

S1121032

**RECORD DRAWING**  
 Prepared by *[Signature]*  
 No Changes  
 Date 11-19-92  
 Any Changes Using This Drawing Must Be  
 All references by including the sheet

MANHOLE	
Location	Quantity
SACRAMENTO BLVD. Sta.6+55 (Rt.) Sta.7+33 (Rt.)	1 EA. 1 EA.
PINE STREET Sta.8+42 (Rt.) Sta.10+42 (Rt.)	1 EA. 1 EA.
<b>Total</b>	<b>4 EA.</b>

30" DIA. ALTERNATIVE PIPE	
Location	Quantity
SACRAMENTO BLVD. Sta.7+33 (Rt.)	8 L.F.
<b>Total</b>	<b>8 L.F.</b>

A.C. MISC. AREAS (Trench Repair 0.70')	
Location	Quantity
SACRAMENTO BLVD. Sta.6+55 (M.H.) to Sta.7+33 (M.H.) Sta.7+33 (M.H.) to Sta.9+30 (E.P.)	123 S.Y. 187 S.Y.
PINE STREET Sta.8+42 (M.H.) to Sta.12+46 (E.P.) Sta.9+30 (X-Drain)	187 S.Y. 13 S.Y.
<b>Total</b>	<b>510 S.Y.</b>

FRAME & COVER (Manhole)	
Location	Quantity
SACRAMENTO BLVD. Sta.6+55 (Rt.) Sta.7+33 (Rt.)	1 EA. 1 EA.
PINE STREET Sta.8+42 (Rt.) Sta.10+42 (Rt.)	1 EA. 1 EA.
<b>Total</b>	<b>4 EA.</b>

36" DIA. ALTERNATIVE PIPE	
Location	Quantity
SACRAMENTO BLVD. Sta.6+55 (Rt.)	8 L.F.
<b>Total</b>	<b>8 L.F.</b>

EARTHWORK MISC. AREAS	
Location	Quantity
SACRAMENTO BLVD. Sta.7+05 (Lt.) to Sta.7+55 (Lt.)	0.50 Sta.
PINE STREET Sta.7+65 (Lt.) to Sta.8+75 (Lt.) Sta.8+22 (Rt.) to Sta.8+62 (Rt.) Sta.10+12 (Rt.) to Sta.10+72 (Rt.)	1.10 Sta. 0.40 Sta. 0.60 Sta.
<b>Total</b>	<b>2.60 Sta.</b>

FRAME & GRATE (18" S.D.I.)	
Location	Quantity
SACRAMENTO BLVD. Sta.7+10 (Lt.)	1 EA.
PINE STREET Sta.7+95 (Lt.) Sta.8+42 (Rt.) Sta.10+42 (Rt.)	1 EA. 1 EA. 1 EA.
<b>Total</b>	<b>4 EA.</b>

42" DIA. ALTERNATIVE PIPE	
Location	Quantity
SACRAMENTO BLVD. Sta.6+55 (Rt.)	8 L.F.
<b>Total</b>	<b>8 L.F.</b>

12" DIA. ALTERNATIVE PIPE	
Location	Quantity
SACRAMENTO BLVD. Sta.6+19 (Lt.) Lateral Sta.7+10 (Lt.) Lateral Sta.7+33 (Rt.) Stub N.E. Corner	55 L.F. 75 L.F. 8 L.F.
PINE STREET Sta.7+95 (Lt.) Lateral Sta.8+42 (Rt.) Lateral Sta.10+42 (Rt.) Lateral	49 L.F. 15 L.F. 18 L.F.
<b>Total</b>	<b>220 L.F.</b>

FRAME & GRATE STANDARD (STD. S.D.I.)	
Location	Quantity
SACRAMENTO BLVD. Sta.6+19 (Lt.)	1 EA.
<b>Total</b>	<b>1 EA.</b>

60" DIA. ALTERNATIVE PIPE	
Location	Quantity
SACRAMENTO BLVD. Sta.6+55 (M.H.) to Sta.7+33 (M.H.) Sta.7+33 (M.H.) to Exist. Sta.11+35.64 Exist. Stub Sta.11+35.64	76 L.F. 383 L.F. -8 L.F.
<b>Total</b>	<b>451 L.F.</b>

18" DIA. ALTERNATIVE PIPE	
Location	Quantity
PINE STREET Sta.8+43 (Rt.) to Sta.10+42 (Rt.)	199 L.F.
<b>Total</b>	<b>199 L.F.</b>

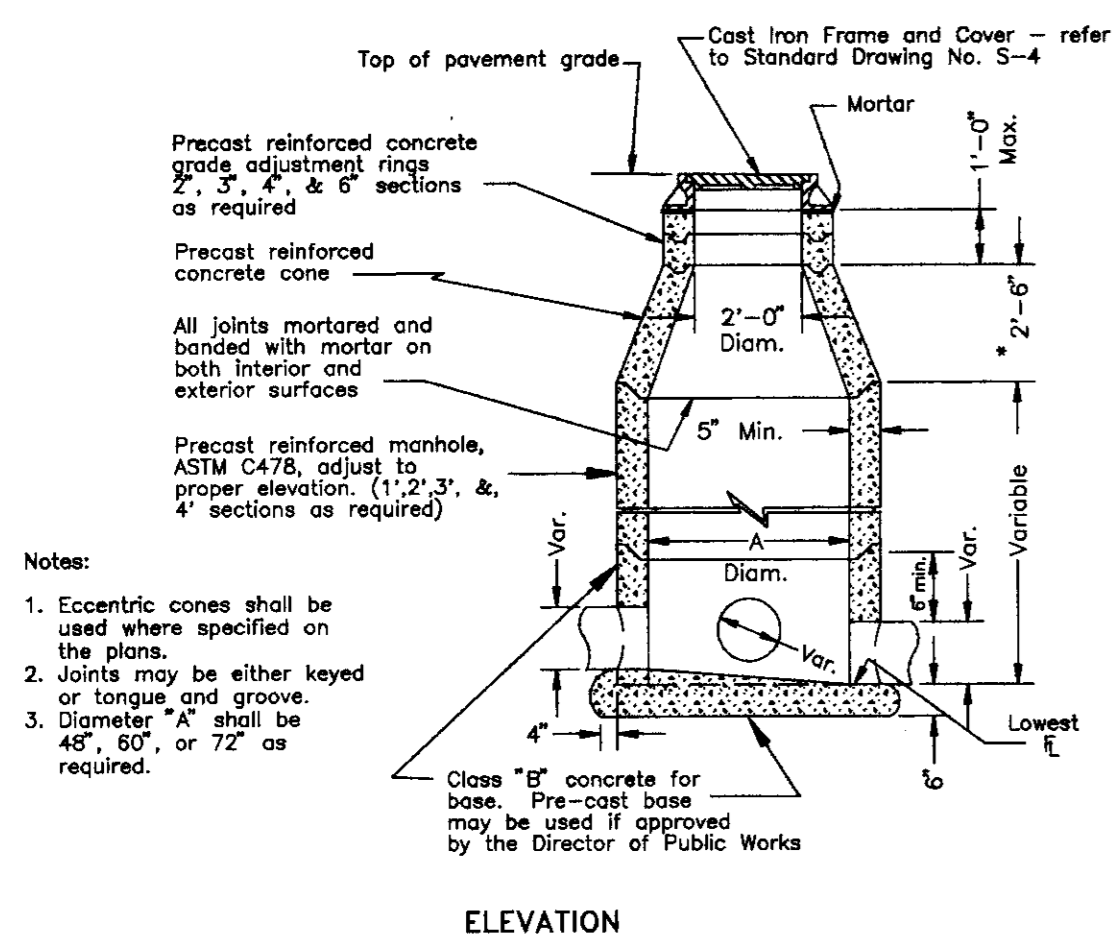
ALTERNATIVE SEWER PIPE				
Allowable Pipe Material				
DESIGNATION	PVC		RCP	
	SIZE	SDR	SIZE	CLASS
12" Alt. Pipe	12"	35	12"	III
18" Alt. Pipe			18"	III
21" Alt. Pipe			21"	III
36" Alt. Pipe			36"	III
39" Alt. Pipe			39"	III
60" Alt. Pipe			60"	III

