

CONSTRUCTION PLANS
FOR
SMITH & ARNO
STORM DRAIN
PUBLIC WORKS DEPARTMENT
CITY OF ALBUQUERQUE

GENERAL NOTES

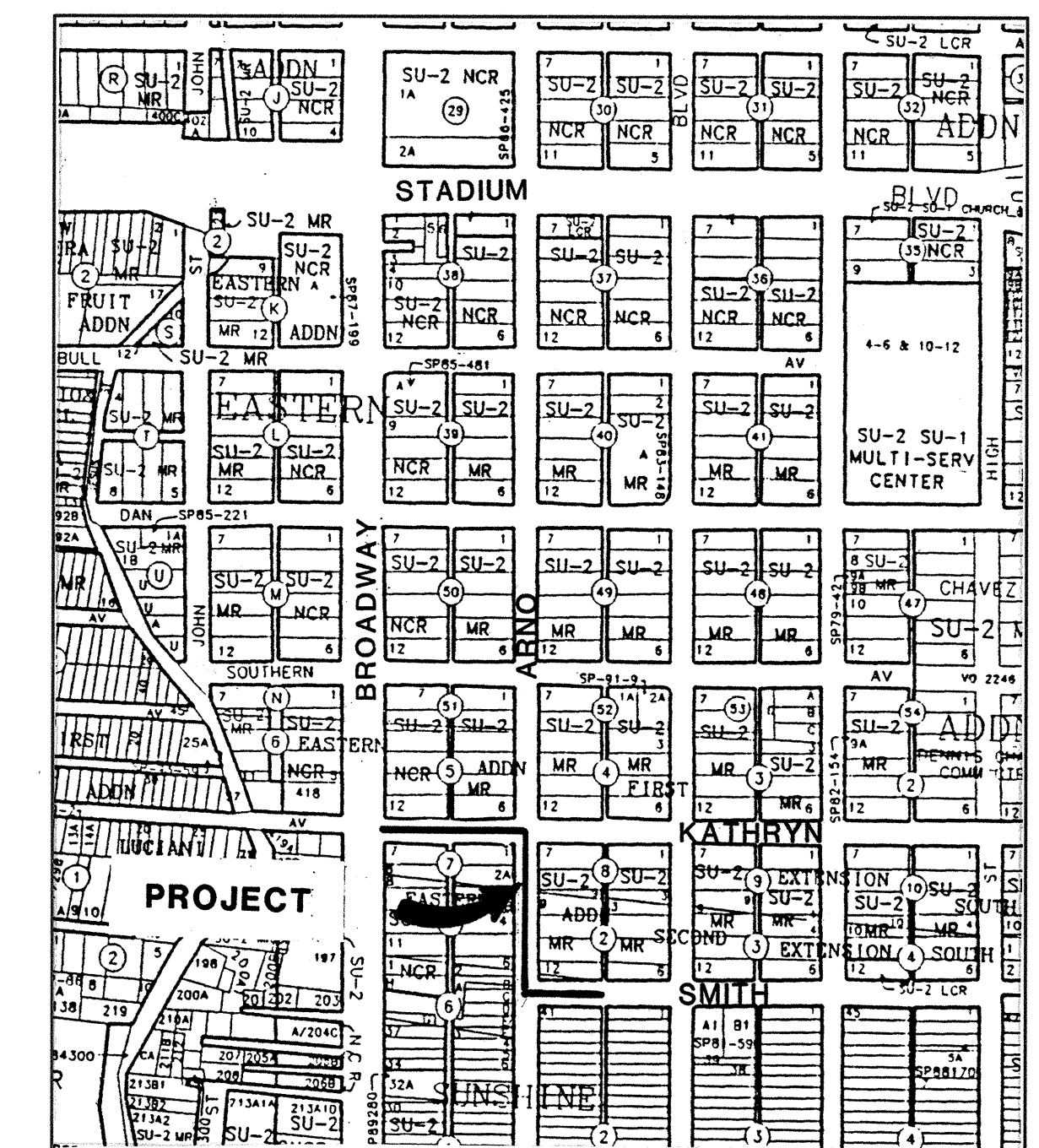
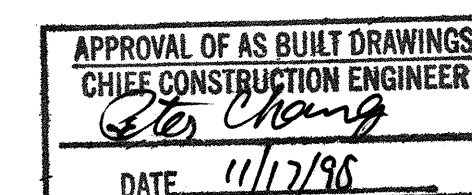
1. All work detailed on these plans to be performed under contract shall, except as otherwise stated or provided for hereon, be constructed in accordance with the City of Albuquerque Standard Specifications for Public Works Construction 1986 Edition as amended with Update No. 5.
2. Prior to construction, the Contractor shall excavate & verify the horizontal and vertical locations of all obstructions. Should a conflict exist, the Contractor shall notify the Engineer so that the conflict can be resolved with minimum delay.
3. Two (2) working days prior to any excavation, Contractor must contact Line Locating Service @ 260-1990 for location of existing utilities.
4. Contractor shall support all existing, underground utility lines which become exposed during construction. Payment for supporting work shall be incidental to storm drain line pay item costs.
5. All street centerlines shown on the plans are the centerlines of existing streets as determined by splitting the distance between existing curbs. Station 1+00 for Arno and Smith is determined in the field by intersecting the street centerline at the street intersection located at the beginning of the street segment under construction. Station 1+00 on Kathryn is opposite the storm drain manhole at the beginning of the project.
6. Contractor shall conduct his operations in a manner which will minimize interference with local traffic. Contractor shall comply with all applicable laws, ordinances, rules, regulations, and orders of any public body having jurisdiction for the safety of persons or property, and to protect them from damage, injury, or loss. Contractor shall erect and maintain, as required by the conditions and progress of the work, all necessary safeguards for safety continuously and not limited to normal working hours, throughout the duration of the project. Contractor shall adhere to Section 19 of the General Conditions of the City of Albuquerque Standard Specifications for Public Works Construction, 1986, as amended with Update No. 5.
7. The Contractor agrees that he shall assume the sole and complete responsibility for the job site conditions during the course of construction of this project, including safety of all persons and property; that this requirement shall apply continuously and not be limited to normal working hours; and that the Contractor shall defend, indemnify, and hold harmless the Owner & Engineer from any and all liability real or alleged, in connection with the performance of work on this project, excepting liability arising from the sole negligence of the Owner or Engineer.
