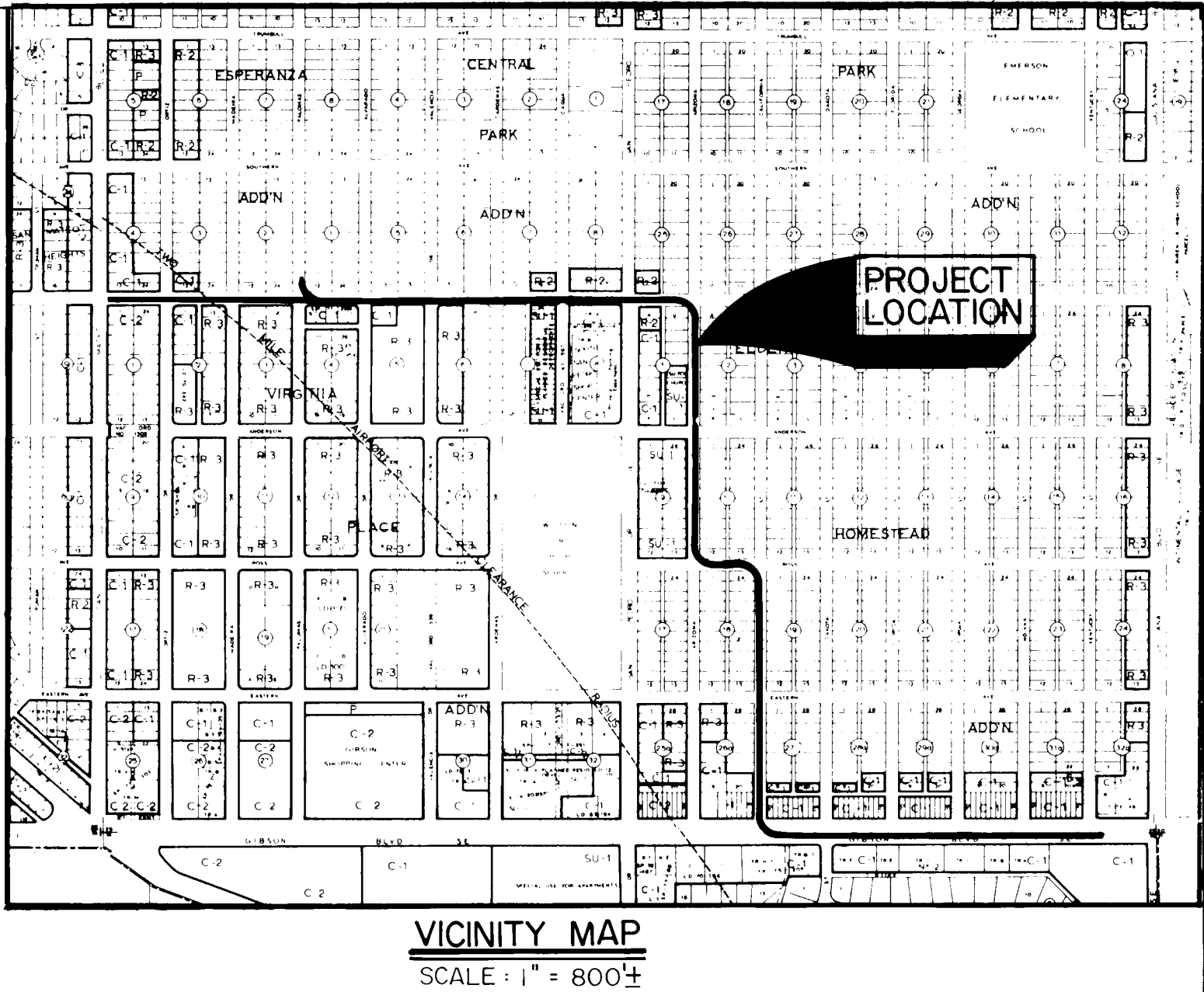


SOUTH SAN MATEO STORM DRAIN EXTENSION PHASE III



INDEX OF DRAWINGS	
SHEET NO.	DESCRIPTION
1 OF 27	COVER SHEET, VICINITY MAP, AND INDEX OF DRAWINGS
2 OF 27	LEGEND AND GENERAL NOTES
3 OF 27	SHEET INDEX MAP
STORM DRAIN PLAN AND PROFILE	
4 OF 27	STA. 15+48.30 TO STA. 18+00 (PALOMAS DR. S.E. AND KATHRYN AVE. S.E.)
5 OF 27	STA. 18+00 TO STA. 22+80 (KATHRYN AVE. S.E.)
6 OF 27	STA. 22+80 TO STA. 27+60 (KATHRYN AVE. S.E.)
7 OF 27	STA. 27+60 TO STA. 32+61 (KATHRYN AVE. S.E.)
8 OF 27	STA. 32+61 TO STA. 37+00 (KATHRYN AVE. S.E. AND ARIZONA ST. S.E.)
9 OF 27	STA. 37+00 TO STA. 41+40 (ARIZONA ST. S.E.)
10 OF 27	STA. 41+40 TO STA. 46+20 (ARIZONA ST. S.E.)
11 OF 27	STA. 46+20 TO STA. 50+60 (ARIZONA ST. S.E. AND ROSS AVE. S.E.)
12 OF 27	STA. 50+60 TO STA. 55+40 (ROSS AVE. S.E. AND CALIFORNIA ST. S.E.)
13 OF 27	STA. 55+40 TO STA. 60+20 (CALIFORNIA ST. S.E.)
14 OF 27	STA. 60+20 TO STA. 64+81.23 (CALIFORNIA ST. S.E.)
15 OF 27	STA. 64+81.23 TO STA. 69+60 (GIBSON BLVD. S.E.)
16 OF 27	STA. 69+60 TO STA. 74+00 (GIBSON BLVD. S.E.)
17 OF 27	STA. 74+00 TO STA. 78+80 (GIBSON BLVD. S.E.)
18 OF 27	STA. 78+80 TO STA. 81+84.30 (GIBSON BLVD. S.E.)
TRICKLE LINE PLAN AND PROFILE	
19 OF 27	STA. 0+00 TO STA. 3+40 (KATHRYN AVE. S.E.)
20 OF 27	STA. 3+40 TO STA. 6+80 (KATHRYN AVE. S.E.)
21 OF 27	STA. 6+80 TO STA. 9+92.46 (KATHRYN AVE. S.E.)
22 OF 27	PAVING PLAN (KATHRYN AVE. S.E. AND SAN PEDRO BLVD. S.E.)
23 OF 27	WATER VALVE SHUTOFF PLAN
24 OF 27	TRAFFIC CONTROL PLAN
25 OF 27	TRAFFIC CONTROL PLAN
26 OF 27	TRAFFIC CONTROL PLAN
27 OF 27	TRAFFIC CONTROL PLAN

"NOT AS-BUILT"

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REV	SHEETS	CITY ENGINEER	DATE	USER DEPT	LATE	USER DEPT	DATE
APPROVAL OF REVISIONS							
		 LEEDSHILL-HERKENHOFF, INC. Copper Square, 500 Copper Ave. N.W. P.O. Box 1217 Albuquerque, New Mexico 87103 (505) 247-0294				APPROVED FOR CONSTRUCTION 	
PROJECT NO.		MDD 2285				SHEET OF 1 27	

LEGEND

PROPOSED	EXISTING	DESCRIPTION
●	○	SANITARY SEWER MANHOLE
⊙	⊙	STORM DRAIN MANHOLE
NA	TELE MH	TELEPHONE MANHOLE
SAS 6" CP	SAS 6" CP	SANITARY SEWER LINE W/SIZE & TYPE
SD 48" RCP	SD 48" RCP	STORM DRAIN LINE W/SIZE & TYPE
W 6" CI	W 6" CI	WATER LINE W/SIZE & TYPE
NA	E	OVERHEAD ELECTRICAL LINES
UE	UE	UNDERGROUND ELECTRICAL / TRAFFIC CONTROL
NA	UT	UNDERGROUND TELEPHONE
NA	G 2" H.P.	GAS LINES W/SIZE & TYPE
NA	CT	CABLE TELEVISION LINES
		ENCASEMENT
		STORM DRAIN INLETS (GRATE ELEVATION GIVEN IN PLANS IS EXTENDED FLOW LINE)
		GATE VALVE
		BUTTERFLY VALVE
		FIRE HYDRANTS
		REDUCERS
		SAS SERVICE CONNECTION
		WATER SERVICE CONNECTION
		TEES
		CROSSES
		BENDS
		CAPS & PLUGS
NA	WM	WATER METER
VB	VB	VALVE BOX
NA	PP	POWER POLE
NA	LP	LIGHT POLE
TL	TL	TRAFFIC LIGHT
TC	TC	TRAFFIC CONTROL BOX
PB	PB	PULL BOX
NA	TB	TELEPHONE BOOTH
		CURB & GUTTER
4 S.W.	4 S.W.	SIDEWALK
		BLOCK WALL
		CHAIN LINK FENCE
XX XX XX XX	XX XX XX XX	FIELD FENCE
00.88	NA	SPOT ELEVATIONS
NA		PROJECT / PHASE BOUNDARY
NA		RIGHT OF WAY LINES
NA		PROPERTY LINES (SIDE)
NA		PUBLIC EASEMENTS
	NA	CONSTRUCTION THIS PROJECT SPECIFIED ON DIFFERENT SHEET
LB	NA	LIGHT POLE BASE

WATERLINE REPLACEMENT NOTES

- ALL 6" REPLACEMENT WATER LINES SHALL BE BURIED WITH A MINIMUM OF 3' OF COVER.
- ALL SERVICE LINES ARE TO BE EXTENDED OR REPLACED WITH NEW LINES OF THE SAME SIZE AS THE METER.
- TEMPORARY WATER SERVICE IS TO BE PROVIDED FOR ANY RESIDENCE OR BUSINESS WHICH WILL BE OUT OF SERVICE MORE THAN FOUR HOURS.
- THE CONTRACTOR SHALL COORDINATE SHUT DOWN OF WATER SYSTEM ELEMENT WITH WATER UTILITIES DEPT. IN ACCORDANCE WITH THE SPECIFICATIONS.
- CONTRACTOR SHALL FIELD VERIFY ALL WATERLINE CONNECTIONS TO EXISTING FACILITIES SUFFICIENTLY IN ADVANCE OF CONSTRUCTION TO ALLOW OBTAINING CORRECT ADAPTERS AND OTHER FITTINGS.

PROPOSED	EXISTING	DESCRIPTION
	EXISTING	RESIDENTIAL PAVING
		ARTERIAL PAVING
	EXISTING	CONCRETE PAVING
		TEMPORARY PAVING
		WHEELCHAIR RAMPS
NA	PP	EXISTING POWER POLE TO BE RELOCATED BY OTHERS
NA	LP	EXISTING LIGHT POLE TO BE RELOCATED BY OTHERS
NA	TZ	EXISTING TRAFFIC LIGHT TO BE RELOCATED
NA	S	EXISTING SPRINKLER HEAD
NA	NA	10 YEAR HYDRAULIC PROFILE
NA	NA	LIMITS OF CONSTRUCTION

GENERAL NOTES

- ALL WORK DETAILED ON THESE PLANS TO BE PERFORMED UNDER THIS CONTRACT SHALL EXCEPT AS OTHERWISE STATED OR PROVIDED FOR HEREIN, BE CONSTRUCTED IN ACCORDANCE WITH THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1985 AND THE PROJECT SPECIFICATIONS TITLED "SOUTH SAN MATEO STORM DRAIN EXTENSION PHASE III". THE INTERIM STANDARD SPECIFICATIONS CONTAIN THE CITY STANDARD DRAWINGS.
- TWO (2) WORKING DAYS PRIOR TO ANY EXCAVATION, CONTRACTOR MUST CONTACT LINE LOCATING SERVICE, 765-1234, FOR LOCATION OF EXISTING UTILITIES.
- 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 ENGINEER SO THAT THE CONFLICT CAN BE RESOLVED WITH MINIMUM AMOUNT OF DELAY.
- ALL NEW STREET PAVING, DRIVEWAYS, SIDEWALKS, AND CURB AND GUTTERS ABUTTING EXISTING AREAS SHALL MATCH THE ELEVATION OF THOSE AREAS.
- THE CONTRACTOR SHALL ASSUME RESPONSIBILITY FOR ANY DAMAGE TO EXISTING PAVING OR CURB AND GUTTER DURING CONSTRUCTION, APART FROM THOSE SECTIONS INDICATED FOR REMOVAL ON THE PLANS, AND SHALL REPAIR OR REPLACE SAME AT HIS OWN EXPENSE. HE SHALL SUITABLY PROTECT THE CURB AND GUTTER FROM INCIDENTAL SPLASHING DURING THE TACK COAT APPLICATION AND SHALL BE RESPONSIBLE FOR CLEANING SAME AT HIS OWN COST SHOULD SPLASHING OCCUR.
- THE LIMITS OF CONSTRUCTION SHOWN ON THE PLANS ARE AN APPROXIMATION TO SHOW AREAS OF ANTICIPATED PAVEMENT, CURB AND GUTTER AND/OR OTHER SURFACE REMOVAL. MAXIMUM TRENCH WIDTHS FOR PAYMENT PURPOSES SHALL CONFORM TO TABLE 801.17.8.2 OF THE SPECIFICATIONS. THE CONTRACTOR IS REFERRED TO THE SPECIFICATIONS AS SUPPLEMENTED, ESPECIALLY SECTION 6 OF THE GENERAL CONDITIONS.
- ALL UTILITY LINES WHICH ARE NOT SPECIFICALLY DESIGNATED TO BE REMOVED AND REPLACED ON THE PLANS SHALL BE MAINTAINED IN SERVICE. SHORING, SHEETING, AND OTHER MEANS OF SUPPORT SHALL BE EMPLOYED BY THE CONTRACTOR TO PREVENT DAMAGE OR LOSS OF THESE EXISTING UTILITIES. BEAM AND CABLE OR OTHER ADEQUATE SUPPORTS SHALL BE USED FOR TEMPORARY SUPPORT OF ALL UTILITY LINES WHICH CROSS THE TRENCH. ANY DAMAGE TO EXISTING UTILITIES SHALL PROMPTLY BE REPAIRED AT THE CONTRACTOR'S EXPENSE. THE ENGINEER WILL BE IMMEDIATELY NOTIFIED OF ANY SIGNIFICANT DEVIATION OF EXPOSED UTILITIES FROM THE LOCATIONS SHOWN ON THE PLANS SO THAT CONFLICTS CAN BE RESOLVED IN A TIMELY MANNER.
- PRESSURE MANHOLE COVERS AS SHOWN ON THE PLANS SHALL BE NEENAH 1916-C1 OR APPROVED EQUAL. NO SEPARATE PAY ITEM.
- ALL MANHOLES STEPS SHALL BE 1/2" GRADE 60 STEEL REINFORCING ROD ENCAPSULATED IN A CO-POLYMER POLYPROPYLENE AS MANUFACTURED BY M.A. INDUSTRIES, INC. (MODEL #P-2-PFS) OR EQUAL. STEPS ARE NOT TO BE PRECAST IN PLACE BUT SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER AFTER THE MANHOLE HAS BEEN CONSTRUCTED. TOP TWO STEPS TO PROTRUDE 4 INCHES INTO MANHOLE, ALL OTHERS 5 INCHES. SPACING BETWEEN STEPS TO BE 16 INCHES O.C., FIRST STEP TO BE 18 INCHES FROM MANHOLE RIM, LAST STEP TO BE 18 INCHES MAXIMUM FROM BOTTOM. SEE DRAWING K-25 FOR STEP DETAIL. ALL STORM DRAIN MANHOLES SHALL HAVE STEPS.
- ALL MANHOLE COVERS, WATER VALVES, OR OTHER SERVICE ACCESS SHALL MATCH EXISTING GRADE OF PAVEMENT. ON UNPAVED SURFACES, THESE SHALL MATCH EXISTING GROUND SURFACES OR FINAL GRADES, WHICHEVER APPLIES.
- REFERENCES USED IN PREPARATION OF THESE PLANS INCLUDE THE ALBUQUERQUE MASTER DRAINAGE STUDY, BOHANNON-HUSTON, INC., JANUARY 1981; HIGHLAND DETENTION BASIN STUDY, PRELIMINARY DESIGN ANALYSIS, INCLUDING CALCULATIONS APPENDIX, LEEDSHILL-HERKENHOFF, INC. MARCH 1984; PRELIMINARY DESIGN ANALYSIS SOUTH SAN MATEO STORM DRAIN EXTENSION, LEEDSHILL-HERKENHOFF, INC. MARCH 1985; DESIGN ANALYSIS REPORT SECTIONS I-IV, FINAL DESIGN ANALYSIS V-VI, AND CALCULATIONS APPENDIX "A" (2 VOLUMES) KIRTLAND AIR FORCE BASE DETENTION BASINS, LEEDSHILL-HERKENHOFF, INC., JUNE 1984; PRELIMINARY DESIGN ANALYSES, COST ESTIMATES AND OUTLINE SPECIFICATIONS - SAN MATEO STORM DRAIN IMPROVEMENTS PHASE III, GORDON HERKENHOFF AND ASSOCIATES, INC. JULY 1980; PRELIMINARY DESIGN ANALYSIS AND TECHNICAL SUPPLEMENT (2 VOLUMES) SAN MATEO STORM DRAIN EXTENSIONS, GORDON HERKENHOFF AND ASSOCIATES, INC., MARCH 1979. THESE ARE ON FILE WITH THE CITY OF ALBUQUERQUE ENGINEERING DIVISION.
- THE HYDRAULIC GRADE LINE SHOWN ON THE PLANS DEPICTS THAT OF THE ULTIMATE SYSTEM.
- PAVEMENT REPLACEMENT. ALL ASPHALT PAVEMENT REPLACEMENT SHALL BE IN ACCORDANCE WITH STD. DWG. P-25. ARTERIAL SECTION SHALL BE USED ON THE FOLLOWING STREETS:
SAN MATEO BLVD.
GIBSON BLVD.
SAN PEDRO BLVD.
KATHRYN AVE.
RESIDENTIAL SECTION SHALL BE USED ON ALL REMAINING STREETS.
- THE CONTRACTOR IS TO COORDINATE UTILITY RELOCATIONS TO BE PERFORMED BY OTHERS DURING ALL PHASES OF CONSTRUCTION.
- RIM ELEVATIONS SHOWN FOR NEW MANHOLES ARE INTERPOLATED SURVEY DATA. MANHOLE RINGS AND COVERS SHALL MATCH FINISH GRADE OF PAVEMENT.
- ALL REFERENCE TO CURB AND GUTTER IS TO STANDARD CURB AND GUTTER UNLESS OTHERWISE NOTED.
- DRIVEPADS THAT ARE IN AN AREA OF RECONSTRUCTION THAT ARE BLOCKED OR NOT BEING USED SHALL BE CLOSED DURING THE RECONSTRUCTION.
- DRIVEPADS THAT ARE TO BE RECONSTRUCTED SHALL MEET THE 6.5' MINIMUM DEPTH REQUIREMENT PER ALBUQUERQUE STANDARD DRAWING P-11 UNLESS RIGHT-OF-WAY IS UNAVAILABLE.
- PIPE AND FITTINGS FOR WATER LINE REPLACEMENTS SHALL BE PLASTIC PIPE, ASBESTOS-CEMENT PIPE, CONCRETE CYLINDER PIPE, OR DUCTILE IRON PIPE PER CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1985.
- EXISTING SANITARY SEWER MANHOLES WITH LIGHT-WEIGHT, VENTED, MULTI-HOLED MANHOLE COVERS SHALL BE UPGRADED PER THE CITY OF ALBUQUERQUE INTERIM STANDARD SPECIFICATIONS PUBLIC WORKS CONSTRUCTION 1985 WHEN ENCOUNTERED IN THE CONSTRUCTION AREA. THIS WORK INCLUDES REPLACING THE EXISTING MANHOLE FRAME AND COVER, PLACING THE CONCRETE PAD AROUND THE EXISTING MANHOLE AND REPLACING ADJOINING ASPHALT PAVEMENT.
- WATER UTILITIES DEPT. MAY WISH TO SLOPLINE SANITARY SEWER LINES IN THESE AREAS. CONTRACTOR SHALL GIVE MINIMUM 2 WEEKS NOTICE OF IMPENDING CONSTRUCTION TO WATER UTILITIES DEPT.
- RIGHT-OF-WAY SHOWN IS APPARENT RIGHT-OF-WAY DETERMINED FROM PLAT MAPS AND LOCATED PROPERTY TIES.
- ALL WATER CONNECTIONS ARE WET CONNECTIONS UNLESS OTHERWISE NOTED ON PLANS.

BENCH MARKS (CONT'D.)

