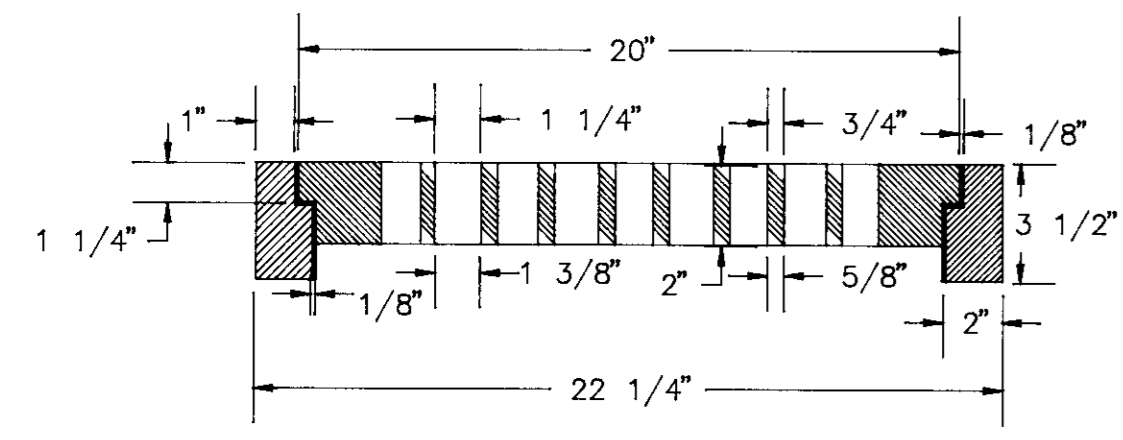
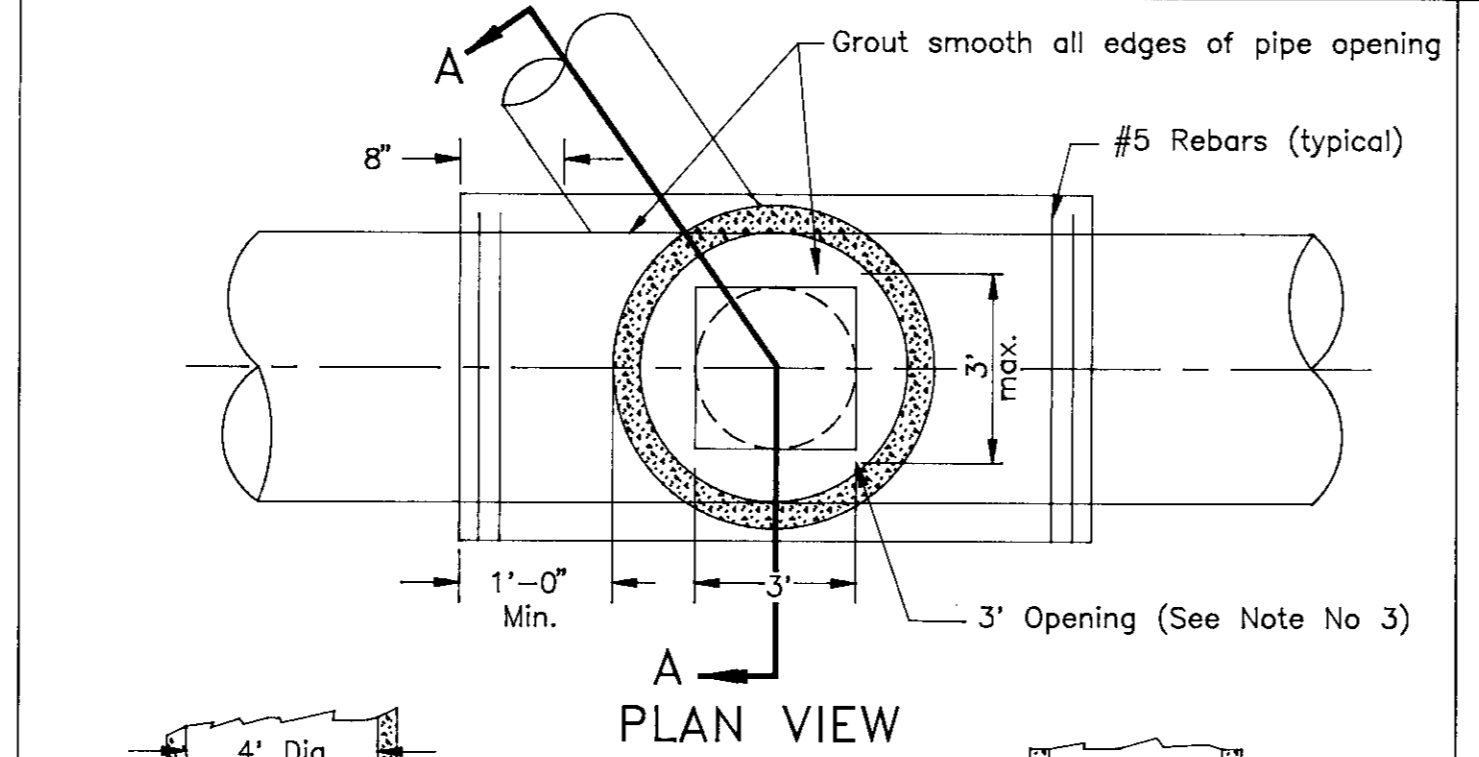


