CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT PLANS FOR CONSTRUCTION

NEW MEXICO RAIL RUNNER EXPRESS MONTANO STATION

PROJECT #559282

INDEX OF SHEETS

- CONTRACTOR SHALL WORK CONTINUOUSLY, 24 HOURS PER DAY. ON ALL ARTERIAL ROADWAYS WHEN TRAFFIC LANES ARE CLOSED TO TRAFFIC UNLESS THE WORK VIOLATES THE CITY'S NOISE ORDINANCE.
- IF THE CONTRACTOR IS NOT ALLOWED TO WORK AT NIGHT DUE TO THE CITY'S NOISE ORDINANCE, THE CONTRACTOR SHALL OPEN ALL TRAFFIC LANES TO TRAFFIC WITH THE PROPER USE OF TRENCH PLATES DURING NON-WORKING HOURS. AND MUST WORK MINIMUM HOURS FROM 9:00 A.M. TO 3:00 P.M. MONDAY THROUGH SATURDAY.
- ARTERIAL STREETS ARE AS INDICATED IN THE "LONG RANGE ROADWAY SYSTEM" MAP PUBLISHED BY THE MID-REGION COUNCIL OF GOVERNMENTS (MRCOG).

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- MONTANO BLVD. DETAIL SHEET
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- 11.) MONTANO BLVD INTERCONNECT PLAN
- 12.) MONTANO BLVD, SPLICE DETAIL

- 1. ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED, EXCEPT AS OTHERWISE STATED OR PROVIDED HEREON, SHALL BE CONSTRUCTED IN ACCORDANCE WITH CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION THROUGH UPDATE #7, INCLUDING AMENDMENT NO. 1, AND WILL BE REFERRED TO HEREIN AS STANDARD SPECIFICATIONS:
- 2. ALL CONSTRUCTION WITHIN CITY RIGHT-OF-WAY OR EASEMENTS MUST BE DONE FROM APPROVED WORK ORDER DOCUMENTS FROM THE CITY.
- 3. ALL WORK ON THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS CONCERNING CONSTRUCTION SAFETY AND HEALTH.

ZONE ATLAS MAP F-15

- 4. CONTRACTOR AGREES THAT HE SHALL ASSUME THE SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD HARMLESS THE OWNER AND ENGINEER FROM ANY AND ALL LIABILITY REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- 5. ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE ACCOMPLISHED IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART P.
- 6. AN EXCAVATION/CONSTRUCTION PERMIT WILL BE REQUIRED BEFORE BEGINNING ANY WORK WITHIN CITY RIGHT-OF-WAY.
- 7. 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 INSURE 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. 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
- 8. SEVEN (7) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, CONTRACTOR SHALL SUBMIT TO DMD, CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL OBTAIN A BARRICADING PERMIT FROM THE DMD, CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (924—3400) PRIOR TO OCCUPYING AN INTERSECTION. REFER TO SECTION 19 OF STANDARD SPECIFICATIONS. PERMIT REQUESTS MAY BE DENIED OR DELAYED DUE TO CONFLICTS WITH
- 9. TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT NEW MEXICO ONE CALL SYSTEM (260-1990) FOR LOCATION OF EXISTING UTILITIES.
- 10. CONTRACTOR SHALL ASSIST THE ENGINEER/INSPECTOR IN THE RECORDING OF 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.
- 11. AT HIS OWN EXPENSE, CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENT, PAVEMENT MARKINGS, CURB AND GUTTER, WHEELCHAIR RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS AND SHALL REPAIR OR REPLACE, PER STANDARD SPECIFICATIONS.
- 12. ALL STREET STRIPING, ALTERED OR DESTROYED, SHALL BE REPLACED WITH THERMOPLASTIC REFLECTORIZED PAVEMENT MARKINGS BY CONTRACTOR TO SAME LOCATION AS EXISTING, OR AS INDICATED BY THIS PLAN SET. CONTRACTOR SHALL COORDINATE WITH CITY TRAFFIC OPERATIONS.
- 13, CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE. CONTRACTOR SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT,
- 14. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE AND MAINTAIN ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE
- 15. EXISTING UTILITY LINE LOCATIONS ARE SHOWN IN AN APPROXIMATE MANNER ONLY AND SUCH LINES MAY EXIST WHERE NONE ARE SHOWN. THE LOCATION OF ANY SUCH EXISTING LINES IS BASED UPON INFORMATION PROVIDED BY THE UTILITY COMPANY, THE OWNER, OR BY OTHERS, AND THE INFORMATION MAY BE INCOMPLETE OR MAY BE OBSOLETE BY THE TIME CONSTRUCTION COMMENCES.
- 16. THE ENGINEER HAS UNDERTAKEN NO FIELD VERIFICATION OF THE LOCATION, DEPTH, SIZE, OR TYPE OF EXISTING UNDERGROUND UTILITY LINES, MAKES NO REPRESENTATION PERTAINING THERETO, AND ASSUMES NO RESPONSIBILITY OR LIABILITY THEREFOR. CONTRACTOR SHALL INFORM ITSELF OF THE LOCATION OF ANY UTILITY LINE IN OR NEAR THE AREA OF THE WORK IN ADVANCE OF AND DURING EXCAVATION WORK. CONTRACTOR IS FULLY responsible for any and all damage caused by its failure to locate, identify, and preserve any and all existing utilities.
- 17. REMOVALS SHALL BE DISPOSED OF OFF-SITE AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 18. WHEN ABUTTING EXISTING PAVEMENT TO NEW, SAWCUT EXISTING PAVEMENT TO A STRAIGHT EDGE AND AT A RIGHT ANGLE, OR AS APPROVED BY THE FIELD ENGINEER. REMOVAL OF BROKEN OR CRACKED PAVEMENT WILL ALSO BE REQUIRED.
- 19. REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK SHALL BE TO THE NEAREST JOINT OR SAW CUT.

USER DEPARTMENT USER DEPARTMENT APPROVED FOR ENGINEER'S STAMP & SIGNATURE APPROVED ENGINEER ABCWUA ydrology AMAFCA onstr. Coord. CITY ENGINEER DATE ZONE ATLAS NO. PROJECT NUMBER DRAWING NO. 1 OF 59

65% SUBMITTAL



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TIME WARNER TELECOM ROYAL HARRISON

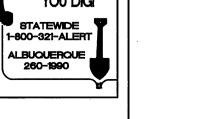
Plant Manager 3830 Singer Blvd. NE, Suite 1000 Albuquerque, NM 87109 (505) 938-7339