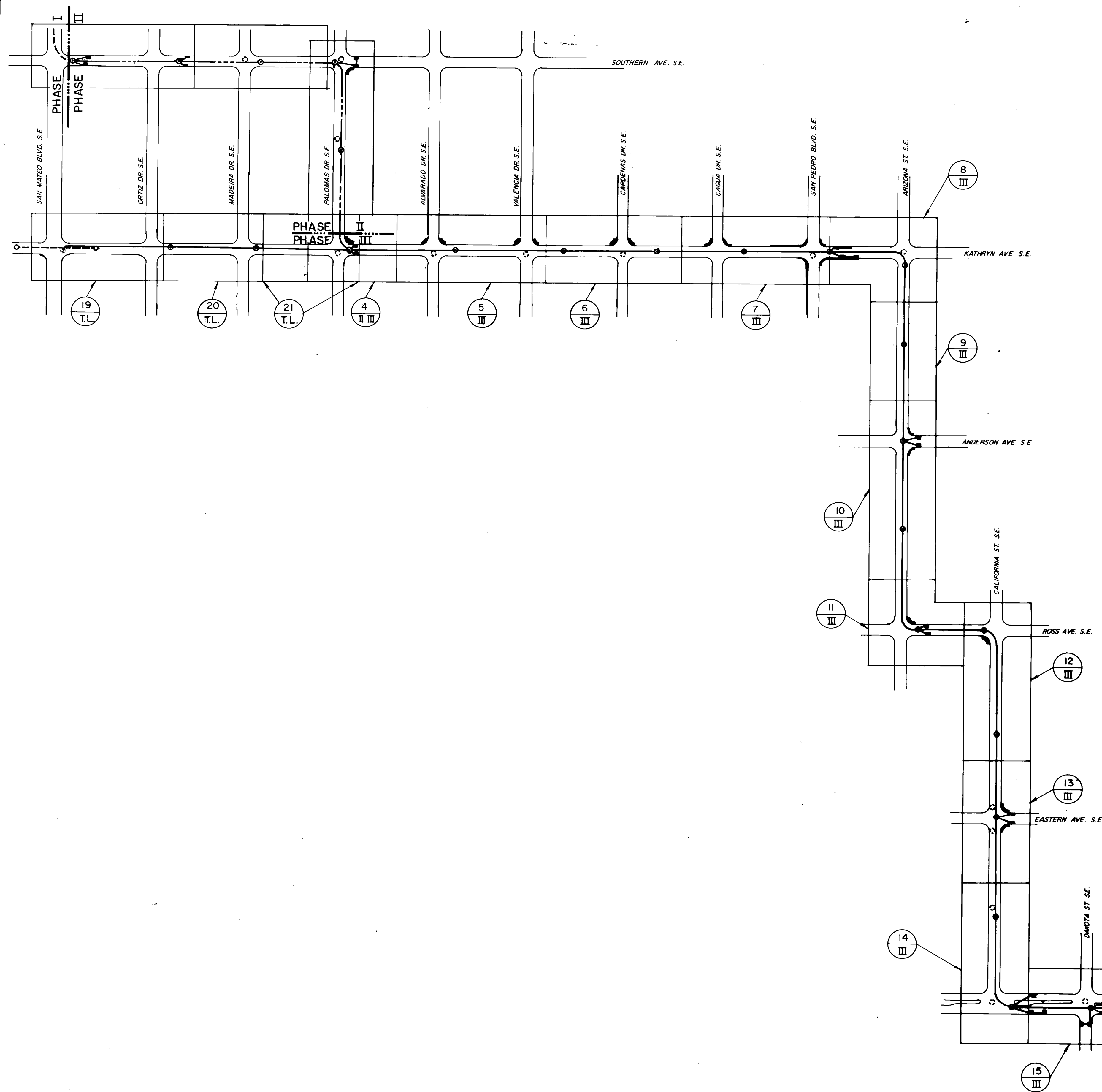
⑩ 13-L 18: Aluminum Tablet, stamped "ACS, 13-L 18, 1984", set flush w/top of curb at SW corner of intx. of San Pedro Blvd. S.E. and Kathryn Ave. S.E. Elev. = 5302.302

BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	NO.	DATE
⑩ 12-L 18	18, 1984	⑩ 12-L 18	18, 1984
Aluminum Tablet, stamped "ACS, 12-L 18, 1984", set flush w/top of curb at NE corner of intx. of San Mateo Blvd. S.E. and Kathryn Ave. S.E. Elev. = 5279.610		Aluminum Tablet, stamped "ACS, 12-L 18, 1984", set flush w/top of curb at NE corner of intx. of San Mateo Blvd. S.E. and Kathryn Ave. S.E. Elev. = 5279.610	
⑩ G-2	18, 1984	⑩ G-2	18, 1984
Standard N.M.S.H.C. Brass Tablet, stamped "STA. G-2", set in concrete pad flush w/ground in median of Gibson Blvd. S.E., near East end of median @ intx. of Gibson & Louisiana Blvd. Elev. = 5334.757		Standard N.M.S.H.C. Brass Tablet, stamped "STA. G-2", set in concrete pad flush w/ground in median of Gibson Blvd. S.E., near East end of median @ intx. of Gibson & Louisiana Blvd. Elev. = 5334.757	

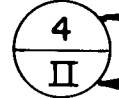
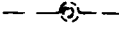
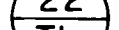


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CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III					
LEGEND AND GENERAL NOTES					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	11/25/85	11/25/85	Liquid Waste	11/25/85	11/25/85
Design	11/25/85	11/25/85	Traffic	11/25/85	11/25/85
Hydrology	11/25/85	11/25/85	Water	11/25/85	11/25/85
DRAWING NO.	2285	MAP NO.	L-18	SHEET	2 OF 27



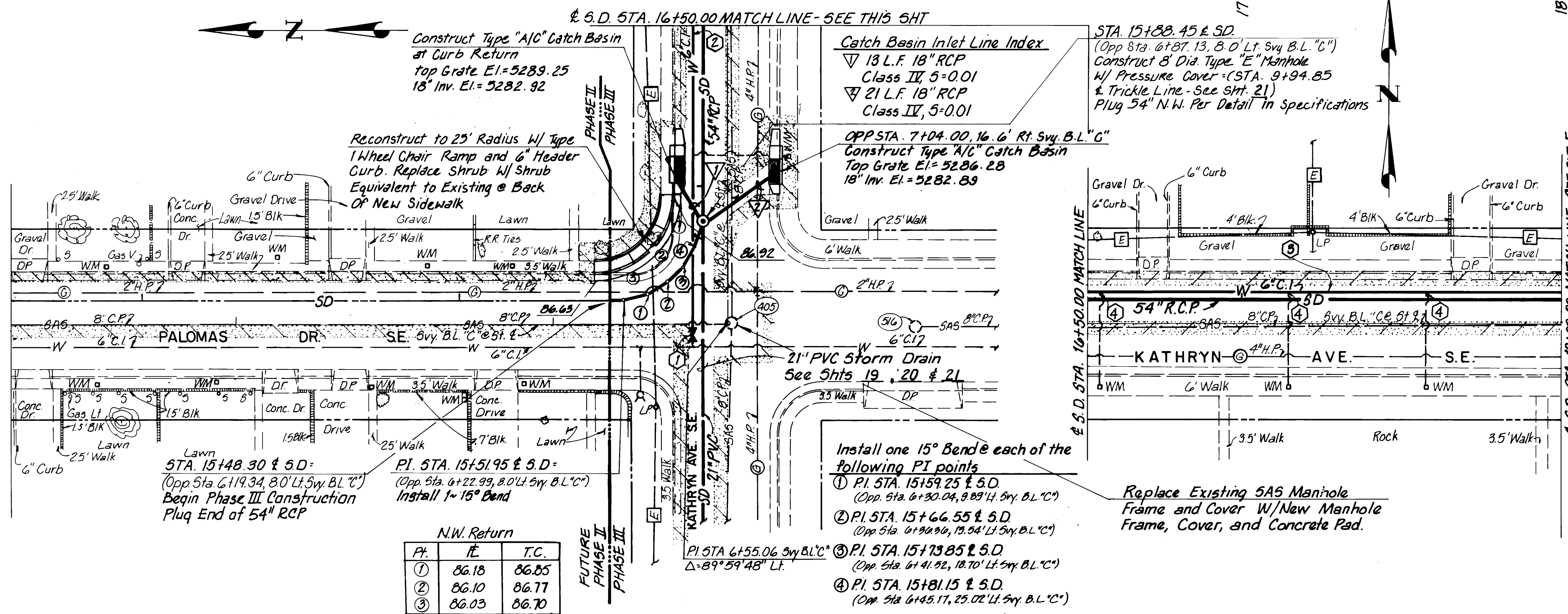
LEGEND

-  Proposed Manhole
 Proposed Catch Basin
 Sheet No.
 Phase of Construction
 Existing S.D. Manhole and S.D.
 San Mateo Storm Drain Phase I (S.H.D.)
 New Curb Return w/ Handicap Ramp
 New Manhole Frame and Cover
 Sheet No.
 Trickle Line
 San Mateo Storm Drain Phase II

NOTE:
Phases I and II Not Part
of This Contract.

[illegible]

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE:					
SHEET INDEX MAP					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>A. Chen</i>	<i>1/16/15</i>	Liquid Waste	<i>B. Ryals</i>	<i>1/22/15</i>
A.P.E. Design	<i>John H. H. H.</i>	<i>1/22/15</i>	Traffic	<i>D. G. Parks</i>	<i>1/22/15</i>
A.P.E.-Hydrology	<i>John H. H. H.</i>	<i>1/22/15</i>	Water	<i>B. Ryals</i>	<i>1/22/15</i>
DRAWING NO.		MAP NO.		SHEET	
2285		L-18		3	OF 27



SOUTH SAN MATEO STORM DRAIN EXTENSION (PALOMAS DR. AND KATHRYN AVE. S.E.)

SCALES

1" = 20' Horizontal
1" = 5' Vertical

EXISTING MANHOLE DATA

SAS MH L-18-516
(P.I. Sta. 6+59.06+59.80, 0.5' Rt. Svy. B.L. "C")
Existing Rim El.=86.05
8" S. Inv. El.=81.25

SAS MH L-18-405
(P.I. Sta. 6+55.06+1.20, 0.2' Rt. Svy. B.L. "C")
Existing Rim El.=85.81
8" N. Inv. El.=74.72
8" S.E. Inv. El.=74.84 (Plugged)
8" E. Inv. El.=74.58
8" W. Inv. El.=74.48

Replacement Waterline Construction Notes:

- Opp. STA. 6+44.9, 0.5' Rt. Svy. B.L. "C"
Begin Construction new 6" Water Line. Remove existing 6" Gate Valve and replace w/ new 6" Gate Valve w/ Type I Valve Box and Blocking. Begin Removal of Existing 6" Water Line to East.
- Remove approximate 102 L.F. of Existing 6" C.I. Waterline. Install approximate 102 L.F. of New 6" Waterline w/ 3' of Bury
- Remove approximate 150 L.F. of Existing 6" C.I. Waterline. Install approximate 150 L.F. of New 6" Water Line w/ 3' of Bury MIN. (TYP)
- Reconnect existing water service line to new 6" Water Line.

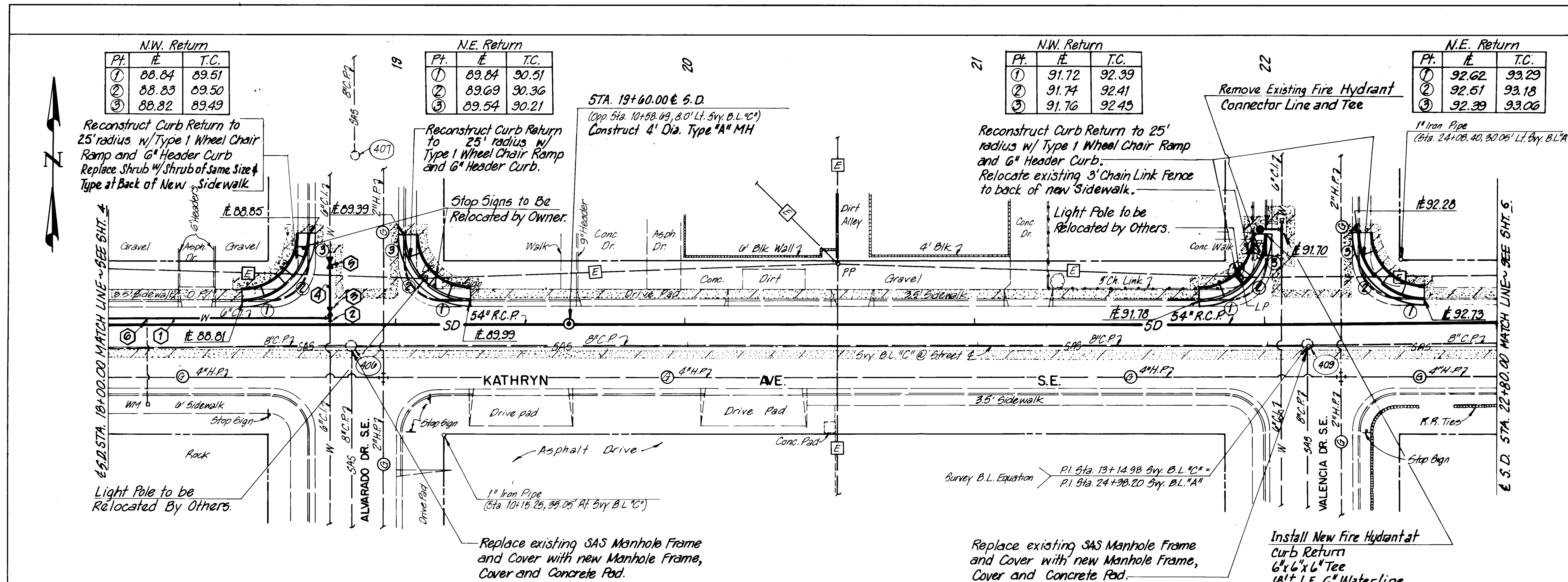
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III
PALOMAS DR. S.E. & KATHRYN AVE. S.E.
(STA 13+60 TO STA 18+00)

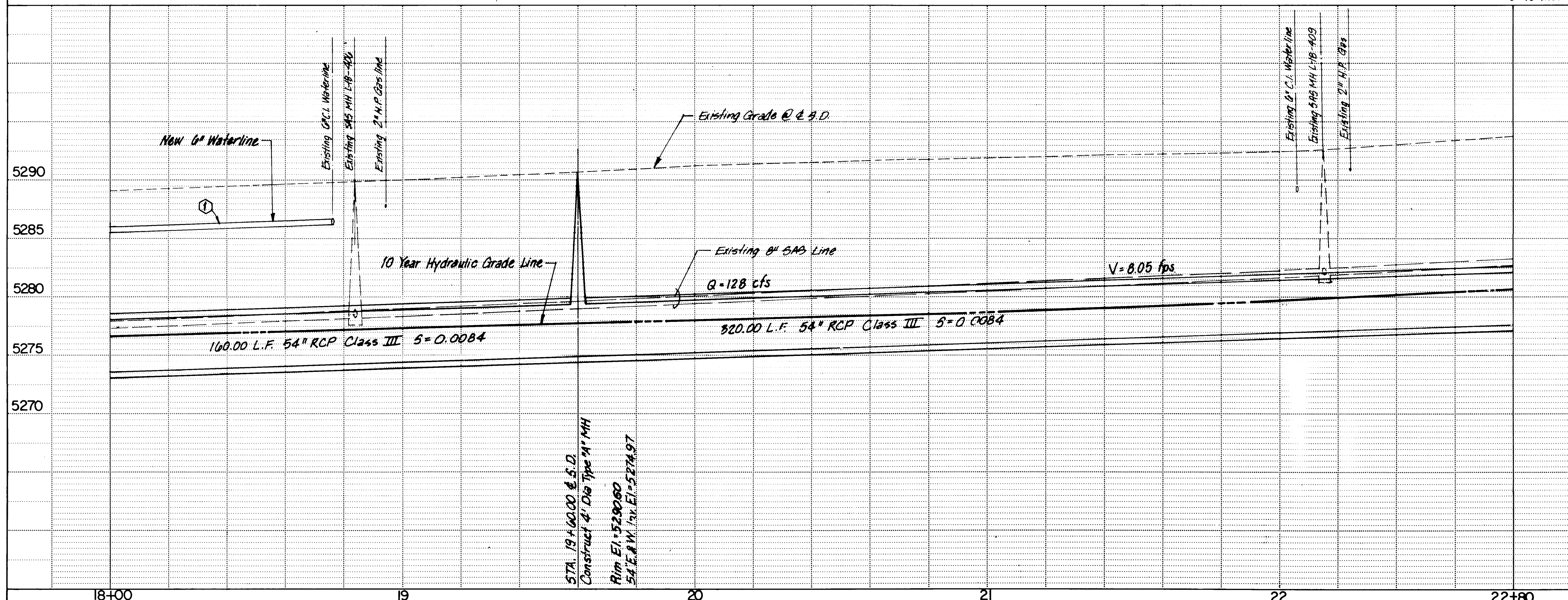
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	4/22/85	Liquid Waste	<i>[Signature]</i>	4/22/85
ACE-Design	<i>[Signature]</i>	4/22/85	Traffic	<i>[Signature]</i>	4/22/85
ACE-Hydrology	<i>[Signature]</i>	4/22/85	Water	<i>[Signature]</i>	4/22/85

DRAWING NO. 2285 MAP NO. L-18 N SHEET 4 OF 27



SOUTH SAN MATEO STORM DRAIN EXTENSION

(KATHRYN AVE. S.E.)



EXISTING MANHOLE DATA

SAS MH L-18-406		
(Sta. 9+83.70, 0.1' Lt. Svy. B.L. 'C')		
Existing Rim El. = 89.66		
8" S. Inv. El. = 78.07		
8" E. Inv. El. = 78.16		
8" W. Inv. El. = 78.06		
SAS MH L-18-407		
(Sta. 9+94.80, 0.2' Lt. Svy. B.L. 'C')		
Existing Rim El. = 89.29		
8" S. Inv. El. = 82.08		
SAS MH L-18-409		
(Sta. 24+37.70, 1.8' Rt. Svy. B.L. 'A')		
Existing Rim El. = 92.55		
E. Inv. El. = 81.86		
W. Inv. El. = 81.87		
S. Inv. El. = 81.97		

Replacement Waterline Construction Notes:

1. Remove approx. 70 L.F. existing 6" C.I. Waterline and install approx. 70 L.F. New 6" Waterline (3' Bury)
2. OPP STA. 9+76.40 ±, 10.0' Lt. Svy. B.L. 'C' ~ Install New 6" x 6" Tee and Connect to existing 6" C.I. water line to South.
3. OPP STA. 9+76.40 ±, 9.9' Lt. Svy. B.L. 'C' ~ Remove 6" Gate Valve and Valve Box
4. Remove approx. 18 L.F. existing 6" C.I. water line and install approx 18 L.F. New 6" Waterline. (3' Bury min. (typ.))
5. OPP PT. of Curb Return ~ End Construction New 6" water line. Install New 6" Gate Valve w/ Type 'A' Valve Box and Blocking. Connect to existing 6" Water Line w/ 6" Transition Coupling.
6. Connect existing service to replacement Water Line.

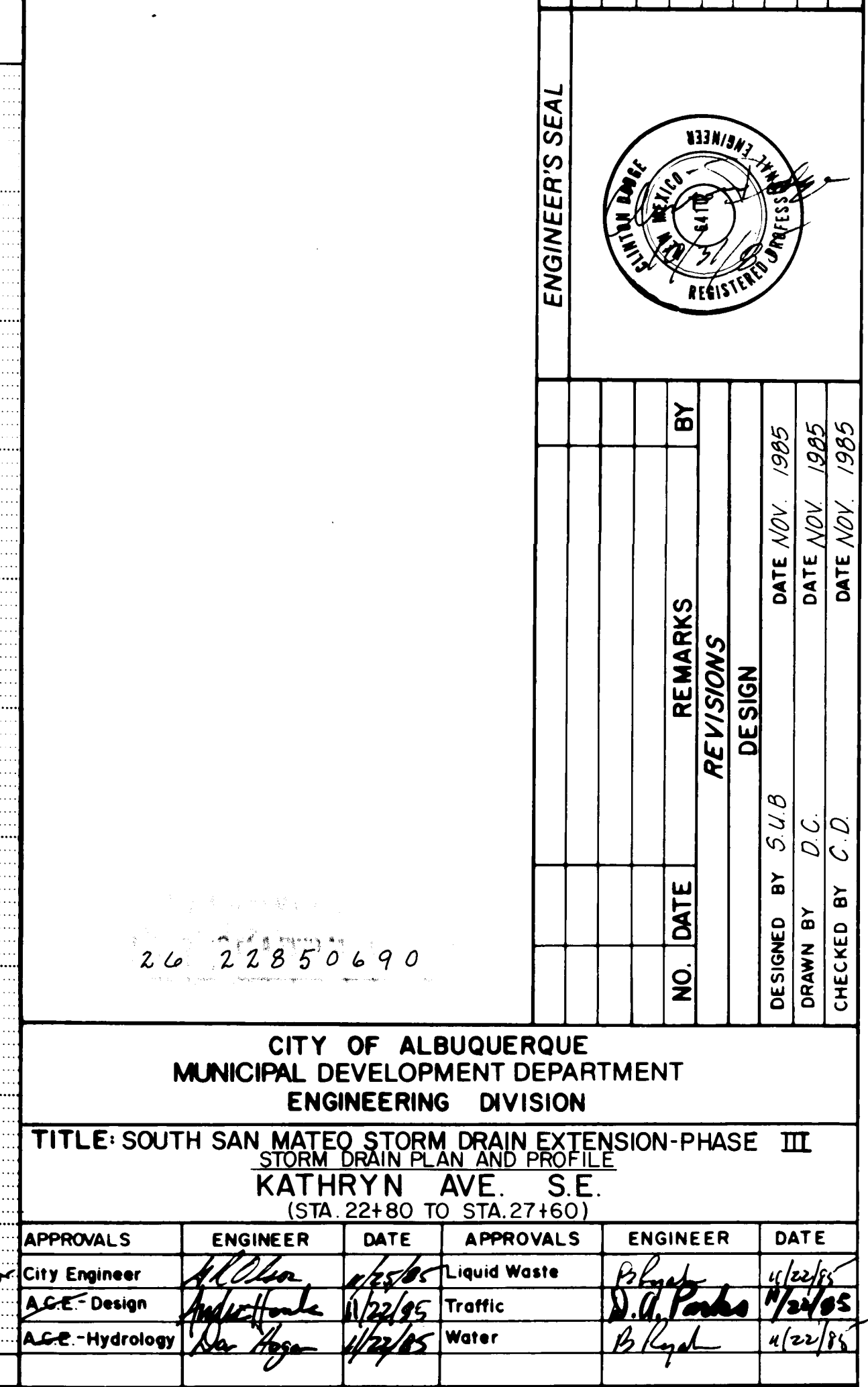
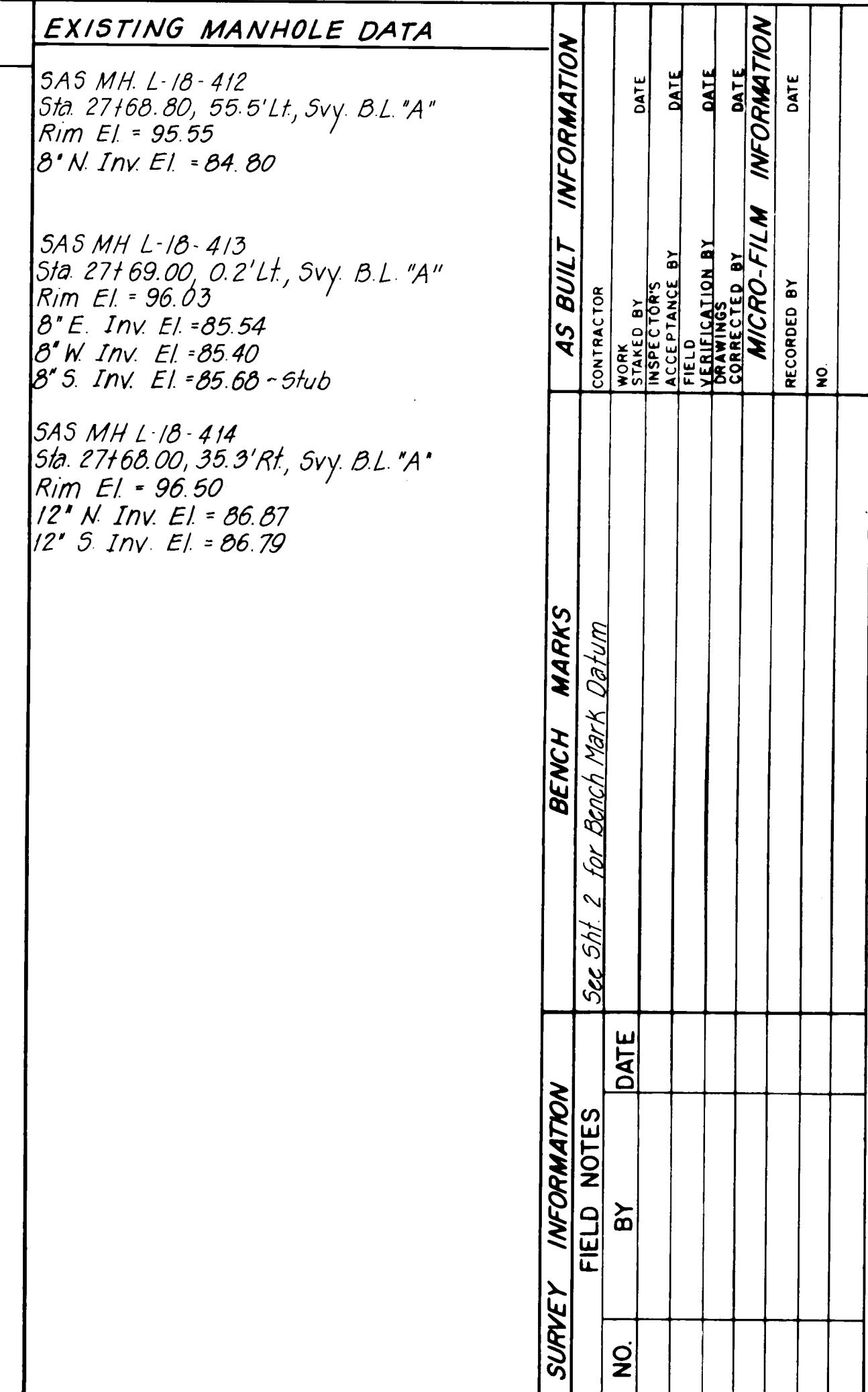
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III
STORM DRAIN PLAN AND PROFILE
KATHRYN AVE. S.E.
(STA 18+00 TO STA 22+80)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/22/15	Liquid Waste	<i>[Signature]</i>	11/22/15
A.E. Design	<i>[Signature]</i>	11/22/15	Traffic	<i>[Signature]</i>	11/22/15
A.E. Hydrology	<i>[Signature]</i>	11/22/15	Water	<i>[Signature]</i>	11/22/15

