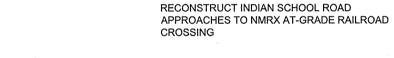
# **CONSTRUCTION PLANS FOR**

INDIAN SCHOOL ROAD & NMRX RAILROAD **CROSSING IMPROVEMENTS** 

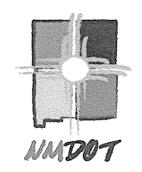
1ST ST. NW TO COMMERCIAL ST NE

STA 10+67.05 TO STA 14+20.58 COA PROJECT NO. 740486 CONTROL NO. (CN): CN A301281





**VICINITY MAP** 







- 1-1 COVER SHEET
- 1-2 GENERAL NOTES
- SYMBOL LEGEND & UTILITY CONTACT LIST
- TYPICAL SECTIONS AND DETAILS
- ADA RAMP DETAILS
- HORIZONTAL CONTROL LAYOUT
- SIGNING & STRIPING PLAN
- TRAFFIC CONTROL SIGN FACE DETAILS
- TRAFFIC CONTROL PLAN
- THROUGH 6-3 ROADWAY CROSS SECTIONS
- AT GRADE CROSSING DETAILS
- 7-3 TYPICAL CONCRETE PANEL GRADE CROSSING





As-builts and Closeout package not submitted. Construction verified by aerial imagery.

By: Jim Roeder Date: Jan. 7, 2020

WILSON &COMPANY

4900 LANG AVE., NE SUITE 100
ALBUQUERQUE, NEW MEXICO 87109

1-1

		***************************************							
٧	SHEETS	CITY EN	GINEER	DATE	USER DEPT		DATE	USER DEPT.	DATE
IN	ERS STAMP &	& SIGNATURE	APPROVALS	; T	ENGINEER	D	ATE	********	********
			DRC Chairme	an				APPROVED FOR CONS	TRUCTION
	•		Transportation	on					
	$\wedge$	- 1	ABCWUA						
	- Huu	N/	Hydrology						
O WE CO		C.I.P.							
	A DEXI	3. N	Traffic Engin	eer					
	7 12 (1002)							City Engineer	Date
	181	(10)[]							
	10 OF 10		City Pro	ject No	).			SHEET NO.	

COA 740486

ABCWUA

APPROVED FOR RECORD DRAWINGS

DATE

**ROADWAY PLAN & PROFILE** 

CROSSING SIGNAL & LOCATION PLAN

### **GENERAL NOTES:**

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS
  OTHERWISE STATED OR PROVIDED HEREON, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF
  ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986 EDITION, AS
  AMENDED THROUGH LIPDATE NO. 9
- 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.
- 3. 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.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT N.M. ONE-CALL SYSTEM, (505) 260-1990, FOR LOCATION OF EXISTING UTILITIES.
- 5. 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.
- PARKING OF CONSTRUCTION VEHICLES ON PRIVATE PROPERTY IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND IS PROHIBITED WITHIN THE CLEAR ZONE DAY OR NIGHT.
- 7. THE CONSTRUCTION CLEAR ZONE FOR THIS PROJECT IS 10 FEET FROM THE EDGE OF DRIVING LANE. THE CONTRACTOR SHALL NOT STORE EQUIPMENT OR MATERIAL WITHIN THE CONSTRUCTION CLEAR ZONE UNLESS THE EQUIPMENT OR MATERIAL IS PROPERLY SHIELDED UTILIZING CURRENT SAFETY DESIGN AND INSTALLATION METHODS. THE SAFETY DESIGN FOR SHIELDING SHALL BE PROVIDED BY THE CONTRACTOR AND MUST BE APPROVED BY THE PROJECT MANAGER BEFORE IMPLEMENTING. THIS WORK, INCLUDING DESIGN, INSTALLATION, AND REMOVAL OF THE SHIELDING, SHALL BE CONSIDERED INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO ADDITIONAL PAYMENT WILL BE MADE.
- THE CONSTRUCTION CLEAR ZONE FOR THE RAILROAD IS 25 FEET FROM CENTER OF THE CLOSEST TRACK.
  THERE SHALL BE NO STORING OF ANY EQUIPMENT OR MATERIALS WITHIN THE RAILROAD RIGHT OF WAY.
- THE CONTRACTOR SHALL NOTIFY THE ALBUQUERQUE TRAFFIC ENGINEERING DIVISION (857-8680) THREE (3)
  WORKING DAYS IN ADVANCE OF ANY WORK REQUIRED REGARDING ALL EXISTING REGULATORY SIGNS AND
  SIGNALS THAT NEED TO BE REMOVED, RELOCATED, OR REINSTALLED.
- 10. IF EXISTING TRAFFIC SIGNALS ARE TURNED OFF, THE CONTRACTOR SHALL HAVE AN OFF-DUTY POLICE OFFICER DIRECT TRAFFIC - CONTACT APD OFF DUTY OVERTIME AT 768-2380. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO ADDITIONAL PAYMENT WILL BE MADE.
- 11. THE CONTRACTOR SHALL NOTIFY THE PROJECT MANAGER NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE PROJECT MANAGER AND SHALL NOTIFY THE PROJECT MANAGER 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 ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, CONTRACTOR SHALL, AT THE CONTRACTOR'S 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.
- 12. THE CONTRACTOR WILL BE REQUIRED TO CONFINE THEIR WORK WITHIN THE CONSTRUCTION LIMITS AND/OR RIGHT OF WAY TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNIGHT PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS, DOORWAYS/ENTRANCES, OR DESIGNATED TRAFFIC LANES.
- 13. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT BUILDING STRUCTURES ADJACENT TO THE PROJECT NOT BE DAMAGED DUE TO ANY CONSTRUCTION ACTIVITIES. DAMAGE CAUSED TO ANY BUILDING STRUCTURE WILL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, INCLUDING ALL COSTS INCURRED IN RESTORING/REPAIRING SAID DAMAGE.
- 14. THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN FOR PEDESTRIAN IMPROVEMENTS TO THE PROJECT MANAGER FOR REVIEW AND APPROVAL PRIOR TO INITIATING ANY CONSTRUCTION WORK AFFECTING PEDESTRIANS. THIS PLAN SHALL INCLUDE THE METHOD PROPOSED TO MAINTAIN PEDESTRIAN ACCESS TO BUSINESSES, SCHOOLS, HOSPITALS, BUILDINGS, ETC. THE CONTRACTOR SHALL MEET ADA ACCESSIBILITY REQUIREMENTS. THIS WORK IS CONSIDERED AS INCLUDED IN BID ITEM 19.010.
- 15. 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 AND THE CITY. THIS WORK IS CONSIDERED AS INCLUDED IN BID ITEM 4 010.
- 16. THE CONTRACTOR SHALL BE RESTRICTED TO THE USE OF A 35 TON MAXIMUM NON-VIBRATORY ROLLER TO OBTAIN THE REQUIRED COMPACTION IN PAVEMENT STRUCTURE, ROADWAY BACKFILL, EMBANKMENT, AND SUBGRADES IN URBAN AREAS WHERE THE USE OF HEAVIER EQUIPMENT COULD DAMAGE UNDERGROUND UTILITIES OR OTHER PERMANENT STRUCTURES, OR AS DIRECTED BY THE PROJECT MANAGER.
- 17. MANHOLE RIM ELEVATIONS SHOWN ON THESE PLANS ARE APPROXIMATE AND WILL VARY WITH THE FINISHED PAVEMENT ELEVATIONS.
- 18. ALL RADII OF CURB RETURNS ARE SHOWN TO THE FACE OF CURB AND, UNLESS OTHERWISE NOTED, ALL OFFSETS AND DIMENSIONS ARE TO THE FACE OF CURB. MATCH FLOWLINES OF GUTTERS WHEN CONNECTING NEW CURB AND GUTTER WITH EXISTING CURB AND GUTTER.

