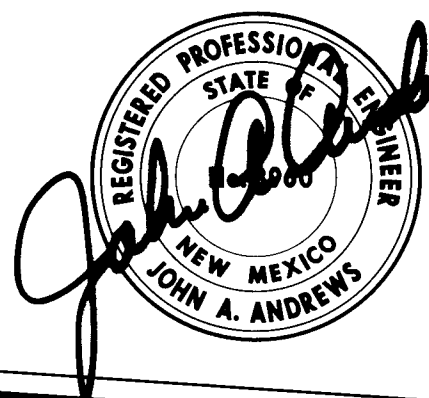




CITY OF ALBUQUERQUE
NEW MEXICO
TRANSPORTATION DEPARTMENT

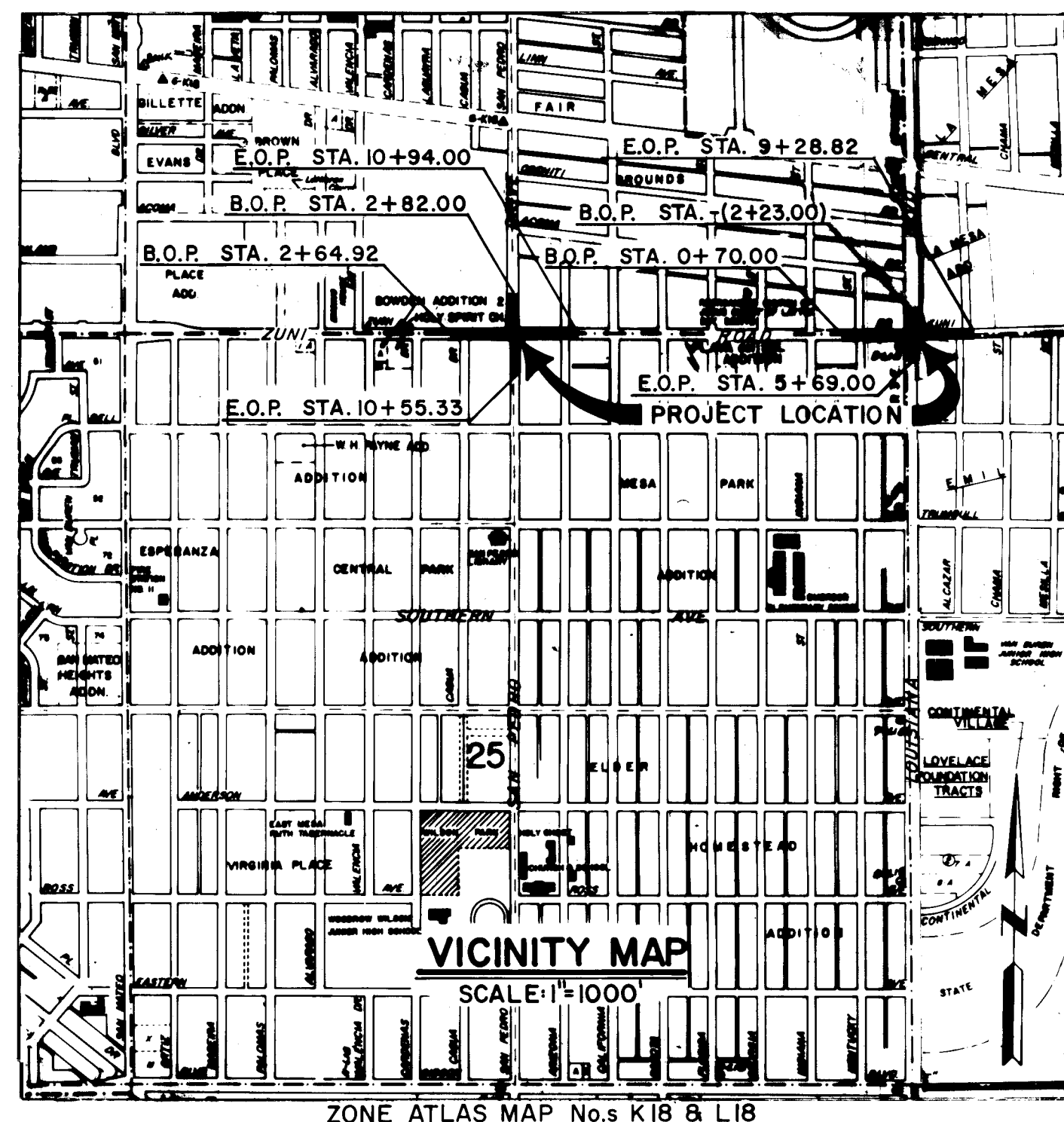
INTERSECTION RECONSTRUCTION
ZUNI ROAD & SAN PEDRO DRIVE
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-000S(20)

ANDREWS, ASBURY & ROBERT, INC.
CONSULTING ENGINEERS
ALBUQUERQUE NEW MEXICO



Russell B. Liden
1-21-87

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U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

Approved: *[Signature]* Date: 2/27/84
#2: Division Administrator

CITY OF ALBUQUERQUE

Approved: *[Signature]* Date: 2/27/84
City Engineer

NEW MEXICO STATE HIGHWAY DEPARTMENT

Approved: *[Signature]* Date: 3/27/84
Chief Highway Administrator
PE 5403

RECORD DRAWING

PROJECT 1671

ENGRS. FILE No. 82-292

SET No. _____

GENERAL NOTES

SURF. PIT NO. <i>Commercial, or any other approved source</i>			
REVISIONS OR CHANGE NOTICES			
NO.	DESCRIPTION	DATE	BY
1			
2			
3			
4			
5			

F.H.W.A. Region No.	STATE	N. M. P.	SHEET NO.	TOTAL SHEETS
6	NEW MEXICO			

- ALL SIMPLE CURVES ON THIS PROJECT ARE BASED ON THE DEFINITION: RADIUS OF A 1° CURVE = 5729.58'.
- FIFTY (50) TON ROLLER OPERATION SHALL NOT BE USED ON THIS PROJECT. THE REQUIRED COMPACTION SHALL BE EFFECTED BY MEANS OF OTHER TYPES OF ROLLING EQUIPMENT AVAILABLE.
- THE CONTRACTOR WILL BE REQUIRED TO CONFINED HIS WORK WITHIN THE TEMPORARY CONSTRUCTION PERMITS (TCPs) AND/OR ROW TO PRESERVE EXISTING VEGETATION AND PRIVATE PROPERTY. OVERNITE PARKING OF CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT DRIVEWAY OPENINGS. NO STRUCTURES OR VEGETATION NOT SPECIFICALLY DESIGNATED FOR REMOVAL SHALL BE REMOVED FROM THE TCPs OR DAMAGED (EXCEPT FOR MINOR TRIMMING OF VEGETATION) WITHOUT THE WRITTEN CONSENT OF THE ENGINEER, AND ALL DAMAGE SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE.
- ALL CONCRETE USED IN THE CONSTRUCTION OF THIS PROJECT SHALL BE CLASS "A".
- REINFORCING BARS SHALL BE GRADE 40. GRADE 60 MAY BE SUBSTITUTED FOR GRADE 40 ONLY UPON APPROVAL BY THE ENGINEER.
- DIMENSIONS OF STREETS AS SHOWN ON PLAN AND PROFILE SHEETS ARE TO FLOWLINE OF GUTTER.
- GRADE ELEVATIONS AS SHOWN ON THE PROFILE DENOTE THE FINISHED GRADE AT THE FLOWLINE OF THE CURB & GUTTER. THESE GRADES ARE SUBJECT TO REVISIONS DURING CONSTRUCTION UPON APPROVAL BY THE ENGINEER.
- ALL SPOT ELEVATIONS SHOWN ON THE PLAN PORTION OF THE PLAN AND PROFILE SHEETS ALONG THE CURB & GUTTER ALIGNMENT ARE FLOWLINE OF CURB & GUTTER UNLESS OTHERWISE SHOWN.
- EXCAVATIONS FOR STORM SEWER, WATERLINES AND OTHER EXCAVATIONS AS NECESSARY SHALL BE GOVERNED BY THE CONSTRUCTION SAFETY AND HEALTH STANDARDS (TITLE 29, CODE OF FEDERAL REGULATIONS, PART 1518-PUBLISHED IN THE FEDERAL REGISTER ON APRIL 17, 1971).
- QUANTITIES SHOWN FOR CONSTRUCTION ITEMS THAT ARE TO BE PAID FOR ON A LUMP SUM OR EACH BASIS ARE PROVIDED FOR THE CONTRACTOR'S INFORMATION ONLY.
- WHEN CONSTRUCTION UNDER THIS PROJECT CONNECTS TO EXISTING IMPROVEMENTS THE CONTRACTOR SHALL BUILD AN EASY-RIDING CONNECTION.
- MATERIAL FOR THE PRODUCTION OF SURFACING AGGREGATE FOR THIS PROJECT MAY BE OBTAINED FROM ANY SOURCE AFTER SUCH MATERIAL HAS BEEN APPROVED BY THE ENGINEER ON THE BASIS OF TESTS PERFORMED BY AN APPROVED TESTING LABORATORY. THIS MUST BE DONE BEFORE ANY MATERIAL IS PRODUCED FOR THIS PROJECT.
- NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, EDITION OF 1976, SHALL GOVERN CONSTRUCTION OF THIS PROJECT EXCEPT AS MODIFIED AND SUPPLEMENTED BY THE SPECIAL PROVISIONS, SUPPLEMENTAL SPECIFICATIONS, AND CONSTRUCTION PLANS. CONSTRUCTION PLANS SHALL GOVERN OVER THE CITY OF ALBUQUERQUE STANDARD DETAILS.

SPECIAL PROVISIONS

MODIFYING GENERAL PROVISION OF THE STANDARD SPECIFICATIONS FOR SUBMISSION OF WEEKLY PAYROLLS (10/8/80)
FOR APPRENTICES (1/5/70)
MODIFYING SECTION 101 - DEFINITIONS AND TERMS (7/28/83)
MODIFYING SECTION 102 - BIDDING REQUIREMENTS & CONDITIONS (9/30/83)
MODIFYING SECTION 102 - BIDDING REQUIREMENTS & CONDITIONS (9/30/83)
MODIFYING SECTION 106 - CONTROL OF MATERIALS (3/28/84)
MODIFYING SECTION 109 - MEASUREMENT & PAYMENT (2/28/83)
MODIFYING SECTION 206 - EXCAVATION & BACKFILL FOR CULVERTS & MINOR STRUCTURES (8/30/84)
MODIFYING SECTION 304 - BASE COURSE (8/30/84)
MODIFYING SECTION 308 - CEMENT TREATED BASE (8/30/84)
MODIFYING SECTION 401 - PLANT MIX BITUMINOUS PAVEMENT ASPHALT CONCRETE (8/30/84)
MODIFYING SECTION 402 - BITUMINOUS MATERIALS (8/20/84)
MODIFYING SECTION 404 - PLANT MIXED SEAL COAT (8/30/84)
MODIFYING SECTION 407 - TACK COAT (7/22/82)
MODIFYING SECTION 408 - PRIME COAT (8/30/84)
MODIFYING SECTION 451 - PORTLAND CEMENT CONCRETE PAVEMENT (6/2/80)
MODIFYING SECTION 501 - CULVERTS & STORM DRAINS (9/30/83)
MODIFYING SECTION 504 - STEEL REINFORCEMENT (8/30/84)
MODIFYING SECTION 609 - CURB & GUTTER (2/17/82)
FOR SECTION 660 - EXCAVATION, TRENCHING & BACKFILLING (9/30/83)
FOR SECTION 670 - VITRIFIED CLAY PIPE FOR SANITARY SEWERS (9/30/83)
FOR SECTION 671 - CAST IRON PIPE (STANDARD & DUCTILE) (9/30/83)
FOR SECTION 672 - PLASTIC PIPE (WATER/SEWER) (8/30/84)
FOR SECTION 680 - INSTALLATION OF STORM & SANITARY SEWER LINES (9/30/83)
FOR SECTION 681 - INSTALLATION OF WATER TRANSMISSION, DISTRIBUTION & SERVICE LINES (9/30/83)
FOR SECTION 682 - CONCRETE BLOCK MASONRY (9/30/83)
MODIFYING SECTION 701 - TRAFFIC SIGNS & SIGN STRUCTURES (5/22/84)
MODIFYING SECTION 702 - TRAFFIC CONTROL DEVICES FOR DETOURS (1/4/78)
FOR CHANNELIZATION DEVICES (BARRELS) ITEM 702050 (2/23/77)
MODIFYING SECTION 704 - PAVEMENT MARKINGS (2/17/81)
MODIFYING SECTION 870 - CONSTRUCTION STAKING (7/3/84)

SUPPLEMENTAL SPECIFICATIONS

MODIFYING SECTION 304 - BASE COURSE (7/12/77)
MODIFYING SECTION 501 - CONCRETE STRUCTURES (3/21/80)
MODIFYING SECTION 621 - MOBILIZATION (11/16/82)
MODIFYING SECTION 704 - PAVEMENT MARKINGS (12/20/83)

- THE CONTRACTOR SHALL PLACE NOTICE(S) OF CONSTRUCTION ACTIVITY IN AT LEAST TWO LOCAL DAILY NEWSPAPERS. THE NOTICES SHALL APPEAR AT LEAST ONCE AND NO LESS THAN THREE DAYS PRECEDING THE EXPECTED BEGINNING OF EACH APPROVED PHASE OF CONSTRUCTION AS INDICATED IN THE PLANS OR AS DIRECTED BY THE CITY TRAFFIC ENGINEER.

THE NOTICE SHALL INCLUDE, BUT NOT BE LIMITED TO: PROJECT LOCATION, PROJECT DESCRIPTION, USER DEPARTMENT, EXPECTED BEGINNING DATE OF THE SPECIFIC CONSTRUCTION PHASE, CONSTRUCTION TIME FOR THAT PHASE, AND CONSTRUCTION TIME FOR THE TOTAL CONTRACT. PLUS A MAP OR DIAGRAM INDICATING THE AREAS OF THE PROJECT UNDER CONSTRUCTION FOR THAT SPECIFIC PHASE, THE LANES OPEN TO TRAFFIC AND THE APPROVED DIRECTION OF TRAVEL, STREET NAMES, NORTH ARROW, DESIGNATED DETOURS, AND ANY SPECIAL TRAFFIC CONTROL CONDITIONS.

THE CONTRACTOR SHALL NOT COMMENCE WORK ON ANY PHASE OF CONSTRUCTION UNTIL ALL CONDITIONS OF THIS SECTION HAVE BEEN MET. THE COST FOR PLACING ALL SUCH NOTICES AND MAPS, WITH THE NEWS MEDIA, SHALL BE INCIDENTAL TO THE CONTRACT AND SHALL BE INCLUDED IN THE CONTRACT PRICE.

- CONCRETE STRUCTURES REMOVED FOR USE AS RIPRAP SHALL CONSIST OF BROKEN PORTLAND CEMENT CONCRETE STRUCTURES, PORTLAND CEMENT CURB, CURB & GUTTER, SIDEWALK, CONCRETE PAVEMENT, EXISTING RIPRAP STRUCTURES, CONCRETE MASONRY UNITS OR OTHER SOUND STONES APPROVED BY THE ENGINEER. MATERIAL SHALL BE REDUCED IN SIZE TO NO GREATER THAN TWO (2) FEET IN ANY DIRECTION PRIOR TO BEING REMOVED FROM THE REMOVAL SITE AND SHALL BE FREE OF PROTRUDING REINFORCING STEEL. ANY MATERIAL WITH STEEL PROTRUDING SHALL HAVE THE STEEL REMOVED BY CUTTING WHERE IT INTERSECTS THE STONE. MATERIAL SHALL BE FREE FROM ORGANIC OR ANY OTHER DELETERIOUS MATERIAL AND SHALL NOT BE INTERMIXED WITH ASPHALT CONCRETE MATERIAL. RIPRAP SHALL BE DELIVERED TO CITY OF ALBUQUERQUE SITE D, OR E WITHIN THE CITY OF ALBUQUERQUE. NO SEPARATE PAYMENT WILL BE MADE FOR THE DELIVERY OF RIPRAP TO THE DESIGNATED STORAGE SITES, BUT COSTS WILL BE CONSIDERED INCIDENTAL TO THE REMOVAL OF THE ITEM OF WHICH IT IS A PART. THE CONTRACTOR SHALL OBTAIN A DISPOSAL SITE FOR ALL OTHER MATERIALS REMOVED FROM THE PROJECT LOCATION AND ALL COSTS INCURRED IN OBTAINING A DISPOSAL SITE & HAUL THERETO WILL BE CONSIDERED INCIDENTAL TO THE BID ITEM TO WHICH THE WORK APPLIES.

RIPRAP STORAGE AREA SITES:

SITE	ZONE	ATLAS	LOCATION
D	F-19		SOUTH SIDE OF BEAR CANYON ARROYO WEST OF CITY NURSERY. TAKE DIRT ROAD EAST FROM PENNSYLVANIA STREET AND OSUNA ROAD.
E	J-23		LOMAS BOULEVARD BETWEEN MICHAEL HUGHES AND CONNOR COURT: EAST SIDE OF LOMAS, NORTH END OF LOMAS DESILTING BASIN.

- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL OR ANY BORROW MATERIALS. ALL BORROW MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO INCORPORATING ANY MATERIAL FROM SUCH AREAS IN THE PROJECT. NO SEPARATE PAYMENT WILL BE MADE FOR THE BORROW MATERIALS. ANY BORROWING AND/OR HAULING OF MATERIALS REQUIRED SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THE PROJECT.
- ALL CLEARING AND GRUBBING NECESSARY SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION OF THIS PROJECT AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
- ANY REMOVAL OF MINOR UNDERGROUND STRUCTURES, PIPE, SERVICE LINES, ETC. REQUIRED OR NECESSITATED BY THESE PLANS TO BE ABLE TO CONSTRUCT THIS PROJECT SHALL BE CONSIDERED INCIDENTAL TO THE WORK AND NO DIRECT PAYMENT WILL BE MADE THEREFOR. ANY SUCH REMOVALS OF PRIVATE UTILITIES WILL BE PROPERLY COORDINATED WITH THE UTILITY OWNER PRIOR TO ANY REMOVAL WORK.
- PAYMENT MADE FOR REMOVAL OF STRUCTURES AND OBSTRUCTIONS UNDER ITEM 202001 SHALL INCLUDE THE REMOVAL OF ALL ITEMS NOT PAID FOR SEPARATELY UNDER OTHER BID ITEMS.
- REMOVAL AND DISPOSAL OF ASPHALT PAVEMENT, CONCRETE VALLEY GUTTERS AND CONCRETE CURB & GUTTER WILL BE MEASURED AND PAID FOR ON A UNIT BASIS UNDER THE APPLICABLE BID ITEM OF THE BID PROPOSAL. MEASUREMENTS IN THE FIELD OF ALL ITEMS. OF REMOVAL TO BE PAID ON A UNIT BASIS SHALL BE MADE PRIOR TO BEGINNING REMOVAL OPERATIONS. IF CONTRACTOR ELECTS TO REMOVE SUCH ITEMS OF WORK BEFORE MEASUREMENTS ARE MADE, NO PAYMENT WILL BE MADE.
- WHERE REMOVAL OF EXISTING CURB & GUTTER OR SIDEWALK IS REQUIRED, REMOVE BACK TO THE NEAREST SUITABLE JOINT. WHEN SHOWN ON THE DRAWINGS OR DIRECTED BY THE ENGINEER, EXISTING SIDEWALKS AND CONCRETE DRIVEWAYS AND ASPHALTIC DRIVEWAYS SHALL BE SAWED IN A NEAT LINE TO MATCH NEW CONSTRUCTION. ANY SAW CUTTING WORK REQUIRED FOR REMOVALS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM TO WHICH THE WORK APPLIES AND NO SEPARATE OR DIRECT PAYMENT WILL BE MADE.
- CURB & GUTTER SHOWN AS EXISTING AND NOT TO BE REPLACED UNDER THIS CONTRACT WHICH IS DAMAGED OR DISPLACED BY THE CONTRACTOR SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT HIS EXPENSE.
- ALL TIES TO EXISTING PAVEMENT ON CROSS-STREETS, CUL-DE-SACS, AND CONNECTIONS SHALL BE A NEAT LINE CUT JOINT. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION AND NO DIRECT PAYMENT WILL BE MADE THEREFOR.
- WHEN ABUTTING NEW PAVEMENT TO EXISTING LONGITUDINALLY, CUT BACK EXISTING PAVEMENT TO A NEAT STRAIGHT LINE AS REQUIRED TO REMOVE ANY BROKEN OR CRACKED PAVEMENT AND MATCH NEW TO EXISTING. NO SEPARATE PAYMENT WILL BE MADE FOR THE CUTTING OF EXISTING PAVEMENT BUT SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM TO WHICH THE WORK APPLIES.
- WHEN ABUTTING NEW PAVEMENT TO EDGES OF EXISTING PAVEMENT, TACK COAT SHALL BE APPLIED TO EDGES OF EXISTING PAVEMENT PRIOR TO BEGINNING OF NEW PAVEMENT OPERATIONS.
- ALL PAVEMENT REMOVAL AND REPLACEMENT OPERATIONS ON A PARTICULAR STREET SHALL BE COMPLETED PRIOR TO PLACEMENT OF SEAL COAT OR SURFACE COURSE.
- PRIOR TO BEGINNING SEAL COAT OPERATIONS, ALL SURFACES ON WHICH OVERLAY IS TO BE PLACED SHALL BE SWEEP CLEAN AND ALL FOREIGN MATERIAL REMOVED FROM THE PAVEMENT SURFACE. PMSC SHALL NOT BE PLACED WHEN IT IS DETERMINED BY THE ENGINEER THAT WEATHER CONDITIONS ARE UNFAVORABLE FOR OBTAINING SATISFACTORY RESULTS.
- ALL EXISTING UTILITIES SHOWN WERE TAKEN FROM RECORD DRAWINGS AND ARE LOCATED AS ACCURATELY AS POSSIBLE FROM INFORMATION AVAILABLE. IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT, MAINTAIN IN SERVICE, AND AT POINT REQUIRED, VERIFY EXACT LOCATION OF THESE UTILITIES DURING CONSTRUCTION OPERATIONS OF THIS PROJECT. TWO DAYS PRIOR TO STARTING ANY EXCAVATION THE CONTRACTOR SHALL CONTACT LINE LOCATING SERVICE, 765-1234 FOR THE LOCATION OF EXISTING UTILITIES.
- PRIOR TO COMMENCING WORK IN A SPECIFIC AREA, THE CONTRACTOR WILL BE REQUIRED TO EXPOSE EXISTING UTILITY LINES AT LOCATIONS AS NECESSARY OR AT LOCATIONS REQUIRED BY THE ENGINEER WHERE IT IS ANTICIPATED THAT POSSIBLE CONFLICTS WITH NEW STREET GRADES OR SEWER LINES MAY OCCUR. SUCH WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONSTRUCTION AND NO SEPARATE PAYMENT WILL BE MADE THEREFOR.
- THE CONTRACTOR SHALL NEVER UNNECESSARILY INTERFERE WITH OR INTERRUPT THE SERVICES OF ANY PUBLIC UTILITY HAVING PROPERTY WITHIN OR ADJACENT TO THE CONSTRUCTION AREA. HE SHALL GIVE ALL PUBLIC UTILITY COMPANIES A REASONABLE NOTICE IN WRITING, IN NO EVENT LESS THAN 48 HOURS, FOR ANY WORK THAT HE CONTEMPLATES WOULD INTERFERE IN ANY WAY WHATSOEVER WITH THE SERVICE OF ANY EXISTING PUBLIC UTILITY & CITY-OWNED FACILITIES.

- THE CONTRACTOR SHALL COORDINATE ANY WORK REQUIRED BY OTHERS IN THE CONSTRUCTION AREA WITH THE CONSTRUCTION OF THIS PROJECT.
- ALL UTILITY POLES AND STREET LIGHTS REQUIRED TO BE RELOCATED TO CONSTRUCT THE IMPROVEMENTS PROPOSED ARE TO BE RELOCATED BY OTHERS.
- ADJUSTMENT TO GRADE OF EXISTING WATER VALVE BOXES REQUIRING REGRADING IN THE CONSTRUCTION AREA WILL BE PAID FOR UNDER ITEM 681008. ANY ADJUSTMENT TO GRADE OF NEW WATER VALVE BOXES FURNISHED AND INSTALLED UNDER THIS CONTRACT WILL NOT BE PAID FOR UNDER ITEM 681008 BUT SHALL BE CONSIDERED INCIDENTAL TO ITEM 681001.
- ADJUSTMENT TO GRADE OF EXISTING MANHOLE FRAMES AND COVERS REQUIRING REGRADING IN THE CONSTRUCTION AREA WILL BE PAID FOR UNDER ITEM 680010. ANY ADJUSTMENT TO GRADE OF NEW FRAMES AND COVERS FOR MANHOLES AND JUNCTION BOXES CONSTRUCTED UNDER THIS CONTRACT WILL NOT BE PAID FOR UNDER ITEM 680010 BUT SHALL BE CONSIDERED INCIDENTAL TO CONSTRUCTION OF THE MANHOLE OR JUNCTION BOX.
- MEASUREMENT FOR PAYMENT OF VALLEY GUTTER SHALL INCLUDE CURB RETURN FILLETS AND SHALL BE MADE PER SQUARE FOOT OF HORIZONTAL SURFACE AREA. PAYMENT PER SQUARE FOOT SHALL INCLUDE STEEL REINFORCEMENT.
- PAYMENT FOR ALL DRIVEPADS AND OTHER CONCRETE REPLACEMENT 6" THICK SHALL BE PAID FOR UNDER THE BID ITEM - DRIVEPAD - 6".
- DRIVEPADS IN ADDITION TO THOSE SHOWN ON THE DRAWINGS MAY BE REQUIRED TO BE CONSTRUCTED. ALL ADDITIONAL DRIVEPADS SHALL BE LOCATED IN THE FIELD AS APPROVED BY THE ENGINEER AND PAYMENT MADE UNDER APPROPRIATE BID ITEMS.
- BED COURSE MATERIAL UNDER SIDEWALKS, DRIVEPADS, AND CONCRETE MEDIAN PAVEMENT SHALL BE COMPACTED FOR NMHD STANDARD SPECIFICATIONS SECTION 608. NO PAYMENT WILL BE MADE FOR COMPACTING OF THIS BED COURSE MATERIAL BUT SHALL BE CONSIDERED INCIDENTAL TO THE ITEM TO WHICH THE WORK PERTAINS.
- PAYMENT FOR 6" SUBGRADE PREPARATION UNDER CURB & GUTTER, CURB RETURN FILLETS AND VALLEY GUTTER SHALL BE INCLUDED UNDER THE BID ITEM TO WHICH THE SUBGRADE PREPARATION PERTAINS. MEASUREMENT FOR PAYMENT OF SUBGRADE PREPARATION UNDER BID ITEM NO 207001 WILL BE MADE ONLY BASED ON THE SUBGRADE PREPARED UNDER THE ROADWAY PAVEMENT STRUCTURES IN BETWEEN THE ADJACENT CURB & GUTTERS, VALLEY GUTTERS, AND CURB RETURN FILLETS (LIP TO LIP).
- 6" SUBGRADE PREPARATION COMPACTED PER NMHD STANDARD SPECIFICATIONS SECTION 207 SHALL BE PROVIDED UNDER ALL CURB & GUTTER, CURB RETURN FILLETS, AND VALLEY GUTTERS.
- ALL PERMANENT SURVEY MONUMENTS THAT ARE UNDER THE JURISDICTION AND RESPONSIBILITY OF THE CITY OF ALBUQUERQUE'S ENGINEERING DIVISION SURVEY SECTION (PHONE NO. 765-5040) ARE SHOWN ON THE CONSTRUCTION PLANS. CONTRACTOR SHALL NOTIFY CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF THESE SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF CITY SURVEYOR AND SHALL NOTIFY CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT OF SUCH AFOREMENTIONED MONUMENTS 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 ONE OF SAID PERMANENT SURVEY MONUMENTS IS LOCATED, CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROPERLY REFERENCING ALL OTHER TRIANGULATION STATIONS, BENCH MARKS, MONUMENTS, LAND GRANT MARKERS, SECTION CORNERS, OR PERMANENT REFERENCE MARKERS THAT MAY BE DESTROYED DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR, AT HIS EXPENSE, SHALL REFERENCE AND RESET DESTROYED MONUMENTS ACCORDING TO GOVERNMENT REGULATIONS AND STATE LAW. COPIES OF SURVEYORS NOTES TAKEN DURING THE ABOVE PROCEDURES SHALL BE SUBMITTED TO THE ENGINEER SO THAT HE MAY FORWARD THEM TO THE MONUMENTATION SECTION, (NMHD).
- IF CONTRACTOR'S SCHEDULING RESULTS IN ANY AREA BEING REOPENED TO TRAFFIC PRIOR TO PLACEMENT OF PERMANENT SURFACING, SAID AREA SHALL RECEIVE A TEMPORARY 1½" PLANT MIX BITUMINOUS PAVEMENT-ASPHALT CONCRETE SURFACE. THIS SURFACE SHALL BE MAINTAINED BY THE CONTRACTOR UNTIL PERMANENT SURFACING IS PLACED. NO EXTRA PAYMENT WILL BE MADE FOR TEMPORARY SURFACING.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO BUSINESSES AND RESIDENCES ADJACENT TO THE CONSTRUCTION AREA.

MATERIALS NOTES

- HYDRATED LIME MAY BE REQUIRED TO MEET DESIGN REQUIREMENTS FOR PLANT MIX BITUMINOUS PAVEMENT. LIME IF REQUIRED BY THE CENTRAL LAB AT THE TIME OF CONSTRUCTION, IS TO BE ADDED BY A CONTROLLED PROCESS IN ACCORDANCE WITH SPECIFICATIONS.
- THE LIQUID LIMIT AND SANDEQUIVALENT OF THE ASPHALT CONCRETE AGGREGATE WILL BE DETERMINED FROM REPRESENTATIVE SAMPLES TAKEN AFTER THE AGGREGATE MATERIALS HAVE BEEN BLENDED AND PRIOR TO MIXING WITH BITUMINOUS MATERIAL.
- NATURAL FINES PASSING THE NO. 4 SCREEN ARE TO BE PRE-WASTED DURING PMBP PRODUCTION AND PLACED IN A SEPARATE STOCKPILE. CRUSHED COARSE AND FINE AGGREGATES PRODUCED FOR PMBP ARE TO BE STOCKPILED SEPARATELY.
- HYDRATED LIME SHALL BE UTILIZED AT THE RATE OF ONE PERCENT (1%) OF THE MIX FOR PLANT MIXED SEAL COAT. LIME SHALL BE ADDED BY A CONTROLLED PROCESS IN ACCORDANCE WITH THE SPECIFICATIONS.

THE MATERIAL PIT DATA INDICATED HEREON IS FOR INFORMATION PURPOSES ONLY. THE CONTRACTOR SHALL DETERMINE THE ACCURACY OF THE INFORMATION AND THE REQUIREMENTS NECESSARY TO PRODUCE SPECIFICATION MATERIALS. EXCLUSIVE RIGHTS TO PIT NO. Commercial ARE NOT GRANTED TO THE CONTRACTOR UNDER THIS CONTRACT AND THE STATE MAY ASSIGN PORTIONS OF THE PIT TO OTHER PROJECTS FOR THE PRODUCTION OF AGGREGATES. THE CONTRACTOR SHALL CONFINED HIS OPERATIONS TO THE MINIMUM AREA, DESIGNATED BY THE ENGINEER, NECESSARY TO PRODUCE THE AGGREGATE FOR THIS PROJECT.

REQUIREMENTS FOR TREATED & UNTREATED SURFACING

ADDITIVES REQUIRED:		SEALING ASPHALT	%	CONCENTRATE	GRADE	HEAT	STABLE
ESTIMATE FOR PRIME COAT: USE				GALLONS			PER SQUARE YARD
ESTIMATE FOR TACK COAT: USE		0.02 to 0.15		GALLONS	See Section 407		PER SQUARE YARD
ASPHALT RECOMM.	PLANT MIX BITUM. PAVEMENT	5.5	%	85-100 or AC-10(mod)	BY WGT. OF TOTAL MIX		
		P MIX BITUM. BINDER COURSE	%		BY WGT. OF TOTAL MIX		
		P M. BITUM. TREATED BASE COURSE	%		BY WGT. OF TOTAL MIX		
		PLANT MIXED SEAL COAT	6.8	%	AC-10(mod) or 85-100	BY WGT. OF TOTAL MIX	

SURFACE TREATMENT:

1ST. COURSE	GALS.	SQ. YARD	LBS. OF AGGREGATE	PER SQUARE YARD
2ND. COURSE	GALS.	SQ. YARD	LBS. OF AGGREGATE	PER SQUARE YARD

SPECIFICATIONS FOR SURFACING AGGREGATES (% PASSING)

SIEVE SIZE	Base Course Class I	Plant Mix Bit. Pav. Type I-B	Plant Mix Bit. Pav. Type I-C	Plant Mixed Seal Coat
1 1/2"				
3/4"	100	100		
3/8"				
1/2"		80-100	100	100
3/8"		70-90	70-100	90-100
NO. 4	30-60	50-65	45-70	25-55
NO. 10	20-45	32-45	30-70	0-10
NO. 40		10-22	15-25	0-8
NO. 80				
NO. 200	3-10	3-8	4-10	0-4
L.L.	25 or Less	SNP	SNP	
P.I.				
WEAR	50 or Less	40 or Less	40 or Less	40 or Less
S.L. %	18 or Less	15 or Less	15 or Less	12 or Less
F.F. %	50 or More	75 or More	75 or More	75 or More

UNIT WEIGHT OF UNTREATED SURFACING	=	3925	LBS. PER CUBIC YARD
UNIT WEIGHT OF PLANT MIX BITUM. PAVEMENT	=	3950	LBS. PER CUBIC YARD
UNIT WEIGHT OF PLANT MIX BITUM. TREAT. BASE COURSE	=		LBS. PER CUBIC YARD
UNIT WEIGHT OF	=		LBS. PER CUBIC YARD
UNIT WEIGHT OF PLANT MIXED SEAL COAT	=	3650	LBS. PER CUBIC YARD

DEVELOPMENT RECOMMENDATIONS FOR THE PRODUCTION OF SURFACING MATERIALS BASED ON:

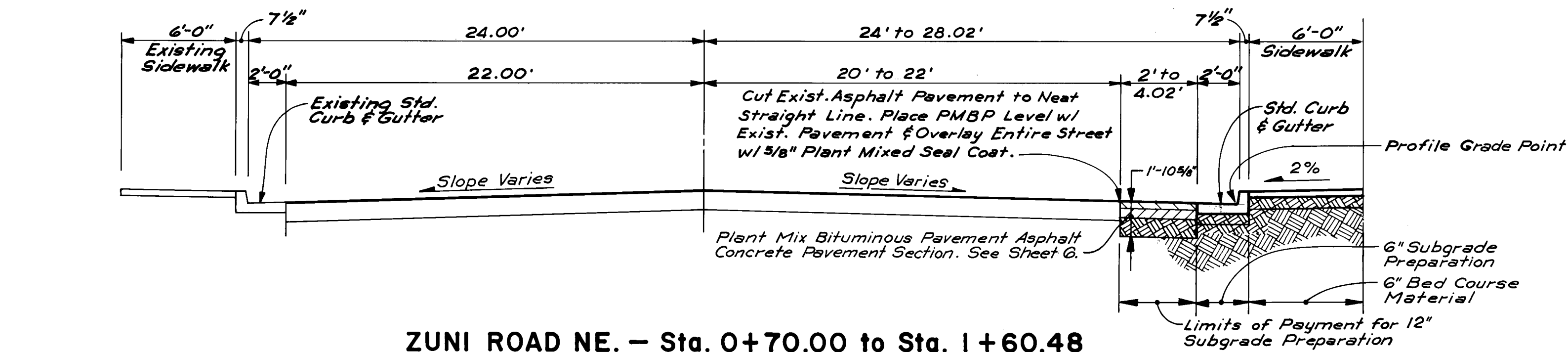
- SAMPLES AND LOGS FROM THE INDICATED TEST HOLES.
- STRIPPING OVERBURDEN TO THE DEPTHS RECOMMENDED.
- WORKING A VERTICAL FACE, EXPOSING THE APPROVED PRODUCTION DEPTH IN ONE LIFT AFTER STRIPPING AS RECOMMENDED.

CONCRETE AGGREGATES MAY BE OBTAINED FROM APPROVED COMMERCIAL SOURCES OR FROM ANY OTHER SOURCE WHEN TESTED AND APPROVED BY THE CENTRAL LABORATORY.

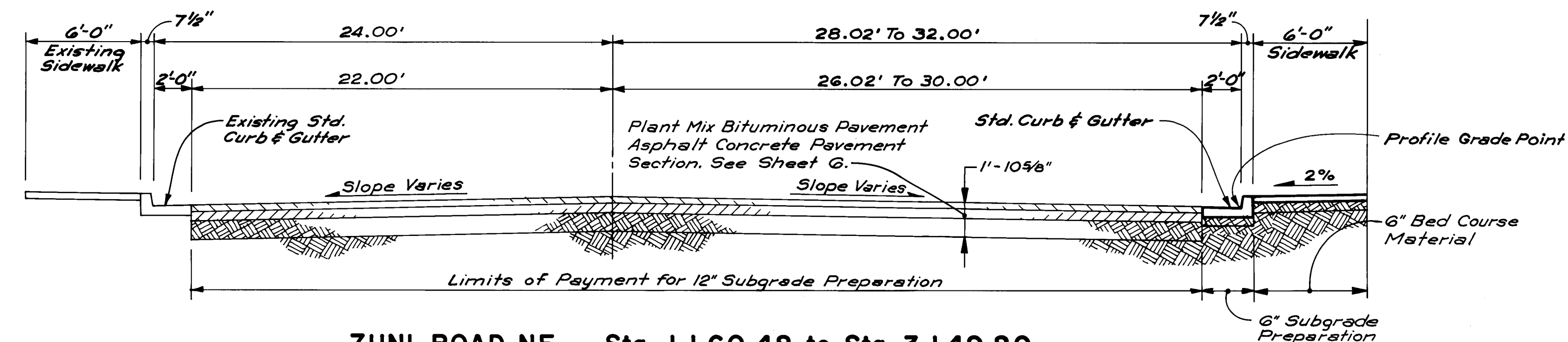
MIXING WATER FOR PORTLAND CEMENT CONCRETE, CEMENT TREATED BASE COURSE, ETC. MAY BE OBTAINED FROM ANY SOURCE WHEN TESTED AND APPROVED BY THE CENTRAL LABORATORY.

1 2 3 4 5 6 7 8 9 10 11 12
26 1-671-0287
RECORD DRAWING

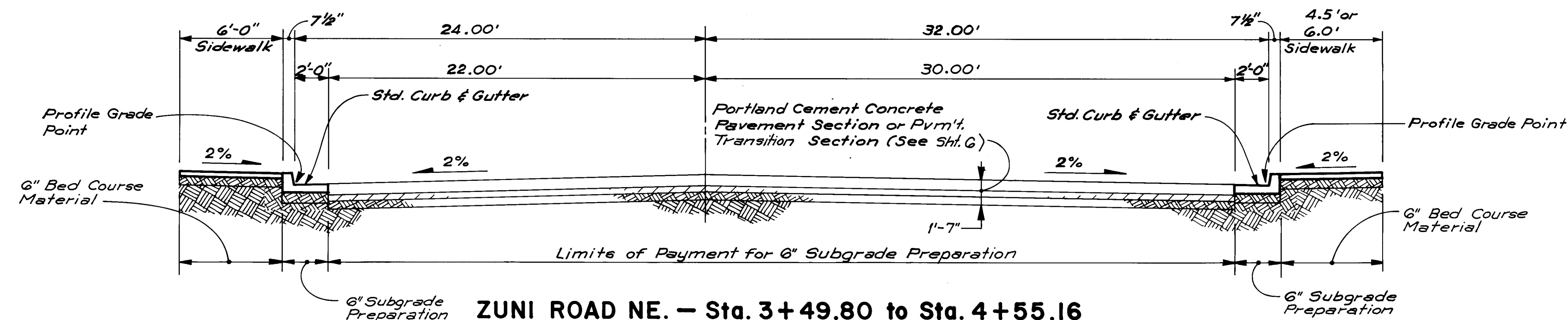
CITY OF ALBUQUERQUE					
TRANSPORTATION DEPARTMENT					
INTERSECTION RECONSTRUCTION					
ZUNI ROAD & SAN PEDRO DRIVE					
NEW MEXICO PROJECT HES-0005 (20)					
TYPICAL PAVEMENT SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Joe Little</i>		Liquid Waste	M/L RGF	7/26/84
A.C.E. - Design	<i>Joe Little</i>	7/26/84	Traffic	<i>David W. Hannon</i>	7/26/84
A.C.E. - Hydrology	<i>Joe Little</i>	7/26/84	Water	M/L RGF	7/26/84
DRAWING NO.	1671		MAP NO. K-18-Z, L-8-Z K-19-Z, L-9-Z	SHEET	OF 3 67



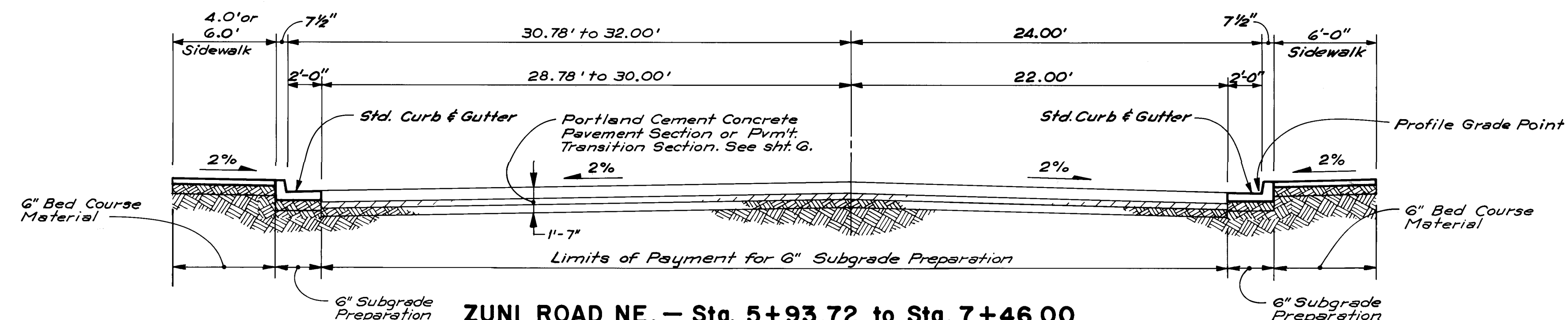
ZUNI ROAD NE. — Sta. 0+70.00 to Sta. 1+60.48



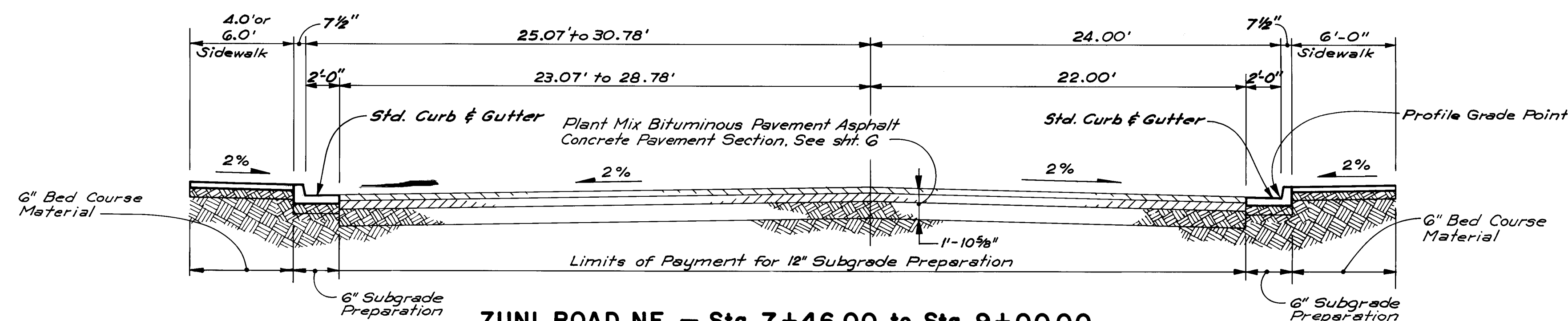
ZUNI ROAD NE. — Sta. 1+60.48 to Sta. 3+49.80



ZUNI ROAD NE. — Sta. 3+49.80 to Sta. 4+55.16



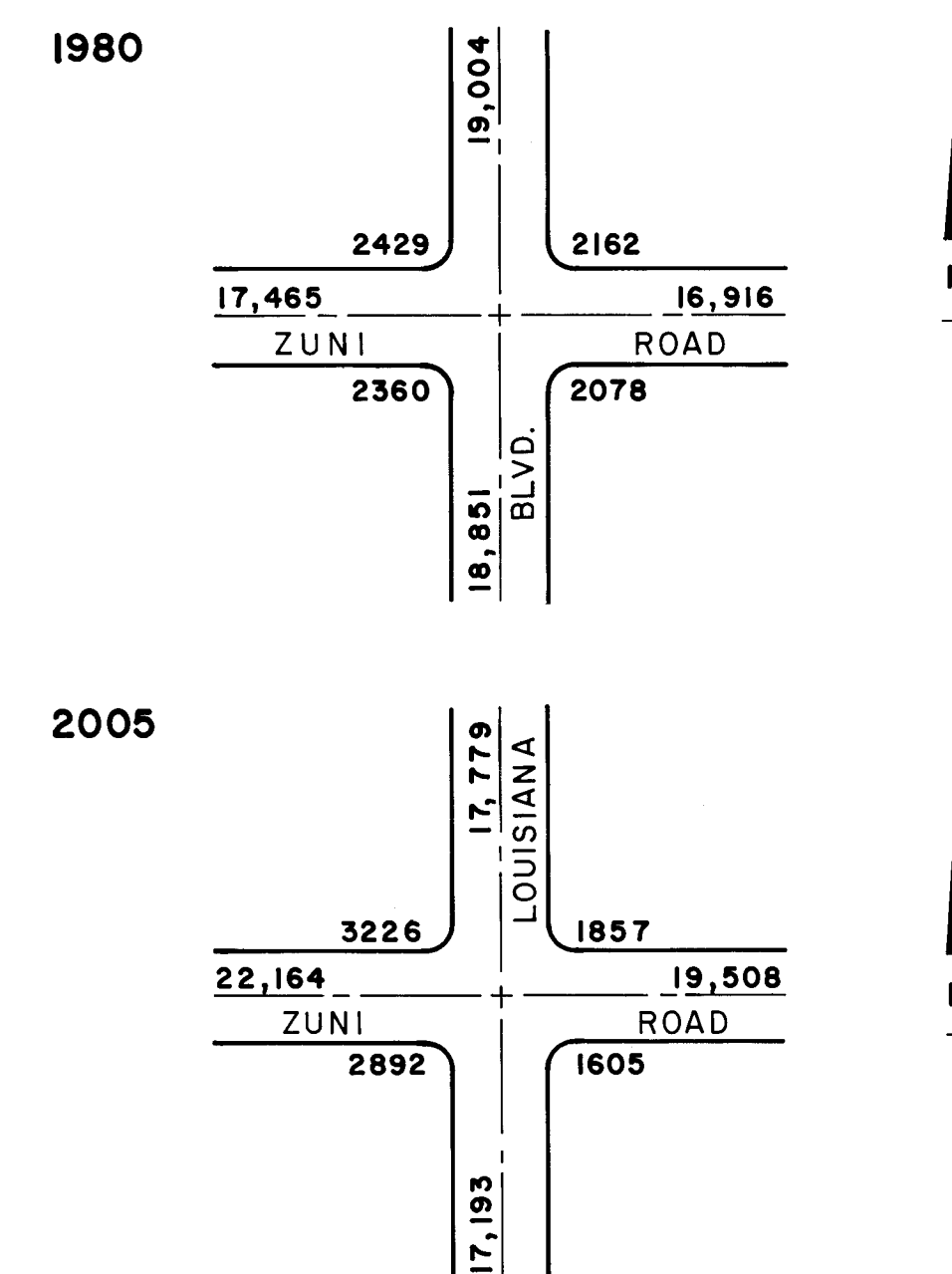
ZUNI ROAD NE. — Sta. 5+93.72 to Sta. 7+46.00



ZUNI ROAD NE. — Sta. 7+46.00 to Sta. 9+00.00

TRAFFIC & DESIGN DATA
ZUNI ROAD / LOUISIANA BLVD.