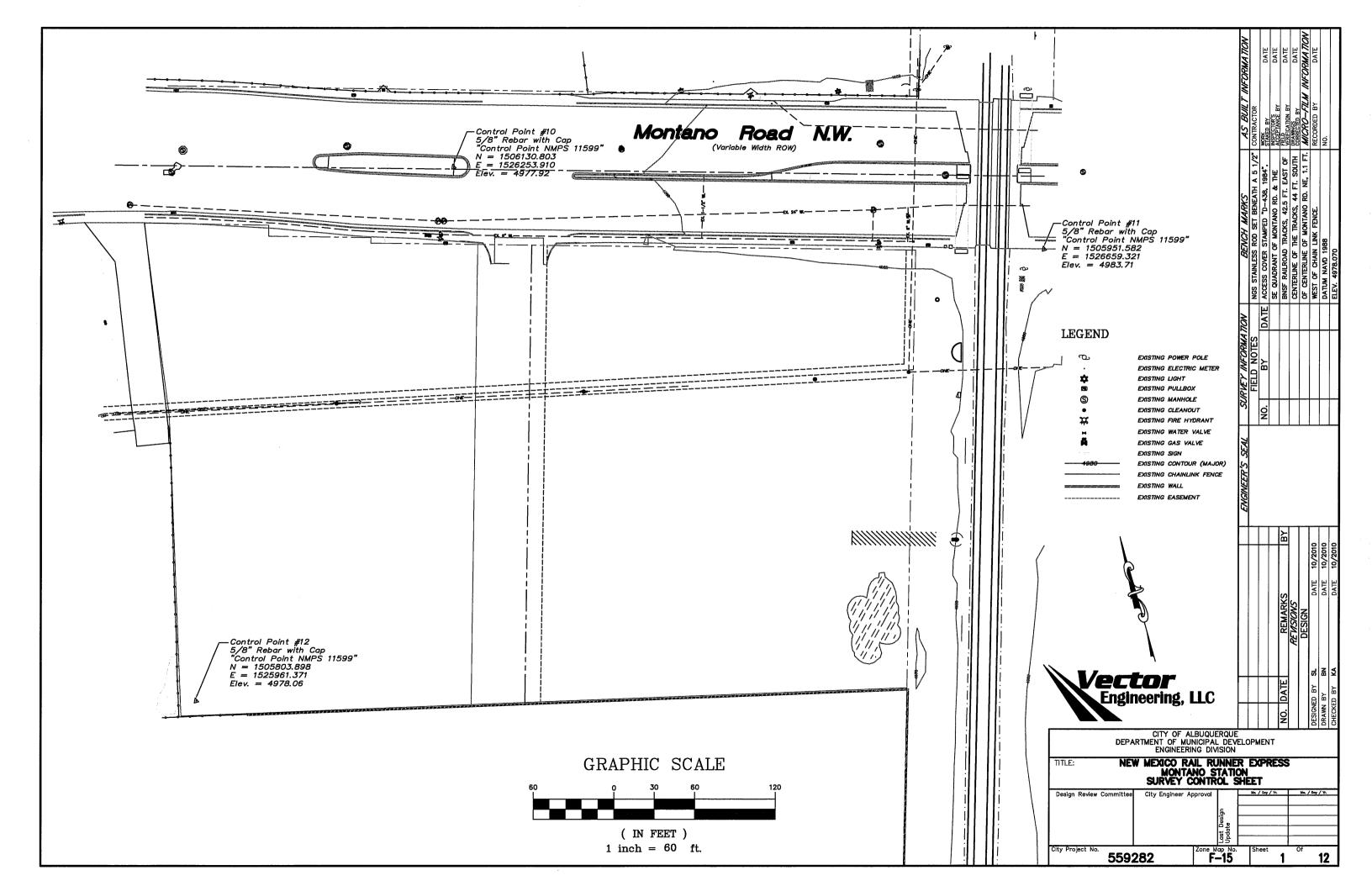
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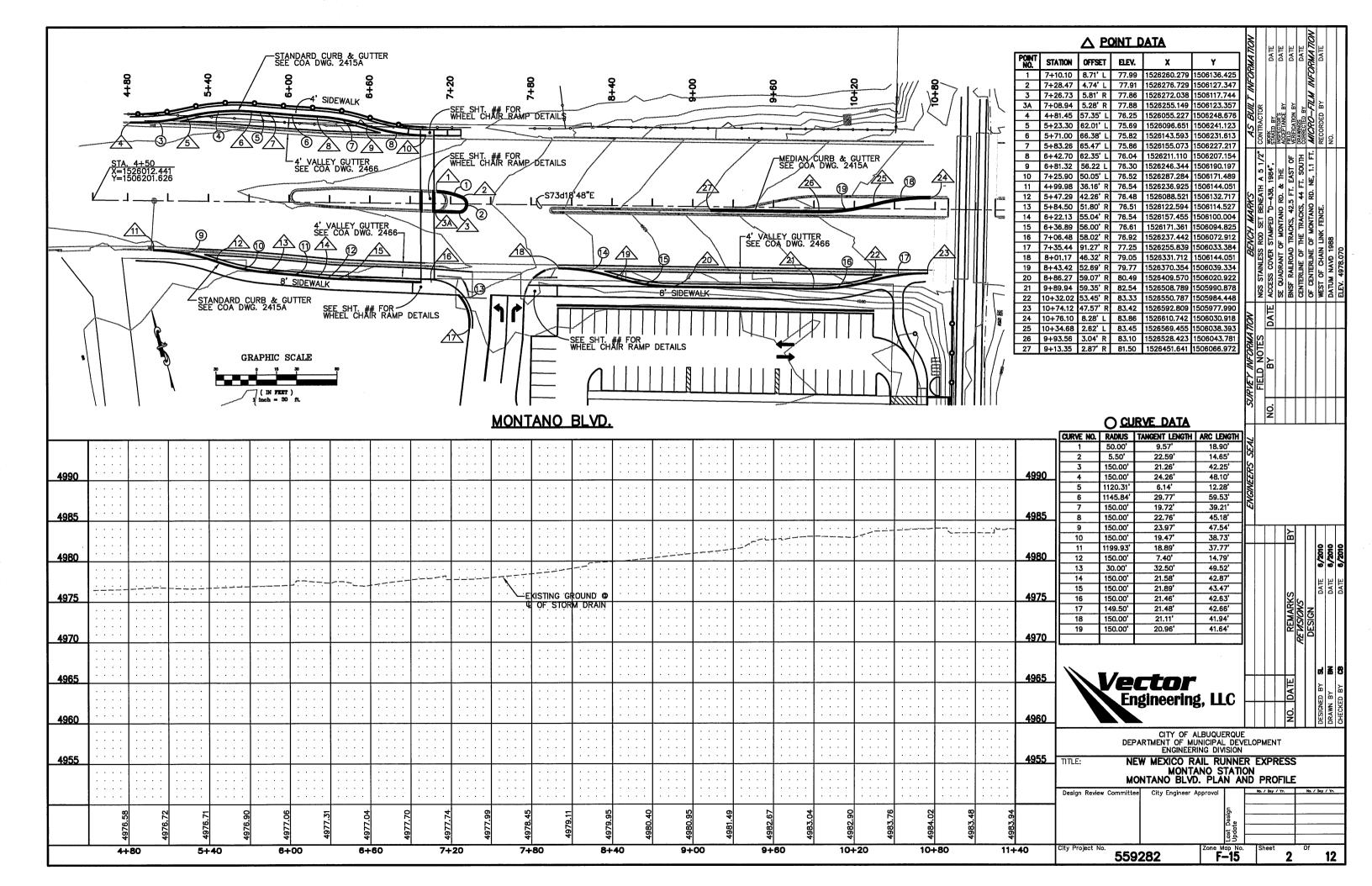
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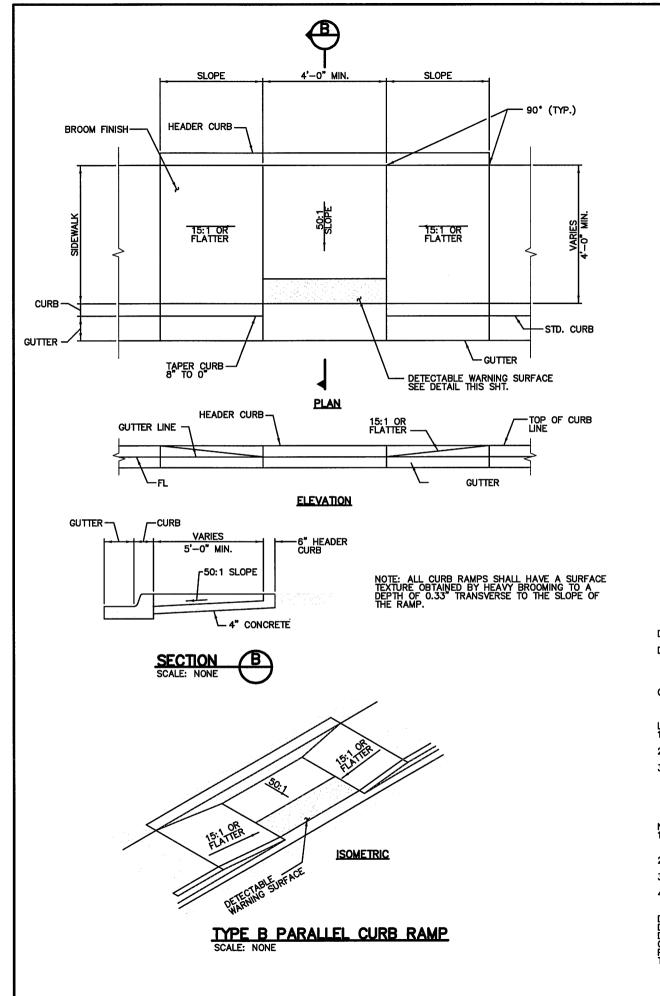
BRIAN KORITA 23751 N 23RD AVE. PHOENIX, AZ. 85085 (480) 226-7725

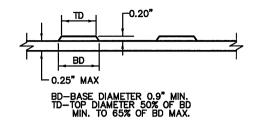


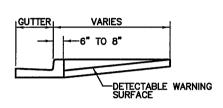


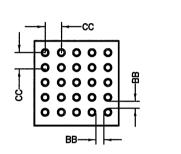


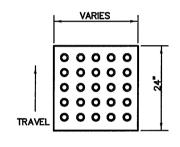












CC-CENTER TO CENTER SPACING 2.35 BB-BASE, TO BASE SPACING 1.48 MIN.