- 19. THE CONTRACTOR SHALL VERIFY ALL EXISTING FIRE HYDRANT FLANGES, PADS, VALVE BOXES, MANHOLE RIMS AND TOP OF PIPE ELEVATIONS IN THE FIELD. ELEVATIONS SHALL BE ADJUSTED TO COMPLY WITH THE REQUIREMENTS OF THE STANDARD CITY DETAILS.
- 20. 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".
- 21. THE CONTRACTOR SHALL WARP SLOPES WHERE NECESSARY TO STAY WITHIN THE RIGHT OF WAY OR CONSTRUCTION EASEMENT LIMITS. THE WORK SHALL BE AS DIRECTED BY THE PROJECT MANAGER. PROPOSED IMPROVEMENTS & RELATED GRADING SHALL BE MAINTAINED WITHIN THE RIGHT OF WAY OR CONSTRUCTION EASEMENT LIMITS.
- 23. THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVEMENTS, PAVEMENT MARKINGS, CURB AND GUTTER, DRIVEPADS, HANDICAP RAMPS, AND SIDEWALK DURING CONSTRUCTION APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REMOVE AND REPLACE AS PER COA STANDARDS, AS APPLICABLE, AT THEIR OWN EXPENSE.
- 24. WHEN REMOVAL OF EXISTING CURB AND GUTTER OR SIDEWALK IS REQUIRED, REMOVE TO NEAREST JOINT.
- 25. ALL CONSTRUCTION DEBRIS, SPOIL AND NON-SALVAGEABLE ITEMS BECOME THE PROPERTY OF THE CONTRACTOR AND PROPER DISPOSAL OF THESE ITEMS IS THE RESPONSIBILITY OF THE CONTRACTOR. ANY HAUL COSTS ASSOCIATED WITH THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.
- 26. CITY OWNED STREET LIGHT ITEMS, SIGNAL ITEMS, AND SIGNING REMOVED FROM THIS PROJECT ARE TO BE HAULED AND STOCKPILED AT THE CITY OF ALBUQUERQUE PINO YARDS AS DIRECTED BY THE PROJECT MANAGER. HAUL OF SUCH MATERIAL SHALL BE PERFORMED DURING NORMAL WORKING HOURS AS DIRECTED BY THE PROJECT MANAGER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT PRICE FOR EACH SALVAGE ITEM.
- 27. ALL TRENCH EXCAVATION BACKFILL WITHIN THE ROADWAY PRISM SHALL BE COMPACTED TO 95% OF THE MODIFIED PROCTOR PER COA STANDARDS, SECTION 701.
- ANY EARTHWORK HAUL ON THIS PROJECT WILL BE CONSIDERED AS INCIDENTAL TO THE PROJECT AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
- 29. STRUCTURAL FILL FOR EMBANKMENTS, PAVEMENTS, AND STRUCTURES SHALL BE PLACED IN LIFTS THAT, FOLLOWING COMPACTION, DO NOT EXCEED 8". FILLS SHALL BE COMPACTED AT MOISTURE CONTENTS WITHIN +/- 2% OF OPTIMUM MOISTURE CONTENT. SELECT STRUCTURAL FILL AROUND CULVERTS AND OTHER STRUCTURAL SHALL BE COMPACTED, USING HAND OPERATED COMPACTION EQUIPMENT AND IN LIFTS NOT EXCEEDING 4", TO THE DENSITY AND MOISTURE CONTENT SPECIFIED ABOVE. THE UPPER 12" OF ROADBEDS SHALL BE COMPACTED TO 95% OF MAXIMUM DRY DENSITY (ASTM 1557).
- 30. ALL EXISTING UTILITIES SHOWN HEREIN WERE TAKEN FROM RECORD DRAWINGS, FIELD SURVEYS, C.O.A. SYSTEMS UIILITIES MAPS AND INFORMATION PROVIDED BY THE UTILITY OWNERS AND ARE APPROXIMATE. IT WILL BE CONTRACTORS RESPONSIBILITY TO FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS AND TYPE OF EXISTING UTILITIES TO BE ADJUSTED OR EXTENDED AND TO PROVIDE PROTECTION FOR ALL UTILITIES WITHIN THE CONSTRUCTION AREA. THE CONTRACTOR WILL BE RESPONSIBLE FOR EXPLORATORY TRENCHING AND EXPOSING OF EXISTING UTILITIES (POTHOLING) TO CONFIRM SIZE, LOCATION, ETC. THIS WORK SHALL BE CONSIDERED AS INCIDENTAL TO THE PROJECT.
- 31. CONTRACTOR IS TO EXERCISE DUE CARE TO AVOID DISTURBING ANY EXISTING UTILITIES. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH THE UTILITY COMPANIES IN ORDER TO PREVENT ANY SERVICE DISRUPTION THAT MIGHT RESULT FROM PROJECT CONSTRUCTION. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT AND PRESERVE UTILITY EQUIPMENT AFFECTED BY PROJECT CONSTRUCTION. SHOULD THE CONTRACTOR BREAK AN EXISTING UTILITY LINE DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS. THIS WORK SHALL BE RESPONSIBLE FOR UTILITY REPAIR COSTS.
- 32. THE CONTRACTOR IS HEREBY ADVISED THAT UTILITY RELOCATION WORK AND/OR NEW CONSTRUCTION OF UTILITIES WILL HAVE TO BE PERFORMED CONCURRENT WITH CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE FOR UTILITY WORK IN CONJUNCTION WITH PROJECT CONSTRUCTION OPERATIONS AND SHALL BE REQUIRED TO COORDINATE THE SCHEDULING OF WORK WITH THE RESPECTIVE UTILITY OWNERS. A LIST OF CONTACT NAMES IS PROVIDED ON SHEET 1-3. A UTILITY COORDINATION MEETING SHALL BE SET UP BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO ANY CONSTRUCTION ACTIVITY. COORDINATION OF UTILITY RELOCATION/NEW CONSTRUCTION SHALL BE DETAILED AT THIS MEETING.
- 33. THE CONTRACTOR SHALL NOTIFY THE LOCAL FIRE DEPARTMENT AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF WHEN FIRE HYDRANTS WILL BE TAKEN OUT OF SERVICE AND RETURNED TO SERVICE.
- 34. THE CONTRACTOR SHALL ADJUST TO GRADE, ALL WATER VALVE BOXES, SANITARY SEWER MANHOLES, AND STORM DRAIN MANHOLES WHICH MAY BE AFFECTED BY THIS CONTRACT.
- 35. SHOULD NON-COPPER WATER SERVICES BE ENCOUNTERED DURING CONSTRUCTION, CONTRACTOR SHALL REPLACE ENTIRE SERVICE LINE FROM MAIN TO METER WITH SAME SIZE COPPER TUBING. NO SPLICES ARE ALLOWED IN SERVICE LINE
- 36. WATER SERVICE LINES MUST BE REPLACED FROM MAIN TO METER WHEN RELOCATION OF WATER METER REQUIRES EXTENSION OF THE SERVICE LINE. PAYMENT FOR THIS WORK IS CONSIDERED INCLUDED IN THE COST OF THE WATER METER RELOCATION AND NO ADDITIONAL PAYMENT WILL BE MADE THEREFOR. NO SPLICES ARE ALLOWED IN SERVICE LINE.
- 37. RELOCATION OF WATER METER BOXES SHALL REQUIRE NEW METER BOXES. OLD METER BOXES SHALL NOT BE REUSED.
- ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29 CFR 1926.650 SUBPART P.
- 39. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DISPOSING OF DEBRIS, INCLUDING BUT NOT LIMITED TO HAZARDOUS WASTE AT DISPOSAL SITES APPROVED BY GOVERNMENTAL AGENCIES REGULATING THE DISPOSAL OF SUCH MATERIALS.
- 40. THE CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORK SITE AND SHALL PROMPTLY REMOVE ANY AND ALL GRAFFITI FROM EQUIPMENT, WHETHER PERMANENT OR TEMPORARY. THIS WORK IS CONSIDERED INCIDENTAL TO THE PROJECT.