PLAN VIEW

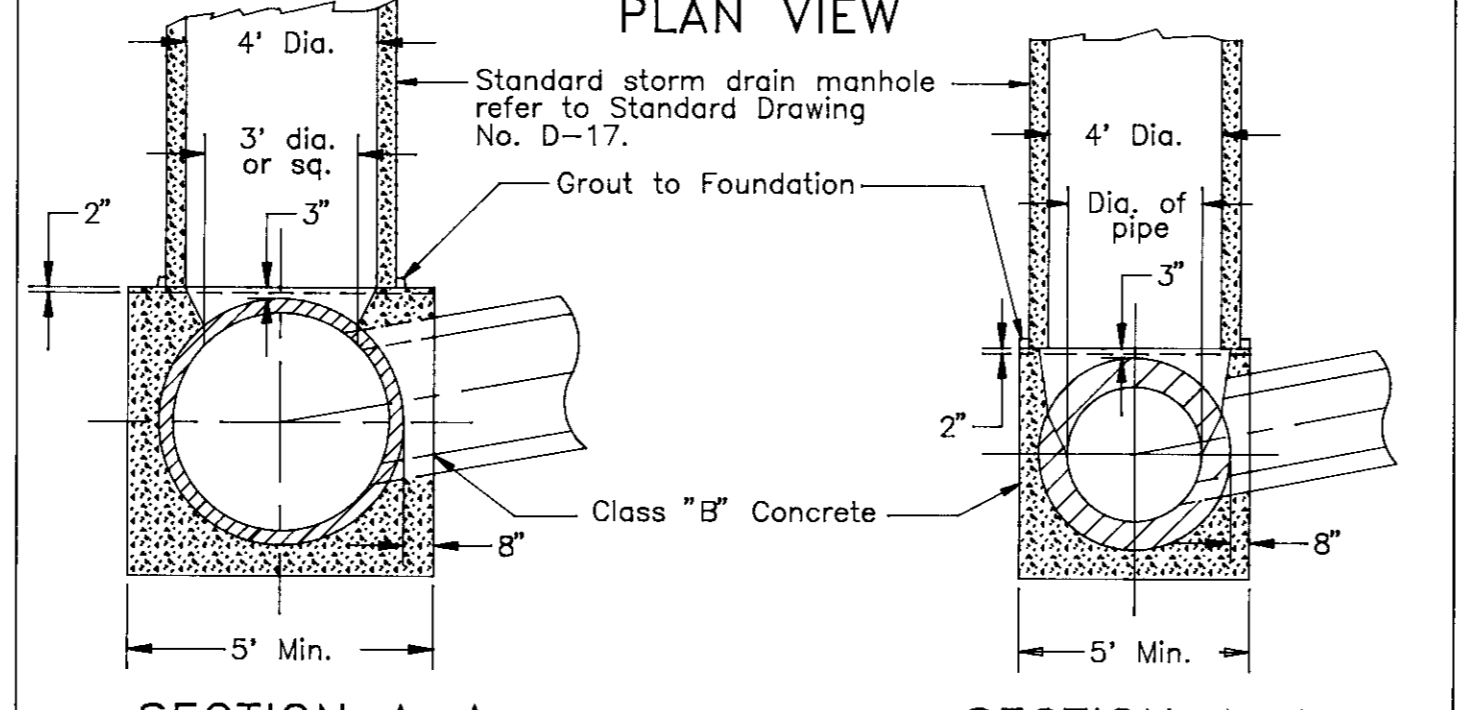


SECTION A-A

NOTE:
Grate shall be fastened to frame with 18" of 1/4" heat-treated chain

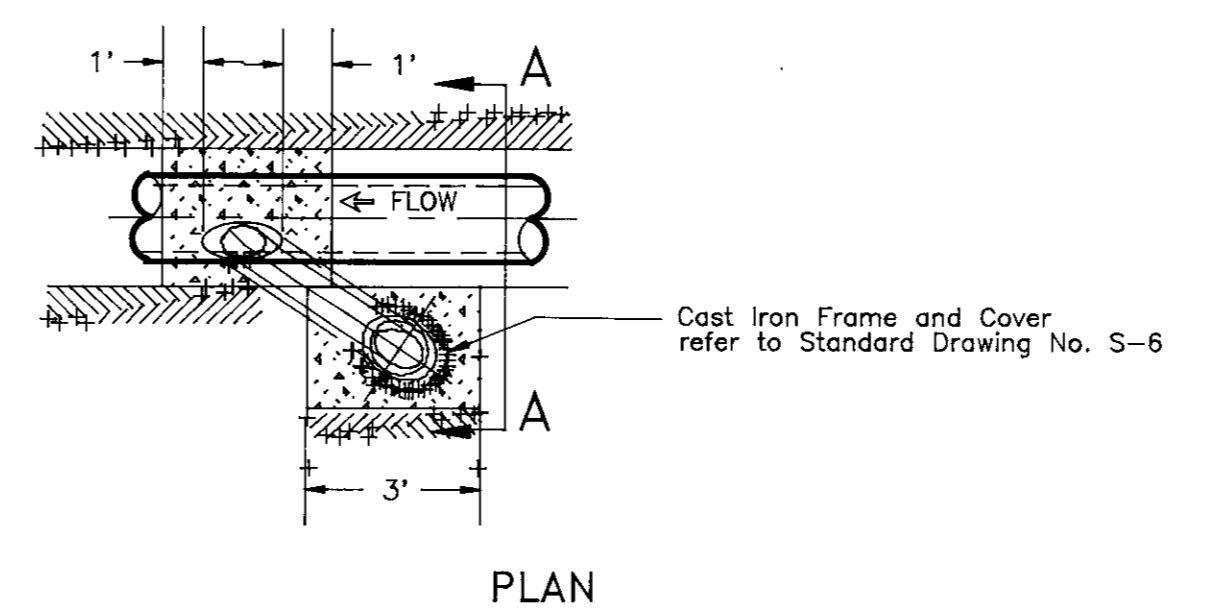


PLAN VIEW

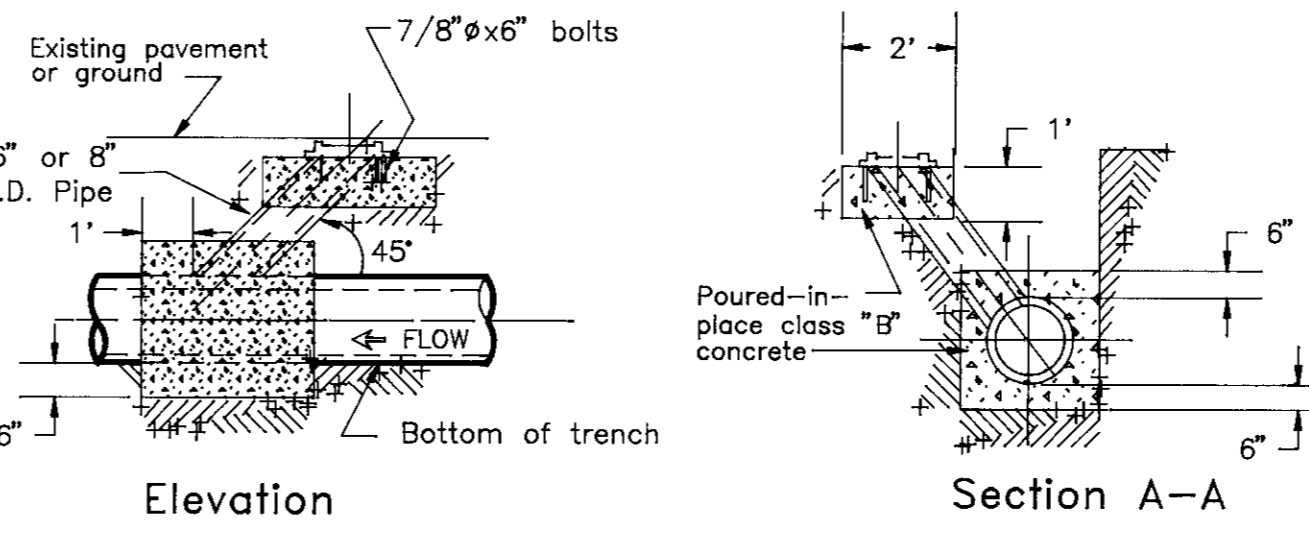


SECTION A-A
PIPES LARGER THAN 36" DIA.

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.



