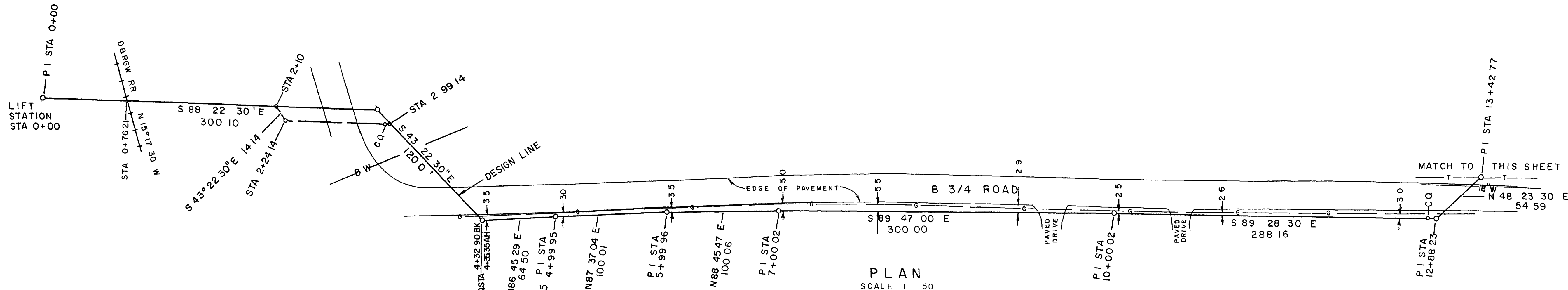


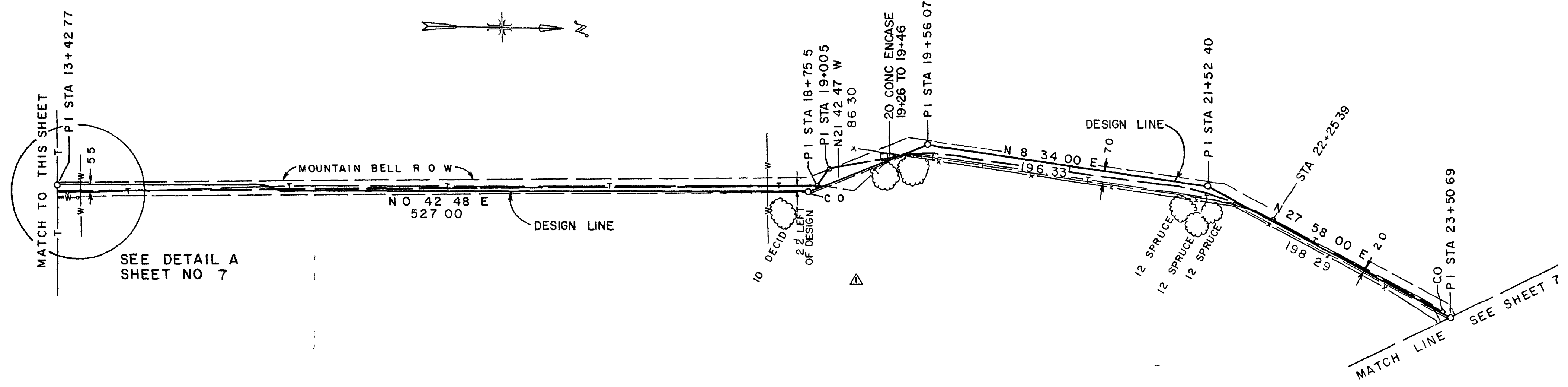
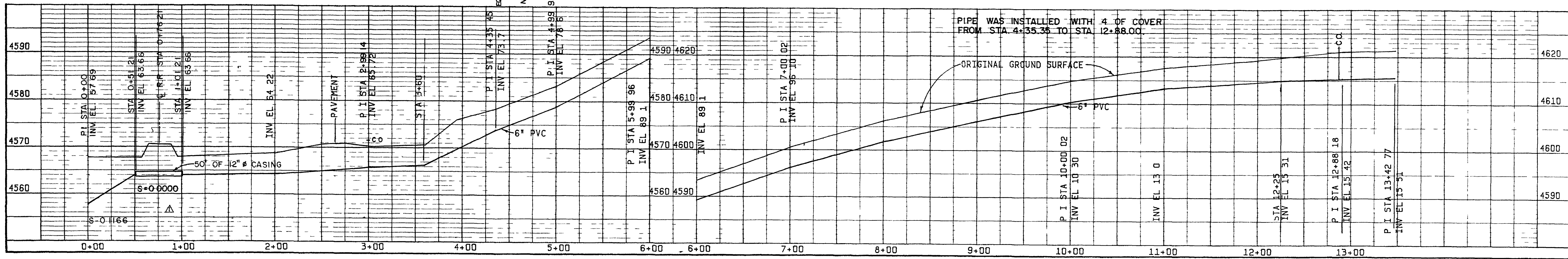
12-29-81	AS-BUILT	D.S.G.	FL.W.	FL.W.
6-2-81	MOVED DETAIL A TO SHEET 7	R.W.O.	FL.W.	
NO.	DATE	REVISIONS		
		BY	CK	A.E. APP.
U. S. DEPARTMENT OF ENERGY GRAND JUNCTION, COLORADO				
DESIGNED:	S. K.	FACILITY SEWER SYSTEM UPGRADE FORCE MAIN		
DRAWN:	G.L.A.			
CHECKED:	F.L.W.			
PROJECT ENGINEER:	F.L.W.			
SUBMITTED:	USER APPROVAL	DOE APPROVAL	DATE 5/26/81	
WESTERN ENGINEERS, INC. DWG. 573-912-1		PROJECT NO. GJO-DR-81-1		
		DWG. NO. SHEET 2 OF 9		

SE COR. NW 1/4 NW 1/4
SEC. 26, T15 R1E UTE M.
Tie from
STA. 13+42.82 to SE Cor
NW 1/4 NW 1/4 Sec. 26
Distance = 499.09
Bearing = S 84° 41' 59" E

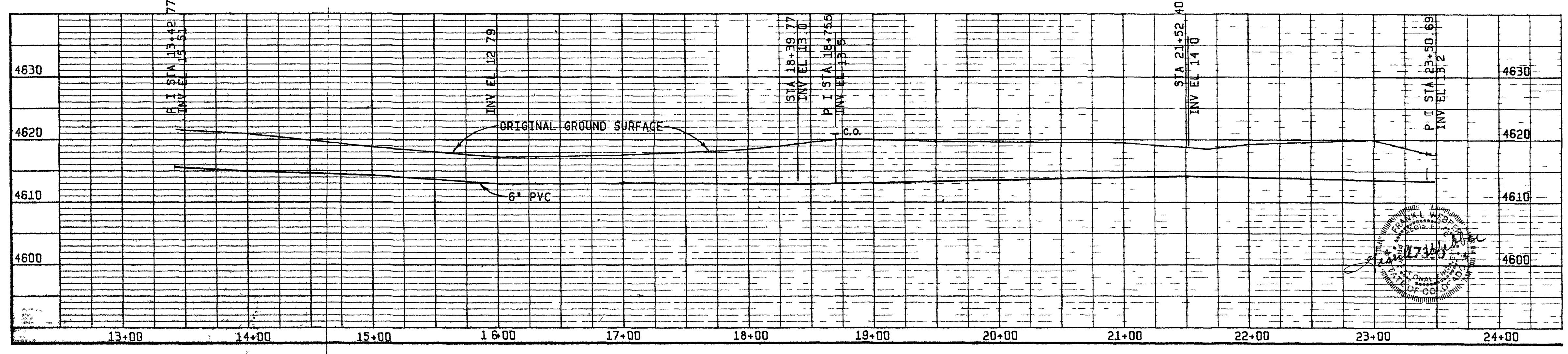




PLAN
SCALE 1 50



PLAN
SCALE 1 50

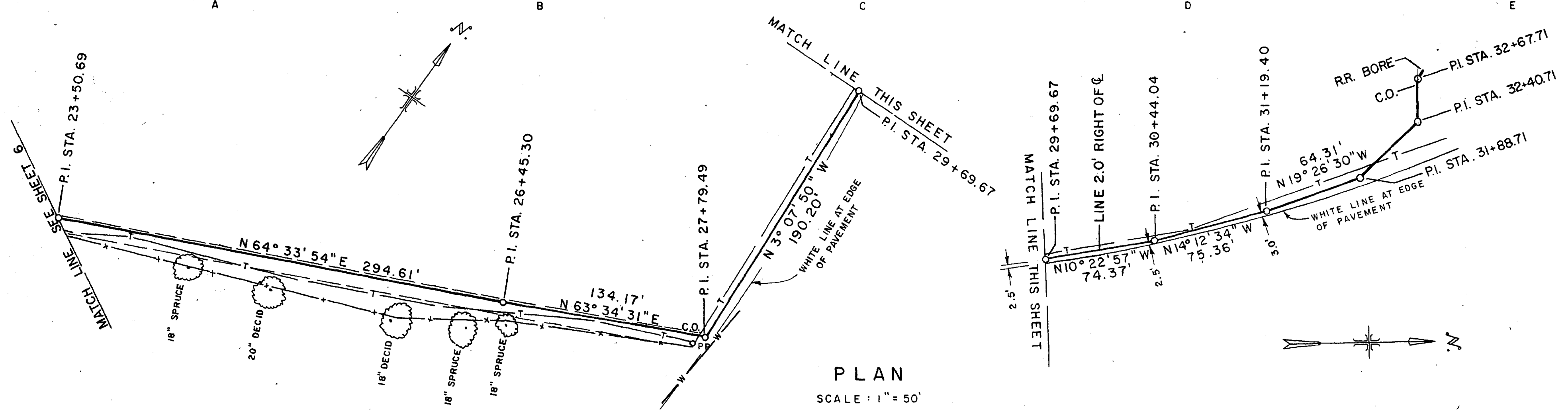


NOTE
Ground elevation may vary between measured points 42 of cover required at all locations

- LEGEND
- Underground Gas Line
 - Underground Telephone Cable
 - Fence
 - Proposed Sewer Line
 - Water Line
 - Limits of Mtn Bell R.O.W.
 - As Built Line

