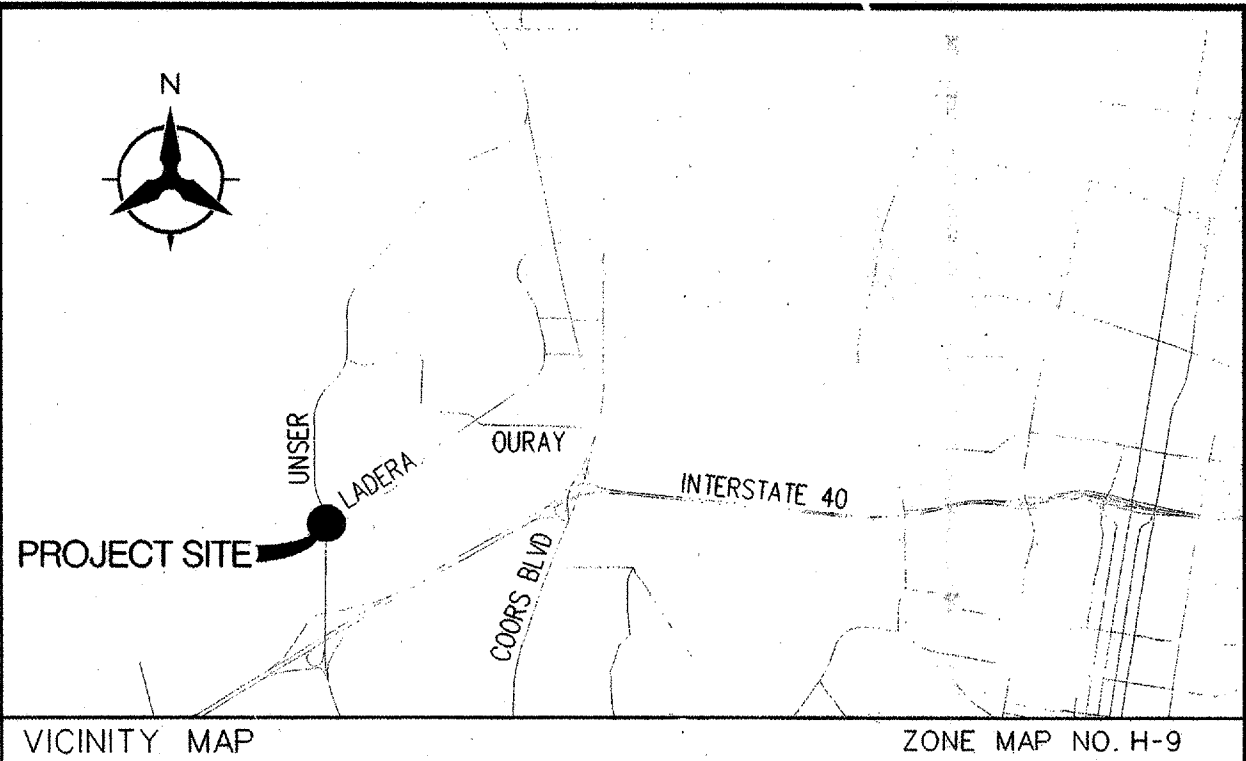


CONSTRUCTION PLANS
FOR
UNSER BOULEVARD / LADERA ROAD
INTERSECTION IMPROVEMENTS
ALBUQUERQUE, NEW MEXICO



INDEX

SHEET NO.	SHEET TITLE
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7	PERMANENT SIGNING AND STRIPING PLAN



- VICINITY MAP ZONE MAP NO. H-9
- NOTICE TO CONTRACTORS**
1. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
 2. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER CONTRACT SHALL, EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE No.7 (INCLUDING ADENDUM No.1).
 3. TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
 4. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE ENGINEER OR SURVEYOR IMMEDIATELY SO THAT THE CONFLICT CAN BE RESOLVED WITH A MINIMUM AMOUNT OF DELAY.
 5. FIVE (5) 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 CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY CONSTRUCTION COORDINATION ENGINEER (768-2551) PRIOR TO ENTERING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
 6. ALL WORK AFFECTING ARTERIAL ROADWAYS REQUIRES TWENTY-FOUR HOUR CONSTRUCTION.
 7. ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED W/ PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO THE SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET.
 8. CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE PRESENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATIONS OF THE PAVEMENT, OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
 9. CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
 10. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
 11. CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE WATER SYSTEMS DIVISION (857-8200) SEVEN (7) WORKING DAYS IN ADVANCE OF ANY WORK THAT MAY AFFECT EXISTING PUBLIC WATER OR SEWER UTILITIES. EXISTING VALVES TO BE OPERATED BY CITY PERSONNEL ONLY. CONTRACTOR SHALL CONTACT THE WATER SYSTEMS DIVISION THREE (3) DAYS PRIOR TO NEEDING VALVES TURNED ON OR OFF.
- THE FOLLOWING NOTES ALSO APPLY WHEN CHECKED**
- ☒ ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
 - ☒ BACKFILL COMPACTION SHALL BE ACCORDING TO SPECIFIED STREET USE.
 - ☒ TACK COAT REQUIREMENTS SHALL BE DETERMINED BY THE ENGINEER.
 - ☒ SIDEWALKS AND WHEELCHAIR RAMPS WITHIN THE CURB RETURNS SHALL BE CONSTRUCTED WHEREVER A NEW CURB RETURN IS CONSTRUCTED.
 - ☒ IF CURB IS DEPRESSED FOR A DRIVEPAD, THE DRIVEPAD SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB AND GUTTER.
 - ☒ ALL STORM DRAINAGE FACILITIES SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE.
 - ☒ THE REQUESTOR OR DEVELOPER SHALL BE RESPONSIBLE FOR REPAIR OR REPLACEMENT OF ALL CURB AND GUTTER OR SIDEWALK DAMAGED AFTER APPROVAL BY THE CITY ENGINEER OF WORK COMPLETED BY THE CONTRACTOR.