DESIGN SPEED	35 M.P.H.
1985 ADT } WEST LEG	18,405
2005 ADT }	22,164
DH V	1773
% HEAVY COMMERCIAL	4.0
AD L	196 (Flex.)
AD L	231 (Rigid)

[illegible]

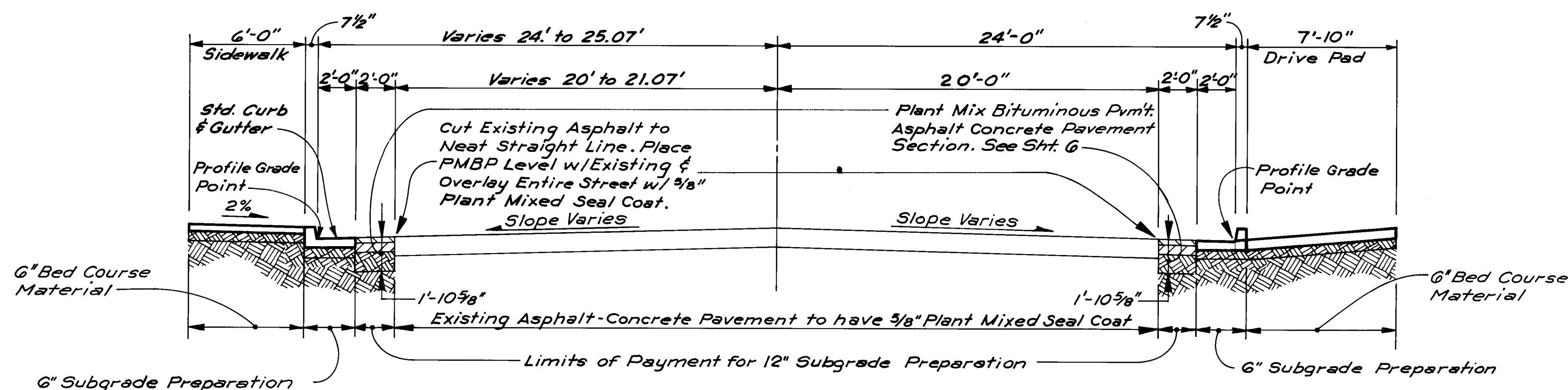
26 16710487
RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

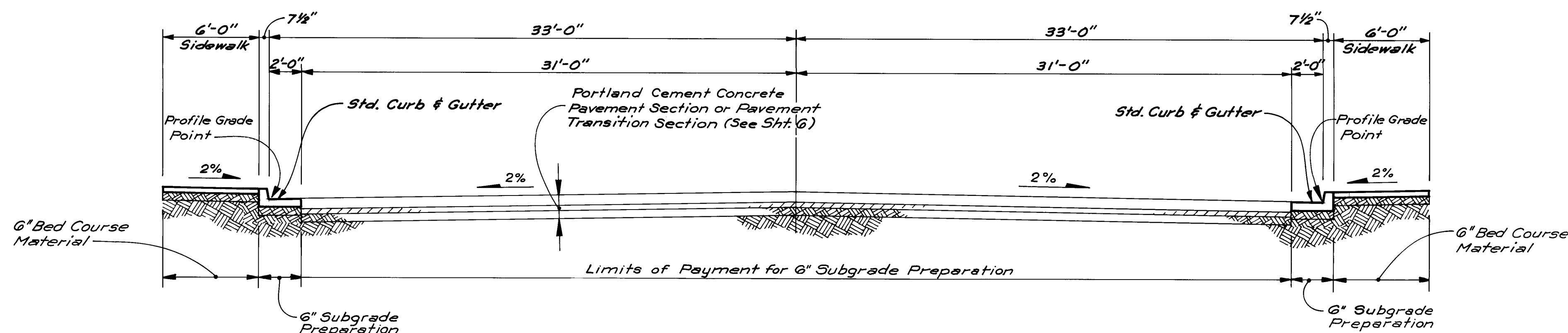
INTERSECTION RECONSTRUCTION
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-000S(20)
TYPICAL PAVEMENT SECTIONS

PHYSICAL PAVEMENT SECTIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Title Sheet</i>		Liquid Waste	N/A RGF	9/26
A C E - Design	<i>YLL/Kan</i>	9/26/05	Traffic	<i>David W. Hammer</i>	9/26/05
A C E - Hydrology	<i>Kan</i>	9/26/05	Water	N/A RGF	9/26/05

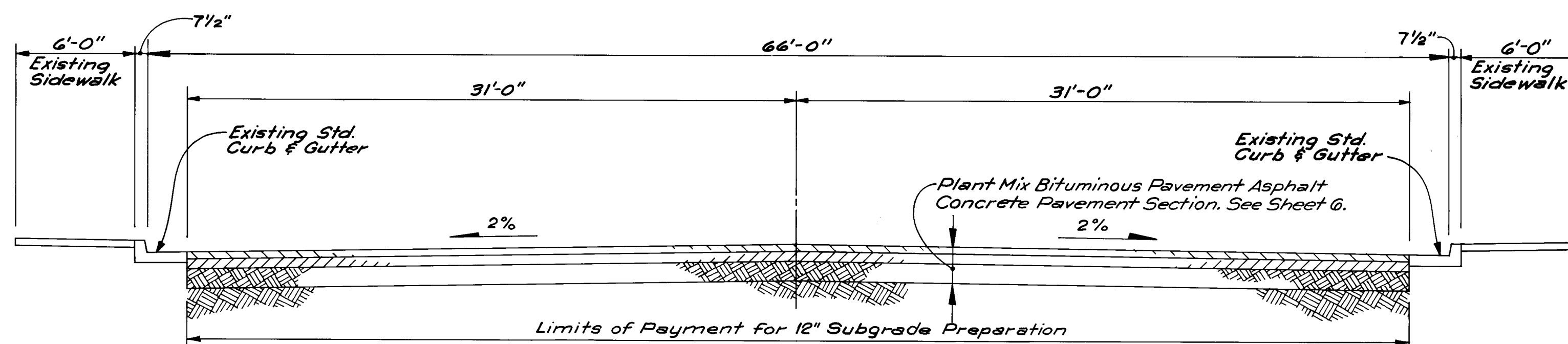
DRAWING NO.	1671	MAP NO. K-18-Z, L-18-Z K-19-Z, L-19-Z	SHEET 4 OF 67
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ZUNI ROAD NE.— Sta. 9+00.00 to Sta. 9+28.84



LOUISIANA BLVD. NE. — Sta. 0+76.00 to Sta. 1+61.01
and Sta. 2+83.79 to Sta. 4+27.28



LOUISIANA BLVD. NE. — Sta. 0+56.00 to Sta. 0+76.00
and Sta. 4+27.28 to Sta. 4+47.28

		ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
				FIELD NOTES					
				BY		DATE			
NO.	DATE	REMARKS	BY						
REVISIONS									
DESIGN									
DESIGNED BY	JM	DATE							
DRAWN BY		DATE							
CHECKED BY	LA	DATE							
									
				ANDRIUS, ANDRIUS & DORSET, INC. CONSULTING ENGINEERS					
				CONTRACTOR <i>J.H. Ryan & Son Inc.</i> WORK STORED BY <i>Contractor</i> DATE ACCEPTANCE BY DATE FIELD VERIFICATION BY <i>NMSHD</i> DATE <i>9-86</i> DRAWINGS CORRECTED BY <i>AA&D</i> DATE <i>9-86</i> MICRO-FILM INFORMATION RECORDED BY DATE NO					

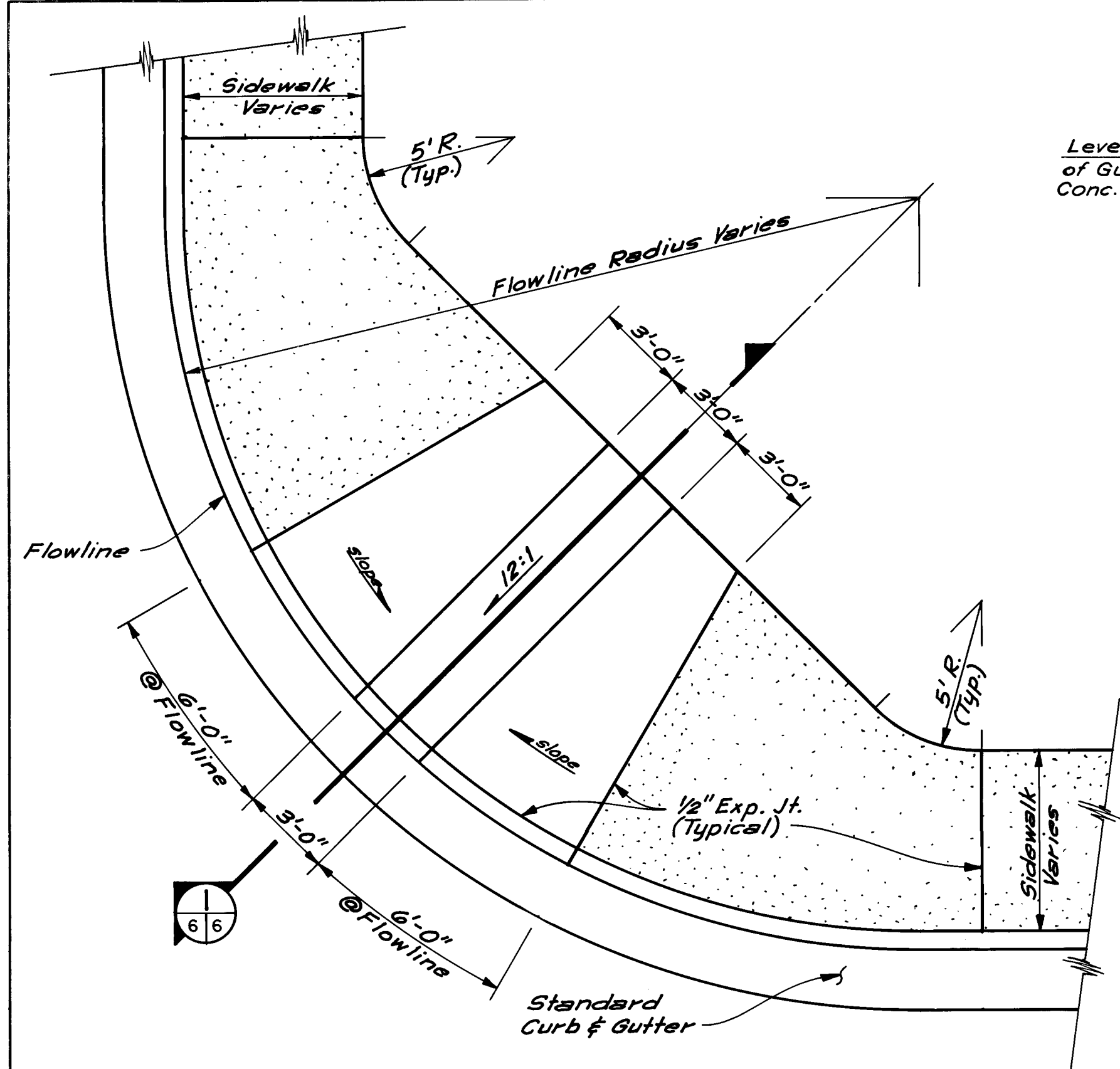
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RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

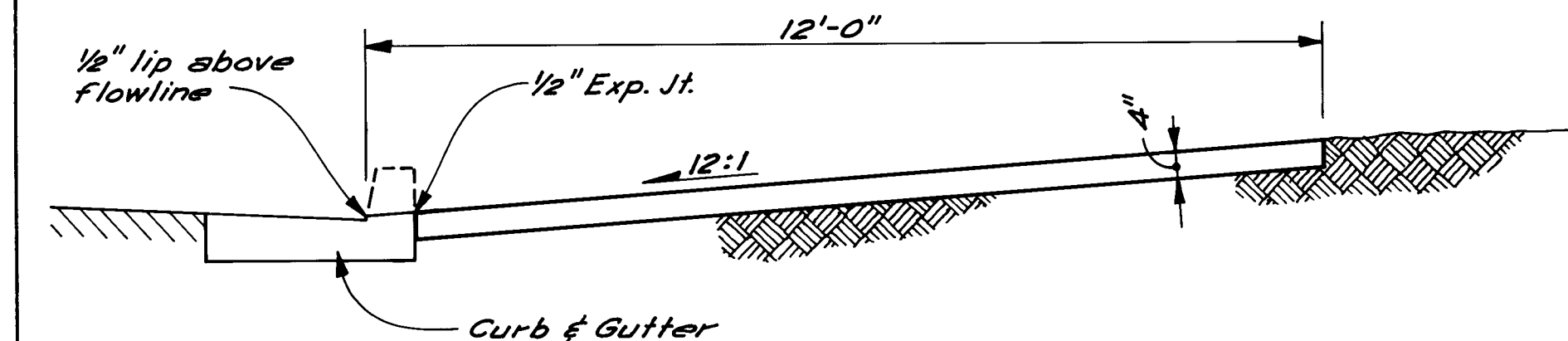
INTERSECTION RECONSTRUCTION
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-000S(20)
TYPICAL PAVEMENT SECTIONS

FUTURE PAYMENT SCHEDULE					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Title Sheet</i>		Liquid Waste	N/A RGSF	9/26/84
A C E - Design	<i>See Title</i>	9/26/84	Traffic	<i>David W. Hansen</i>	9/26/84
A C E - Hydrology	<i>See Title</i>	9/26/84	Water	N/A RGSF	9/26/84

DRAWING NO.	1671	MAP NO. K-18-Z, L-18-Z K-19-Z, L-19-Z	SHEET 5 OF 67
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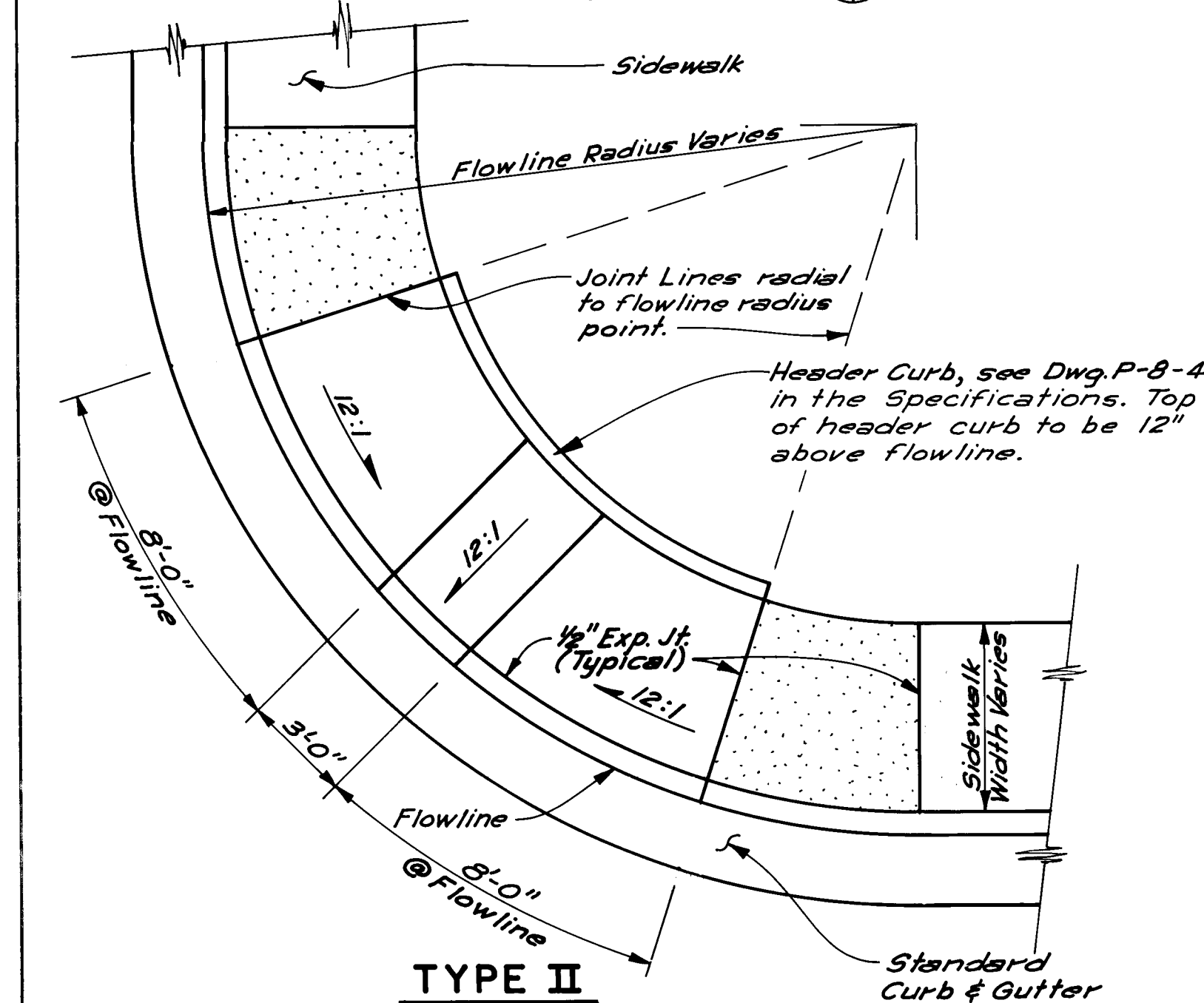
TYPE I
WHEEL CHAIR RAMP
SCALE: 1/4" = 1'-0"



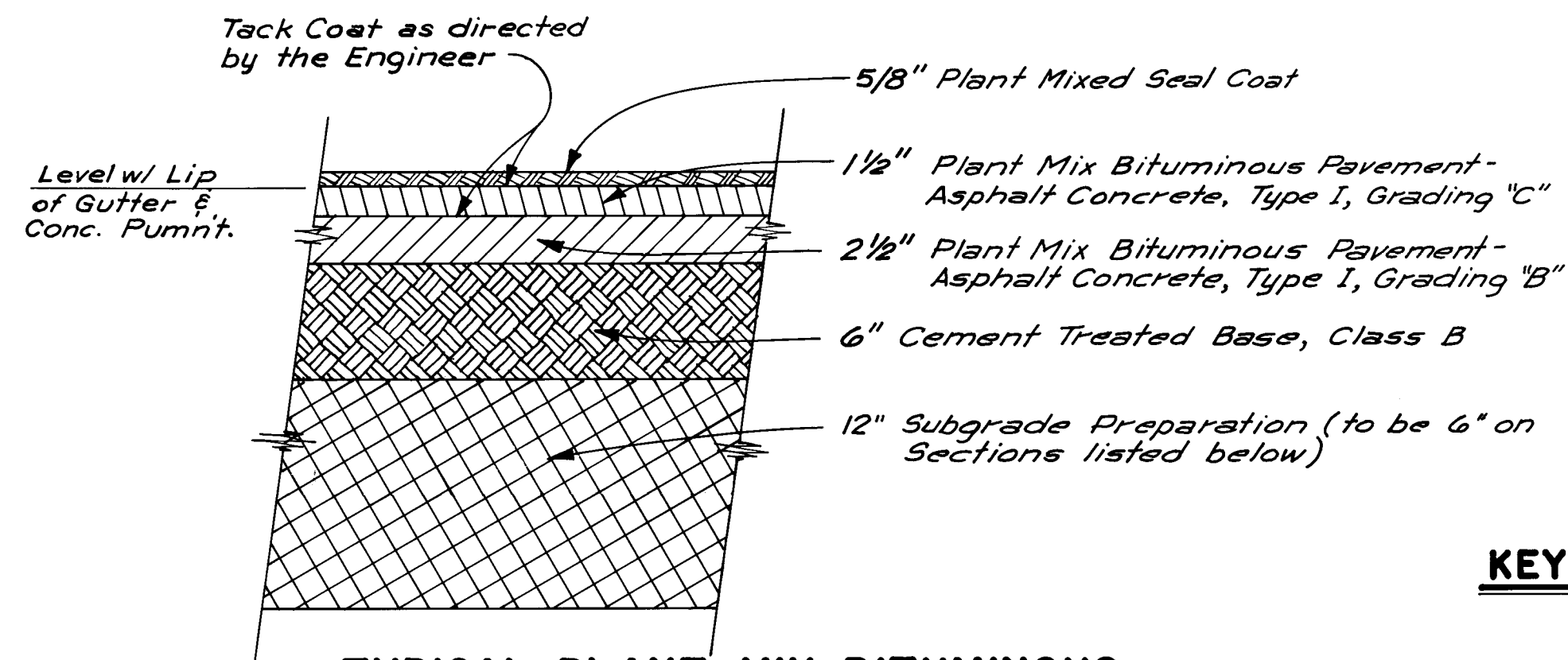
SECTION

SCALE: 1/2" = 1'-0"

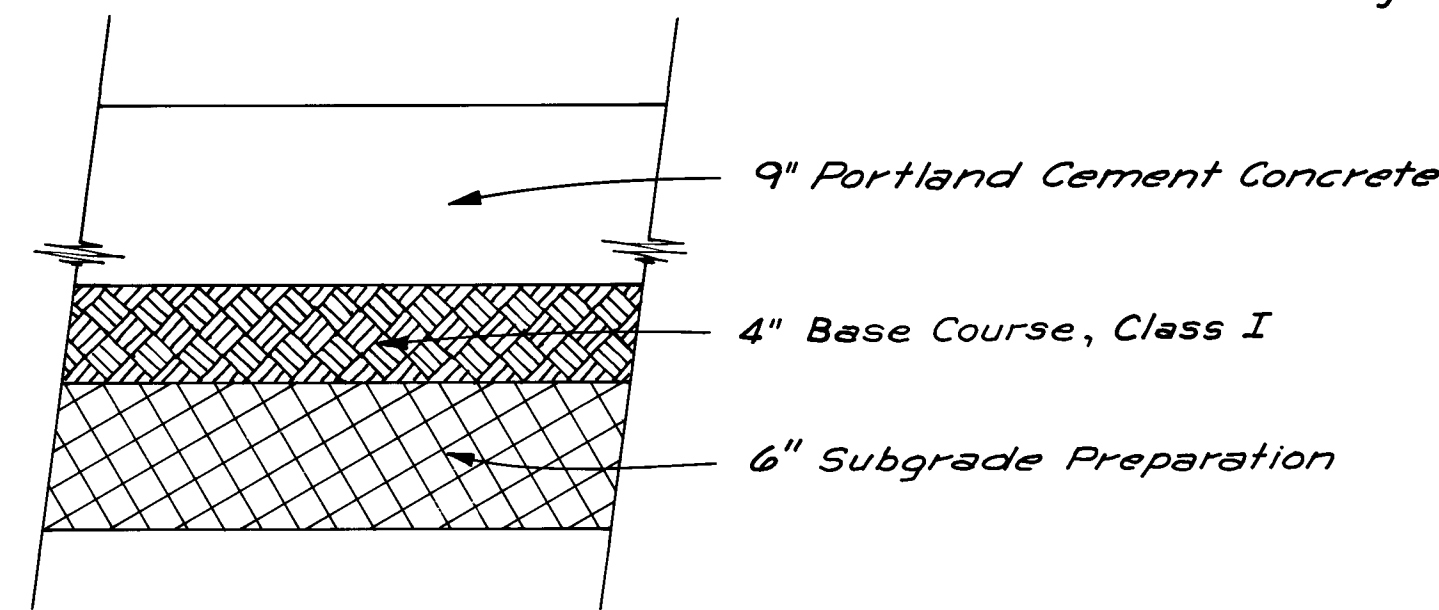
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6 6



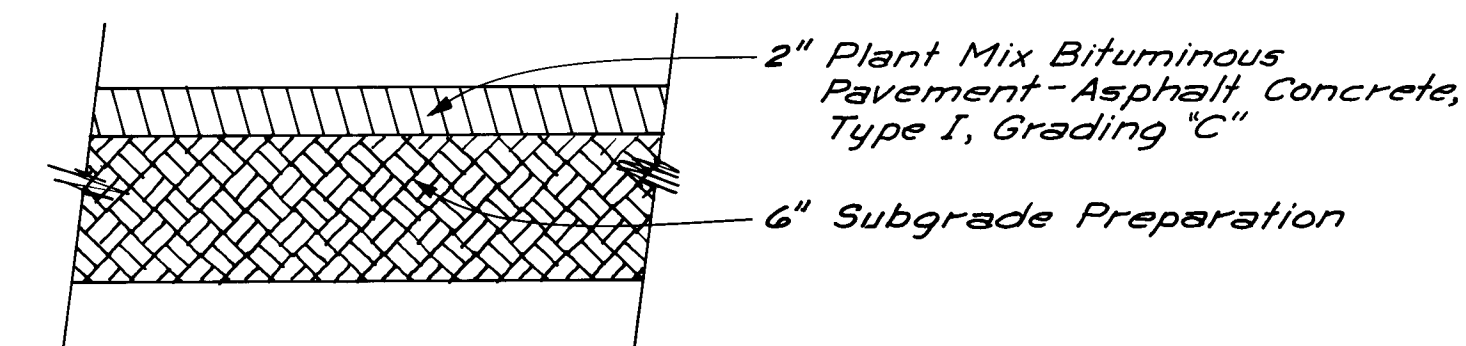
TYPE II
WHEEL CHAIR RAMP
SCALE: 1/4"=1'-0"



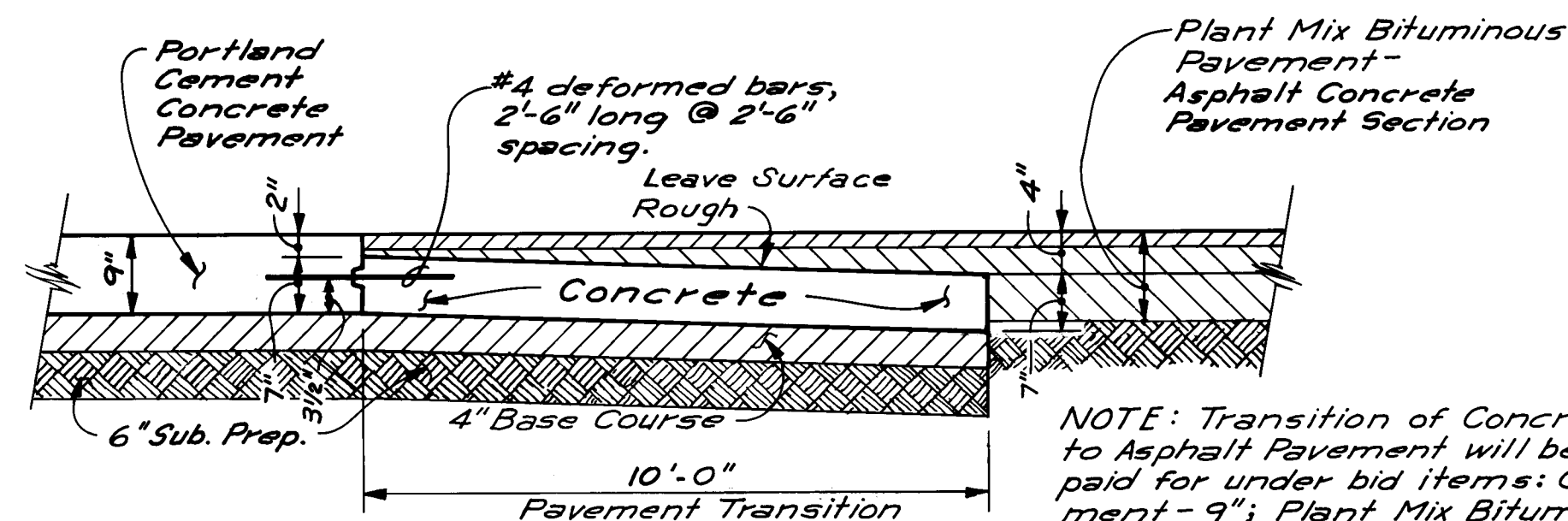
**TYPICAL PLANT MIX BITUMINOUS
PAVEMENT-ASPHALT CONCRETE
PAVEMENT SECTION**
NO SCALE



**TYPICAL PORTLAND CEMENT CONCRETE
PAVEMENT SECTION**
NO SCALE

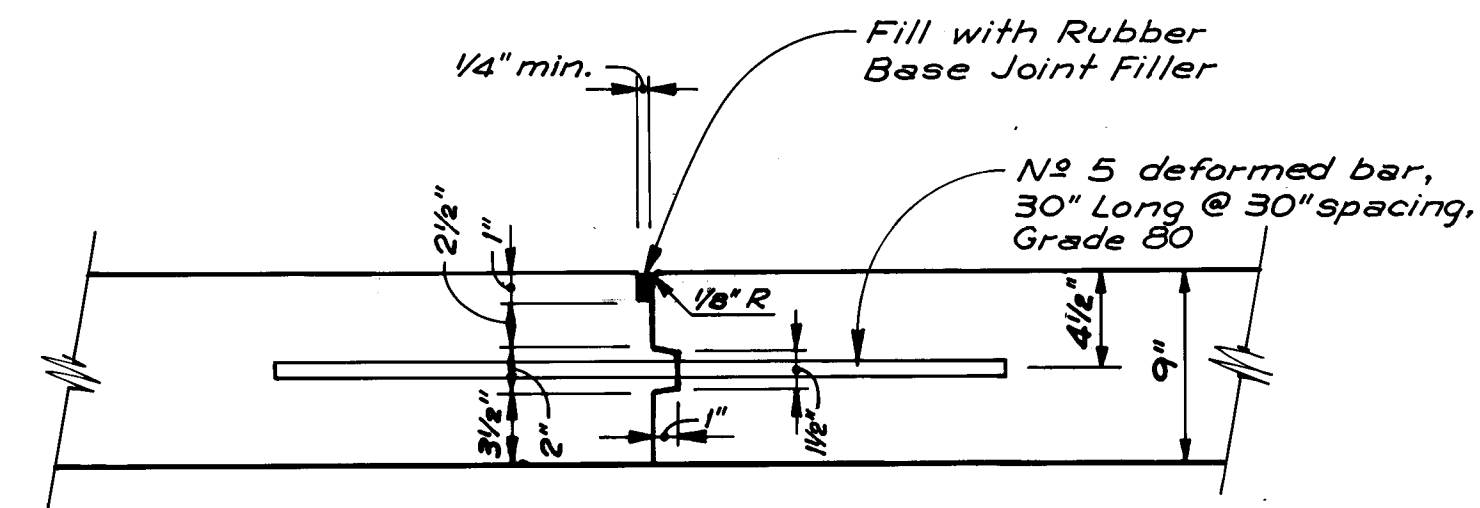


TYPICAL PARKING AREA
PAVEMENT SECTION
NO SCALE

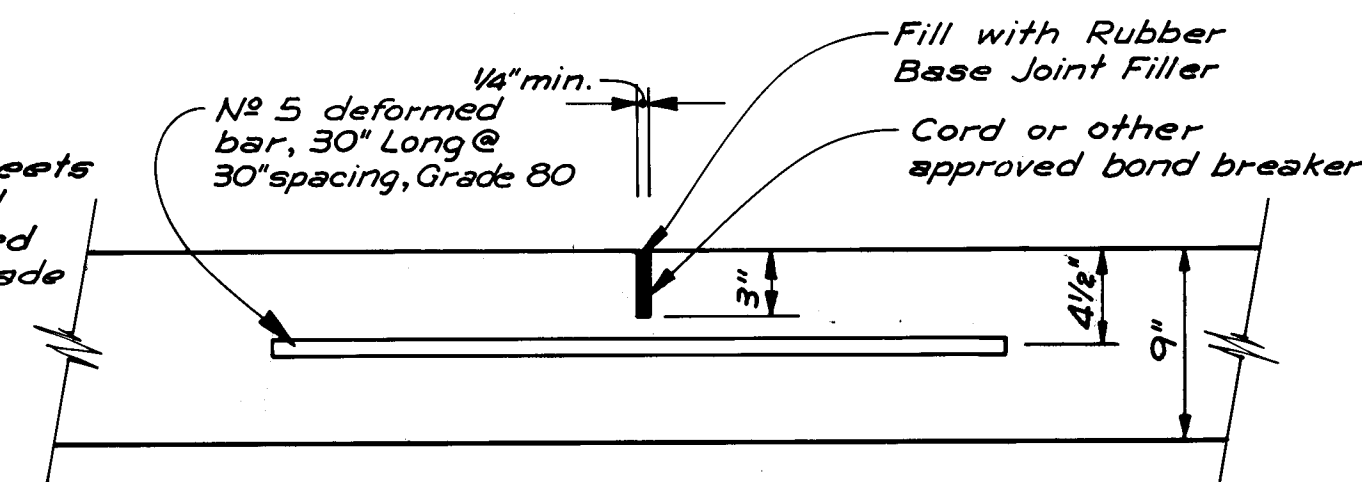


CONNECTION DETAIL
CONCRETE TO ASPHALT PAVEMENT
NO SCALE

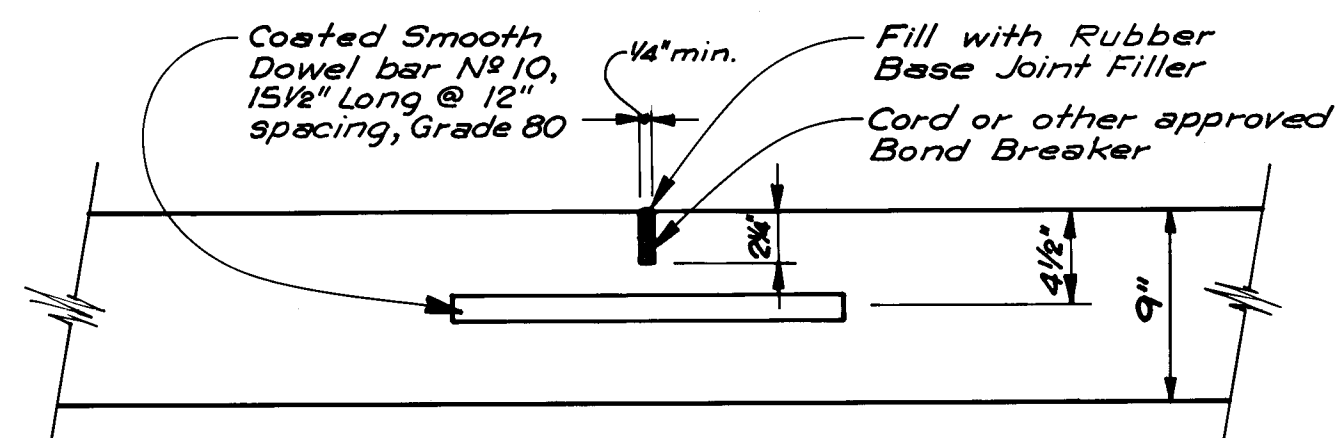
NOTE: Transition of Concrete Pavement to Asphalt Pavement will be measured & paid for under bid items: Concrete Pavement - 9"; Plant Mix Bituminous Pavement - Asphalt Concrete, Type I, Grading "C" - 1/2"; Plant Mix Bituminous Pavement - Asphalt Concrete, Type I, Grading "B" - 2 1/2"; Sub-grade Preparation - 6" and Plant Mixed Seal Coat - 5/8".



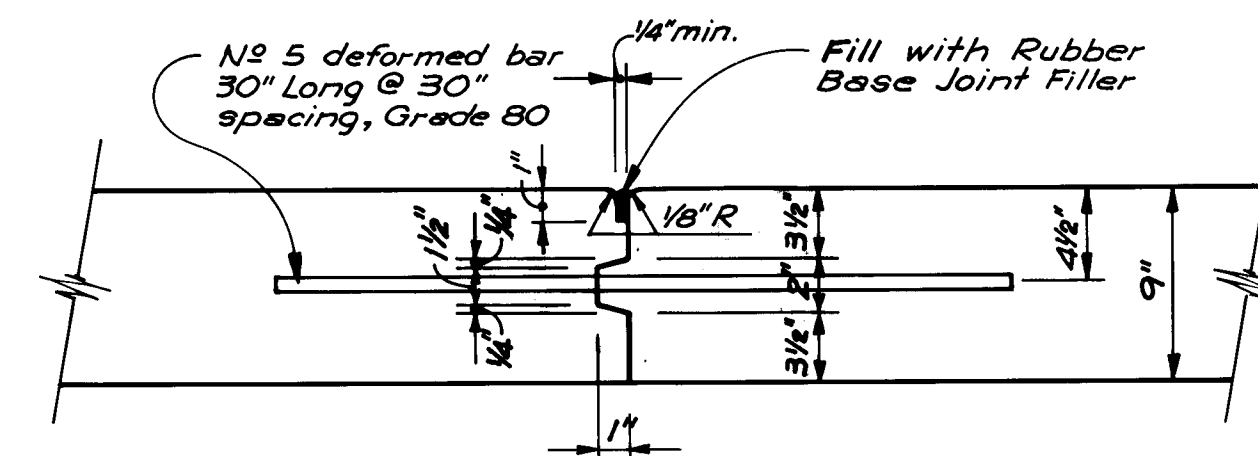
TYPE 'A' JOINT
KEYED LONGITUDINAL CONSTRUCTION JOINT WITH TIEBARS



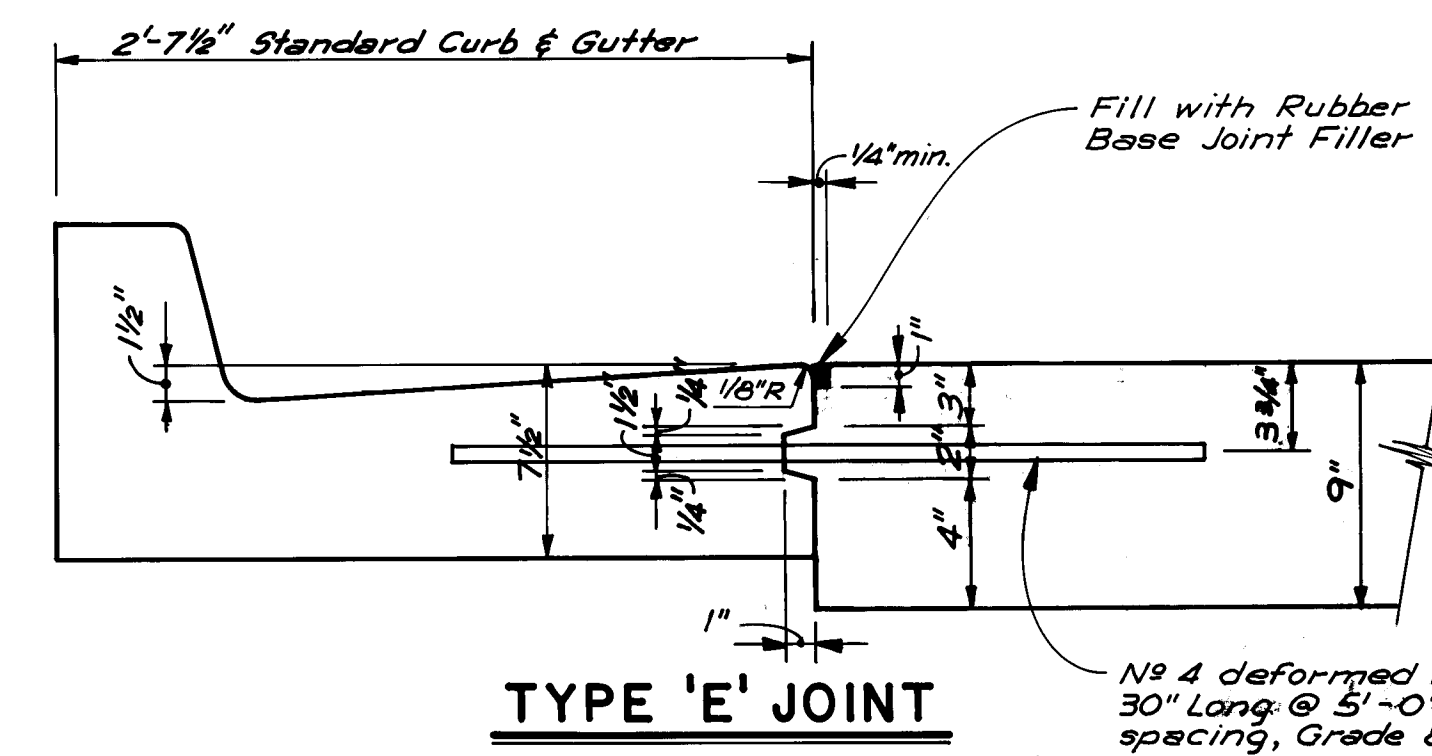
TYPE 'B' JOINT
SAWED JOINT WITH TIEBARS



TYPE 'C' JOINT
TRANSVERSE DOWELLED SAWED CONTRACTION JOINT



TYPE 'D' JOINT
KEYED TRANSVERSE CONSTRUCTION JOINT WITH TIEBARS



TYPE 'E' JOINT
CONSTRUCTION JOINT

CONCRETE PAVEMENT JOINT DETAILS

NO SCALE

- ## NOTES
1. ALL NO. 10 SMOOTH DOWEL BARS ARE TO BE HEAVILY GREASED BEFORE PLACEMENT OF CONCRETE.
 2. IN ALL CASES, DOWELS IN TRANSVERSE JOINTS ARE TO BE PARALLEL TO CENTER-LINE OF LANE.
 3. THE TEXTURING OF THE SURFACE OF THE SHOULDER IS TO BE AT RIGHT ANGLES TO THE DIRECTION OF THE MAINLINE TEXTURING.
 4. WORKMANSHIP AND MATERIALS SHALL CONFORM TO THE NEW MEXICO STATE HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS.
 5. TOP OF RUBBER BASE JOINT FILLER SHALL BE 1/8" BELOW FINISHED GRADE OF PAVEMENT. DEPTH OF FILLER SHALL BE SUCH AS TO MAINTAIN SHAPE FACTOR RECOMMENDED BY THE MANUFACTURER.
 6. TYPE "D" JOINTS ARE TO BE USED AT E.O.P. & B.O.P. AND AT END OF DAYS PAVING UNLESS DAYS PAVING ENDS AT AN EXPANSION JOINT IF THE DISTANCE FROM THE LAST JOINT IS TO BE SAWED TO THE TYPE "D" JOINT REQUIRED WOULD BE LESS THAN 10 FT. THE DISTANCE BETWEEN THE LAST TWO JOINTS IS TO BE SAWED SHALL BE ADJUSTED SO THAT THE DISTANCE BETWEEN JOINTS WILL NOT BE LESS THAN 10 FT.

[illegible]

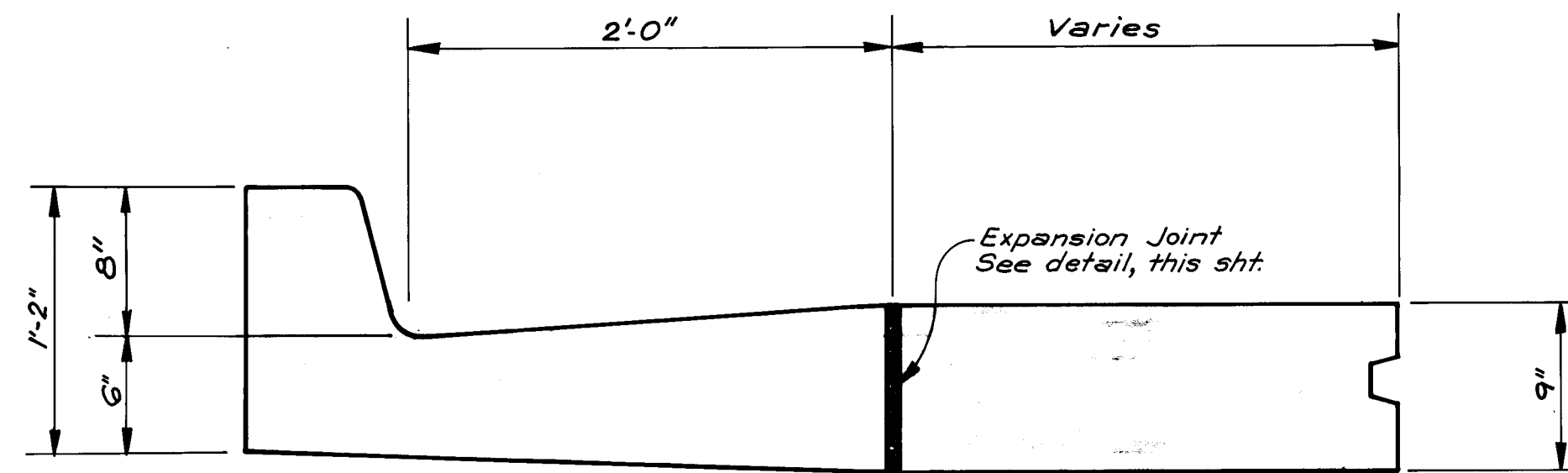
26 16710687
RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

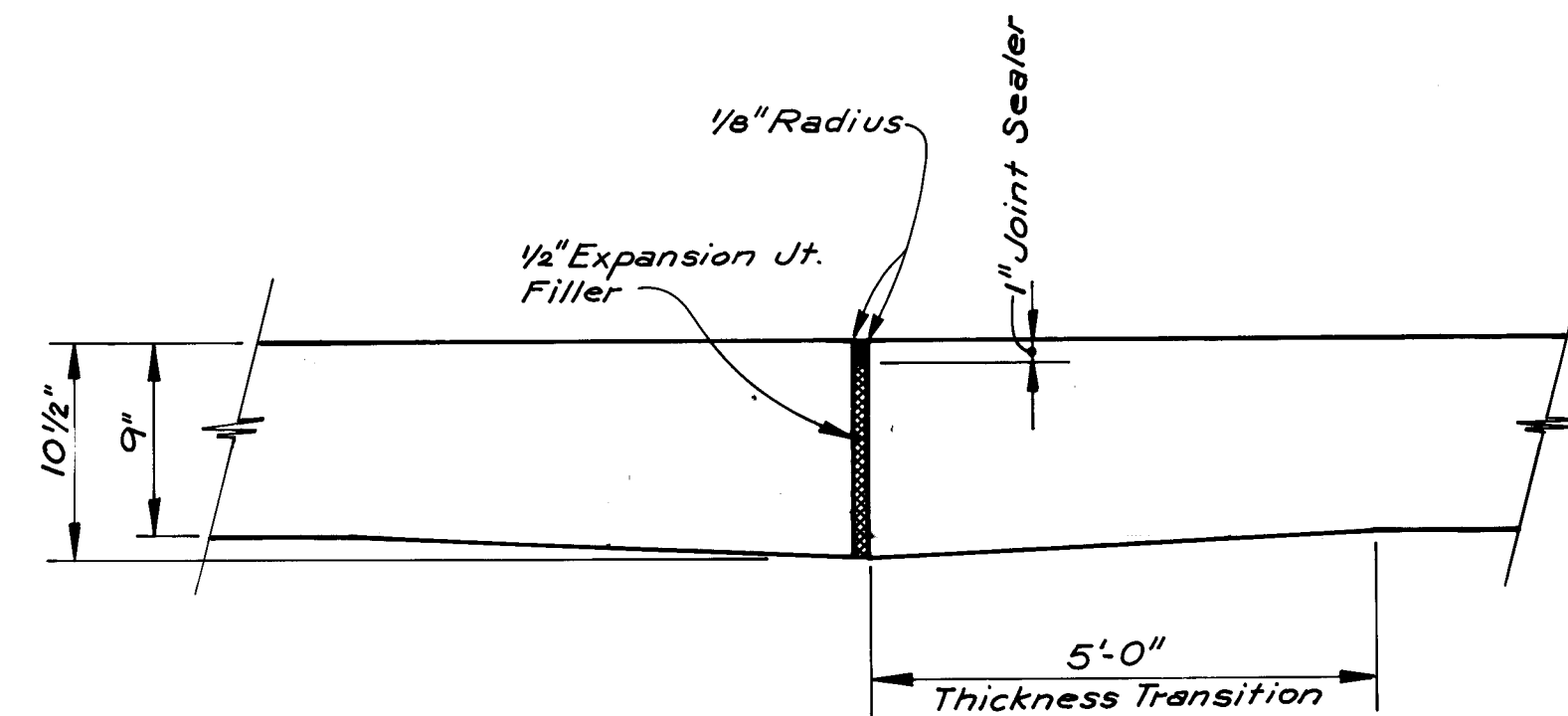
INTERSECTION RECONSTRUCTION
ZUNI ROAD AT SAN PEDRO DRIVE & LOUISIANA BLVD.
NEW MEXICO PROJECT HES-000S (20)
TYPICAL SECTIONS AND DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Title Sheet</i>		Liquid Waste	N/A RGF	9/26/04
A.C.E.- Design	<i>J.P. Linn</i>	9/26/09	Traffic	<i>David W. Hanna</i>	9/26/04
A.C.E.-Hydrology	<i>Don Hanna</i>	9/26/04	Water	N/A RGF	9/26/04

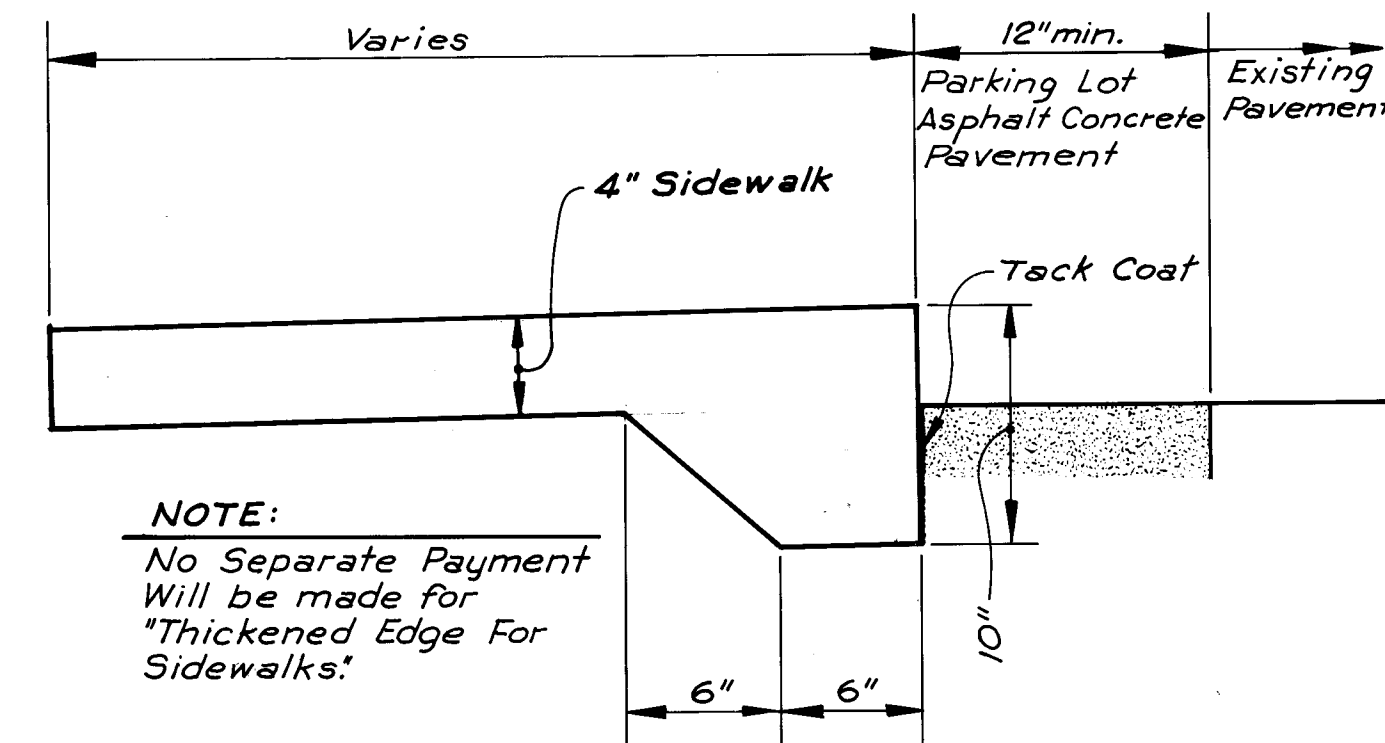
DRAWING NO.	1671	MAP NO. K-18-Z, L-18-Z	SHEET 6	OF 67
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SECTION 77
NO SCALE

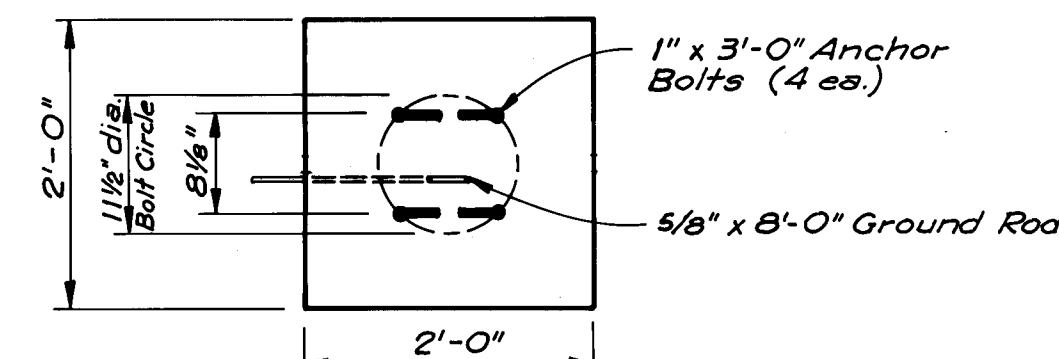


**CONCRETE PAVEMENT
EXPANSION JOINT DETAIL**
NO SCALE

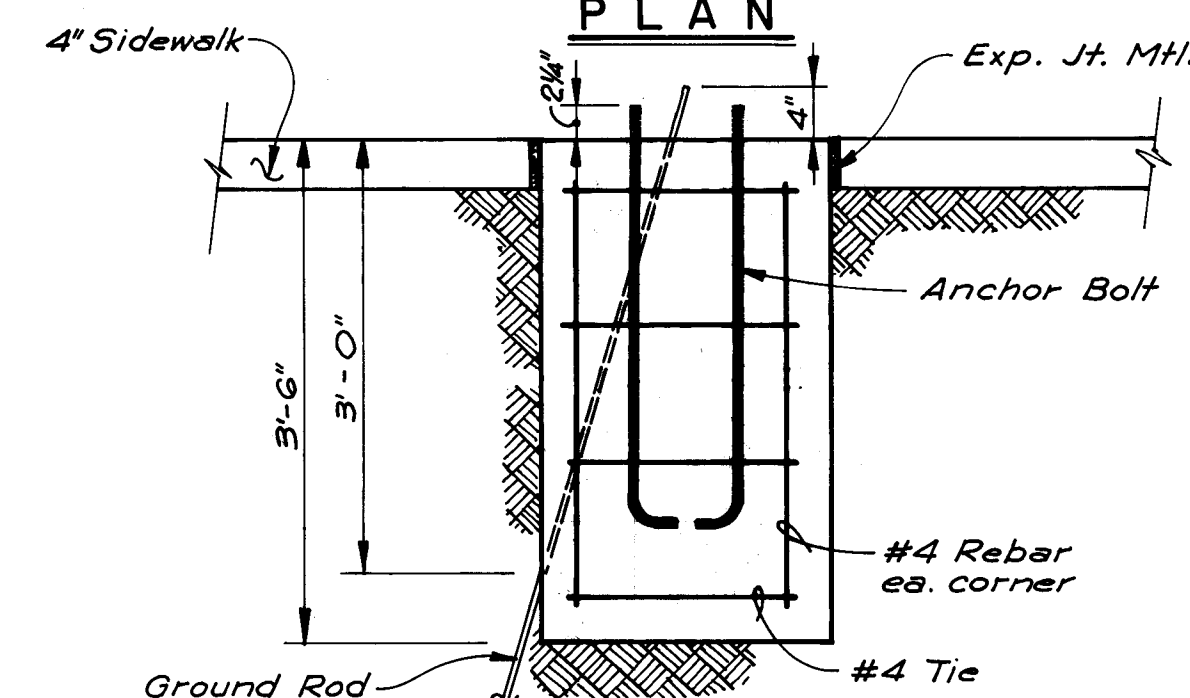


THICKENED EDGE FOR SIDEWALKS
NO SCALE

To be used only where indicated on the plans.