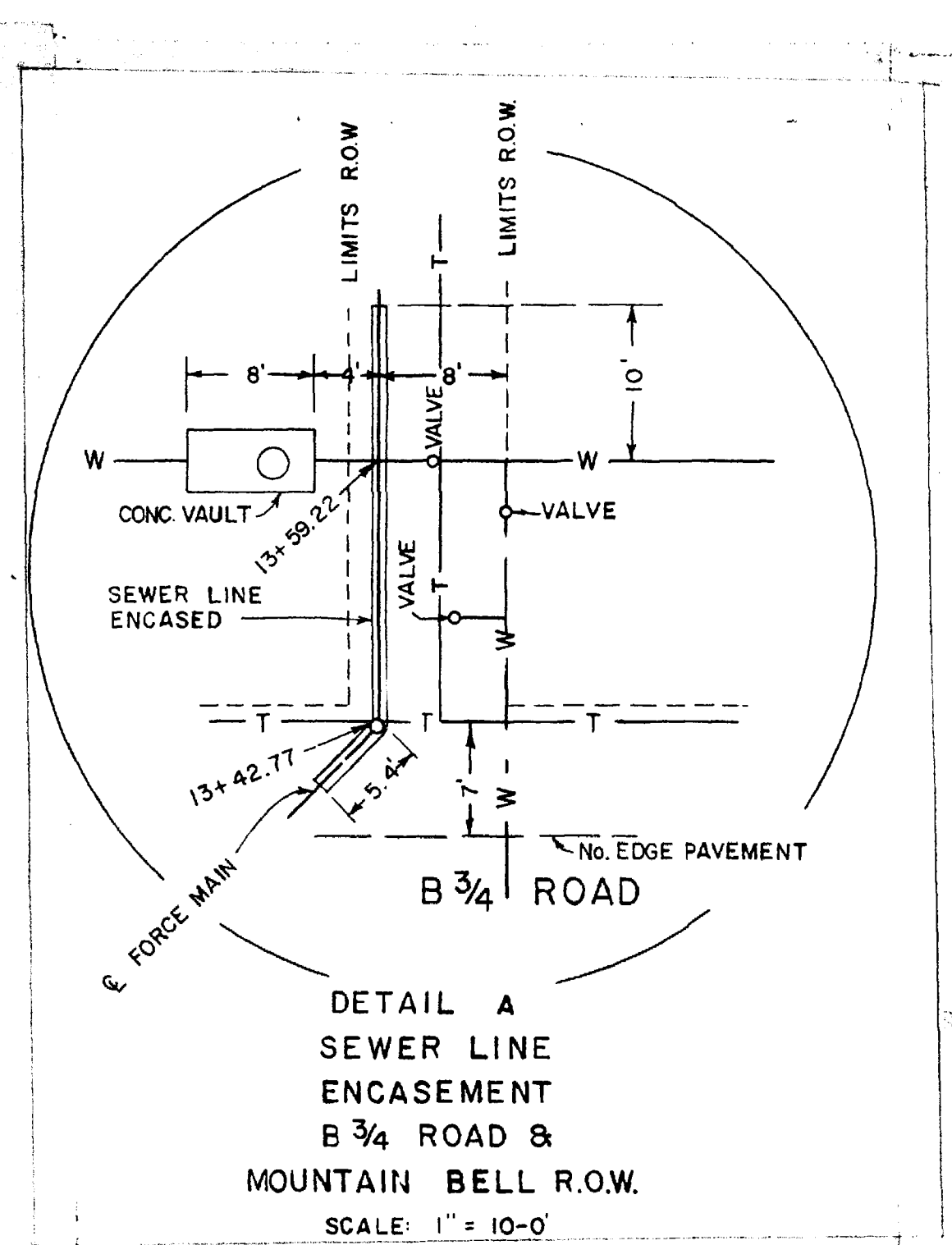
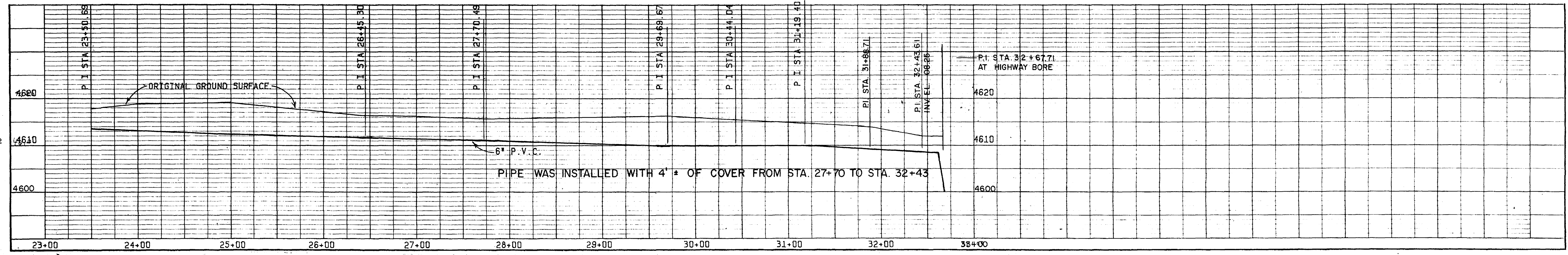
THE ORIGINAL DESIGN LINE AS SHOWN REPRESENTS THE SURVEY LINE FOR THE AS BUILT STATIONING IS ACCORDING TO SURVEY LINE

3 4 82 AS BUILT		DLH	FLW
6 2 81 CHG PROFILE 0 00 TO 2 00 CHG AREA OF DETAIL B		RWO	FLW
NO	DATE	REVISIONS	
BY	CK	A	E APP
U S DEPARTMENT OF ENERGY GRAND JUNCTION COLORADO			
DESIGNED S M K	FACILITY SEWER SYSTEM UPGRADE PLAN AND PROFILE FORCE MAIN		
DRAWN A S C			
CHECKED F L W			
PROJECT ENGINEER F L W			
SUBMITTED	USER APPROVAL	DOE APPROVAL	DATE 5/26/01
WESTERN ENGINEERS INC DWG NO 573-912-2		PROJECT NO GJO-DR-81-1 DWG NO SHEET 6 OF 9	



THE ORIGINAL DESIGN LINE AS SHOWN REPRESENTS THE SURVEY LINE FOR THE AS BUILT. STATIONING IS ACCORDING TO SURVEY LINE.

PLAN
SCALE: 1" = 50'



DETAIL A
SEWER LINE ENCASEMENT
B 3/4 ROAD &
MOUNTAIN BELL R.O.W.
SCALE: 1" = 10'-0"
AS - BUILT

LEGEND

- G — Underground Gas Line
- T — Underground Telephone Cable
- x — Fence
- Proposed Sewer Line
- W — Water Line
- Limits of Mtn. Bell R.O.W.

NO.	DATE	REVISIONS	BY	CK	A.E.	APP.
3-3-82		AS-BUILT				DLH. FLW.
6-1-81		ADD WATER LINE AND DIM. TO DETAIL C - CHG. DETAIL B - ADD DETAIL A				RWQ. FLW.

