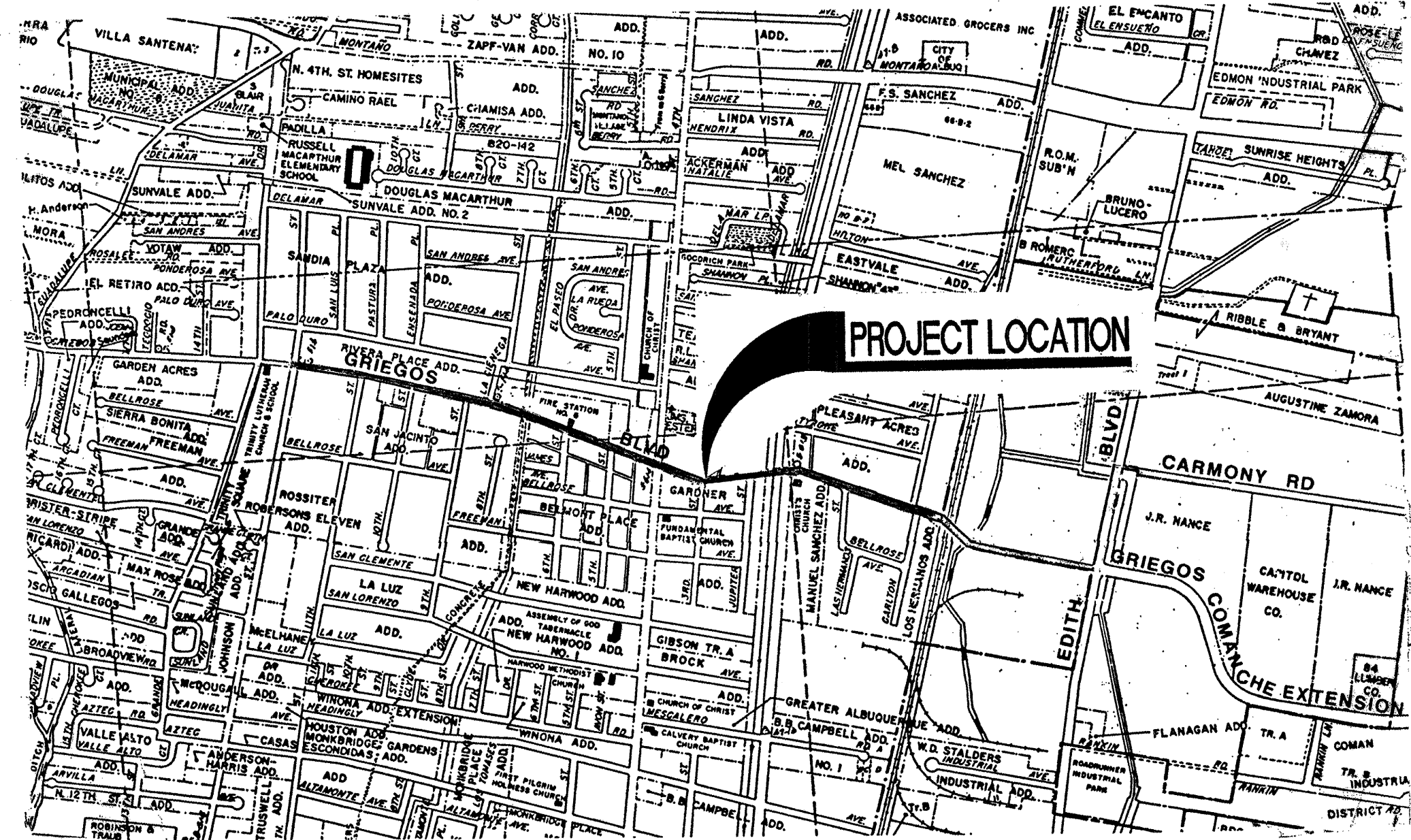




VICINITY MAP
MAP NO. F-14, G-14, G-15

CITY OF ALBUQUERQUE

PUBLIC WORKS DEPARTMENT

GRIEGOS ROAD SEWER DIVERSION

DRAWING LIST

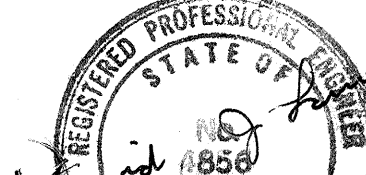
1. TITLE SHEET
2. GENERAL NOTES AND LEGEND
3. PLAN AND PROFILE STAS. 7+95.30 TO 19+40
4. PLAN AND PROFILE STAS. 19+40 TO 30+80
5. PLAN AND PROFILE STAS. 30+80 TO 41+90
6. PLAN AND PROFILE STAS. 41+90 TO 53+00
7. PLAN AND PROFILE STAS. 53+00 TO 59+71.50
8. INTERSECTION PLANS
9. MRGCD AND MISCELLANEOUS DETAILS
- 9A. TYPICAL SIPHON DETAILS
10. SUGGESTED SEQUENCE OF CONSTRUCTION
11. SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS
12. TYPICAL TRAFFIC CONTROL AND SIGNING EXAMPLES (REF MUTCD)
13. SEGMENT ONE (PHASE 1) TRAFFIC CONTROL
14. SEGMENT ONE TRAFFIC CONTROL
15. SEGMENT ONE (PHASES 2 THROUGH 12) TRAFFIC CONTROL
16. SEGMENT TWO (PHASE 1) TRAFFIC CONTROL
17. SEGMENT TWO (PHASES 2, 3, 4) TRAFFIC CONTROL
18. SEGMENT THREE (PHASE 1) TRAFFIC CONTROL
19. SEGMENT THREE (PHASE 2) TRAFFIC CONTROL

APPROVAL OF RECORD DRAWINGS
DATE 7-10-02
Mark Holstad

RECORD SET
David J. Larrow
9-7-00

URS Greiner

HN
Holmes & Narver
6501 AMERICAS PARKWAY, NE
SUITE 700 (505)889-4100
ALBUQUERQUE, NM 87110

REV.	SHEETS	CITY ENGINEER	DATE	USER DEPARTMENT	DATE	USER DEPARTMENT	DATE
ENGINEERS STAMP & SIGNATURE		APPROVALS	ENGINEER	DATE	*****		
 10-29-99		DRC Chairman	<i>[Signature]</i>	11/7/99	APPROVED FOR CONSTRUCTION		
		Transportation	<i>[Signature]</i>	11-09-99			
		Water/Wastewater	<i>[Signature]</i>	11-9-99			
		Hydrology	<i>[Signature]</i>	11/9/99			
		Parks					
		Constr. Mngmt.	<i>[Signature]</i>		City Engineer	Date	
		Constr. Coord.	<i>[Signature]</i>	11/9/99			
City Project No.		4778.92			Sheet 1 Of 19		

GENERAL NOTES

1.

ALL WORK DETAILED ON THESE DRAWINGS TO BE PERFORMED UNDER THIS CONTRACT SHALL, EXCEPT AS OTHERWISE STATED, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, 1986, AS AMENDED THROUGH UPDATES NO. 6, HEREBY REFERRED TO AS THE SPECIFICATIONS. REFERENCES MADE TO STANDARD DRAWINGS IMPLY THAT SECTION OF THE SPECIFICATIONS, WHICH INCLUDES MISCELLANEOUS STANDARD DETAILS.
2.

LOCATION OF UTILITIES ARE APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL PERTINENT UTILITIES IN THE FIELD. CALL ONE CALL SYSTEM, INC. AT 260-1990 TWO WORKING DAYS BEFORE ANY EXCAVATION.
3.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO SUPPORT ALL UTILITIES EXPOSED DURING CONSTRUCTION. CONTRACTOR WILL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES, INCLUDING SERVICE LINES.
4.

PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL EXCAVATE AND VERIFY THE HORIZONTAL AND VERTICAL LOCATIONS OF ALL OBSTRUCTIONS. SHOULD A CONFLICT EXIST, THE CONTRACTOR SHALL NOTIFY THE PUBLIC WORKS DEPARTMENT SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
5.

ALL STREET STRIPING ALTERED OR DESTROYED SHALL BE REPLACED WITH PLASTIC REFLECTORIZED PAVEMENT MARKING BY CONTRACTOR TO LOCATION AS EXISTING OR AS INDICATED BY THIS PLAN SET, AS PER COA STANDARDS.
6.

ALL PAVEMENT MARKINGS OR OTHER TRAFFIC CONTROL DEVICES INCLUDING TRAFFIC SIGNAL CONDUIT, ADVERSELY AFFECTED BY CONSTRUCTION SHALL BE REPLACED IN PRE-CONSTRUCTION CONDITION. THESE COSTS SHALL BE INCIDENTAL TO THE PROJECT UNLESS OTHERWISE INCLUDED IN BID ITEMS.
7.

CONTRACTOR SHALL COORDINATE WITH PNM (JIM VANN - 848-3426) WHERE LIP OF TRENCH IS LESS THAN 5' TO POWER POLE. COSTS ASSOCIATED WITH SUPPORT OF EXISTING POLES SHALL BE INCIDENTAL TO THE PROJECT.
8.

CONTRACTOR SHALL BE CHARGED BY PNM FOR ANY DAMAGE TO PNM CABLES AND FOR SUPPORTING OR MINOR RELOCATIONS OF CABLES DURING CONSTRUCTION. THESE COSTS SHALL BE INCIDENTAL TO THE PROJECT.
9.

ALL UTILITIES AND UTILITY SERVICE LINES SHALL BE INSTALLED PRIOR TO PAVING.
10.

THE CONTRACTOR SHALL PROVIDE FOUR PROJECT CONSTRUCTION SIGNS PER THE REQUIREMENTS OF SPECIAL PROVISIONS.
11.

STATIONING IS BASED ON CENTERLINE OF NEW SANITARY INTERCEPTOR SEWER, CENTERLINE MANHOLE TO CENTERLINE MANHOLE, UNLESS NOTED OTHERWISE.
12.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DEFECTIVE OR DETERIORATED CONDITION UPON VISUAL INSPECTION OF EXISTING SERVICE LINES.
13.

~~ALL NEW MANHOLES SHALL BE COATED WITH STRONG SEAL OR APPROVED EQUAL.~~ DELETED
14.

IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND RECONNECT ALL EXISTING SEWER SERVICE CONNECTIONS.
15.

SANITARY SEWER SERVICE RECONNECTIONS AND TRANSFERS SHALL BE PAID FOR IN ACCORDANCE TO THE UNIT PRICE LISTED ON THE BID PROPOSAL. HOWEVER, THOSE CONNECTIONS DAMAGED WHILE PERFORMING THE WORK UNDER THIS PROJECT SHOULD BE REPLACED AT NO ADDITIONAL COST.
16.

ALL SANITARY SEWER MANHOLES SHALL BE BUILT IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE STANDARD DRAWING 2102. ALL SANITARY SEWER MANHOLES SHALL BE 4 FEET DIAMETER UNLESS OTHERWISE NOTED.
17.

ELECTRONIC MARKER DISCS SHALL BE INSTALLED PER SECTION 170 OF THE TECHNICAL SPECIFICATIONS.
18.

CONTRACTOR SHALL COORDINATE WITH THE GAS COMPANY OF NEW MEXICO (241-7752) TWO WEEKS PRIOR TO NEEDING A GAS LINE SEGMENT RELOCATED.
19.

CONTRACTOR SHALL NOTIFY THE CITY SURVEYOR NOT LESS THAN SEVEN (7) DAYS PRIOR TO STARTING WORK IN ORDER THAT THE CITY SURVEYOR MAY TAKE NECESSARY MEASURES TO INSURE THE PRESERVATION OF SURVEY MONUMENTS. CONTRACTOR SHALL NOT DISTURB PERMANENT SURVEY MONUMENTS WITHOUT THE CONSENT OF THE CITY SURVEYOR AND SHALL NOTIFY THE CITY SURVEYOR AND BEAR THE EXPENSE OF REPLACING ANY THAT MAY BE DISTURBED WITHOUT PERMISSION. REPLACEMENT SHALL BE DONE ONLY BY THE CITY SURVEYOR SECTION. WHEN A CHANGE IS MADE IN THE FINISHED ELEVATION OF THE PAVEMENT OF ANY ROADWAY IN WHICH A PERMANENT SURVEY MONUMENT IS LOCATED, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, ADJUST THE MONUMENT COVER TO THE NEW GRADE UNLESS OTHERWISE SPECIFIED. REFER TO SECTION 4.4 OF THE GENERAL CONDITIONS.
20.

ALL EXISTING SANITARY SERVICES SHALL BE RECONNECTED TO THE NEW SEWER MAIN AS PER CITY OF ALBUQUERQUE STANDARD DRAWING 2134.
21.

EXISTING MANHOLE FLOORS SHALL BE REHABILITATED AS PER CITY OF ALBUQUERQUE STANDARD DRAWINGS 2101 AND 2102.
22.

CRITICAL INTERSECTION WORK SHALL NOT START UNTIL THE CONTRACTOR HAS ALL MATERIAL, EQUIPMENT, AND NECESSARY PERSONNEL ON-SITE. TRAFFIC CONTROL DEVICES SHALL NOT BE PLACED PREMATURELY.
23.

FIVE (5) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE CONSTRUCTION COORDINATION DIVISION A DETAILED CONSTRUCTION SCHEDULE. TWO (2) WORKING DAYS PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL OBTAIN A BARRICADE PERMIT FROM THE CONSTRUCTION COORDINATION DIVISION. CONTRACTOR SHALL NOTIFY BARRICADE ENGINEER (768-2551) PRIOR TO OCCUPYING AN INTERSECTION. SEE SECTION 19 OF THE SPECIFICATIONS.
24.

WORK WITHIN AN ARTERIAL ROADWAY SHALL REQUIRE COMPLIANCE WITH THE "ORANGE BARREL POLICY".
25.

THE CONTRACTOR SHALL CONTACT CITY TRAFFIC OPERATIONS BEFORE DISTURBING ANY EXISTING TRAFFIC SIGNALS.
26.

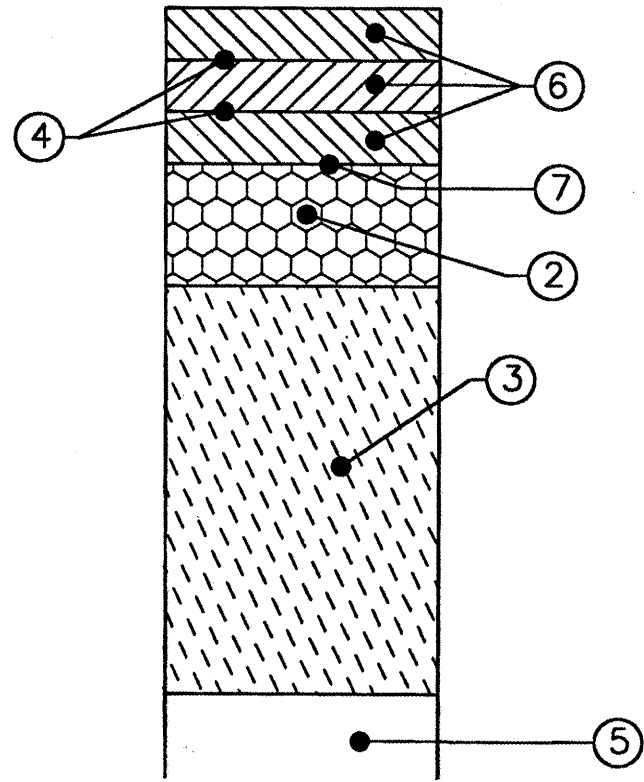
THE MAXIMUM LENGTH OF OPEN TRENCH SHALL BE 300 FEET.
27.

PRIOR TO THE START OF CONSTRUCTION, ALL ADJACENT PROPERTY OWNERS SHALL BE GIVEN NOTIFICATION BY THE CONTRACTOR OF THE FORTHCOMING CONSTRUCTION IN ACCORDANCE WITH SECTION 701 OF THE STANDARD SPECIFICATIONS. THIS NOTIFICATION WILL INCLUDE THE DETERMINATION OF THE LOCATION OF NEW SANITARY SERVICE CONNECTIONS OR THE CONDITION OF AN EXISTING SANITARY SERVICE LINE TO BE RECONNECTED TO THE NEW SEWER MAIN.
28.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ACCESS TO ALL ADJACENT PROPERTIES.
29.

ALL EXCAVATION, TRENCHING, AND SHORING ACTIVITIES MUST BE CARRIED OUT IN ACCORDANCE WITH OSHA 29CFR 1926.650 SUBPART F.
30.

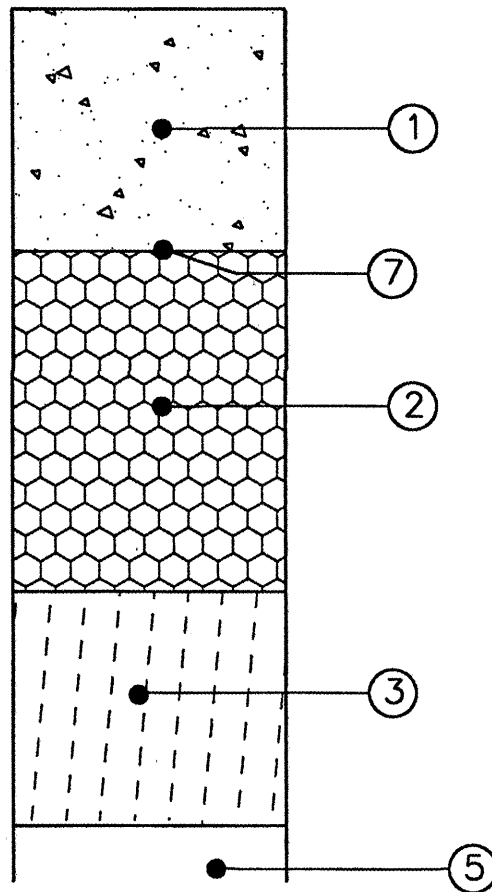
CONTRACTOR IS ADVISED TO VISIT THE PROJECT SITE PRIOR TO BIDDING AND FAMILIARIZE THEMSELVES WITH FIELD CONDITIONS INCLUDING THE LOCATION OF UTILITIES SHOWN ON THE PLANS AND OTHER UTILITIES/OBSTACLES CLEARLY VISIBLE IN THE FIELD. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PLAN THEIR CONSTRUCTION METHODS TO ADEQUATELY SUPPORT AND/OR AVOID ALL UTILITIES SHOWN ON THE PLANS AND ALL UTILITIES/OBSTRUCTIONS CLEARLY VISIBLE IN THE FIELD. ANY RELOCATION OF UTILITIES/OBSTACLES SHOWN ON THE PLANS OR VISIBLE IN THE FIELD IN ORDER TO COMPLETE THE REQUIRED WORK WILL BE CONSIDERED TO BE CONTRACTOR CONVENIENCE AND BE THE RESPONSIBILITY OF THE CONTRACTOR, UNLESS THE UTILITY/OBSTRUCTION IS IDENTIFIED ON THE PLANS AS BEING RELOCATABLE AS PART OF THE PROJECT. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL REQUIRED RELOCATIONS WITH APPROPRIATE UTILITIES/INDIVIDUALS.