8. **TRAFFIC CONTROL:** Three (3) working days prior to beginning construction the Contractor shall submit to the Construction Coordination Division a detailed construction schedule. Two (2) working days prior to construction, the Contractor shall obtain a barricading permit from the Construction Coordination Division. Contractor shall notify Barricade Engineer (768-2551) prior to occupying an intersection. See section 19 of the specifications. All street striping altered or destroyed shall be replaced by Contractor to location and in kind as existing and as an incidental cost of street paving.
9. The Contractor shall promptly clean up any material excavated within the public right-of-way so that the excavated material is not susceptible to being washed down the street or into any public drainage facility.
10. Contractor shall assist the Engineer/Inspector in the recording of data on all utility lines and accessories as required by the City of Albuquerque for the preparation of record drawings. Contractor shall not cover utility lines and accessories until all data has been recorded.
11. Existing curb and gutter, sidewalks and driveways not to be removed under the contract which are damaged or displaced by the Contractor, shall be removed and replaced by the Contractor at his expense.
12. All work on this project shall be performed in accordance with applicable federal, state, and local laws, rules, and regulations concerning construction safety and health.
13. All fittings on waterlines shall have restrained joints.
14. The Contractor is responsible for protecting and maintaining all existing monumentation controls. In the event of inadvertent destruction or alteration, the Contractor must immediately notify the City Chief Surveyor.
15. PNM will provide at no cost to the City or the Contractor the required personnel for inspection or observation deemed necessary by PNM while the Contractor is exposing PNM's cables. However, the Contractor shall be charged the total cost associated with repairs to any damaged cables or for any cost associated with supporting or relocating the poles and cables during construction.
16. **WARNING--EXISTING UTILITY LINE LOCATIONS** are shown in an approximate manner only, and such lines may exist where none are shown. The location of any such existing lines is based upon information provided by the utility company, the Owner, or by others, and the information may be incomplete or may be obsolete by the time construction commences.