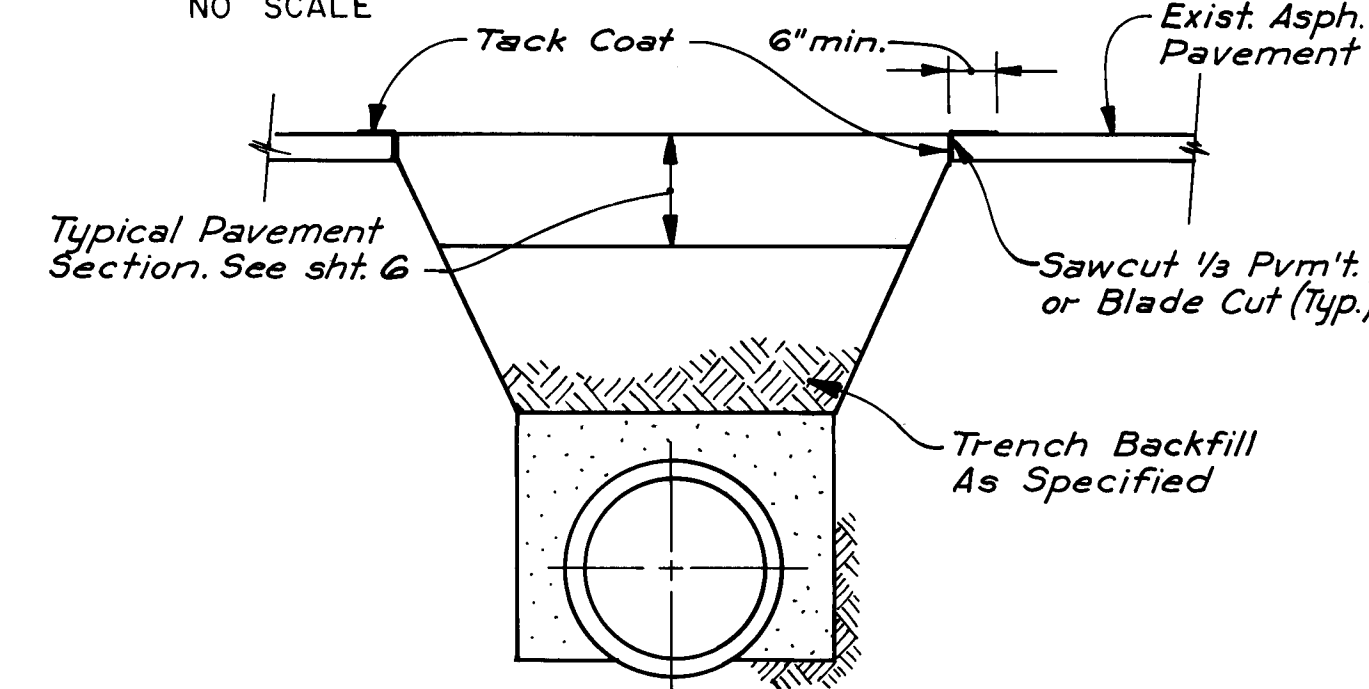


PLAN

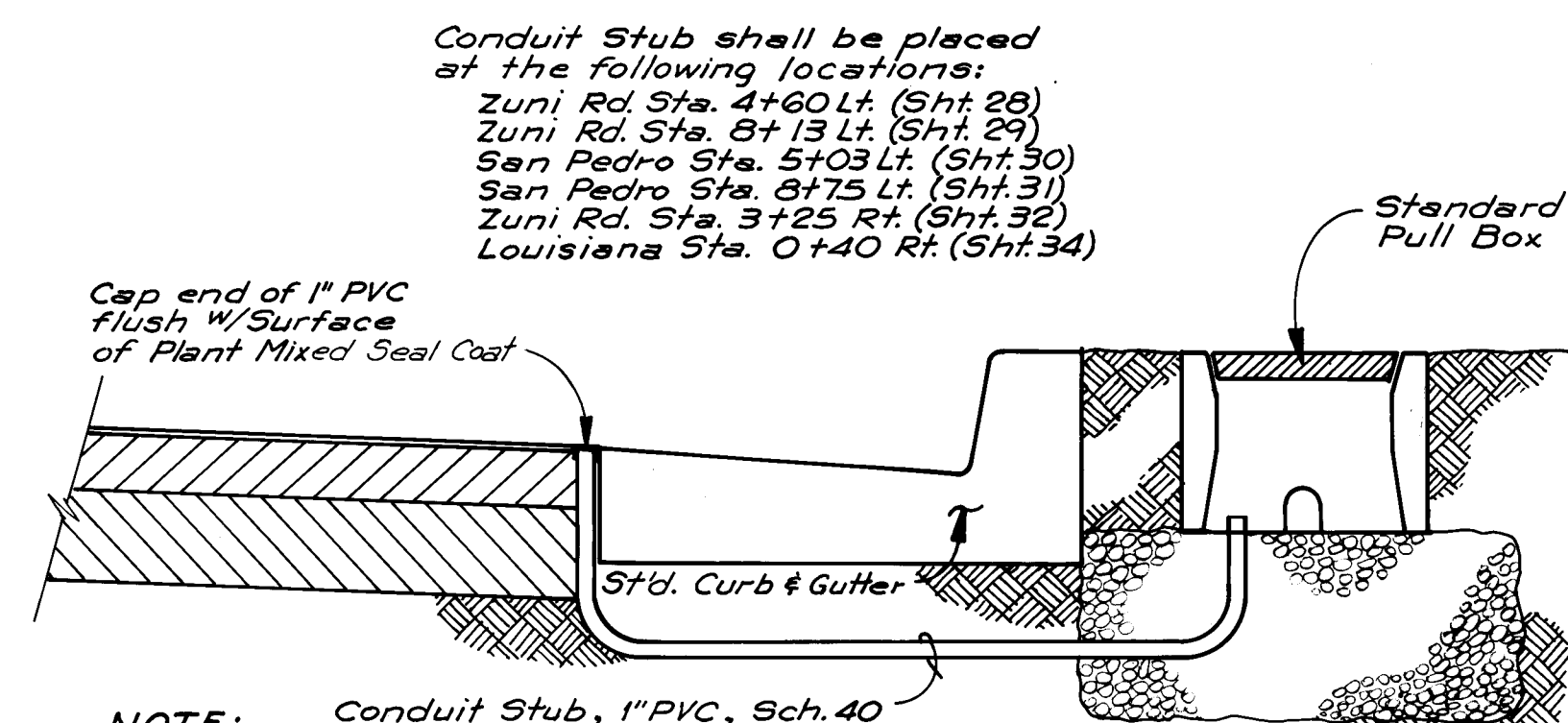


SECTION

**FOUNDATION DETAIL
ARTERIAL STREET LIGHT**
NO SCALE

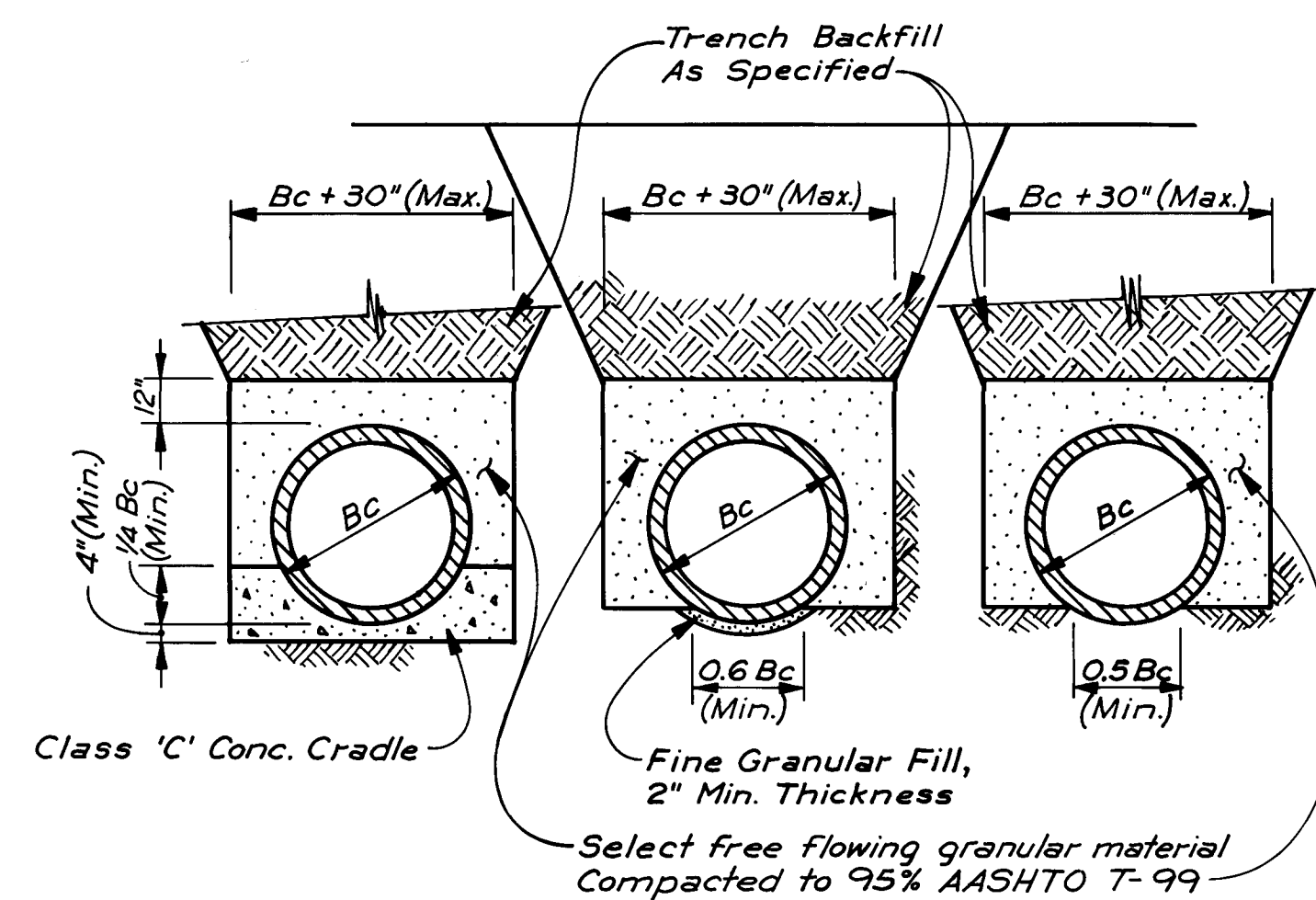


**TYPICAL PAVEMENT
CUT FOR TRENCHING**
NO SCALE



NOTE: Conduit Stub, 1" PVC, Sch. 40
No Separate Payment will be made for Conduit Stubs, which will be considered incidental to item; "Concrete Pull Box."

DETECTOR LOOP CONDUIT STUB OUT DETAIL
NO SCALE



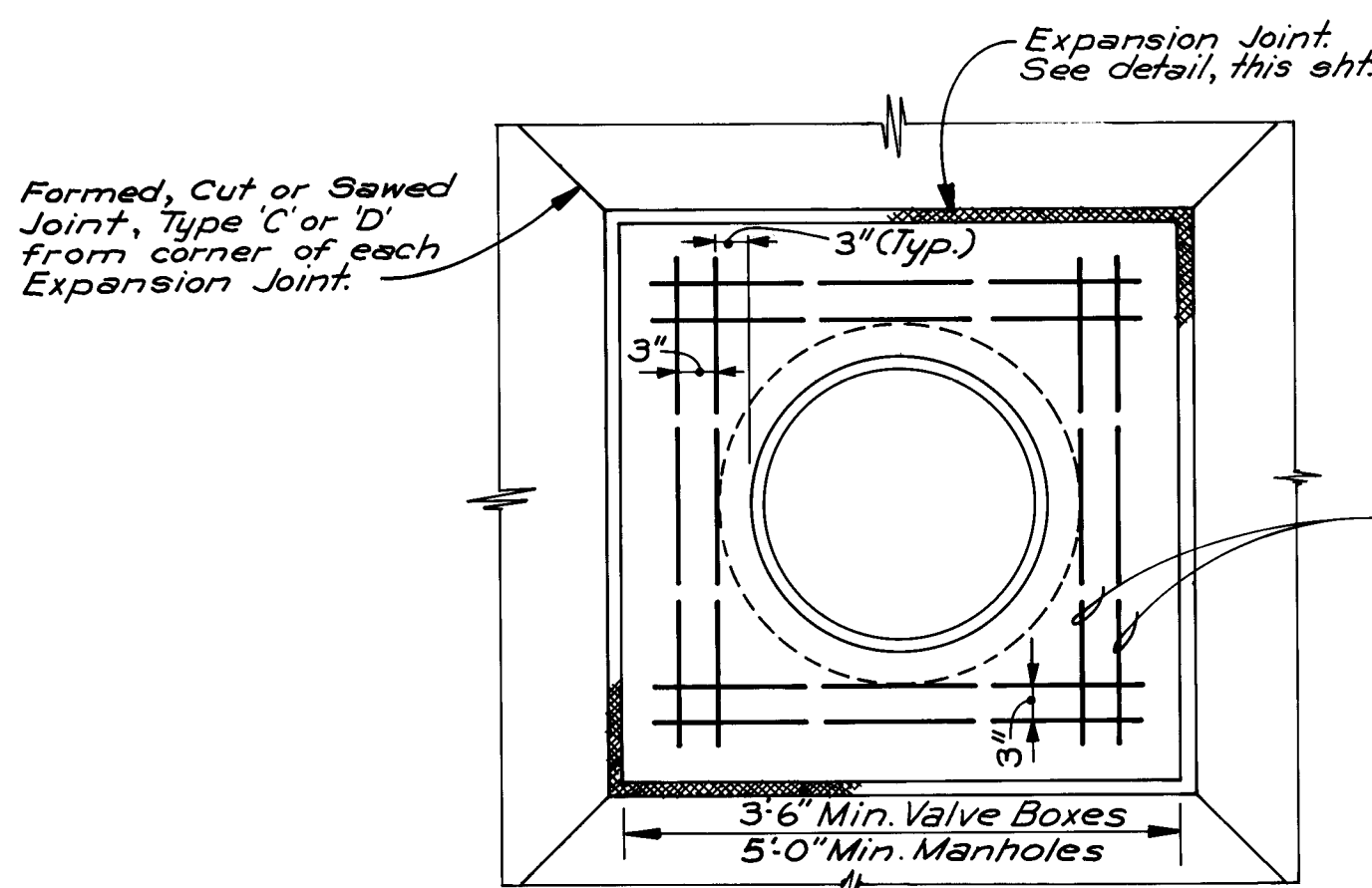
CLASS 'A' BEDDING
CLASS 'B' BEDDING
CLASS 'C' BEDDING

PIPE TRENCHING & BEDDING DETAILS
NO SCALE

NOTES:

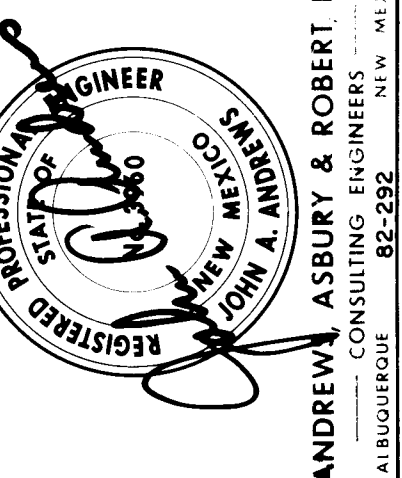
- Class 'C' Bedding shall be utilized except where otherwise indicated below.
- Where trench width exceeds $B_c + 30"$ measured 12" above the top of the pipe, the Contractor shall furnish the next higher class of bedding at no additional compensation.

Pipe Size	B_c	$1/4 B_c$	$0.5 B_c$	$0.6 B_c$
6"	6.90"	1.75"	3.5"	4.1"
8"	9.05"	2.3"	4.5"	5.4"
10"	11.10"	2.8"	5.6"	6.7"
12"	13.20"	3.3"	6.6"	7.9"
15"	19.50"	4.9"	9.75"	11.7"
18"	23.00"	5.75"	11.5"	13.8"



**BLOCKOUT FOR MANHOLE
& WATER VALVE**
NO SCALE

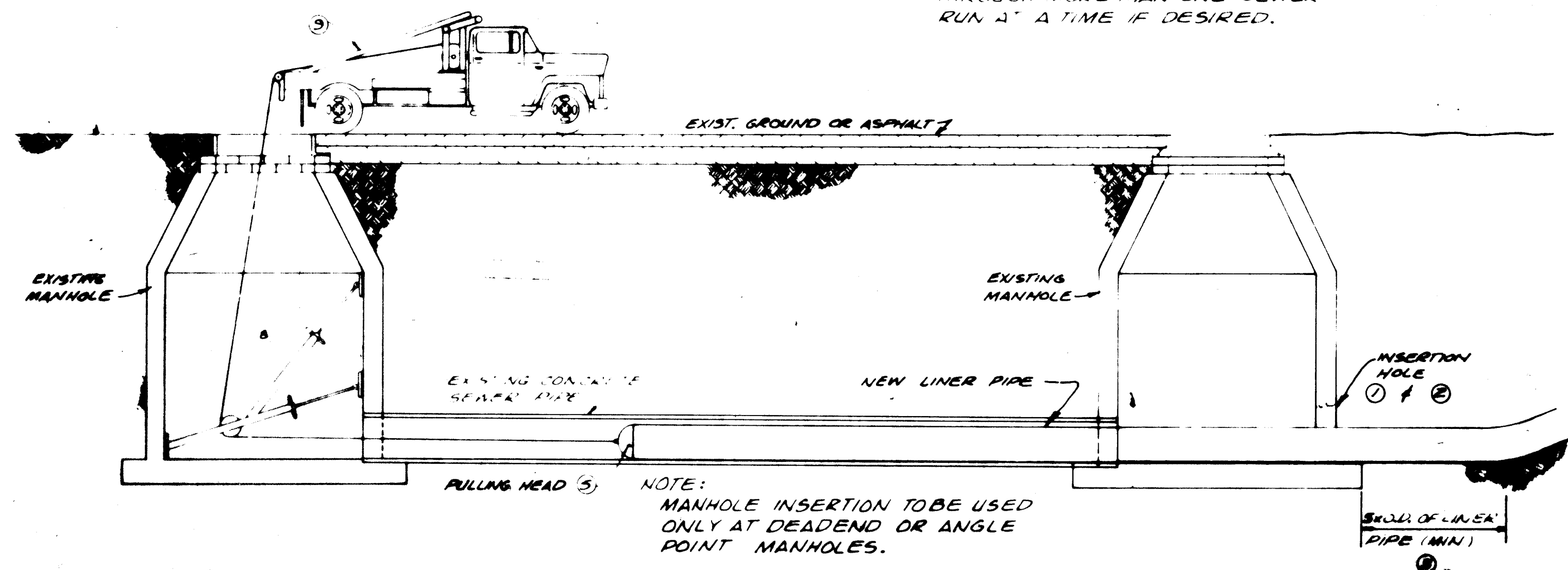
AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION				ENGINEER'S SEAL			
CONTRACTOR	J.H. Ryan & Son, Inc.	DATE		NO.	DATE	BY	DATE	NO.	DATE	BY	DATE	NO.	DATE	BY	DATE
INSPECTOR		DATE													
ACCEPTANCE BY		DATE													
VERIFICATION BY	MMSD	DATE	9-86												
RECORDED BY	22460	DATE	9-86												
MICRO-FILM INFORMATION															
RECORDED BY		DATE													
NO.															



26 16710787
RECORD DRAWING

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT			
INTERSECTION RECONSTRUCTION ZUNI ROAD AT SAN PEDRO DRIVE & LOUISIANA BLVD. NEW MEXICO PROJECT HES-0005 (20)			
MISCELLANEOUS SECTIONS & DETAILS			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	See Title Sheet		Liquid Waste
A.C.E.-Design	9/26/84		Traffic
A.C.E.-Hydrology	9/26/84		Water
DESIGNED BY	JM	DATE	
DRAWN BY	JV	DATE	
CHECKED BY	JA	DATE	
DRAWING NO.	1671	MAP NO.	SHEET 7 OF 67

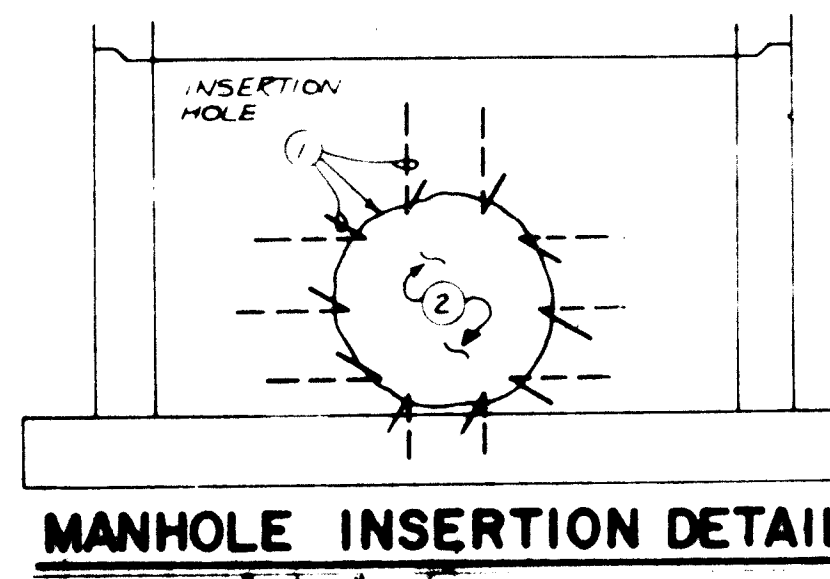
NOTE:
THE LINER PIPE MAY BE PULLED
THROUGH MORE THAN ONE SEWER
RUN AT A TIME IF DESIRED.



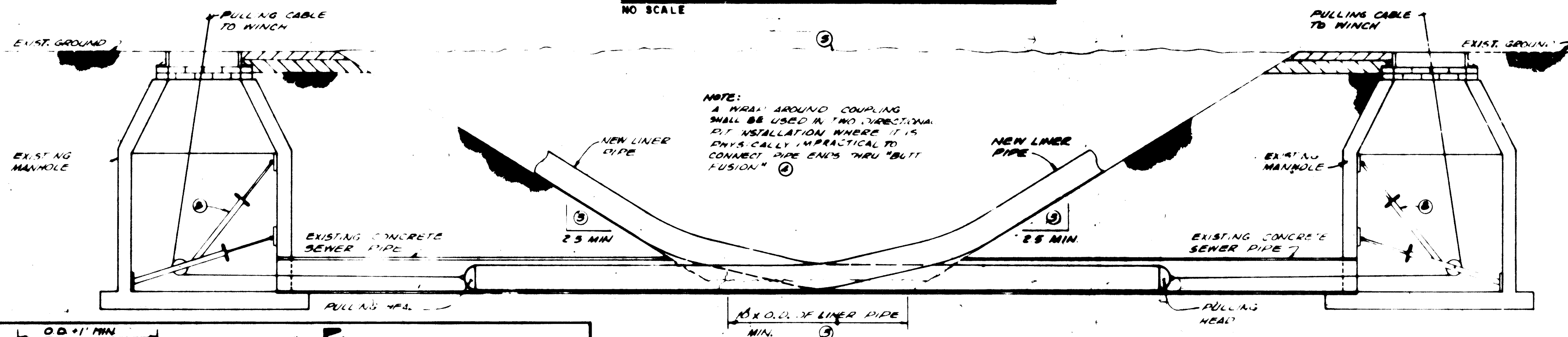
NOTE:
MANHOLE INSERTION TO BE USED
ONLY AT DEADEND OR ANGLE
POINT MANHOLES.

TYPICAL MANHOLE INSERTION PROFILE
NO SCALE

NOTE: INSERTION HOLE
MUST BE ACCOMPLISHED
BY "CORE DRILLING"
FOR BLOCK MANHOLES

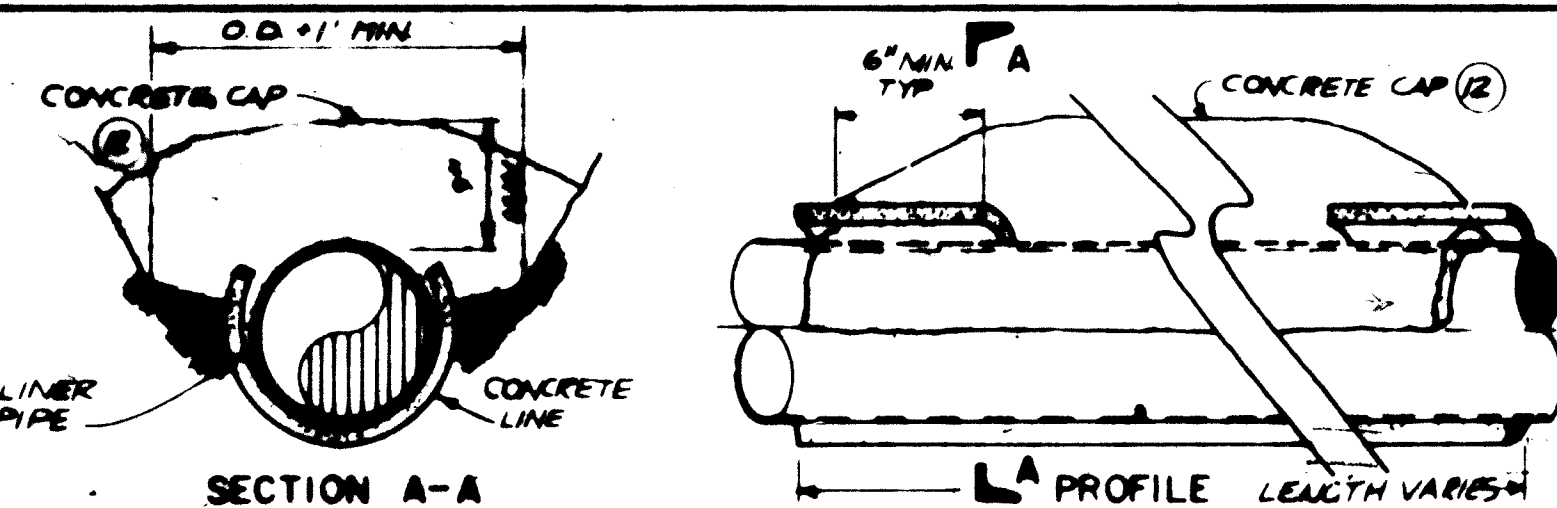


MANHOLE INSERTION DETAIL
SCALE: 3/4" = 1'-0"

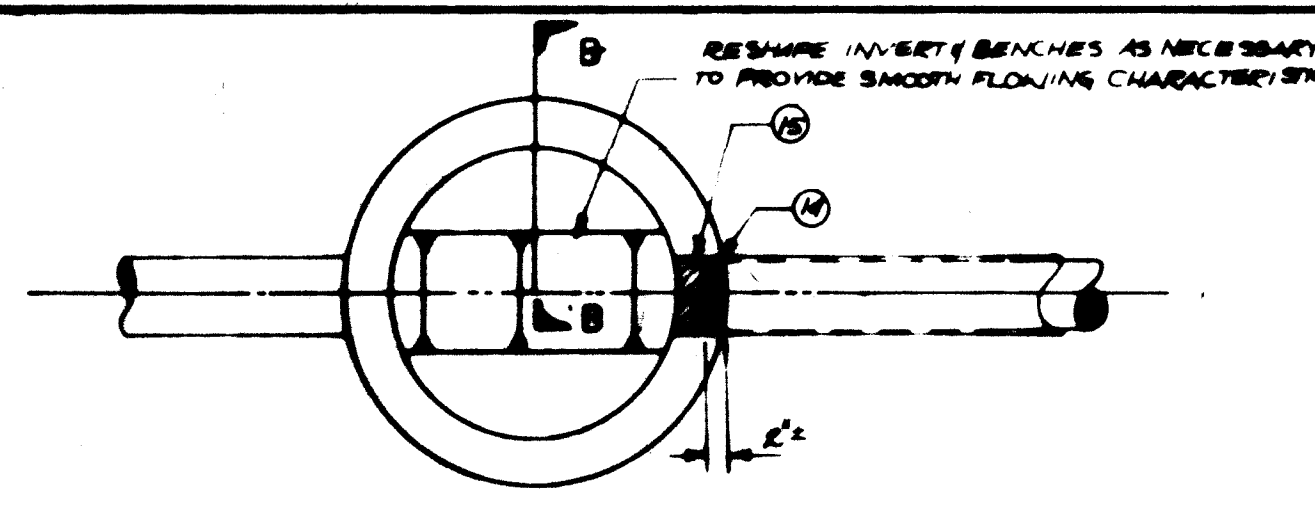


NOTE:
A WRAP AROUND COUPLING
SHALL BE USED IN TWO DIRECTIONAL
FIT INSTALLATION WHERE IT IS
PHYSICALLY IMPRACTICAL TO
CONNECT PIPE ENDS THRU "BUTT
FUSION"

TYPICAL MID-LINE INSERTION PROFILE
NO SCALE

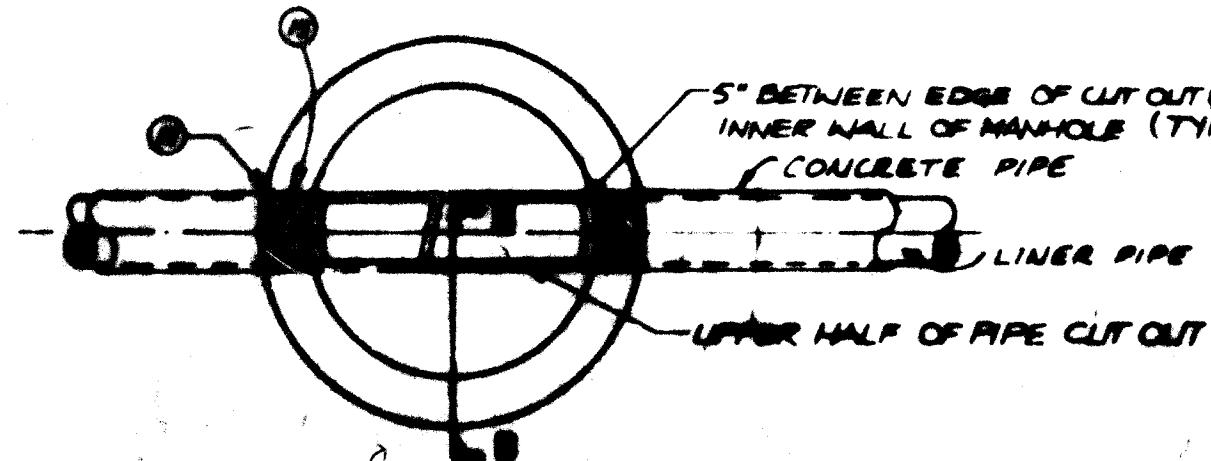


CONCRETE POINT REPAIR
NO SCALE



PLAN VIEW OF MANHOLE - LINER CONNECTION

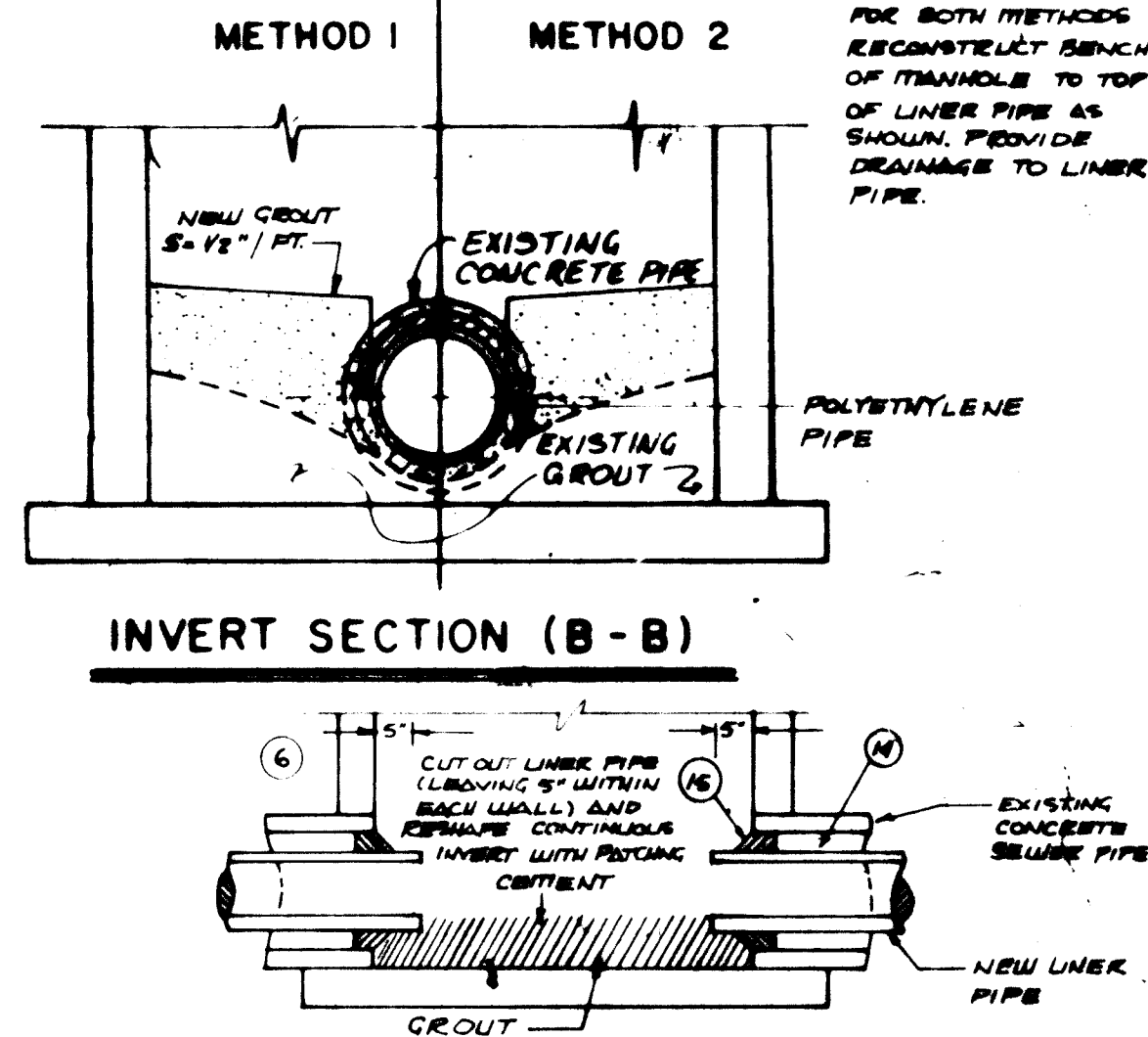
METHOD 1



PLAN VIEW OF MANHOLE - INVERT DETAIL

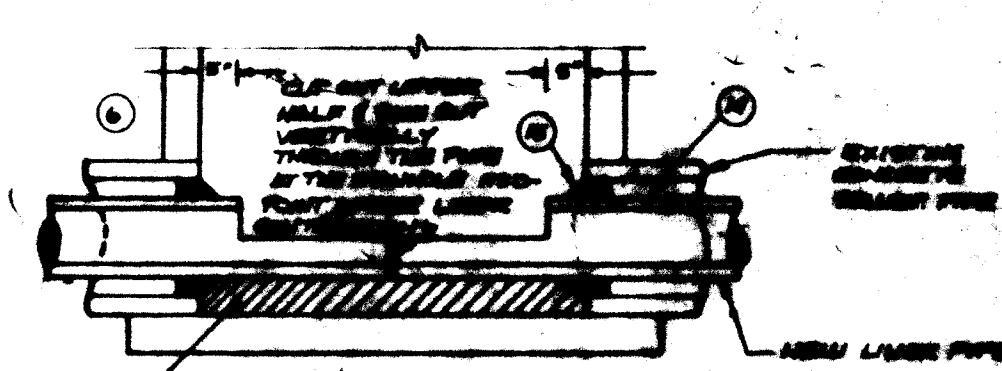
METHOD 2

Two techniques are acceptable when reconstructing manhole inverts.
Method 1 is to cut out the liner 5" from the manhole wall and to reform the invert and bench with grout.
Method 2 is to cut out the top half of the liner pipe within the manhole and to reform the invert and bench with grout.



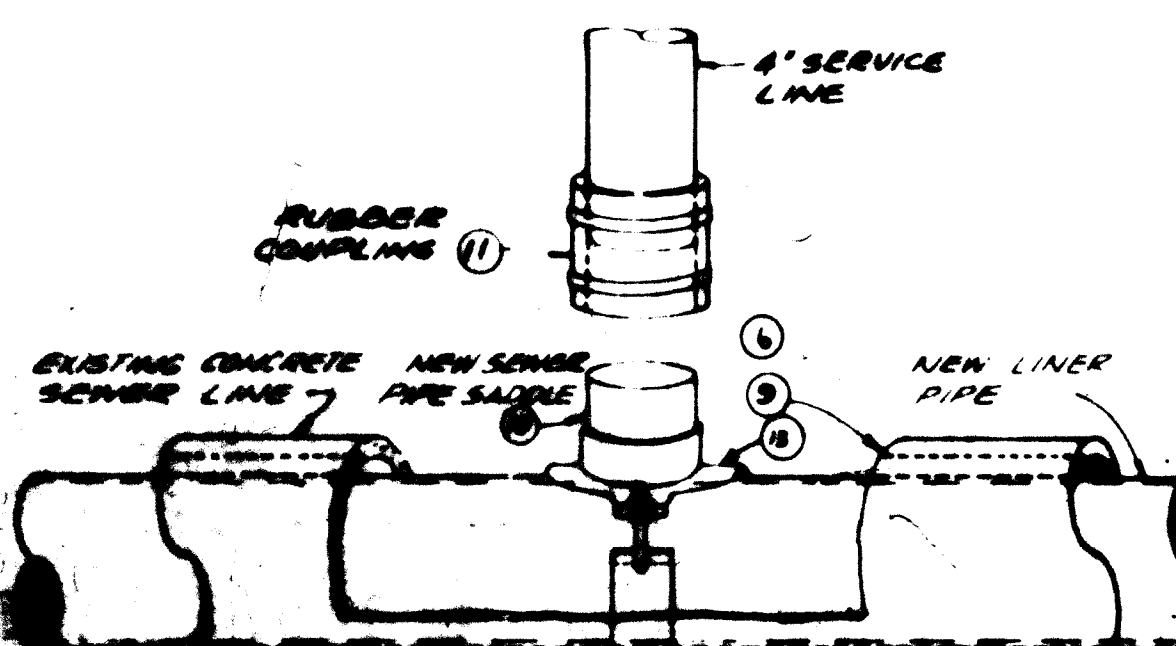
RESTRUCTURING MANHOLE INVERT

METHOD 1 - SECTION

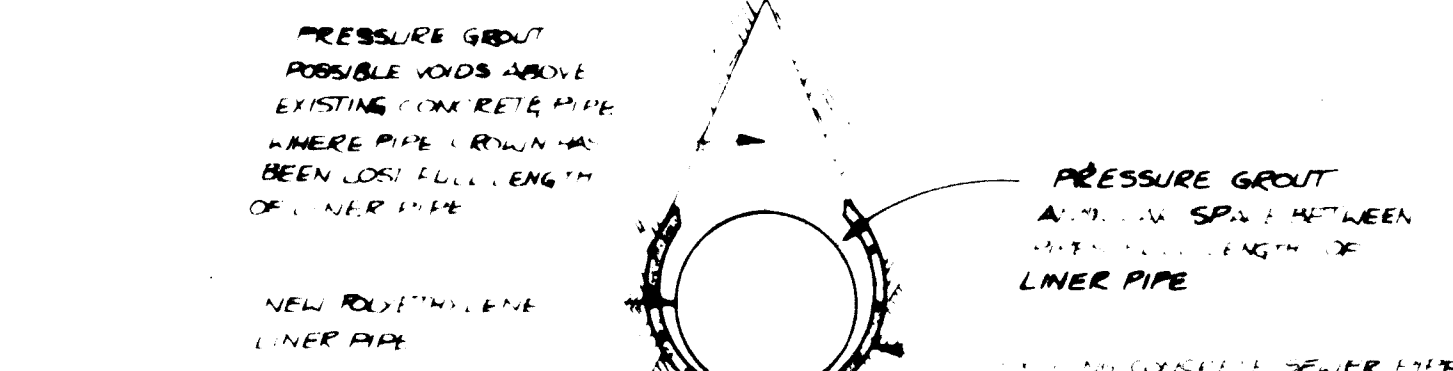


RESTRUCTURING MANHOLE INVERT

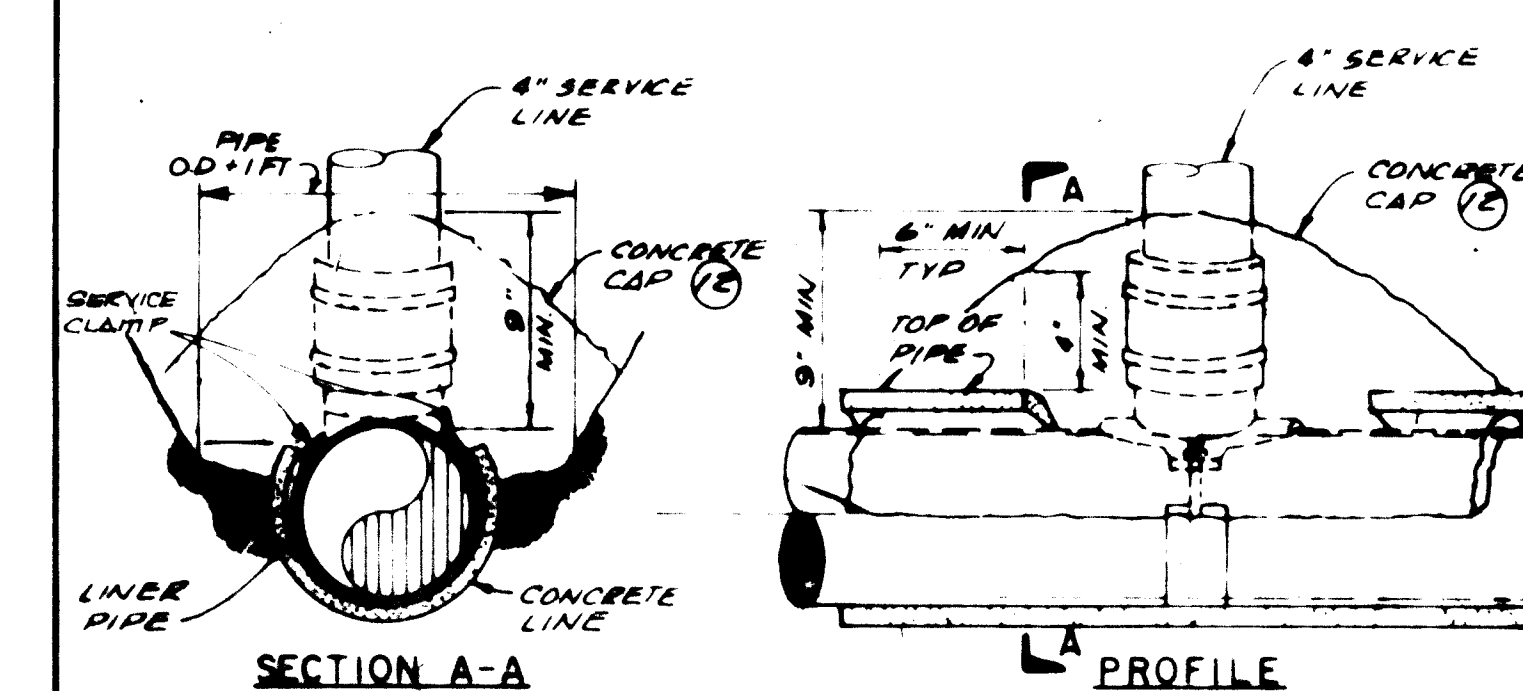
METHOD 2 - SECTION



SEWER RECONNECTION DETAIL
SCALE: 1/2" = 1'-0" (CAST IRON SADDLE TAP)



PRESSURE GROUT DETAIL
NO SCALE



SERVICE CONNECTION CONCRETE CAP

SCALE: 1/2" = 1'-0"

26 16710787A

PLANS PREPARED
UNDER THE DIRECTION
OF

APPROVALS
City Engineer
ACE - Design
ACE - Hydrology

CITY OF ALBUQUERQUE
WATER RESOURCES DEPARTMENT

TITLE
STANDARD SLIPLINING DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste	James J. Joplin	2/1/83
ACE - Design			Drainage	M.A. Joplin	3/1/83
ACE - Hydrology			Water	James Joplin	3/1/83

DRAWN (WRD 82.15.21)
1671
SHEET 7A 67

RECORD DRAWING

AS BUILT INFORMATION	CONTRACTOR	DATE	REVISIONS
J.H. Ryan & Son Inc.			
DATE	DATE	DATE	DATE
DATE	DATE	DATE	DATE

BENCH MARKS	DATE

SURVEY INFORMATION	DATE

FIELD NOTES	DATE

NO.	DATE

NO.	DATE

NO.	DATE

NO.	DATE

NO.	DATE

NO.	DATE

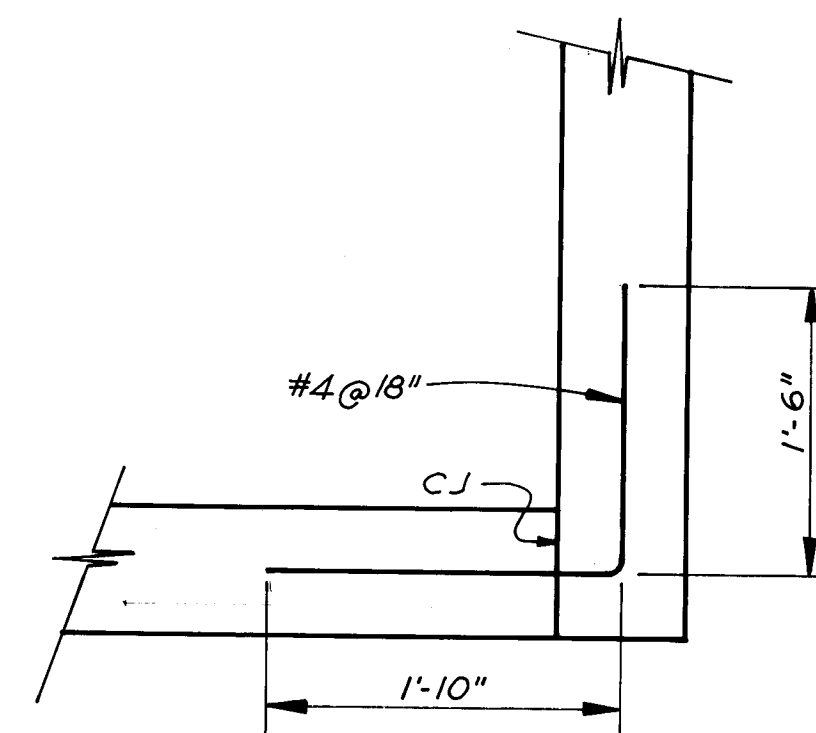
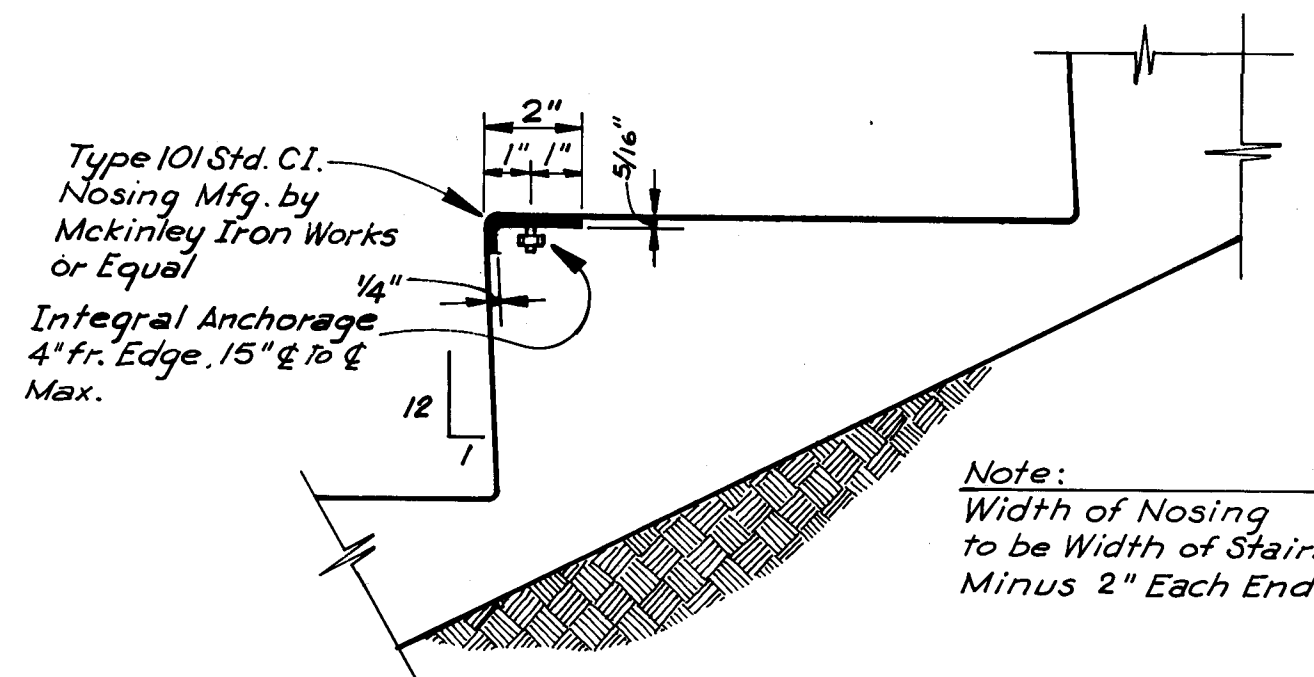
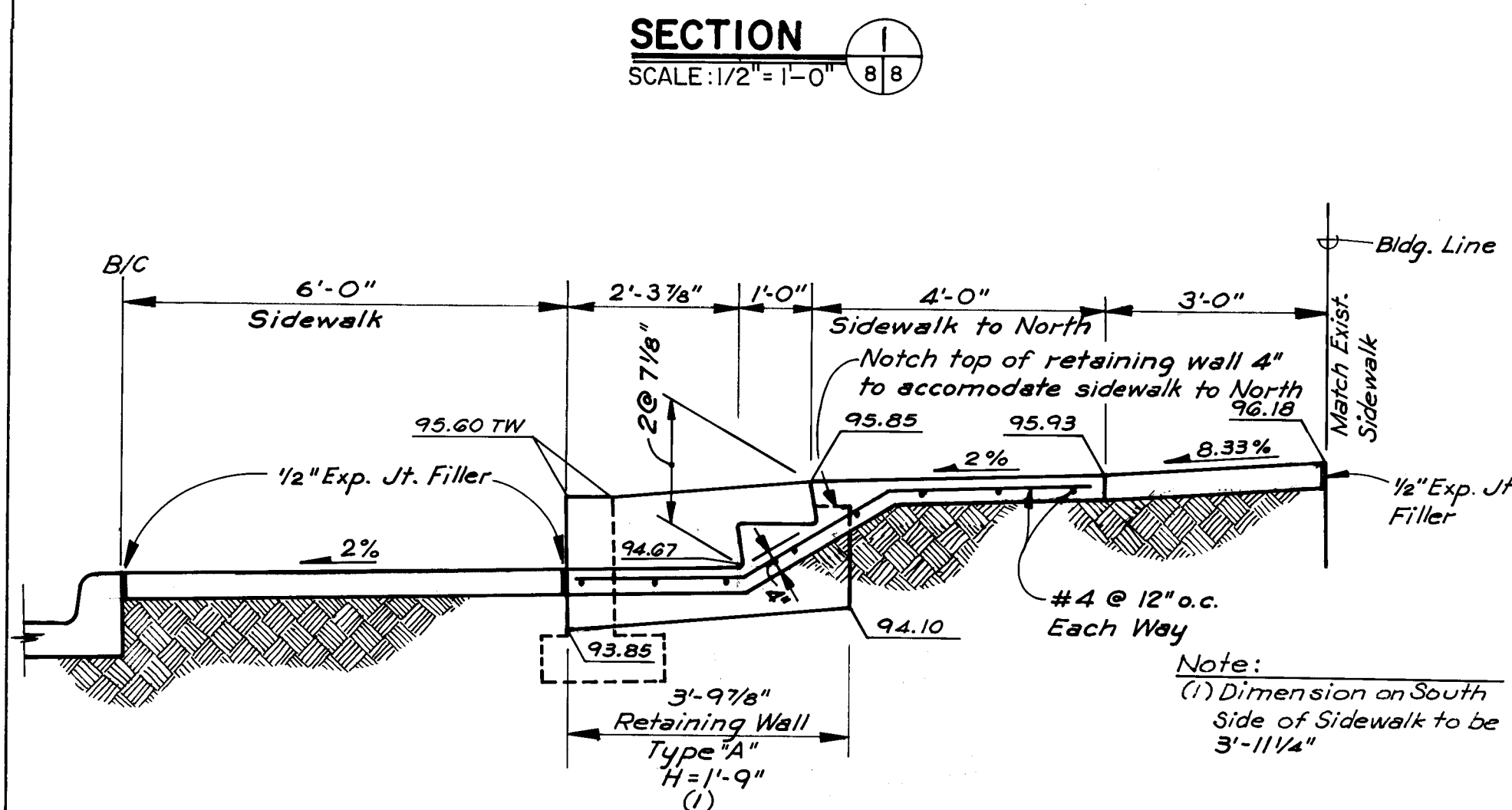
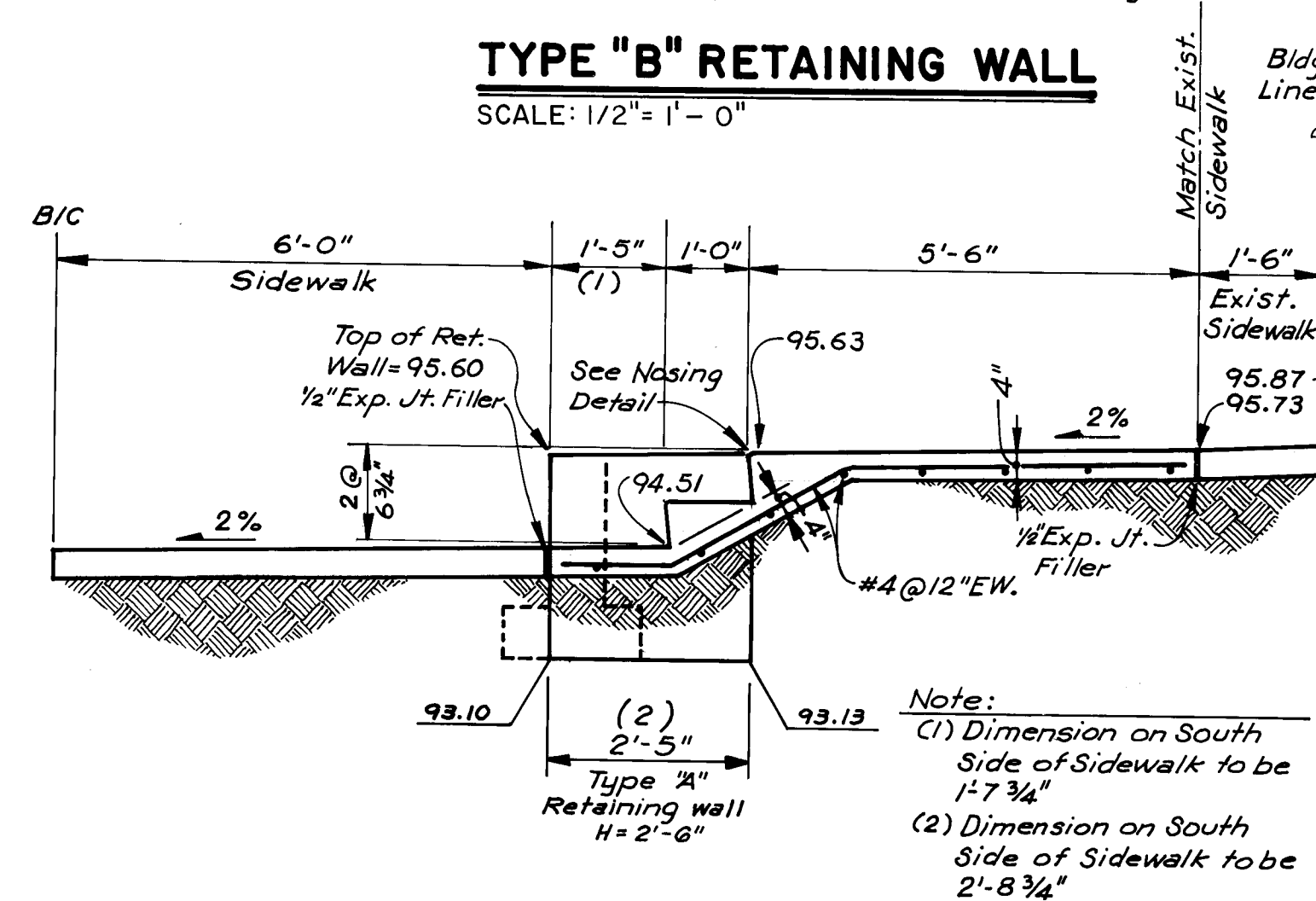
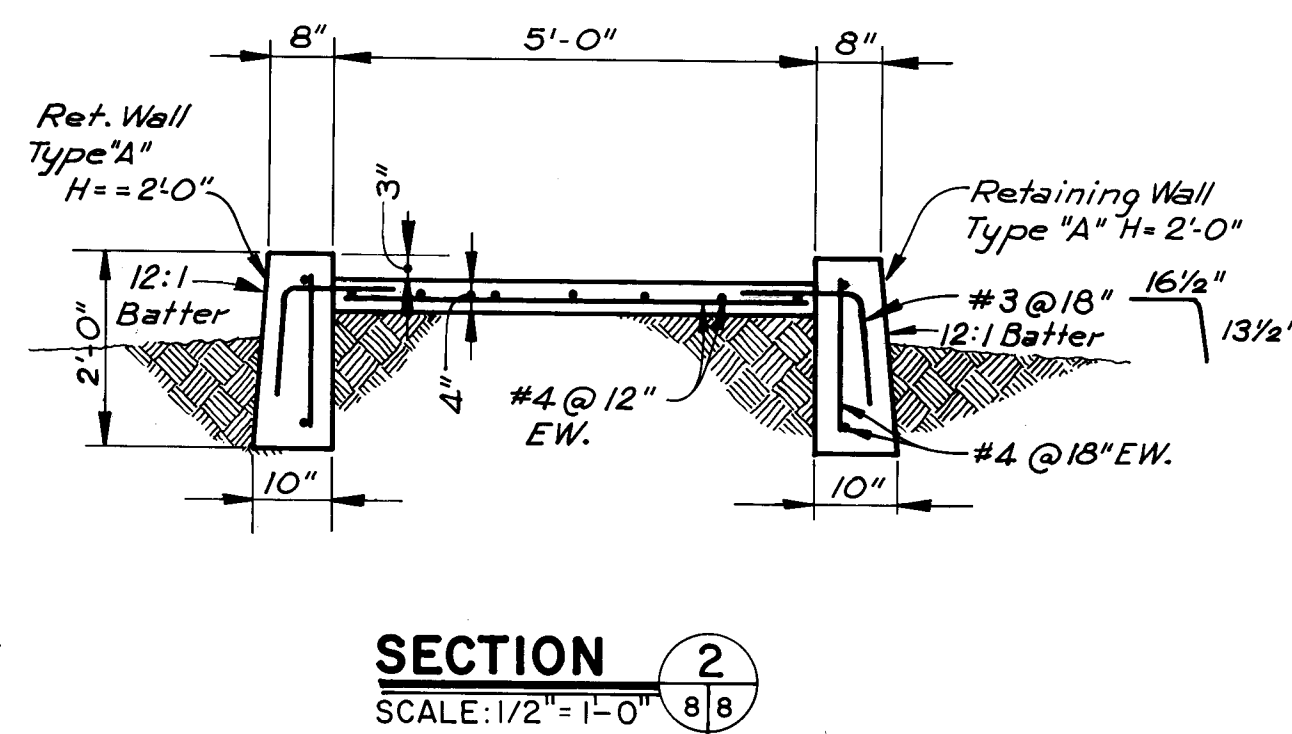
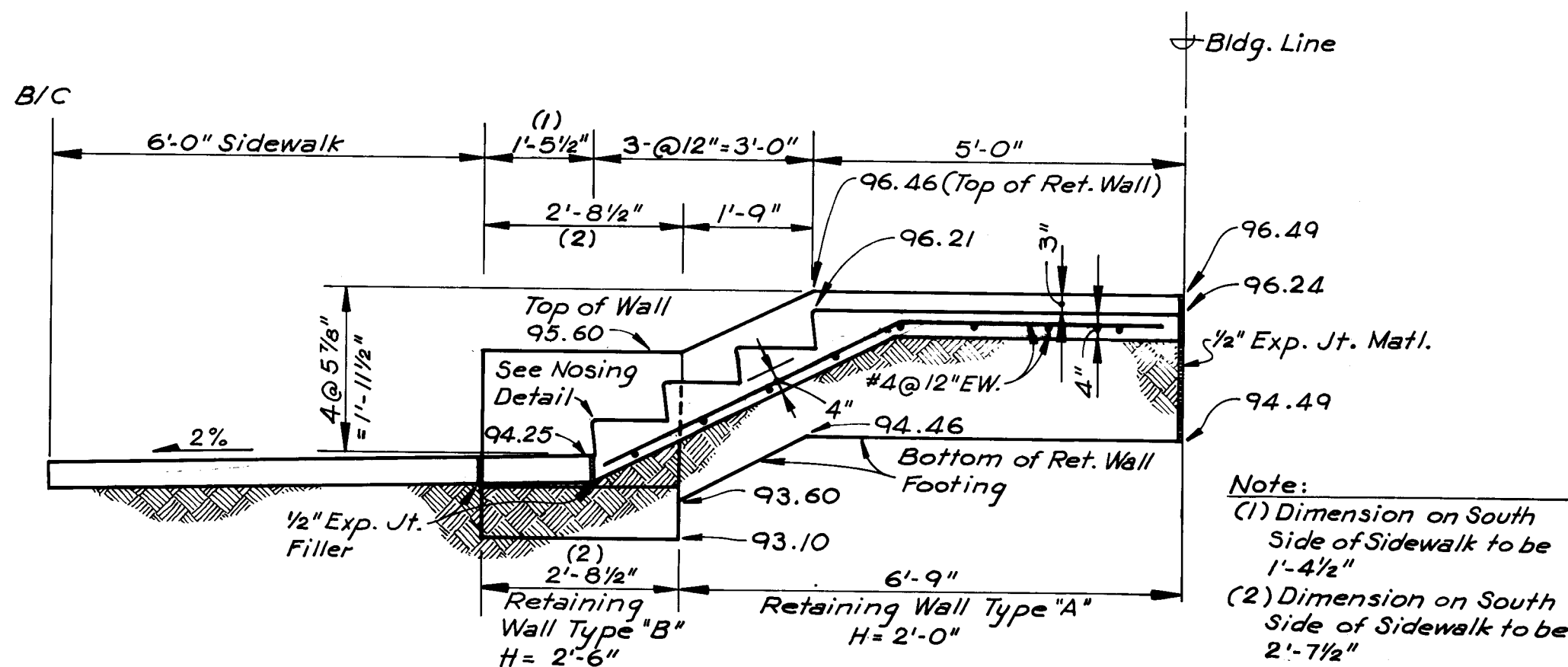
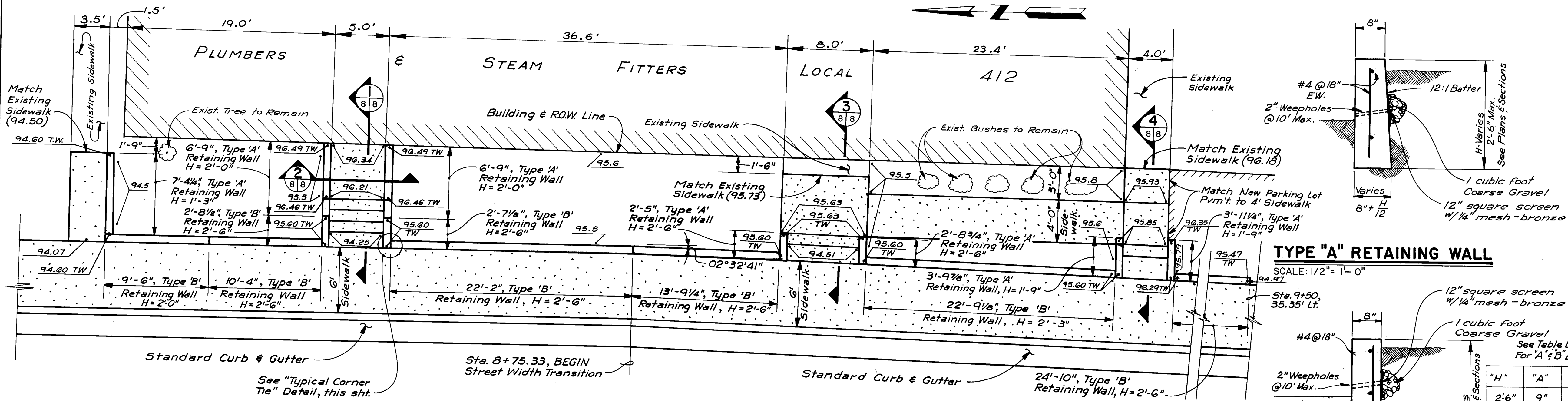
NO.	DATE

NO.	DATE

NO.	DATE

NO.	DATE

NO.	DATE



- NOTES:**
1. All Sidewalks, Footings and Stairs shall be placed upon 6" of Bed Course Material compacted to 95% AASHTO T-99 density. Bed Course Material shall be incidental to the item of which it is a part.
 2. Bronze Mesh Screen & Weepholes & Gravel shall be incidental to the Retaining Walls.

