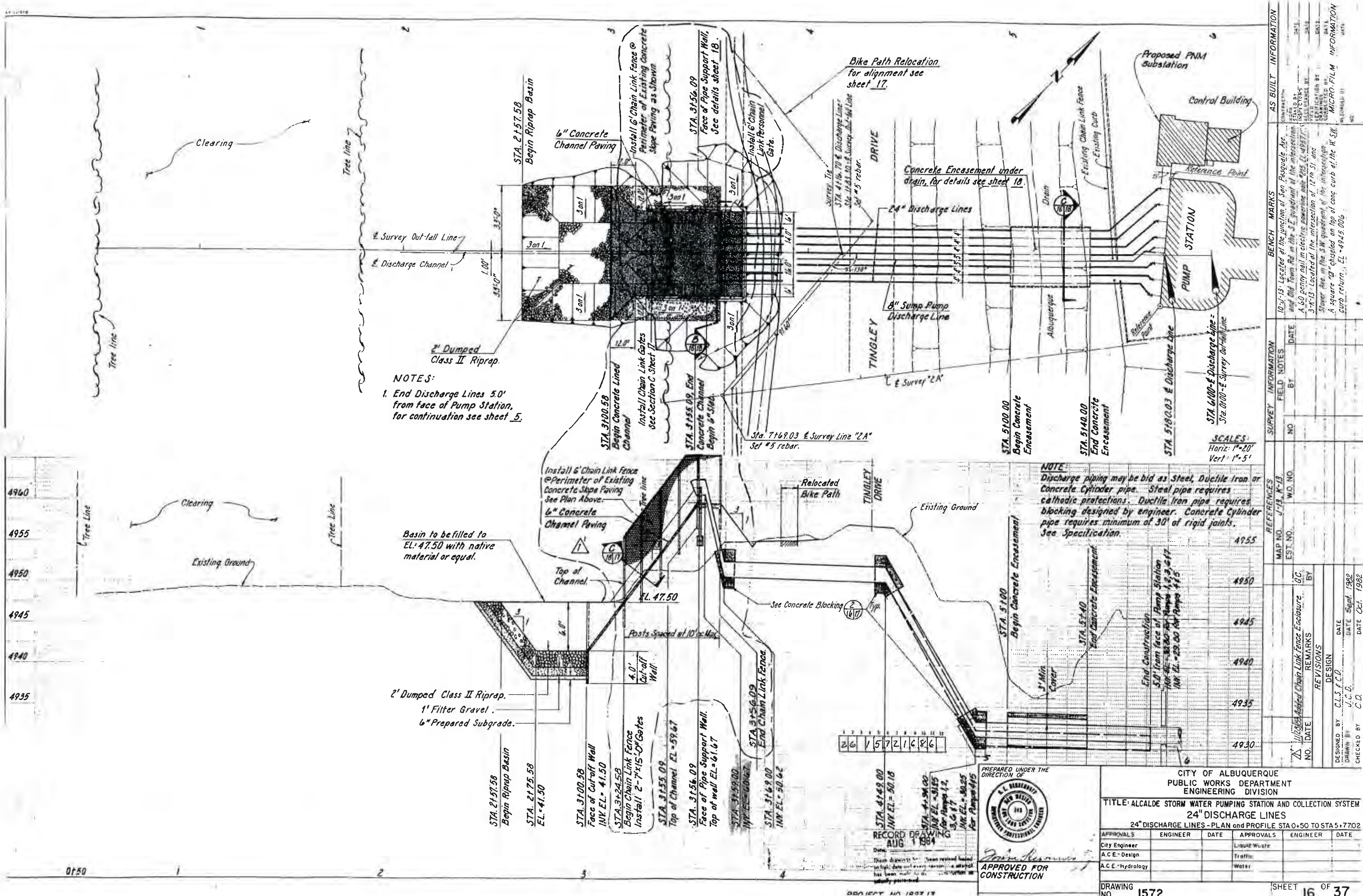


APPENDIX 2.8 –

Pump Station As-Builts / Plans

FOR:

Alcalde Pump Station



NOTES:
1. End Discharge Lines 5.0' from face of Pump Station, for continuation see sheet 5.

NOTE:
Discharge piping may be bid as Steel, Ductile Iron or Concrete Cylinder pipe. Steel pipe requires cathodic protection. Ductile Iron pipe requires blocking designed by engineer. Concrete Cylinder pipe requires minimum of 30' of rigid joints. See Specification.