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS		ENGINEER		DATE	
		DRC Chairman		J. Woodall		9/29/07	
		Transportation		Blayne Smith		9-6-07	
		Water/Wastewater		William D. Balch		9-5-07	
		Hydrology		Bradley A. Englem		9-5-07	
		CIP					
Const. Mngmt.							
Const. Coord.							
DRB CASE NUMBER		CITY PROJECT NO.		6588.91		SHEET 1 OF 7	

APPROVED FOR CONSTRUCTION

City Engineer Date

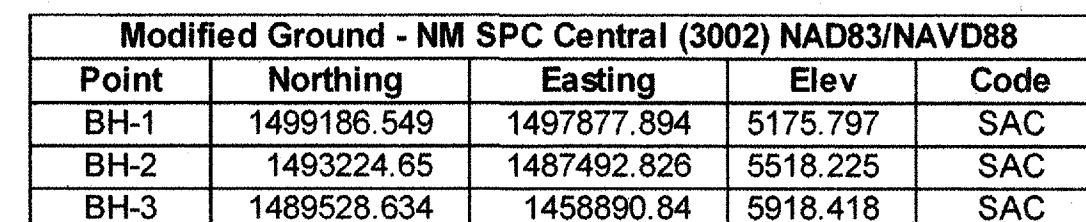
1. THE CONTRACTOR SHALL FIELD VERIFY AND LOCATE ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY FOR ANY POTENTIAL CONFLICTS WITH PROPOSED IMPROVEMENTS. ALL ELECTRICAL, TELEPHONE, CABLE TV, GAS AND OTHER UTILITY LINES, CABLES AND APPURTENANCES ENCOUNTERED DURING CONSTRUCTION THAT REQUIRE RELOCATION SHALL BE COORDINATED WITH THAT UTILITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL NECESSARY UTILITY ADJUSTMENTS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR DELAYS OR INCONVENIENCES CAUSED BY UTILITY COMPANY WORK CREWS. THE CONTRACTOR MAY BE REQUIRED TO RESCHEDULE HIS ACTIVITIES TO ALLOW UTILITY CREWS TO PERFORM THEIR REQUIRED WORK. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THE EXISTING UTILITY LINES WITHIN THE CONSTRUCTION AREA. ANY DAMAGE TO EXISTING FACILITIES CAUSED BY CONSTRUCTION ACTIVITY SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE AND APPROVED BY THE CONSTRUCTION OBSERVER.
2. DISPOSAL SITE FOR ALL EXCESS EXCAVATION MATERIAL AND UNSUITABLE MATERIAL SHALL BE OBTAINED BY THE CONTRACTOR IN COMPLIANCE WITH APPLICABLE ENVIRONMENTAL REGULATIONS AND APPROVED BY THE CONSTRUCTION OBSERVER. ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE AND HAUL THERETO SHALL BE CONSIDERED INCIDENTAL TO THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE.
3. CONSTRUCTION ACTIVITY SHALL BE LIMITED TO THE PROPERTY AND/OR PROJECT LIMITS. ANY DAMAGE TO ADJACENT PROPERTIES RESULTING FROM THE CONSTRUCTION PROCESS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY COSTS INCURRED FOR REPAIRS SHALL BE THE COST OF THE CONTRACTOR.
4. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAYS OR DESIGNATED TRAFFIC LANES. THE CONTRACTOR SHALL NOT STORE ANY EQUIPMENT OR MATERIAL WITHIN THE PUBLIC RIGHT-OF-WAY.
5. THE CONTRACTOR SHALL BE RESPONSIBLE TO REPLACE AT HIS EXPENSE ANY AND ALL PROPERTY CORNERS DESTROYED DURING CONSTRUCTION. ALL PROPERTY CORNERS MUST BE RESET BY A REGISTERED LAND SURVEYOR.
6. ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
7. ALL SAW CUT PAVEMENT SHALL HAVE A UNIFORM EDGE AND BE SPRAYED WITH TACK PRIOR TO PLACEMENT OF ADJACENT PAVING.
8. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, WALLS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS AT HIS OWN EXPENSE.
9. WHEELCHAIR RAMPS SHALL BE CONSTRUCTED PRIOR TO ACCEPTANCE OF CURB & GUTTER.
10. ANY ADDITIONAL GRADING REQUIRED TO MATCH PROPOSED STREET GRADES SHALL BE INCIDENTAL TO PAVING ITEMS.
11. WHEN ABUTTING NEW PAVEMENT TO THE EXISTING INTERSECTING STREETS THE EXISTING PAVEMENT SHALL BE SAW CUT PER CITY OF ALBUQUERQUE STANDARD DRAWING 2465 TO A STRAIGHT LINE AT RIGHT ANGLES AND ANY BROKEN OR CRACKED PAVEMENT SHALL BE REMOVED. SAW CUTTING SHALL BE CONSIDERED INCIDENTAL TO PAVING, THEREFORE, NO DIRECT PAYMENT WILL BE MADE FOR SAW CUTTING. A CITY OF ALBUQUERQUE INSPECTOR MUST VERIFY PAVEMENT THICKNESS.
12. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED STREET SIGNS, WHICH SHALL MEET THE COA INSPECTOR'S APPROVAL. ALL SIGNS AND CODING SHALL BE IN ACCORDANCE WITH THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" CURRENT EDITION PUBLISHED BY THE US DEPARTMENT OF TRANSPORTATION.
13. THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE)
14. THE CONTRACTOR SHALL PROVIDE THE CONSTRUCTION TRAFFIC CONTROL AND SIGNING PLANS. THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF ALBUQUERQUE, TRAFFIC ENGINEERING DEPARTMENT, PRIOR TO BEGINNING ANY CONSTRUCTION WORK ON OR ADJACENT TO EXISTING STREETS.
15. ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
16. THE CONTRACTOR SHALL MAINTAIN ALL CONSTRUCTION BARRICADES AND SIGNING AT ALL TIMES. THE CONTRACTOR SHALL VERIFY THE PROPER LOCATION OF ALL BARRICADING AT THE END AND BEGINNING OF EACH DAY.
17. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE PER COA STANDARDS, AT HIS OWN EXPENSE.
18. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUB-PART P.
19. THE CONTRACTOR SHALL PARK EQUIPMENT AND VEHICLES AS NOT TO INTERFERE WITH NORMAL ACTIVITIES OF PROPERTY OWNERS OR OTHER CONTRACTORS ON SITE.
20. THE CONTRACTOR WILL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY.
21. SECTION 2800 OF THE CITY OF ALBUQUERQUE STANDARD DRAWINGS SHALL BE USED TO DEVELOP TRAFFIC CONTROL PLANS FOR THIS PROJECT.
22. IF A PAVEMENT DROP-OFF IS CREATED DURING CONSTRUCTION, THE CONTRACTOR SHALL INITIATE PROTECTIVE MEASURES TO PREVENT ABRUPT PAVEMENT CHANGES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
23. THE CONTRACTOR SHALL ADJUST ANY MANHOLE RIMS OR VALVE COVERS THAT ARE WITHIN THE WORK ZONE TO PROPOSED GRADE PER COA STANDARD SPECIFICATIONS 2326, 2328, 2460 AND 2461.