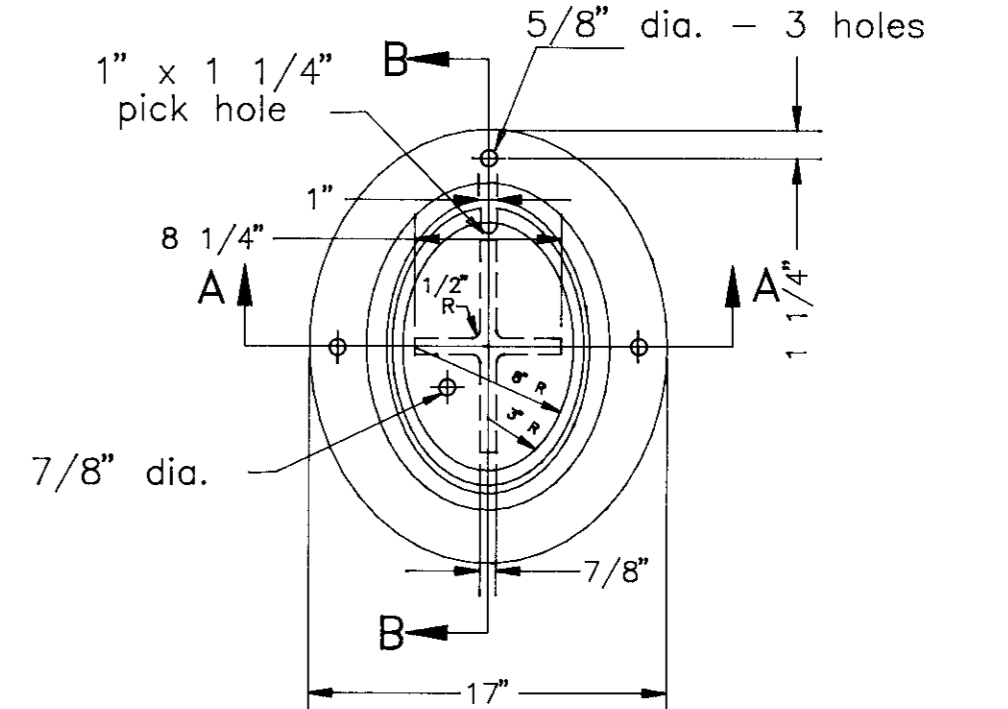
PLAN



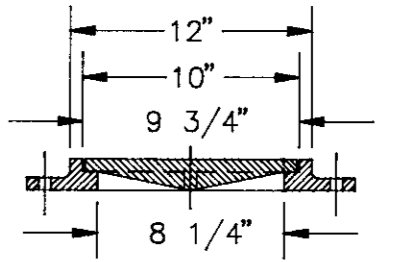
Elevation

Section A-A

TYPICAL CLEANOUT INSTALLATION



SECTION B-B



SECTION A-A

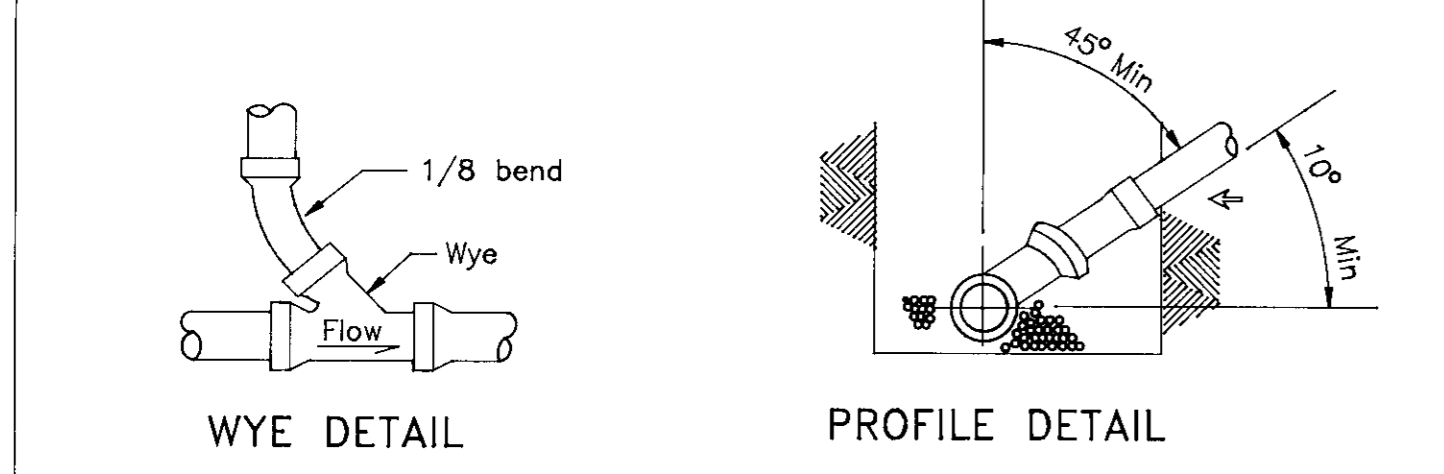
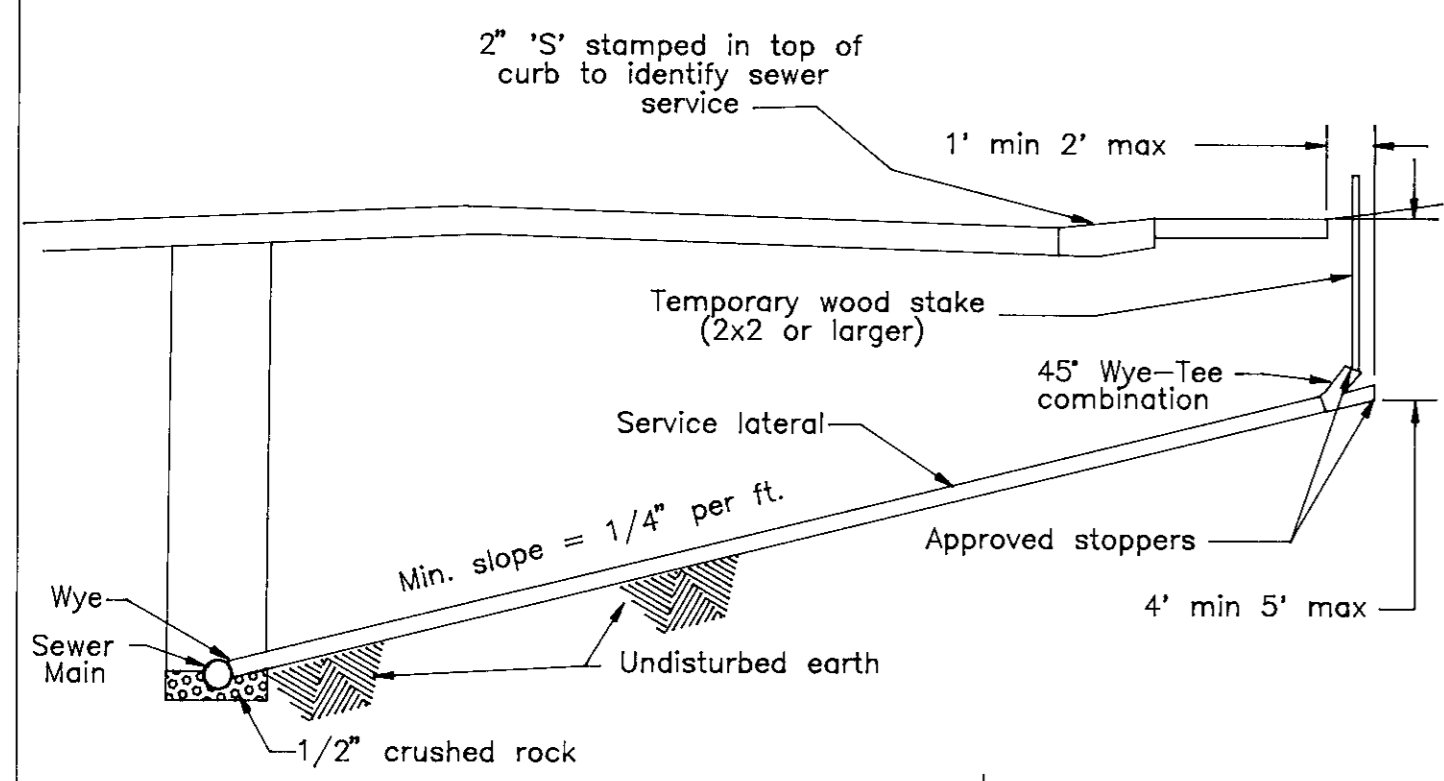
FRAME & COVER
(SANITARY SEWER CLEANOUT)

