
NO.

ENGINEER'S SEAL
EDWARD A. MARTINEZ JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER
FEB 7, 2011

NO.	DATE	REMARKS	BY
		REVISIONS	

HDR ENGINEERING INC.
DESIGNED BY: AMG — DATE: 01/11
DRAWN BY: SFG — DATE: 01/11
CHECKED BY: ELP — DATE: 01/11

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FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
BRYN MAWR TO WELLESLEY PLAN

Design Review Committee	City Engineer Approval	Last Design Update
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 12R of 51

RECORD DRAWING

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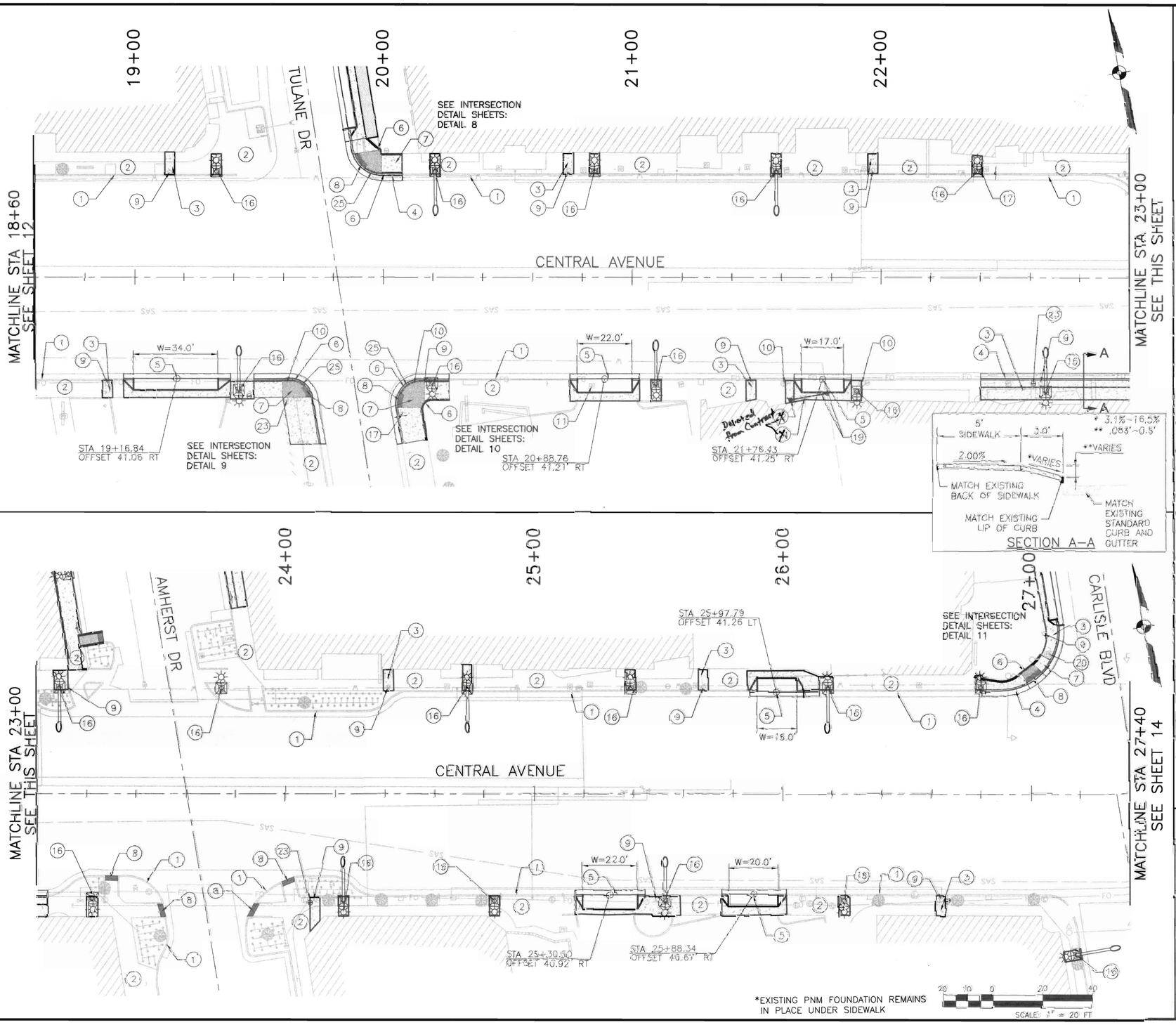

KEYED NOTES:

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5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
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SURVEY INFORMATION — FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION

BENCH MARKS

THE STATION IS A 2 INCH BRASS, USC SET IN THE SIDEWALK, AND IS STAMPED "2-1/2" DIA. ACS", NOTE: NMCP

COORDINATES REVISED AUGUST 1987.

NAD 83 NMCP (COORDINATES "CENTRAL ZONE")

NAVD 1988 ELEV. = 5047.529

GROUND TO GRID FACTOR: 0.999866-6998

NORTHING = 1483385.175

EASTING = 1513879.908

CONTRACTOR: BIGBY ELECTRIC — DATE: 8/1/12
WORK: SIMBA — DATE: 8/1/12
RESPECTFULLY: — DATE: 8/1/12
ACCEPTANCE BY: CODA — DATE: 8/1/12
RECOMMENDED BY: — DATE: 8/1/12
APPROVED BY: HDR ENGINEERING — DATE: 8/1/12

MICRO-FILM INFORMATION
RECORDED BY:
NO.

ENGINEER'S SEAL

EDWARD R. GUTIERREZ JR. — NEW MEXICO — 17633 — PROFESSIONAL ENGINEER

FEB 7, 2011

NO.	DATE	REMARKS / REVISIONS	BY
		HDR ENGINEERING INC.	
		DESIGNED BY: AMG — DATE: 01/11	
		DRAWN BY: STG — DATE: 01/11	
		CHECKED BY: ELP — DATE: 01/11	

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MAIN: (505) 830-5800
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HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
TULANE TO CARLISLE PLAN

Design Review Committee	City Engineer Approval	Last Design Update
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	13R	51

RECORD DRAWING

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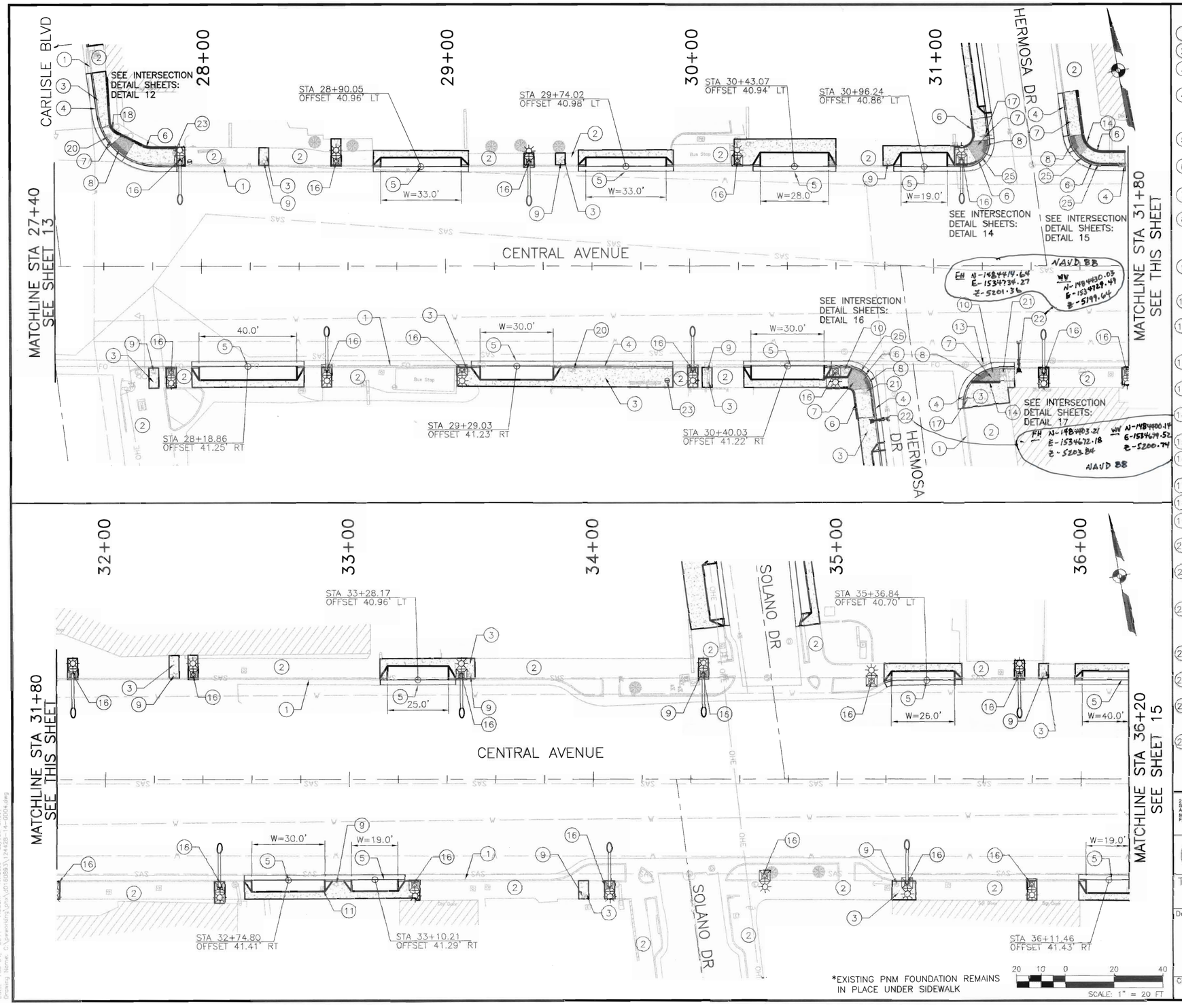

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE, SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

AS BUILT INFORMATION
CONTRACTOR: BKBY ELECTRIC DATE: 8/12
STAKED BY: SMSA DATE: 8/12
INSPECTOR'S FIELD NOTES BY: COA DATE: 8/12
DRAWINGS MARKED UP BY: COA DATE: 8/12
CORRECTED BY: HDR ENGINEERING DATE: 8/12
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1997.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483955.175
EASTING = 1538790.926

SURVEY INFORMATION
NO. | FIELD NOTES | BY | DATE

ENGINEER'S SEAL
EDWARD C. ROTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER
Feb 7, 2011

NO.	DATE	REMARKS	BY
		REVISIONS	
		HDR ENGINEERING INC.	
		DESIGNED BY: AMC	DATE: 01/11
		DRAWN BY: SFG	DATE: 01/11
		CHECKED BY: ELP	DATE: 01/11

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-0400
FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
CARLISLE TO SOLANO PLAN

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 14 Of 51

RECORD DRAWING

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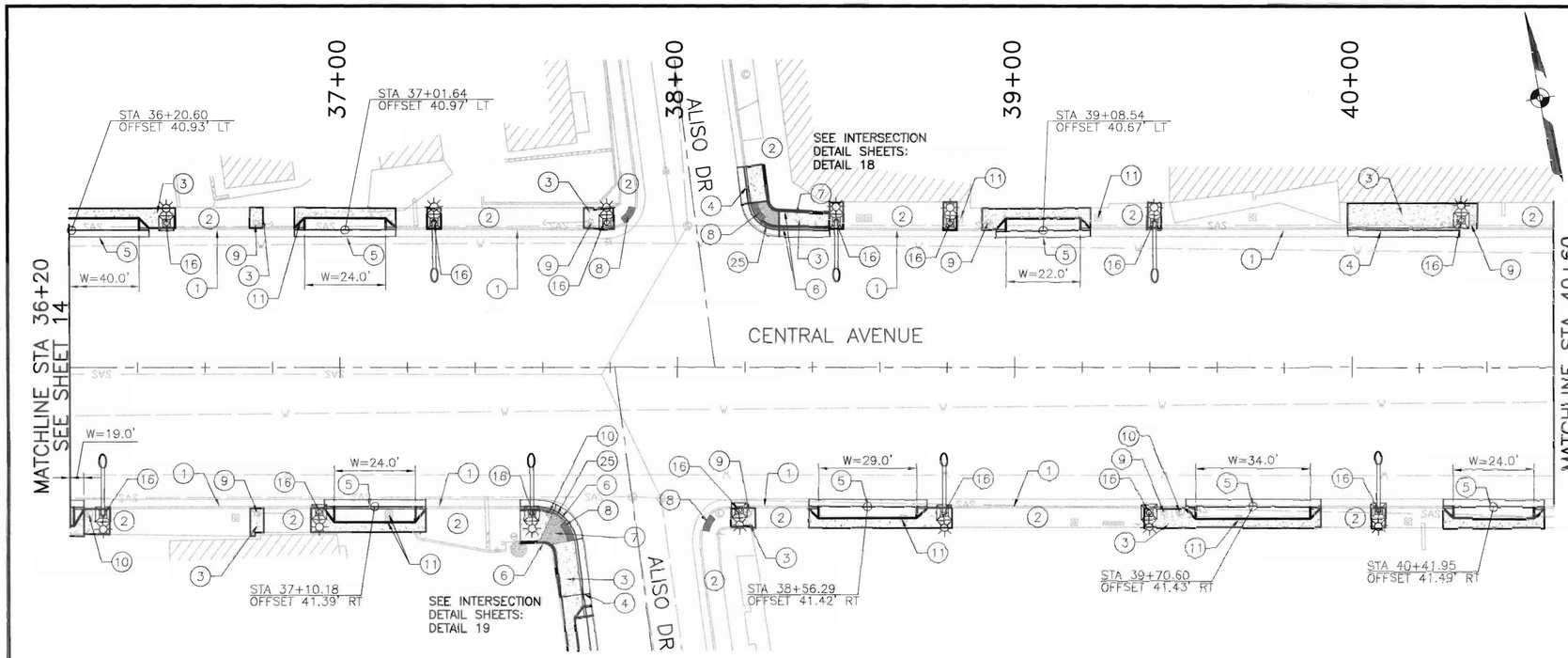

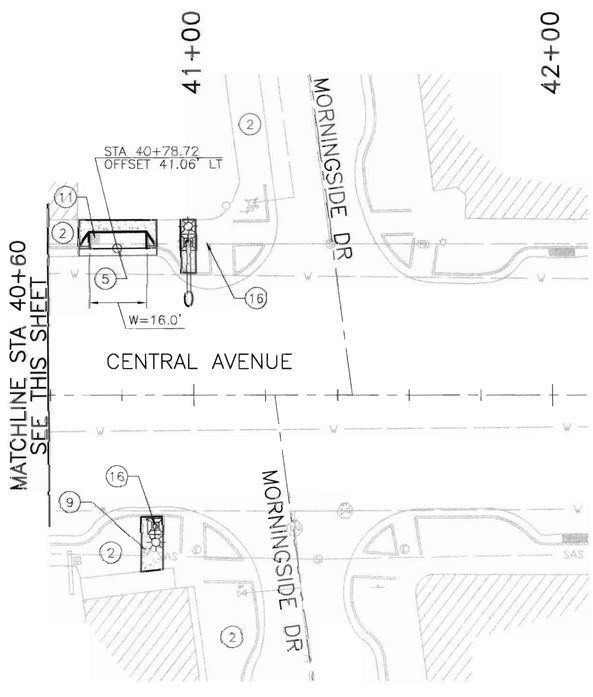

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

20 10 0 20 40
SCALE: 1" = 20 FT

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP - SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
9. ~~REMOVE~~ *SEE BELOW EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2389.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
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24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

AS BUILT INFORMATION

CONTRACTOR: BKISF ELECTRIC — DATE: 8/12
SIGNED BY: SMAA — DATE: 8/12
RESPECTFULLY ACCEPTANCE BY COA — DATE: 8/12
ACCEPTANCE BY COA — DATE: 8/12
DRAWINGS BY: HDR ENGINEERING — DATE: 8/12

MACRO-FILM INFORMATION
RECORDED BY:
VOL:
NO:

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "16-K19A, ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES (CENTRAL ZONE) NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664598
NORTHING = 1485,935.775
EASTING = 1,538790.908

SURVEY INFORMATION
FIELD NOTES BY
NO. DATE

ENGINEER'S SEAL
EDWARD L. HOFFER — NEW MEXICO — 17633 — PROFESSIONAL ENGINEER
FEB 7, 2011

NO.	DATE	REMARKS	BY
		REVISIONS	
		HDR ENGINEERING INC.	
		DESIGNED BY: AMG	DATE: 01/11
		DRAWN BY: SFG	DATE: 01/11
		CHECKED BY: ELP	DATE: 01/11

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HDR ENGINEERING INC.
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
ALSO TO MORNINGSIDE PLAN

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER

No.	Day/Yr.	No.	Day/Yr.
Last Design Update			

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 15 Of 51

RECORD DRAWING

Date: Feb 04, 2011 - 7:54am Initiates Layout: Sheet
Drawing Name: C:\Drawings\Vol_d01\6089\1\24428-15-02005.dwg

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP = SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNGATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. REMOVE EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
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22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2515, 2525 & 2528.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

AS BUILT INFORMATION

BENCH MARKS

THE STATION IS A 2" INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "B-16 PNM ACS", NOTE: "UNSP"

COORDINATES: REVISED AUGUST 1987:

NAD 83 NGRS COORDINATES CENTRAL ZONE

NAVD 1988 ELEV = 5294.25

GROUND TO GRID FACTOR: 0.999664598

NORTHING = 1485,895.175

EASTING = 1538,960.908

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

CONTRACTOR	DATE
BOBBY ELECTRIC	DATE: 8/12
WORK PERFORMED BY:	
SIMMA	DATE: 8/12
SURVEYING BY:	
CDM	DATE: 8/12
AERIAL TARGETS BY:	
CDM	DATE: 8/12
AERIAL PHOTOGRAMMETRY BY:	
CDM	DATE: 8/12
DRAWINGS PREPARED BY:	
HDR ENGINEERING, INC.	DATE: 8/12

MICRO-FILM INFORMATION

(DESCRIBED ITEM)

(NO.)

ENGINEER'S SEAL

EDWARD A. HARTHCOCK JR. NEW MEXICO 17933 PROFESSIONAL ENGINEER

Feb 7, 2011

NO.	REMARKS	BY	DATE
	REVISIONS		
	HDR ENGINEERING, INC.		
	DESIGNED BY: AMcB	DATE: 01/11	
	DRAWN BY: SFG	DATE: 01/11	
	CHECKED BY: EJLP	DATE: 01/11	

2155 LOUISIANA BLVD. NE
SUITE 1000
ALBUQUERQUE, NM 87110
PHONE: (505) 830-3400
FAX: (505) 830-3454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
DARTMOUTH & RICHMOND PLAN

Design Review Committee	City Engineer Approval	Last Design Update	
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	16	51

RECORD DRAWING

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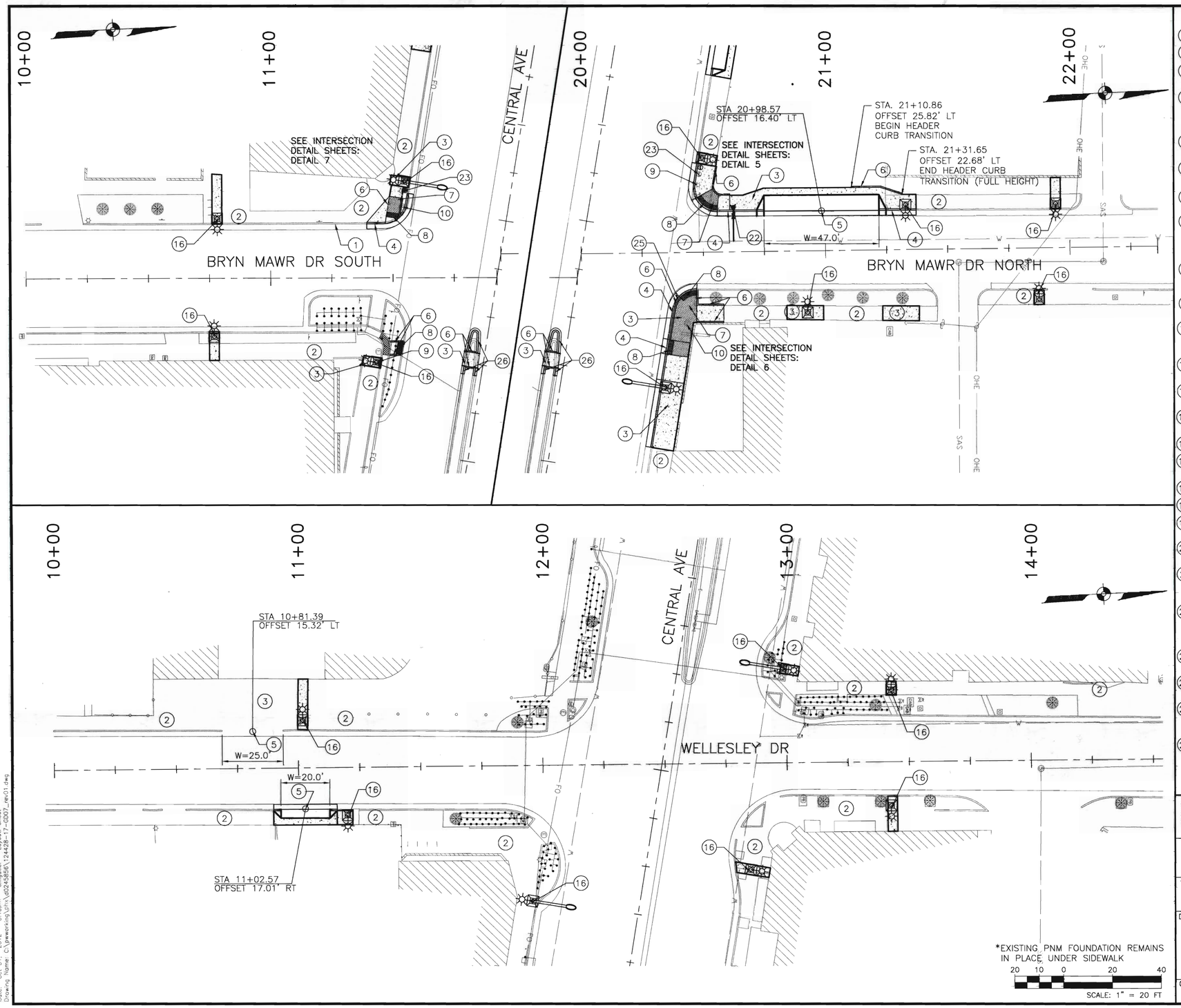

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
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16. INSTALL NEW LUMINAIRE. SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
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26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

AS BUILT INFORMATION

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1997. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329 GROUND TO GRID FACTOR: 0.999664589 NORTHING = 1483955.175 EASTING = 1538790.908

	CONTRACTOR	BIGBY ELECTRIC	DATE 6/12
	WORK STARTED BY	SMEA	DATE 8/12
	INSPECTOR'S ACCEPTANCE BY	COA	DATE 8/12
	VERIFICATION BY	COA	DATE 8/12
	CORRECTED BY	HDR ENGINEERING	DATE 8/12

MICRO-FILM INFORMATION

RECORDED BY

NO.

ENGINEER'S SEAL

EDWARD C. POTTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER

Nov 6, 2012

NO.	DATE	REMARKS
1	08/04/11	DRIVE PAD REDESIGN AT NW BRYN MAWR

REVISIONS

HDR ENGINEERING INC.

DESIGNED BY: AMG DATE: 01/11
DRAWN BY: SFG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

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

HDR ENGINEERING INC. ONE COMPANY *Many Solutions*

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

BRYN MAWR & WELLESLEY PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	17R	51

REDRAWN FOR RECORD PURPOSES

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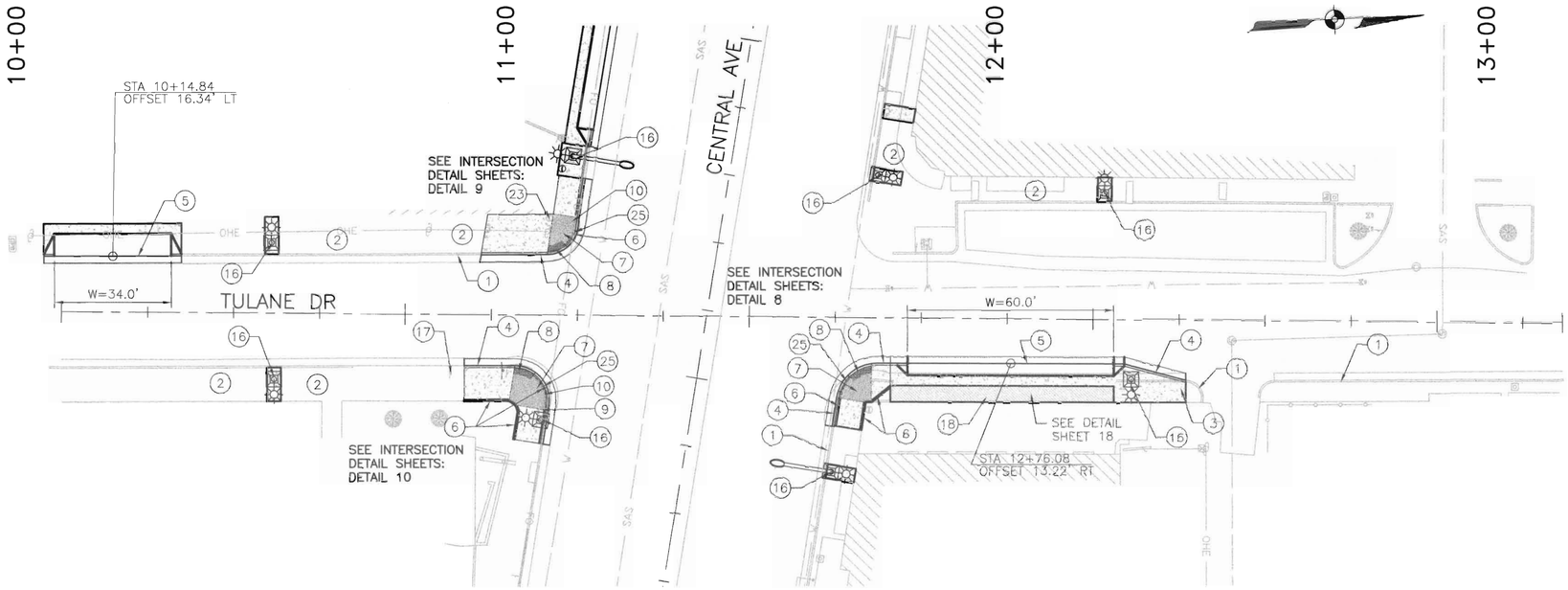

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
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9. *SEE BELOW ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
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24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
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*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

SCALE: 1" = 20 FT

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC: SET IN THE SIDEWALK, AND IS STAMPED "6-K19A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE

NAVD 1988 ELEV = 5247.329

GROUND TO GRID FACTOR: 0.99966 4589

NORTHING = 1 145 895.175

EASTING = 1 538 790.928

AS BUILT INFORMATION

CONTRACTOR:	BIKER ELECTRIC	DATE: 8/12
STAKED BY:	SMMA	DATE: 8/12
INSPECTION:		
FIELD REVIEWED BY:	COA	DATE: 8/12
AS-BUILTED BY:		
CERTIFICATION BY:	COA	DATE: 8/12
CONSTRUCTED BY:	HDR ENGINEERING	DATE: 8/12

MICRO-FILM INFORMATION

RECORDED BY:

XREF:

ENGINEER'S SEAL

EDWARD J. OTTHOFF, NEW MEXICO, 17633, PROFESSIONAL ENGINEER

Feb 7, 2011

NO.	DATE	REMARKS REVISIONS	BY

HDR ENGINEERING, INC.

DESIGNED BY: AMG DATE: 01/11

DRAWN BY: AMG DATE: 01/11

CHECKED BY: ELP DATE: 01/11

2155 LOUISIANA BLVD., NE
SUITE 3900
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5466
FAX: (505) 830-5467
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
TULANE PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 18 Of 51

RECORD DRAWING

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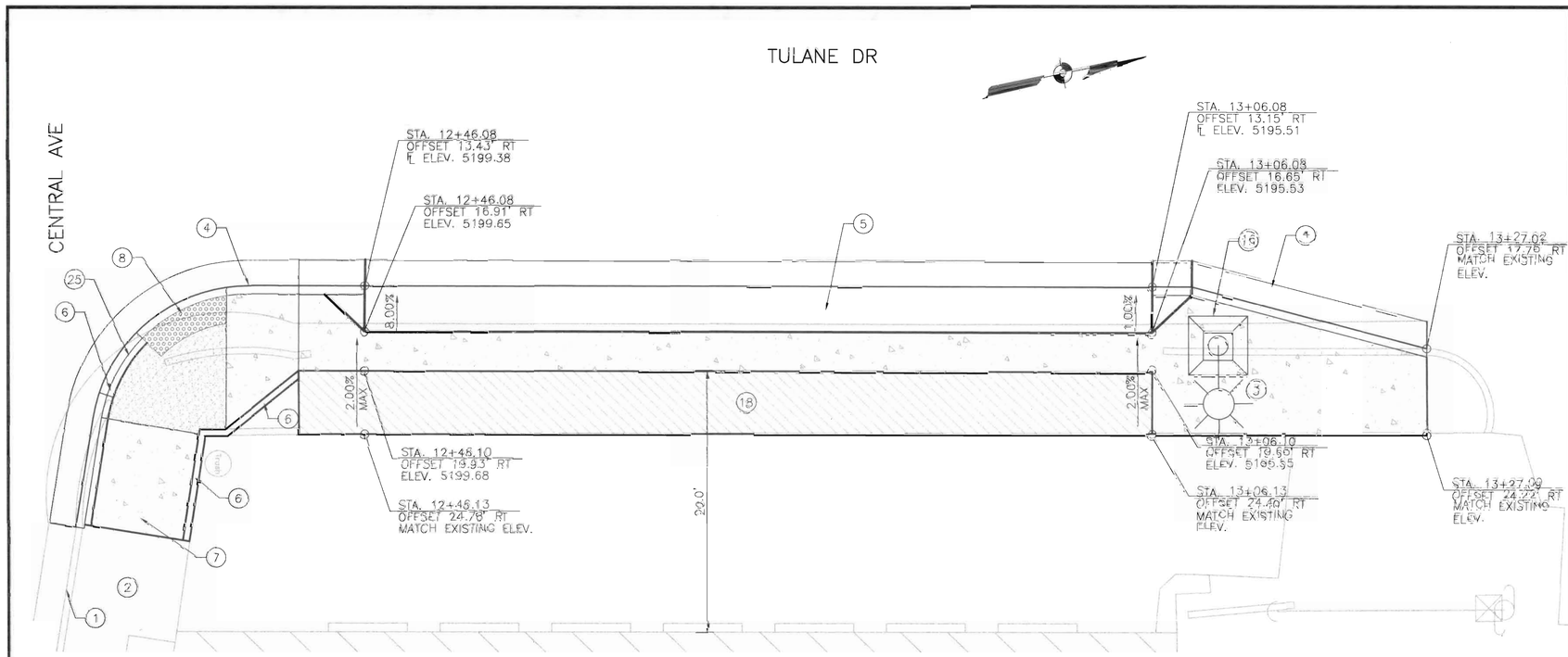

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

SCALE: 1" = 10 FT

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP = SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
9. ~~REMOVE~~ *SEE BELOW EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE. SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2329 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

SURVEY INFORMATION

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "E-K-08A 1973" NOTE: NGSP

CONTROL WAS ESTABLISHED AUGUST 1987.

NAD 83 (HARN) COORDINATES: CENTRAL ZONE

NAD 1983 ELEV. = 5247.739

GROUND TO GRID FACTOR: 0.999966745961

NORTHING = 1,493,935.975

EASTING = 1,536,799.908

RECORDED BY:

NO.

DATE

BY

FIELD NOTES

NO.	DATE	BY

AS BUILT INFORMATION

CONTRACTOR	RAMSEY ELECTRIC	DATE: 8/12
HDR, INC.	SIMON	DATE: 8/12
SURVEY CORP.		DATE: 8/12
MAINTENANCE AGENCY		
CITY PROJECT MANAGER		DATE: 8/12
CONSTRUCTION MGR.		
HDR ENGINEER-in-Charge		DATE: 8/12

MICRO-FILM INFORMATION

RECORDED BY:

NO.

DATE

BY

REMARKS

REVISIONS

HDR ENGINEERING INC.

DESIGNED BY: AMG DATE: 01/11

DRAWN BY: AMG DATE: 01/11

CHECKED BY: EHP DATE: 01/11

ENGINEER'S SEAL

EDMUND P. HOTTHOFER
NEW MEXICO
17626
PROFESSIONAL ENGINEER

FEB 7, 2011

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HDR ENGINEERING INC.

ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

TULANE PLAN

Design Review Committee	City Engineer Approval	Brief Design Update	mo/day/yr.	mo/day/yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	19	51

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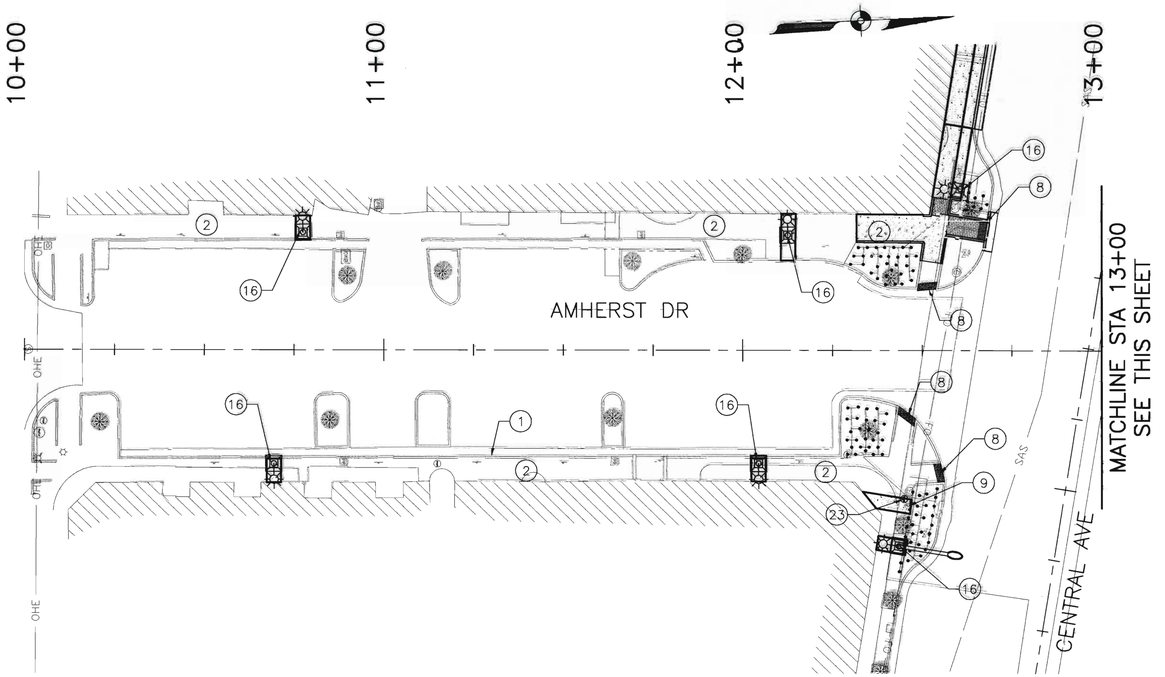

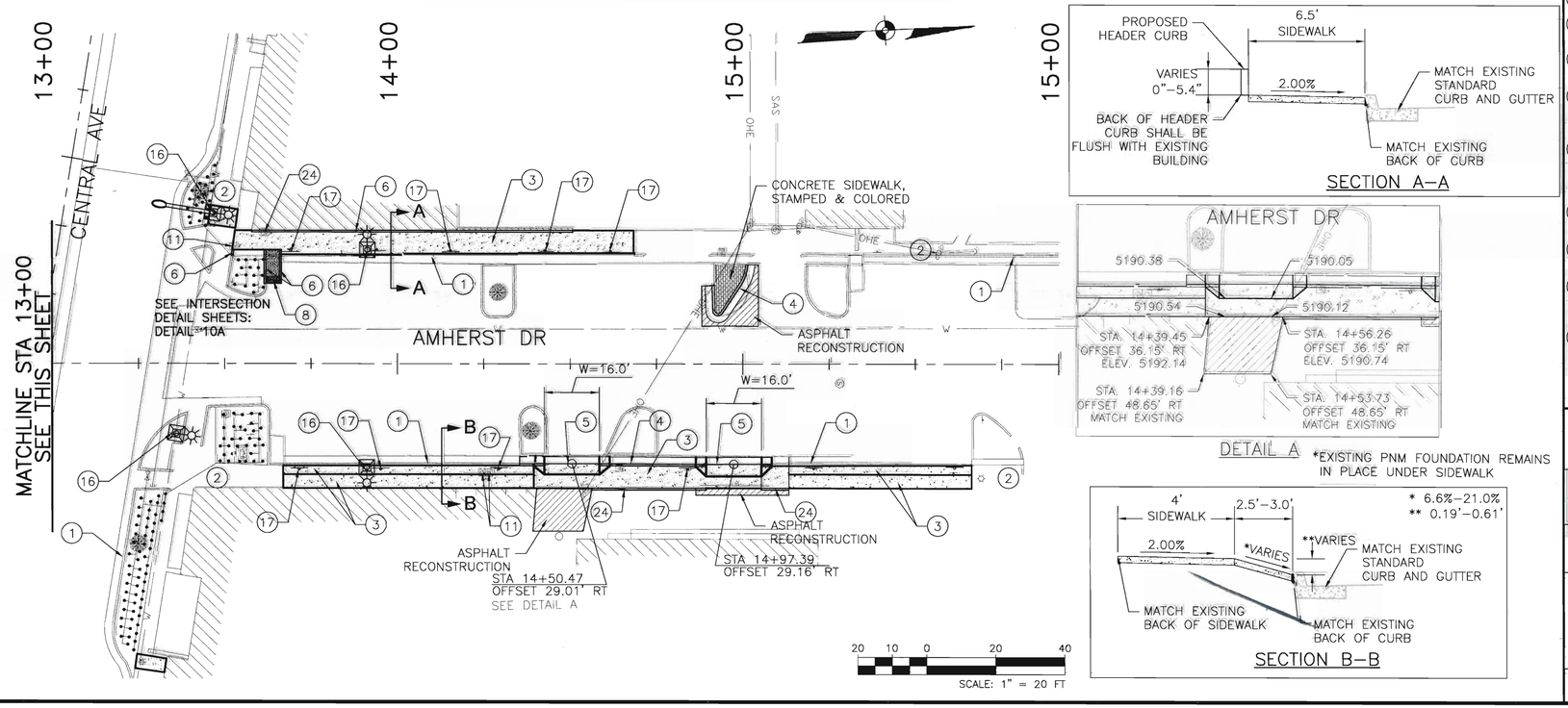

SECTION A–A

DETAIL A

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

SECTION B–B

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE. SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

AS BUILT INFORMATION

CONTRACTOR	BIGBY ELECTRIC DATE: 8/12
WORK STAKED BY:	SM&A DATE: 8/12
INSPECTOR'S PUNCHLIST BY:	COA DATE: 8/12
AS BUILT INFORMATION BY:	COA DATE: 8/12
CORRECTED BY:	HDR ENGINEERING DATE: 8/12

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K19A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329 GROUND TO GRID FACTOR: 0.999664599 NORTHING = 1483955.175 EASTING = 1538790.908

MICRO-FILM INFORMATION

REDONED BY: NO.

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

EDWARD L. POTTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER

Nov 6, 2012

NO.	DATE	REMARKS	BY
1	08/24/11	AMHERST DR DRIVEWAY RECONSTRUCTION	

REVISIONS

DESIGNED BY: AMG DATE: 01/11
DRAWN BY: SFG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

HDR ENGINEERING INC.
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Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

AMHERST PLAN

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7795.04	K–16, K–17	20R	51

REDRAWN FOR RECORD PURPOSES

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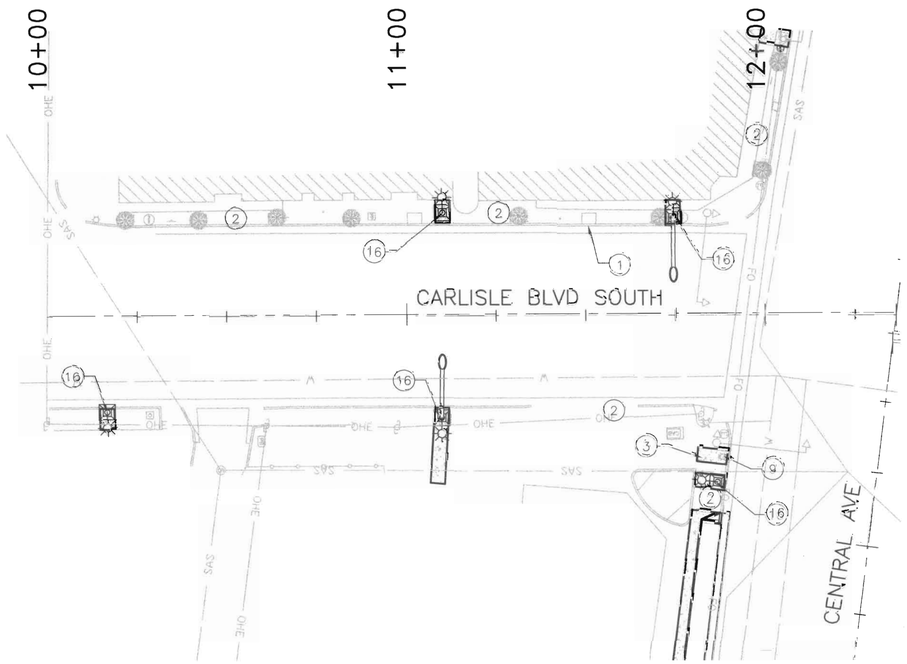

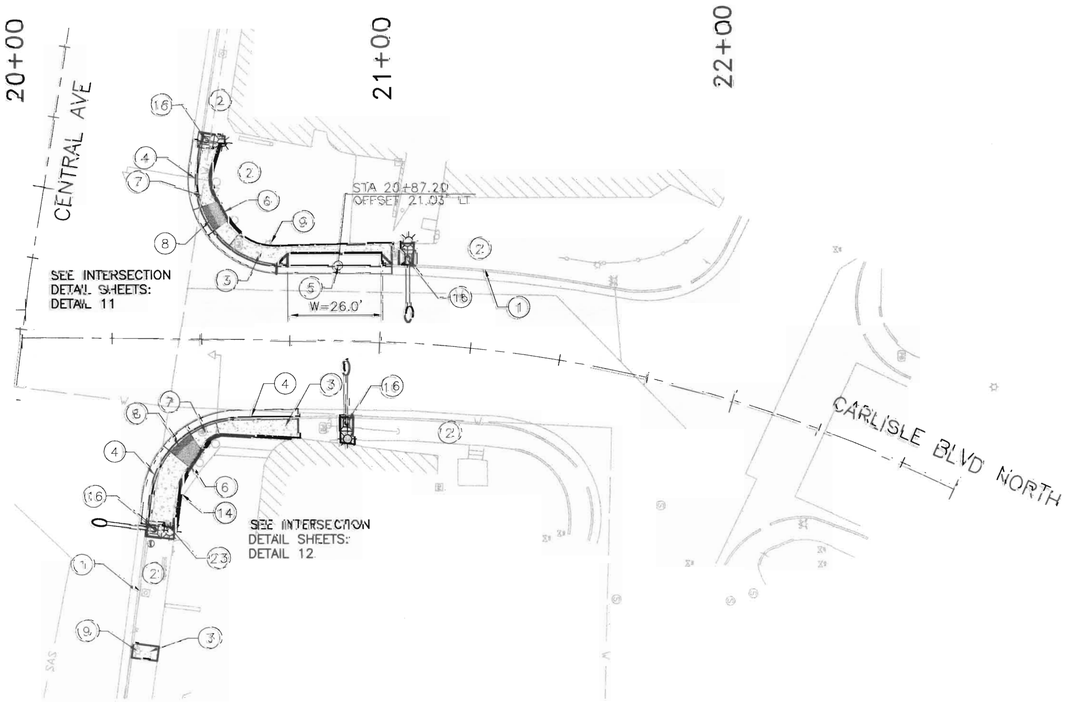

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

SCALE: 1" = 20' FT

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9. *SEE BELOW
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2359.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
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22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

AS BUILT INFORMATION
CONTRACTOR: EMERY ELECTRIC DATE: 8/12
INFORM. BY: SMABA DATE: 8/12
INSPECTED BY: CCOA DATE: 8/12
ACCEPTED BY: CCOA DATE: 8/12
ENGINEER: HDR ENGINEERING DATE: 8/12
COMPLETED BY:

MICRO-FILM INFORMATION

RECORDED BY:
NO.

BENCH MARKS
THE STATION IS A 2 INCH BRASS TAG SET IN THE SIDEWALK, AND IS STAMPED "16-C13A ACCS" NOTE NMGF.
COORDINATES: NGVD'83 NMSP CENTRAL ZONE 13067.
NAD 83 NMSP COORDINATES
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.99956846416
NORTHING = 1483495.775
EASTING = 1538790.698

SURVEY INFORMATION
FIELD NOTES BY:
NO. DATE:

ENGINEER'S SEAL
JOSHUA R. HOFFER
NEW MEXICO
17633
PROFESSIONAL ENGINEER
Feb 7, 2011

REVISIONS
NO. DATE: BY:
REMARKS
DESIGNED BY: AMG DATE: 05/11
DRAWN BY: SFC DATE: 05/11
CHECKED BY: EJP DATE: 05/11

HDR ENGINEERING, INC.
2365 VICTORIANA BLVD. NE
SUITE 2-500
ALBUQUERQUE, NM 87110
MAIN (505) 828-2200
FAX (505) 830-3434
HDR | ONE COMPANY Many Solutions
ENGINEERING

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
CARLISLE PLAN

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update:

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 21 Of 61

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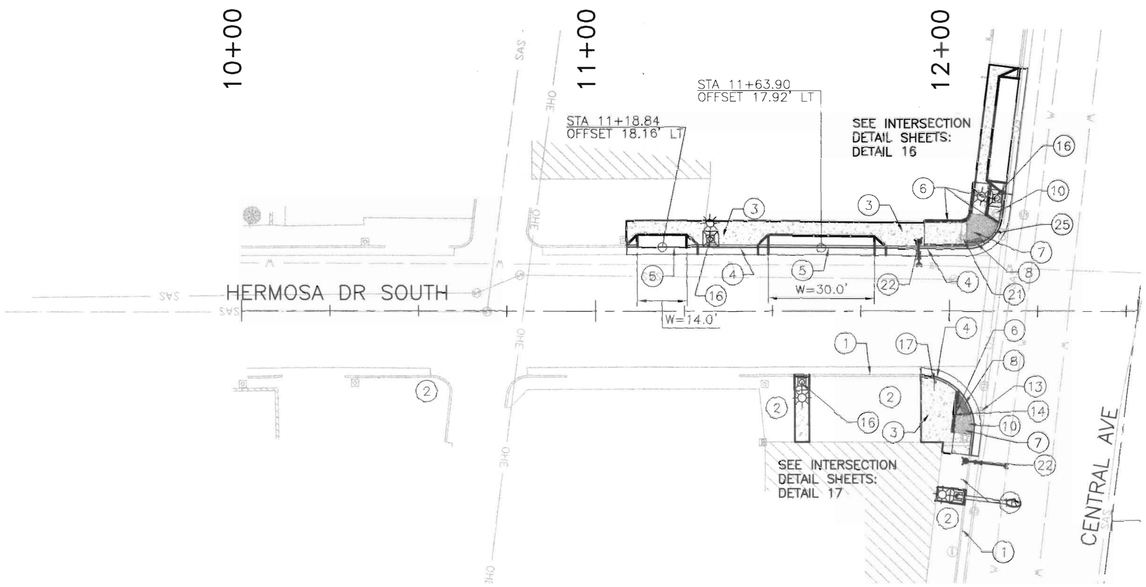

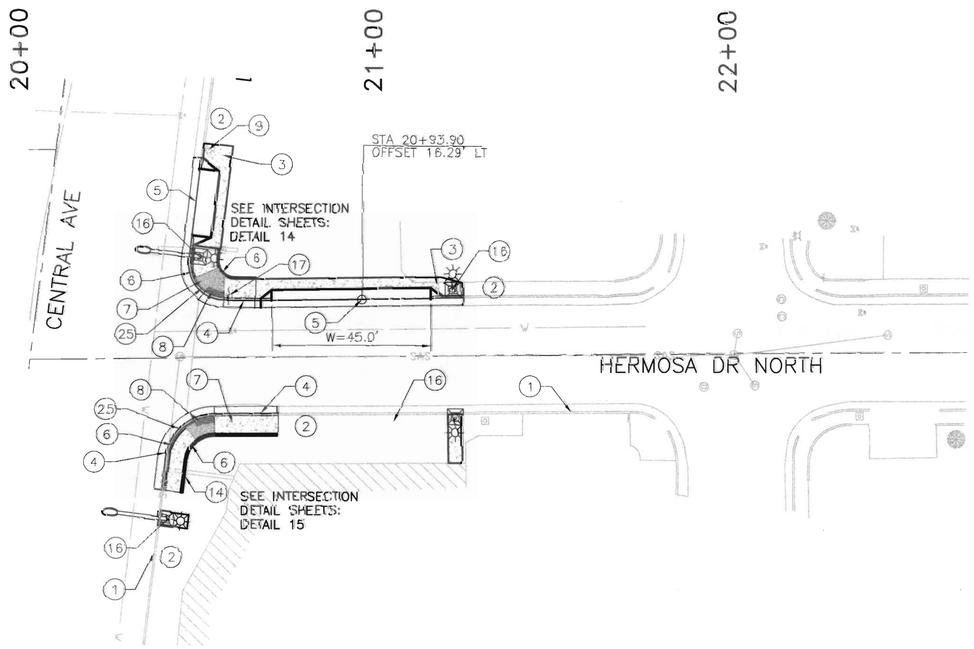

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

20 10 0 20 40

SCALE: 1" = 20 FT

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE. SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
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21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
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25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

AS BUILT INFORMATION
CONTRACTOR: BIGBY ELECTRIC DATE: 8/12
SURVEYED BY: SMMA DATE: 8/12
INSPECTIONS PERFORMED BY: COA DATE: 8/12
FIELD VERIFICATION BY: COA DATE: 8/12
DRAWING CORRECTED BY: HDR ENGINEERING DATE: 8/12

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "8-K18M AGS". NOTE: NAGP COORDINATES REVISED AUGUST 1967.
NAD 83 (NAGP) COORDINATES, CENTRAL ZONE.
NAVD 1988 (GEV) = 5247.339
GROUND TO GRID FACTOR: 0.9996645899
NORTHING = 1 463 855.175
EASTING = 1 538 760.964

SURVEY INFORMATION
FIELD NOTES BY:
NO. DATE

REMARKS
REVISIONS
NO. DATE
1. 07/11
2. 01/11
3. 01/11

HDR ENGINEERING INC.
DESIGNED BY: AMG DATE: 07/11
DRAWN BY: SPG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

ENGINEER'S SEAL
EDWARD L. ELPHOFF NEW MEXICO 17635 PROFESSIONAL ENGINEER
Feb 7, 2011

2155 LOUISIANA BLVD. NE
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FAX: (505) 830-3454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
HERMOSA PLAN

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Last Design Update: Mo./Day/Yr.

City Project No. 7795.04
Zone Map No. K-16, K-17
Sheet 22 Of 51

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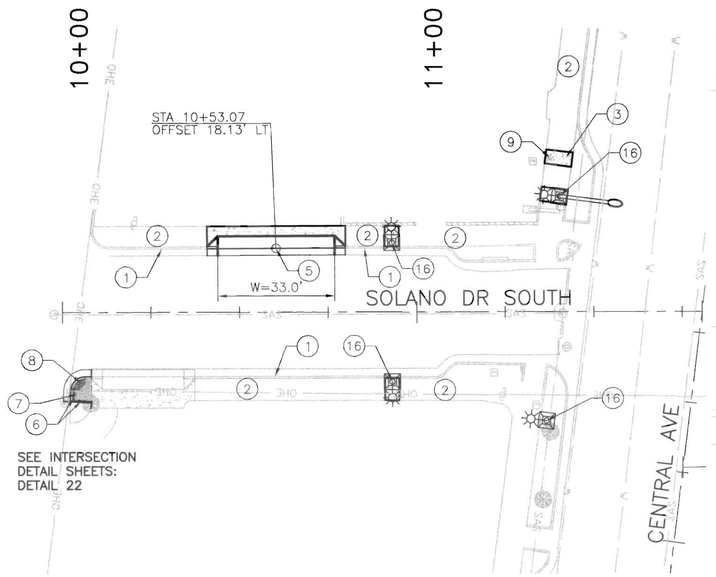
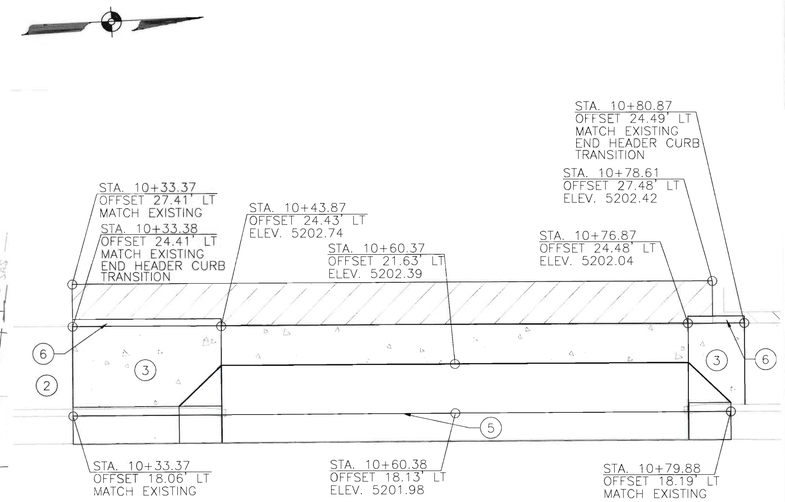
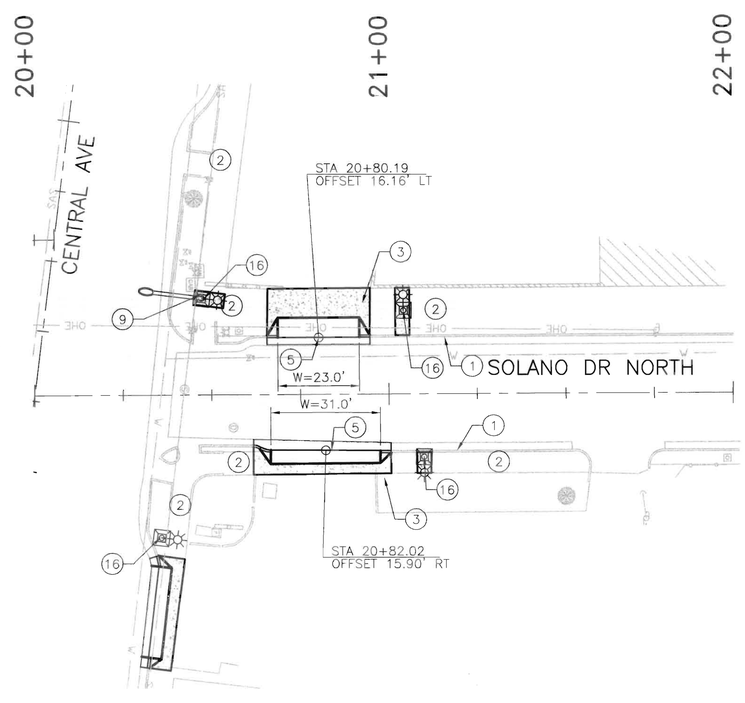




DETAIL A
SCALE: 1"=5'



*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

20 10 0 20 40
SCALE: 1" = 20 FT

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9. *SEE BELOW
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
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16. INSTALL NEW LUMINAIRE. SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
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18. REMOVE AND REPLACE EXISTING ASPHALT.
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22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

AS BUILT INFORMATION
CONTRACTOR: BIXBY ELECTRIC DATE 8/12
WORK STAKED BY: SMAA DATE 8/12
ACCEPTANCE BY: COA DATE 8/12
VERIFICATION BY: COA DATE 8/12
DRAWINGS CORRECTED BY: HDR ENGINEERING DATE 8/12

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K16A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV. = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483955.175
EASTING = 1538790.908

SURVEY INFORMATION
FIELD NOTES BY DATE
RECORDED BY
NO.

ENGINEER'S SEAL
EDWARD L. KOTHOFER
NEW MEXICO
17633
PROFESSIONAL ENGINEER
Feb 7, 2011

NO.	DATE	REMARKS	BY
1	8/18/11	DRIVE PAD REDESIGN AT SW SOLANO DR	

REVISIONS
HDR ENGINEERING INC.
DESIGNED BY: AMG DATE: 01/11
DRAWN BY: SFG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
SOLANO PLAN

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 7795.04
Zone Map No. K-16, K-17
Sheet 23 Of 51

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

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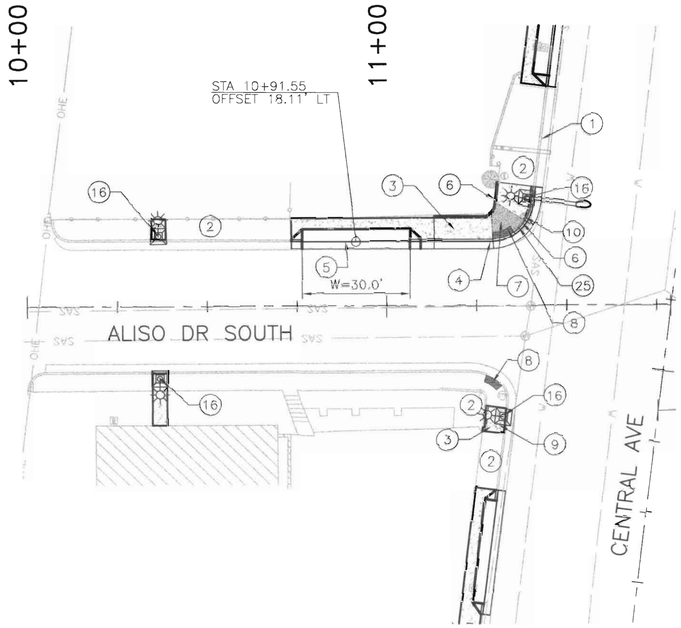

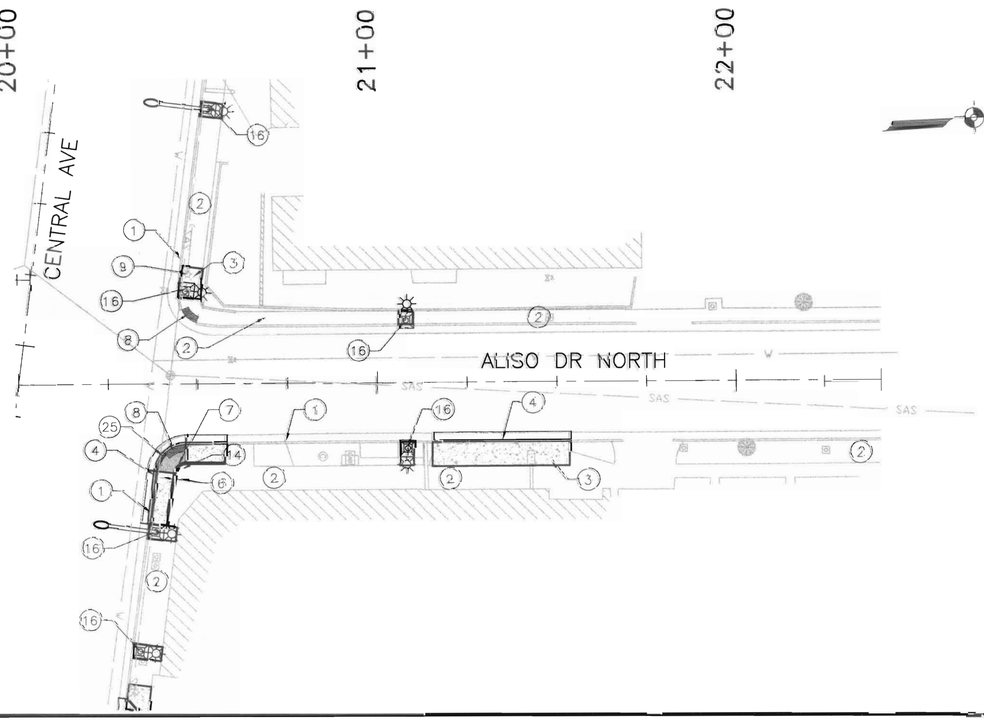

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9. *SEE BELOW
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE, SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

SCALE: 1" = 20' ft

AS BUILT INFORMATION

CONTRACTOR: IBIKEY ELECTRIC — DATE: 8/7/12
INSPECTOR: — DATE: 8/7/12
SURVEYOR: SMAFA — DATE: 8/7/12
CONSTRUCTION STAKING BY: COA — DATE: 8/7/12
CONSTRUCTION MANAGEMENT BY: HDR ENGINEERING — DATE: 8/7/12

MICRO-FILM INFORMATION

RECORDED BY:
NO.

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "F-16 1954 AGS". NOTE: NMSP COORDINATES REVISED AUGUST 1982.

NAD 83 NMSP COORDINATES, CENTRAL ZONE
NAVD 1988 ELEV = 5647.329
GROUND TO GRID FACTOR: 0.9996845496
NORTHING = 1464952.175
EASTING = 1538758.598

SURVEY INFORMATION

FIELD NOTES BY: DATE:

NO.

ENGINEER'S SEAL

EDWARD ARTHUR HOFFMAN, NEW MEXICO, 17823, PROFESSIONAL ENGINEER
FEB 3, 2011

NO.	DATE	REMARKS	BY
		REVISIONS	
		HDR ENGINEERING, INC.	
		DESIGNED BY:	AWG
		DRAWN BY:	AWG
		CHECKED BY:	ELP
		DATE: 6/1/11	
		DATE: 31/1/11	
		DATE: 01/1/11	

2440 LOUISIANA BLVD. NE
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HDR ENGINEERING, INC.
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

ALISO PLAN

Design Review Committee	City Engineer Approval	Last Design Update
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER	Mo. / Day / Yr.

City Project No. 7795.04 | Zone Map No.: K-16, K-17 | Sheet 24 Of 51

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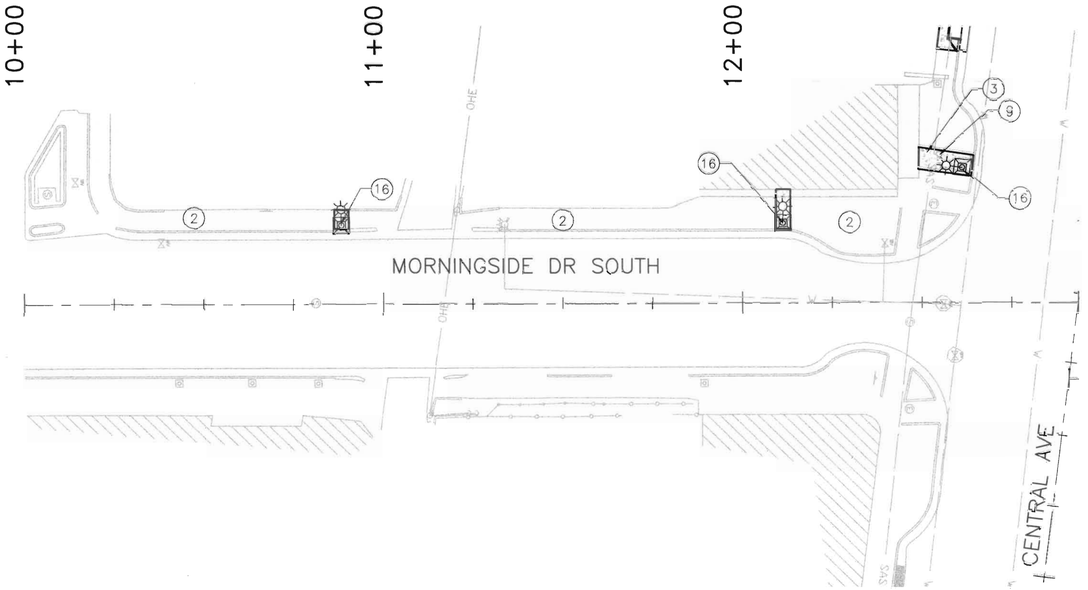

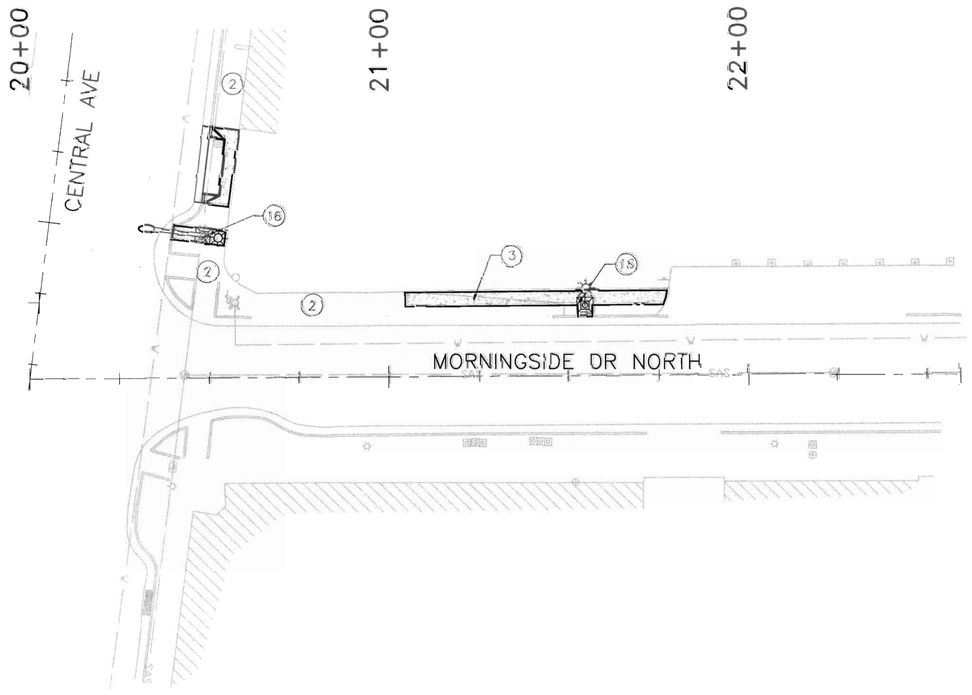

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2416B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9. *SEE BELOW
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
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21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
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23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

20 10 0 20 40
SCALE: 1" = 20 Ft

AS BUILT INFORMATION
CONTRACTOR: BRADY ELECTRIC DATE: 8/1/12
INSPECTED BY: SAMAA DATE: 8/1/12
AS-BUILT NOTE BY COA: DATE: 8/1/12
ENGINEERING BY COA: DATE: 8/1/12
REMARKS: HDR ENGINEERING DATE: 8/1/12
RECORDED BY: MICRO-FILM INFORMATION

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "5"-K16A ACS" NOTE: NMCP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.99965498
NORTHING = 1453955.775
EASTING = 1538796.908

SURVEY INFORMATION
FIELD NOTES BY
DATE
NO.