ELECTRIC
PNM ELECTRIC SERVICES
(DISTRIBUTION)
ALBUQUERQUE, NM
PHONE: 241-3606
CONTACT: Roland Blauwkamp

CABLE TV
COMCAST CABLE COMMUNICATIONS
ALBUQUERQUE, NM
PHONE: 761-6252
CONTACT: Mike Mortus

AT&T
ALBUQUERQUE, NM
PHONE: 842-2911
CONTACT: David Crowel

ALBUQUERQUE BERNALILLO COUNTY
WATER UTILITY AUTHORITY
SENIOR ENGINEER
ALBUQUERQUE, NM
PHONE: 768-2729
CONTACT: Nancy Musinski

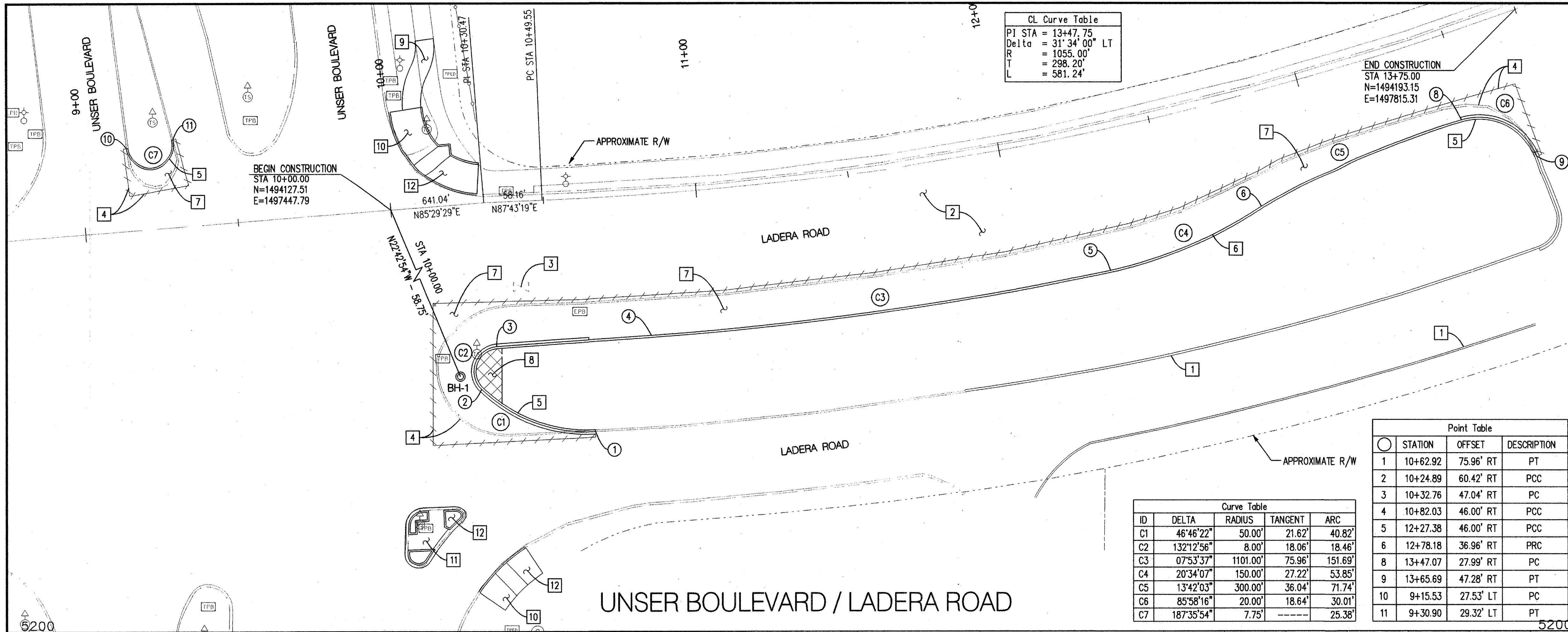


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ENGINEERING • SPATIAL DATA • ADVANCED TECHNOLOGIES



LAST DESIGN UPDATE	
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SHEET	2	OF	7
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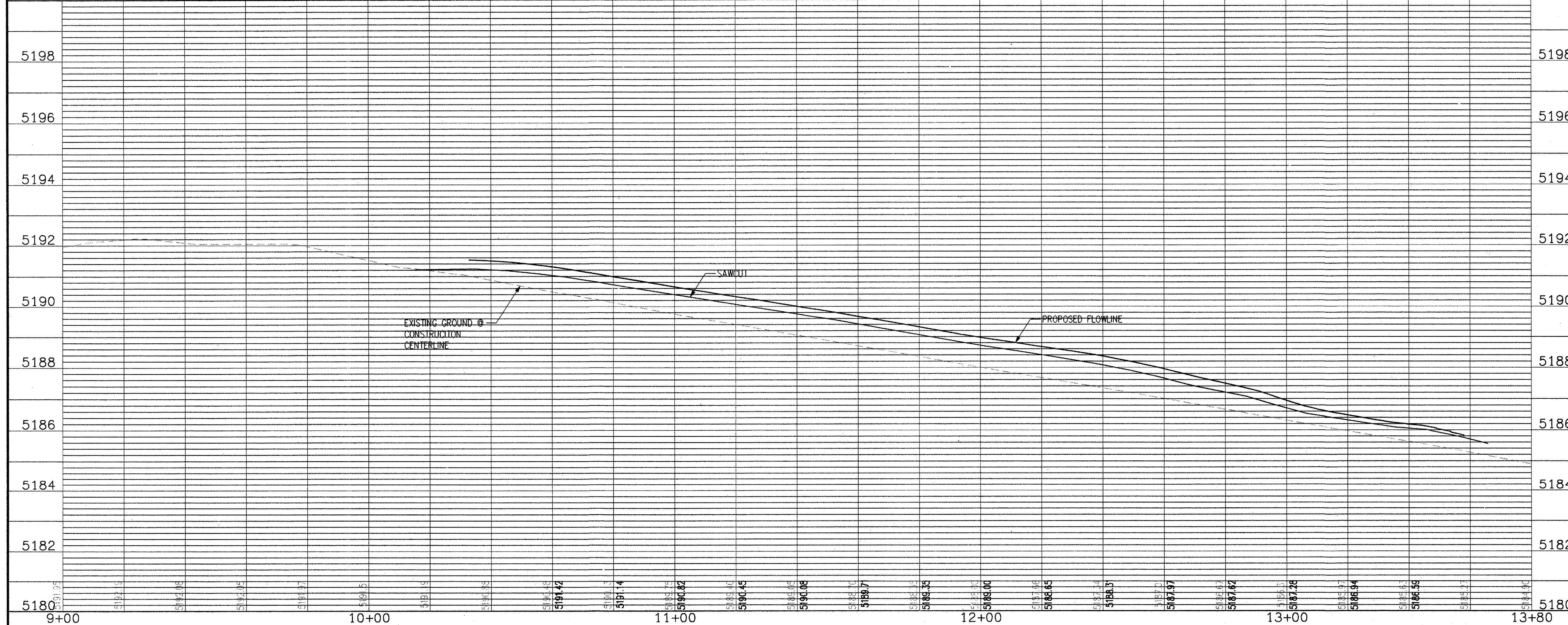


Curve Table			
ID	DELTA	RADIUS	TANGENT
C1	46°46'22"	50.00'	21.62'
C2	132°12'56"	8.00'	18.06'
C3	07°53'37"	1101.00'	75.96'
C4	20°34'07"	150.00'	27.22'
C5	13°42'03"	300.00'	36.04'
C6	85°58'16"	20.00'	18.64'
C7	187°35'54"	7.75'	25.38'

Point Table		
STATION	OFFSET	DESCRIPTION
1	10+62.92	75.96' RT PT
2	10+24.89	60.42' RT PCC
3	10+32.76	47.04' RT PC
4	10+82.03	46.00' RT PCC
5	12+27.38	46.00' RT PCC
6	12+78.18	36.96' RT PRC
8	13+47.07	27.99' RT PC
9	13+65.69	47.28' RT PT
10	9+15.53	27.53' LT PC
11	9+30.90	29.32' LT PT

KEYED NOTES