No.	Revised	By	Approved by
			Director of Public Works
<p>FRAME & GRATE (18" STORM DRAIN INLET)</p>			
Drawn by	DEW	Date	SEPT. 1991
Checked by		County of San Joaquin	DEPARTMENT OF PUBLIC WORKS
Scale	NONE	Drawing No.	D - 16

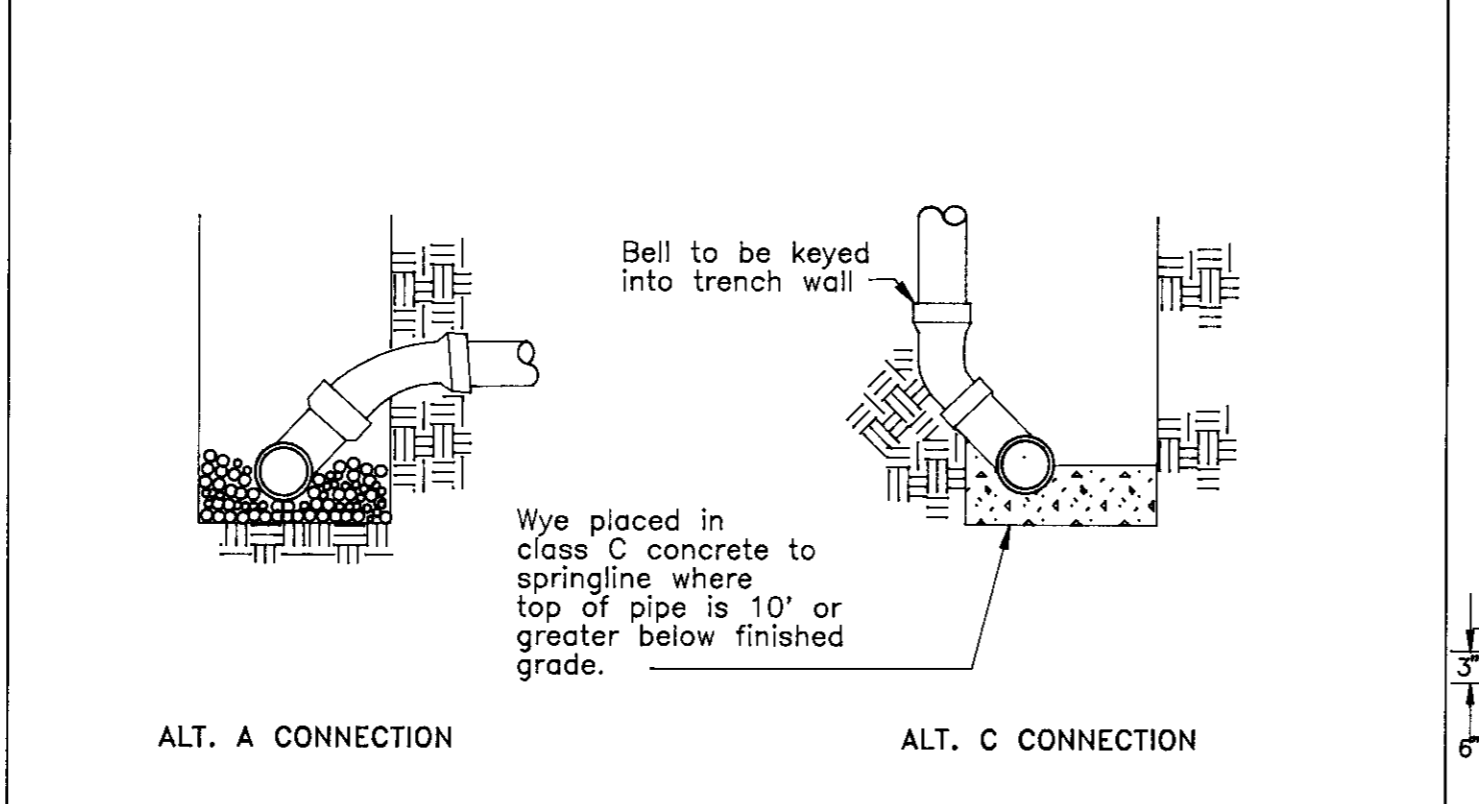
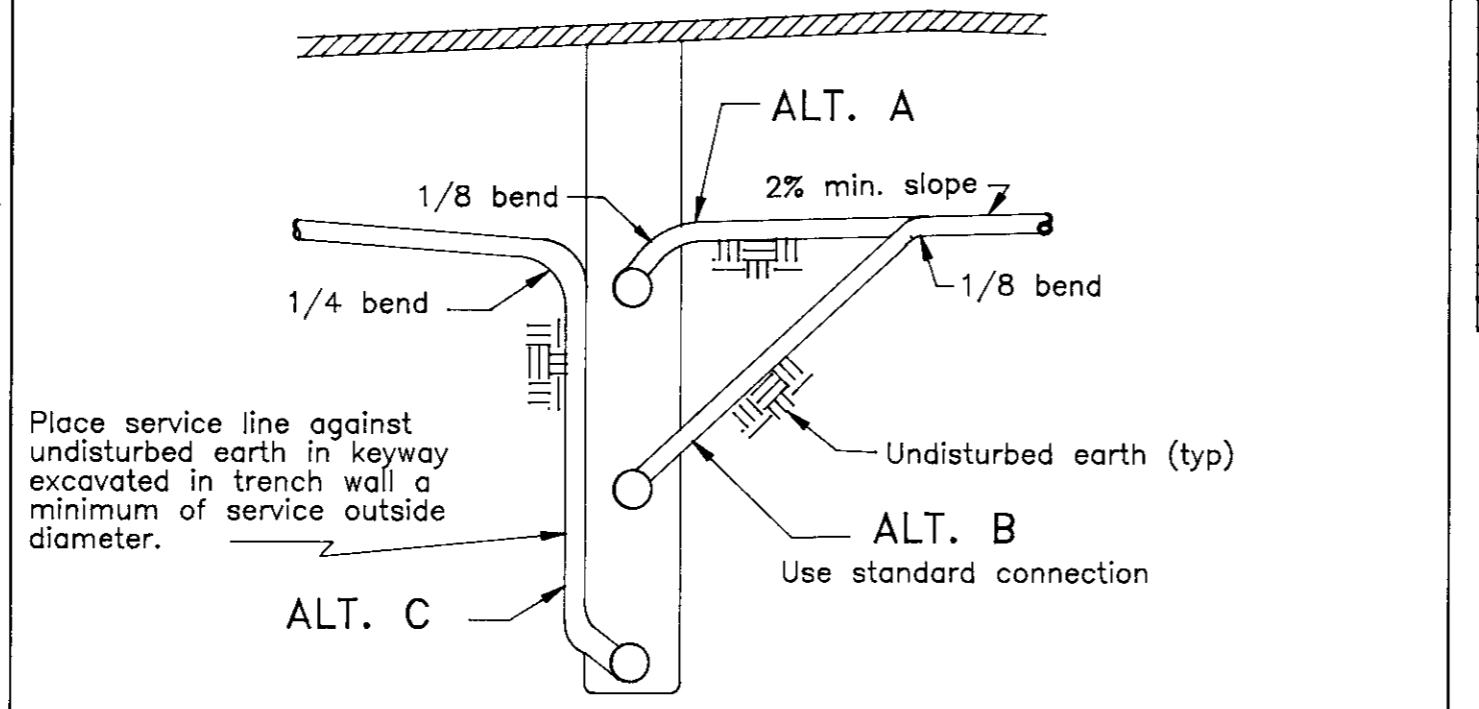
No.	Revised	By	Approved by
			Director of Public Works
<p>SADDLE-TYPE MANHOLE FOR PIPE 24" DIA. AND LARGER</p>			
Drawn by	JLD	Date	SEPT. 1991
Checked by		County of San Joaquin	DEPARTMENT OF PUBLIC WORKS
Scale	NONE	Drawing No.	D - 18

