



**UNIVERSITY OF NEW MEXICO HOSPITALS - NEW HOSPITAL TOWER
ARCHITECT'S SUPPLEMENTAL INSTRUCTIONS (ASI)**

Date: 11/23/2020
Project Univeristy of New Mexico Hospitals - New Hospital Tower
2211 Lomas Blvd NE
Albuquerque, NM 87106

Bid Package: Phase I - Make Ready
ASI #: 06

To: **AECOM Hunt**
Attn. Marc Peck
2120 S. Braeswood Blvd
Houston, TX 77030

The Contract Documents for the above referenced Project are requested be modified as set forth in this ASI. The original Contract Documents and any previously issued addenda remain in full force and effect, except as modified hereby. If modifications outlined in this ASI do not impact the Project's Cost of the Work or the Contractor's Construction Schedule, this ASI shall be made part of the Contract Documents. If a change in Construction Cost, Contract Sum, and/or Contract Time is warranted, the Contractor shall submit written notice in form of a Change Proposal (CP) containing detailed information within (14) days substantiating such claim to the A/E. The claim shall be made in accordance with the provisions of the Contract Documents, and the Contractor shall submit an itemized cost breakdown showing time, material and other items affected by the change. Upon acceptance of respective CP, a Change Order shall be prepared for signatures to affect a change to the contract. The Owner's authorization is required prior to proceeding with any Work which will incur additional cost and/or time.

No	Doc Ref	Revision description
CIVIL		
1	CABQ Project 631783 (4 sheets)	City Approved work order for signing, striping, and signalling @ Univeristy Blvd. & Tucker Ave. (Work as described in the attached 4 sheets)

HDR Architecture, Inc./ FBT Architects

Revised sheets added 2/23/2021

Cc: Design Team
File

CONSTRUCTION PLANS
FOR
UNMH - UNIVERSITY BLVD. AND TUCKER AVE.
MODIFICATIONS
PROJECT # 631783
ALBUQUERQUE, NEW MEXICO

INDEX

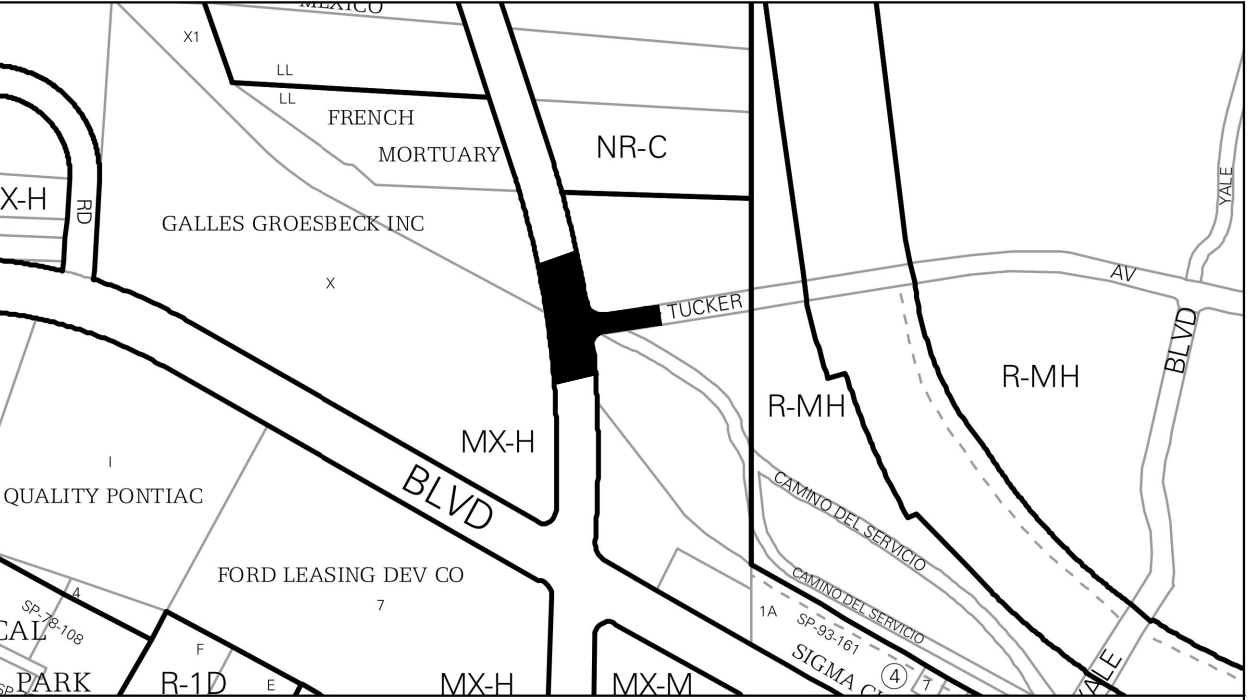
SHEET NUMBER	DWG NUMBER	DESCRIPTION
1	C-01	COVER
2	PS-01	PERMANENT SIGNING AND STRIPING PLAN UNIVERSITY AVE @ TUCKER AVE NE
3	SG-01	SIGNAL PLAN LAYOUT UNIVERSITY AVE @ TUCKER AVE NE
4	SG-02	SIGNAL PLAN DETAILS UNIVERSITY AVE @ TUCKER AVE NE