DETECTABLE WARNING SURFACE SCALE: NONE

DEFINITIONS:

DETECTABLE WARNING SURFACE:

A SURFACE FEATURE BUILT IN OR APPLIED TO WALKING SURFACES OR OTHER ELEMENTS TO WARN OF HAZARDS ON A CIRCULATION PATH TO AID PERSONS WITH VISUAL IMPAIRMENTS.

CURB LINE:

A LINE AT THE FACE OF THE CURB THAT MARKS THE TRANSITION BETWEEN THE SIDEWALK AND THE GUTTER OF THE ROADWAY.

- LOCATION:

 1.) DETECTABLE WARNING SURFACES SHALL BE PROVIDED WHERE A CURB RAMP OR LANDING CONNECTS TO A CROSSWALK AND/OR PEDESTRIAN ROUTE CROSSING A ROADWAY.

 2.) DETECTABLE WARNING SURFACE SHALL BE LOCATED SO THAT THE EDGE NEAREST THE CURB LINE IS 6" MIN. AND 8" MAX. FROM THE CURB LINE.

 3.) MEDIAN AND REFUGE ISLANDS SHALL HAVE A DETECTABLE WARNINGS, DETECTABLE WARNING AT CUT THROUGH ISLANDS SHALL BE SEPARATED BY A 24" MIN. LENGTH OF WALKWAY WITHOUT WARNINGS.

 EXCEPTION: DETECTABLE WARNINGS SHALL NOT BE REQUIRED ON CUT THROUGH ISLANDS WHERE THE CROSSINGS ARE CONTROLLED BY SIGNALS AND ARE TIMED FOR FULL CROSSING ON MEDIANS LESS THAN 7 FT.
- NOTES:

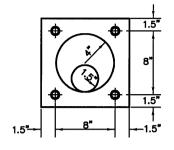
 1.) DETAILS SPECIFIED ON THIS PLAN APPLY TO ALL CONSTRUCTION OR RECONSTRUCTION OF STREETS, CURBS, OR SIDEWALKS BY ALL PUBLIC AGENCIES AND BY ALL PRIVATE ORGANIZATIONS CONSTRUCTING FACILITIES FOR PUBLIC USE.

 2.) SIDEWALK RAMPS ARE TO BE LOCATED AS SPECIFIED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

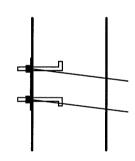
 3.) THE TOP OF THE JOINT FILLER FOR ALL RAMP TYPES SHALL BE FLUSH WITH THE ADJACENT CONCRETE.

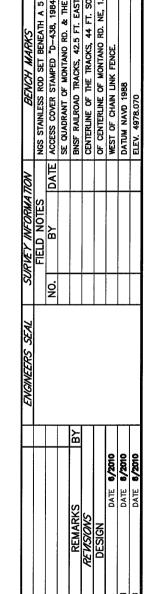
 4.) ALL PRODUCTS USED FOR DETECTABLE WARNING SURFACES SHALL BE ON THE CITY OF ALBUQUERQUES APPROVED PRODUCTS LIST.

DOME ALIGNMENT:
DETECTABLE WARNING SURFACES SHALL EXTEND 24" MIN. IN THE
DIRECTION OF TRAVEL, AND FULL WIDTH OF THE CURB RAMP, LANDING,
OR TRANSITION. DOMES SHALL BE ALIGNED ON A SQUARE GRID IN THE
PERDOMINANT DIRECTIONS OF THE CROSSWALK TO PERMIT WHEELS
TO ROLL BETWEEN DOMES.