26 15721086

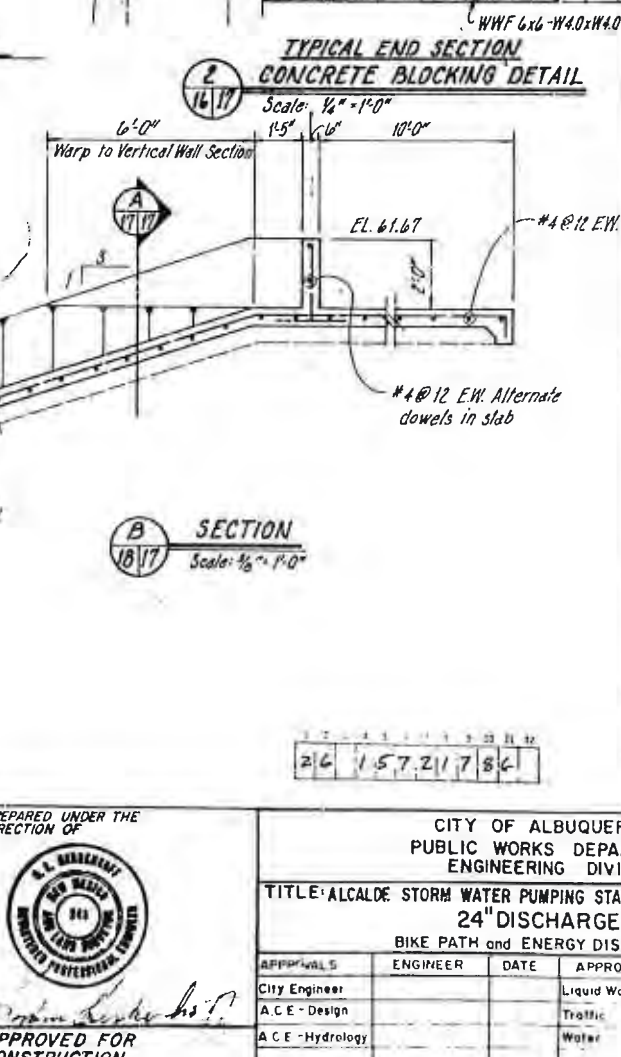
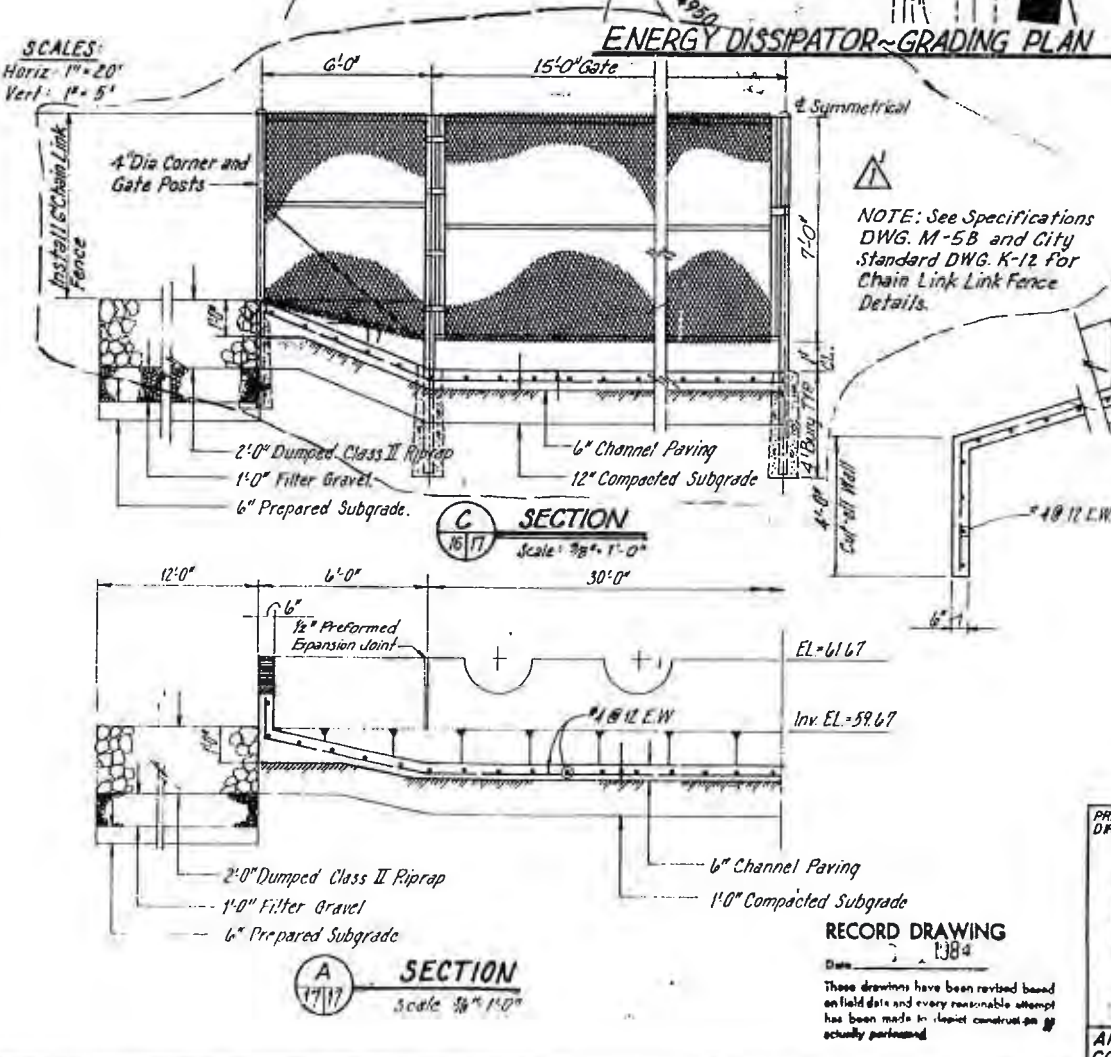
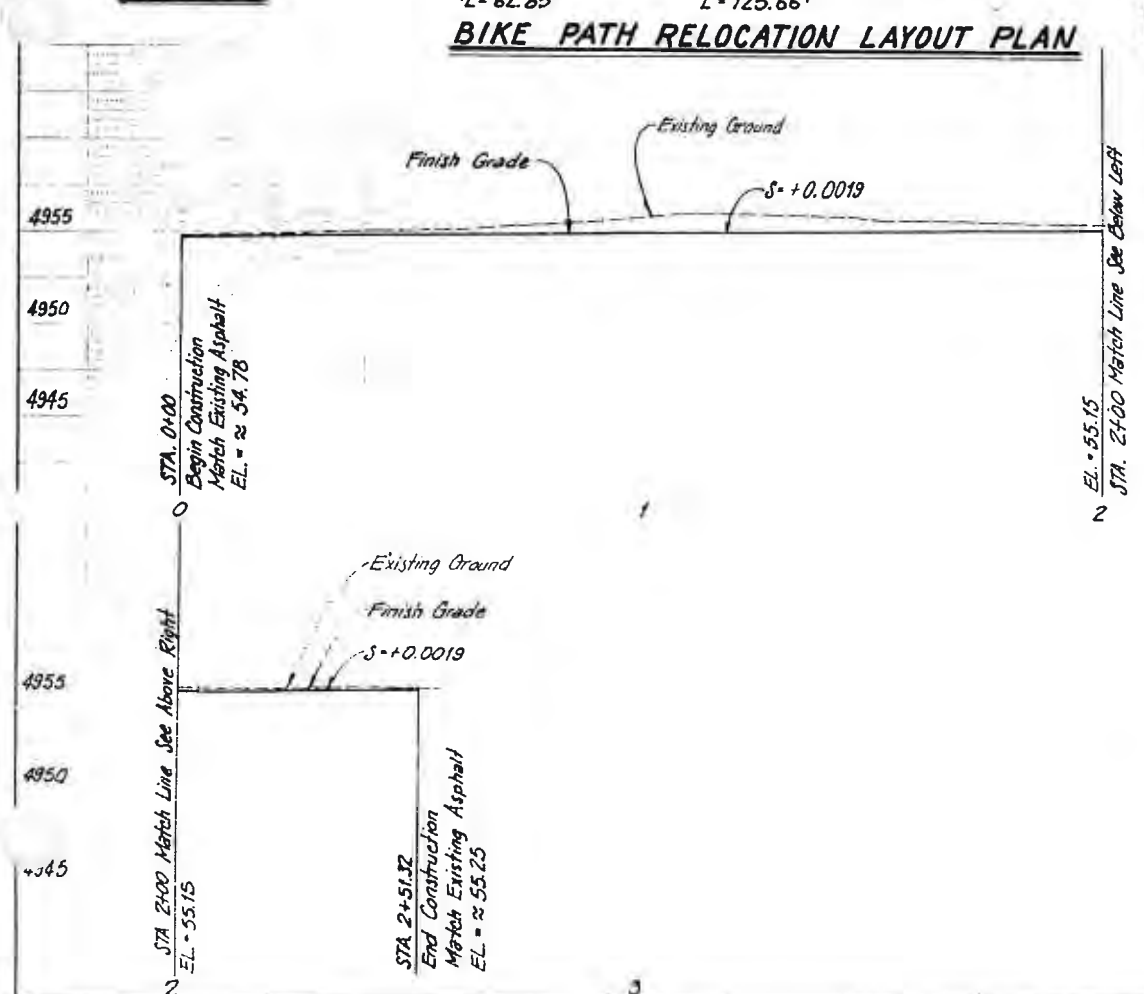
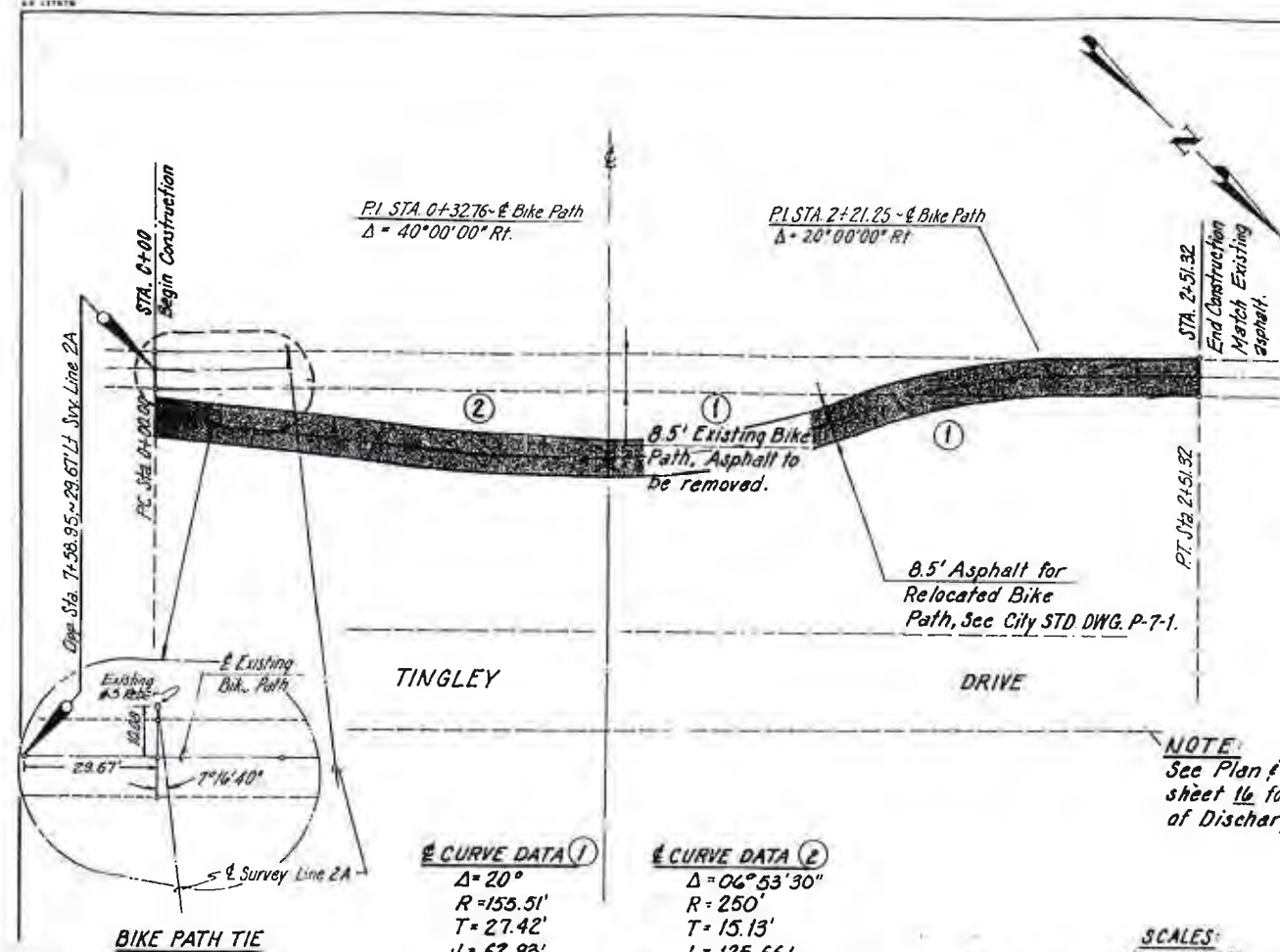
STA 4+49.00
INV EL = 50.18
STA 4+54.00
INV EL = 50.15
STA 4+59.00
INV EL = 50.12
STA 4+64.00
INV EL = 50.05
STA 4+69.00
INV EL = 50.02