DRAWING NO. 2285 MAP NO. L-18 N SHEET 5 OF 27



EXISTING MANHOLE DATA

SAS MH L-18-418
Sta. 30+95.60, 0.7' Lt. Svy. B.L. "A"
Rim El. = 98.55
8" N. Inv. El. = 89.67
8" S. Inv. El. = 89.22
8" E. Inv. El. = 89.05
8" W. Inv. El. = 88.78

SAS MH L-18-420
Sta. 34+27.80, 0.3' Lt. Svy. B.L. "A"
Rim El. = 91.62
8" N. Inv. El. = 92.74
12" N. Inv. El. = 91.84
8" S. Inv. El. = 92.24
10" E. Inv. El. = 91.87
8" W. Inv. El. =

Replacement Waterline
Construction Notes:

- Opp. Sta. 34+17.65, 6.5' Lt. Svy. B.L. "A"
Begin Construction New 6" Waterline
Connect to existing Tee w/ Transition
Coupling. Begin Removal of existing
6" C.I. Waterline to East.
- Remove approximately 64LF existing
6" C.I. Waterline
Install approximately 54LF new
6" Waterline, 3' Bury min. (typ.)
- Opp. Sta. 34+75.2, 6.9' Lt. Svy. B.L. "A"
Remove existing 6" Gate Valve
Install new 6" Gate Valve w/ Type "A"
Valve Box and Blocking
- Opp. Sta. 34+77.0, 19.2' Lt. Svy. B.L. "A"
Remove existing Fire Hydrant and Service
line
- Opp. Sta. 34+82.0, 19.7' Lt. Svy. B.L. "A"
Install New 6x6 Tee w/ Blocking,
6" Service line and Fire Hydrant
as shown

2.6 22850790

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III
STORM DRAIN PLAN AND PROFILE
KATHRYN AVE. S.E.
(STA 27+60 TO STA 32+61)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	[Signature]	4/25/85	Liquid Waste	[Signature]	4/25/85
Design	[Signature]	4/22/85	Traffic	[Signature]	4/22/85
Hydrology	[Signature]	4/22/85	Water	[Signature]	4/22/85

DRAWING NO. 2285 MAP NO. L-18N SHEET 7 OF 27

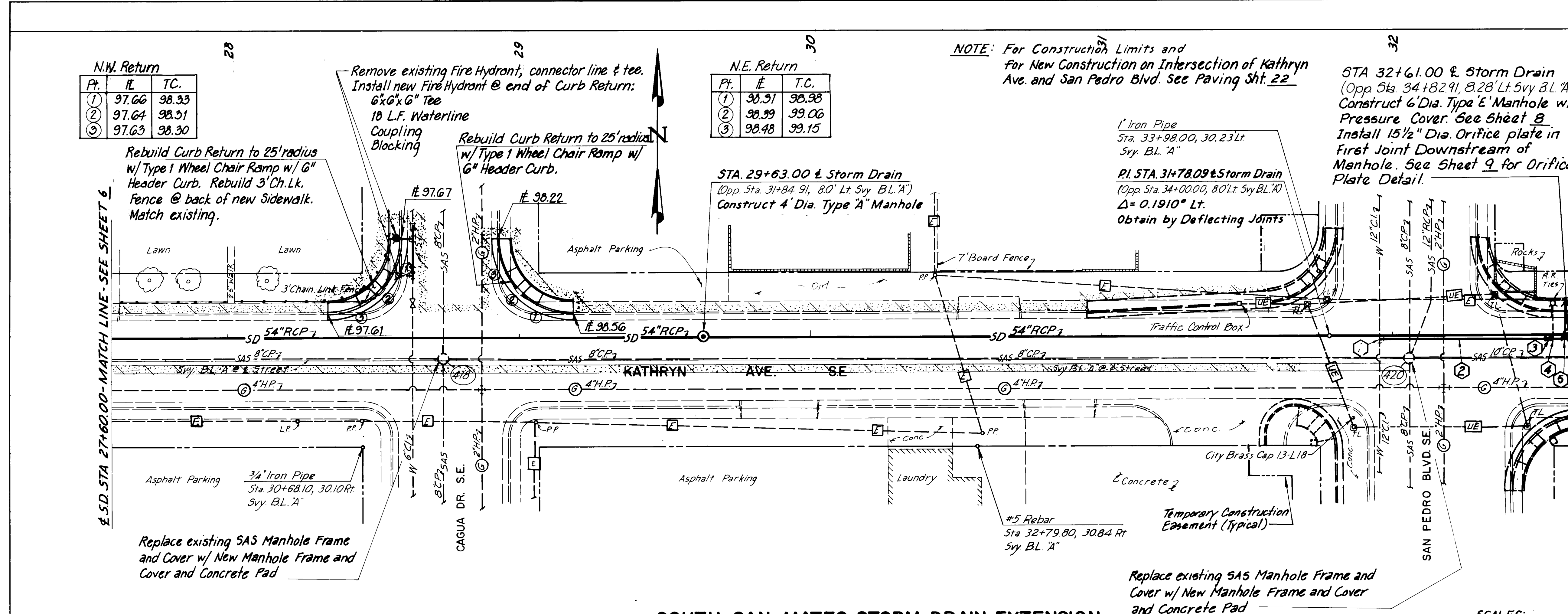
NOTE: For Construction Limits and
For New Construction on Intersection of Kathryn
Ave. and San Pedro Blvd. See Paving Sht. 22

N.W. Return

Pt.	El.	T.C.
1	97.66	98.33
2	97.64	98.31
3	97.63	98.30

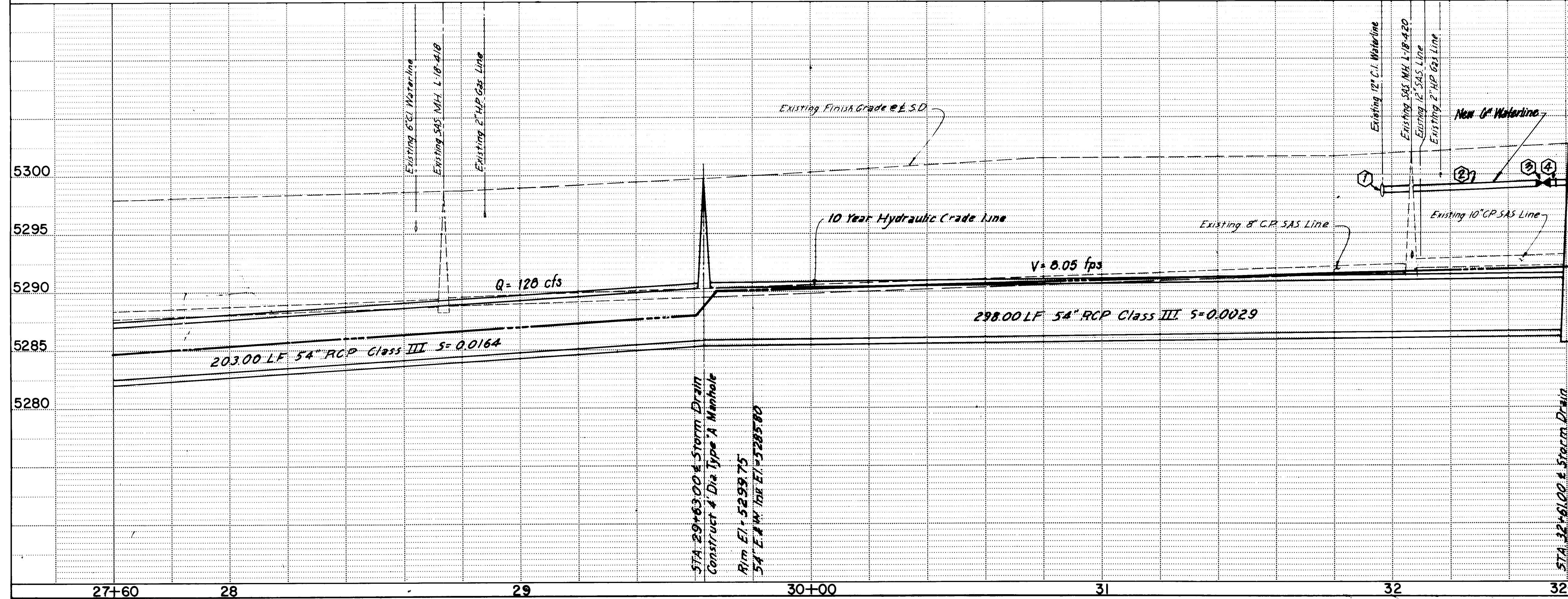
N.E. Return

Pt.	El.	T.C.
1	98.91	98.98
2	98.99	99.06
3	98.98	99.15



SOUTH SAN MATEO STORM DRAIN EXTENSION
(KATHRYN AVE. SE.)

SCALES:
1" = 20' Horizontal
1" = 5' Vertical



27+60 28 29 30+00 31 32 32+61

Reconstruct return to 25' radius w/ Type 1 Wheel Chair Ramp w/ 6" header curb. Replace 2' Block Wall @ back of new Sidewalk. Match existing finish. Replace any disturbed Landscaping. Stop Sign to be relocated by Owner.

Construct Type Double "B" Catch Basin @ Curb Return
Grate El. = 5309.14
18" Inv. El. = 5304.95

Construct Type Double "B" Catch Basin @ Curb Return
Grate El. = 5309.21
18" Inv. El. = 5305.17

Reconstruct Return to 25' radius w/ Type 1 Wheel Chair Ramp w/ 6" Header Curb. Replace existing shrub with new shrub equivalent to original, behind new Sidewalk

Replace existing SAS Manhole frame and Cover w/ New Manhole frame, Cover and Concrete Pad

Catch Basin Inlet Line Index
40 L.F. 18" RCP Class III S=0.1083
42 L.F. 18" RCP Class III S=0.0167

North Return		
PT.	ℓE	T.C.
①	08.99	09.06
②	08.89	09.56
③	08.79	09.46

South Return		
PT.	ℓE	T.C.
①	09.19	09.86
②	09.18	09.85
③	09.18	09.85

PI STA. 45+25.27 & Storm Drain
(Opp Sta 10100, 6.00' Lt, Svy. B.L. "B")
Δ = 0.1432° Rt.
Deflect Joints as req'd

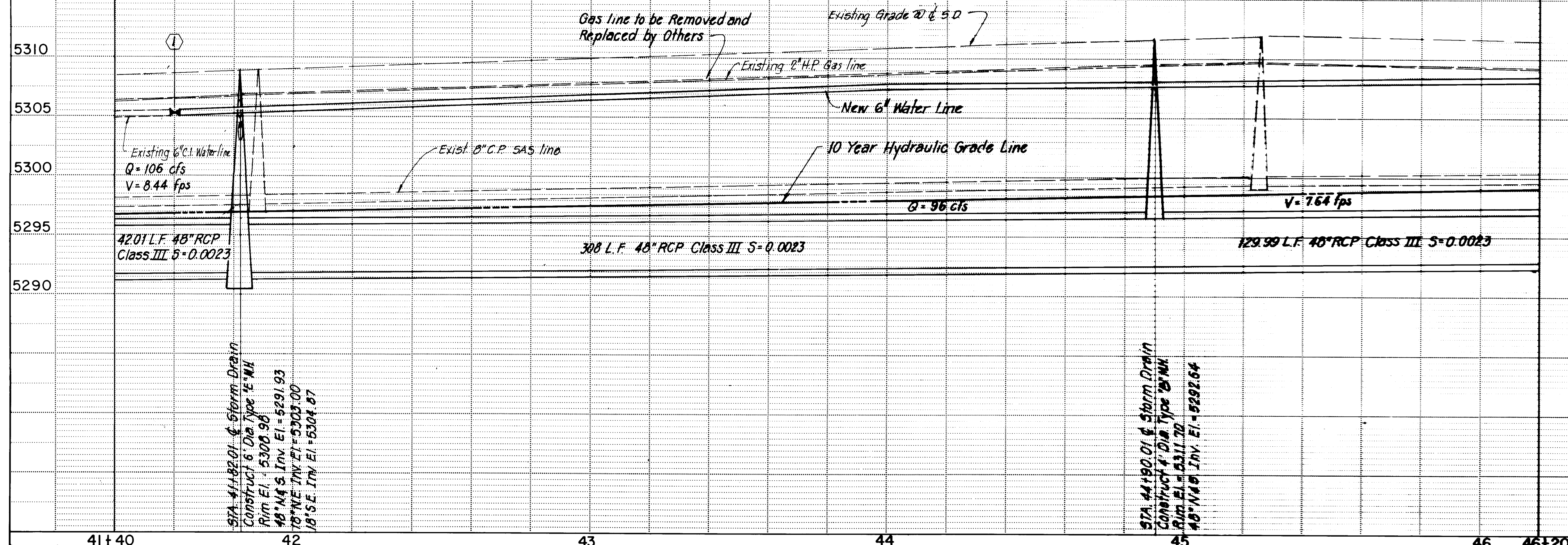
STA. 44+90.01 & Storm Drain
(Opp Sta 9164.74, 5.91' Lt, Svy. B.L. "B")
Construct 4' Dia. Type "B" Manhole

Replace existing SAS Manhole frame and Cover w/ New Manhole frame, Cover and Concrete Pad

SOUTH SAN MATEO STORM DRAIN EXTENSION (ARIZONA ST. SE.)

SCALES:
1" = 20' Horizontal
1" = 5' Vertical

NOTE: Profile is & Storm Drain Stationing



EXISTING MANHOLE DATA

SAS MH L-18-608
Sta 6160.30, 0.3' Lt, Svy. B.L. "B"
Rim El. = 08.76
8" N. Inv. El. = 97.86
8" S. Inv. El. = 98.01

SAS MH L-18-714
Sta 9191.70, 0.3' Lt, Svy. B.L. "B"
Rim El. = 11.87
8" N. Inv. El. = 99.32
8" S. Inv. El. = 99.24

Replacement Waterline Construction Notes:

- Opp Sta 6134.51, 9.5' Lt, Svy. B.L. "B"
Begin Construction 6" Water line
Connect to exist 6" C.I. Water line
Install: Adaptor Coupling
6" Gate Valve
Type "A" Valve Box
Blocking
Begin Removal of existing 4" C.I. Waterline to South
- Remove approx. 460 L.F. existing 4" C.I. Water line. Install approx. 460 L.F. New 6" Water line w/ 3' Bury MIN. (TYP.)
- Reconnect existing Water Service lines to new 6" Water line

26 22851090

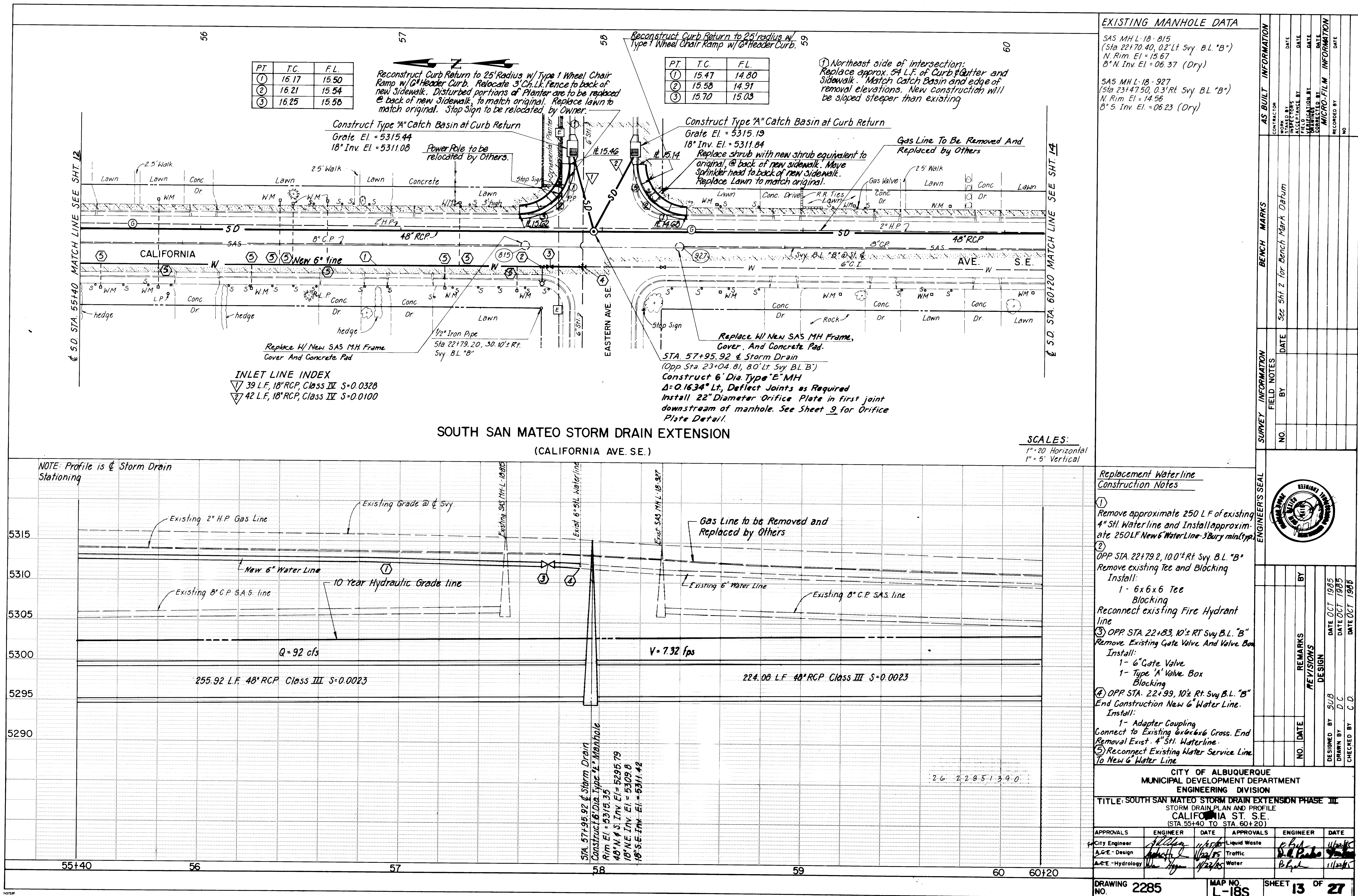
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III
STORM DRAIN PLAN AND PROFILE
ARIZONA AVE. SE
(STA 41+40 TO STA 46+20)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/95	Liquid Waste	<i>[Signature]</i>	11/15/95
ACE-Design	<i>[Signature]</i>	11/15/95	Traffic	<i>[Signature]</i>	11/15/95
ACE-Hydrology	<i>[Signature]</i>	11/15/95	Water	<i>[Signature]</i>	11/15/95

DRAWING NO. 2285 MAP NO. L-18S SHEET 40 OF 27

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	See Sit 2 For Bench Mark Datum	DATE	FIELD NOTES	DATE		NO. DATE BY REMARKS REVISIONS DESIGNED BY SUB DRAWN BY D.C. CHECKED BY C.D.
STANDARD BY	DATE	NO.	DATE	BY	DATE		
ACCEPTANCE BY	DATE						
FIELD	DATE						
SALESMAN	DATE						
CONTRACTED BY	DATE						
MICRO-FILM	DATE						
RECORDED BY	DATE						
	NO.						



PT.	T.C.	F.L.
①	16.17	15.50
②	16.21	15.54
③	16.25	15.58

PT.	T.C.	F.L.
①	15.47	14.80
②	15.58	14.91
③	15.70	15.03

EXISTING MANHOLE DATA

SAS MH L-18-815
(Sta 22+70.40, 0.2' Lt. Svy. B.L. "B")
N. Rim. El. = 15.67
8" N. Inv. El. = 06.37 (Dry)

SAS MH L-18-927
(Sta 23+47.50, 0.3' Rt. Svy. B.L. "B")
N. Rim. El. = 14.56
8" S. Inv. El. = 06.23 (Dry)

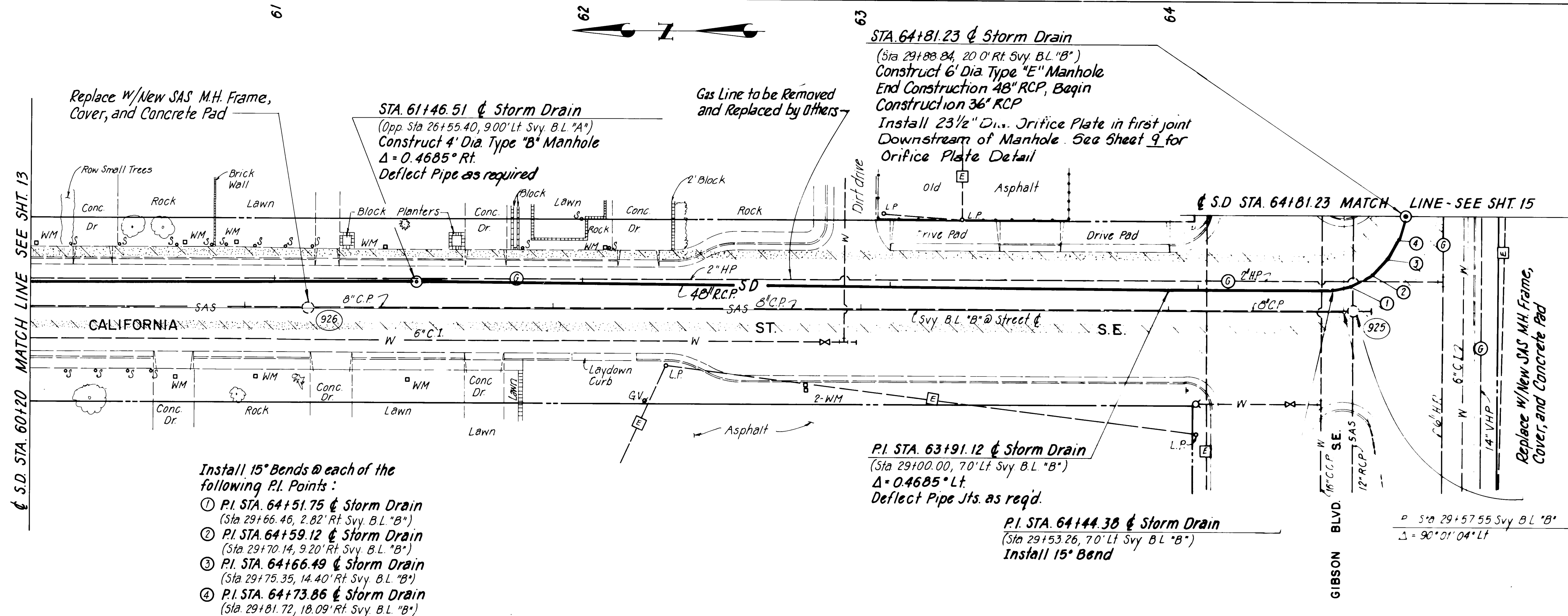
AS BUILT INFORMATION				BENCH MARKS				SURVEY INFORMATION			
CONTRACTOR	DATE	INSPECTOR	DATE	STAKE	DATE	FIELD	DATE	NO.	BY	DATE	DATE