The Engineer has undertaken no field verification of the location, depth, size, or type of existing underground utility lines, makes no representation pertaining thereto, and assumes no responsibility or liability therefor. The Contractor shall inform itself of the location of any utility line in or near the area of the work in advance of and during excavation work. The Contractor is fully responsible for any and all damage caused by its failure to locate, identify, and preserve any and all existing utilities. The Contractor shall comply with State statutes, municipal and local ordinances, rules and regulations pertaining to the location of these lines and facilities, in planning and conducting excavation, whether by calling or notifying the utilities, complying with "Blue Stakes" procedures, or otherwise.
17. All street striping altered or destroyed shall be replaced by the Contractor to existing patterns. Any such striping shall be considered incidental to pavement construction and no separate payment shall be made therefor.
18. Graded access for residents across the construction zone shall be maintained during construction. On residential streets, one lane of traffic must be maintained at all times.

INDEX TO DRAWINGS

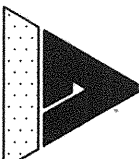
SHEET	TITLE
1	VICINITY MAP & GENERAL NOTES
2	KATHRYN AVENUE
3	ARNO STREET
4	SMITH AVENUE
5	DETAILS
6 & 7	TRAFFIC CONTROL PLANS

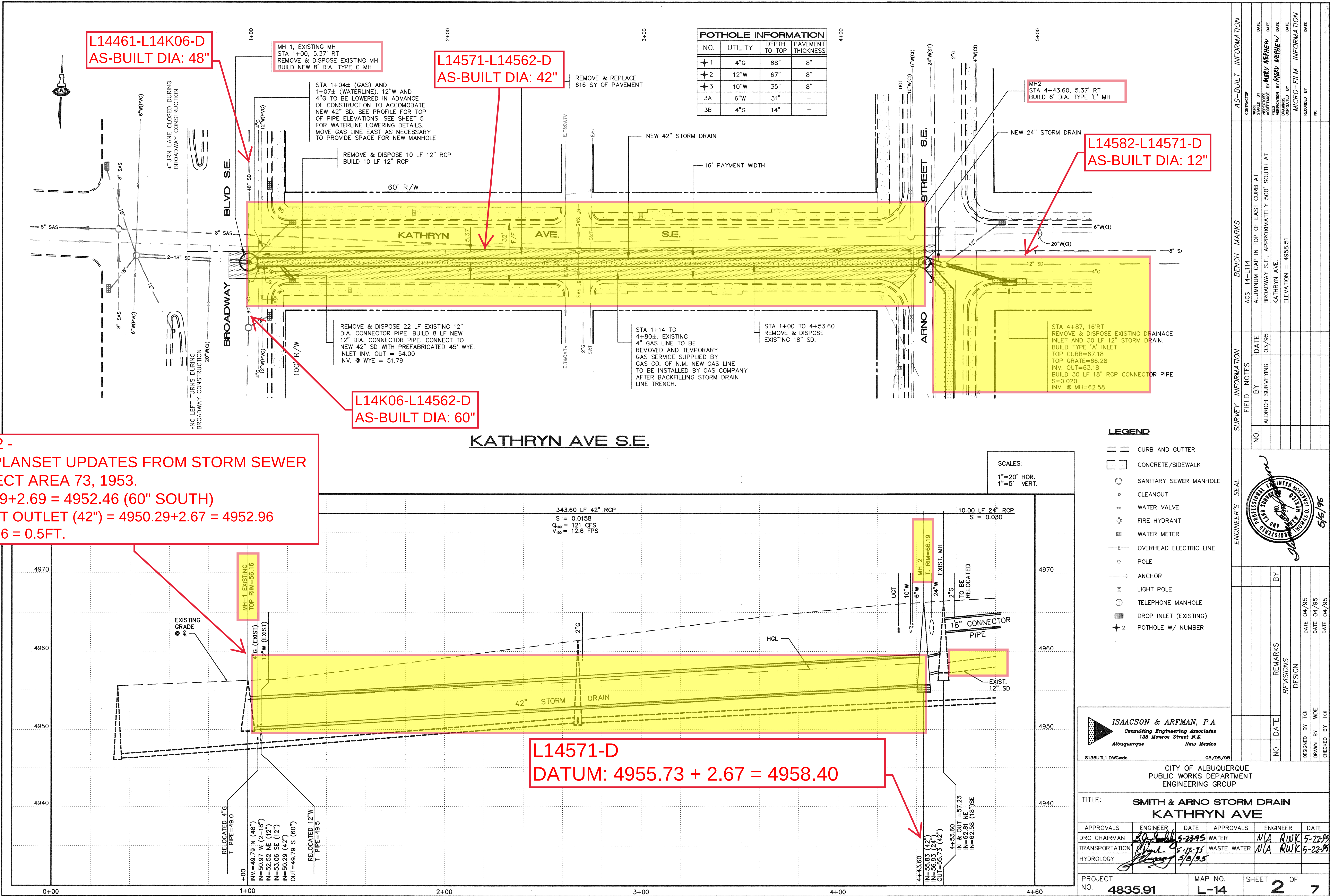
19. The Contractor shall be responsible for notifying utilities for any adjustment or relocation of existing utilities required by construction. The Contractor may be required to reschedule his activities to allow utility crews to perform their work. No additional costs will be allowed for delays or inconvenience caused by utility company crews.
20. Removal of existing gas lines and installation of temporary gas service on Kathryn and Arno is required in advance of construction. The Contractor shall remove all pavement necessary for removal of existing gas lines. Contractor shall also schedule his work to allow the Gas Company to reinstall permanent gas lines and services after completion of storm drain construction but prior to repaving.
21. The Contractor shall confine his work within the street right-of-way. Overnight parking of the Contractor's equipment shall not obstruct access roads or traffic lanes.
22. The removal and replacement of all signs, posts, fences, mail boxes and road markings shall be considered incidental to storm drain line construction.
23. All pipe bedding shall conform to Class C bedding as defined in Section 701 of the specifications.
24. There shall be a minimum clearance between utility lines of 0.5 feet. Where this is not possible, two layers of 1/2" expansion joint material shall be placed between utility lines. The cost of providing and placing expansion joint material shall be considered incidental to storm drain line construction and no separate payment shall be made therefor.
25. All storm drain line pipe shall be reinforced concrete pipe, Class III.
26. All work on Broadway Boulevard shall be completed within 10 working days of 12 hours each Monday through Saturday (7:00 am to 7:00 pm).
27. Existing pavement scheduled for removal varies between 8 and 10-inches. Pavement thicknesses measured at potholes are given in the Pothole Information tables shown on the plan and profile sheets.
28. Curb returns removed shall be replaced with curb returns with Handicap Ramps.
29. Full street closure on Kathryn, Arno and Smith shall be limited to a maximum of 150 LF at a time.


$$1'' = 750' \pm$$

VICINITY MAP

L-14

REV.	SHEETS	CITY	ENGINEER	DATE	USER	DEPARTMENT	DATE	USER	DEPARTMENT	DATE
						 ISAACSON & ARFMAN, P.A. Consulting Engineering Associates 128 Monroe Street N.E. Albuquerque New Mexico				
						APPROVED FOR CONSTRUCTION <i>Rican [Signature] Rgk / 3/25/95</i>				
5/5/95						PROJECT NO. 4835.91				
						SHEET OF 1 7				



POT HOLE INFORMATION			
NO.	UTILITY	DEPTH TO TOP	PAVEMENT THICKNESS
+1	4"G	68"	8"
+2	12"W	67"	8"
+3	10"W	35"	8"
3A	6"W	31"	-
3B	4"G	14"	-

L14582-L14571-D
AS-BUILT DIA: 12"

L14571-L14562-D
AS-BUILT DIA: 42"

L14K06-L14562-D
AS-BUILT DIA: 60"

L14461-L14K06-D
AS-BUILT DIA: 48"

L14562 -
THIS PLANSET UPDATES FROM STORM SEWER
PROJECT AREA 73, 1953.
4949.79+2.69 = 4952.46 (60" SOUTH)
OFFSET OUTLET (42") = 4950.29+2.67 = 4952.96
-4952.46 = 0.5FT.