APPROVED FOR CONSTRUCTION

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ALCALDE STORM WATER PUMPING STATION AND COLLECTION SYSTEM 24" DISCHARGE LINES					
24" DISCHARGE LINES - PLAN AND PROFILE STA 0+50 TO STA 5+70.2					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		
DESIGNED BY: C.L.S. F.C.D.			DATE: Sept. 1982		
DRAWN BY: J.C.D.			DATE: Oct. 1982		
CHECKED BY: C.D.			DATE: Oct. 1982		

SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE
1	10-1-13	1	10-1-13	1	10-1-13
2	10-1-13	2	10-1-13	2	10-1-13
3	10-1-13	3	10-1-13	3	10-1-13
4	10-1-13	4	10-1-13	4	10-1-13
5	10-1-13	5	10-1-13	5	10-1-13
6	10-1-13	6	10-1-13	6	10-1-13
7	10-1-13	7	10-1-13	7	10-1-13
8	10-1-13	8	10-1-13	8	10-1-13
9	10-1-13	9	10-1-13	9	10-1-13
10	10-1-13	10	10-1-13	10	10-1-13



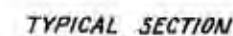
APPROVED FOR CONSTRUCTION

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION				
TITLE: ALCALDE STORM WATER PUMPING STATION AND COLLECTION SYSTEM 24" DISCHARGE LINE				
BIKE PATH AND ENERGY DISSIPATOR GRADING PLAN				
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER
CITY Engineer			Liquid Waste	
A.C.E. - Design			Traffic	
A.C.E. - Hydrology			Water	

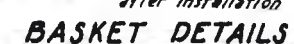
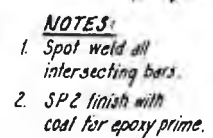
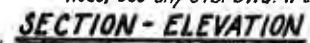
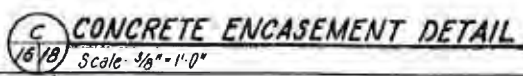
DRAWING NO. 1572 SHEET 17 OF 37

AS BUILT INFORMATION		BENCH MARKS		SURVEY INFORMATION	
NO.	DATE	NO.	DATE	NO.	DATE
10-13	10-13	10-13	10-13	10-13	10-13
10-13 - Located at the junction of San Pascual Ave. and Old Town Rd. in the S.E. quadrant of the intersection.		A 60 penny nail in electric powerline pole #15, Eter. 4957.175		3-K-13: Located at the intersection of 12th St. and Silver Ave. in the S.W. quadrant of the intersection.	
A square 18" x 18" x 18" on top of concrete curb at the W.S.W. curb return, Eter. 4945.006					