18" STORM DRAIN INLET	
Location	Quantity
SACRAMENTO BLVD. Sta.7+10 (Lt.)	1 EA.
PINE STREET Sta.7+95 (Lt.) Sta.8+42 (Rt.) Sta.10+42 (Rt.)	1 EA. 1 EA. 1 EA.
<b>Total</b>	<b>4 EA.</b>

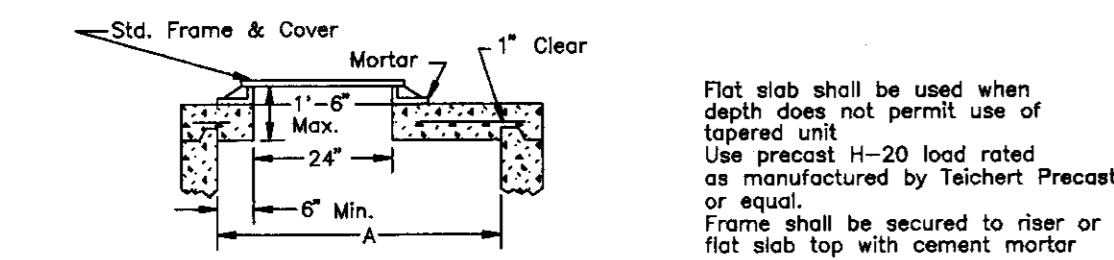
21" DIA. ALTERNATIVE PIPE	
Location	Quantity
PINE STREET M.H. Sta.10+42 (Rt.) to Exist. M.H. Sta.12+51.04	197 L.F.
<b>Total</b>	<b>197 L.F.</b>

STANDARD STORM DRAIN INLET	
Location	Quantity
SACRAMENTO BLVD. Sta.6+19 (Lt.)	1 EA.
<b>Total</b>	<b>1 EA.</b>

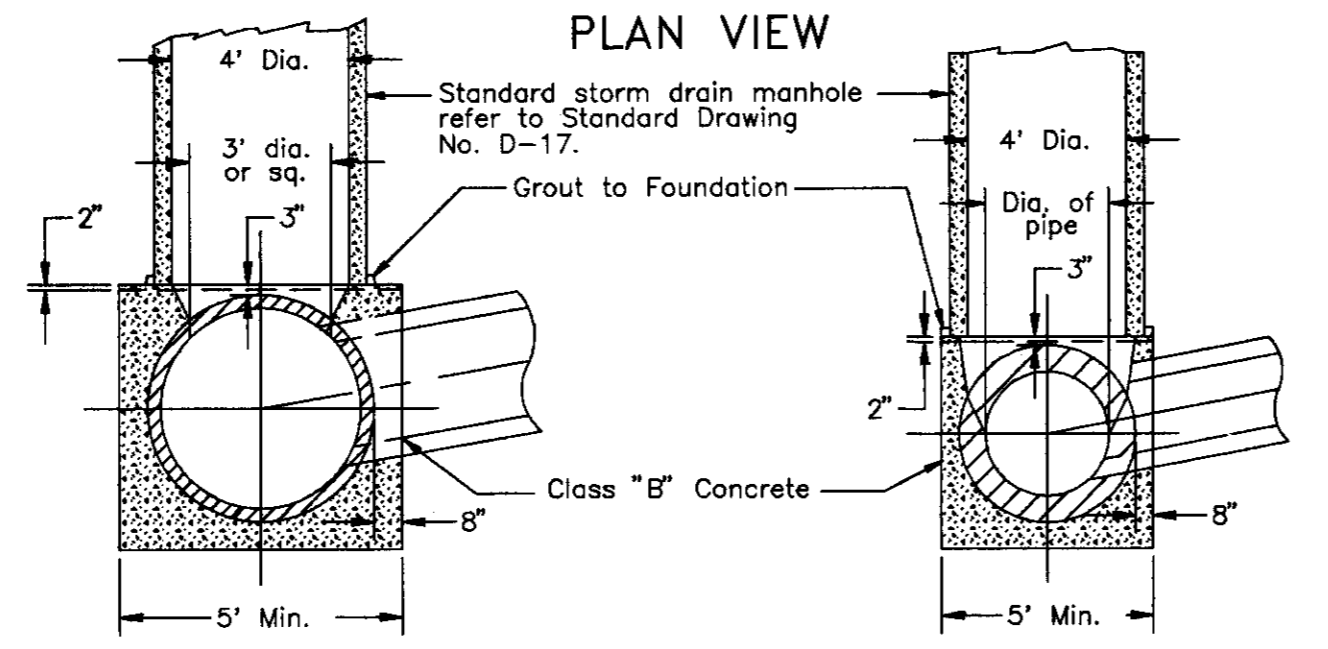
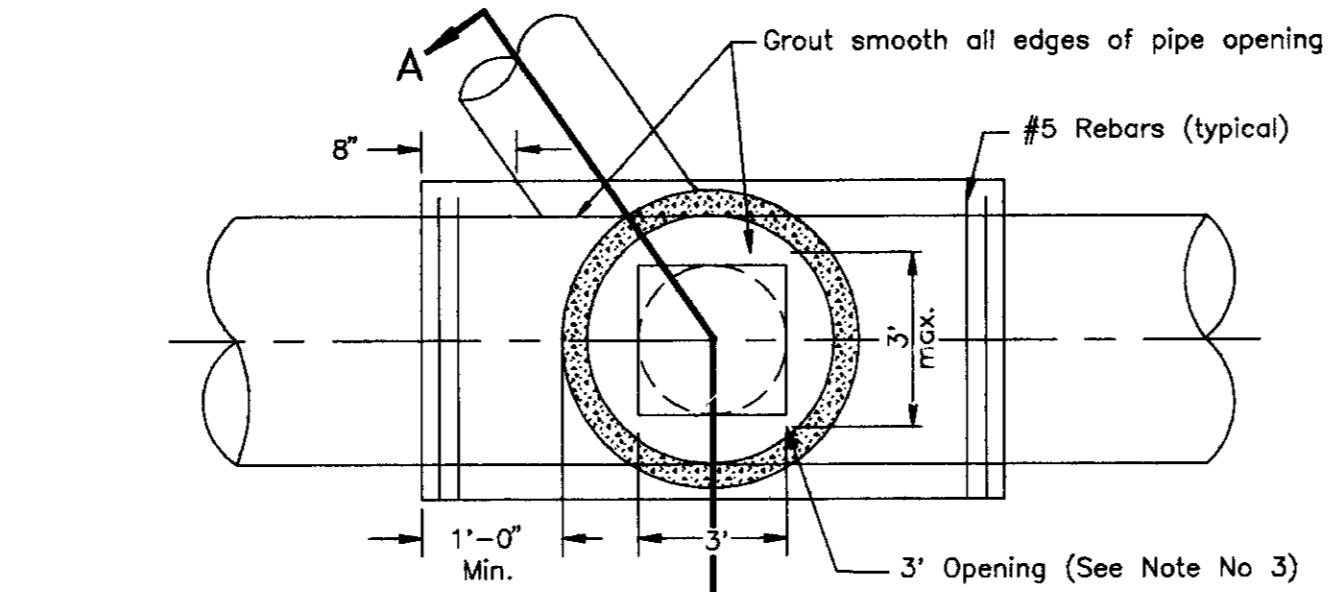
REVISIONS	DATE	DRAWN BY C. WHITE	DATE 12/26/91	PROJECT ENGINEER <i>[Signature]</i>	DATE 2/1/92	CHECKED <i>[Signature]</i>	DATE 2/1/92	SUBMITTED <i>[Signature]</i>	DATE 4/1/92	APPROVED <i>[Signature]</i>	DATE 7/1/92	COUNTY OF SAN JOAQUIN	PLAN SCALE: As Shown	CONSTRUCTION NOTES	THORNTON DRAINAGE PROJECT PHASE 3	SHEET NO. 6	TOTAL SHEETS 6
FILE NAME	DRAWER	SHEET NO.	ACAD														
				D:\THORNTON\CONSTANTS													