ARTERIAL PAVING SECTION
(BITUMINOUS)

DETAIL

SCALE: NONE



ARTERIAL PAVING SECTION
(P. C. CONCRETE)

DETAIL

SCALE: NONE

LEGEND

	EXISTING	PROPOSED
SANITARY SEWER	--- O SAS ---	--- SD ---
STORM DRAIN	--- SD ---	--- SD ---
WATER LINE W/CAP	--- W ---	--- W ---
FIRE HYDRANT	--- FH ---	--- FH ---
WATER VALVE	--- V ---	--- V ---
EXIST. VALVE	--- V ---	--- V ---
NOT FOUND IN FIELD	--- NF ---	--- NF ---
BURIED ELECTRICAL CABLE	--- UE ---	--- UE ---
BURIED TELEPHONE CABLE	--- UT ---	--- UT ---
GAS LINE	--- G ---	--- G ---
VALVE TO BE SHUT OFF (WATER SHUT-OFF PLANS)	--- V ---	--- V ---
WATER VALVE	--- V ---	--- V ---
UTILITY LINE	--- U ---	--- U ---
TRENCHLESS SEWER REHABILITATION	--- TR ---	--- TR ---
MANHOLE	--- M ---	--- M ---
NOT FOUND	--- NF ---	--- NF ---
CABLE TELEVISION	--- CATV ---	--- CATV ---
POWER POLE	--- P ---	--- P ---
PAVEMENT LIMITS (CONCRETE)	--- P.H. # ---	--- P.H. # ---
POTHOLE	--- P ---	--- P ---
TRAFFIC LITE	--- TL ---	--- TL ---
PULL BOX	--- PB ---	--- PB ---
WATER METER	--- W ---	--- W ---
DROP INLET	--- DI ---	--- DI ---
SIGN	--- S ---	--- S ---
TRAFFIC SIGNAL CONDUIT	--- TSC ---	--- TSC ---
CONCRETE PAVEMENT / REMOVAL AND REPLACE LIMITS	--- C ---	--- C ---
ASPHALT PAVEMENT / REMOVAL AND REPLACE LIMITS	--- A ---	--- A ---
RIGHT OF WAY	--- R ---	--- R ---

PAVING NOTES:

1. 9" PORTLAND CEMENT CONCRETE.
2. 6" AGGREGATE BASE COURSE.
3. 12" SCARIFIED AND COMPACTED SUBGRADE
95% MINIMUM COMPACTION, AT OPT
MOISTURE ±2.0%, ASTM D1557, OR OPT
MOISTURE TO +4%, ASTM D698 FOR SOIL
W/35% OR MORE MATERIAL PASSING THE
NO. 200 SIEVE.
4. TACK COAT AS REQUIRED BY THE
ENGINEER BETWEEN ALL
ASPHALT/AGGREGATE MATERIAL LIFTS.
FINISH SURFACE OF SUBGRADE,
AGGREGATE BASE COURSE, AND/OR
CEMENT TREATED BASE SHALL BE
MOISTURE-CONTROLLED AT COMPACTION
MOISTURE RANGE, OR PRIME COAT AS
REQUIRED BY THE ENGINEER UNTIL
NEXT/FINAL SURFACING. COMPLETED
SUBGRADE PREPARATION SHALL BE
PERFORMED AFTER ALL SUBSURFACE R/W
UTILITIES CONSTRUCTION IS COMPLETED.
5. 90% MINIMUM COMPACTION.
6. 3 LIFTS @ 2-1/2" ASPHALT CONCRETE
1800 LBS. STABILITY; TYPE A GRADATION.
7. PRIME COAT.

RECORD SET

David G. Larson
9-7-00



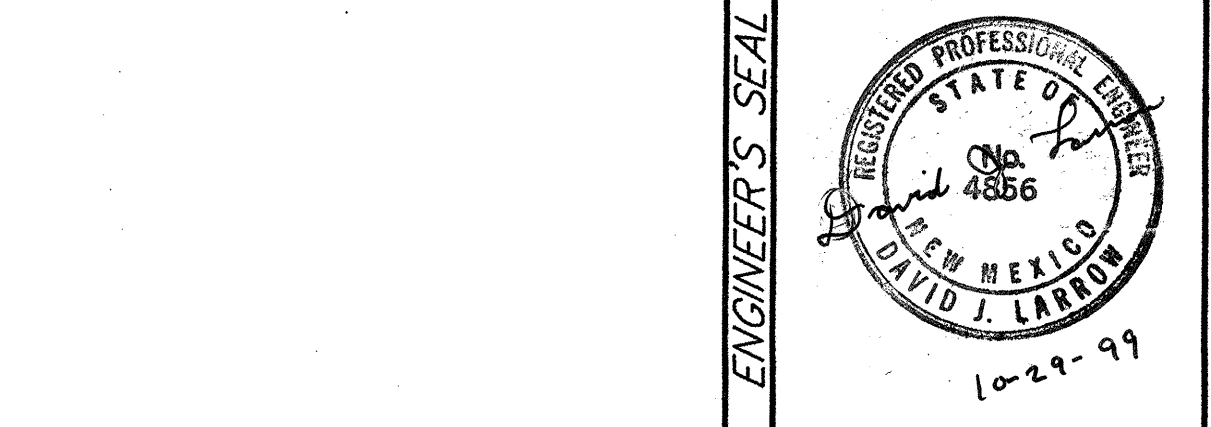
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TITLE: GRIEGOS ROAD SEWER DIVERSION	
GENERAL NOTES, LEGEND AND DETAILS	
DESIGN REVIEW COMMITTEE NOV 17 1999	CITY ENGINEER APPROVAL NOV 17 1999
MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 4778.92	ZONE MAP NO. F-14
SHEET 2	OF 19



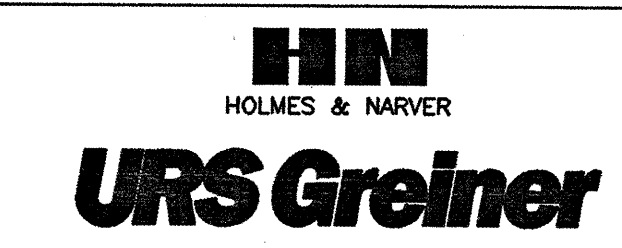
- GENERAL NOTES**
- CONTRACTOR SHALL VERIFY SERVICE LATERAL ELEVATIONS PRIOR TO INSTALLATION OF PIGGY BACK SEWER.
 - PIPE SHALL BE LAID THROUGH MANHOLE AND DEFLECTION MADE AT JOINTS IN MANHOLE, FOR DEFLECTIONS OF 6 DEGREES OR LESS.

- KEYED NOTES:**
- PROTECT UNDERGROUND ELECTRICAL LINE DURING CONSTRUCTION.

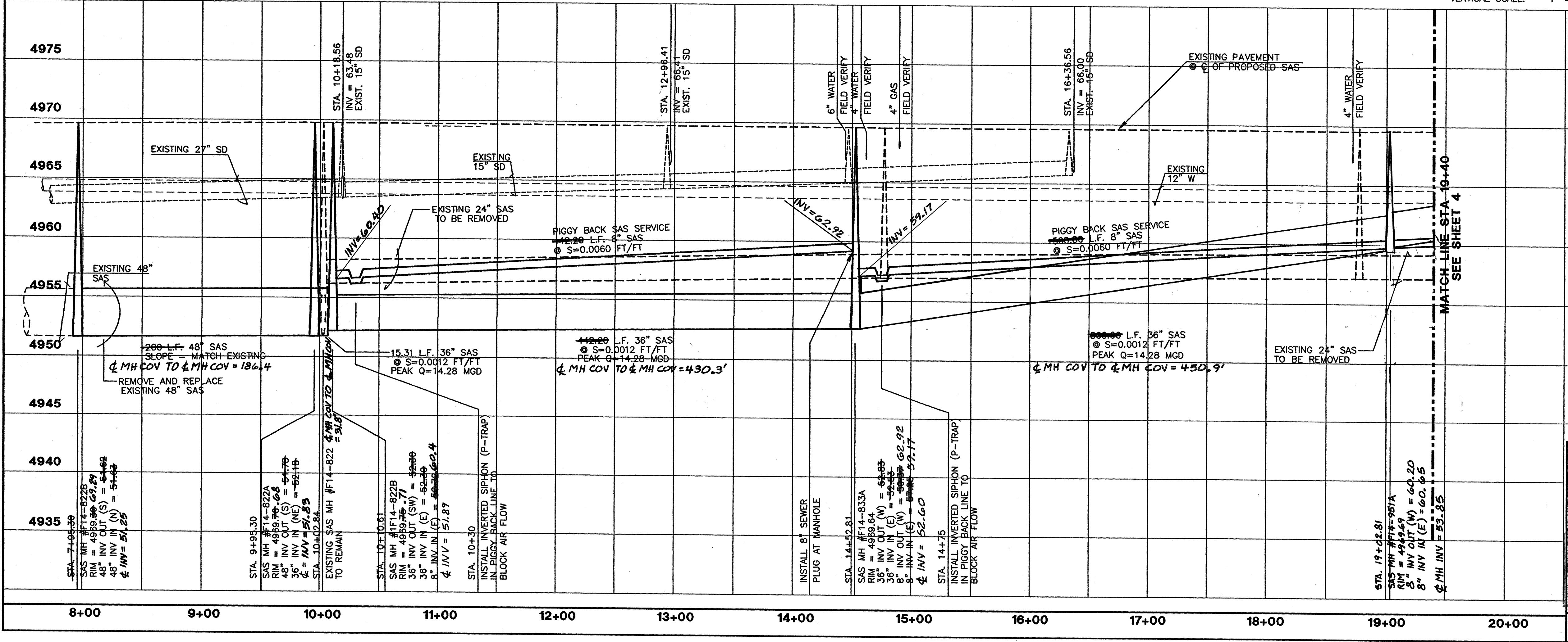
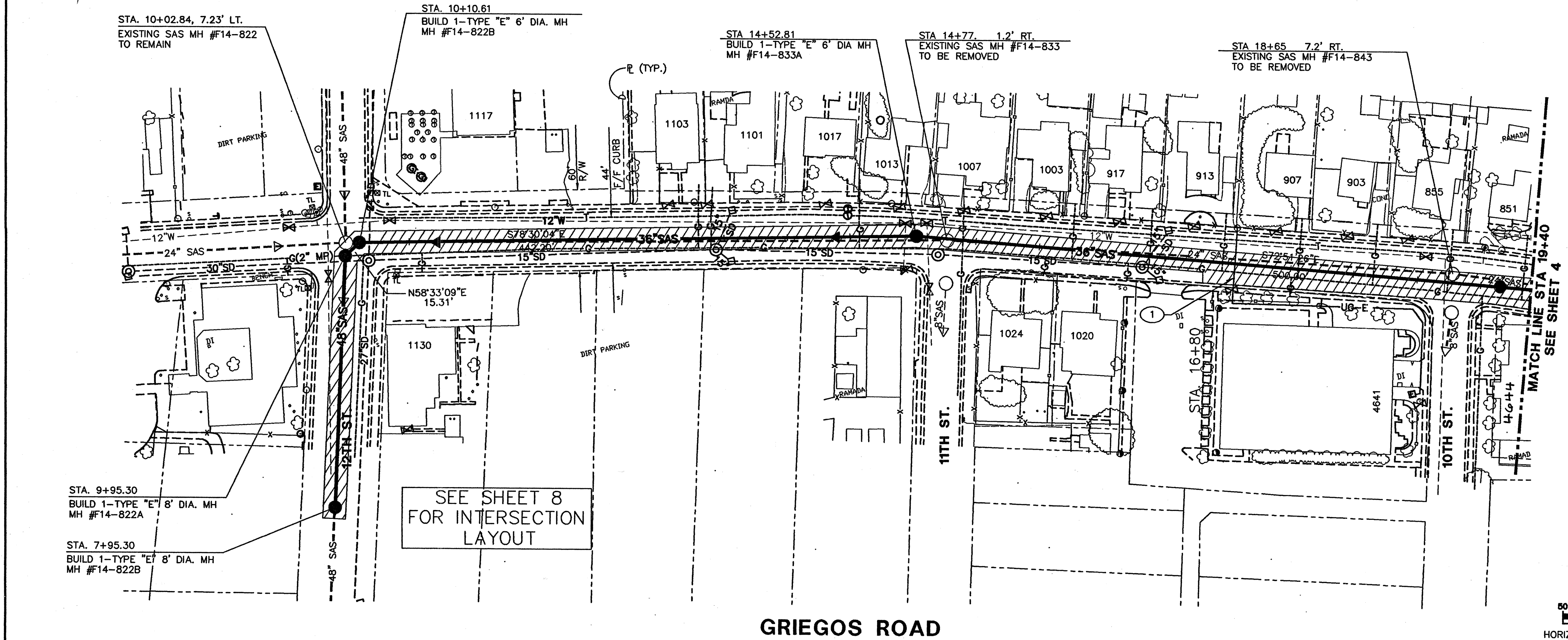
SANITARY SEWER SERVICES			
LOT	STATION & OFFSET	INVOPL	NOTES
1130	10+72 RT.		
1117	10+80 LT.		
1103	12+49 LT.		
1101	12+97 LT.		
1013	13+11 LT.		
1017	13+82 LT.		
1007	15+19 LT.		
1003	15+37 LT.		
1020	15+92 RT.		
917	15+96 LT.		
913	16+57 LT.		
907	17+22 LT.		
4641	17+77 RT.		
903	17+79 LT.		
865	18+35 LT.		
851	18+72 LT.		



RECORD SET
David J. Larrow
9-7-00



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: GRIEGOS ROAD SEWER DIVERSION STA. 7+95.30 TO 19+40.00	
DESIGN REVIEW COMMITTEE NOV 17 1999	CITY ENGINEER APPROVAL NOV 17 1999
LAST DESIGN UPDATE	NO./DAY/YR.
CITY PROJECT NO. 4778.92	ZONE MAP NO. F-14
SHEET 3	OF 19

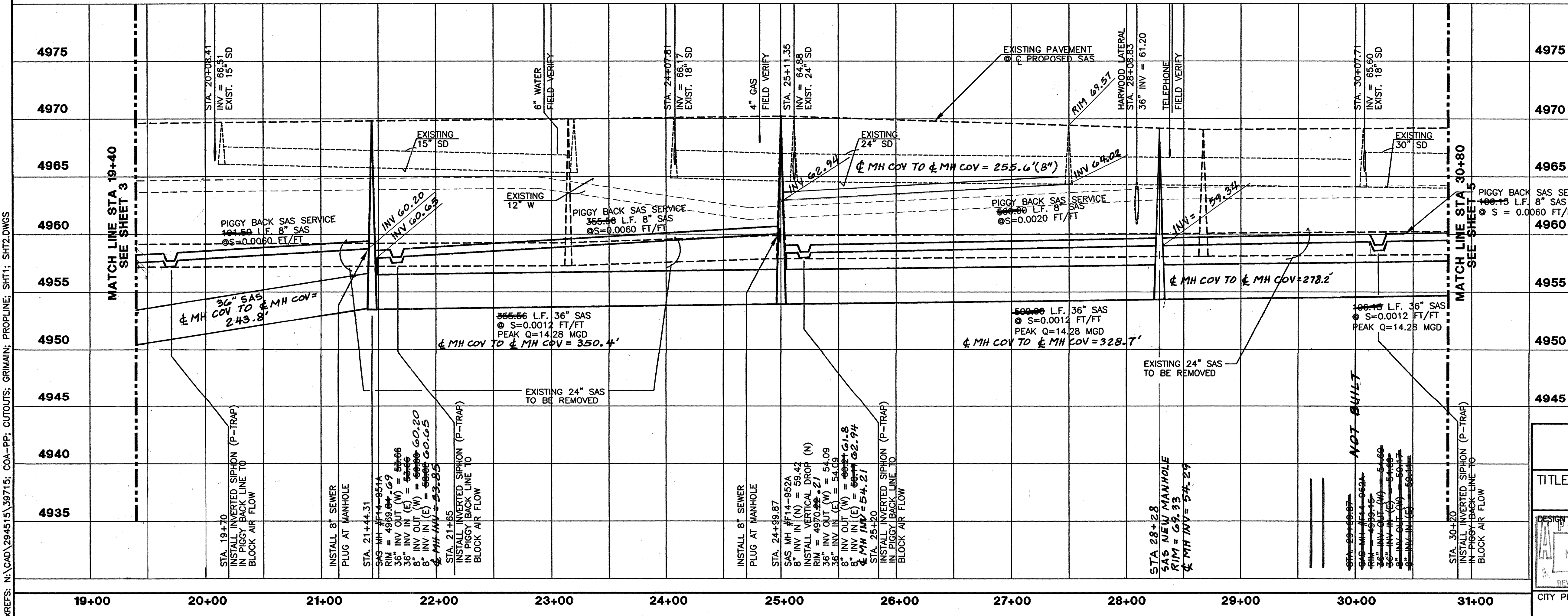


N:\Cad\234515\Gr\10101.dwg Mod Oct 20 07:17:03 1999

XREFS:\CAD\234515\39715; COA-PP; CUTOUTS; GRIMAIN; PROPLINE; SHIT; DWGS

XREFS: N:\CAD\294515\39715; COA-PP; CUTOPTS; GRIMAIN; PROPLINE; SHT1; SHT2.DWG

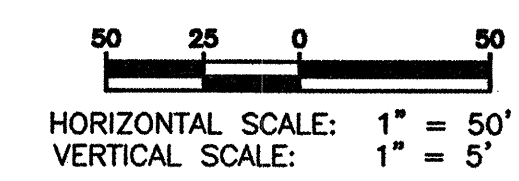
Thu Oct 28 14:57:53 1999



MATCH LINE STA 19+40
SEE SHEET 3

MATCH LINE STA 30+80
SEE SHEET 5

GRIEGOS ROAD



GENERAL NOTES
1. CONTRACTOR SHALL VERIFY SERVICE LATERAL ELEVATIONS PRIOR TO INSTALLATION OF PIGGY BACK SEWER.

SANITARY SEWER SERVICES			
LOT	STATION & OFFSET	INV@PL	NOTES
847	19+58 LT.		10TH ST.
4644	19+60 RT.		
842	20+14 RT.		
840	20+76 RT.		
837	21+15 LT.		
900	21+38 RT.		
833	21+73 LT.		
829	22+34 LT.		
813	22+48 LT.		
811	23+00 LT.		
809	23+30 LT.		
700	26+41 RT.		
701	26+68 LT.		
607	28+39 LT.		
616	28+77 RT.		
612	29+16 RT.		
605	29+63 LT.		
608	29+65 RT.		
602	29+87 RT.		
601	31+60 LT.		