SCALES:
1" = 20' Horizontal
1" = 5' Vertical

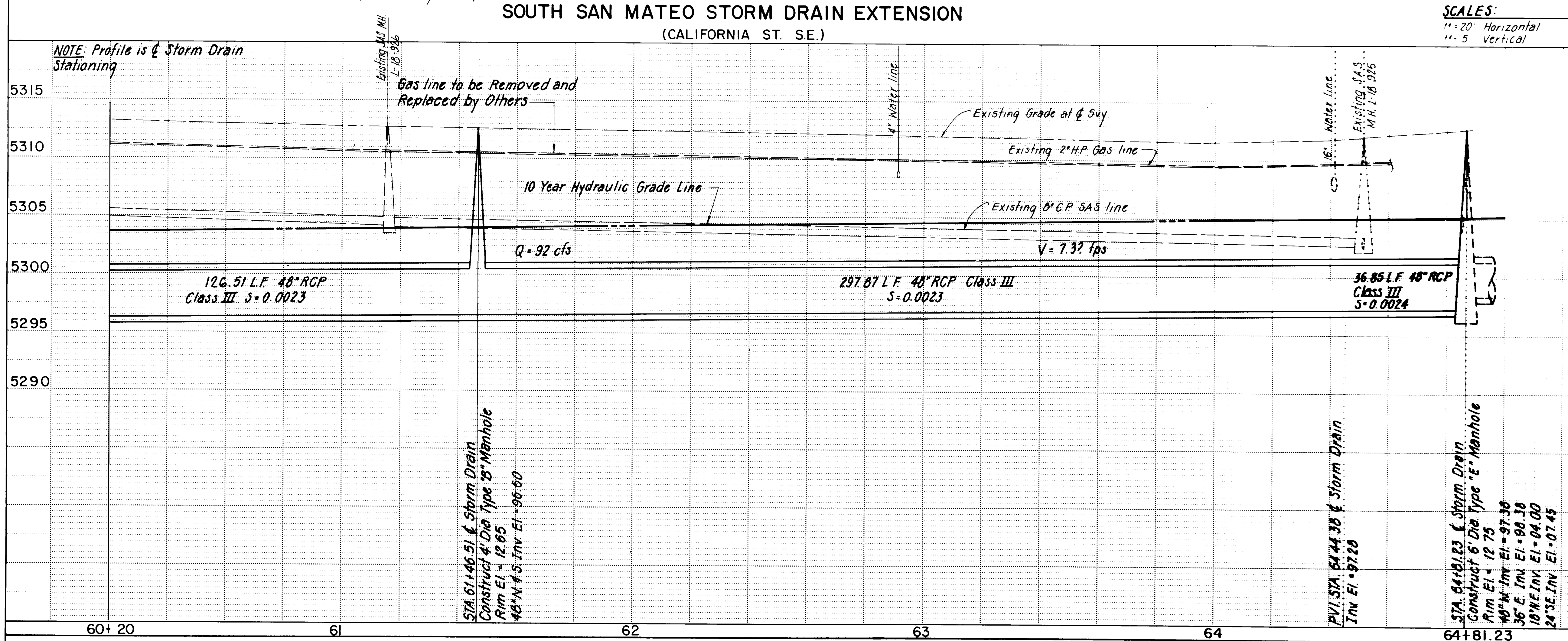
Replacement Waterline Construction Notes

- Remove approximate 250 L.F. of existing 4" Stl. Waterline and Install approximate 250 L.F. New 6" Water Line - 3 Buried min. (typ.)
- OPP. STA. 22+79.2, 10.0' Rt. Svy. B.L. "B"
Remove existing Tee and Blocking
Install:
1- 6x6x6 Tee
Blocking
Reconnect existing Fire Hydrant line
- OPP. STA. 22+83, 10.5' Rt. Svy. B.L. "B"
Remove existing Gate Valve and Valve Box
Install:
1- 6" Gate Valve
1- Type 'A' Valve Box
Blocking
- OPP. STA. 22+99, 10.5' Rt. Svy. B.L. "B"
End Construction New 6" Water Line.
Install:
1- Adapter Coupling
Connect to Existing 6x6x6 Cross. End
Removal Exist. 4" Stl. Waterline.
- Reconnect Existing Water Service Line to New 6" Water Line

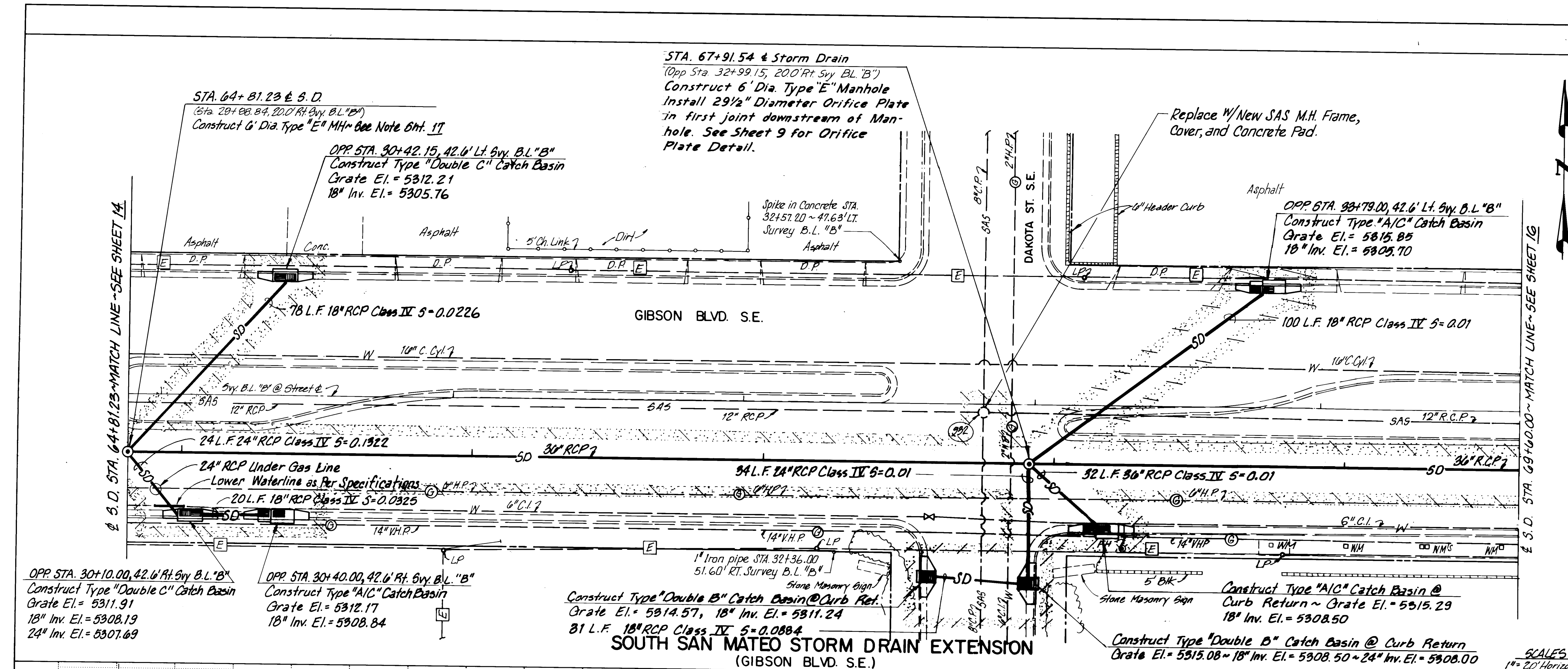
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION PHASE III STORM DRAIN PLAN AND PROFILE CALIFORNIA ST. S.E. (STA 55+40 TO STA. 60+20)					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer		11/21/85	Liquid Waste		11/21/85
A.C.E. - Design		11/21/85	Traffic		11/21/85
A.C.E. - Hydrology		11/21/85	Water		11/21/85
DRAWING NO. 2285		MAP NO. L-18S		SHEET 13 OF 27	



EXISTING MANHOLE DATA				AS BUILT INFORMATION			
SAS MH L-18-926 (Sta 26+20.80, 0.5' Rt. Svy. B.L. 'B') N. Rim El. = 12.83 8' N. Inv. El. = 04.27 8' S. Inv. El. = 04.14				CONTRACTOR	WORK	DATE	
SAS MH L-18-925 (Sta 29+57.55, 0.7, 3.5' Rt. Svy. B.L. 'B') N. Rim El. = 12.26 12' E. Inv. El. = 02.55 12' N. Inv. El. = 02.56 8' N. Inv. El. = 02.95 8' S. Inv. El. = 03.41 (Clay Pipe - Dry)				INSPECTOR	DATE		
				ACCEPTANCE BY	DATE		
				VERIFICATION BY	DATE		
				DRAWINGS	DATE		
				REVISIONS	DATE		
				RECORDED BY	DATE		
				NO.			



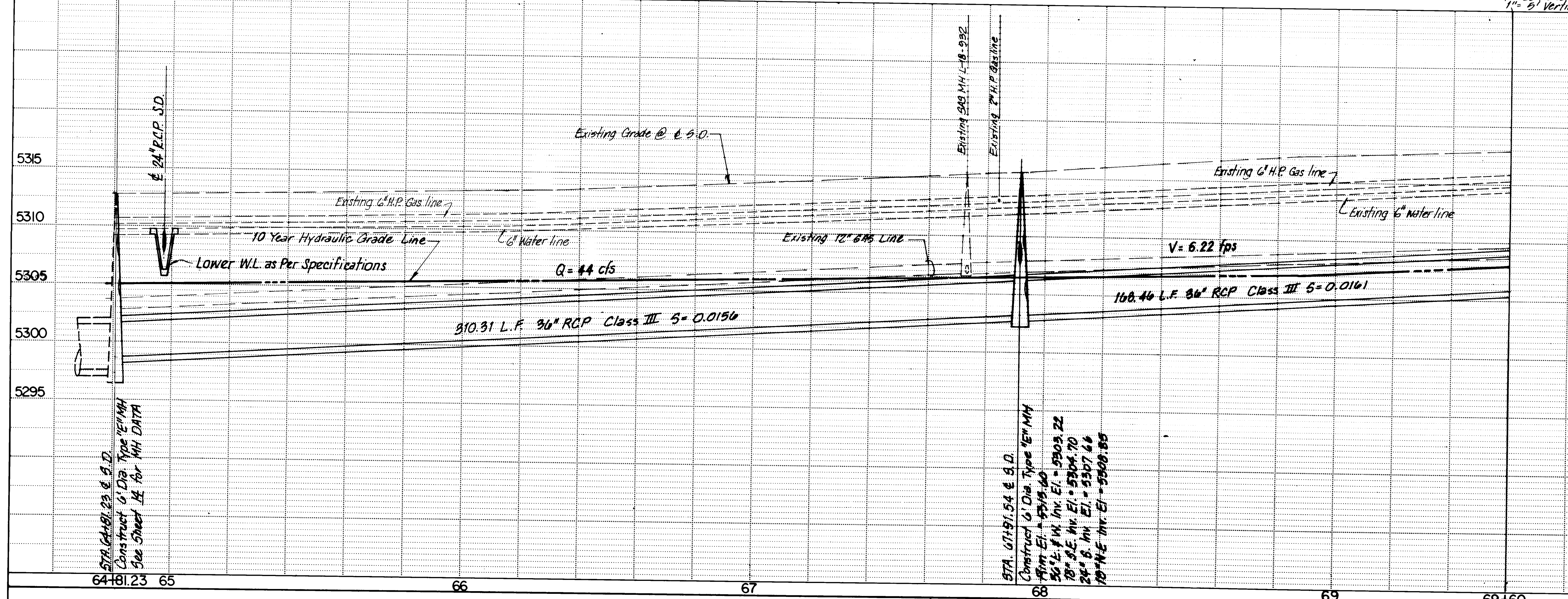
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III STOPM DRAIN PLAN AND PROFILE					
CALIFORNIA ST. SE (STA 60+20 TO STA 64+81.23)					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
CITY Engineer	11/22/05	11/22/05	Liquid Waste	11/22/05	11/22/05
ACE - Design	11/22/05	11/22/05	Traffic	11/22/05	11/22/05
ACE - Hydrology	11/22/05	11/22/05	Water	11/22/05	11/22/05



EXISTING MANHOLE DATA			
549 MH L-18-932			
(Sta 32+86.40, 3.2' R/L Svy. B.L. "B")			
Exist. Rim El. = 5315.40			
12" E. Inv. El. = 5306.84			
12" W. Inv. El. = 5306.80			
8" N. Inv. El. = 5307.27			
8" S. Inv. El. = 5307.84			

NOTES:			
1. Excavate 16" Waterline Prior to Laying 18" RCP N.E. of M.H. at STA. 64+81.23 and M.H. at STA. 67+91.54 and Verify Clearance.			
2. Coordinate all Work at Catch Basins at STA. 30+10, 30+40 and at Dakota with Gas Co.			

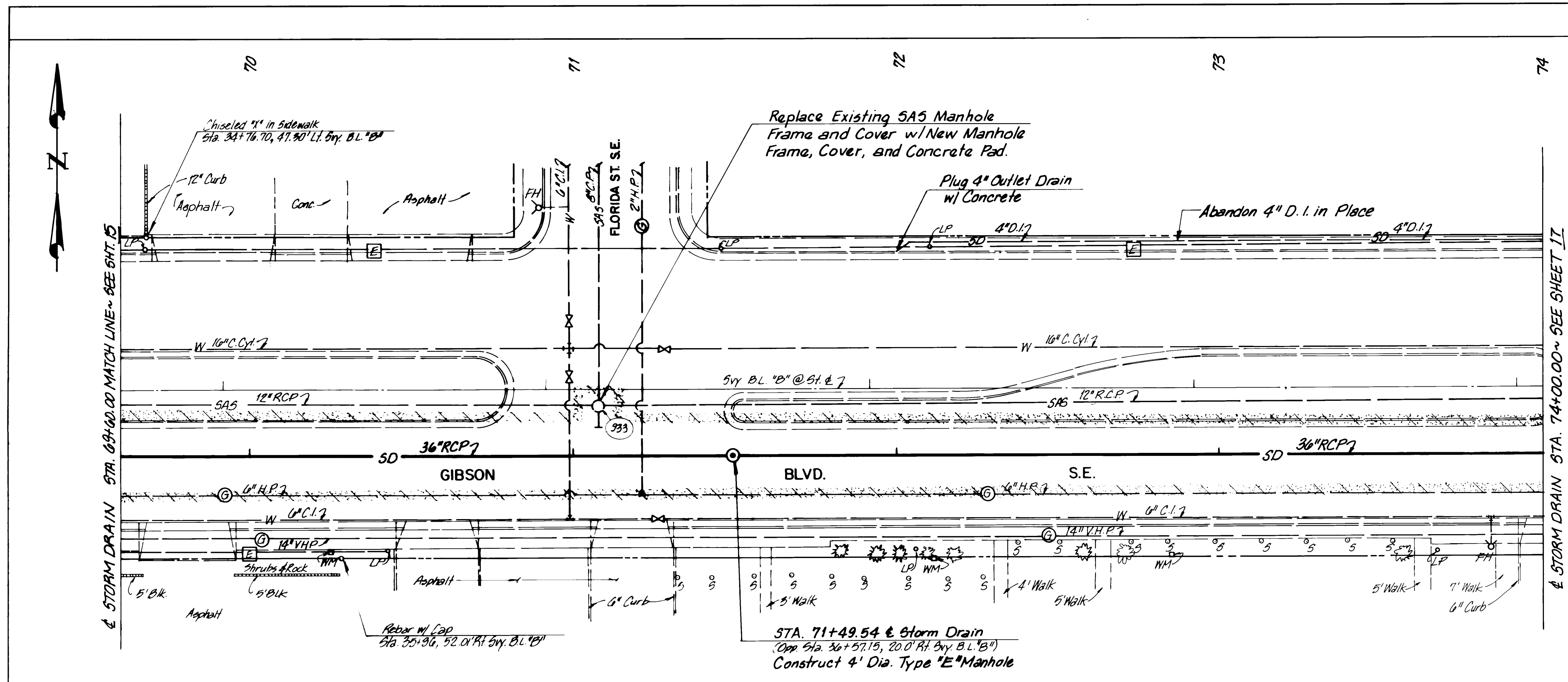
ENGINEER'S SEAL		REVISIONS	
	NO.	DATE	REMARKS
	1	NOV 1985	DESIGN
	2	NOV 1985	CORRECTION
	3	NOV 1985	REVISION



CITY OF ALBUQUERQUE			
MUNICIPAL DEVELOPMENT DEPARTMENT			
ENGINEERING DIVISION			
TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III			
STORM DRAIN PLAN AND PROFILE			
GIBSON BLVD. S.E.			
(STA 64+81.23 TO STA 69+60.00)			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	11/22/85	Liquid Waste
A.E.E. - Design	<i>[Signature]</i>	11/22/85	Traffic
A.E.E. - Hydrology	<i>[Signature]</i>	11/22/85	Water

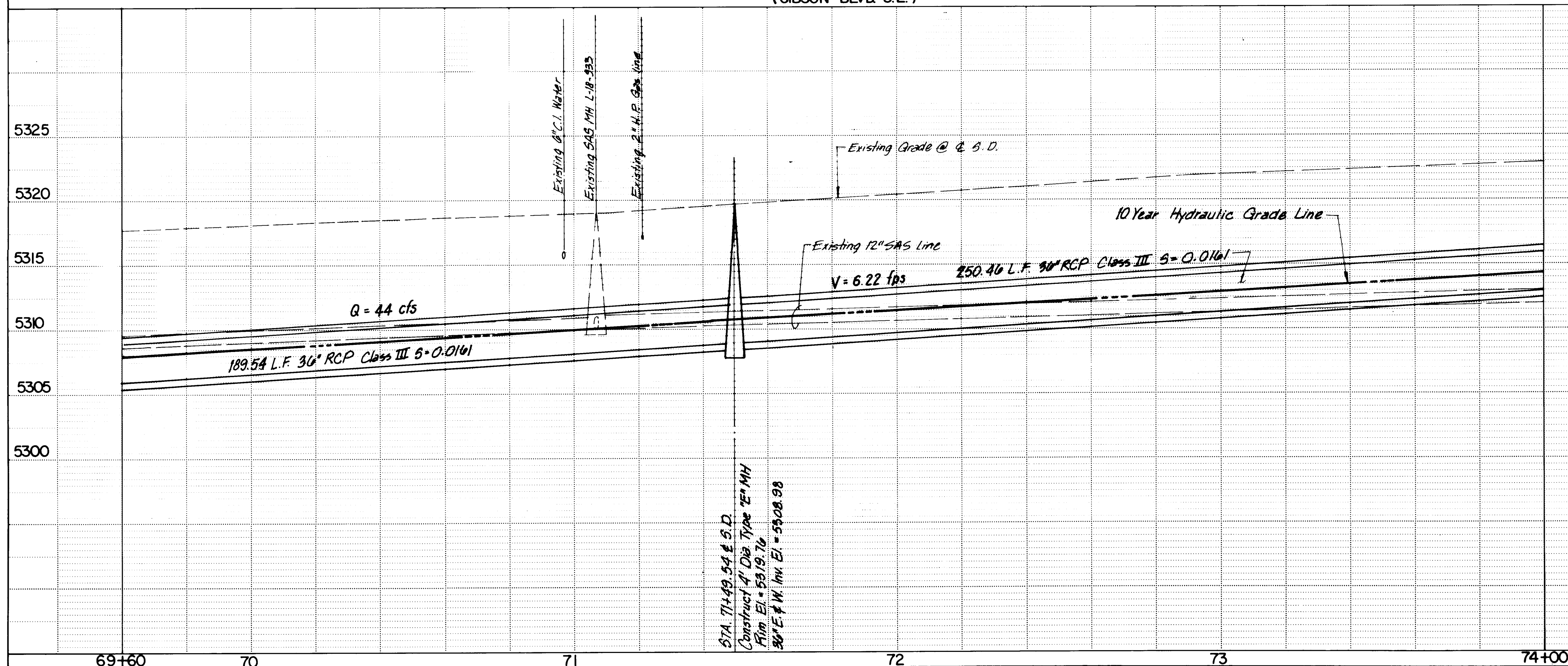
DESIGNED BY	DATE	NOV 1985
DRAWN BY	DATE	NOV 1985
CHECKED BY	DATE	NOV 1985

DRAWING NO.	2285
MAP NO.	L-18S
SHEET	15
OF	27

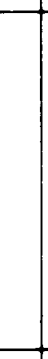


SOUTH SAN MATEO STORM DRAIN EXTENSION
(GIBSON BLVD. S.E.)