NOTES

- THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING UTILITY LOCATIONS AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.
- ALL CURVE DATA AND DIMENSIONS REFER TO FACE OF CURB UNLESS OTHERWISE SPECIFIED.
- ELECTRONIC MARKER SPHERES (EMS) WILL BE PLACED ACCORDING TO SECTION 170 OF THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION AS REVISED THROUGH UPDATE #9.
- 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 ENGINEER.
- 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.
- 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.
- THE CONTRACTOR SHALL OBTAIN ALL THE NECESSARY PERMITS FOR THE PROJECT PRIOR TO COMMENCING CONSTRUCTION (I.E. BARRICADING, SURFACE DISTURBANCE).

- ALL BARRICADES AND CONSTRUCTION SIGNING SHALL CONFORM TO APPLICABLE SECTIONS OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD), U.S. DEPARTMENT OF TRANSPORTATION, LATEST EDITION.
- 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.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB & GUTTER, DRIVE PADS, STRIPING & SIGNAGE, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION AT HIS OWN EXPENSE.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED-OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.652.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNAGE UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY OF ALBUQUERQUE.
- ALL SWPPP EROSION CONTROL MEASURES MUST BE REMOVED FROM THE RIGHT OF WAY PRIOR TO FINAL ACCEPTANCE.
- MAINTAIN PEDESTRIAN PATHWAYS AND ACCESSIBLE ROUTE DURING CONSTRUCTION OR PROVIDE SIDEWALK CLOSED SIGNAGE.
- CCTV MOUNTING ASSEMBLY SHALL BE SECURED WITH A MINIMUM OF 2 BANDING STRAPS. THE MOUNTING ASSEMBLY OR ARM SHALL BE POINTED TOWARD THE CENTER OF THE INTERSECTION. CCTV CAMERA SHALL BE MOUNTED WITHIN ONE DEGREE OF LEVEL ON BOTH HORIZONTAL AXIS.
- ALL CABLING FOR THE CCTV SHALL RUN UNSPLICED FROM THE CCTV CAMERA TO THE CONTROL CABINET

- THE CONTRACTOR SHALL NOTIFY PNM 30 DAYS IN ADVANCE OF ANTICIPATED POWER SERVICE CONNECTIONS. THE CONTRACTOR SHALL COORDINATE WITH PNM TO ESTABLISH TEMPORARY ELECTRICAL SERVICE FOR THE TEMPORARY SIGNAL. THE CONTRACTOR SHALL PAY THE LOCAL POWER COMPANY ALL COSTS TO PROVIDE ELECTRICAL SERVICE. THIS WORK IS CONSIDERED INCIDENTAL TO CONSTRUCTION.
- CONTRACTOR TO INPUT INITIAL SIGNAL TIMING SHOWN ON SHEET 4. FOLLOWING THE SIGNAL POWER UP THESE INITIAL SIGNAL TIMINGS WILL BE ADJUSTED AND OPTIMIZED FOR ACTUAL TRAFFIC BY BOHANNAN HUSTON THROUGH A SUBCONSULTANT FOR THE TEMPORARY SIGNAL. AFTER TEMPORARY SIGNAL IS FUNCTIONING, IF ANY TRAFFIC SIGNAL TIMING ADJUSTMENTS ARE NECESSARY DUE TO LANE CLOSURES, OR CHANGES IN TRAFFIC PATTERNS, THE CONTRACTOR WILL NOTIFY THE ENGINEER (BOHANNAN HUSTON) AT LEAST 48 HOURS IN ADVANCE, SO THAT ANY NEEDED TRAFFIC SIGNAL TIMING ADJUSTMENTS CAN BE MADE.