ENGINEER'S SEAL
EDWARD L. POTTHOFF NEW MEXICO 17693 PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		HDR ENGINEERING, INC.	
		DESIGNED BY: AMG	DATE: 01/11
		DRAWN BY: SRG	DATE: 01/11
		CHECKED BY: ELP	DATE: 01/11

2155 LOUISIANA BLVD. NE
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HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
MORNINGSIDE PLAN

Design Review Committee	City Engineer Approval	Last Design Update:	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 25 Of 51

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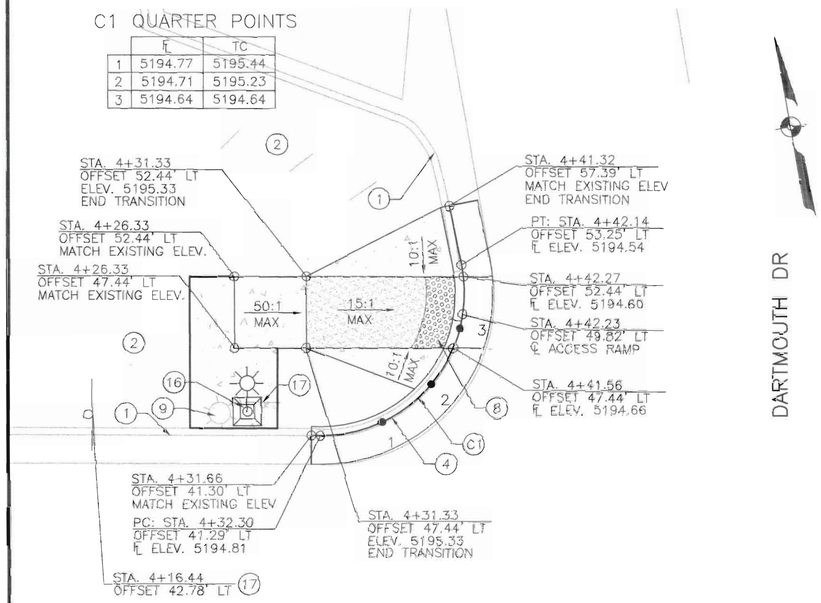
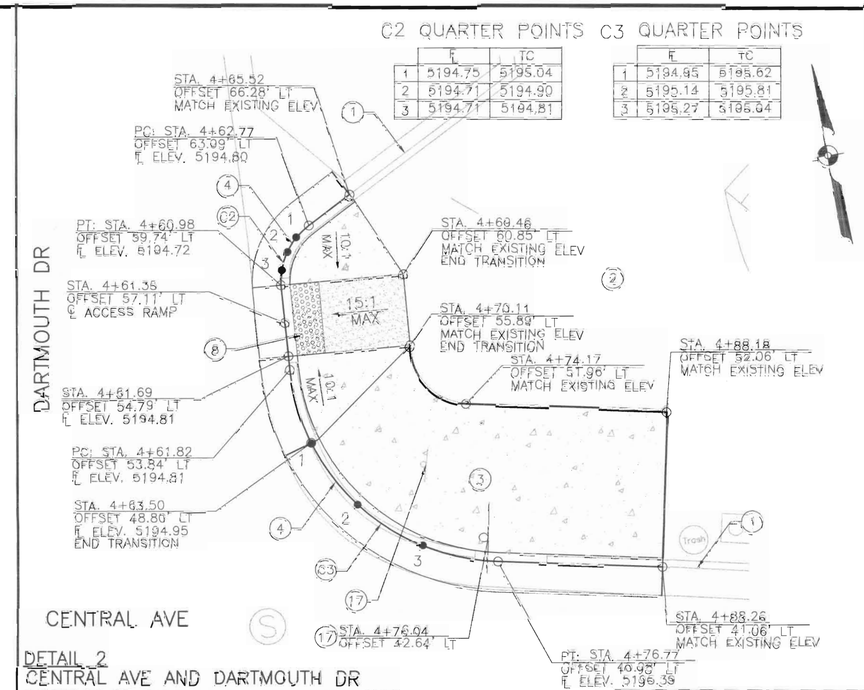


DETAIL 1
CENTRAL AVE AND DARTMOUTH DR
NORTHWEST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

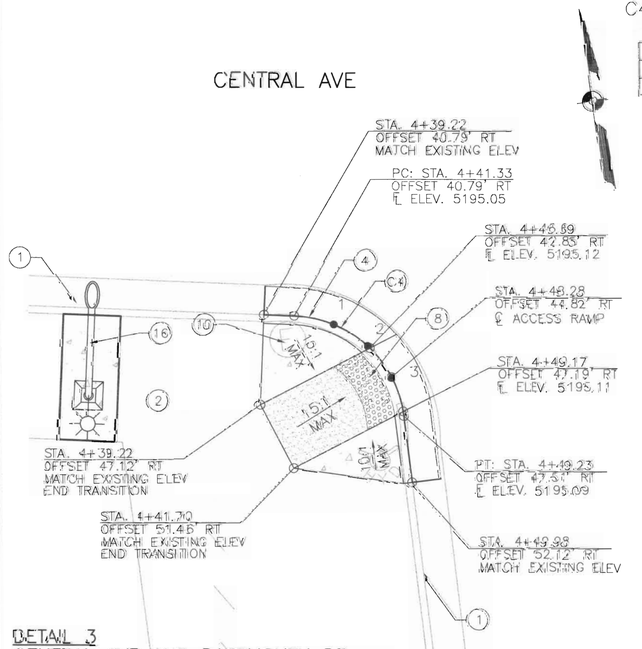


DETAIL 2
CENTRAL AVE AND DARTMOUTH DR
NORTHEAST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

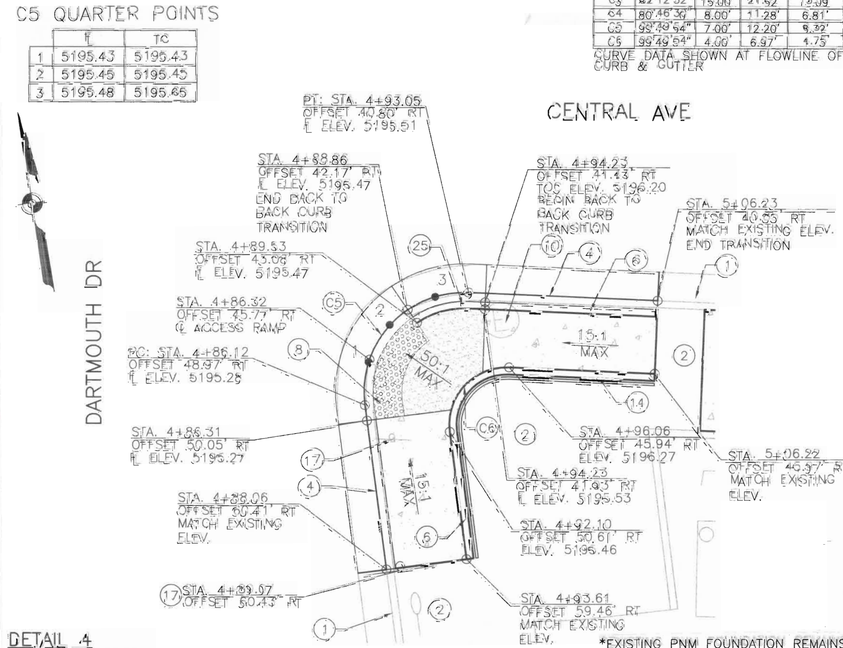
CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	101°28'45"	10.00'	17.71'	12.24'
C2	54°56'31"	5.00'	2.80'	4.79'
C3	82°12'32"	15.00'	21.62'	13.09'
C4	80°46'30"	8.00'	11.28'	6.81'
C5	98°39'54"	7.00'	12.20'	8.32'
C6	99°49'54"	4.00'	6.97'	4.75'

CURVE DATA SHOWN AT FLOWLINE OF CURB & GUTTER



DETAIL 3
CENTRAL AVE AND DARTMOUTH DR
SOUTHWEST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'



DETAIL 4
CENTRAL AVE AND DARTMOUTH DR
SOUTHEAST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

SCALE: 1" = 5 FT

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2416B
7. CONSTRUCT ADA RAMP = SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 8' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
9. ~~REMOVE~~ *SEE BELOW EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE. SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2316, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

SURVEY INFORMATION
FIELD NOTES BY DATE
NO.

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-16 PNM ACS" NGVD 1929
CONTROL NOTES: REVIEWED AGAINST 1987 NAD 83/2 NMSP COORDINATES, CENTRAL ZONE
NAVD 1988 ELEV = 5247.309
GROUND TO GRID FACTOR= 0.99966549416
NORTHING = 1483935.1775
EASTING = 1754790.2985

AS BUILT INFORMATION
CONTRACTOR: BIXBY ELECTRIC DATE: 5/1/12
WORK INSPECTED BY: SMMA DATE: 5/1/12
FINAL ACCEPTANCE BY: CCDK DATE: 5/1/12
VERIFICATION BY: COA DATE: 6/1/12
COMPARED BY: HDR ENGINEERING DATE: 6/1/12
MICRO-FILM INFORMATION
RECORDED BY:
NO.

ENGINEER'S SEAL
EDWARD L. HOLTHOUSE JR.
NEW MEXICO
17633
PROFESSIONAL ENGINEER
FEB 7, 2011

REMARKS
REVISIONS
NO. DATE BY

HDR ENGINEERING, INC.
8220 SAN PEDRO NE, BLVD. NE
SUITE 800
ALBUQUERQUE, NM 87110
PHONE: (505) 828-2200
FAX: (505) 830-5424
ONE COMPANY Many Solutions
DESIGNED BY: AMG DATE: 01/11
DRAWN BY: MMG DATE: 01/11
CHECKED BY: CDP DATE: 01/11

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
INTERSECTION DETAILS

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: mo./day/yr.
mo./day/yr.

City Project No. 7795.04
Zone Map No. K-16, K-17
Sheet 26 Of 51

RECORD DRAWING

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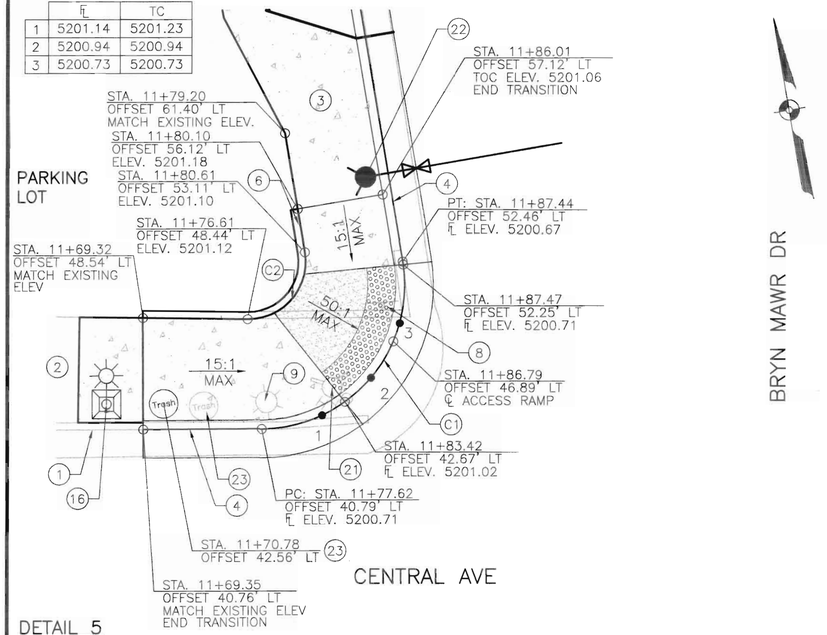

DETAIL 5
CENTRAL AVE AND BRYN MAWR DR
NORTHWEST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

C3 QUARTER POINTS

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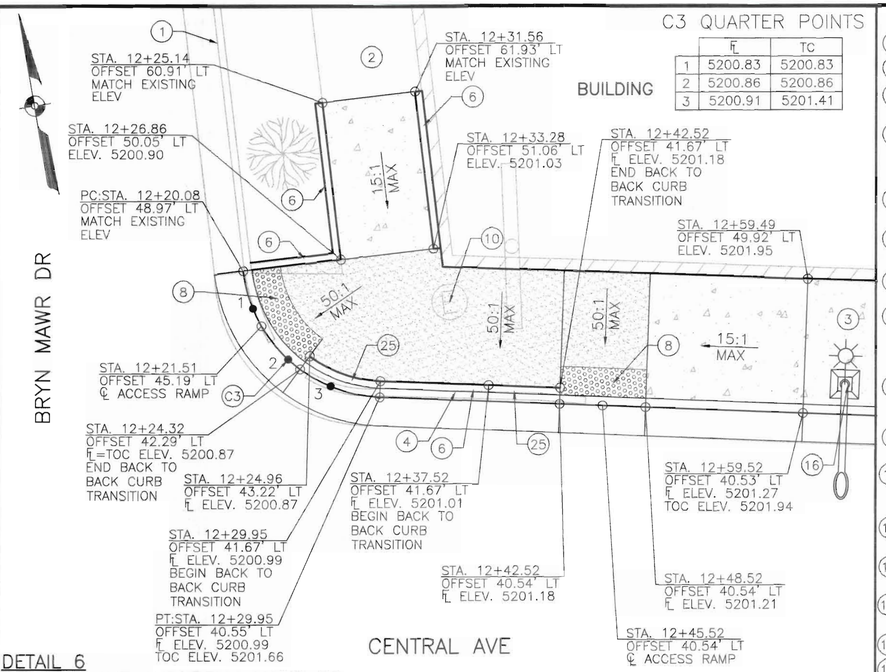

DETAIL 6
CENTRAL AVE AND BRYN MAWR DR
NORTHEAST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	99°22'36"	10.00'	17.34'	11.79'
C2	100°23'06"	4.00'	7.01'	4.80'
C3	80°54'36"	10.00'	14.12'	8.53'
C4	80°38'56"	10.00'	14.08'	8.49'
C5	166°47'43"	1.50'	4.37'	12.96'
C6	02°36'54"	49.17'	2.24'	1.12'
C7	02°36'54"	49.17'	2.24'	1.12'

CURVE DATA SHOWN AT FLOWLINE OF CURB & GUTTER

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
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13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
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17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
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22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
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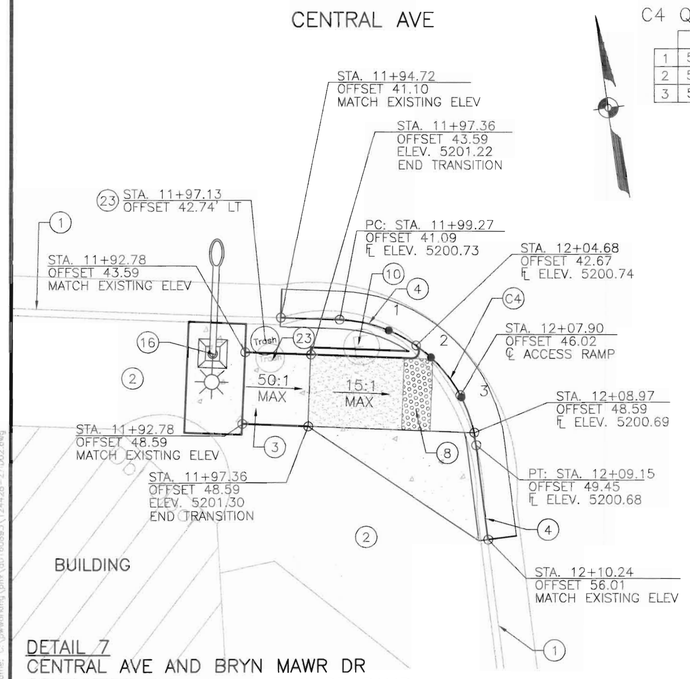
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

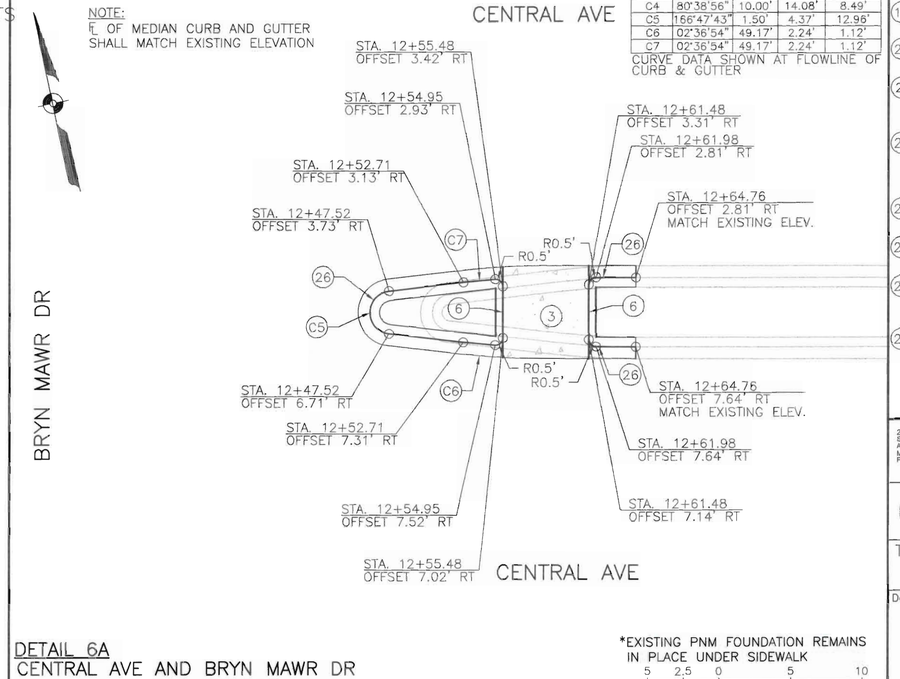
C4 QUARTER POINTS

	℄	TC
1	5200.74	5201.41
2	5200.74	5200.74
3	5200.70	5200.70



DETAIL 7
CENTRAL AVE AND BRYN MAWR DR
SOUTHWEST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

NOTE:
℄ OF MEDIAN CURB AND GUTTER SHALL MATCH EXISTING ELEVATION



DETAIL 6A
CENTRAL AVE AND BRYN MAWR DR
MEDIAN CURB AND GUTTER
HORIZ. 1" = 5'

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

5 2.5 0 5 10
SCALE: 1" = 5 FT

AS BUILT INFORMATION

CONTRACTOR: BKBY ELECTRIC — DATE 8/12
WORK STAKED BY: SMAA — DATE 8/12
ACCEPTANCE BY: COA — DATE 8/12
FIELD LOCATION BY: COA — DATE 8/12
DRAWINGS CORRECTED BY: HDR ENGINEERING — DATE 8/12

MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS" NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483955.175
EASTING = 1538790.908

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL
EDWARD L. REIFSTHECK JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER
FEB 7, 2011

REMARKS
REVISIONS

NO.	DATE	BY

HDR ENGINEERING INC.
DESIGNED BY: AMG — DATE: 01/11
DRAWN BY: AMG — DATE: 01/11
CHECKED BY: ELP — DATE: 01/11

2155 LOUISIANA BLVD., NE.
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
INTERSECTION DETAILS

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 27 Of 51

RECORD DRAWING

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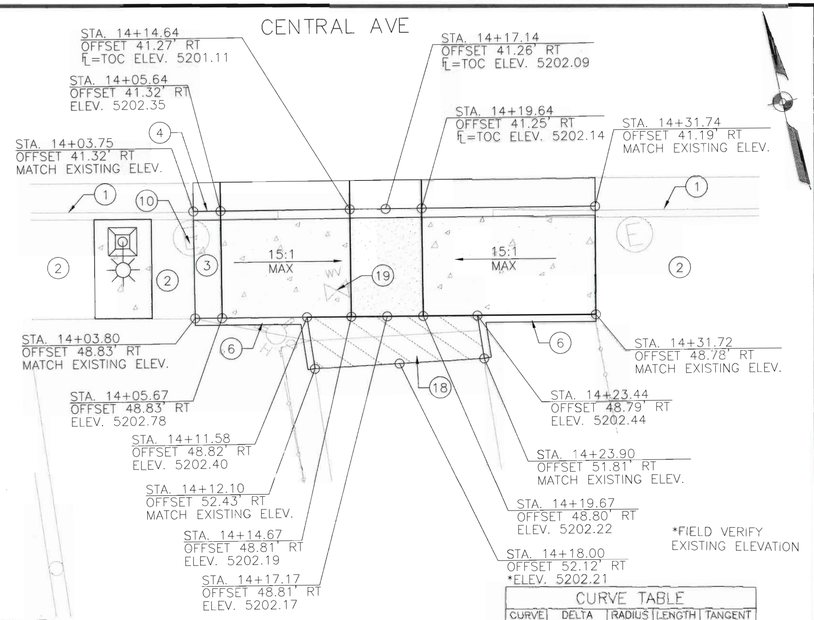
Drawing: C:\Documents\jcrowell\Desktop\CACP\Detail 5 2007.dwg



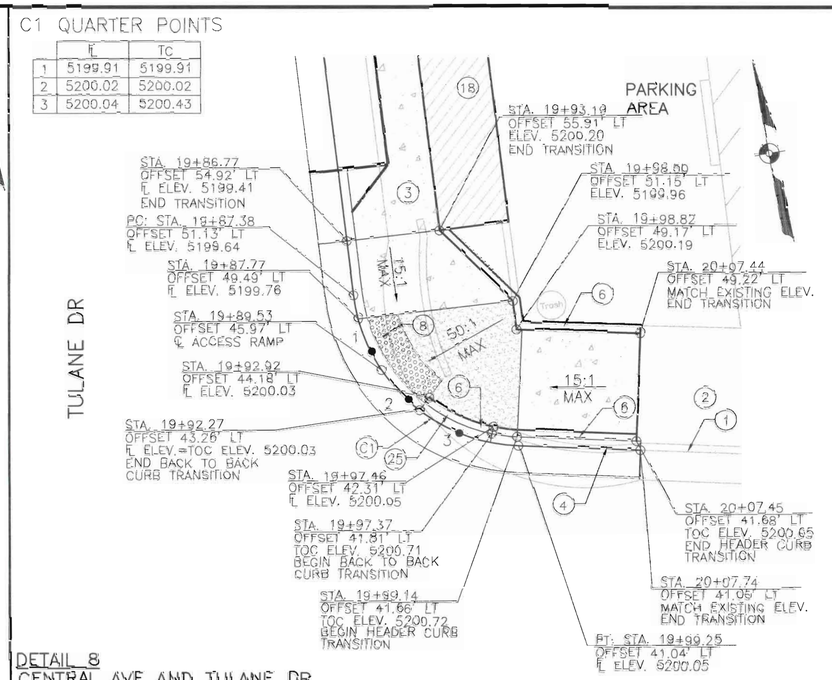
DETAIL 7A
CENTRAL AVE BETWEEN BRYN MAWR DR/WELLESLEY DR DRIVEPAD
HORIZ. 1" = 5'

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	80°55'55"	12.00'	16.95'	10.24'
C2	81°10'18"	9.00'	12.75'	7.71'
C3	99°14'11"	10.00'	17.32'	11.76'
C4	99°14'11"	3.80'	6.58'	4.47'

CURVE DATA SHOWN AT FLOWLINE OF CURB & GUTTER

C1 QUARTER POINTS

	℄	TC
1	5199.91	5199.91
2	5200.02	5200.02
3	5200.04	5200.43

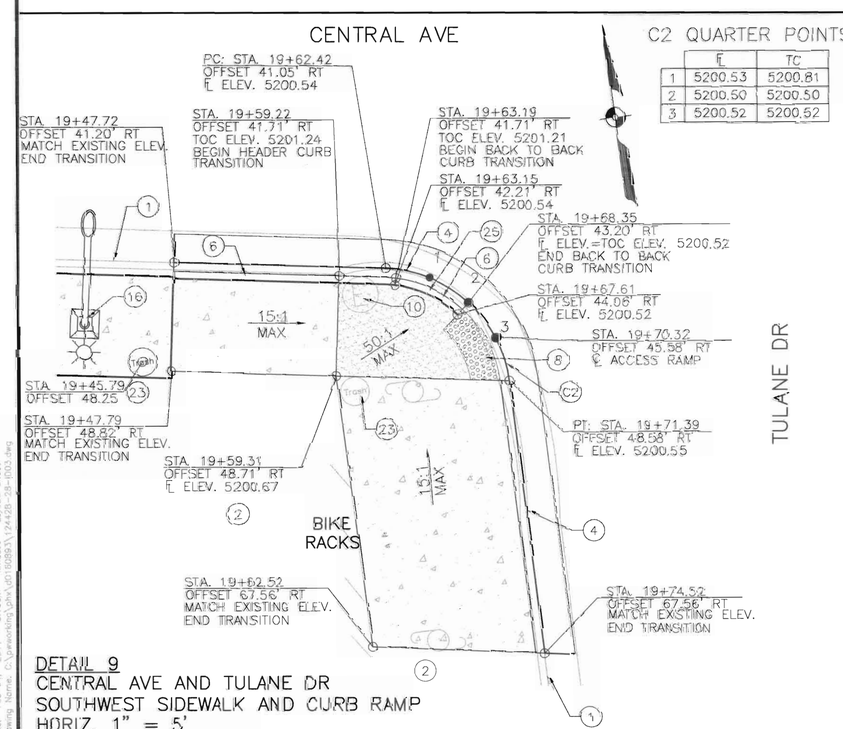


DETAIL 8
CENTRAL AVE AND TULANE DR
NORTHEAST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

CENTRAL AVE

KEYED NOTES:

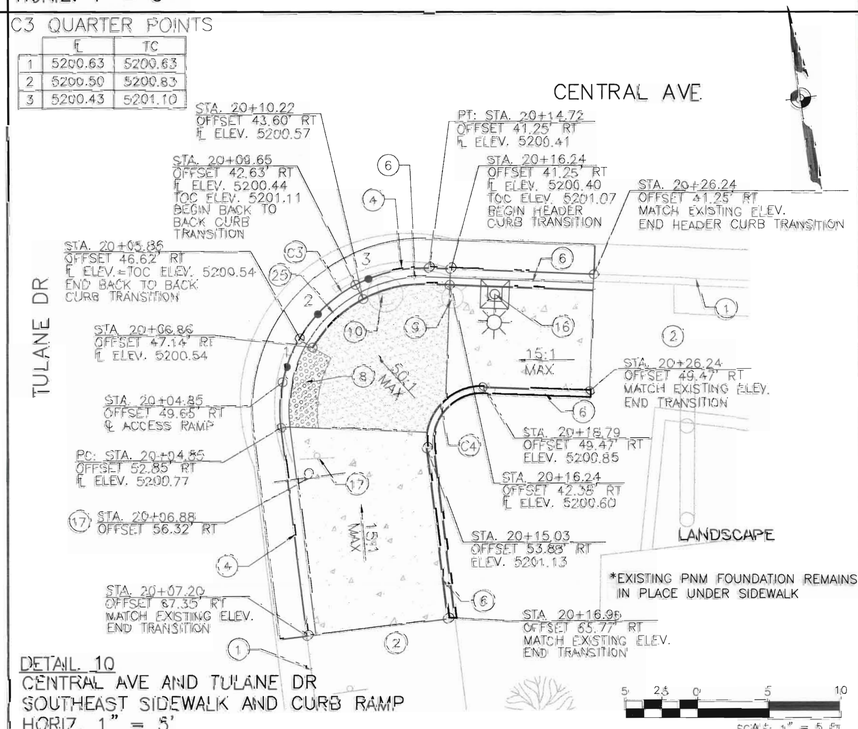
1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE, SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2418B.



C2 QUARTER POINTS

	℄	TC
1	5200.53	5200.81
2	5200.50	5200.50
3	5200.52	5200.52

DETAIL 9
CENTRAL AVE AND TULANE DR
SOUTHWEST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'



C3 QUARTER POINTS

	℄	TC
1	5200.63	5200.63
2	5200.50	5200.83
3	5200.43	5201.10

DETAIL 10
CENTRAL AVE AND TULANE DR
SOUTHEAST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

SCALE: 1" = 5 FT

AS BUILT INFORMATION

BENCH MARKS:
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "16-K13 1994 ACS". NOTE: NAVD 88 DERIVATIONS REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAD 83 NMSP COORDINATES EASTERN ZONE
GROUND TO GRID FACTOR: 0.999564584
NORTHING = 1485955.765
EASTING = 1530790.988

CONTRACTOR: SUNBELT ELECTRIC — DATE: 8/12
SURVEY INFORMATION FIELD NOTES BY: — DATE: — NO.
FIELD BY: SMMA — DATE: 8/12
INSPECTED BY: — DATE: 8/12
ACCEPTANCE BY: COA — DATE: 8/12
CERTIFICATION BY: COA — DATE: 8/12
CORRECTED BY: HDR ENGINEERING — DATE: 8/12
MICRO-FILM INFORMATION
RECORDED BY: — DATE:
INDEXED BY: — DATE:

ENGINEER'S SEAL
EDMUND G. OTTHOFF NEW MEXICO 17633 PROFESSIONAL ENGINEER
Feb 7, 2011

REVISIONS
NO. | DATE | REMARKS | BY
1 | 05/11 | AMG
2 | 06/11 | AMG
3 | 07/11 | CLP

HDR ENGINEERING, INC.
2155 LOUISIANA BLVD. NE, SUITE 9000, ALBUQUERQUE, NM 87110
(505) 884-0672 FAX (505) 800-5454
HDR ENGINEERING INC — ONE COMPANY Many Solutions
DESIGNED BY: AMG
DRAWN BY: AMG
CHECKED BY: CLP

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
INTERSECTION DETAILS

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr. — Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 28 of 51

RECORD DRAWING

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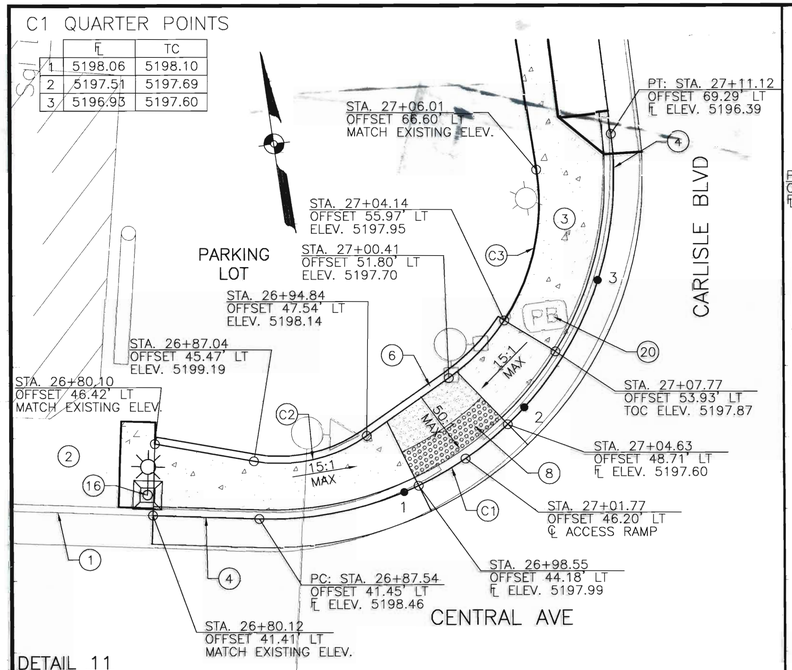

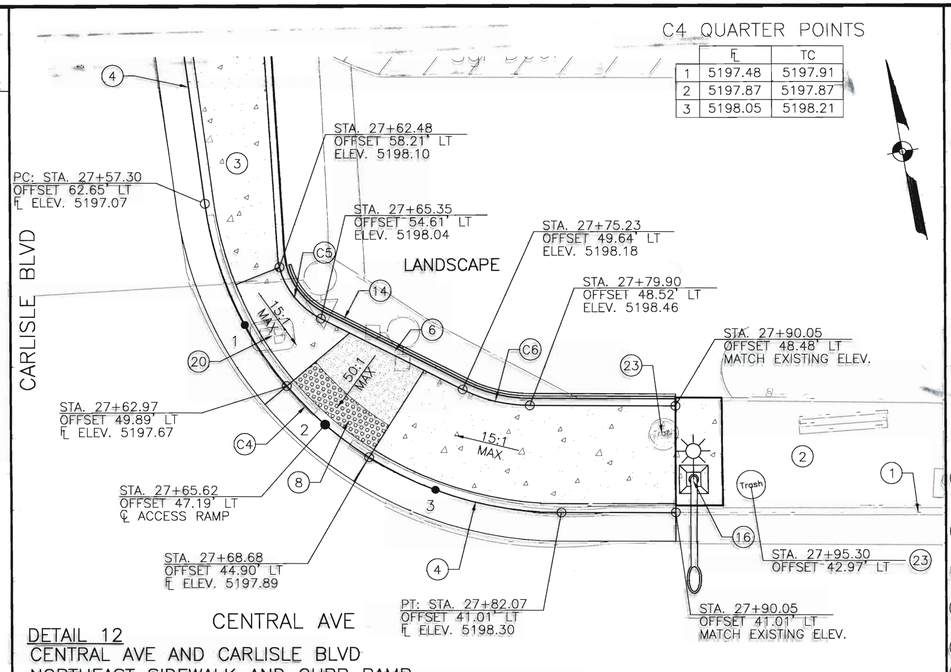

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. REMOVE EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE. SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
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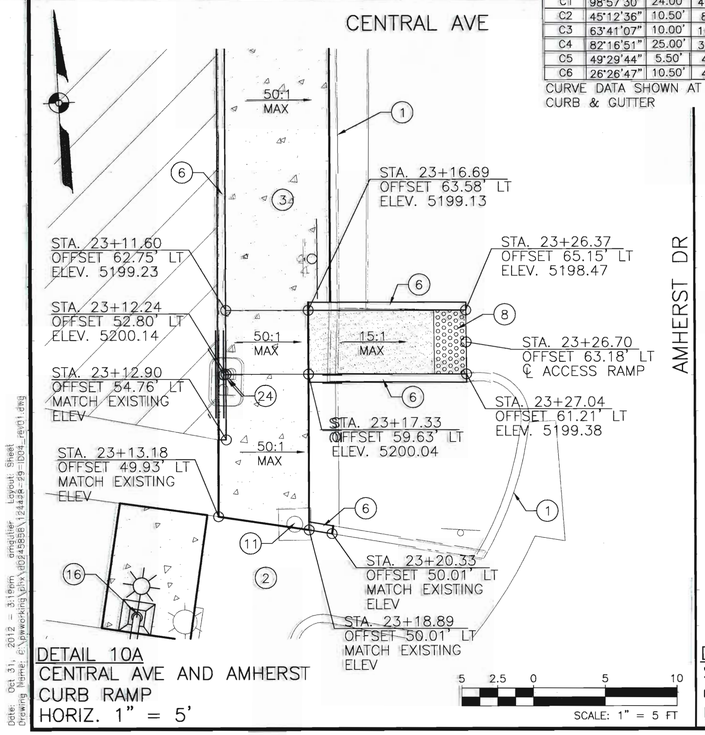
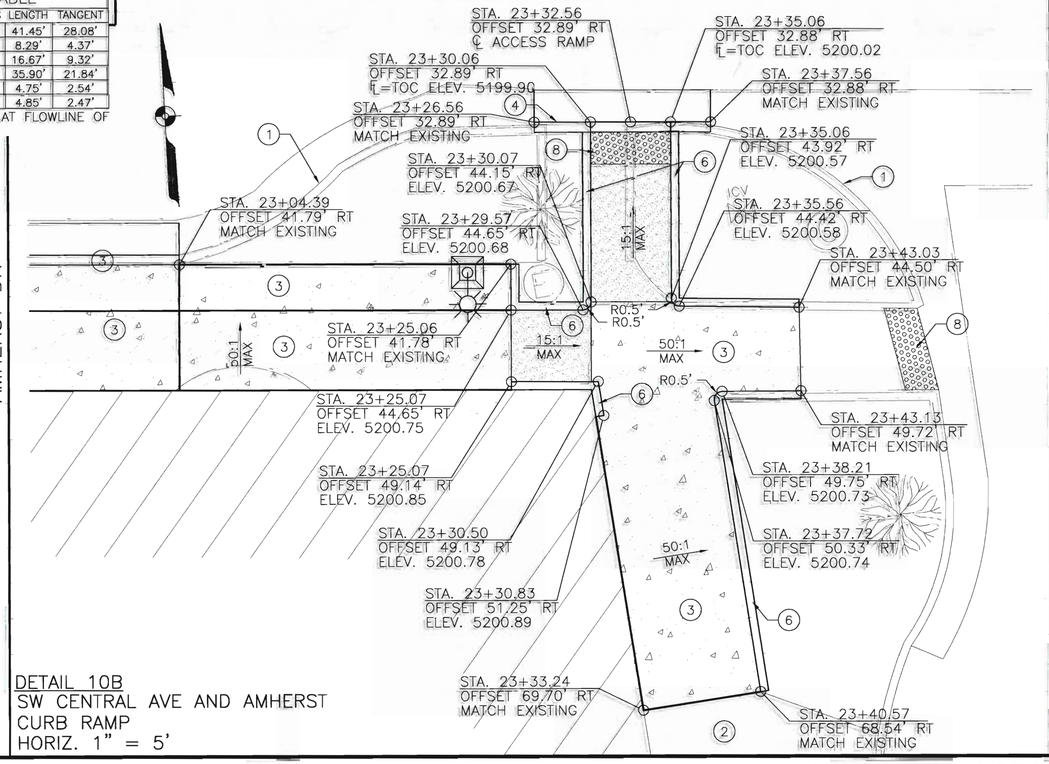
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	98°57'30"	24.00'	41.45'	28.08'
C2	45°12'36"	10.50'	8.29'	4.37'
C3	63°41'07"	10.00'	16.67'	9.32'
C4	82°16'51"	25.00'	35.90'	21.84'
C5	49°29'44"	5.50'	4.75'	2.54'
C6	26°26'47"	10.50'	4.85'	2.47'

CURVE DATA SHOWN AT FLOWLINE OF CURB & GUTTER





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REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

AS BUILT INFORMATION

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "16-K18A ACS", NOTE: NMSP COORDINATES, REVISED AUGUST 1997. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329 GROUND TO GRID FACTOR: 0.999664599 NORTHING = 1483955.175 EASTING = 1538790.908

SURVEY INFORMATION
FIELD NOTES BY DATE
CONTRACTOR BY(R): ELECTRIC DATE(S): 12
WORK STAKED BY: SM&A DATE(S): 9/12
INSPECTORS FIELD CHANGE BY: COA DATE: 9/12
VERIFICATION BY: COA DATE: 9/12
DRAWING CORRECTED BY: HDR ENGINEERING DATE: 9/12

MICRO-FILM INFORMATION
RECORDED BY:
NO.