PROJECT NO. 1823.13



Scale: 3" = 1'-0"

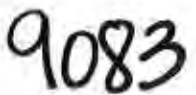


**APPROVED FOR
CONSTRUCTION**

TITLE: ALCALDE STORM WATER PUMPING STATION AND COLLECTION SYSTEM
24" DISCHARGE LINE
PIPE SUPPORT and CONCRETE ENCASEMENT DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E. - Design			Traffic		
A.C.E. - Hydrology			Water		

DRAWING NO. 1532



2 of 2

9083

SCALES: (Opp.)
 Horiz. = 1" = 20'
 Vert. = 1" = 5'

PLAN-JUNCTION BOX
Scale 1/2" = 1'-0"

NOTE:

1. Reinforcing steel shall be Grade 60 located 3" from the face of concrete.
2. Concrete shall be 4000 P.S.I. @ 28 days.
3. The floor of the box shall be steel troweled to spring line. Round all inside edges to a 3" radius.
4. The box shall be poured in one continuous operation, except that the Contractor shall have the option of placing a construction joint with a longitudinal key at the springline.

RECORD DRAWING
AUG 1 1984

These drawings have been re-issued based on field data and every reasonable attempt has been made to depict construction as actually performed.

PREPARED UNDER THE
DIRECTION OF

APPROVED FOR
CONSTRUCTION

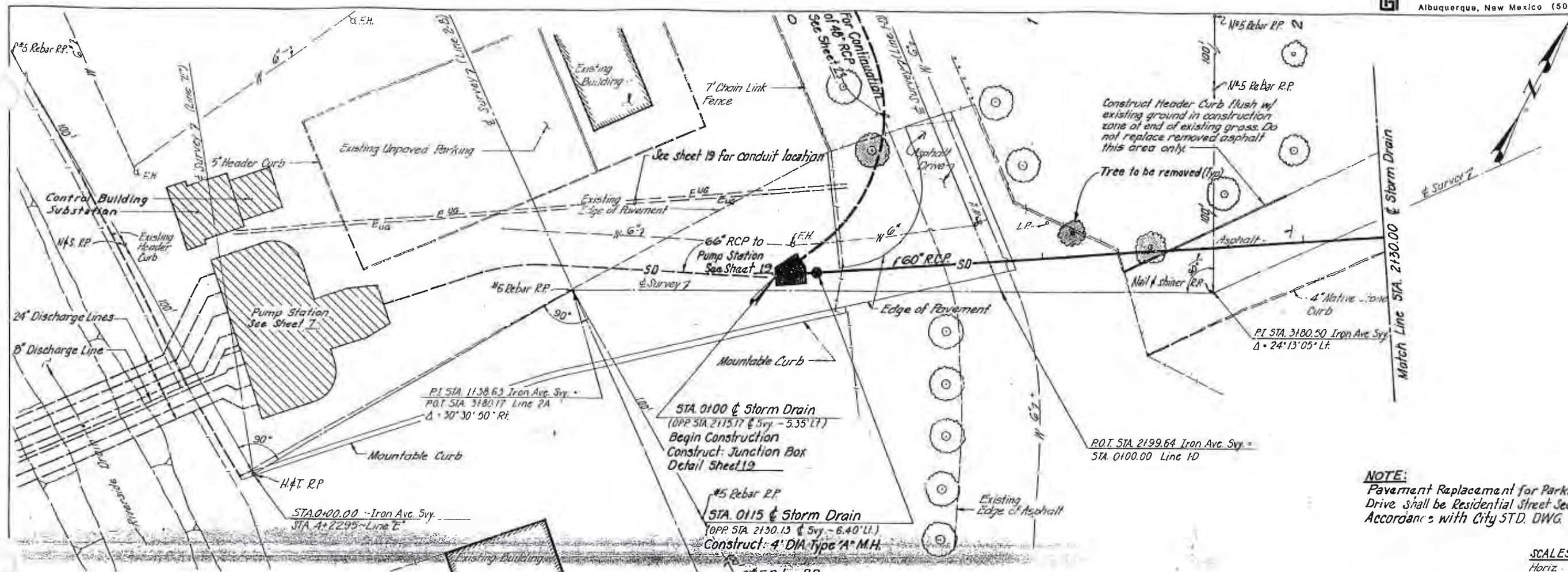
CITY OF ALBUQUERQUE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION

TITLE: ALCALDE STORM WATER PUMPING STATION AND COLLECTION SYSTEM
PLAN AND PROFILE - PUMP STATION STORM DRAIN & 6" WL
STA. 0+00 TO STA. 1+50.06 and JUNCTION BOX DETAILS

APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer	178		Liquid Waste		
A.C.E. Design			Traffic		
A.C.E. Hydrology			Water		19-05-77