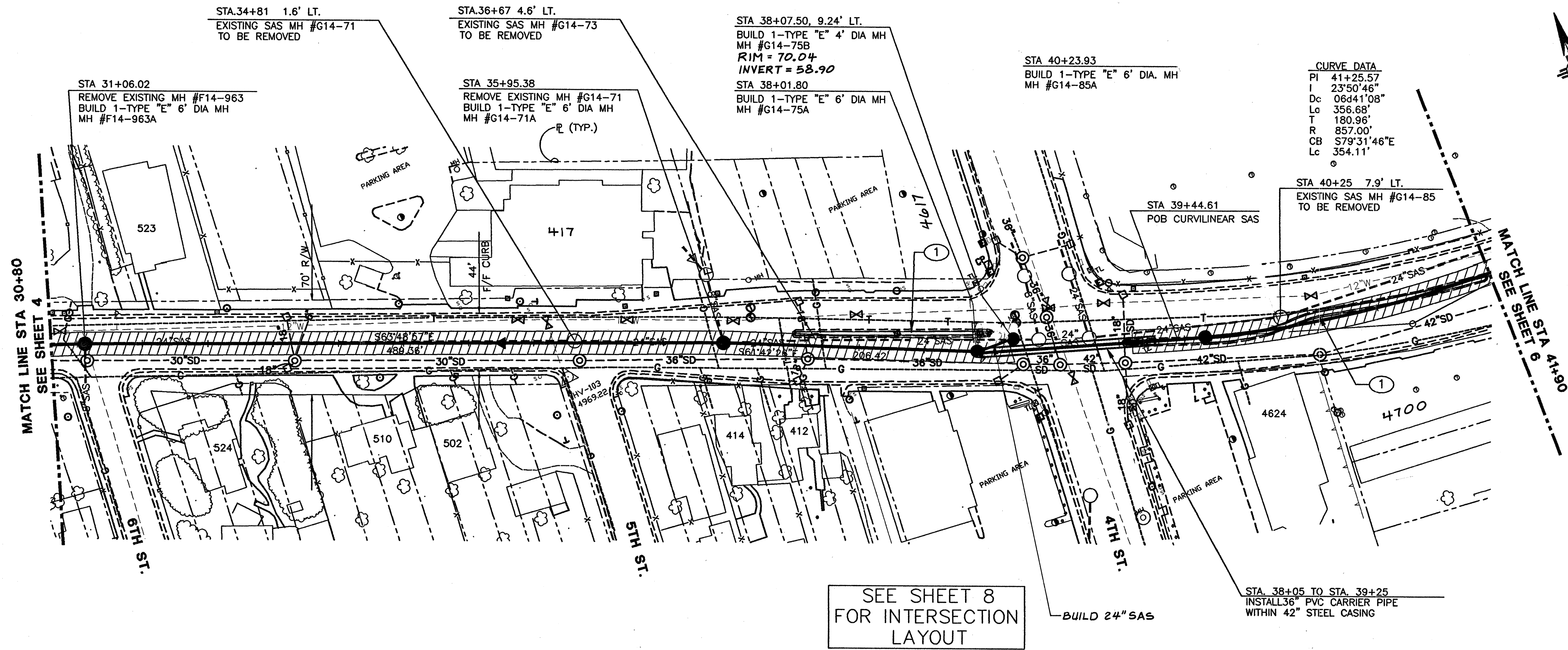
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY		
WORK BY	DATE	DATE AT THE INTERSECTION OF GREGOS RD. AND 12TH ST.					
INSPECTOR'S ACCEPTANCE BY	DATE	3/97 N.W. IN THE NORTHEAST QUADRANT OF THE INTERSECTION					
REVISIONS	DATE	3/97 A SQUARE, CL. CHISEL ON TOP OF THE CONCRETE CURB					
REVISIONS	DATE	AT THE ENE CURB RETURN				REMARKS	BY
REVISIONS	DATE	ELEV. = 4970.241				REVISIONS	REVISIONS
REVISIONS	DATE					DESIGN	DESIGN
REVISIONS	DATE					DESIGNED BY: KMB, MSH, RLB	DATE: 9/99
REVISIONS	DATE					DRAWN BY: JAK/RDL, KRM, JLM	DATE: 9/99
REVISIONS	DATE					CHECKED BY: DJL	DATE: 9/99

RECORD SET

David J. Larson
9-7-00

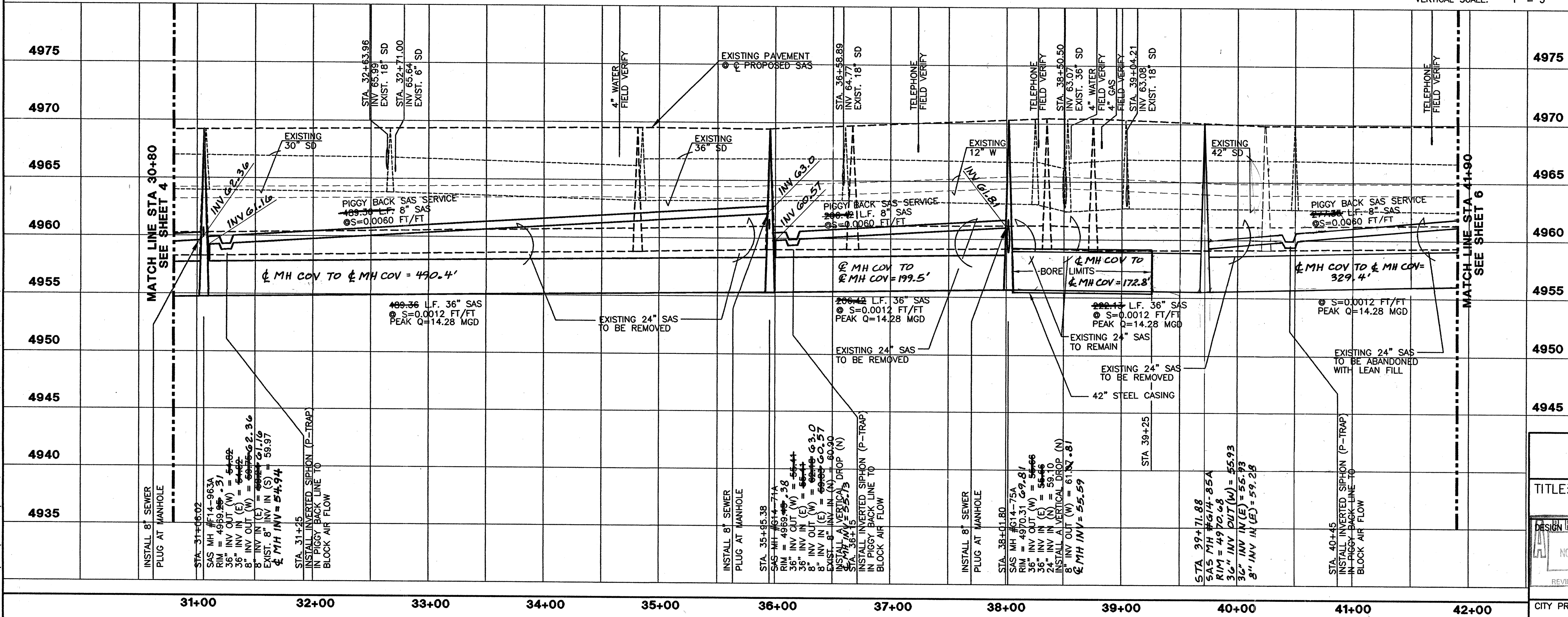
HN
HOLMES & NARVER
URS Greiner

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: GRIEGOS ROAD SEWER DIVERSION STA. 19+40.00 TO 30+80.00	
DESIGN REVIEW COMMITTEE APPROVED NOV 17 1999	CITY ENGINEER APPROVAL APPROVED NOV 17 1999
CITY PROJECT NO. 4778.92	ZONE MAP NO. F-14
SHEET 4	OF 19



GRIEGOS ROAD

HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'



GENERAL NOTES
1. CONTRACTOR SHALL VERIFY SERVICE LATERAL ELEVATIONS PRIOR TO INSTALLATION OF PIGGY BACK SEWER.

KEYED NOTES:
1. CONTRACTOR SHALL SURVEY MEDIAN ISLANDS PRIOR TO REMOVAL SO AS TO RECONSTRUCT THEM TO THEIR ORIGINAL LOCATION.

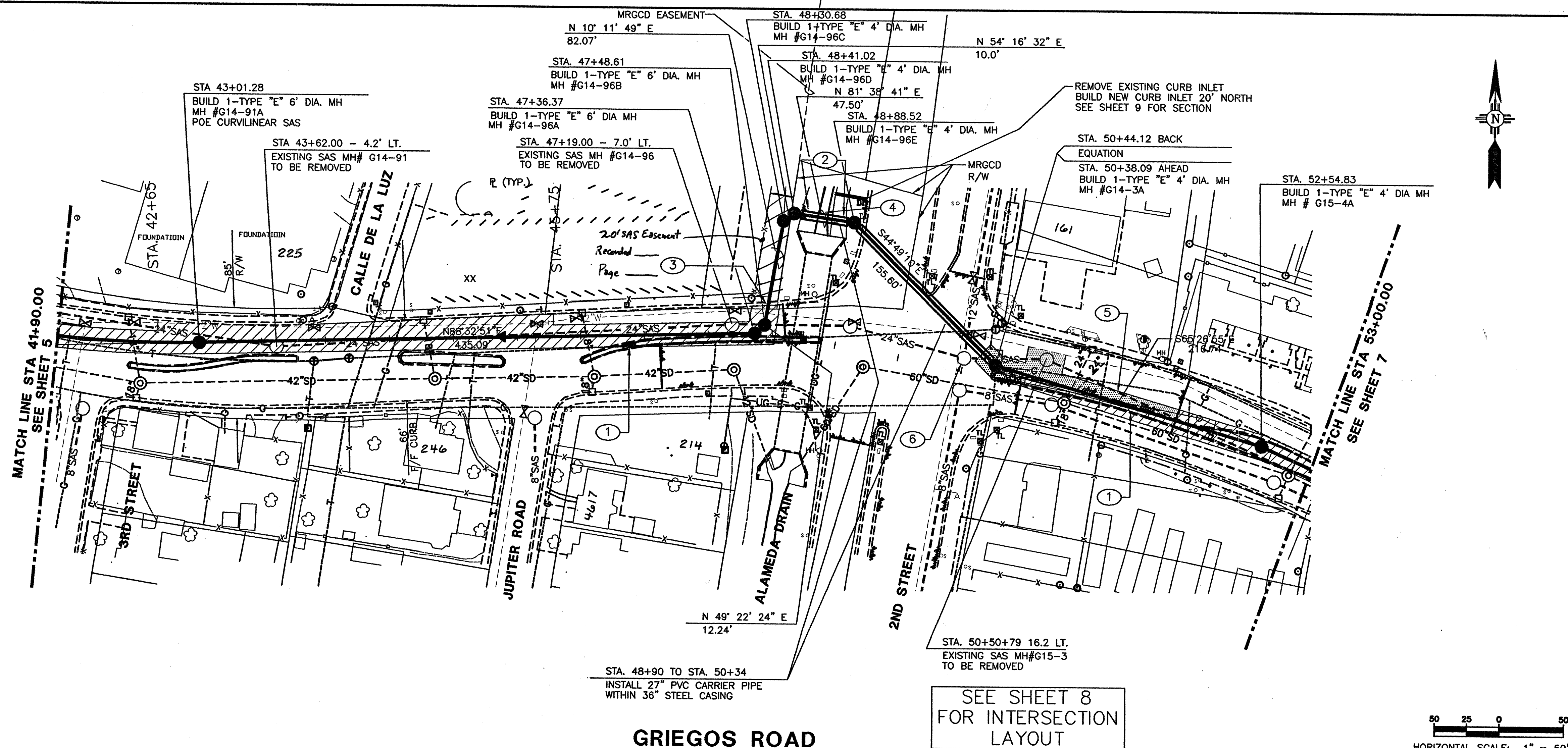
SANITARY SEWER SERVICES			
LOT	STATION & OFFSET	INVOPL	NOTES
523	31+74 LT.		
510	33+43 RT.		
417	35+23 LT.		
414	35+82 RT.		
4624	39+97 RT.		
4700	41+85 RT.		
			U.S. WEST
			4TH ST.
			4TH ST.
			UGLY DUCKLING
			USED CARS

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	NO.	BY	NO.	BY		
DATE	DATE	DATE	DATE	DATE	DATE		
DATE	DATE	DATE	DATE	DATE	DATE	REMARKS REVISIONS DESIGN	
DATE	DATE	DATE	DATE	DATE	DATE		
DATE	DATE	DATE	DATE	DATE	DATE	DESIGNED BY: KMB, MS, RLB DRAWN BY: JAK/ROU/KRM, JLM CHECKED BY: DJL	
DATE	DATE	DATE	DATE	DATE	DATE		

RECORD SET
David J. Lannom
9-7-00

HN
HOLMES & NARVER
URS Greiner

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: GRIEGOS ROAD SEWER DIVERSION STA. 30+80.00 TO 41+90.00	
DESIGN REVIEW COMMITTEE NOV 17 1999	CITY ENGINEER APPROVAL NOV 17 1999
LAST DESIGN UPDATE	MO./DAY/YR.
CITY PROJECT NO. 4778.92	ZONE MAP NO. G-14
SHEET 5	OF 19



GENERAL NOTES

1. CONTRACTOR SHALL VERIFY SERVICE LATERAL ELEVATIONS PRIOR TO INSTALLATION OF PIGGY BACK SEWER.

- KEYED NOTES:** ○
1. CONTRACTOR SHALL SURVEY MEDIAN ISLANDS PRIOR TO REMOVAL, SO AS TO RECONSTRUCT THEM TO THEIR ORIGINAL LOCATION.
 2. REMOVE AND REPLACE EXISTING WIRE ENCLOSED RIPRAP BOTH SIDES OF ALAMEDA DRAIN. SEE COA DWG. 2270, L = 20'; A = 1'-0"; B = 1'-0"; C = 1'-0"; D = 7'-6".
 3. REMOVE AND REPLACE DRIVEPAD AND CURB & GUTTER AS REQUIRED.
 4. PLACE STEEL CASING IN OPEN TRENCH.
 5. CONCRETE PAVEMENT REMOVAL SHALL BE TO THE NEAREST JOINT. NEW JOINTS SHALL BE SAME SIZE AND TYPE AS THE ONES REMOVED.
 6. REHAB EXISTING MANHOLE. REMOVE OR PLUG EXISTING 12" LINE (EAST SIDE).
 7. SECTIONS OF SANITARY SEWER ABANDONED IN SHALL BE FILLED WITH LEAN FILL.

SANITARY SEWER SERVICES			
LOT	STATION & OFFSET	INVOPL	NOTES
225	44+12 LT.		6"5ER.
246	43+19 RT.		
4617	44+60 RT.		
161	51+64 LT.		

SURVEY INFORMATION			FIELD NOTES		BENCH MARKS		AS-BUILT INFORMATION	
NO.	BY	DATE	LOCATED AT THE INTERSECTION OF SECOND ST. AND		CONTRACTOR	DATE		
2027	URS GREINER	3/97	GRIEGOS RD. N.W. IN THE SOUTHEAST QUADRANT OF THE		WORK DONE BY	DATE		
	AERIAL	3/97	INTERSECTION.		SURVEYOR'S ACCEPTANCE BY	DATE		
					DATE OF APPLICATION BY	DATE		
					DRAWINGS CORRECTED BY	DATE		
			ELEV. = 4969.900		MICRO-FILM INFORMATION			
					RECORDED BY	DATE		
					NO.			

[illegible]

RECORD SET
David J. Larson
9-7-00

HN
HOLMES & NARVER

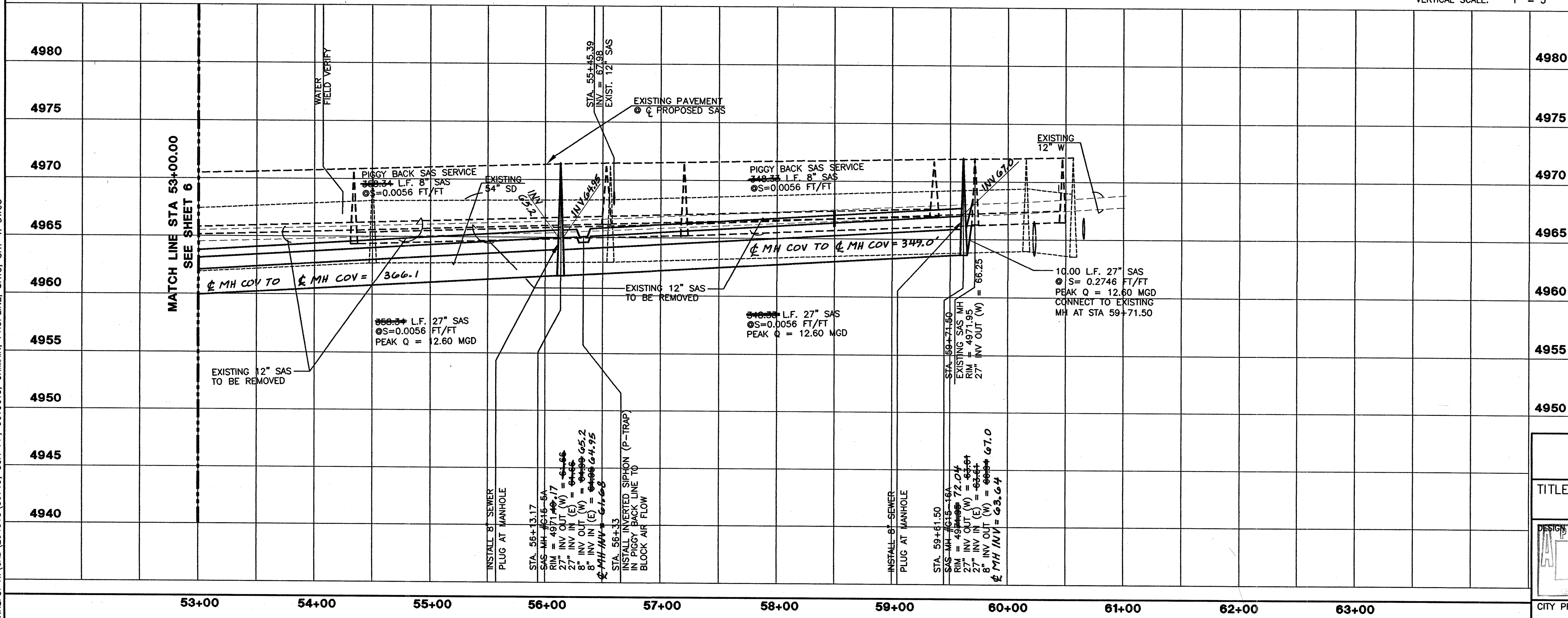
URS Greiner

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP
GRIEGOS ROAD SEWER DIVERSION
STA. 41+90.00 TO 53+00.00

BLOCK AIR	DESIGN REVIEW COMMITTEE		CITY ENGINEER APPROVAL		LAST DESIGN UPDATE	MO./DAY/YR.		MO./DAY/YR.	
									
CITY PROJECT NO.		ZONE MAP NO.		SHEET		OF			
4778.92		G-14		6		19			

N:\cad\294515\6-1\p005.dwg Thu Oct 26 15:11:25 1999

XREFS: N:\CAD\294515\39715; COA-PP; CUTOUTS; GRMAIN; PROPLINE; SHT3; SHT 4; DWGS



MATCH LINE STA 53+00.00
SEE SHEET 6

STA 54+35 6.0' RT.
EXISTING SAS MH #G15-4
TO BE REMOVED

STA 56+13.17
BUILD 1-TYPE "E" 4' DIA MH
MH #G15-5A

STA 57+20 3.3' RT.
EXISTING SAS MH #G15-16
TO BE REMOVED

STA 59+61.50
BUILD 1-TYPE "E" 4' DIA MH
MH #G15-16A

EXISTING MH AT
STA. 67+10.99 AHEAD (PROJECT 3960) SAD 216)
STA. 59+71.50 BACK (PROJECT 4778.92)

CARLTON ST.