NOTE: A 1'-6" concrete cone may be used if approved by the Director of Public Works

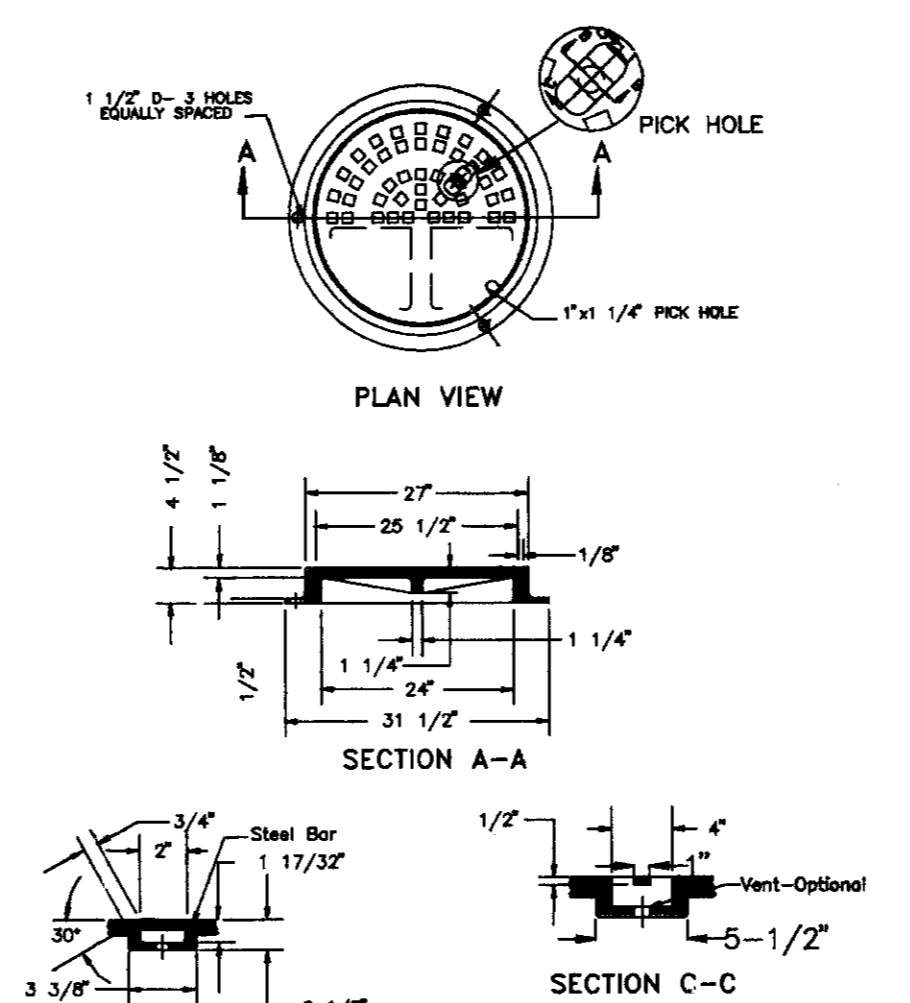


**STANDARD STORM DRAIN MANHOLE**



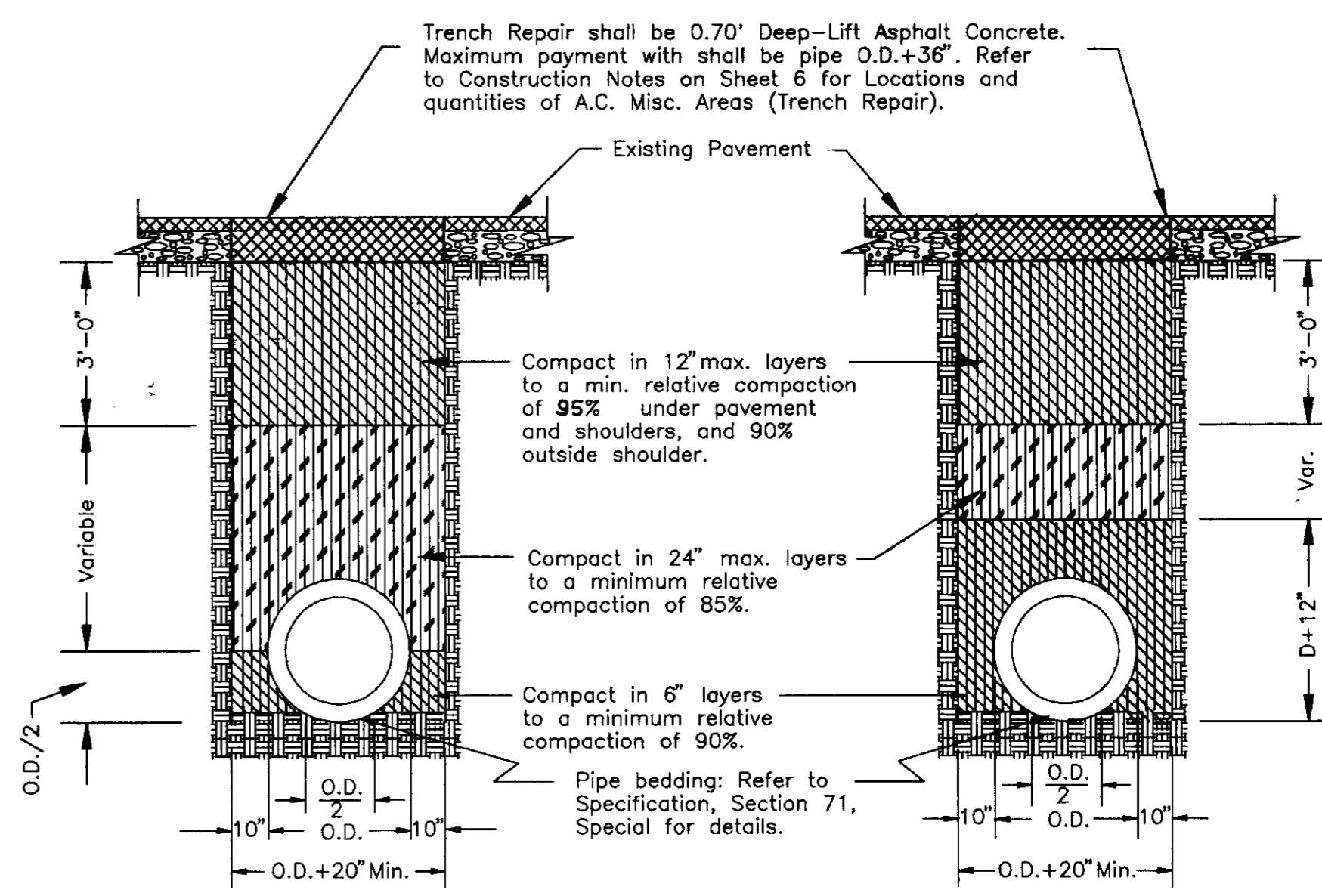
- NOTES:  
1. The foundation shall be a minimum of 5' for 44" O.D. pipe and smaller.  
2. For pipe larger than 44" O.D., the foundation shall extend a minimum of 8' beyond each side of the pipe.  
3. Opening to be 3' long x (I.D. of pipe) wide, up to 36" I.D. pipe. For pipes larger than 36" I.D., opening to be 36" diameter or square.