L14571-D
DATUM: 4955.73 + 2.67 = 4958.40

- LEGEND**
- CURB AND GUTTER
 - CONCRETE/SIDEWALK
 - SANITARY SEWER MANHOLE
 - CLEANOUT
 - WATER VALVE
 - FIRE HYDRANT
 - WATER METER
 - OVERHEAD ELECTRIC LINE
 - POLE
 - ANCHOR
 - LIGHT POLE
 - TELEPHONE MANHOLE
 - DROP INLET (EXISTING)
 - POT HOLE W/ NUMBER

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque, New Mexico

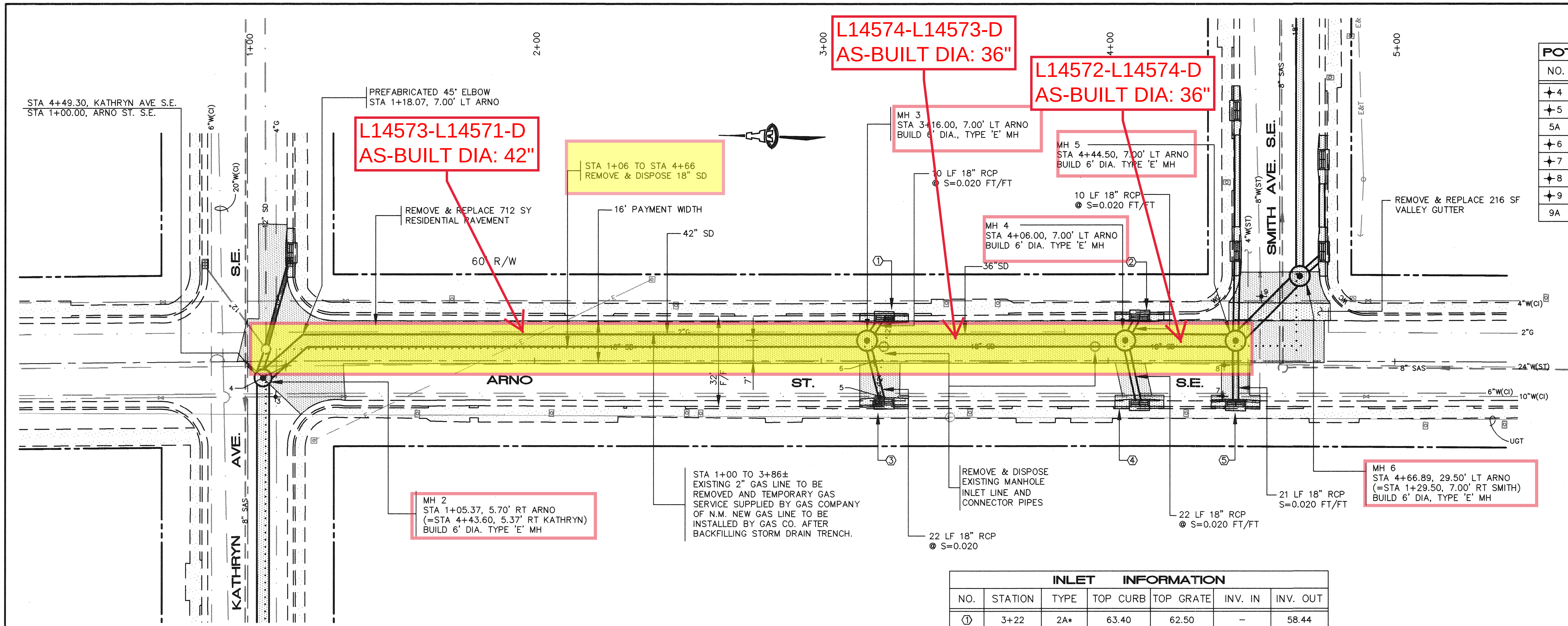
8135UTL1.DWG 05/05/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SMITH & ARNO STORM DRAIN
KATHRYN AVE**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	5-23-95	WATER	N/A	RWK 5-22-95
TRANSPORTATION	<i>[Signature]</i>	5-10-95	WASTE WATER	N/A	RWK 5-22-95
HYDROLOGY	<i>[Signature]</i>	5/5/95			

PROJECT NO. **4835.91** MAP NO. **L-14** SHEET **2** OF **7**



POTHOLE INFORMATION			
NO.	UTILITY	DEPTH TO TOP	PAVEMENT THICKNESS
4	24"W	27"	8"
5	10"W	40"	10"
5A	6"W	42"	-
6	24"W	52"	10"
7	10"W	44"	10"
8	24"W	44"	10"
9	8"W	38"	10"
9A	4"W	21"	-