LOS HERMANOS ST.

GRIEGOS ROAD



HORIZONTAL SCALE: 1" = 50'
VERTICAL SCALE: 1" = 5'

GENERAL NOTES
1. CONTRACTOR SHALL VERIFY SERVICE
LATERAL ELEVATIONS PRIOR TO INSTALLATION
OF PIGGY BACK SEWER.

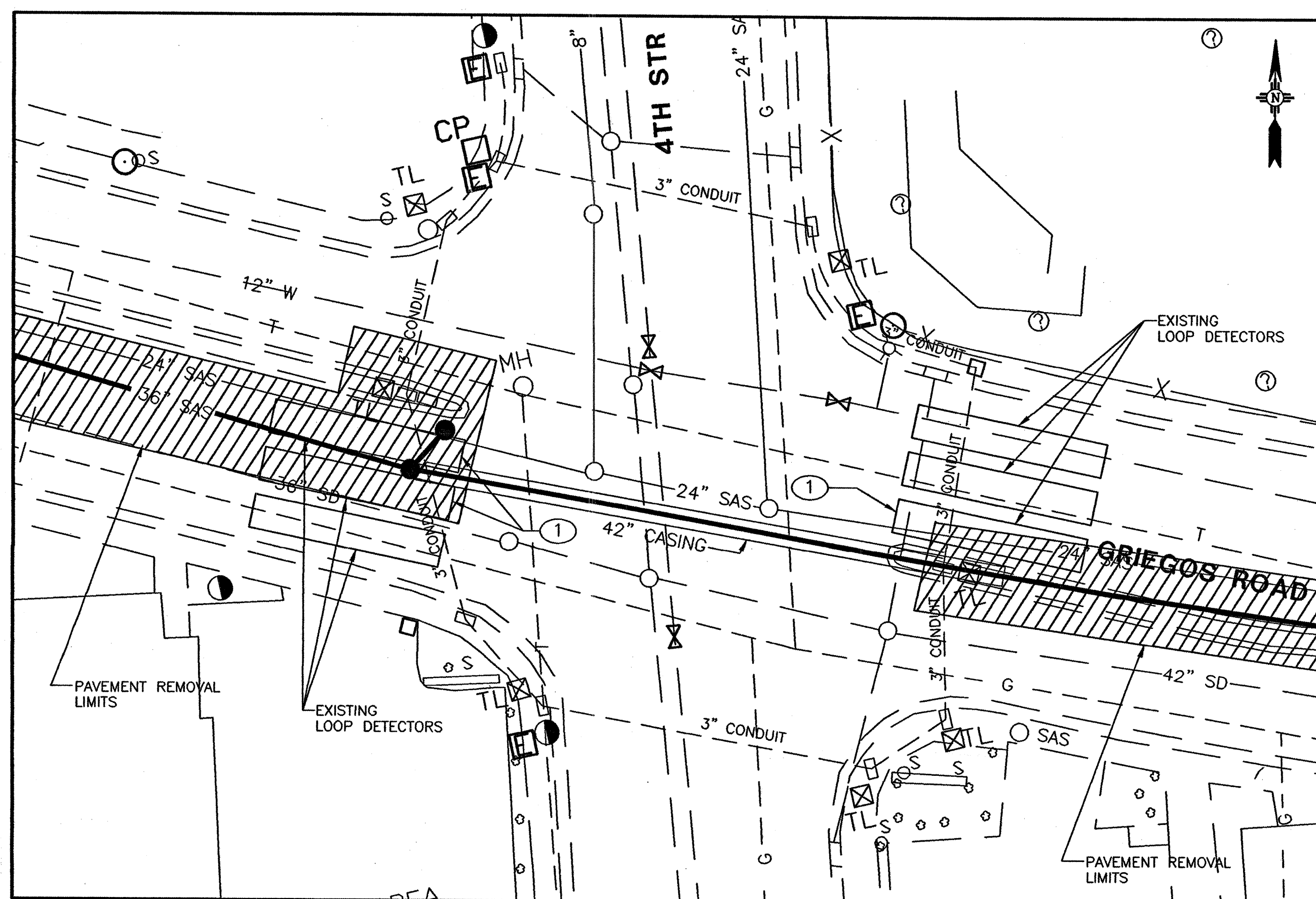
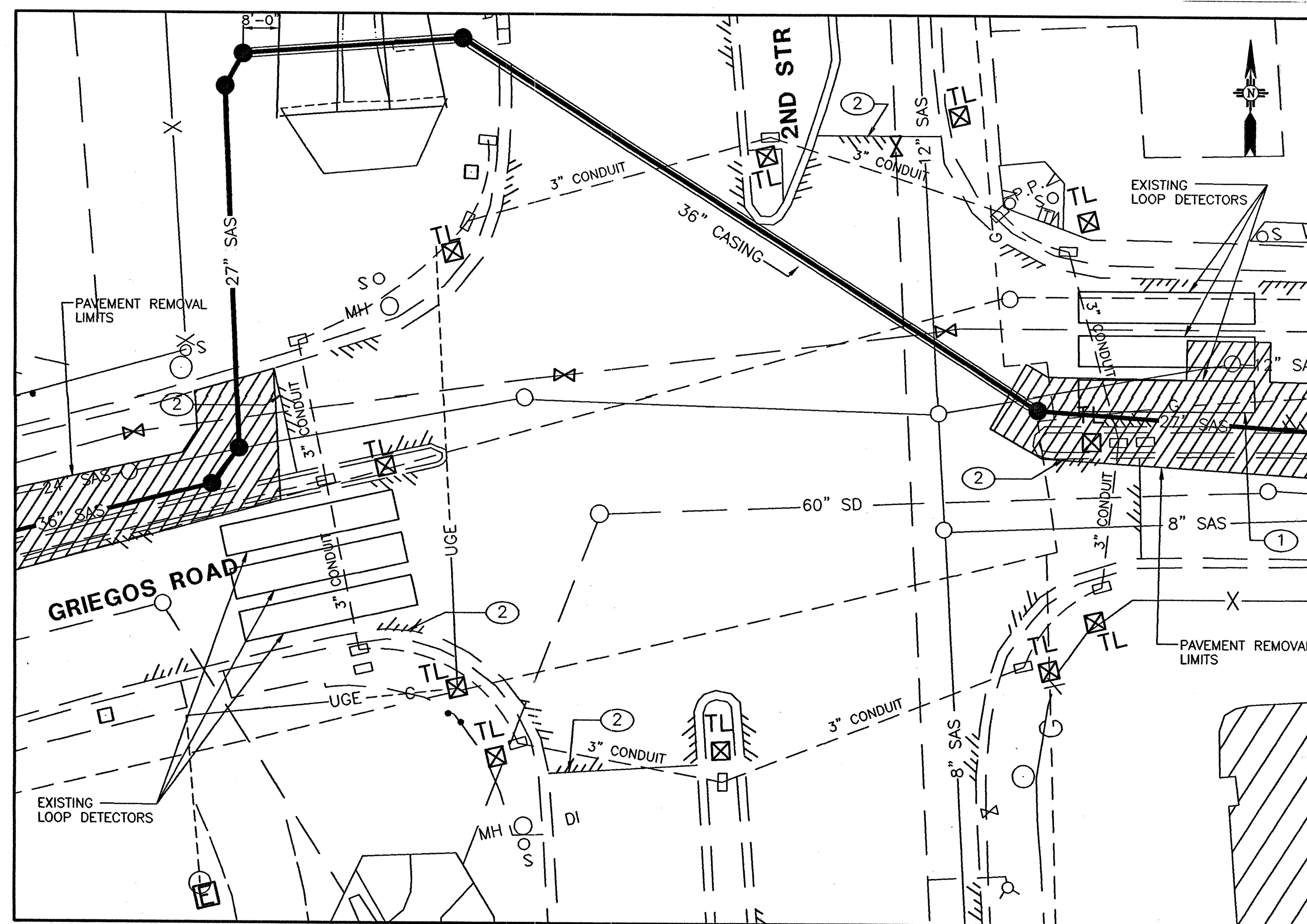
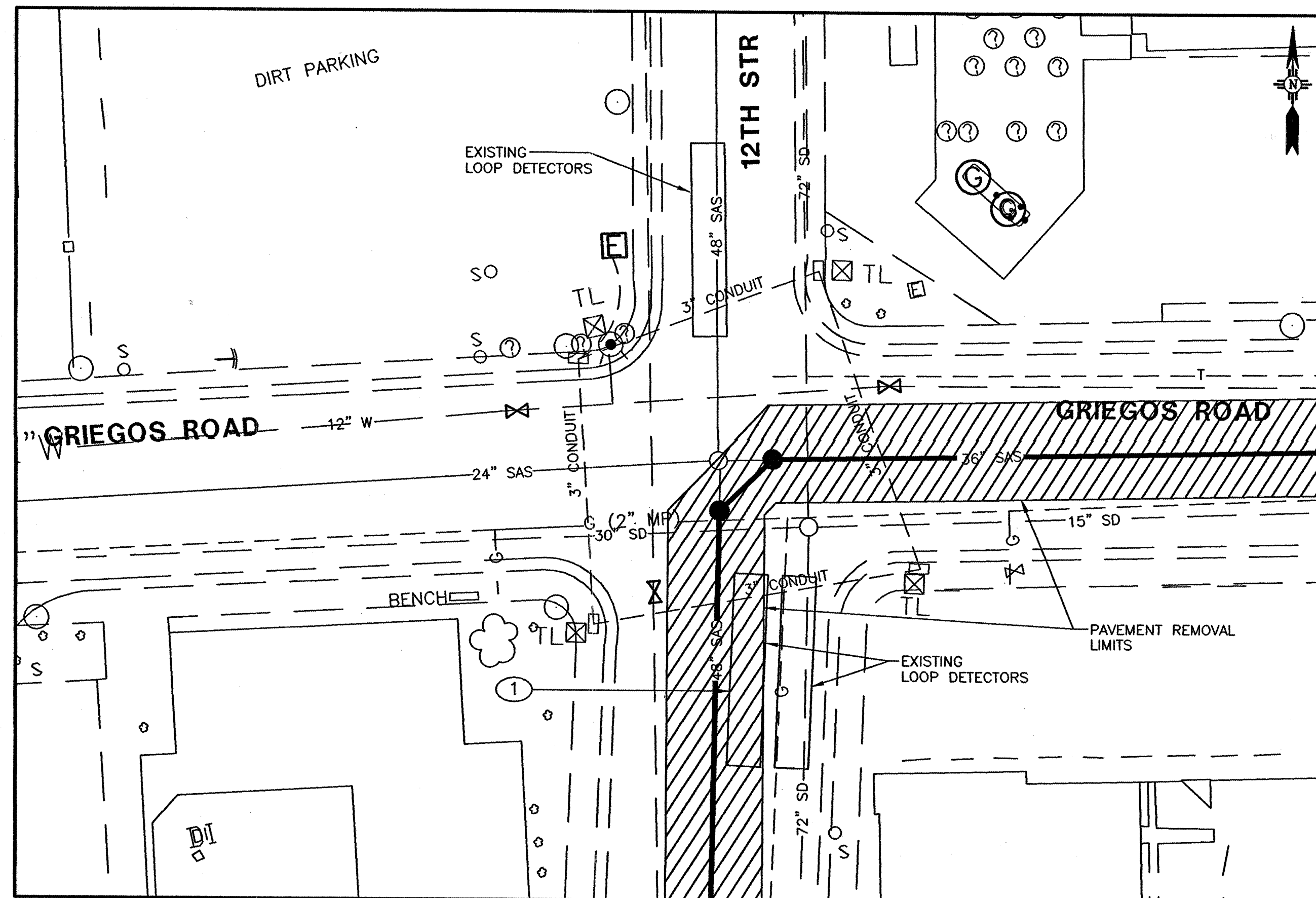
SANITARY SEWER SERVICES			
LOT	STATION & OFFSET	INV@PL	NOTES
153	53+30 LT.		VACANT VACANT VACANT
141	54+24 LT.		
139	54+75 LT.		
137	55+25 LT.		
135	55+54 LT.		
133	55+83 LT.		
131	56+19 LT.		
125	57+12 LT.		
115	58+13 LT.		

AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY		
WORKS BY	DATE	LOCATED IN THE NE QUADRANT OF GREGOS RD. AND THE	DATE	2027	URS GREINER		
INSPECTED BY	DATE	3/97 AT & SF RAILROAD TRACKS INTERSECTION. BEING 36.5	DATE	AERIAL TOM R. MANN	3/97		
APPROVED BY	DATE	FT. EAST OF CENTERLINE OF THE RAILROAD TRACKS AND	DATE			REMARKS REVISIONS DESIGN	
APPROVED BY	DATE	24.5 FEET NORTH OF CENTERLINE OF GREGOS RD.	DATE				
RECORDED BY	DATE	ELEV. = 4976.899	DATE				
NO.						DESIGNED BY: KMB, MSH, RLB	
						DRAWN BY: JAK/RDL/KRM/JLM	
						CHECKED BY: DJL	

RECORD SET
David J. Larson
9-7-00

HN
HOLMES & NARVER
URS Greiner

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: GRIEGOS ROAD SEWER DIVERSION			
STA. 53+00.00 TO 59+71.50			
DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
LAST DESIGN UPDATE		SHEET 7 OF 19	
CITY PROJECT NO. 4778.92		ZONE MAP NO. G-15	



1. THE CONTRACTOR SHALL COORDINATE ANY TRAFFIC SIGNAL MODIFICATIONS OR OPERATIONS WITH THE PRINCIPAL OF THE LA LUZ ELEMENTARY SCHOOL.
2. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING THE EXISTING SIGNAL SYSTEM.
3. THE CONTRACTOR SHALL REMOVE, MAINTAIN, AND REPLACE THE EXISTING SIGNAL SYSTEM AS REQUIRED AT THE INTERSECTIONS OF GRIEGOS RD. AND 2ND, AND GRIEGOS RD. AND 4TH ST.
4. THE CONTRACTOR SHALL NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS (857-8000) THREE WORKING DAYS IN ADVANCE OF ANY ANTICIPATED WORK ON SIGNALS, LIGHTING, AND POWER SERVICES. TRAFFIC ENGINEERING OPERATIONS PERSONNEL WILL ASSIST THE CONTRACTOR IN FIELD LOCATION OF EQUIPMENT, COLOR CODING OF WIRING, AND MUST BE PRESENT WHEN SIGNALS AND LIGHTING ARE SHUT-OFF OR TURNED ON. THE CONTRACTOR SHALL ALSO NOTIFY THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS EACH TIME A TRAFFIC SIGNAL CONTROL DOOR IS OPENED.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING SCHOOL BEACONS, TRAFFIC SIGNALS, THE INTERCONNECT SIGNAL SYSTEM, AND PULL BOXES WITHIN THE PROJECT LIMITS.
6. THE CONTRACTOR SHALL VIDEO TAPE THE EXISTING TRAFFIC SIGNAL EQUIPMENT IN VHS FORMAT AND PROVIDE COPY OF TAPE TO CITY, AND REVIEW THE TAPE WITH CITY OF ALBUQUERQUE TRAFFIC ENGINEERING OPERATIONS PERSONNEL PRIOR TO BEGINNING ANY REMOVALS OF SIGNAL EQUIPMENT. THE TAPE SHALL BECOME THE PROPERTY OF THE CITY AND MAY BE USED TO RESOLVE ANY QUESTIONS RELATED TO THE ORIGINAL CONDITION AND QUALITY OF EXISTING EQUIPMENT. THE EXISTING TRAFFIC SIGNAL EQUIPMENT INCLUDING POLES, CONTROLLER CABINETS, CONFLICT MONITORS, AND DETECTORS SHALL BE DELIVERED TO THE CITY OF ALBUQUERQUE TRAFFIC ENGINEERING YARD ON PINO ROAD NE.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LINE LOCATION OF EXISTING STREET LIGHT LOCATIONS.
8. THE CONTRACTOR SHALL PROVIDE AN OFF-DUTY POLICE OFFICE FOR TRAFFIC CONTROL DURING SIGNAL OUTAGES.

- KEYED NOTE:** ○
-
1. REMOVE AND REPLACE EXISTING LOOP DETECTOR.
 2. CONCRETE PAVEMENT LIMITS.

RECORD SET

David J. Larson
9-7-00

9-7-

HN
HOLMES & NARVER

URS Greiner

HOLMES & NARV

URS Greiner

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

GRIEGOS ROAD SEWER DIVERSION

INTERSECTION PLANS

TITLE: **GRIEGOS ROAD SEWER DIVERSION
INTERSECTION PLANS**

INTERSECTION PLANS

DESIGN REVIEW COMMITTEE

APPROVED

NOV 17 1999

DESIGN REVIEW COMMITTEE

CITY PROJECT NO.

4778 92

CITY ENGINEER APPROVED

NOV 17 1999

CITY ENGINEER

ZONE MAP NO.

ZONE MAP
F 14

LAST DESIGN

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

OF SHEET OF

OF

AS-BUILT INFORMATION	
CONTRACTOR	DATE
WORK PERFORMED BY	DATE
INSPECTOR'S NAME BY	DATE
FIELD	DATE
DRAWINGS CHECKED BY	DATE
MICRO-FILM INFORMATION	
RECORDED BY	DATE
NO.	