- 11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AND MAINTAINING ALL CONSTRUCTION SIGNING UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY.
- 42. VIBRATION MONITORING AND VIDEO TAPING SHALL BE PERFORMED IN AND AROUND ALL STRUCTURES AS DEFINED IN THIS GENERAL NOTE AND AS DIRECTED BY THE PROJECT MANAGER. "STRUCTURES" IS DEFINED AS BRIDGES, CULVERTS, CATCH BASINS, DROP INLETS, RETAINING WALLS, CRIBBING, MANHOLES, ENDWALLS, BUILDINGS, SEWERS, SERVICE PIPES, UNDER DRAINS, FOUNDATION DRAINS, AND OTHER SUCH FEATURES THAT MAY BE ENCOUNTERED IN THE WORK. THE CONSTRUCTION AREA AND AREAS ADJACENT TO THE LIMITS OF CONSTRUCTION SHALL ALSO BE VIDEO TAPED. VIBRATION MONITORING, VIDEO TAPING, AND RELATED WORK SHALL BE PERFORMED ACCORDING TO THE SPECIFICATIONS INCLUDED IN THE SUPPLEMENTAL TECHNICAL SPECIFICATIONS OF THE CONTRACT BOOK AND PAID IN ITEM 1600.001.
- 43. STRUCTURES SHALL BE CLEAN AT THE TIME OF FINAL PROJECT ACCEPTANCE. THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO THE COMPLETION OF THE PROJECT AND NO SEPARATE MEASUREMENT OR PAYMENT WILL BE MADE THEREFOR.
- 14. THE DESIGN R VALUE FOR THIS PROJECT IS 50. WHERE SOILS WITH AN R VALUE OF LESS THAN 50 OCCUR AT FINISHED SUBGRADE OF PAVED ROADWAY AREAS, THESE SOILS SHALL BE OVEREXCAVATED A VERTICAL DEPTH OF AT LEAST 2 FEET AND FOR A LATERAL DISTANCE OF AT LEAST 3 FEET OUTSIDE OF THE BACK EDGE OF CURB. THE OVEREXCAVATED MATERIAL SHALL BE REPLACED WITH A MORE GRANULAR MATERIAL HAVING AN R VALUE OF AT LEAST 50.
- 45. EXISTING MANHOLE DIAMETERS WERE TAKEN FROM AS-BUILT INFORMATION. CONTRACTOR SHALL CONFIRM DIAMETER OF EXISTING MANHOLE PRIOR TO BEGINNING CONSTRUCTION OF CONNECTION OF NEW STORM DRAIN PIPE. SHOULD THE MANHOLE DIAMETER OR CONDITION NOT BE ADEQUATE THE MANHOLE WILL BE REMOVED AND A NEW MANHOLE OF ADEQUATE DIAMETER WILL BE CONSTRUCTED AS DIRECTED BY THE PROJECT MANAGER. PAYMENT FOR THIS WORK SHALL BE PER MANHOLE REMOVAL AND NEW MANHOLE CONSTRUCTION ITEMS.
- 16. THE CONTRACTOR SHALL COORDINATE WITH THE WATER AUTHORITY SEVEN (7) DAYS IN ADVANCE OF PERFORMING WORK THAT WILL AFFECT THE PUBLIC WATER OR SANITARY SEWER INFRASTRUCTURE. WORK REQUIRING SHUTOFF OF FACILITIES DESIGNATED AS MASTER PLAN FACILITIES MUST BE COORDINATED WITH THE WATER AUTHORITY 14 DAYS IN ADVANCE OF PERFORMING SUCH WORK. ONLY WATER AUTHORITY CREWS ARE AUTHORIZED TO OPERATE PUBLIC VALVES. SHUTOFF REQUESTS MUST BE MADE ONLINE AT http://documa.org/content/view/463/729/.
- 47. THE SCALES SHOWN ON THE SHEETS OF THIS PLAN SET ARE FOR FULL SIZE (22"X34") PLANS. THE SCALE FOR HALF SIZE PLAN SETS (11"X17") SHOULD BE ADJUSTED ACCORDINGLY.
- 48. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING STORM DRAIN CONFLICTS DURING CONSTRUCTION.
- 49. IN THE CASE OF A CONFLICT BETWEEN CONDUIT OR EQUIPMENT PLACEMENT AND STORM DRAIN, THE CONTRACTOR SHALL INFORM THE CONSTRUCTION MANAGEMENT TEAM AND THE CITY PROJECT MANAGER (768-3616) BEFORE PROCEEDING WITH ANY DEVIATIONS FROM THE PLANS.
- 50. SHOULD ANY IMPACT OCCUR TO STORM DRAIN PIPE DURING CONSTRUCTION EFFORTS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE CITY OF ALBUQUERQUE STORM DRAIN MAINTENANCE TO INSPECT THE IMPACTED PIPE.
- 51. REPAIRS TO IMPACTED PIPE REQUIRED BY THE CITY OF ALBUQUERQUE STORM DRAIN MANAGEMENT PERSONNEL SHALL BE THE FINANCIAL AND CONSTRUCTION RESPONSIBILITY OF THE CONTRACTOR.
- 52. THE CONTRACTOR IS HEREBY ADVISED THAT THIS PROJECT INVOLVES WORK WITH THE NEW MEXICO DEPARTMENT OF TRANSPORTATION RAILROAD RIGHT OF WAY (MMRX RAILROAD). CONTRACTOR IS FURTHER ADVISED OF THE SAFETY SENSITIVE NATURE OF WORKING WITHIN RAILROAD RIGHT OF WAY. THE CONTRACTOR SHALL ARRANGE THROUGH RIO METRO REGIONAL TRANSIT DISTRICT (NMRX RAILROAD OPERATOR) REQUIRED RAILROAD FLAGGING PROTECTION SERVICES AND RAILROAD SAFETY CERTIFICATION FOR ALL OF THE CONTRACTOR'S PROJECT EMPLOYEES PRIOR TO CONDUCTING ANY ROADWAY WORK WITHIN RAILROAD RIGHT-OF-WAY. THE CONTRACTOR SHALL ADHERE TO ALL RAILROAD SAFETY AND INSURANCE REQUIREMENTS WHILE WORKING WITHIN RAILROAD RIGHT-OF-WAY
- 53. THE CONTRACTOR SHALL COORDINATE ITS ROADWAY WORK WITH THE RAILROAD AND ITS CROSSING SURFACE AND CROSSING SIGNAL WORK FORCES TO ENSURE A PROPER TIE-IN BETWEEN THE TWO ELEMENTS.

SINEER'S SEAL SURVEY INFORMATION

BY THE SIDEWALK, LOCATED 0.5 MI. SE OF CONTROL AND BROADWAY BLVD. N. CONTROL OF CENTRAL AND BROADWAY BLVD. N. CONTROL OF CENTRAL AND BROADWAY BLVD. N. CONTROL OF CENTRAL AND BROADWAY BLVD. N. MICRO-FILM INFORMATION OF CONTROL OF CONTR

Į				$\Xi$	õ	2	2
				RCHIT	DEC 20.	DEC 20.	DEC 20.
				8 A	DATE	DATE	DATE
		REMARKS	REVISIONS	PANY, ENGINEERS & ARCHITEC	CLL	MRJ	998
	 	Ш		& COMPANY,	ВҮ		3.4
		ATE		∞	ED 8Y	8	D 8Y

DE LA SERVICIO	CITY OF ALBUQUERQUE
	DEPARTMENT OF MUNICIPAL DEVE
	ENGINEERING DIVISION
- Augustin	

INDIAN SCHOOL & NMRX CROSSING IMPROVEMENTS
GENERAL NOTES

WILSON

740486

H-14-Z

1-2

OPMENT

#### SYMBOL LEGEND: 8 SITE, ROOF DRAIN ELECTRICAL, LIGHT POLE SITE, PICNIC TABLE ELECTRICAL, LIGHT POLE w/2' CONC BASE SITE, WHEEL STOP 鹵 ELECTRICAL, LIGHT POLE on GROUND ●PP ELECTRICAL, POWER POLE SITE, CONTROL POINT UTILITY, WATER FAUCET GO ELECTRICAL, JUNCTION BOX UTILITY, TV PEDESTAL ⑤ ELECTRICAL, MANHOLE ELECTRICAL, TRANSFORMER SITE, GREASE TRAP ĀĠ HVAC EQUIP, AC EQUIP SITE, COLUMN (24" DIA) UTILITY, WATER MANHOLE SITE, COLUMN (2'x2') Ø UTILITY, FIRE HYDRANT SITE, TRASH BIN UTILITY, WALL HYDRANT SITE, BIKE RACK (8) UTILITY, WATER METER UTILITY, VENT PIPE UTILITY, UNKNOWN MANHOLE SITE, BUSH UTILITY, GAS METER TREE, DECIDUOUS EXISTING UTILITY, GAS VALVE TREE, EVERGREEN EXISTING UTILITY, GAS REGULATOR ELECTRICAL, UNDERGROUND LINE UTILITY, SANITARY MANHOLE (\$) - w - UTILITY, WATER LINE UTILITY, STORM DRAINAGE MANHOLE - T - UTILITY, TELEPHONE LINE UTILITY, SPRINKLER CONTROL BOX UTILITY, FIBER OPTIC LINE UTILITY, SANITARY CLEANOUT -ss - UTILITY, SANITARY SEWER LINE UTILITY, WATER VALVE → SITE, FENCE CHAINLINK UTILITY, TELEPHONE PEDESTAL -- SITE, FENCE (PIPE) UTILITY, TELEPHONE MANHOLE SITE, GUARD RAIL ☐ DRAINAGE, CATCH BASIN SITE, FINISH FLOOR ELEVATION O~ SITE, FLAG POLE \_\_\_\_\_CONTOUR, INDEX SITE, TRAFFIC SIGN \_\_\_\_\_ CONTOUR, INTERMEDIATE UTILITY, WATER VAULT GRND GROUND SITE, MAILBOX CONC CONCRETE SITE, BOLLARD ASPH ASPHALT SITE, CURB INLET