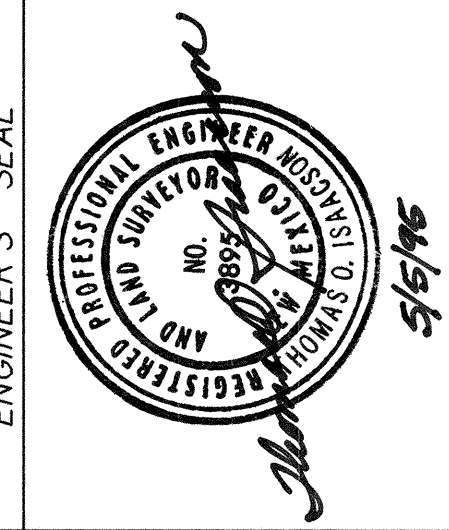
INLET INFORMATION						
NO.	STATION	TYPE	TOP CURB	TOP GRATE	INV. IN	INV. OUT
1	3+22	2A*	63.40	62.50	-	58.44
2	4+11	1A	63.68	62.78	-	59.68
3	3+22	2A*	62.94	62.04	-	59.84
4	4+11	1A	63.40	62.50	-	60.40
5	4+44.5	1A	63.70	62.80	-	60.70

* MODIFIED TYPE 'A' INLET WITH TWO ENTRANCE THROATS

SCALES:
1"=20' HOR.
1"=5' VERT.

LEGEND

- CURB AND GUTTER
- CONCRETE/SIDEWALK
- SANITARY SEWER MANHOLE
- CLEANOUT
- WATER VALVE
- FIRE HYDRANT
- WATER METER
- OVERHEAD ELECTRIC LINE
- POLE
- ANCHOR
- LIGHT POLE
- TELEPHONE MANHOLE
- DROP INLET (EXISTING)
- WC WHEELCHAIR RAMP
- 5 POTHOLE W/ NUMBER



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Albuquerque New Mexico

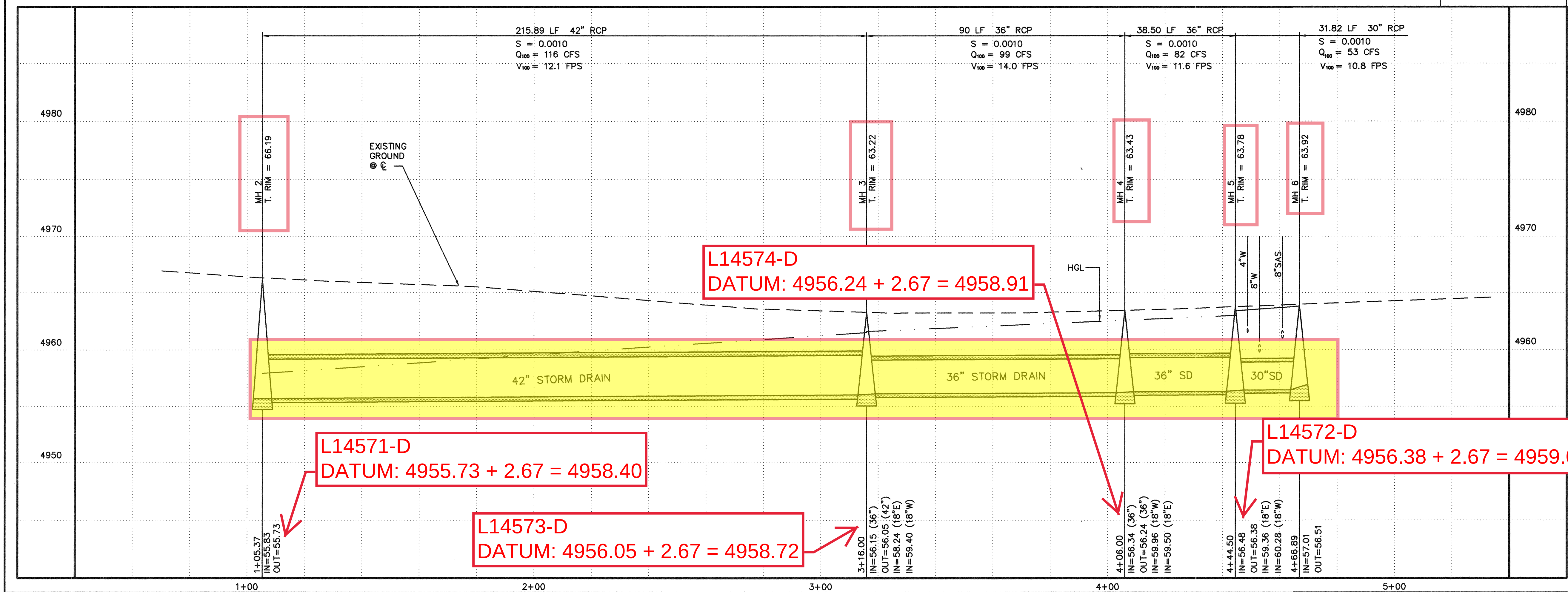
8135UTL2.DWGwds 05/05/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

SMITH & ARNO STORM DRAIN
ARNO STREET

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	5-23-95	WATER	N/A RWE	5-22-95
TRANSPORTATION	<i>[Signature]</i>	5-17-95	WASTE WATER	N/A RWE	5-22-95
HYDROLOGY	<i>[Signature]</i>	5-19-95			

PROJECT NO.	4835.91	MAP NO.	L-14	SHEET	3	OF	7
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L14575-L14572-D
AS-BUILT DIA: 24"