[illegible][illegible][illegible]

DATE		MO./DAY/YR.		MO./DAY/YR.	
CENT					
NT GROUP					
VERSION					
S					
UPDATE	MO./DAY/YR.		MO./DAY/YR.		
NO.	SHEET		OF		



10-29-0

DATE: 9/99
DATE: 9/99[illegible]

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BY: DJL
Y: JLM

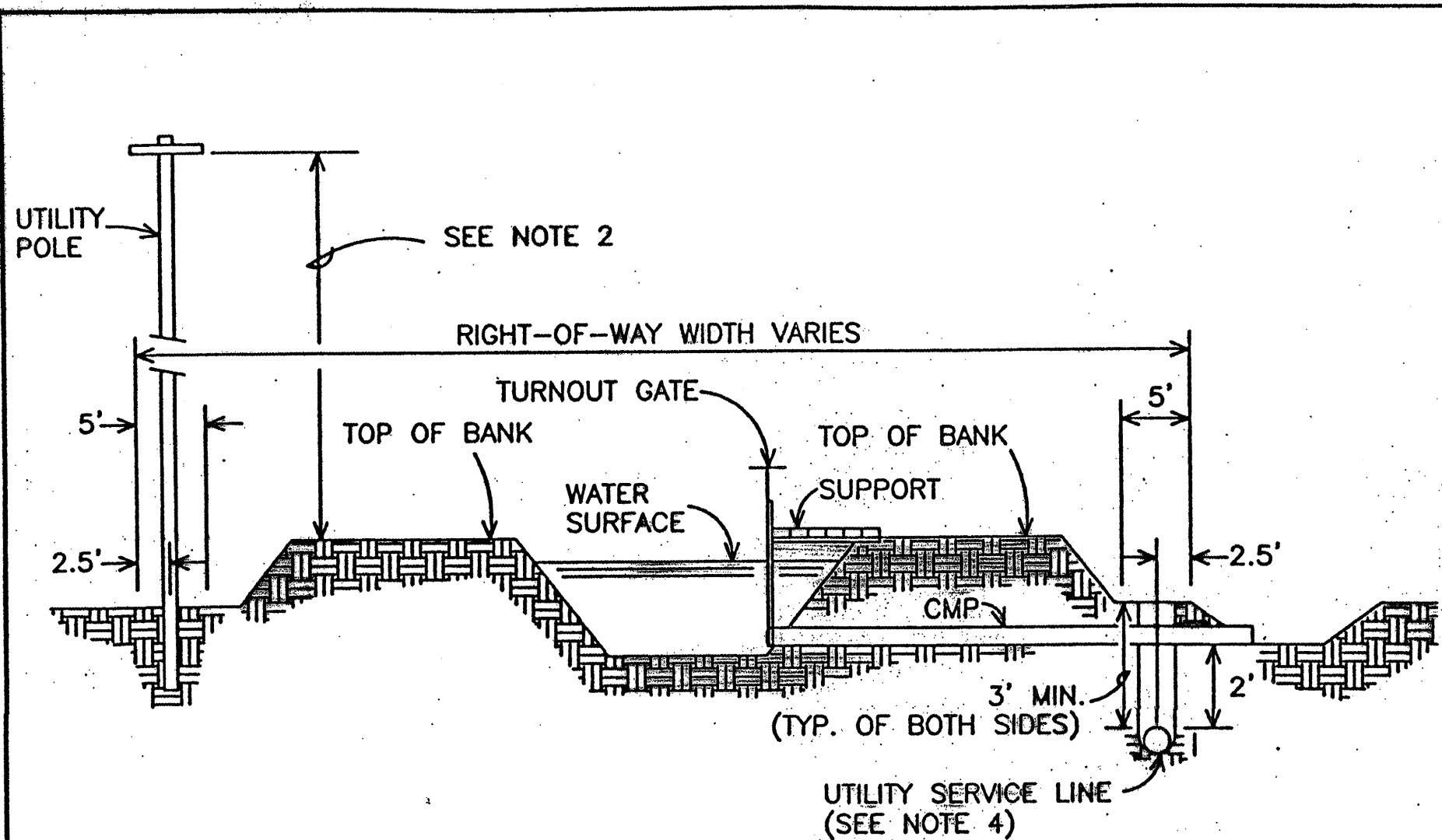
DESIGNED	DRAWN BY
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19

MRGCD
GENERAL CONSTRUCTION NOTES

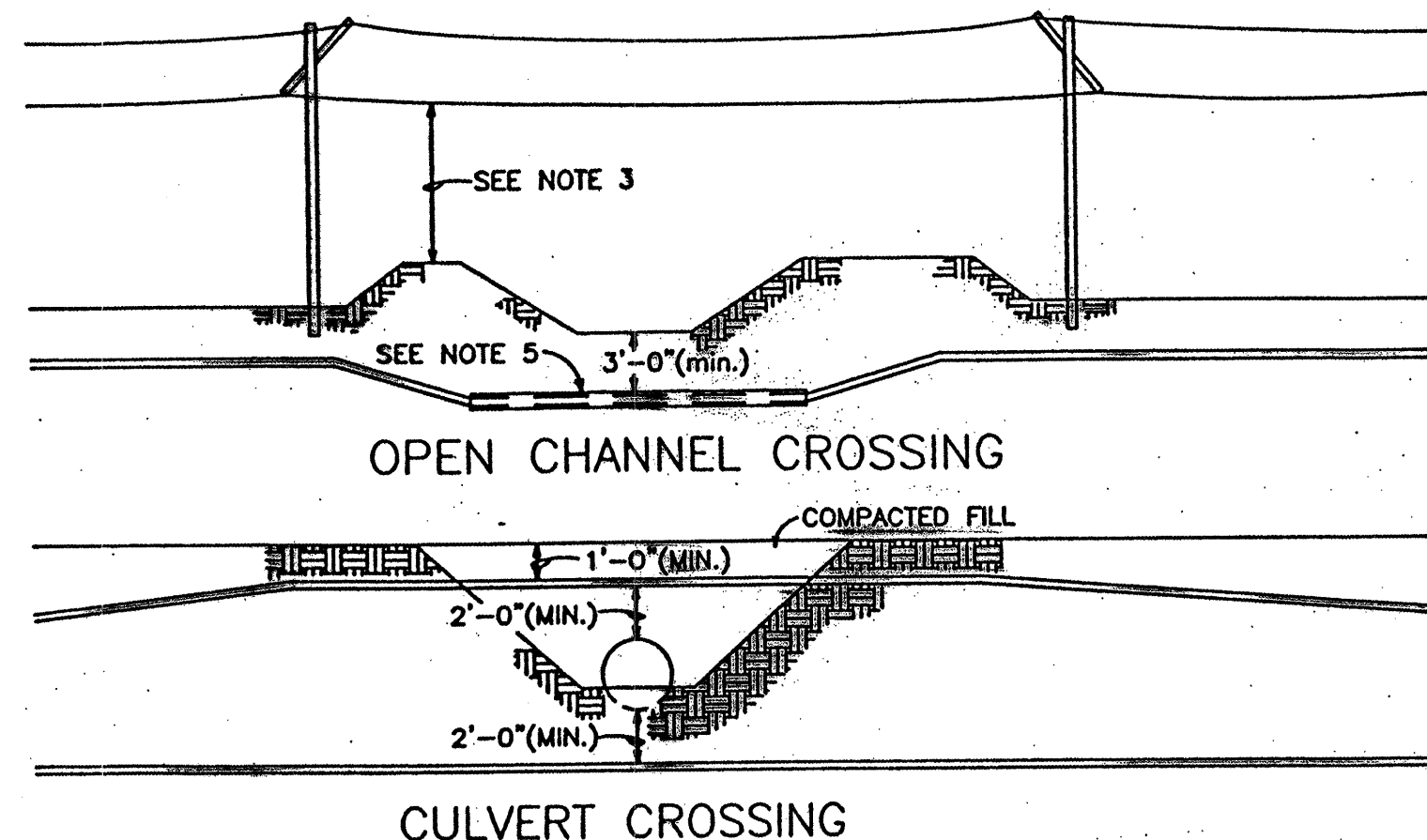
1. ANY WORK TO BE PERFORMED WITHIN THE MIDDLE RIO GRANDE CONSERVANCY DISTRICT (M.R.G.C.D.) RIGHT-OF-WAY SHALL BE CLOSELY COORDINATED WITH THE M.R.G.C.D. ENGINEERING DEPARTMENT AND APPROPRIATE FIELD OFFICE. PHONE: (505)247-0234.
2. NO WORK IS TO BE DONE ON FACILITIES OR STRUCTURES BELONGING TO, OR OPERATED BY, THE M.R.G.C.D. BETWEEN MARCH 1 AND OCTOBER 31 INCLUSIVE. HOWEVER, WORK MAY BE PERMITTED BY THE M.R.G.C.D. IF IT CAN BE SHOWN THAT THE WORK WILL NOT INTERFERE WITH OPERATIONS OF THE M.R.G.C.D. FACILITY. ALL WORK TO BE DONE WITHIN THE M.R.G.C.D. FACILITIES MUST BE APPROVED BY THE M.R.G.C.D. ENGINEER PRIOR TO COMMENCING WORK.
3. THE CONTRACTOR SHALL NOT STORE EQUIPMENT, NEW MATERIALS OR DEBRIS WITHIN DISTRICT RIGHT-OF-WAY WHICH MAY INTERFERE WITH OPERATIONS AND MAINTENANCE OF THE M.R.G.C.D. FACILITY.
4. THE CONTRACTOR SHALL NOT SERVICE VEHICLES OR EQUIPMENT WITHIN M.R.G.C.D. RIGHT-OF-WAY.
5. SEEDING OF DISTURBED AREAS WITHIN M.R.G.C.D. RIGHT-OF-WAY IS REQUIRED PER THE M.R.G.C.D. SEEDING SPECIFICATIONS.
6. THE CONTRACTOR MUST MAINTAIN A MINIMUM COVER OF 3' OVER ALL CULVERT CROSSINGS USED FOR ACCESS TO THE PROJECT SITE.
7. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING AND/OR REPLACEMENT OF ANY STRUCTURES REMOVED AND/OR DAMAGED DUE TO THE CONTRACTOR'S ACTIVITIES WITHIN THE DISTRICT'S RIGHT-OF-WAY. SHOULD ANY TURNOUTS, CULVERT PIPES AND/OR STRUCTURES REQUIRE REPLACEMENT DUE TO LEAKAGE AND/OR DAMAGE BY THE CONTRACTOR, NEW TURNOUTS, AND NEW CULVERT PIPES AND/OR NEW STRUCTURES SHALL REPLACE THE DAMAGED ITEM. REPAIRS AND/OR REPLACEMENT WITHIN THE DISTRICT'S RIGHT-OF-WAY MUST COMPLY WITH THE DISTRICT'S SPECIFICATIONS.
8. ALL DAMAGED CULVERT CROSSINGS AND CULVERT CROSSINGS REMOVED AND/OR DISTURBED MUST BE RESTORED AND/OR REPLACED TO THE SATISFACTION OF THE M.R.G.C.D., AND COMPLY WITH THE M.R.G.C.D. SPECIFICATIONS.
9. ALL SALVAGEABLE CULVERTS, IRRIGATION GATES, ETC. MUST BE RETURNED TO THE M.R.G.C.D.
10. THE CONTRACTOR IS RESPONSIBLE FOR EXECUTING A "SPECIAL USE LICENSE AGREEMENT" WITH THE M.R.G.C.D. PRIOR TO CONSTRUCTION.



NOTES

1. MAINTENANCE OF THE UTILITY SERVICE LINE SHALL BE THE RESPONSIBILITY OF THE LICENSEE.
2. UTILITY INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE LATEST EDITION AND AMENDMENTS OF LOCAL AND STATE CODES. POWER LINES MUST BE INSTALLED A MINIMUM OF 30' ABOVE ANY DITCH, LATERAL, OR DRAIN. TELECOMMUNICATIONS AND CABLE TV MUST BE INSTALLED A MINIMUM OF 25' ABOVE ANY DITCH, LATERAL, OR DRAIN.
3. ALL GUY POLES AND GUY LINES SHALL BE OUTSIDE THE RIGHT-OF-WAY TO PREVENT INTERFERENCE WITH MAINTENANCE OPERATIONS.
4. BACKFILL FOR CUTS IN DISTRICT RIGHT-OF-WAYS SHALL BE COMPACTED TO NOT LESS THAN 90% OF THE MAXIMUM DRY DENSITY OF THE SOIL AS DETERMINED BY THE A.S.T.M. PROCTOR TEST.
5. UTILITY SERVICE LINES INSTALLED WITHIN FACILITY RIGHT-OF-WAYS SHALL BE INSTALLED WITHIN THE OUTSIDE 5' OF THE RIGHT-OF-WAY AND SHALL BE BURIED A MINIMUM OF 3' BELOW SURROUNDING NATURAL GROUND.
6. SEEDING OF DISTURBED AREAS WITHIN DISTRICT RIGHT-OF-WAYS IS REQUIRED PER PROJECT SEEDING SPECIFICATIONS AND DISTRICT SEEDING REQUIREMENTS.
7. LICENSEE IS RESPONSIBLE FOR CONTACTING THE DISTRICT PRIOR TO CONSTRUCTION. THE LICENSEE IS RESPONSIBLE FOR OBTAINING A "SPECIAL USE LICENSE AGREEMENT" FORM THE DISTRICT PRIOR TO ENTERING ANY DISTRICT FACILITY / FACILITIES.

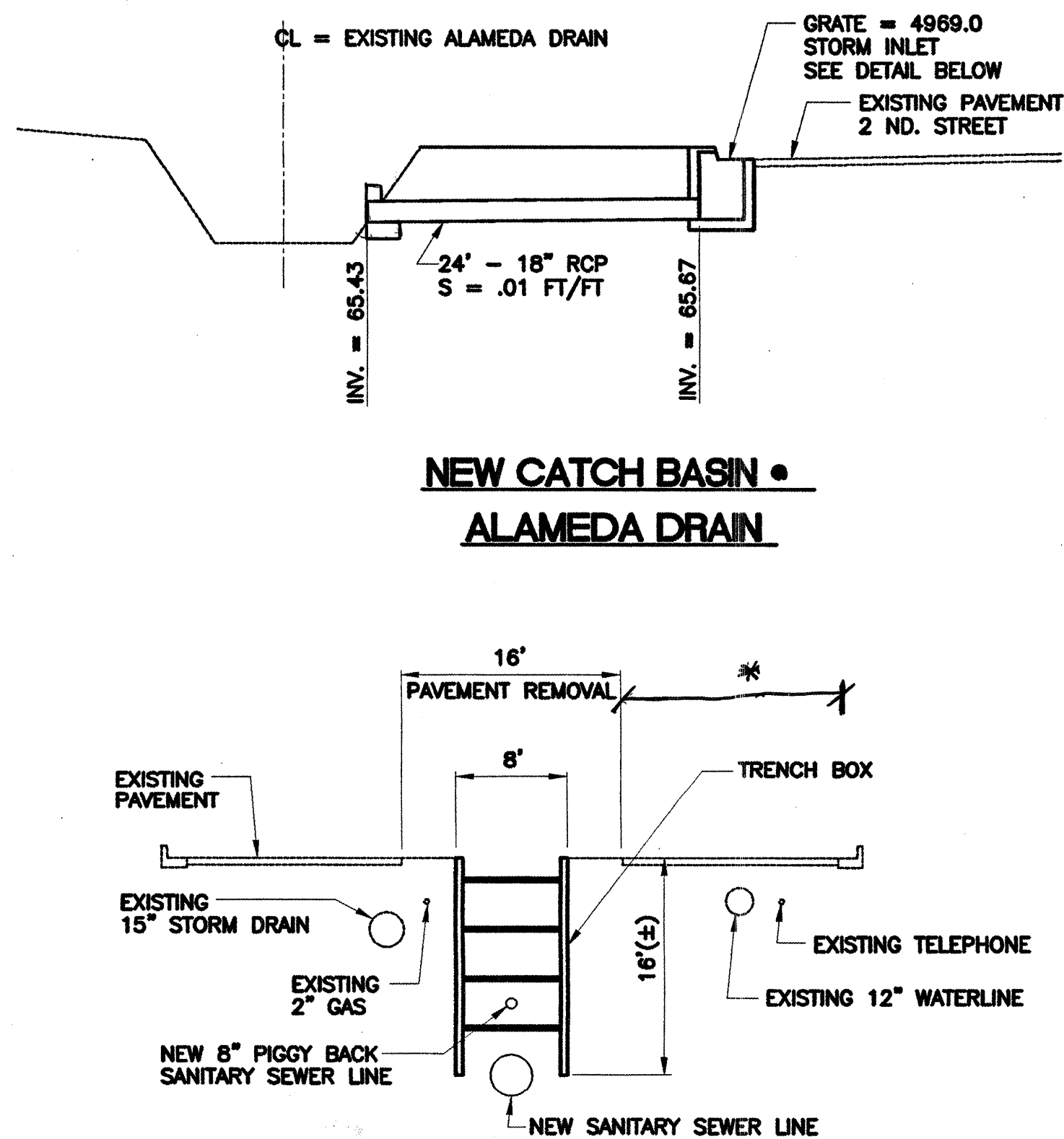
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
MINIMUM CONSTRUCTION STANDARDS
UTILITIES PARALLEL TO
FACILITY RIGHT-OF-WAYS
B.O.R. APPROVAL _____
M.R.G.C.D. APPROVAL _____
DRAWN _____
DRAWING NO. : UTILITY2