AS BUILT INFORMATION CONTRACTOR: J.H. Ryan & Son, Inc. WORK ORDER NO.: 5200.35 DATE: 9/24/84 CHECKED BY: J.M. DATE: 9/24/84 MICRO-FILM INFORMATION RECORDED BY: J.A. DATE: 9/24/84																									
BENCH MARKS ACS Sta. 5+K188 Elevation 5200.35 Standard Brass Cap in Median on Central Ave., 37.8' west of San Pedro Boulevard Centerline.																									
SURVEY INFORMATION FIELD NOTES: [Blank] BY: [Blank]																									
ENGINEER'S SEAL ANDREWS, ASBURY & ROBERT, INC. A PROFESSIONAL ENGINEERING FIRM 1000 UNIVERSITY AVENUE, N.E. ALBUQUERQUE, NEW MEXICO 87102																									
REVISIONS <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>9/24/84</td> <td>DESIGN</td> </tr> <tr> <td>2</td> <td>9/24/84</td> <td>DESIGN</td> </tr> </tbody> </table>		NO.	DATE	REMARKS	1	9/24/84	DESIGN	2	9/24/84	DESIGN															
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CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT INTERSECTION RECONSTRUCTION ZUNI ROAD & SAN PEDRO DRIVE NEW MEXICO PROJECT HES-0005(20) MISCELLANEOUS SECTIONS & DETAILS																									
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DRAWING NO. 1671																									
MAP NO. SHEET 8 OF 67																									

26 16710887
RECORD DRAWING

(B A S E B I D)

ITEM NO.	I T E M	UNIT OF MEASURE	GRAND TOTAL		(BASE BID)								I							S										
					E S T I M A T E				A F I N A L				E S T I M A T E				F I N A L													
					PARTICIPATING PROJECT COSTS								NON PARTICIPATING PROJECT COSTS (Water & Sewer)																	
					ZUNI RD. / SAN PEDRO DR. INT.		ZUNI RD. / LOUISIANA BLVD. INT.		TOTAL						ZUNI RD. / SAN PEDRO DR. INT.		ZUNI RD. / LOUISIANA BLVD. INT.						TOTAL							
			ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL	ESTIMATE	FINAL
202001	Removal of Structures & Obstruction	LS	Job		50%	2250 ²²	50%	2250 ²²	Job					Job	-0-		-0-		-0-			-0-								
202007	Removal & Disposal of Asphalt Pavement	SY	18290	18290	9240	9194	8370	8198	17610					17392	90	70	590	551	680			621								
202023	Removal & Disposal of Concrete Curb & Gutter	LF	4235		2230	2015	2005	1962	4235					3977	-0-		-0-		-0-			-0-								
202024	Removal & Disposal of Exist. Conc. Sidewalks Drive Pads & Pavement	SY	2850		1600	1529	1250	1207	2850					2736	-0-		-0-		-0-			-0-								
207001	Subgrade Preparation - G"	SY	10210		4260	4165	5950	5830	10210					9995	-0-		-0-		-0-			-0-								
207002	Subgrade Preparation 18"	SY	8700		5625	5502	2395	2337	8020					7839	90	70	590	551	680			621								
304001	4" Base Course - Class I	SY	7600		3050	2970	4550	4440	7600					7410	-0-	70	-0-		-0-			-0-								
308001	G" Cement Treated Base Class B	SY	8705		5625	5501	2400	2337	8025					7838	90	70	590	551	680			621								
401001	Plant Mix Bituminous Pavement -Asphalt Concrete - Type I, Grading "B"- 2½"	SY	10280		6430	6299	3170	3098	9600					9397	90	70	590	551	680			621								
401002	Plant Mix Bituminous Pavement-Asphalt Concrete-Type I, Grading"C"- 2"	SY	1570		660	636	910	881	1570					1517	-0-		-0-		-0-			-0-								
401003	Plant Mix Bituminous Pavement-Asphalt Concrete-Type I, Grading "C"- 1½"	SY	10270		6420	6296	3170	3098	9590					9394	90	70	590	551	680			621								
404001	Plant Mixed Seal Coat - ¾"	SY	13190		6575	6438	3625	3536	10200					9974	175	171	2815	2761	2990			2932								
407012	Asphalt for Tack Coat	Ton	14.20		8.10	0	4.00		12.10					0	0.1	0	2.00					-0-								
451004	Concrete Pavement 9"	SY	7600		3050	2970	4550	4440	7600					7410	-0-		-0-		-0-			-0-								
501312	18" Reinforced Concrete Pipe Class III	LF	140		140	138	-0-		140					138	-0-		-0-		-0-			-0-								
501905	18" Reinforced Concrete Pipe Elbow	Ea.	1		1		-0-		1					1	-0-		-0-		-0-			-0-								
501910	18"x18"x18" Reinforced Concrete Pipe Wye	Ea.	1		1		-0-		1					1	-0-		-0-		-0-			-0-								
503001	Portland Cement Concrete Class A Retaining Walls - Including Reinforcing Steel	CY	12		12	11.0	-0-		12					11	-0-		-0-		-0-			-0-								
608005	Concrete Sidewalk -4"	SY	1885		960	961	925	863	1885					1824	-0-		-0-		-0-			-0-								
608021	Drive Pad - G"	SY	925		475	435	450	418	925					853	-0-		-0-		-0-			-0-								
608100	Steps - Extra Cost to be Added to Cost of Sidewalk	Ea.	8		8		-0-		8					8	-0-		-0-		-0-			-0-								
609002	Standard Curb & Gutter	LF	3675		1975	1830	1700	1660	3675					3490	-0-		-0-		-0-			-0-								
609070	Concrete Valley Gutter Including Curb Return Fillets	SY	290		50	47	240	290						277	-0-		-0-		-0-			-0-								
609071	Header Curb	LF	120		50	0	70	52	120					102	-0-		-0-		-0-			-0-								
621001	Mobilization	LS	Job		50%		50%		100%					100%	0%		0%		0%			0%								
623050	Catch Basin Type "A"-Including Curb & Gutter Transition Section	Ea.	2		2		-0-		2					2	-0-		-0-		-0-			-0-								
623051	Catch Basin Type Single "D"-Including Curb & Gutter Transition Section	Ea.	1		1		-0-		1					1	-0-		-0-		-0-			-0-								
623052	Catch Basin Type Double "D" -Including Curb & Gutter Transition Section	Ea.	2		2		-0-		2					2	-0-		-0-		-0-			-0-								
660002	Trenching & Backfilling for 8"-15" San. Sewer, Less than 10' Trench Depth	LF	185		-0-		-0-		-0-					-0-	85	30	100	356	185			386								
660003	Trenching & Backfilling for 8"-15" San. Sewer, 10' to 12' Trench Depth	LF	1155		-0-		-0-		-0-					-0-	65	127	1090	812	1155			939								
660004	Trenching & Backfilling for 8"-15" San. Sewer, 12' and greater Trench Depth	LF	680		-0-		-0-		-0-					-0-	680	618	-0-		680			618								
660005	Trenching & Backfilling for 18" RCP Storm Sewer, All Depths	LF	140		140		-0-		140					140	-0-		-0-		-0-			-0-								
680001	8" VCP or PVC Pipe for San. Sewer	LF	545		-0-		-0-		-0-					-0-	85	45	460	453	545			498								
680002	12" VCP or PVC Pipe for San. Sewers	LF	750		-0-		-0-		-0-					-0-	25	24	725	710	750			734								
680003	15" VCP or PVC Pipe for San. Sewers	LF	720		-0-		-0-		-0-					-0-	720	712	-0-		720			712								
680004	Transfer Exist. Sewer Service Including 4" or 6" Tee	Ea.	35		-0-		-0-		-0-					-0-	8	6	27	12	35			18								
680005	4' Dia. San. Sewer Manhole, 0' to 6' Depth	Ea.	5		-0-		-0-		-0-					-0-	1		4		5			5								
680006	4' Dia. San. Sewer Manhole, Extra Depth beyond 6'	VF	28		-0-		-0-		-0-					-0-	8	6	20	18	28			24								
680007	6' Dia. San. Sewer Manhole, 0' to 6' Depth	Ea.	4		-0-		-0-		-0-					-0-	4		-0-		4			4								
680008	6' Dia. San. Sewer Manhole, Extra Depth beyond 6'	VF	25		-0-		-0-		-0-					-0-	25	24	-0-		25			24								
680009	8" Drop Connection for Sanitary Sewer Manhole	VF	9		-0-		-0-		-0-					-0-	9	-0-	-0-		9			24								
680010	Remove Exist. Sanitary Sewer-Trenching not Included	LF	1970		-0-		-0-		-0-					-0-	780	740	1190	1163	1970			1903								
680011	Remove Existing Manhole	Ea.	9		-0-		-0-		-0-					-0-	5		4		9			9								
680012	Adjust Existing Manhole to Grade	Ea.	7		5		2		7					7	-0-		-0-		-0-			9								
680013	Care of Sewage - Zuni/ San Pedro Intersection	LS	Job		-0-		-0-		-0-					-0-	Job		-0-		-0-			-0-								
680014	Care of Sewage - Zuni/ Louisiana Intersection	LS	Job		-0-		-0-		-0-					-0-	Job		-0-		-0-			Job								
681001	6" Resilient Seat Gate Valve with Valve Box	Ea.	5		2		1		3					-0-	-0-		Job		Job			Job								
681002	12" Resilient Seat Gate Valve with Valve Box	Ea.	2		-0-		-0-		-0-					3	-0-		2	1	2			1								
681003	8" DIP for Waterlines W/Trenching & Backfilling	LF	55		45	31	10	12	55					-0-	2	-0-	-0-		2			-0-								
681004	12" PVC or DIP for Waterlines W/Trenching & Backfilling	LF	800		-0-		-0-		-0-					43	-0-		-0-		-0-			-0-								
681005	Cast Iron Fittings for Waterlines Including Blocking	Lb.	2300		330		25		355					-0-	800				600			-0-								
681006	Relocate Existing Fire Hydrant	Ea.	2		1		1		2					2	-0-		-0-		-0-			-0-								
681007	CI Tapping Sleeves - 6"x6"x6" W/all jointing mtl. & Wet Tap	Ea.	2		1		1		2					2	-0-		-0-		-0-			-0-								
681008	Remove Exist. Water Line Including Valves & Fittings	LF	500		40		20		60					60	-0-		440	406	440			406								
681009	Adjust Exist. Water Valve Box to Grade	Ea.	8		3	5	5	6	8					11	-0-		-0-		-0-			-0-								
681010	Adjust Exist. Water Meter	Ea.	8		4	3	4	5	8					8	-0-		-0-		-0-			-0-								
681011	Relocate Exist. Water Meter	Ea.	10		9	8	1		10					9	-0-		-0-		-0-			-0-								
702000	Sign for Detours	SF	670		132		138	157	270					289	56		344	341	400			397								
702015	Barricade, Type III - B'	Ea.	28		5		6		11					11	4		13		17			17								
702045	Portable Sign Supports	Ea.	26		8	9	8		16					17	6		4		10			10								
702050	Channelization Device - Barrel Type 'B'	Ea.	140		35		37		72					72	25		43		68			68								
702003	Steel Posts & Base Posts for Detour Signs	LF			450	465	450	420	900					885																
704010	Reflectorized Painted Markings	LF	5000		2500	0	2500	0	5000					-0-	-0-		-0-		-0-			-0-								
704015	Adhesive Marking Tape for Construction Zones	LF	30800		15400	9894	15400	8030	30800					17924	-0-		-0-		-0-			-0-								
707009	Arterial Street Light Foundations	Ea.	22		15	17	7	8	22					25	-0-		-0-		-0-			-0-								
707010	Mass Arm Foundations, Type I	Ea.	8		4		4		8					8	-0-		-0-		-0-			-0-								
707011	Pedestal (SP) Foundation Type II	Ea.	4		2		2		4					4	-0-		-0-		-0-			-0-								
709015	Rigid Electric Conduit - 1"	LF	275		140	136	135	126	275					262	-0-		-0-		-0-			-0-								
709030	Rigid Electric Conduit - 2"	LF	2965		1665	1697	130																							

DRAWING NO.	1671	MAP NO.	K-18-7 1-18-7	SHEET	10	OF	67
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NOTE:
All items on this sheet are eligible for Federal participation unless indicated by *

ROQUE		
ARTMENT		
STRUCTION		
BOULEVARD		
- (20) \$500		
QUANTITIES		
OVERALS	ENGINEER	DATE
Waste	N/A RLF	7/26/84
	NA DWH	7/26/84
	N/A RLF	7/26/84
SHEET		OF
8-Z	11	67

RECORD DRAWING

NOTE :
All items on this sheet are
eligible for Federal participation

26 16711287
RECORD DRAWING

INTERSECTION RECONSTRUCTION
ZUNI ROAD AT SAN PEDRO DRIVE & LOUISIANA BLVD.
NEW MEXICO PROJECT HES-000S(20)
REMOVAL OF STRUCTURES & OBSTRUCTIONS

DRAWING NO.	1671	MAP NO.	SHEET	OF
		K-18-Z, L-18-Z	12	67

ESTIMATED SURFACING QUANTITIES

						PARTICIPATING		SUBGRADE PREPARATION		PLANT MIXED SEAL COAT				PLANT MIX BITUMINOUS PAVEMENT, TYPE I, GRADE 'C'				PLANT MIX BITUMINOUS PAVEMENT, TYPE I, GRADE 'B'				CEMENT TREATED BASE COURSE			PORTLAND CEMENT CONCRETE PAVEMENT			BASE COURSE			TACK COAT			
	LOC.	DESCRIPTION	STATION	STATION	LENGTH (L.F.)	YES	NO	WIDTH (FT.)	SQ. YD.	WIDTH (FT.)	DEPTH	SQ. YD.	TONS	WIDTH (FT.)	DEPTH	SQ. YD.	TONS	WIDTH (FT.)	DEPTH	SQ. YD.	TONS	WIDTH (FT.)	DEPTH	SQ. YD.	WIDTH (FT.)	DEPTH	SQ. YD.	WIDTH (FT.)	DEPTH	SQ. YD.	WIDTH (FT.)	SQ. YD.	CHECK	
ZUNI ROAD WEST OF SAN PEDRO DRIVE																																		
	Lt. & Rt.	New Pavement	2+64.92	2+95.00	30.08	✓		48.50 Avg.	162.10	48.50 Avg.	5/8"	162.10	7.54	48.50 Avg.	1 1/2"	162.10	13.34	48.50 Avg.	2 1/2"	162.10	22.24	48.50 Avg.	6"	162.10							48.50 Avg.	364.20		
	Lt. & Rt.	New Pavement	2+95.00	4+94.00	199.00	✓		53	1171.89	53	5/8"	1171.89	37.14	53	1 1/2"	1171.89	96.43	53	2 1/2"	1171.89	160.78	53	6"	1171.89							53	2343.78		
	Rt.	New Pavement - Cague Drive	2+98.88	3+26.88	28.00	✓		50	155.56	50	5/8"	155.56	4.93	50	1 1/2"	155.56	12.80	50	2 1/2"	155.56	21.34									50	311.12			
	Lt.	Parking Lot Pvm't	3+11.00	4+72.42	161.42	✓		5	89.68					5	2"	89.68	9.84																	
	Lt. & Rt.	New Pavement Transition Section	4+94.00	5+04.00	10.00	✓		53	58.89	53	5/8"	58.89	1.87	53	1 1/2"	58.89	4.85	53	1 1/2" Avg.	58.89	4.85 *				53	7" *	58.89	53	4"	58.89	53	117.78		
	Lt. & Rt.	New Pavement	5+04.00	6+43.75	139.75	✓		53	822.97															53	9"	822.97	53	4"	822.97					
	Lt.	Parking Lot Pvm't	5+39.00	5+92.00	53.00	✓		5	29.44					5	2"	29.44	3.23																	
	Rt.	Parking Lot Pvm't	5+53.50	5+87.00	33.50	✓		1	3.72					1	2"	3.72	0.41																	
	Rt.	Parking Lot Pvm't	5+87.00	6+16.00	29.00	✓		13.07 Avg.	42.11					13.07 Avg.	2"	42.11	4.62																	
	Lt.	Parking Lot Pvm't	5+92.00	6+14.00	22.00	✓		5.93 Avg.	14.50					5.93 Avg.	2"	14.50	1.59																	
	Lt.	Curb Return Fillet	5+94.12	6+21.39	27.27	✓			17.81															9"	17.81		4"	17.81						
	Rt.	Curb Return Fillet	5+95.33	6+21.99	26.69	✓			16.84															9"	16.84		4"	16.84						
TOTALS:								6"	1251.52				1548.44	51.48	2"	179.45	147.11		1548.44	209.21		1333.99		9/6.5/		9/6.5/			3136.88					
USE:								6"	1255				1550	52	2"	180	148		1550	210		1335		920		920			3140					
								12"	1335						1 1/2"	1550																		
ZUNI ROAD EAST OF SAN PEDRO DRIVE																																		
	Lt. & Rt.	New Pavement	6+43.74	8+00.00	156.26	✓		53	920.20														53	9"	920.20	53	4"	920.20						
	Lt.	Curb Return Fillet	6+73.31	7+04.91	31.60	✓			23.66															9"	23.66	5.77 Avg.	4"	23.66						
	Rt.	Curb Return Fillet	6+74.08	7+01.49	27.41	✓			18.06															9"	18.06		4"	18.06						
	Lt.	Parking Lot Pvm't	6+81.51	7+04.91	23.40	✓		6.41 Avg.	16.67					6.41 Avg.	2"	16.67	1.83																	
	Rt.	Parking Lot Pvm't	6+95.00	7+05.00	10.00	✓		7.07 Avg.	7.86					7.07 Avg.	2"	7.86	0.86																	
	Lt.	Parking Lot Pvm't	7+04.91	7+52.50	47.59	✓		5	26.44					5	2"	26.44	2.90																	
	Rt.	Parking Lot Pvm't	7+05.00	7+40.00	35.00	✓		5	19.44					5	2"	19.44	2.13																	
	Lt. & Rt.	New Pavement Transition Section	8+00.00	8+10.00	10.00	✓		53	58.89	53	5/8"	58.89	1.87	53	1 1/2"	58.89	4.85	53	1 1/2" Avg.	58.89	4.85 *				53	7" *	58.89	53	4"	58.89	53	117.78		
	Lt. & Rt.	New Pavement	8+10.00	8+72.00	62.00	✓		53	365.11	53	5/8"	365.11	11.57	53	1 1/2"	365.11	30.05	53	2 1/2"	365.11	50.09	53	6"	365.11						53	730.22			
	Lt.	Parking Lot Pvm't	8+25.00	9+48.50	123.50	✓		5	68.61					5	2"	68.61	7.53																	
	Lt. & Rt.	New Pavement	8+72.00	10+34.66	162.66	✓		49.34 Avg.	891.74	49.34 Avg.	5/8"	891.74	28.25	49.34 Avg.	1 1/2"	891.74	73.38	49.34 Avg.	2 1/2"	891.74	122.30	49.34 Avg.	6"	891.74						49.34 Avg.	1783.48			
	Lt.	Curb Return Fillet	9+62.75	9+80.43	17.68	✓		3.894 Avg.	7.65	3.894 Avg.	5/8"	7.65	0.24	3.894 Avg.	1 1/2"	7.65	0.63	3.894 Avg.	2 1/2"	7.65	1.05									3.91 Avg.	15.36			
	Rt.	Curb Return Fillet	9+64.44	9+76.44	12.00	✓		2.57 Avg.	3.43	2.57 Avg.	5/8"	3.43	0.11	2.57 Avg.	1 1/2"	3.43	0.28	2.57 Avg.	2 1/2"	3.43	0.47									2.58 Avg.	6.87			
	Rt.	Arizona Street	9+76.45	10+12.45	36.00	✓		52	208.00	52	5/8"	208.00	6.59	52	1 1/2"	208.00	17.12	52	2 1/2"	208.00	28.54									50	416.00			
	Lt.	Arizona Street	9+80.43	10+08.43	28.00	✓		52	161.78	52	5/8"	161.78	5.13	52	1 1/2"	161.78	13.31	52	2 1/2"	161.78	22.20									50	323.56			
	Lt.	Curb Return Fillet	10+08.42	10+29.53	21.11	✓		4.425 Avg.	10.38	4.425 Avg.	5/8"	10.38	0.34	4.425 Avg.	1 1/2"	10.38	0.87	4.425 Avg.	2 1/2"	10.38	1.45									4.52 Avg.	21.20			
	Rt.	Curb Return Fillet	10+12.45	10+34.66	22.21	✓		4.68 Avg.	11.55	4.68 Avg.	5/8"	11.55	0.37	4.68 Avg.	1 1/2"	11.55	0.95	4.68 Avg.	2 1/2"	11.55	1.58									4.68 Avg.	23.10			
	Rt.	Parking Lot Pvm't	10+21.08	10+38.20	17.12	✓		7.95 Avg.	15.12					7.95 Avg.	2"	15.12	1.66																	
	Lt.	New Pavement	10+34.66	10+94.00	59.34	✓		22.53 Avg.	148.55	22.53 Avg.	5/8"	148.55	4.72	22.53 Avg.	1 1/2"	148.55	12.27	22.53 Avg.	2 1/2"	148.55	20.44	22.53 Avg.	6"	148.55						22.53 Avg.	298.10			
	Rt.	Plant Mix Seal Coat	10+34.66	10+94.00	59.34	✓			22.00	5/8"	145.05	4.61																				145.54		
TOTALS:								6"	1577.74				2013.38	63.80	2"	154.14	170.62		1867.08	252.97		1405.40		1020.81		1020.81			3381.21					
USE:								6"	1405.40				2015	64	2"	155	171		1870	253		1410		1025		10.25			3885					
								12"	1410						1 1/2"	1860																		

NOTES:

1. SUBGRADE PREPARATION TO BE 6" EXCEPT WHERE * INDICATES TO BE 12".

2. PMSC & PMBP WILL BE MEASURED FOR PAYMENT BY THE SQUARE YARD, WEIGHT IN TONS IS FOR THE CONTRACTORS INFORMATION ONLY.

3. ★ TRANSITION PORTLAND CEMENT CONCRETE PAVEMENT WILL BE 7" THICK BUT SHALL BE PAID FOR UNDER BID ITEM CONCRETE PAVEMENT - 9" AND IS THEREFORE INCLUDED IN THAT ITEMS TOTALS.

BID ITEM PLANT MIX BITUMINOUS PAVEMENT - ASPHALT CONCRETE, TYPE I, GRADING B - 2 1/2" WILL VARY IN THICKNESS FROM 1 1/2" TO 2 1/2" OVER TRANSITION CONCRETE PAVEMENT (AVE 1 1/2") BUT SHALL BE PAID FOR BY THE SQUARE YARD UNDER THAT ITEM AND IS THEREFORE INCLUDED IN THAT ITEMS TOTALS.

26 1671/1387
RECORD DRAWING

CITY OF ALBUQUERQUE				TRANSPORTATION DEPARTMENT			
INTERSECTION RECONSTRUCTION ZUNI ROAD & SAN PEDRO DRIVE NEW MEXICO PROJECT HES-0005(20) ESTIMATED SURFACING QUANTITIES							
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE		
City Engineer	<i>[Signature]</i>	9/24/04	Liquid Waste	N/A	RUF	9/24/04	
A.C.E. - Design	<i>[Signature]</i>	9/24/04	Traffic	N/A	DWH	9/24/04	
A.C.E. - Hydrology	<i>[Signature]</i>	9/24/04	Water	N/A	RUF	9/24/04	
DRAWING NO.	1671	MAP NO.		SHEET	13	OF 67	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	J.H. Papp & Son Inc.	WORKED BY	Contractor	DATE	NO.		
INSPECTOR'S ACCEPTANCE	DATE	BY	DATE	NO.	DATE		
VERIFICATION BY	NMSHD	DATE	9-26	NO.	DATE	REVISIONS	
DATE	9-26	DATE	9-26	DATE	DATE		
MICRO-FILM INFORMATION		RECORDED BY		DESIGNED BY		DRAWN BY	

ESTIMATED SURFACING QUANTITIES

					PARTICIPATING		SUBGRADE PREPARATION		PLANT MIXED SEAL COAT				PLANT MIX BITUMINOUS PAVEMENT, TYPE I, GRADE 'C'				PLANT MIX BITUMINOUS PAVEMENT, TYPE I, GRADE 'B'				CEMENT TREATED BASE COURSE			PORTLAND CEMENT CONCRETE PAVEMENT			BASE COURSE			TACK COAT			
	LOC.	DESCRIPTION	STATION	STATION	LENGTH (L.F.)	YES	NO	WIDTH (FT.)	SQ. YD.	WIDTH (FT.)	DEPTH	SQ. YD.	TONS	WIDTH (FT.)	DEPTH	SQ. YD.	TONS	WIDTH (FT.)	DEPTH	SQ. YD.	TONS	WIDTH (FT.)	DEPTH	SQ. YD.	WIDTH (FT.)	DEPTH	SQ. YD.	WIDTH (FT.)	DEPTH	SQ. YD.	WIDTH (FT.)	SQ. YD.	CHECK
SAN PEDRO DRIVE NORTH OF ZUNI ROAD																																	
	Lt. & Rt.	Plant Mixed Seal Coat	2+83.00	3+17.91	34.91		✓			44	5/8"	170.67	5.41																		44	170.67	
	Lt. & Rt.	New Pavement	2+83.00	3+17.91	34.91		✓	18	69.82					18	1 1/2"	69.82	7.35	18	2 1/2"	69.82	12.24	18	6"	69.82							23	89.21	
	Lt. & Rt.	New Pavement	3+17.91	5+02.90	244.99	✓		49.06 Avg.	1335.47	49.06 Avg.	5/8"	1335.47	42.31	49.06 Avg.	1 1/2"	1335.47	109.90	49.06 Avg.	2 1/2"	1335.47	183.17	49.06 Avg.	6"	1335.47							49.06 Avg.	2671.10	
	Lt.	Parking Lot Pvm't.	3+06.00	6+30.00	264.00	✓		5	146.67					5	2"	146.67	16.09																
	Lt. & Rt.	New Pavement Transition Section	5+02.90	5+72.90	10.00	✓		52	57.78	52	5/8"	57.78	1.83	52	1 1/2"	57.78	4.75	52	1 1/2" Avg.	57.78	4.75	*			52	7"	57.78	52	4"	57.78	52	115.56	
	Rt.	Parking Lot Pvm't.	5+95.50	6+29.00	33.50	✓		5	18.61					5	2"	18.61	2.04																
	Lt. & Rt.	New Pavement	5+72.90	6+61.05	88.15	✓		52	509.31															52	9"	509.31	52	4"	509.31				
TOTALS:								6"	732.37					2"	165.28			1463.07	200.16		1405.29			567.09			567.09		3046.52				
USE:								12"	1405.29			1563.92	49.55	1 1/2"	1463.07			1405.29					570			570		3050					
								6"	735			1505	50	2"	170			1485	201		1425					570		570		3050			
								12"	1425					1 1/2"	1485																		
SAN PEDRO DRIVE SOUTH OF ZUNI ROAD																																	
	Lt. & Rt.	New Pavement	7+14.07	7+84.66	70.59	✓		52	407.85														52	9"	407.85	52	4"	407.85					
	Rt.	Parking Lot Pvm't.	7+42.00	7+94.66	31.66	✓		5	29.26					5	2"	17.59	1.93																
	Lt. & Rt.	New Pavement Transition Section	7+84.66	7+94.66	10.00	✓		52	57.78	52	5/8"	57.78	1.83	52	1 1/2"	57.78	4.75	52	1 1/2" Avg.	57.78	4.75			52	7"	57.78	52	4"	57.78	52	115.56		
	Lt. & Rt.	New Pavement	7+94.66	10+55.33	260.67	✓		49.24 Avg.	1426.15	49.24 Avg.	5/8"	1426.15	45.18	49.24 Avg.	1 1/2"	1426.15	117.36	49.24 Avg.	2 1/2"	1426.15	195.59	49.24 Avg.	6"	1426.15					49.24 Avg.	2852.18			
	Lt.	Parking Lot Pvm't.	9+24.48	10+22.00	97.52	✓		10	108.36					10	2"	108.36	11.89																
TOTALS:								6"	603.25					2"	125.95			1483.93	200.34		1426.15			465.63			465.63		2967.74				
USE:								12"	1426.15			1483.93	47.01	1 1/2"	1483.93			1483.93															
								6"	605			1485	47	2"	140			1485	201		1430						470		470		2970		
								12"	1430					1 1/2"	1485																		
ZUNI & SAN PEDRO INTERSECTION TOTALS:								6"	4175			6615	213	2"	645			6390	862		5600			2985			2985		13045				
								12"	5600					1 1/2"	6380																		
								6"	4260			6750	220	2"	660			6520	880		5715			3050			3050		13310	5Y			
								12"	5715					1 1/2"	6510														8.20	Tons			
Total Participating:								6"	4260			6575	214	2"	660			6430	867		5625			3050			3050		13220	5Y			
Total Non Participating:								12"	5625					1 1/2"	6420																		
								6"	0			175	6	2"	0			90	13		90			0			0		90	5Y			
								12"	90					1 1/2"	90														0.10	Tons			

NOTES:

- SUBGRADE PREPARATION TO BE 6" EXCEPT WHERE * INDICATES TO BE 12".
- PMSC & PMBP WILL BE MEASURED FOR PAYMENT BY THE SQUARE YARD. WEIGHT IN TONS IS FOR THE CONTRACTORS INFORMATION ONLY.
- * TRANSITION PORTLAND CEMENT CONCRETE PAVEMENT WILL BE 7" THICK BUT SHALL BE PAID FOR UNDER BID ITEM CONCRETE PAVEMENT - 9" AND IS THEREFORE INCLUDED IN THAT ITEMS TOTALS.

BID ITEM PLANT MIX BITUMINOUS PAVEMENT - ASPHALT CONCRETE, TYPE I, GRADING B - 2 1/2" WILL VARY IN THICKNESS FROM 1/2" TO 2 1/2" OVER TRANSITION CONCRETE PAVEMENT (AVE 1 1/2") BUT SHALL BE PAID FOR BY THE SQUARE YARD UNDER THAT ITEM AND IS THEREFORE INCLUDED IN THAT ITEMS TOTALS.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	J.H. Ryan & Son, Inc.	DATE		NO.			ANDREWS, ASBURY & ROBERT, INC. CONSULTING ENGINEERS ALBUQUERQUE, NEW MEXICO 87102
WORK BY	Contractor	DATE		NO.			
INSPECTOR'S		DATE		NO.			
ACCEPTANCE BY		DATE		NO.			
FIELD		DATE		NO.			
DRAWINGS		DATE		NO.			
CORRECTED BY		DATE		NO.			
RECORDED BY		DATE		NO.			

1 2 3 4 5 6 7 8 9 10 11
 26 16711487
RECORD DRAWING

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
INTERSECTION RECONSTRUCTION ZUNI ROAD & SAN PEDRO DRIVE NEW MEXICO PROJECT HES-0005(20) ESTIMATED SURFACING QUANTITIES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Title Sheet</i>		Liquid Waste	<i>E.B. Young</i>	7/26/84
A.C.E. - Design	<i>NA DWH</i>		Traffic	<i>NA DWH</i>	7/26/84
A.C.E. - Hydrology	<i>NA DWH</i>		Water	<i>NA DWH</i>	7/26/84
DRAWING NO.	1671	MAP NO.		SHEET	OF 67

ESTIMATED SURFACING QUANTITIES

					PARTICIPATING		SUBGRADE PREPARATION		PLANT MIXED SEAL COAT				PLANT MIX BITUMINOUS PAVEMENT, TYPE I, GRADE 'C'				PLANT MIX BITUMINOUS PAVEMENT, TYPE I, GRADE 'B'				CEMENT TREATED BASE COURSE			PORTLAND CEMENT CONCRETE PAVEMENT			BASE COURSE			TACK COAT				
	LOC.	DESCRIPTION	STATION	STATION	LENGTH (L.F.)	YES	NO	WIDTH (FT.)	SQ. YD.	WIDTH (FT.)	DEPTH	SQ. YD.	TONS	WIDTH (FT.)	DEPTH	SQ. YD.	TONS	WIDTH (FT.)	DEPTH	SQ. YD.	TONS	WIDTH (FT.)	DEPTH	SQ. YD.	WIDTH (FT.)	DEPTH	SQ. YD.	WIDTH (FT.)	DEPTH	SQ. YD.	WIDTH (FT.)	SQ. YD.	CHECK	
ZUNI ROAD WEST OF LOUISIANA BLVD.																																		
	Rt.	New Pavement	0+70.00	1+60.48	90.48	✓		2.44 Avg.	* 24.54					2.44 Avg.	1 1/2"	24.54	2.02	2.44 Avg.	2 1/2"	24.54	3.37	2.44 Avg.	6"	24.54							2.44 Avg.	24.54		
	Lt. & Rt.	Plant Mixed Seal Coat	0+70.00	1+60.48	90.48	✓				46.01 Avg.	5/8"	462.56	14.66					51.06 Avg.	5/8"	1074.06	88.39	51.06 Avg.	2 1/2"	1074.06	147.31	51.06 Avg.	6"	1074.06				46.01 Avg.	462.56	
	Lt. & Rt.	New Pavement	1+60.48	3+49.80	189.32	✓		51.06 Avg.	* 1074.06	51.06 Avg.	5/8"	1074.06	34.03	51.06 Avg.	1 1/2"	1074.06	88.39	51.06 Avg.	2 1/2"	1074.06	147.31	51.06 Avg.	6"	1074.06							51.06 Avg.	2148.12		
	Rt.	Kentucky Street	1+86.37	2+14.37	28.00	✓		50	155.56	50	5/8"	155.56	4.93	50	1 1/2"	155.56	12.80	50	2 1/2"	155.56	21.33										50	311.12		
	Lt.	Kentucky Street	1+86.42	2+14.42	28.00	✓		50	155.56	50	5/8"	155.56	4.93	50	1 1/2"	155.56	12.80	50	2 1/2"	155.56	21.33										50	311.12		
	Rt.	Parking Lot Pvm't.	2+23.00	2+41.00	18.00	✓		10.28 Avg.	20.56					10.28 Avg.	2"	20.56	2.26																	
	Rt.	Parking Lot Pvm't.	2+41.00	4+55.16	214.16	✓		9.85 Avg.	234.39					9.85 Avg.	2"	234.39	25.71																	
	Lt. & Rt.	New Pavement Transition Section	3+49.80	3+59.80	10.00	✓		52	57.78	52	3/8"	57.78	1.83	52	1 1/2"	57.78	4.75	52	1 1/2" Avg.	57.78	4.75*			52	7"	57.78*	52	4"	57.78	52	115.56			
	Lt. & Rt.	New Pavement	3+59.80	5+20.53	160.73	✓		52	928.66															52	9"	928.66	52	4"	928.66					
	Lt.	Parking Lot Pvm't.	3+63.00	4+58.00	95.00	✓		10	105.56					10	2"	105.56	11.58																	
	Rt.	Parking Lot Pvm't.	4+55.16	4+79.50	24.34	✓		5.85 Avg.	15.83					5.85 Avg.	2"	15.83	1.74																	
	Rt.	Curb Return Fillet	4+55.16	4+88.37	33.21	✓			26.59															9"	26.59		4"	26.59						
	Lt.	Parking Lot Pvm't.	4+58.00	4+83.00	25.00	✓		11.60 Avg.	32.22					11.60 Avg.	2"	32.22	3.54																	
	Lt.	Curb Return Fillet	4+60.64	4+90.54	29.90	✓		6.30 Avg.	20.80														6.30 Avg.	9"	20.80	6.30 Avg.	4"	20.80						
TOTALS:								6"	1753.51					2"	408.56	165.					1467.50	198.09			1099.27		1033.83		1033.83		3373.02			
USE:								6"	1098.60					2"	410	166					1470	199			1100		1040		1040		3375			
								12"	1100					1 1/2"	1470	166																		
ZUNI ROAD EAST OF LOUISIANA BLVD.																																		
	Lt. & Rt.	New Pavement	5+20.14	7+36.00	215.86	✓		51.95 Avg.	1246.10														51.95 Avg.	9"	1246.10	51.95 Avg.	4"	1246.10						
	Rt.	Curb Return Fillet	5+49.69	5+75.72	26.03	✓		5.53 Avg.	15.94														5.53 Avg.	9"	15.94	5.53 Avg.	4"	15.94						
	Lt.	Curb Return Fillet	5+52.69	5+86.94	34.25	✓		7.54 Avg.	28.56														7.54 Avg.	9"	28.56	7.54 Avg.	4"	28.56						
	Rt.	Parking Lot Pvm't.	5+57.63	5+78.50	20.87	✓		6.65 Avg.	15.42					6.65 Avg.	2"	15.42	1.69																	
	Lt.	Parking Lot Pvm't.	5+60.63	5+85.50	24.87	✓		5.93 Avg.	16.39					5.93 Avg.	2"	16.39	1.80																	
	Rt.	Parking Lot Pvm't.	5+78.50	6+93.00	114.50	✓		5	63.61					5	2"	63.61	6.98																	
	Lt.	Parking Lot Pvm't.	5+85.50	6+17.50	32.00	✓		5	17.78					5	2"	17.78	1.95																	
	Lt.	Parking Lot Pvm't.	6+57.00	6+96.40	39.40	✓		5	21.89					5	2"	21.89	2.40																	
	Lt. & Rt.	New Pavement Transition Section	7+36.00	7+46.00	10.00	✓		50.97 Avg.	56.63	50.97 Avg.	5/8"	56.63	1.79	50.97 Avg.	1 1/2"	56.63	4.66	50.97 Avg.	1 1/2" Avg.	56.63	4.66*			50.97 Avg.	7"	56.63*	50.97 Avg.	4"	56.63	50.97 Avg.	113.26			
	Lt. & Rt.	New Pavement	7+46.00	9+28.84	182.84	✓		47.39 Avg.	* 962.75	47.39 Avg.	5/8"	962.75	30.51	47.39 Avg.	1 1/2"	962.75	79.23	47.39 Avg.	2 1/2"	962.75	132.09	47.39 Avg.	6"	962.75						47.39 Avg.	1925.50			
	Rt.	Alcazar Street	8+40.89	8+68.89	28.00	✓		50	155.56	50	5/8"	155.56	4.93	50	1 1/2"	155.56	12.80	50	2 1/2"	155.56	21.33										50	311.12		
	Lt.	Alcazar Street	8+47.76	8+75.76	28.00	✓		13.46 Avg.	41.88	13.46 Avg.	5/8"	41.88	1.33	13.46 Avg.	1 1/2"	41.88	3.45	13.46 Avg.	2 1/2"	41.88	5.75										13.46 Avg.	83.75		
	Rt.	Parking Lot Pvm't.	8+70.93	9+28.84	57.91	✓			77.97						2"	77.97	8.55																	
	Lt.	Parking Lot Pvm't.	8+83.54	9+28.84	45.30	✓			26.67						2"	26.67	2.93																	
TOTALS:								6"	1784.40					2"	239.73	126.44					1216.82	163.83		962.75		1347.23		1347.23		2349.88				
USE:								12"	962.75					1 1/2"	1216.82	127					1220	164		965		1350		1350		2350				
								6"	1785					2"	240	127																		
								12"	965					1 1/2"	1220	127																		

- NOTES:
- SUBGRADE PREPARATION TO BE 6" EXCEPT WHERE * INDICATES TO BE 12".
 - PMSC & PMBP WILL BE MEASURED FOR PAYMENT BY THE SQUARE YARD, WEIGHT IN TONS IS FOR THE CONTRACTORS INFORMATION ONLY.
 - * TRANSITION PORTLAND CEMENT CONCRETE PAVEMENT WILL BE 7" THICK BUT SHALL BE PAID FOR UNDER BID ITEM CONCRETE PAVEMENT - 9" AND IS THEREFORE INCLUDED IN THAT ITEMS TOTALS.
- BID ITEM PLANT MIX BITUMINOUS PAVEMENT - ASPHALT CONCRETE, TYPE I, GRADING B - 2 1/2" WILL VARY IN THICKNESS FROM 1 1/2" TO 2 1/2" OVER TRANSITION CONCRETE PAVEMENT (AVE 1 1/2") BUT SHALL BE PAID FOR BY THE SQUARE YARD UNDER THAT ITEM AND IS THEREFORE INCLUDED IN THAT ITEMS TOTALS.

2616711587
RECORD DRAWING

AS BUILT INFORMATION		CONTRACTOR	J.H. Ryan & Son, Inc.	DATE	
BENCH MARKS		WORK BY	Contractor	DATE	
SURVEY INFORMATION		FIELD NOTES	NO.	BY	DATE
ENGINEER'S SEAL		REVISIONS	NO.	DATE	
DESIGNED BY		DESIGN	J/V	DATE	
DRAWN BY		CHECKED BY	J/A	DATE	



ANDREWS, ASBURY & ROBERT, INC.
ALBUQUERQUE, NEW MEXICO 87102

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
INTERSECTION RECONSTRUCTION ZUNI ROAD & LOUISIANA BOULEVARD NEW MEXICO PROJECT HES-0005(20) ESTIMATED SURFACING QUANTITIES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	See John Asbury		Liquid Waste	N/A RUC	9/26/04
A.C.E. - Design	See John Asbury	9/26/04	Traffic	N/A DWH	9/26/04
A.C.E. - Hydrology	See John Asbury	9/26/04	Water	N/A RUC	9/26/04

DRAWING NO.	1671	MAP NO.		SHEET	15	OF	67
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ESTIMATED SURFACING QUANTITIES

					PARTICIPATING		SUBGRADE PREPARATION		PLANT MIXED SEAL COAT				PLANT MIX BITUMINOUS PAVEMENT, TYPE I, GRADE 'C'				PLANT MIX BITUMINOUS PAVEMENT, TYPE I, GRADE 'A'				CEMENT TREATED BASE COURSE				PORTLAND CEMENT CONCRETE PAVEMENT				BASE COURSE			TACK COAT					
	LOC.	DESCRIPTION	STATION	STATION	LENGTH (L.F.)	YES	NO	WIDTH (FT.)	SQ.YD.	WIDTH (FT.)	DEPTH	SQ.YD.	TONS	WIDTH (FT.)	DEPTH	SQ.YD.	TONS	WIDTH (FT.)	DEPTH	SQ.YD.	TONS	WIDTH (FT.)	DEPTH	SQ.YD.	WIDTH (FT.)	DEPTH	SQ.YD.	WIDTH (FT.)	DEPTH	SQ.YD.	WIDTH (FT.)	SQ.YD.	CHECK				
LOUISIANA BLVD. NORTH OF ZUNI ROAD																																					
	Lt. & Rt.	Pipe Trench	-(2+23.00)	0+56.00	279.00		✓	13	403.00					13	1 1/2"	403.00	33.16	13	2 1/2"	403.00	55.27	13	6"	403.00							13	403.00					
	Lt. & Rt.	Plant Mixed Seal Coat	-(2+23.00)	0+56.00	279.00		✓			62	5/8"	1922.00	60.90																		62	1922.00					
	Rt.	Parking Lot Pvm't.	0+50.00	1+16.00	66.00	✓		5	36.67					5	2"	36.67	4.02																				
	Lt. & Rt.	New Pavement	0+56.00	0+76.00	20.00	✓		62	137.78	62	5/8"	137.78	4.37	62	1 1/2"	137.78	11.34	62	2 1/2"	137.78	18.90	62	6"	137.78							62	275.56					
	Lt. & Rt.	New Pavement Transition Section	0+76.00	0+86.00	10.00	✓		62	68.89	62	5/8"	68.89	2.18	62	1 1/2"	68.89	5.67	62	1 1/2" Avg.	68.89	5.67	*			62	7"*	68.89	62	4"	68.89	62	137.78					
	Lt.	Parking Lot Pvm't	0+76.00	0+81.00	5.00	✓		5	2.78					5	2"	2.78	0.31																				
	Lt. & Rt.	New Pavement	0+86.00	1+97.38	111.38	✓		62	767.28															62	9"	767.28	62	4"	767.28								
	Lt.	Parking Lot Pvm't.	0+87.00	1+20.00	33.00	✓		5	18.33					5	2"	18.33	2.01																				
	Rt.	Parking Lot Pvm't.	1+24.00	1+62.00	38.00	✓		5	21.11					5	2"	21.11	2.32																				
	Lt.	Parking Lot Pvm't.	1+48.00	1+61.50	13.50	✓		5	7.50					5	2"	7.50	0.82																				
TOTALS:								6"	922.56			2128.67	67.45		2"	86.39	59.65		609.67	79.84		540.78		836.17		836.17		2738.34									
USE:								12"	540.78			2130	68		1 1/2"	609.67			610	80		550		840		840		2740									
								6"	925						2"	90	60																				
								12"	540						1 1/2"	610																					
LOUISIANA BLVD. SOUTH OF ZUNI ROAD																																					
	Lt. & Rt.	New Pavement	2+49.75	4+17.28	167.53	✓		62	1154.10															62	9"	1154.10	62	4"	1154.10								
	Lt.	Parking Lot Pvm't.	2+79.00	2+96.50	17.50	✓		5	9.72					5	2"	9.72	1.07																				
	Rt.	Parking Lot Pvm't.	2+89.00	4+27.28	138.28	✓		5	76.82					5	2"	76.82	8.43																				
	Lt.	Parking Lot Pvm't.	3+19.00	4+27.28	108.28	✓		5	60.16					5	2"	60.16	6.60																				
	Lt. & Rt.	New Pavement Transition Section	4+17.28	4+27.28	10.00	✓		62	68.89	62	5/8"	68.89	2.18	62	1 1/2"	68.89	5.67	62	1 1/2" Avg.	68.89	5.67	*			62	7"*	68.89	62	4"	68.89	62	137.78					
	Lt. & Rt.	New Pavement	4+27.28	4+47.28	20.00	✓		62	137.78	62	5/8"	137.78	4.37	62	1 1/2"	137.78	11.34	62	2 1/2"	137.78	18.90	62	6"	137.78							62	275.56					
	Lt.	Pipe Trench	4+47.28	5+69.00	121.72		✓	13	175.82					13	1 1/2"	175.82	14.47	13	2 1/2"	175.82	24.11	13	6"	175.82							13	175.82					
	Lt. & Rt.	Plant Mixed Seal Coat	4+47.28	5+69.00	121.72	✓		62	5/8"	838.52	2875																				62	838.52					
TOTALS:								6"	1369.69			1045.19	35.30		2"	146.70	47.58		382.49	48.68		313.60		1222.99		1222.99		1427.58									
USE:								12"	313.60					1 1/2"	382.49			385	49		315		1225		1225		1430										
								6"	1370			1050	36		2"	150	48																				
								12"	315					1 1/2"	385																						
ZUNI & LOUISIANA INTERSECTION TOTALS:								6"	5835			6310	204		2"	890	401		3685	492		2930		4455		4455		9895									
USE:								12"	2925			6440	208		1 1/2"	3685			3760	502		2990		4550		4550		10100 SY									
								6"	5950					2"	910	361												6695 SY									
								12"	2395			3625	117		1 1/2"	3170	361		3170	421		2400		4550		4550		4005 SY									
								6"	-0-			2815	91		2"	-0-	49		590	81		590		-0-		-0-		2005 SY									
								12"	590					1 1/2"	590																						
CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT INTERSECTION RECONSTRUCTION ZUNI ROAD & LOUISIANA BOULEVARD NEW MEXICO PROJECT: HES-0005(20) ESTIMATED SURFACING QUANTITIES																																					
APPROVALS		ENGINEER		DATE		APPROVALS		ENGINEER		DATE																											
City Engineer		See Job Sheet		9/26/04		Liquid Waste		N/A		RGP		9/26/04																									
A.C.E. - Design		H.C. 1/2/04		9/26/04		Traffic		N/A		DWH		9/26/04																									
A.C.E. - Hydrology																																					

Standard Curb & Gutter
Concrete Sidewalk - 4"
Concrete Valley Gutter
Concrete Drive Pads - 6" Including Transitions
Catch Basin - Type 'A'
Catch Basin - Type Single 'D'
Catch Basin - Type Double 'D'
18" RCP - Class III
18"x18"x18" RCP Wye
18" RCP Elbow
Trenching & Backfilling All Depths Storm Sewer - Mast Arm Foundation - Type I
Pedestal (SP) Foundation - Type II
Controller Foundation - Type II
Rigid Electrical Conduit - 1"
Rigid Electrical Conduit - 2"
Electrical Pull Box
Install City Furnished Traffic Detector
Arterial Street Light Foundation
Header Curb
Concrete for Retaining Walls Including Reinf. Steel Incl. Nosing & Reinf. Added to Cost of Sidewalk (Horizontal Projection)
Adjust Exist Water Meter Relocate Exist Water Meter
Adjust Exist Valve Box
Adjust Exist Manhole

AS BUILT	INFORMATION
CONTRACTOR <i>J.H. Ryan & Son Inc.</i>	
WORK INSTALLED BY	<i>Contractor</i>
INSPECTORS ACCEPTANCE BY	DATE
VERIFICATION BY	DATE <i>9-86</i>
DRAWINGS CORRECTED BY	DATE <i>9-86</i>
RECORDED BY	DATE
NO	

[illegible]

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

**INTERSECTION RECONSTRUCTION
ZUNI ROAD & SAN PEDRO DRIVE
NEW MEXICO PROJECT HES-000S(20)
STRUCTURAL QUANTITIES**

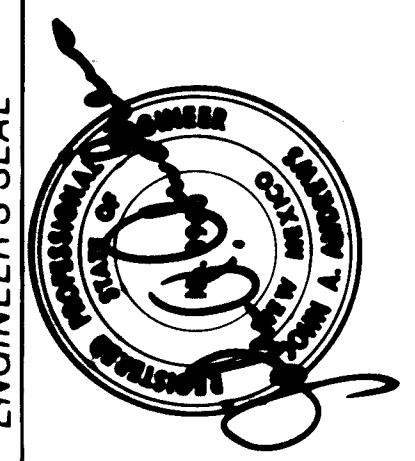
STRUCTURAL QUANTITIES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Fifth Sheet</i>		Liquid Waste	N/A RGF	9/26/84
ACE-Design	<i>AC/Una</i>	9/26/84	Traffic	NA DWH	9/26/84
ACE-Hydrology	<i>Dr. Hosen</i>	9/26/84	Water	N/A RGF	9/26/84

DRAWING NO.	1671	MAP NO.	SHEET	OF
		K-18-Z. L-18-Z	17	67

AS BUILT INFORMATION	
CONTRACTOR	J.H. Ryan & Son Inc.
WORK ORDER NO.	0
DATE	
CONTRACTOR	
DATE	
RECEIVED BY	
FIELD	
IDENTIFICATION BY	NMSHD
DATE	9-86
DRAWINGS	
CORRECTED BY	AAFR
DATE	9-86
MICRO-FILM INFORMATION	
RECORDED BY	
DATE	
	0

BENCH MARKS

SURVEY INFORMATION
FIELD NOTES

[illegible]

26 1671887
RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

**INTERSECTION RECONSTRUCTION
ZUNI ROAD & SAN PEDRO DRIVE
NEW MEXICO PROJECT HES-000S(20)
STRUCTURAL QUANTITIES**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Lee Tittle</i>	<i>8/26/84</i>	Liquid Waste	<i>N/A RGF</i>	<i>9/26/84</i>
ACE - Design	<i>KL</i>	<i>9/26/84</i>	Traffic	<i>NA DMH</i>	<i>9/26/84</i>
ACE - Hydrology	<i>KL</i>	<i>9/26/84</i>	Water	<i>N/A RGF</i>	<i>9/26/84</i>

DRAWING NO.	1671	MAP NO.	SHEET	OF	
		K-18-Z, L-18-Z	18		67

Note :
All Items this Sheet are
Eligible for Participation

1 2 3 4 5 6 7 8 9 10 11 12
26 16711987

RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

**INTERSECTION RECONSTRUCTION
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-000S(20)
STRUCTURAL QUANTITIES**

APPROVALS		ENGINEER	DATE	APPROVALS		ENGINEER	DATE
City Engineer		<i>Lee Fitch</i>	<i>9/25/94</i>	Liquid Waste		<i>N/A</i>	<i>RGF</i> <i>9/26/94</i>
A C E -Design		<i>N/O</i>	<i>9/25/94</i>	Traffic		<i>N/A</i>	<i>DWH</i> <i>9/26/94</i>
A C E -Hydrology		<i>Don Hagan</i>	<i>9/26/94</i>	Water		<i>N/A</i>	<i>RGF</i> <i>9/26/94</i>

DRAWING NO.	1671	MAP NO.	K-18-Z, L-18-Z	SHEET	19	OF	67
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Note :
All Items this Sheet are
Eligible for Participation

ENGINEER'S SEAL

REGISTERED PROFESSIONAL ENGINEER
STATE OF NEW MEXICO
No. 14394
J. A. HERNANDEZ

82-292

1 2 3 4 5 6 7 8 9 10 11 12
26 / 67 / 2087

RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT
INTERSECTION RECONSTRUCTION
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-000S(20)
STRUCTURAL QUANTITIES

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Title Sheet</i>		Liquid Waste	N/A RSC	9/26/84
A & E Design	<i>4/10/84</i>	<i>9/16/84</i>	Traffic	NA DWH	9/26/84
A & E Hydrology	<i>Dr. Hagan</i>	<i>9/24/84</i>	Water	N/A RGF	9/26/84

DRAWING NO.	1671	MAP NO.	SHEET	OF	
		K-18-Z, L-18-Z	20	67	

STRUCTURAL QUANTITIES

Note:
All Items this Sheet are
Eligible for Participation

[illegible][illegible]

*Note:
No Items on this Sheet are
Eligible for Federal Participation
Except those Specifically
Indicated.*

RECORD DRAWING

INTERSECTION RECONSTRUCTION
ZUNI ROAD & SAN PEDRO DRIVE
NEW MEXICO PROJECT HES-000S(20)
ESTIMATED UTILITY QUANTITIES

DRAWING NO.	1671	MAP NO.	SHEET 22 OF 67
		K-18-Z, L-18-Z	

NOTES:

1. No Items on this sheet are Eligible for Federal Participation except those specifically indicated.
2. "B" Designates "Base Bid Only".
3. "A" Designates "Alternate Bid Only".