VICINITY MAP

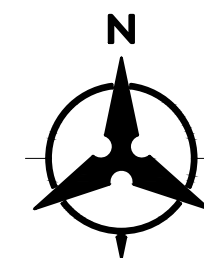
NOTICE TO CONTRACTORS

- AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN THE CITY RIGHT-OF-WAY.
- 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. 9
- TWO WORKING DAYS PRIOR TO ANY EXCAVATION, THE CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 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.
- 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 CONST. COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY CONSTRUCTION COORDINATION ENGINEER (924-3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF THE GENERAL CONDITIONS OF THE STANDARD SPECIFICATIONS.
- 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.
- 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. 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. 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.
- CONTRACTOR SHALL RECORD DATA ON ALL UTILITY LINES AND ACCESSORIES AS REQUIRED BY THE CITY OF ALBUQUERQUE AND ALBUQUERQUE BERNALILLO COUNTY WATER UTILITY AUTHORITY FOR THE PREPARATION OF "AS CONSTRUCTED" DRAWINGS. CONTRACTOR SHALL NOT COVER UTILITY LINES AND ACCESSORIES UNTIL ALL DATA HAS BEEN RECORDED.
- CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY GRAFFITI FROM ALL EQUIPMENT, WHETHER PERMANENT OR TEMPORARY.
- THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF WELL COLLECTORS, TRANSMISSION LINES, OR FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT http://abqewa.org/Water_Shut_off_and_Turn_on_Procedures.aspx
- THE CONTRACTOR /DEVELOPER SHALL BE RESPONSIBLE FOR MAINTAINANCE AND SIGNAL TIMING RESPONSIBILITIES OF TEMPORARY SIGNAL.

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			APPROVED FOR CONSTRUCTION		
		Transportation					
		Water/Wastewater					
		Hydrology					
		Parks					
		Const. Mngmt.			CITY ENGINEER		
		Const. Coord.					
		NMUI			DATE		
DRB CASE NUMBER		CITY PROJECT NO.		SHEET		OF	
N/A		631783		1		4	



CITY OF ALBUQUERQUE
DEPARTMENT OF
MUNICIPAL DEVELOPMENT

UNMH MODERN MEDICAL FACILITY
PERMANENT SIGNING AND STRIPING
UNIVERSITY AVE @ TUCKER AVE NE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.		MO./DAY/YR.	
CITY PROJECT NO. 631783		ZONE MAP NO. J15	SHEET 2	OF 4		

1. REMOVE AND SALVAGE EXISTING STOP SIGN. REINSTALL WHEN THE TEMPORARY SIGNAL IS REMOVED
2. REMOVE PAVEMENT MARKINGS.
3. INSTALL REFLECTORIZED PAINTED 4" SOLID WHITE STRIPE
4. INSTALL REFLECTORIZED PAINTED 4" DOUBLE YELLOW STRIPE
5. INSTALL RELECTORIZED PAINTED WHITE 24" SOLID WHITE STRIPE (FOR STOP BARS)
6. PAINTED MEDIAN NOSE - REFLECTORIZED YELLOW PAINT. PAINT 6' BACK FROM PC/PT
7. DID NOT USE
8. DID NOT USE
9. DID NOT USE
10. INSTALL RELECTORIZED PAINTED WHITE 24" SOLID WHITE STRIPE (FOR CROSSWALK)
11. EXISTING PAVEMENT MARKINGS TO REMAIN
12. EXTENT OF STRIPING REMOVALS. MATCH EXISTING
13. DID NOT USE
14. DID NOT USE
15. INSTALL NEW ADA PEDESTRIAN RAMP PER COA STANDARD DRAWING 2443 DETAIL A - PARALLEL CURB RAMP.
16. REMOVE ADA RAMP AND INSTALL AT GRADE SIDEWALK WHEN TEMPORARY SIGNAL IS REMOVED.
17. REMOVE CROSSWALK STRIPING WHEN TEMPORARY SIGNAL IS REMOVED. RAMP AND CROSSWALK TO REMAIN FOR THE DURATION OF THE TEMPORARY SIGNAL.
18. EXISTING FIRE HYDRANT TO REMAIN PROTECTED IN PLACE.