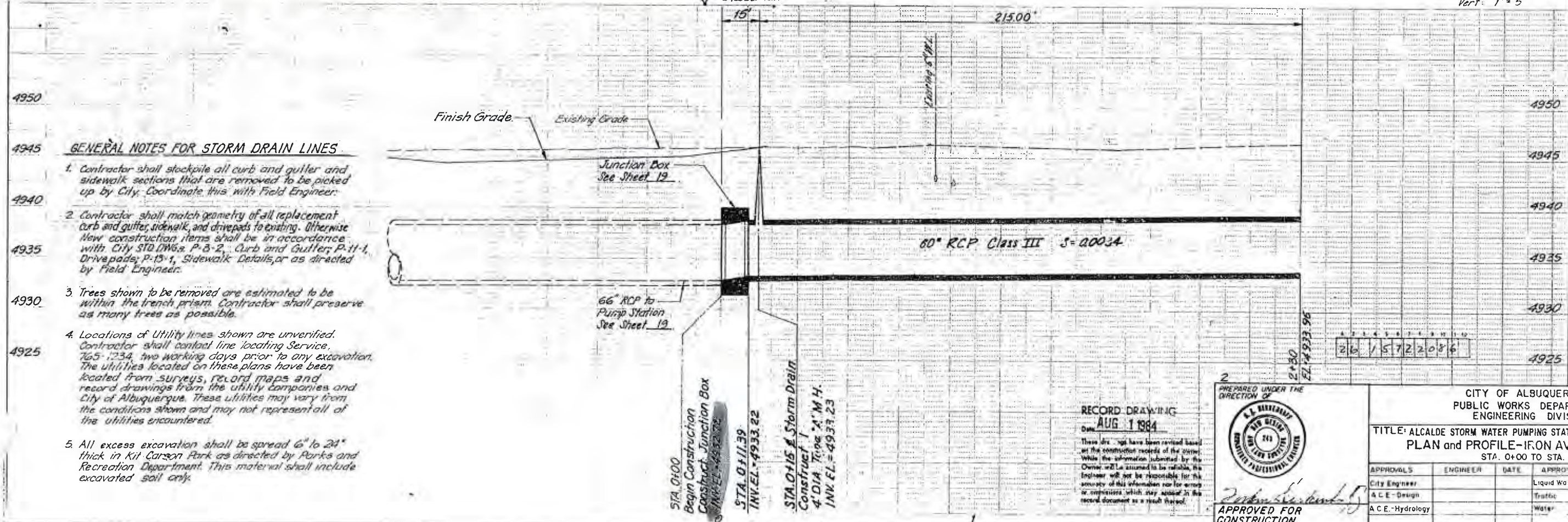
DRAWING 1572 SHEET 10 OF 11

REFERENCES			SURVEY INFORMATION		BENCH MARKS		AS BUILT		INFORMATION	
MAP NO.	W-13	W.O. NO.	NO.	BY	DATE					
EST. NO.										
REVISIONS			REMARKS							
NO.	DATE		BY							
DESIGNED BY J.A.E.			DATE AUG 82							
DRAWN BY R.H.H.			DATE AUG 82							
CHECKED BY C.O.			DATE OCT 82							
IN AND COLLECTION SYSTEM STORM DRAIN & 6" WL SECTION BOX DETAILS ENGINEER DATE 1905-37										



NOTE:
Pavement Replacement for Parking Lot and Drive shall be Residential Street Section in Accordance with City STD. DWG P-25-2

SCALES:
Horiz. 1" = 20'
Vert. 1" = 5'



- GENERAL NOTES FOR STORM DRAIN LINES**
- Contractor shall stockpile all curb and gutter and sidewalk sections that are removed to be picked up by City. Coordinate this with Field Engineer.
 - Contractor shall match geometry of all replacement curb and gutter, sidewalk, and driveways to existing. Otherwise new construction items shall be in accordance with City STD. DWG. P-8-2, Curb and Gutter, P-11-1, Driveways, P-13-1, Sidewalk Details, or as directed by Field Engineer.
 - Trees shown to be removed are estimated to be within the trench prism. Contractor shall preserve as many trees as possible.
 - Locations of Utility lines shown are unverified. Contractor shall contact line locating Service, 765-1234, two working days prior to any excavation. The utilities located on these plans have been located from surveys, record maps and record drawings from the utility companies and City of Albuquerque. These utilities may vary from the conditions shown and may not represent all of the utilities encountered.
 - All excess excavation shall be spread 6' to 24" thick in Kit Carson Park as directed by Parks and Recreation Department. This material shall include excavated soil only.

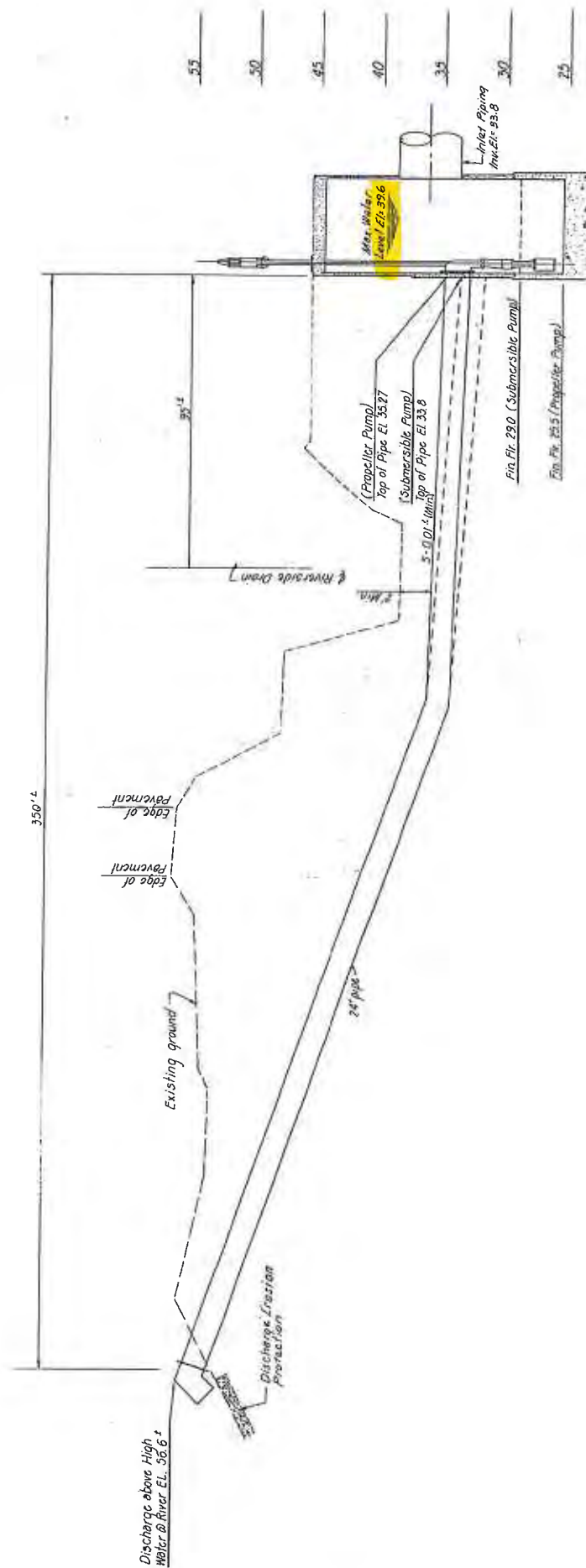
RECORD DRAWING
AUG 1 1984
These drawings have been revised based on the construction records of the owner. While the information submitted by the owner will be assumed to be reliable, the engineer will not be responsible for the accuracy of this information or for errors or omissions which may appear in this record document as a result thereof.



APPROVED FOR CONSTRUCTION

CITY OF ALBUQUERQUE PUBLIC WORKS DEPARTMENT ENGINEERING DIVISION					
TITLE: ALCALDE STORM WATER PUMPING STATION AND COLLECTION SYSTEM PLAN and PROFILE-IRON AVE. STORM DRAIN STA. 0+00 TO STA. 2+30					
APPROVALS	ENGINEER	DATE	APPROVALS	ENGINEER	DATE
City Engineer			Liquid Waste		
A.C.E.-Design			Traffic		
A.C.E.-Hydrology			Water		
DRAWING NO. 1572			SHEET 20 OF 31		