- EXISTING ASPHALT CURB TO REMAIN
- EXISTING PAVEMENT TO REMAIN
- ADJUST EXISTING VALVE BOX TO GRADE, IF NEEDED
- SAWCUT, REMOVE EXISTING ASPHALT PAVEMENT & ASPHALT CURB
- BUILD STANDARD MEDIAN CURB & GUTTER PER COA STD DWG 2415B
- BUILD STANDARD ASPHALT CURB PER COA STD DWG 2415B
- BUILD ASPHALT PAVING, MATCH TO EXISTING PAVEMENT SECTION IN FIELD
- BUILD PATTERNED CONCRETE PER COA STD DWG 2408 AND 2502
- BUILD STANDARD SIDEWALK PER COA STD DWG 2430
- BUILD STANDARD ADA PEDESTRIAN RAMP WITH DETECTABLE WARNING SURFACE PER NMDOT STD DWG PAD-001. MATCH EXISTING HORIZONTAL AND VERTICAL CURB ALIGNMENTS. CONTRACTOR TO FIELD STAKE AND GET APPROVAL FROM COA PROJECT MANAGER PRIOR TO CONSTRUCTION
- BUILD STANDARD ADA PEDESTRIAN RAMP WITH DETECTABLE WARNING SURFACE AT PEDESTRIAN ISLAND PER NMDOT STD DWG PAD-001. MATCH EXISTING HORIZONTAL AND VERTICAL CURB ALIGNMENTS. EXISTING MASTARM FOUNDATION TO REMAIN INTACT, AT GRADE. CONTRACTOR TO FIELD STAKE AND GET APPROVAL FROM COA PROJECT MANAGER PRIOR TO CONSTRUCTION
- REMOVE EXISTING PEDESTRIAN RAMPS, CURB & GUTTER, AND SIDEWALK AS NEEDED



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Wed, 29-AUG-2007 - 11:04AM, Plotted by: lahinde

BHI JOB NO. 080025

SCALE: 1" = 20' (HORIZ.)
1" = 2' (VERT.)