ENGINEER'S SEAL
EDWARD R. DOTTHOFF JR.
NEW MEXICO
17633
PROFESSIONAL ENGINEER
NOV. 6, 2012

NO.	DATE	REMARKS	BY
1.	09/09/11	AMHERST ADA REVISION	

REVISIONS

HDR ENGINEERING INC.
DESIGNED BY: AMG DATE: 01/11
DRAWN BY: AMG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

2155 LOUISIANA BLVD. NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-0400
FAX: (505) 830-0454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

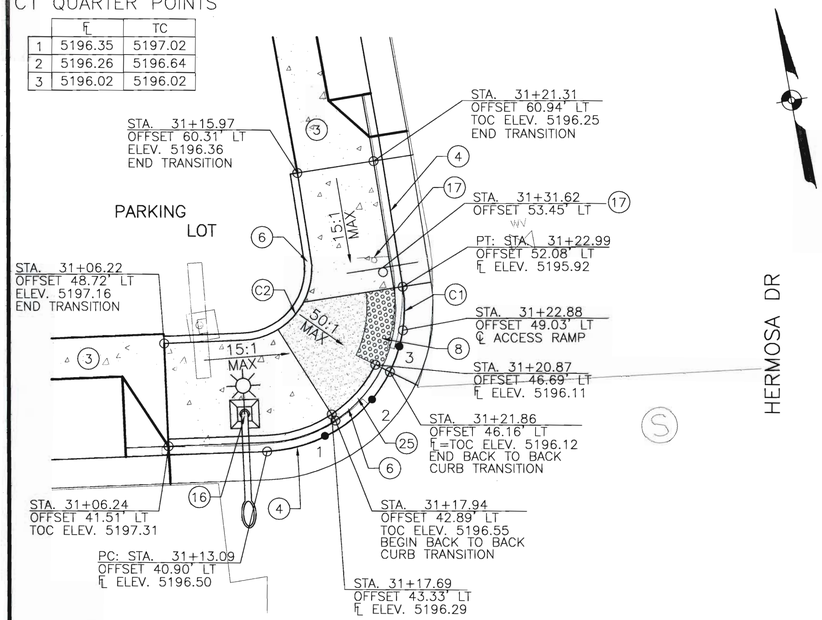
TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
INTERSECTION DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	29R	51

C1 QUARTER POINTS

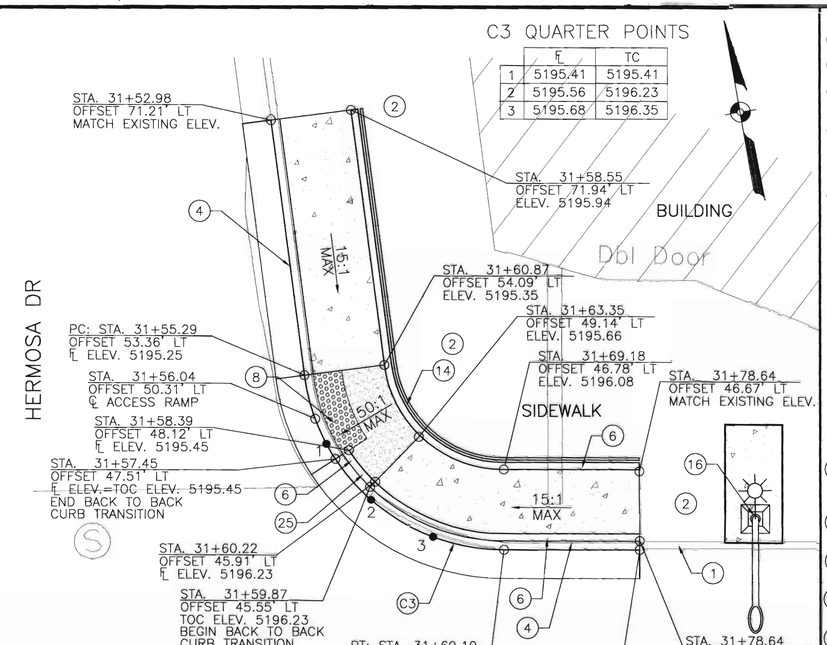
	℄	TC
1	5196.35	5197.02
2	5196.26	5196.64
3	5196.02	5196.02



DETAIL 14
CENTRAL AVE AND HERMOSA DR
NORTHWEST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

C3 QUARTER POINTS

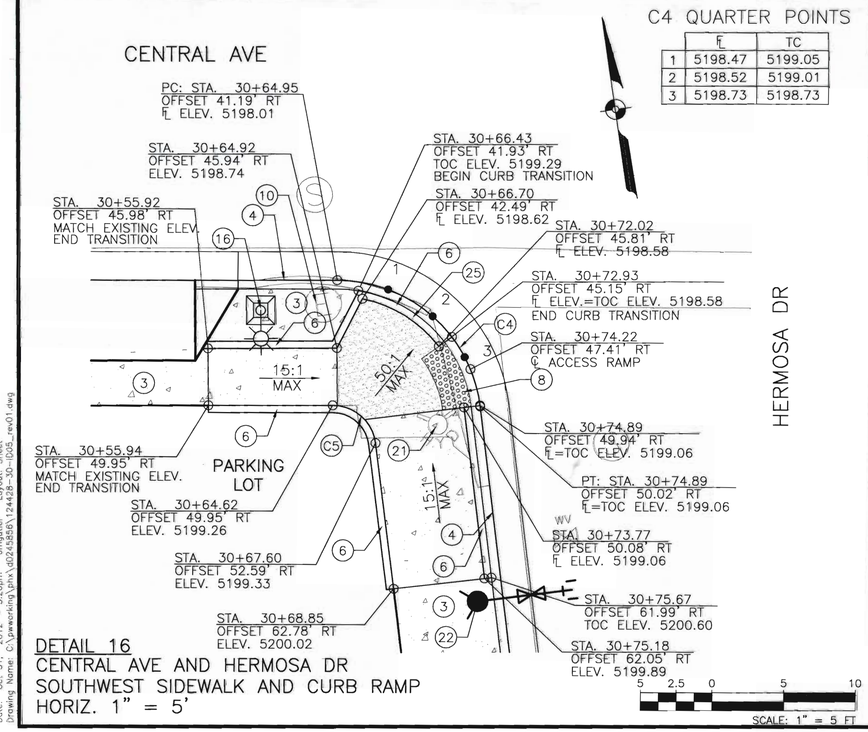
	℄	TC
1	5195.41	5195.41
2	5195.56	5196.23
3	5195.68	5196.35



DETAIL 15
CENTRAL AVE AND HERMOSA DR
NORTHEAST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

C4 QUARTER POINTS

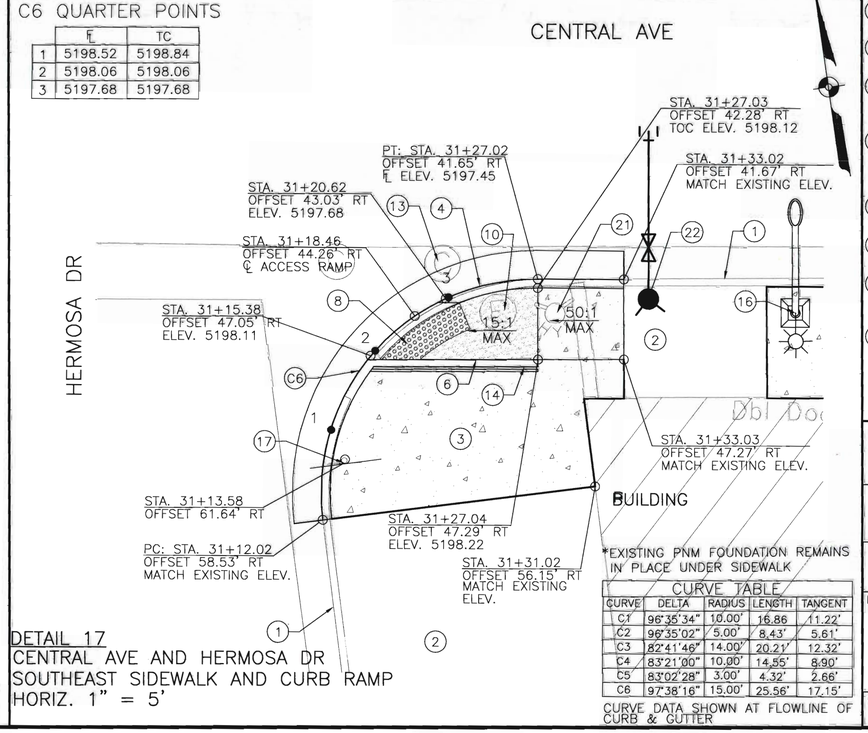
	℄	TC
1	5198.47	5199.05
2	5198.52	5199.01
3	5198.73	5198.73



DETAIL 16
CENTRAL AVE AND HERMOSA DR
SOUTHWEST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

C6 QUARTER POINTS

	℄	TC
1	5198.52	5198.84
2	5198.06	5198.06
3	5197.68	5197.68



*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

DETAIL 17
CENTRAL AVE AND HERMOSA DR
SOUTHEAST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

CURVE TABLE

CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	96°35'34"	10.00'	16.86	11.22'
C2	96°35'02"	5.00'	8.43'	5.61'
C3	82°41'46"	14.00'	20.21'	12.32'
C4	83°21'00"	10.00'	14.55'	8.90'
C5	83°02'28"	3.00'	4.32'	2.66'
C6	97°38'16"	15.00'	25.56'	17.15'

CURVE DATA SHOWN AT FLOWLINE OF CURB & GUTTER

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE. SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSITION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

AS BUILT INFORMATION

	CONTRACTOR	BNSF ELECTRIC	DATE 8/12
	WORKED BY	SM&A	DATE 8/12
	INSPECTOR'S ACCEPTANCE BY	COA	DATE 8/12
	FIELD VERIFICATION BY	COA	DATE 8/12
	CORRECTED BY	HDR ENGINEERING	DATE 8/12

MICRO-FILM INFORMATION

RECORDED BY
NO.

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED ADJUST 1987. ~~NAD 83 NMSP COORDINATES CENTRAL ZONE~~

NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483955.175
EASTING = 1538790.908

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

EDWARD L. POTTHOFF JR. NEW MEXICO 17633 PROFESSIONAL ENGINEER
Nov. 6, 2012

NO.	DATE	REMARKS	BY
2	09/2012	AS-BUILT	
1	08/24/11	NW HERMOSA/CENTRAL CURB RAMP	

REVISIONS

DESIGNED BY: AMG DATE: 01/11
DRAWN BY: AMG DATE: 01/11
CHECKED BY: ELP DATE: 01/11

HDR ENGINEERING INC.

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
INTERSECTION DETAILS

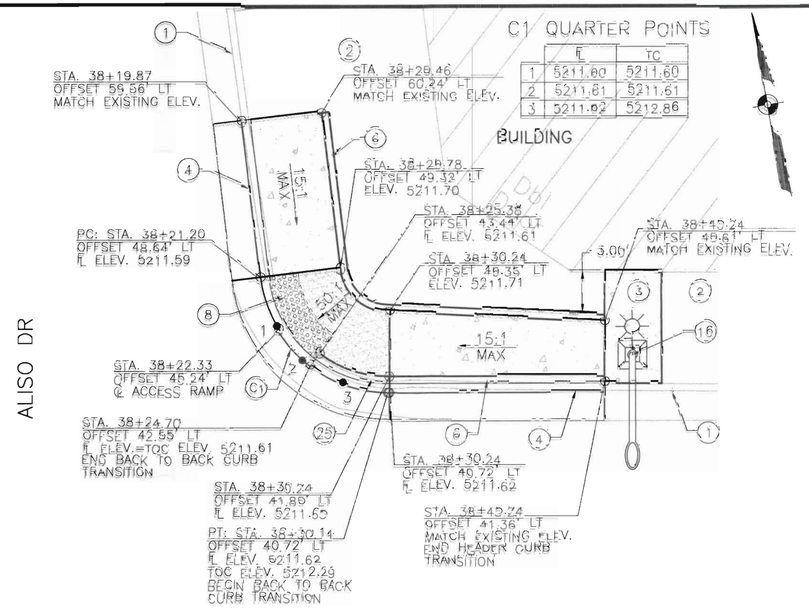
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	30R	51

REDRAWN FOR RECORD PURPOSES

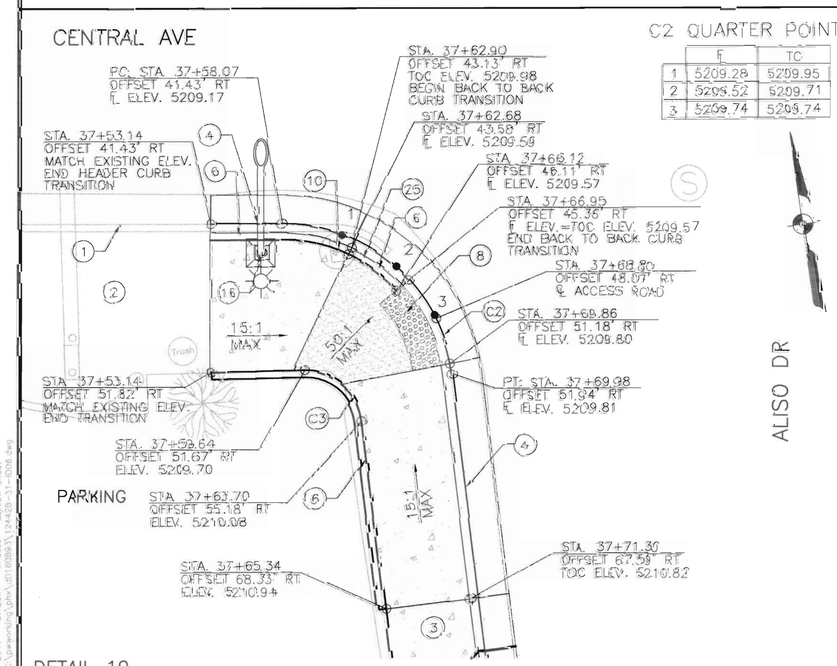
RECORD DRAWING

Date: Oct 31, 2012 - 3:20pm amcpeter Layout: Sheet
Drawing Name: C:\pwworking\phx\d0245856\124428-30-1035_rev01.dwg



	℄	TC
1	5211.60	5211.60
2	5211.61	5211.61
3	5211.62	5212.86

DETAIL 18
CENTRAL AVE AND ALISO DR
NORTHEAST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'



	℄	TC
1	5209.28	5209.95
2	5209.52	5209.71
3	5209.74	5208.74

DETAIL 19
CENTRAL AVE AND ALISO DR
SOUTHWEST SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	62°06'55"	5.05'	5.47'	2.98'
C2	62°56'55"	12.00'	17.35'	10.59'
C3	84°13'55"	4.00'	5.88'	3.62'

CURVE DATA SHOWN AT FLOWLINE OF CURB & GUTTER

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

SCALE: 1" = 5 FT

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. *SEE BELOW
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9.
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE, SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
20. PULL BOX TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT, INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
22. INSTALL NEW FIRE HYDRANT WITH 6" TEE, 6" VALVE, VALVE BOX, & 6" PVC WATERLINE PER COA STD. DWG 2301, 2340, 2315, 2326 & 2328.
23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B.

AS BUILT INFORMATION
CONTRACTOR: GRADY ELECTRIC DATE: 8/12
INSPECTOR: DATE: 8/12
SURVEYED BY: SMC NORTHWORKS DATE: 8/12
DRAWN BY: EP CDA FIELD BASE DATE: 8/12
VERIFICATION BY: CDA DATE: 8/12
CONSTRUCTED BY: HERC ENGINEERING DATE: 8/12

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK AND IS STAMPED "D-4139A ACS". NOTE: NMSP COORDINATES REVISED ALBUQUERQUE 1997 NAD 83 NMSP COORDINATES (CENTRAL ZONE) NAVD 1988 ELEV. = 5247.339 (PROJECT TO GRID FACTOR: 0.9996645639) NORTHING = 1465935.775 EASTING = 1504979.045

SURVEY INFORMATION
FIELD NOTES BY: DATE: NO.

MICRO-FILM INFORMATION
RECORDED BY: NO.

ENGINEER'S SEAL

NO.	DATE	REMARKS / REVISIONS	BY
		HDR ENGINEERING, INC.	
		DESIGNED BY: AMC DATE 01/11	
		DRAWN BY: AMG DATE 01/11	
		CHECKED BY: ELF DATE 01/11	

2155 LOUISIANA BLVD. NE
TENTH FLOOR
ALBUQUERQUE, NM 87110
MAIN: (505) 884-0672
FAX: (505) 884-0682
HDR ENGINEERING INC
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Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

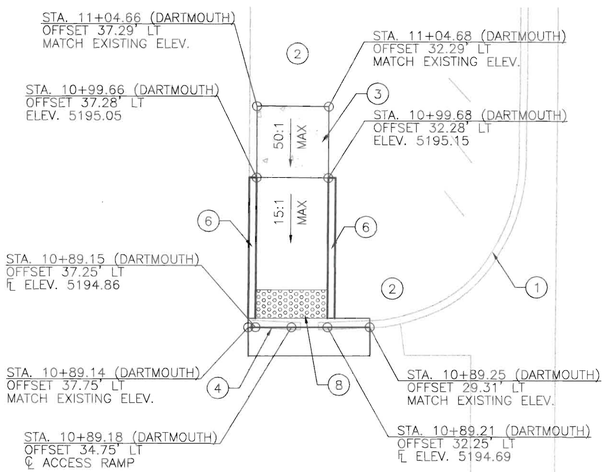
TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
INTERSECTION DETAILS

Design Review Committee	City Engineer Approval	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER	Rev. Date + Update	

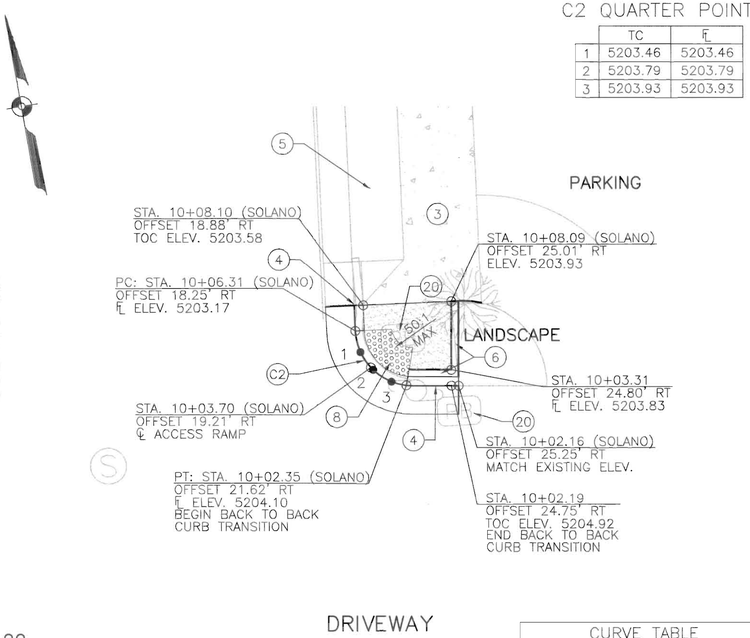
City Project No. 7795.04 | Zone Atlas No. K-16, K-17 | Sheet 31 Of 61

RECORD DRAWING

Date: Feb 04, 2011 – 8:12am Drawing Name: C:\pw-working\phv\d0168981\24428-31-0016.dwg



DETAIL 20
DARTMOUTH DR
NORTH SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'



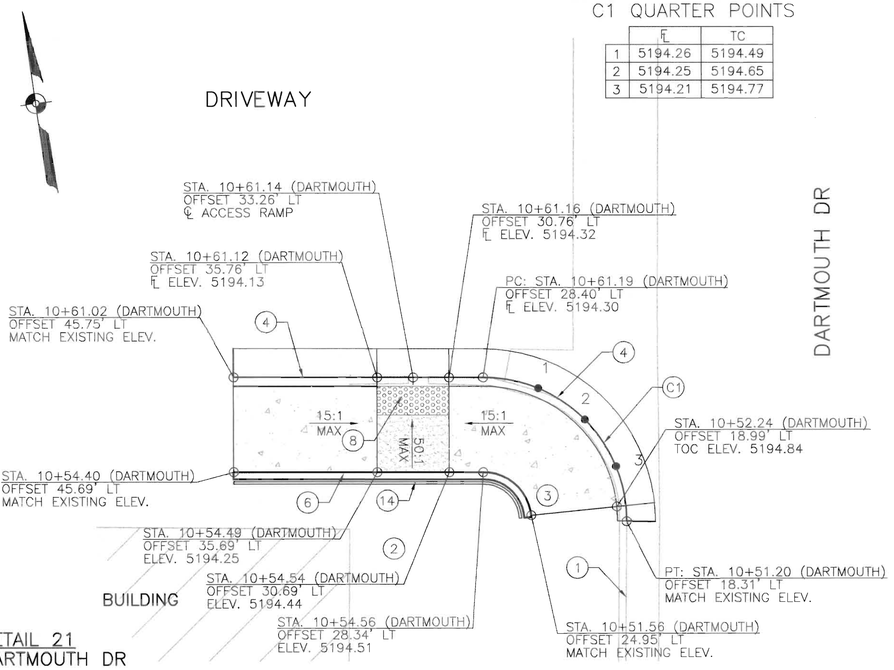
C2 QUARTER POINTS

	TC	℄
1	5203.46	5203.46
2	5203.79	5203.79
3	5203.93	5203.93

DETAIL 22
SOLANO DR
NORTH SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

CURVE TABLE				
CURVE	DELTA	RADIUS	LENGTH	TANGENT
C1	90°26'36"	10.00'	15.79'	10.08'
C2	87°31'21"	4.00'	6.11'	3.83'

CURVE DATA SHOWN AT FLOWLINE OF CURB & GUTTER



C1 QUARTER POINTS

	℄	TC
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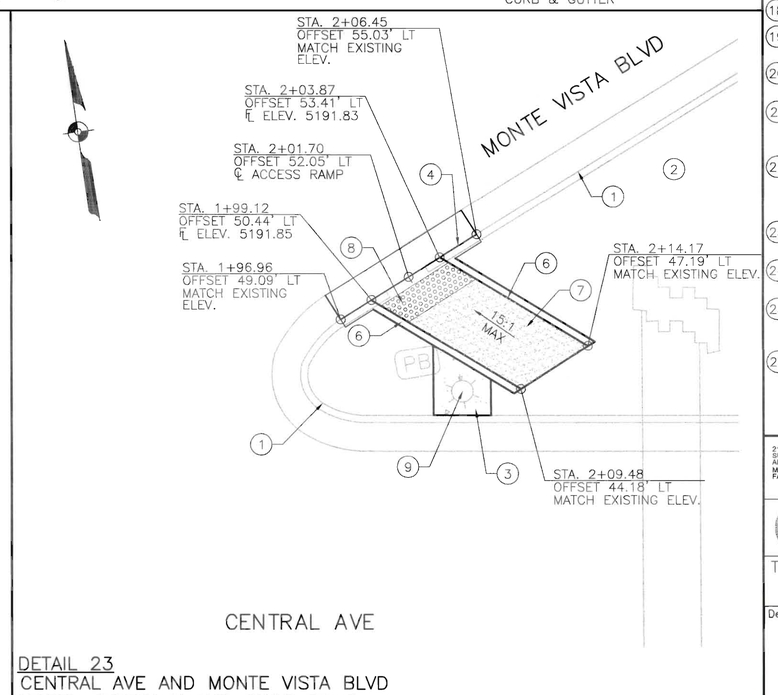
2	5194.25	5194.65
3	5194.21	5194.77

DETAIL 21
DARTMOUTH DR
SOUTH SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'



DETAIL 23
CENTRAL AVE AND MONTE VISTA BLVD
NORTH SIDEWALK AND CURB RAMP
HORIZ. 1" = 5'

*EXISTING PNM FOUNDATION REMAINS IN PLACE UNDER SIDEWALK

KEYED NOTES:

1. EXISTING CURB AND GUTTER TO REMAIN.
2. EXISTING SIDEWALK TO REMAIN.
3. REMOVE EXISTING SIDEWALK AND REPLACE WITH CONCRETE SIDEWALK, 4" THICK.
4. REMOVE EXISTING CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD CURB AND GUTTER, SEE STD. DWG 2415A.
5. REMOVE AND REPLACE EXISTING DRIVE PAD SEE DETAILS SHEET 9.
6. CITY OF ALBUQUERQUE STANDARD HEADER CURB, SEE STD. DWG 2415B
7. CONSTRUCT ADA RAMP – SEE INTERSECTION DETAIL SHEETS.
8. UNLESS OTHERWISE NOTED TRUNCATED DOME STRIP SHALL BE 2' WIDE x LENGTH OF RAMP, 5' MIN. INSTALL PER MANUFACTURER'S RECOMMENDATIONS.
9. ~~REMOVE~~ EXISTING PNM STREET LIGHT FOUNDATION AND SIDEWALK. SEE DETAIL SHEET 9. *SEE BELOW
10. EXISTING ELECTRIC MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
11. REMOVE & REPLACE EXISTING WATER METER BOX WITH TRAFFIC RATED METER BOX COVER AND LID PER COA STD DWG 2369.
12. SAS MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
13. COMMUNICATION MANHOLE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
14. INSTALL HANDRAIL PER STANDARD DRAWING SEE SHEET 10.
15. REMOVE EXISTING TREE.
16. INSTALL NEW LUMINAIRE. SEE DETAIL SHEET 9 AND REFER TO LIGHTING PLANS.
17. REMOVE AND RELOCATE EXISTING SIGN.
18. REMOVE AND REPLACE EXISTING ASPHALT.
19. WATER VALVE TO REMAIN AND ADJUST TO MATCH EXISTING GRADE.
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21. REMOVE AND SALVAGE EXISTING FIRE HYDRANT. INSTALL CAP WITH MECHANICAL RESTRAINTS ON EXISTING WATERLINE.
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23. REMOVE AND RELOCATE EXISTING WASTE RECEPTACLE.
24. REMOVE AND RESET EXISTING STEEL COVER TO PROPOSED GRADE.
25. HEADER CURB AT BACK TO BACK CURB TRANSISTION SHALL BE PAINTED WITH REFLECTIVE YELLOW PAINT (WATER BASE).
26. REMOVE EXISTING MEDIAN CURB AND GUTTER AND REPLACE WITH CITY OF ALBUQUERQUE STANDARD MEDIAN CURB AND GUTTER, SEE STD. DWG 2415B

SCALE: 1" = 5 FT

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
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FAX: (505) 830-3454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

AS BUILT INFORMATION

BENCH MARKS	CONTRACTOR	DATE
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K19A ACS" NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329 GROUND TO GRID FACTOR: 0.999664599 NORTHING = 1483955.175 EASTING = 1538790.908	BIXBY ELECTRIC	8/12
	WORK STAKED BY: SMA	8/12
	INSPECTOR'S ACCEPTANCE BY: COA	8/12
	VERIFICATION BY: COA	8/12
	CORRECTED BY: HDR ENGINEERING	8/12

MICRO-FILM INFORMATION
RECORDED BY:
NO.

SURVEY INFORMATION		
FIELD NOTES	BY	DATE
NO.		

ENGINEER'S SEAL
EDWARD A. WOLFENBARGER
NEW MEXICO
17633
PROFESSIONAL ENGINEER
Feb 7, 2011

REVISIONS	NO.	BY	DATE
HDR ENGINEERING, INC.			
DESIGNED BY: AMG			DATE: 01/11
DRAWN BY: AMG			DATE: 01/11
CHECKED BY: ELP			DATE: 01/11

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
INTERSECTION DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	32	51

RECORD DRAWING

Date: Feb 04, 2011 - 8:13am bcrowe Layout: Sheet
Drawing: N:\Survey\Proj\2007\07180893\12422R-02-0007.dwg

LIGHTING NOTES

1. LOCATIONS OF CONDUITS, FOUNDATIONS, PULL BOXES AND CONTROL CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE PROJECT MANAGER IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
2. ALL WIRE ON THIS PROJECT TO BE COPPER.
3. LIGHT STANDARDS SHALL HAVE BREAKAWAY COUPLINGS.
4. ALL ORNAMENTAL (PEDESTRIAN) LIGHTING CIRCUITS ON THIS PROJECT SHALL BE 240 VOLTS.
5. ALL ROADWAY LIGHTING CIRCUITS ON THIS PROJECT SHALL BE 240 VOLTS.
6. ALL PULL BOXES INSTALLED FOR ROADWAY OR PEDESTRIAN LIGHTING SHALL BE STANDARD SIZE.
7. EACH TIME A ROADWAY LUMINAIRE, PEDESTRIANS LUMINAIRE IS TURNED ON OR OFF THE CONTRACTOR SHALL COORDINATE WITH THE FOLLOWING REPRESENTATIVES:
   PNM
   CITY OF ALBUQUERQUE
8. POWER SHALL NEITHER BE TURNED ON OR OFF UNTIL RESPONSIBLE PARTIES FOR EACH LIGHTING SYSTEM HAVE BEEN NOTIFIED.
9. RESPONSIBILITY AND MAINTENANCE OF LIGHTING SYSTEMS INSTALLED AS PART OF THIS PROJECT SHALL BE AS FOLLOWS:

A. ROADWAY LIGHTING SYSTEM INCLUDING MEDIAN AND RAMP LIGHTING SHALL BE ACCEPTED, INSPECTED AND MAINTAINED BY CITY OF ALBUQUERQUE AND PNM, THE CONTRACTOR SHALL PROVIDE THE CITY OF ALBUQUERQUE AND PNM FIVE (5) WORKING DAYS NOTICE IN ADVANCE OF TURNING ON THE SYSTEM SO AS TO ALLOW THE CITY OF ALBUQUERQUE AND PNM TO INSPECT AND APPROVE THE SYSTEM BEFORE IT IS TURNED ON.