SCALES:
1" = 20' Horizontal
1" = 5' Vertical



EXISTING MANHOLE DATA
545 MH L-18-998
Sta. 36+10.20, 4.8' Rt. 5'x5' B.L. "B"
Existing Rim El. = 5319.13
12" E. Inv. El. = 5310.12
12" W. Inv. El. = 5310.11
8" N. Inv. El. = 5310.63
8" S. Inv. El. = 5311.09 (8" Clay and Plugged)

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		See Sht. 2 for Bench Mark Datum		CONTRACTOR	
		NO.	BY			DATE	
		WORK DONE BY				DATE	
		INSPECTOR'S				DATE	
ACCEPTANCE BY		DATE		FIELD VERIFICATION BY		DATE	
DRAWINGS		DATE		CORRECTED BY		DATE	
MICRO-FILM INFORMATION		RECORDED BY		DATE		NO	
DESIGNED BY S.U.B.		DATE Nov. 1985					
DRAWN BY K.C.W.		DATE Nov. 1985					
CHECKED BY C.D.		DATE Nov. 1985					

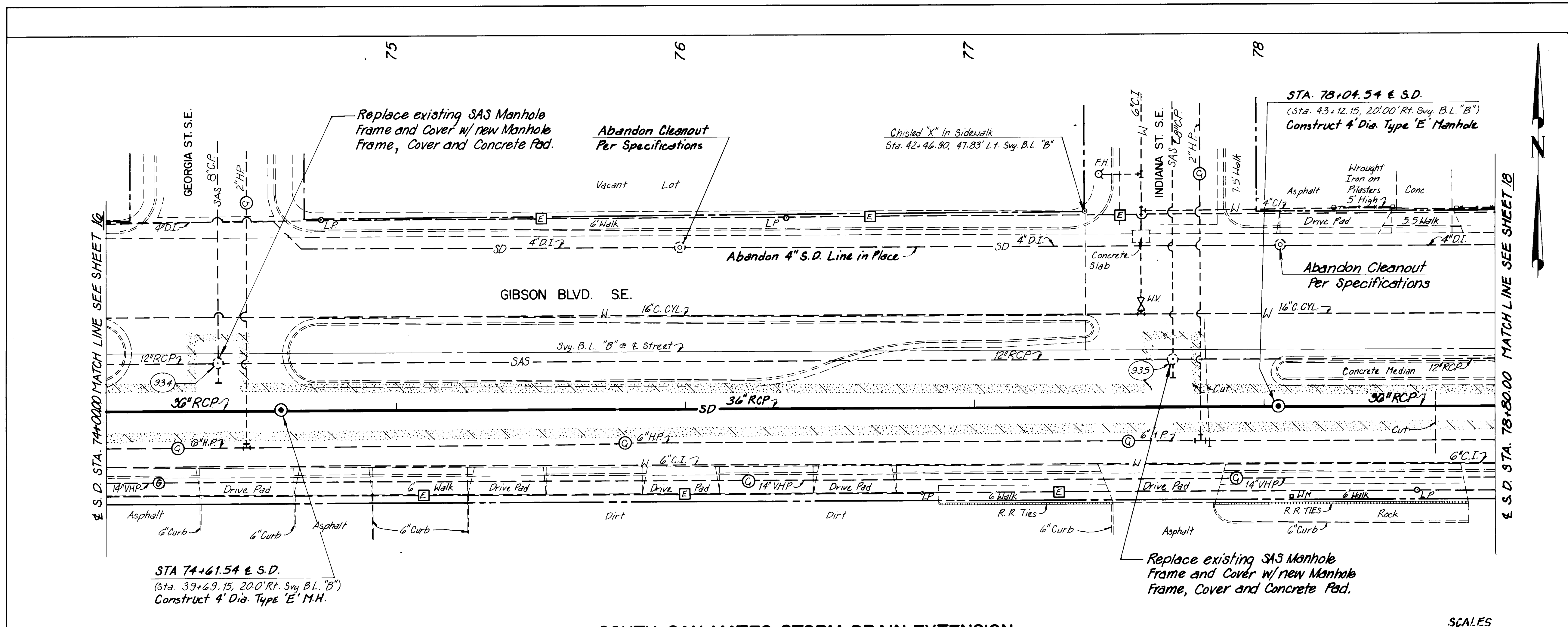
26 22851690

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III
STORM DRAIN PLAN AND PROFILE
GIBSON BLVD. S.E.
(STA 69+00 TO STA 74+00)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/15/85	Liquid Waste	<i>[Signature]</i>	11/22/85
P.E. - Design	<i>[Signature]</i>	11/22/85	Traffic	<i>[Signature]</i>	11/22/85
ACE - Hydrology	<i>[Signature]</i>	11/24/85	Water	<i>[Signature]</i>	11/22/85

DRAWING NO. **2285** MAP NO. **L-18S** SHEET **16** OF **27**

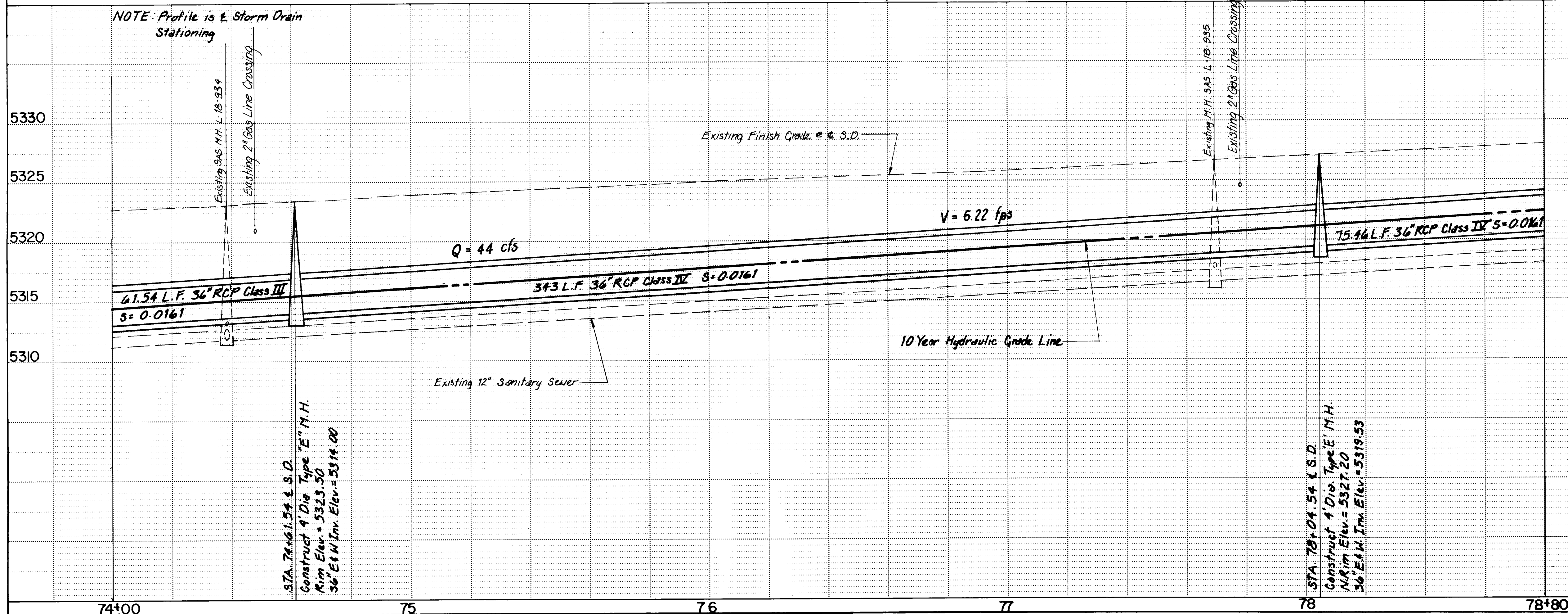


EXISTING MANHOLE DATA

SAS MH L-18-935
Sta. 42+76.70, 3.50' Rt. Svy. B.L. "B"
Exist. Rim Elev. = 26.82
12" E Inv. Elev. = 16.52
12" W Inv. Elev. = 16.49
8" N Inv. Elev. = 16.97
8" S Inv. Elev. = 17.58 (8" Clay & Dry)
SAS MH L-18-934
Sta. 39+47.00, Rt. Svy. B.L. "B"
Exist. Rim Elev. = 22.85
12" E Inv. Elev. = 12.51
12" W Inv. Elev. = 12.46
8" N Inv. Elev. = 12.93
8" S Inv. Elev. = 13.52 (8" Clay & Dry)

SOUTH SAN MATEO STORM DRAIN EXTENSION
(GIBSON BLVD. S.E.)

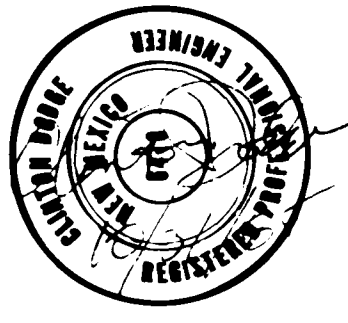
SCALES
1" = 20' Horizontal
1" = 5' Vertical



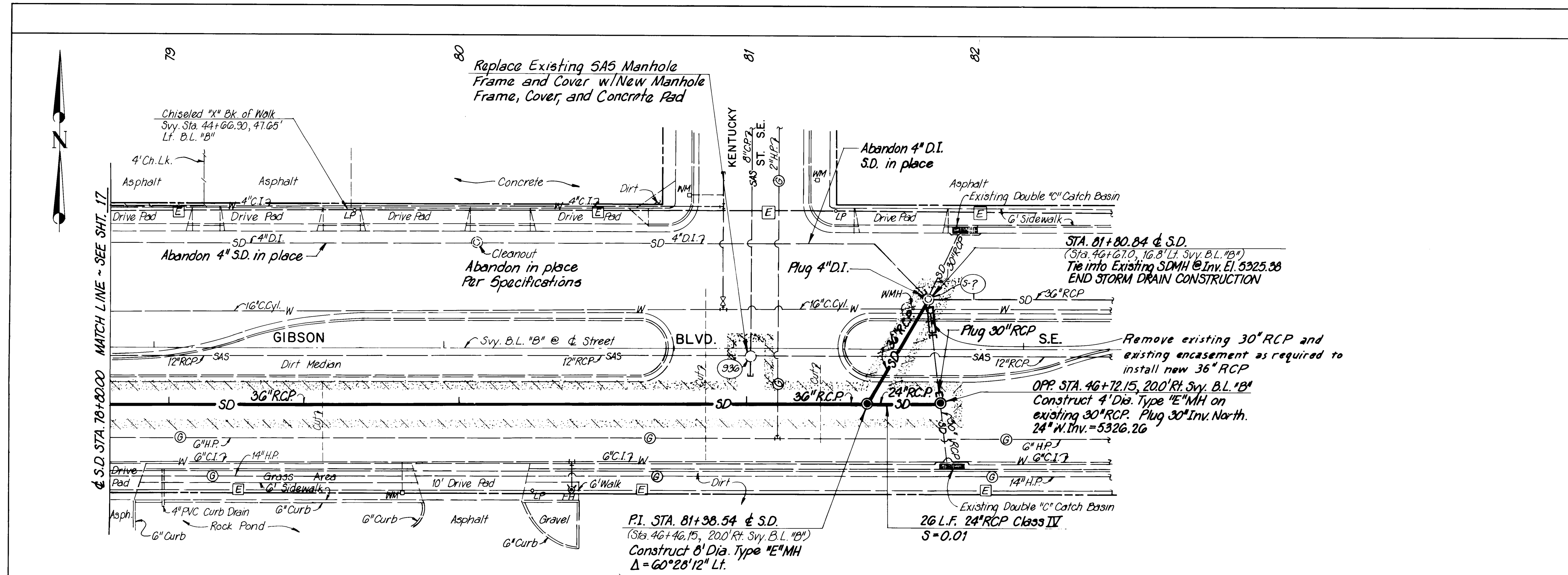
26 22851790

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III STORM DRAIN PLAN AND PROFILE GIBSON BLVD. S.E. (STA. 74+00 TO 78+00)					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	1/25/85	Liquid Waste	<i>[Signature]</i>	1/25/85
ACE - Design	<i>[Signature]</i>	1/22/85	Traffic	<i>[Signature]</i>	1/22/85
ACE - Hydrology	<i>[Signature]</i>	1/22/85	Water	<i>[Signature]</i>	1/22/85
DRAWING NO. 2285		MAP NO. L-8S		SHEET 17 OF 27	

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	CONTRACTOR	DATE	NO.	BY	NO.	BY
STARTED BY	DATE	STARTED BY	DATE	NO.	BY	NO.	BY
ACCEPTANCE BY	DATE	ACCEPTANCE BY	DATE	NO.	BY	NO.	BY
FIELD	DATE	FIELD	DATE	NO.	BY	NO.	BY
REVISION BY	DATE	REVISION BY	DATE	NO.	BY	NO.	BY
CHECKED BY	DATE	CHECKED BY	DATE	NO.	BY	NO.	BY
RECORDED BY	DATE	RECORDED BY	DATE	NO.	BY	NO.	BY

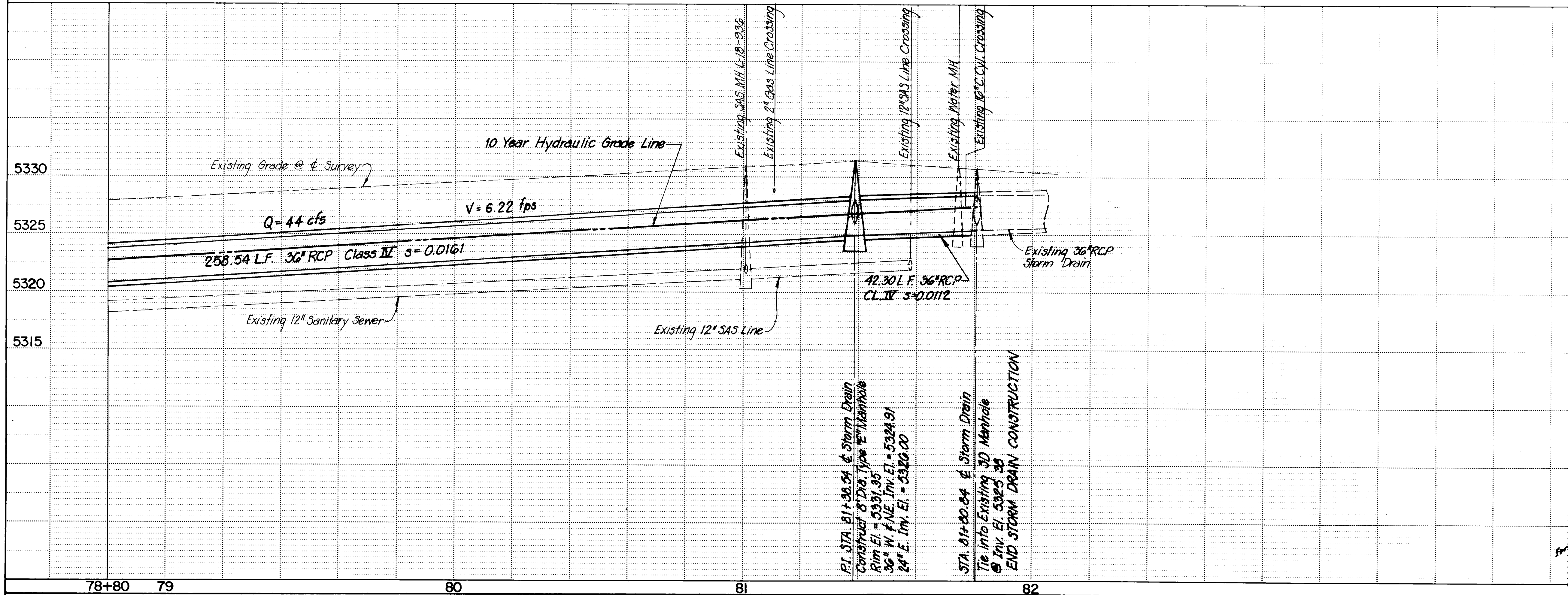


NO.	DATE	REVISIONS	BY
1	NOV 1985	DESIGN	
2	NOV 1985		
3	NOV 1985		



SOUTH SAN MATEO STORM DRAIN EXTENSION
(GIBSON BLVD. S.E.)

SCALES:
1" = 20' Horizontal
1" = 5' Vertical



EXISTING MANHOLE DATA

SAS MH L-18-936
(Sta. 46+05.60, 3.5' Rt. Svy. B.L. "B")
Existing Rim El. = 30.67
12" E. Inv. El. = 21.12
12" W. Inv. El. = 21.04
8" N. Inv. El. = 21.64
8" S. Inv. El. = 22.02 (8" clay & dry)

Water Manhole (Air & Vacuum Release Valve)
(Sta. 46+59.0, 12.7' Lt. Svy. B.L. "B")
Existing Rim El. = 31.03
Top of Valve El. = 28.03

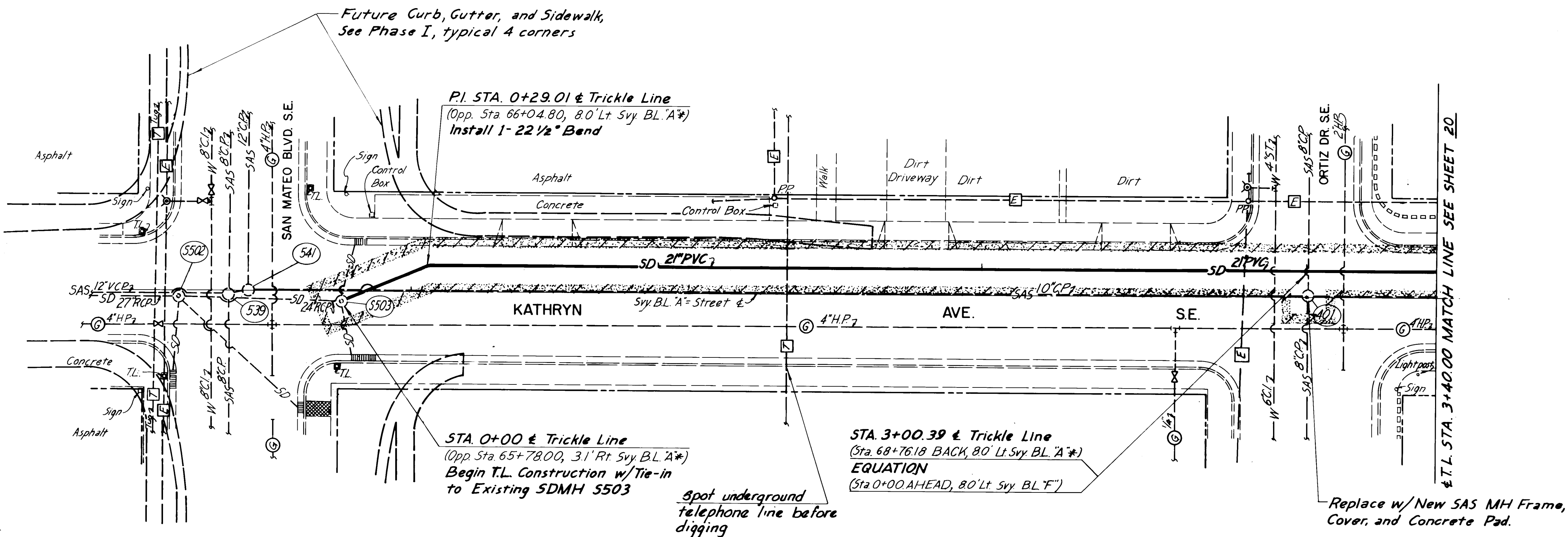
S.D. MH L-18-S-?
(Sta. 46+70.0, 16.8' Lt. Svy. B.L. "B")
Existing Rim El. = 31.11
36" E. Inv. El. = 25.39
30" S.E. Inv. El. = 25.45
30" N.E. Inv. El. = 25.87

CONTRACTOR INFORMATION				BENCH MARKS				SURVEY INFORMATION			
CONTRACTOR	DATE	INSPECTOR'S	DATE	See Sheet 2 for Bench Mark Datum	NO.	BY	DATE	FIELD NOTES	NO.	BY	DATE
VERIFIED BY	DATE	FILED BY	DATE								
CHECKED BY	DATE	RECORDED BY	DATE								



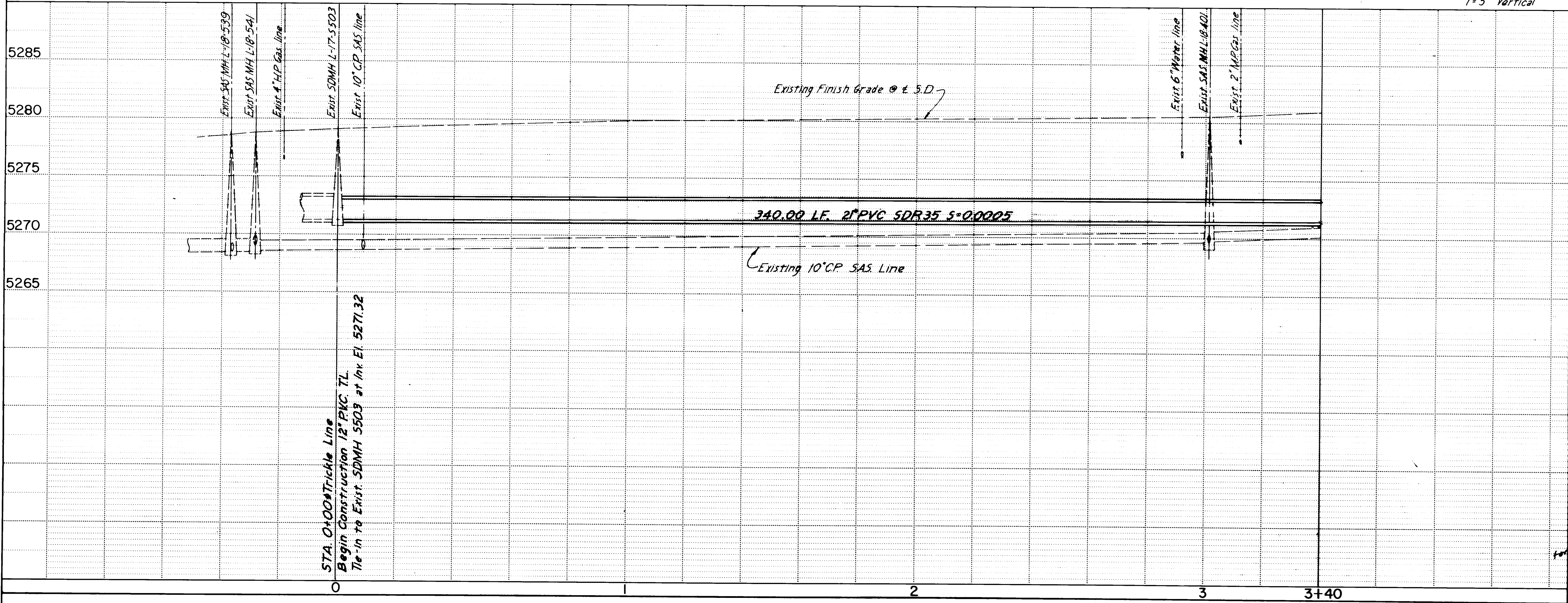
26 22851890

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION			
TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III STORM DRAIN PLAN AND PROFILE GIBSON BLVD. S.E. (STA. 78+80 TO STA. 81+80.84)			
APPROVALS	ENGINEER	DATE	APPROVALS
City Engineer	<i>[Signature]</i>	4/23/95	Liquid Waste
ACE - Design	<i>[Signature]</i>	4/23/95	Traffic
ACE - Hydrology	<i>[Signature]</i>	4/23/95	Water
ENGINEER	DATE	ENGINEER	DATE
<i>[Signature]</i>	4/23/95	<i>[Signature]</i>	4/23/95
DESIGNED BY S.U.B.		DATE Nov. 1995	
DRAWN BY P.A.P.		DATE Nov. 1995	
CHECKED BY C.D.		DATE Nov. 1995	
DRAWING NO.	2285	MAP NO.	L-18S
SHEET	18	OF	27



SOUTH SAN MATEO STORM DRAIN EXTENSION
12" TRICKLE LINE (KATHRYN AVE. SE.)

SCALES
 1"=20' Horizontal
 1"=5' Vertical



EXISTING MANHOLE DATA

SANITARY SEWER MANHOLES

SAS MH L-17-539
 Sta 65+44.40, 0.1' Rt. Svy. BL "A"
 Rim El. 78.48
 12" W. Inv. El. = 68.59
 12" E. Inv. El. = 68.64
 12" N. Inv. El. = 68.49

SAS MH L-17-541
 Sta 65+50.40, 0.2' Rt. Svy. BL "A"
 Rim El. = 78.55
 8" E. Inv. El. = 68.64
 12" W. Inv. El. = 68.64
 8" S. Inv. El. = 68.99
 8" N. Inv. El. = 68.98

SAS MH L-18-401
 Sta 0+00.90, 0.2' Rt. Svy. BL "F"
 Rim El. = 80.51
 10" E. Inv. El. = 69.71
 10" W. Inv. El. = 69.65
 8" S. Inv. El. = 69.91
 8" N. Inv. El. = 69.82

STORM DRAIN MANHOLES

SD MH L-17-5502
 Sta 65+29.40, 2.4' Rt. Svy. BL "A"
 Rim El. = 78.26
 Unable to open

SD MH L-17-5503
 Sta 65+78.00, 3.1' Rt. Svy. BL "A"
 Rim El. = 79.02
 24" W. Inv. El. = 71.32

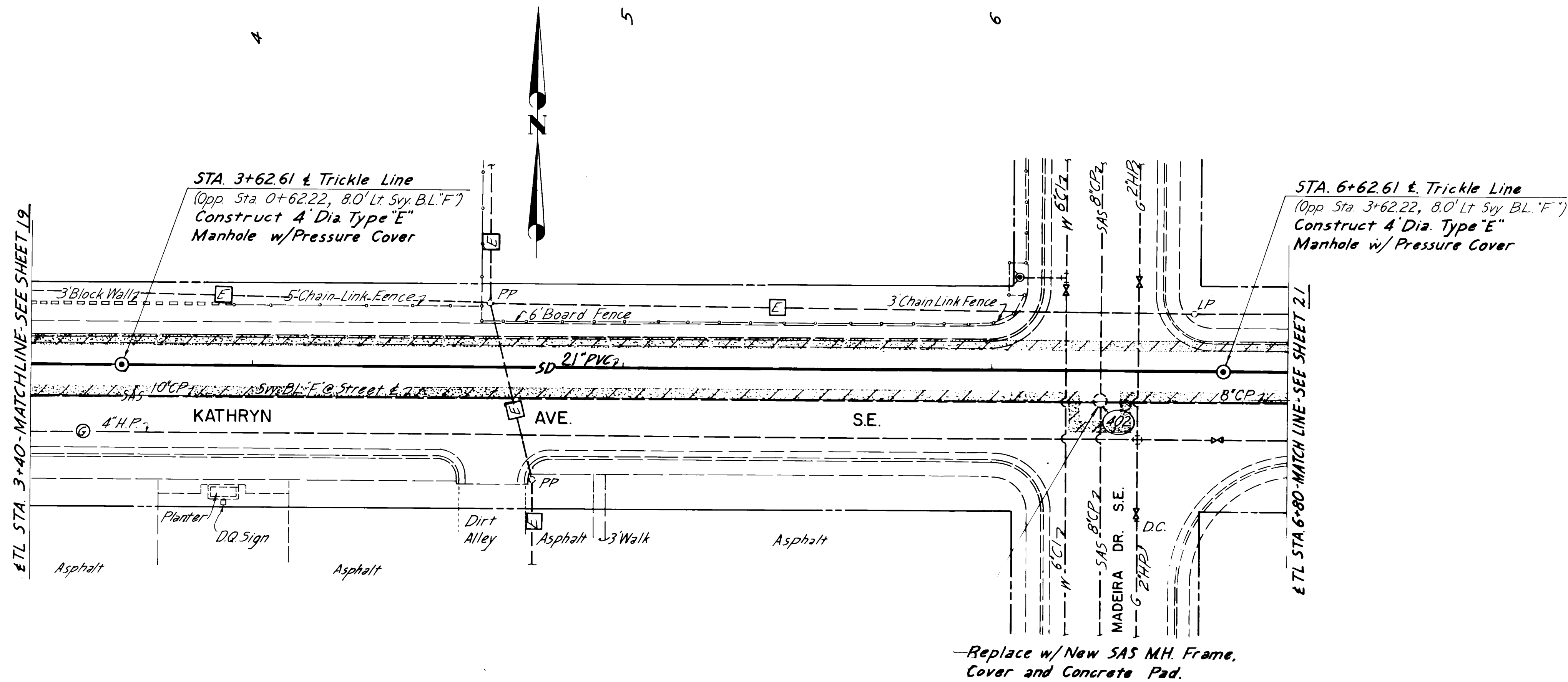
ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
	NO.	BY	DATE	See Sht. 2 for Bench Mark Datum	CONTRACTOR	DATE	NO.
	NO.	DATE	REVISIONS	BY	INSPECTOR'S	DATE	NO.
	NO.	DATE	DESIGN	BY	ACCEPTANCE BY	DATE	NO.
	NO.	DATE	CHECKED BY	CD	MICRO-FILM INFORMATION	DATE	NO.