No.	Revised	By	Approved by
			Director of Public Works
<p>SEWER CLEANOUT</p>			
Drawn by	JLD	Date	SEPT. 1991
Checked by		County of San Joaquin	DEPARTMENT OF PUBLIC WORKS
Scale	NONE	Drawing No.	S - 5

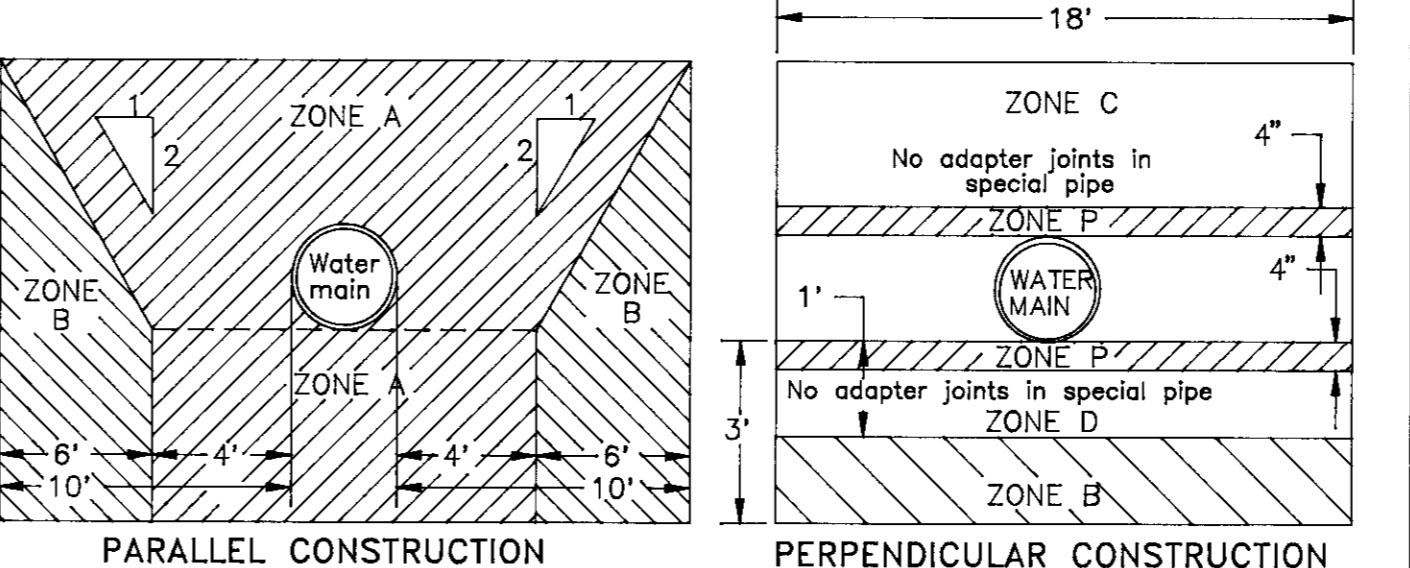
No.	Revised	By	Approved by
			Director of Public Works
<p>FRAME & COVER (SANITARY SEWER CLEANOUT)</p>			
Drawn by	JLD	Date	SEPT. 1991
Checked by		County of San Joaquin	DEPARTMENT OF PUBLIC WORKS
Scale	NONE	Drawing No.	S - 6



NOTES:
1. All services shall be 4" inside diameter or as shown on plan.
2. Contractor shall use the most appropriate type connection (alternates on sht. 2) for the particular situation.
3. See standard plan for required cleanouts & boxes.



Sheet 1 of 2				Sheet 2 of 2			
No.	Revised	By	Approved by	No.	Revised	By	Approved by
			Director of Public Works				Director of Public Works
<p>SEWER SERVICE LATERAL</p>				<p>SEWER SERVICE LATERAL</p>			
Drawn by	JLD	Date	SEPT. 1991	Drawn by	JLD	Date	SEPT. 1991
Checked by		County of San Joaquin	DEPARTMENT OF PUBLIC WORKS	Checked by		County of San Joaquin	DEPARTMENT OF PUBLIC WORKS
Scale	NONE	Drawing No.	S - 7A	Scale	NONE	Drawing No.	S - 7B



NOTE: Dimensions are from outside of water main to outside of sewer. all crossings shall be at 90° where possible.

CASE I:
New sewer-existing water main
Sewer lines will not be permitted in this zone without special permission from County Environmental Health.

ZONE A:
Extra strength vitrified clay pipe with compression joints; or rubber gasketed plastic pipe conforming to ASTM D3034-81 SDR-35 specifications.

ZONE B:
Where sewer will carry flows from industrial or commercial development class 50 or heavier ductile iron pipe with standard bituminous coating and approved mechanical joints shall be used. Where sewer will carry flows from residential developments only ductile iron pipe as above, class 200 PVC (DR14 per AWWA C900) plastic pipe or rubber gasketed pipe conforming to ASTM D3034-81 SDR-35 specification may be used. In each case a minimum 18 foot length of pipe with no joints shall be centered at the water main. No adaptor joints will be allowed closer than 8 feet to the water line.

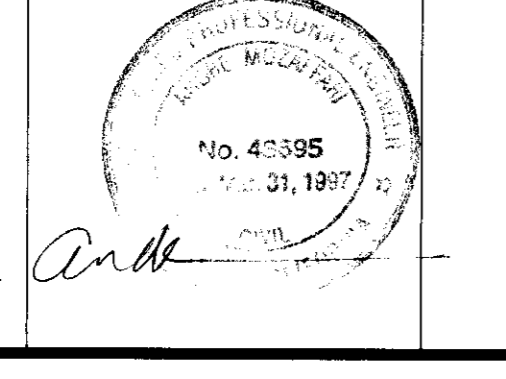
ZONE C/D:
New water main-existing sewer
No water mains shall be constructed without special permission from County Environmental Health Dept.
If the sewer does not meet the ZONE B requirements given above the water main shall be of class 200 pipe or equivalent.
No water mains shall be constructed without special permission from the County Environmental Health Dept. If permission is granted, the sewer shall be encased with reinforced concrete as detailed below, or reconstructed per case I ZONE C/D requirements.
The sewer shall be encased with reinforced concrete as detailed below, or reconstructed per case I ZONE C/D requirements.