1	2	3	4	5	6	7	8	9	10	11	12
2	6	1	6	7	1	2	3	8	7		

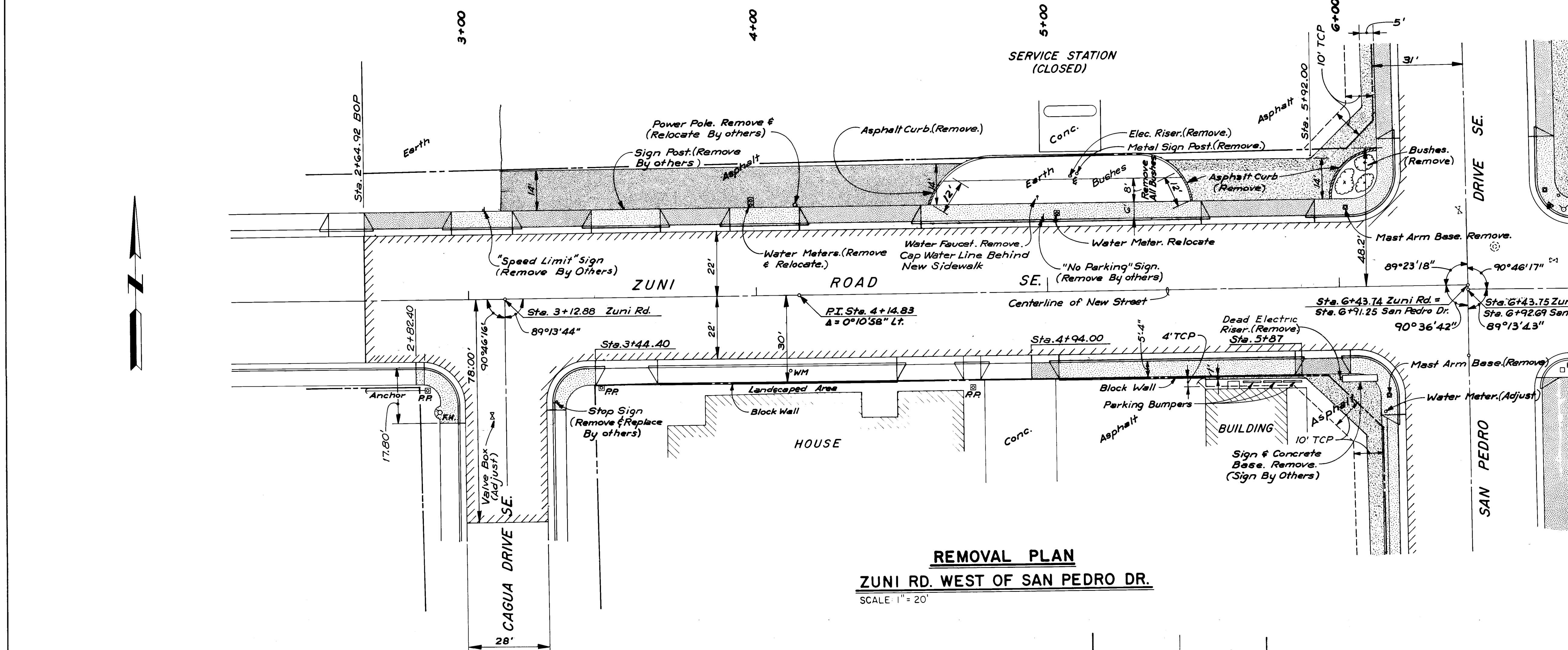
RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

**INTERSECTION RECONSTRUCTION
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-000S(20)
ESTIMATED UTILITY QUANTITIES**

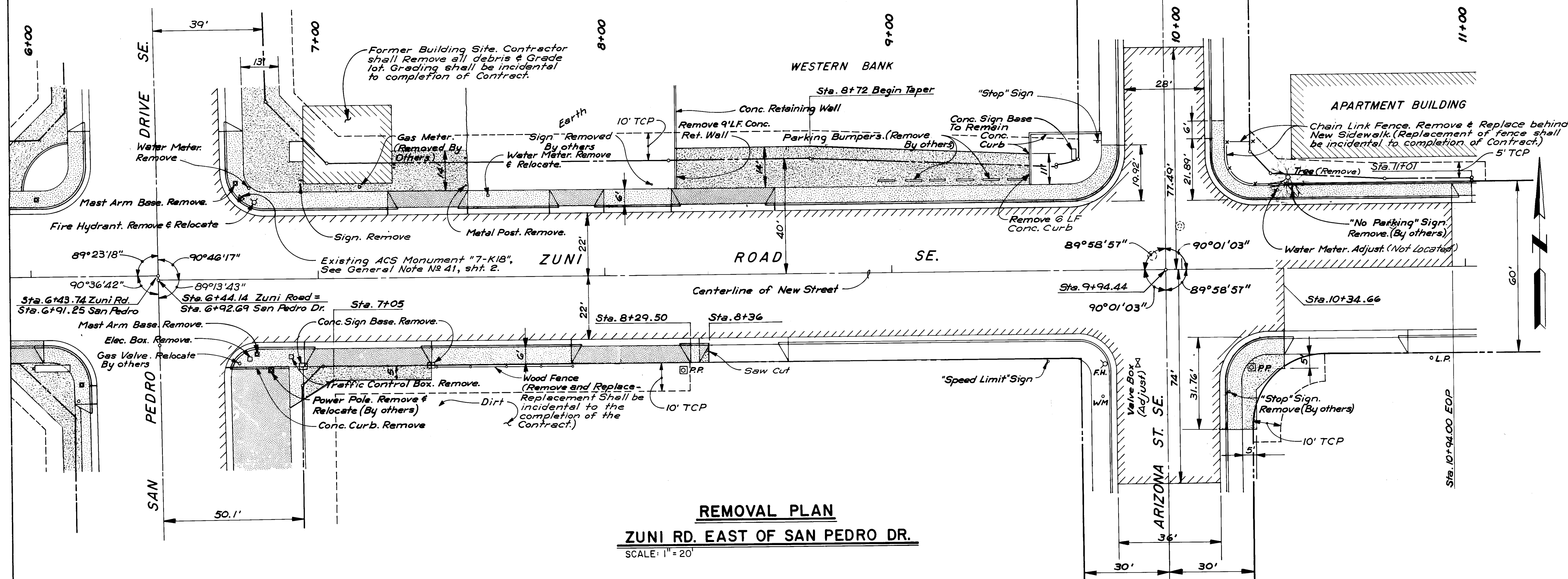
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Nee Fitt</i>	<i>9/26/84</i>	Liquid Waste	<i>R.H. Jaugh</i>	<i>9/26/84</i>
A C E - Design	<i>H. Oka</i>	<i>9/26/84</i>	Traffic	<i>NA DWH</i>	<i>9/26/84</i>
A C E - Hydrology	<i>Don Miller</i>	<i>9/26/84</i>	Water	<i>R.H. Jaugh</i>	<i>9/26/84</i>

DRAWING NO.	1671	MAP NO.	K-18-Z. 1-18-Z	SHEET	23	OF	67
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REMOVAL PLAN
ZUNI RD. WEST OF SAN PEDRO DR.

SCALE: 1" = 20'



REMOVAL PLAN
ZUNI RD. EAST OF SAN PEDRO DR.

SCALE: 1" = 20'

LEGEND

- | | |
|---|--|
|  | <i>Remove Existing Concrete Sidewalk</i> |
|  | <i>Remove Existing Asphalt Concrete Pavement</i> |
|  | <i>Remove Existing Concrete Driveway</i> |
|  | <i>Remove Existing Concrete Curb & Gutter</i> |
|  | <i>Remove Existing Parking Lot Asphalt Concrete Pavmt.</i> |

See General Note 3, sht. 2.

[illegible]

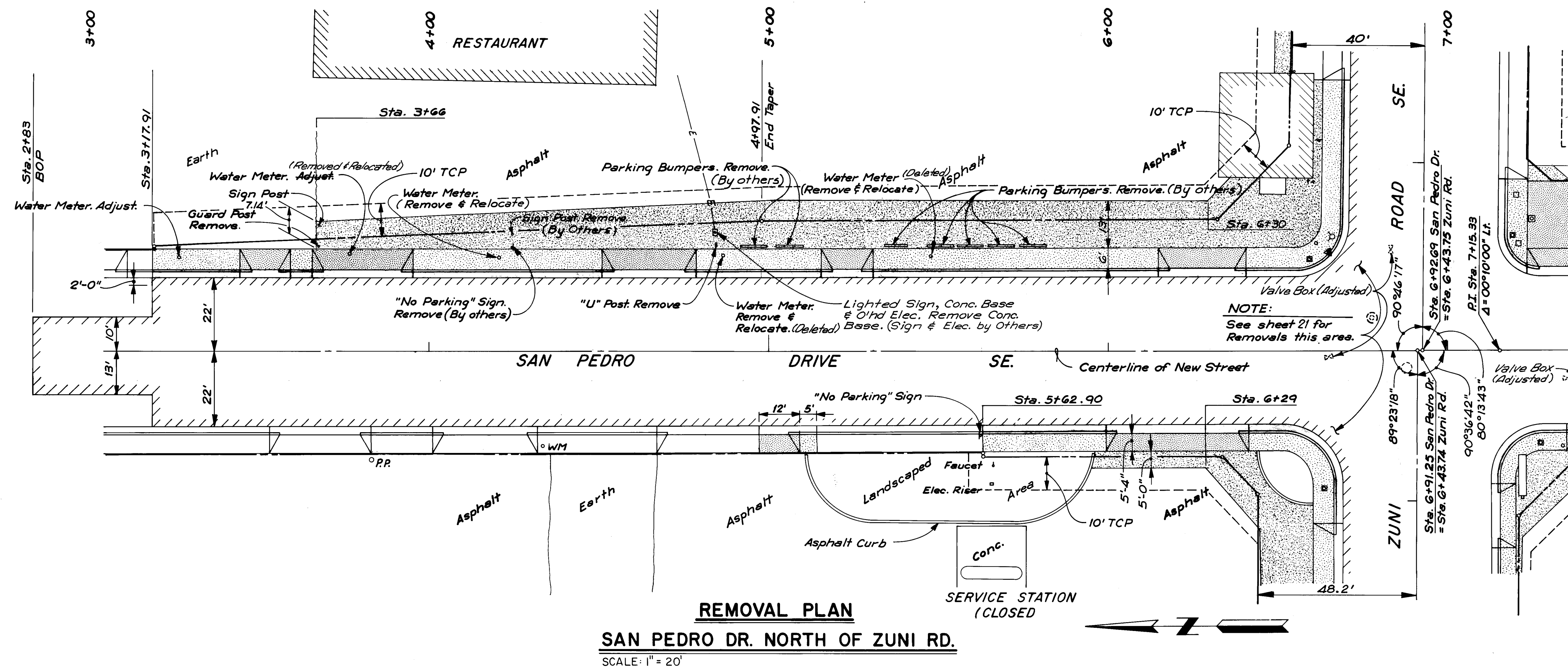
26 16712487
RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

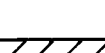
INTERSECTION RECONSTRUCTION
ZUNI ROAD & SAN PEDRO DRIVE
NEW MEXICO PROJECT HES-000S(20)
REMOVAL PLAN - ZUNI RD. STA. 21+64.92 TO STA. 10+94.00

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Lee J. Hill</i>	<i>9/24/87</i>	Liquid Waste	<i>R.D. Langford</i>	<i>9/24/87</i>
A.C.E - Design	<i>W. Hill</i>	<i>9/24/87</i>	Traffic	<i>David W. Hume</i>	<i>9/26/87</i>
A.C.E - Hydrology	<i>Do Hume</i>	<i>9/26/87</i>	Water	<i>R.D. Langford</i>	<i>9/26/87</i>

DRAWING NO.	1671	MAP NO.	K-18-Z, L-18-Z	SHEET	24	OF	67
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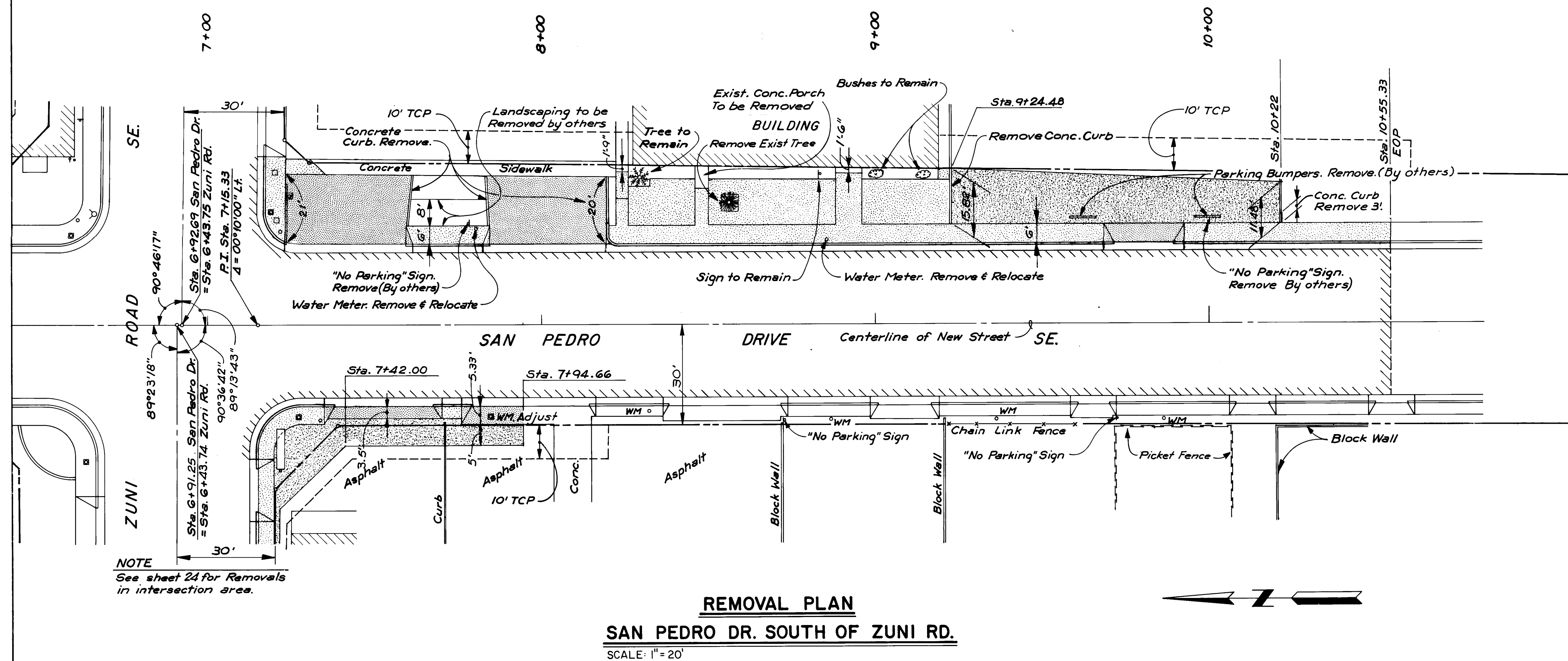


LEGEND

	<i>Remove Existing Concrete Sidewalk</i>
	<i>Remove Existing Asphalt Concrete Pavement</i>
	<i>Remove Existing Concrete Driveway</i>
	<i>Remove Existing Concrete Curb & Gutter</i>
	<i>Remove Existing Parking Lot Asphalt Conc. Pymt.</i>

See General Note 3, sht. 2.

SURVEY INFORMATION		BENCH MARKS	AS BUILT INFORMATION	
NO.	FIELD NOTES BY DATE		CONTRACTOR	WORK ORDER BY CONTRACTOR INSPECTOR'S ACCEPTANCE BY DATE FIELD VERIFICATION BY DATE DRAWINGS CORRECTED BY DATE
		ACS Sta. 5+188, Elevation 5290.35 Standard Brass Cap in median on Central Ave. 37.8' West of San Pedro Drive centerline.	J.H. Ryan & Son, Inc.	
				DATE 9-86
				DATE 9-86
				MICRO-FILM INFORMATION
				RECORDED BY DATE
				NO.

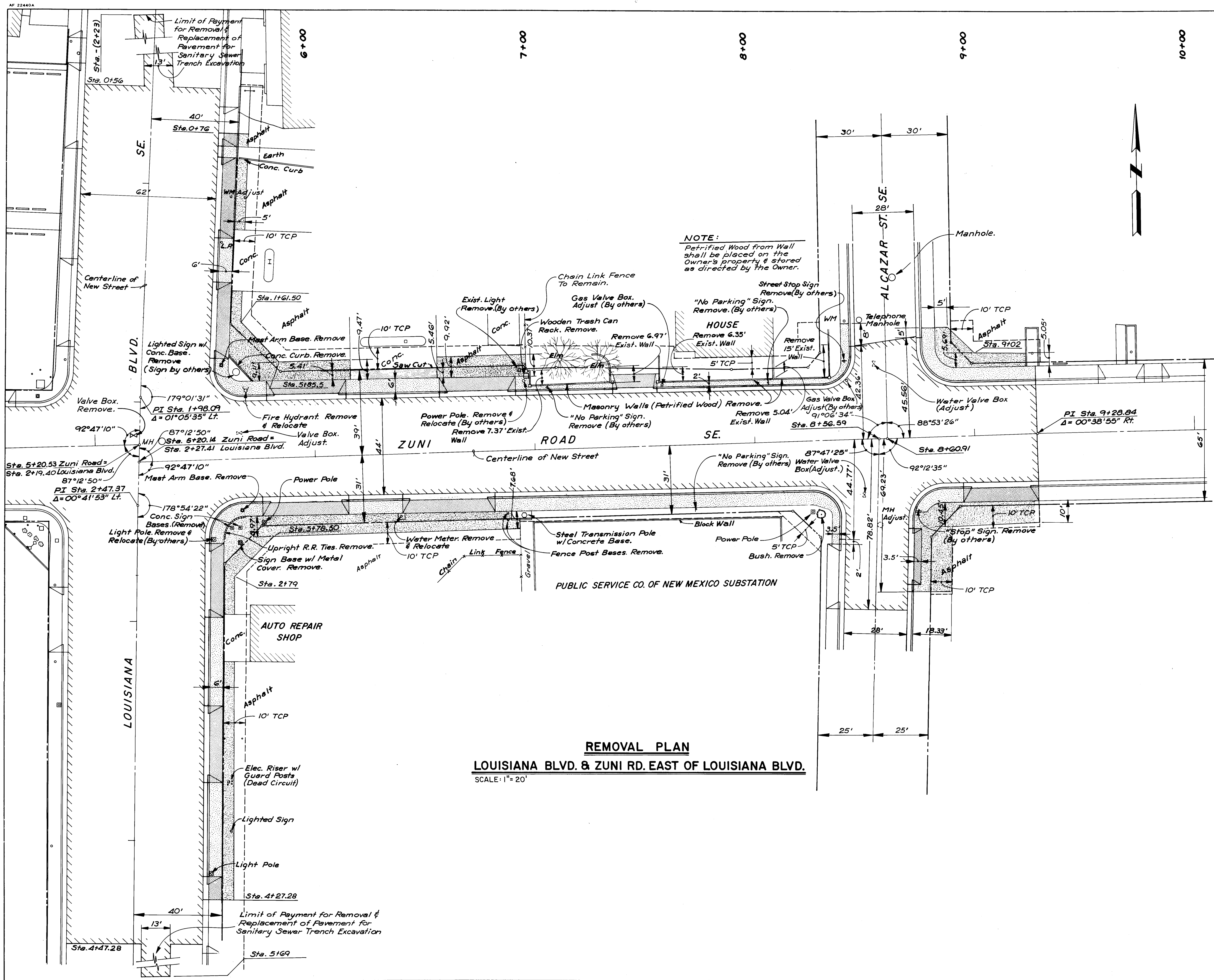


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RECORD DRAWING

CITY OF ALBUQUERQUE				
TRANSPORTATION DEPARTMENT				
INTERSECTION RECONSTRUCTION ZUNI ROAD & SAN PEDRO DRIVE NEW MEXICO PROJECT HES-0005120				
REMOVAL PLAN- SAN PEDRO DR. STA. 2+83.00 TO STA. 10+55.33				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
City Engineer	<i>See Fifth Sheet</i>		Liquid Waste	<i>7/26/87</i>
A.C.E.-Design	<i>4/1/88</i>	<i>7/26/87</i>	Traffic	<i>David W. Hume</i>
A.C.E.-Hydrology	<i>Alan Hays</i>	<i>7/26/87</i>	Water	<i>7/26/87</i>
DRAWING NO. 1671		MAP NO. K-18-Z, L-18-Z	SHEET 25 OF 67	



CITY OF ALBUQUERQUE					
TRANSPORTATION DEPARTMENT					
INTERSECTION RECONSTRUCTION					
ZUNI ROAD & LOUISIANA BOULEVARD					
NEW MEXICO PROJECT HES-0005(20)					
REMOVAL PLAN - ZUNI RD. STA. I160.48 TO STA. 5+20.14					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Title Sheet</i>		Liquid Waste	N/A RGF	9/26/84
A.C.E - Design	<i>See Title Sheet</i>	9/26/84	Traffic	David W. Hume	9/26/84
A.C.E - Hydrology	<i>See Title Sheet</i>	9/26/84	Water	N/A RGF	9/26/84
DRAWING NO.	1671		MAP NO.	SHEET OF	
		K-18-Z, L-18-Z		26	67



LEGEND

- Remove Existing Concrete Sidewalk
- Remove Existing Asphalt Concrete Pavement
- Remove Existing Concrete Driveway
- Remove Existing Concrete Curb & Gutter
- Remove Existing Parking Lot Asphalt Conc. Pvmnt.

See General Note 3, sht. 2.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	DATE	NO.	DATE	NO.	DATE
J.H. Ryan & Son Inc.		ACS Sta. 7+K19					
		Standard Elev Cap in median on					
		Central Ave 65.5' East of Louisiana					
		Blvd. centerline.					

REVISIONS

NO.	DATE	REVISIONS

DESIGN

DESIGNED BY	DATE

DRAWN BY

	DATE

CHECKED BY

	DATE

RECORD DRAWING

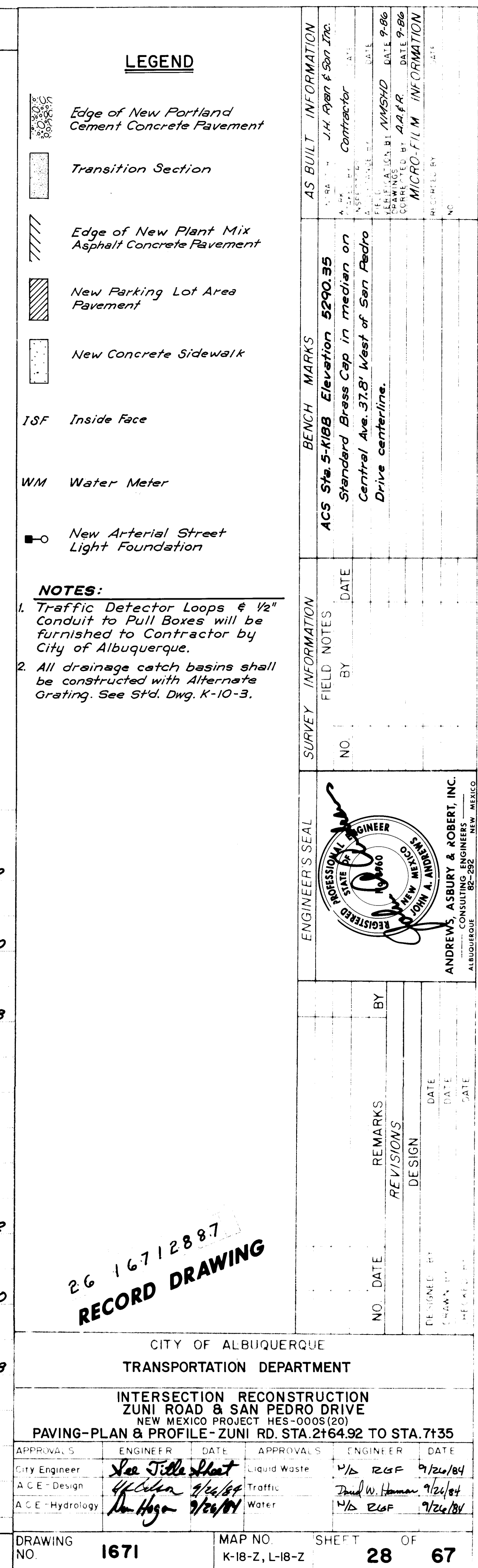
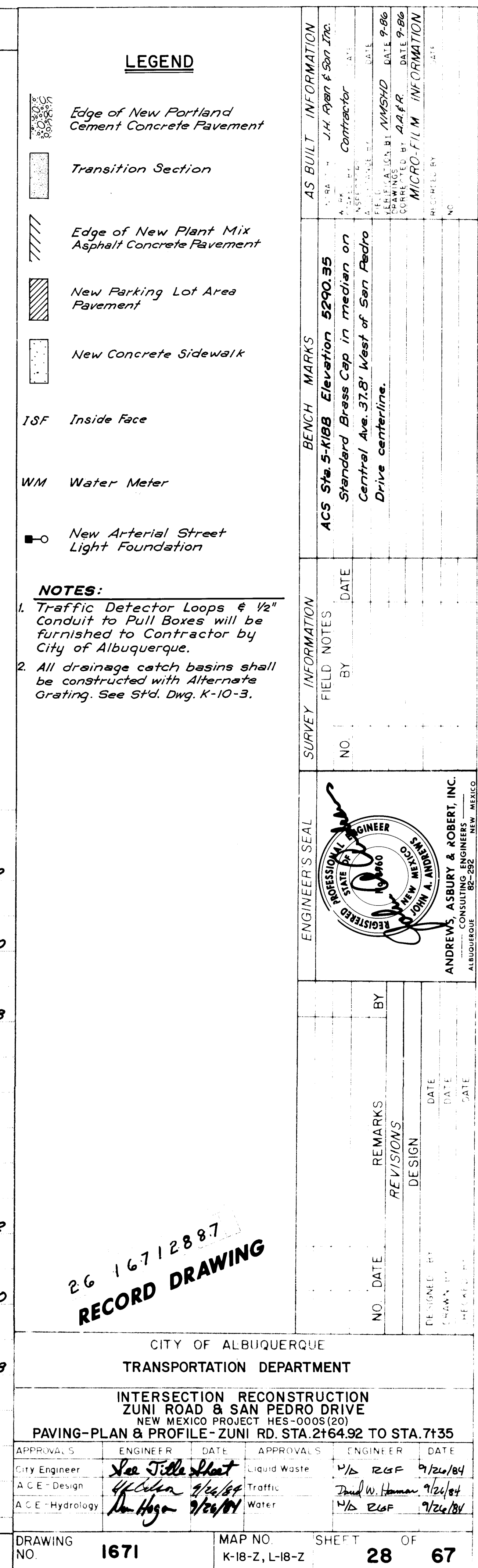
26 16712787

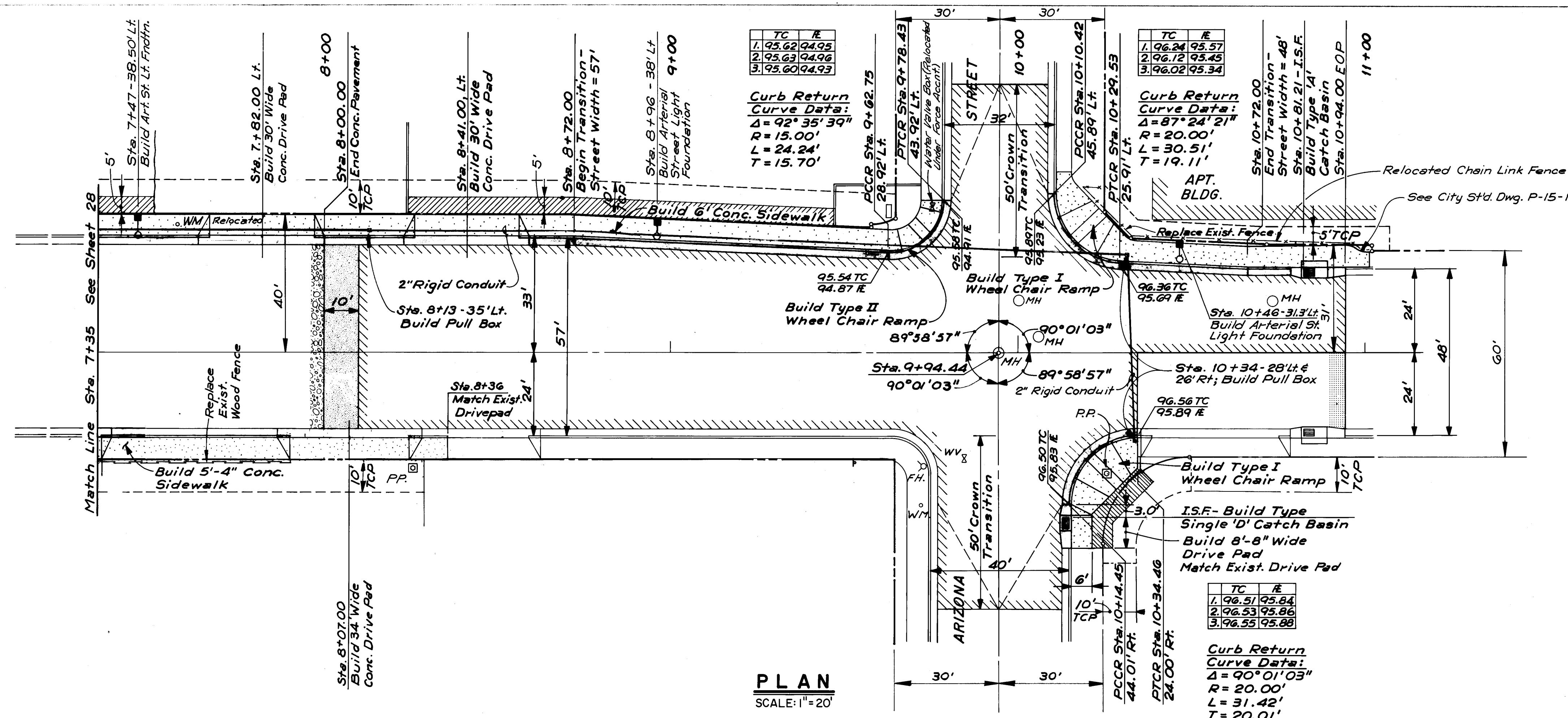
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

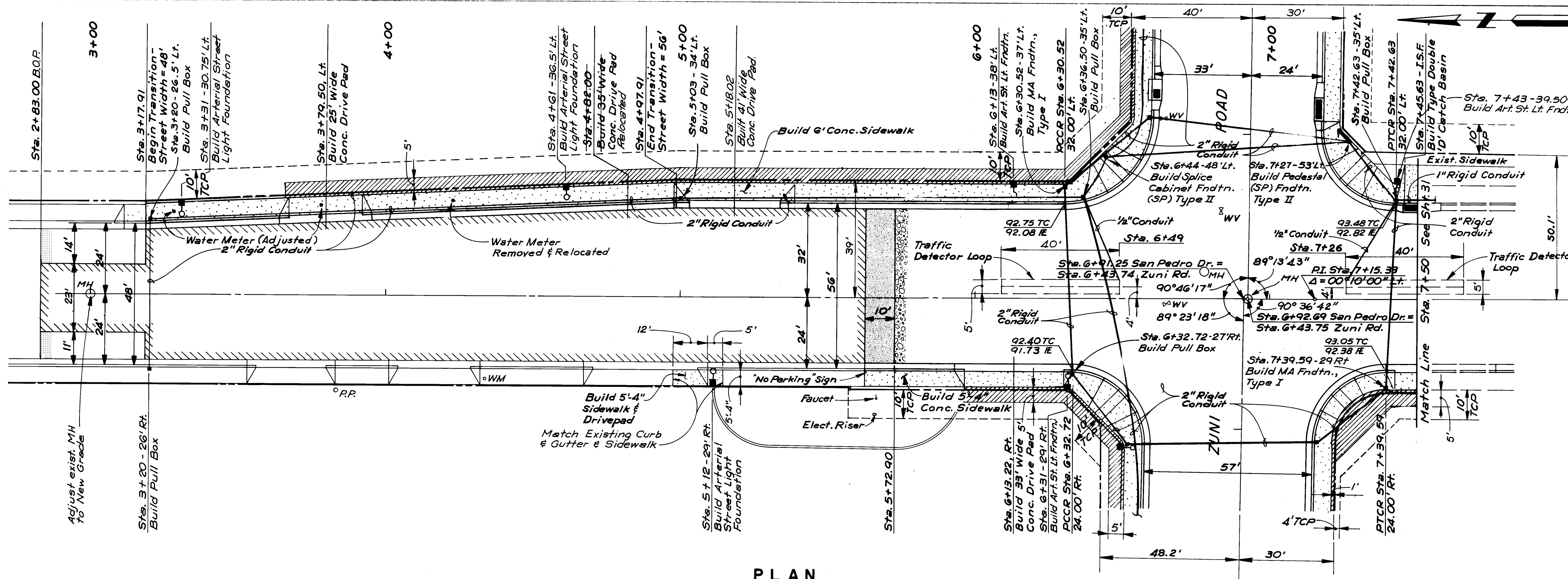
INTERSECTION RECONSTRUCTION
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-0008(20)
REMOVAL PLAN- LOUISIANA BLVD. STA. 2+19.40 TO STA. 9+28.84

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	See Title Sheet		Liquid Waste	N/A RGF	9/24/84
A C E - Design	See Title Sheet		Traffic	N/A D&H	9/26/84
A C E - Hydrology	See Title Sheet		Water	N/A RGF	9/26/84

DRAWING NO. 1671 MAP NO. K-18-Z, L-18-Z, K-19-Z, L-19-Z SHEET 27 OF 67

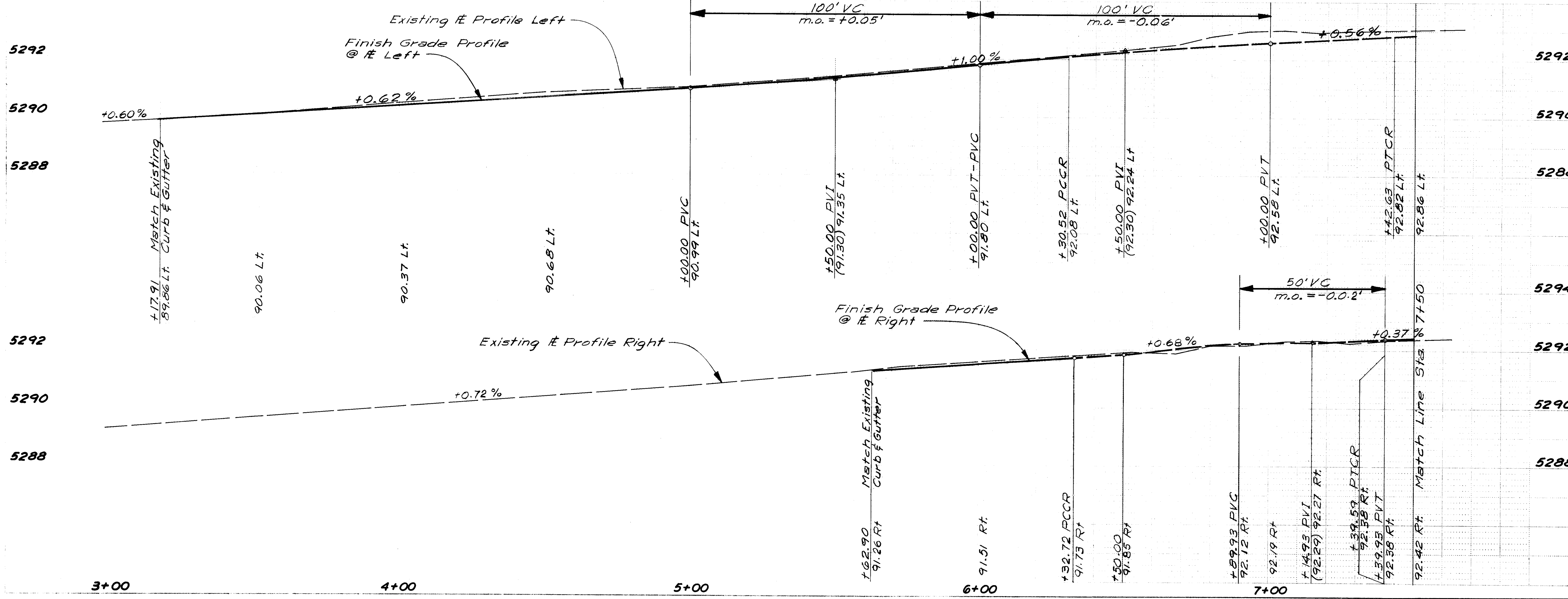






PLAN
SCALE: 1"=20'

SAN PEDRO DRIVE NORTH OF ZUNI ROAD



LEGEND

- Edge of New Portland Cement Concrete Pavement
- Transition Section
- Edge of New Plant Mix Asphalt Concrete Pavement
- New Parking Lot Area Pavement
- New Concrete Sidewalk
- ISF Inside Face
- WM Water Meter
- New Arterial Street Light Foundation

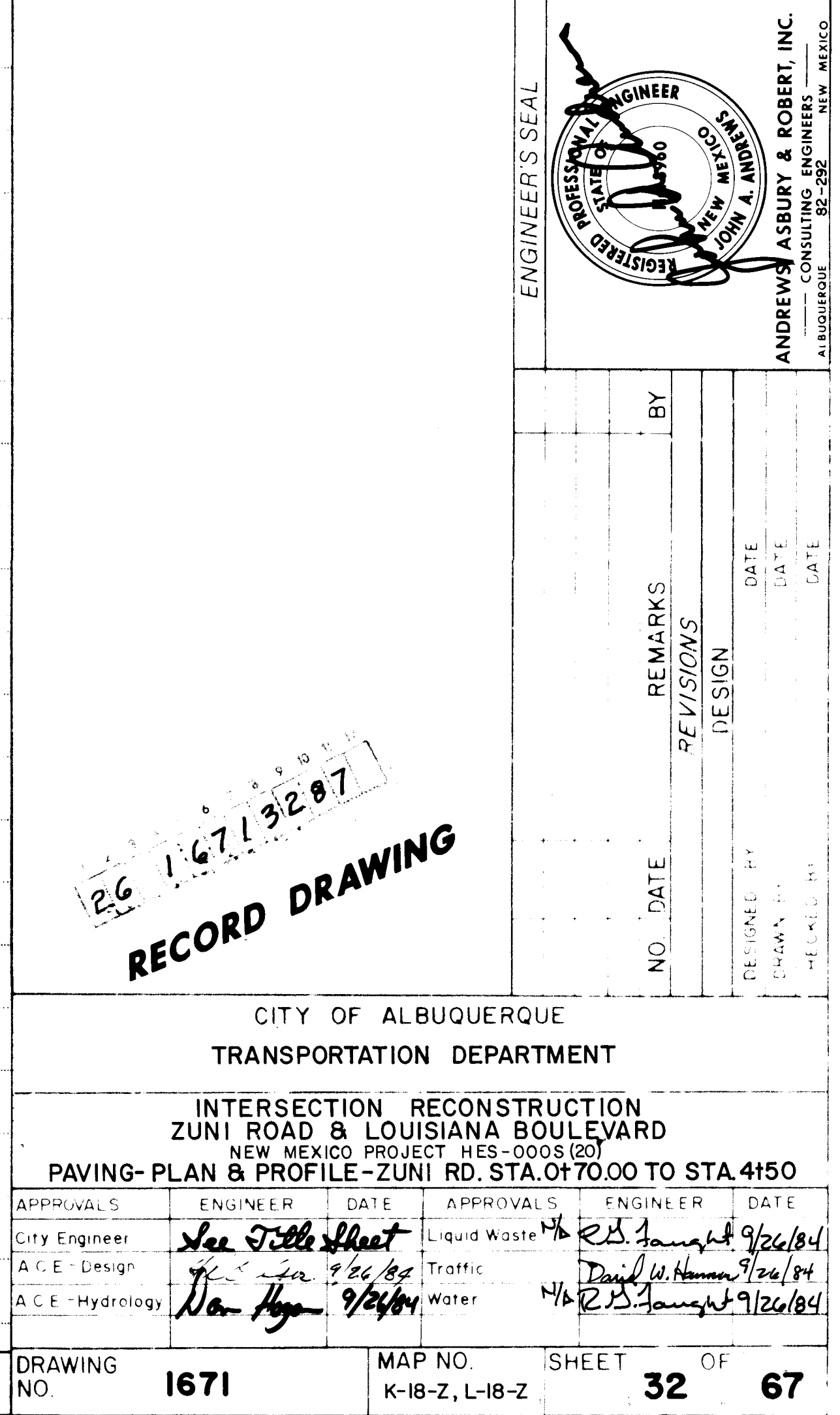
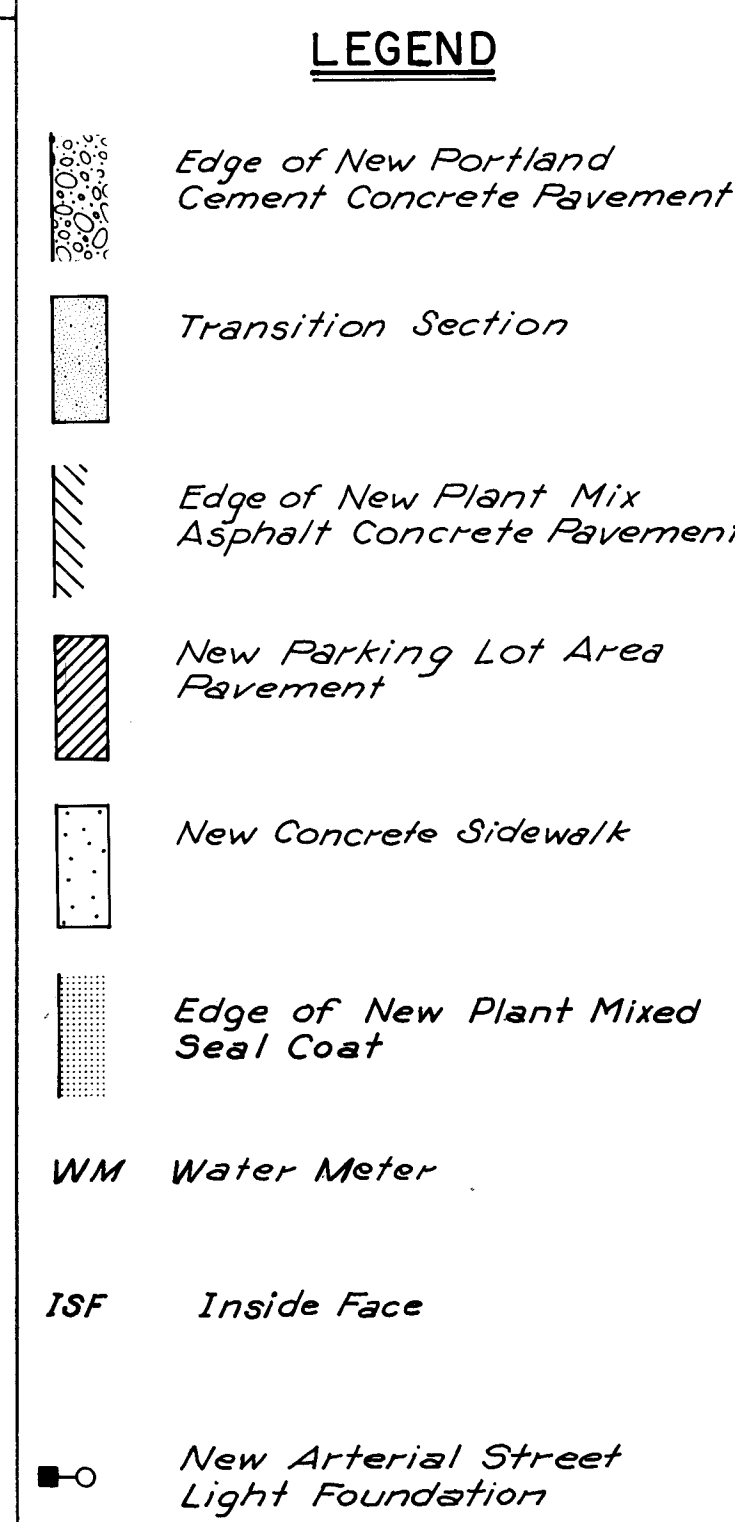
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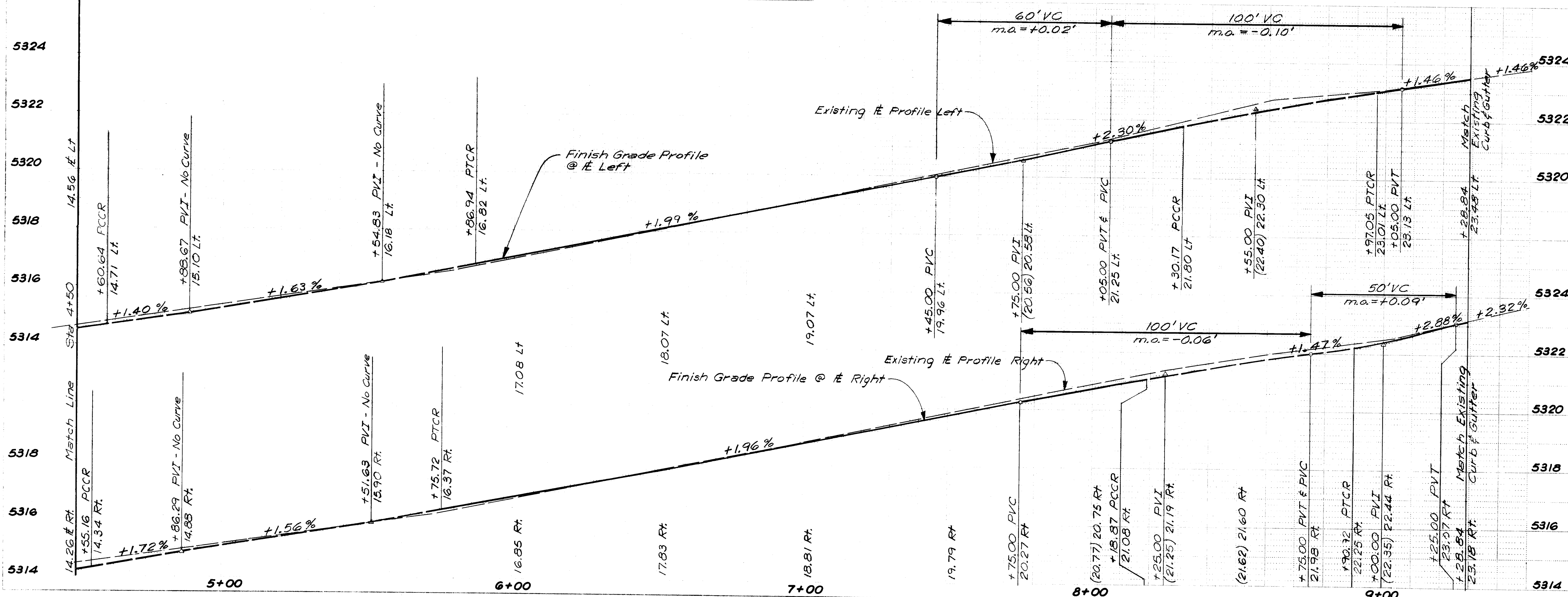
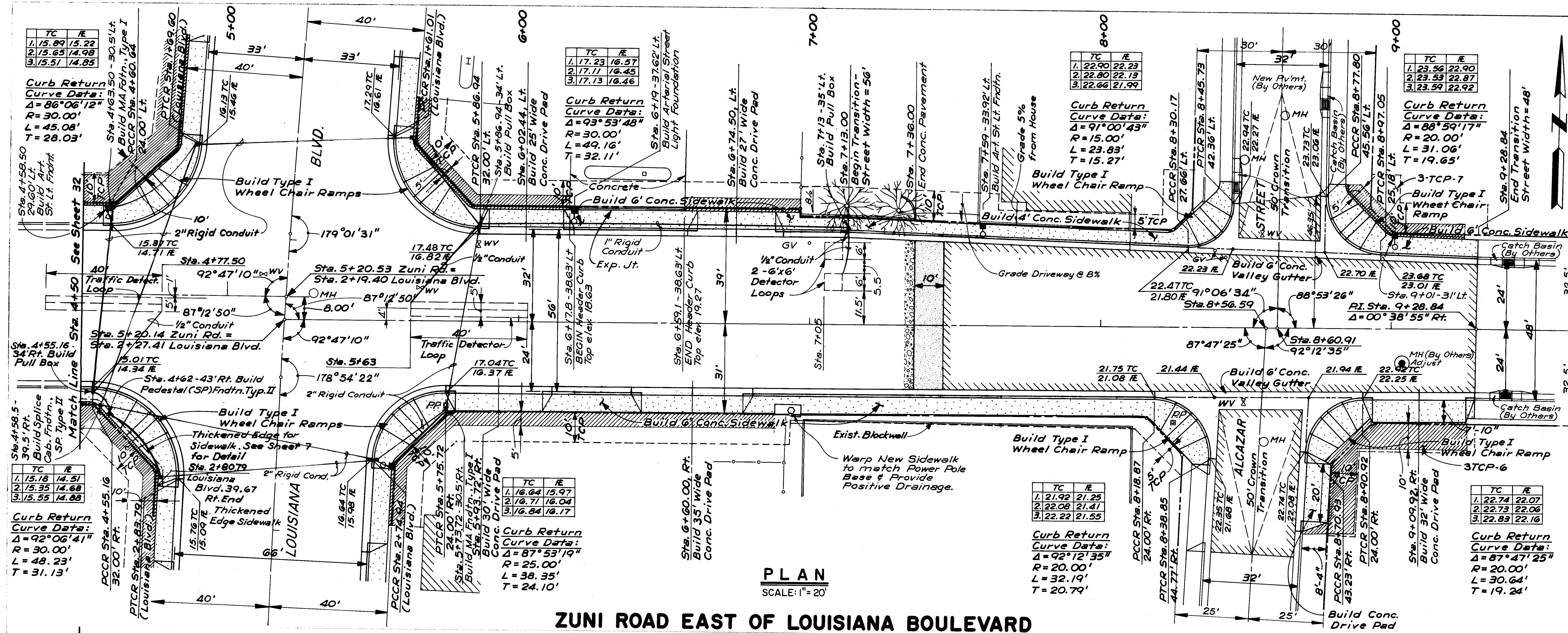
- Traffic Detector Loops & 1/2" Conduit to Pull Boxes will be furnished to Contractor by City of Albuquerque.
- All drainage catch basins shall be constructed with Alternate Grating. See Std. Dwg. K-10-3.