TYP. ORIFICE PLATE DETAIL

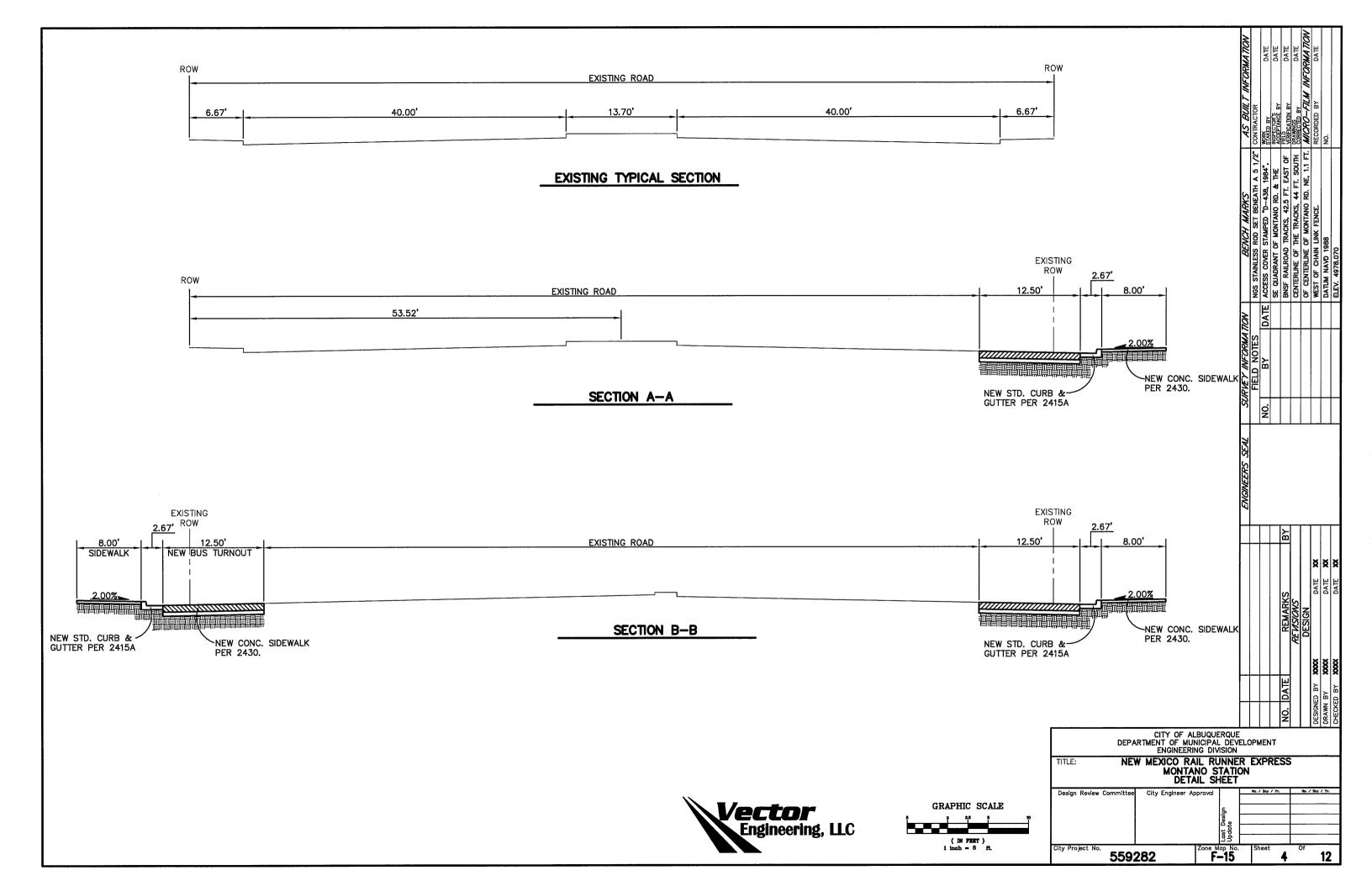


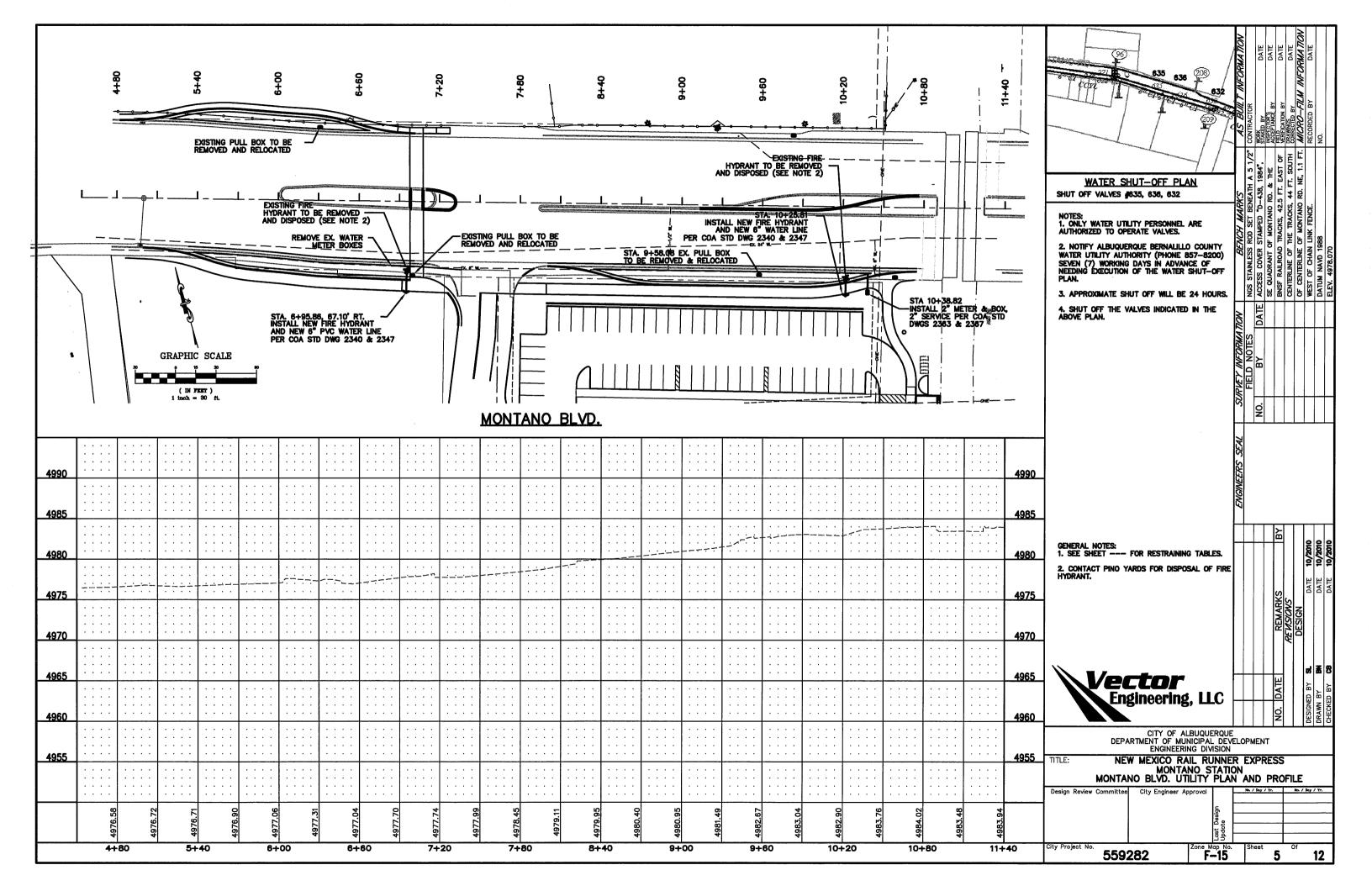




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TRAFFIC SIGNAL GENERAL NOTES

- THIS PROJECT INCLUDES THE INSTALLATION OF A NEW TRAFFIC SIGNAL AT THE MONTANO
 RAILRUNNER STATION/MONTANO BOULEVARD INTERSECTION AND CONNECTION TO EXISTING FIBER
 OPTIC INTERCONNECT EQUIPMENT PARALLEL TO MONTANO BOULEVARD.
- 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 OF ALBUQUERQUE'S TRAFFIC ENGINEERING OPERATIONS SPECIFICATIONS (CURRENT EDITION).
- 3. LOCATIONS OF CONDUITS, FOUNDATIONS, CONTROL CABINETS, POLES, PULL BOXES, MANHOLES, AND SPLICE VAULTS 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-
- 4. THE CONTRACTOR IS WARNED THAT EXISTING CONDUITS MAY CONTAIN AC POWER AND CAUTION SHALL BE EXERCISED IN INTERCEPTING OR INSTALLING CABLE IN EXISTING CONDUIT.
- 5. 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.
- 6. SPLICING OF COMMUNICATIONS CABLE WILL NOT BE PERMITTED IN PULL BOXES, AND WILL ONLY BE PERMITTED AT SPLICE VAULTS OR CONTROLLER CABINETS WITH SPLICE BARS. SPLICING OF TRAFFIC SIGNAL MCC WILL BE PERMITTED IN LARGE PULL BOXES, INCLUDING LARGE MEDIAN PULL BOXES. SPLICING OF VIDEO DETECTION 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.
- 7. ALL VIDEO DETECTION CABLE SHALL BE TAGGED AT THE CONTROLLER CABINET TO IDENTIFY EACH CABLE BY CAMERA NUMBER AND LOCATION. ALL OPTICAL DETECTOR CABLE SHALL BE TAGGED AT THE CONTROLLER CABINET TO IDENTIFY EACH BY DIRECTION AND LOCATION.
- 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 AT THE INTERSECTION. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN THE 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 SIGNAL CONTROLLER DOOR IS TO BE OPENED AT THE INTERSECTION.
- 9. THE CONTRACTOR SHALL NOTIFY PNM 30 DAYS IN ADVANCE OF ANY ANTICIPATED POWER SERVICE CONNECTIONS OR MODIFICATIONS. THE CONTRACTOR SHALL COORDINATE WITH PNM TO MAINTAIN ELECTRICAL SERVICE IN THE CITY'S NAME AT THE INTERSECTION.
- 10. THE CONTRACTOR SHALL REMOVE ALL CONFLICTING SIGNING AND DELIVER TO THE CITY TRAFFIC ENGINEERING YARD WHEN TRAFFIC SIGNALS ARE PUT INTO OPERATION.
- 11. 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
- 12. 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.
- 13. THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS WILL PROVIDE TRAFFIC SIGNAL TIMING PLANS AND WILL PROGRAM TRAFFIC SIGNAL CONTROLLERS AT THE INTERSECTION.
- 14. 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 N.E.C.
- 15. EXISTING CONDUITS TO BE REMOVED OR ABANDONED SHALL HAVE ALL WIRING REMOVED. 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.
- THE CONTRACTOR SHALL PROVIDE OFF-DUTY POLICE OFFICERS TO DIRECT TRAFFIC IF 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 LINES INCLUDING EXPLORATORY TRENCHING WILL BE CONSIDERED INCIDENTAL TO CONSTRUCTION.

TRAFFIC SIGNAL EQUIPMENT REQUIREMENTS

- 1. ALL TRAFFIC SIGNAL EQUIPMENT SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF ALBUQUERQUE AND SHALL BE APPROVED BY CITY STAFF BEFORE BEING INSTALLED. THE CONTRACTOR SHALL FURNISH AND INSTALL THE FOLLOWING EQUIPMENT FOR THIS INTERSECTION:
 - ECONOLITE ASC 2S-2100 TRAFFIC SIGNAL CONTROLLER WITH TS-2 CABINET.
 - B. ECONOLITE EIGHT-PHASE DUAL RING "P" SIZE CONTROLLER CABINET WIRED FOR FULL EIGHT-PHASE OPERATION, TELEMETRY BOARDS, "IT" TRANSIENT VOLTAGE SURGE SUPPRESSOR AND ALL CONNECTING HARNESSES
 - C. THE CONTROLLER CABINET SHALL BE EQUIPPED WITH A MMU-16LE SMARTMONITOR WITH LCD DISPLAY.
 - D. VIDEO DETECTION CAMERAS SUPPLIED FOR THE PROJECT SHALL BE AUTOSCOPE SOLO TERRA.
- 2. EMERGENCY VEHICLE OPTICAL DETECTOR (EVOD) SYSTEM EQUIPMENT SHALL BE 3M "OPTICOM" MODEL 762 (OR MOST CURRENT ACCEPTABLE MODEL) PHASE SELECTORS MOUNTED ON 3M OPTICOM MODEL 760 RACKS, OR APPROVED EQUAL. ALL RACKS SHALL BE CAPABLE OF TWO CHANNELS OF DETECTION. PHASE SELECTOR MODULES SHALL BE CAPABLE OF TWO CHANNELS OF DETECTION EACH. OPTICAL DETECTORS SHALL BE 3M "OPTICOM" MODEL 711, ONE CHANNEL, ONE DIRECTION OR APPROVED EQUAL. OPTICAL DETECTOR CABLE SHALL BE 3M "OPTICOM" MODEL 138 OR EQUAL. A MANUFACTURER'S REPRESENTATIVE SHALL ASSIST THE CONTRACTOR IN THE FIELD AS WORK PROGRESSES TO COMPLETE THE INSTALLATION OF ALL EVOD EQUIPMENT AND ASSIST IN SETTING UP, TURNING ON, PROGRAMMING, AND FIELD TESTING PREEMPTION EQUIPMENT, INCLUDING EMITTERS, TO INSURE THAT THE EQUIPMENT IS OPERATIONAL.
- 3. ALL INDICATIONS OF ALL VEHICLE SIGNAL ASSEMBLIES AND ALL PEDESTRIAN SIGNAL INDICATORS SHALL BE L.E.D., SIGNALS OF A TYPE AND MANUFACTURER APPROVED BY THE CITY OF ALBUQUERQUE. PEDESTRIAN SIGNALS SHALL INCLUDE COUNTDOWN INDICATIONS.
- I. ALL SIGNAL ASSEMBLIES, PEDESTRIAN SIGNALS, PEDESTRIAN PUSH BUTTONS, CABINETS, AND FITTINGS AT THE INTERSECTION SHALL COMPLY WITH THE CITY OF ALBUQUERQUE TYPE AND COLOR FINISH REQUIREMENTS.
- 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.
- ALL BACKPLATES SHALL BE LOUVERED.
- '. TYPE III STANDARDS AT THE INTERSECTION SHALL HAVE 40' CAMERA MOUNTING HEIGHTS AND 10' ARMS.