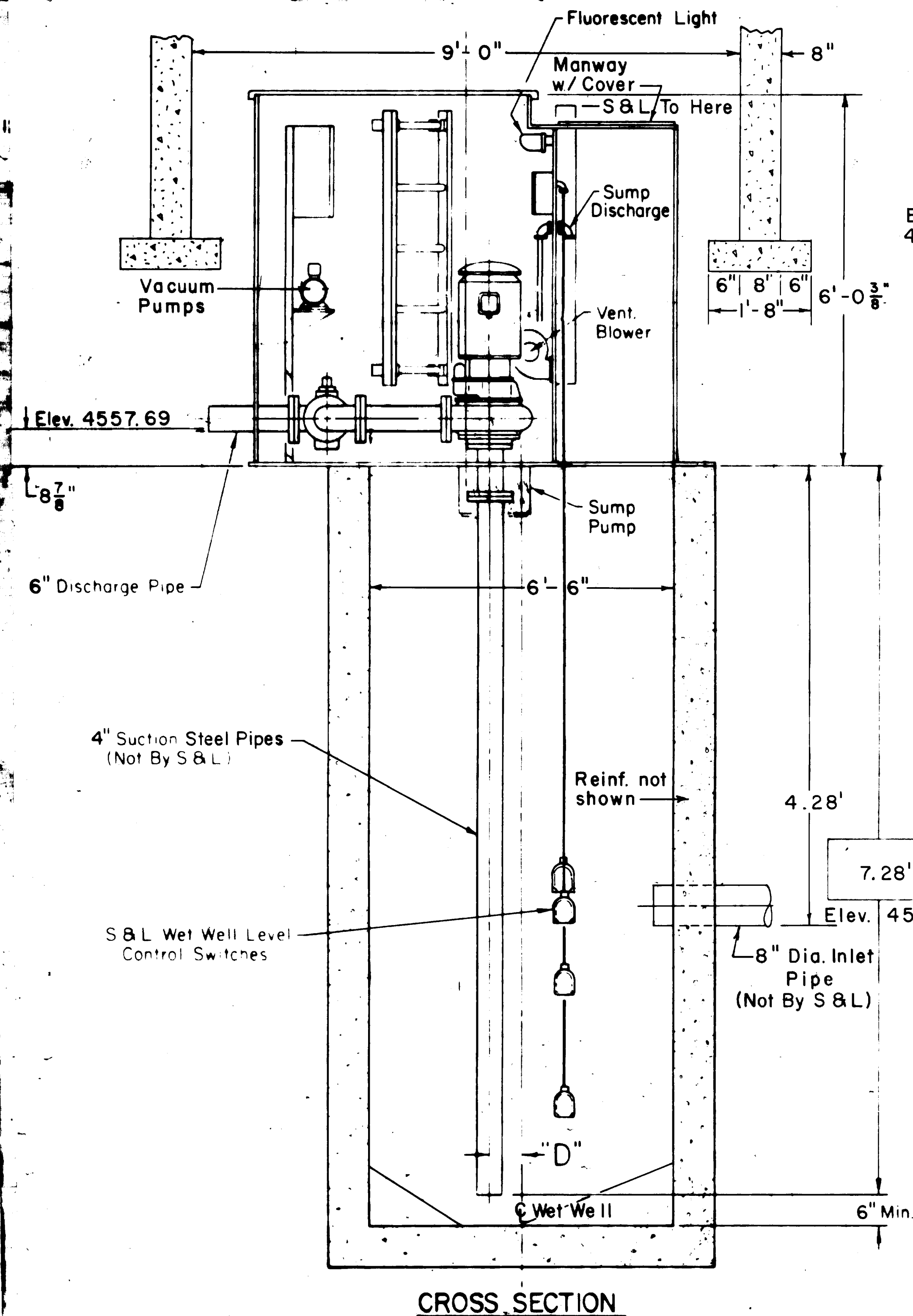
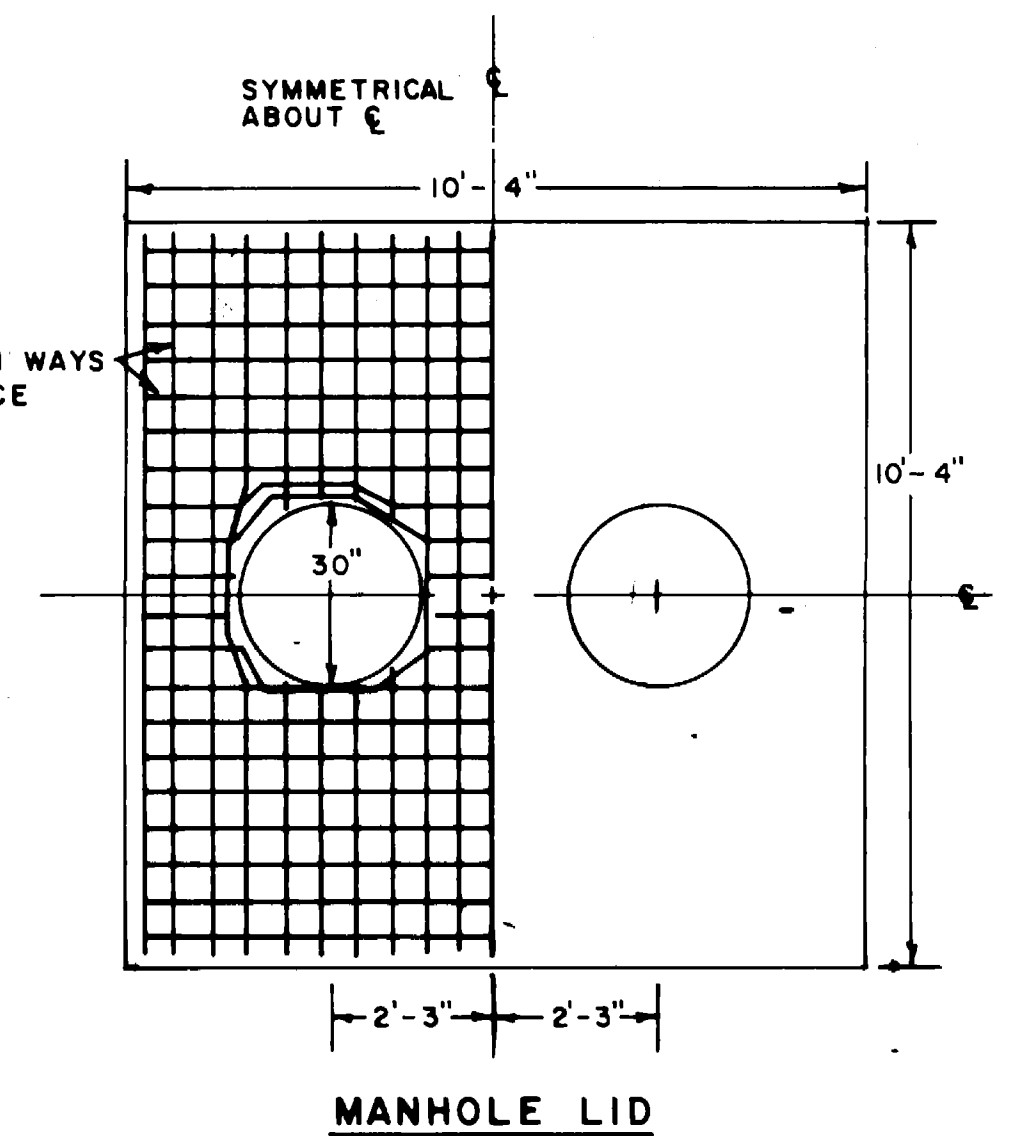
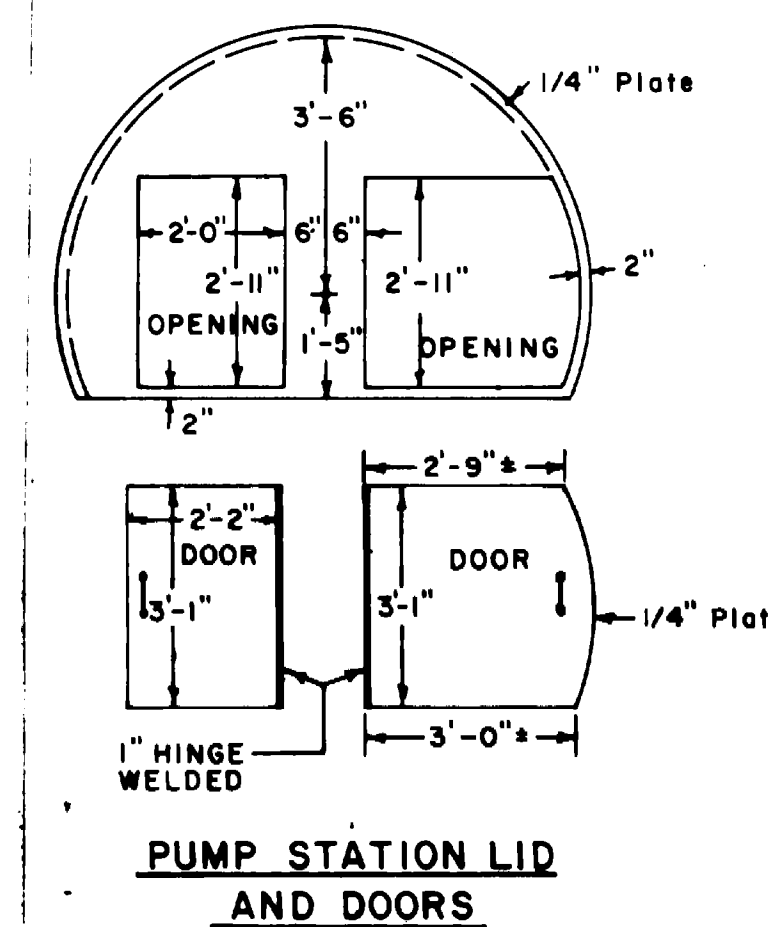
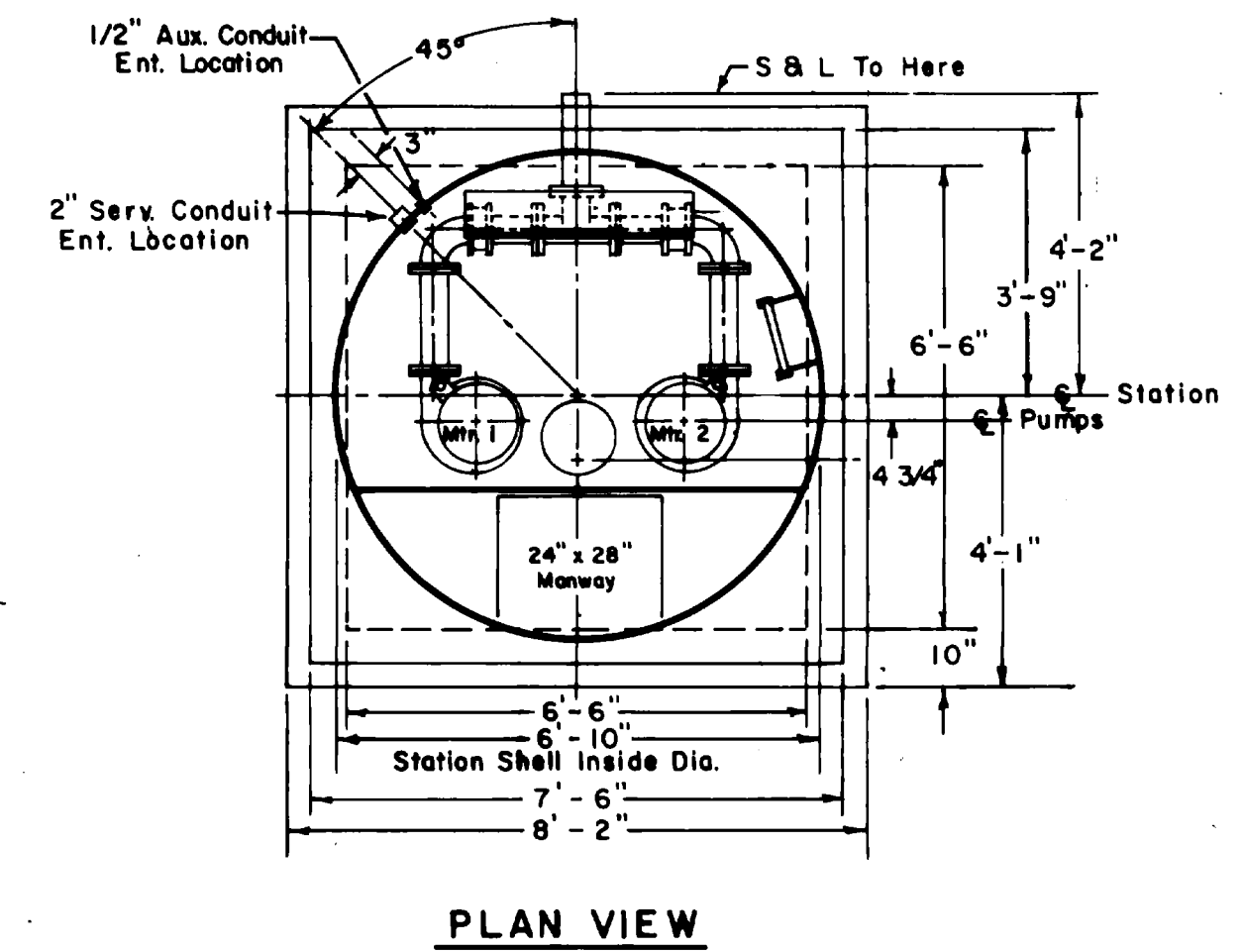
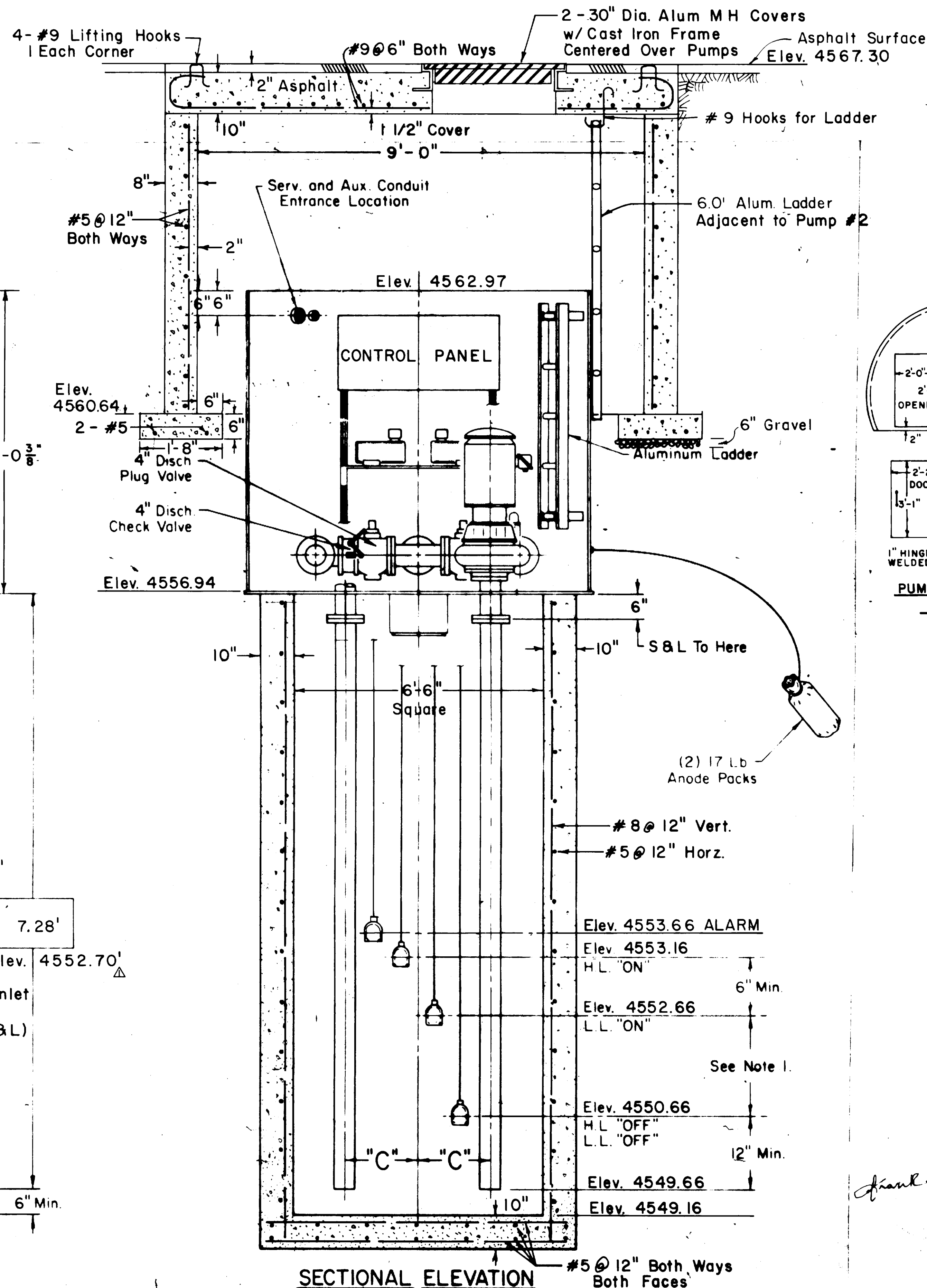
U. S. DEPARTMENT OF ENERGY
GRAND JUNCTION, COLORADO

**FACILITY SEWER SYSTEM UPGRADE
PLAN AND PROFILE - DETAILS
FORCE MAIN**

DESIGNED: S. M. K.	FACILITY SEWER SYSTEM UPGRADE PLAN AND PROFILE - DETAILS FORCE MAIN	PROJECT NO. GJO - DR - 81 - 1	DATE 5/26/81
DRAWN: A. S. C.		WESTERN ENGINEERS INC. DWG. 573-912-2	DWG. NO.
CHECKED: F. L. W.			SHEET 7 OF 9
PROJECT ENGINEER F. L. W.			