### UTILITY CONTACT LIST:

Phone and Email Address Name Office Phone:505.289.3031 ABCWUA Damian Luna Senior Engineer P.O. Box 1293 Office Fax:505.768.3629 Email:dluna@abcwua.org Albuquerque, NM 87103 Office Phone:505.697.6802 Joseph Herrera New Mexico Gas Co. Cell Phone:505.401.7642 Project Manager, Gas Operations 4625 Edith Blvd. NE - MS GS65 Email: jjherrera@tecoenergy.com Albuquerque, NM 87107 Andrew GuruleOffice Phone:505.241.0589 PNM Electric Co. Office Fax:505.241.3620 4201 Edith Blvd. NW Cell Phone:505.280.8014 Albuquerque, NM 87107 Email:andrew.gurule@pnm.com Phone:505.245.6374 Rosarito KniffinOffice Century Link Office Fax:505.245.6733 Engineer II Cell Phone:505.417.7629 400 Tijeras NW - Room 520 Email: Rosarito. Kniffen@CenturyLink.com Albuquerque, NM 87102

### RAILROAD CONTACT LIST:

Name Phone and Email Address Office Phone:505-264-5105 Rio Metro Regional Transit District Mathew Wylie Office Fax:505-247-1753 Quality Assurance Coordinato Email:mwylie@mrcog-nm.gov 809 Copper Ave. NW Albuquerque, NM 87120 Rob Fine Office Phone:505-827-5133 New Mexico Department of Transportation Rail Bureau Cell Phone:505-629-2830 1120 Cerrillos Road Santa Fe, NM 87505 Email:robert.fine@state.nm.us

	ENGINEER'S SEAL	ë j			( 62 ) S	10 30 30 S	No.		
				ВХ		TECTS	DEC 2016	DEC 2016	2016
						RCHI			DEC
				RKS	S	ENGINEERS & ARCHITECTS	DATE	DATE	DATE
				REMARKS	REVISIONS	COMPANY, ENGINE	CIT	MRJ	998
<b>WILSON</b> &COMPANY				NO. DATE		MILSON & CO	DESIGNED BY	DRAWN BY	снескер вү
CITY OF ALBUQUERG DEPARTMENT OF MUNICIPAL I ENGINEERING DIVISIO	ΈV		DPM	1	L Т	<u> </u> ≥			0
AN SCHOOL & NMRX CROSSI SYMBOL LEGEND & UTILITY			IPR TAC					ΓS	
eview Committee City Engineer Approval		Mo./	Day/Y	·		Мо	/Do	y/Y:	`

H-14-Z

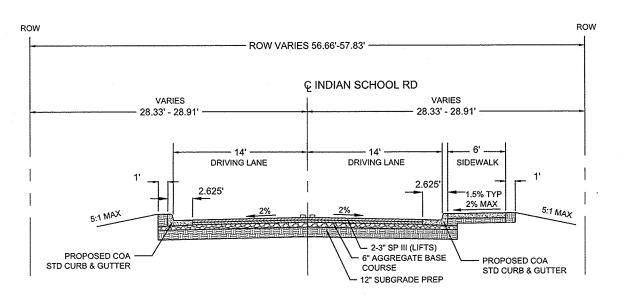
1-3

INDI

Design R

740486

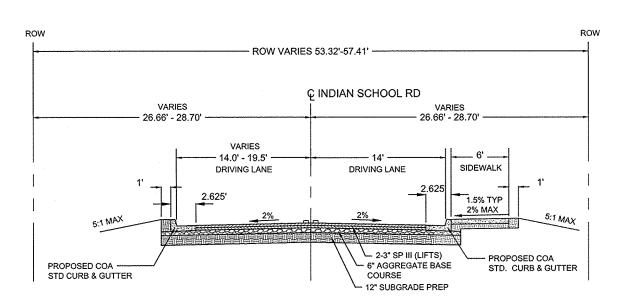
A PAR PAR



## INDIAN SCHOOL PROPOSED TYPICAL SECTION-A

SCALE: 1"=5"

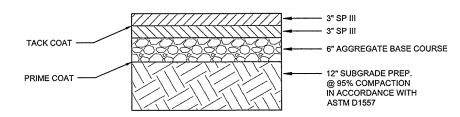
STA 10+67.05 TO STA 12+02.72 STA 12+25.14 TO STA 13+30.30



### INDIAN SCHOOL PROPOSED TYPICAL SECTION-B

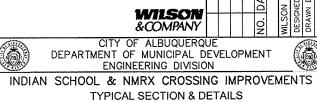
CALE: 1"=5"