1. ALL PAVEMENT STRIPING SHALL BE RESTORED TO EXISTING CONDITIONS WHEN TEMPORARY SIGNAL IS REMOVED

SURVEY INFORMATION		
FIELD NOTES		
NO.	BY	DATE

ENGINEER'S SEAL



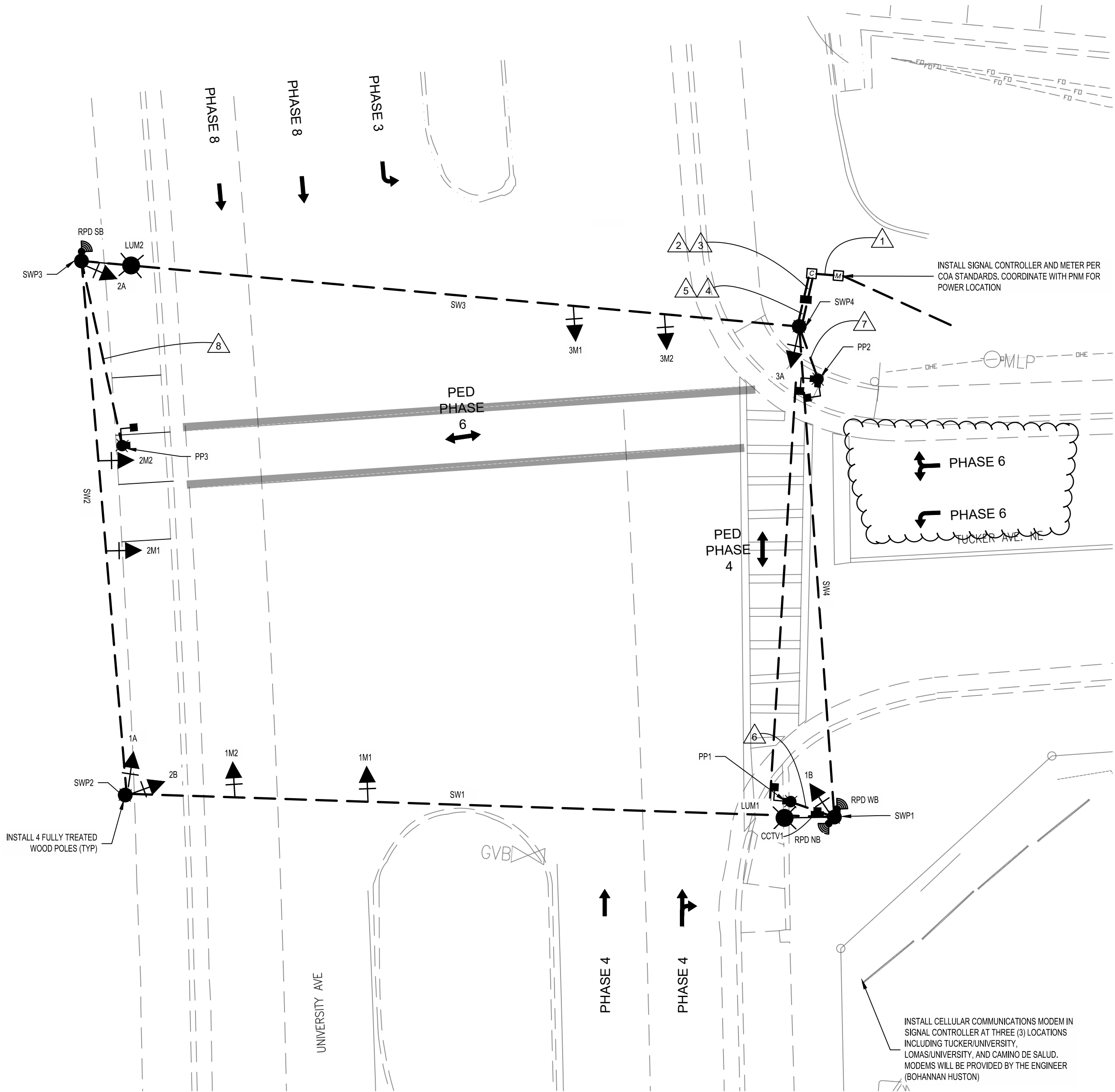
AS-BUILT INFORMATION

CONTRACTOR	DATE
WORK STARTED BY	DATE
ACCEPTANCE BY	DATE
FIELD LOCATION BY	DATE
DRAWINGS	DATE
CHECKED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	DATE