CITY OF ALBUQUERQUE
 MUNICIPAL DEVELOPMENT DEPARTMENT
 ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION- PHASE III
STORM DRAIN PLAN AND PROFILE
KATHRYN AVE. S.E.
(STA 0+00 TO STA 3+40)

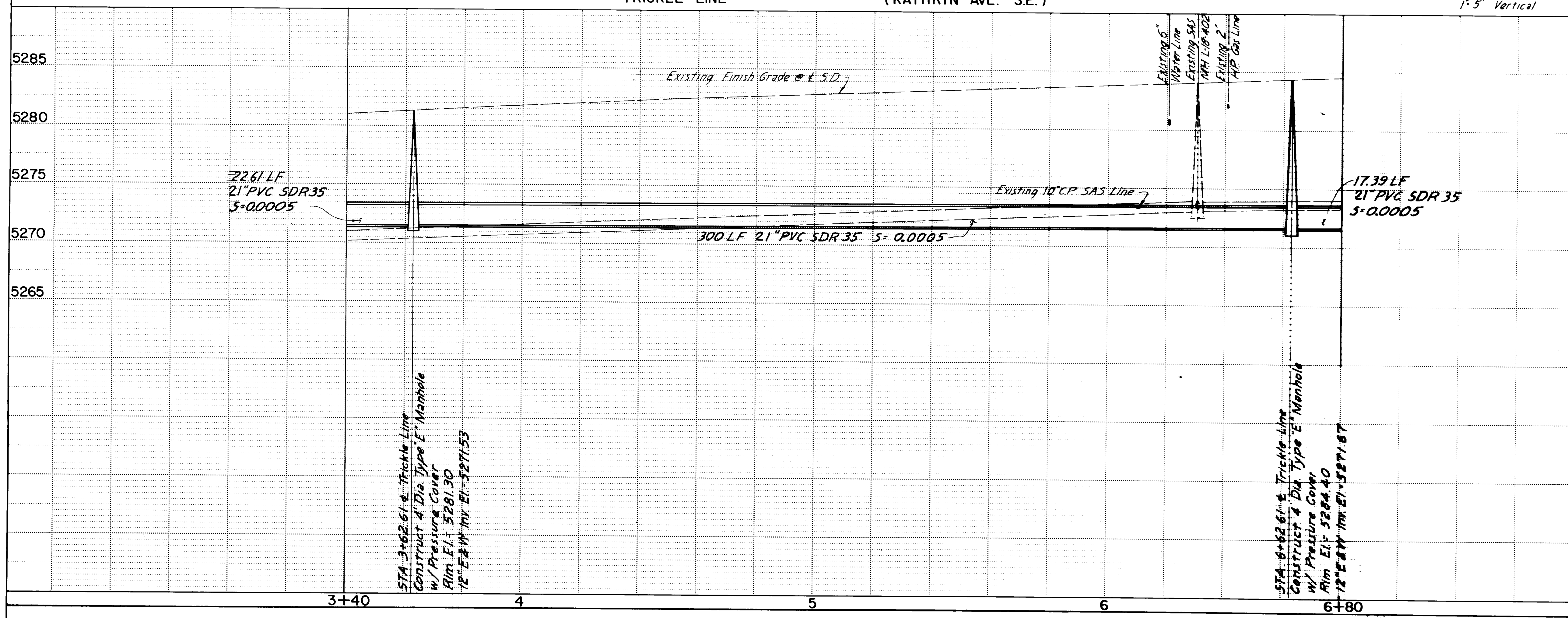
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/95	Liquid Waste	<i>[Signature]</i>	11/22/95
ACE - Design	<i>[Signature]</i>	11/22/95	Traffic	<i>[Signature]</i>	11/22/95
ACE - Hydrology	<i>[Signature]</i>	11/22/95	Water	<i>[Signature]</i>	11/22/95

DRAWING NO. **2285** MAP NO. **L-18S** SHEET **19** OF **27**



SOUTH SAN MATEO STORM DRAIN EXTENSION
TRICKLE LINE (KATHRYN AVE. S.E.)

SCALES
1"=20' Horizontal
1"=5' Vertical



EXISTING MANHOLE DATA

SAS MH L-18-402
Sta 3+29.50, 0.20' Rt & Svy BL'F"
Rim El = 83.93
8" E. Inv. El = 73.18
10" W. Inv. El = 73.13
8" N. Inv. El = 73.43
8" S. Inv. El = 73.99

ENGINEER'S SEAL		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
		FIELD NOTES		See Sht 2 for Bench Mark Datum			
		NO.	BY	DATE		CONTRACTOR	
						INSPECTOR'S	DATE
						FIELD	DATE
						VERIFICATION BY	DATE
						CORRECTED BY	DATE
						MICRO-FILM INFORMATION	
						RECORDED BY	DATE
						NO	

NO. DATE	REMARKS	BY	DESIGN	
			DESIGNED BY	SUB
			DRAWN BY	KHK
			CHECKED BY	CD
			DATE	Nov 1985
			DATE	Nov 1985
			DATE	Nov 1985

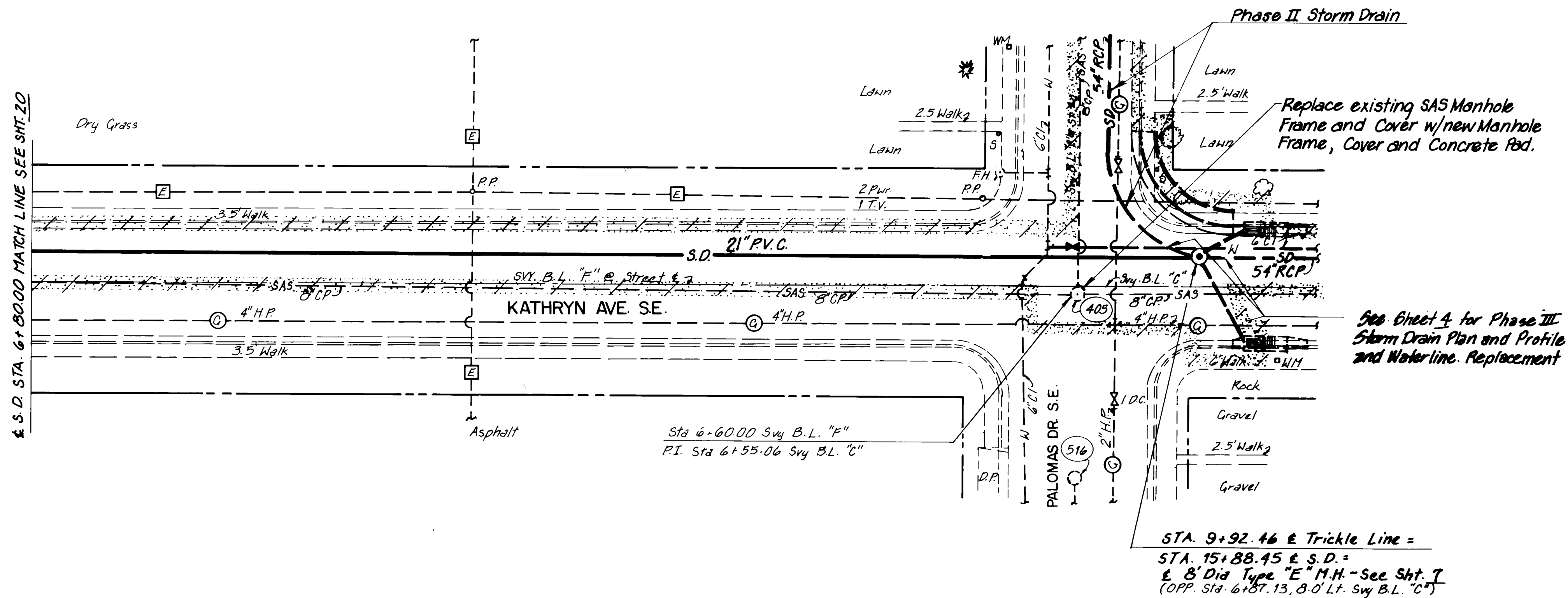
26 2285 2090

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III
STORM DRAIN PLAN AND PROFILE
KATHRYN AVE. S.E.
(STA 3+40 TO STA 6+80)

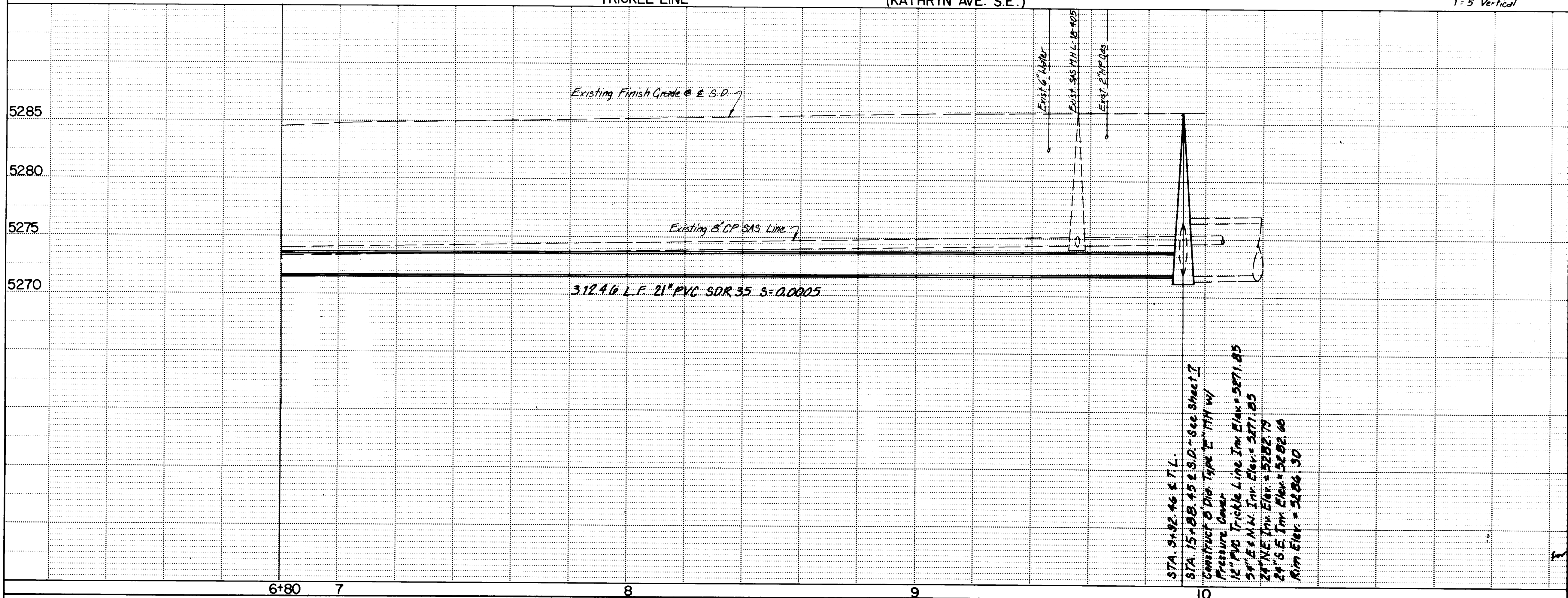
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/5/85	Liquid Waste	<i>[Signature]</i>	11/22/85
ACE-Design	<i>[Signature]</i>	11/21/85	Traffic	<i>[Signature]</i>	11/22/85
ACE-Hydrology	<i>[Signature]</i>	11/21/85	Water	<i>[Signature]</i>	11/22/85

DRAWING NO. **2285** MAP NO. **L-18S** SHEET **20** OF **27**



SOUTH SAN MATEO STORM DRAIN EXTENSION TRICKLE LINE (KATHRYN AVE. S.E.)

SCALES:
1" = 20' Horizontal
1" = 5' Vertical



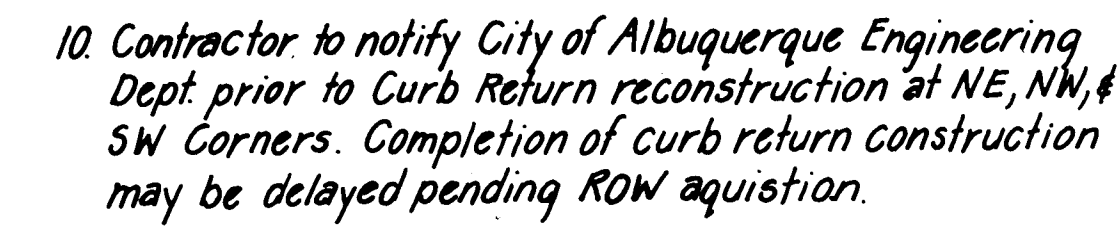
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CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III
STORM DRAIN PLAN AND PROFILE
KATHRYN AVE. S.E.
(STA. 6+80 TO STA. 9+92.46)

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/25/85	Liquid Waste	<i>[Signature]</i>	11/25/85
A.S.E. Design	<i>[Signature]</i>	11/25/85	Traffic	<i>[Signature]</i>	11/25/85
A.S.E. Hydrology	<i>[Signature]</i>	11/25/85	Water	<i>[Signature]</i>	11/25/85

DRAWING NO. 2285 MAP NO. L-18S SHEET 21 OF 27



See Sheets 7 & 8 for
Storm Drain, MH, Catch
Basin, Inlet Lines, and
New 6" Waterline.

PT. OPP. STA. 94+75.48, 75.98 Lt. Svy. B.L. "A"
End Construction Type I Handicap Ramp w/6" Header
Curb ~ Match existing Curb, Gutter & sidewalk
Construct Traffic Pull box @ back of curb

Construct Mastarm Foundation Type II in Sidewalk @ Back edge as shown

PC. OPP STA. 34+50.48, 40.98' Lt. Svy. B.L. "A"
Begin Construction Type I Handicap Ramp
w/ 6" Header Curb- Match Existing
Curb, Gutter and Sidewalk ~ See Note 9.

P.T. OPP. STA. 35+49.60, 15.98' Rt. Svy. B.L. "A"
End Construction Standard Curb and Gutter and
9.5' sidewalk. Match to existing driveway
P.C. OPP. STA. 35+39.62, 16.40' Rt. Svy. B.L. "A"
P.T. OPP. STA. 34+90.56, 17.58' Rt. Svy. B.L. "A"
P.C. OPP. STA. 34+86.58, 18.00' Rt. Svy. B.L. "A"
End Construction Type I Handicap Ramp w/ 6" Header Curb
Begin Construction Standard Curb and Gutter and 3.5' sidewalk
OPP. STA. 34+82.50, Svy. B.L. "A" - Construct Mastarm Foundation
Type II @ back edge of sidewalk

Remove and Replace Gravel Landscaping

P.C. OPP STA. 34+81.58, 49.00' Rt. Svy. B.L. "A" ~ Begin Construction Type I
Handicap Ramp w/6" Header Curb. Match existing curb, gutter and
sidewalk. Construct Traffic Pull Box @ back of sidewalk ~ See Note 9.

1. See Sheets 7 & 8 for Existing SAS
Manhole Data.

2. All Stationing and Offsets are to Face of Curb. Elevations are Flowline elevations.

3. Remove Curb and Gutter and sidewalk as shown @ all four returns.

4. Underground Utility Locations are approximate and have not been field verified.

5. Paving Section for new pavement areas shall be arterial section.

a. Remove existing signal bases, traffic controllers and pull boxes in intersection.

7. Existing concrete parking and drivepads @ South West corner of intersection shall be saw cut at edge of new construction.

3. Use Integral Sidewalk Header Curb where required due to existing grade.

9. Transition Sidewalk from existing width @ return to G' @ edge of Wheel Chair Ramp, if ROW is available. If sufficient ROW is not available, limit sidewalk width and Wheel Chair Ramp length (including G' Header Curb) to available ROW.

① $\Delta = 2^\circ - 51' - 45''$
 $R = 100.00'$
 $L = 5.00'$
 $T = 2.50'$

② $\Delta = 90^\circ$
 $R = 15.00'$
 $L = 23.56'$
 $T = 15.0'$

③ $\Delta = 90^\circ$
 $R = 10.00'$
 $L = 15.71'$
 $T = 10.00'$

(4) $\Delta = 90^\circ$
 $R = 25.00'$
 $L = 39.27'$
 $T = 25.00'$

(5) $\Delta = 4^\circ 51' 45''$
 $R = 117.76'$
 $L = 9.99'$
 $T = 5.00'$

(6) $\Delta = 4^\circ 34' 26''$
 $R = 125.20'$
 $L = 9.99'$
 $T = 5.00'$

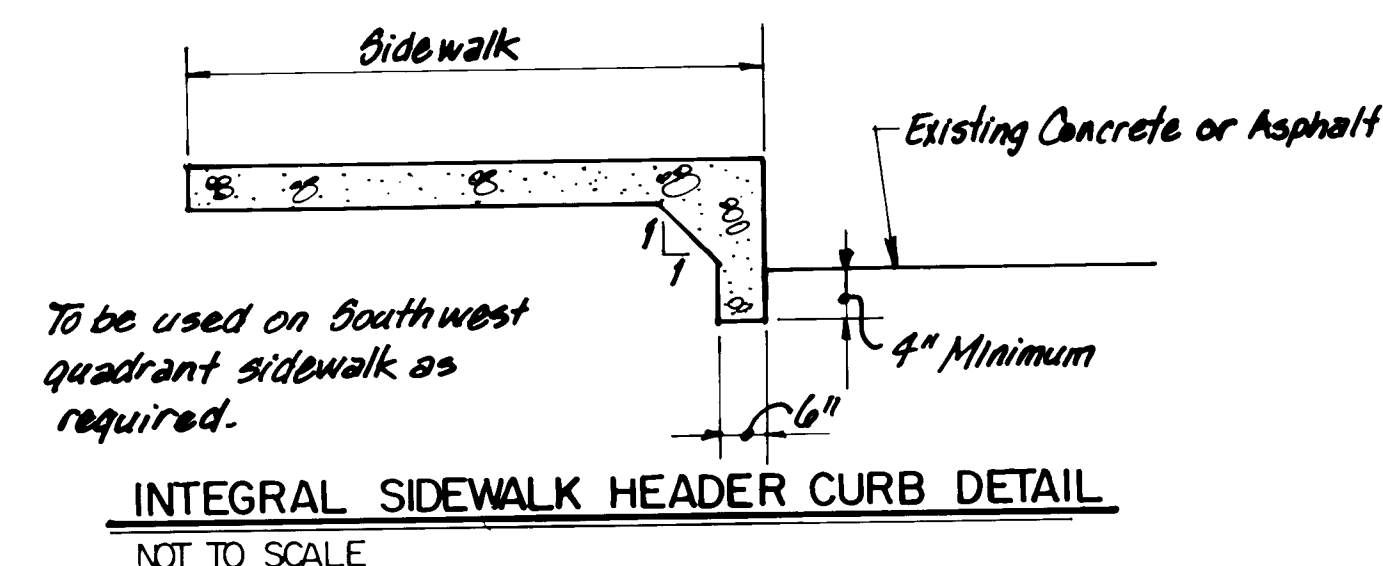
26 2285 2290

CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION-PHASE III
KATHRYN AVE. & SAN PEDRO BLVD. S.E.

	APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>B.K. Ghol</i>	<i>11/22/95</i>	Liquid Waste	<i>B.K. Ghol</i>	<i>11/22/95</i>	
A.C.E. Design	<i>John Ghol</i>	<i>11/22/95</i>	Traffic	<i>D.A. P. Rios</i>	<i>11/22/95</i>	
A.C.E. Hydrology	<i>New Man</i>	<i>11/22/95</i>	Water	<i>B.K. Ghol</i>	<i>11/22/95</i>	

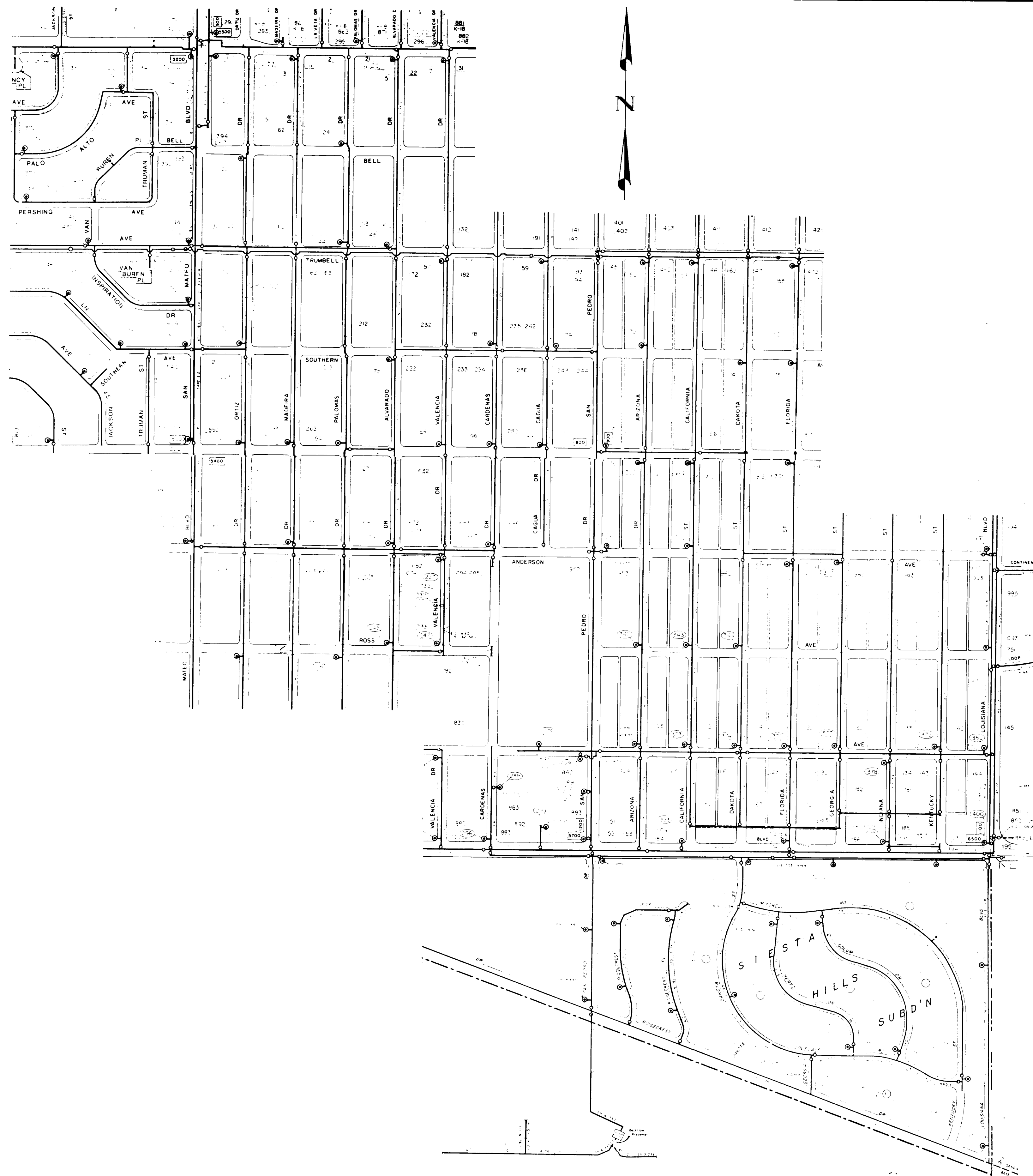
DRAWING NO. 2285	MAP NO. L-18	SHEET 22 OF 27
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No.	T.C.	F.L.
①	1.78	1.11
②	1.71	1.04
③	1.63	00.96

PAVING PLAN
SCALE: 1" = 20'

No.	T.C.	F.L.
①	2.08	1.41
②	2.10	1.43
③	2.11	1.44



26 22852390

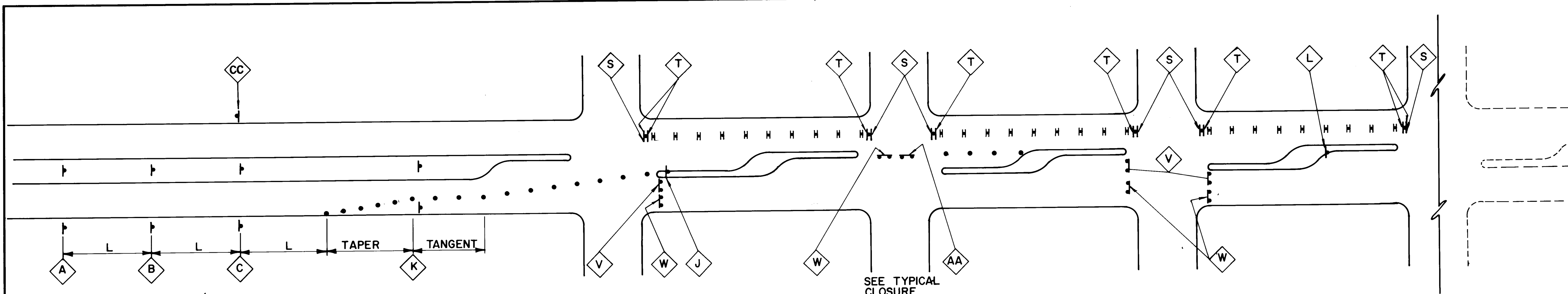
CITY OF ALBUQUERQUE
MUNICIPAL DEVELOPMENT DEPARTMENT
ENGINEERING DIVISION

TITLE: WATER VALVE SHUTOFF PLAN

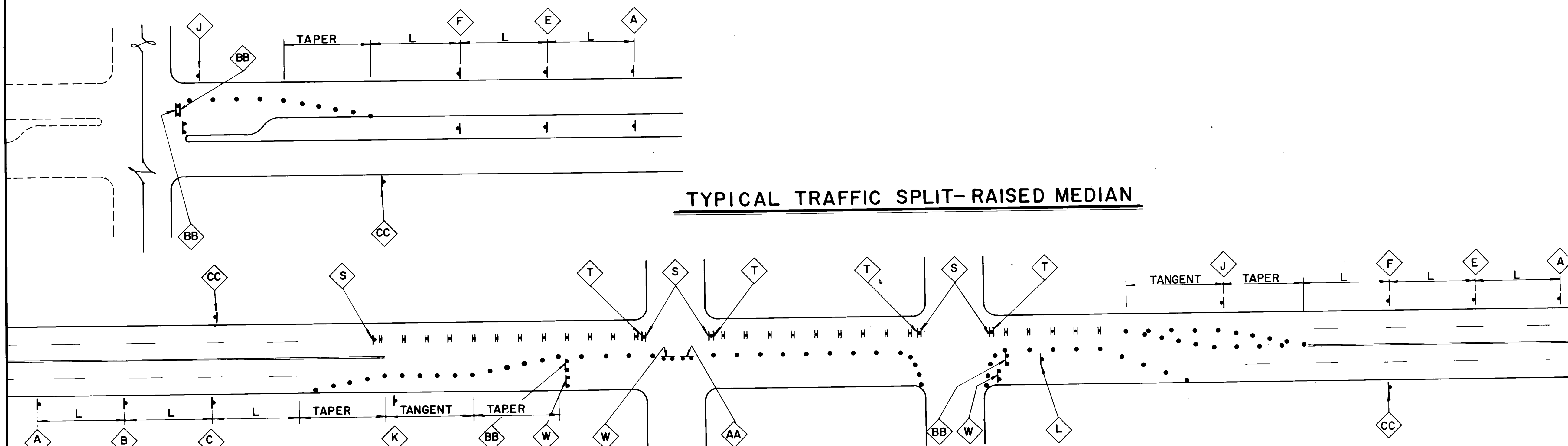
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>J. C. [Signature]</i>	11/25/85	Liquid Waste	<i>B. [Signature]</i>	11/22/85
A-E Design	<i>J. [Signature]</i>	11/22/85	Traffic	<i>N.A. [Signature]</i>	11/22/85
A-E-Hydrology	<i>W. [Signature]</i>	11/22/85	Water	<i>P. [Signature]</i>	11/22/85

DRAWING NO.	2285	MAP NO.	L-18	SHEET	23	OF	27
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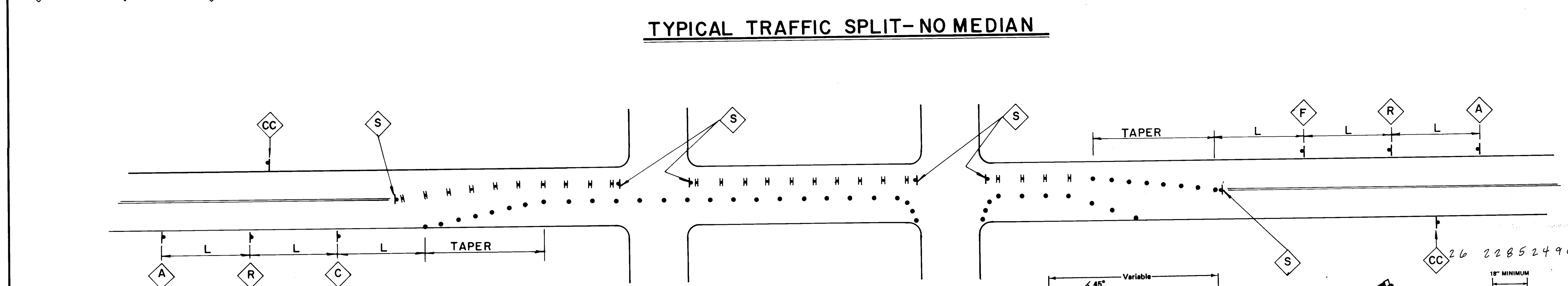
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TYPICAL TRAFFIC SPLIT-RAISED MEDIAN



TYPICAL TRAFFIC SPLIT-NO MEDIAN



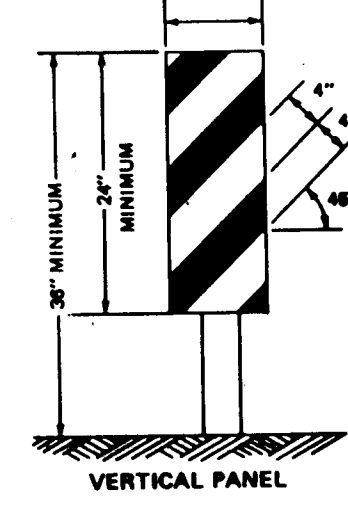
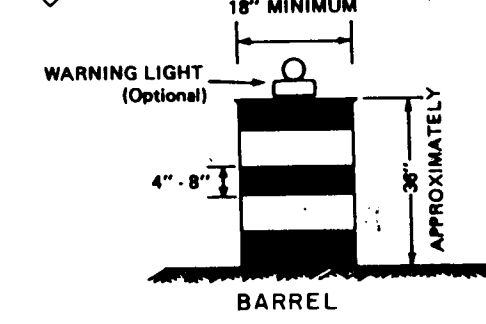
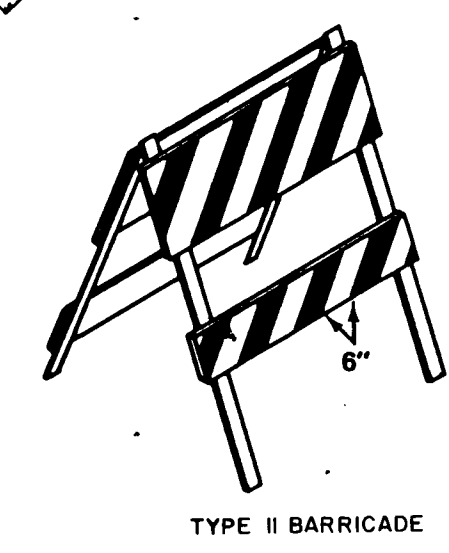
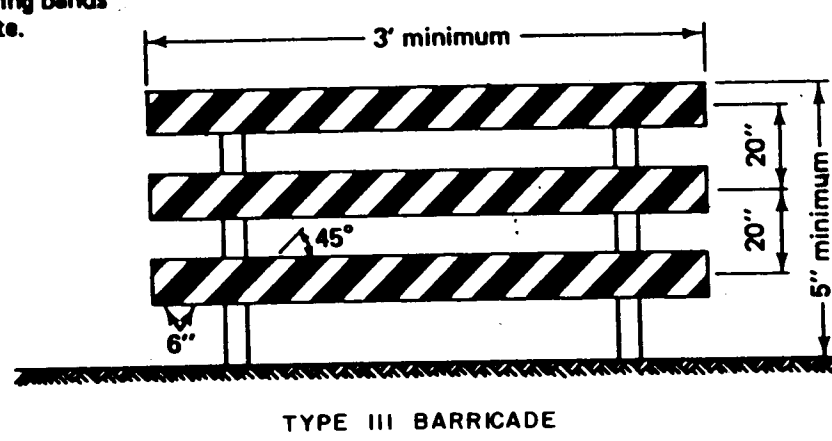
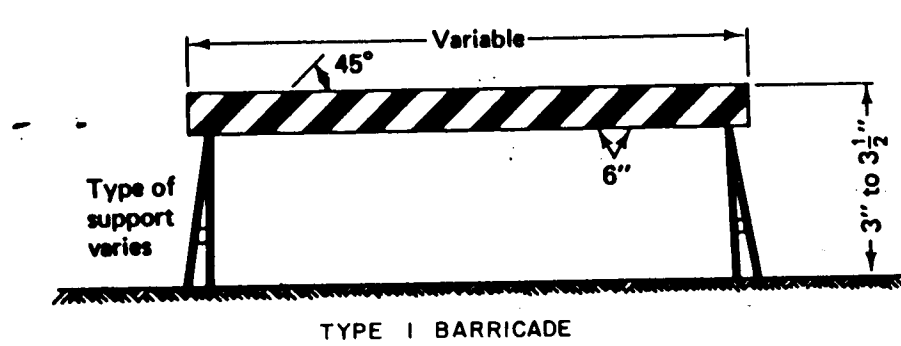
TYPICAL SHOE FLY SPLIT

NOTE: SEE SHEET 27 FOR GENERAL TRAFFIC NOTES

SPEED LIMIT (M.P.H.)	TAPER LENGTH (FEET)			MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
	10 FOOT LANE	11 FOOT LANE	12 FOOT LANE		
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

LEGEND

- ... BARRICADE - TYPE I, TYPE II, OR A BARREL
- SIGN
- VERTICAL PANEL
- BARRICADE - TYPE III
- L DISTANCE BETWEEN ADVANCE SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO TEN TIMES THE SPEED LIMIT
- S SPACING BETWEEN BARRICADES - MAXIMUM SPACING TO BE A VALUE MEASURED IN FEET EQUAL TO THE SPEED LIMIT
- T TANGENT - TANGENT LENGTH = TAPER LENGTH (SEE CHART)



TYPICAL BARRICADES

ROAD CONSTRUCTION AHEAD

W20-1

A

RIGHT LANE CLOSED AHEAD

W20-SR

B

ONE LANE ROAD AHEAD

W20-SLL

G

TWO LEFT LANES CLOSED AHEAD

W20-SLL

J

CENTER LANE CLOSED AHEAD

W20-SC

M

DETOUR AHEAD

W20-2

P

KEEP RIGHT

W8-7e

S

DETOUR

M4-10R

V

ROAD CLOSED TO THRU TRAFFIC

R11-4

X

DETOUR

M4-9L

Z

RIGHT LANE CLOSED AHEAD

W20-SR

B

LEFT LANE CLOSED AHEAD

W20-SL

E

ONE LANE ROAD AHEAD

W20-4

H

TWO LEFT LANES CLOSED AHEAD

W20-SLL

J

CENTER LANE CLOSED AHEAD

W20-SC

M

DETOUR AHEAD

W20-2

P

KEEP RIGHT

W8-7e

S

DETOUR

M4-10R

V

ROAD CLOSED TO THRU TRAFFIC

R11-4

X

DETOUR

M4-9L

Z

ROAD CONSTRUCTION AHEAD

W4-2R

C

ONE LANE ROAD AHEAD

W4-2L

F

DETOUR

W1-4R

L

ROAD CLOSED AHEAD

W20-3

O

DETOUR

W1-7

AA

END CONSTRUCTION

W1-6

BB

FLAGMEN

CC

DD

AS BUILT INFORMATION

CONTRACTOR

DATE

BENCH MARKS

SEE SHEET 2 FOR BENCH MARK

DATE

SURVEY INFORMATION

FIELD NOTES

DATE

ENGINEER'S SEAL

NO.

DATE

REMARKS

REVISIONS

DESIGN

NO.

DATE

DESIGNED BY

DRAWN BY

CHECKED BY

CITY OF ALBUQUERQUE

MUNICIPAL DEVELOPMENT DEPARTMENT

ENGINEERING DIVISION

TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION- PHASE III

TRAFFIC CONTROL PLAN

APPROVALS

ENGINEER

DATE

APPROVALS

ENGINEER

DATE

City Engineer

11/25/85

Liquid Waste

11/25/85

AGE Design

11/22/85

Traffic

11/22/85

AGE Hydrology

11/22/85

Water

11/22/85

DRAWING NO.

2285

MAP NO.