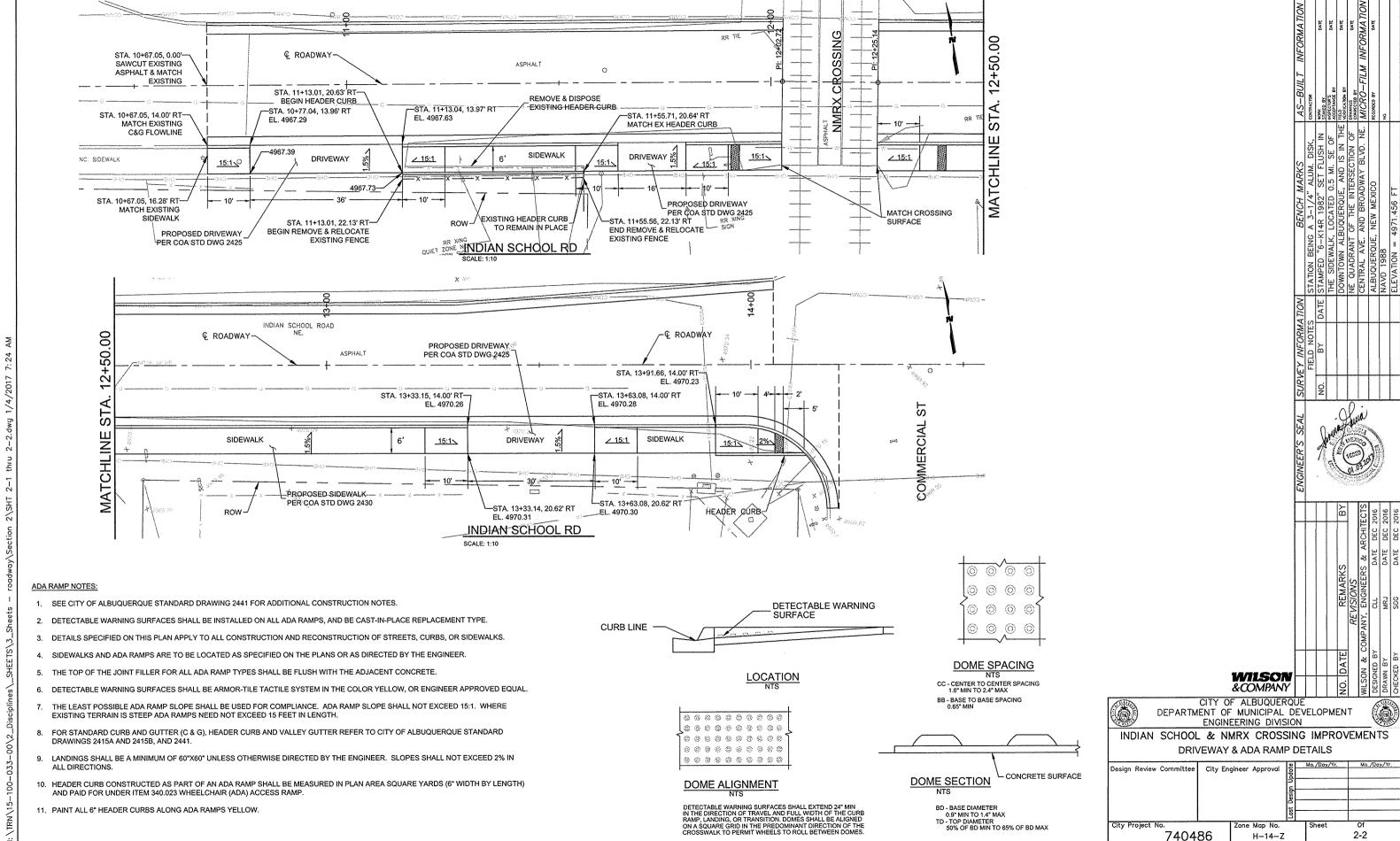
STA 13+30.30 TO STA 14+05.44

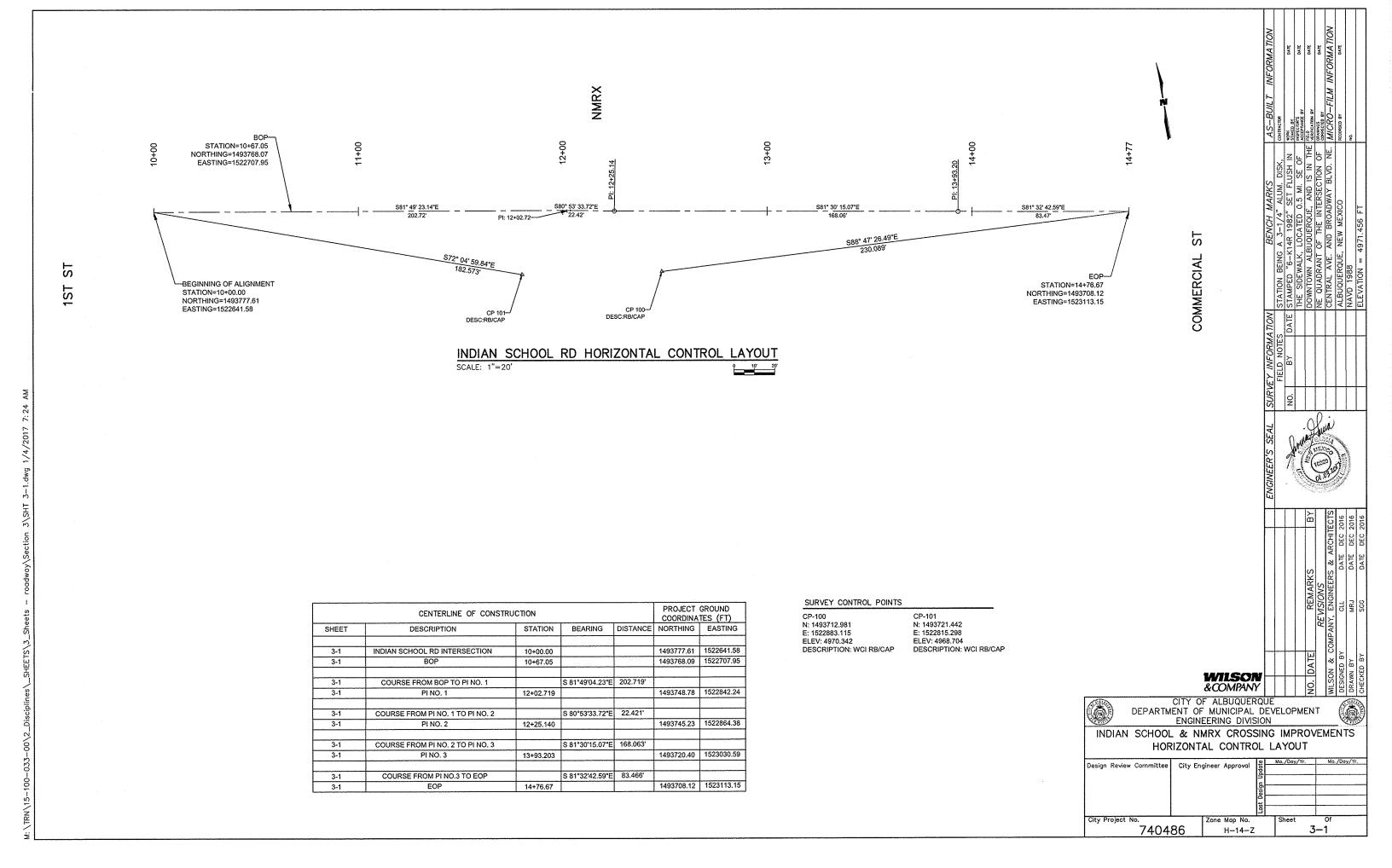


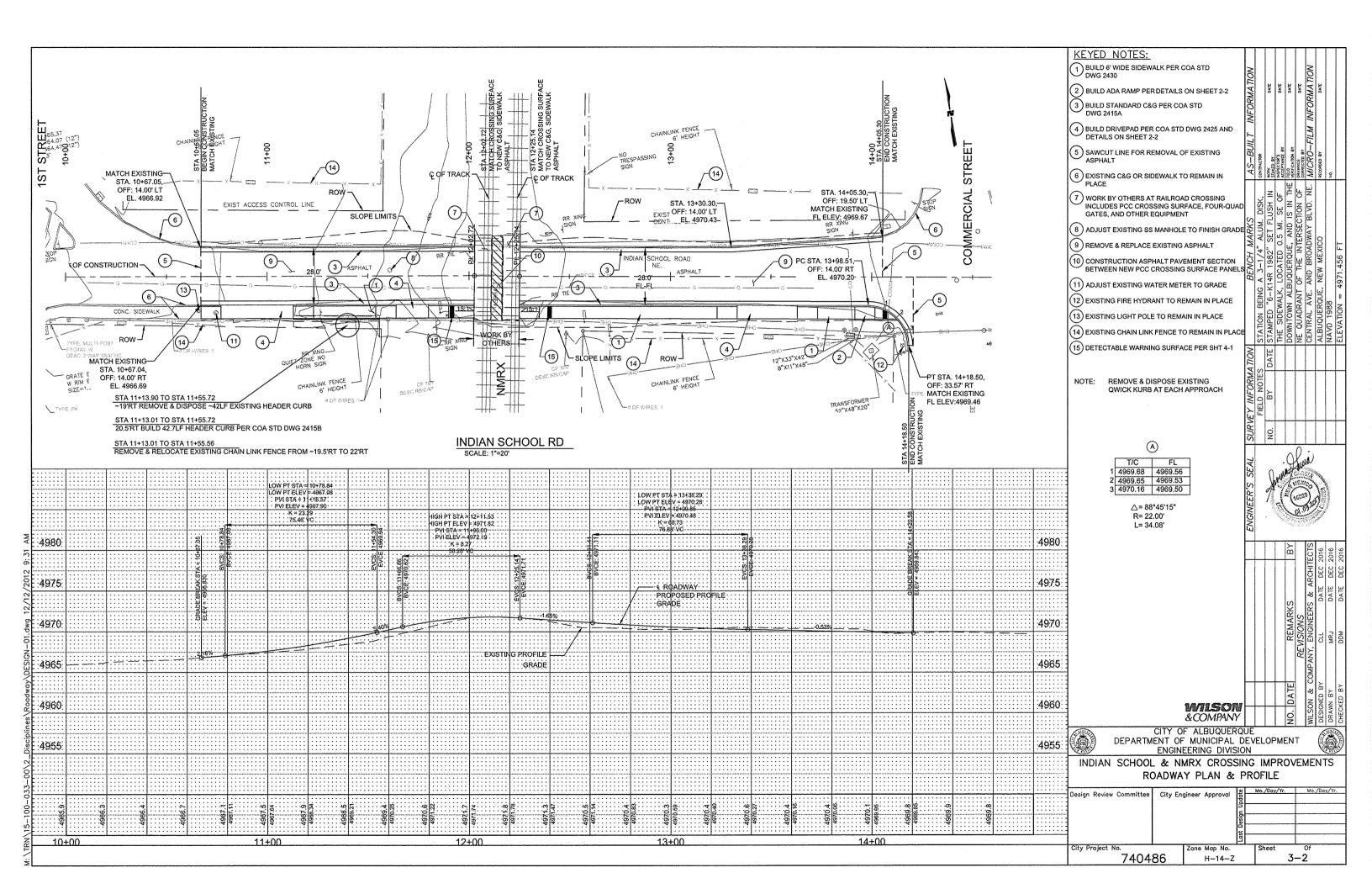
INDIAN SCHOOL PROPOSED FLEXIBLE PAVEMENT SECTION

