

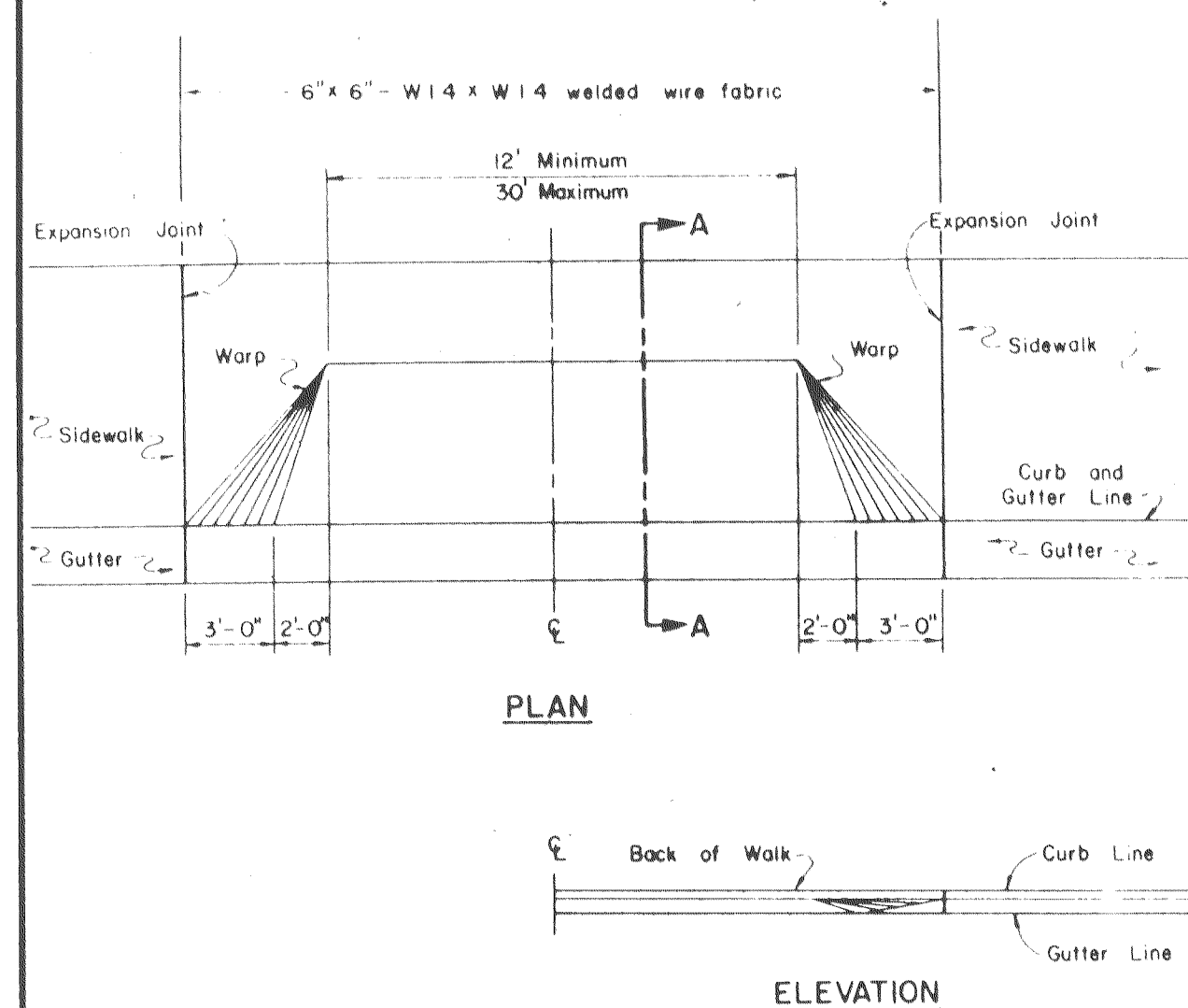
FOR ADDITIONAL DETAILS SEE SPECIFICATIONS