TRAFFIC SIGNAL INCIDENTAL ITEMS

- REMOVAL OF EXISTING PULL BOXES, CONDUITS, OR OTHER SIGNAL AND LIGHTING EQUIPMENT NOT SPECIFICALLY ENUMERATED AS BID ITEMS FOR INSTALLATION OF NEW SIGNAL AND LIGHTING FOLIPMENT
- CABLE TESTING AND DIAGRAMS.
- BORING, DRILLING, PUSHING, AND TRENCHING, INCLUDING REMOVAL AND REPLACEMENT OF PAVEMENT, SIDEWALKS, DRIVE PADS, VALLEY GUTTERS, WHEELCHAIR RAMPS, CURB & GUTTER, AND LANDSCAPING (INCLUDING SPRINKLERS) FOR INSTALLATION OF PULL BOXES, CONDUITS. AND SIGNAL FOUNDATIONS. EXCEPT AS NOTED ON THE PLANS.
- LOCATION OF UTILITY LINES INCLUDING EXPLORATORY TRENCHING AND EXPOSING OF GAS LINES WHEN BORING
- DESIGN, MATERIALS. INSTALLATION AND REMOVAL OF SAFETY BARRIER FOR SHIELDING EQUIPMENT OR MATERIAL.
- 6. APPRISING PUBLIC THROUGH THE LOCAL NEWS MEDIA.
- 7. REMOVAL, SALVAGE, AND TRANSPORTATION OF EXISTING EQUIPMENT TO THE CITY TRAFFIC ENGINEERING OPERATIONS YARD, OR HAULING OF WASTE MATERIALS TO THE CITY LANDFILL, AS APPROPRIATE.
- LEAN FILL FOR CONDUIT TRENCHES.
- 9. PULL BOX ADJUSTMENTS TO GRADE.
- 10. OFF-DUTY POLICE OFFICER FOR TRAFFIC CONTROL
- 11. REMOVAL AND REPLACEMENT IN KIND OR BETTER OF LANDSCAPING INCLUDING SPRINKLERS, FOR INSTALLATION OF PULL BOXES, CONDUITS, AND SIGNAL AND LIGHTING FOUNDATIONS.
- 12. CONDUIT TRACE WIRE

ITEMS LISTED ARE ONLY A GENERAL DESCRIPTION OF THE REQUIRED WORK AND MATERIALS, AND MAY NOT BE COMPLETE. THIS LIST DOES NOT INCLUDE ANY INCIDENTAL WORK OR MATERIALS REQUIRED BY THE SPECIAL PROVISIONS SERIALS (STANDARD DETAILS), SUPPLEMENTAL SPECIFICATIONS, OR THE STANDARD SPECIFICATIONS

	AS BUILT INFORMATION		DATE	DATE	DATE	DATE	INFORMA TION	DATE		
	AS BUILT,	CONTRACTOR	WORK STAKED BY	INSPECTOR'S ACCEPTANCE BY	FIELD VERIFICATION BY	DRAWNGS CORRECTED BY	MICRO-FILM	RECORDED BY	NO.	
	BENCH MARKS	(NAVD88) 4978.07 NGS STAINLESS STEEL	DATE ROD SET BENEATH A 5 1/2" ACCESS	COVER STAMPED "D-438, 1984" SE	QUADRANT OF MONTANO RD. & BNSF	RAILROAD TRACKS, 42.5 FT± EAST OF	CENTERLINE OF TRACKS, 44 FT± SOUTH OF MICRO-FILM INFORMATION	CENTERLINE OF MONTANO RD., 1.1 FT.	WEST OF CHAIN LINK FENCE	
	NOIL		DATE							
	SURVEY INFORMATION	FIELD NOTES	ВУ							
	'NS		NO.							
	ENGINEERS SEAL									
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:					REMARKS	REVISIONS	DESIGN	DATE 6/2010	DATE 6/2010	DATE 6/2010
_C					NO. DATE			DESIGNED BY KA	DRAWN BY KA	CHECKED BY SL
/ISION	ELC				-					
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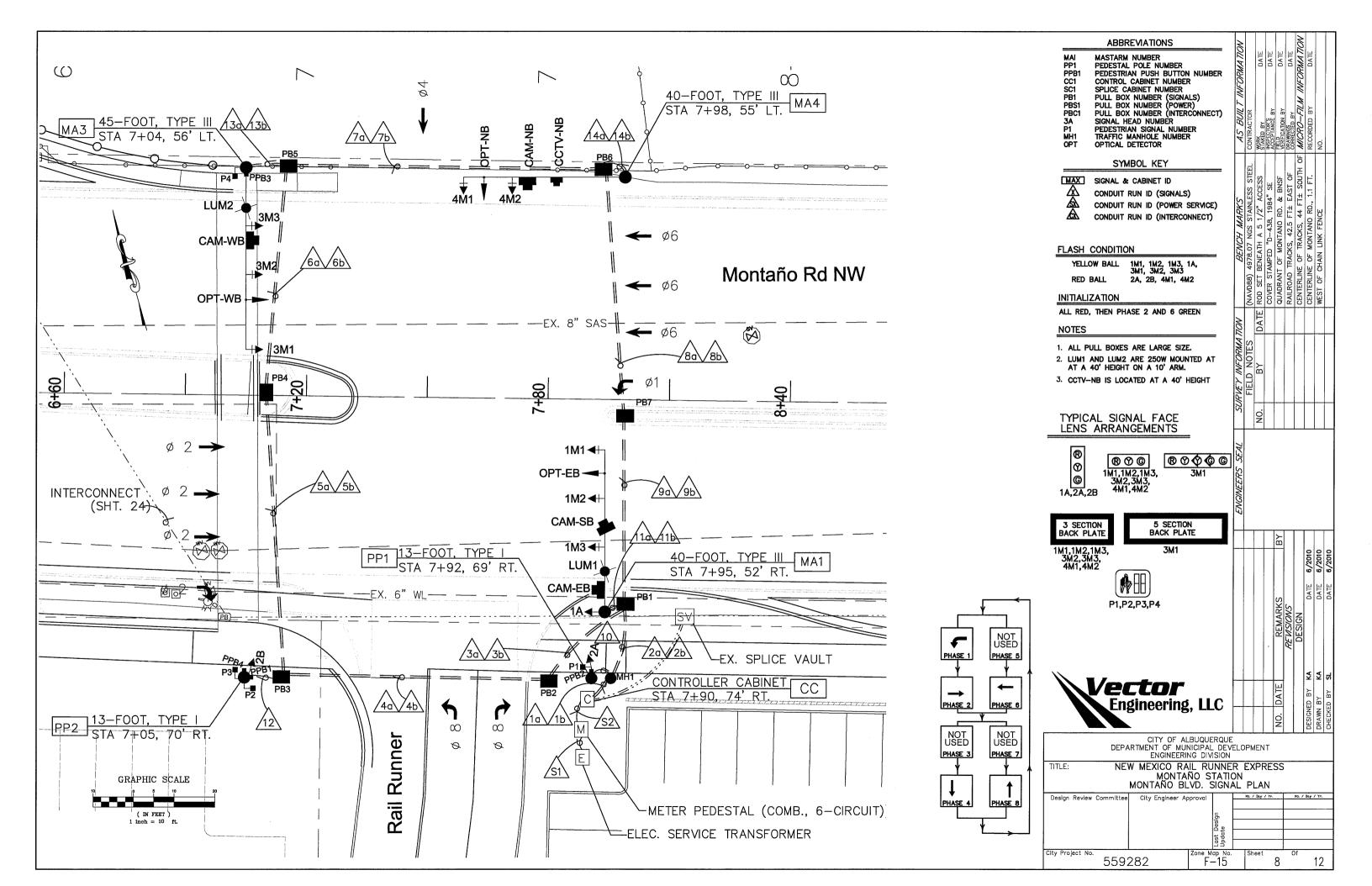
	DEPA	CITY OF AL ARTMENT OF MUN ENGINEERIN	NICIPAL	_ DEVI		MENT			
TITLE:	MON MON	W MEXICO RA MONTA NTAÑO BLVD.	IL RL ÑO S SIGN	JNNE TATIC AL F	R E ON 'LAN	XPRE N NC	ESS TES	3	
Design Review	Committee	City Engineer Ap	proval	Last Design Update	Но	. / Bay /)	(r.	Ho. / 1	Day / Yr.
ity Project No	559282 Zone Map No. Sheet F-15 6								