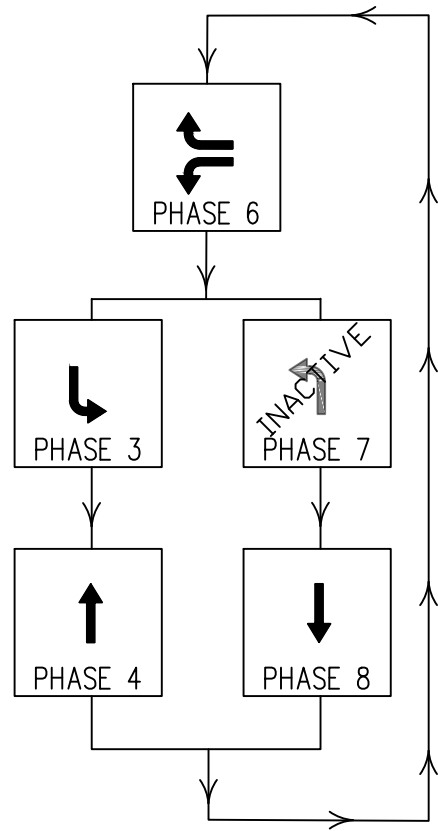
RECEIVED BY _____ DATE _____

MICRO-FILM INFORMATION

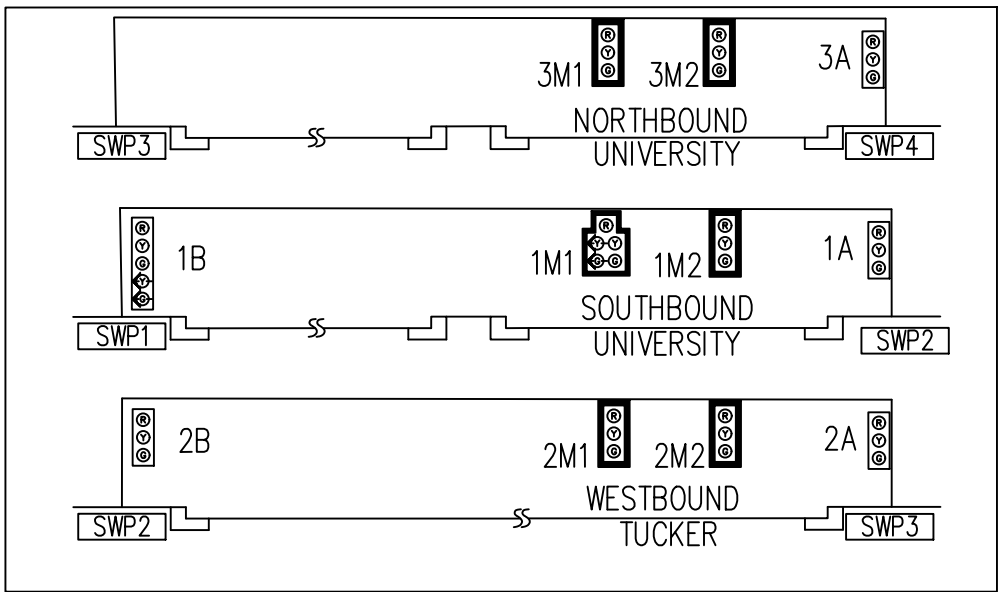
GROUND-TO-GRID FACTOR = 0.999679809	RECORDED BY	DATE
DELTA ALPHA = -00°13'26.78"	NO.	DATE
NAVD 1988 ELEVATION= 5010.623 USft		