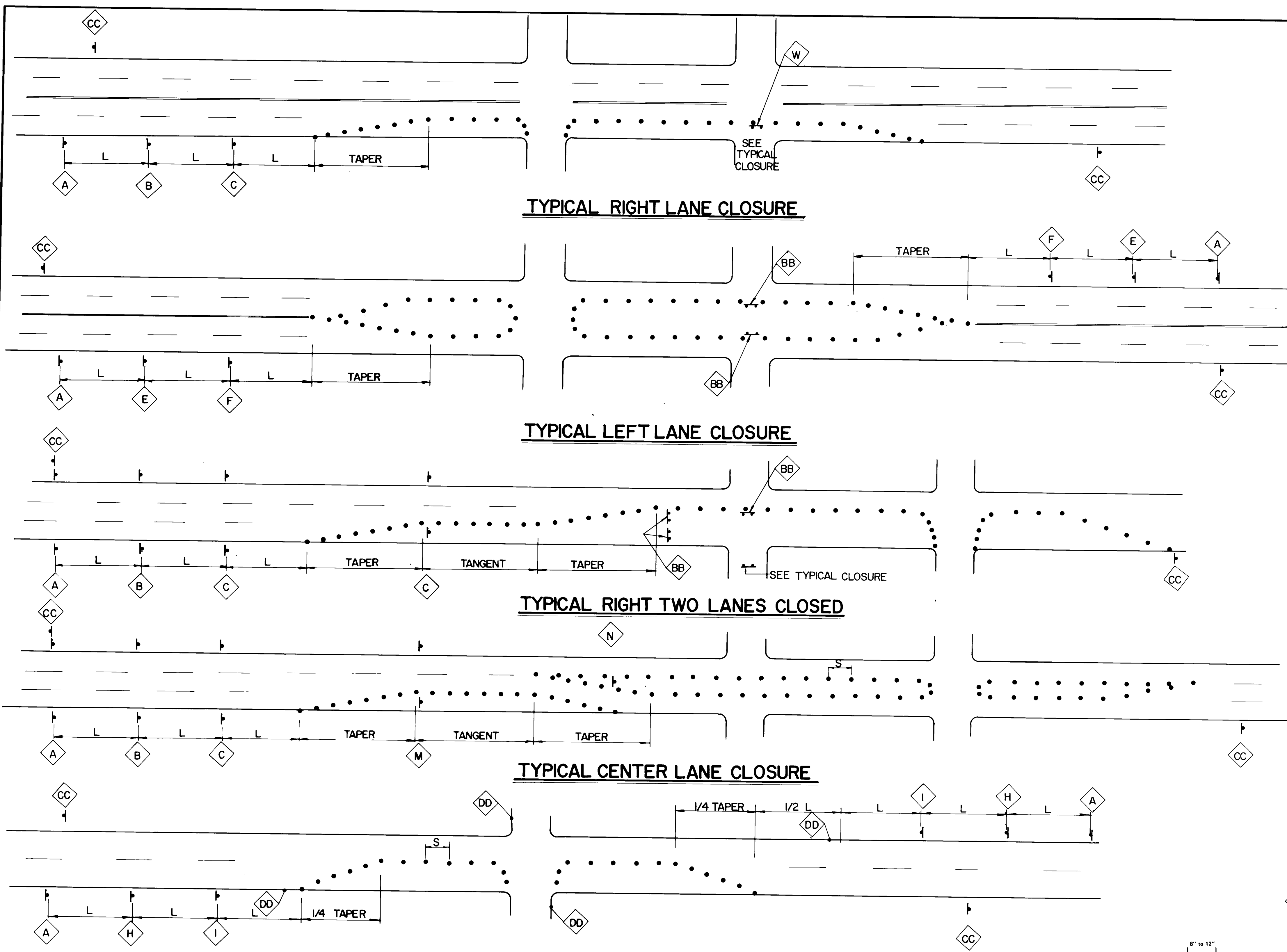
L-18S

SHEET

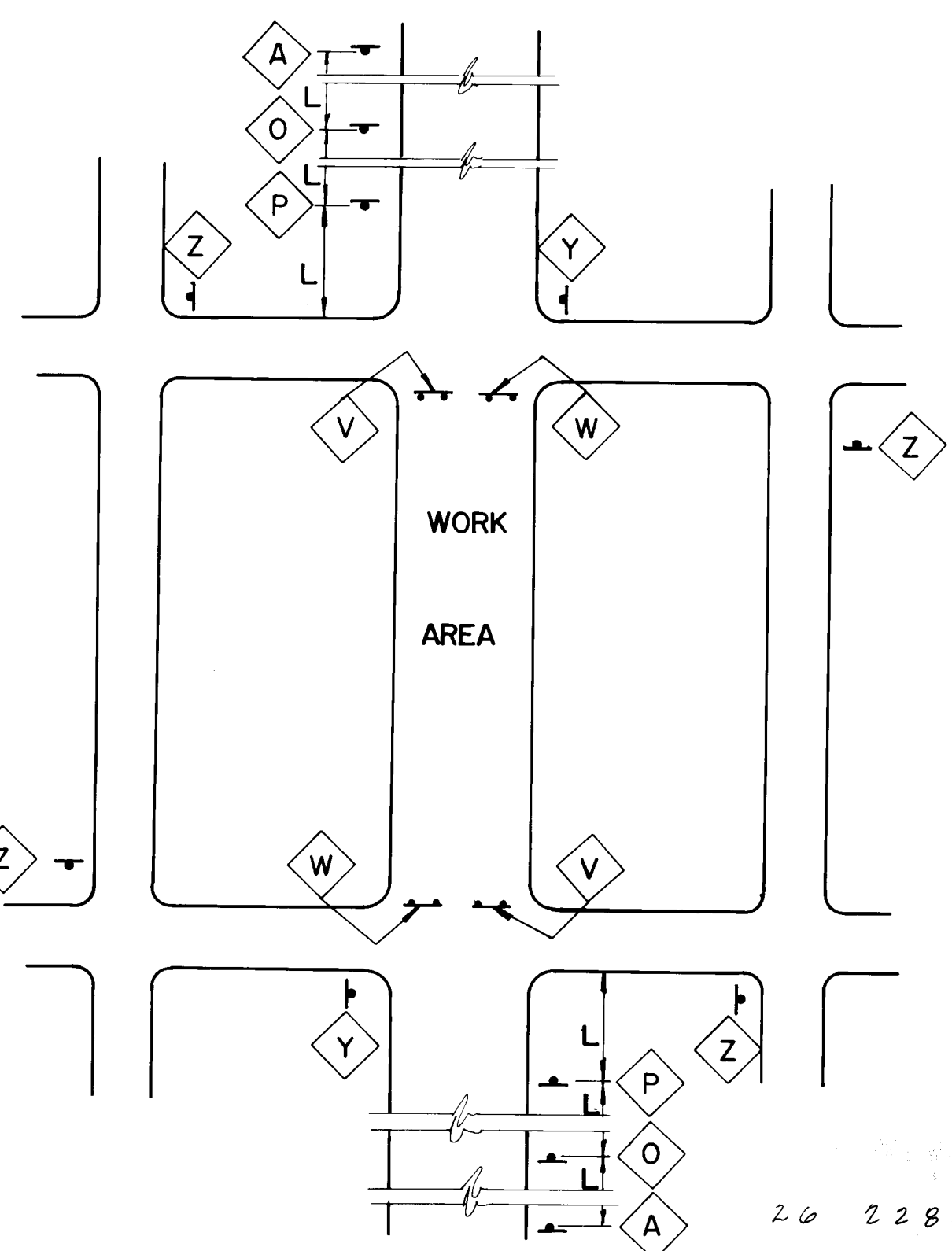
24

OF

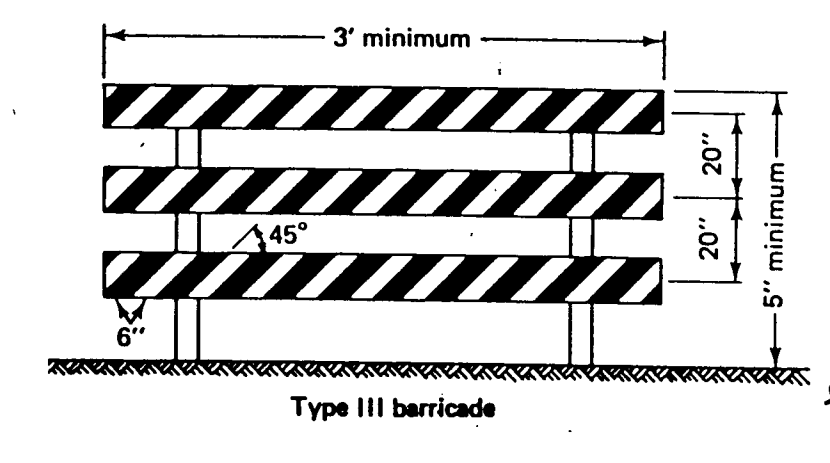
27



TYPICAL STREET CLOSURE MID BLOCK MINOR STREET ONLY



TYPICAL STREET CLOSURE MINOR STREET ONLY



TYPICAL BARRICADES

NOTE: FOR SIGN IDENTIFICATION
SEE SHEET 24
SEE SHEET 27 FOR GENERAL TRAFFIC
NOTES

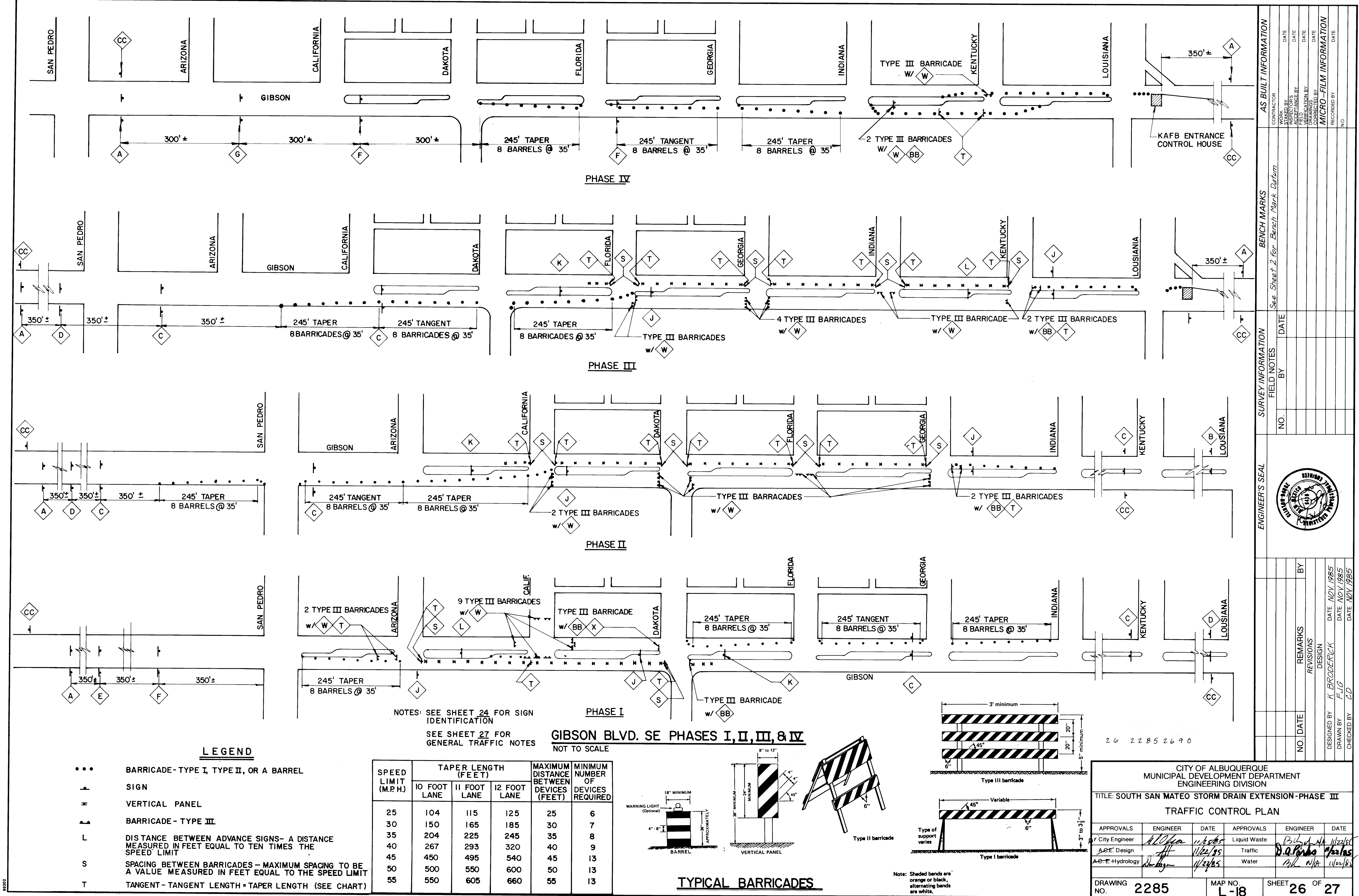
SPEED LIMIT (M.P.H.)	TAPER LENGTH (FEET)			MAXIMUM DISTANCE BETWEEN DEVICES (FEET)	MINIMUM NUMBER OF DEVICES REQUIRED
	10 FOOT LANE	11 FOOT LANE	12 FOOT LANE		
25	104	115	125	25	6
30	150	165	185	30	7
35	204	225	245	35	8
40	267	293	320	40	9
45	450	495	540	45	13
50	500	550	600	50	13
55	550	605	660	55	13

LEGEND

- • • BARRICADE - TYPE I, TYPE II, OR A BARREL
- SIGN
- VERTICAL PANEL
- BARRICADE - TYPE III
- L DISTANCE BETWEEN ADVANCE SIGNS - A DISTANCE MEASURED IN FEET EQUAL TO TEN TIMES THE SPEED LIMIT
- S SPACING BETWEEN BARRICADES - MAXIMUM SPACING TO BE A VALUE MEASURED IN FEET EQUAL TO THE SPEED LIMIT
- T TANGENT - TANGENT LENGTH = TAPER LENGTH (SEE CHART)

Note: Shaded bands are orange or black, alternating bands are white.

AS BUILT INFORMATION			
CONTRACTOR	DATE	INSPECTOR	DATE
WORK STARTED BY	DATE	FIELD ENGINEER	DATE
WORKS PERFORMED BY	DATE	REVISIONS	DATE
DESIGNED BY	DATE	CHECKED BY	DATE
DRAWN BY	DATE	RECORDED BY	DATE
MICRO-FILM INFORMATION			
NO.	DATE	NO.	DATE
BENCH MARKS			
See Sheet 2 For Bench Mark Datum			
SURVEY INFORMATION			
FIELD NOTES	DATE	BY	
NO.			
ENGINEER'S SEAL			
NO.	DATE	REMARKS	BY
DESIGNED BY	DATE	NOV 1985	
DRAWN BY	DATE	NOV 1985	
CHECKED BY	DATE	NOV 1985	
CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION- PHASE III TRAFFIC CONTROL PLAN			
APPROVALS	ENGINEER	DATE	ENGINEER
City Engineer	11/22/85	11/22/85	11/22/85
A.G.E. Design	11/22/85	11/22/85	11/22/85
A.G.E. Hydrology	11/22/85	11/22/85	11/22/85
DRAWING NO. 2285		MAP NO. L-18	SHEET 25 OF 27



AS BUILT INFORMATION		
CONTRACTOR	WORK	DATE
STAKER	DATE	DATE
FIELD	DATE	DATE
ACCEPTANCE BY	DATE	DATE
REVISIONS	DATE	DATE
CORRECTED BY	DATE	DATE
MICRO-FILM INFORMATION		
RECORDED BY	DATE	NO.

BENCH MARKS		
See Sheet 2 for Bench Mark Datum		

SURVEY INFORMATION		
NO.	DATE	BY
FIELD NOTES		

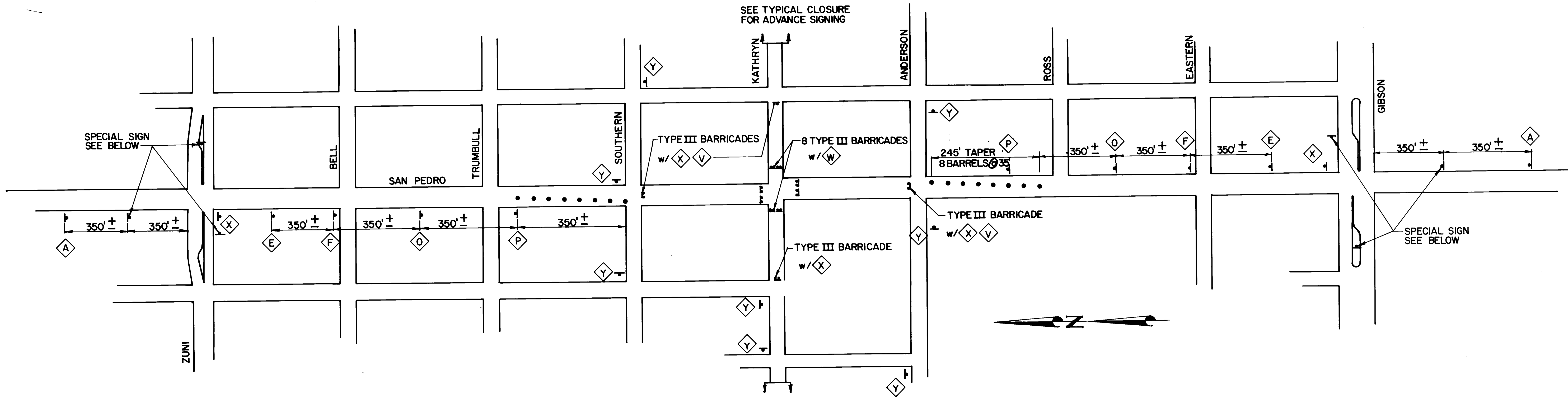
ENGINEER'S SEAL		

REVISIONS		
NO.	DATE	REMARKS
1	NOV 1985	DESIGN
2	NOV 1985	DESIGN
3	NOV 1985	DESIGN

DESIGNED BY	K. BRODERICK	DATE	NOV 1985
DRAWN BY	F.J.G.	DATE	NOV 1985
CHECKED BY	C.D.	DATE	NOV 1985

26 2285 26 90

CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
TITLE: SOUTH SAN MATEO STORM DRAIN EXTENSION - PHASE III					
TRAFFIC CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	<i>[Signature]</i>	11/22/85	Liquid Waste	<i>[Signature]</i>	11/22/85
A-E Design	<i>[Signature]</i>	11/22/85	Traffic	<i>[Signature]</i>	11/22/85
A-E Hydrology	<i>[Signature]</i>	11/22/85	Water	<i>[Signature]</i>	11/22/85
DRAWING NO. 2285		MAP NO. L-18		SHEET 26 OF 27	



6 SPECIAL SIGNS REQUIRED TO BE INSTALLED PRIOR TO CLOSURE - SPECIAL SIGNS ARE TO HAVE 5" BLACK LETTERS ON A ORANGE BACKGROUND AND READ! "SAN PEDRO CLOSED AT KATHRYN"

GENERAL TRAFFIC NOTES

- CONTRACTOR MUST COMPLY WITH SECTION 19 OF THE CITY OF ALBUQUERQUE'S INTERIM STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT TO THE TRAFFIC ENGINEER A DETAILED CONSTRUCTION SEQUENCE INDICATING WHEN EACH SECTION OF ROADWAY IS TO BE AFFECTED BY CONSTRUCTION.
- THE CONTRACTOR MUST OBTAIN A BARRICADEING PERMIT FROM THE TRAFFIC ENGINEERING OFFICE 2 DAYS PRIOR TO EACH PHASE OF CONSTRUCTION.
- ALL ADVANCE LOCATIONS AND SIGN LOCATIONS WILL BE SELECTED IN THE FIELD AND APPROVED BY THE PROJECT ENGINEER.
- A MINIMUM OF 11 FEET SHALL BE PROVIDED FOR TRAFFIC IN ONE DIRECTION.
- EQUIPMENT AND MATERIALS ARE NOT TO BE STORED WITHIN THE STREET RIGHT-OF-WAY DURING NON-WORKING HOURS, OR WITHIN 15 FEET OF A TRAFFIC LANE.
- CONTRACTOR SHALL COORDINATE WITH TRAFFIC ENGINEERING OFFICE TO PROVIDE ACCESS SIGNS FOR BUSINESSES AFFECTED BY CONSTRUCTION.

KATHRYN AVE. NOTES

INSTALLATION OF THE STORM DRAIN LINE IN KATHRYN SHALL BE ACCOMPLISHED IN FIVE PHASES.

PHASE 1. KATHRYN MAY BE CLOSED BETWEEN SAN MATEO AND MADEIRA WITH WEST BOUND TRAFFIC BEING DETOURED AT PALOMAS AND EAST BOUND TRAFFIC BEING DETOURED AT TRUMAN. SEE TYPICAL CLOSURE. ACCESS MUST BE MAINTAINED TO ALL RESIDENTS AND BUSINESSES AT ALL TIMES. AN ESTIMATED FOUR ACCESS SIGNS WILL BE REQUIRED DURING THIS PHASE.

PHASE 2. KATHRYN MAY BE CLOSED BETWEEN VALENCIA AND PALOMAS WITH WEST BOUND TRAFFIC BEING DETOURED AT CARDENAS AND EAST BOUND TRAFFIC BEING DETOURED AT MADIERA. SEE TYPICAL CLOSURE. ACCESS MUST BE MAINTAINED TO ALL BUSINESSES AND RESIDENTS AT ALL TIMES. AN ESTIMATED 6 ACCESS SIGNS WILL BE REQUIRED DURING THIS PHASE.

PHASE 3. KATHRYN MAY BE CLOSED BETWEEN SAN PEDRO AND CARDENAS WITH EAST BOUND TRAFFIC BEING DETOURED AT VALENCIA AND WEST BOUND TRAFFIC BEING DETOURED AT SAN PEDRO. SEE TYPICAL CLOSURE. ACCESS MUST BE MAINTAINED TO ALL BUSINESSES AND RESIDENTS AT ALL TIMES. AN ESTIMATED 6 ACCESS SIGNS WILL BE REQUIRED DURING THIS PHASE.

PHASE 4. SAN PEDRO MAY BE CLOSED AS SHOWN (SHEET 27) AT KATHRYN ON A WEEKEND IN ORDER TO CROSS SAN PEDRO WITH THE STORM DRAIN LINE. SAN PEDRO MAY BE CLOSED FOR A MAXIMUM OF 3 DAYS. THE CONTRACTOR SHALL CONDUCT HIS OPERATIONS

SUCH AS TO INSURE THAT SAN PEDRO TRAFFIC WILL NOT BE DETOURED FOR MORE THAN THE ALLOTTED THREE DAYS. THIS SHALL INCLUDE, BUT NOT BE LIMITED TO, WORKING DOUBLE SHIFTS. ACCESS MUST BE MAINTAINED TO ALL BUSINESS DURING THE CLOSURE. AN ESTIMATED 4 ACCESS SIGNS WILL BE REQUIRED DURING THIS PHASE.

PHASE 5. KATHRYN MAY BE CLOSED BETWEEN CALIFORNIA AND SAN PEDRO. SEE TYPICAL CLOSURE. SAN PEDRO TRAFFIC MAY BE SPLIT TO THE EAST SIDE OF THE STREET IN ORDER TO INCREASE THE WORK AREA.

GIBSON BLVD. NOTES

THE INSTALLATION OF THE STORM DRAIN LINE IN GIBSON BLVD. SHALL BE ACCOMPLISHED IN 4 PHASES. EACH PHASE IS TO BE COMPLETED WITH THE ROADWAY AFFECTED BY CONSTRUCTION HAVING BEEN PAVED PRIOR TO MOVING ONTO THE NEXT PHASE (SEE SHEET 26).

PHASE 1. WEST BOUND GIBSON TRAFFIC MAY BE SPLIT ONTO THE EAST BOUND LANES OF GIBSON AT DAKOTA AND RETURNED AT ARIZONA IN ORDER TO CROSS THE WEST BOUND LANES OF GIBSON WITH THE STORM DRAIN LINE. THE CONTRACTOR SHALL LIMIT HIS OPERATION ON CALIFORNIA DURING THIS PHASE IN ORDER TO MAINTAIN MAXIMUM ACCESS TO BUSINESSES IN THE AREA. AN ESTIMATED 6 ACCESS SIGNS WILL BE REQUIRED DURING THIS PHASE.

PHASE 2. EAST BOUND GIBSON TRAFFIC MAY BE SPLIT ONTO THE WESTBOUND LANES OF GIBSON AS SHOWN AT CALIFORNIA AND RETURNED AT GEORGIA. ACCESS MUST BE MAINTAINED TO ALL BUSINESSES ON THE SOUTH SIDE OF GIBSON AT ALL TIMES. AN ESTIMATED 4 ADDITIONAL ACCESS SIGNS WILL BE REQUIRED DURING THIS PHASE.

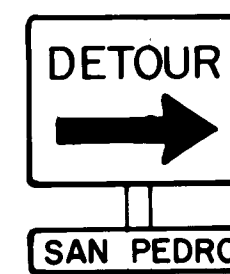
PHASE 3. THE EAST BOUND SPLIT ON GIBSON MAY BE RELOCATED SO THAT EAST BOUND TRAFFIC IS DETOURED AT FLORIDA AND RETURNED AT KENTUCKY. ACCESS MUST BE MAINTAINED TO ALL BUSINESSES ON THE SOUTH SIDE OF GIBSON AT ALL TIMES. AN ESTIMATED 4 ACCESS SIGNS WILL BE REQUIRED DURING THIS PHASE.

PHASE 4. THE TIE-IN AND INSTALLATION OF THE MANHOLES AT KENTUCKY IS TO BE ACCOMPLISHED BY CLOSING THE TWO LEFT LANES EAST BOUND, MAINTAINING ONE LANE ON THE PROPER SIDE OF THE MEDIAN EAST BOUND AT ALL TIMES. A LANE WEST BOUND MAY BE BLOCKED AS REQUIRED.

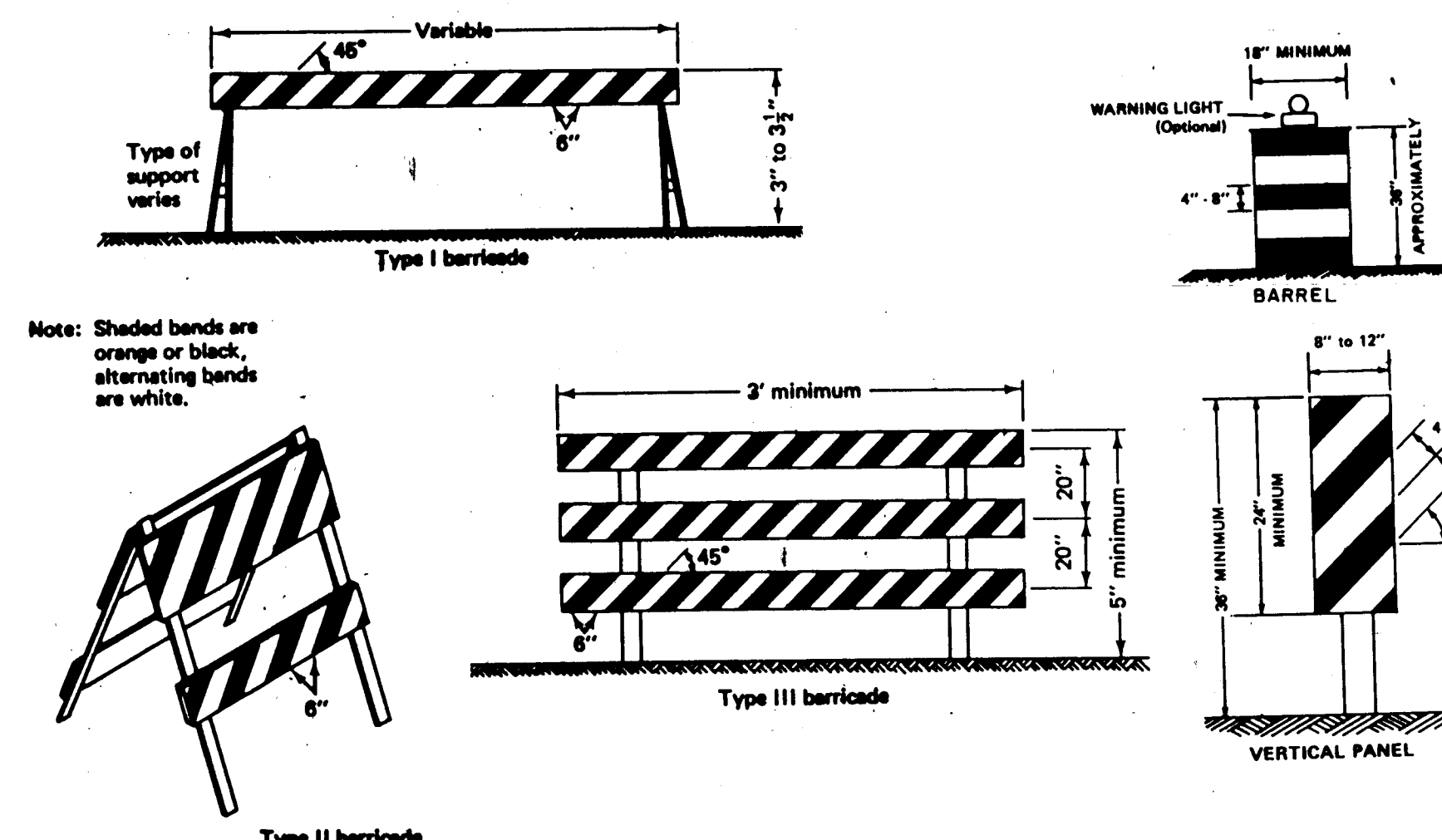
MINOR STREET NOTES

PALOMAS, ARIZONA, ANDERSON, ROSS, CALIFORNIA, AND EASTERN MAY BE CLOSED TWO BLOCKS AT A TIME IN ORDER TO INSTALL THE REQUIRED STORM DRAIN LINE. SEE TYPICAL CLOSURE.

NOTE: ALL M4-9 DETOUR SIGNS SHALL INCLUDE A SIGN PLATE BELOW THE DETOUR SIGN IDENTIFYING THE DETOUR.



FOR OTHER SIGNS, SEE SHEET 24



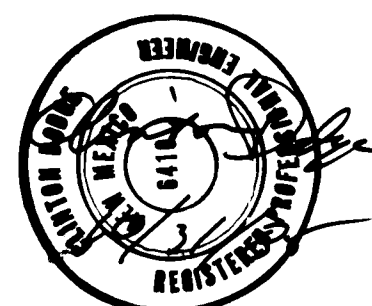
TYPICAL BARRICADES

LEGEND

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- VERTICAL PANEL
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AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION		ENGINEER'S SEAL	
CONTRACTOR	DATE	SEE SHEET 2 FOR BENCH MARK DETAILS	DATE	FIELD NOTES	DATE	REMARKS	REVISIONS
WORK	DATE		DATE	NO.	BY	NO.	DATE
INSPECTED BY	DATE		DATE				
FIELD	DATE		DATE				
DRAWN BY	DATE		DATE				
CHECKED BY	DATE		DATE				
RECORDED BY	DATE		DATE				
NO.							



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CITY OF ALBUQUERQUE MUNICIPAL DEVELOPMENT DEPARTMENT ENGINEERING DIVISION					
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TRAFFIC CONTROL PLAN					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
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A.C.E. Design	<i>[Signature]</i>	11/22/85	Traffic	<i>[Signature]</i>	11/22/85
A.C.E. Hydrology	<i>[Signature]</i>	11/22/85	Water	<i>[Signature]</i>	11/22/85
DRAWING NO.	2285	MAP NO.	L-18S	SHEET	27 OF 27