	SIGNAL AND INTERCONNECT QUANTITIES	entron on the selections and the recovering	о и применя в по вижене поможно почено почено на селения почено почено почено почено почено почено почено поче	The second secon	***************************************
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	DESCRIPTION	UNIT	RAILRUNNER	INTERCONNECT	TOTAL
421.005	SERVICE RISER (SIGNAL), CIP	EACH	1		1
421.01	METER PEDESTIAL (SIGNAL), CIP	EACH	1		1
421.015	SERVICE CONNECTION (SIGNAL), CIP	EACH	1		1
422.003	TRAFFIC SIGNAL PEDESTAL POLE, 13', CIP	EACH	2		2
422.021	TRAFFIC SIGNAL MASTARM, 40' ARM, TYPE III, TROMBONE, CIP	EACH	2		2
422.02X	TRAFFIC SIGNAL MASTARM, 45' ARM, TYPE III, TROMBONE, CIP	EACH	1		1
423.001	TRAFFIC SIGNAL FOUNDATION FOR PEDESTAL POLE, CIP	EACH	2		2
423.002	TRAFFIC SIGNAL MASTARM FOUNDATION, CIP	EACH	3		3
423.003	TRAFFIC SIGNAL CONTROLLER FOUNDATION (TYPE M & P CABINET), CIP	EACH	1		1
424.006	ELECTRICAL CONDUIT, 2", INCL. TRENCHING, BACKFILL, PACKING, PUSHING, BORING & JACKING, CIP	L.F.	530		530
424.011	ELECTRICAL CONDUIT, 3", INCL. TRENCHING, BACKFILL, PACKING, PUSHING, BORING & JACKING, CIP	L.F.	565		565
424.0XX	ELECTRICAL CONDUIT, 4", INCL. TRENCHING, BACKFILL, PACKING, PUSHING, BORING & JACKING, CIP	L.F.	40		40
425.003	ELECTRICAL PULL BOX (LARGE), CIP	EACH	7		7
425.02	TRAFFIC SIGNAL MANHOLE, CIP	EACH	1		1
425.102	ELECTRICAL PULL BOX, ANY TYPE, REMOVE AND RELOCATE, CIP	EACH		3	3
426.003	SINGLE CONDUCTOR, #6, CIP	L.F.	840		840
426.01	MULTI-CONDUCTOR CABLE, #5, CIP	L.F.	1,520		1,520
426.011	MULTI-CONDUCTOR CABLE, #7, CIP	L.F.	65		65
426.014	MULTI-CONDUCTOR CABLE, #20, CIP	L.F.	980		980
	3 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP	EACH	10		10
	5 SECTION TRAFFIC SIGNAL ASSEMBLY, CIP	EACH	1		1
	PEDESTRIAN SIGNAL, L.E.D. COUNTDOWN, CIP	EACH	4		4
	3 SECTION BACKPLATE, CIP	EACH	7		7
	5 SECTION BACKPLATE, CIP	EACH	1		1
	PUSH BUTTON STATION, CIP	EACH	4		4
	PHASE SELECTOR MODULE 2 CHANNEL, CIP	EACH	1		1
	OPTICAL DETECTOR 1D/1C, CIP	EACH	3		3
	OPTICAL DETECTOR CABLE, CIP	L.F.	720		720
	VIDEO COAXIAL CABLE, CIP	L.F.	820		820
	VIDEO POWER CABLE, CIP	L.F.	820		820
		EACH	4		4
	CCTV CABLE	L.F.		255	255
	CCTV CAMERA	EACH		1	1
	TRAFFIC ACTUATED CONTROLLER, CIP	EACH	1		1
	8 PHASE DUAL RING CONTROLLER CABINET, CIP	EACH	1		1
	ROADWAY LUMINAIRE, TYPE 250S, CIP	EACH	2		2
	SINGLE MODE FIBER OPTIC CABLE (6)	L.F.		100	100
	UNINTERRUPTED POWER SUPPLY (UPS)	EACH		1	1
	SPLICE CLOSURE (FULL CABLE SPLICE)	EACH		1	1
	FIELD ETHERNET TO SERIAL DATA TERMINAL SERVER (TS)	EACH		1	1
	MANAGED FIELD ETHERNET SWITCH	EACH		1	1

					FORM					VFORM			
TRAFFIC	SIGNAL L	EGEND			AS BUILT INFORM	% %	2	, a	, .	FILM 11	ВҮ		
NEW	EXISTING	ITEM	and the second s		AS BU	CONTRACTOR	STAKED BY INSPECTOR'S	ELD FRIEICATION	RAWINGS	MICRO-FIL	RECORDED	NO.	
=		PULL BOX					≇in ≧ -	₹E5	50	P	8	Z	
▼	σ	SERVICE POL	_E			STEEL	SS	BNSF	P	SOUTH	Ħ.		
M	M	METER PEDE	STAL		S	LESS	/2" ACCESS 1984" SE	S BN	l L	世	1.		
C	<u>C</u>	CONTROLLER	CABINET		IAPK	STAIN		.		44	O RD.	FENCE	
	***************************************	CONDUIT RU	N (SIGNALS)		BENCH MARKS	NGS		NTAN	, 42.5		MONTANO RD.,	¥	
	***************************************	CONDUIT RU	N (INTERCONNECT)		BEN	78.07	T BENEATH A STAMPED "D-4	JF MO	TRACKS,		OF	CHAIN LINK	
←●	4-0	TRAFFIC SIGI	NAL PEDESTAL POLE	Ξ		8) 46	⊢ r	ANT (KLINE	SLINE	OF CH	
\triangle	\triangle	CONDUIT RUI (SIGNAL)	N NUMBER			(NAV	20 S	QUADRANT OF MONTANO	RAILROAD	CENTERLINE OF	CENTERLINE	WEST (
<u>ś</u>	<u>\$</u>	CONDUIT RUI (POWER SER			4 77ON	Ιľ	DATE		L				
<u>&</u>	<u>Æ</u>	CONDUIT RUI			VFORM!	FIELD NOTES	BY						
ÉX	Æ	CONDUIT RUI (WARNING BE			SURVEY INFORMATION	HED.							
₹	\$ 7	TYPE II STAN TRAFFIC SIGN AND OPTICAN	NDARD WITH MASTAI NAL, BACKPLATE, L DETECTOR	RM,	ns		O						
↓ 		TRAFFIC SIGN	NDARD WITH MASTA NAL, BACKPLATE, ECTOR, LUNIMAIRE, A		ERS SEAL								
•	©		PUSH BUTTON O SIDE OF POLE ATED)		ENGINEERS								
-•	[£] Ç ^B	PEDESTRIAN (MOUNTED TO WHERE INDIC	O SIDE OF POLE			<u> </u>		ВУ					
SC	SC	SPLICE CABII	NET									×	
•	0	TRAFFIC MAN	NHOLE					S			DATE	DATE	DATE
•	۵	VIDEO CAMER	RA					REMARKS	REVISIONS	DESIGN			
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			gineering, LL	.C				NO. DA				DRAWN BY	CHECKED BY
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	<u> </u>		D. SIGNAL PLAN SI	, MMK	ΛA		OF				TIT		s
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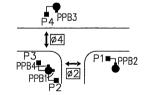
Zone Map No. F-15