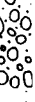
RECORD DRAWING

26 16713087

CITY OF ALBUQUERQUE			
TRANSPORTATION DEPARTMENT			
INTERSECTION RECONSTRUCTION ZUNI ROAD & SAN PEDRO DRIVE NEW MEXICO PROJECT HES-0005(20) PAVING-PLAN & PROFILE-SAN PEDRO DR. STA. 2+83 TO STA. 7+50			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>See Title Sheet</i>		Liquid Waste
A.C.E. - Design	<i>4/4/84</i>	<i>7/24/84</i>	Traffic
A.C.E. - Hydrology	<i>Don Doga</i>	<i>7/24/84</i>	Water
			ENGINEER
			DATE
			<i>281 N/A</i>
			<i>9/24/84</i>
			<i>David M. Hannon</i>
			<i>9/24/84</i>
			<i>N/A</i>
			<i>281 N/A</i>
			<i>9/24/84</i>
DRAWING NO.		MAP NO.	SHEET OF
1671		K-18-Z, L-18-Z	30 67





- | <u>LEGEND</u> | |
|---|--|
|  | <i>Edge of New Portland Cement Concrete Pavement</i> |
|  | <i>Transition Section</i> |
|  | <i>Edge of New Plant Mix Asphalt Concrete Pavement</i> |
|  | <i>New Parking Lot Area Pavement</i> |
|  | <i>New Concrete Sidewalk</i> |
|  | <i>Edge of New Plant Mixed Seal Coat</i> |
| <i>WM</i> | <i>Water Meter</i> |
| <i>ISF</i> | <i>Inside Face</i> |
|  | <i>New Arterial Street Light Foundation</i> |

- NOTES:**
1. Traffic Detector Loops & 1/2" Conduit to Pull Boxes will be furnished to the Contractor by City of Albuquerque.
 2. Manholes, Catch Basins & Paving shown to be By Others are to be constructed under the "Fairgrounds Storm Water Relief System, Phase II", City of Albuq. Project N^o 1823; which will be constructed at approx. the same time as this project.

LEGEND		AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGN	
						FIELD NOTES		NO. BY DATE		NO. DATE		DATE	
	Edge of New Portland Cement Concrete Pavement	J.H. Ryan & Son Inc.		Contractor		ACS Sta. 7-K19, Elevation 5323.31		Standard Brass Cap in median on Central Ave. 65.5' East of Louisiana Blvd. centerline.		NO. BY DATE		DATE	
	Transition Section									NO. BY DATE		DATE	
	Edge of New Plant Mix Asphalt Concrete Pavement									NO. BY DATE		DATE	
	New Parking Lot Area Pavement									NO. BY DATE		DATE	
	New Concrete Sidewalk									NO. BY DATE		DATE	
	Edge of New Plant Mixed Seal Coat									NO. BY DATE		DATE	
WM	Water Meter									NO. BY DATE		DATE	
ISF	Inside Face									NO. BY DATE		DATE	
	New Arterial Street Light Foundation									NO. BY DATE		DATE	
NOTES:										NO. BY DATE		DATE	
1. Traffic Detector Loops & 1/2" Conduit to Pull Boxes will be furnished to the Contractor by City of Albuquerque.										NO. BY DATE		DATE	
2. Manholes, Catch Basins & Paving Shown to be By Others are to be constructed under the "Fairgrounds Storm Water Relief System, Phase II", City of Albq. Project No 1823; which will be constructed at approx. the same time as this project.										NO. BY DATE		DATE	
										NO. BY DATE		DATE	
								ANDREWS, ASBURY & ROBERT, INC. CONSULTING ENGINEERS ALBUQUERQUE NEW MEXICO		NO. BY DATE		DATE	

2-6 1.6.7.1 3.3.8.7
RECORD DRAWING

CITY OF ALBUQUERQUE
 TRANSPORTATION DEPARTMENT

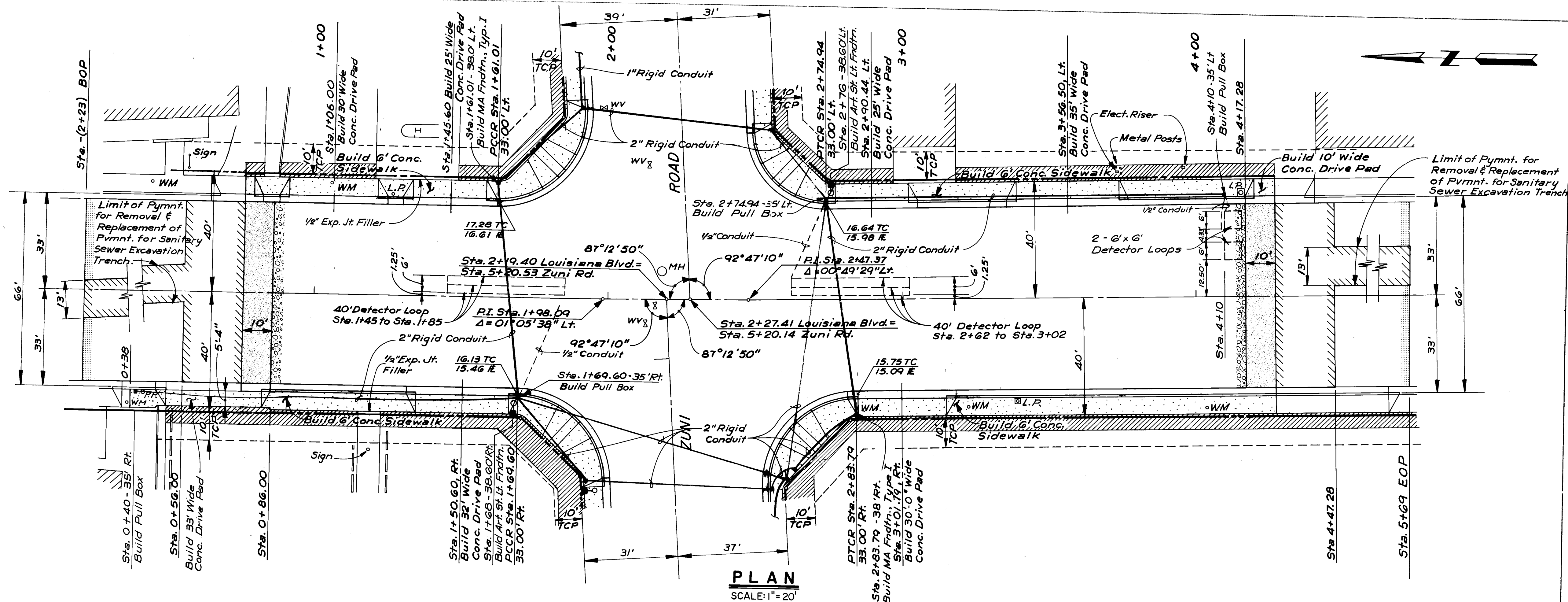
INTERSECTION RECONSTRUCTION
 ZUNI ROAD & LOUISIANA BOULEVARD
 NEW MEXICO PROJECT - HES-000S(20)
 PAVING-PLAN & PROFILE-ZUNI RD. STA. 4150 TO STA. 9128.84

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Title Sheet</i>		Liquid Waste	<i>R.B. Houghton</i>	<i>9/26/84</i>
A.C.E.-Design	<i>See Title Sheet</i>		Traffic	<i>R.B. Houghton</i>	<i>9/26/84</i>
A.C.E.-Hydrology	<i>See Title Sheet</i>		Water	<i>R.B. Houghton</i>	<i>9/26/84</i>

DRAWING NO. **1671**

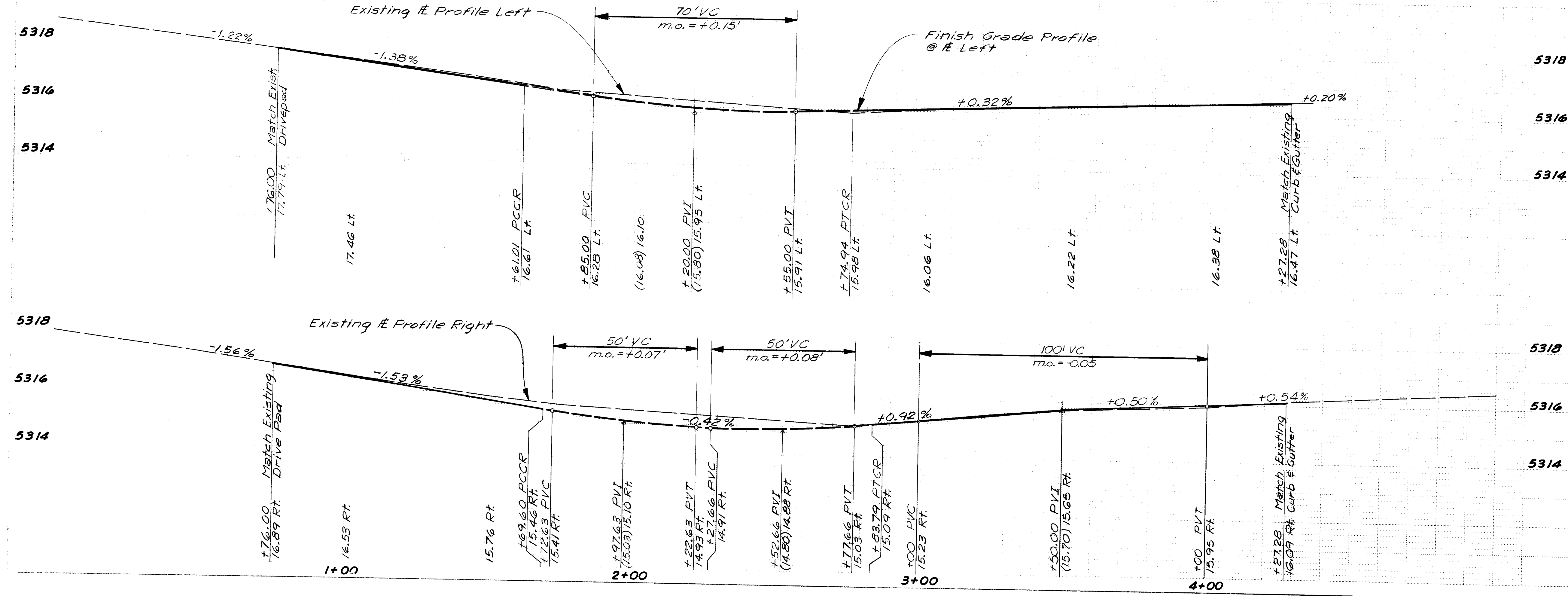
MAP NO.
 K-18-Z, L-18-Z
 K-19-Z, L-19-Z

SHEET **33** OF **67**



LOUISIANA BOULEVARD

PLAN
SCALE: 1" = 20'



LEGEND

- Edge of New Portland Cement Concrete Pavement
- Transition Section
- Edge of New Plant Mix Asphalt Concrete Pavement
- New Parking Lot Area Pavement
- New Concrete Sidewalk
- Edge of New Plant Mixed Seal Coat
- WM Water Meter
- ISF Inside Face
- New Arterial Street Light Foundation

NOTE:
Traffic Detector Loops & 1/2" Conduit to Pull Boxes will be furnished to Contractor by City of Albuquerque.

RECORD DRAWING
26 16713487

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE	NO.	DATE

Professional Engineer
State of New Mexico
John A. Anderson
26-282
Albuquerque, New Mexico

ANDREWS, ASBURY & ROBERT, INC.
CONSULTING ENGINEERS
ALBUQUERQUE, NEW MEXICO

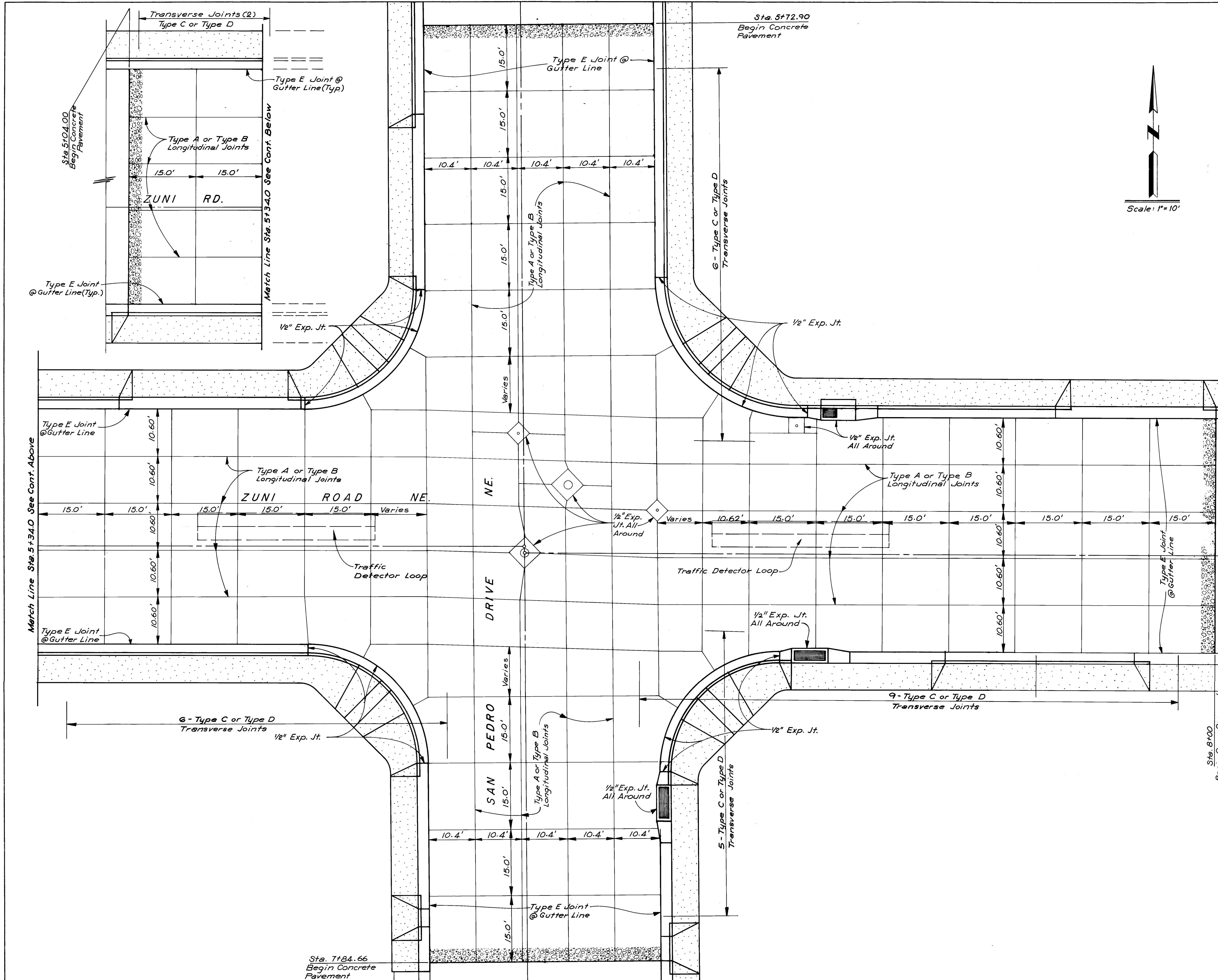
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

INTERSECTION RECONSTRUCTION
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-0005(20)
PAVING-PLAN & PROFILE-LOUISIANA BLVD. STA. 0+56 TO STA. 4+47.28

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Lee Tiller	7/26/84	Liquid Waste	R.B.1	7/26/84
A.C.E. - Design	David W. Newman	7/26/84	Traffic	R.B.1	7/26/84
A.C.E. - Hydrology	David W. Newman	7/26/84	Water	R.B.1	7/26/84

REVISIONS	NO.	DATE	REMARKS
DESIGN			

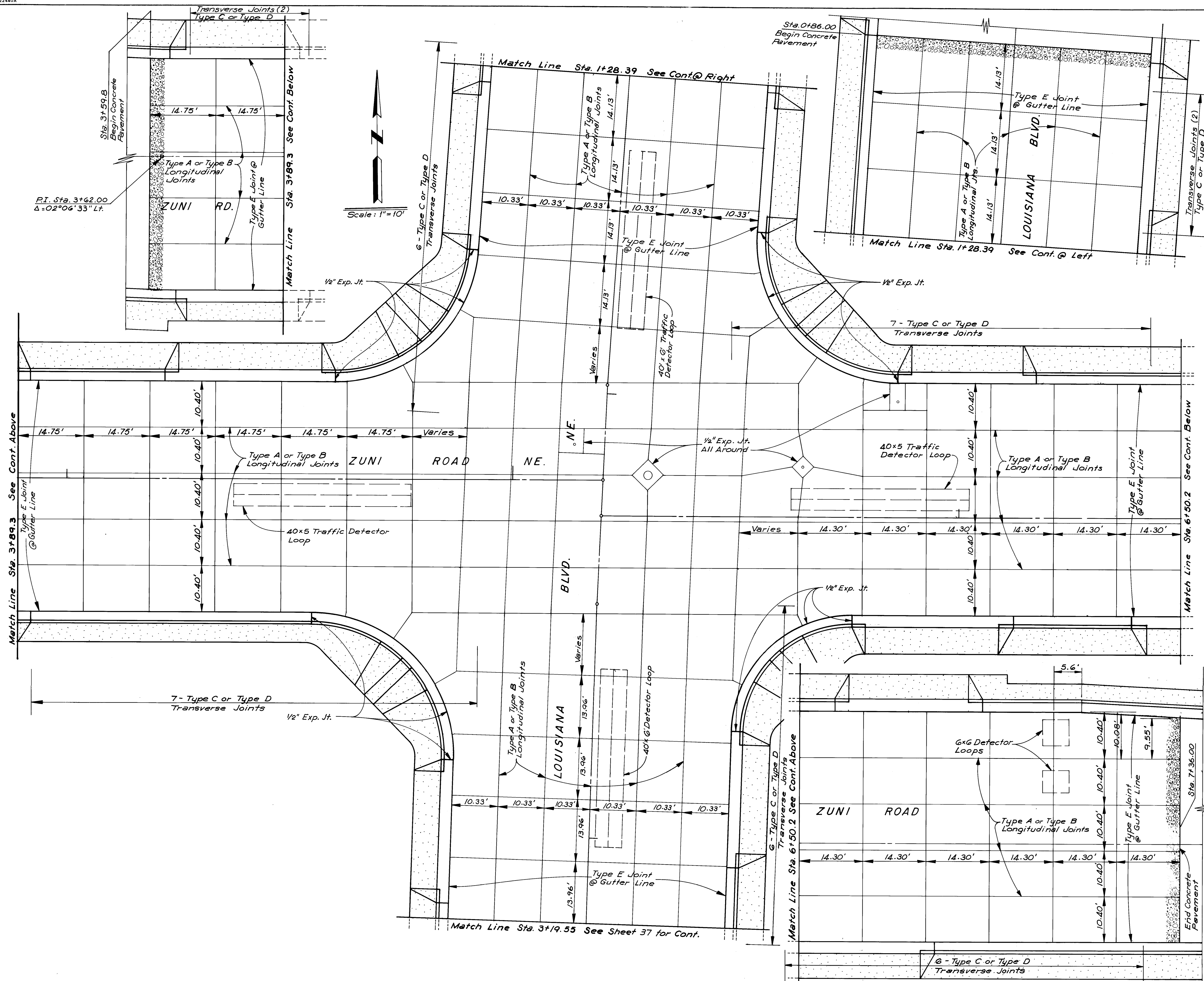
DRAWING NO. 1671
MAP NO. K-18-Z, L-18-Z
SHEET 34 OF 67



1. WHERE JOINT IS INDICATED TO BE TYPE A OR TYPE B, TYPE B TO BE UTILIZED SHALL BE DEPENDENT UPON CONTRACTORS CONSTRUCTION METHODS AND SUBJECT TO THE APPROVAL OF THE ENGINEER.
2. WHERE JOINT IS INDICATED TO BE TYPE C OR TYPE D, TYPE C SHALL BE UTILIZED SUBJECT TO THE CONDITIONS IN NOTE 6, SHEET 6.
3. JOINTS WITHIN THE INTERSECTION NOT SPECIFICALLY DESIGNATED SHALL BE TYPE C OR TYPE D.

26 16713587
RECORD DRAWING

[illegible]



NOTES:

- WHERE JOINT IS INDICATED TO BE TYPE A OR TYPE B; TYPE TO BE UTILIZED SHALL BE DEPENDENT UPON CONTRACTORS CONSTRUCTION METHODS AND SUBJECT TO THE APPROVAL OF THE ENGINEER.
- WHERE JOINT IS INDICATED TO BE TYPE C OR TYPE D, TYPE C SHALL BE UTILIZED SUBJECT TO THE CONDITIONS IN NOTE 6, SHEET 6.
- JOINTS WITHIN THE INTERSECTION NOT SPECIFICALLY DESIGNATED SHALL BE TYPE C OR TYPE D.

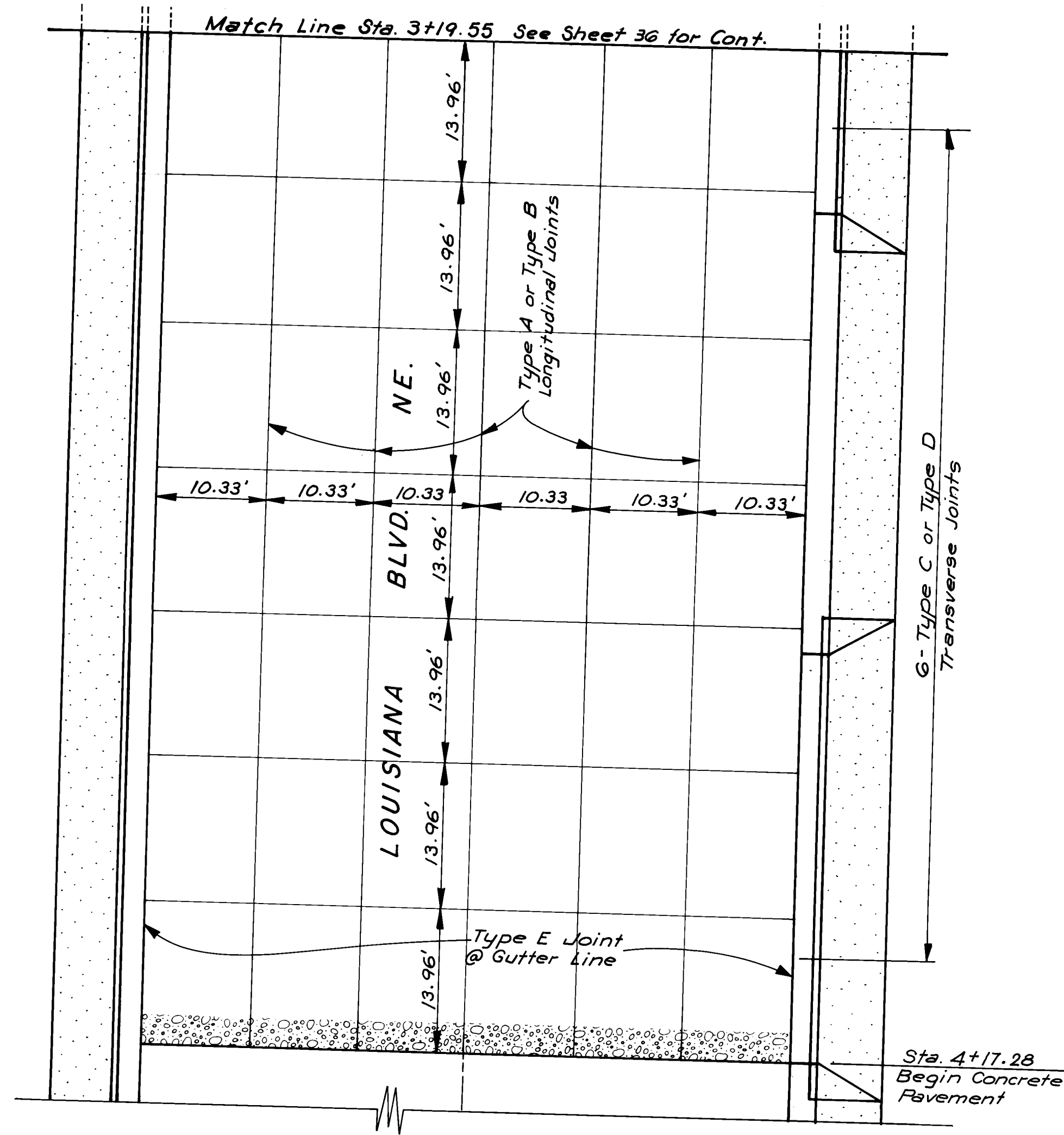
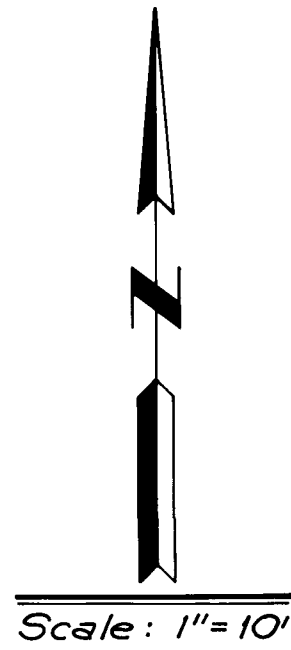
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
STATE OF NEW MEXICO REGISTERED PROFESSIONAL ENGINEER JOHN A. ANDREWS No. 10,000		FIELD NOTES NO. BY DATE		ACS Sta. 7-K19, Elevation 5223.31 Standard Brass Cap in median on Central Ave. 65.5 East of Louisiana Blvd. centerline.		CONTRACTOR J.H. Ryan & Son, Inc. WORK BY Contractor INSPECTOR'S ACCEPTANCE BY DATE FIELD DRAWINGS BY NMSHD DATE 9-86 CORRECTED BY J.A.A. DATE 9-86	
ANDREWS, ASBURY & ROBERT, INC. CONSULTING ENGINEERS ALBUQUERQUE, NEW MEXICO		REVISIONS NO. DATE BY		DESIGNED BY J/M		RECORDED BY	
DATE		DATE		DATE		DATE	

26 14713687
RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENTINTERSECTION RECONSTRUCTION
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-0005 (20)
JOINT DIAGRAM

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	See Title Sheet		Liquid Waste	N/A RGF	9/26/86
A.C.E. - Design	See Title Sheet		Traffic	N/A RGF	9/26/86
A.C.E. - Hydrology	See Title Sheet		Water	N/A RGF	9/26/86

DRAWING NO.	1671	MAP NO.	K-18-Z, L-18-Z K-19-Z, L-19-Z	SHEET OF	36 67
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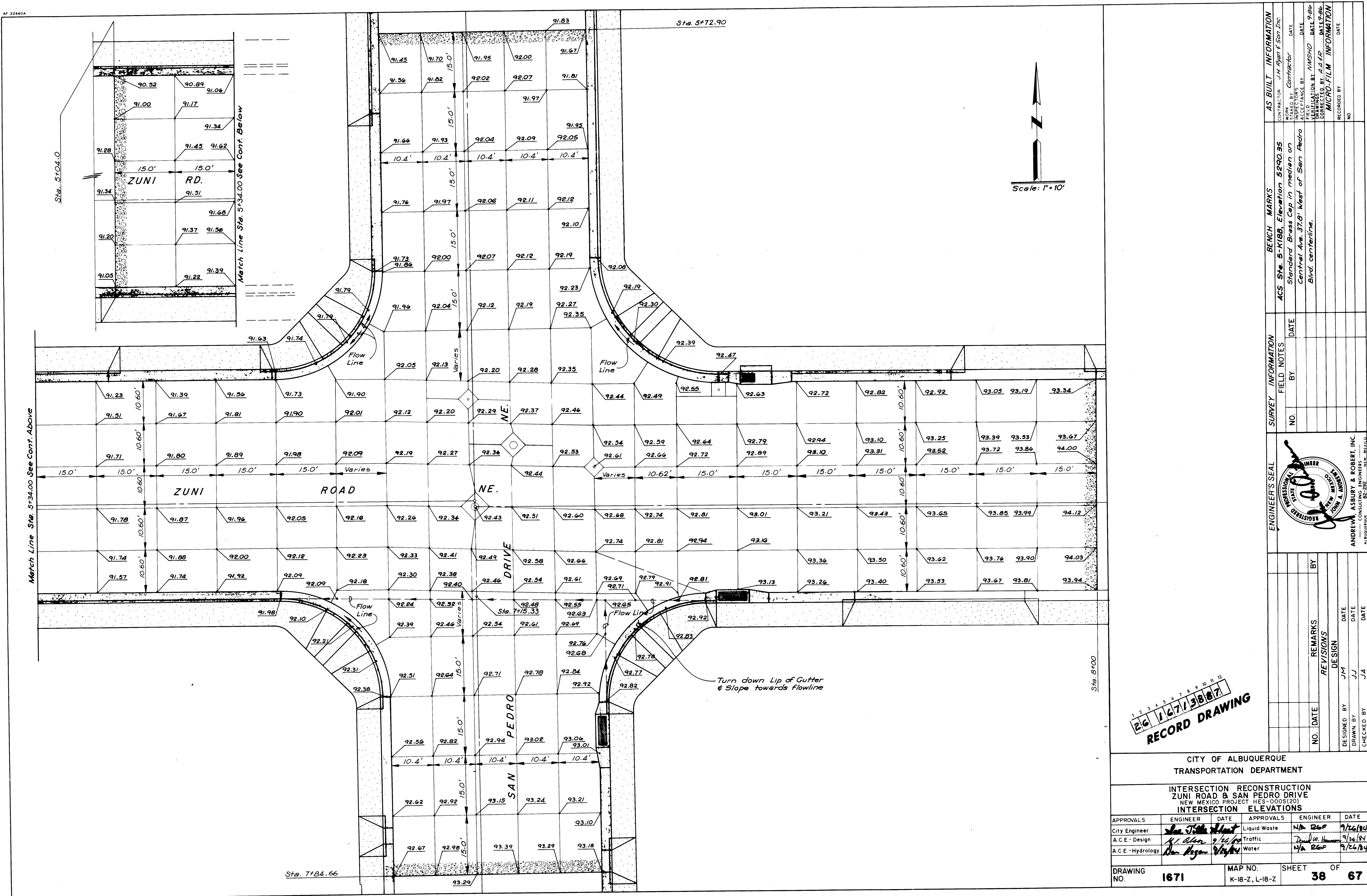


- NOTES:
- WHERE JOINT IS INDICATED TO BE TYPE A OR TYPE B; TYPE TO BE UTILIZED SHALL BE DEPENDENT UPON CONTRACTORS CONSTRUCTION METHODS AND SUBJECT TO THE APPROVAL OF THE ENGINEER.
 - WHERE JOINTS IS INDICATED TO BE TYPE C OR TYPE D, TYPE C SHALL BE UTILIZED SUBJECT TO THE CONDITIONS IN NOTE 6, SHEET 6.
 - JOINTS WITHIN THE INTERSECTION NOT SPECIFICALLY DESIGNATED SHALL BE TYPE C OR TYPE D.

26 16713787
RECORD DRAWING

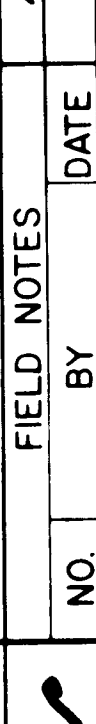
CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT		INTERSECTION RECONSTRUCTION ZUNI ROAD & LOUISIANA BOULEVARD NEW MEXICO PROJECT HES-0005 (20) JOINT DIAGRAM			
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Title Sheet</i>		Liquid Waste	N/A RGF	9/26/84
A.C.E.-Design	<i>See Title Sheet</i>	9/26/84	Traffic	David W. Brown	9/26/84
A.C.E.-Hydrology	<i>See Title Sheet</i>	9/26/84	Water	W/D RGF	9/26/84
DRAWING NO.	1671	MAP NO.	K-18-Z, L-18-Z K-19-Z, L-19-Z	SHEET OF	37 67

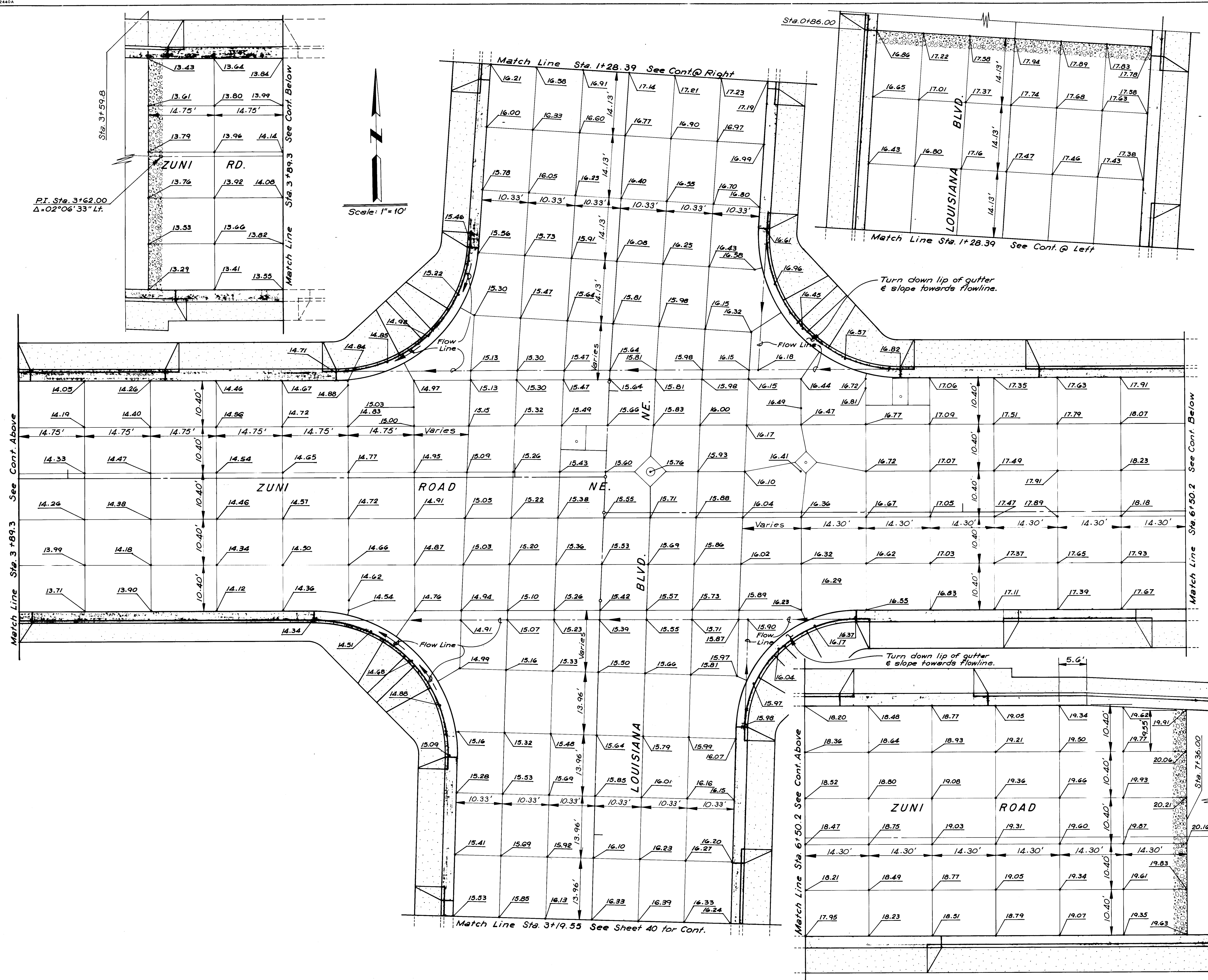
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		ACS Sta. 7-K19, Elevation 5223.31 Standard Brass Cap in Median on Central Ave. 65.5' East of Louisiana Blvd. Centerline.		CONTRACTOR J.H. Ryan & Son, Inc. WORKED BY INSPECTOR'S ACCEPTANCE BY VERIFICATION BY MMS/D DRAWING BY A.A.R. DATE 9-86 MICRO-FILM INFORMATION	
NO.		BY		DATE		DATE	
REMARKS		REVISIONS		DESIGN		RECORDED BY	
DESIGNED BY		J/M		DATE		NO.	
DRAWN BY		J/A		DATE		NO.	
CHECKED BY		J/A		DATE		NO.	



1 2 3 4 5 6 7 8 9 10 11 12
26 16713887
RECORD DRAWING

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
INTERSECTION RECONSTRUCTION ZUNI ROAD & SAN PEDRO DRIVE NEW MEXICO PROJECT HES-0005(20) INTERSECTION ELEVATIONS					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Joe F. Hunt</i>	9/26/84	Liquid Waste	N/A RGP	9/26/84
A.C.E. - Design	<i>Al. Blum</i>	9/26/84	Traffic	<i>David W. Hunter</i>	9/26/84
A.C.E. - Hydrology	<i>Don Hagan</i>	9/26/84	Water	N/A RGP	9/26/84
DRAWING NO.	1671	MAP NO.	K-18-Z, L-18-Z	SHEET	38 OF 67

								ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
DESIGNED BY J M DRAWN BY J J CHECKED BY J A		REVISIONS NO. DATE REMARKS		BY				ANDREW ASBURY & ROBERT, INC. CONSULTING ENGINEERS ALBUQUERQUE 82-252 NEW MEXICO		FIELD NOTES		ACS Sta. 5-K18B, Elevation 5290.95		CONTRACTOR J.H. Ryan & Son, Inc.	
										DATE		Standard Brass Cap in median on		WORKED BY Contractor	
										BY		Central Ave. 37.8' West of San Pedro		INSPECTOR'S	
										NO.		Blvd. centerline.		FIELD	
										DATE		DATE 9-86		DATE	
										VERIFICATION BY MWSHD		DATE 9-86			
										CORRECTED BY A A R		DATE 9-86			
										MICRO-FILM INFORMATION					
										RECORDED BY		DATE			
										NO					



1 2 3 4 5 6 7 8 9 10 11 12

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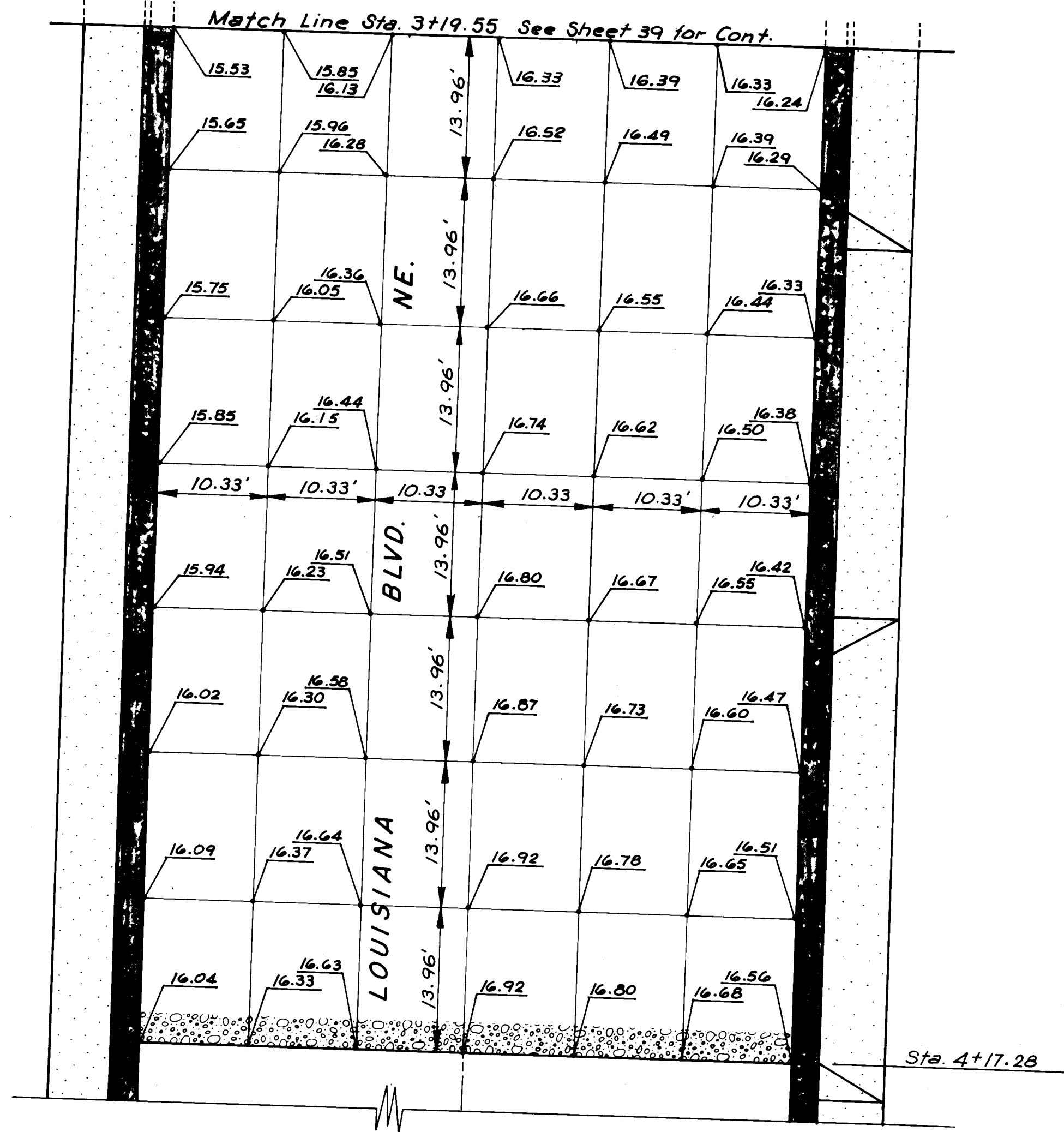
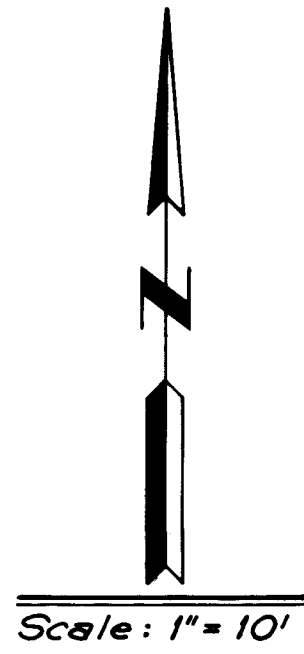
RECORD DRAWING

CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

INTERSECTION RECONSTRUCTION
ZUNI ROAD & LOUISIANA BOULEVARD
NEW MEXICO PROJECT HES-000S(20)
INTERSECTION ELEVATIONS

INTERSECTION			ELEVATIONS		
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	Lee Tice	9/26/89	Liquid Waste	N/A RGF	9/26/89
A.C.E - Design	Lee Tice	9/26/89	Traffic	David Hammer	9/26/89
A.C.E - Hydrology	Don Ham	9/26/89	Water	N/A RGF	9/26/89

DRAWING NO.	1671	MAP NO. K-18-Z, L-18-Z K-19-Z, L-19-Z	SHEET 39 OF 67
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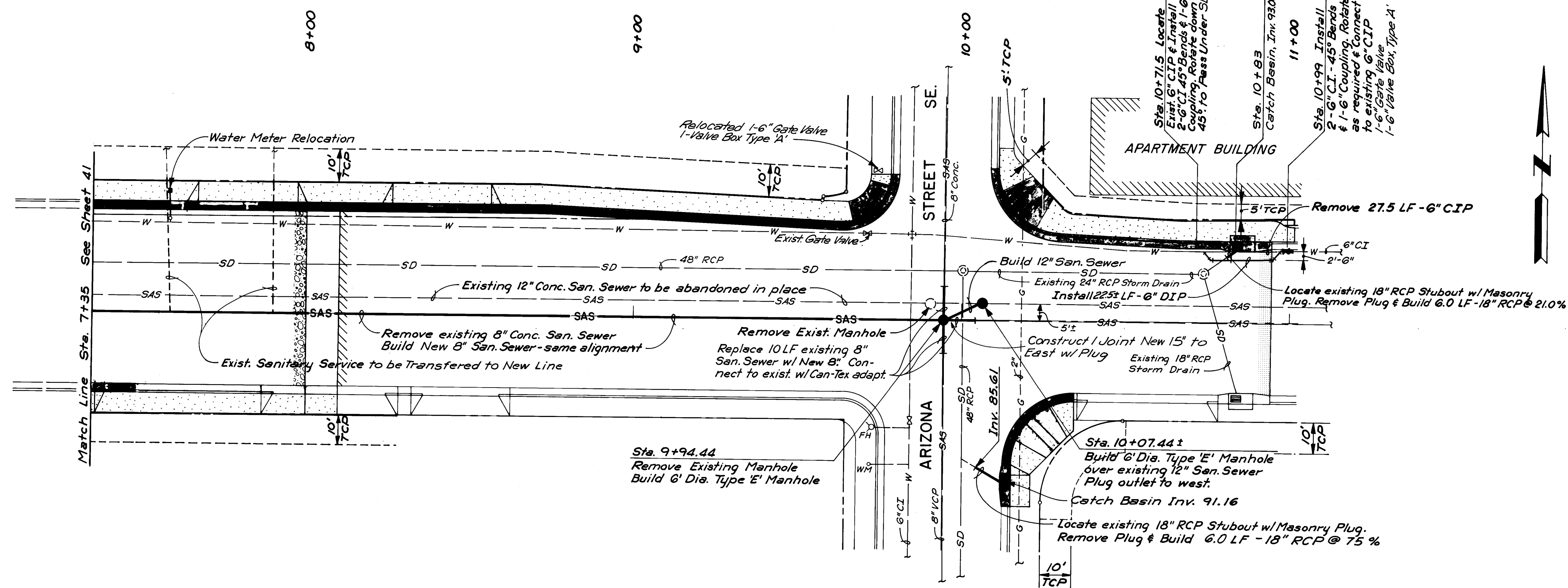
RECORD DRAWING

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	FIELD NOTES	ACS Sta. 7-K19 Elevation 5223.31	CONTRACTOR	WORK STARTED BY	DATE
				Standard Brass Cap in Median on Central Ave. 65.5' East of Louisiana Blvd. Centerline.	J.H. Ryan & Son, Inc.	CONTRACTOR	DATE
						ACCEPTANCE BY	DATE
						FIELD	DATE
						CONSTRUCTION BY	DATE
						CORRECTED BY	DATE
						RECORDED BY	DATE
						NO	DATE

REVISIONS		DESIGN	
NO.	DATE	BY	DATE
		JM	
		JA	

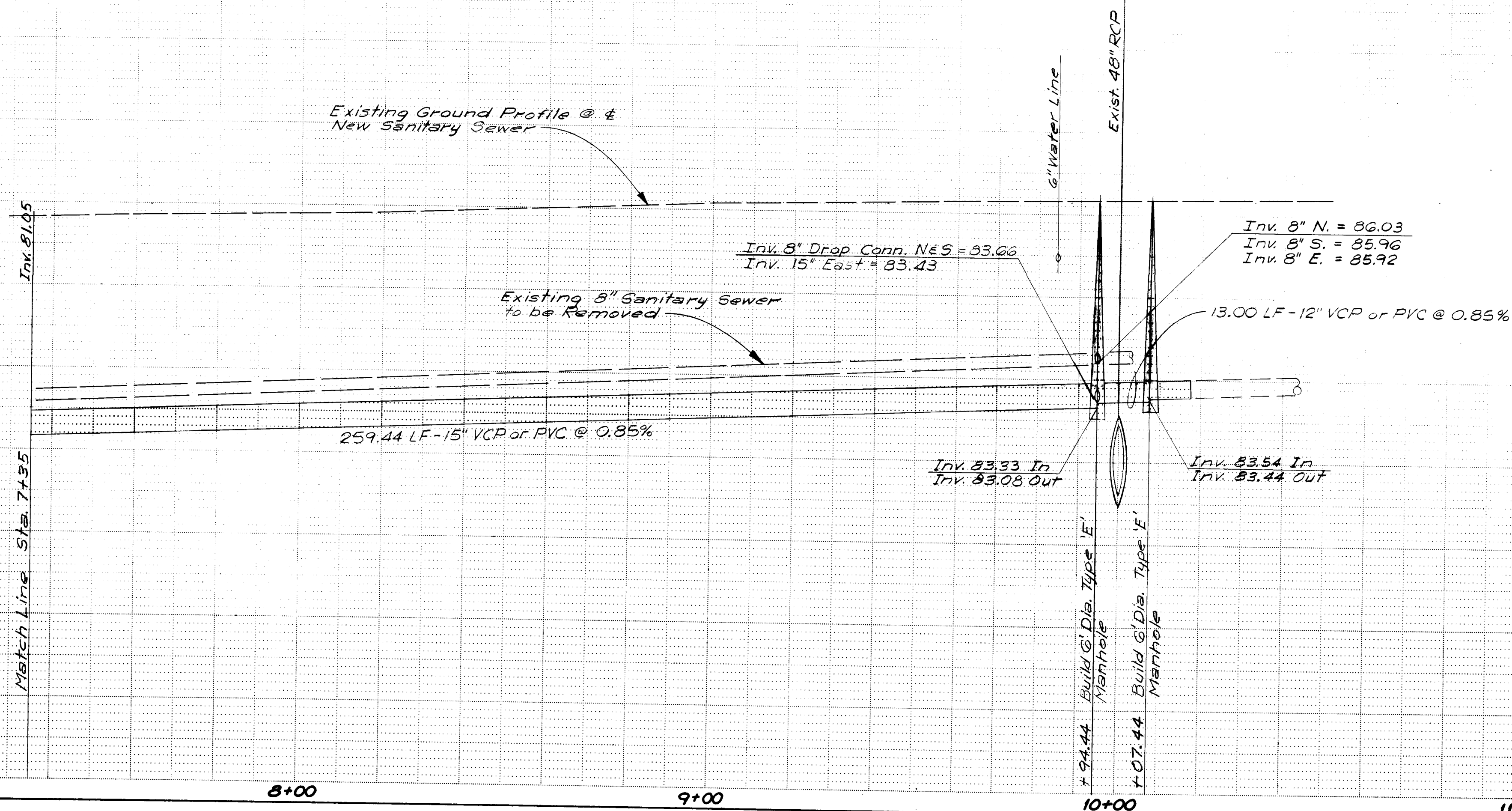
CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT			
INTERSECTION RECONSTRUCTION ZUNI ROAD & LOUISIANA BOULEVARD NEW MEXICO PROJECT HES-0005 (20) INTERSECTION ELEVATIONS			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>Don Pelt</i>	9/26/84	Liquid Waste
A.C.E.-Design	<i>W. W. W.</i>	7/2/84	Traffic
A.C.E.-Hydrology	<i>Don Pelt</i>	7/2/84	Water

DRAWING NO.	1671	MAP NO.	K-18-Z, L-18-Z K-19-Z, L-19-Z	SHEET	40	OF	67
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PLAN
SCALE: 1" = 20'

ZUNI ROAD EAST OF SAN PEDRO DRIVE



NOTE:

Existing 12" San. Sewer, to be abandoned in place, shall be filled W/ sand or removed at Contractor's option. No separate measurement or payment will be made for this work which will be considered incidental to the completion of this project.