CONSTRUCTION NOTES

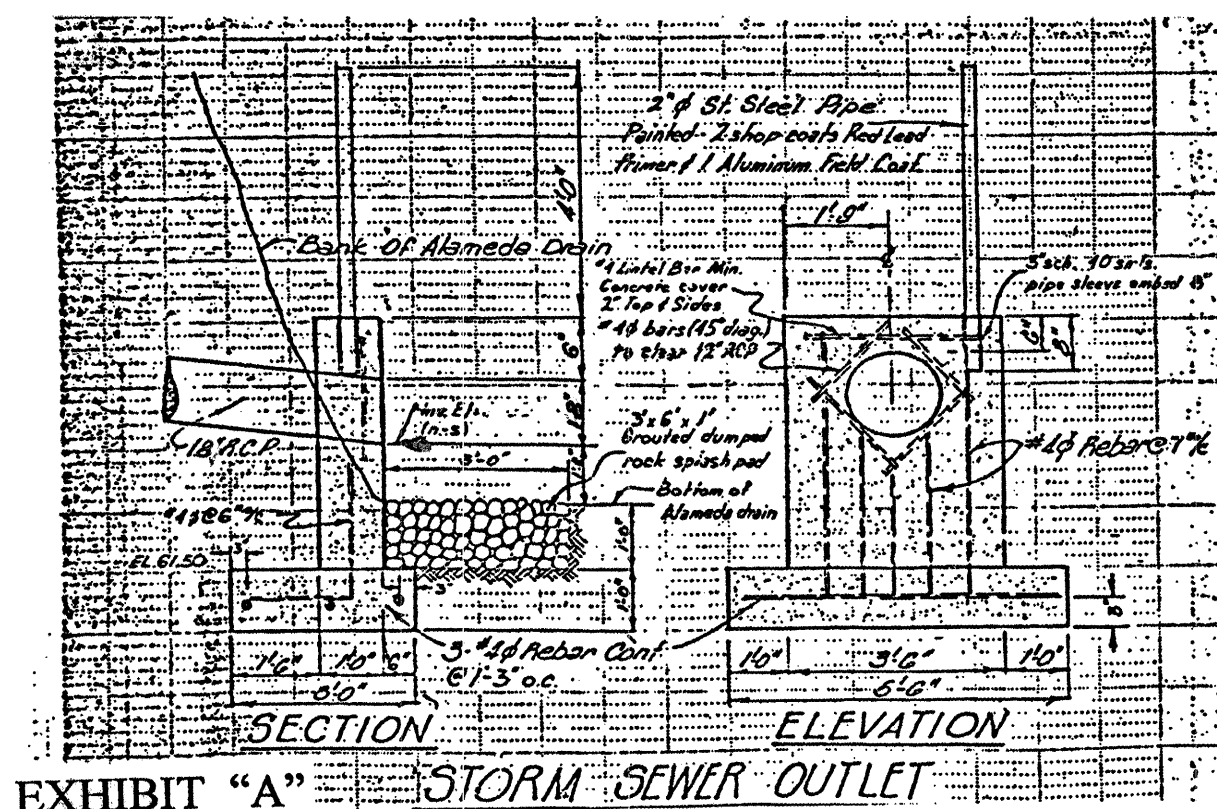
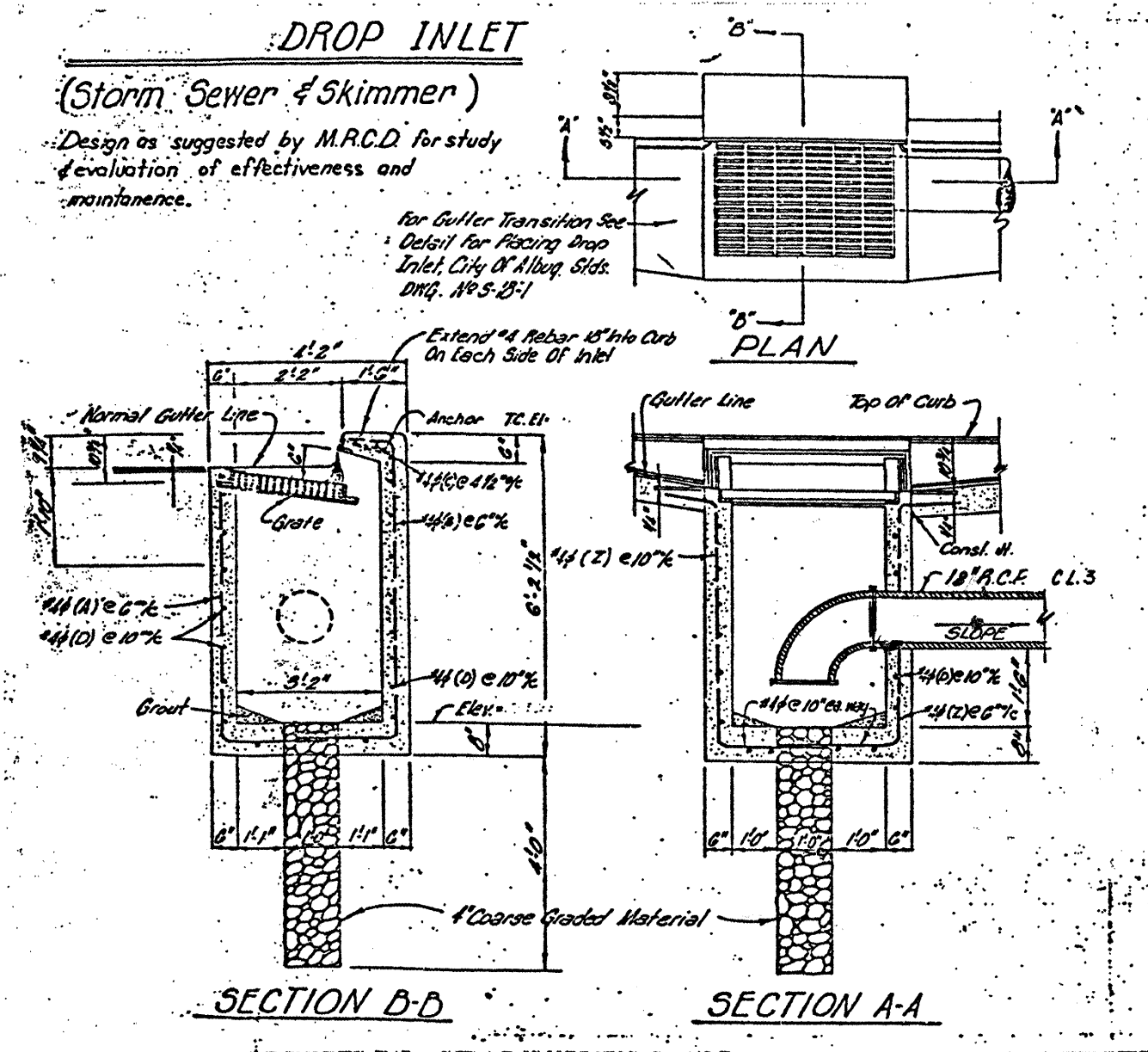
1. No open cuts are permitted during irrigation season, March 1 to November 1.
2. Maintenance of all utility crossings shall be the responsibility of the licensee.
3. Overhead utility installations shall be in accordance with the latest edition and amendments of local and state codes. Power lines must be installed a minimum of 30' above any ditch, lateral, or drain. Telecommunications and Cable TV must be installed a minimum of 25' above any ditch, lateral, or drain.
4. All line poles, and guy poles, and guy lines shall be outside the right-of-way to prevent interference with maintenance operations.
5. Steel pipe shall be used in place of plastic pipe at waterway crossings, or plastic pipe may be used in steel pipe.
6. Utility conduits shall not be hung on checks, culverts, siphon headwalls, or flumes. Trunk utility conduits may be permitted on concrete bridges.
7. Under unlined waterways, a protective sleeve shall be installed around pipe or cable crossings under canal, lateral, or drain prisms. The protective sleeve shall be installed to allow a minimum of 3 feet between the top of the sleeve and design invert, or existing bottom (whichever is lower) of the waterway.
8. Backfill for cuts through waterways and adjacent to culverts shall be compacted to not less than 90% of the maximum dry density of the soil as determined by the ASTM Proctor Test.
9. Under lined waterways, a minimum of 24 inches shall be provided between the top of the utility conduit and the bottom of the waterway lining. Boring or jacking methods of installation shall be used to minimize the disturbance of concrete or membrane-lined waterways.
10. Tunneling, boring, or jacking may be allowed under canals, laterals, and pipe culvert crossings with the approval of the District Engineer. The casing diameter cannot exceed 6-inches.
11. Tunneling, Boring, and Jacking is allowed under drains at any times.
12. The Licensee is responsible for repairing any damages to any canal lining and or pipe culvert crossings caused by tunneling, boring or jacking.
13. Seeding of disturbed areas within District right-of-ways is required per District seeding specifications.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF RECLAMATION
MINIMUM CONSTRUCTION STANDARDS
UTILITIES CROSSING
FACILITY RIGHT-OF-WAYS
B.O.R. APPROVAL _____
M.R.G.C.D. APPROVAL _____
DRAWN _____
DRAWING NO. : UTILITY1



TRENCH DETAIL
LOCATIONS OF EXISTING UTILITIES
VARY ALONG THE CORRIDOR.

* Any remaining pavement width
less than 6' shall be replaced
to top of curb.



RECORD SET
David J. Larrow
9-7-00

HN
HOLMES & NARVER
URS Greiner

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: GREGOS ROAD SEWER DIVERSION
MRGCD AND MISCELLANEOUS DETAILS

DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL	MO./DAY/YR.	MO./DAY/YR.
NOV 17 1999	NOV 17 1999		
DESIGN UPDATE			

CITY PROJECT NO. ZONE MAP NO. SHEET OF

F-14 9 19



REMARKS
REVISIONS
DESIGN
NO. DATE BY
DATE: 9/99
DATE: 9/99
DATE: 9/99

SEGMENT 1- 12th Street to 4th Street

Phase 2. Section Between 12th Street and 11th Street
Close access to through traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection)
Provide access to residences only on westbound direction

Phase 3 11th Street/Griegos Intersection
Close access to through traffic on Griegos Road and 11th Street traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection)
Provide access to residences only on westbound direction

Phase 4 Section Between 11th and 10th Streets
Close access to through traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection)
Provide access to residences only on westbound direction
The Los Griegos Branch Library is located on the south side of this block. Access to the Library from Griegos Road will be temporarily interrupted during construction. Access is available from 10th Street.

Phase 5 10th Street/Griegos Intersection
Close access to through traffic on Griegos Road and 10th Street traffic as shown on typical detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection)
Provide access to residences only on westbound direction

Phase 6 Section Between 10th and 9th Streets
Close access to through traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection). Provide access to residences only on westbound direction
Access to the residences on the south side of Griegos Road will be interrupted during construction.

Phase 7 9th Street/Griegos Intersection
Close access to through traffic on Griegos Road and 9th Street traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection).
Provide access to residences only on westbound direction

Phase 8 Section Between 9th and 6th Streets
Close access to through traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection). Provide access to residences only on westbound direction

Phase 9 6th Street/Griegos Intersection
Close access to through traffic on Griegos Road and 6th Street traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection).
Provide access to residences only on westbound direction

Phase 11 5th Street/Griegos Intersection
Close access to through traffic on Griegos Road and 5th Street traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection).
Provide access to residences only on westbound direction

Phase 12 Section Between 5th and 4th Streets
Close access to through traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Street Closures, Typical Lane Closure at Intersection). Provide access to residences and businesses only on westbound direction

SEGMENT 2 – 4th Street to 2nd Street

Phase 1 – Section Between 4th Street to West of 3rd Street
Install temporary traffic signal.
Maintain one lane of traffic open in the westbound direction.
Close access to eastbound through traffic as shown on Typical Detour for Street Closure (Sheet #12 Typical Lane Closure at Intersection)
Detour plans must be in place prior to the morning rush hour

Phase 2. Section Between West of 3rd Street to West of Calle De La Luz
Maintain access for one lane in the eastbound and one lane in the westbound direction.
Closure of lanes to be done as shown on the Typical Detour for Lane Closure at Intersection and Traffic Split – Raised Median (Sheet #12
Detour plans must be in place prior to the morning rush hour

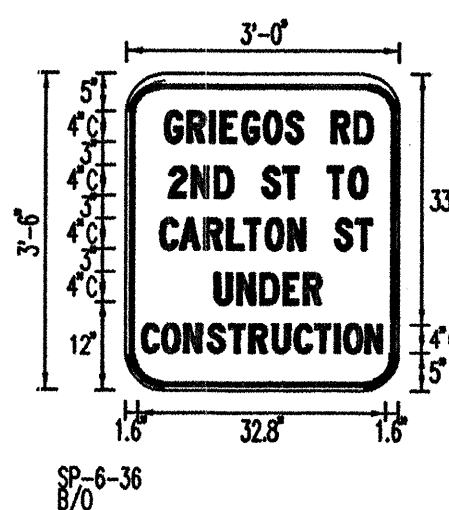
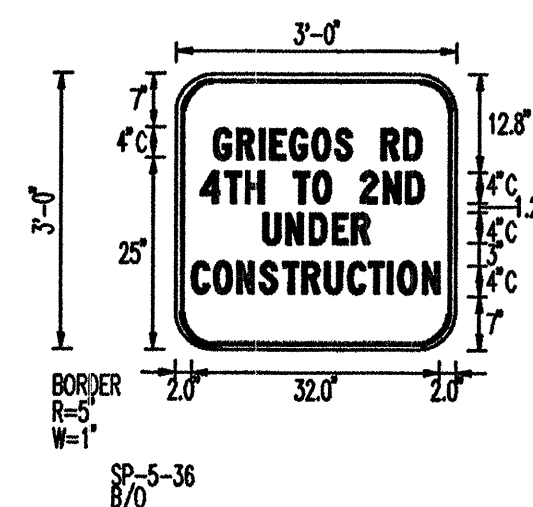
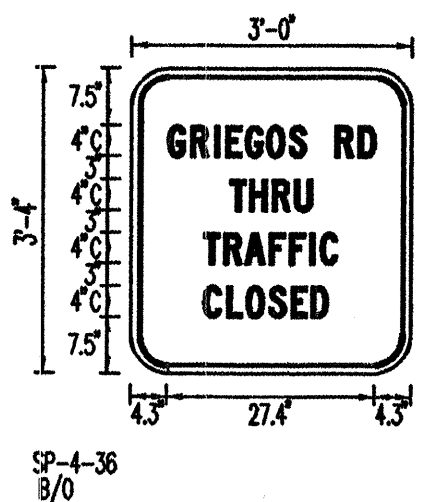
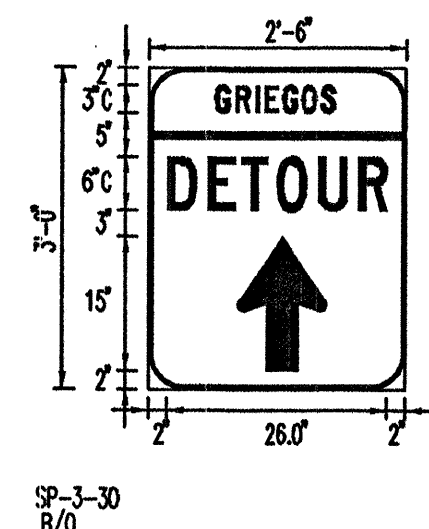
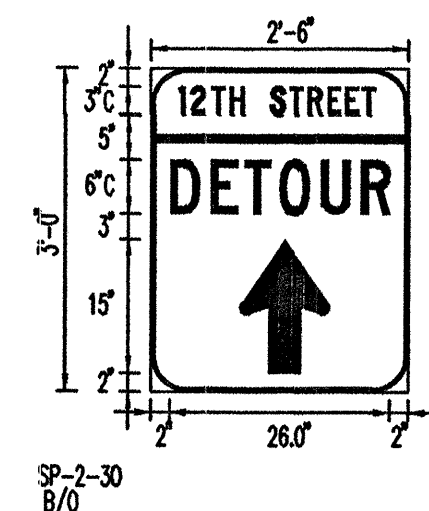
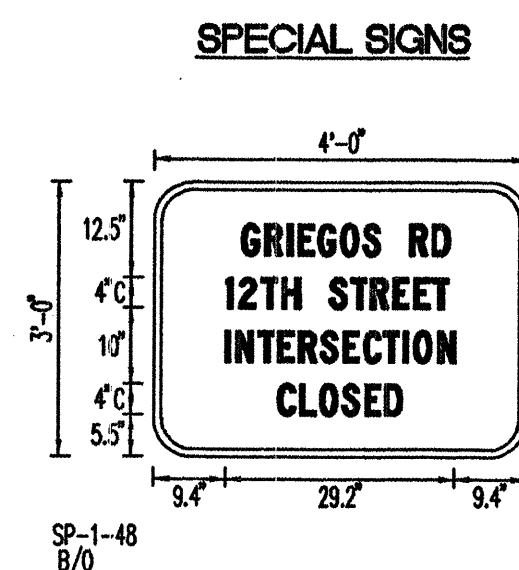
Phase 3 West of Calle De La Luz to East of Calle De La Luz
Close access to Calle De La Luz
This operation should be performed preferably on a weekend
Begin construction activities on Saturday at 7:00 AM work continuously
on a 24 hrs day basis through Sunday at 7:00 PM
Provide advance notification to La Luz Elementary School Principal

Phase 4 East of Calle De La Luz to Alameda Drain
Maintain access for one lane in the eastbound and one lane in the westbound direction. Open access to Calle De La Luz

SEGMENT 3 – 2nd Street to Carlton

Phase 1 – Section Between 2ND Street to West of Las Hermanas Street
Median closure. Install temporary traffic signal.
Maintain one lane of traffic open in the eastbound and westbound
directions. Modify access to eastbound and westbound through traffic as
shown on Typical Lane Closure at Intersection and Typical Left Lane
Closure (Sheet # 12) Detour plans must be in place prior to the morning
rush hour

Phase 2. Section Between West of Las Hermanas Street to Carlton
Close access to westbound traffic. Maintain one lane open for eastbound traffic. Closure of lanes to be done as shown on the Typical Lane Closure at Intersection and Typical Street Closure (Sheet #12)
Detour plans must be in place prior to the morning rush hour



David J Larrow
9-7-00

HN
HOLMES & NARVER
URS Greiner

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: **GRIEGOS ROAD SEWER DIVERSION
SUGGESTED SEQUENCE OF CONSTRUCTION**

[illegible]

CITY PROJECT NO.	4778.92	ZONE MAP NO.	F-14 G-14 G-15	SHEET	10	OF	19
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DWG: N:/CAD/294518/PLANS/Sequence-CW.DWG
TIME: 09:03 10-26-99
XREF: BORDER.DWG

CONSTRUCTION TRAFFIC CONTROL GENERAL NOTES

1. CONTRACTOR MUST OBTAIN FROM CONSTRUCTION COORDINATION AN EXCAVATION/BARRICADING PERMIT BEFORE ENGAGING IN ANY CONSTRUCTION, MAINTENANCE OR REPAIR WORK IN ANY OF THE CITY OF ALBUQUERQUE'S RIGHTS-OF-WAY. EMERGENCY WORK THAT WOULD PRESERVE LIFE OR PROPERTY IS EXCLUDED WITH THE UNDERSTANDING, THAT A PERMIT SHALL BE OBTAINED WITHIN 24 TO 48 HOURS.

2. CONTRACTOR SHALL AT THE TIME OF PERMIT REQUEST, SUBMIT FOR APPROVAL BY CONSTRUCTION COORDINATION, A TRAFFIC CONTROL PLAN DETAILING ALL EXISTING TOPOGRAPHY SUCH AS LANE WIDTHS, DRIVEWAYS, AND BUSINESS/RESIDENTIAL ACCESSES. THE TRAFFIC CONTROL PLAN SHALL INCLUDE ALL PHASES OF WORK AND SCHEDULES INVOLVED IN THE CONSTRUCTION PROJECT. ANY SEPARATE PHASES OF A CONSTRUCTION PROJECT SHALL BE GIVEN AN INDIVIDUAL PERMIT EACH. BLANKET PERMITS WILL NOT BE ISSUED.

3. THESE TYPICAL TRAFFIC CONTROL PLANS DO NOT REFLECT THE EXISTING TOPOGRAPHY SUCH AS DRIVEWAYS, LANE WIDTHS, AND BUSINESS/RESIDENTIAL ACCESSES. EVERY LOCATION THAT REQUIRES CONSTRUCTION TRAFFIC CONTROL SHALL HAVE A DETAILED TRAFFIC CONTROL PLAN SHOWING ALL EXISTING TOPOGRAPHY.

4. CONSTRUCTION SHALL NOT BEGIN UNLESS A TRAFFIC CONTROL PLAN HAS BEEN APPROVED AND VERIFIED BY CONSTRUCTION COORDINATION.

5. CONSTRUCTION COORDINATION SHALL BE NOTIFIED 48 HOURS PRIOR TO ANY TRAFFIC CONTROL CHANGES NEEDED BY CONTRACTOR, THAT WERE NOT PREVIOUSLY APPROVED. THESE TRAFFIC CONTROL CHANGES SHALL BE REQUESTED IN WRITING ACCOMPANIED WITH A TRAFFIC CONTROL PLAN REFLECTING SUCH CHANGES.

6. ALL CONSTRUCTION TRAFFIC CONTROL DEVICES SHALL COMPLY TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSTALL, SERVICE AND MAINTAIN ALL TRAFFIC CONTROL DEVICES. TRAFFIC CONTROL DEVICES SHALL NOT BE REMOVED OR ALTERED IN ANY WAY WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION, PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

7. THE CONSTRUCTION TRAFFIC CONTROL INITIAL SET-UP SHALL BE BY AN AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) CERTIFIED WORKSITE TRAFFIC SUPERVISOR. THE MAINTENANCE AND SERVICING SHALL ALSO BE DONE BY AN ATSSA CERTIFIED WORKSITE TRAFFIC SUPERVISOR OR EQUIVALENT.

8. CONTRACTOR IS RESPONSIBLE TO MAINTAIN AND SERVICE ALL TRAFFIC CONTROL DEVICES 24 HOURS A DAY, 7 DAYS A WEEK THROUGHOUT LENGTH OF PROJECT. CONTRACTOR IS RESPONSIBLE THAT ALL TRAFFIC CONTROL DEVICES COMPLY WITH THE MUTCD, LATEST EDITION.

9. ALL ADVANCE WARNING SIGNS SHALL BE DOUBLE INDICATED WHENEVER THERE ARE MULTI-LANE TRAFFIC IN ANY ONE GIVEN DIRECTION AND THERE IS SUFFICIENT MEDIAN SPACE.

10. ALL BARRICADES IN ALL TAPERS AND TANGENTS SHALL BE PLACED APART, A DISTANCE MEASURED IN FEET, EQUAL TO THAT OF THE POSTED SPEED LIMIT. NO EXCEPTIONS UNLESS APPROVED BY CONSTRUCTION COORDINATION PER MUTCD SECTION 6A-4.