BACK UP TIME SETTING

	<u>ø1</u>	<u>ø2</u>	<u>ø3</u>	<u>ø4</u>	<u>ø5</u>	<u>ø6</u>	<u>ø7</u>	<u>ø8</u>
MINIMUM INITIAL VEHICLE EXTENSION MAXIMUM 1 MAXIMUM 2 YELLOW CHANGE RED CLEAR	10 3 30 40 4	15 3 30 40 4	USED	10 3 30 40 4	USED	15 3 30 40 4	USED	10 3 30 40 4
WALK PEDESTRIAN CLEAR OPERATION	0 0 OFF	4 15 MIN	⊢ 0 z	4 30 OFF	⊢ 0 z	O O MIN	⊢ 0 z	0 0 OFF
OI EIMINON	0/1	RECALL	_	0//	_	RECALL	_	011

PEDESTRIAN SIGNAL & PUSHBUTTON IDENTIFICATION



			FUNCTION CH	HART — 115 VOLT	CIRCUIT	
CO	NDUCTOR	?	RING 1 - MULTI CO	ONDUCTOR CABLE 20	RING 2 - MULTI C	CONDUCTOR CABLE 20 2/
CONDUCTOR NUMBER	BASE	TRACER	FUNCTION	FIELD CONNECTION 1/	FUNCTION	FIELD CONNECTION
1	BLACK	-	SPARE	SPARE	SPARE	SPARE
2	WHITE	_	SPARE	SPARE	SPARE	SPARE
3	RED	-	PHASE 1 RED	RED BALL 3M1	SPARE	SPARE
4	GREEN	_	PHASE 1 GREEN	GREEN ARROW	SPARE	SPARE
5	ORANGE	_	PHASE 1 YELLOW	YELLOW ARROW	SPARE	SPARE
6	BLUE	_	SPARE	SPARE	SPARE	SPARE
7	WHITE	BLACK	SPARE	SPARE	SPARE	SPARE
8	RED	BLACK	PHASE 2 RED	RED BALL 1M1, 1M2, 1M3, 1A	PHASE 6 RED	RED BALL 3M1, 3M2, 3M3
9	GREEN	BLACK	PHASE 2 GREEN	GREEN BALL 1M1, 1M2, 1M3, 1A	PHASE 6 GREEN	GREEN BALL 3M1, 3M2, 3M3
10	ORANGE	BLACK	PHASE 2 YELLOW	YELLOW BALL 1M1, 1M2, 1M3, 1A	PHASE 6 YELLOW	YELLOW BALL 3M1, 3M2, 3M3
11	BLUE	BLACK	PHASE 2 WALK	PEDESTRIAN WALK	SPARE	SPARE
12	BLACK	WHITE	PHASE 2 DON'T WALK	PEDESTRIAN DON'T WALK P1, P2	SPARE	SPARE
13	RED	WHITE	SPARE	SPARE	SPARE	SPARE
14	GREEN	WHITE	SPARE	SPARE	SPARE	SPARE
15	BLUE	WHITE	SPARE	SPARE	SPARE	SPARE
16	BLACK	RED	PHASE 4 RED	RED BALL 2A, 2B	PHASE 8 RED	RED BALL 4M1, 4M2
17	WHITE	RED	PHASE 4 GREEN	GREEN BALL 2A, 2B	PHASE 8 GREEN	GREEN BALL 4M1, 4M2
18	ORANGE	RED	PHASE 4 YELLOW	YELLOW BALL 2A, 2B	PHASE 8 YELLOW	YELLOW BALL 4M1, 4M2
19	BLUE	RED	PHASE 4 WALK	PEDESTRIAN WALK P3. P4	SPARE	SPARE
20	RED	GREEN	PHASE 4 DON'T WALK	PEDESTRIAN DON'T WALK P3. P4	SPARE	SPARE

FUNCTION CHART — 24 VOLT CIRCUIT 3/									
CONDUCTOR RING 1-MULTI CONDUCTOR CABLE 5 RING 2-MULTI CONDUCTOR									
NUMBER	BASE COLOR	FUNCTION	FIELD CONNECTION	FUNCTION	FIELD CONNECTION				
1	BLACK	PHASE 2 PPB	PPB1 & PPB2	SPARE	SPARE				
2	WHITE	COMMON	PPB1, PPB2, PPB3, PPB4	NOT USED	NOT USED				
3	RED	PHASE 4 PPB	PPB3 & PPB4	SPARE	SPARE				
4	GREEN	SPARE	SPARE	NOT USED	NOT USED				
5	ORANGE	SPARE	SPARE	NOT USED	NOT USED				

NOTES:

- 1/ IDENTIFY CONDUCTORS LISTED AS "115 VOLTS".
- 2/ WRAP RING 2 CABLE AT EACH SPLICE POINT WITH COLORED ELECTRICAL TAPE. THE IDENTIFICATION MARKING SHALL BE PROVIDED ON EACH RING 2 CABLE AT EACH SPLICE AND LOCATED 6" BACK FROM THE END.
- 3/ IDENTIFY CONDUCTORS LISTED AS "PPB LOW VOLTAGE" AT EACH SPLICE POINT. FIVE (5) CONDUCTOR CABLE SHALL BE 24 VOLTS AND USED FOR PUSH BUTTONS ONLY.

			REMARKS	REVISIONS	DESIGN	DATE	DATE	DATE
Vector Engineering, LLC			NO. DATE			DESIGNED BY XXXX	DRAWN BY XXXX	CHECKED BY XXXX
CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEV ENGINEERING DIVISION TITLE: NEW MEXICO RAIL RUNNE MONTAÑO STATIO	ELOP R E		 SS					
MONTAÑO BLVD. SIGNAL Design Review Committee City Engineer Approval	FUN	CTI	 NS		Ho. /	Boy	/ Yr.	

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ty Project No. 559:	No.								