L14572-D DATUM: 4956.38 + 2.67 = 4959.05

L14575-D
DATUM: 4958.61 + 2.67 = 4961.28

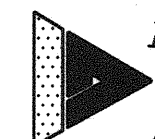
POTHOLE INFORMATION			
NO.	UTILITY	DEPTH TO TOP	PAVEMENT THICKNESS
10	6"W	35"	10"

INLET INFORMATION						
NO.	STATION	TYPE	TOP CURB	TOP GRATE	INV. IN	INV. OUT
6	1+38	1A	64.21	63.31	60.10	59.90
7	1+86.4	1A	64.83	63.93	-	60.93
8	2+46	1A	65.74	64.84	-	59.50
9	1+38	1A	64.68	63.78	60.45	60.25
10	1+70.4	1A	64.97	64.07	-	60.97
11	2+37	1A	65.82	64.92	-	61.82

SCALES:
1"=20' HOR.
1"=5' VERT.

LEGEND

- CURB AND GUTTER
- CONCRETE/SIDEWALK
- SANITARY SEWER MANHOLE
- CLEANOUT
- WATER VALVE
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- POLE
- ANCHOR
- UT POLE
- TELEPHONE MANHOLE
- PO INLET
- POTHOLE W/ NUMBER



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Albuquerque New Mexico

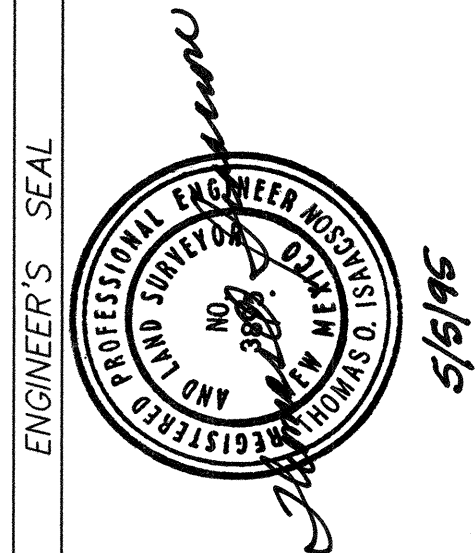
8135UTL3.DWGwde 05/05/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: SMITH & ARNO STORM DRAIN
SMITH AVENUE

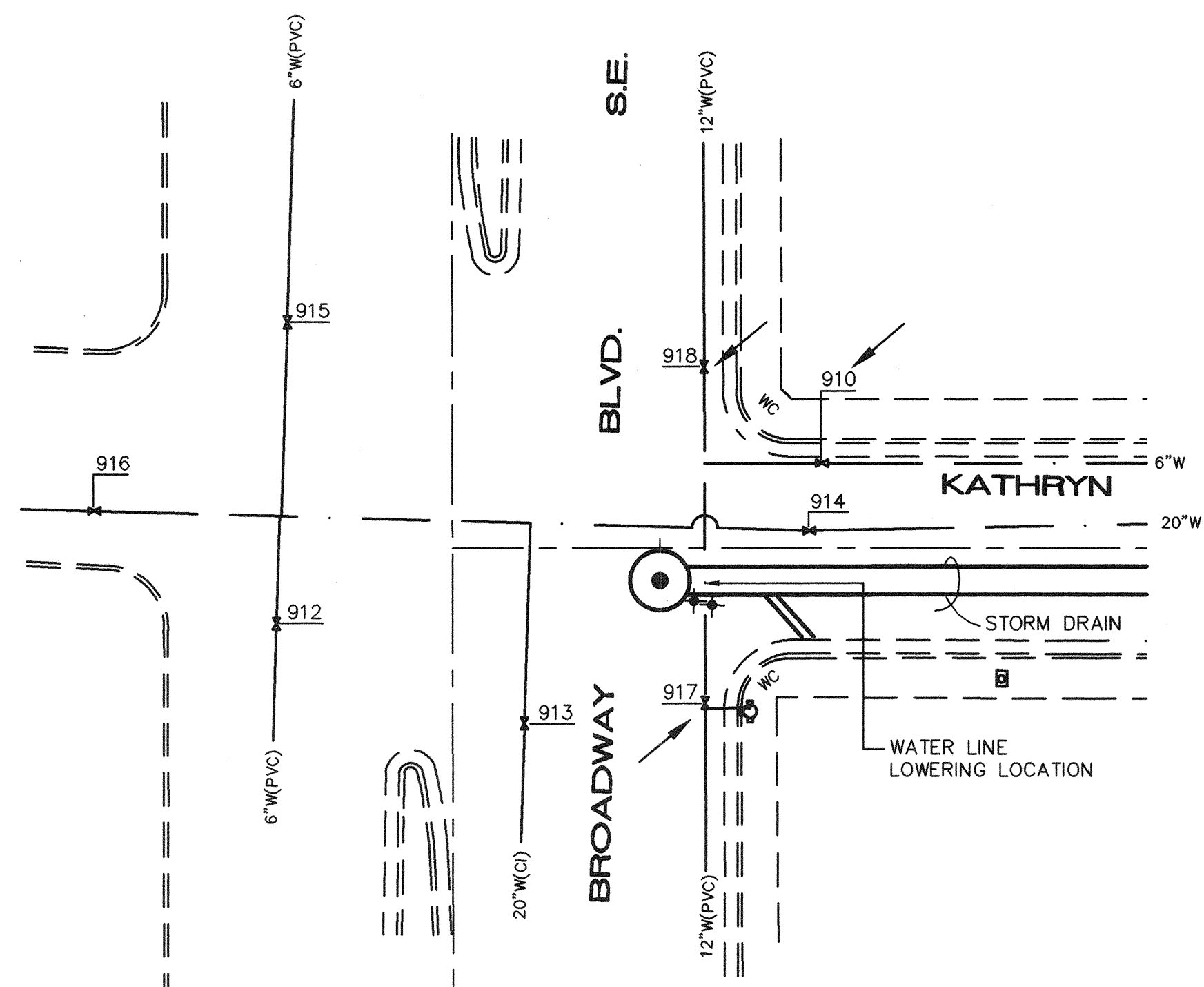
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRG CHAIRMAN	<i>[Signature]</i>	5-23-95	WATER	N/A RWK	5-22-95
TRANSPORTATION	<i>[Signature]</i>	5-13-95	WASTE WATER	N/A RWK	5-22-95
HYDROLOGY	<i>[Signature]</i>	5-13-95			