**SADDLE-TYPE MANHOLE FOR PIPE 24" DIA. AND LARGER**



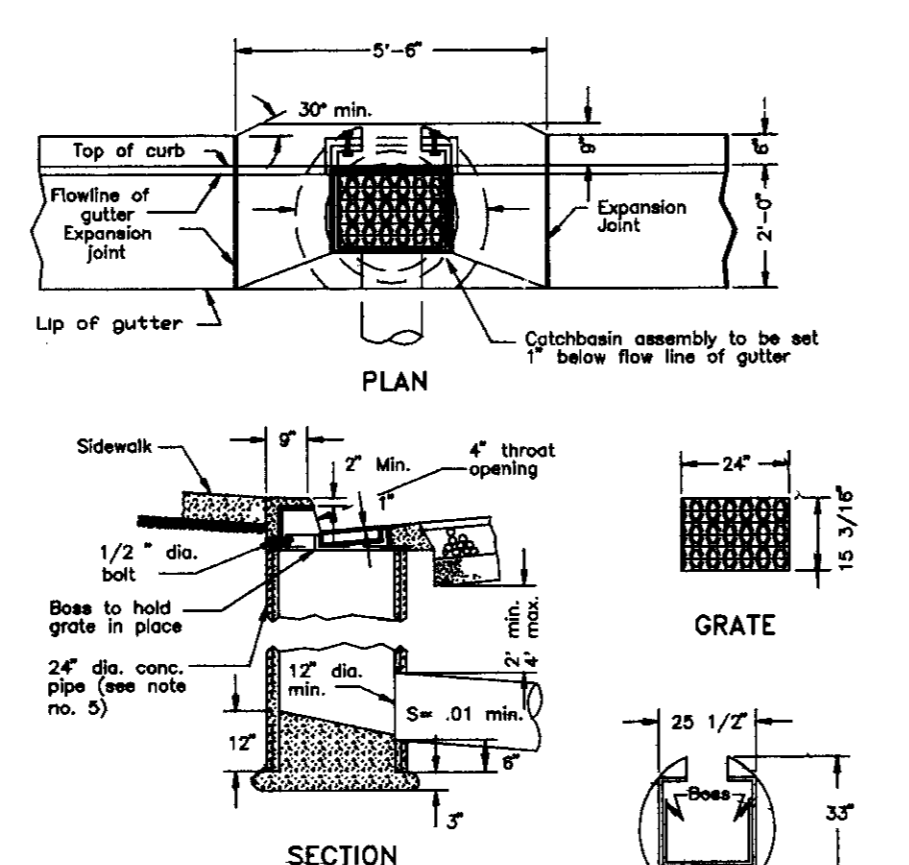
**FRAME & COVER (MANHOLE)**

**FRAME & COVER (Manhole)**



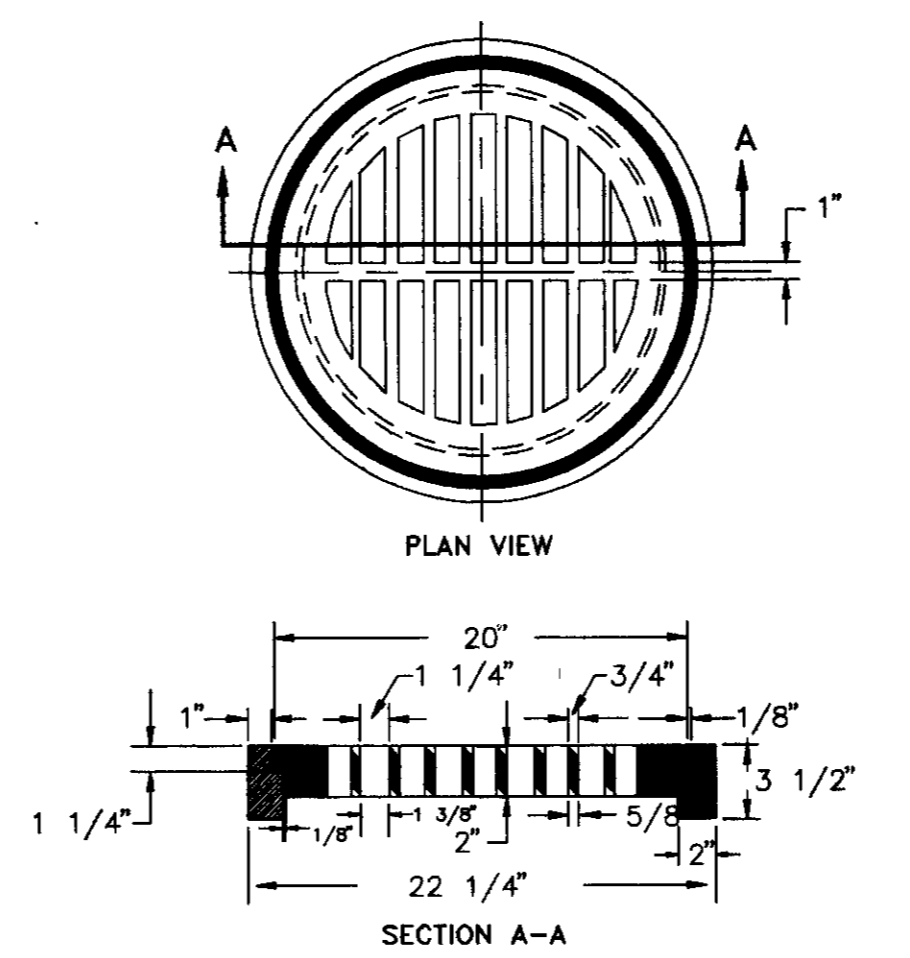
- NOTES:  
1. Relative compaction of materials shall be tested by the State of California, Dept. of Transportation Testing Manual, test method No. California 216 or 231.  
2. All existing pavement shall be neatly cut to line prior to trench excavation.

**TYPICAL TRENCH DETAIL**

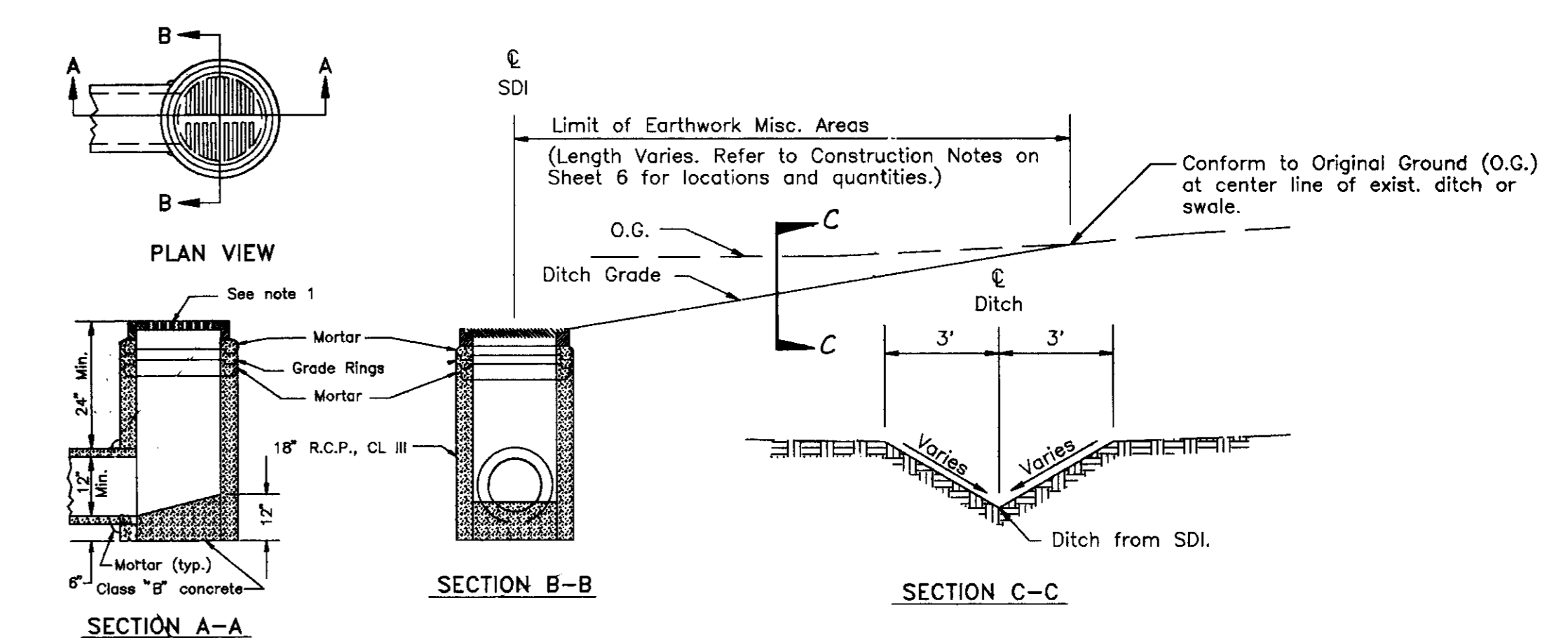


- NOTES:  
1. All exposed steel shall be dipped with a solution of copper tar pitch heated to a minimum of 180° or galvanized.  
2. Grate, frame and side inlet shall conform to South Bay Industry A-540 frame with either A-390 riveted or A-390-L fabricated steel grate.  
3. Grate shall be checked to frame.  
4. Grate shall be depressed 1" below gutter frame grade.  
5. 24" pipe inlet shall be class II R.C.P. or class 2 or 3 non-reinforced concrete pipe.