NOTES

- 1.) The Owner will furnish a package lift station similar to this drawing to the Contractor for installation.
- 2.) Concrete slab shall have a min. comp. strength of 4,000 psi at 28 days. The reinforcing steel shall have a minimum yield strength of 60 Ksi.
- 3.) All other concrete shall have a minimum comp. strength of 3,000 psi at 28 days with reinforcing steel having a minimum yield strength of 40 Ksi.
- 4.) The Contractor shall finish and install the vent blower pipe daylighting next to the fence.
- 5.) The Contractor shall finish and install a power pole complete with disconnect switch near the fence.
- 6.) All items on these drawings not furnished by the manufacturer shall be furnished and installed by the Contractor.



87D207

DESIGNED: D. Fisher 10-79	CODYNE Smith & Loveless Division RECESSED WET WELL MOUNTED SEWAGE PUMP LIFT STATION U = Ea.
DRAWN: A. S. C.	
CHECKED: F. L. W.	N.T.S. N79-II p
PROJECT ENGINEER: F. L. W.	87D207

NO.	DATE	REVISIONS	BY	CK	A.E.	APP.
Δ	6-1-81	CHG. ELEV. ON INLET PIPE - CROSS SECTION				

U. S. DEPARTMENT OF ENERGY
GRAND JUNCTION, COLORADO

DESIGNED: F. L. W.
DRAWN: A. S. C.
CHECKED: F. L. W.
PROJECT ENGINEER: F. L. W.

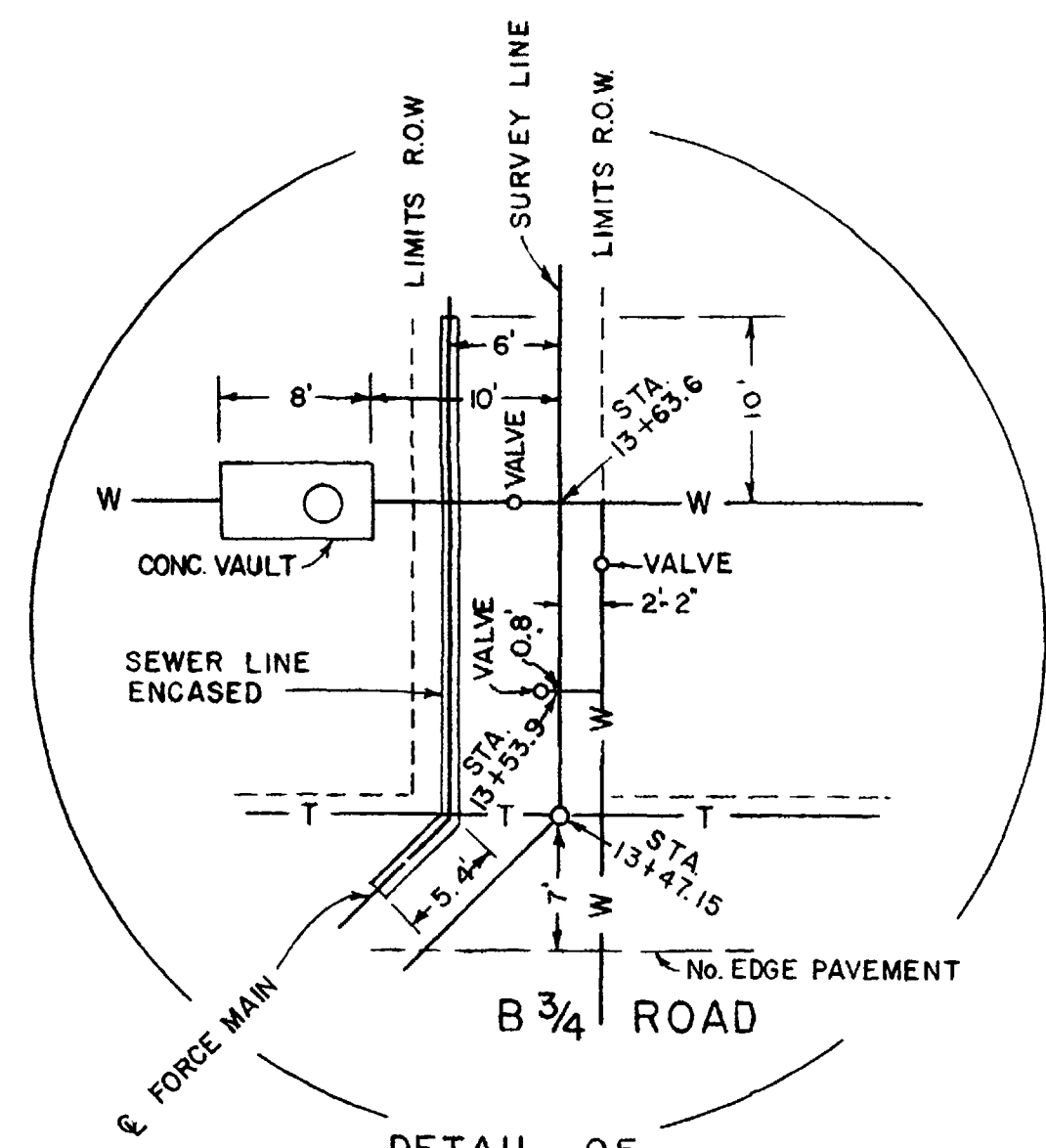
FACILITY SEWER SYSTEM UPGRADE LIFT STATION

SUBMITTED: USER APPROVAL DOE APPROVAL DATE 5-26-81

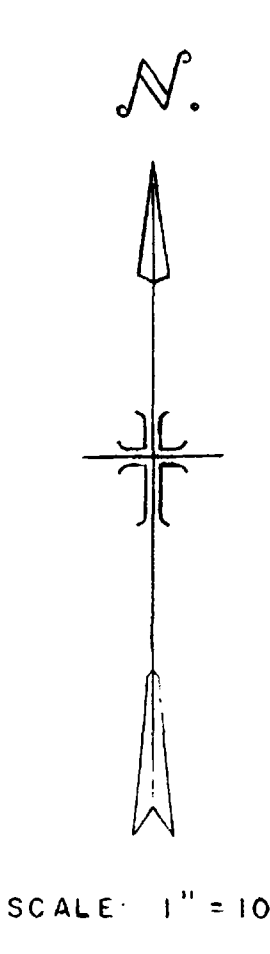
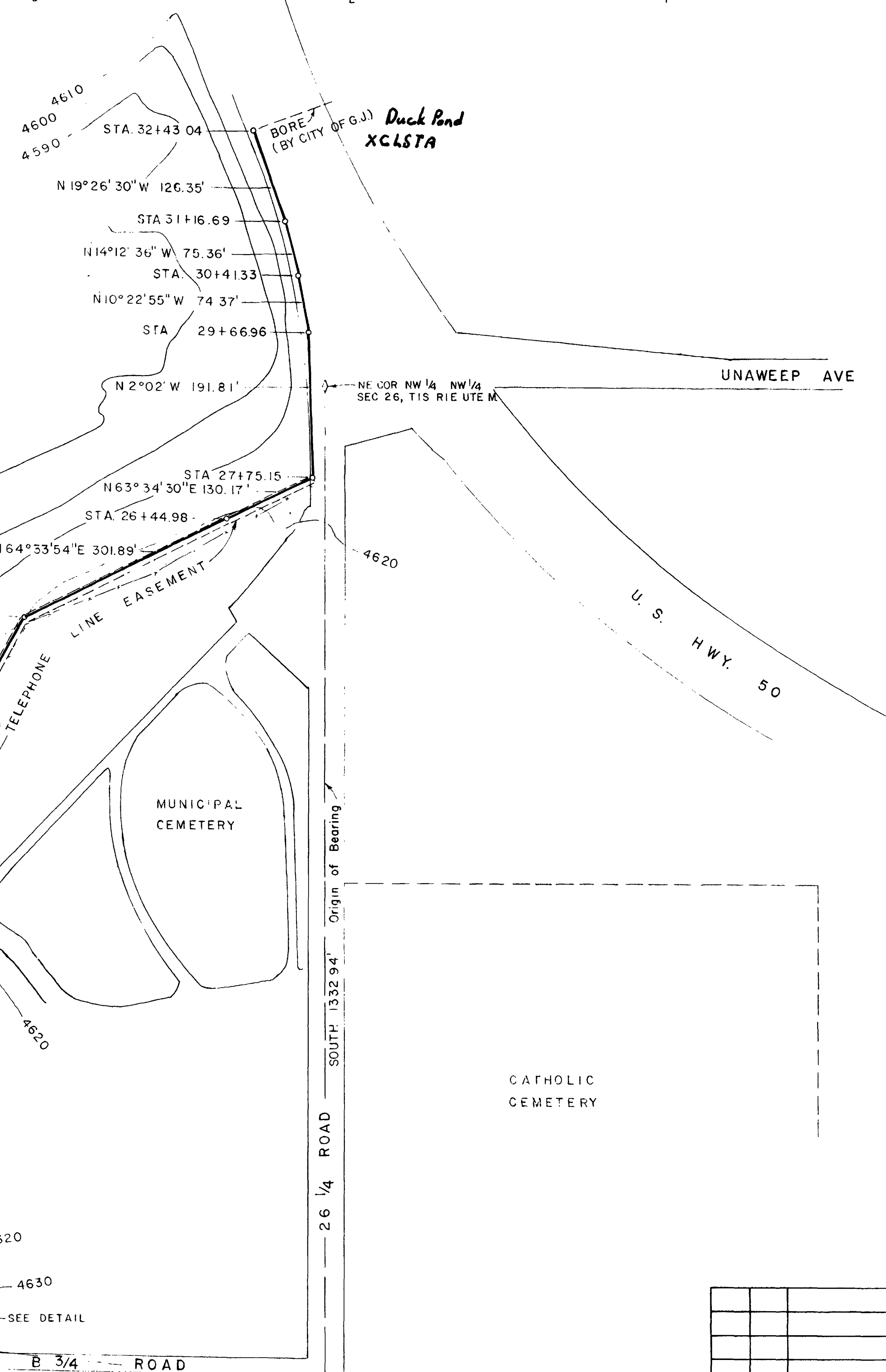
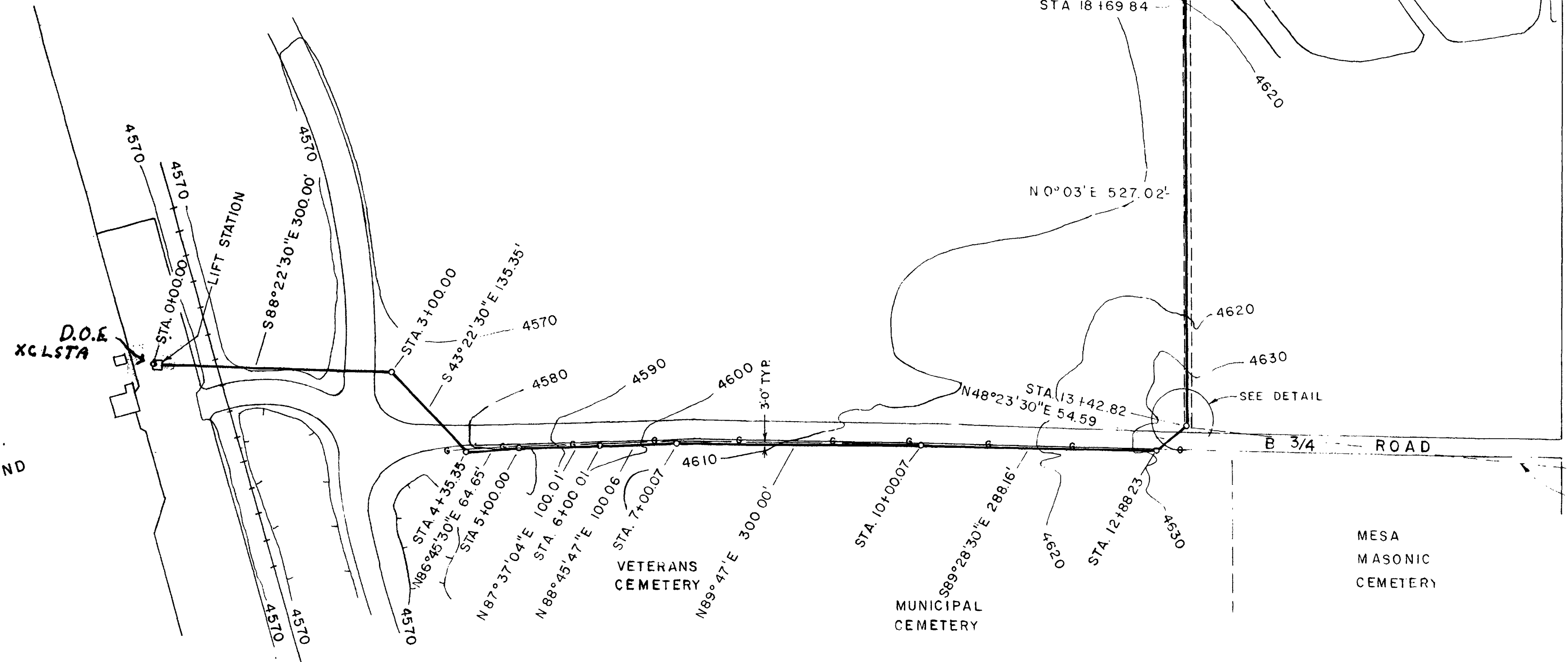
WESTERN ENGINEERS, INC. PROJECT NO. GJO-DR-81-1
DWG. NO. 573-912-X SHEET 8 OF 9