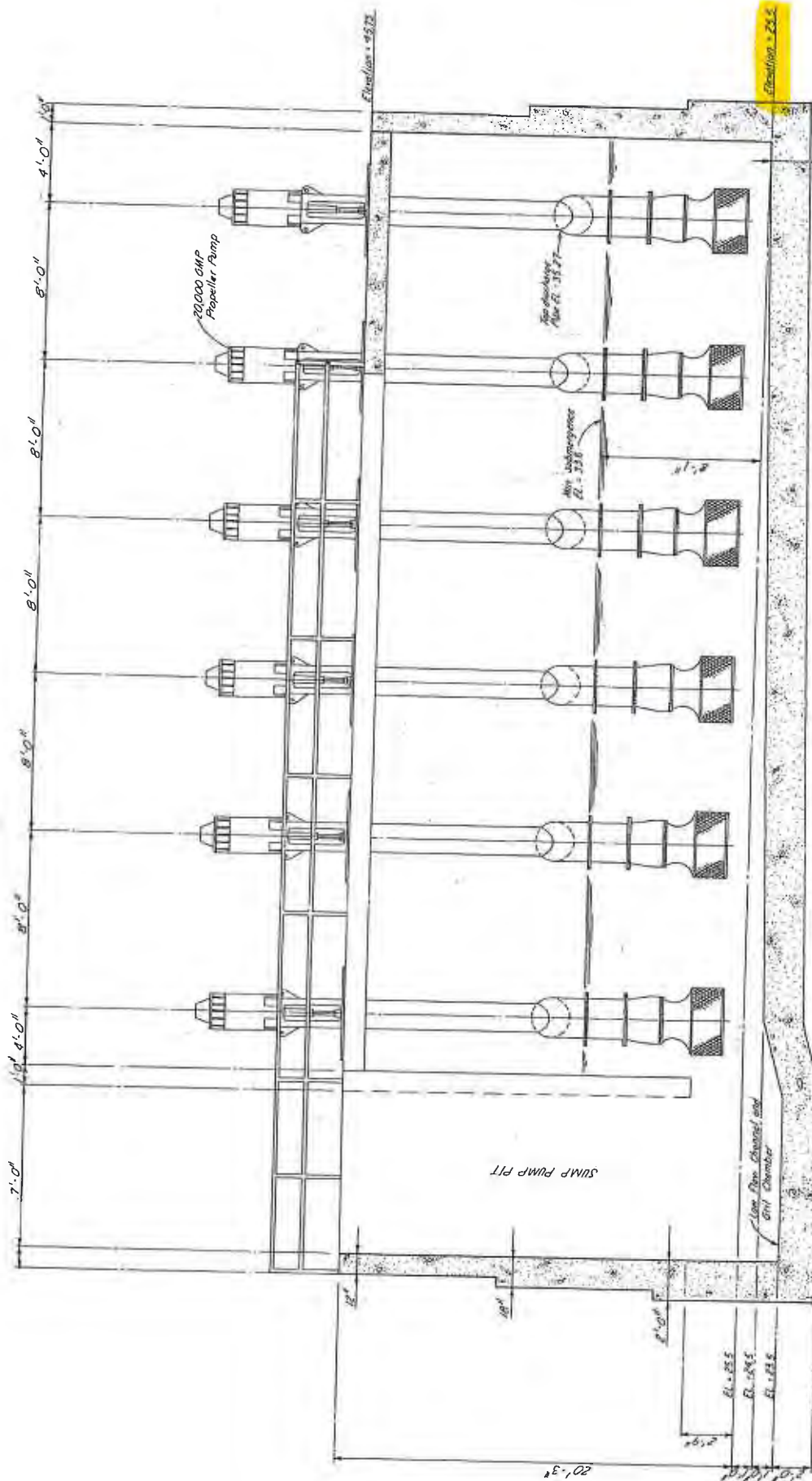
REFERENCES		SURVEY INFORMATION		BENCH MARKS		AS BUILT INFORMATION	
MAP NO.	EST. NO.	NO.	BY	DATE			
J-13, R-13					10-113 Located at the junction of San Pasquale Ave and Old Town Rd in the S.E. quadrant of the intersection. A 60 Penny nail in electric meterline pole # 215. Elev = 4957.175		
					3-413 Located at intersection of 12th St and Stoner Ave. in the SW quadrant of the intersection. A square ☐ chisled on top of conc. curb at the WSW curb return. Elev = 4945.006		
REVISIONS		NO.		DATE		MICRO-FILM INFORMATION	
DESIGN						DRAWINGS	
DESIGNED BY JAE, CD				DATE AUG 82		VERIFICATION BY	
DRAWN BY MJB				DATE AUG 82		DATE	
CHECKED BY GAJ				DATE AUG 82		DATE	



PROFILE AT SITE NO. 1

ALCALDE PUMP STATION
PROFILE AT SITE NO. 1

FIGURE B1



NOTE: Station Schematic is shown for Cost Comparative Analysis only. Final pricing, Hydraulic Design, Pump Amps & gpm and Cost Materials and other areas that will be common to each Station will be included in the Final Design. Actual Station configuration may change and will be dependent on the final pipe loading and the tower location on Site 1.