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL		REVISIONS		DESIGNED BY		DRAWN BY		CHECKED BY	
CONTRACTOR	J.H. Ryan & Son, Inc.	ACS Sta. 5+KBB	Elevation 5290.35	NO.	DATE	 ANDREW ASBURY & ROBERT, INC. ALBUQUERQUE, N.M.	BY	NO.	DATE	DESIGNED BY	DATE	DRAWN BY	DATE	CHECKED BY	DATE
WORK	Contractor	Standard Brass Cap in median on	Central Ave. 37.8' West of San Pedro	BY	DATE			REVISIONS	DESIGN						
FIELD	ACCEPTANCE BY	DATE	DATE												
DATE	DATE	DATE	DATE												
DATE	DATE	DATE	DATE												
DATE	DATE	DATE	DATE												

26 16714287
RECORD DRAWING

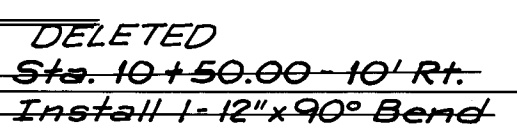
CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

INTERSECTION RECONSTRUCTION ZUNI ROAD & SAN PEDRO DRIVE NEW MEXICO PROJECT HES-0005(20) UTILITIES-PLAN & PROFILE-ZUNI RD. STA. 7+35 TO STA. 10+99					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>		Liquid Waste	<i>[Signature]</i>	9/26/84
A.C.E.-Design	<i>[Signature]</i>	9/26/84	Traffic	NA DWH	9/26/84
A.C.E.-Hydrology	<i>[Signature]</i>	9/26/84	Water	<i>[Signature]</i>	9/26/84

DRAWING NO. 1671

MAP NO. K-18-Z, L-18-Z

SHEET 42 OF 67



PLAN
SCALE: 1" = 20'

5300

5295

5290

5285

5280

5275

5270

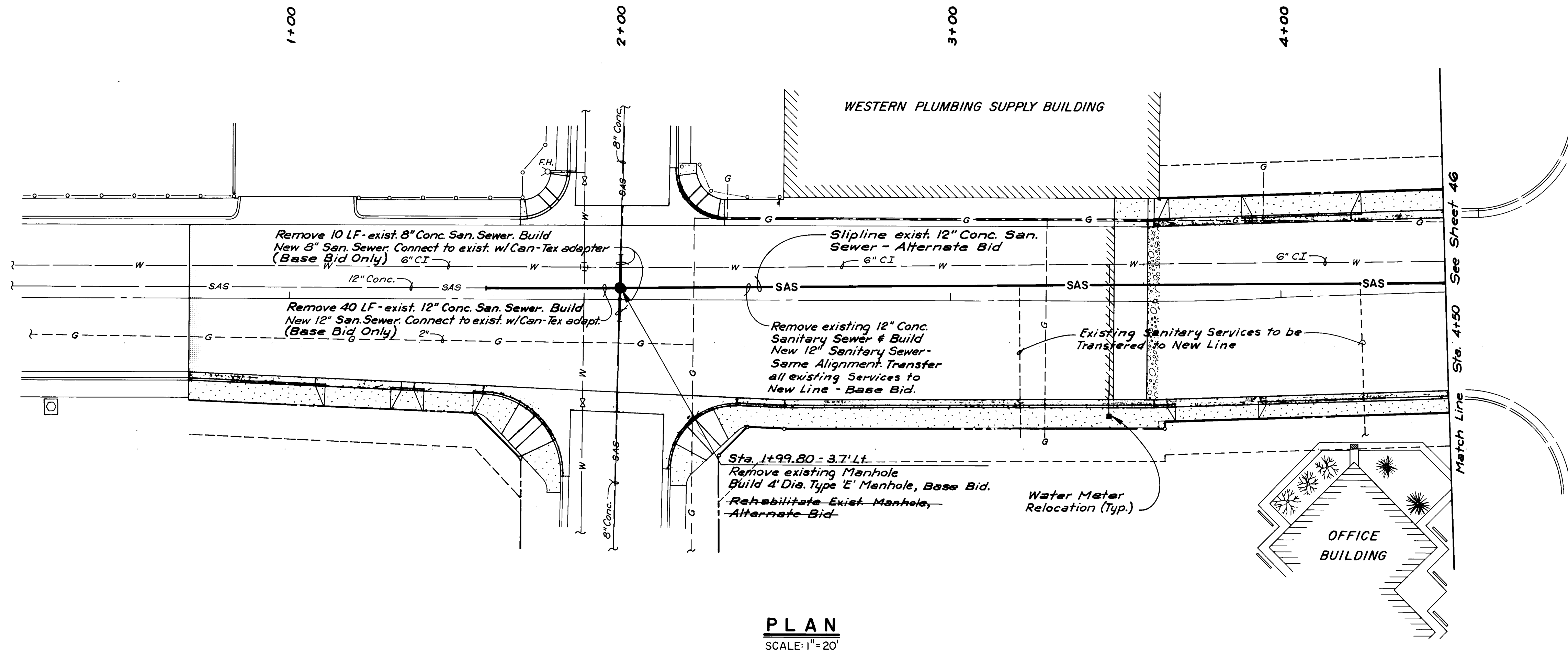


DESIGNED BY	DATE	ENGINEER'S SEAL  ANDREWS, ASBURY & ROBERT, INC. CONSULTING ENGINEERS ALBUQUERQUE, NEW MEXICO	SURVEY INFORMATION FIELD NOTES BY DATE	BENCH MARKS ACS Sta. 5-K18B, Elevation 5290.35 Standard Brass Cap in median on Central Ave. 37.8' West of San Pedro Drive centerline	AS BUILT INFORMATION CONTRACTOR J.H. Ryan & Son, Inc. WORK BY Contractor INSPECTED BY ACCEPTANCE BY FIELD LAYOUT BY NMS&D DRAWINGS BY AA&P CORRECTED BY AA&P DATE 9-86 DATE 9-86 MICRO-FILM INFORMATION RECORDED BY DATE
DRAWN BY	DATE				
CHECKED BY	DATE				
NO. DATE REMARKS REVISIONS DESIGN					
1.	10/16/84	Addendum No 2 BY 4.4.62			

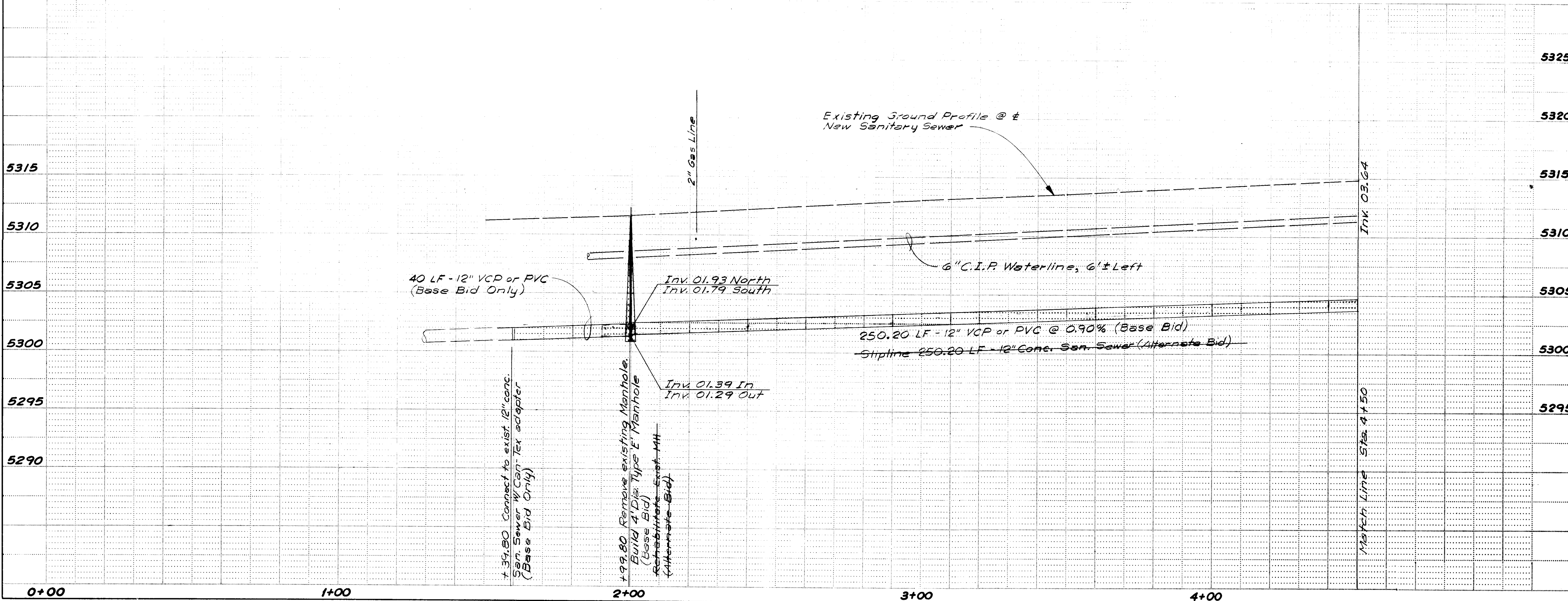
INTERSECTION RECONSTRUCTION
ZUNI ROAD & SAN PEDRO DRIVE
NEW MEXICO PROJECT HES-000S(20)
UTILITIES-PLAN & PROFILE-SAN PEDRO DR. STA. 7150 TO STA. 10+30.30

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>Lee F. Lee</i>	<i>1/26/84</i>	Liquid Waste	<i>R.H. Janset</i>	<i>1/26/84</i>
A C E - Design	<i>W. J. Lee</i>	<i>1/26/84</i>	Traffic	<i>NA DWH</i>	<i>1/26/84</i>
A C E - Hydrology	<i>Lee F. Lee</i>	<i>1/26/84</i>	Water	<i>R.H. Janset</i>	<i>1/26/84</i>

DRAWING NO. 1671	MAP NO. K-18-Z, L-18-Z	SHEET 44 OF 67
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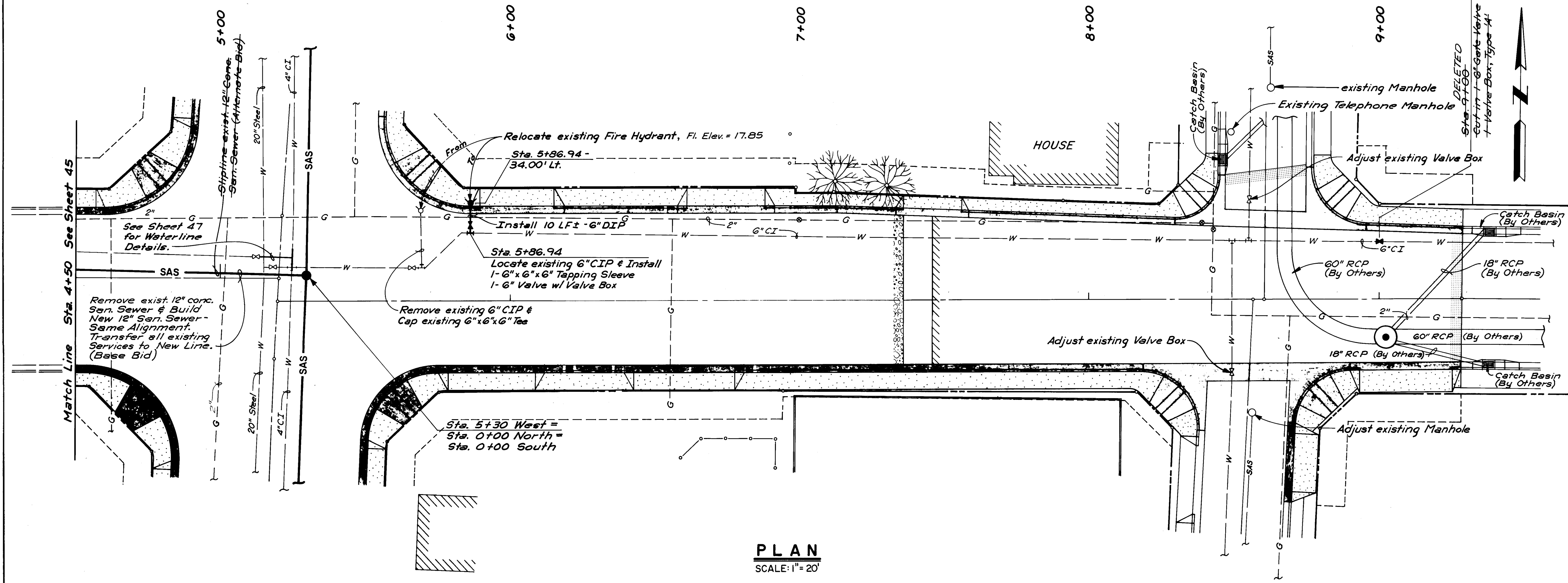


ZUNI ROAD WEST OF LOUISIANA BOULEVARD

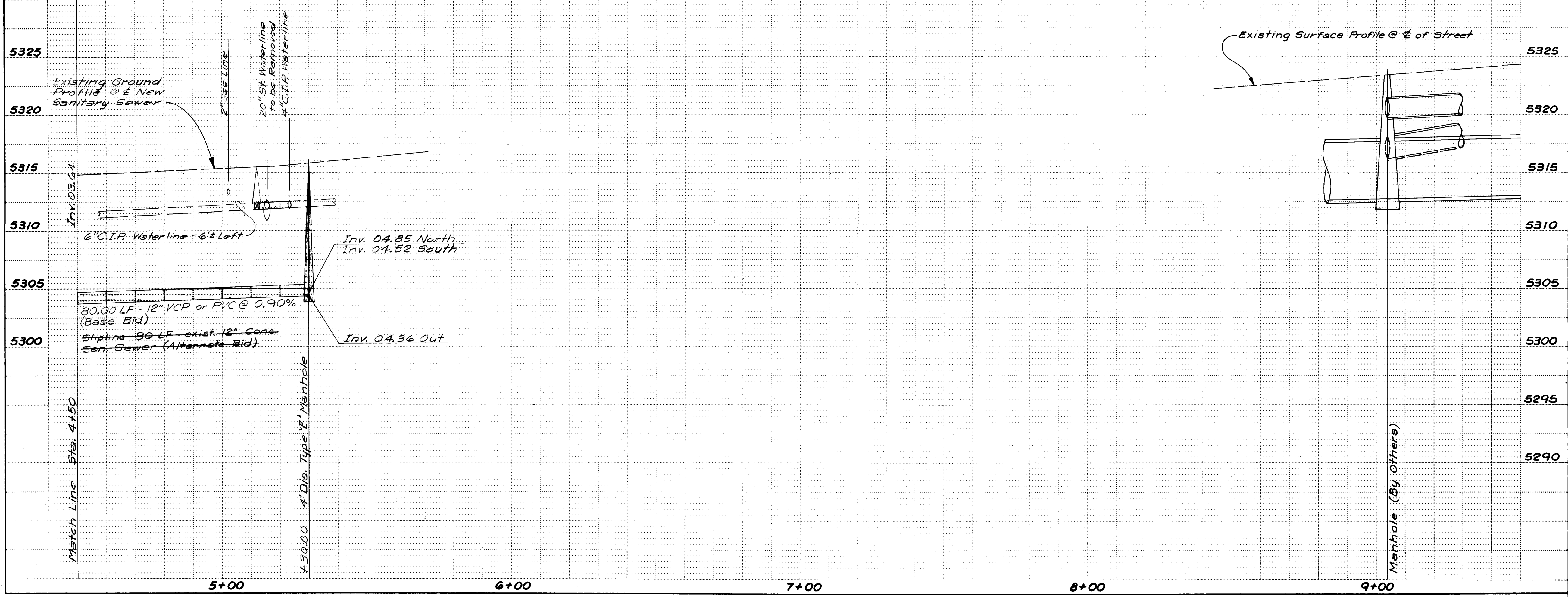


16714587
RECORD DRAWING

ENGINEER'S SEAL ANDREW ASBURY & ROBERT INC. ALBUQUERQUE, NM 87102		AS BUILT INFORMATION CONTRACT: JH-Ren & Son, Inc. WORK: 7-1919, Elevation 5223.31 DESIGNED BY: Contractor CHECKED BY: DATE FIELD: DATE ASSEMBLY: DATE CORRECTED BY: DATE MICRO-FILM: DATE RECORDED BY: DATE	
SURVEY INFORMATION FIELD NOTES NO. BY DATE		BENCH MARKS ACS Sta. 7-K19, Elevation 5223.31 Standard Brass Cap in median on Central Ave. 65.5' East of Louisiana Blvd. centerline.	
REVISIONS NO. DATE BY 1. 10/16/04 Addendum No. 2 REMARKS DESIGN		DESIGNED BY: DATE DRAWN BY: DATE CHECKED BY: DATE	
CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT INTERSECTION RECONSTRUCTION ZUNI ROAD & LOUISIANA BOULEVARD NEW MEXICO PROJECT HES-0005 (20) UTILITIES-PLAN & PROFILE-ZUNI RD. STA. 1+89.80 TO STA. 4+50			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>See Signature</i>	9/26/04	Liquid Waste
A.C.E. - Design	<i>See Signature</i>	9/26/04	Traffic
A.C.E. - Hydrology	<i>See Signature</i>	9/26/04	Water
DRAWING NO. 1671		MAP NO. K-18-Z, L-18-Z	
SHEET 45		OF 67	



PLAN
SCALE: 1" = 20'

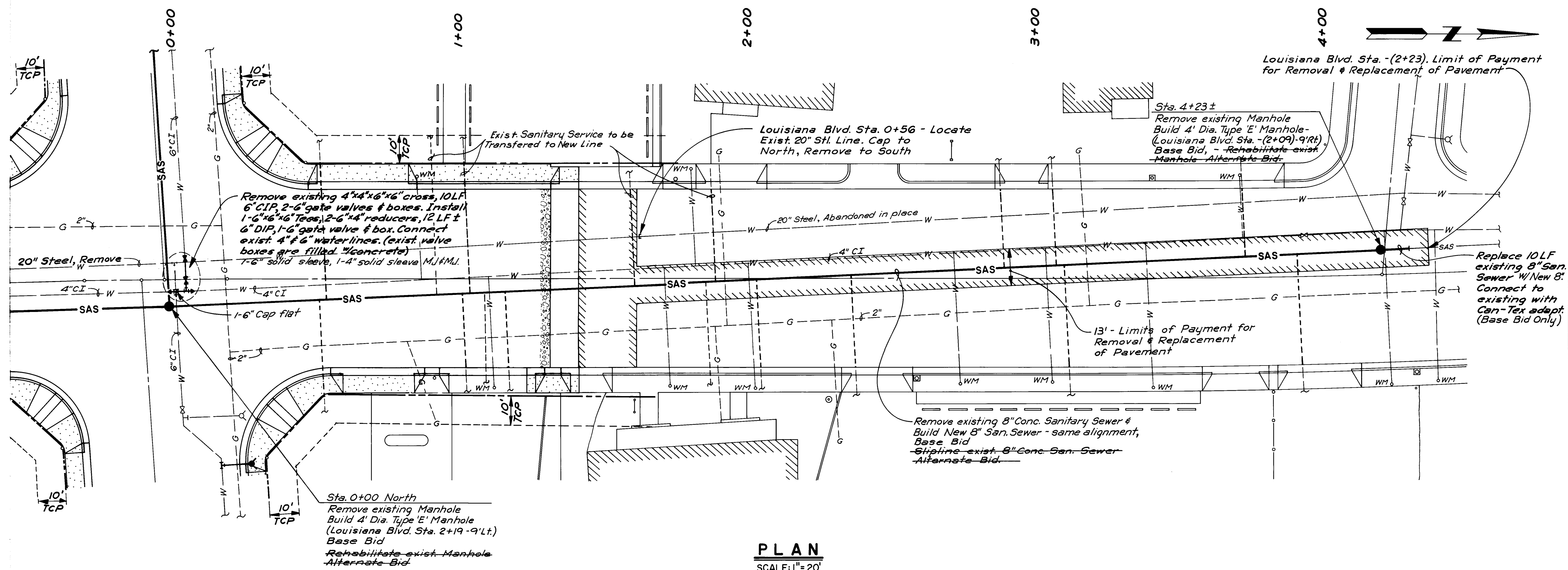


NOTE:
Manholes, Catch Basins & RCP shown to be By Others are to be constructed under "Fairgrounds Storm Water Relief System", City of Albu. Project No. 1823, which will be constructed at approx. the same time as this project.

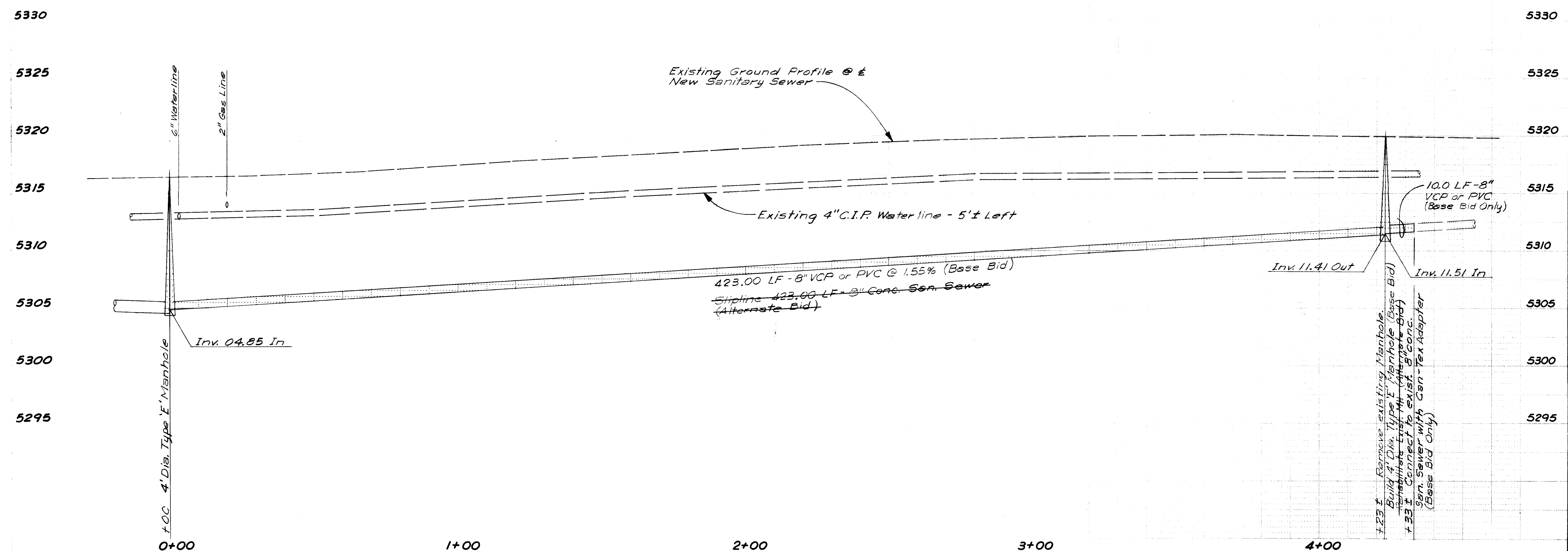
RECORD DRAWING

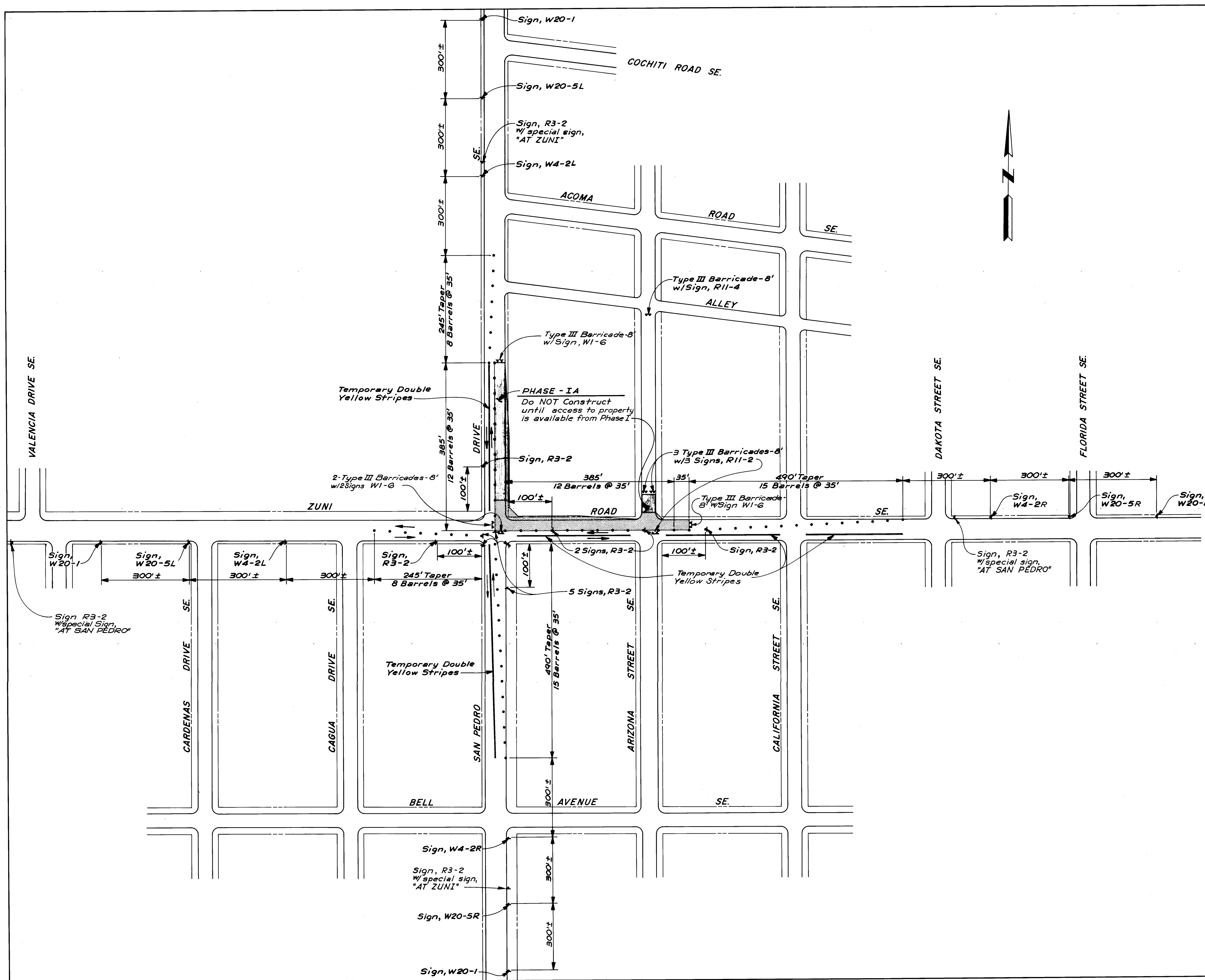
CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT			
INTERSECTION RECONSTRUCTION ZUNI ROAD & LOUISIANA BOULEVARD NEW MEXICO PROJECT #ES-0008(20)			
UTILITIES-PLAN & PROFILE-ZUNI RD. STA. 4+50 TO STA. 5+30			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>See Title Sheet</i>	7/26/84	Liquid Waste
A.C.E.-Design	<i>See Title Sheet</i>	7/26/84	Traffic
A.C.E.-Hydrology	<i>See Title Sheet</i>	7/26/84	Water
DESIGNED BY	DATE	DRAWN BY	DATE
CHECKED BY	DATE	CHECKED BY	DATE
DRAWING NO. 1671		MAP NO. K-18-Z, L-18-Z, K-19-Z, L-19-Z	
SHEET 46		OF 67	

BENCH MARKS		AS BUILT INFORMATION	
ACS Sta. 7-K19, Elevation 5323.31	Standard Brass Cap in median on Central Ave. 65.5' East of Louisiana Blvd. centerline.	CONTRACTOR	J.H. Pen & Son, Inc.
DATE	DATE	INSPECTOR'S	DATE
NO.	BY	ACCURACY	DATE
REVISIONS		VERIFICATION BY	DATE
DESIGN		COMPLETED BY	DATE
DESIGNED BY		RECORDED BY	DATE
DRAWN BY		NO.	DATE
CHECKED BY		DATE	DATE



LOUISIANA BOULEVARD NORTH OF ZUNI ROAD

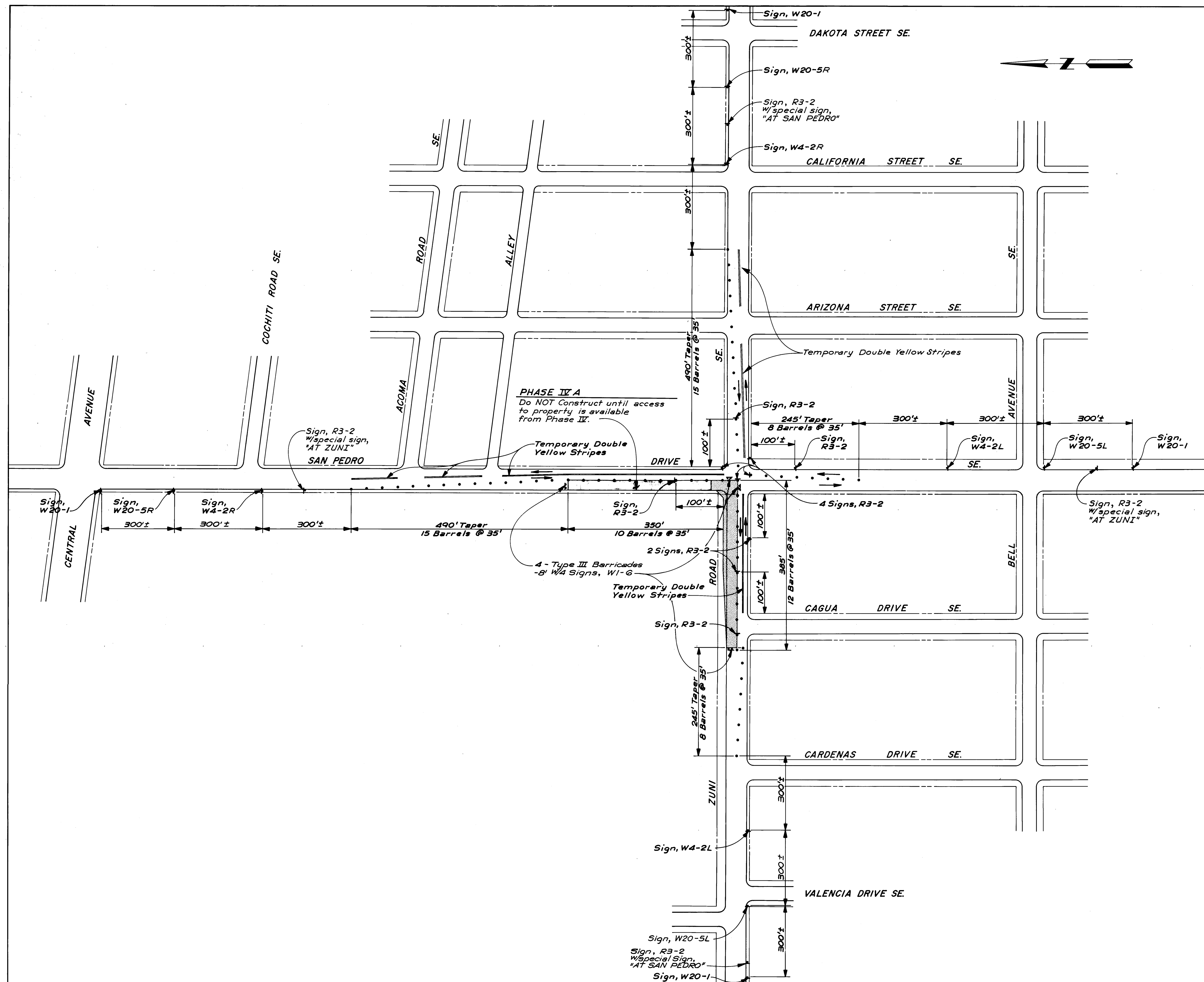




26 14714907
RECORD DRAWING

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
INTERSECTION RECONSTRUCTION ZUNI ROAD & SAN PEDRO DRIVE NEW MEXICO PROJECT HES-0005(20) PAVEMENT CONSTRUCTION SIGNING - PHASE I					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>See Title Sheet</i>		Liquid Waste	N/A RGF	9/26/04
A.C.E. - Design	<i>See Title Sheet</i>	7/24/04	Traffic	Daniel W. Hume	9/26/04
A.C.E. - Hydrology	<i>See Title Sheet</i>	7/24/04	Water	N/A RGF	9/26/04
DRAWING NO. 1671		MAP NO. K-18-Z, L-18-Z		SHEET 49 OF 67	

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		NO.	BY	DATE	DATE	CONTRACTOR	DATE
						WORK STATED BY	DATE
						FIELD ACCEPTANCE BY	DATE
						FIELD CORRECTION BY	DATE
REVISIONS		MICRO-FILM INFORMATION		RECORDED BY		NO.	
NO.	DATE	REMARKS	BY	DATE	DATE		
		DESIGN					
		DRAWN BY					
		CHECKED BY					



26 16715287
RECORD DRAWING

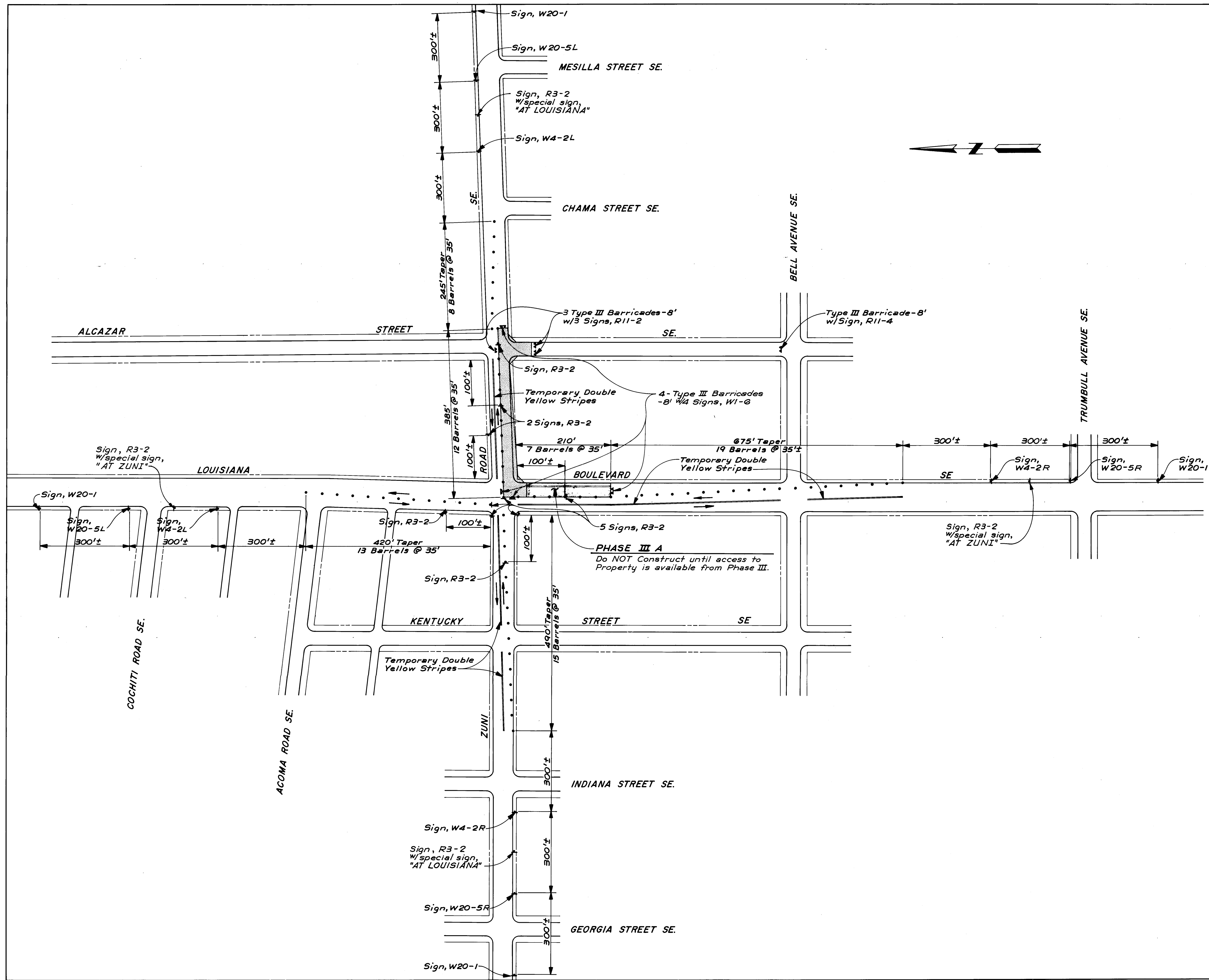
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CITY OF ALBUQUERQUE
TRANSPORTATION DEPARTMENT

INTERSECTION RECONSTRUCTION
ZUNI ROAD & SAN PEDRO DRIVE
NEW MEXICO PROJECT HES-000S(20)
PAVEMENT CONSTRUCTION SIGNING-PHASE IV

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>		Liquid Waste	N/A RGF	9/26/84
A.C.E. - Design	<i>[Signature]</i>	9/26/84	Traffic	NA DMH	9/26/84
A.C.E. - Hydrology	<i>[Signature]</i>	9/26/84	Water	N/A RGF	9/26/84

DRAWING NO.	1671	MAP NO. K-18-Z, L-18-Z	SHEET 52	OF 67
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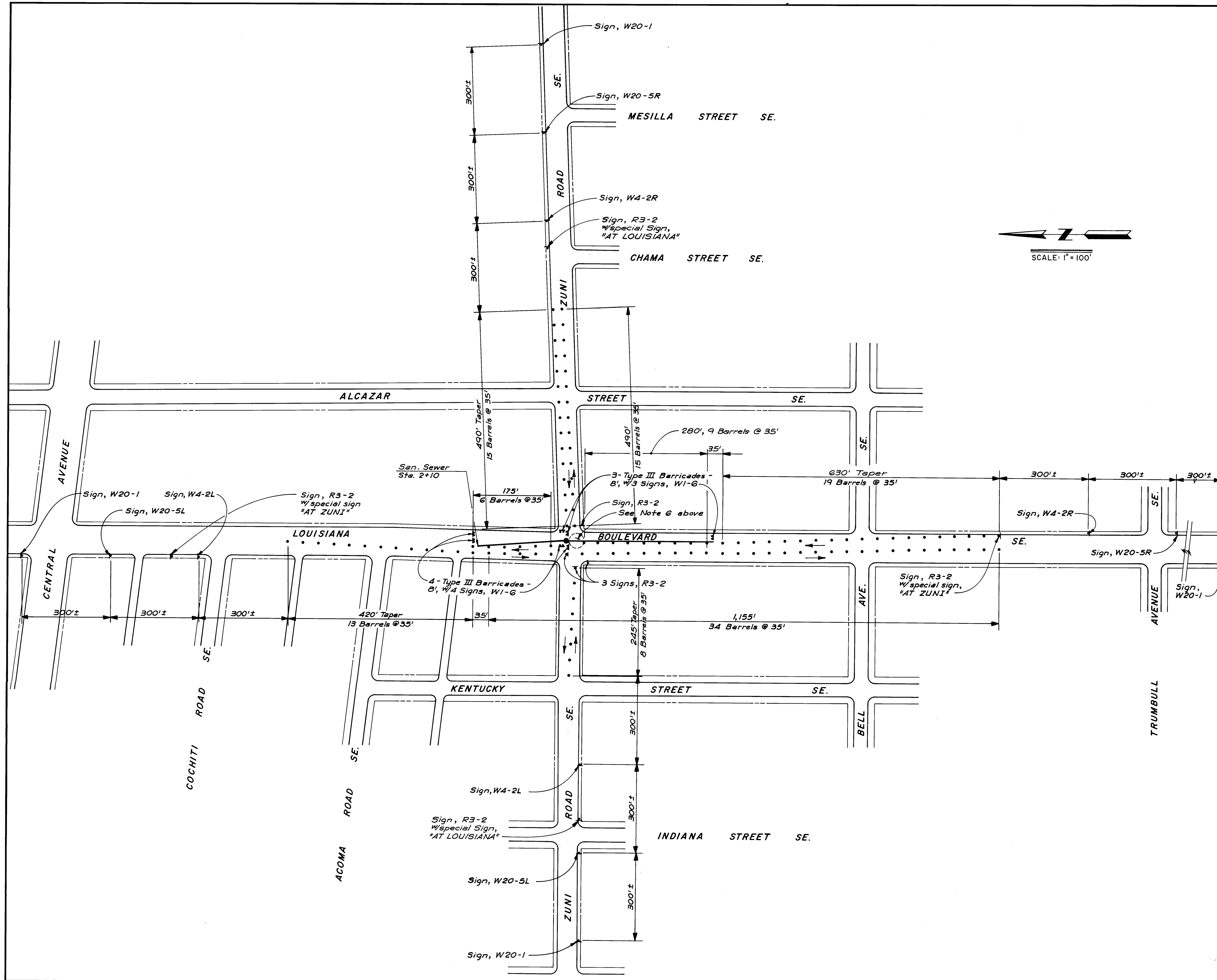
26 16715507
RECORD DRAWING

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
INTERSECTION RECONSTRUCTION ZUNI ROAD & LOUISIANA BOULEVARD NEW MEXICO PROJECT HES-0005(20) PAVEMENT CONSTRUCTION SIGNING - PHASE III					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	9/26/94	Liquid Waste	<i>[Signature]</i>	9/26/94
A.C.E. - Design	<i>[Signature]</i>	9/26/94	Traffic	<i>[Signature]</i>	9/26/94
A.C.E. - Hydrology	<i>[Signature]</i>	9/26/94	Water	<i>[Signature]</i>	9/26/94
DRAWING NO.	1671	MAP NO.	K-18-Z, L-18-Z K-19-Z, L-19-Z	SHEET	55 OF 67

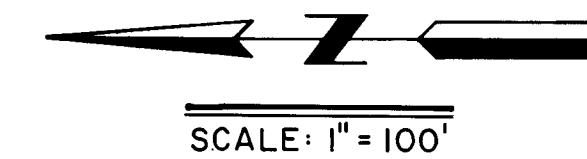
SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	BY	DATE	ACS Sta. 7+K19, Elevation 5223.31 Standard Brass Cap in median on Central Ave. 65.5' East of Louisiana Blvd. centerline.	CONTRACTOR	J.H. Ryan & Son, Inc.
				WORK STATED BY	Contractor
				DATE	
				FIELD	ACCEPTANCE BY
				DATE	
				REVISION	DATE
				BY	
				DATE	
				CORRECTED BY	
				DATE	
				RECORDED BY	
				DATE	
				NO.	

ANDREWS, ASBURY & ROBERT, INC.
ALBUQUERQUE, NEW MEXICO

NO.	DATE	REMARKS	BY
		DESIGN	
		DESIGNED BY	
		DRAWN BY	
		CHECKED BY	



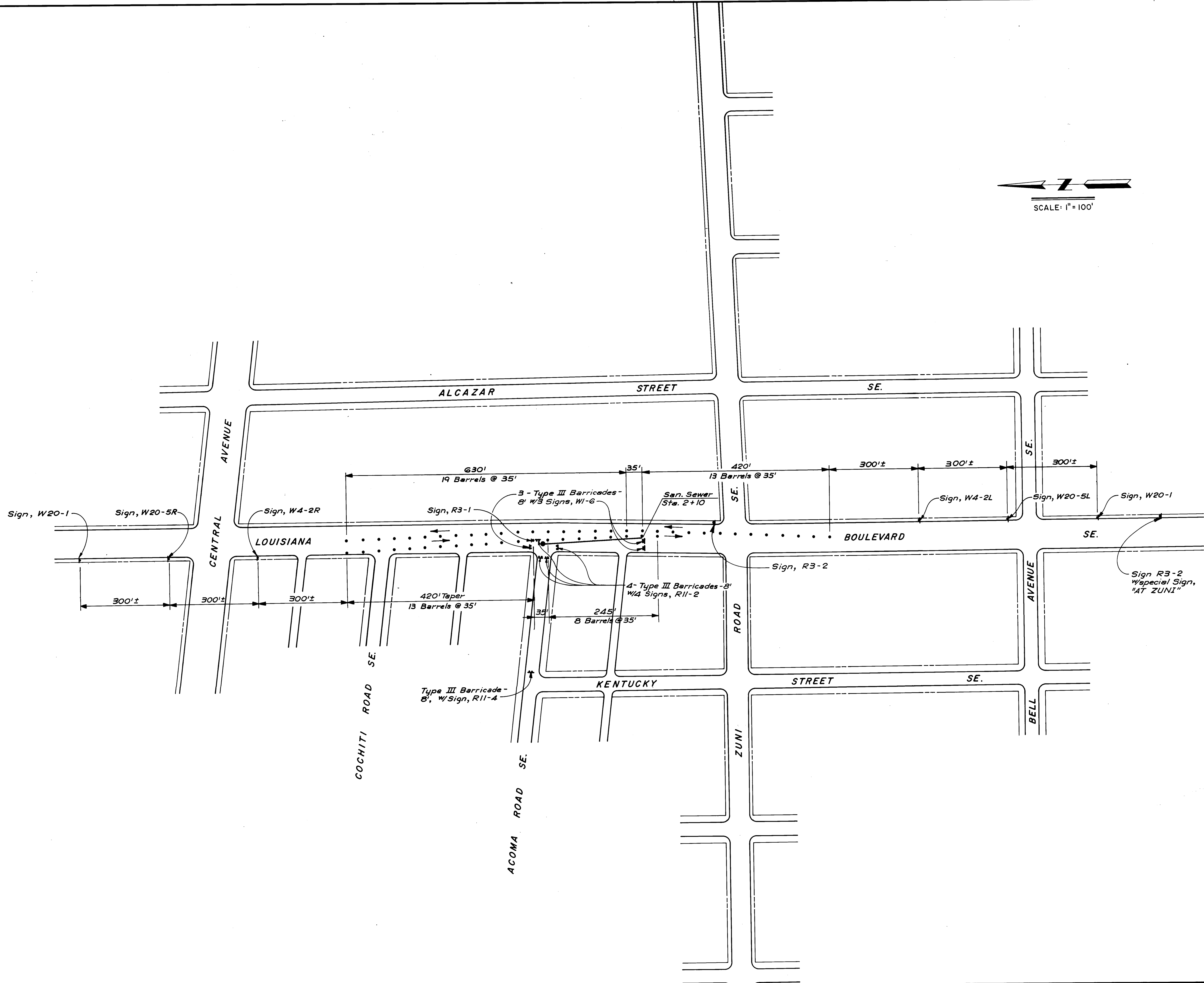
- NOTES:**
- DIVERT FLOW IN 8" LINE TO WEST AT ALLEY BETWEEN COCHITI & ACOMA.
 - PUMP FROM MH STA 3+30 (SOUTH OF ZUNI ROAD) TO MH AT INTERSECTION OF KENTUCKY & ZUNI WHILE CONSTRUCTING TEMPORARY BY-PASS OF MH IN ZUNI/LOUISIANA INTERSECTION. THIS WILL REQUIRE COMPLETE CLOSURE OF ZUNI/LOUISIANA INTERSECTION. A MAXIMUM OF FOUR (4) HOURS WILL BE ALLOWED FOR THIS PROCEDURE WHICH MUST BE CARRIED OUT BETWEEN 7:30 PM & 6:00 AM. SEE DETOUR PLAN, SHEET.
 - CONSTRUCT MH IN ZUNI/LOUISIANA INTERSECTION. (THIS IS THE TRAFFIC CONTROL PATTERN SHOWN ON THE DRAWING.)
 - CONNECT 12" SANITARY SEWER TO WEST & TEMPORARILY CONNECT 12" SANITARY SEWER FROM SOUTH INTO NEW MH. THIS WILL REQUIRE PUMPING & DETOURS AS INDICATED IN NOTE 2 ABOVE.
 - CONSTRUCT 8" SANITARY SEWER TO STA 2+10. THE TRAFFIC CONTROL PLAN SHOWN ON THIS SHEET IS ALSO FOR THIS CONDITION. THE TRAFFIC CONTROL DEVICES ON ZUNI SHALL BE REMOVED AS SOON AS CONSTRUCTION CLEARS THE LOUISIANA BLVD. CURB RETURN PC TO THE NORTH. TEMPORARILY CONNECT TO THE EXISTING 8" SANITARY SEWER AT STA 2+10.
 - CONSTRUCT THE 12" SANITARY SEWER TO THE SOUTH. MAINTAINING BY-PASS PUMPING. TRAFFIC CONTROL ON ZUNI MUST BE REVERSED FROM THAT SHOWN ON THIS SHEET (I.E. ROUTE TRAFFIC ON THE NORTH SIDE OF ZUNI THROUGH THE LOUISIANA INTERSECTION. PLACE 490' TAPER ON WEST & PLACE 245' TAPER ON EAST).



26 16716087
RECORD DRAWING

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
INTERSECTION RECONSTRUCTION ZUNI ROAD & LOUISIANA BOULEVARD NEW MEXICO PROJECT HES-0005(20) UTILITIES CONSTRUCTION SIGNING - PHASE II					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>San. John</i>		Liquid Waste	<i>W. R. F.</i>	9/20/84
A.C.E. - Design	<i>W. R. F.</i>	9/20/84	Traffic	<i>David M. Hume</i>	9/20/84
A.C.E. - Hydrology	<i>San. John</i>	9/20/84	Water	<i>W. R. F.</i>	9/20/84
DRAWING NO.	1671	MAP NO.	K-18-Z, L-18-Z K-19-Z, L-19-Z	SHEET	60 OF 67

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		DATE		CONTRACTOR	
		BY		DATE		INSPECTOR	
		NO.		DATE		DATE	
		REVISIONS		DATE		DATE	
		DESIGN		DATE		DATE	
		CHECKED BY		DATE		DATE	
		J/V		DATE		DATE	
		J/A		DATE		DATE	



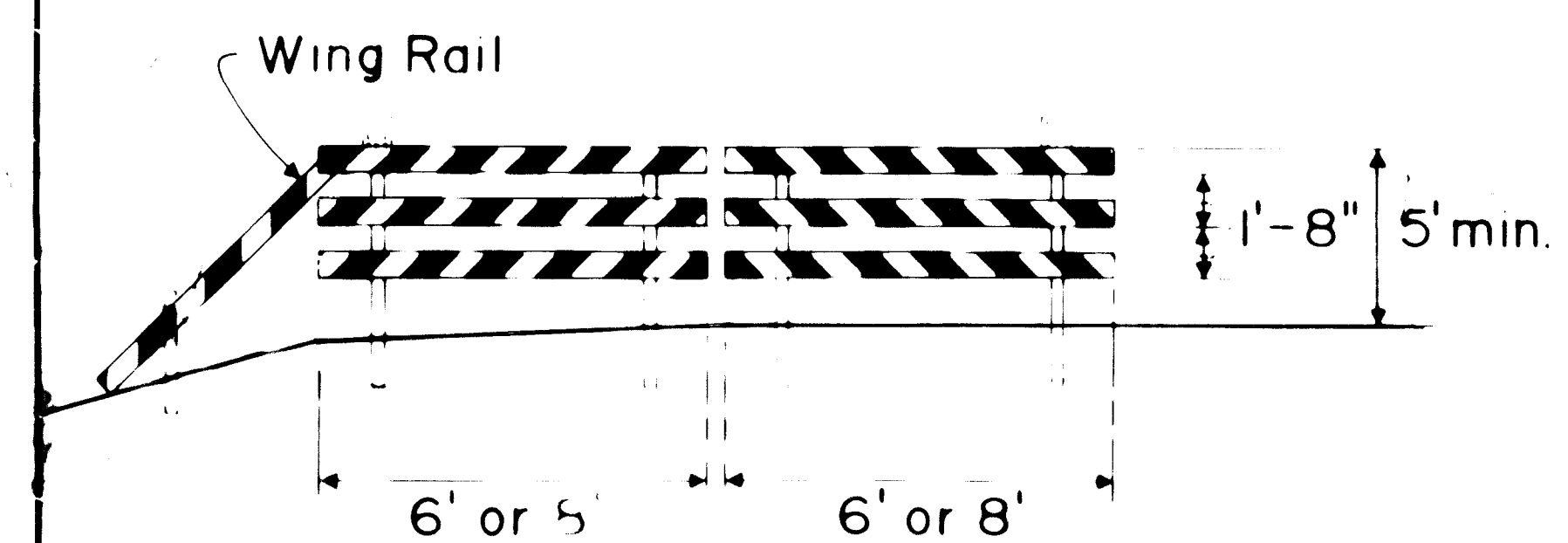
20 16 7 16 18 7
RECORD DRAWING

CITY OF ALBUQUERQUE TRANSPORTATION DEPARTMENT					
INTERSECTION RECONSTRUCTION ZUNI ROAD & LOUISIANA BOULEVARD NEW MEXICO PROJECT HES-000S(20) UTILITIES CONSTRUCTION SIGNING - PHASE III					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	7/26/84	Liquid Waste	<i>[Signature]</i>	7/26/84
A.C.E. - Design	<i>[Signature]</i>	7/26/84	Traffic	<i>[Signature]</i>	7/26/84
A.C.E. - Hydrology	<i>[Signature]</i>	7/26/84	Water	<i>[Signature]</i>	7/26/84
DRAWING NO.	1671	MAP NO.	K-18-Z, L-18-Z K-19-Z, L-19-Z	SHEET	61 OF 67

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		ACS Sta. 7-K19, Elevation 5223.31		CONTRACTOR J.H. Ryan & Son, Inc.	
		BY		Standard Brass Cap in median on Central Ave. @ 5.5' East of Louisiana Blvd. centerline.		INSPECTED BY Contractor	
		NO.				ACCEPTANCE BY	
		DATE				DATE	
REVISIONS		DATE		DATE		DATE	
DESIGN		J/V		J/V		J/V	
DRAWN BY		J/V		J/V		J/V	
CHECKED BY		J/V		J/V		J/V	
DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE	
DATE		DATE		DATE		DATE	

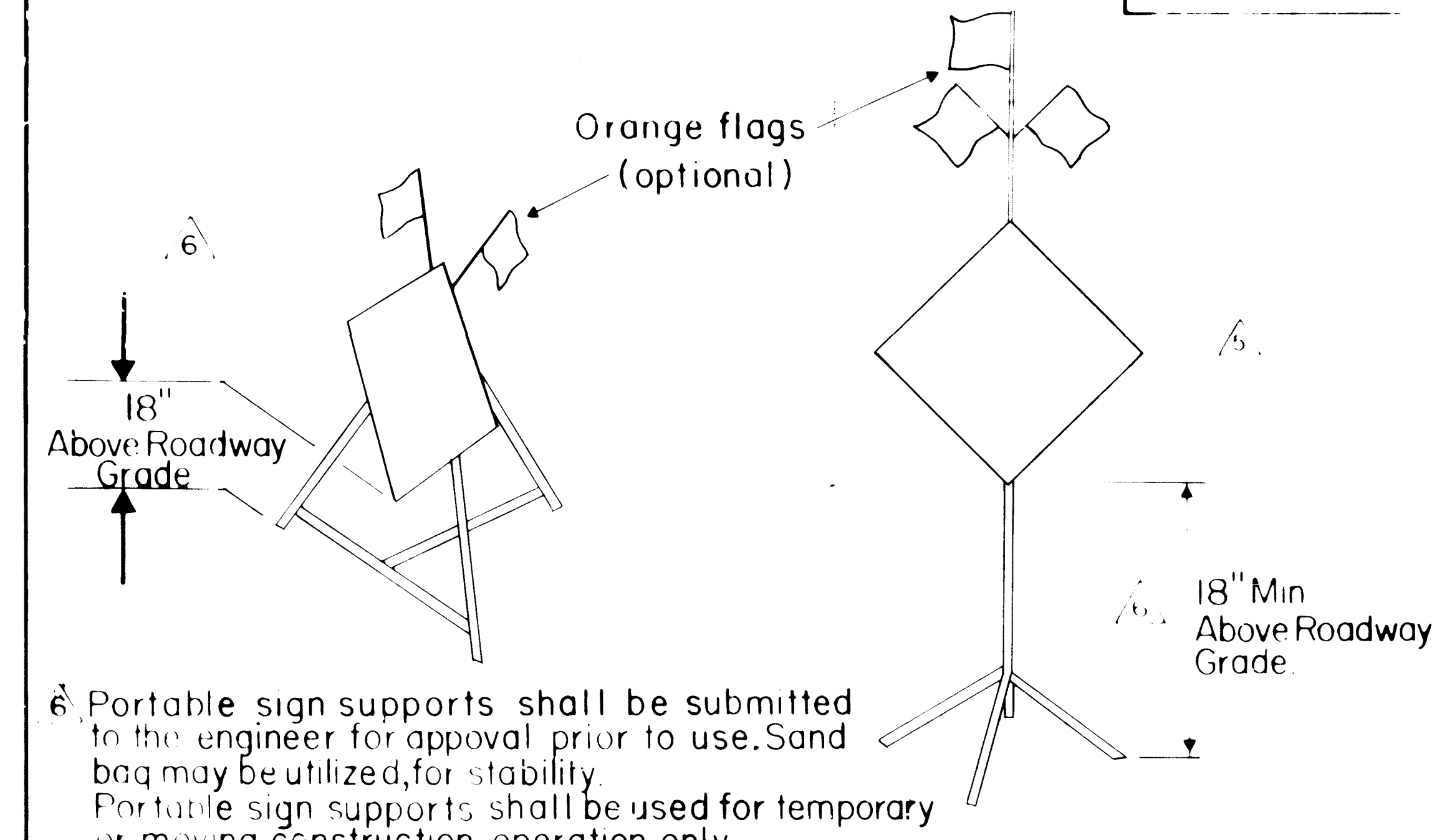
Stands may be detachable for portability. Type "I" Barricades have two (2) reflectorized rail faces (one in each direction). The stand materials may be metal, wood or other suitable light weight materials of structural soundness.