CITY PROJECT NO. 6588.91

ZONE MAP NO. H-9-Z

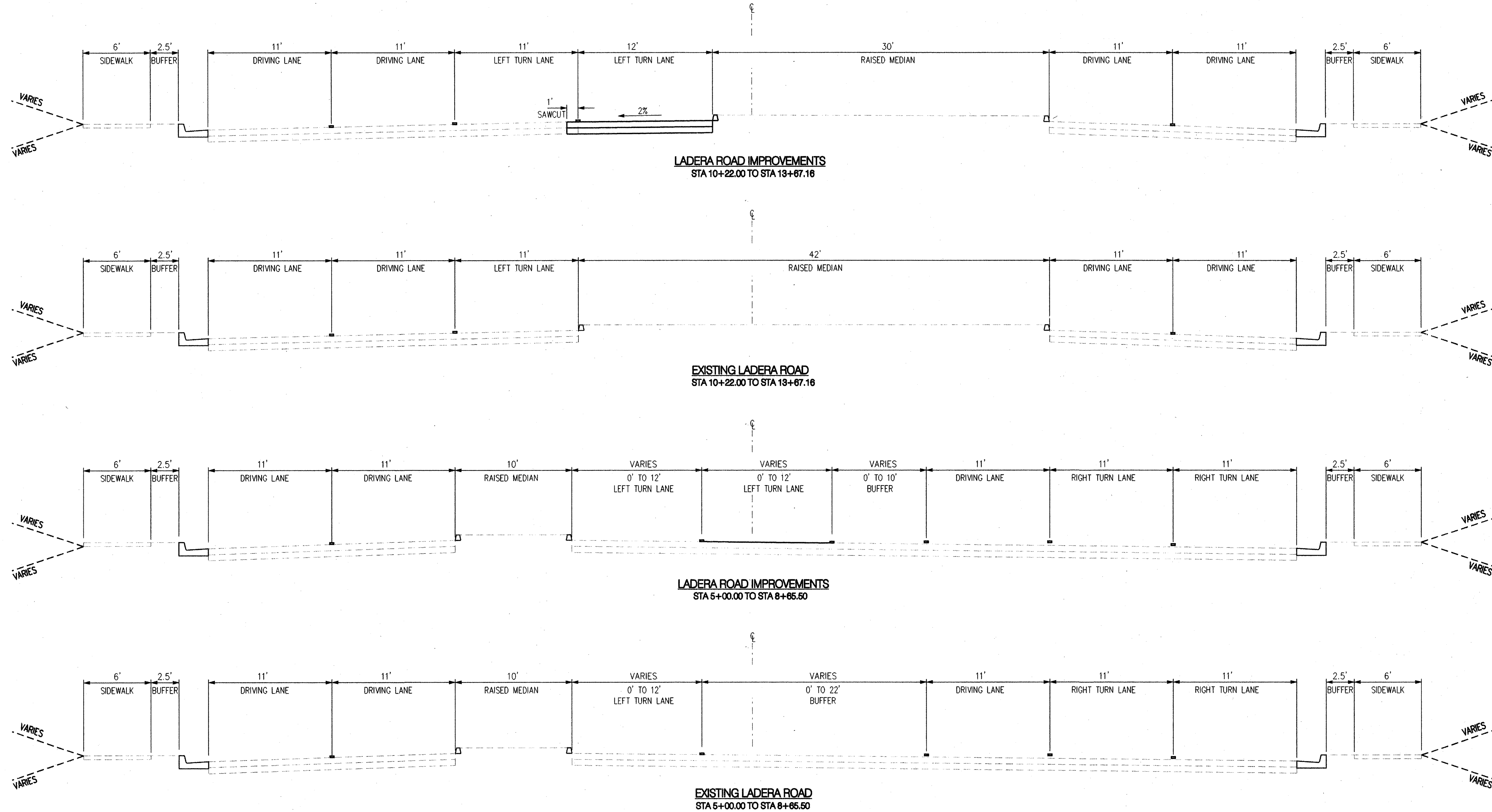
SHEET 3 OF 7



Bohannon & Huston
Courtney I 7500 Jefferson St. NE Albuquerque, NM 87109-4335
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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
UNSER BOULEVARD / LADERA ROAD INTERSECTION IMPROVEMENTS
PAVING PLAN & PROFILE

DESIGN REVIEW COMMITTEE APPROVED SEP 24 2007
CITY ENGINEER APPROVAL SEP 25 2007
LAST DESIGN UPDATE
MO./DAY/YR. MO./DAY/YR.
DESIGNED BY AEG DATE 2/2007
DRAWN BY LAH DATE 2/2007
CHECKED BY PFS



AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		DATE	
CONTRACTOR	DATE	STATIONS AND ELEVATIONS BASED UPON LOCAL CONTROL ESTABLISHED BY BH. USE	DATE	FIELD NOTES	DATE		BY	NO.	DATE	DESIGNED BY	AEG	DATE	6/2007
WORKED BY	DATE	BH-08-025-01(CAP)	DATE	BY	DATE								
INSPECTOR'S ACCEPTANCE BY	DATE	BH-08-025-02(CAP)	DATE	NO.	DATE								
FIELD DATA BY	DATE	AND BH-08-025-03(CAP) AS SHOWN IN PLANS TO ESTABLISH CONTROL	DATE										
DRAWINGS CORRECTED BY	DATE												
MICRO-FILM INFORMATION	DATE												
RECORDED BY	DATE												
NO.	DATE												