NOT TO SCALE

Frank L. Webster



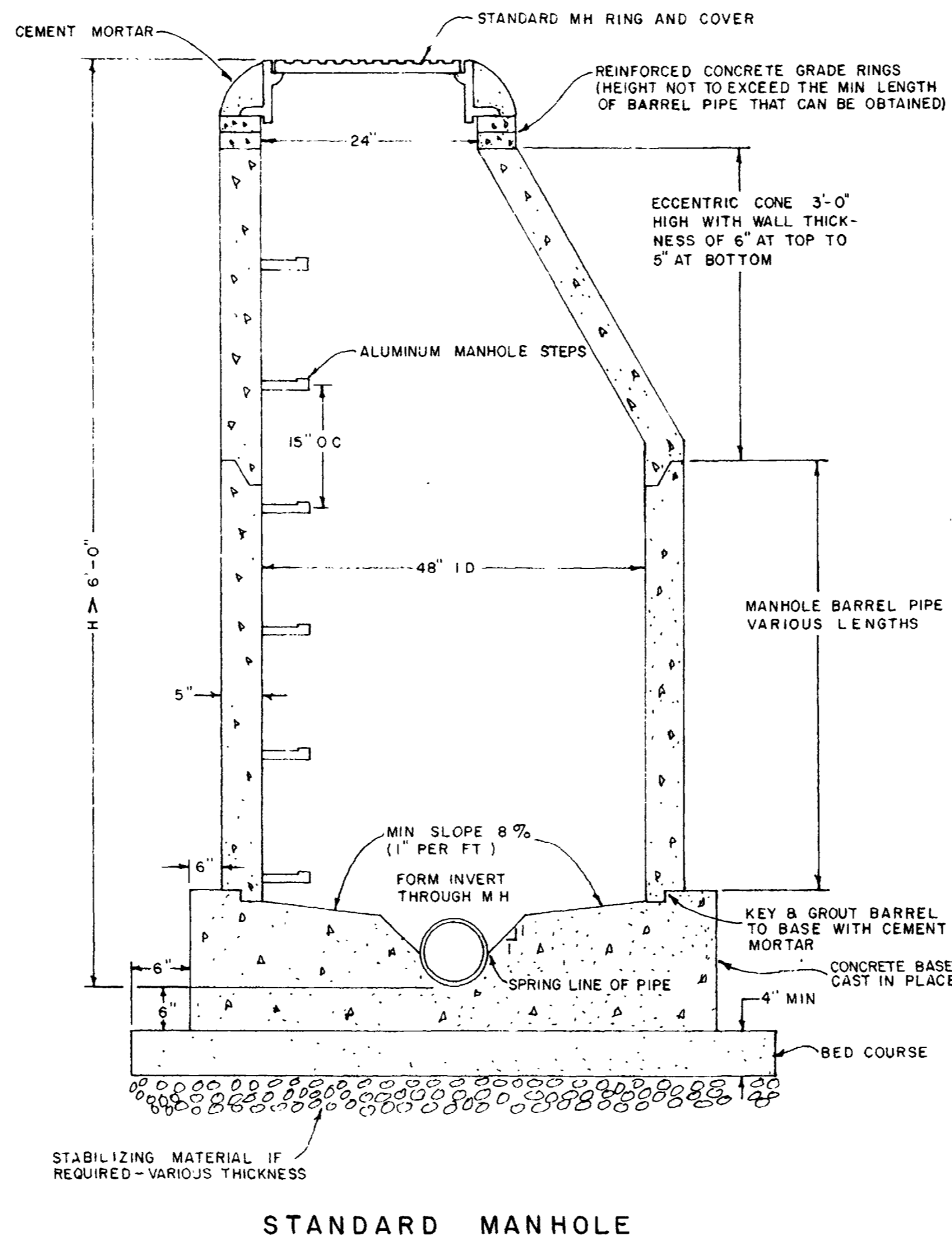
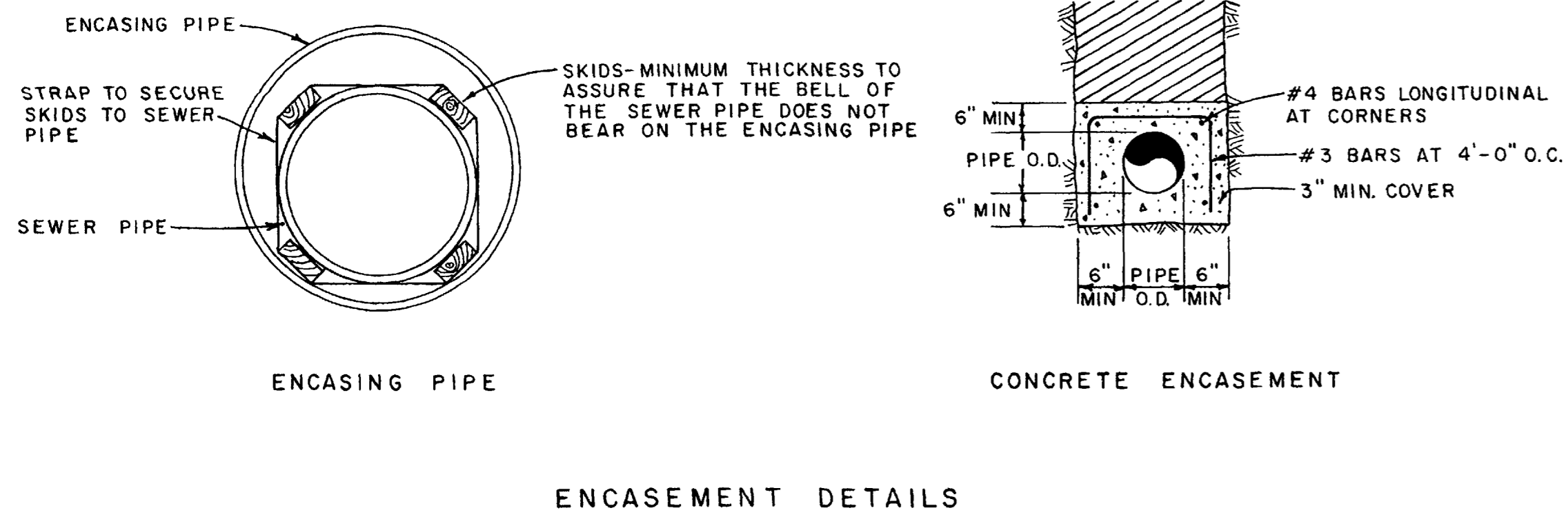
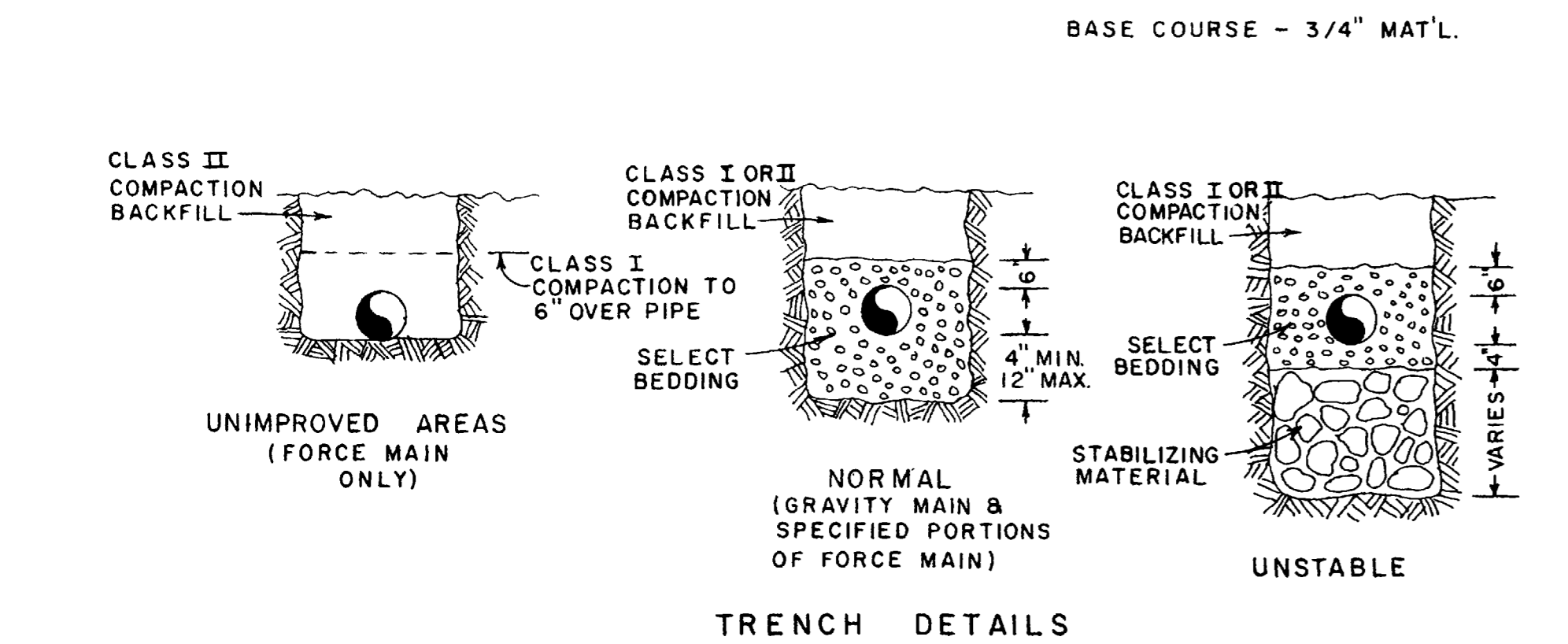
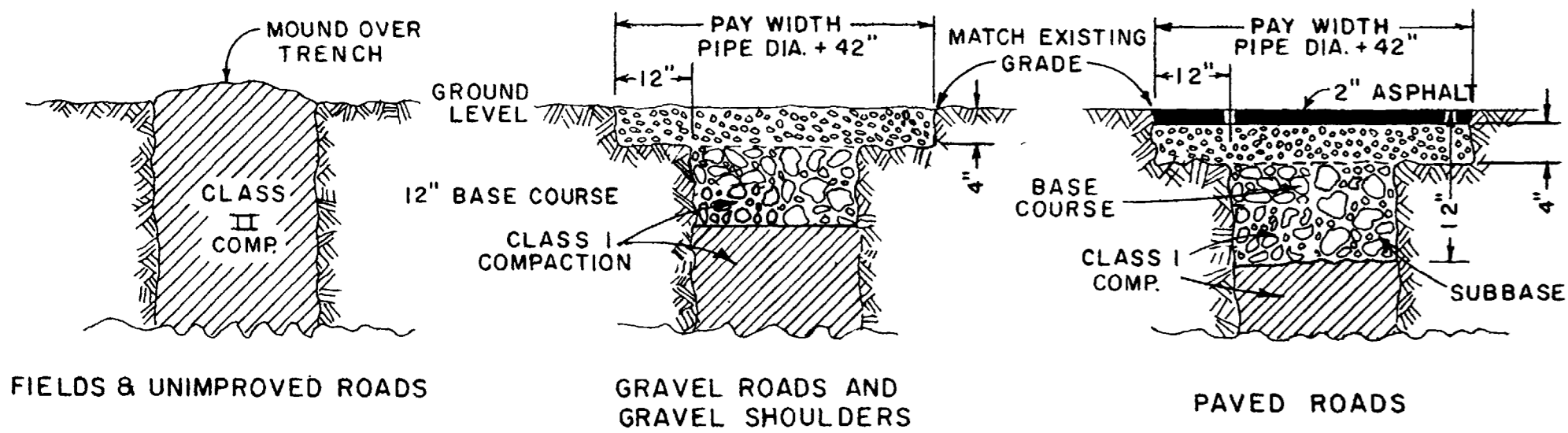
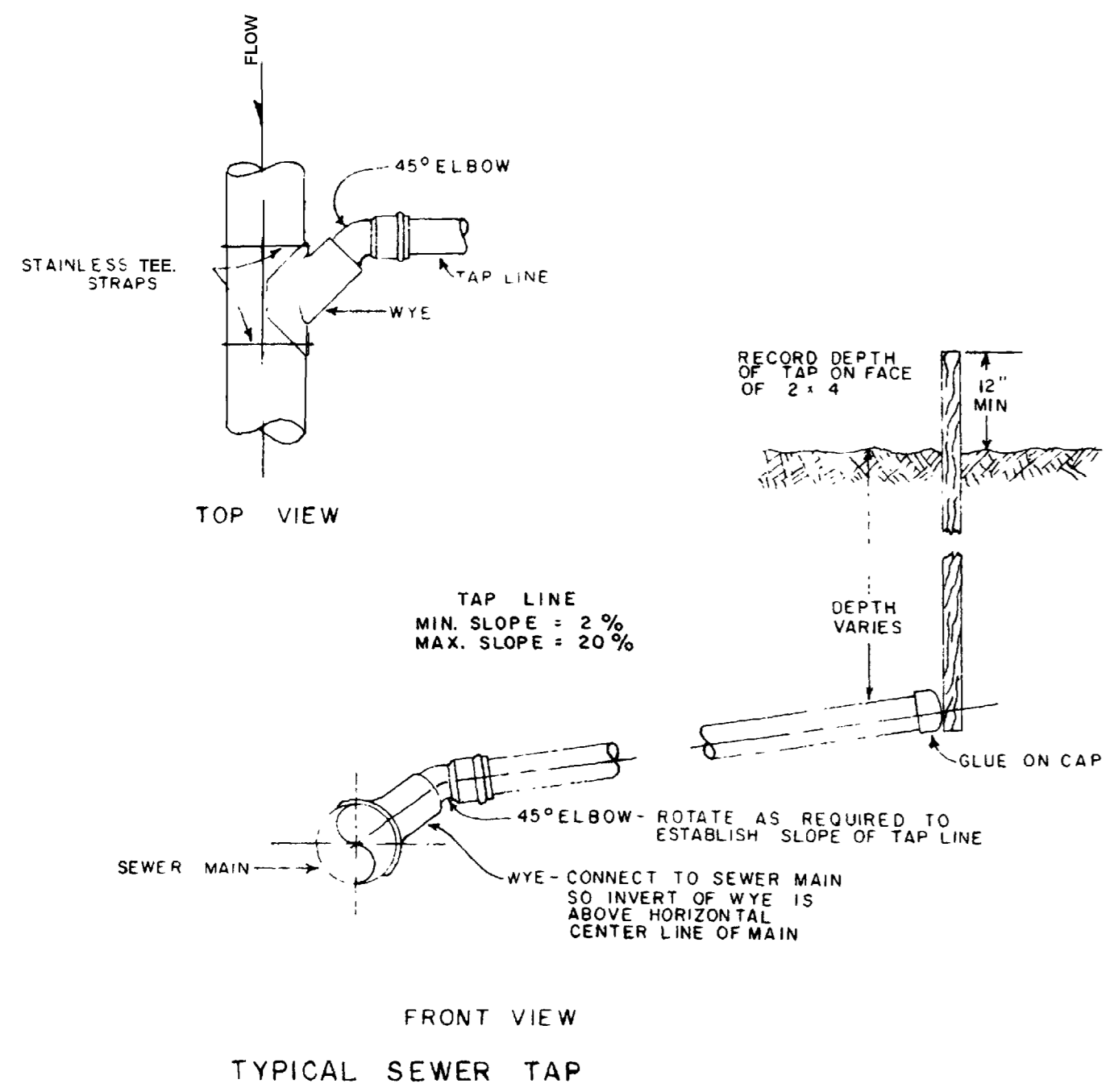
DETAIL OF
SEWER LINE
ENCASEMENT
B 3/4 ROAD &
MOUNTAIN BELL R.O.W.
SCALE: 1" = 10'-0"