Prohibited construction zone.

NOTE:
(1) Sewer lines larger than 24" diameter, house laterals above pressure water mains & sewer lines within 25' of low head water mains, shall be reviewed and approved by the County Environmental Health Dept.

No.	Revised	By	Approved by
			Director of Public Works
<p>WATER-SEWER SEPARATION STANDARDS</p>			
Drawn by	JLD	Date	SEPT. 1991
Checked by		County of San Joaquin	DEPARTMENT OF PUBLIC WORKS
Scale	NONE	Drawing No.	W - 7

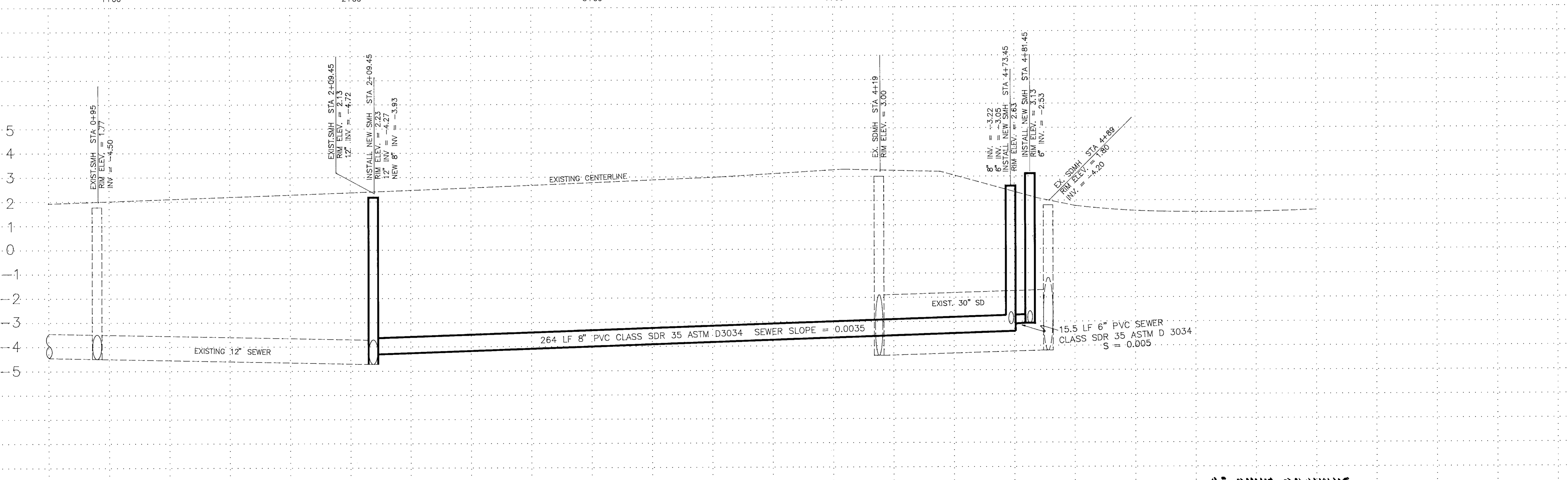
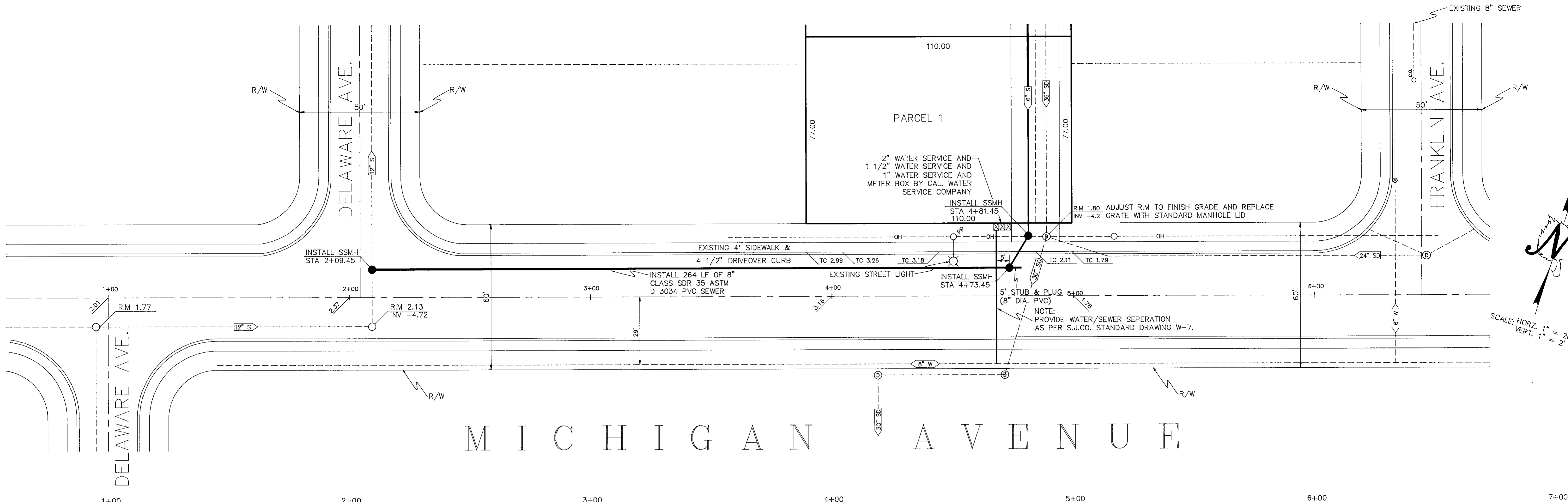
MOZAFFARI ENGINEERING
ANDRE MOZAFFARI P.E. C43695
400 12TH ST. SUITE 11
MODESTO, CALIFORNIA - 95354
TEL. (209) 572-4430
FAX. (209) 572-4436



ASPEN SURVEY COMPANY
801 17th St., Suite F, Modesto, CA. 95354
PH: (209) 526-0472

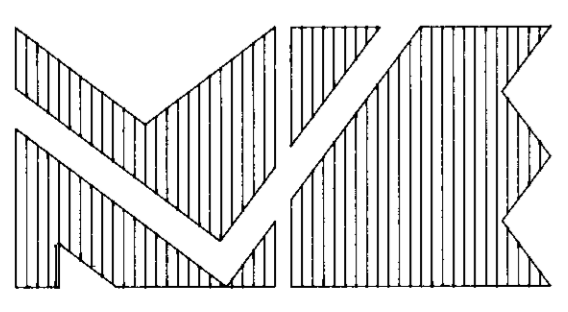
SAN JOAQUIN COUNTY
STANDARD DETAILS

SCALE: H: 1" = 20'	V: 1" = 2'	JOB NO.	9328
DRAWN	DLJ	DATE	10/20/94
DESIGNED	DLJ	SHEET	4
CHECKED	DLH		
AS-BUILT			



SU - 2841

AS-BUILT DRAWING



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 PH: (209) 526-9724 FX: (209) 526-0472