**TYPE 1 CURB INLET CATCHBASIN**  
**STANDARD STORM DRAIN INLET**



**FRAME & GRATE (18" Storm Drain Inlet)**



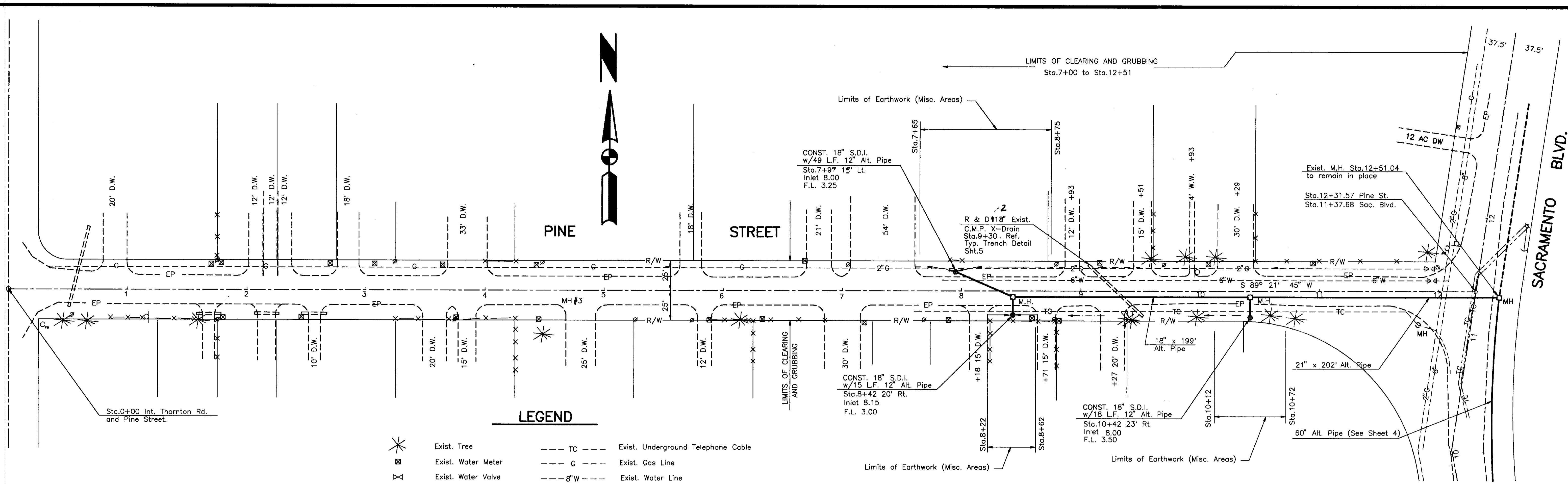
**18" STORM DRAIN INLET**

RECORD DRAWING  
J.C. White  
8/29/91  
11-19-92

DRAWN BY J.C. WHITE	DATE 8/29/91	PROJECT ENGINEER J.C. White	DATE 2/7/92	CHECKED Dan Nelson	DATE 2/1/92	SUBMITTED Manuel Lopez	DATE 2/1/92	APPROVED [Signature]	DATE 2/1/92	COUNTY OF SAN JOAQUIN	PLAN SCALE: As Shown	CONSTRUCTION DETAILS	THORNTON DRAINAGE PROJECT PHASE 3	SHEET NO. 5	TOTAL SHEETS 6
FILE NAME	DRAWER	SHEET NO.	ACAD	D:\THORNTON\CONSTDET											

THORNTON ROAD

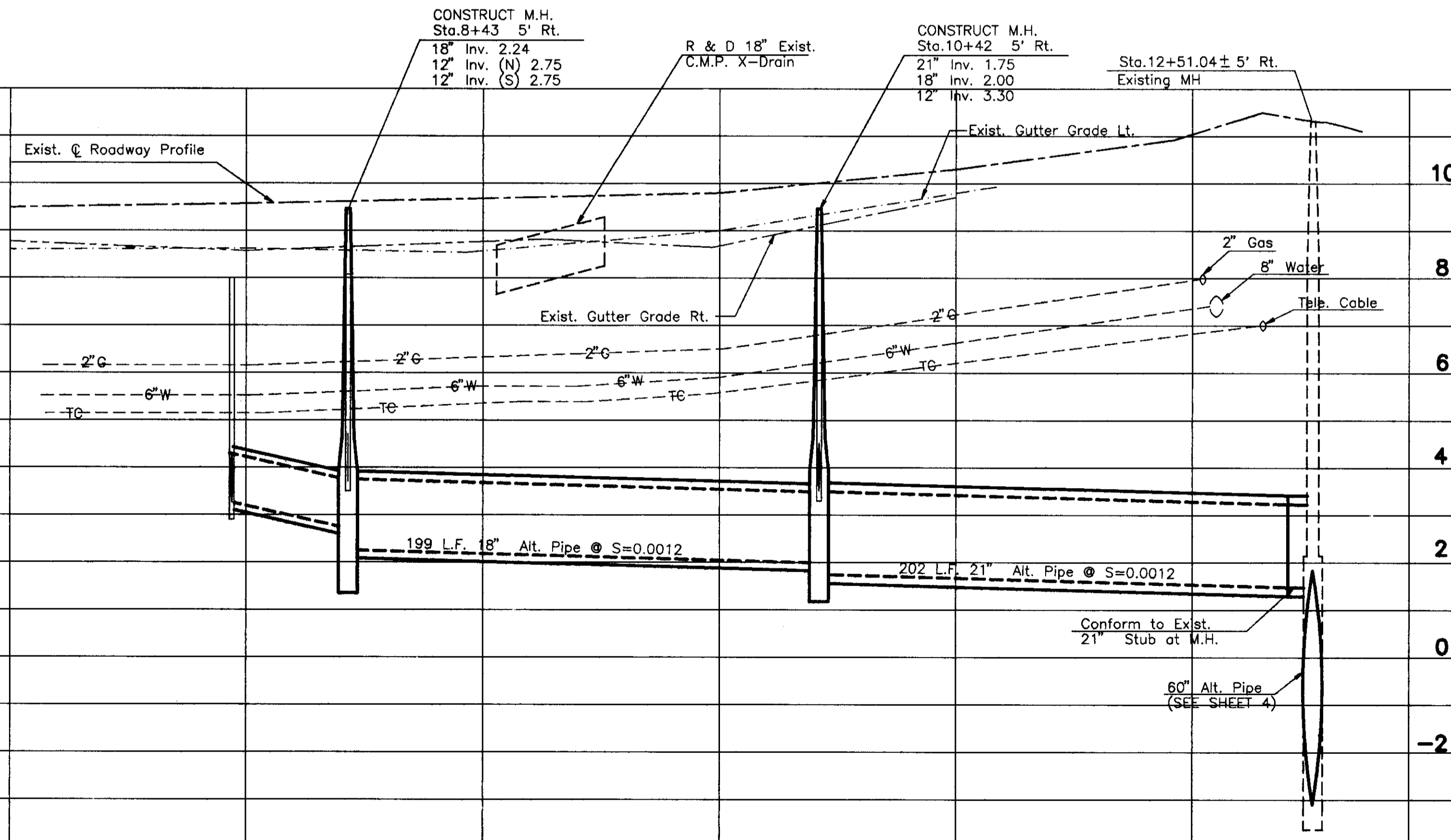
SACRAMENTO BLVD.