11. ALL WORK IN ARTERIAL ROADWAYS SHALL BE ON A CONTINUOUS 24-HOUR PER DAY BASIS UNTIL COMPLETED.

12. CONTRACTOR IS RESPONSIBLE TO PROVIDE CONSTRUCTION COORDINATION, A WEEKLY LOG OF DAILY INSPECTIONS OF BARRICADE AND MAINTENANCE SCHEDULES ON PROJECTS THAT ARE OVER ONE WEEK DURATION.

13. EQUIPMENT OR MATERIALS SHALL NOT BE STORED WITHIN 15 FEET OF A TRAVELLED TRAFFIC LANE DURING NON-WORKING HOURS WITHOUT THE APPROVAL OF CONSTRUCTION COORDINATION.

14. CONTRACTOR SHALL PROVIDE AND MAINTAIN A SAFE AND ADEQUATE MEANS OF CHANNELIZING PEDESTRIAN TRAFFIC AROUND AND THROUGH THE CONSTRUCTION AREA.

15. CONTRACTOR IS RESPONSIBLE FOR OBLITERATION OF ANY CONFLICTING STRIPING AND RESPONSIBLE FOR ALL TEMPORARY STRIPING.

16. CONTRACTOR SHALL MAINTAIN ACCESS TO ALL FACILITIES, BUSINESSES AND/OR RESIDENTS AT ALL TIMES.

17. CONTRACTOR SHALL PROVIDE ACCESS SIGNS FOR BUSINESSES LOCATED WITHIN THE CONSTRUCTION AREA UNDER THE SUPERVISION OF CONSTRUCTION COORDINATION. EACH ACCESS SIGN SHALL HAVE 5 INCH, WHITE OPAQUE LETTERING ON BLUE REFLECTORIZED BACKGROUND. ACCESS SIGNS SHALL BE CONSIDERED INCIDENTAL TO THE BID AND NOT PART OF THE CONTRACT UNLESS OTHERWISE STATED. NO MORE THAN 3 BUSINESSES SHALL BE LISTED ON A ACCESS SIGN. SHOPPING CENTERS AND MALLS SHALL BE LISTED AS SUCH.

18. ALL ADVANCE WARNING SIGNS SHALL MEET THE MINIMUM REFLECTIVE INTENSITY REQUIREMENTS SET FORTH BY THE CITY OF ALBUQUERQUE. CONSTRUCTION COORDINATION SHALL DETERMINE ALL REQUIREMENTS AND APPROVE OR DISAPPROVE ANY ADVANCE WARNING SIGN PER SECTION 6A-4 OF THE MUTCD, LATEST EDITION.

19. 48 HOURS PRIOR TO OCCUPYING OR CLOSING OF A RIGHT-OF-WAY, CONTRACTOR SHALL NOTIFY: POLICE, FIRE DEPARTMENT, SCHOOLS, HOSPITALS, TRANSIT AUTHORITY, BUSINESSES AND/OR RESIDENTS THAT WILL BE AFFECTED BY THE CONSTRUCTION.

20. ANY FIELD ADJUSTMENTS SHALL BE APPROVED BY CONSTRUCTION COORDINATION.

21. EXCAVATIONS SHALL BE PLATED, TEMPORARILY PATCHED OR RESURFACED PRIOR TO OPENING OF TRAFFIC. A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ANY GIVEN DIRECTION. CONTRACTOR IS RESPONSIBLE FOR ANY WORK INVOLVED IN SATISFYING THESE REQUIREMENTS.

22. CONTRACTOR SHALL AT ALL TIMES COMPLY WITH THE FOLLOWING:
1. STANDARDS AND REQUIREMENTS SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. THE CITY OF ALBUQUERQUE TRAFFIC CODE, LATEST EDITION.
3. SECTION 19 OF THE CITY OF ALBUQUERQUE'S STANDARD SPECIFICATIONS FOR PUBLIC WORK CONSTRUCTION, AS WELL AS OTHER SECTIONS.

23. FAILURE TO COMPLY WITH ANY OF THE ABOVE MENTIONED, WILL BE ADEQUATE CAUSE TO CEASE ALL WORK ON ANY CONSTRUCTION PROJECT. WORK WILL NOT RESUME UNTIL ALL REQUIREMENTS ARE ADDRESSED AND APPROVED BY CONSTRUCTION COORDINATION.

24. ALL TRAFFIC CONTROL DEVICES SHALL BE KEPT IN NEW-CLEAN CONDITION. WASHING OF EQUIPMENT IS INCIDENTAL TO ITS PLACEMENT AND MAINTENANCE.

25. TRAFFIC CONTROL STANDARDS APPLY ONLY WHERE THE CONSTRUCTION TRAFFIC CONTROL PLANS ARE NOT SPECIFIC.

26. ADVANCE WARNING SIGNS SHALL BE 36"x36" MIN. WITH SUPER ENGINEERING GRADE SHEETING OR BETTER. MOUNTING HEIGHT AT TOP OF SIGN SHALL BE THE SAME AS FOR A 48" SIGN AS INDICATED IN THE M.U.T.C.D.

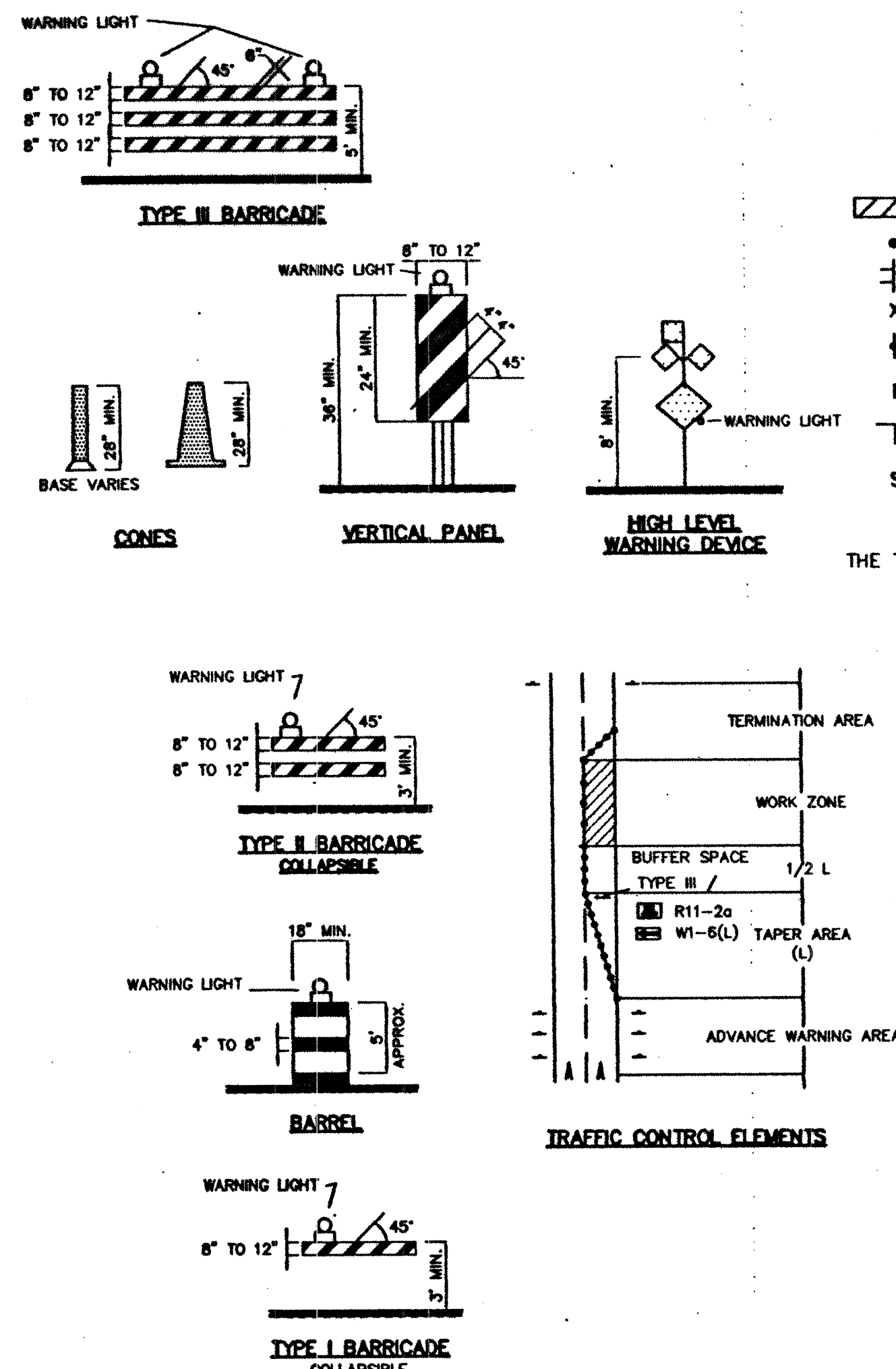
27. CONTRACTOR SHALL MAINTAIN A GRAFFITI-FREE WORKSITE. ALL GRAFFITI SHALL BE PROMPTLY REMOVED FROM ALL EQUIPMENT, BOTH PERMANENT AND TEMPORARY.

"SPECIAL PROJECT NOTES"

A. CONTRACTOR SHALL BACKFILL AND PAVE EACH PHASE PRIOR TO REMOVING PAVEMENT FOR THE NEXT PHASE.

B. ACCESS TO FIRE STATION AND LIBRARY MUST BE MAINTAINED AT ALL TIMES. CONTRACTOR MUST PROVIDE APPROPRIATE ACCESS SIGNS TO BOTH THE LIBRARY AND THE FIRE STATION AT ALL TIMES.

C. LANE CLOSURES FOR BY-PASS PUMPING ON 2ND STREET OR 4TH STREET MUST OCCUR AT NIGHT FROM 7:00 P.M. TO 5:00 A.M. ONLY.



LEGEND

- WORK AREA
 - BARRICADE - TYPE I, TYPE II, OR BARREL
 - BARRICADE - TYPE III
 - VERTICAL PANEL
 - WARNING SIGN
 - DISTANCE BETWEEN SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO A VALUE OF TEN TIMES THE SPEED LIMIT OF THE STREET
 - FLAGMAN POSITION
 - SPACING BETWEEN BARRICADES - A DISTANCE MEASURED IN FEET EQUAL TO THE SPEED LIMIT OF THE STREET
 - TAPER LENGTH - SEE CHART BELOW
- THE TANGENT LENGTH IS EQUAL TO THE TAPER LENGTH FOR A GIVEN STREET.

TAPER REQUIREMENTS

SPEED LIMIT (MPH)	TAPER LENGTH (L) (FEET)			MINIMUM NUMBER OF DEVICES FOR TAPER	MAXIMUM DEVICE SPACING IN FEET	
	10' LANE	11' LANE	12' LANE		ALONG TAPER	AFTER TAPER
20	70	75	80	5	20	20
25	105	115	125	6	25	25
30	150	165	180	7	30	30
35	205	225	245	8	35	35
40	270	295	320	9	40	40
45	450	495	540	13	45	45
50	500	550	600	13	50	50
55	550	605	660	13	55	55

RECOMMENDED SIGN SPACING(D) FOR ADVANCE WARNING SIGN SERIES

SPEED LIMIT (MPH)	MINIMUM DISTANCE IN FEET BETWEEN SIGNS	FROM LAST SIGN TO TAPER
0-20	10 X SPEED LIMIT	10 X SPEED LIMIT
25-30	10 X SPEED LIMIT	10 X SPEED LIMIT
30-35	10 X SPEED LIMIT	10 X SPEED LIMIT
40-45	10 X SPEED LIMIT	10 X SPEED LIMIT
50-60	10 X SPEED LIMIT	10 X SPEED LIMIT

TAPER CRITERIA

TYPE OF TAPER	TAPER LENGTH
UPSTREAM TAPER:	
MERGING TAPER	L MINIMUM
SHIFTING TAPER	1/2 L MINIMUM
SHOULDER TAPER	1/2 L MINIMUM
TWO-WAY TRAFFIC TAPER	100 FEET MAXIMUM
DOWNSTREAM TAPERS	100 FEET PER LANE

TAPER LENGTH COMPUTATION

SPEED LIMIT	L = W x S ² / 60
40 MPH OR LESS	
45 MPH OR GREATER	L = W x S

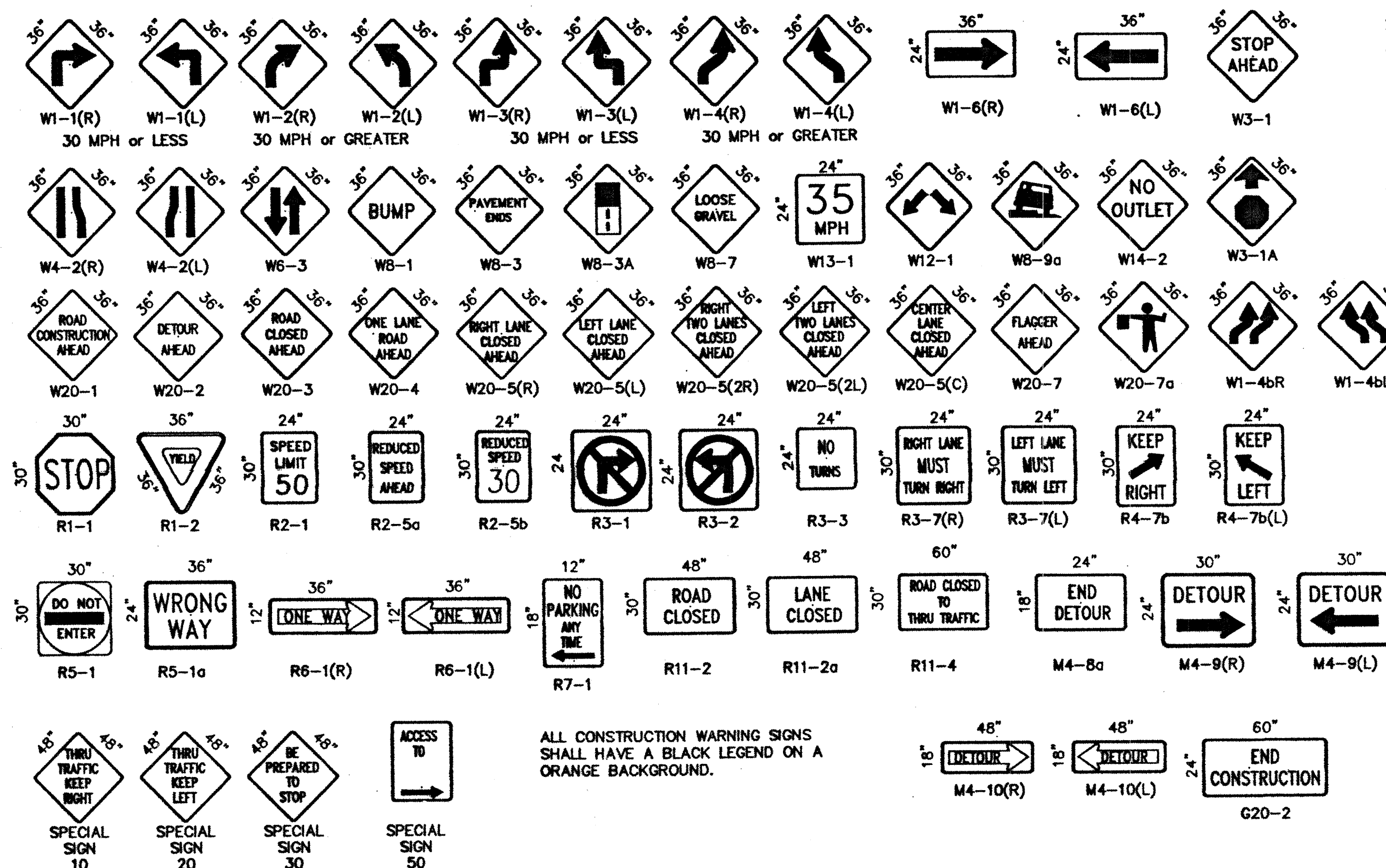
L = TAPER LENGTH
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED OR OFF-PEAK 85-PERCENTILE SPEED IN MPH

RECORD SET

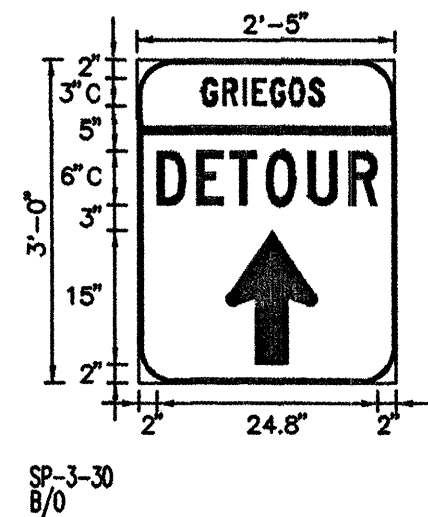
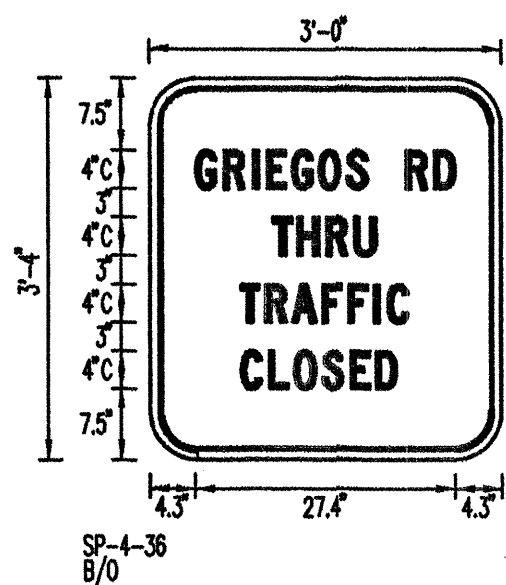
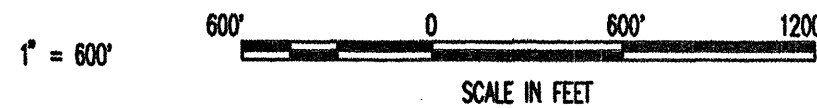
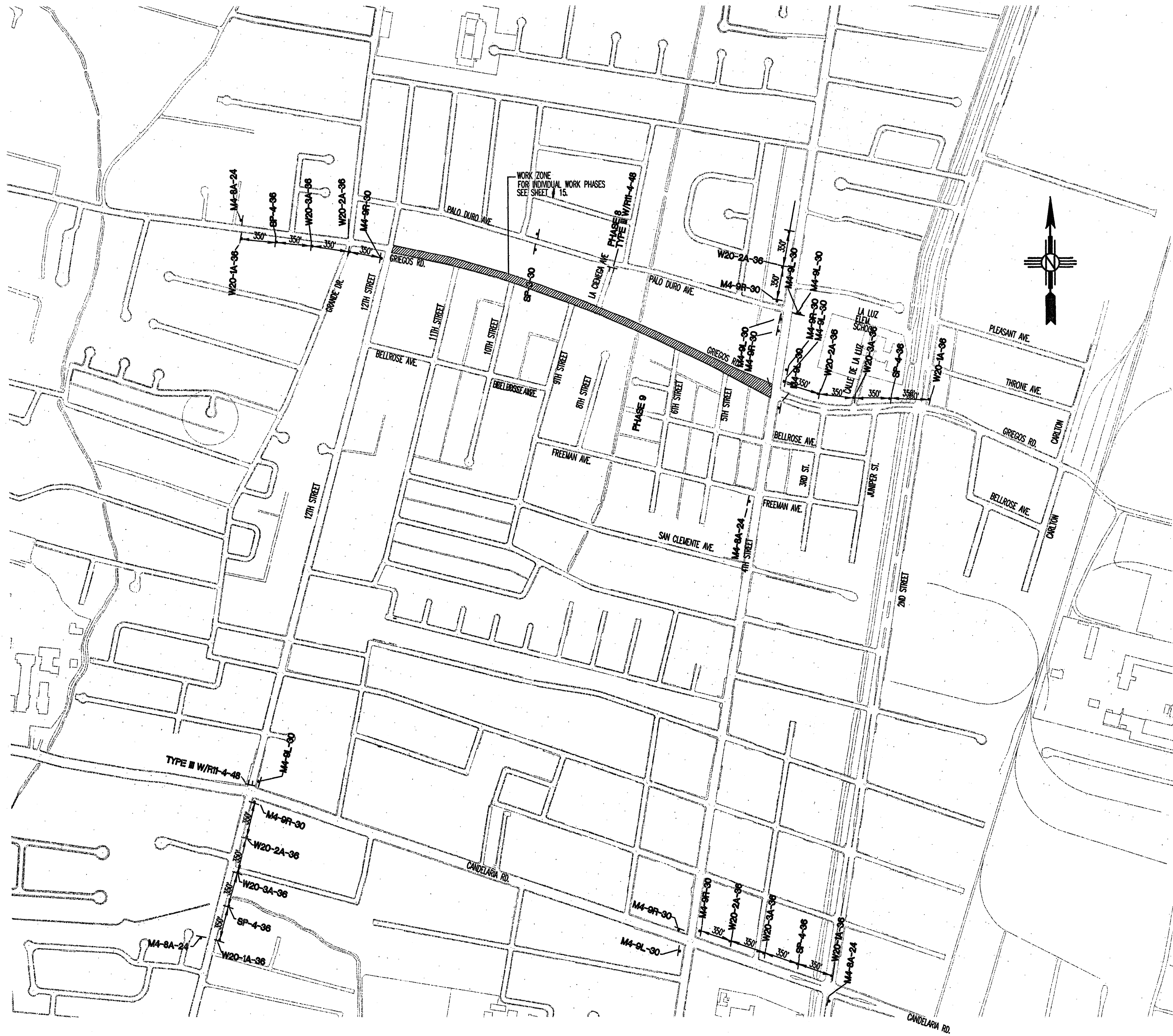
David J. Larrow
9-7-00