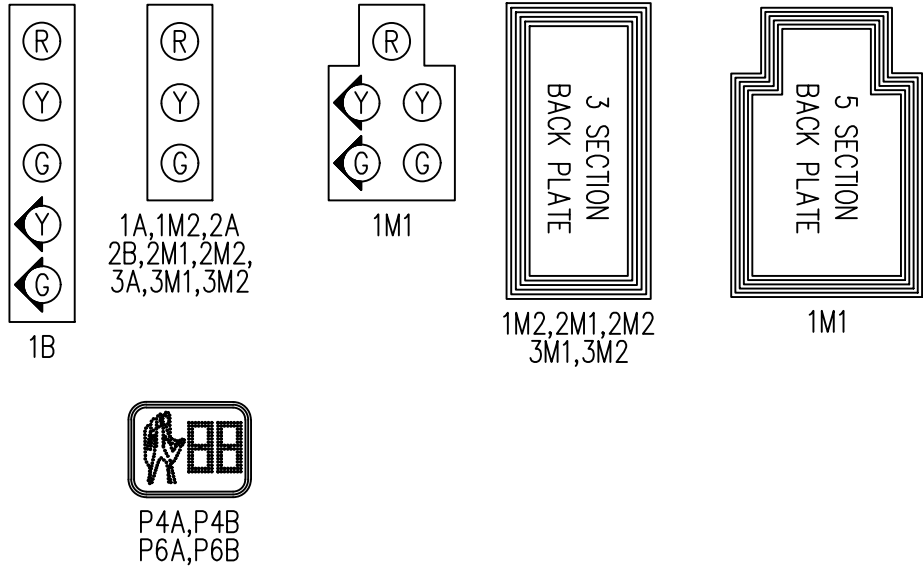
SIGNAL PHASING



TRAFFIC SIGNAL CONFIGURATION BY APPROACH



TYPICAL SIGNAL FACE LENS ARRANGEMENTS



FLASH CONDITION

RED BALL 1A,1B,3A
1M1,1M2,3M1,3M2

RED BALL 2A,2B
2M1,2M2

INITIALIZATION

ALL RED, THEN PHASE 4 AND 8 GREEN

SIGNAL POLES AND MASTARMS					
ID#	TYPE	NORTHING	EASTING	LUMINAIRE MOUNTING HEIGHT	LUMINAIRE ARM
SWP1	SPAN WIRE POLE - 40'	1488830.9687'	1528182.7041'	40	10
SWP2	SPAN WIRE POLE - 40'	1488826.9389'	1528096.4465'	-	-
SWP3	SPAN WIRE POLE - 40'	1488891.3649'	1528086.083'	40	10
SWP4	SPAN WIRE POLE - 40'	1488890.1905'	1528173.7989'	-	-
PP1	MOVEABLE PUSH BUTTON STATION	1488832.4404'	1528177.2575'	-	-
PP2	MOVEABLE PUSH BUTTON STATION	1488883.9827'	1528176.5798'	-	-
PP3	MOVEABLE PUSH BUTTON STATION	1488869.3338'	1528092.7543'	-	-

SYMBOL KEY

- MAX SIGNAL & CABINET ID
- PULL BOX
- SERVICE POLE
- METER PEDESTAL
- CONTROLLER CABINET
- TRAFFIC SIGNAL PEDESTAL POLE WITH PEDESTRIAN SIGNAL AND PUSHBUTTON
- SIGNAL HEAD WITH BACKPLATE
- SIGNAL HEAD WITHOUT BACKPLATE
- RADAR DETECTOR
- LUMINAIRE

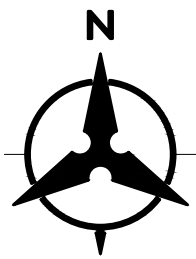
ABBREVIATIONS

- SWP1 SPAN WIRE POLE NUMBER
- SW1 SPAN WIRE NUMBER
- PP1 PEDESTAL POLE NUMBER
- PPB1 PEDESTRIAN PUSH BUTTON NUMBER
- P1 PEDESTRIAN SIGNAL NUMBER
- LUM1 LUMINAIRE NUMBER
- CC1 CONTROL CABINET NUMBER
- PB1 PULL BOX NUMBER
- 3A SIGNAL HEAD NUMBER
- RPD1 RADAR PRESENCE DETECTOR

NOTES:

- CONTRACTOR SHALL INSTALL TEMPORARY 40' POLES FOR SPAN WIRE WITH DOWN GUYS.
- USE SPAN WIRE TO CARRY APPROPRIATE WIRE, SEE CABLE AND CONDUIT CHARTS ON SHEET 4
- MOUNT 10 FT LUMINAIRE ARMS ON SWP1 AND SWP3 FOR ROADWAY LIGHTING.
- PEDESTRIAN SIGNAL AND PUSHBUTTON SHALL BE LOCATED TO BE ADA ACCESSIBLE.
- MOUNT TEMPORARY STREET NAME SIGN ON SW1,SW2 AND SW3
- ALL RADAR DETECTION EQUIPMENT SHALL BE MOUNTED ON THE WOOD POLE.
- THE FOLLOWING ITEMS SHALL BE USED ON THIS PROJECT:
WAVETRONIX RADAR DETECTION SYSTEM FOR ALL PRESENCE DETECTION
METER PEDESTAL SHALL CONFORM TO COA STD DWG 2572
LUMINAIRES SHALL BE CREE 165 WATT FIXTURES
CCTV TO BE DOME CCTV UNIT
- ALL EQUIPMENT SHALL CONFORM TO COA STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL ENSURE THAT THE LOWEST SIGNAL SPAN WIRE IS AT LEAST 18 FT ABOVE THE SURFACE OF THE ROADWAY AT ALL TIMES.

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	ALBUQUERQUE GEODETIC REFERENCE	STATION 5, K168R RESET 1982"	FIELD NOTES	DATE		
INSPECTED BY	DATE	STATION 5, K168R RESET 1982"	STATION 5, K168R RESET 1982"	BY	DATE		
ACCEPTANCE BY	DATE	GEODETIC POSITION (NAD 1983)	GEODETIC POSITION (NAD 1983)	NO.			
VERIFICATION BY	DATE	NM STATE PLANE COORDINATES	NM STATE PLANE COORDINATES				
DRAWINGS CORRECTED BY	DATE	CENTRAL ZONE, US SURVEY FOOT	CENTRAL ZONE, US SURVEY FOOT				
MICRO-FILM INFORMATION		GROUND-TO-GRID FACTOR = 0.99979809					
RECORDED BY	DATE	DELTA ALPHA = 40° 32' 7.8"					
NO.		NAVD 1988 ELEVATION = 5010.623 USI					