B. PEDESTRIAN LIGHTING SHALL BE ACCEPTED, INSPECTED AND MAINTAINED BY THE CITY OF ALBUQUERQUE.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE AND COST OF ENERGIZING ALL LIGHTING SYSTEM UNTIL SUCH TIME THAT THE APPROPRIATE OWNER AND MAINTAINING AGENCY ACCEPT THE RESPONSIBILITY FOR THEIR RESPECTIVE SYSTEMS.
11. THE CONTRACTOR SHALL PAY FOR COSTS FOR PNM TO PROVIDE POWER SERVICE THESE COSTS WILL BE MEASURED AND PAID UNDER CONTRACT ITEM 421.016-POWER SERVICE INSTALLATION SEE SPECIAL PROVISIONS.
12. CONTRACTOR SHALL COORDINATE WITH THE POLE MANUFACTURER TO MATCH BOLT PATTERNS OF THE NEW DECORATIVE STANDARD. ALL EXISTING FOUNDATIONS TO BE REMOVED SHALL BE DISPOSED OF AND CONSIDERED INCIDENTAL.
13. ALL (LIGHTING CONTROL CABINETS) SHALL INCLUDE PHOTO ELECTRIC CELLS.
14. THE DESIGN IS BASED UPON TYPE I, 250 WATT, HIGH PRESSURE SODIUM, FULL CUT OFF, FLAT GLASS LUMINAIRES, AND TYPE II, 150 WATT, HIGH PRESSURE SODIUM, FULL CUT OFF LUMINAIRES. THE CONTRACTOR SHALL FURNISH AND INSTALL THIS TYPE FIXTURE.
15. LIGHTING CONTROL CABINETS SHALL BE OF THE FOLLOW TYPE:

    6 CIRCUIT METERED CABINET (LC-1) - STA 8+58.83, 91.01' LT
    6 CIRCUIT METERED CABINET (LC-2) - STA 19+89.80, 145.48' LT
    6 CIRCUIT METERED CABINET (LC-3) - STA 34+32.66, 159.43' LT
    6 CIRCUIT METERED CABINET (LC-4) - STA 9+00.88, 131.86' RT
    6 CIRCUIT METERED CABINET (LC-5) - STA 19+84.23, 148.14' RT
    6 CIRCUIT METERED CABINET (LC-6) - STA 34+69.75, 62.16' RT

16. ANY LUMINAIRES DAMAGED DURING SETTING, OR REMOVING OF LIGHT STANDARDS SHALL BE REPLACED IN KIND AT CONTRACTORS EXPENSE.
17. ALL LIGHTING CONTROL CABINETS SHALL BE TESCO (OR APPROVED EQUAL). THE CONTRACTOR SHALL SUBMIT A COPY OF THE LIGHTING PLANS TO THE MANUFACTURER. THE MANUFACTURER SHALL REVIEW THE PLANS AND MODIFY THE EQUIPMENT IN EACH CABINET AS NECESSARY TO ACCOMMODATE LIGHTING REQUIREMENTS AS SHOWN IN PLANS. THE MANUFACTURER SHALL SUBMIT SHOP DRAWINGS OF EACH CABINET TO THE PROJECT MANAGER AND PNM FOR REVIEW AND APPROVAL PRIOR TO MANUFACTURING OF CABINETS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CABINET AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.
18. PNM WILL IDENTIFY EXISTING CIRCUITS. PNM WILL TIE THE NEW CIRCUITS INTO EXISTING CIRCUITS AS DIRECTED BY PROJECT MANAGER. THE CONTRACTOR SHALL USE APPROPRIATE CAUTION WHEN INTERCEPTING EXISTING CIRCUITS.
19. LIGHTS NEAR EXISTING OVERHEAD TRANSMISSION LINES MUST MAINTAIN A 4.5' VERTICAL CLEARANCE AND/OR A 5.0) HORIZONTAL CLEARANCE FROM THE PHASE CONDUCTOR. PNM WILL ASSIST IN MEASUREMENT AND DETERMINATION OF CLEARANCE.
20. THE COA STANDARD DRAWINGS SHALL BE FOLLOWED:

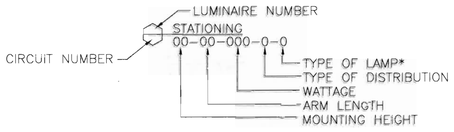
    DWG. 2541A.....TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES
    DWG. 2541B.....TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES
    DWG. 2541C.....TYPICAL TRAFFIC CONTROL & SIGNING EXAMPLES
    DWG. 2550.....TRAFFIC SIGNAL PULL BOX DETAILS
    DWG. 2551.....TRAFFIC SIGNAL MANHOLE DETAILS
    DWG. 2552.....TRAFFIC SIGNAL LOOP DETECTOR DETAILS
    DWG. 2555.....TRAFFIC SIGNAL CONTROLLER CABINET & PEDESTAL FOUNDATION DETAILS
    DWG. 2570.....TRAFFIC SIGNAL ELECTRICAL SERVICE DETAILS
    DWG. 2573.....TRAFFIC STREET LIGHTING CONTROL CABINET SIX CIRCUIT, METERED
    DWG. 2580.....TRAFFIC STREET LIGHTING FOUNDATION * MISCELLANEOUS DETAILS
    DWG. 2581.....TRAFFIC STREET LIGHTING INSTALLATION & POLE DETAILS

21. COA TECHNICAL SPECIFICATIONS SHALL BE FOLLOWED: SECT. 400, TRAFFIC CONTROL FROM 400.1 TO 450
22. CONTRACTOR SHALL COORDINATE COURTESY TAGGING OF POLES, CABINETS AND JUNCTION BOXES WITH CONSTRUCTION ENGINEER.
23. CONTRACTOR CANNOT REMOVE PNM POLES, AND SHALL COORDINATE REMOVAL OF COA POLES WITH COA PROJECT MANAGER.
24. PICK UP FROM STORAGE FACILITY, DELIVERY TO PROJECT SITE AND ASSEMBLY OF THE CITY FURNISHED LIGHT POLES AND LUMINAIRES WILL BE INCLUDED IN THE CONTRACT PRICE FOR ITEM 423.0X0, ORNAMENTAL POLE & LUMINAIRE (PED) INSTALLATION ONLY AND NO FURTHER PAYMENT WILL BE MADE THEREFOR. LIGHT POLES AND LUMINAIRES ARE STORED AT 4200 BOGAN AVENUE NE IN ALBUQUERQUE.

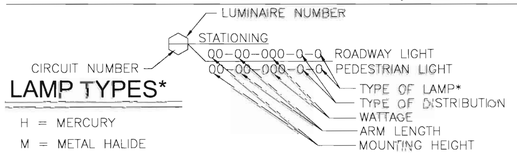
LIGHTING INCIDENTAL ITEMS

1. ANCHOR BOLTS FOR FOUNDATION.
2. GROUND RODS FOR FOUNDATION.
3. UNIVERSAL SUPPORT BRACKETS FOR SERVICE RISERS.
4. CONCRETE FOUNDATIONS FOR LIGHTING CONTROL CABINETS INCLUDING ELEVATION, BACKFILL, CONCRETE, GROUND RODS, AND ANCHOR BOLTS.
5. REWIRING OF EXISTING LUMINAIRES TO REMAIN, TO BE REMOVED, AND RESET, AND CONNECTIONS TO NEW CIRCUITS SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
6. ALL SINGLE CONDUCTOR #10 COPPER WIRES CONNECTING THE MAIN CIRCUIT WIRING TO CORRESPONDING LUMINAIRES SHALL BE CONSIDERED INCIDENTAL TO COST OF POLES.
7. CONTRACTOR SHALL COORDINATE WITH THE CITY AND PNM ON THE REMOVAL OF THE EXISTING LIGHTING. A JOINT INVENTORY WILL BE CONDUCTED TO DETERMINE OWNERSHIP OF THE EXISTING LIGHTS. PNM WILL REMOVE (AT COST) EXISTING LIGHTS THAT ARE OWNED BY THEM. THE CONTRACTOR SHALL REMOVE CITY OWNED LIGHTS AND DELIVER ALL SALVAGED ITEMS TO COA TRAFFIC ENGINEERING PINO YARD. THIS WORK SHALL BE CONSIDERED INCIDENTAL AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFORE.
8. SINGLE CONDUCTOR #10 AWG COPPER WIRE CONNECTIONS FROM MAIN CIRCUIT TO LUMINAIRES.
9. REMOVAL OF EXISTING STANDARDS AND LUMINAIRES AND DELIVERED TO THE CITY OF ALBUQUERQUE.
10. SHOP DRAWING PREPARATION AND COORDINATION FOR LIGHTING CONTROL CABINETS.
11. ENERGY COST OF THE LIGHTING SYSTEM UNTIL ACCEPTANCE BY THE MAINTAINING AGENCY.
12. #6 AWG COPPER WIRE FOR GROUNDING.
13. (1) SHORTING CAP PER LUMINAIRE.
14. PICK UP FROM STORAGE, DELIVERY TO PROJECT SIDE AND ASSEMBLE OF CITY FURNISHED LIGHT POLES AND LUMINAIRES.

PEDESTRIAN LIGHT (SINGLE LUMINAIRE)



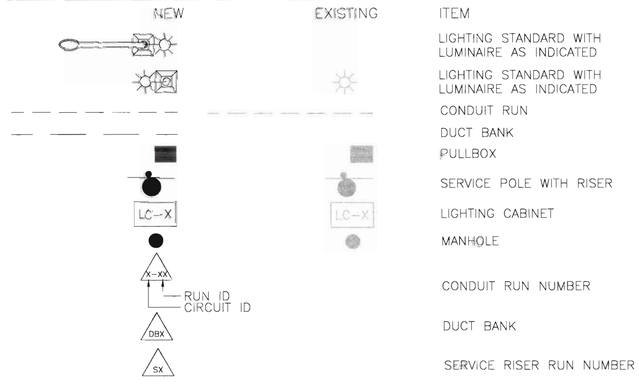
PEDESTRIAN & ROADWAY LIGHT (COMBINATION)



LAMP TYPES*

H = MERCURY
M = METAL HALIDE
S = SODIUM

LIGHTING LEGEND



AS BUILT INFORMATION
CONTRACTOR: IBIKBY ELECTRIC DATE 8/12
WORK REVIEWED BY: SHAIA DATE 8/12
AS-BUILTS BY: COA DATE 8/12
AS-BUILTS REVIEWED BY: COA DATE 8/12
DRAWINGS APPROVED BY: HDR ENGINEERING DATE 8/12
MICRO-FILM INFORMATION
REC. DRGNG. #
IND.

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "E-K18A 1962". NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5247.529
(GROUND) TO GRID FACTOR: 0.999664599
NORTHING = 1463955.175
EASTING = 1538790.908

SURVEY INFORMATION
FIELD NOTES BY
NO. DATE

ENGINEER'S SEAL
ROBERT L. LUNA 14500 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

REMARKS
REVISIONS
HDR ENGINEERING INC.
NO. DATE BY
1 DATE: 12/1/10 DESIGNED BY: RC
2 DATE: 12/1/10 DRAWN BY: RC
3 DATE: 12/1/10 CHECKED BY: IRL

2155 LOUISIANA BLVD. NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454
HDR ENGINEERING, Inc.
ONE COMPANY Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
GENERAL LIGHTING NOTES & LEGEND

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: No./Day/Yr. No./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 33 Of 51

RECORD DRAWING

Date: Feb 07, 2011 - 1:10pm angular Layout: Sheet1
Drawing Name: C:\Operating\gen\ST\7795\1\24x36 - 33 - 1001.dwg

LIGHTING QUANTITIES (ESTIMATED)				
ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTAL	USE
4.010	CONSTUCTION STAKING, COMPLETE	LS	1	1
6.050	CONSTRUCTION MOBILIZATION	LS	1	1
6.060	CONSTRUCTION DEMOBILIZATION	LS	1	1
19.010	CONSTRUCTION TRAFFIC CONTROL AND BARRICADING, COMPLETE	LS	1	1
421.002	SERVICE POLE (LIGHTING)	EACH	6	6
421.006	SERVICE RISER (LIGHTING)	EACH	6	6
421.016	SERVICE CONNECTION (LIGHTING)	EACH	6	6
421.025	LIGHTING CONTROL CABINET - 6 CIRCUIT (METERED)	EACH	6	6
422.050	ORNAMENTAL POLE & LUMINAIRE (PED)	EACH	84	84
422.051	ORNAMENTAL POLE & LUMINAIRE (COMBO)	EACH	58	58
423.020	LUMINAIRE FOUNDATION FOR LUMINAIRE - HT-40 & LESS	EACH	163	163
423.121	STREET LIGHT FOUNDATION - REMOVE AND DISPOSE, COMPL.	EACH	65	65
423.0X0	ORNAMENTAL POLE & LUMINAIRE (PED) INSTALLATION ONLY	EACH	21	21
424.007	ELECTRICAL CONDUIT 2", INCLUDING PUSHING, BORING AND JACKING, CIP.	LIN. FT	15264	15300
424.007	ELECTRICAL CONDUIT 2", INCLUDING PUSHING, BORING AND JACKING, CIP.	LIN. FT	112	112 *
424.012	ELECTRICAL CONDUIT 3", INCLUDING PUSHING, BORING AND JACKING, CIP.	LIN. FT	4138	4200
425.002	ELECTRICAL PULL BOX (STANDARD)	EACH	47	47
425.002	ELECTRICAL PULL BOX (STANDARD)	EACH	28	28 *
425.020	TRAFFIC MANHOLE	EACH	12	12
426.001	SINGLE CONDUCTOR - #2, CIP.	LIN. FT.	30663	30700
426.001	SINGLE CONDUCTOR - #2, CIP.	LIN. FT.	224	224 *
426.005	SINGLE CONDUCTOR - #10, CIP.	LIN. FT.	9835	9900
432.001	ROADWAY LUMINAIRE TYPE 250s	EACH	58	58
432.010	AREA LIGHTING	EACH	163	163

* ADDITIONAL PULL BOXES ADDED TO SIDE STREETS. NOT SHOWN IN PLANS.

DUCT BANK QUANTITIES			
DUCT BANK RUN	FROM	TO	LENGTH
DB1	MH1	MH2	270
DB2	MH2	MH3	415
DB3	MH3	MH4	370
DB4	MH4	MH5	380
DB5	MH5	MH6	400
DB6	MH6	MH7	390
DB7	MH7	MH8	410
DB8	MH8	MH9	410
DB9	MH9	MH10	320
DB10	MH10	MH11	350
DB11	MH11	MH12	335
DB12	MH12	MH13 **	88
		TOTAL:	4138

** EXISTING MANHOLE

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "5-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAD 1988 ELEV = 5247.329 GROUND TO GRID FACTOR: 0.999664599 NORTHING = 1483955.175 EASTING = 1538790.908

AS BUILT INFORMATION

CONTRACTOR BIXBY ELECTRIC DATE 8/12

WORK STARTED BY SMBA DATE 8/12

INSPECTOR'S ACCEPTANCE BY COA DATE 8/12

FIELD VERIFICATION BY COA DATE 8/12

DRAWINGS CORRECTED BY HDR ENGINEERING DATE 8/12

MICRO-FILM INFORMATION

RECORDED BY

NO.

ENGINEER'S SEAL

ROBERT L. LUNA 14500 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
		REVISIONS
		HDR ENGINEERING INC.
		DESIGNED BY: RC DATE: 12/10
		DRAWN BY: RC DATE: 12/10
		CHECKED BY: RLL DATE: 12/10

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HDR ENGINEERING INC.
ONE COMPANY
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

LIGHTING QUANTITIES

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE

City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER

Last Design Update: Mo./Day/Yr. | Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 34 Of 51

RECORD DRAWING

Date: Feb 25, 2011 — 1:47pm computer: Layout: Layout1
Drawing Name: c:\jeworking\phn\d01\f68803\124428-34-CT01.dwg

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 1

CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
S1-1	POWER	S1	LC-1	15	3	45	15
1-1	1	LC-1	PB3	6	2	12	6
1-2	1	PB3	PB4	55	2	110	55
1-5	1	PB2	PB4	63	2	126	63
1-6	1	PED 2/1	PED 3/1	61	2	122	61
1-7	1	PED 3/1	[redacted] PB2	52	2	104	52
1-8	1	COMBO 4/1	PED 5/1	82	2	164	82
1-9	1	PED 5/1	COMBO 6/1	74	2	148	74
1-10	1	COMBO 6/1	PED 7/1	77	2	154	77
1-11	1	PED 7/1	COMBO 8/1	79	2	158	79
1-12	1	COMBO 8/1	PED 9/1	68	2	136	68
1-13	1	PED 9/1	PED 10/1	78	2	156	78
1-14	1	PB48	PB1	58	2	116	58
1-16	1	PED 11/1	PED 12/1	45	2	90	45
1-17	1	PED 12/1	COMBO 13/1	76	2	152	76
1-18	1	COMBO 13/1	PED 14/1	80	2	160	80
1-19	1	PED 14/1	COMBO 15/1	56	2	112	56
			TOTALS:	1025	-	2065	1025

ST. LIGHT WIRING QUANITITES - CIRCUIT 1

ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/1	2	-	35
2/1	2	-	35
3/1	2	-	35
4/1	2	2	105
5/1	2	-	35
6/1	2	2	105
7/1	2	-	35
8/1	2	2	105
9/1	2	-	35
10/1	2	-	35
11/1	2	-	35
12/1	2	-	35
13/1	2	2	105
14/1	2	-	35
15/1	2	2	105
		TOTAL #10 COND. - CIRCUIT 1:	875

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 2

CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
2-1	2	LC-1	PB1	6	2	12	6
2-2	2	PB1	PED 1/2	15	2	30	15
2-3	2	PED 1/2	PED 1/1	15	2	30	15
2-4	2	PB3	PB4	53	2	106	53
2-5	2	PB4	PED 2/2	8	2	16	8
2-6	2	PED 2/2	COMBO 3/2	82	2	164	82
2-7	2	COMBO 3/2	PED 4/2	62	2	124	62
2-8	2	PED 4/2	COMBO 5/2	69	2	138	69
2-9	2	COMBO 5/2	PED 6/2	95	2	190	95
2-10	2	PED 6/2	PB5	8	2	16	8
2-11	2	PB5	PED 7/2	91	2	182	91
2-12	2	PED 7/2	PED 8/2	66	2	132	66
2-13	2	PB5	PB6	40	2	80	40
2-14	2	PED 9/2	PED 10/2	100	2	200	100
2-15	2	PED 10/2	PB6	48	2	96	48
2-16	2	PB6	COMBO 11/2	42	2	52	26
2-17	2	COMBO 11/2	PED 12/2	56	2	144	72
2-18	2	PED 12/2	COMBO 13/2	77	2	154	77
			TOTALS:	933	-	1866	933

ST. LIGHT WIRING QUANITITES - CIRCUIT 2

ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/2	2	-	35
2/2	2	-	35
3/2	2	2	105
4/2	2	-	35
5/2	2	2	105
6/2	2	-	35
7/2	2	-	35
8/2	2	-	35
9/2	2	-	35
10/2	2	-	35
11/2	2	2	105
12/2	2	-	35
13/2	2	2	105
		TOTAL #10 COND. - CIRCUIT 2:	735

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 3

CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
S2-1	POWER	S2	LC-2	15	3	45	15
3-1	3	LC-2	PB10	55	2	110	55
3-4	3	PB10	PED 1/3	234	2	468	234
3-5	3	PED 1/3	COMBO 2/3	67	2	134	67
3-6	3	COMBO 2/3	PB10	26	2	52	26
3-7	3	PB9	PED 3/3	86	2	172	86
3-8	3	PB8	PB9	57	2	114	57
3-9	3	PB44	PED 9/3	13	2	26	13
3-10	3	PED 4/3	PB8	68	2	136	68
3-11	3	PED 5/3	COMBO 6/3	80	2	160	80
3-12	3	COMBO 6/3	PED 7/3	78	2	156	78
3-13	3	PED 7/3	COMBO 8/3	76	2	152	76
3-14	3	COMBO 8/3	PED 9/3	78	2	156	78
3-15	3	PED 9/3	PED 10/3	76	2	152	76
3-16	3	PB7	PB44	48	2	96	48
3-17	3	PED 11/3	PB7	48	2	96	48
3-18	3	PB7	COMBO 12/3	12	2	24	12
3-19	3	COMBO 12/3	PED 13/3	91	2	182	91
			TOTALS:	1208	-	2431	1208

ST. LIGHT WIRING QUANITITES - CIRCUIT 3

ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/3	2	-	35
2/3	2	2	105
3/3	2	-	35
4/3	2	-	35
5/3	2	-	35
6/3	2	2	105
7/3	2	-	35
8/3	2	2	105
9/3	2	-	35
10/3	2	-	35
11/3	2	-	35
12/3	2	2	105
13/3	2	-	35
		TOTAL #10 COND. - CIRCUIT 3:	735

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329

GROUND TO GRID FACTOR: 0.999664599

NORTHING = 1483955.175

EASTING = 1538790.908

AS BUILT INFORMATION

CONTRACTOR	BIXBY ELECTRIC	DATE 8/12
WORK DESIGNED BY	SM&A	DATE 8/12
INSPECTOR'S FIELD ACCEPTANCE BY	COA	DATE 8/12
FIELD VERIFICATION BY	COA	DATE 8/12
WORK REVIEWED & CORRECTED BY	HDR ENGINEERING	DATE 8/12

MICRO-FILM INFORMATION

RECORDED BY:

NO.

ENGINEER'S SEAL

ROBERT L. LUNA 14500 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	09/2012	AS-BUILT	

REVISIONS

HDR ENGINEERING INC.

DESIGNED BY: RC DATE: 12/10

DRAWN BY: RC DATE: 12/10

CHECKED BY: RLL DATE: 12/10

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HDR ENGINEERING INC.

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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

CONDUIT AND CONDUCTOR SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7795.04	K-16, K-17	35R	51

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

Date: Oct 31, 2012 - 3:29pm Computer: Layout1
Drawing Name: C:\Users\rcruz\Documents\Projects\2445-35-CPSD1.dwg

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 4							
CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
4-1	4	PB10	PB7	55	2	110	55
4-2	4	PB12	PED 1/4	81	2	162	81
4-3	4	LC2	PED 2/4	66	2	132	66
4-4	4	PED 2/4	PB10	47	2	94	47
4-5	4	PB10	COMBO 3/4	8	2	16	8
4-6	4	COMBO 3/4	PED 4/4	73	2	146	73
4-7	4	PED 4/4	COMBO 5/4	83	2	166	83
4-8	4	COMBO 5/4	PED 6/4	221	2	442	221
4-9	4	PED 6/4	COMBO 7/4	103	2	206	103
4-10	4	COMBO 7/4	PED 8/4	68	2	136	68
4-11	4	PED 8/4	COMBO 9/4	82	2	164	82
4-12	4	COMBO 9/4	PED 10/4	64	2	128	64
			TOTALS:	951	-	1902	951

ST. LIGHT WIRING QUANITITES - CIRCUIT 4			
ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/4	2	-	35
2/4	2	-	35
3/4	2	2	105
4/4	2	-	35
5/4	2	2	105
6/4	2	-	35
7/4	2	2	105
8/4	2	-	35
9/4	2	2	105
10/4	2	-	35
	TOTAL #10 COND. - CIRCUIT 4:		630

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 5							
CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
S3-1	POWER	S3	LC-3	15	3	45	15
5-1	5	LC-3	PB17	6	2	12	6
5-2	5	PB17	PB16	125	2	250	125
5-3	5	PB16	PB15	284	2	568	284
5-4	5	PB15	COMBO 1/5	61	2	122	61
5-5	5	COMBO 1/5	PED 2/5	95	2	190	95
5-6	5	PED 2/5	COMBO 3/5	95	2	190	95
5-7	5	COMBO 3/5	PED 4/5	81	2	162	81
5-8	5	PED 4/5	COMBO 5/5	67	2	134	67
5-9	5	COMBO 5/5	PB14	13	2	26	13
5-10	5	PB14	COMBO 6/5	69	2	138	69
5-11	5	COMBO 7/5	PB11	18	2	36	18
5-12	5	PB11	PB14	49	2	98	49
			TOTALS:	978	-	1971	978

ST. LIGHT WIRING QUANITITES - CIRCUIT 5			
ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/5	2	2	105
2/5	2	-	35
3/5	2	2	105
4/5	2	-	35
5/5	2	2	105
6/5	2	2	105
7/5	2	2	105
	TOTAL #10 COND. - CIRCUIT 5:		595

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 6							
CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
6-1	6	LC-3	PB17	6	2	12	6
6-2	6	PB17	PED 1/6	48	2	96	48
6-3	6	PED 1/6	COMBO 2/6	60	2	120	60
6-4	6	COMBO 2/6	COMBO 3/6	103	2	206	103
6-5	6	COMBO 3/6	PED 4/6	114	2	228	114
6-6	6	PED 4/6	COMBO 5/6	54	2	108	54
6-7	6	COMBO 5/6	PB15	18	2	36	18
6-8	6	PB15	PED 6/6	84	2	168	84
6-9	6	PED 6/6	PED 7/6	39	2	78	39
6-10	6	PB18	PED 7/6	76	2		76
			TOTALS:	602	-	1052	602

ST. LIGHT WIRING QUANITITES - CIRCUIT 6			
ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/6	2	-	35
2/6	2	2	105
3/6	2	2	105
4/6	2	-	35
5/6	2	2	105
6/6	2	-	35
7/6	2	-	35
	TOTAL #10 COND. - CIRCUIT 5:		455

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 7							
CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
7-1	7	LC-3	PB17	6	2	12	6
7-2	7	PB17	PB18	43	2	86	43
7-3	7	PB16	PB17	39	2	78	39
7-4	7	PED 1/7	PB19	75	2	150	75
7-5	7	PB19	PED 2/7	26	2	52	26
7-6	7	PED 2/7	COMBO 3/7	64	2	128	64
7-7	7	COMBO 3/7	PED 4/7	79	2	158	79
7-8	7	PED 4/7	COMBO 5/7	84	2	168	84
7-9	7	COMBO 5/7	PED 6/7	57	2	114	57
7-10	7	PED 6/7	PB20	4	2	8	4
7-11	7	PB20	PED 7/7	68	2	136	68
			TOTALS:	545	-	1090	545

ST. LIGHT WIRING QUANITITES - CIRCUIT 7			
ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/7	2	-	35
2/7	2	-	35
3/7	2	2	105
4/7	2	-	35
5/7	2	2	105
6/7	2	-	35
7/7	2	-	35
	TOTAL #10 COND. - CIRCUIT 7:		385

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 8							
CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
8-1	8	LC-3	PB17	6	2	12	6
8-2	8	PB17	PB16	99	2	198	99
8-3	8	PB16	PB19	44	2	88	44
8-4	8	PB19	PB20	296	2	592	296
8-6	8	PB48	PED 1/8	38	2	76	38
8-7	8	PED 1/8	PB21	83	2	166	83
8-8	8	PB21	COMBO 2/8	8	2	16	8
8-9	8	COMBO 2/8	PED 3/8	38	2	76	38
8-10	8	PED 3/8	COMBO 4/8	64	2	128	64
8-11	8	COMBO 4/8	PED 5/8	96	2	192	96
8-12	8	PED 5/8	COMBO 6/8	74	2	148	74
8-13	8	COMBO 6/8	PB22	12	2	24	12
8-14	8	PB22	PED 7/8	115	2	230	115
			TOTALS:	973	26	1946	973

ST. LIGHT WIRING QUANITITES - CIRCUIT 8			
ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/8	2	-	35
2/8	2	2	105
3/8	2	-	35
4/8	2	2	105
5/8	2	-	35
6/8	2	2	105
7/8	2	-	35
	TOTAL #10 COND. - CIRCUIT 8:		455

AS BUILT INFORMATION

	CONTRACTOR	DATE 8/12
	IBWSP ELECTRIC	
WORK DONE BY:	SMMA	DATE 8/12
INSPECTOR'S FIELD COMPLIANCE BY:	CDA	DATE 8/12
VERIFICATION OF AS-BUILTS BY:	CDA	DATE 8/12
CORRECTED BY:	HDR ENGINEERING	DATE 8/12

MICRO—FILM INFORMATION

RECORDED BY:

NO.

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329 GROUND TO GRID FACTOR: 0.999864599 NORTHING = 1483955.175 EASTING = 1538790.908

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT L. LUNA — 14552 — REGISTERED PROFESSIONAL ENGINEER — NEW MEXICO

NO.	DATE	REMARKS	BY
1	09/2012	AS-BUILT	

REVISIONS

HDR ENGINEERING INC.

DESIGNED BY: RC DATE: 12/10

DRAWN BY: RC DATE: 12/10

CHECKED BY: RLL DATE: 12/10

2155 LOUISIANA BLVD., NE
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ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

CONDUIT AND CONDUCTOR SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 36R Of 51

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

Date: Oct 31, 2012 - 3:29pm dmgutier Layout: Sheet
Drawing Name: C:\Users\dmgutier\Documents\projects\2445B_SB-CC-0002.dwg

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 9

CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
S4-1	POWER	S4	LC-4	20	3	60	20
9-1	9	LC-4	PB26	6	2	12	6
9-3	9	PB26	PB25	67	2	134	67
9-4	9	PB25	PED 1/9	143	2	286	143
9-5	9	PED 1/9	PED 2/9	55	2	110	55
9-6	9	PED 2/9	COMBO 3/9	125	2	250	125
9-7	9	COMBO 3/9	PED 4/9	62	2	124	62
9-8	9	PED 4/9	COMBO 5/9	72	2	144	72
9-9	9	COMBO 5/9	PED 6/9	60	2	120	60
9-10	9	PED 6/9	PB24	22	2	44	22
9-11	9	PB24	PED 7/9	31	2	62	31
9-12	9	PED 7/9	PED 8/9	130	2	260	130
9-13	9	PB23	PB34	43	2	86	43
9-14	9	PED 9/9	PED 10/9	130	2	260	130
9-15	9	PED 10/9	PB23	51	2	102	51
9-16	9	PB23	COMBO 11/9	13	2	26	13
9-17	9	COMBO 11/9	PED 12/9	79	2	158	79
9-18	9	PED 12/9	COMBO 13/9	60	2	120	60
9-19	9	COMBO 13/9	PED 14/9	95	2	190	95
9-2	9	PED 9/2	PB31				
			TOTALS:	1264	-	2548	1264

ST. LIGHT WIRING QUANITITES - CIRCUIT 9

ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/9	2	-	35
2/9	2	-	35
3/9	2	2	105
4/9	2	-	35
5/9	2	2	105
6/9	2	-	35
7/9	2	-	35
8/9	2	-	35
9/9	2	-	35
10/9	2	-	35
11/9	2	2	105
12/9	2	-	35
13/9	2	2	105
14/9	2	-	35
		TOTAL #10 COND. - CIRCUIT 9:	770

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 10

CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
10-1	10	LC-4	PB26	6	2	12	6
10-2	10	PB26	PED 1/10	92	2	184	92
10-4	10	PB26	PED 2/10	36	2	72	36
10-5	10	PED 2/10	PB27	38	2	76	38
10-6	10	PB27	COMBO 3/10	18	2	36	18
10-7	10	COMBO 3/10	PED 4/10	75	2	150	75
10-8	10	PED 4/10	COMBO 5/10	78	2	156	78
10-9	10	COMBO 5/10	PED 6/10	78	2	156	78
10-10	10	PED 6/10	COMBO 7/10	79	2	158	79
10-11	10	COMBO 7/10	PB28	21	2	42	21
10-12	10	PB28	PED 8/10	65	2	130	65
10-13	10	PED 8/10	PED 9/10	100	2	200	100
10-14	10	PED 9/10	PED 10/10	53	2	106	53
10-15	10	PED 10/10	PED 11/10	100	2	200	100
10-16	10	PED 11/10	PB29	66	2	132	66
10-17	10	PB29	PED 12/10	8	2	16	8
10-18	10	PED 12/10	COMBO 13/10	76	2	152	76
			TOTALS:	989	-	1978	989

ST. LIGHT WIRING QUANITITES - CIRCUIT 10

ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/10	2	-	35
2/10	2	-	35
3/10	2	2	105
4/10	2	-	35
5/10	2	2	105
6/10	2	-	35
7/10	2	2	105
8/10	2	-	35
9/10	2	-	35
10/10	2	-	35
11/10	2	-	35
12/10	2	-	35
13/10	2	2	105
		TOTAL #10 COND. - CIRCUIT 10:	735

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 11

CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
S5-1	POWER	S5	LC5	55	3	165	55
11-1	11	PB34	PED A/11	15	2	30	15
11-2	11	PED A/11	PB33	87	2	174	87
11-3	11	PB33	COMBO 1/11	24	2	48	24
11-4	11	COMBO 1/11	PED 2/11	86	2	172	86
11-5	11	PED 2/11	COMBO 3/11	90	2	180	90
11-6	11	COMBO 3/11	PED 4/11	66	2	132	66
11-7	11	PED 4/11	COMBO 5/11	49	2	98	49
11-8	11	COMBO 5/11	PB32	39	2	78	39
11-9	11	PB32	PED 6/11	66	2	132	66
11-10	11	PED 6/11	PB31	40	2	80	40
11-11	11	PB31	PED 7/11	20	2	40	20
11-12	11	PED 7/11	PB30	108	2	216	108
11-13	11	PB30	COMBO 8/11	99	2	198	99
11-14	11	COMBO 8/11	PED 9/11	88	2	176	88
11-A	11	LC-5	PB34				
			TOTALS:	932	-	1919	932

ST. LIGHT WIRING QUANITITES - CIRCUIT 11

ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/11	2	2	105
2/11	2	-	35
3/11	2	2	105
4/11	2	-	35
5/11	2	2	105
6/11	2	-	35
7/11	2	-	35
8/11	2	2	105
9/11	2	-	35
		TOTAL #10 COND. - CIRCUIT 5:	595

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 12

CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
12-1	12	LC-5	PB34	15	2	30	15
12-3	12	PB34	PED 2/12	42	2	84	42
12-4	12	PED 2/12	PB35	70	2	140	70
12-5	12	PB35	PED 3/12	18	2	36	18
12-6	12	PED 3/12	COMBO 4/12	93	2	186	93
12-7	12	COMBO 4/12	PED 5/12	84	2	168	84
12-8	12	PED 5/12	COMBO 6/12	79	2	158	79
12-9	12	COMBO 6/12	PED 7/12	59	2	118	59
12-10	12	PED 7/12	PB36	18	2	36	18
12-11	12	PB36	PED 8/12	47	2	94	47
12-12	12	PED 8/12	PED 9/12	137	2	274	137
12-13	12	PB36	PB37	68	2	136	68
12-14	12	PED 10/12	PED 11/12	138	2	276	138
12-15	12	PED 11/12	PB37	43	2	86	43
12-16	12	PB37	COMBO 12/12	18	2	36	18
12-17	12	COMBO 12/12	PED 13/12	63	2	126	63
12-18	12	PED 13/12	COMBO 14/12	74	2	148	74
12-19	12	COMBO 14/12	PED 15/12	72	2	144	72
			TOTALS:	1138	-	2276	1138

NOTE: PB-36, 37, 30, 32, 28, 29 ARE EXISTING TRAFFIC SIGNAL MANHOLES WITH IC FIBER REMOVED.