**MICHIGAN AVENUE
 PLAN AND PROFILE**

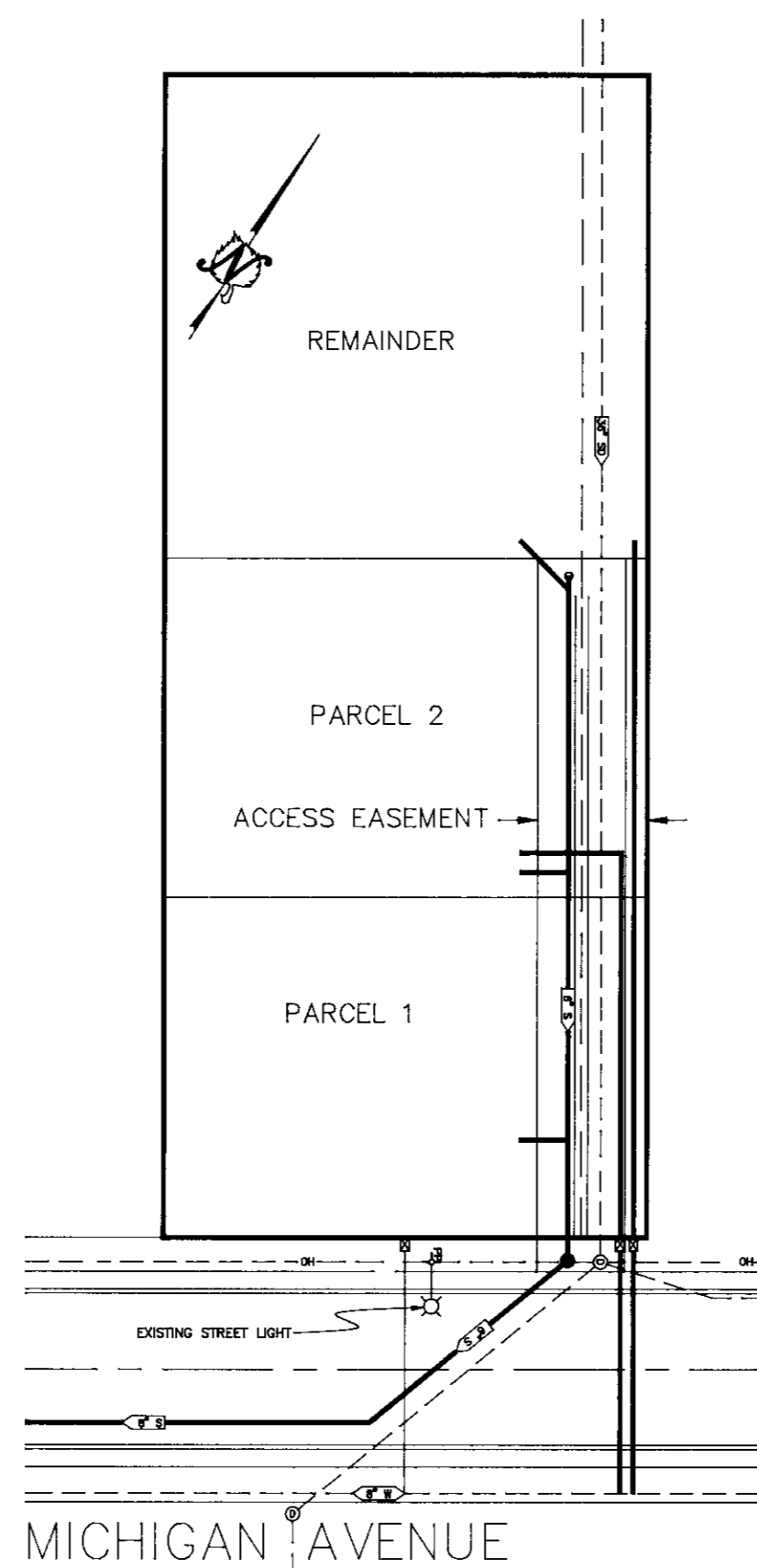
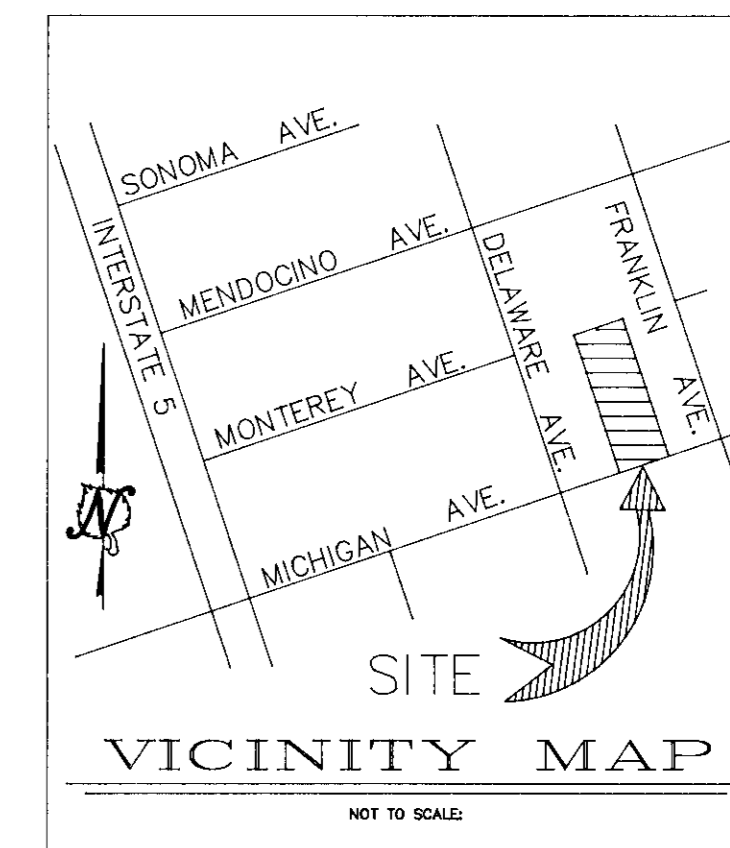
SCALE: H: 1" = 20' V: 1" = 2'	JOB NO. 9328
DRAWN DLJ	DATE 8/23/94
DESIGNED SPB	SHEET 2
CHECKED DLH	OF 4
AS-BUILT	

GENERAL NOTES :