AS BUILT

CORRECTIONS BY

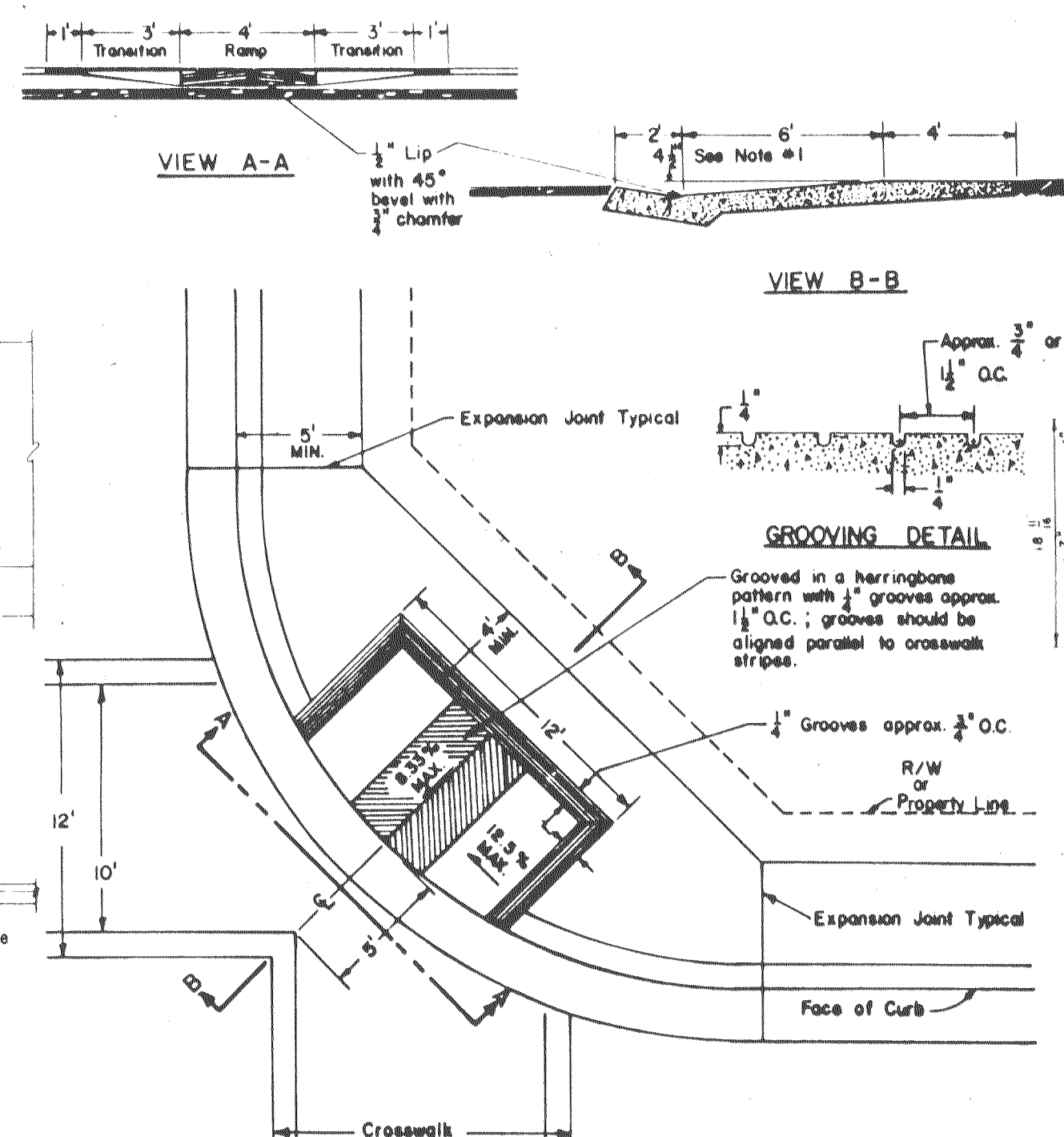
DATE

9-6-85



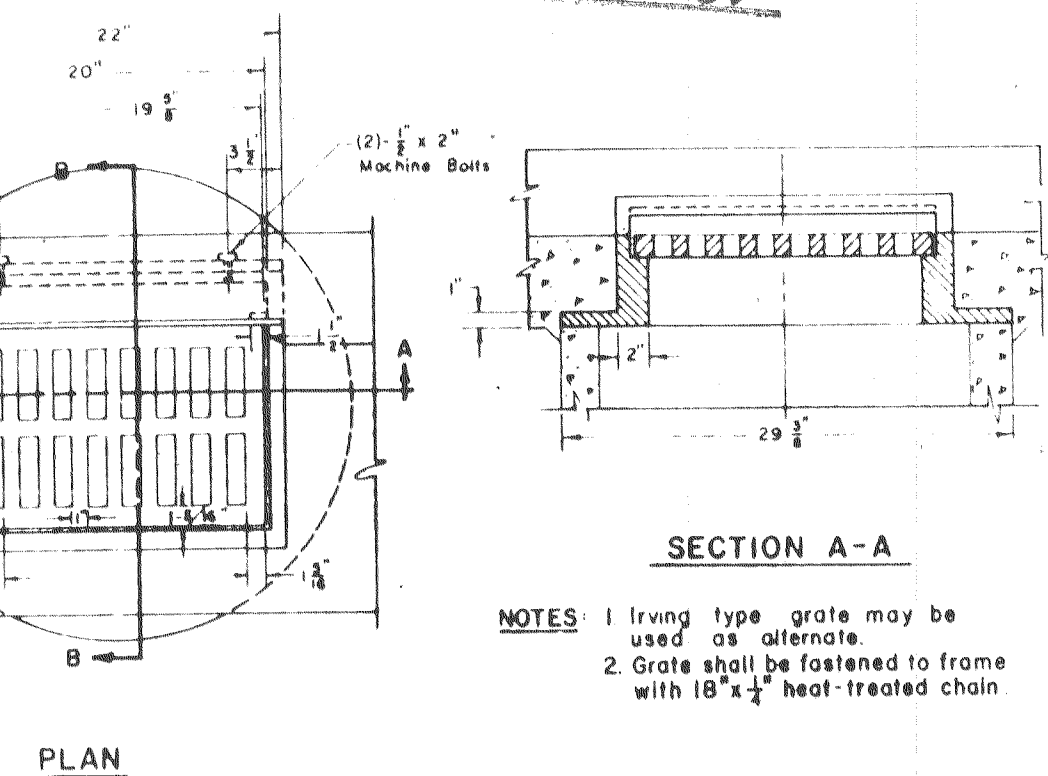
SECTION A-A

TYPICAL COMMERCIAL DRIVEWAY



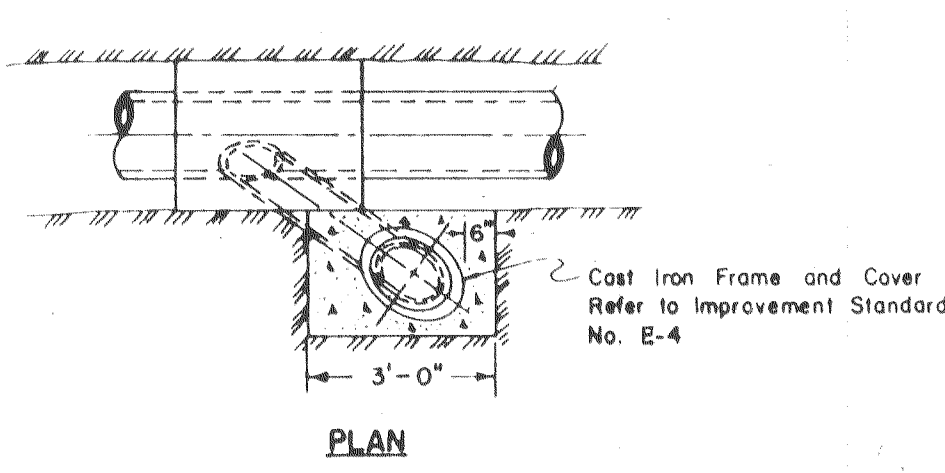
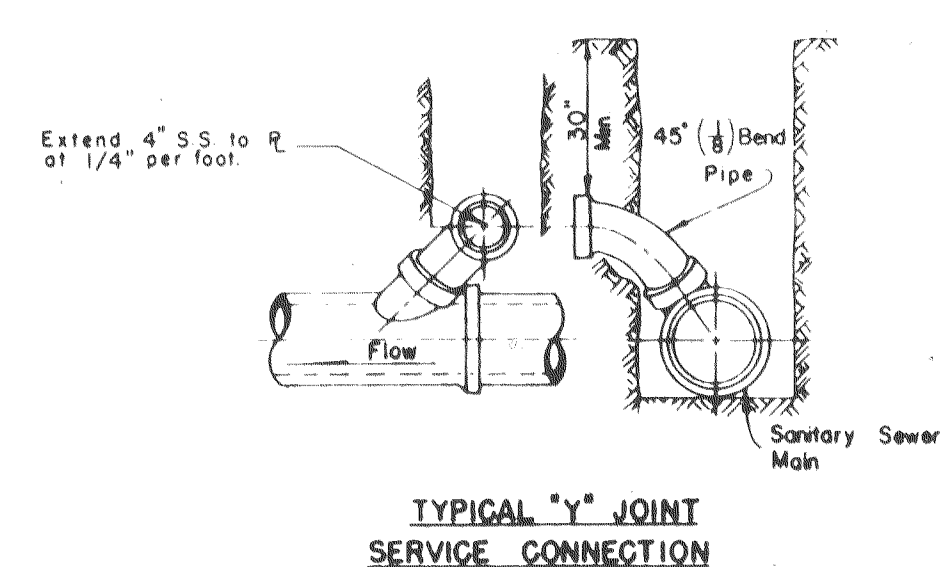
- NOTES:**
- 6" Ramp for 4" curb height and 2% sidewalk slope. For 6" curb height either use 6" ramp or transition curb height to 4" from expansion joint to beginning of ramp.