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: GRIEGOS ROAD SEWER DIVERSION SIGNING AND CONSTRUCTION TRAFFIC CONTROL STANDARDS			
DESIGN REVIEW COMMITTEE APPROVED NOV 17 1999	CITY ENGINEER APPROVAL APPROVED NOV 17 1999	LAST UPDATE	MO./DAY/YR.
PROJECT NO. 4778.92	MAP NO. 14, G-14, G-15	SHEET 11	OF 19

SIGN FACE DETAILS



ALL CONSTRUCTION WARNING SIGNS SHALL HAVE A BLACK LEGEND ON A ORANGE BACKGROUND.



David J. Lannan
9-7-00

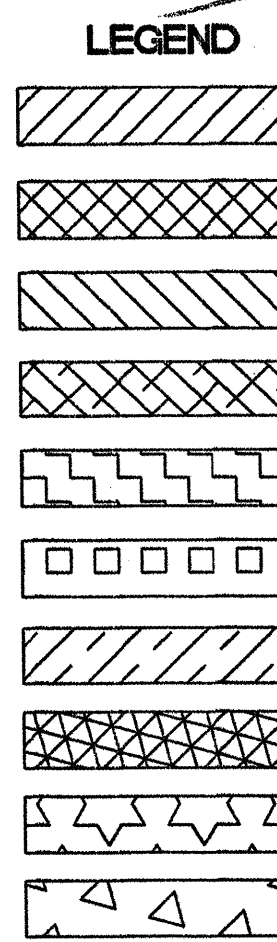
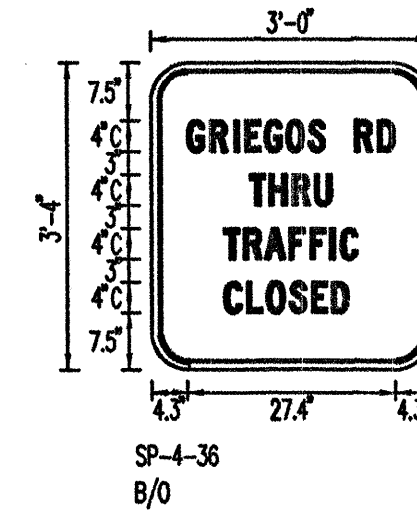
HIN
HOLMES & NARVER
URS Greiner

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DEVELOPMENT GROUP

TITLE: GRIEGOS ROAD SEWER DIVERSION
SEGMENT ONE TRAFFIC CONTROL

DESIGN REVIEW COMMITTEE		CITY ENGINEER'S APPROVAL		MO./DAY/YR.		MO./DAY/YR.	
APPROVED NOV 17 1999 DESIGN COMMITTEE		APPROVED NOV 17 1999 CITY ENGINEER		LAST DESIGN UPDATE			
CITY PROJECT NO.		4778.92		ZONE MAP NO.		SHEET	
				F-14, G-14, G-15		14 OF 19	

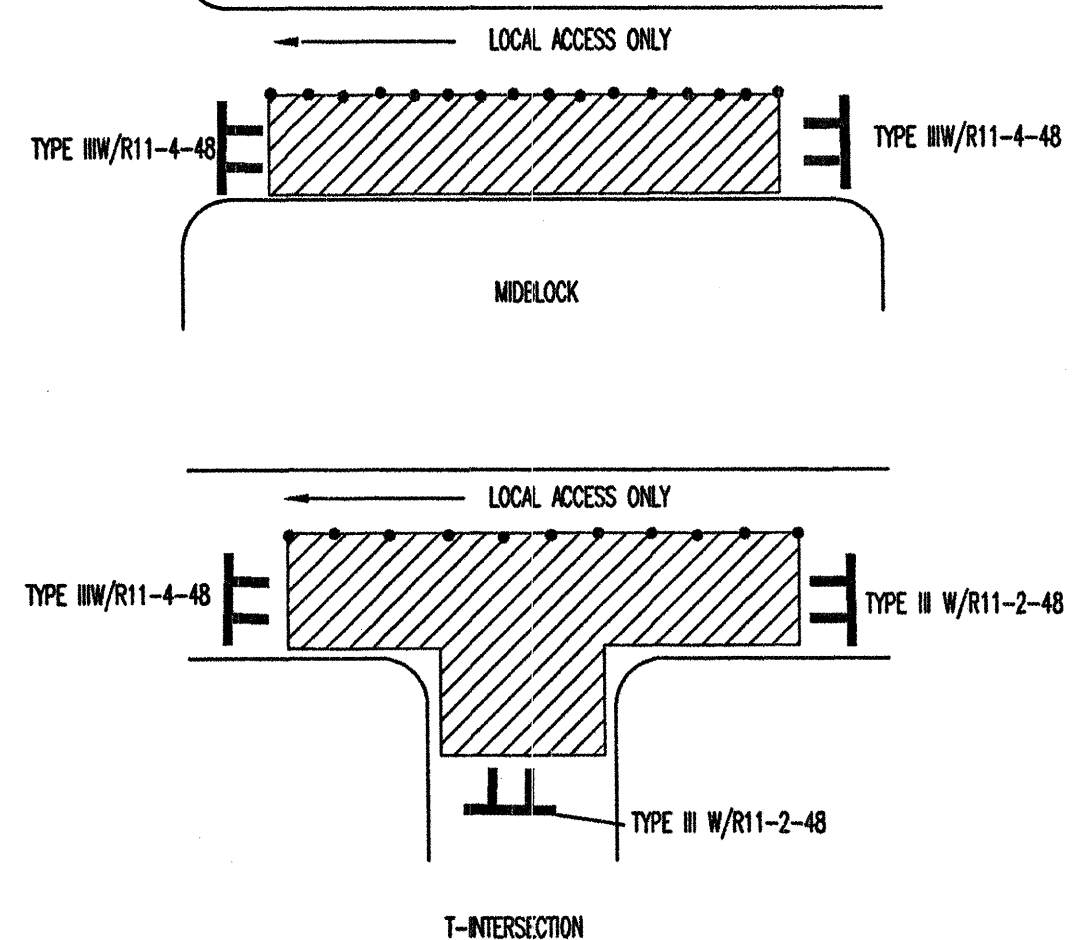
DWG: N:\CAD\294518\PLANS\SEG10-CH.DWG
TIME: 13:25 8-30-99
XREF: BASEMAP.DWG, BORDER.DWG



**SEQUENCE OF CONSTRUCTION
SEGMENT 1 (PHASES 2 THRU 12)**

- PHASE 2 - SECTION BETWEEN 12TH STREET AND 11TH STREET
CLOSE ACCESS TO THROUGH TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET # 12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 3 - 11TH STREET/GRIEGOS INTERSECTION
CLOSE ACCESS TO THROUGH TRAFFIC ON GRIEGOS ROAD AND 11TH STREET TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET #12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 4 - SECTION BETWEEN 11TH AND 10TH STREETS
CLOSE ACCESS TO THROUGH TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET # 12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 5 - 10TH STREET/GRIEGOS INTERSECTION
CLOSE ACCESS TO THROUGH TRAFFIC ON GRIEGOS ROAD AND 10TH STREET TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET #12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 6 - SECTION BETWEEN 10TH AND 9TH STREETS
CLOSE ACCESS TO THROUGH TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET #12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 7 - 9TH STREET/GRIEGOS INTERSECTION
CLOSE ACCESS TO THROUGH TRAFFIC ON GRIEGOS ROAD AND 9TH STREET TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET #12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 8 - SECTION BETWEEN 9TH AND 8TH STREETS
CLOSE ACCESS TO THROUGH TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET #12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 9 - 8TH STREET/GRIEGOS INTERSECTION
CLOSE ACCESS TO THROUGH TRAFFIC ON GRIEGOS ROAD AND 8TH STREET TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET #12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 10 - SECTION BETWEEN 8TH AND 6TH STREETS
CLOSE ACCESS TO THROUGH TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET #12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 11 - 6TH STREET/GRIEGOS INTERSECTION
CLOSE ACCESS TO THROUGH TRAFFIC ON GRIEGOS ROAD AND 6TH STREET TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET #12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES ONLY ON WESTBOUND DIRECTION
- PHASE 12 - SECTION BETWEEN 6TH STREET AND 4TH STREET
CLOSE ACCESS TO THROUGH TRAFFIC AS SHOWN ON TYPICAL DETOUR FOR STREET CLOSURE (SHEET #12, TYPICAL STREET CLOSURES, TYPICAL LANE CLOSURE AT INTERSECTION)
PROVIDE ACCESS TO RESIDENCES AND BUSINESSES ONLY ON WESTBOUND DIRECTION

TYPICAL SETUPS



SEGMENT ONE
1" = 600'
600' 0 600' 1200'
SCALE IN FEET

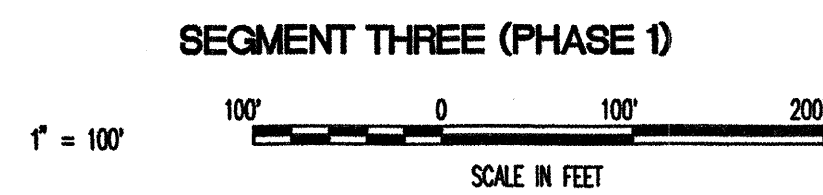
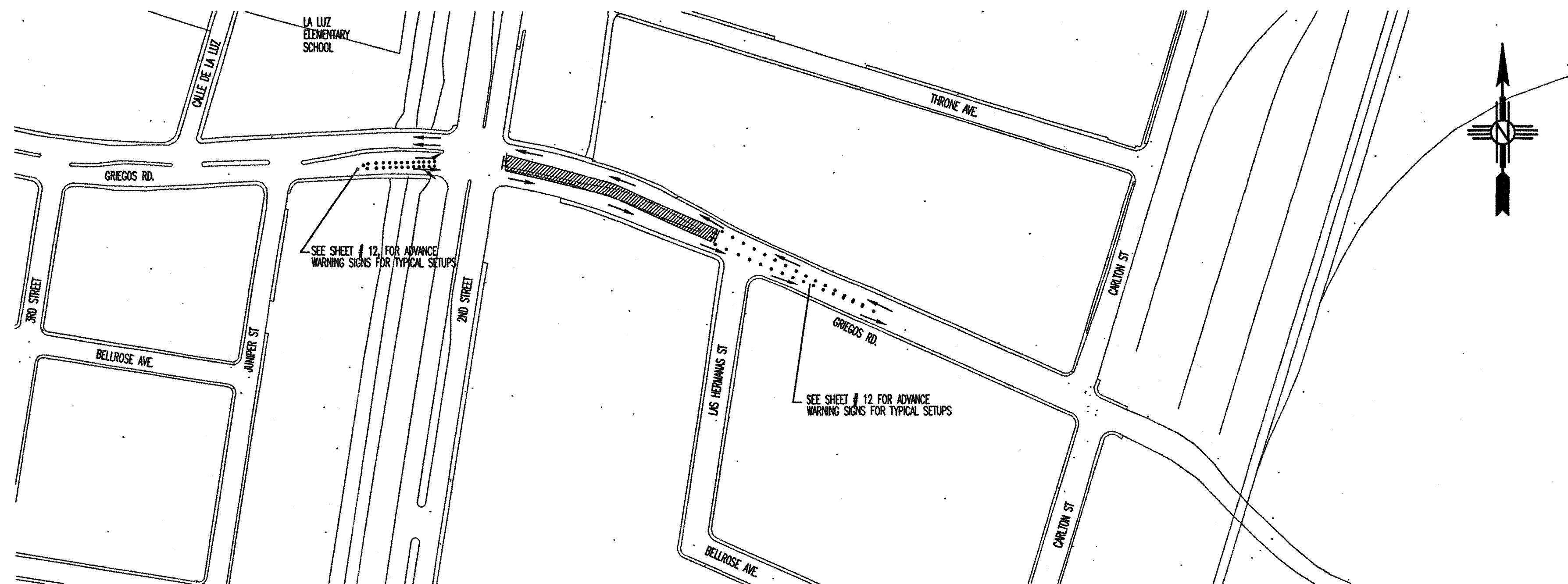
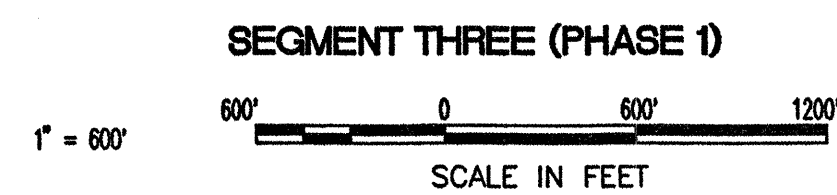
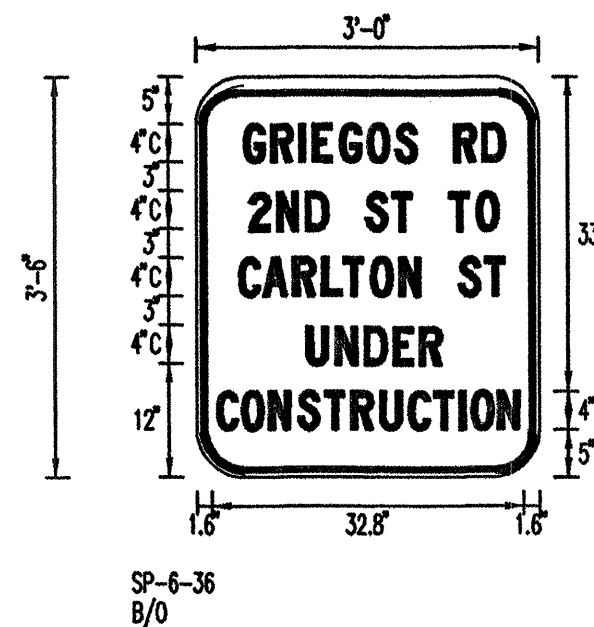
RECORD SET
David J. Lannon
9-7-00



CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP			
TITLE: GRIEGOS ROAD SEWER DIVERSION SEGMENT ONE (PHASES 2 THRU 12) TRAFFIC CONTROL			
DESIGN REVIEW COMMITTEE APPROVED NOV 17 1999	CITY ENGINEER APPROVAL APPROVED NOV 17 1999 CITY ENGINEER	MO./DAY/YR.	MO./DAY/YR.
CITY PROJECT NO. 4778.92		ZONE MAP NO. F-14, G-14, G-15	SHEET 15 OF 19

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
		FIELD NOTES					
NO.	DATE	NO.	DATE	CONTRACTOR	DATE	CONTRACTOR	DATE
				INSPECTED BY	DATE	INSPECTED BY	DATE
				FIELD	DATE	FIELD	DATE
				MODIFIED BY	DATE	MODIFIED BY	DATE
				CONTRACTED BY	DATE	CONTRACTED BY	DATE
				MICRO-FILM INFORMATION			
				RECORDED BY		NO.	
				DATE			

DWG: N:\CAD\294518\PLANS\SEG3.DWG
TIME: 14:44 10-22-99
XREF: BASEMAP.DWG, BORDER.DWG



SEQUENCE OF CONSTRUCTION
SEGMENT THREE (PHASE 1)
PHASE 1-SECTION BETWEEN 2ND STREET TO WEST OF LAS HERMANAS. INSTALL TEMPORARY TRAFFIC SIGNAL, STREET MEDIAN CLOSURE. MAINTAIN ONE LANE TRAFFIC OPEN IN THE EASTBOUND AND WESTBOUND DIRECTIONS. MODIFY ACCESS TO EASTBOUND AND WESTBOUND THROUGH TRAFFIC AS SHOWN ON TYPICAL LANE CLOSURE AT INTERSECTION AND TYPICAL LEFT LANE CLOSURE (SHEET # 12). DETOUR PLANS MUST BE IN PLACE PRIOR TO THE MORNING RUSH HOUR.

LEGEND
PHASE 1

RECORD SET
David G. Lora
9-7-00

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HOLMES & NARVER
URS Greiner

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DEVELOPMENT GROUP	
TITLE: GREGOS ROAD SEWER DIVERSION SEGMENT THREE (PHASE 1) TRAFFIC CONTROL	
DESIGN REVIEW COMMITTEE APPROVED NOV 17 1999 DESIGN REVIEW COMMITTEE	CITY ENGINEER APPROVAL APPROVED NOV 17 1999 CITY ENGINEER
MO./DAY/YR. NOV 17 1999	MO./DAY/YR. NOV 17 1999
CITY PROJECT NO. 4778.92	ZONE MAP NO. F-14, G-14, G-15
SHEET 18	OF 19