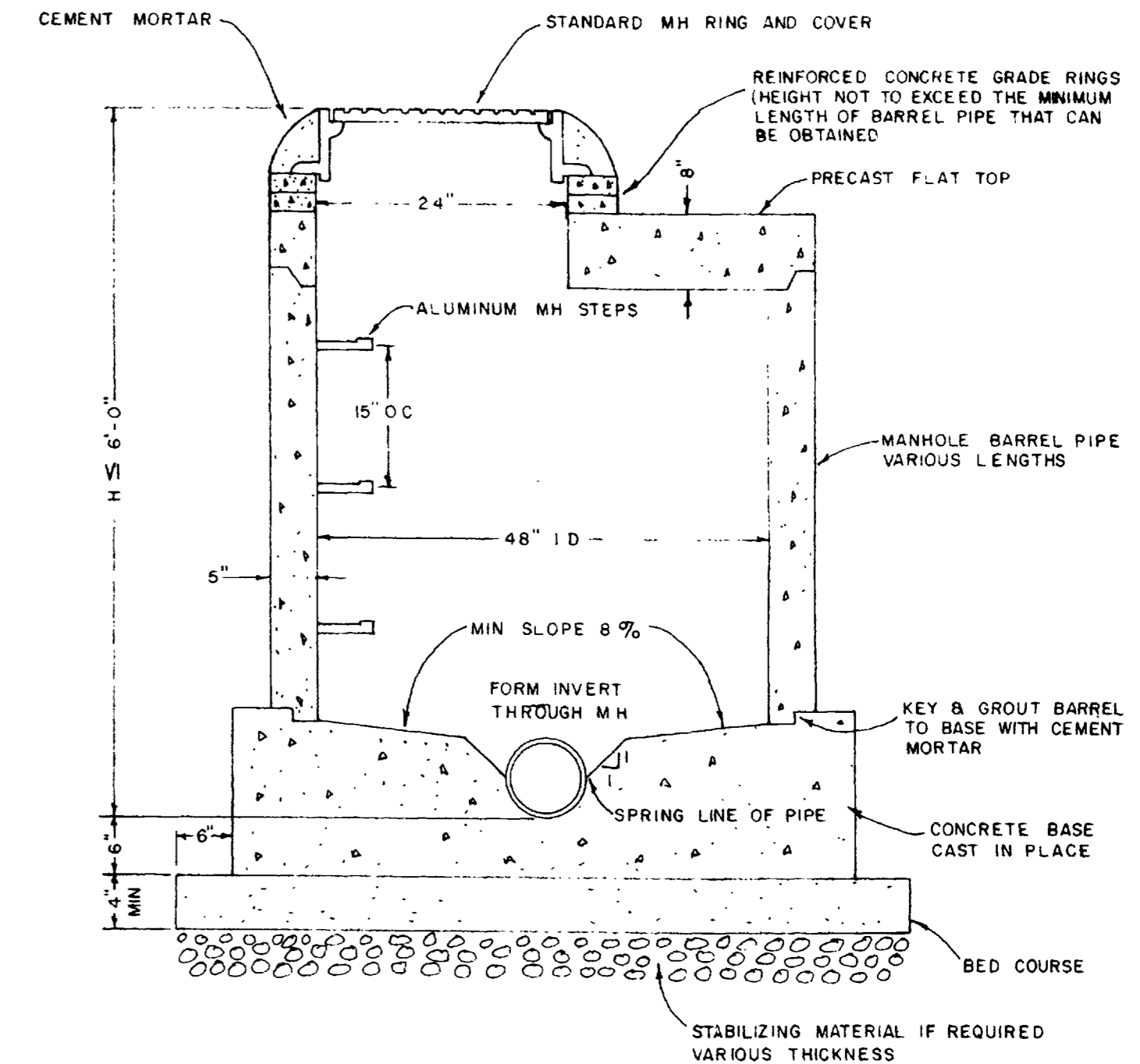
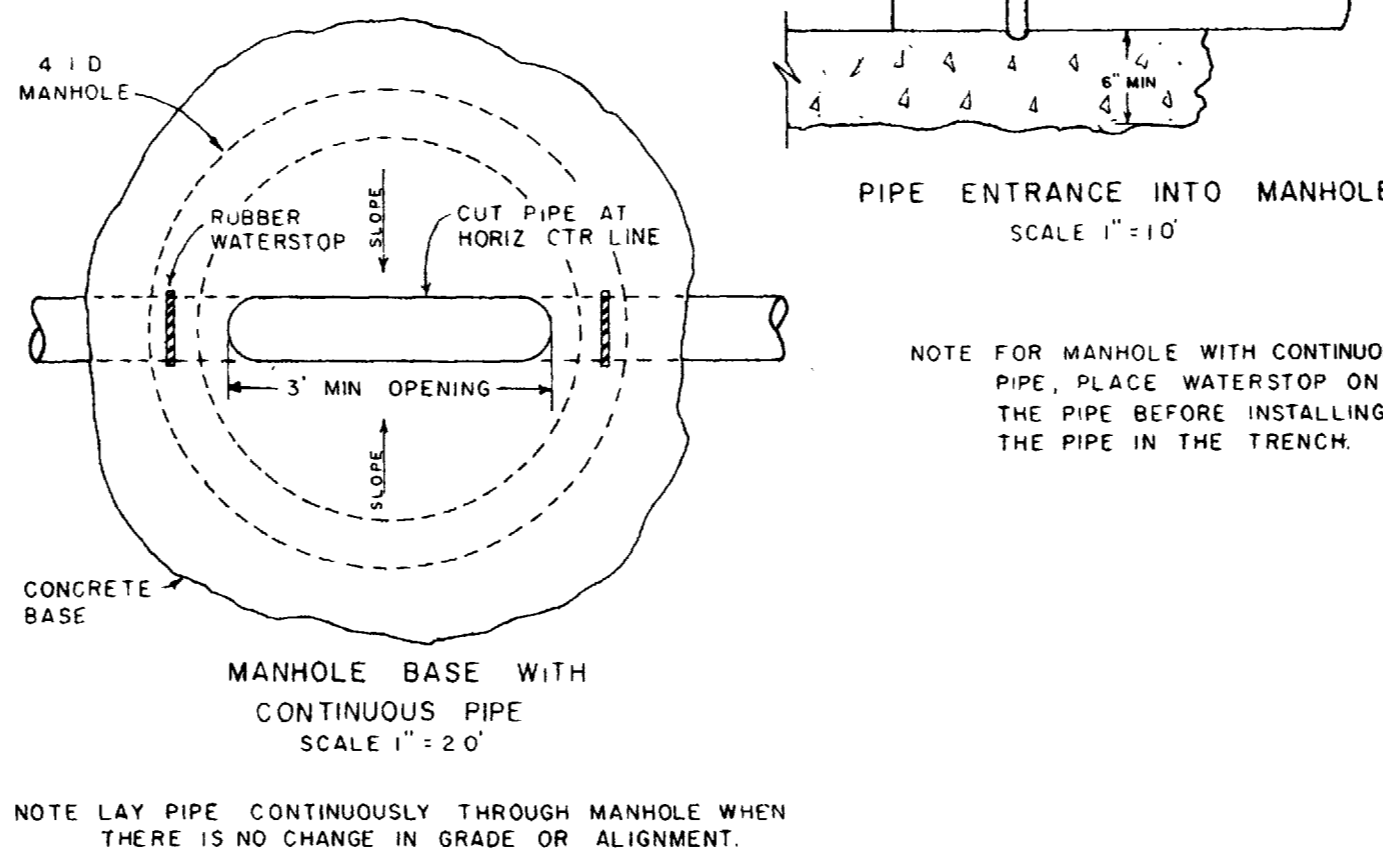
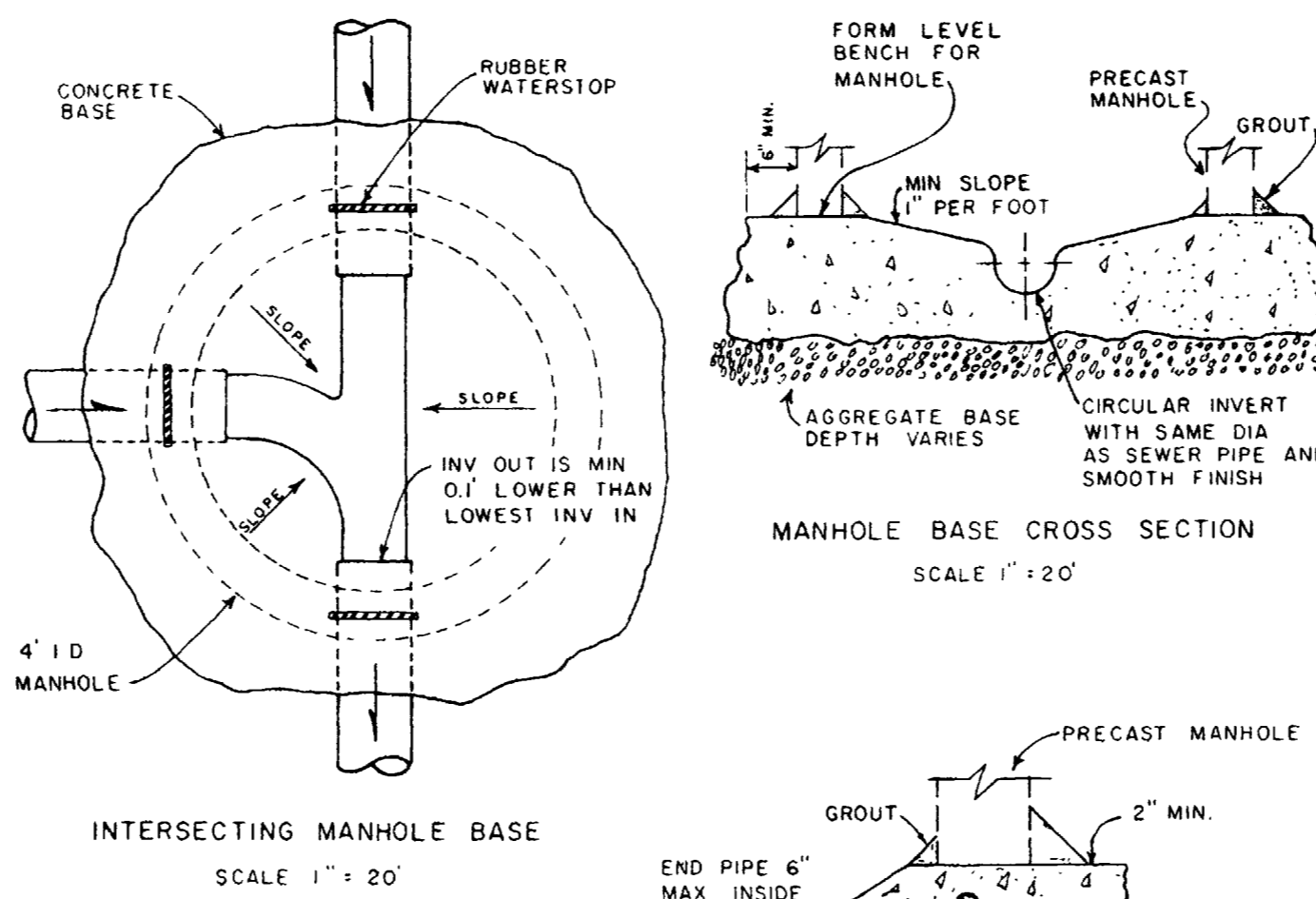
NO.		DATE		REVISIONS		BY	CK	A.E.	APP.
U. S. DEPARTMENT OF ENERGY GRAND JUNCTION, COLORADO									
DESIGNED:		FACILITY SEWER SYSTEM FORCE MAIN							
DRAWN:									
CHECKED:									
PROJECT ENGINEER:									
SUBMITTED:		USER APPROVAL		DOE APPROVAL		DATE			
PROJECT NO. _____									
DWG. NO. _____ SHEET 3 OF _____									

SE COR. NW 1/4 NW 1/4
SEC. 26, T1S R1E UTE M
Tie from
STA 13+42.82 to SE Cor
NW 1/4 NW 1/4 Sec. 26
Distance = 499.09
Bearing = S 84° 41' 59" E