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CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
UNSER BOULEVARD / LADERA ROAD INTERSECTION IMPROVEMENTS
PAVING TYPICAL SECTIONS





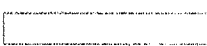
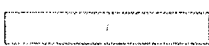
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
APPROVED SEP 2 8 2007 DESIGN REVIEW COMMITTEE	APPROVED SEP 2 8 2007 CITY ENGINEER		
LAST DESIGN UPDATE			


CITY PROJECT NO. 6588.91 ZONE MAP NO. H-9-Z SHEET 4 OF 7


TRAFFIC SIGNAL NOTES

1. ALL WORK ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT NATIONAL ELECTRIC CODE, THE STANDARDS OF THE NATIONAL BOARD OF FIRE UNDERWRITERS FOR ELECTRICAL WIRING AND APPARATUS AND THE CITY'S TRAFFIC ENGINEERING OPERATIONS THIRD DRAFT SPECIFICATIONS (JUNE 1994).
2. LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICAN WITH DISABILITIES ACT. THE CONTRACTOR SHALL MEET WITH THE CITY'S TRAFFIC ENGINEERING OPERATIONS PERSONNEL IN THE FIELD AT ALL LOCATIONS TO SPOT EQUIPMENT BEFORE BEGINNING THE WORK. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY.
3. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
4. THE CONTRACTOR SHALL BORE, DRILL OR PUSH WHEN CROSSING EXISTING PAVEMENTS AND ANY DRIVEWAYS FOR SIDE STREET CROSSINGS. BEFORE CONDUIT CAN BE BORED, DRILLED OR PUSHED THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES. THE CONTRACTOR SHALL LOCATE AND EXPOSE GAS LINES WHICH CROSS ANY PROPOSED BORES. THESE EXCAVATIONS SHALL REMAIN OPEN UNTIL AFTER THE BORE IS COMPLETE. CONTRACTOR SHALL REMOVE AND REPLACE IN KIND ANY SIDEWALK OR PAVEMENT REQUIRED TO EXPOSE SUCH LINES. THE CONTRACTOR MAY CUT, TRENCH, AND REPLACE EXISTING PAVEMENT ONLY WHEN APPROVED BY THE PROJECT MANAGER.
5. SPLICING OF COMMUNICATIONS CABLE WILL NOT BE PERMITTED IN PULL BOXES. SPLICING OF COMMUNICATIONS CABLE (CONNECTIONS) WILL BE PERMITTED ONLY AT SPLICE CABINETS OR CONTROLLER CABINETS WITH SPLICE BARS. SPLICING OF TRAFFIC SIGNALS MCC WILL BE PERMITTED IN LARGE PULL BOXES INCLUDING LARGE MEDIAN PULL BOXES. SPLICING OF VIDEO DETECTION COAXIAL CABLE WILL NOT BE PERMITTED FROM THE MASTARM BASE TO THE CONTROLLER CABINET. SPLICING OF OPTICAL DETECTOR CABLE WILL NOT BE PERMITTED FROM THE DETECTOR TO THE CONTROLLER CABINET.
6. ALL LOOP LEAD-IN CABLES SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH CABLE BY PHASE AND LOOP NUMBER. ALL VIDEO DETECTION COAXIAL AND POWER CABLES SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH CABLE BY CAMERA NUMBER AND LOCATION. ALL OPTICAL DETECTOR CABLE SHALL BE TAGGED AT THE CONTROL CABINET TO IDENTIFY EACH BY DIRECTION AND LOCATION.
7. ALL PULL BOXES SHALL BE REINFORCED POLYMER MORTAR HEAVY DUTY TYPE WITH REINFORCED POLYMER MORTAR HEAVY DUTY COVERS. CONCRETE COVERS, STEEL COVERS, AND CONCRETE PULL BOXES WILL NOT BE ACCEPTABLE.
8. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS (857-8000) THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN FIELD LOCATION OF EQUIPMENT, COLOR, CODING OF WIRING, AND MUST BE PRESENT WHEN SIGNALS AND LIGHTING ARE SHUT-OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS EACH TIME A TRAFFIC SIGNAL CONTROL DOOR IS OPEN.
9. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING AND DELIVER TO THE CITY TRAFFIC ENGINEERING YARDS WHEN TRAFFIC SIGNALS ARE PUT INTO OPERATION.
10. LIVE UNUSED CONDUCTORS WILL NOT BE ALLOWED AT MASTARM POLES AND PEDESTAL POLES. ALL SUCH UNUSED CONDUCTORS SHALL BE DISCONNECTED AT THE LARGE PULL BOX ADJACENT TO THE POLE.
11. IF TRENCH WIDTHS LESS THAN 12" ARE PROPOSED BY THE CONTRACTOR, APPROVED COMPACTION METHODS SHALL BE USED DURING BACKFILL TO PREVENT LATENT TRENCH FAILURES. THE CONTRACTOR SHALL USE GROUT OR LEAN FILL AS APPROVED BY THE PROJECT MANAGER IN LIEU OF EARTH BACKFILL.
12. FOR CONDUITS CONTAINING ONLY LOW VOLTAGE COMMUNICATIONS CABLES, THE REQUIREMENTS FOR A SINGLE CONDUCTOR BARE COPPER #8 AWG MAY BE WAIVED WHERE PERMITTED BY THE NATIONAL ELECTRIC CODE.
13. THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL PROVIDE TRAFFIC SIGNAL TIMING PLANS AND WILL PROGRAM TRAFFIC SIGNAL CONTROLLERS.
14. EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED.
15. EXISTING CONDUITS SHALL BE REPAIRED, ADJUSTED, OR REPLACED AS DIRECTED BY THE PROJECT MANAGER WHERE ELECTRICAL PULL BOXES OR TRAFFIC MANHOLES ARE INSTALLED OR REPLACED.
16. THE CONTRACTOR SHALL PROVIDE OFF-DUTY POLICE OFFICERS TO DIRECT TRAFFIC WHEN SIGNALS ARE TURNED OFF.
17. ALL DATA SHOWN HEREIN CONCERNING EXISTING UTILITIES HAS BEEN OBTAINED FROM "AS-BUILT" DRAWINGS AND FROM FIELD OBSERVATIONS WHICH MAY OR MAY NOT BE ACCURATE. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING, IF NECESSARY, TO MORE SPECIFICALLY LOCATE UTILITY LINES. COST OF LOCATING UTILITY LINES INCLUDING EXPLORATORY TRENCHING WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.
18. THE CONTRACTOR SHALL VIDEO TAPE THE EXISTING TRAFFIC SIGNAL EQUIPMENT IN VHS FORMAT AND REVIEW THE TAPE WITH CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL PRIOR TO BEGINNING ANY REMOVALS OF SIGNAL EQUIPMENT. THE TAPE SHALL BECOME THE PROPERTY OF THE CITY AND MAY BE USED TO RESOLVE ANY QUESTIONS RELATED TO THE ORIGINAL CONDITION AND QUALITY OF EXISTING EQUIPMENT. THE EXISTING TRAFFIC SIGNAL EQUIPMENT INCLUDING POLES, CONTROLLER CABINETS, CONFLICT MONITORS, AND DETECTORS SHALL BE DELIVERED TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING YARD ON PINO ROAD NE.