- ALL IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE LATEST REQUIREMENTS OF COUNTY OF SAN JOAQUIN IMPROVEMENT STANDARDS AND STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, UNLESS OTHERWISE SPECIFIED.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR 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 THE OWNER, ENGINEER AND THE COUNTY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.
- IT IS CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING FACILITIES.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, FLAGMEN, BARRICADES OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY IN ACCORDANCE WITH THE CURRENT ISSUE OF 'MANUAL OF TRAFFIC CONTROLS, WARNING SIGNS, LIGHTS AND DEVICES FOR USE IN PERFORMANCE OF WORK UPON HIGHWAYS' PUBLISHED BY THE STATE OF CALIFORNIA BUSINESS AND TRANSPORTATION AGENCY.
- CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE FEDERAL AND STATE SAFETY AND LABOR CODES.
- CONTRACTOR SHALL LOCATE AND PRESERVE ALL FACILITIES INCLUDING GAS, WATER, IRRIGATION, POWER, TELEPHONE AND OTHERS WHICH MAY BE IN AREA OF CONSTRUCTION. RESPECTIVE UTILITY COMPANIES AND THE COUNTY OF SAN JOAQUIN SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF COMMENCEMENT OF ANY WORK.
- AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE COUNTY OF SAN JOAQUIN DEPARTMENT OF PUBLIC WORKS OR ANY APPLICABLE AGENCIES PRIOR TO COMMENCEMENT OF WORK WITHIN EXISTING RIGHT OF WAYS
- THE FACT THAT ANY UNDERGROUND FACILITY IS NOT SHOWN ON THESE PLANS SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY TO PROTECT THE FACILITIES. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THE LOCATION OF ALL UNDERGROUND IMPROVEMENTS OR FACILITIES WHICH MAY BE SUBJECT TO DAMAGE BY REASON OF HIS OPERATIONS. THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES THAT ARE SHOWN, ARE SHOWN IN AN APPROXIMATE WAY ONLY. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
- DUST SHALL BE CONTROLLED, AS PER SECTION 10 OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA, AT ALL TIMES PRIOR TO COUNTY OF SAN JOAQUIN ACCEPTANCE.
- ASPHALT CONCRETE SHALL BE PLACED ONLY WHEN THE ATMOSPHERIC TEMPERATURE IS ABOVE 50 DEGREES FARENHEIT.
- ALL DISTANCES AND MEASUREMENTS ARE GIVEN AND WILL BE MADE IN A HORIZONTAL PLANE. GRADES ARE GIVEN FROM THE TOP OF STAKES OR NAILS, UNLESS OTHERWISE SPECIFIED.
- ALL CONSTRUCTION STAKES SHALL BE SET ONE TIME ONLY. THE CONTRACTOR SHALL PRESERVE ALL STAKES AND POINTS SET FOR LINES, GRADES, OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ALL EXPENSES INCURRED IN REPLACING STAKES THAT HAVE BEEN REMOVED WITHOUT PROPER AUTHORITY SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.
- RESPECTIVE CONTRACTORS SHALL OBTAIN ALL REQUIRED PERMITS PRIOR TO COMMENCEMENT OF WORK. ANY AND ALL PERMIT COSTS SHALL BE INCLUDED IN CONTRACTORS' BIDS.
- WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS, BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT ONLY MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
- CONTRACTOR SHALL GIVE THE COUNTY OF SAN JOAQUIN 24 HOURS ADVANCE NOTICE FOR ALL INSPECTION REQUESTS.
- VOIDS LEFT BY THE REMOVAL OF TREE STUMPS, PIPELINES, OR OTHER OBSTACLES SHALL BE CLEARED OF UNDESIRABLE DEBRIS AND BACKFILLED AND COMPACTED TO 90% RELATIVE COMPACTION PRIOR TO ROUGH GRADING. WHERE TOTAL FILLS (VOID BACKFILL) EXCEED 1.00 FOOT IN DEPTH, 'ENGINEERED FILL' SHALL BE REQUIRED.
- UNDERGROUND FACILITIES SHOWN WERE LOCATED BASED ON INFORMATION PROVIDED BY UTILITY COMPANIES AND BY MEASURING SURFACE FEATURES. NO ATTEMPT WAS MADE TO LOCATE OTHER UNDERGROUND FACILITIES THAT WERE NOT READILY APPARENT FROM A VISUAL INSPECTION OF SURFACE FEATURES.
- CONTRACTOR SHALL VERIFY ACTUAL DEPTH AND LOCATION OF ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION...CALL 'UNDERGROUND SERVICE ALERT' (U.S.A.), (TOLL FREE 800-642-2444) PRIOR TO TRENCHING, GRADING, EXCAVATION, DRILLING, PIPE PUSHING, PLANTING TREES, DIGGING POST HOLES FOR FENCES, ETC.(U.S.A.) WILL SUPPLY INFORMATION OR LOCATE AND MARK ANY UNDERGROUND FACILITIES.
- THIS PROJECT SHALL COMPLY WITH TITLE 24 AND 1991 UBC, UMC, UPC AND 1990 NEC.

DOROTHY M. MARTIN IMPROVEMENT PLANS

SAN JOAQUIN COUNTY, CALIFORNIA



KEY MAP

BENCHMARK :

BRASS DISK, CALTRANS MONUMENT NO. 16274, LOCATED AT THE SOUTHEAST CORNER OF MICHIGAN AVENUE AND RYDE AVENUE.

ELEVATION: 0.142 - U.S.G.S. DATUM

SHEET INDEX :

- COVER SHEET
- MICHIGAN AVE. PLAN AND PROFILE
- SITE PLAN AND PROFILE
- STANDARD DETAIL SHEET

LEGEND

EXISTING	PROPOSED
--- OH ---	OVERHEAD UTILITY LINES
--- 36" SD ---	STORM DRAIN
--- 8" S ---	SEWER
--- 8" W ---	WATER
⊙	WATER VALVE
⊙	CLEAN OUT
---	PROPERTY LINE
---	RIGHT OF WAY LINE

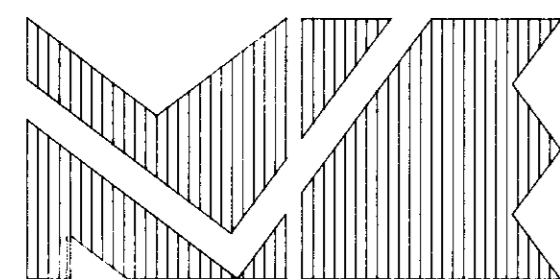


CALIFORNIA COUNCIL OF
CIVIL ENGINEERS & LAND SURVEYORS

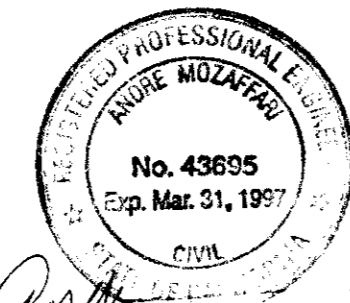
CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS 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 DESIGN PROFESSIONAL.

CITY OF STOCKTON MUNICIPAL UTILITIES DISTRICT AS TO NEW SANITARY SEWER	CALIFORNIA WATER SERVICE ENGINEERING DEPARTMENT	PUBLIC HEALTH SERVICES ENVIRONMENTAL HEALTH DIVISION
APPROVED: _____ DATE: _____	APPROVED: <i>[Signature]</i> DATE: <i>11/8/94</i>	APPROVED: <i>[Signature]</i> DATE: <i>11/1/94</i> <i>to provide public sanitary sewer system to go parallel.</i>

SU-2842



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RECLAMATION DISTRICT
R.D. 1614 - SMITH TRACT
FOR STORM DRAINAGE FACILITIES ONLY

APPROVED: *[Signature]* DATE: *11/28/94*
CHRISTOPHER NEUDECK EXP DATE: *2-20-96*

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

APPROVED: *[Signature]* DATE: *12/1/94*
HENRY M. HIRATA RCE NO: 21258
DIRECTOR OF PUBLIC WORKS EXP DATE: 09/30/97

SCALE: H: N.T.S.	JOB NO. 9328
V: N.T.S.	DATE 8/8/94
DRAWN S.P.B.	SHEET 1
DESIGNED S.P.B.	OF 4
CHECKED D.L.H.	
AS-BUILT	