**LEGEND**

	Exist. Tree		Exist. Underground Telephone Cable
	Exist. Water Meter		Exist. Gas Line
	Exist. Water Valve		Exist. Water Line
	Exist. Fire Hydrant		Exist. Drainage
	Exist. Power Pole		
	Exist. Fence		
	Exist. Street Sign		
	Exist. Manhole		

- Notes:**
- See Construction Notes on Sheet 6 for locations of A.C. Misc. Areas (Trench Repair).
  - Alt. Pipe denotes Alternative Storm Sewer Pipe.
  - The Contractor shall remove, salvage and reinstall all signs as directed by the Engineer.

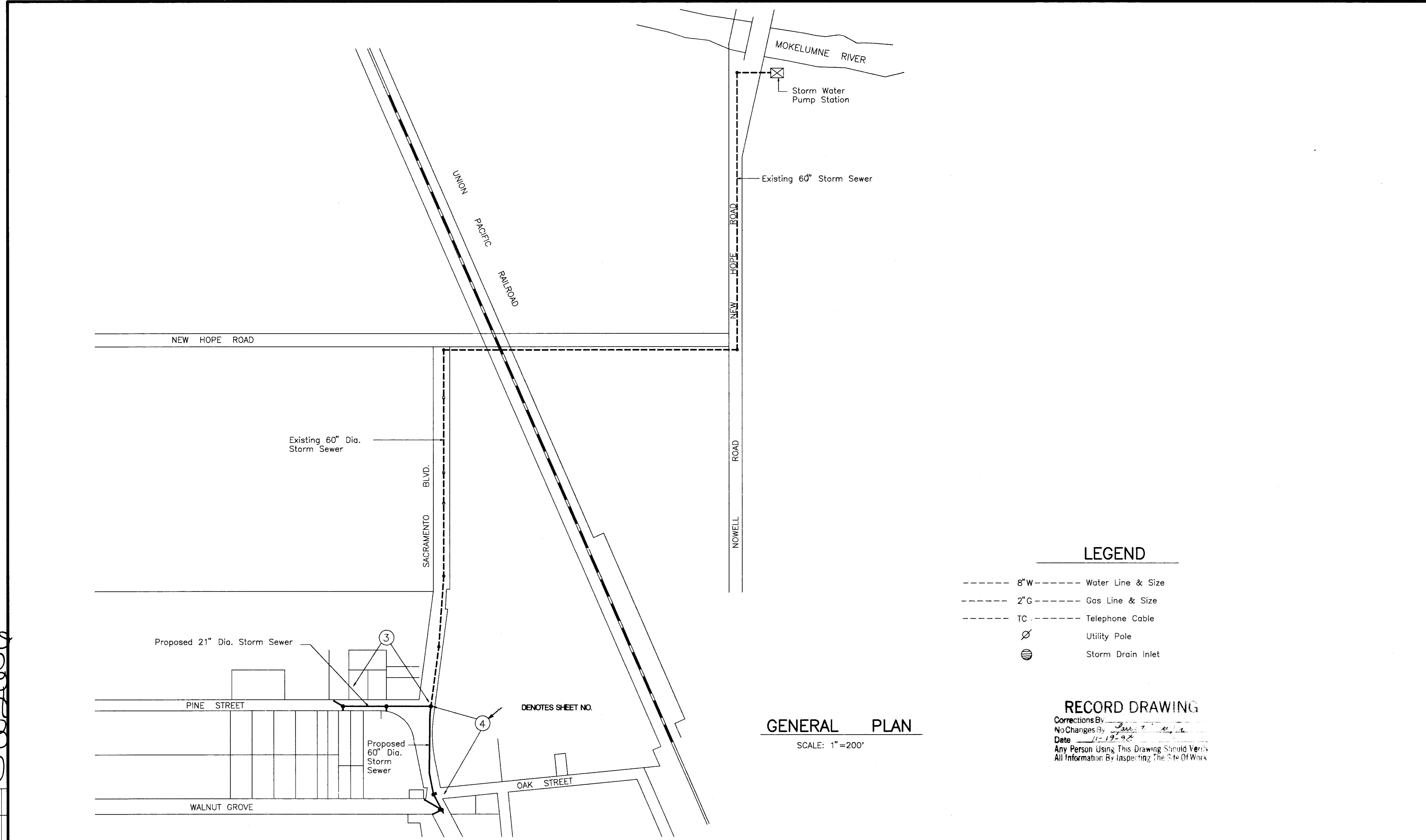


**RECORD DRAWING**  
 Corrected by [Signature]  
 Date: 1/11/92

S1121035

Cu. Yds.	Exc. Emb.	1	2	3	4	5	6	7	8	9	10	11	12	
DRAWN BY: J.C. WHITE		DATE: 12/26/91	PROJECT ENGINEER: J.C. White	DATE: 2/1/92	CHECKED: [Signature]	DATE: 2/1/92	SUBMITTED: [Signature]	DATE: 2/1/92	APPROVED: [Signature]	DATE: 2/1/92	COUNTY OF SAN JOAQUIN			PLAN SCALE: 1" = 40'
FILE NAME: D:\THORNTON\PP3A3		DRAWER: ACAD	SHEET NO.:	PROJECT: THORNTON DRAINAGE PROJECT PHASE 3			PROFILE SCALE: HORIZONTAL 1" = 40' VERTICAL 1" = 2'		SHEET NO. 3		TOTAL SHEETS 6			

SU21036



**LEGEND**

- 8" W ----- Water Line & Size
- 2" G ----- Gas Line & Size
- TC ----- Telephone Cable
- ⊘ Utility Pole
- ⊙ Storm Drain Inlet

**GENERAL PLAN**

SCALE: 1" = 200'

**RECORD DRAWING**

Corrections By: \_\_\_\_\_  
 No Changes By: \_\_\_\_\_  
 Date: 11-19-92  
 Any Person Using This Drawing Should Verify  
 All Information By Inspecting The Site Of Work

REVISIONS	DATE

DRAWN BY	DATE	PROJECT ENGINEER	DATE	CHECKED	DATE	SUBMITTED	DATE	APPROVED	DATE	COUNTY OF SAN JOAQUIN	PLAN SCALE: 1" = 200'	GENERAL PLAN & NOTES	PROJECT	SHEET NO.	TOTAL SHEETS
J. C. WHITE	12/27/91	J.C. White	2/7/92	Dean K...	2/7/92	Manuel A...	2/7/92	M. K.	2/7/92	COUNTY OF SAN JOAQUIN	PLAN SCALE: 1" = 200'	GENERAL PLAN & NOTES	PROJECT	2	6
FILE NAME	DRAWER	SHEET NO.	ACAD	D:\THORNTON\GENPLAN1											