 - Catch basins and other obstructions are not to be located within the wheelchair path area.
 - See Standard B-1, B-2, or B-3 for Curb, Gutter & Sidewalk Details; and State Standard Plan NS-B for other details.

HANDICAP RAMP



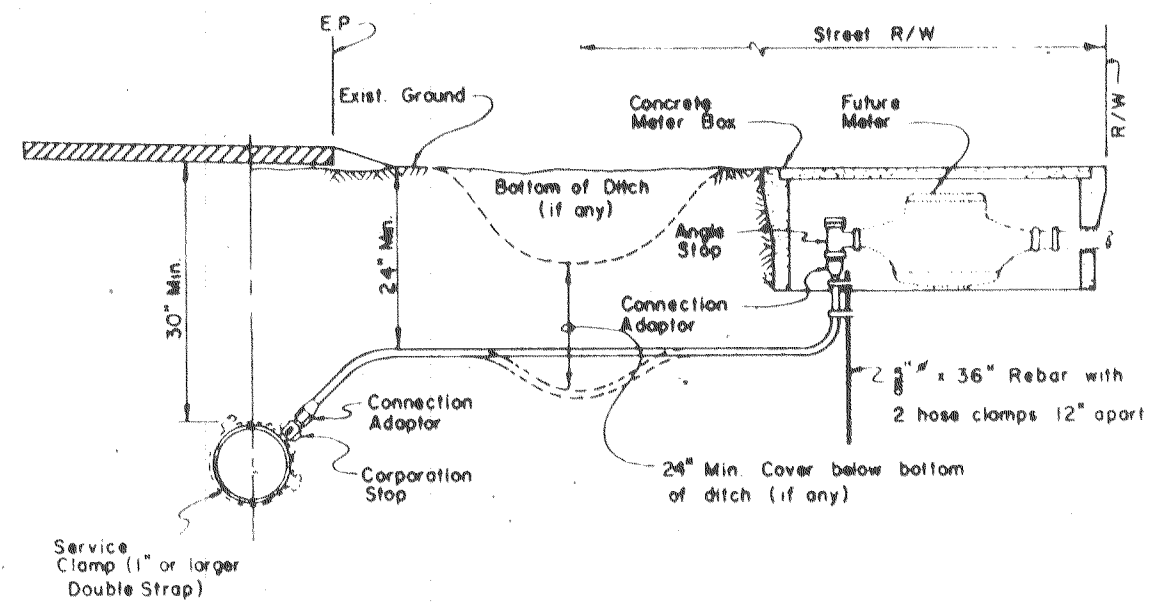
SECTION B-B
FRAME & GRATE
(STANDARD STORM DRAIN INLET)

- NOTES:**
- Irving type grate may be used as alternate.
 - Grate shall be fastened to frame with 18" x 1/4" heat-treated chain.