ST. LIGHT WIRING QUANITITES - CIRCUIT 12

ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/12	2	-	35
2/12	2	-	35
3/12	2	-	35
4/12	2	2	105
5/12	2	-	35
6/12	2	2	105
7/12	2	-	35
8/12	2	-	35
9/12	2	-	35
10/12	2	-	35
11/12	2	-	35
12/12	2	2	105
13/12	2	-	35
14/12	2	2	105
15/12	2	-	35
		TOTAL #10 COND. - CIRCUIT 5:	805

AS BUILT INFORMATION

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE. NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483955.175
EASTING = 1538790.908

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

CONTRACTOR: RIGGY ENTERPRISE DATE 8/12
WORK INSPECTED BY: SMAA DATE 8/12
INSPECTOR'S ACCEPTANCE BY: COA DATE 8/12
VERIFICATION BY: COA DATE 8/12
DRAWINGS CONVERTED BY: HDR ENGINEERING DATE 8/12
MICRO-FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
ROBERT L. LUNA
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS
1.	09/2012	AS-BUILT

REVISIONS
HDR ENGINEERING INC.
DESIGNED BY: RC DATE: 12/10
DRAWN BY: RC DATE: 12/10
CHECKED BY: RLL DATE: 12/10

2155 LOUISIANA BLVD., NE
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ALBUQUERQUE, NM 87110
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FAX: (505) 830-3454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
CONDUIT AND CONDUCTOR SCHEDULES

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 37R Of 51

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

Date: Oct 31, 2012 - 3:20pm angular Layout: Sheet
Drawing Name: C:\pw-working\d0243858\l12442858-37-2C503.dwg

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 13							
CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
S6-1	POWER	S6	LC6	15	3	45	15
13-1	13	LC6	PB45	12	2	24	12
13-3	13	PB45	PB43	47	2	94	47
13-4	13	PB43	PB42	304	2	608	304
13-5	13	PB42	PB40	53	2	106	53
13-6	13	PB40	PED 1/13	12	2	24	12
13-7	13	PED 1/13	COMBO 2/13	63	2	126	63
13-8	13	COMBO 2/13	PED 3/13	98	2	196	98
13-9	13	PED 3/13	COMBO 4/13	57	2	114	57
13-10	13	COMBO 4/13	PED 5/13	67	2	134	67
13-11	13	PED 5/13	PB39	15	2	30	15
13-12	13	PB39	COMBO 6/13	77	2	154	77
13-13	13	COMBO 6/13	PED 7/13	94	2	188	94
13-14	13	PED 7/13	PB38	55	2	110	55
13-15	13	PB38	PED 8/13	96	2	192	96
13-16	13	PED 8/13	COMBO 9/13	68	2	136	68
			TOTALS:	1133	-	2281	1133

ST. LIGHT WIRING QUANITITES - CIRCUIT 13			
ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/13	2	-	35
2/13	2	2	105
3/13	2	-	35
4/13	2	2	105
5/13	2	-	35
6/13	2	2	105
7/13	2	-	35
8/13	2	-	35
9/13	2	2	105
TOTAL #10 COND. - CIRCUIT 5:			595

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 14							
CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
14-1	14	LC6	PB45	12	2	24	12
14-2	14	PB44	PED 1/14	23	2	46	23
14-3	14	PB43	PB45	41	2	82	41
14-4	14	PED 2/14	PB43	46	2	92	46
14-5	14	PB43	COMBO 3/14	13	2	26	13
14-6	14	COMBO 3/14	PED 4/14	83	2	166	83
14-7	14	PED 4/14	COMBO 5/14	83	2	166	83
14-8	14	COMBO 5/14	PED 6/14	70	2	140	70
14-10	14	COMBO 7/14	PB42	28	2	56	28
14-11	14	PB42	PED 8/14	47	2	94	47
14-13	14	PED 8/14	PED 9/14	44	2	88	44
			TOTALS:	490	-	980	490

ST. LIGHT WIRING QUANITITES - CIRCUIT 14			
ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/14	2	-	35
2/14	2	-	35
3/14	2	2	105
4/14	2	-	35
5/14	2	2	105
6/14	2	-	35
7/14	2	2	105
8/14	2	-	35
9/14	2	-	35
TOTAL #10 COND. - CIRCUIT 5:			525

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 15							
CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
15-1	15	LC6	PB45	12	2	24	12
15-3	15	PB45	PED 1/15	9	2	18	9
15-4	15	PED 1/15	COMBO 2/15	61	2	122	61
15-5	15	COMBO 2/15	PED 3/15	54	2	108	54
15-6	15	PED 3/15	COMBO 4/15	53	2	106	53
15-7	15	COMBO 4/15	PED 5/15	67	2	134	67
15-8	15	PED 5/15	COMBO 6/15	66	2	132	66
15-9	15	COMBO 6/15	PB46	11	2	22	11
15-10	15	PB46	PED 7/15	101	2	202	101
15-11	15	PB46	PB47	42	2	84	42
15-12	15	PB47	PED 8/15				
			TOTALS:	476	-	952	476

ST. LIGHT WIRING QUANITITES - CIRCUIT 15			
ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/15	2	-	35
2/15	2	2	105
3/15	2	-	35
4/15	2	2	105
5/15	2	-	35
6/15	2	2	105
7/15	2	-	35
8/15	2	-	35
TOTAL #10 COND. - CIRCUIT 5:			490

CONDUIT RUN/CONDUCTOR QUANTITIES - CIRCUIT 16							
CONDUIT RUN	CIRCUIT #	FROM	TO	LENGTH	#2 COND.	TOTAL #2	2" CONDUIT
16-1	16	LC6	PB45	12	2	24	12
16-3	16	PB45	PB46	322	2	644	322
16-4	16	PB46	PB47	53	2	106	53
16-5	16	PB47	PED 1/16	8	2	16	8
16-6	16	PED 1/16	COMBO 2/16	63	2	126	63
16-7	16	COMBO 2/16	PED 3/16	66	2	132	66
16-8	16	PED 3/16	COMBO 4/16	72	2	144	72
16-9	16	COMBO 4/16	PED 5/16	86	2	172	86
16-10	16	PED 5/16	PED 6/16	55	2	110	55
16-11	16	PED 6/16	PED 7/16	127	2	254	127
			TOTALS:	864	-	1728	864

ST. LIGHT WIRING QUANITITES - CIRCUIT 16			
ST. LIGHT	#10 COND. 15'	#10 COND. 30'	TOTAL #10
1/16	2	-	35
2/16	2	2	105
3/16	2	-	35
4/16	2	2	105
5/16	2	-	35
6/16	2	-	105
7/16	2	-	35
TOTAL #10 COND. - CIRCUIT 5:			455

AS BUILT INFORMATION

CONTRACTOR BIXBY ELECTRIC DATE 8/12

WORK STAKED BY: SMMA DATE 8/12

ACCEPTANCE BY: COA DATE 8/12

VERIFICATION BY: COA

DRAWINGS CORRECTED BY: HDR ENGINEERING DATE 8/12

MICRO-FILM INFORMATION

RECORDED BY

NO.

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329 GROUND TO GRID FACTOR: 0.999864599 NORTHING = 1483955.175 EASTING = 1538790.908

SURVEY INFORMATION

NO.	BY	DATE	FIELD NOTES

ENGINEER'S SEAL

ROBERT L. LUNA 21500 REGISTERED NEW MEXICO PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	09/2012	AS-BUILT	

REVISIONS

HDR ENGINEERING INC.

DESIGNED BY: RC DATE: 12/10

DRAWN BY: RC DATE: 12/10

CHECKED BY: RLL DATE: 12/10

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

HDR ENGINEERING INC. ONE COMPANY *Many Solutions*

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

CONDUIT AND CONDUCTOR SCHEDULES

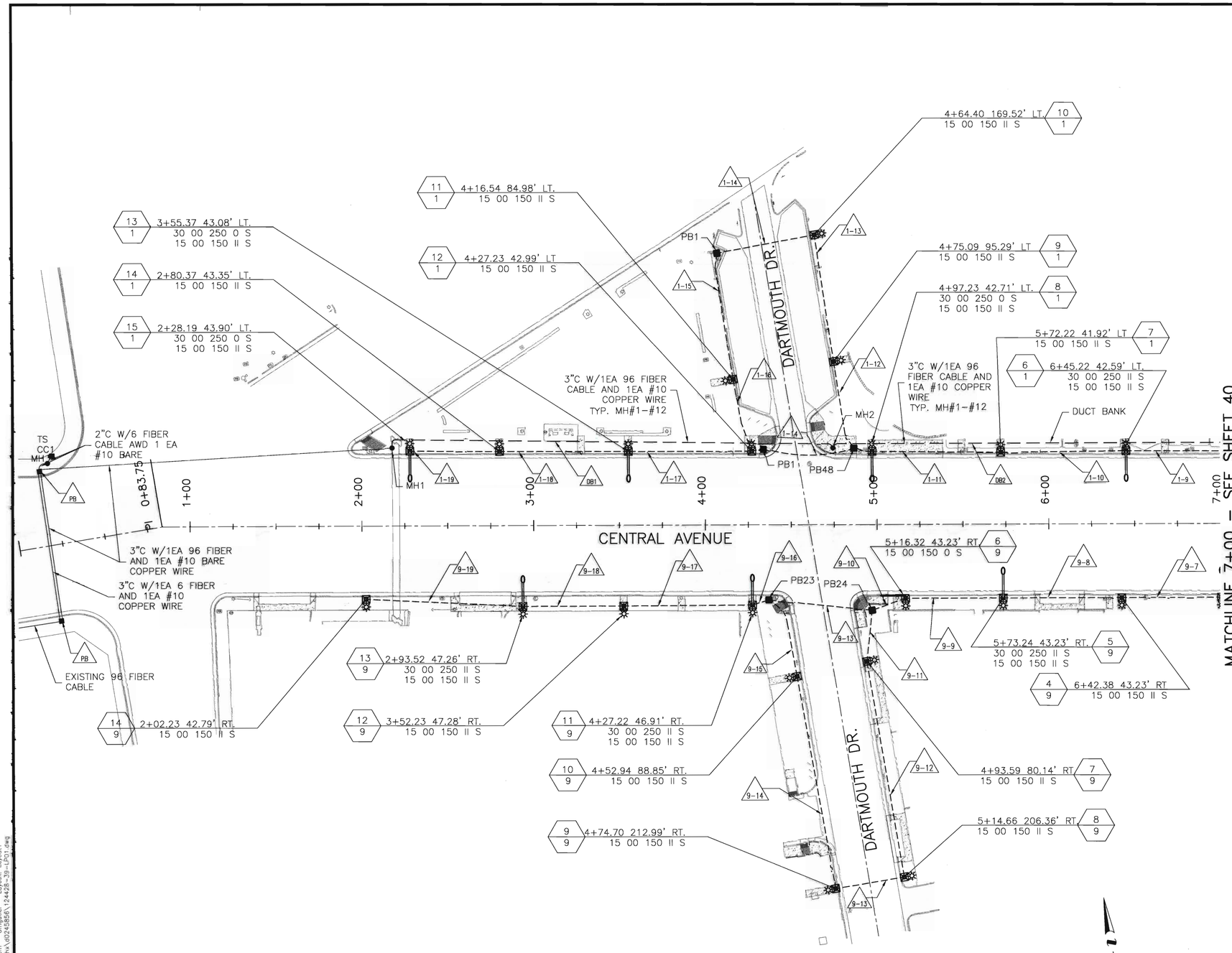
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 38R Of 51

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

Date: Oct 31, 2012 - 3:30pm omgutier Layout: Sheet
Drawing Name: O:\planning\gmc\05256501\124125-38-CDS04.dwg



LIGHTING LEGEND

NEW	EXISTING	ITEM
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		CONDUIT RUN
		DUCT BANK
		PULLBOX
		SERVICE POLE WITH RISER
LC–X	LC–X	LIGHTING CABINET
		MANHOLE
X–XX		LIGHTING CONDUIT
DBX		DUCT BANK
BCX		BRANCH CONDUIT
SX		SERVICE RISER
SV		FIBER SPLICE VAULT
PB		FIBER PULL BOX

LUMINAIRE NUMBER
STATIONING 00–00–000–0–S
CIRCUIT NUMBER
TYPE OF LAMP (SODIUM)
TYPE OF DISTRIBUTION
WATTAGE
ARM LENGTH (SEE DETAILS)
MOUNTING HEIGHT

AS BUILT INFORMATION

CONTRACTOR	BNBY ELECTRIC	DATE 8/12
WORK PERFORMED BY	SMAA	DATE 8/12
INSPECTOR'S FIELD CHANGE BY	CDA	DATE 8/12
VERIFICATION BY	CDA	DATE 8/12
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE 8/12

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6–K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE

MICRO–FILM INFORMATION

RECORDED BY:
NO.:
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999864599
NORTHING = 1483955.175
EASTING = 1538790.906

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT L. LIMA 14502 REGISTERED PROFESSIONAL ENGINEER NEW MEXICO

NO.	DATE	BY	REMARKS
1	09/2012	AS–BUILT	

REVISIONS

HDR ENGINEERING INC.
DESIGNED BY: RC DATE: 12/10
DRAWN BY: RC DATE: 12/10
CHECKED BY: RLL DATE: 12/10

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
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HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT**
CENTRAL AVE. STA 0+00 – STA 7+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K–16, K–17 | Sheet 39R Of 51

Date: Oct 31, 2012 – 3:30pm computer: Layout: Layout1
Drawing Name: C:\pwwork\cjohn\d0243858\124428–39–LP01.dwg

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

RICHMOND DR.

BRYN MAWR DR.

CENTRAL AVENUE

SEE SHEET 39

SEE SHEET 41

MATCHLINE 7+00

MATCHLINE 14+00

8+40.54 184.26' LT. 1/1 — 15 00 150 II S

7+87.10 146.05' LT. 2/1 — 15 00 150 II S

8+54.44 102.14' LT. 1/2 — 15 00 150 II S

7+96.46 89.35' LT. 3/1 — 15 00 150 II S

8+75.13 42.72 LT. 2/2 — 15 00 150 II S

7+93.21 41.08' LT. 4/1 — 30 00 250 II S, 15 00 150 II S

9+53.16 42.58' RT. 3/2 — 30 00 250 II S, 15 00 150 II S

7+15.22 42.38' LT. 5/1 — 15 00 150 II S

10+11.81 42.61' LT. 4/2 — 15 00 150 II S

11+62.02 188.25' LT. 8/2 — 15 00 150 II S

11+72.39 127.70' LT. 7/2 — 15 00 150 II S

11+66.81 42.53' LT. 6/2 — 15 00 150 II S

10+76.81 42.60' LT. 5/2 — 30 00 250 II S, 15 00 150 II S

12+01.93 187.89' LT. 9/2 — 15 00 150 II S

12+22.55 95.29' LT. 10/2 — 15 00 150 II S

12+62.35 42.46' LT. 11/2 — 30 00 250 II S, 15 00 150 II S

13+14.81 42.56' LT. 12/2 — 15 00 150 II S

13+87.81 42.57' LT. 13/2 — 30 00 250 II S, 15 00 150 II S

13+98.80 43.41' RT. 9/11 — 15 00 150 II S

7+00.38 43.16' RT. 3/9 — 30 00 250 II S, 15 00 150 II S

8+98.47 46.38' RT. 3/10 — 30 00 250 II S, 15 00 150 II S

11+15.78 43.66 RT. 6/10 — 15 00 150 II S

13+38.80 43.34' RT. 13/10 — 30 00 250 II S, 15 00 150 II S

8+18.22 41.46' RT. 2/9 — 15 00 150 II S

9+67.59 43.34' RT. 4/10 — 15 00 150 II S

10+41.26 43.34' RT. 5/10 — 30 00 250 II S, 15 00 150 II S

11+90.52 43.76' RT. 7/10 — 30 00 250 0 0S, 15 00 150 II S

12+65.77 43.34' RT. 12/10 — 15 00 150 II S

12+66.03 110.27' RT. 11/10 — 15 00 150 II S

12+82.75 206.49' RT. 10/10 — 15 00 150 II S

8+22.07 90.61' RT. 1/9 — 15 00 150 II S

8+85.49 81.41' RT. 2/10 — 15 00 150 II S

12+17.922 116.75' RT. 8/10 — 15 00 150 II S

12+33.38 212.55' RT. 9/10 — 15 00 150 II S

9+08.85 219.92' RT. 1/10 — 15 00 150 II S

LC-1, LC-4, CC1, S1, S1-1, S4, S4-1

PB2, PB3, PB4, PB5, PB6, PB25, PB26, PB27, PB28, PB29, PB31

DB2, DB4

MH4

3"C W/1EA 96 FIBER CABLE AND 1EA #10 COPPER WIRE TYP. MH#1-#12

DUCT BANK

SEE DETAIL 1 BELOW REMOVE MH3 INSTALL SPLICE VAULT

8+00, 9+00, 10+00, 11+00, 12+00, 13+00, 14+00

LIGHTING LEGEND

NEW	EXISTING	ITEM
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		CONDUIT RUN
		DUCT BANK
		PULLBOX
		SERVICE POLE WITH RISER
LC-X	LC-X	LIGHTING CABINET
		MANHOLE
X-XX		LIGHTING CONDUIT
DBX		DUCT BANK
BCX		BRANCH CONDUIT
SX		SERVICE RISER

LUMINAIRE NUMBER

STATIONING

CIRCUIT NUMBER

00-00-000-0-S

TYPE OF LAMP (SODIUM)

TYPE OF DISTRIBUTION

WATTAGE

ARM LENGTH (SEE DETAILS)

MOUNTING HEIGHT

DETAIL 1
NTS

CC1

NEW SPARE 3"C (TS)

EXISTING 2" (TS) PP1

STUBBED BELOW SIDEWALK ON WEST SIDE OF PP1

2"C W/1EA 6 FIBER CABLE AND 1 #10 CU

NEW SPARES 2EA 2"C TO MH4

TO MH2

SV

FUTURE PP1 LOCATION

30 15 0 30 60

SCALE: 1" = 30'

AS BUILT INFORMATION

CONTRACTOR BY/BY ELECTRIC DATE 8/12

WORK INSPECTED BY SMAA DATE 8/12

INSPECTOR'S ACCEPTANCE BY COA DATE 8/12

VERIFICATION BY COA DATE 8/12

CORRECTED BY HDR ENGINEERING DATE 8/12

MICRO-FILM INFORMATION

RECORDED BY

NO.

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "5-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329 GROUND TO GRID FACTOR: 0.999664569 NORTHING = 1483955.175 EASTING = 1538790.908

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT L. LINK 14502 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
1	09/2012	AS-BUILT	

REVISIONS

HDR ENGINEERING INC.

DESIGNED BY: RC DATE: 12/10

DRAWN BY: RC DATE: 12/10

CHECKED BY: RLL DATE: 12/10

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

HDR ENGINEERING INC. ONE COMPANY *Many Solutions*

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

CENTRAL AVE. STA 7+00 – STA 14+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 40R Of 51

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

Date: Oct 31, 2012 - 1:38pm computer Layout Layout1
Drawing Name: C:\Users\rlink\AppData\Local\Temp\AcPublish_9x428\Layout1.dwg

MATCHLINE 14+00 — SEE SHEET 40

MATCHLINE 21+00 — SEE SHEET 42

WELLESLEY DR.

TULANE DR.

CENTRAL AVENUE

11 / 3 15+52.28 87.77' LT. 15 00 150 II S

12 / 3 15+50.81 42.68' LT. 30 00 250 II S 15 00 150 II S

14+62.81 42.58' LT. 15 00 150 II S — 13 / 3

15+99.04 95.41' LT. 15 00 150 II S — 10 / 3

16+34.29 42.81' LT. 15 00 150 0S — 9 / 3

8 / 3 17+07.98 42.56' LT. 30 00 250 II S 15 00 150 II S

17+79.98 42.56' LT. 15 00 150 II S — 7 / 3

4 / 3 19+27.84 108.56' LT. 15 00 150 II S

5 / 3 19+32.99 42.70' LT. 15 00 150 II S

6 / 3 18+54.99 42.55' LT. 30 00 250 II S 15 00 150 II S

19+80.19 124.76' LT. 15 00 150 II S — 3 / 3

20+20.88 42.84' LT. 30 00 250 II S 15 00 150 II S — 2 / 3

1 / 3 20+84.98 42.57' LT. 15 00 150 II S

2" C W/1EA. 6 FIBER CABLE AND 1EA #10 CU WIRE

INSTALL SPLICE VAULT

3"C W/1EA 96 FIBER CABLE AND 1EA #10 COPPER WIRE TYP. MH#1–#12

3"C W/1EA 96 FIBER CABLE AND 1EA #10 COPPER WIRE TYP. MH#1–#12

3"C W/1EA 96 FIBER CABLE AND 1EA #10 COPPER WIRE TYP. MH#1–#12

CC1 PB44 PB7 MH5 MH6 PB8 PB9

DUCT BANK

DB4 DB5 DB6

3-14 3-15 3-16 3-17 3-18 3-19 3-13 3-12 3-11 3-10 3-9 3-8 3-7 3-6 3-5 3-4

15+00 16+00 17+00 18+00 19+00 20+00 21+00

8 / 11 14+82.80 43.79' RT. 30 00 250 II S 15 00 150 II S

1 / 11 19+41.67 45.73' RT. 30 00 250 II S 15 00 150 II S

20+19.39 42.91' RT. 15 00 150 II S — 3 / 12

2 / 11 18+57.97 43.51' RT. 15 00 150 II S

17+70.97 43.19' RT. 30 00 250 II S 15 00 150 II S — 3 / 11

A / 11 19+80.67 128.21' RT. 15 00 150 II S

20+19.98 121.35' RT. 15 00 150 II S — 2 / 12

17+07.97 43.51' RT. 15 00 150 II S — 4 / 11

16+61.48 43.38' RT. 30 00 250 II S 15 00 150 II S — 5 / 11

16+38.73 123.66' RT. 15 00 150 II S — 6 / 11

7 / 11 16+03.24 148.00' RT. 15 00 150 II S

PB30 PB31 PB32 PB33 PB34 PB35

LIGHTING MANHOLE

LIGHTING MANHOLE

1¼"C

S5 S5-1 LC-5

11-1 11-2 11-3 11-4 11-5 11-6 11-7 11-8 11-9 11-10 11-11 11-12 11-13 11-14 11-A 12-1 12-2 12-3 12-4 12-5 12-6

30 15 0 30 60

SCALE: 1" = 30'

LIGHTING LEGEND

NEW	EXISTING	ITEM
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		CONDUIT RUN
		DUCT BANK
■	■	PULLBOX
●	○	SERVICE POLE WITH RISER
LC–X	LC–X	LIGHTING CABINET
●	●	MANHOLE
X–XX		LIGHTING CONDUIT
DBX		DUCT BANK
BCX		BRANCH CONDUIT
SX		SERVICE RISER

LUMINAIRE NUMBER

STATIONING 00–00–000–0–S

CIRCUIT NUMBER

TYPE OF LAMP (SODIUM)

TYPE OF DISTRIBUTION

WATTAGE

ARM LENGTH (SEE DETAILS)

MOUNTING HEIGHT

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6–K18A ACS". NOTE: NMSP
COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483955.175
EASTING = 1538790.908

AS BUILT INFORMATION

CONTRACTOR	DATE
WORK STAKED BY	DATE
INSPECTOR'S ACCEPTANCE BY	DATE
AS BUILT VERIFICATION BY	DATE
DRAWING COMPILED BY	DATE

MICRO–FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
ROBERT L. LUNA
14596
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO

NO.	DATE	REMARKS	BY
1.	09/2012	AS–BUILT	RLL

REVISIONS

HDR ENGINEERING INC.
DESIGNED BY: RC DATE: 12/10
DRAWN BY: RC DATE: 12/10
CHECKED BY: RLL DATE: 12/10

2155 LOUISIANA BLVD., NE
SUITE 3000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454

HDR ENGINEERING INC. ONE COMPANY *Many Solutions*

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

CENTRAL AVE. STA 14+00 – STA 21+00

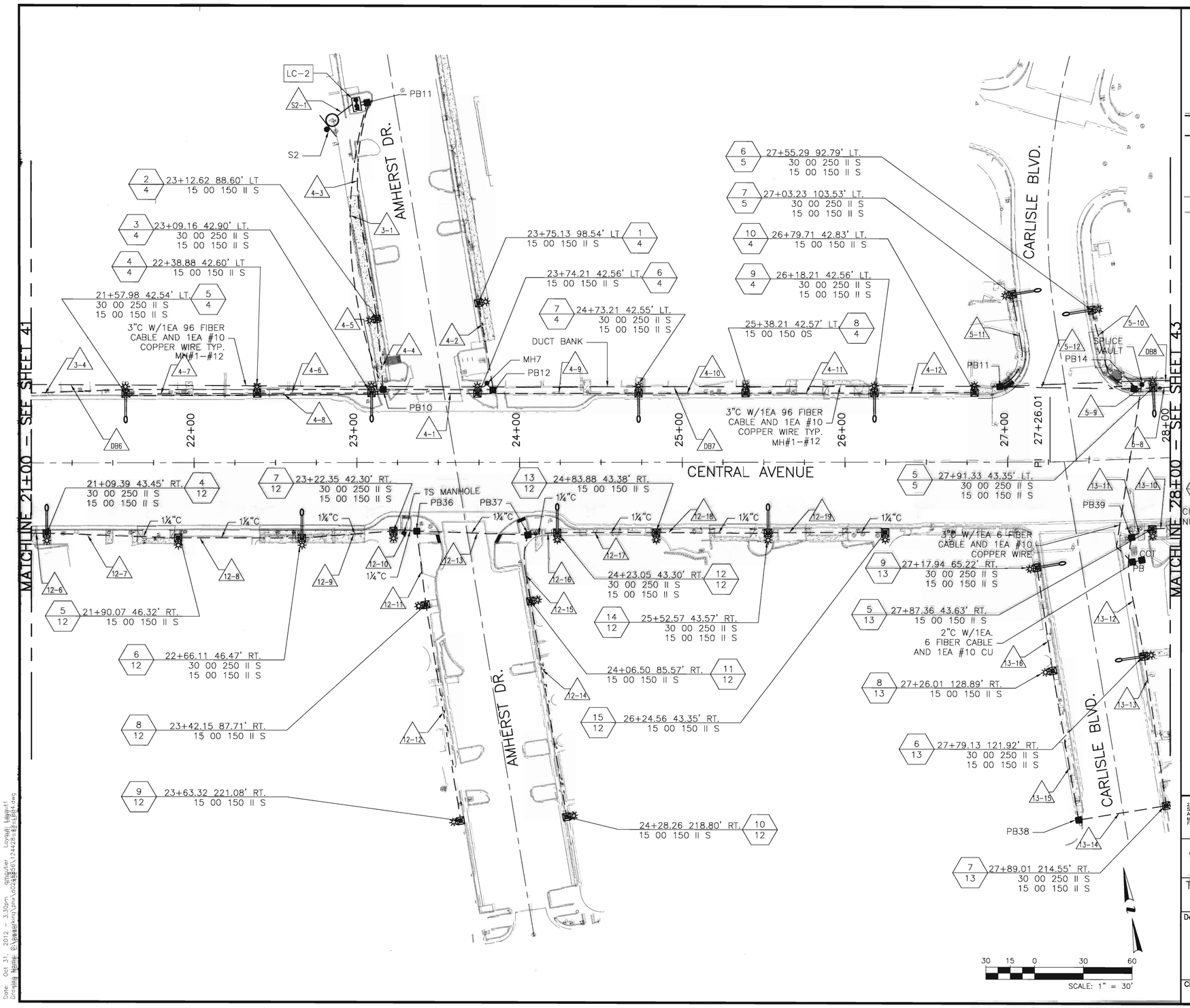
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K–16, K–17 | Sheet 41R Of 51

Date: Oct 31, 2012 – 3:30pm smeyer Layout: Layout1
Drawing Name: C:\Lwork\proj\prn\d02458sh\12428-41-Lt0431.dwg

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING



LIGHTING LEGEND

NEW	EXISTING	ITEM
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		CONDUIT RUN
		DUCT BANK
		PULLBOX
		SERVICE POLE WITH RISER
LC-X	LG-X	LIGHTING CABINET
		MANHOLE
X-XX		LIGHTING CONDUIT
DBX		DUCT BANK
BCX		BRANCH CONDUIT
SX		SERVICE RISER

LUMINAIRE NUMBER
STATIONING
00-00-000-0-S
CIRCUIT NUMBER
TYPE OF LAMP (SODIUM)
TYPE OF DISTRIBUTION
WATTAGE
ARM LENGTH
MOUNTING HEIGHT

AS BUILT INFORMATION

	CONTRACTOR	DATE
WORK PERFORMED BY	BYRD ELECTRIC	DATE 8/12
INSPECTORS FIELD ACCEPTANCE BY	SM&A	DATE 8/12
VERIFICATION BY	CDA	DATE 8/12
AS-BUILTS CORRECTED BY	HDR ENGINEERING	DATE 8/12

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE

MICRO-FILM INFORMATION

RECORDED BY
NO.
GROUND TO GRID FACTOR: 0.999664599
NAVD 1988 ELEV. = 5247.329
NORTHING = 1483955.175
EASTING = 1538790.908

SURVEY INFORMATION

FIELD NOTES BY
NO. DATE

ENGINEER'S SEAL

ROBERT L. LUNA 14503 REGISTERED PROFESSIONAL ENGINEER STATE OF NEW MEXICO

REVISIONS

NO.	DATE	REMARKS	BY
1	09/2012	AS-BUILT	

DESIGNED BY: RC DATE: 12/10
DRAWN BY: RC DATE: 12/10
CHECKED BY: RLL DATE: 12/10

HDR ENGINEERING INC.
2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454
ONE COMPANY Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: **CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT**
CENTRAL AVE. STA 21+00 – STA 28+00

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 42R Of 51

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING

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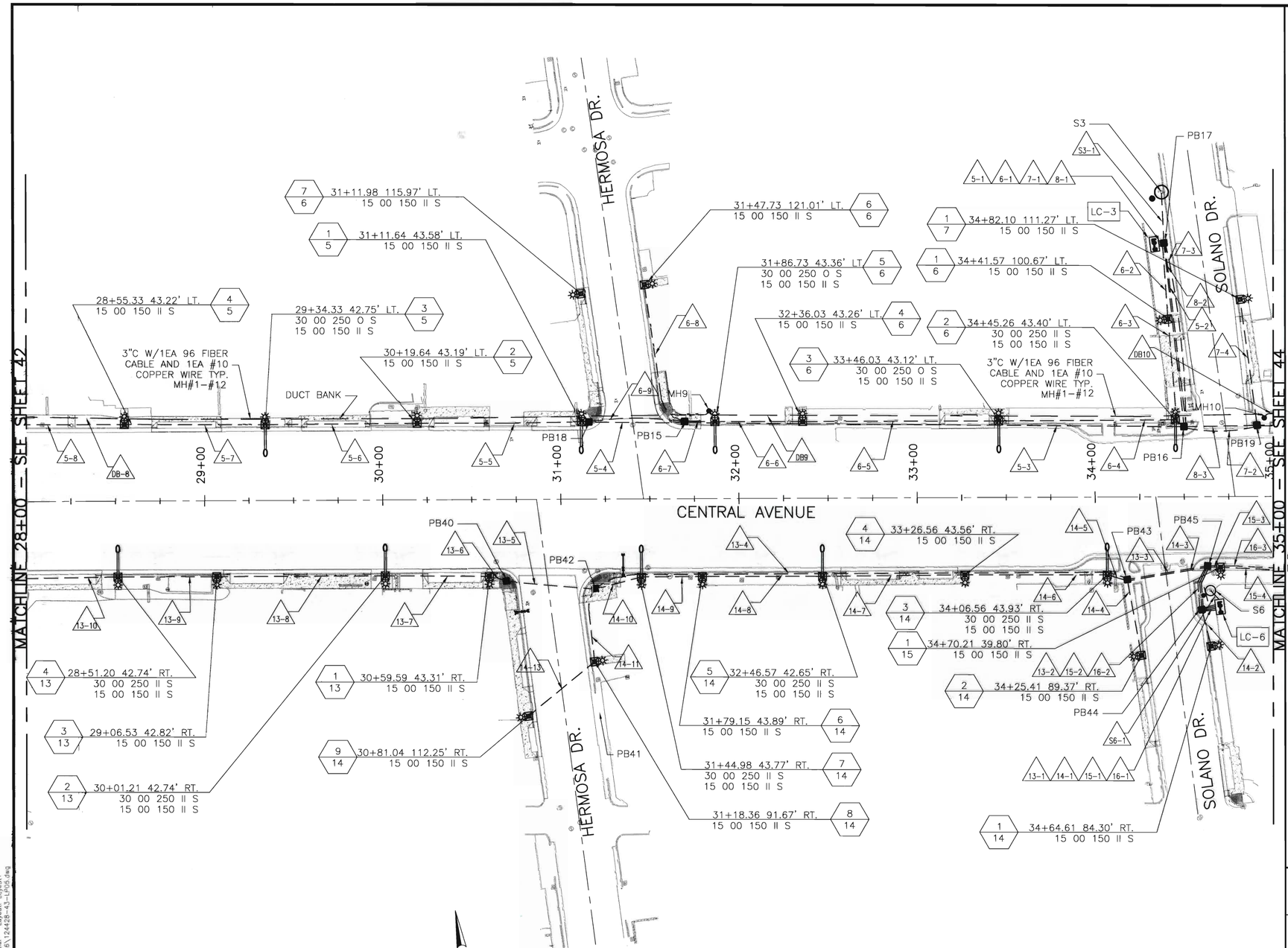


LIGHTING LEGEND

NEW	EXISTING	ITEM
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		CONDUIT RUN
		DUCT BANK
		PULLBOX
		SERVICE POLE WITH RISER
LC–X	LC–X	LIGHTING CABINET
		MANHOLE
X–XX		LIGHTING CONDUIT
DBX		DUCT BANK
BCX		BRANCH CONDUIT
SX		SERVICE RISER

LUMINAIRE NUMBER
STATIONING 00–00–000–0–S
CIRCUIT NUMBER
TYPE OF LAMP (SODIUM)
TYPE OF DISTRIBUTION
WATTAGE
ARM LENGTH
MOUNTING HEIGHT

AS BUILT INFORMATION

	CONTRACTOR	BKBY ELECTRIC	DATE 9/12
	WORK INSPECTED BY:	SM&A	DATE 9/12
	ACCEPTANCE BY:	COA	DATE 9/12
	AS BUILT VERIFICATION BY:	COA	DATE 9/12
	DRAWINGS PREPARED BY:	HDR ENGINEERING	DATE 9/12

BENCH MARKS

THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6–K18& ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987. NAD 83 NMSP COORDINATES CENTRAL ZONE NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599

MICRO–FILM INFORMATION

RECORDED BY:
NO.
NORTHING = 1483955.175
EASTING = 1538790.908

SURVEY INFORMATION

FIELD NOTES

NO.	BY	DATE

ENGINEER'S SEAL

ROBERT L. LUNA 21586 REGISTERED PROFESSIONAL ENGINEER NEW MEXICO

NO.	DATE	REMARKS	BY
1	09/2012	AS–BUILT	

REVISIONS

HDR ENGINEERING INC.