WET WELL SECTION ONLY

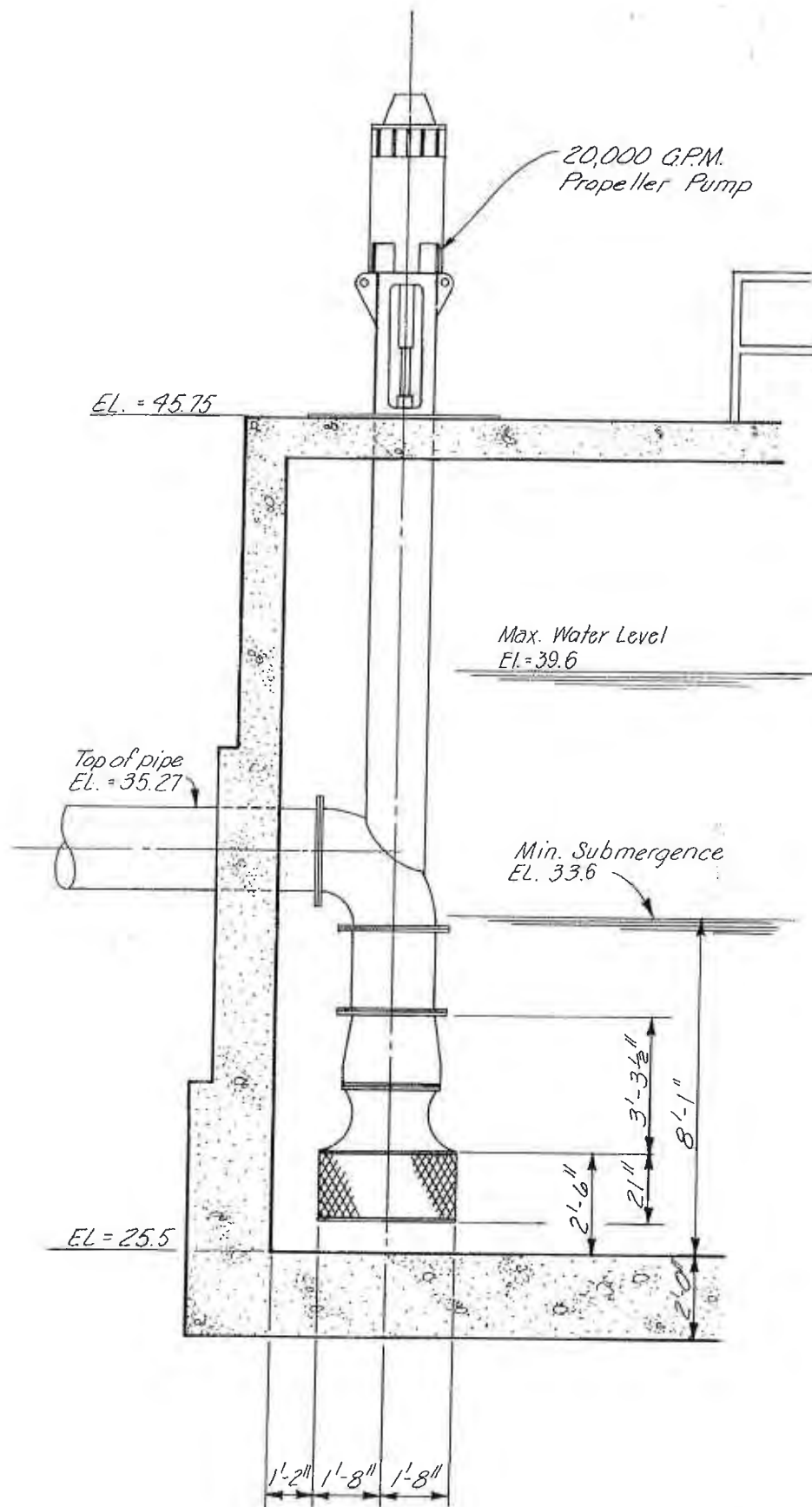
Maximum Depth = 14.1

lowest EL = 25.5 Fig. B.3

Max Water EL = 39.6 Fw 81

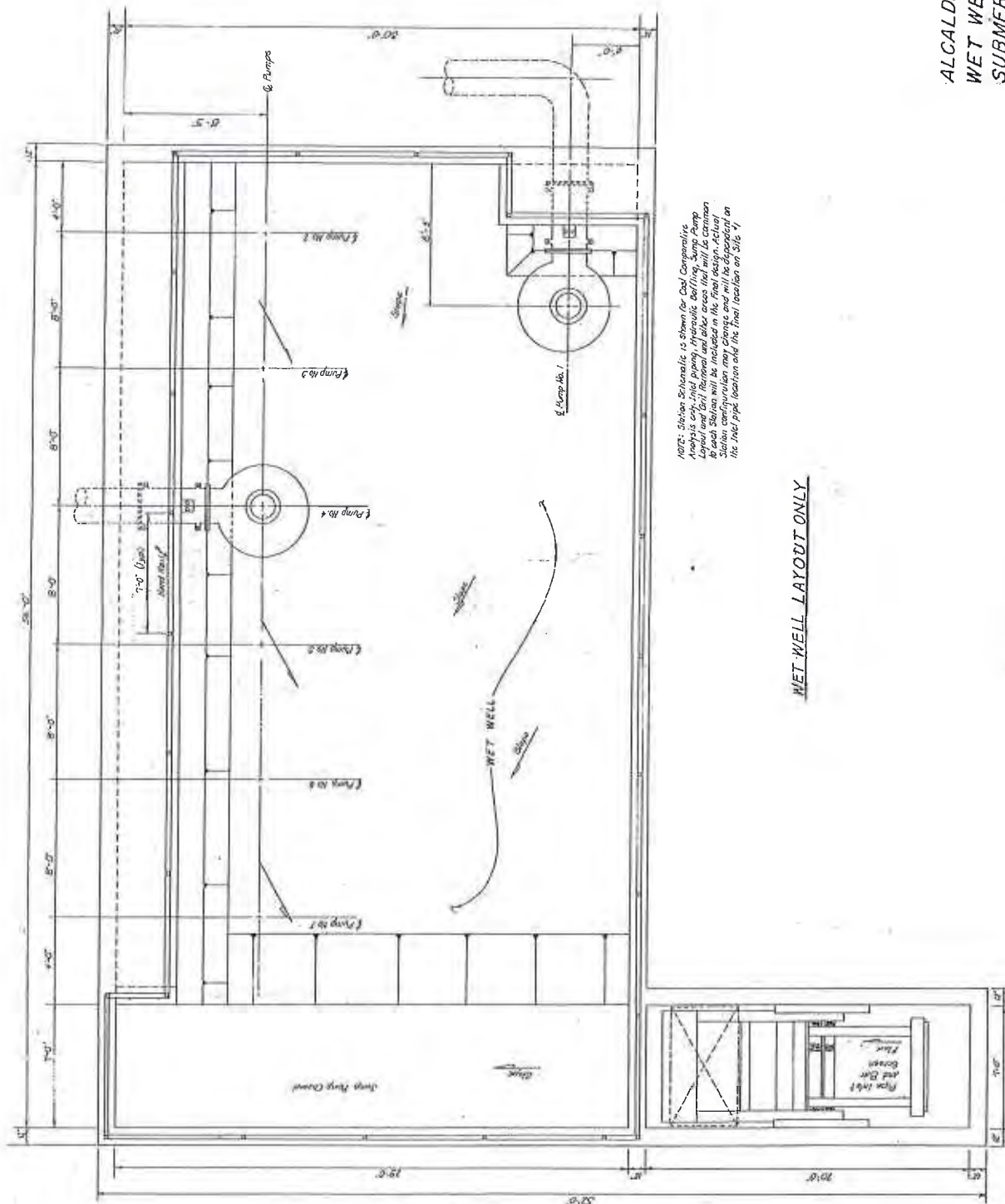
© 2000 HENSCHEL & ASSOCIATES, INC.