PROJECT NO. 4835.91 MAP NO. L-14 SHEET 4 OF 7



NO.	DATE	REMARKS	BY
		DESIGN	
		WDE	
		TOI	
		DATE 04/95	
		DATE 04/95	
		DATE 04/95	

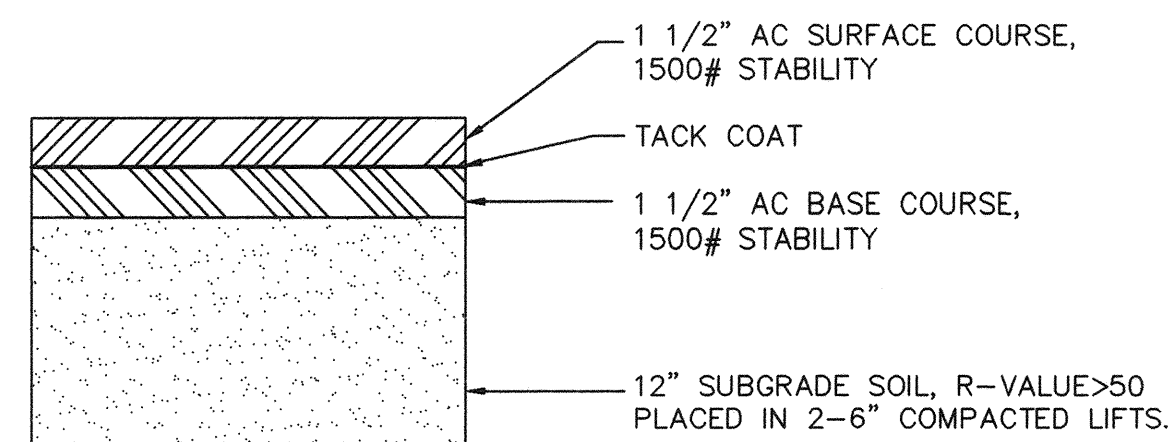
AS-BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		FIELD NOTES	
CONTRACTOR	WKS. BY	ACS 14-L114	ALUMINUM CAP IN TOP OF EAST CURB AT	NO.	BY	DATE	
INSPECTOR'S ACCEPTANCE BY	DATE	BROADWAY S.E., APPROXIMATELY 500' SOUTH AT			ALDRICH SURVEYING	03/95	
VERIFICATION BY	DATE	KATHRYN AVE.					
COMPALED BY	DATE	ELEVATION = 4958.51					
MICRO-FILM INFORMATION							
RECORDED BY	DATE						
NO.							



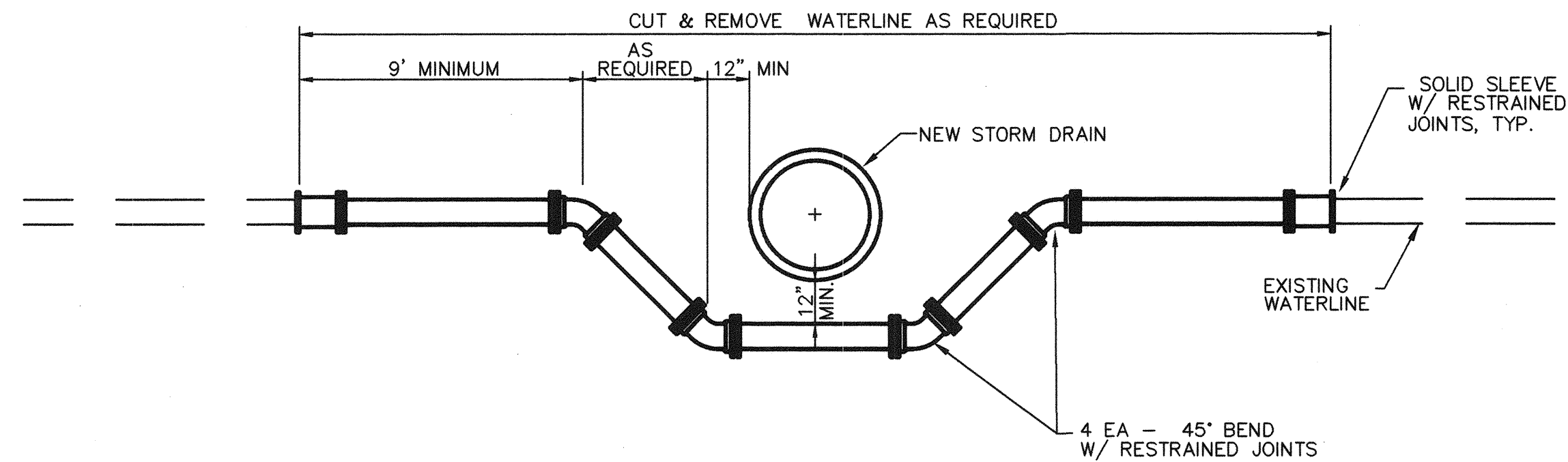
WATER SHUT-OFF PLAN
SCALE: 1"=20'