DESIGNED BY: RC DATE: 12/10
DRAWN BY: RC DATE: 12/10
CHECKED BY: RLL DATE: 12/10

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
CENTRAL AVE. STA 28+00 – STA 35+00

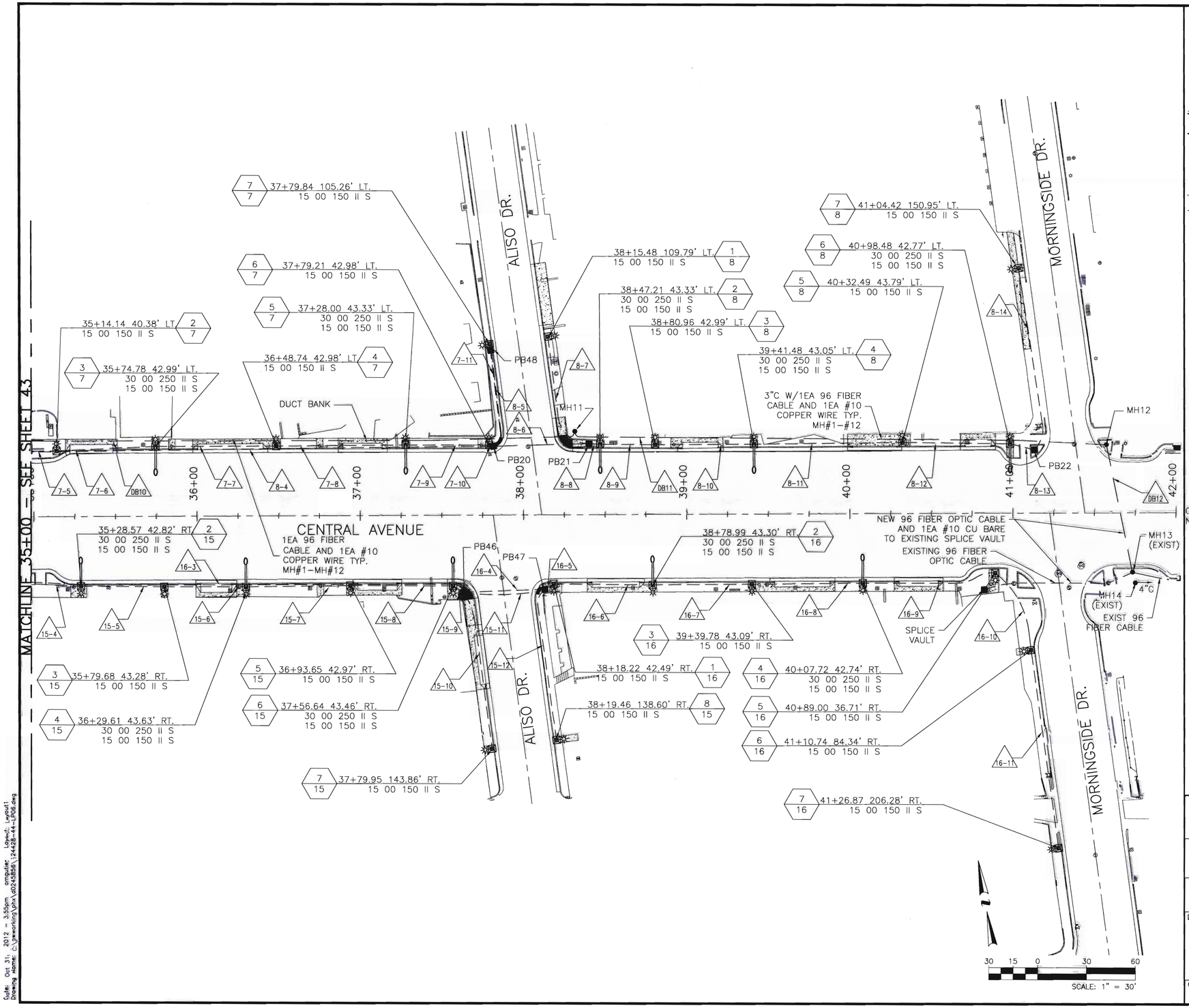
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No.	Zone Map No.	Sheet	Of
7795.04	K–16, K–17	43R	51

Date: Oct 31, 2012 – 3:30pm simpalar Layout: Layout1
Drawing Name: C:\Drawings\Work\2012\Sept\12445\12445-43-L-Plan.dwg

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING



LIGHTING LEGEND

NEW	EXISTING	ITEM
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		LIGHTING STANDARD WITH LUMINAIRE AS INDICATED
		CONDUIT RUN
		DUCT BANK
		PULLBOX
		SERVICE POLE WITH RISER
LC–X	LC–X	LIGHTING CABINET
		MANHOLE
X–XX		LIGHTING CONDUIT
DBX		DUCT BANK
BCX		BRANCH CONDUIT
SX		SERVICE RISER

LUMINAIRE NUMBER
STATIONING
00–00–000–0–S
CIRCUIT NUMBER
TYPE OF LAMP (SODIUM)
TYPE OF DISTRIBUTION
WATTAGE
ARM LENGTH
MOUNTING HEIGHT

AS BUILT INFORMATION
CONTRACTOR: BRASH ELECTRIC — DATE: 8/12
STAKED BY: SMASH — DATE: 8/12
INSPECTOR'S ACCEPTANCE BY: CDA — DATE: 8/12
FIELD VERIFICATION BY: CDA — DATE: 8/12
AS-BUILT CORRECTED BY: HDR ENGINEERING — DATE: 8/12

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6–K19A ACS". NOTE: NMSP
COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483985.175
EASTING = 1538790.908

SURVEY INFORMATION
FIELD NOTES BY DATE

NO.	DATE	REMARKS
1	09/2012	AS-BUILT

REVISIONS

MICRO–FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
ROBERT L. LUNA — 14500 — REGISTERED PROFESSIONAL ENGINEER — NEW MEXICO

HDR ENGINEERING, INC.
DESIGNED BY: RC — DATE: 12/10
DRAWN BY: RC — DATE: 12/10
CHECKED BY: RLL — DATE: 12/10

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5400
FAX: (505) 830-5404
HDR ENGINEERING INC.
ONE COMPANY Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
CENTRAL AVE. STA 35+00 – STA 42+00

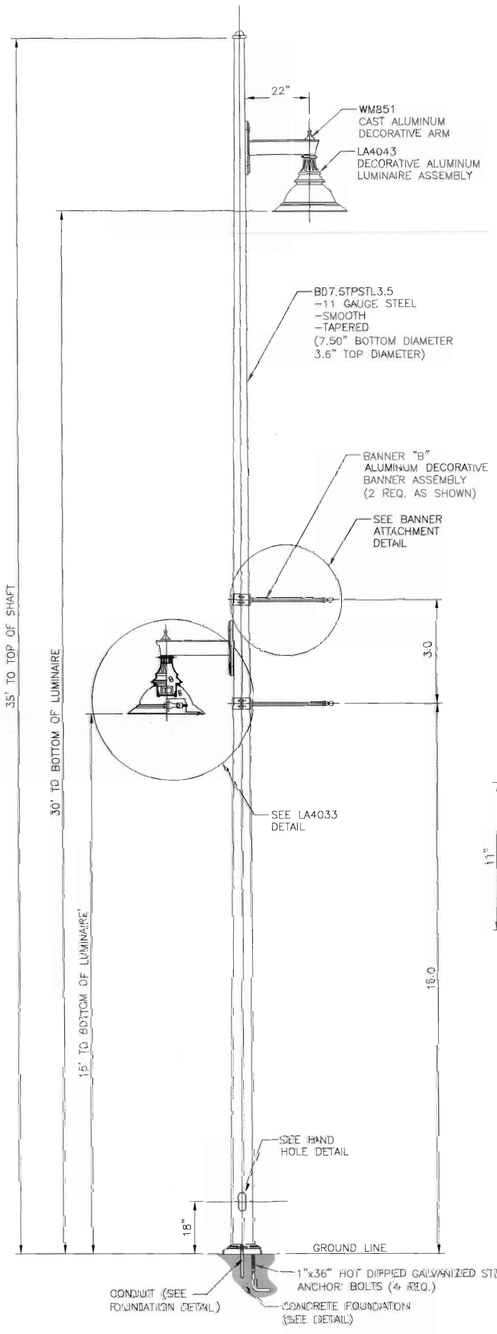
Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K–16, K–17 | Sheet 44R of 51

Date: Oct 31, 2012 – 3:55pm amgulier Layout: Layout1
Drawing Name: C:\gaworking\phx\d0245856\124428–44–LP06.dwg

REDRAWN FOR RECORD PURPOSES

RECORD DRAWING



COMBINATION: PEDESTRIAN / ROADWAY LIGHT

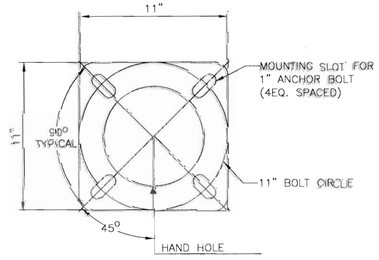
NOTES:

ALL ELECTRICAL COMPONENTS AND MATERIALS SHALL BE U-L RECOGNIZED.

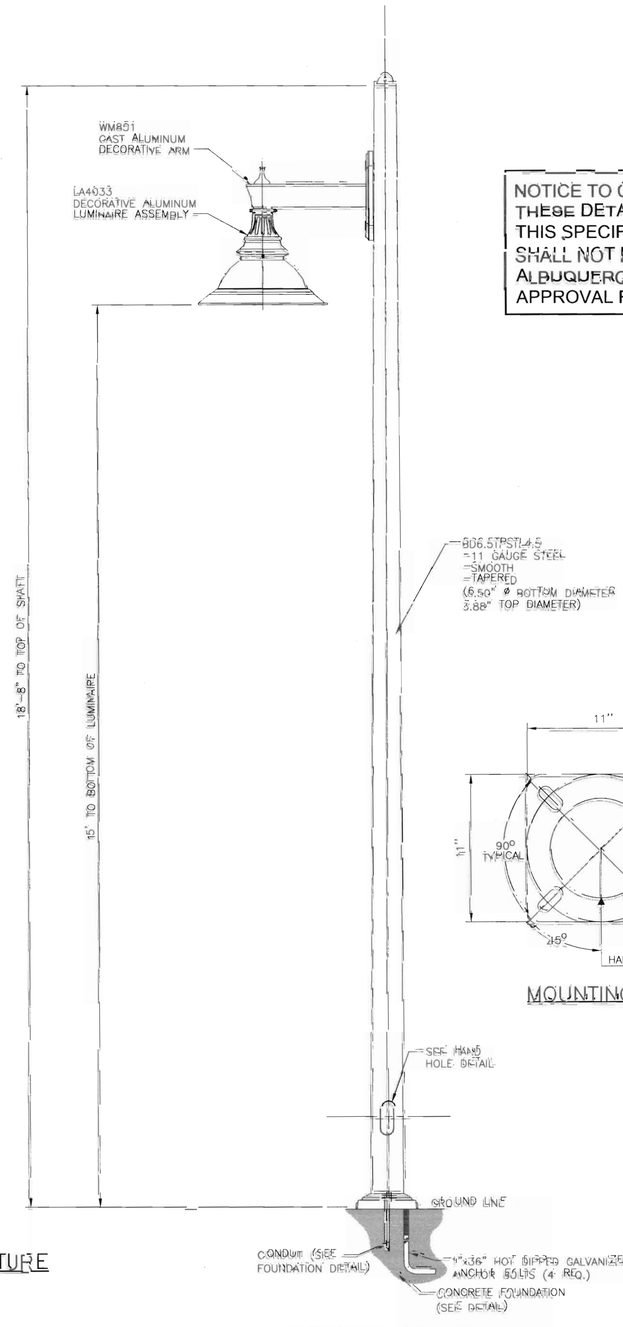
ALL CAST ALUMINUM TO BE A-356 ALLOY. UNLESS OTHERWISE SPECIFIED, WITH UNIFORM THICKNESS.

ALL FASTENERS .50" DIAMETER AND LESS TO BE STAINLESS STEEL, UNLESS OTHERWISE SPECIFIED.

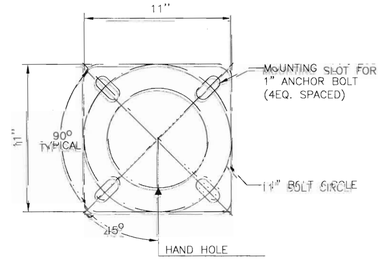
FINISH TO BE THERMOSET TGICSUPER POLYESTER POWDER COAT. FINISH ELECTROSTATICALLY APPLIED, OVEN CURED AND BONDED W/FILM THICKNESS OF 1.6 MILS. COLOR TO BE IDENTIFIED BY COA PROJECT MANAGER



MOUNTING DETAIL



HISTORICAL VINTAGE FIXTURE
(NOT TO SCALE)



MOUNTING DETAIL

PEDESTRIAN SCALED LIGHT

NOTICE TO CONTRACTOR:
THESE DETAILS ARE ONLY TO BE USED FOR THIS SPECIFIC PROJECT. THESE DRAWINGS SHALL NOT BE USED ON OTHER CITY OF ALBUQUERQUE PROJECTS WITHOUT WRITTEN APPROVAL FROM THE CITY OF ALBUQUERQUE.

SURVEY INFORMATION
FIELD NOTES

NO.	BY	DATE

AS BUILT INFORMATION
BENCH MARKS
THE STATION IS A 2 INCH BRASS TUBE SET IN THE SIDEWALK AND IS STAMPED: "K-17 1984 ACS". NOTE: NAD83 COORDINATES REVISED AUGUST 1987.
NAD83 GRID E/W = 1483983.175
NAD83 GRID N/S = 1538780.916
BEARING TO GRID FACTOR: 0.999966458
NORTHING = 1483983.175
EASTING = 1538780.916

CONTRACTOR: BERRY ELECTRIC DATE: 8/12
WORK STARTED ON: 3MAR11 DATE: 8/12
ACCEPTANCE BY: JPDA DATE: 8/12
CERTIFICATION BY: COA DATE: 8/12
DRAWINGS REVISED BY: HDR ENGINEERING DATE: 8/12
MICRO-FILM INFORMATION
RECORDED BY:
NO.

ENGINEER'S SEAL
ROBERT L. LUNA
14501
NEW MEXICO
PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	BY
DESIGNED BY: JB	DATE: 12/4/10	
DRAWN BY: JB	DATE: 12/4/10	
CHECKED BY: PLL	DATE: 12/4/10	

HDR ENGINEERING INC.

2155 LOUISIANA BLVD. NE
SUITE 9000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-2500
FAX: (505) 830-2540

HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

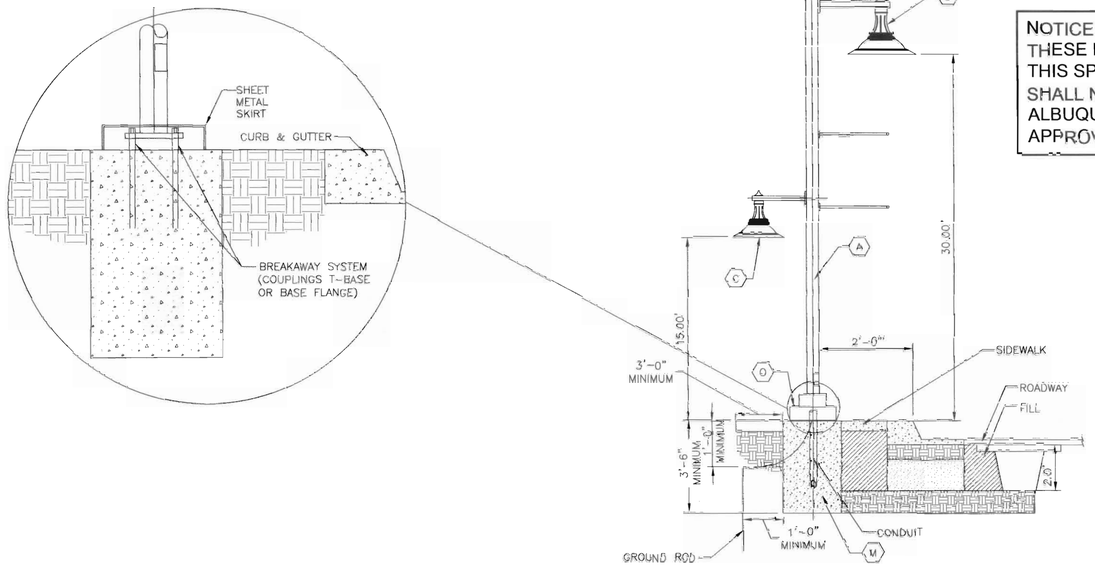
TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
DECORATIVE POLE & LUMINAIRE DETAILS

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr.

City Project No. 7795.04
Zone Map No. K-16, K-17
Sheet 45 Of 51

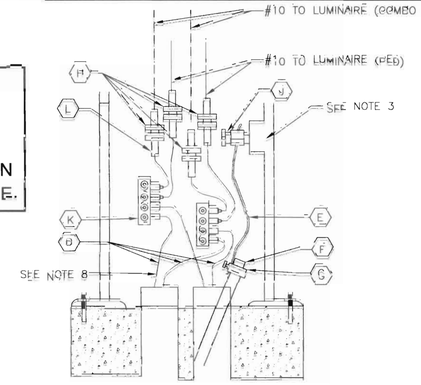
RECORD DRAWING

Date: Feb 07, 2011 – 4:13pm computer Layout: Sheet
Drawing Name: C:\Working Link\60693124\dgn\60693124-BD01.dgn



DETAIL A
(N.T.S.)

NOTICE TO CONTRACTOR:
THESE DETAILS ARE ONLY TO BE USED FOR THIS SPECIFIC PROJECT. THESE DRAWINGS SHALL NOT BE USED ON OTHER CITY OF ALBUQUERQUE PROJECTS WITHOUT WRITTEN APPROVAL FROM THE CITY OF ALBUQUERQUE.

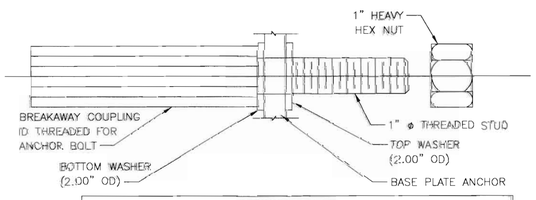


GROUNDING DETAIL

MATERIALS LIST

ITEM	QUANT.	DESCRIPTION
A	1	30' ALUMINUM POLE
B	1	250W HPS 240V LUMINAIRE*
C	1	150W HPS 240V LUMINAIRE**
D	1	600V 2/C #2 UF CU CABLE
E	1	#6 CU WIRE
F	1	5/8" X 8' GROUND ROD
G	1	5/8" GROUND ROD CLAMP
H	1	FUSE HOLDER
J	1	STREETLIGHT POLE GROUNDING LUG
K	2	FOUR-WAY STREETLIGHT CONNECTORS
L	2	5A LIMITRON FUSE
M	1	POUR IN PLACE FOUNDATION
N	1	#2 CU TRIPLEX
Q	1	9" BREAKAWAY BASE FOR 30' POLE

* FOR COMBINATION POLE ASSEMBLY
** FOR PEDESTRIAN SCALED LUMINAIRE



DIMENSION TABLE							
D	THREAD	MINIMUM TENSILE STRENGTH	RESTRAINED SHEAR MIN	RESTRAINED SHEAR MAX	NUT TORQUE +25% FT LBS	L	E
1"	8 UNC	25 KIPS	30 KIPS	7.5 KIPS	175	4-3/4"	3-5/16"

BREAKAWAY SUPPORT COUPLING SHALL CONFORM TO THE REQUIREMENTS OF AASHTO STANDARDS FOR BREAKAWAY SUPPORTS.

COUPLINGS SHALL BE FABRICATED FROM EITHER DIE CAST ALUMINUM ALLOY 380 ACCORDING TO ASTM B-85, OR EXTRUDED FORM ALLOY 2024-T8511 ACCORDING TO ASTM A-153.

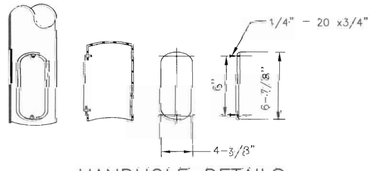
WASHERS SHALL BE FABIRCATED FROM ASTM A-36 STEEL PLATE AND SHALL BE GALVANIZED ACCORDING TO ASTM-153.

HEX NUTS SHALL MEET THE REQUIREMENTS AO ASTM A-563 GRADE A, AND ANSI 18.2.2 HEX. TYPE AND SHALL BE GALVANIZED ACCORDING TO ASTM A-153.

THREADED STUD SHALL MEET THE REQUIREMENTS OF ASTM 675 GRADE 90 AND IS GALVANIZED WITH ASTM A-153, OR IS FABRICATED FROM AISI STAINLESS STEEL.

WHEN COUPLINGS ARE FURNISHED, EACH LIGHT POLE SHALL BE FURNISHED WITH FOUR(4) COUPLINGS AND THREADED STUDS, EIGHT(8)FLAT WASHERS, AND FOUR(4)HEX NUTS.

BREAKAWAY BOLT DETAIL



HANDHOLE DETAILS

HANDHOLE REINFORCEMENT SHALL BE EITHER FORGED STEEL CONFORMING TO ASTM A-576. GRADE 1021, OR FABRICATED FROM 3/16" WALL TUBING CONFORMING ASTM A-39;OR CAST FROM STEEL CONFORMING TO ASTM A-27. GRADE 65-35, OR FABRICATED WITH 6" STANDARD BLACK PIPE (0-0.280" WALL) ASTM A-53 GRADE B.

REINFORCEMENT SHALL BE WELDED TO THE POLE SHAFT IN THE 90 DEGREE LOCATION, PRIOR TO GALVANIZING/POWDER-COATING POLE SHAFT. COVER SHALL BE FABRICATED FROM 3/16" SHEET STEEL OR ALUMINUM. STEEL COVER IS GALVANIZED/POWDERCOATED ACCORDING TO ASTM A-153. COVER SHALL BE EQUIPPED WITH TWO(2) AISA 304 STAINLESS STEEL 1/4"-20 x 3/4" HEX CAP SCREW AND TWO(2) CAPTIVE WASHERS.

PROVISIONS FOR INTERNAL GROUNDING SHALL BE PROVIDED BY A TAPERED HOLE.

HANDHOLE REINFORCEMENT SHALL STRENGTHEN POLE SHAFT SECTION TO THAT OF A SHAFT FABRICATED WITHOUT A HANDHOLE.

NOTES:

(1) FOR CUSTOMER OWNED AND DESIGNED SYSTEMS ONLY
(2) LEVEL LUMINAIRE IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
(3) WHEN SYSTEM NEUTRAL IS AVAILABLE, GROUND TO POLE.
(4) MAY BE REDUCED IF NECESSARY, BUT NOT LESS THAN 6".
(5) POLE MUST BE AT LEAST 4' FROM A FIRE HYDRANT.
(6) POUR IN PLACE FOUNDATIONS MUST CURE FOR 14 DAYS BEFORE ERECTING POLE.
(7) NESC RULE 231 AND 314B.
(8) LEAVE 18" TO 24" TAIL FROM EDGE OF CONDUIT STUBOUT.

SURVEY INFORMATION:
FIELD NOTES
NO. BY DATE

BENCH MARKS
THE STATION 16 A 2 INCH BRASS DISC.
SET IN THE SIDEWALK AND IS STAMPED
"16-K16BA AGS". NAD83
NAD) 85 NMSP COORDINATES CENTRAL ZONE
(COORDINATES REVISED AUGUST 1987
NAVD 1988 ELEV. = 5247.329
GROUND TO GRID FACTOR 0.99968608

AS BUILT INFORMATION
CONTRACTOR: JEWKEY ELECTRIC DATE: 8/12
WORK: STAMA DATE: 8/12
ACCEPTANCE BY: CDA DATE: 8/12
VERIFICATION BY: CDA DATE: 8/12
DRAWINGS: HDR ENGINEERING DATE: 8/12
APPROVED BY:
RECORDED BY:
NO.
NORTHING: = 1483955.1175
EASTING = 1538780.9835

MICRO-FILM INFORMATION

ENGINEER'S SEAL
ROBERT L. LUNA 14900 NEW MEXICO REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	
		HDR ENGINEERING INC.	
		DESIGNED BY: JJR	DATE: 12/1/10
		DRAWN BY: JJB	DATE: 12/1/10
		CHECKED BY: RLL	DATE: 12/1/10

2155 LOUISIANA BLVD. NE SUITE 1000 ALBUQUERQUE, NM 87110 MAIN (505) 830-5400 FAX (505) 830-5450
HDR ENGINEERING INC.
ONE COMPANY Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
DECORATIVE POLE & LUMINAIRE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER	mo./day/yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 46 Of 51

RECORD DRAWING

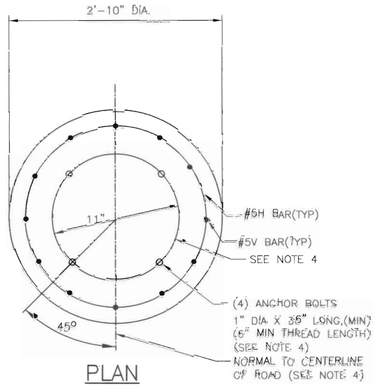
Date: Feb 07, 2011 - 4:17pm engstler - Layout: Sheet1
Drawing Name: C:\pwworking\jjr\d0053\l1442818.dgn DT002.dwg

GENERAL NOTES

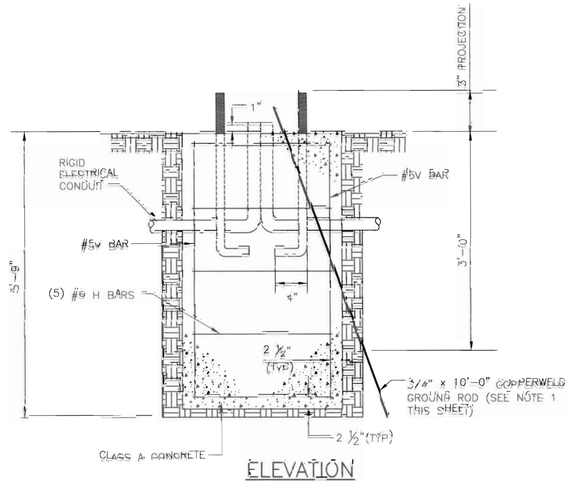
1. ALL FOUNDATIONS SHALL INCLUDE COPPERWELD GROUND RODS AS SHOWN WHICH SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE FOUNDATION. NO PRICE OR PAYMENT SHALL BE MADE THEREFOR.
2. WELDING SHALL BE IN ACCORDANCE WITH SECTION 1.4.2 OF AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS.
3. ALUMINUM STANDARDS SHALL UTILIZE AN APPROVED BREAKAWAY COUPLINGS WHICH SHALL BE CONSIDERED INCIDENTAL TO THE LIGHTING STANDARD.
4. VERIFY ANCHOR SIZE, MATERIAL REQUIREMENTS, AND PLACEMENT WITH LIGHT POLE MANUFACTURER.

LIGHT BASE DIAMETERS

STA. 8+98± RT – 2'	STA. 18+57± RT – 2'
STA. 9+67± RT – 2'	STA. 19+41± RT – 2'
STA. 10+41± RT – 2'	STA. 20+19± RT – 2'
STA. 11+90± RT – 2'	STA. 21+09± RT – 2'
STA. 11+15± RT – 2'	STA. 21+90± RT – 2'
STA. 12+65± RT – 2'	STA. 22+66± RT – 2'
STA. 13+38± RT – 2'	STA. 23+22± RT – STANDARD
STA. 14+82± RT – 2'	STA. 24+23± RT – STANDARD
STA. 16+61± RT – 2'	STA. 24+83± RT – 2'
STA. 17+07± RT – 2'	STA. 25+52± RT – 2'
STA. 17+70± RT – STANDARD	STA. 26+24± RT – STANDARD



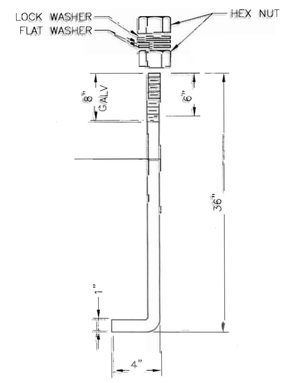
PLAN



ELEVATION

ESTIMATED FOUNDATION QUANTITIES

ITEM	30' MOUNTING HEIGHT
REINFORCING BARS, GRADE 60	110 POUNDS
PORTLAND CEMENT CONCRETE CLASS "A"	1.33 CU.YDS.



ANCHOR BOLTS SHALL BE HOT BENT AND SHALL MEET THE REQUIREMENTS OF ASTM A-675 GRADE 90, NUTS MEET THE REQUIREMENT OF ASTM A-563 GRADE A, AND ANSI B18.2

FLAT WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B27.2 HEAVY WASHERS.

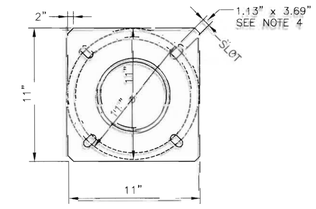
LOCK WASHERS SHALL MEET THE REQUIREMENTS OF ANSI B18.21.1 HEAVY WASHERS.

BOLTS, NUTS, AND LOCKWASHERS SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A-153.

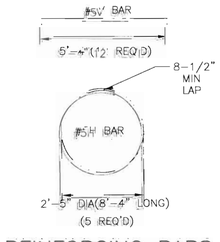
FOUR (4) ANCHOR BOLTS, EIGHT (8) HEX NUTS, EIGHT (8) FLAT WASHERS, AND FOUR (4) LOCK WASHERS SHALL BE FURNISHED WITH EACH POLE.

NUTS, FLAT WASHERS AND LOCK WASHERS FOR BREAKAWAY SUPPORTS SHALL BE SPECIFIED ON DETAILS.

ANCHOR BOLT DETAIL



ANCHOR BASE SHALL BE FABRICATED FROM PLATE STEEL CONFORMING TO ASTM A-36 AND SHALL BE WELDED TO POLE SHAFT PRIOR TO GALVANIZING/POWDER COAT



REINFORCING BARS

NOTICE TO CONTRACTOR:
THESE DETAILS ARE ONLY TO BE USED FOR THIS SPECIFIC PROJECT. THESE DRAWINGS SHALL NOT BE USED ON OTHER CITY OF ALBUQUERQUE PROJECTS WITHOUT WRITTEN APPROVAL FROM THE CITY OF ALBUQUERQUE.