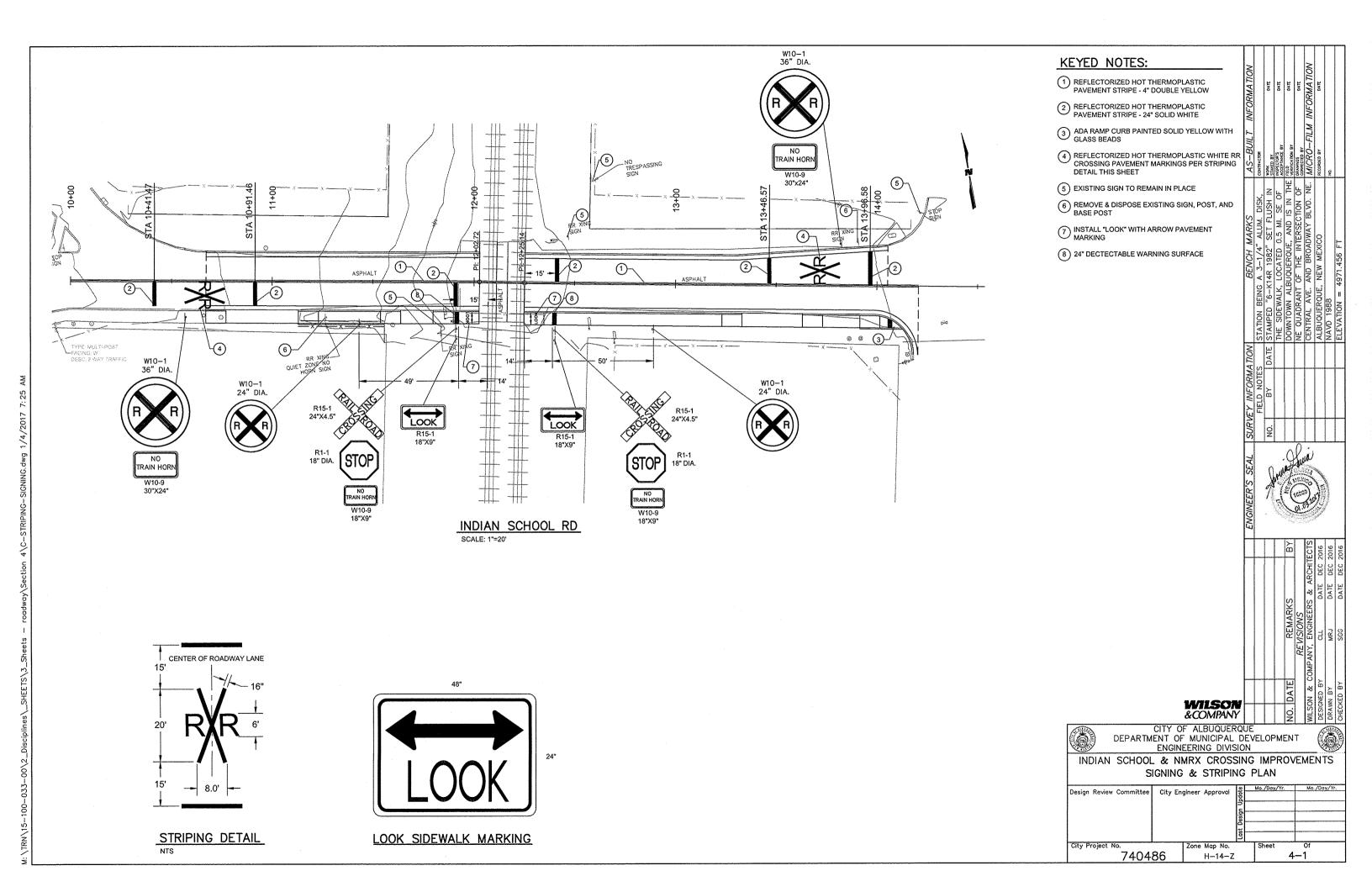
SCALE: NONE



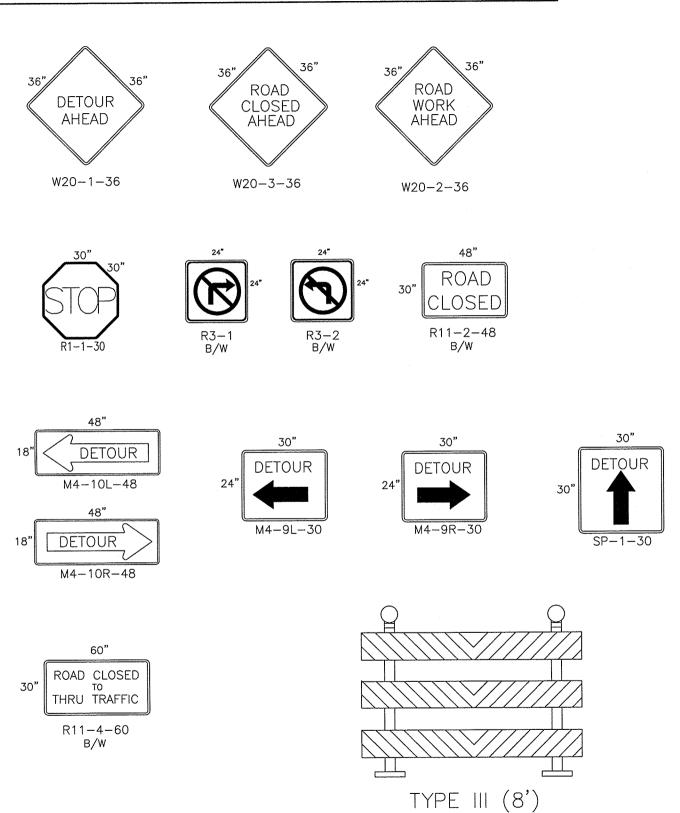


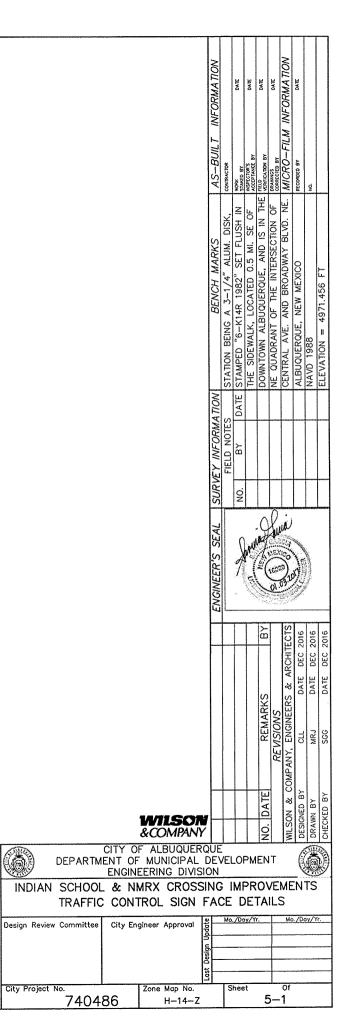


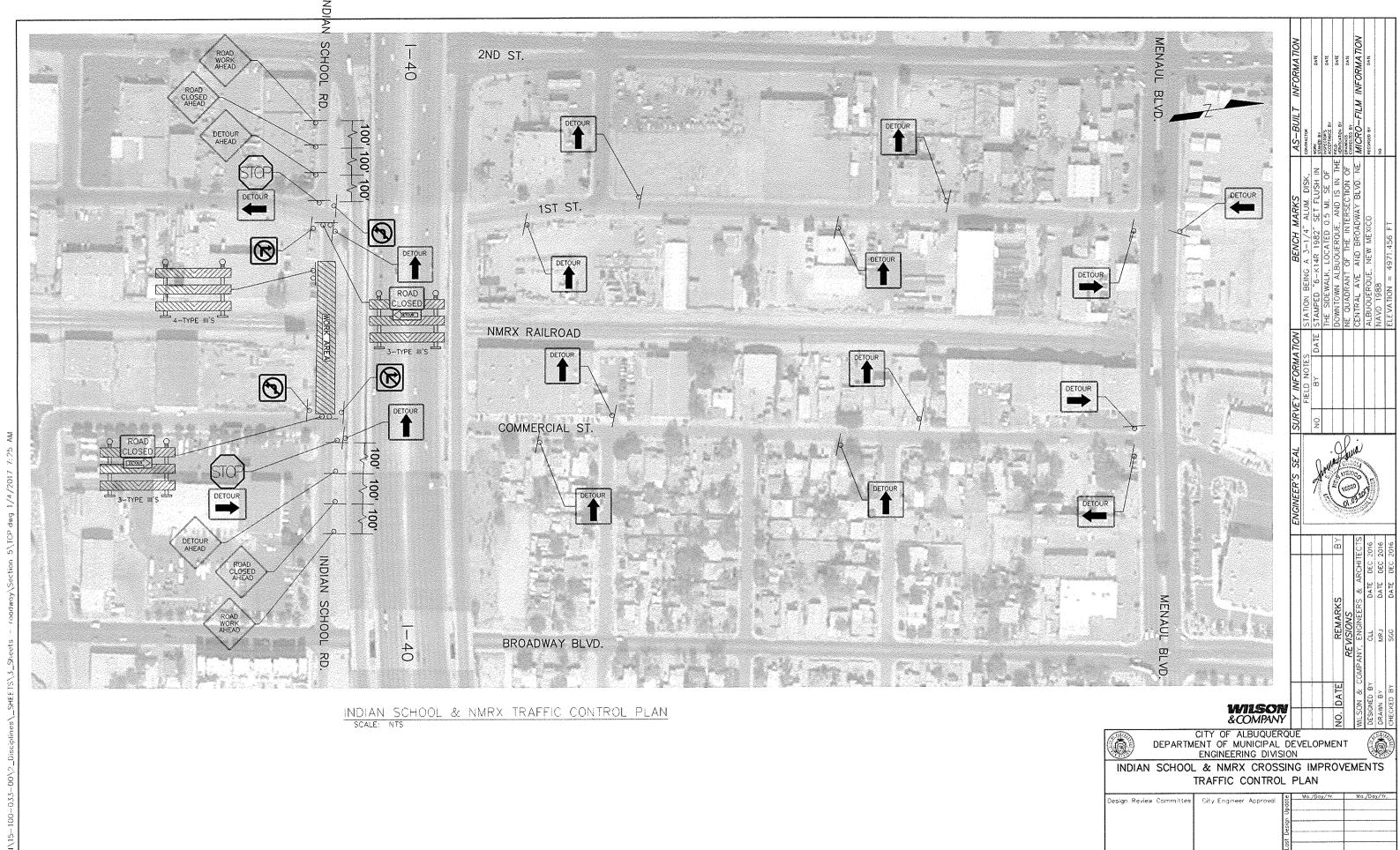




### TRAFFIC CONTROL SIGN FACE DETAILS



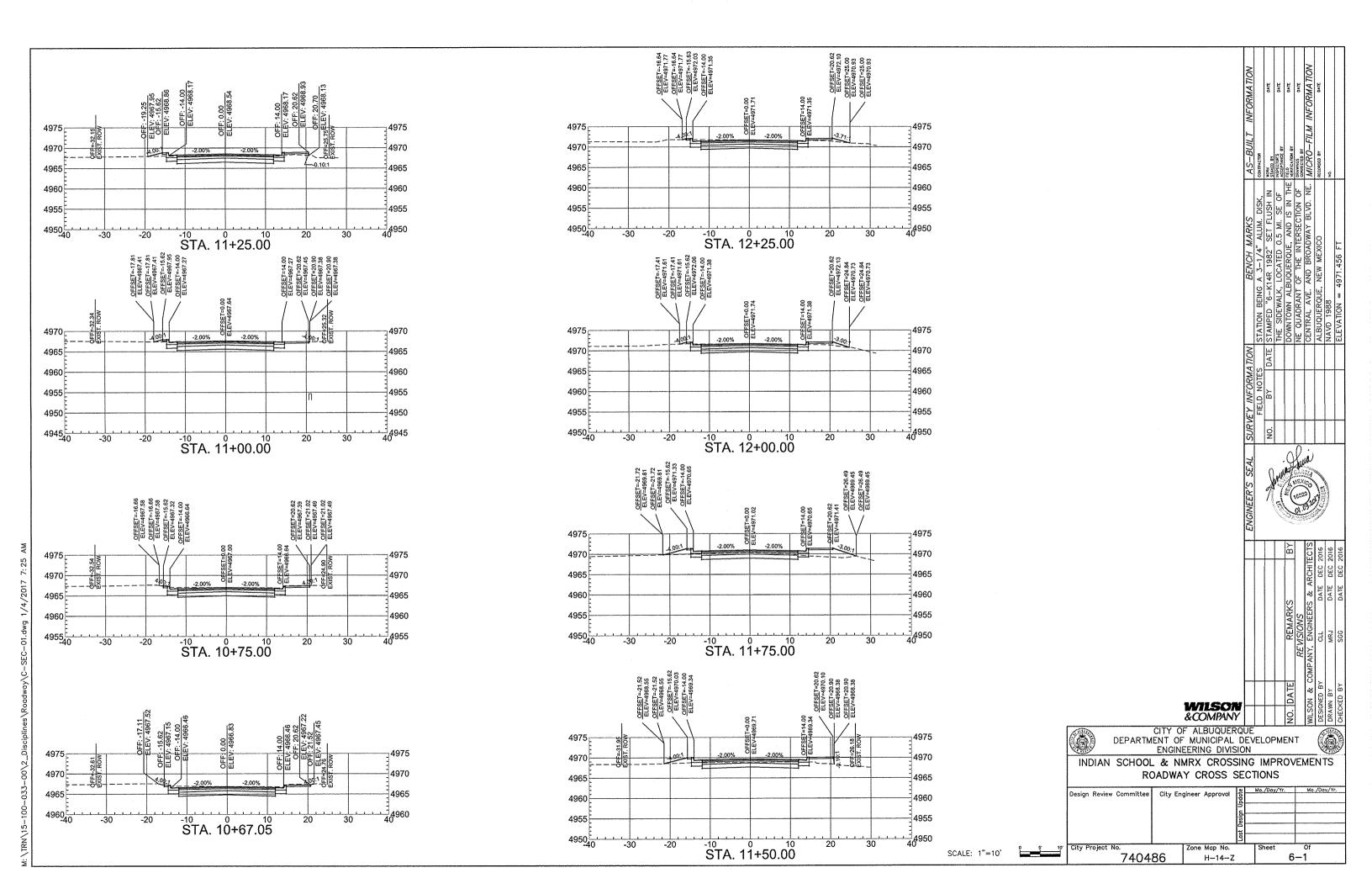


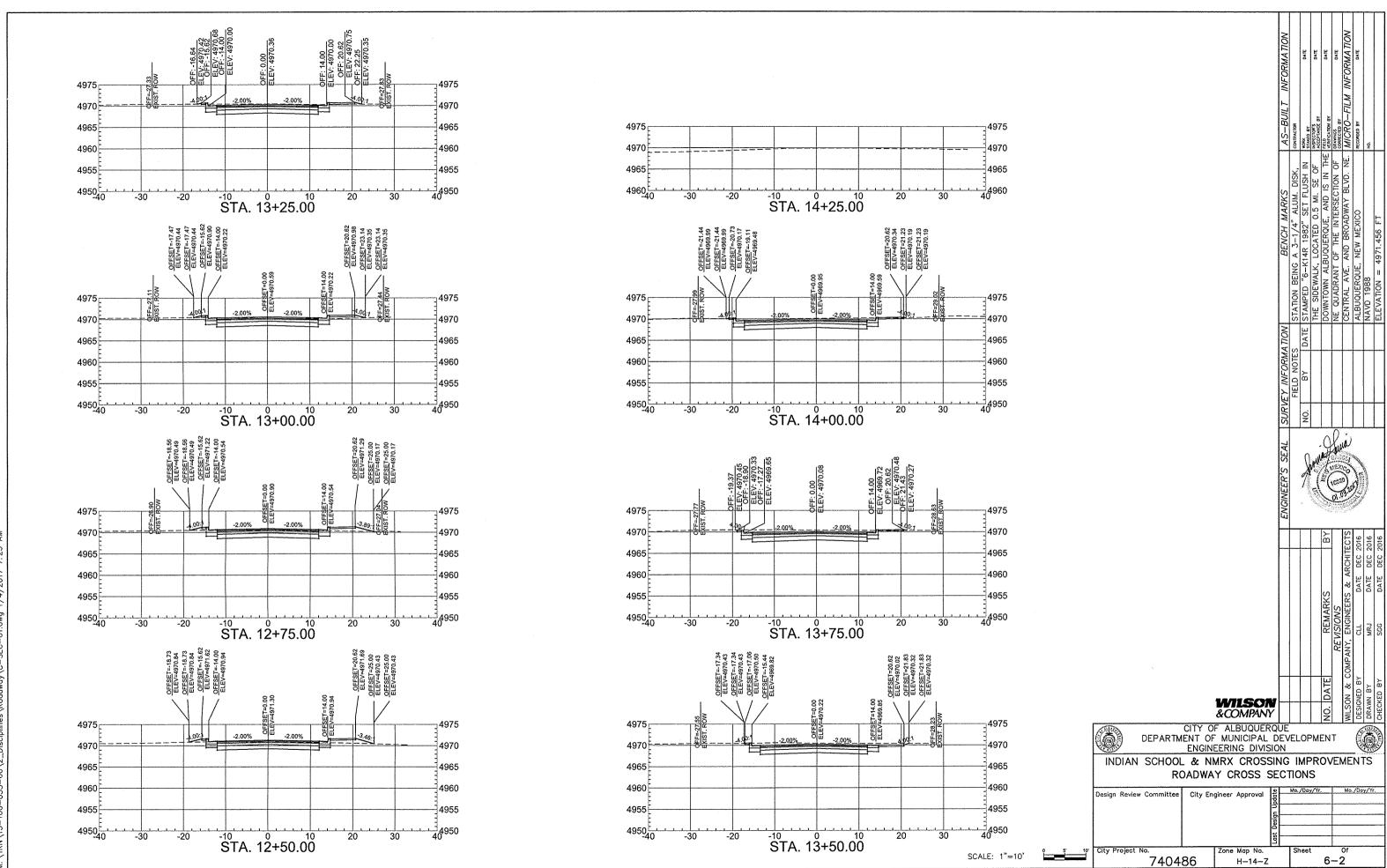


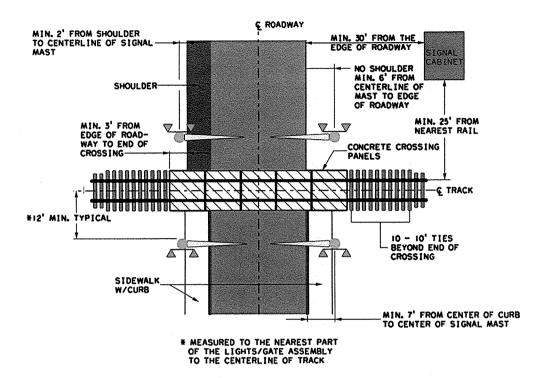
5-2

740486

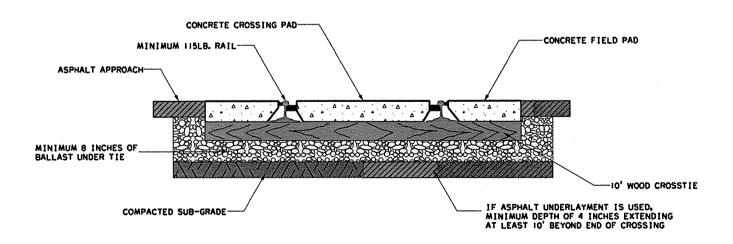
H-14-Z





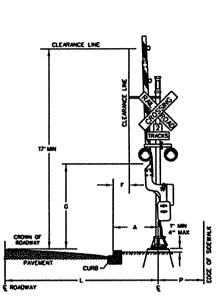


### AT GRADE CROSSING LAYOUT PLAN



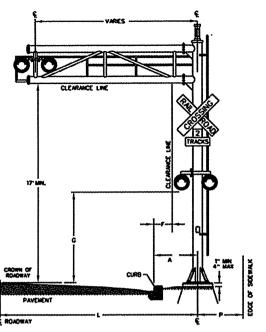
AT GRADE CROSSING CROSS SECTION

	ACT MICORY TIME ON	AS-BUIL INFORMATION CONTRACTOR RECORD	NSPECTOR'S ACCEPTANCE BY ACCEPTANCE BY ACCEPTANCE BY ACCEPTANCE BY ACCEPTANCE BY	VECTORIOR DE L'ACTORITOR DE L'ACTORI	MICRO-FILM INFORMATION	RECORDED BY DATE	жо.	
	DENCH HABKS	STATION BEING , STAMPED "6-K1	THE SIDEWALK, LOCATED 0.5 MI. SE OF RESERVINGS BY DOWNTOWN AI BUIOUFROUE. AND IS IN THE 1999.	NE QUADRANT OF THE INTERSECTION OF	AY BLVD. NE.	ALBUQUERQUE, NEW MEXICO	NAVD 1988	ELEVATION = 4971,456 FT
	SHENDEN THEODINATE	SURVET INFURMATION FIELD NOTES NO. BY DATE						
	ENCHALEED'S CEAL	ENGINEER'S SEAL			W 100 00 00 00 00 00 00 00 00 00 00 00 00			
	-		REMARKS BY		ENGINEERS & ARCHITECTS	DATE DEC 2016	DATE DEC 2016	DATE DEC 2016
	<b>WILSON</b> & COMPANY		NO DATE REM	REV	MILSON & COMPANY, ENG	DESIGNED BY CLL	DRAWN BY MRJ	CHECKED BY SGG
DEPARTMENT EN	Y OF ALBUQUERQUE OF MUNICIPAL DE	VELOI G IMI	PMEN	ĮT.				0