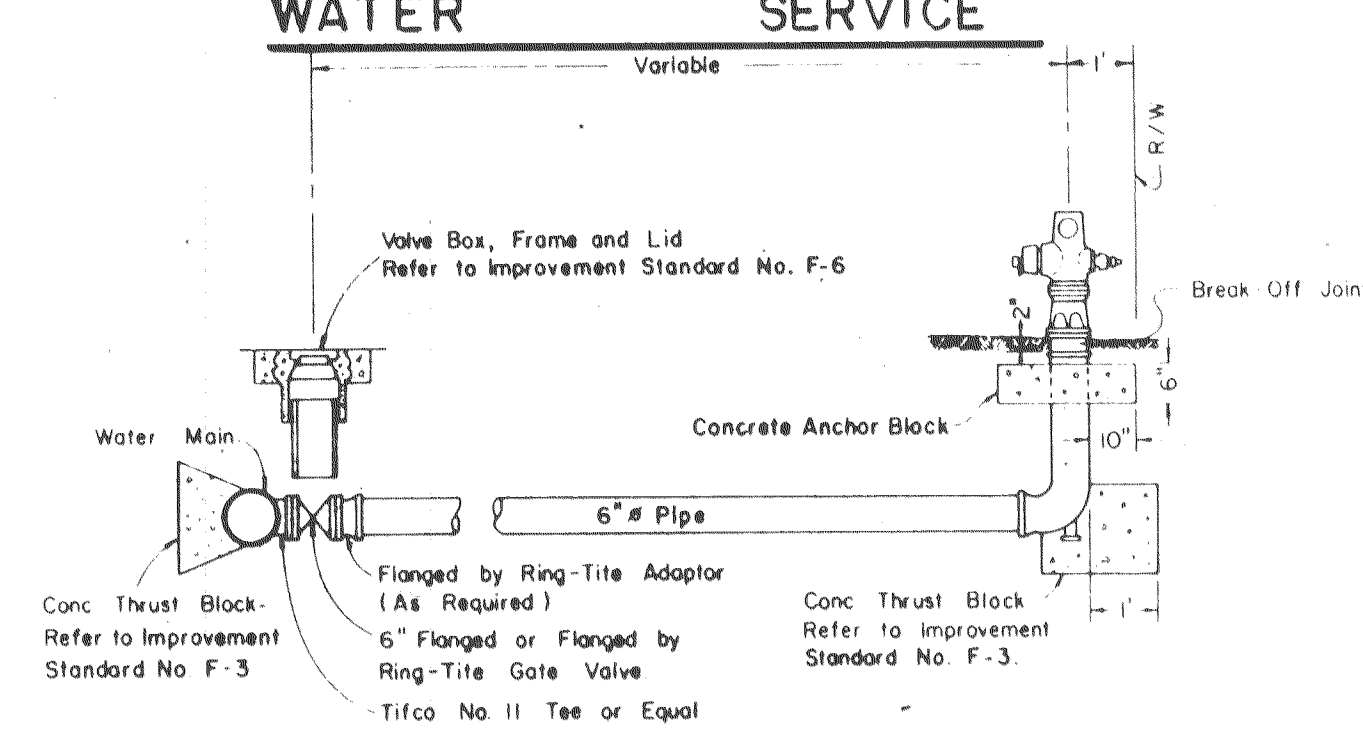


TYPICAL LAMPHOLE INSTALLATION

TYPICAL SANITARY SEWER DETAILS

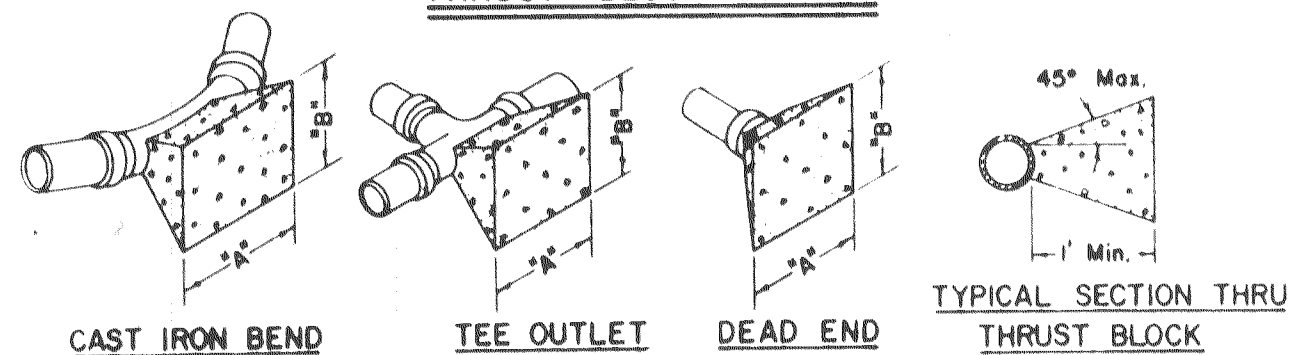


- NOTES:**
- Plastic pipe for 1" I.D. service shall be ultra high molecular weight (UHMW) Polyethylene as manufactured by "Oriscope", "Orangeburg" or approved equal with minimum pressure rating of 160 psi.
 - Plastic pipe for 2" I.D. service shall be PB 2110 Polybutylene or approved equal with minimum pressure rating of 160 psi.
 - Corporation stop shall have corporation cock threads.
 - Angle stop shall have swivel nut and lock wings.
 - Angle stop shall be vertically plumbed.
 - Service saddle shall be required for the 2" service tap.
 - Mueller Insta-lite connection shall conform to ASTM Designation D 2239.



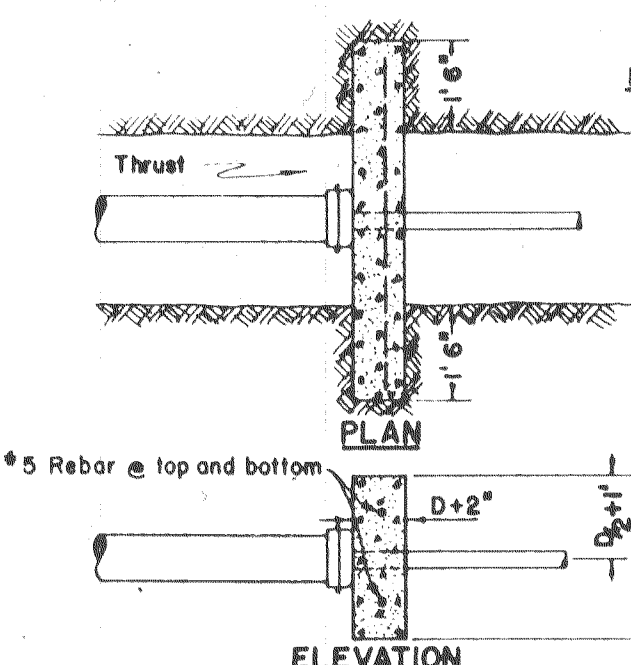
- NOTES:**
- Fire Hydrants shall be placed with 4" outlet facing directly towards the street.
 - Fire Hydrants shall be clean and free of concrete.
 - Residential Fire Hydrant to be "Rich 960", James Jones J-3765, or approved equal (2-2 1/2" B 1-4" outlets).
 - Or other size as required by the local Fire District.