COUNTY OF SAN JOAQUIN  
DEPARTMENT OF PUBLIC WORKS

STOCKTON, CALIFORNIA

PROJECT PLANS FOR  
THORNTON DRAINAGE PROJECT  
PHASE 3

COUNTY OF SAN JOAQUIN

Submitted February 10, 1992

*Henry M. Hirata*

HENRY M. HIRATA R.C.E. 21258  
Director of Public Works



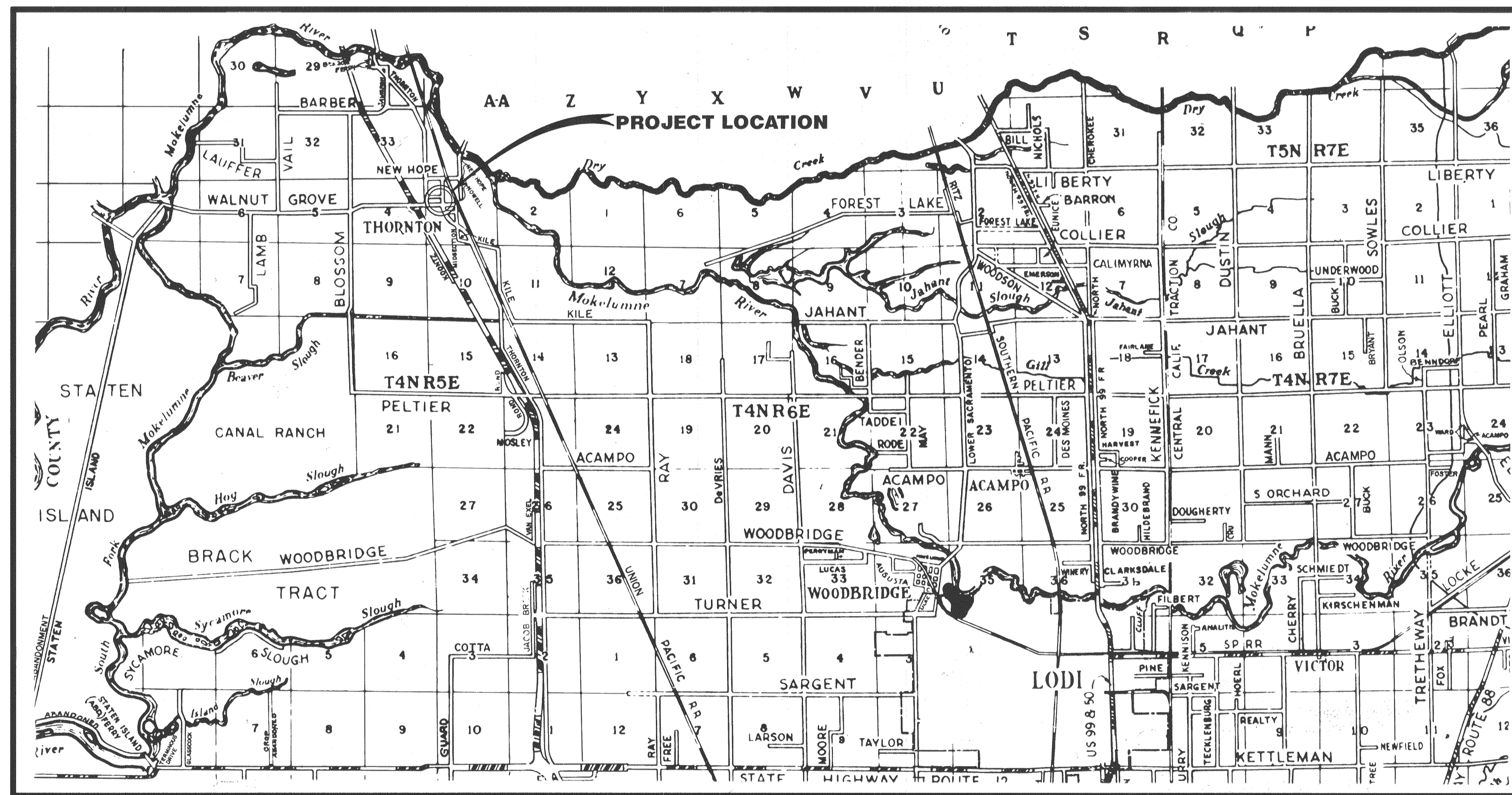
INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	Title Sheet
2	General Plan & Notes
3	Plan & Profile (Pine Street)
4	Plan & Profile (Sacramento Blvd.)
5	Construction Details
6	Construction Notes

- ABBREVIATIONS -

A.B.	=	Aggregate Base
ALT.	=	Alternative
A.C.	=	Asphalt Concrete
A.C.P.	=	Asbestos Cement Pipe
A.S.	=	Aggregate Subbase
BIT. CD.	=	Bituminous Coated
C.I.P.	=	Cast In Place
C.L. or $\text{C}$	=	Center Line
C.P.	=	Concrete Pipe
CONST.	=	Construct/Construction
C.S.P.	=	Corrugated Steel Pipe
C.S.P.A.	=	Corrugated Steel Pipe Arch
D.I.	=	Drainage Inlet
DIA.	=	Diameter
DR.	=	Driveway
E.P.	=	Edge of Pavement
E.T.W.	=	Edge of Traveled Way
F.L.	=	Flow Line
GALV.	=	Galvanized
HDPE	=	High Density Poly Ethylene
L.F.	=	Linear Feet
M.H.	=	Manhole
N.R.C.P.	=	Non-Reinforced Concrete Pipe
O.G.	=	Original Ground
P.C.C.	=	Portland Cement Concrete
P.L.	=	Property Line
P.M.S.	=	Plant Mixed Surfacing
PVC	=	PolyVinyl Chloride
R.C.P.	=	Reinforced Concrete Pipe
R. & D.	=	Remove and Dispose
R. & S.	=	Remove and Salvage
R. / W.	=	Right of Way
S.-DR.	=	Side Drain
S.D.I.	=	Storm Drain Inlet
S.P.	=	Standard Plans
TC	=	Telephone Cable
TYP.	=	Typical
WW.	=	Walkway
X-DR.	=	Cross Drain

TO BE SUPPLEMENTED BY STANDARD PLANS DATED JANUARY 1988



PROJECT LOCATION MAP



Scale: 1" = 1 Mile

RECORD DRAWING  
Checked by  
Date 11-13-92  
All dimensions by map unless otherwise noted.

NO.	DESCRIPTION	DRWN BY	CKD BY	APP BY	DATE

Project Engineer	Date	Senior Engineer	Date	Approval Recommended By	Date
<i>J.C. White</i>	2/1/92	<i>Marcel Klein</i>	2/1/92	<i>M.H.</i>	2/1/92
FILE NAME	DRAWER	SHEET NO.	ACAD		
C:\Thornton\Titlesht					

STU 21037