Bohannon & Huston
www.bhinc.com 800.877.5332



CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT

UNMH MODERN MEDICAL FACILITY
SIGNAL PLAN LAYOUT
UNIVERSITY AVE @ TUCKER AVE NE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO.	631783	ZONE MAP NO.	J15	SHEET 3 OF 4

CONDUIT AND CONDUCTOR REQUIREMENTS - TUCKER / UNIVERSITY TEMPORARY SIGNAL													
CONDUIT LENGTH, SIZE, AND TYPE							CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE						
RUN	SIZE/LENGTH			TYPE	BOX	REMARKS	MCC 5 (#@FT)	MCC 7 (#@FT)	MCC 20 (#@FT)	SCC #2 (#@FT)	SCC #6 (#@FT)	RADAR CABLE (#@FT)	CCTV CABLE (#@FT)
ID	1"	2"	3"										
P1		60				POWER TO M				3 @ 70			
1			30	REC		M TO CC1				2 @ 20	1 @ 20		
2		10		REC		CC1 TO PB1					1 @ 20	3 @ 20	1 @ 20
3			10	REC		CC1 TO PB1	1 @ 20		1 @ 20				
4		15		REC		PB1 TO SWP4	1 @ 20		1 @ 20			3 @ 20	1 @ 20
5			15	REC		PB1 TO SWP4					1 @ 20		
6		25		REC		SWP1 TO PP1	1 @ 55						
7			10	REC		SWP4 TO PP2	1 @ 40						
8			30	REC		SWP3 TO PP3	1 @ 60						
SWP1						BASE TO SW1	1 @ 20	1 @ 20	1 @ 20			1 @ 20	
SWP1						BASE TO 1B		1 @ 15					
SWP1						BASE TO LUM1					1 @ 20		
SWP1						BASE TO RAD WB						1 @ 40	
SWP1						BASE TO RAD NB						1 @ 40	
SWP1						BASE TO CCTV1							1 @ 20
SWP2						SW1 TO 1A	1 @ 15						
SWP2						SW1 TO 2B	1 @ 15						
SWP3						SW3 TO LUM2					1 @ 20		
SWP3						SW3 TO 2A	1 @ 15						
SWP3						SW3 TO RAD SB						1 @ 25	
SWP4						SW4 TO 3A	1 @ 20						
SW1						SWP1 TO SWP2	1 @ 90		1 @ 90			1 @ 90	
SW1						SWP1 TO 1M1		1 @ 75					
SW1						SWP1 TO 1M2	1 @ 80						
SW2						SWP2 TO SWP3	1 @ 70		1 @ 70			1 @ 70	
SW2						SWP2 TO 2M1	1 @ 35						
SW2						SWP2 TO 2M2	1 @ 45						
SW3						SWP3 TO SWP4	1 @ 90		1 @ 90		1 @ 90		
SW3						SWP3 TO 3M1	1 @ 75						
SW3						SWP3 TO 3M2	1 @ 60						
SW4						SWP4 TO SWP1	1 @ 70		1 @ 70		1 @ 70		1 @ 70
TOTALS	0	110	95				895	110	380	40	260	405	130

FUNCTION CHART - 24 VOLT CIRCUIT			
CONDUCTOR		RING 1-MULTI CONDUCTOR CABLE 5	
NUMBER	BASE COLOR	FUNCTION	FIELD CONNECTION
1	BLACK	PHASE 6PPB	PPB6A, PPB6B
2	WHITE	COMMON	PPB4A, PPB4B, PPB6A, PPB6B
3	RED	PHASE 4PPB	PPB4A, PPB4B
4	GREEN	SPARE	SPARE
5	ORANGE	SPARE	SPARE

INITIAL EQUIPMENT TIMING

	Ø1	Ø2	Ø3	Ø4	Ø5	Ø6	Ø7	Ø8
MINIMUM INITIAL	-	-	6	20	-	20	-	20
VEHICLE EXTENSION	-	-	2	7	-	2	-	7
MAXIMUM	-	-	15.4	34.6	-	60	-	50
YELLOW CHANGE	-	-	3	4	-	4	-	4
RED CLEAR	-	-	1.0	2.0	-	1.0	-	2.0
WALK	-	-	0	5	-	-	-	-
PEDESTRIAN CLEAR	-	-	0	16	-	-	-	-
OPERATION	-	-	MEM OFF	MAX RECALL	-	MEM OFF	-	MAX RECALL