THRUST BLOCK DETAILS

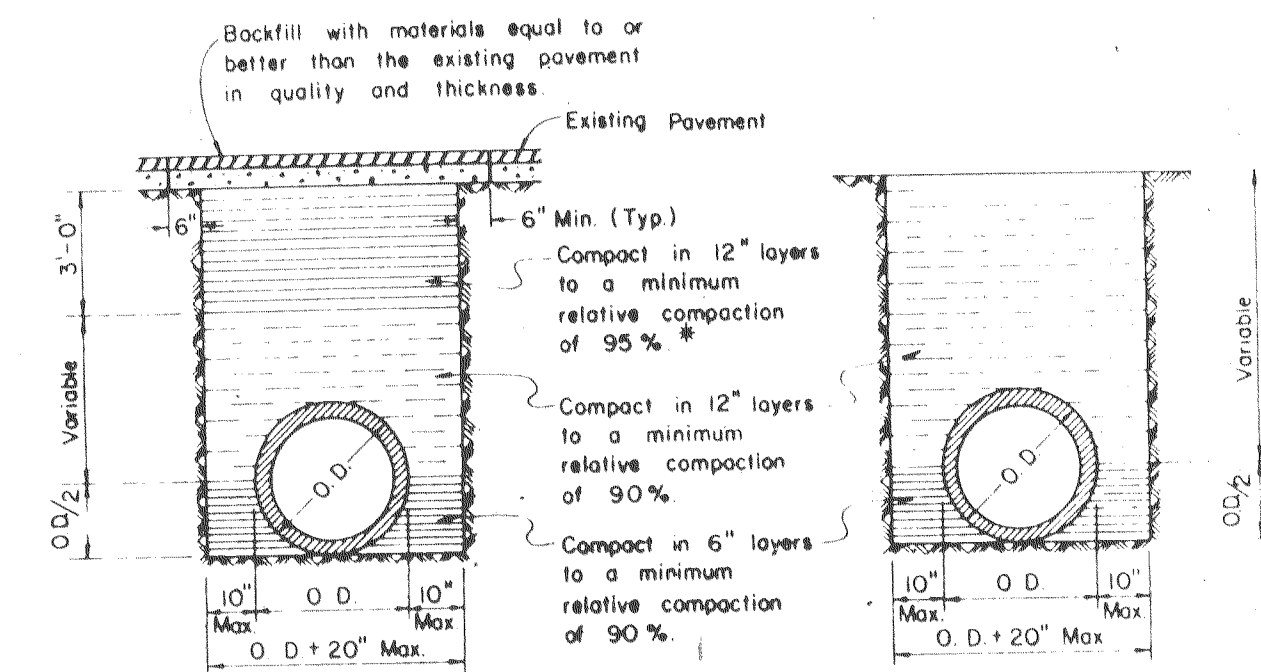


THRUST BLOCK DIMENSIONS			
FITTINGS	"A"	"B"	FITTINGS
6" LINE and 4" Onsite LINE			10" LINE
22 1/2"	1'-6"	1'-6"	22 1/2"
45"	2'-0"	2'-0"	45"
90"	2'-0"	2'-6"	90"
TEE OUTLET	3'-0"	2'-0"	TEE OUTLET
DEAD END	3'-0"	2'-0"	DEAD END
8" LINE			12" LINE
22 1/2"	2'-0"	2'-0"	22 1/2"
45"	3'-0"	2'-6"	45"
90"	3'-0"	3'-6"	90"
TEE OUTLET	3'-6"	3'-0"	TEE OUTLET
DEAD END	3'-6"	3'-0"	DEAD END

- NOTES:**
- All thrust blocks shall be poured against undisturbed soil and shall be Class "B" Concrete.
 - Thrust block dimensions were calculated to allow a soil bearing value of 1,000 pounds per square foot.