WATER SHUT-OFF NOTES:

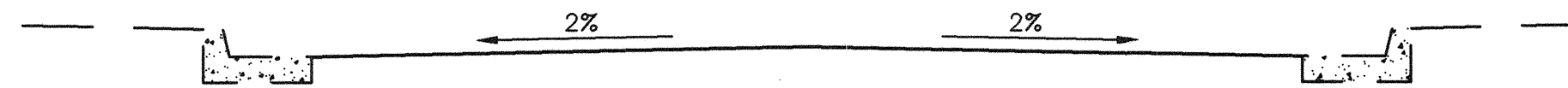
- CONTRACTOR SHALL BE RESPONSIBLE FOR TIMING AND COORDINATION OF THE WATER SHUT-OFF REQUIREMENTS IN CONJUNCTION WITH COMPLETION OF THIS PROJECT.
- AT LEAST FIVE (5) WORKING DAYS PRIOR TO CONSTRUCTION, CONTRACTOR SHALL CONTACT PWD/WATER SYSTEMS DIVISION (857-8200) TO INITIATE IMPLEMENTATION OF THIS WATER SHUT-OFF PLAN.
- TO COMPLETE THE NON-PRESSURE CONNECTION SHOWN, THE EXISTING VALVES LISTED ABOVE AND MARKED WITH AN ARROW (→) ON THE MAP MUST BE CLOSED BY PWD/ WATER SYSTEMS PERSONNEL.



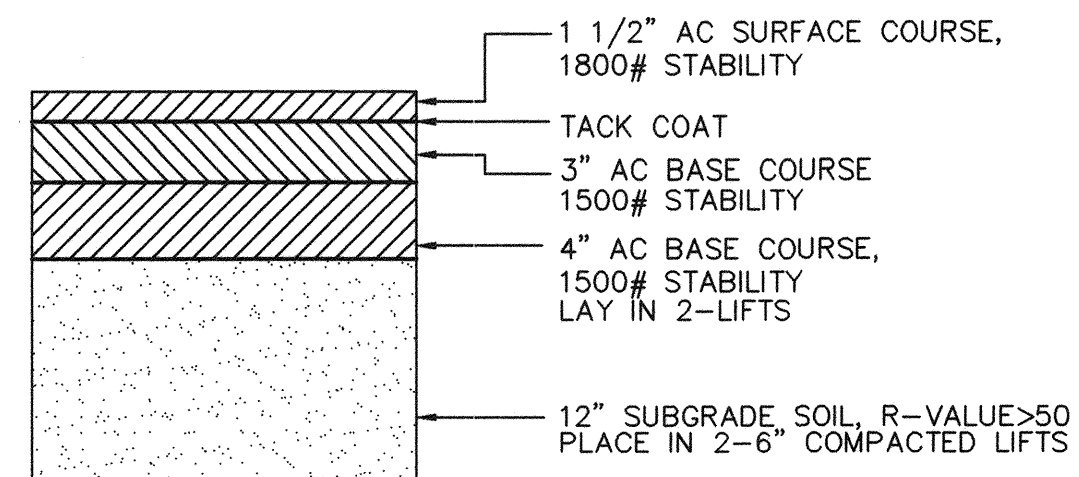
RESIDENTIAL STREET SECTION
NO SCALE



TYPICAL WATERLINE LOWERING
NO SCALE



REQUIRED CROWN FOR PAVEMENT REPLACEMENT
NO SCALE



ARTERIAL STREET SECTION
NO SCALE

ISAACSON & ARFMAN, P.A.
Consulting Engineering Associates
128 Monroe Street N.E.
Albuquerque New Mexico

81350TLDWGwde 05/05/95

CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING GROUP

TITLE: **SMITH & ARNO STORM DRAIN DETAILS**

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
DRC CHAIRMAN	<i>[Signature]</i>	5-22-95	WATER	N/A	RWK 5-22-95
TRANSPORTATION	<i>[Signature]</i>	5-22-95	WASTE WATER	N/A	RWK 5-22-95
HYDROLOGY	<i>[Signature]</i>	5-22-95			

PROJECT NO. **4835.91** MAP NO. **L-14** SHEET **5** OF **7**

SURVEY INFORMATION		BENCH MARKS		AS-BUILT INFORMATION	
NO.	FIELD NOTES	ACS	14-L114	CONTRACTOR	DATE
	BY ALDRICH SURVEYING	ALUMINUM CAP IN TOP OF EAST CURB AT BROADWAY S.E., APPROXIMATELY 500' SOUTH AT KATHRYN AVE.		INSPECTED BY	DATE
				FIELD VERIFICATION BY	DATE
				RECORDED BY	DATE
				MICRO-FILM INFORMATION	DATE
				RECORDED BY	DATE
				NO.	