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "G-4-T18A AGS". NOTE: NAVD 88 COORDINATES REVISED AUGUST 1997.
NAD 83 NMSF COORDINATES: CENTRAL ZONE
NAVD 1988 ELEV. = 5247.329

AS BUILT INFORMATION
CONTRACTOR: BERRY ELECTRIC DATE 10/12
ARMY: SAMBA DATE 10/12
AIR FORCE: DATE 10/12
ACCEPTANCE BY: COA
VERIFICATION BY: COA DATE 10/12
DRAWINGS
PREPARED BY: HDR ENGINEERING DATE 10/12

MICRO-FILM INFORMATION
GROUND TO GRID FACTOR 0.999484659
RECORDED BY:
NO.
NORTHING = 1483365.175
EASTING = 1538790.085

ENGINEER'S SEAL
ROBERT L. LOVE
14500
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

REVISIONS

NO.	DATE	REMARKS
	12/10	
	12/10	
	9/10	

HDR ENGINEERING, INC.
DESIGNED BY: JB
DRAWN BY: JR
CHECKED BY: RLL

2155 LOUISIANA BLVD. NE
SUITE 9000
ALBUQUERQUE, NM 87110
PHONE (505) 998-2400
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HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

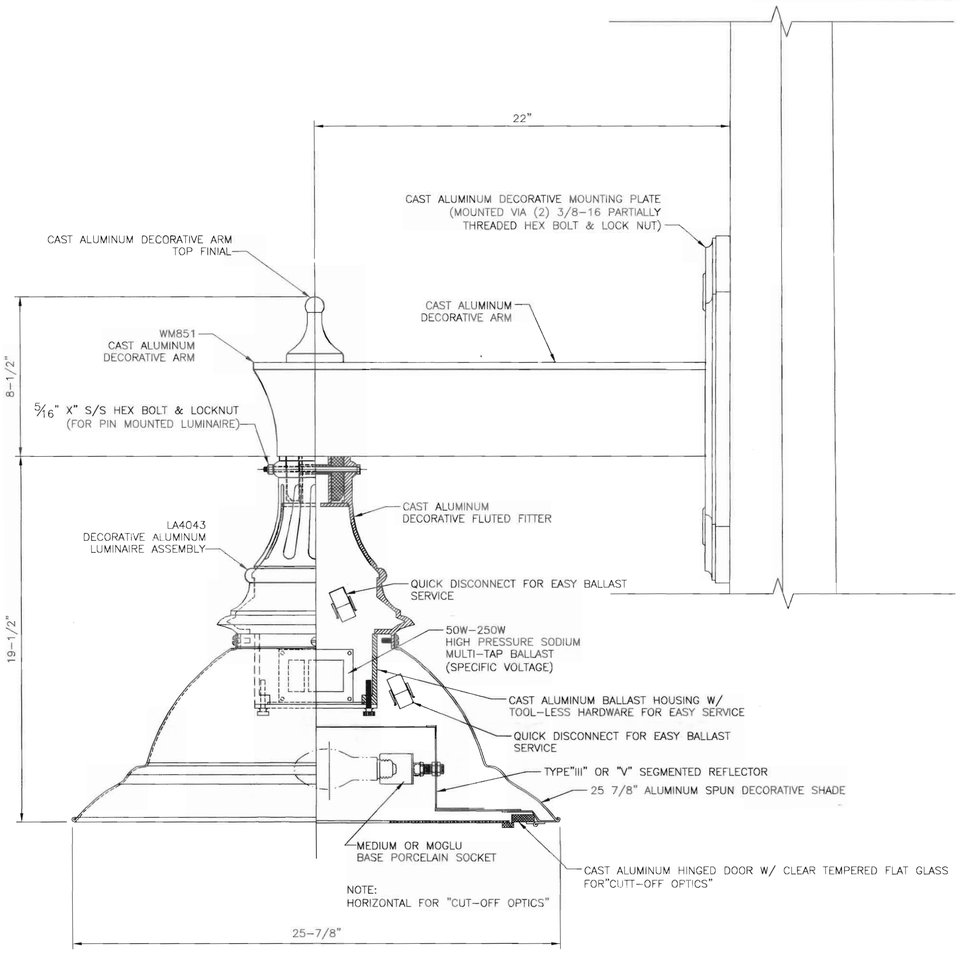
TITLE: CENTRAL AVE. PEDESTRIAN IMPROVEMENT PROJECT
DECORATIVE POLE & LUMINAIRE DETAILS

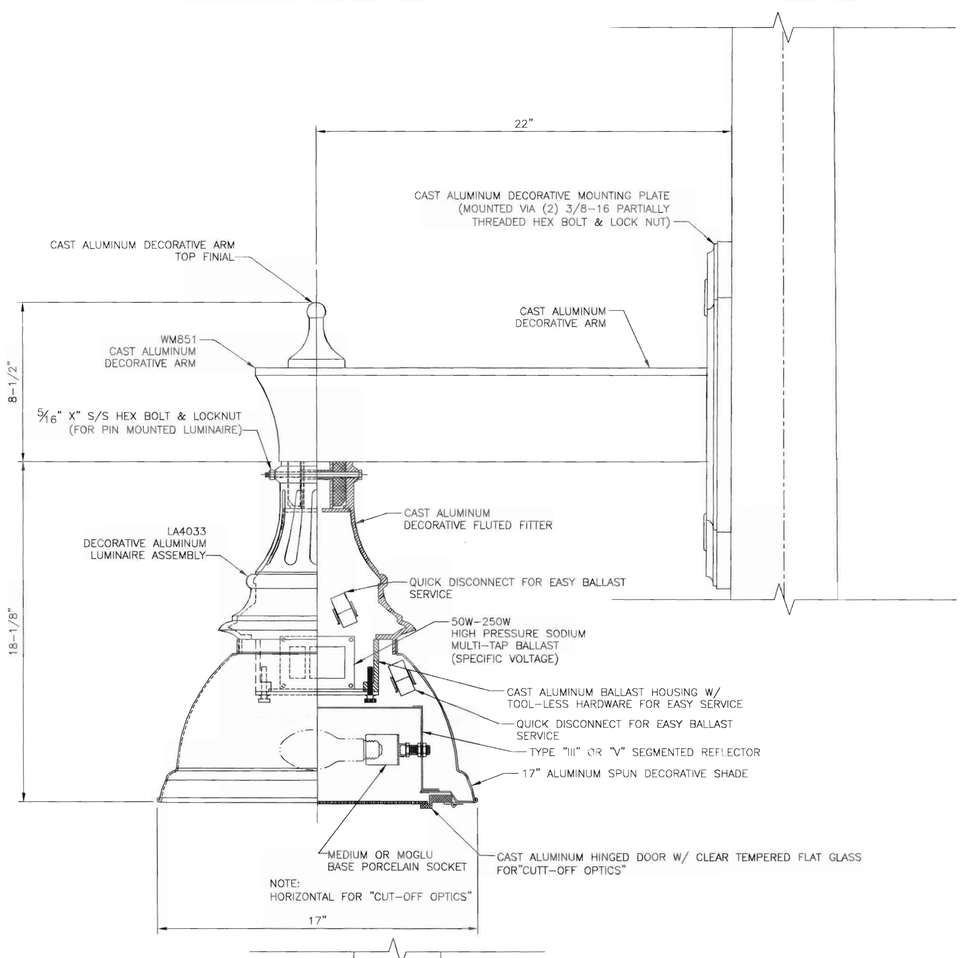
Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: No./Day/Yr.

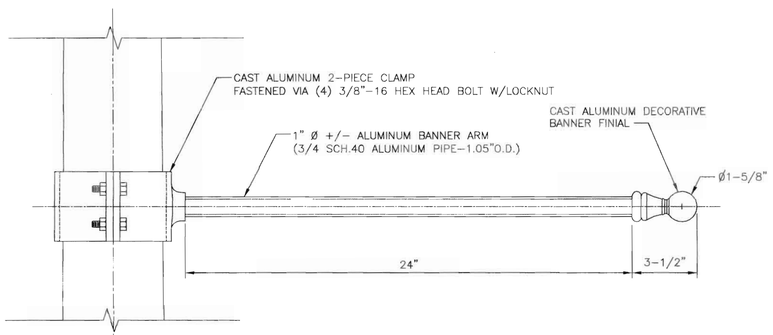
City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 47 Of 51

RECORD DRAWING

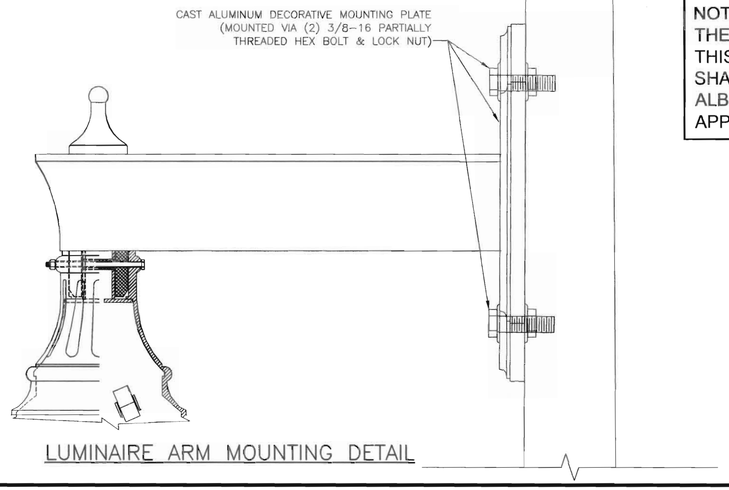
Date: Feb 07, 2011 – 4:19pm Computer: Layout: Layout1
Drawing Name: C:\Drawing\JOBS\50831\1\44-28 - 47-DTL01.dwg







BANNER MOUNTING DETAIL



LUMINAIRE ARM MOUNTING DETAIL

NOTICE TO CONTRACTOR:
THESE DETAILS ARE ONLY TO BE USED FOR THIS SPECIFIC PROJECT. THESE DRAWINGS SHALL NOT BE USED ON OTHER CITY OF ALBUQUERQUE PROJECTS WITHOUT WRITTEN APPROVAL FROM THE CITY OF ALBUQUERQUE.

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6–K18A ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5247.329
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1483955.175
EASTING = 1538790.908

AS BUILT INFORMATION

		DATE
CONTRACTOR	BIGBY ELECTRIC	DATE 8/12
WORK STAKED BY	SMBA	DATE 8/12
ACCEPTANCE BY	COA	DATE 8/12
VERIFICATION BY	COA	DATE 8/12
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE 8/12

MICRO–FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL
ROBERT L. LUNA
14500
NEW MEXICO
REGISTERED PROFESSIONAL ENGINEER

NO.	DATE	REMARKS	BY
		REVISIONS	

HDR ENGINEERING INC.
DESIGNED BY: JB DATE: 12/10
DRAWN BY: JB DATE: 12/10
CHECKED BY: RLL DATE: 12/10

2155 LOUISIANA BLVD., NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-5600
FAX: (505) 830-5454
HDR ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
DECORATIVE POLE & LUMINAIRE DETAILS

Design Review Committee	City Engineer Approval	Last Design Update	Mo./Day/Yr.	Mo./Day/Yr.
APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE	APPROVED MAR 11 2011 CITY ENGINEER			

City Project No.	Zone Map No.	Sheet	Of
7795.04	K–16, K–17	48	51

RECORD DRAWING

Date: Feb 07, 2011 – 4:20pm angulier Layout: Sheet
Drawing Name: C:\Engineering\proj\07\7795\1\24x36-48-BTITLE.dwg

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
1.1			6		0.000324			
1.2			55		0.000324			
1.3	1.1		43		0.000324	1.1	0.02	0.02
1.4			43		0.000324	1.1	0.02	0.03
1.5	1.1		63		0.000324	2.2	0.04	0.08
1.6	1.1		61		0.000324	3.3	0.07	0.14
1.7	2.4		52		0.000324	5.7	0.10	0.24
1.8	1.1		82		0.000324	6.8	0.18	0.42
1.9	2.4		74		0.000324	9.2	0.22	0.64
1.10	1.1		77		0.000324	10.3	0.26	0.90
1.11	2.4		79		0.000324	12.7	0.33	1.22
1.12	1.1		68		0.000324	13.8	0.30	1.52
1.13	1.1		78		0.000324	14.9	0.38	1.90
1.14			58		0.000324	14.9	0.28	2.18
1.15	1.1		82		0.000324	16	0.43	2.61
1.16	1.1		45		0.000324	17.1	0.25	2.86
1.17	2.4		76		0.000324	19.5	0.48	3.34
1.18	1.1		80		0.000324	20.6	0.53	3.87
1.19	2.4		56		0.000324	23	0.42	4.29
Loop Wire Resistance Table						TOTAL DROP %		4.29
Wire Size			2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
3.1			55		0.000324	0	0.00	0.00
3.2			190		0.000324	0	0.00	0.00
3.3			70		0.000324	0	0.00	0.00
3.4	1.1		234		0.000324	1.1	0.08	0.08
3.5	2.4		67		0.000324	3.5	0.08	0.16
3.6			26		0.000324	3.5	0.03	0.19
3.7	1.1		96		0.000324	4.6	0.13	0.32
3.8			57		0.000324	4.6	0.08	0.40
3.9	1.1		13		0.000324	5.7	0.02	0.43
3.10	1.1		58		0.000324	6.8	0.15	0.58
3.11	2.4		90		0.000324	9.2	0.21	0.81
3.12	1.1		78		0.000324	10.3	0.26	1.07
3.13	2.4		76		0.000324	12.7	0.31	1.38
3.14	1.1		75		0.000324	13.8	0.35	1.74
3.15	1.1		76		0.000324	14.9	0.37	2.10
3.16	1.1		48		0.000324	16	0.26	2.35
3.17			48		0.000324	16	0.25	2.60
3.18	2.4		72		0.000324	18.4	0.07	2.67
3.19	1.1		91		0.000324	19.5	0.57	3.25
Loop Wire Resistance Table						TOTAL DROP %		3.25
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
2.1			6		0.000324	0	0.00	0.00
2.2	1.1		16		0.000324	1.1	0.01	0.01
2.3			15		0.000324	1.1	0.01	0.01
2.4			53		0.000324	1.1	0.02	0.03
2.5	1.1		8		0.000324	2.2	0.01	0.04
2.6	2.4		82		0.000324	4.6	0.12	0.16
2.7	1.1		62		0.000324	5.7	0.11	0.27
2.8	2.4		69		0.000324	8.1	0.18	0.45
2.9	1.1		95		0.000324	9.2	0.28	0.74
2.10			8		0.000324	9.2	0.02	0.76
2.11	1.1		91		0.000324	10.3	0.30	1.06
2.12	1.1		66		0.000324	11.4	0.24	1.31
2.13	1.1		40		0.000324	12.5	0.16	1.47
2.14	1.1		108		0.000324	13.6	0.44	1.91
2.15			48		0.000324	13.6	0.21	2.12
2.16	2.4		42		0.000324	16	0.22	2.34
2.17	1.1		56		0.000324	17.1	0.31	2.65
2.18	2.4		77		0.000324	19.5	0.49	3.14
Loop Wire Resistance Table						TOTAL DROP %		3.14
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
4.1			55		0.000324	0	0.00	0.00
4.2	1.1		81		0.000324	1.1	0.03	0.03
4.3	1.1		66		0.000324	2.2	0.05	0.08
4.4			47		0.000324	2.2	0.03	0.11
4.5	2.4		78		0.000324	4.6	0.01	0.12
4.6	1.1		73		0.000324	5.7	0.13	0.26
4.7	2.4		83		0.000324	8.1	0.22	0.47
4.8	1.1		221		0.000324	9.2	0.66	1.13
4.9	2.4		103		0.000324	11.6	0.39	1.52
4.10	1.1		68		0.000324	12.7	0.28	1.80
4.11	2.4		82		0.000324	15.1	0.40	2.20
4.12	1.1		64		0.000324	16.2	0.34	2.54
Loop Wire Resistance Table						TOTAL DROP %		2.54
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

LOAD CALCULATIONS (FOR INFORMATION PURPOSES ONLY)

RICHMOND DR NE: NORTH OF CENTRAL (CIRCUITS 1 AND 2):

OF 150W STREET LIGHTS = 19, # OF 250W STREET LIGHTS = 9

TOTAL KVA = $\frac{240 \times 32.6}{1,000} = 7.82$

RICHMOND DR SE: SOUTH OF CENTRAL (CIRCUITS 9 AND 10):

OF 150W STREET LIGHTS = 19, # OF 250W STREET LIGHTS = 8

TOTAL KVA = $\frac{240 \times 31.3}{1,000} = 7.51$

AMHERST DR NE: NORTH OF CENTRAL (CIRCUITS 3 AND 4):

OF 150W STREET LIGHTS = 15, # OF 250W STREET LIGHTS = 8

TOTAL KVA = $\frac{240 \times 25.9}{1,000} = 6.46$

TULANE DR SE: SOUTH OF CENTRAL (CIRCUITS 11 AND 12):

OF 150W STREET LIGHTS = 16, # OF 250W STREET LIGHTS = 8

TOTAL KVA = $\frac{240 \times 28.0}{1,000} = 6.72$

SOLANO DR NE: NORTH OF CENTRAL (CIRCUITS 5 THROUGH 8):

OF 150W STREET LIGHTS = 15, # OF 250W STREET LIGHTS = 13

TOTAL KVA = $\frac{240 \times 33.4}{1,000} = 8.02$

SOLANO DR SE: SOUTH OF CENTRAL (CIRCUITS 13 THROUGH 16):

OF 150W STREET LIGHTS = 21, # OF 250W STREET LIGHTS = 12

TOTAL KVA = $\frac{240 \times 38.7}{1,000} = 9.29$

NOTE: LOAD CALCULATIONS ARE PROVIDED FOR INFORMATION AND ESTIMATING PURPOSES ONLY, AND ALSO SPECIFIC ONLY TO THE CENTRAL AVE. PHASE II LIGHTING PROJECT. HDR DOES NOT CERTIFY OR GUARANTEE THE RESULTS PROVIDED AND RECOMMENDS THAT THESE CALCULATIONS BE VERIFIED BY USING STANDARD NEC REQUIREMENTS BY A REGISTERED ELECTRICAL ENGINEER.

AS BUILT INFORMATION
CONTRACTOR: BIGGBY ELECTRIC DATE: 8/12
WORK STAKED: DATE: 8/12
ACCEPTANCE BY COA: DATE: 8/12
VERIFIED BY COA: DATE: 8/12
DRAWINGS MARKED BY: HDR ENGINEERING DATE: 8/12
MICRO-FILM INFORMATION
RECORDED BY
NO.

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK AND IS STAMPED "E6-4184 ACS" AND IS NSBP
COORDINATES REFERED TO NAD 83 NMSP GRID BEARINGS. CENTRAL ZONE
NAD 83 NMSP COORDINATES
NAVD 1988 ELEV = 5247.529
GROUND TO GRID FACTOR: 0.999686939
NORTHING = 1,435,355.175
EASTING = 1,538,790.968

SURVEY INFORMATION
FIELD NOTES
NO. DATE BY

ENGINEER'S SEAL
ROBERT L. LUNA
NEW MEXICO
13035
REGISTERED PROFESSIONAL ENGINEER

REMARKS
REVISIONS
NO. DATE
HDR ENGINEERING, INC. DATE: 12/10
DESIGNED BY: RC DATE: 12/10
DRAWN BY: RC DATE: 12/10
CHECKED BY: RL

2155 LOUISIANA BLVD. NE
SUITE 9500
ALBUQUERQUE, NM 87110
MAIN: (505) 830-6800
FAX: (505) 830-6822
HDR ENGINEERING, INC.
A WE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT

VOLTAGE DROP CALCULATIONS

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 49 Of 51

RECORD DRAWING

Date: Feb 09, 2011 - 1:41pm rclement Layout: Sheet
Drawing Name: O:\Urban\Albq\95000\33\42\95-42-05-01.dwg

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
5.1			6		0.000324	0	0.00	0.00
5.2			125		0.000324	0	0.00	0.00
5.3			284		0.000324	0	0.00	0.00
5.4	2.4		61		0.000324	2.4	0.05	0.05
5.5	1.1		95		0.000324	3.5	0.11	0.16
5.6	2.4		95		0.000324	5.9	0.18	0.34
5.7	1.1		81		0.000324	7	0.18	0.52
5.8	2.4		67		0.000324	9.4	0.20	0.72
5.9			13		0.000324	9.4	0.04	0.76
5.10	2.4		69		0.000324	11.8	0.26	1.03
5.11			18		0.000324	11.8	0.07	1.10
5.12	2.4		49		0.000324	14.2	0.23	1.32
Loop Wire Resistance Table						TOTAL DROP %		1.32
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
8.1			6		0.000324	0	0.00	0.00
8.2			99		0.000324	0	0.00	0.00
8.3			44		0.000324	0	0.00	0.00
8.4			296		0.000324	0	0.00	0.00
8.5	1.1		65		0.000324	1.1	0.02	0.02
8.6	1.1		38		0.000324	2.2	0.03	0.05
8.7			83		0.000324	2.2	0.06	0.11
8.8	2.4		8		0.000324	4.6	0.01	0.12
8.9	1.1		38		0.000324	5.7	0.07	0.19
8.10	2.4		84		0.000324	8.1	0.17	0.36
8.11	1.1		96		0.000324	9.2	0.29	0.65
8.12	2.4		74		0.000324	11.6	0.28	0.92
8.13			12		0.000324	11.6	0.05	0.97
8.14	1.1		115		0.000324	12.7	0.47	1.44
Loop Wire Resistance Table						TOTAL DROP %		1.44
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
6.1			6		0.000324	0	0.00	0.00
6.2	1.1		48		0.000324	1.1	0.02	0.02
6.3	2.4		60		0.000324	3.5	0.07	0.09
6.4	2.4		103		0.000324	5.9	0.20	0.28
6.5	1.1		114		0.000324	7	0.26	0.54
6.6	2.4		54		0.000324	9.4	0.16	0.71
6.7			18		0.000324	9.4	0.05	0.76
6.8	1.1		84		0.000324	10.5	0.29	1.05
6.9	1.1		39		0.000324	11.6	0.15	1.19
Loop Wire Resistance Table						TOTAL DROP %		1.19
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
9.1			6		0.000324	0	0.00	0.00
9.2	1.1		92		0.000324	1.1	0.03	0.03
9.3			67		0.000324	1.1	0.02	0.06
9.4	1.1		145		0.000324	2.2	0.10	0.16
9.5	1.1		55		0.000324	3.3	0.06	0.22
9.6	2.4		125		0.000324	5.7	0.23	0.45
9.7	1.1		82		0.000324	6.8	0.14	0.59
9.8	2.4		72		0.000324	9.2	0.21	0.80
9.9	1.1		60		0.000324	10.3	0.20	1.00
9.10			22		0.000324	10.3	0.07	1.07
9.11	1.1		31		0.000324	11.4	0.11	1.19
9.12	1.1		130		0.000324	12.5	0.53	1.72
9.13	1.1		43		0.000324	13.6	0.19	1.91
9.14	1.1		130		0.000324	14.7	0.62	2.52
9.15			51		0.000324	14.7	0.24	2.77
9.16	2.4		13		0.000324	17.1	0.07	2.84
9.17	1.1		79		0.000324	18.2	0.47	3.30
9.18	2.4		60		0.000324	20.6	0.40	3.71
9.19	1.1		95		0.000324	21.7	0.67	4.37
Loop Wire Resistance Table						TOTAL DROP %		4.37
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
7.1			6		0.000324	0	0.00	0.00
7.2			43		0.000324	0	0.00	0.00
7.3	1.1		39		0.000324	1.1	0.01	0.01
7.4			75		0.000324	1.1	0.03	0.04
7.5	1.1		26		0.000324	2.2	0.02	0.06
7.6	2.4		64		0.000324	4.6	0.10	0.15
7.7	1.1		79		0.000324	5.7	0.15	0.30
7.8	2.4		84		0.000324	8.1	0.22	0.52
7.9	1.1		57		0.000324	9.2	0.17	0.69
7.10			4		0.000324	9.2	0.01	0.70
7.11	1.1		68		0.000324	10.3	0.23	0.93
Loop Wire Resistance Table						TOTAL DROP %		0.93
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
10.1			6		0.000324	0	0.00	0.00
10.2	1.1		92		0.000324	1.1	0.03	0.03
10.3			92		0.000324	1.1	0.03	0.07
10.4	1.1		36		0.000324	2.2	0.03	0.09
10.5			38		0.000324	2.2	0.03	0.12
10.6	2.4		18		0.000324	4.6	0.03	0.15
10.7	1.1		75		0.000324	5.7	0.14	0.28
10.8	2.4		78		0.000324	8.1	0.20	0.49
10.9	1.1		78		0.000324	9.2	0.23	0.72
10.10	2.4		79		0.000324	11.6	0.30	1.02
10.11			21		0.000324	11.6	0.08	1.10
10.12	1.1		65		0.000324	12.7	0.27	1.36
10.13	1.1		100		0.000324	13.8	0.45	1.81
10.14	1.1		53		0.000324	14.9	0.26	2.07
10.15	1.1		100		0.000324	16	0.52	2.59
10.16			66		0.000324	16	0.34	2.93
10.17	1.1		8		0.000324	17.1	0.04	2.97
10.18	2.4		76		0.000324	19.5	0.48	3.45
Loop Wire Resistance Table						TOTAL DROP %		3.47
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

SURVEY INFORMATION
FIELD NOTES

NO.	DATE	BY

BENCH MARKS
THE STATION IS A 2 INCH BRASS DISC SET IN THE SIDEWALK, AND IS STAMPED "6-K16 ACS". NOTE: NMSP COORDINATES REVISED AUGUST 1987.
NAD 83 NMSP COORDINATES CENTRAL ZONE
NAVD 1988 ELEV = 5287.329'
GROUND TO GRID FACTOR: 0.999664599
NORTHING = 1-483965.175
EASTING = 1-538790.908

AS BUILT INFORMATION

CONTRACTOR	BIGBY ELECTRIC	DATE 8/12
WORK STAKED BY	SMMA	DATE 8/12
ACCEPTANCE BY	COA	DATE 8/12
FIELD LOCATION BY	COA	DATE 8/12
DRAWINGS CORRECTED BY	HDR ENGINEERING	DATE 8/12

MICRO-FILM INFORMATION
RECORDED BY
NO.

ENGINEER'S SEAL

ROBERT L. LUNA
14500
REGISTERED PROFESSIONAL ENGINEER
NEW MEXICO

NO.	DATE	REMARKS	BY
		REVISIONS	
	DESIGNED BY: RC	HDR ENGINEERING INC.	DATE: 12/10
	DRAWN BY: RC		DATE: 12/10
	CHECKED BY: RLL		DATE: 12/10

2155 LOUISIANA BLVD., NE
SUITE 9000
ALBUQUERQUE, NM 87110
MAIN: (505) 830-6400
FAX: (505) 830-6404
HDR ENGINEERING INC.
ONE COMPANY
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
VOLTAGE DROP CALCULATIONS

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Mo./Day/Yr.

City Project No. 7795.04 | Zone Map No. K-16, K-17 | Sheet 50 Of 51

RECORD DRAWING

Date: Feb 07, 2011 - 4:23pm omguiter Layout: Sheet
Drawing Name: C:\pwworking\jpm\d0169871\2x42fs_SG_CS04.dwg

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
11.1			15		0.000324	0	0.00	0.00
11.2			87		0.000324	0	0.00	0.00
11.3	2.4		24		0.000324	2.4	0.02	0.02
11.4	1.1		86		0.000324	3.5	0.10	0.12
11.5	2.4		90		0.000324	5.9	0.17	0.29
11.6	1.1		66		0.000324	7	0.15	0.44
11.7	2.4		49		0.000324	9.4	0.15	0.59
11.8			39		0.000324	9.4	0.12	0.71
11.9	1.1		66		0.000324	10.5	0.22	0.93
11.10			40		0.000324	10.5	0.14	1.07
11.11	1.1		20		0.000324	11.6	0.08	1.14
11.12			108		0.000324	11.6	0.41	1.56
11.13	2.4		99		0.000324	14	0.45	2.00
11.14	1.1		88		0.000324	15.1	0.43	2.43
Loop Wire Resistance Table						TOTAL DROP %		2.43
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
12.1			15		0.000324	0	0.00	0.00
12.2	1.1		15		0.000324	1.1	0.01	0.01
12.3	1.1		42		0.000324	2.2	0.03	0.04
12.4			70		0.000324	2.2	0.05	0.09
12.5	1.1		18		0.000324	3.3	0.02	0.10
12.6	2.4		93		0.000324	5.7	0.17	0.28
12.7	1.1		84		0.000324	6.8	0.19	0.46
12.8	2.4		79		0.000324	9.2	0.24	0.70
12.9	1.1		69		0.000324	10.3	0.20	0.89
12.10			18		0.000324	10.3	0.06	0.95
12.11	1.1		47		0.000324	11.4	0.17	1.13
12.12	1.1		137		0.000324	12.5	0.55	1.68
12.13	1.1		68		0.000324	13.6	0.30	1.98
12.14	1.1		138		0.000324	14.7	0.66	2.64
12.15			43		0.000324	14.7	0.20	2.84
12.16	2.4		18		0.000324	17.1	0.09	2.94
12.17	1.1		63		0.000324	18.2	0.37	3.32
12.18	2.4		74		0.000324	20.6	0.49	3.81
12.19	1.1		72		0.000324	21.7	0.51	4.32
Loop Wire Resistance Table						TOTAL DROP %		4.32
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
13.1			12		0.000324	0	0.00	0.00
13.2			23		0.000324	0	0.00	0.00
13.3			41		0.000324	0	0.00	0.00
13.4			364		0.000324	0	0.00	0.00
13.5			53		0.000324	0	0.00	0.00
13.6	1.1		12		0.000324	1.1	0.00	0.00
13.7	2.4		63		0.000324	3.5	0.07	0.08
13.8	1.1		96		0.000324	4.6	0.15	0.22
13.9	2.4		57		0.000324	7	0.13	0.35
13.10	1.1		67		0.000324	8.1	0.18	0.53
13.11			18		0.000324	8.1	0.04	0.57
13.12	2.4		77		0.000324	10.5	0.26	0.83
13.13	1.1		94		0.000324	11.6	0.26	1.09
13.14			56		0.000324	11.6	0.21	1.30
13.15	1.1		96		0.000324	12.7	0.40	1.70
13.16	2.4		68		0.000324	15.1	0.33	2.03
Loop Wire Resistance Table						TOTAL DROP %		2.03
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
14.1			12		0.000324	0	0.00	0.00
14.2	1.1		23		0.000324	1.1	0.01	0.01
14.3	1.1		41		0.000324	2.2	0.03	0.04
14.4			46		0.000324	2.2	0.03	0.07
14.5	2.4		13		0.000324	4.6	0.02	0.09
14.6	1.1		83		0.000324	5.7	0.15	0.24
14.7	2.4		83		0.000324	8.1	0.22	0.46
14.8	1.1		79		0.000324	9.2	0.21	0.67
14.9	2.4		85		0.000324	11.6	0.14	0.81
14.10			28		0.000324	11.6	0.11	0.92
14.11	1.1		47		0.000324	12.7	0.19	1.11
14.12			28		0.000324	12.7	0.12	1.23
14.13	1.1		54		0.000324	13.8	0.23	1.42
Loop Wire Resistance Table						TOTAL DROP %		1.42
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
15.1			12		0.000324	0	0.00	0.00
15.2			27		0.000324	0	0.00	0.00
15.3	1.1		9		0.000324	1.1	0.00	0.00
15.4	2.4		65		0.000324	3.5	0.07	0.07
15.5	1.1		54		0.000324	4.6	0.08	0.15
15.6	2.4		53		0.000324	7	0.12	0.27
15.7	1.1		67		0.000324	8.1	0.18	0.45
15.8	2.4		66		0.000324	10.5	0.22	0.67
15.9			11		0.000324	10.5	0.04	0.71
15.10	1.1		107		0.000324	11.6	0.38	1.09
15.11	1.1		42		0.000324	12.7	0.17	1.26
Loop Wire Resistance Table						TOTAL DROP %		1.26
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

RUN NO.	CURRENT THIS RUN AMPS	ADDTN'L BRANCH CURRENT IF ANY AMPS	DISTANCE TO NEXT RUN FEET	WIRE SIZE A.W.G. NO.	WIRE RESISTANCE OHMS/FEET	CURRENT RUNNING TOTAL AMPS	VOLATAGE DROP VOLTS	RUNNING TOTAL VOLTAGE DROP VOLTS
16.1			12		0.000324	0	0.00	0.00
16.2			28		0.000324	0	0.00	0.00
16.3			32		0.000324	0	0.00	0.00
16.4			58		0.000324	0	0.00	0.00
16.5	1.1		8		0.000324	1.1	0.00	0.00
16.6	2.4		63		0.000324	3.5	0.07	0.07
16.7	1.1		65		0.000324	4.6	0.10	0.17
16.8	2.4		72		0.000324	7	0.16	0.33
16.9	1.1		86		0.000324	8.1	0.23	0.56
16.10	1.1		55		0.000324	9.2	0.16	0.73
16.11	1.1		123		0.000324	10.3	0.42	1.15
Loop Wire Resistance Table						TOTAL DROP %		1.15
Wire Size		0	2	4	6	8	10	12
ohms/foot		0.000204	0.000324	0.000518	0.00082	0.001308	0.002036	0.00336
ohms/meter		0.00067	0.001063	0.0017	0.00269	0.004291	0.00668	0.011023
				ENGL	FEET	NO.	OHMS/FEET	
NUM		1		MET	METER	NO.	OHMS/METER	

AS BUILT INFORMATION

BENCH MARKS
THE STATION DESIGNATIONS AND ELEVATIONS SHOWN HEREON ARE BASED ON 2 INCH BRASS DISC SETTING IN THE SIDEWALK AND STAMPED "B-41BM ACS" NOTE: NMSP

FIELD NOTES
NO. BY DATE

SURVEY INFORMATION
CONTRACTOR DATE/12
ENTITY ELECTRIC DATE/12
WORK DATE/12
PLANS PLOTTED DATE/12
ACCEPTANCE BY CONTRACTOR DATE/12
ACCEPTANCE BY CITY DATE/12
BEARINGS ARE GRID AZIMUTHS
COORDINATES ARE BASED ON NAD 83 NMSP CENTRAL ZONE
NAVD 1988 ELEV = 5547.329
DERIVED BY HDR ENGINEERING DATE/12
MICRO-FILM INFORMATION
RECORDED BY
NO.
LAT/GRID TO GROUND FACTOR: 0.999664599
NORTHING = 1,545,955.175
EASTING = 1,539,960.198

ENGINEER'S SEAL
REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
JAMES W. LUNA
15500

REMARKS
REVISIONS
HDR ENGINEERING, INC.
DESIGNED BY: RC DATE: 12/10
DRAWN BY: RC DATE: 12/10
CHECKED BY: RLL DATE: 12/10
NO. DATE BY

HDR
6501 LOMAS BLVD. NE
ALBUQUERQUE, NM 87110
(505) 998-7600 FAX: (505) 998-7601
ENGINEERING INC.
ONE COMPANY
Many Solutions

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
TRANSPORTATION DEVELOPMENT DIVISION

TITLE: CENTRAL AVE PEDESTRIAN IMPROVEMENT PROJECT
VOLTAGE DROP CALCULATIONS

Design Review Committee: APPROVED MAR 11 2011 DESIGN REVIEW COMMITTEE
City Engineer Approval: APPROVED MAR 11 2011 CITY ENGINEER
Last Design Update: Mo./Day/Yr.
Mo./Day/Yr.

City Project No: 7795.04
Zone Map No: K-16, K-17
Sheet 51 of 51

RECORD DRAWING

Date: Feb 07, 2011 - 4:35pm computer Layout: Sheet
Drawing Name: C:\pwork\rlluna\Job\d0160831\12429\Sht-51-2705A.dwg