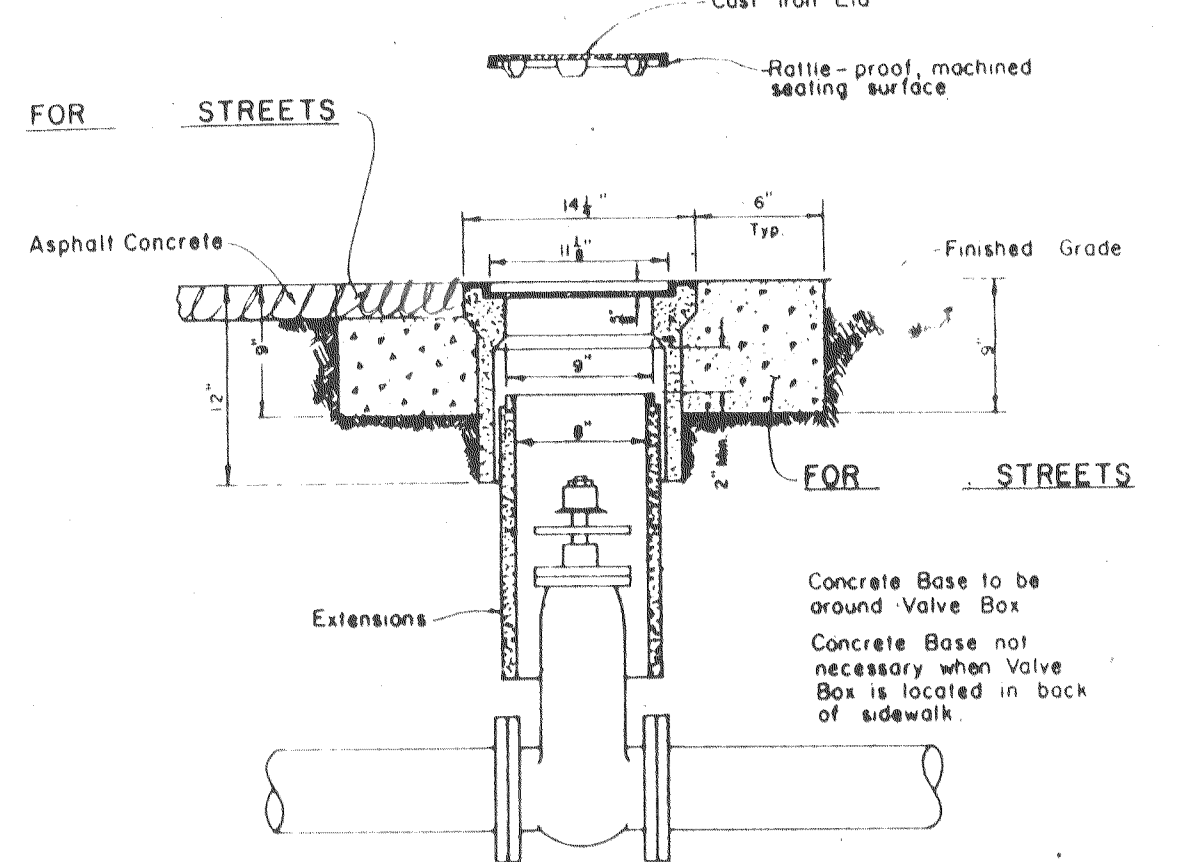


THRUST BLOCK DETAILS



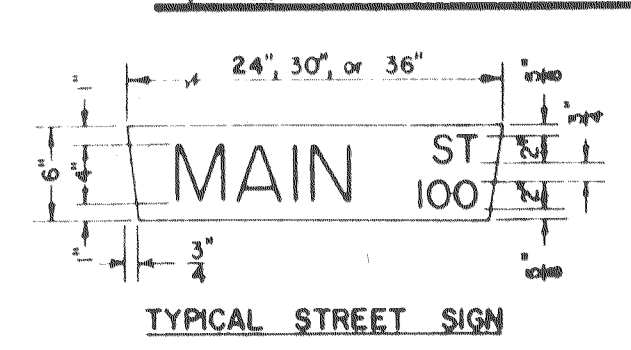
- NOTES:**
- Relative compaction of materials shall be tested by the State of California, Dept. of Public Works, Division of Highway, test method No. Calif. 216, 1978 or 23, 1978.
 - All existing pavement shall be neatly cut to line prior to trench excavation.
 - No jelling or ponding shall be permitted within the street Right of Way.
 - * When shown by soil composition and compaction, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.

TYPICAL TRENCH DETAIL

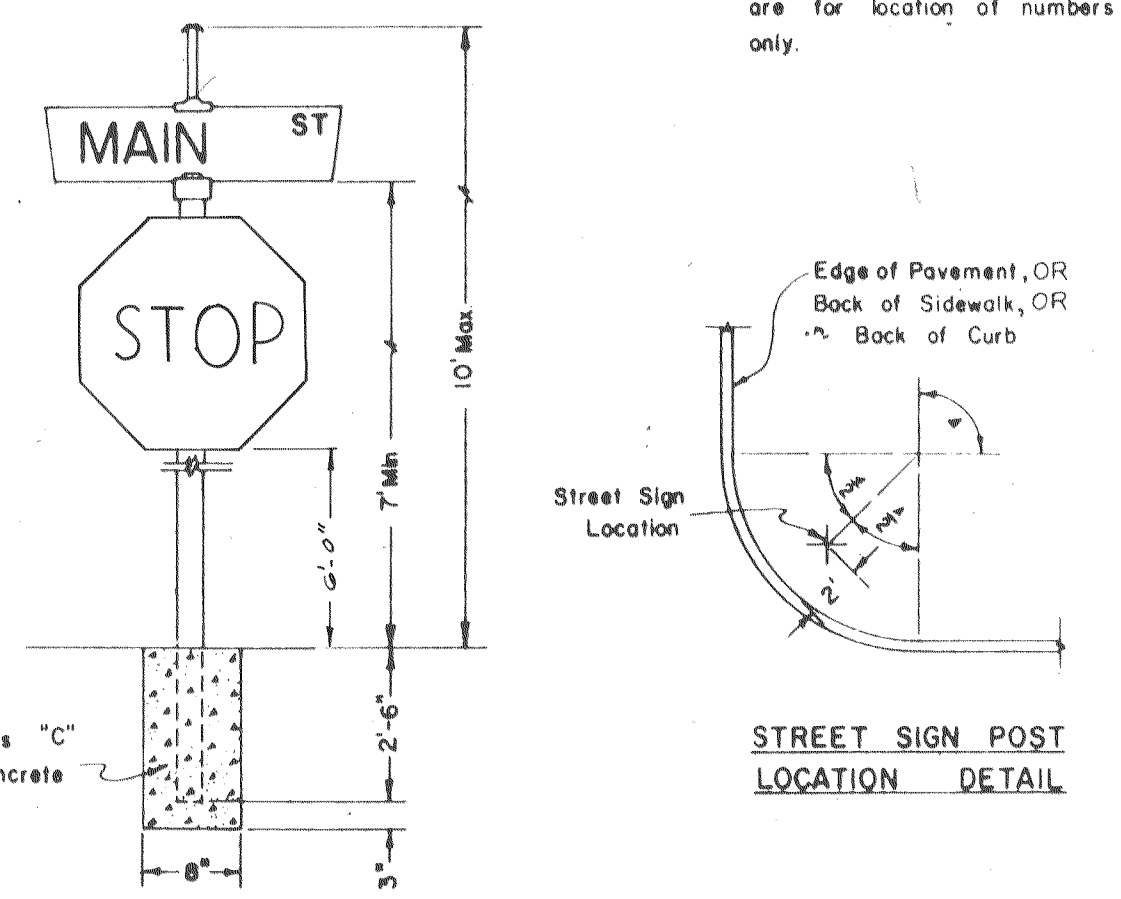


- NOTES:**
- Valve box and Lid shall be Christy No. G-5, Brooks No. RT or 4-TT, or equal.
 - All Lids and Grade Rings shall have machined seating surfaces.
 - Extensions shall be as manufactured for the Valve Box supplied or Pipe of correct size can be used.