				CONDUITAI	ND C	DNDU	CTOF																	COND	UIT AN	ID CC	NDUCT							
CONDUIT LENGTH, SIZE & TYPE					CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE										CONDUIT LENGTH, SIZE & TYPE						CONDUIT FILL BY CONDUCTOR LENGTH AND TYPE													
RUN ID	SIZE	E/LENG	Н		1	ACC 5		MCC 20		SCC 6		OPTICO	M۱	/IDE	O CABL	EC	CTV CA	\BLE	RUN ID						MC		MCC 7	MCC		SCC 6		OPTICOM		CCTV CABLE
	2"	3"	4" TYPE	REMARKS	(#	@ FT)		(#@FT)	(#@FT)	(# @ FT)	(#	@ FT)		(#@F	T)		2"	3"	4"	TYPE	REMARKS	(#@	FT)	(# @ FT)	(#@	FT)	(#@F	T)	(#@FT)	(#@FT)	(# @ FT)
1a		15'	REC	CC TO MH1	2	@ 20)¹ 2	@ 20	1 1	@	20'	We want to							MA1					BASE TO 1M1	1 @	60'				- Mariana				
1b	15'		REC	CC TO MH1							:	3 @	20'	4	@ 20	1 1	@	20'						BASE TO 1M2	1 @	50'				***************************************				
2 a		25'	REC	MH1TO PB1	2	@ 30	0' 2	@ 30	1 1	@	30'													BASE TO 1M3	1 @	40				- deserter				
2b	25'		REC	MH1TO PB1								3@	30 ⁶	4	@ 30	1	@	30'						BASE TO 1A	1 @	20'				Seedings				
3a		35'	REC	PB1TO PB2	2	@ 40	o' 2	@ 40	1	@	40'				100									BASE TO OPT-EB								1 @ 55'		
3b	351		REC	PB1 TO PB2								EMPTY	·	EN	MPTY		EMPT	Υ						BASE TO CAM-EB						- disease.			1 @ 50'	
4 a		75'	REC	PB2 TO PB3	2	@ 80	0' 2	@ 80	1 1	@	80'	2000												BASE TO CAM-SB						********			1 @ 50'	
4b	75'		REC	PB2 TO PB3								EMPTY		EN	MPTY		EMPT	γ						BASE TO LUM1						2 @	50'			
5a		75'	REC	PB3 TO PB4	E	MPTY		EMPTY		EMPTY																				WPTREES.				
5b	75'		REC	PB3 TO PB4				and the second				EMPTY		EN	MPTY		EMPT	γ										Arriane.		Summers.				-
6a		60'	REC	PB4 TO PB5	Ε	MPTY		EMPTY		EMPTY									MA3					BASE TO 3M1			1 @ 65			***************************************				
6b	60'		REC	PB4 TO PB5								EMPTY		EN	MPTY		EMPT	Υ						BASE TO 3M2	1 @	55				-				
7 a		80'	REC	PB5 TO PB6	2	@ 85	5' 2	@ 85	1 1	@	85'	-												BASE TO 3M3	1 @	45'				***************************************				1900
7 b	801		REC	PB5 TO PB6							1	1 @	85'	1	@ 85	1								BASE TO PPB3	1 @	10'				Chance				1000000
8a		65'	REC	PB6 TO PB 7	2	@ 70)¹ 2	@ 70	1	@	70'	-												BASE TO P4	1 @	20'	-	Section 1.	T	· chance chance				And the second
8b	65'		REC	PB6 TO PB7							2	2@	70'	2	@ 70	1	@	70'						BASE TO OPT-WB				27.74		and the second second		1 @ 60'		A Marie
9a		50'	REC	PB7 TO PB1	2	@ 55	5' 2	@ 55	1	@	55'									T				BASE TO CAM-WE	3					and the same of th		-	1 @ 50'	
9b	50°		REC	PB7 TO PB1							- 2	2 @	55'	2	@ 55	1	@	55'						BASE TO LUM2			Access to the second			2 @	50'			
10		15'	REC	MH1TO PP1	2	@ 20)¹ 2	@ 20	1	@	20'								*							-	-						***************************************	
11a		15'	REC	PB1 TO MA1	2	@ 20)¹ 2	@ 20	1	@	201								MA4					BASE TO 4M1	1 @	60'				*********		-		
11b	15'		REC	PB1 TO MA1	-						_ 1	1 @	20'	2	@ 20	3								BASE TO 4M2	1 @	50'		1						
12		20'	REC	PPB3 TO PP2	2	@ 25	5' 2	@ 25	1 1	@	25'													BASE TO CAM-NB	111111111111111111111111111111111111111					***************************************			1 @ 50'	epp dablik
13a		20'	REC	PB5 TO MA3	2	@ 25	5 2	@ 25	1	@	251				1000									BASE TO CCTV-NE	3		-			***************************************			-	1 @ 60*
13b	20'		REC	PB5 TO MA3								1 @	25'	1	@ 25	6								BASE TO OPT-NB			4			annaun.		1 @ 55'		1100000
14a		15'	REC	PB6 TO MA4	2	@ 20) 2	@ 20	1 1	@		4										İ			-		-	1		***************************************				ATTO PARALL
14b	15'		REC	PB6 TO MA4	S. Maria						1	1 @	20'	1	@ 20	1	@	20'	PP1					BASE TO 2A	1 @	20		-		***************************************				
			REC		The Party																			BASE TO P1	1 @	20'	1	4		-conspens				Value 1977
S1			20' REC	ELEC. SERVICE TO METER					3	@	25'	***************************************												BASE TO PPB2	1 @	10'	***************************************			эннуург		The second second		
S2			20' REC	METER TO CCC					3	@	25'	100															TOTAL CONTRACTOR OF THE PERSON	-		***************************************				
			REC												1				PP2					BASE TO 2B	1 @	20'	200							
			REC		-														,,					BASE TO P2	1 @	20'	1000			-				
SUBTOTALS	5301	565'	40°			980'		980'		640		550'		(620'		195'			<u> </u>				BASE TO PPB1	1 @	10				COORDINATION				
							The same of the sa																	BASE TO P3	1 @		1			*********				
					L													ļ						BASE TO PPB4	1 @	10'				**************************************				
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					<u> </u>		Tarana and a											HIS TABL			O,				540	Di	65'	0'		200'		170'	200'	60'
	hra san radakanda sanadaanda s														SUBTO	TAL,	PREVIC	OUS TABL			565'				980	D'	0'	980	j ^s	640'		5501	620°	195'
							***************************************											TOTA	L	530	565'	40'			1,52	!O'	65'	980	i T	840'		720'	820'	255'

	AS BUILT INFORMATION		DATE	DATE	DATE	DATE	IM INFORMATION	DATE		
	AS BUIL	CONTRACTOR	WORK STAKED BY	INSPECTOR'S ACCEPTANCE BY	FIELD VERIFICATION BY	DRAWINGS CORRECTED BY	MICRO-FIL	RECORDED BY	NO.	
	BENCH MARKS	(NAVD88) 4978.07 NGS STAINLESS STEEL	DATE ROD SET BENEATH A 5 1/2" ACCESS	COVER STAMPED "D-438, 1984" SE	QUADRANT OF MONTANO RD. & BNSF	RAILROAD TRACKS, 42.5 FT± EAST OF	CENTERLINE OF TRACKS, 44 FT± SOUTH OF MICRO-FILM INFORMATION	CENTERLINE OF MONTANO RD., 1.1 FT.	WEST OF CHAIN LINK FENCE	
	SURVEY INFORMATION	FIELD NOTES	NO. BY DATE							
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Vector Engineering, LLC
Engineering, LLC

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Design Review	v Committee	City Engineer	Approval		Ho. / Bay / Yr.	Ma. / Day / Y
				Design te		
				Last De Update		

KEYED NOTES INSTALL IN CONTROLLER CABINET: (1) 435.300 UNINTERRUPTED POWER SUPPLY (1) 435.700 FIELD ETHERNET TO SERIAL DATA TERMINAL SERVER NOTE (1) 435,702 MANAGED FIELD ETHERNET SWITCH The Contractor shall provide and maintain an experienced team throughout the life of the project for all services applying to the construction of fiber optic signal EXISTING FIBER OPTIC CONDUIT (INSTALLED UNDER CITY communication equipment. The Engineer must approve the substitution of a PROJECT NO. 7851.82) AND EXISTING FIBER OPTIC CABLE team member. An experienced team shall be composed of trained personnel (INSTALLED UNDER CITY PROJECT NO. 7908.04) (be it managers, supervisors, foremen, laborer or subcontractor) present during all installation of fiber optic communications cable and equipment. Specifically, EXISTING SPLICE VAULT (INSTALLED UNDER CITY PROJECT NO. personnel shall have taken and passed the Fiber Optics 1-2-3 or BISCI Fiber 7908.04) 300 course or an approved 3+ day classroom and hands-on training course. The Engineer may direct that activity on this project will cease as a result of the EXISTING FIBER OPTIC PULLBOX (INSTALLED UNDER CITY absence of an experienced team member from the project. Activity will not be PROJECT NO. 7851.82) TO BE RELOCATED BEHIND NEW CURB allowed to resume until the team members are all present. No extension of Contract Time will be allowed for such cessation of activity. INSTALL NEW SPLICE CLOSURE IN EXISTING SPLICE VAULT (SEE DETAIL, SHT. 25) NEW 3" R.E.C. WITH NEW 6 SFMO CABLE TO BE INSTALLED BETWEEN CC AND SPLICE VAULT Montaño Rd NW

GRAPHIC SCALE

(IN FEET)
1 inch = 40 ft.

VectorEngineering, LLC

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION

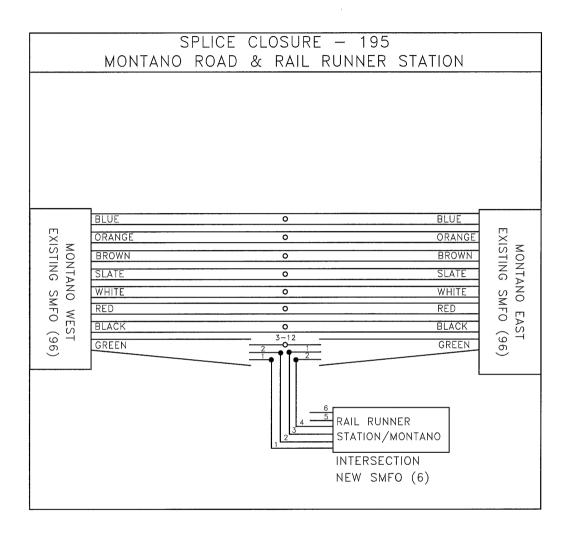
TITLE:

NEW MEXICO RAIL RUNNER EXPRESS
MONTAÑO STATION
MONTAÑO BLVD. INTERCONNECT PLAN

MONTAÑO BLVD. INTERCONNECT PLAN

Design Review Committee City Engineer Approval

City Project No. | Zone Map No. | Sheet | Of | F-15 | 11 | 11



LEGEND:

- NEW FUSION SPLICE
- EXISTING FUSION SPLICE

BUFFER TUBE ASSIGNMENTS

BLUE - BACKBONE (NON LOCAL)

ORANGE - LOCAL

GREEN - LOCAL

BROWN -

SLATE -WHITE -

RED -BLACK -

VectorEngineering, LLC

CITY OF ALBUQUERQUE
DEPARTMENT OF MUNICIPAL DEVELOPMENT
ENGINEERING DIVISION TITLE:

NEW MEXICO RAIL RUNNER EXPRESS
MONTAÑO STATION
FIBER OPTIC SPLICE DETAIL

F-15 559282 12