FUNCTION CHART - 115 VOLT CIRCUIT				
CONDUCTOR		RING 1-MULTI CONDUCTOR CABLE 20		
NUMBER	BASE COLOR	TRACER	FUNCTION	FIELD CONNECTION
1	BLACK	-	SPARE	SPARE
2	WHITE	-	SPARE	SPARE
3	RED	-	SPARE	SPARE
4	GREEN	-	PHASE 3 GREEN	GREEN BALL 1M1,1B
5	ORANGE	-	PHASE 3 YELLOW	YELLOW BALL 1M1,1B
6	BLUE	-	SPARE	SPARE
7	WHITE	BLACK	SPARE	SPARE
8	RED	BLACK	PHASE 4 RED	RED BALL 3M1,3M2,3A
9	GREEN	BLACK	PHASE 4 GREEN	GREEN BALL 3M1,3M2,3A
10	ORANGE	BLACK	PHASE 4 YELLOW	YELLOW BALL 3M1,3M2,3A
11	BLUE	BLACK	PHASE 4 WALK	PEDESTRIAN WALK P4A,P4B
12	BLACK	WHITE	PHASE 4 DON'T WALK	PEDESTRIAN DON'T WALK P4A,P4B
13	RED	WHITE	PHASE 6 RED	RED BALL 2M1,2M2,2A,2B
14	GREEN	WHITE	PHASE 6 GREEN	GREEN BALL 2M1,2M2,2A,2B
15	BLUE	WHITE	PHASE 6 YELLOW	YELLOW BALL 2M1,2M2,2A,2B
16	BLACK	RED	PHASE 8 RED	RED BALL 1M1,1M2,1A,1B
17	WHITE	RED	PHASE 8 GREEN	GREEN BALL 1M1,1M2,1A,1B
18	ORANGE	RED	PHASE 8 YELLOW	YELLOW BALL 1M1,1M2,1A,1B
19	BLUE	RED	SPARE	SPARE
20	RED	GREEN	SPARE	SPARE

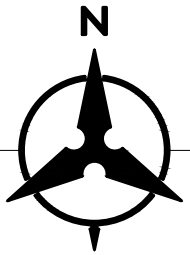
SYMBOL KEY

MAX	SIGNAL & CABINET ID
■	PULL BOX
▼	SERVICE POLE
▣	METER PEDESTAL
Ⓢ	CONTROLLER CABINET
⬇	TRAFFIC SIGNAL PEDESTAL
⬇	POLE WITH PEDESTRIAN SIGNAL AND PUSHBUTTON
⬇	SIGNAL HEAD WITH BACKPLATE
⬇	SIGNAL HEAD WITHOUT BACKPLATE
📡	RADAR DETECTOR
★	LUMINAIRE

ABBREVIATIONS

SWP1	SPAN WIRE POLE NUMBER
SW1	SPAN WIRE NUMBER
PP1	PEDESTAL POLE NUMBER
PPB1	PEDESTRIAN PUSH BUTTON NUMBER
P1	PEDESTRIAN SIGNAL NUMBER
LUM1	LUMINAIRE NUMBER
CC1	CONTROL CABINET NUMBER
PB1	PULL BOX NUMBER
3A	SIGNAL HEAD NUMBER
RPD1	RADAR PRESENCE DETECTOR

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		NO.	BY	DATE	ALBUQUERQUE GEODETIC REFERENCE	CONTRACTOR	DATE
					STATION 5, K168R RESET 1982"	WORKED BY	DATE
		NO.	DATE		GEODETIC POSITION (NAD 1983)	INSPECTORS	DATE
					NM STATE PLANE COORDINATES	ACCEPTANCE BY	DATE
		NO.			(CENTRAL ZONE, US SURVEY FOOT)	VERIFICATION BY	DATE
					N= 1485713.73 USI E= 1523768.851 USI	DRAWINGS CORRECTED BY	DATE
		NO.			GROUND-TO-GRID FACTOR = 0.999879809	MICRO-FILM INFORMATION	
					DELTA ALPHA = -40° 13'26.78"	RECORDED BY	DATE
					NAVD 1988 ELEVATION= 5070.023 USI	NO.	DATE



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CITY OF ALBUQUERQUE
DEPARTMENT OF
MUNICIPAL DEVELOPMENT

UNMH MODERN MEDICAL FACILITY
SIGNAL PLAN DETAILS
UNIVERSITY AVE @ TUCKER AVE NE

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	LAST DESIGN UPDATE	MO./DAY/YR.		MO./DAY/YR.		
CITY PROJECT NO.		ZONE MAP NO.	J15	SHEET	4	OF	4
631783							