VALVE BOX



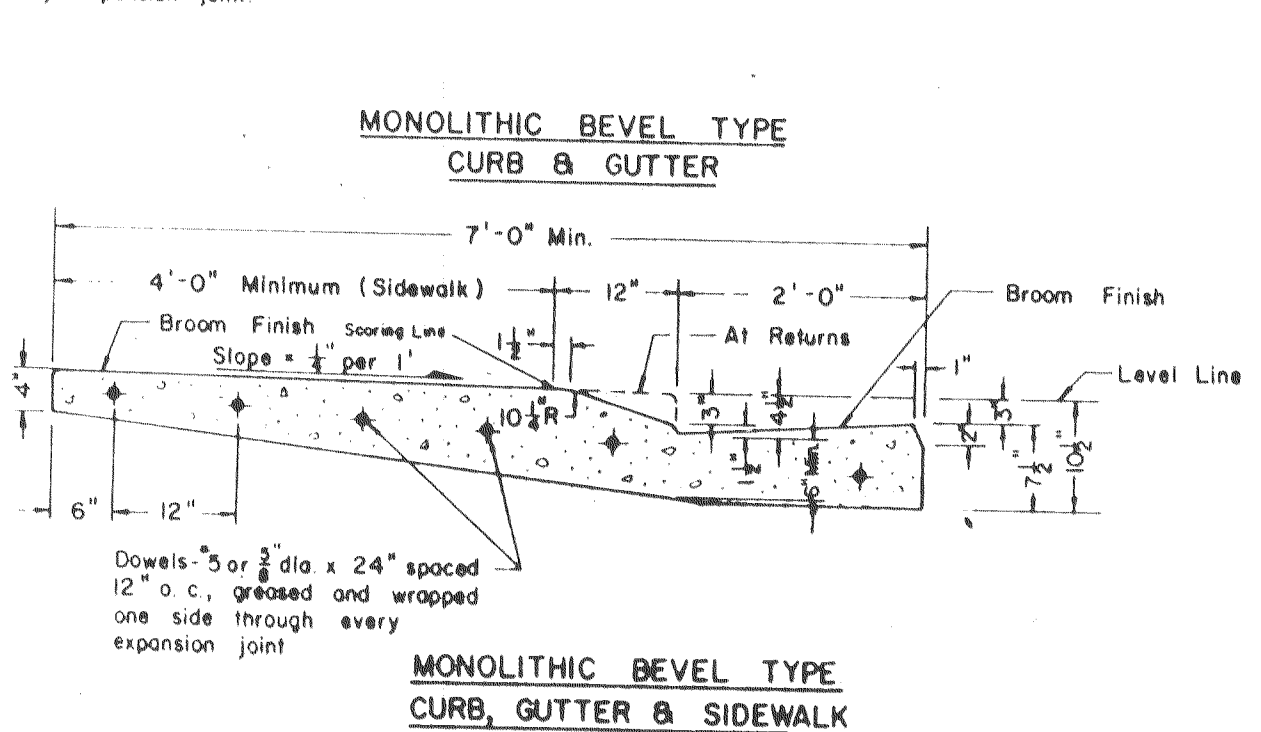
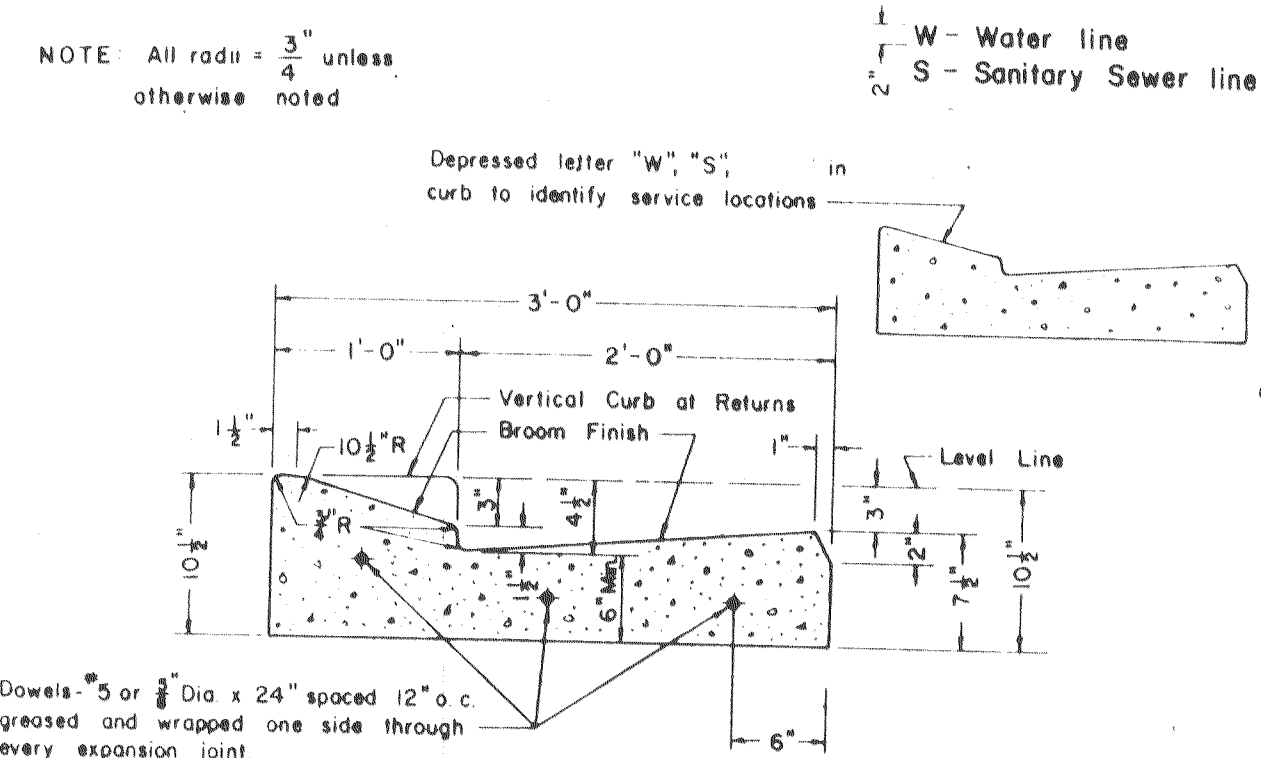
- NOTE:**
- One street sign is required at each intersection.
 - Dimensions for block numbers are for location of numbers only.