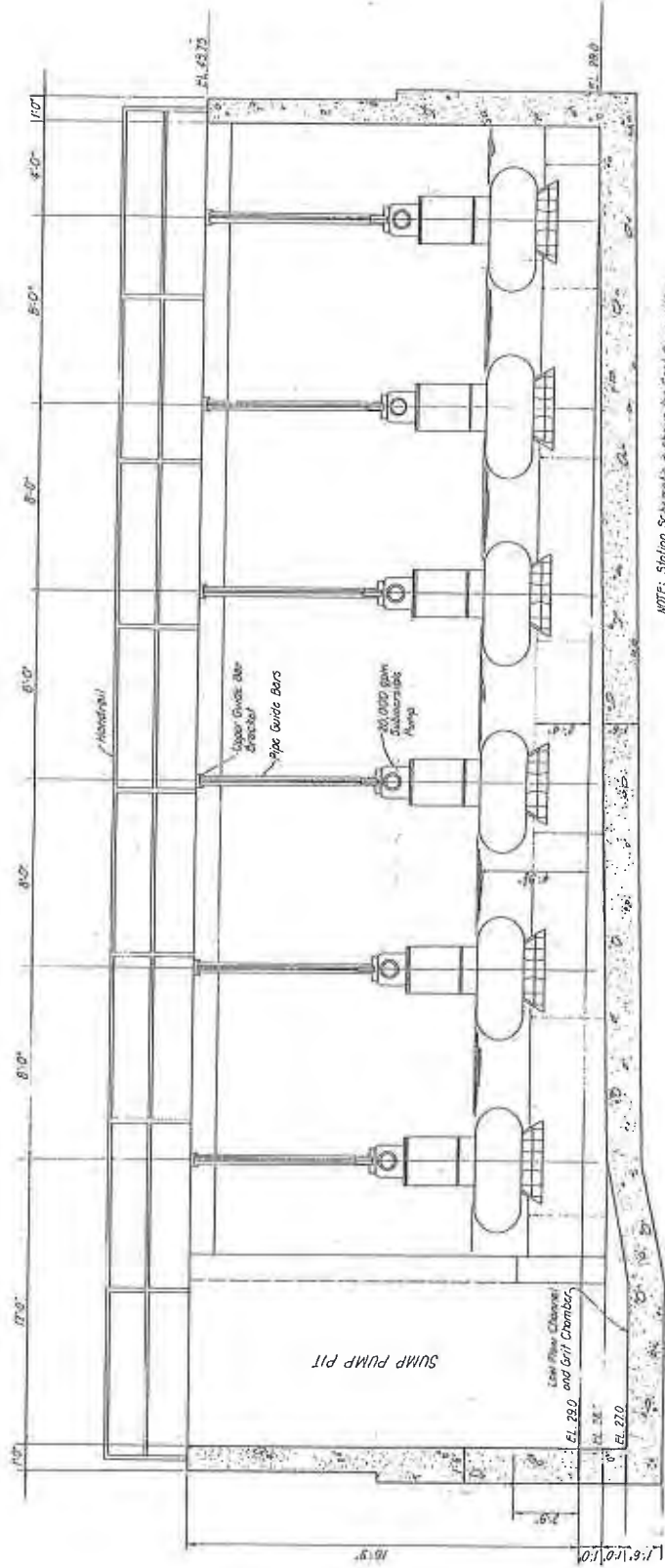
PARTIAL TRANSVERSE
SECTION

ALCALDE PUMP STATION
PARTIAL TRANSVERSE
SECTION
PROPELLER PUMPS
FIGURE B4



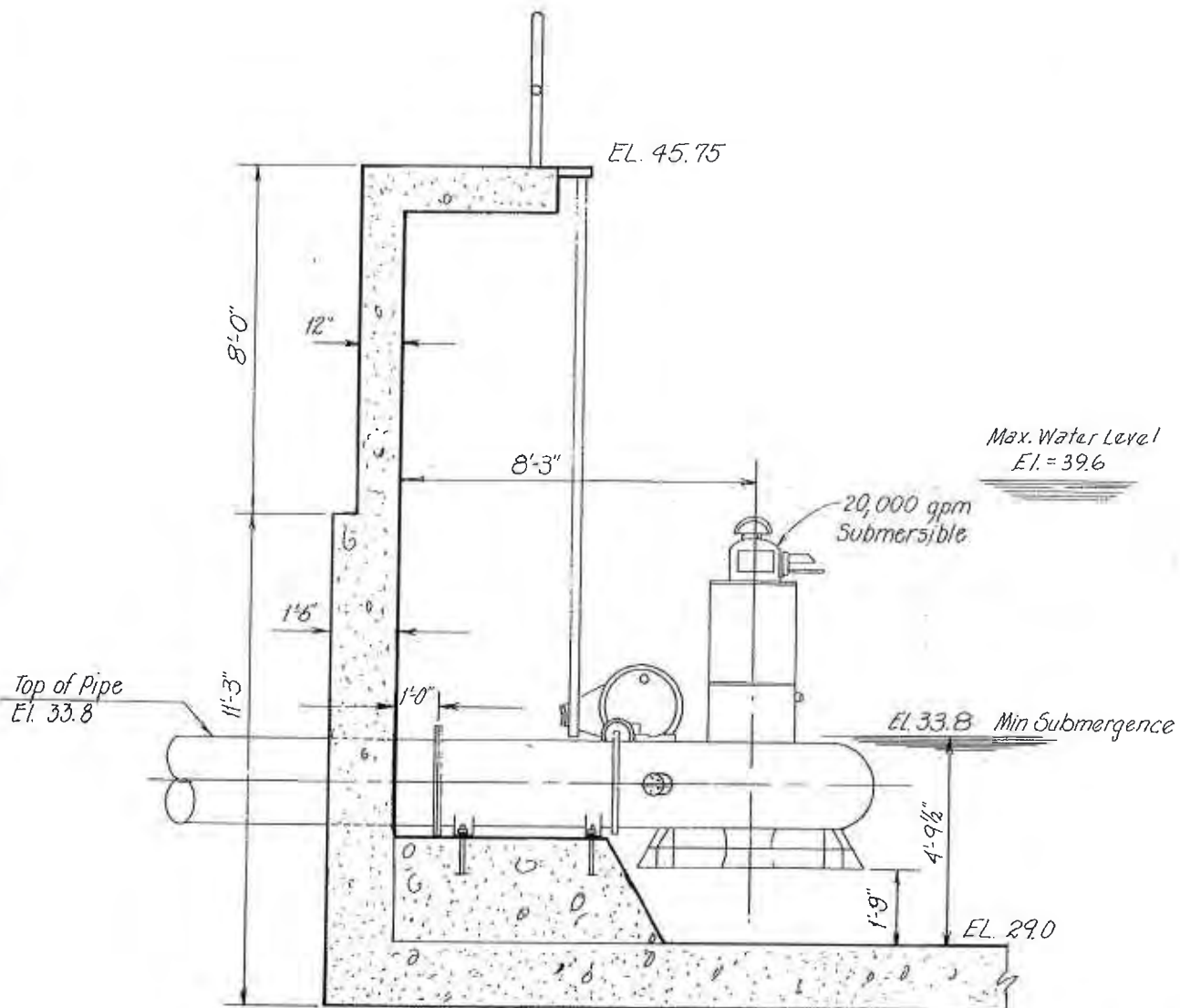
WET WELL LAYOUT ONLY

ALCALDE PUMP STATION
WET WELL LAYOUT
SUBMERSIBLE PUMPS
FIGURE B5



WET WELL SECTION ONLY

ALCALDE PUMP STATION
WET WELL LONGITUDINAL
SECTION
SUBMERSIBLE PUMPS
FIGURE B6



PARTIAL TRANSVERSE SECTION

ALCALDE PUMP STATION
PARTIAL TRANSVERSE
SECTION
SUBMERSIBLE PUMP
FIGURE B7