TRAFFIC SIGNAL & LIGHTING LEGEND


NEW	EXISTING	ITEM
		PULL BOX (SIGNAL)
		TRAFFIC SIGNAL PEDESTAL POLE
		LOOP DETECTOR

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN		MICRO-FILM INFORMATION							
CONTRACTOR	DATE	STATIONS AND ELEVATIONS BASED UPON LOCAL	CONTROL ESTABLISHED BY BHI - USE	FIELD NOTES	NO.	BY	DATE		REMARKS	BY	DATE	DESIGNED BY	DATE						
STARTED BY	DATE	BH-08-025-01(CAP)	BH-08-025-02(CAP)																
INSPECTED BY	DATE																		
FIELD VERIFICATION BY	DATE																		
CORRECTED BY		TO ESTABLISH CONTROL																	
RECORDED BY																			
NO.																			
DATE																			

Bohannon  **Huston**

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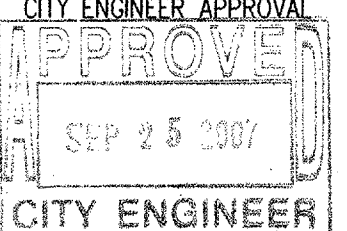
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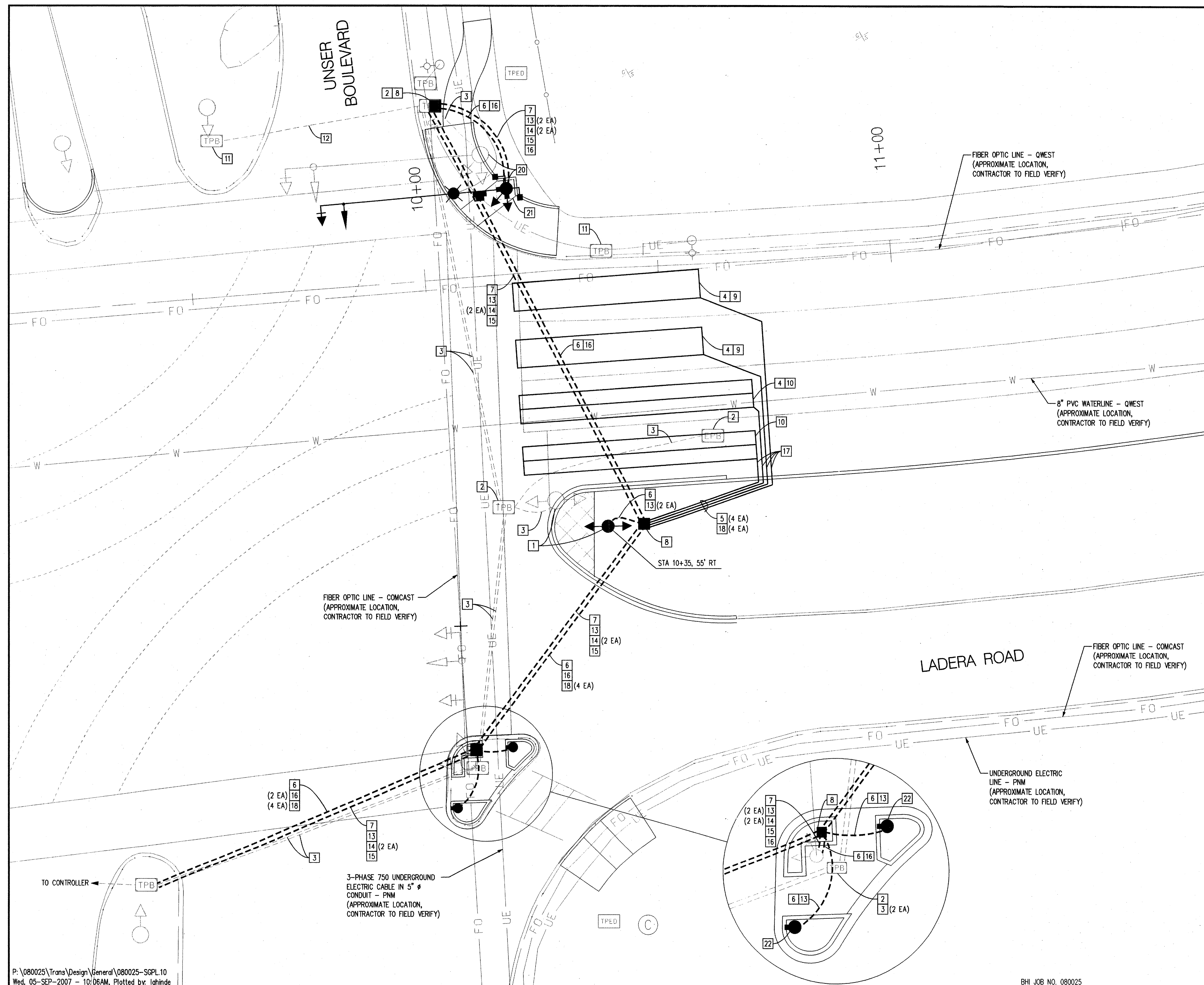
CITY OF ALBUQUERQUE
DEPARTMENT OF
MUNICIPAL DEVELOPMENT