TYPICAL
TYPE "I" BARRICADE



Type "III" Barricades have 3 reflectorized rail faces when facing traffic in one direction, 6 if facing traffic in two directions. Wing Rail may be fitted to the back of the top rail attached by two 5/16" bolts, nuts, and washers.

TYPICAL
FIXED TYPE "III" BARRICADE



Portable sign supports shall be submitted to the engineer for approval prior to use. Sand bag may be utilized for stability. Portable sign supports shall be used for temporary or moving construction operation only.

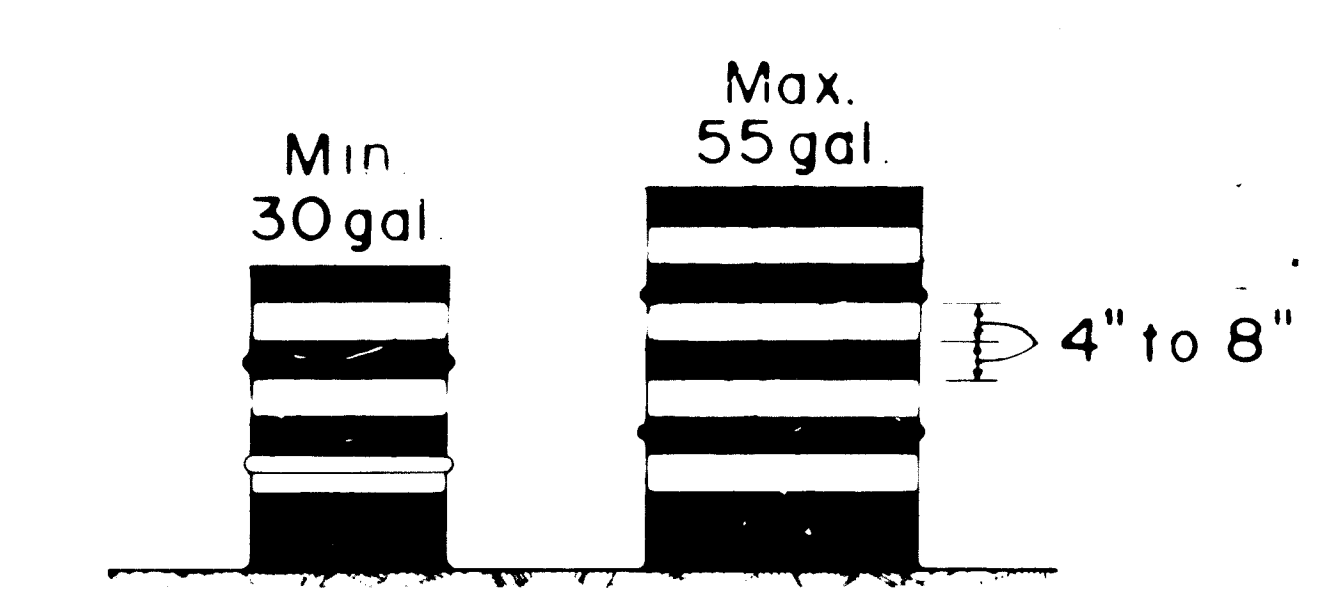
PORTABLE SIGN SUPPORT (TYPICAL)

Type "II" Barricades have four (4) reflectorized rail faces (two in each direction). Folding stands shall be of materials similar to Type "I" Barricade stands.

TYPICAL
TYPE "II" BARRICADE

BARRICADES - CHARACTERISTICS

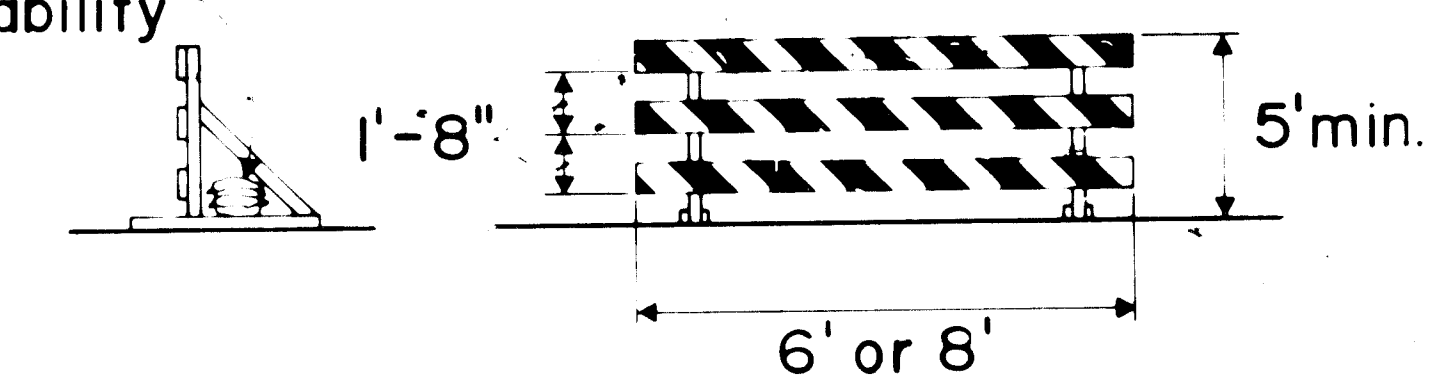
	I	II	III
WIDTH OF RAIL	8" min.-12" max.	8" min.-12" max.	8" min.-12" max.
LENGTH OF RAIL	6' to 8'	3' min.-4' max.	6' or 8'
WIDTH OF STRIPES	6 ins.	6 ins.	6 ins.
HEIGHT	3 ft. min.	3 ft. min.	5 ft. min.
TYPE OF FRAME	Demountable or heavy "A" frame	Light "A" frame	Posts or skids
FLEXIBILITY	Essentially movable	Portable	Essentially permanent



With three (3) orange stripes minimum and alternating white stripes, all reflective tape or sheeting.

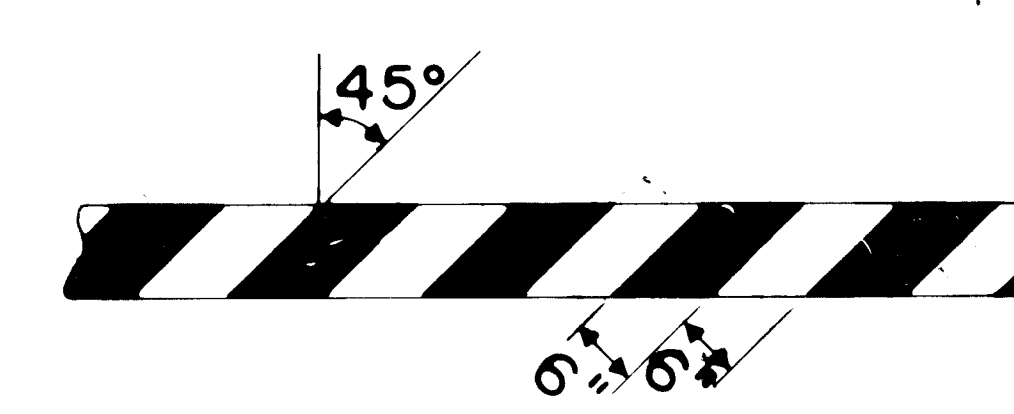
CHANNELIZATION DEVICES
(BARRELS)

Sand bags for added stability



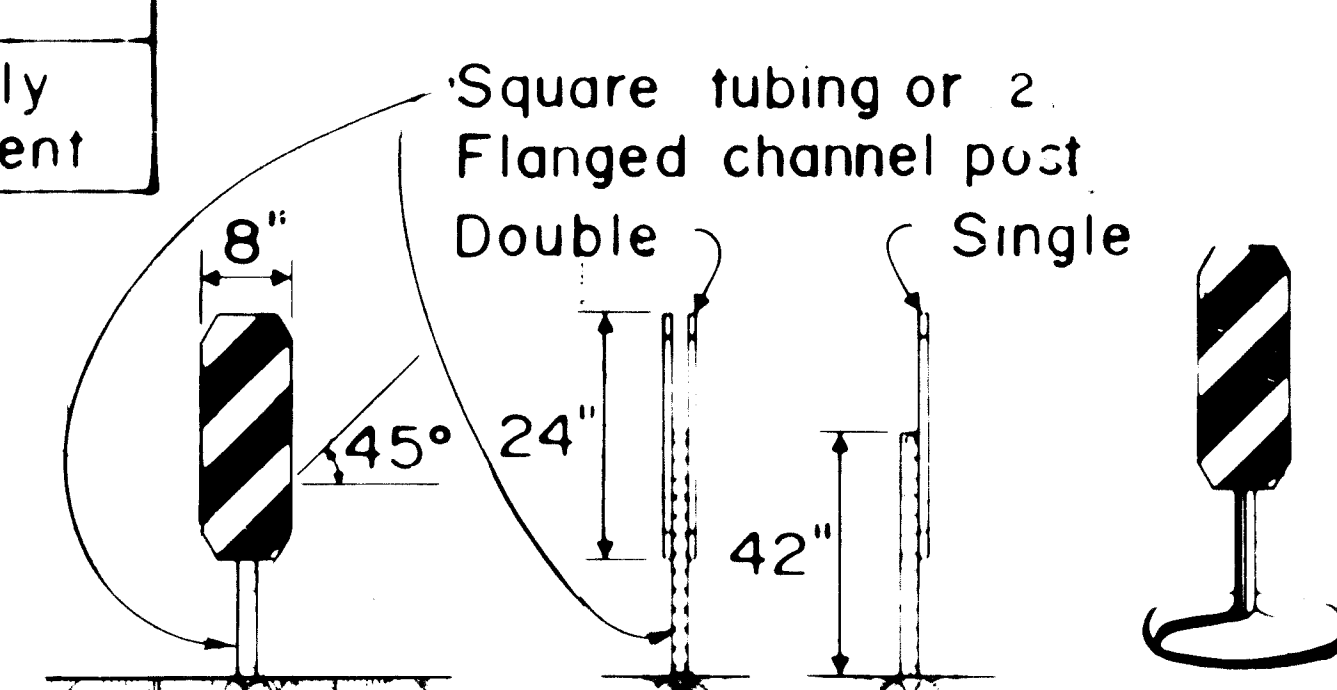
Type "III" Barricade framing and supports shall be 2"x2" min. -12Ga., square metal tubing or driven down posts.

TYPICAL
MOVABLE TYPE "III" BARRICADE



Rail shall be 1/2" min. 5 ply sign grade plywood or 2" x 8" S4S quality wood. On Types "I" and "II", metal rails, if used, must be light weight material, commensurate with structural soundness. Stripes shall slant downward at 45° toward the side which traffic is to pass.

DETAIL OF BARRICADE
RAIL STRIPING



Panels to be 0.060 min., 6061-T6, or 5052-H38 aluminum alloy mounted on 1 1/2" min. square steel tubing post or 1.33 lb/ft min. flanged channel post. Stripes shall slant downward at 45° toward the side which traffic is to pass. For temporary installation the post may be set to 3 ft. below ground or the panels may be mounted on stanchions.

CHANNELIZATION DEVICES
(VERTICAL PANELS)

RECORD DRAWING

126 AG-716387

GENERAL NOTES
1. All signs, sign materials, beacons, and barricade warning lights shall conform to the standards set forth in the M.U.T.C.D. 1978 edition.

2. The entire area of orange and white stripes shall be reflectorized on all barricades, barrels, vertical panels or other channelization devices used on construction, detours, or participating connections, by use of reflective sheeting or tape.

3. Red and white barricades may be used to mark the end of a road, street, or highway where there is no crossroad or outlet or locations considered permanent and semi-permanent closures or termination of roadways.

4. Flashing beacons or steady burn lights, when used on barricades, shall be positioned above the top rail of the barricade, facing traffic.

5. High intensity flashing beacons shall be used to mark obstructions or hazards. Type "C" steady burn light may be used for delineation at night.

6. All barricade framing and supports other than galvanized metal shall be painted white.

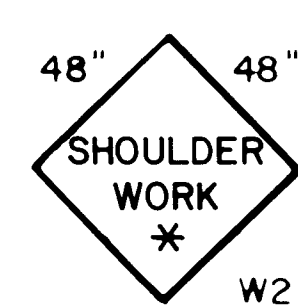
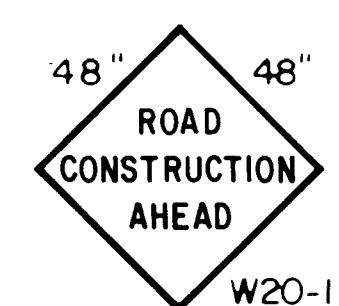
REVISION NO.	DESCRIPTION	DATE
1	REVISED PORT SIGN SUPPORT DETAILS	11/24/77
2	REVISED PORT SIGN SUPPORT DETAILS	11/24/77
3	REVISED NOTE NO. 1	11/24/77
4	ADDED 5052-H38 ALUMINUM ALLOY	5-2-78
5	ADDED 1 1/2" TO CHANNEL POST	5-2-78
6	REMOVED SIGN CLEARANCE DIMENSION	5-2-78
REVISIONS (OR CHANGE NOTICES)		
NEW MEXICO STATE HIGHWAY DEPARTMENT		
BARRICADES AND CHANNELIZATION DEVICES		
APPROVED	TRAFFIC ENGINEER	DATE
APPROVED	DESIGNER	DATE
SHEET 63 OF 67		

1671
1/29/82

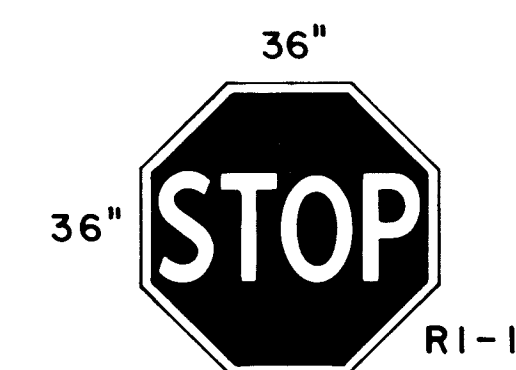
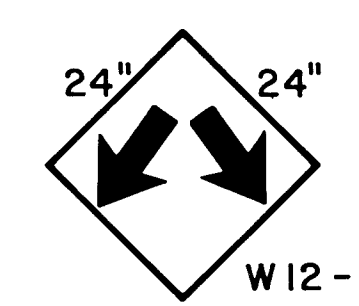
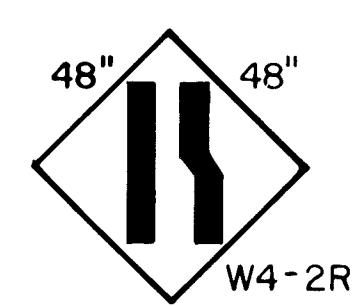
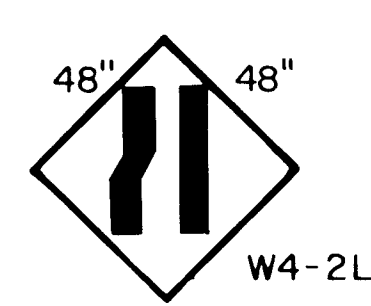
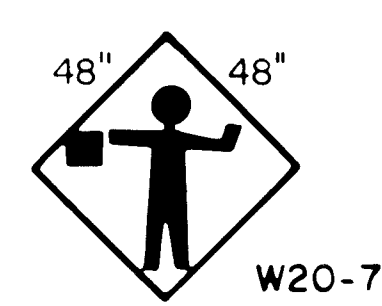
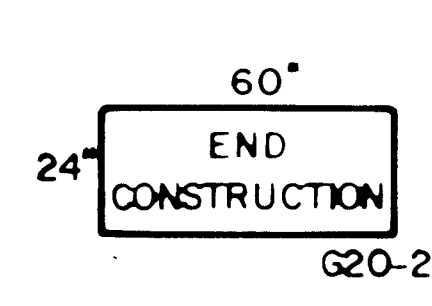
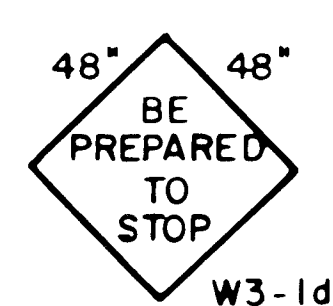
DESIGNED BY T.G.M.
DRAWN BY T.G.M.
CHECKED BY T.G.M.

SIGN FACE DETAILS*

* - NOT ALL SIGNS ARE UTILIZED IN THESE PLANS.



* - 1500 FT.
750 FT.

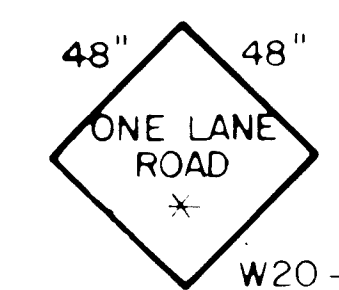
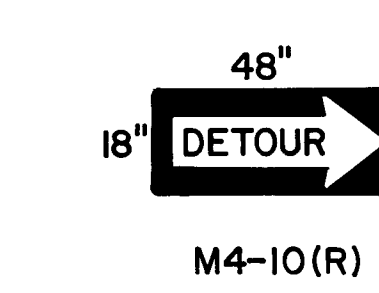
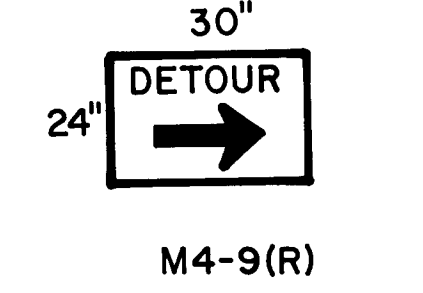
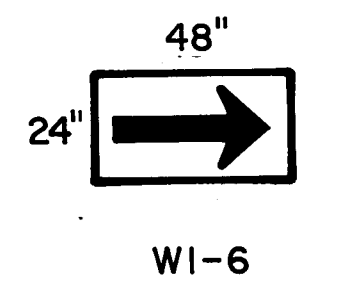
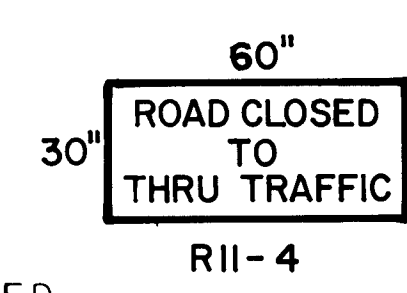
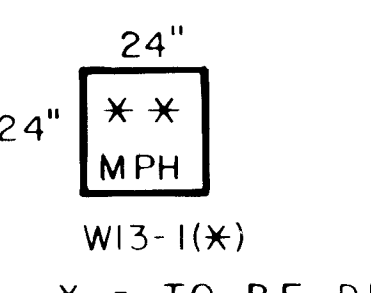
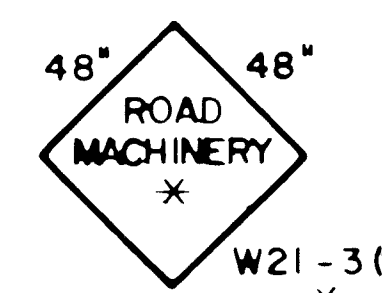
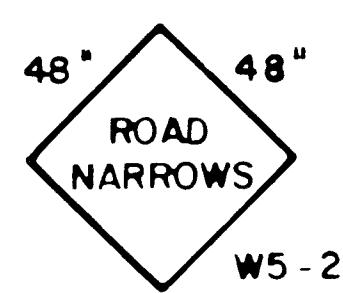
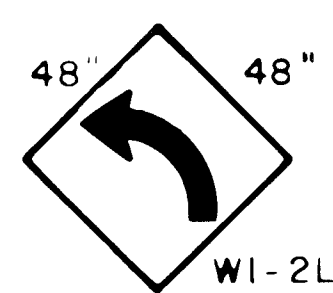
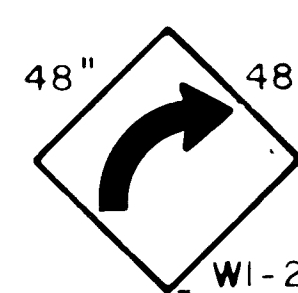
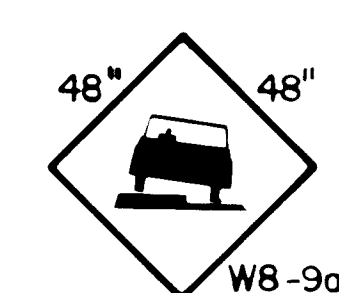
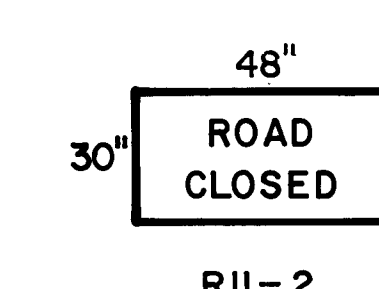
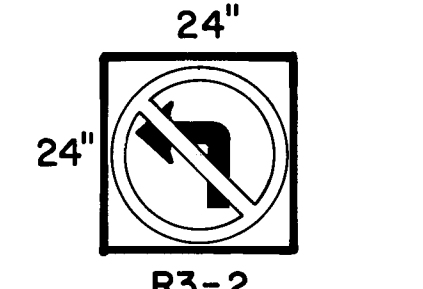
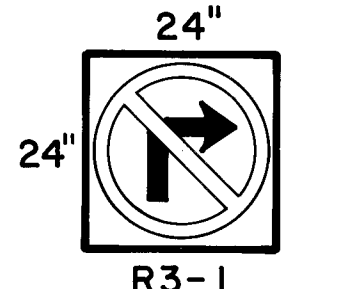
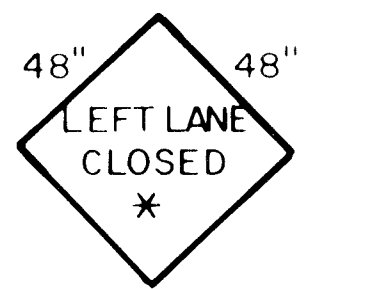
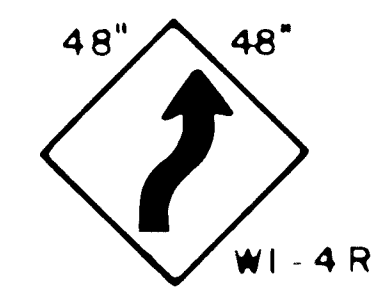
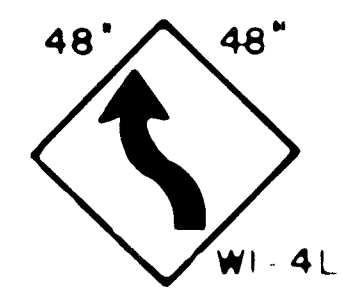
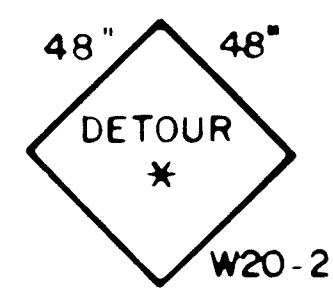
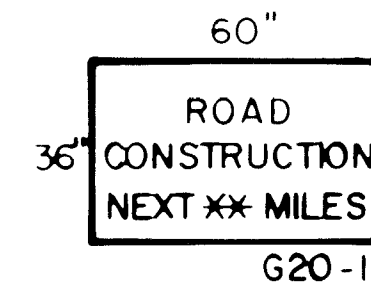
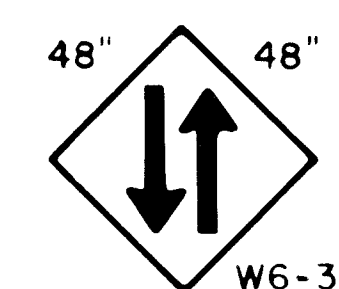


48"
AT
LOUISIANA

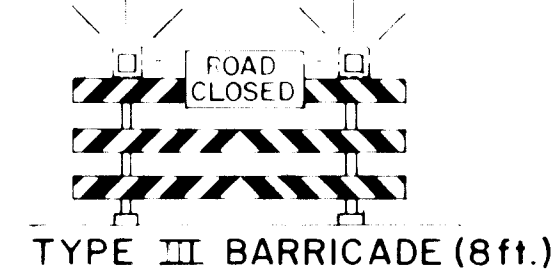
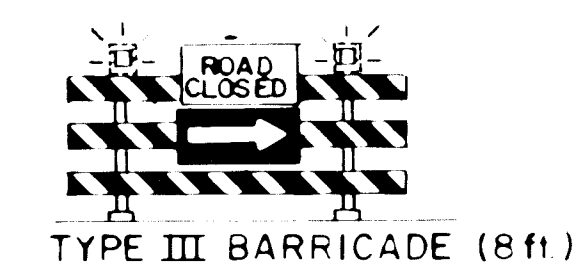
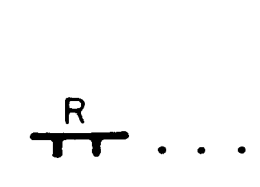
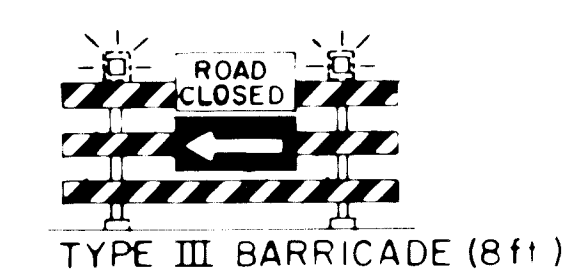
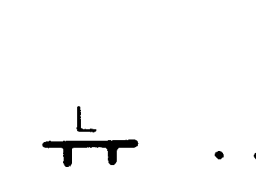
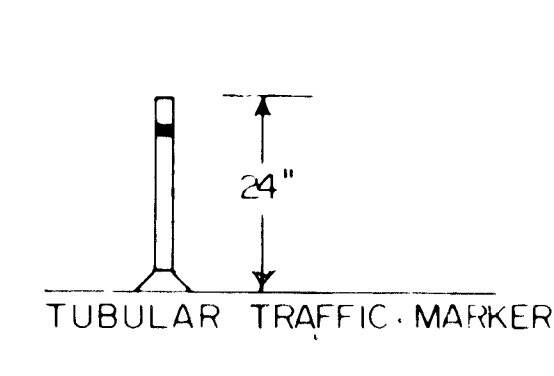
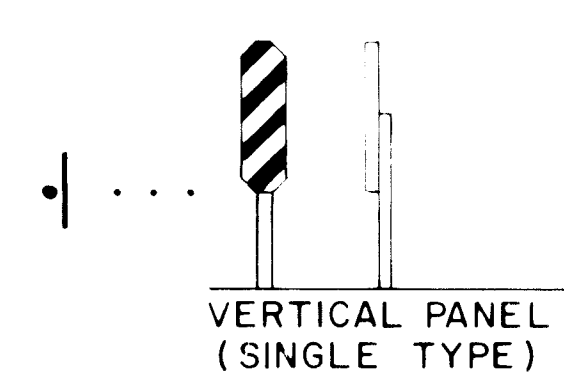
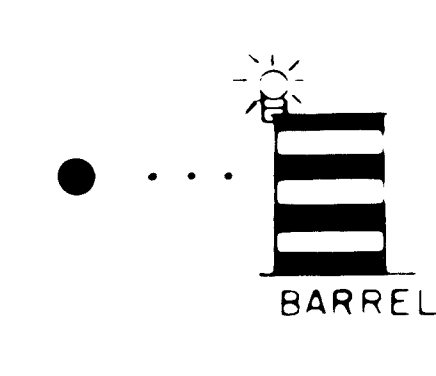
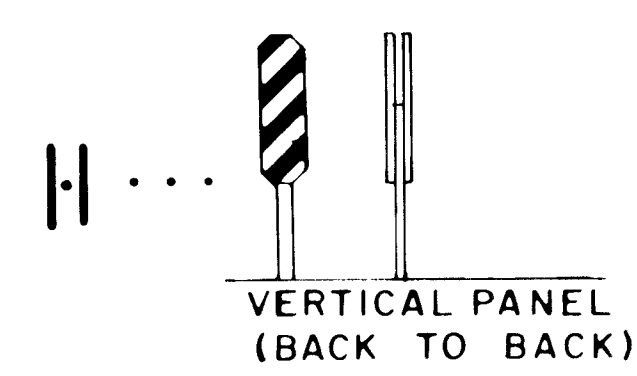
48"
AT
SAN PEDRO

48"
AT
ZUNI

SPECIAL SIGNS



* - AHEAD



26 16716487
RECORD DRAWING

NEW MEXICO
STATE HIGHWAY DEPARTMENT
TRAFFIC DESIGN BUREAU
CONST. TRAFFIC CONTROL PLAN
SIGN FACE DETAILS
FOR CONSTRUCTION

SHEET 64 OF 67

1671

9/6/82

SIGN CODE	N° OF SIGNS	TOTAL SIGN AREA SQ. FT.	POST LENGTHS				MOUNTING REQUIREMENTS						PORTABLE SIGN SUPPORT
			LEFT	CTR.	RIGHT	TOTAL	FLANGED CHANNEL			DRIVEDOWN POSTS 0.1345 THICK			
							2.25 Lb/Ft.	3.00 Lb/Ft.	4.00 Lb/Ft.	2 3/16" X 2 3/16"	2 1/2" X 2 1/2"		
ZUNI & SAN PEDRO PAVEMENT CONSTRUCTION SIGNING - PHASE I													
R3-2	14	56											14
R11-2	3	30	(For Contractors Information Only - Not Included in Totals)										
R11-4	1	(12.5)											
W4-2R	2	32											2
W4-2L	2	(32)											2
W20-1	4	64											4
W20-5R	2	32											2
W20-5L	2	(32)											2
W1-6	4	32	(For Contractors Information Only - Not Included in Totals)										
"At Zuni"	2	16											*
"At San Pedro"	2	16											*
TOTALS:		292.5											26
ZUNI & SAN PEDRO PAVEMENT CONSTRUCTION SIGNING - PHASE II													
R3-2	14	(56)											(14)
R11-2	3	30	(For Contractors Information Only - Not Included in Totals)										
R11-4	1	(12.5)											
W1-6	4	32	(For Contractors Information Only - Not Included in Totals)										
W4-2R	2	(32)											(2)
W4-2L	2	(32)											(2)
W20-1	4	(64)											(4)
W20-5R	2	(32)											(2)
W20-5L	2	(32)											(2)
"At Zuni"	2	(16)											*
"At San Pedro"	2	(16)											*
TOTALS:		292.5											26
ZUNI & SAN PEDRO PAVEMENT CONSTRUCTION SIGNING - PHASE III													
R3-2	12	(48)											(12)
R11-2	2	20	(For Contractors Information Only - Not Included in Totals)										
R11-4	1	(12.5)											
W1-6	4	32	(For Contractors Information Only - Not Included in Totals)										
W4-2R	2	(32)											(2)
W4-2L	2	(32)											(2)
W20-1	4	(64)											(4)
W20-5R	2	(32)											(2)
W20-5L	2	(32)											(2)
"At Zuni"	2	(16)											*
"At San Pedro"	2	(16)											*
TOTALS:		284.5											24

- NOTES:
1. TRAFFIC CONTROL PLAN AND QUANTITIES MAY VARY AS FIELD CONDITIONS DICTATE. THE CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES USED, PLACING, RELOCATION AND MAINTENANCE OF TRAFFICE CONTROL DEVICES, AS SHOWN ON THE PLANS OR AS DIRECTED BY THE PROJECT MANAGER, ARE TO BE INCIDENTAL TO THE UNIT BID PRICE.
 2. ALL TRAFFIC CONTROL DEVICES FOR DETOURS SHALL COMPLY WITH STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION - SECTION 702 (1976 EDITION) AND CHAPTER IV OF THE 1978 EDITION MUTCD.
 3. ALL CONSTRUCTION SIGNING SHALL BE BLACK ON REFLECTIVE ORANGE UNLESS OTHERWISE SPECIFIED. ALL CONSTRUCTION BARRICADES AND CHANNELIZATION DEVICES SHALL BE ORANGE ON WHITE REFLECTORIZED UNLESS OTHERWISE SPECIFIED.
 4. BID ITEM - STEEL POSTS AND BASE POSTS FOR DETOUR SIGNS. THE CONTRACTOR SHALL HAVE THE OPTION OF SUPPLYING EITHER THE FLANGED CHANNEL OR THE DRIVEDOWN POST CROSS-SECTION INDICATED. ANY PORTION OF THE SIGN POST EXTENDING BELOW GROUND LEVEL SHALL BE CONSIDERED INCIDENTAL TO THE BID PRICE. BID UNIT-PER LINEAR FOOT.
 5. BID ITEM - TYPE III BARRICADE (6ft or 8ft), ORANGE ON WHITE REFLECTORIZED. ATTACHED PLYWOOD "ARROW" AND ROAD CLOSED" SIGNS AND ATTACHED TYPE "A" FLASHING BEACONS ARE TO BE INCIDENTAL TO BID PRICE. BID UNIT - PER EACH.
 6. BID ITEM - TYPE I BARRICADE (8ft), ORANGE ON WHITE REFLECTORIZED . ATTACHED HIGH INTENSITY FLASHING BEACONS ARE TO BE INCIDENTAL TO BID PRICE. BID UNIT - PER EACH.
 7. BID ITEM - VERTICAL PANEL, SINGLE TYPE (OR BACK-TO-BACK) 8" x 24" ORANGE ON WHITE REFLECTORIZED SHEETING ON .060 MIN. 6061 T-6 ALUMINUM MOUNTED ON DRIVEDOWN POST EITHER DRIVE 3 FT. OR ON STANCHION BID UNIT - PER EACH.
 8. FLAGGING SHALL BE PROVIDED FOR SAFETY AND/OR AS DIRECTED BY THE PROJECT MANAGER. FLAGGERS SHALL USE STOP/SLOW PADDLES (18" x 18" MIN.) IN ACCORDANCE WITH THE MUTCD.
 9. BID ITEM - CHANNELIZATION DEVICE BARREL - ORANGE ON WHITE REFLECTORIZED, ATTACHED TYPE "A" FLASHING BEACON OR STEADY BURN LIGHTS ARE TO BE INCIDENTAL TO BID PRICE BID UNIT PER EACH.
 10. IF THE CONTRACTOR ELECTS TO SUBMIT A TRAFFIC CONTROL PLAN DIFFERENT FROM WHAT IS SHOWN ON THE PLANS, THE DISTRIC OFFICE SHALL SUBMIT SAID TRAFFIC CONTROL PLAN TO THE GENERAL OFFICE (DESIGN BUREAU) FOR APPROVAL.
 11. THE PROVISIONS AS INCLUDED IN THE PLANS AND SPECIFICATIONS FOR HANDLING AND CONTROLLING TRAFFIC DURING CONSTRUCTION OF THE PROJECT MAY BE CHANGED BY THE ENGINEER IF, BECAUSE OF FIELD CONDITIONS AS ACTUALLY ENCOUNTERED, SUCH CHANGES ARE DESIRABLE AT THE DISCRETION OF THE PROJECT MANAGER. THESE CHANGES WILL BE MADE BY WRITTEN INSTRUCTIONS TO THE CONTRACTOR, AND SHALL BE CONSIDERED AN AMENDMENT TO THE PLANS AND SPECIFICATIONS, AS OF THE DATE OF THE CHANGE.
 12. NO ADDITIONAL PAYMENT SHALL BE MADE FOR ANY ADDITIONAL COST RESULTING FROM APPROVED CHANGE WITHOUT THE EXPRESS APPROVAL OF THE GENERAL OFFICE (DESIGN BUREAU).
 13. ITEM 704010 IS INCLUDED FOR PAVEMENT STRIPING BETWEEN SURFACING LIFTS AS DIRECTED BY THE PROJECT MANAGER.
 14. BID ITEM - SAND BARREL VEHICULAR IMPACT ATTENUATOR UNLESS OTHERWISE SPECIFIED SAND BARREL VEHICULAR IMPACT ATTENUATORS SHALL BECOME THE PROPERTY OF THE STATE OF NEW MEXICO ON COMPLETION OF CONSTRUCTION AND SHALL NOT REVERT TO THE CONTRACTOR. THIS ITEM SHALL BE STOCKPILED AT LOCATIONS DIRECTED BY THE PROJECT MANAGER.
 15. BID ITEM - PRECAST CONCRETE WALL BARRIER. UNLESS OTHERWISE SPECIFIED PRECAST CWB, WHEN USED FOR TRAFFIC CONTROL PURPOSES, SHALL BECOME THE PROPERTY OF THE STATE OF NEW MEXICO AND SHALL NOT REVERT TO THE CONTRACTOR. THIS ITEM SHALL BE STOCKPILED AT LOCATIONS DIRECTED BY THE ENGINEER.
 16. THE CONTRACTOR SHALL HAVE A "RESPONSIBLE PERSON" ON CALL AT ALL TIMES TO INSPECT AND MAINTAIN PROJECT TRAFFIC CONTROL.
 17. ALL NON-APPLICABLE SIGNING SHALL BE COMPLETELY COVERED WITH AN OPAQUE, NON-LIGHT TRANSMITTING MATERIAL, OR REMOVED. ALL REMAINING, NON-APPLICABLE, TRAFFIC CONTROL DEVICES ARE TO BE REMOVED AND STORED AT LOCATIONS DESIGNATED BY THE PROJECT MANAGER.
 18. THE CONTRACT SHALL PREPARE AND SUBMIT TO THE PROJECT ENGINEER A DETAILED DETOUR PLAN, WHICH IS SUBJECT TO THE APPROVAL OF THE CITY TRAFFIC ENGINEER, 3 WORKING DAYS IN ADVANCE OF ANY REQUIRED LANE CLOSURES OTHER THAN THOSE SHOWN ON THESE PLANS.
 19. ALL SIGNS MUST BE INSTALLED BEFORE CONSTRUCTION BEGINS AS DIRECTED BY THE ENGINEER. THE BOTTOM OF CONSTRUCTION WARNING SIGNS SHALL BE 7-FEET ABOVE THE SIDEWALK LEVEL.

20. ALL SIGNS, BARRICADES AND/OR BARRELS WILL BE REFLECTORIZED. ALL BARRELS MAY HAVE SAND OR WATER BALLAST LIMITED TO 100 LBS.
21. ALL SIGN LOCATION WILL BE SELECTED IN THE FIELD AND APPROVED BY THE PROJECT ENGINEER. DISTANCES MAY BE ADJUSTED FOR LOCATION CONDITIONS.
22. ALL SIGNS WILL BE GROUND MOUNTED ON SINGLE OR DOUBLE POSTS. EXISTING POSTS MAY BE USED AT SOME LOCATIONS, WITH THE APPROVAL OF THE PROJECT ENGINEER. PORTABLE SIGNS SUPPORTS WILL BE ACCEPTABLE AS AN ALTERNATE FOR SIGNS WHICH ARE IN PLACE LESS THAN 1 WEEK.
23. ALL SIGNS WILL BE MOVED FORWARD AS THE CONSTRUCTION PROGRESSES.
24. THE CONTRACTOR SHALL MAINTAIN ACCESS TO BUSINESS AND RESIDENCES ADJACENT TO THE CONSTRUCTION AREA.
25. WHEN BARRIERS ARE REQUIRED AFTER DARK, ALL ADVANCE WARNING SIGNS AND ALL BARRICADES SHALL BE EQUIPED WITH FLASHING WARNING LIGHTS (TYPE A), EXCEPT THAT ALL CHANNELIZING DEVICES SHALL HAVE STEADY FURING WARNING LIGHTS (TYPE C).
26. ALL EXISTING REGULATORY SIGNS THAT NEED TO BE REMOVED, RELOCATED OR REINSTALLED SHALL BE DONE BY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING DIVISION. THE CONTRACTOR SHALL NOTIFY THE TRAFFIC ENGINEERING DIVISION 3 WORKING DAYS IN ADVANCE OF ANY REQUIRED WORK.
27. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELING PEDESTRIAN TRAFFIC AROUND ALL WORK AREAS THROUGHOUT THE PERIOD OF CONSTRUCTION. ALL SUCH CHANNELIZATION SHALL BE ARRANGED TO PREVENT PEDESTRIANS FROM HAVING TO ENTER THE ROADWAY IN ORDER TO PASS AROUND THE WORK AREAS.
28. A MINIMUM WIDTH OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ONE DIRECTION.
29. THE CONTRACTOR SHALL BE REQUIRED TO KEEP THE PUBLIC INFORMED, THROUGH THE LOCAL NEWS MEDIA, OF CONSTRUCTION OPERATIONS INVOLVING STREET OR LANE CLOSURES. SEE CONTACTING NEWS MEDIA GENERAL NOTE NO. 14, SHEET 2.
30. EQUIPMENT AND MATERIALS ARE NOT TO BE STORED WITHIN THE STREET RIGHT-OF-WAY DURING NON-WORKING HOURS.
31. EXCAVATIONS MUST BE PLATED OR PATCHED PRIOR TO OPENING TO TRAFFIC. SEE GENERAL NOTE NO. 42, SHEET 2.
32. BARRELS AND BARRICADES ARE NOT TO BE INTERMIXED IN THE SAME SERIES OF CHANNELIZATION.
33. THE COMPLETE AND THOROUGH REMOVAL OF ALL TEMPORARY LANE TAPE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT THE COMPLETION OF EACH PHASE OF TRAFFIC CONTROL. MAINTAINING AND REPLACING TEMPORARY LANE TAPE AS NEEDED DURING EACH PHASE OF TRAFFIC CONTROL WILL BE REQUIRED AND SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE REMOVAL, REPLACING, AND MAINTAINING OF THE TAPE IS TO BE INCLUDED AS A PART OF THE UNIT BID PRICE FOR THE ADHESIVE MARKING TAPE FOR CONSTRUCTION ZONES BID ITEM.

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RECORD DRAWING

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NO	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			

NEW MEXICO
STATE HIGHWAY DEPARTMENT
TRAFFIC DESIGN SECTION
TRAFFIC CONTROL DEVICES
FOR CONSTRUCTION
SUMMARY OF QUANTITIES

() Sign(s) And/Or Support(s) Used In Other Construction Phase(s). No Additional Payment Therefore.
* No Additional Post Needed. Sign To Be Mounted On Common Post With Another Sign.

DESIGNED BY _____ DRAWN BY _____ CHECKED BY _____

SIGN CODE	N° OF SIGNS	TOTAL SIGN AREA SQ. FT.	POST LENGTHS				MOUNTING REQUIREMENTS						PORTABLE SIGN SUPPORT
							FLANGED CHANNEL			DRIVEDOWN POSTS 0.1345 THICK			
			LEFT	CTR.	RIGHT	TOTAL	2.25 Lb/Ft.	3.00 Lb/Ft.	4.00 Lb/Ft.	2 3/16" X 2 3/16"	2 1/2" X 2 1/2"		
ZUNI & SAN PEDRO PAVEMENT CONSTRUCTION SIGNING - PHASE IV													
R3-2	14	(56)											(14)
W1-6	4	32	(For Contractor's Information Only - Not Included in Totals)										
W4-2R	2	(32)											(2)
W4-2L	2	(32)											(2)
W20-1	4	(64)											(4)
W20-5R	2	(32)											(2)
W20-5L	2	(32)											(2)
"At Zuni"	2	(16)											*
"At San Pedro"	2	(16)											*
													.
TOTALS:		280											26
ZUNI & SAN PEDRO UTILITIES CONSTRUCTION SIGNING - PHASE I													
R3-2	11	(44)											(11)
W1-6	13	(104)	(For Contractor's Information Only - Not Included in Totals)										
W4-2R	1	(16)											(1)
W4-2L	3	(48)											(3)
W20-1	4	(64)											(4)
W20-5R	1	(16)											(1)
W20-5L	3	(48)											(3)
"At Zuni"	2	(16)											*
"At San Pedro"	2	(16)											*
TOTALS:		268											23
ZUNI & SAN PEDRO UTILITIES CONSTRUCTION SIGNING - PHASE II													
R3-2	8	(32)											(8)
W1-6	6	(48)	(For Contractor's Information Only - Not Included in Totals)										
W4-2R	1	(16)											(1)
W4-2L	3	(48)											(3)
W20-1	4	(64)											(4)
W20-5R	1	(16)											(1)
W20-5L	3	(48)											(3)
"At Zuni"	2	(16)											*
"At San Pedro"	2	(16)											*
TOTALS:		304											20

SIGN CODE	N° OF SIGNS	TOTAL SIGN AREA SQ. FT.	POST LENGTHS				MOUNTING REQUIREMENTS						PORTABLE SIGN SUPPORT
							FLANGED CHANNEL			DRIVEDOWN POSTS 0.1345 THICK			
			LEFT	CTR.	RIGHT	TOTAL	2.25 Lb/Ft.	3.00 Lb/Ft.	4.00 Lb/Ft.	2 3/16" X 2 3/16"	2 1/2" X 2 1/2"		
ZUNI € LOUISIANA UTILITIES CONSTRUCTION SIGNING - PHASE I													
R3-2	8	(32)											(8)
R11-2	3	(30)	(For Contractor's Information Only - Not Included in Totals)										
R11-4	1	(12.5)											
W1-6	9	(72)	(For Contractor's Information Only - Not Included in Totals)										
W4-2R	2	(32)											(2)
W4-2L	2	(32)											(2)
W20-1	4	(64)											(4)
W20-5R	2	(32)											(2)
W20-5L	2	(32)											(2)
"AT ZUNI"	2	(16)											*
"AT LOUIS."	2	(16)											*
TOTALS:		268.5											20
ZUNI € LOUISIANA UTILITIES CONSTRUCTION SIGNING - PHASE II													
R3-2	8	(32)											(8)
W1-6	7	(56)	(For Contractor's Information Only - Not Included in Totals)										
W4-2R	2	(32)											(2)
W4-2L	2	(32)											(2)
W20-1	4	(64)											(4)
W20-5R	2	(32)											(2)
W20-5L	2	(32)											(2)
"AT ZUNI"	2	(16)											*
"AT LOUIS"	2	(16)											*
TOTALS:		256											20
ZUNI € LOUISIANA UTILITIES CONSTRUCTION SIGNING - PHASE III													
R3-1	1	4											(1)
R3-2	2	(8)											(2)
R11-2	4	(40)	(For Contractor's Information Only - Not Included in Totals)										
R11-4	1	(12.5)											
W1-6	3	(24)	(For Contractor's Information Only - Not Included in Totals)										
W4-2R	1	(16)											(1)
W4-2L	1	(16)											(1)
W20-1	2	(32)											(2)
W20-5R	1	(16)											(1)
W20-5L	1	(16)											(1)
"AT ZUNI"	1	(8)											*
TOTALS:		198.5											9
ZUNI € LOUISIANA DETOUR													
M4-9R	5	25											(5)
M4-9L	5	25											(5)
M4-10R	5	30											
M4-10L	5	30											
R11-2	18	180	(For Contractor's Information Only - Not Included in Totals)										
R11-4	10	125											
W4-2L	4	64											(4)
W20-1	4	(64)											(4)
W20-2	4	64											(4)
W20-5L	4	64											(4)
TOTALS:		491											(26)

F.H.W.A. Region No.	STATE	SHEET No.	TOTAL SHEETS
6	NEW MEXICO		

16716687
RECORD DRAWING

3			
2			
1	Addendum No 2	10/18/84	AA#R
No	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			

NEW MEXICO
STATE HIGHWAY DEPARTMENT
TRAFFIC DESIGN SECTION
TRAFFIC CONTROL DEVICES
FOR CONSTRUCTION
SUMMARY OF QUANTITIES

() Sign(s) And/Or Support(s) Used In Other Construction Phase(s). No Additional Payment Therefore.
* No Additional Post Needed. Sign To Be Mounted On Common Post With Another Sign.

DESIGNED BY _____ CHECKED BY _____
DRAWN BY _____

SIGN CODE	N° OF SIGNS	TOTAL SIGN AREA SQ. FT.	POST LENGTHS				MOUNTING REQUIREMENTS				
			LEFT	CTR.	RIGHT	TOTAL	FLANGED CHANNEL	DRIVEDOWN POSTS	PORTABLE SIGN SUPPORT		
							2.25 LB/Ft	13.00 LB/Ft		4.00 LB/Ft	2 1/2" x 23' ±
ZUNI € LOUISIANA PAVEMENT CONSTRUCTION SIGNING PHASE I											
R3-2	12	(48)									(12)
R11-2	3	30	(For Contractor's Information Only - Not Included in Totals)								
R11-4	1	(12.5)									
W1-6	4	32	(For Contractor's Information Only - Not Included in Totals)								
W4-2R	2	(32)									(2)
W4-2L	2	(32)									(2)
W20-1	4	(64)									(4)
W20-5R	2	(32)									(2)
W20-5L	2	(32)									(2)
"AT ZUNI"	2	(16)									*
"AT LOUIS"	2	16									*
TOTALS:		284.5									24
ZUNI € LOUISIANA PAVEMENT CONSTRUCTION SIGNING - PHASE II											
R3-2	14	(56)									(14)
R11-2	3	30	(For Contractor's Information Only - Not Included in Totals)								
R11-4	1	(12.5)									
W1-6	4	32	(For Contractor's Information Only - Not Included in Totals)								
W4-2R	2	(32)									(2)
W4-2L	2	(32)									(2)
W20-1	4	(64)									(4)
W20-5R	2	(32)									(2)
W20-5L	2	(32)									(2)
"AT ZUNI"	2	(16)									*
"AT LOUIS"	2	(16)									*
TOTALS:		292.5									26
ZUNI € LOUISIANA PAVEMENT CONSTRUCTION SIGNING - PHASE III											
R3-2	14	(56)									(14)
R11-2	3	30	(For Contractor's Information Only - Not Included in Totals)								
R11-4	1	(12.5)									
W4-2R	2	(32)									(2)
W4-2L	2	(32)									(2)
W1-6	4	32	(For Contractor's Information Only - Not Included in Totals)								
W20-1	4	(64)									(4)
W20-5R	2	(32)									(2)
W20-5L	2	(32)									(2)
"AT ZUNI"	2	(16)									*
"AT LOUIS"	2	(16)									*
TOTALS:		292.5									26
ZUNI € LOUISIANA PAVEMENT CONSTRUCTION SIGNING - PHASE IV											
R3-2	12	(48)									(12)
R11-2	3	30	(For Contractor's Information Only - Not Included in Totals)								
R11-4	1	(12.5)									
W4-2R	2	(32)									(2)
W4-2L	2	(32)									(2)
W1-6	4	32	(For Contractor's Information Only - Not Included in Totals)								
W20-1	4	(64)									(4)
W20-5R	2	(32)									(2)
W20-5L	2	(32)									(2)
"AT ZUNI"	2	(16)									*
"AT LOUIS"	2	(16)									*
TOTALS:		284.5									24

() Sign(s) And/Or Support(s) Used In Other Construction Phase(s). No Additional Payment Therefore.
* No Additional Post Needed. Sign To Be Mounted On Common Post With Another Sign.

F.H.W.A. Region No.	STATE	SHEET No.	TOTAL SHEETS
6	NEW MEXICO		

SUMMARY OF QUANTITIES.

ITEM N°	BID ITEM	UNITS	TOTAL
702000	SIGNS FOR DETOURS	SQ. FT.	670
702003	STEEL POSTS AND BASE POSTS FOR DETOUR SIGNS	LIN. FT.	
702005	BARRICADE, TYPE I	EACH	
702010	BARRICADE, TYPE II	EACH	
702015	BARRICADE, TYPE III 8 FT.	EACH	28
702016	BARRICADE, TYPE III 6 FT.	EACH	
702030	VERTICAL PANEL, SINGLE TYPE	EACH	
702035	VERTICAL PANEL, BACK TO BACK TYPE	EACH	
702040	TRAFFIC MARKERS FOR DETOURS	EACH	
702045	PORTABLE SIGN SUPPORT	EACH	26
702050	CHANNELIZATION DEVICE - BARREL - TYPE 'B'	EACH	140
702051	SEQUENTIAL ARROW DISPLAY	HOURL	
703220	TUBULAR TRAFFIC MARKER	EACH	
704010	REFLECTORIZED, PAINTED MARKINGS	LIN. FT.	5000
704015	ADHESIVE MARKING TAPE FOR CONSTRUCTION ZONES	LIN. FT.	29,000
704016	ADHESIVE NON-METALIC MARKING TAPE	LIN. FT.	
720015	SAND BARREL VEHICULAR IMPACT ATTENUATOR	EACH	
721001	REMOVAL OF PAVEMENT STRIPE	LIN. FT.	
606220	PRECAST CONCRETE WALL - BARRIER - 12' 6"	EACH	
INCIDENTAL TO ITEM 702000	CLEANING OF REFLECTIVE SURFACES ON TRAFFIC CONTROL DEVICES	SQ. FT.	30,800

16716187
RECORD DRAWING

No.	DESCRIPTION	DATE	BY
REVISIONS (OR CHANGE NOTICES)			
NEW MEXICO STATE HIGHWAY DEPARTMENT TRAFFIC DESIGN SECTION TRAFFIC CONTROL DEVICES FOR CONSTRUCTION SUMMARY OF QUANTITIES			