	y Engineer Approval appoint in the second of	Mo./Do				/00	y/Yr	
City Project No. 740486	Zone Map No. H-14-Z	Shee		7—	Of 1			



TYPICAL URBAN TYPE CURB AND GUTTER PLAN FOR RAILROAD-HIGHWAY CROSSING SIGNALS WITH OR WITHOUT GATES

FIGURE 5



TYPICAL URBAN TYPE CURB AND GUTTER PLAN FOR RAILROAD-HIGHWAY CROSSING SIGNALS WITH TYPICAL CANTILEYER SPAN

FIGURE 6

	DIMENSIONS REFERENCE CHART													
	Α	8	С	D	ε	F	G	н	J	K	L	M	N	P
BHSF STANDARD	5·3- 4·3-	8-6-	145 12,-0- 15,-0-	78H 250	6' TYP. 4' MIN	2"-0" MMH	7'-6" 10 9'-6"	100-	30°-0"	25'-0"	VARES	X	X	27" MML
NOTES	NOTE B	HOTE 1		NOTE 1				NOTE 6						NOTE 1

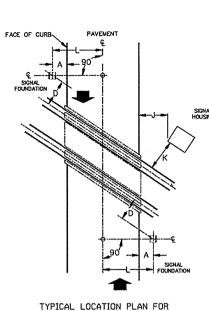
#### SPECIAL INSTRUCTIONS

- WHERE GATES ARE INSTALLED, ADDITIONAL CLEARANCE IS REQUIRED FOR THE COUNTERWEIGHT SUPPORTS. COUNTERWEIGHT EXTENDS. APPROXIMATILEY 4"-4" FROM CENTERLINE OF MAST. TO-0" MINIMAL FOR EXTENDED COUNTER WEIGHTS TO TRACK.
- 3. THE PREFERRED LOCATION OF HIGHRAY SIGNAL APPARATUS HOUSING IS IN DUARRING OF RALPOAD-HIGHRAY CROSSING NOT OCCUPIED BY SIGNALS NEAREST TO POLE LINE.
- 4. LATERAL AND VERTICAL CLEARANCE OF SIGNALS SHALL BE IN ACCORDANCE WITH FELIRE 5. AND FIGURE 6.
- 5. CUARDRAIS MAY NOT BE USED UNLESS THEY ARE APPROVED BY THE STATE IN WHICH THE CROSSING IS LOCATED, SEE CIRCUIT PLANS
- 6. STATE EXCEPTIONS:

DMENSON (L) 19-17 MIN DMENSON (C) 7-0-10 9-07, (L) 18-07 MIN DMENSON (A) 5-7 MAX DMENSON (C), (O), (O), (O) 12-07 MIN, 20'-07 MAX DMENSON (C) (O), (O), (O)

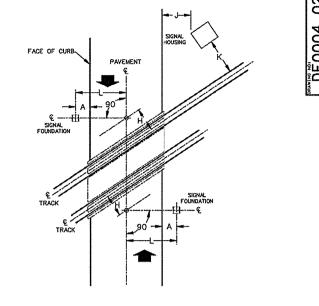