UNSER BOULEVARD / LADERA ROAD INTERSECTION IMPROVEMENTS

SIGNAL NOTES AND LEGEND

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
				

CITY PROJECT NO.	6588.91	ZONE MAP NO.	H-9-Z	SHEET	5	OF	7
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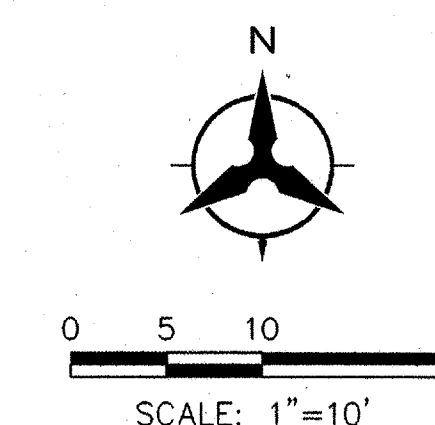


KEYED NOTES

- 1 REMOVE AND RELOCATE EXISTING PEDESTAL POLE AND SIGNAL HEAD. REMOVE AND DISPOSE EXISTING FOUNDATION. INSTALL NEW FOUNDATION AND PEDESTAL POLE AT LOCATION SHOWN
- 2 REMOVE AND DISPOSE EXISTING PULL BOX
- 3 ABANDON EXISTING CONDUIT, REMOVE AND DISPOSE EXISTING WIRING
- 4 ABANDON EXISTING LOOP, REMOVE AND DISPOSE EXISTING WIRING
- 5 INSTALL NEW 1" RIGID ELECTRICAL CONDUIT
- 6 INSTALL NEW 2" RIGID ELECTRICAL CONDUIT
- 7 INSTALL NEW 3" RIGID ELECTRICAL CONDUIT
- 8 INSTALL NEW PULL BOX (LARGE)
- 9 INSTALL NEW 6'X40' SYSTEM LOOP, CIP
- 10 INSTALL NEW 6'X50' QUADRUPOLE LOOP, CIP
- 11 EXISTING PULL BOX TO REMAIN
- 12 EXISTING CONDUIT TO REMAIN
- 13 INSTALL MULTI CONDUCTOR 5
- 14 INSTALL MULTI CONDUCTOR 20
- 15 INSTALL SINGLE CONDUCTOR #6
- 16 INSTALL OPTICOM CABLE FROM OPTICAL DETECTOR ON MASTARM TO CONTROLLER
- 17 INSTALL LOOP DETECTOR CABLE
- 18 INSTALL LOOP LEAD-IN CABLE FROM TERMINATION OF LOOP DETECTOR CABLE TO CONTROLLER
- 19 REMOVE AND DISPOSE EXISTING SIGNAL FOUNDATION
- 20 REMOVE AND RESET EXISTING SIGNAL MASTARM AND SIGNAL EQUIPMENT. INSTALL EXISTING SIGNAL EQUIPMENT FROM EQUIPMENT ON MASTARM TO CONDUIT AT FOUNDATION
- 21 BUILD FOUNDATION FOR MASTARM. FOUNDATION TO BE FLUSH WITH SIDEWALK
- 22 INSTALL TRAFFIC SIGNAL PEDESTAL POLE, 4' AND FOUNDATION WITH PUSH BUTTON STATION AND #5 MULTI CONDUCTOR FROM BASE TO STATION

NOTES

1. SPLICE MULTICONDUCTOR CONDUCTOR AS NEEDED.



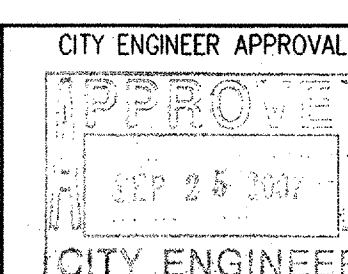
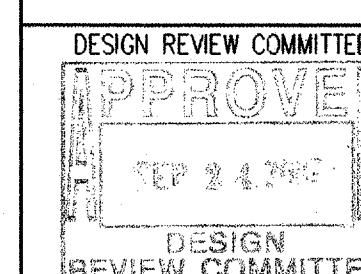
Bohannon & Huston

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UNSER BOULEVARD / LADERA ROAD INTERSECTION IMPROVEMENTS
SIGNAL MODIFICATION PLAN



MO./DAY/YR.	MO./DAY/YR.

CITY PROJECT NO. 6588.91 ZONE MAP NO. H-9-Z SHEET 6 OF 7