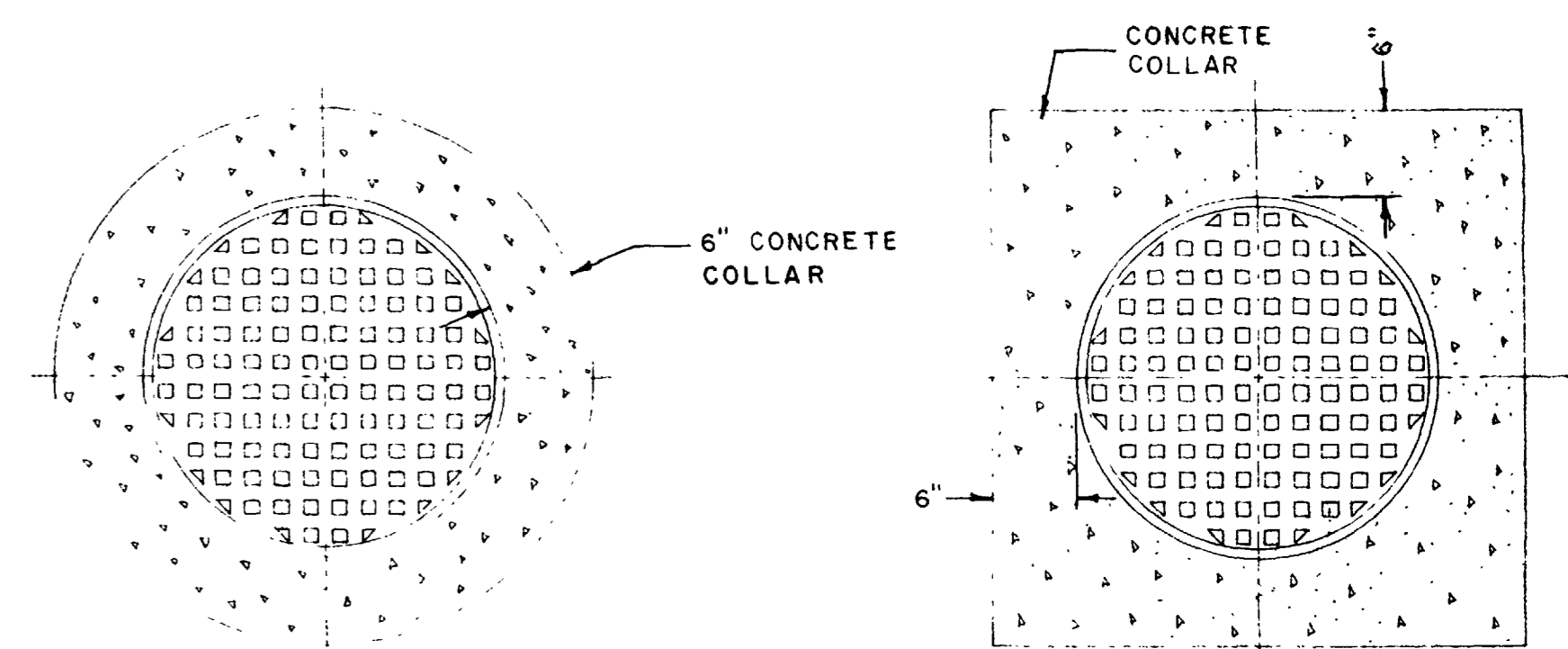
Frank L. Weber



STANDARD MANHOLE

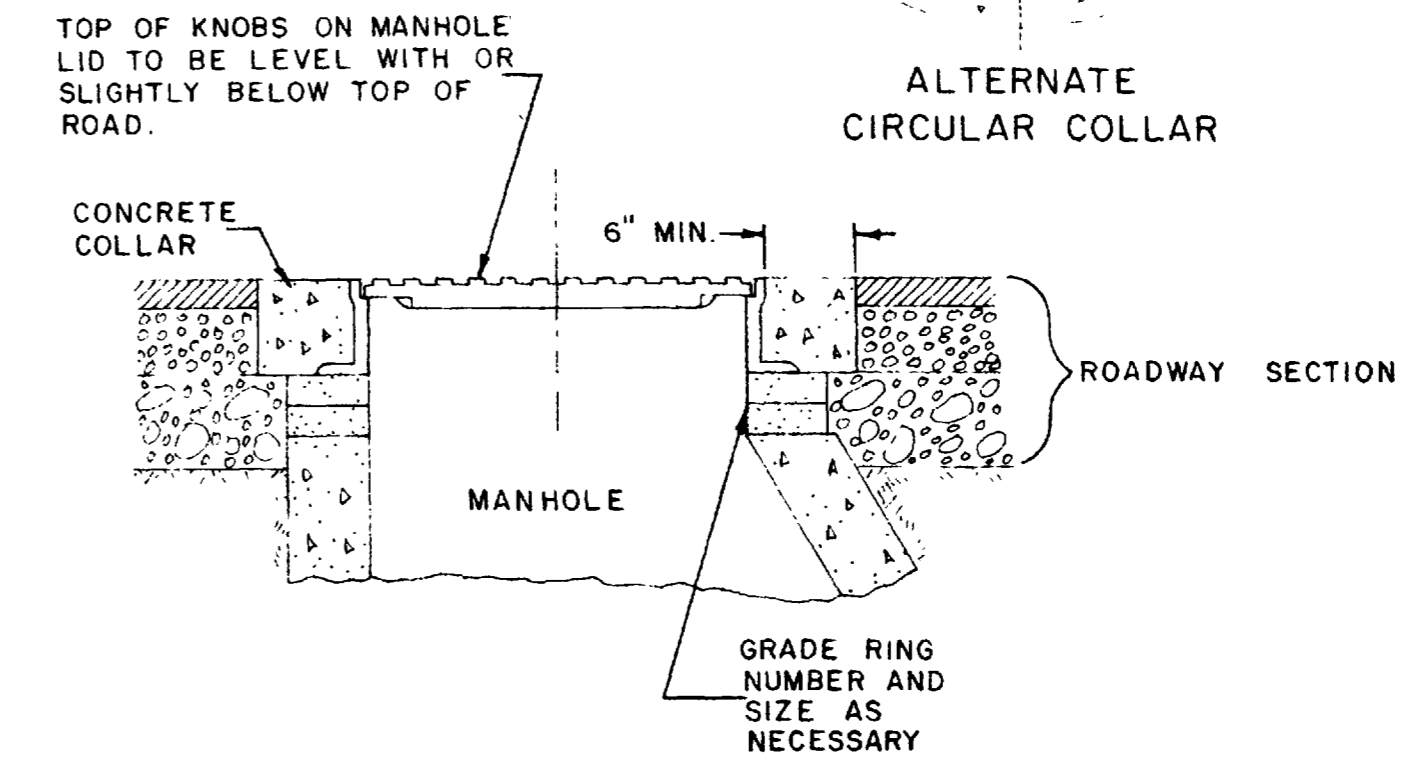


SHALLOW MANHOLE



ALTERNATE CIRCULAR COLLAR

ALTERNATE SQUARE COLLAR

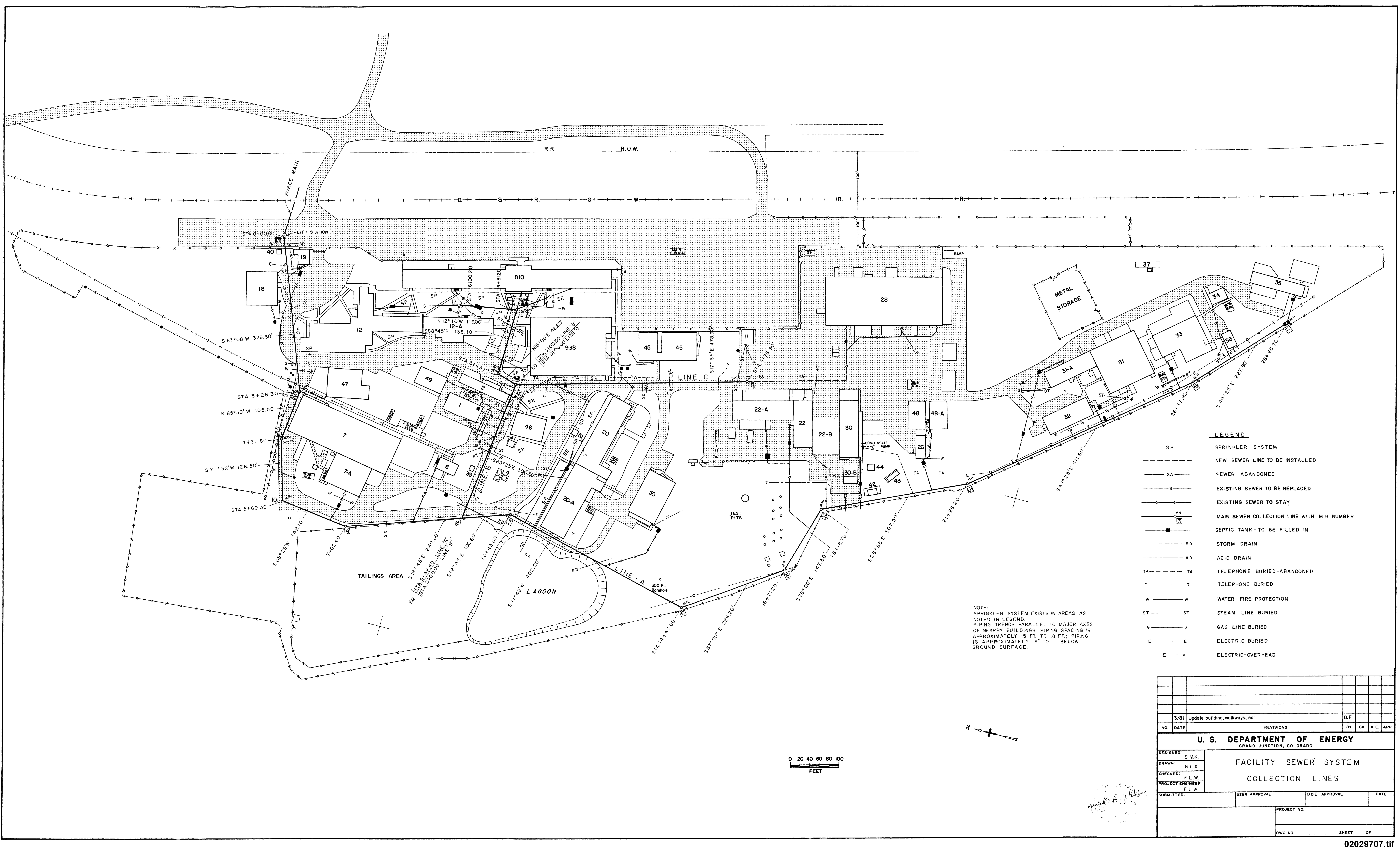


MANHOLE COLLAR FOR STREET SECTION

SCALE: 1" = 1'-0"

U. S. DEPARTMENT OF ENERGY			
GRAND JUNCTION, COLORADO			
FACILITY SEWER SYSTEM			
SEWER DETAILS			
DESIGNED:	S. M. K.	BY	CK A. E. APP.
DRAWN:	G. L. L.	DATE	
CHECKED:	F. L. W.	NO.	
PROJECT ENGINEER:	F. L. W.	DATE	4/14/81
SUBMITTED:		USER APPROVAL	DOE APPROVAL
PROJECT NO.			
DWG NO.			





- LEGEND**
- SP SPRINKLER SYSTEM
 - NEW SEWER LINE TO BE INSTALLED
 - SA --- SEWER - ABANDONED
 - S --- EXISTING SEWER TO BE REPLACED
 - EXISTING SEWER TO STAY
 - MH --- MAIN SEWER COLLECTION LINE WITH M.H. NUMBER
 - SEPTIC TANK - TO BE FILLED IN
 - SD --- STORM DRAIN
 - AD --- ACID DRAIN
 - TA --- TELEPHONE BURIED-ABANDONED
 - T --- TELEPHONE BURIED
 - W --- WATER-FIRE PROTECTION
 - ST --- STEAM LINE BURIED
 - G --- GAS LINE BURIED
 - E --- ELECTRIC BURIED
 - EO --- ELECTRIC-OVERHEAD

NOTE:
 SPRINKLER SYSTEM EXISTS IN AREAS AS NOTED IN LEGEND.
 PIPING TRENDS PARALLEL TO MAJOR AXES OF NEARBY BUILDINGS. PIPING SPACING IS APPROXIMATELY 15 FT. TO 18 FT.; PIPING IS APPROXIMATELY 5" TO BELOW GROUND SURFACE.

3/81 Update building, walkways, ect.		D.F.
NO.	DATE	REVISIONS
BY	CK	A.E.
APP.		
U. S. DEPARTMENT OF ENERGY GRAND JUNCTION, COLORADO		
DESIGNED: S.M.K.	FACILITY SEWER SYSTEM	
DRAWN: G.L.A.	COLLECTION LINES	
CHECKED: F.L.W.	PROJECT ENGINEER	
PROJECT ENGINEER	F.L.W.	
SUBMITTED:	USER APPROVAL	DOE APPROVAL
		DATE
PROJECT NO.		
DWG. NO. SHEET OF		