- 7. SDEWALKS, WHEN PROVIDED, SHOULD BE ROUTED TO THE OUTSDE OF THE CROSSING SIGNALS, NOT BETWEEN SCHALS AND INCRINAY, PEDESTRUM GATES MAY BE INSTALLED WHEN DIRECTED BY THE ROOM AUTHORITY.

	8URL		NORTHE		SANTA	FE				
	CROSSING SIGNAL & LOCATION PLAN HIGHWAY-RAIL CROSSING WITH CURBS									
A 01/23/86	Dave:   MM	2 set 3	STANDARD PLAN	Č	Ē0004	.01				



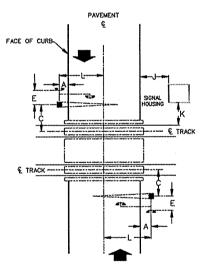
TYPICAL LOCATION PLAN FOR RAILROAD-HIGHWAY CROSSING SIGNALS WITH OR WITHOUT GATES FOR TWO-WAY HIGHWAY TRAFFIC ACUTE ANGLE

FIGURE 1



TYPICAL LOCATION PLAN FOR RAILROAD-HIGHWAY CROSSING SIGNALS WITH OR WITHOUT GATES FOR TWO-WAY HIGHWAY TRAFFIC OBTUSE ANGLE

FIGURE 2



TYPICAL LOCATION PLAN FOR RAILROAD-HIGHWAY CROSSING SIGNALS WITH OR WITHOUT GATES RIGHT ANGLE

FIGURE 3

BNSF RAILWAY SIGNAL DEPARTMENT CROSSING SIGNAL & LOCATION PLAN HIGHWAY-RAIL CROSSING WITH CURBS

A BASE STANDARD DRAWN TWW STALE, NONE STANDARD DATE 06/02/02 3 SMEET 3 PLAN DE DE0004.02 WILSON &COMPANY

DATE
DATE
DATE
DATE
DATE
DATE
DATE
DATE

CITY OF ALBUQUERQUE DEPARTMENT OF MUNICIPAL DEVELOPMENT ENGINEERING DIVISION

INDIAN SCHOOL & NMRX CROSSING IMPROVEMENTS CROSSING SIGNAL & LOCATION PLAN

Design Review Committee City Engineer Approval one Map No. 740486 7-2 H-14-Z

12 EA 10'-LONG TIMBER TIES W/ PANDROL PLATES & e CLIPS @ 19 1/2" SPACING

10'-LONG CONCRETE GRADE CROSSING TIE @ 24" SPACING

4-4" SCHEDULE 80

- ALL PANELS ARE 10' IN LENGTH

ကြောင်း

FIFED PANEL

52.5"

5/8" STEEL DEFLECTOR -