TYPICAL STREET SIGN INSTALLATION

STANDARD STREET SIGN DETAILS

NOTE: All radii = 3" unless otherwise noted



- NOTES:**
- Construct expansion joints @ 200' maximum and at returns, around light poles, hydrants and other fixed objects at sidewalk.
 - Transverse weakened plane joints shall be constructed @ 12' maximum intervals.

CURB GUTTER & SIDEWALK
SUBDIVISION STREETS

STANDARD STORM DRAIN INLET

TYPICAL SANITARY SEWER DETAILS

THRUST BLOCK DETAILS

STANDARD STREET SIGN DETAILS

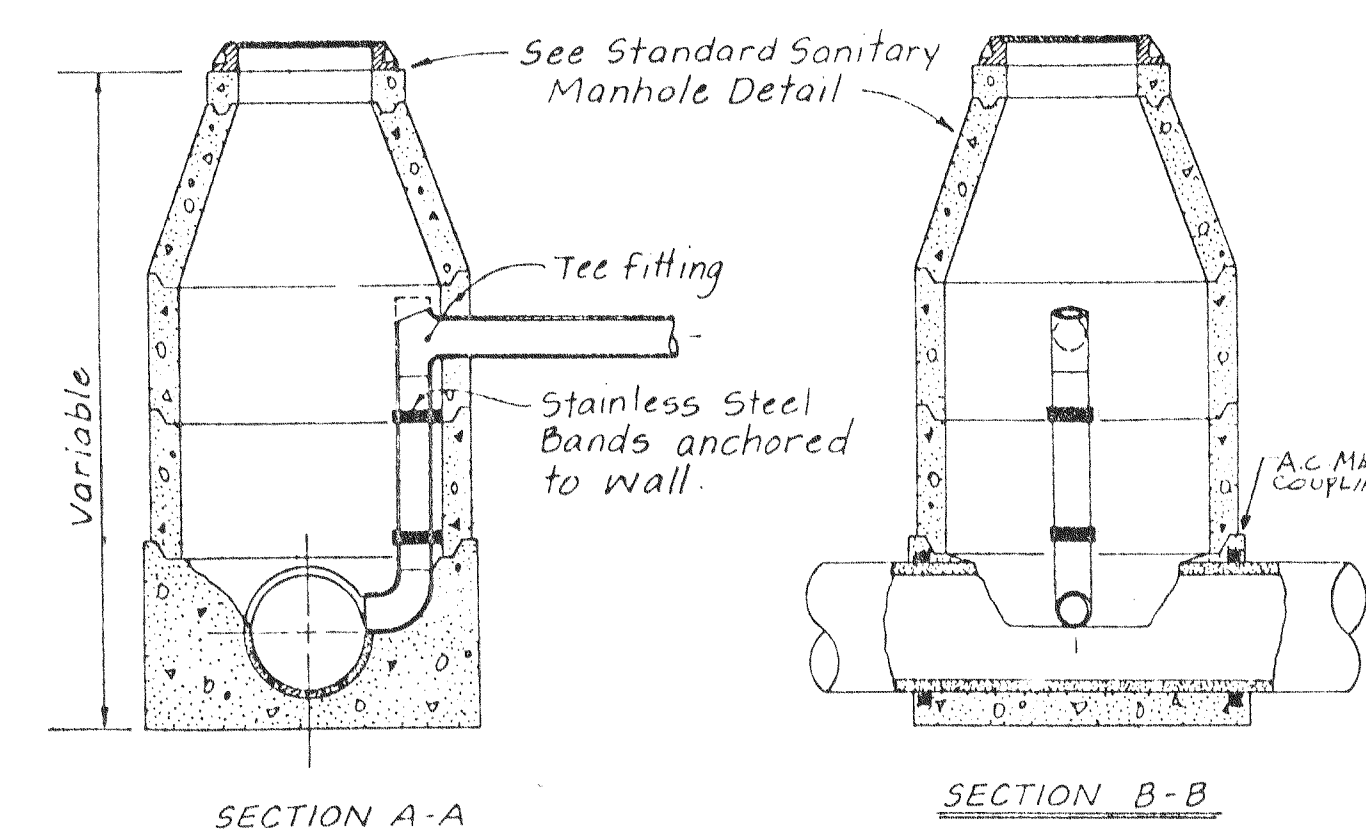
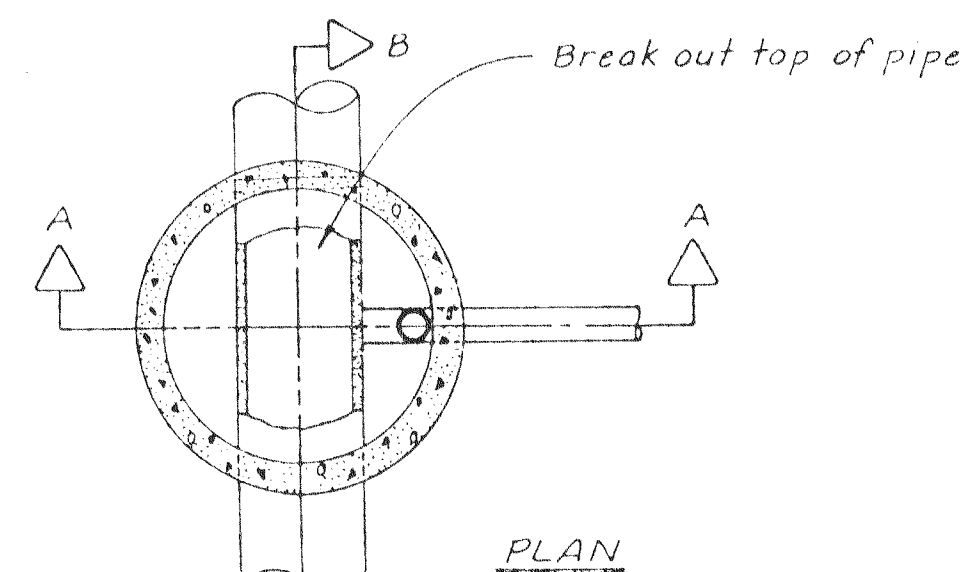
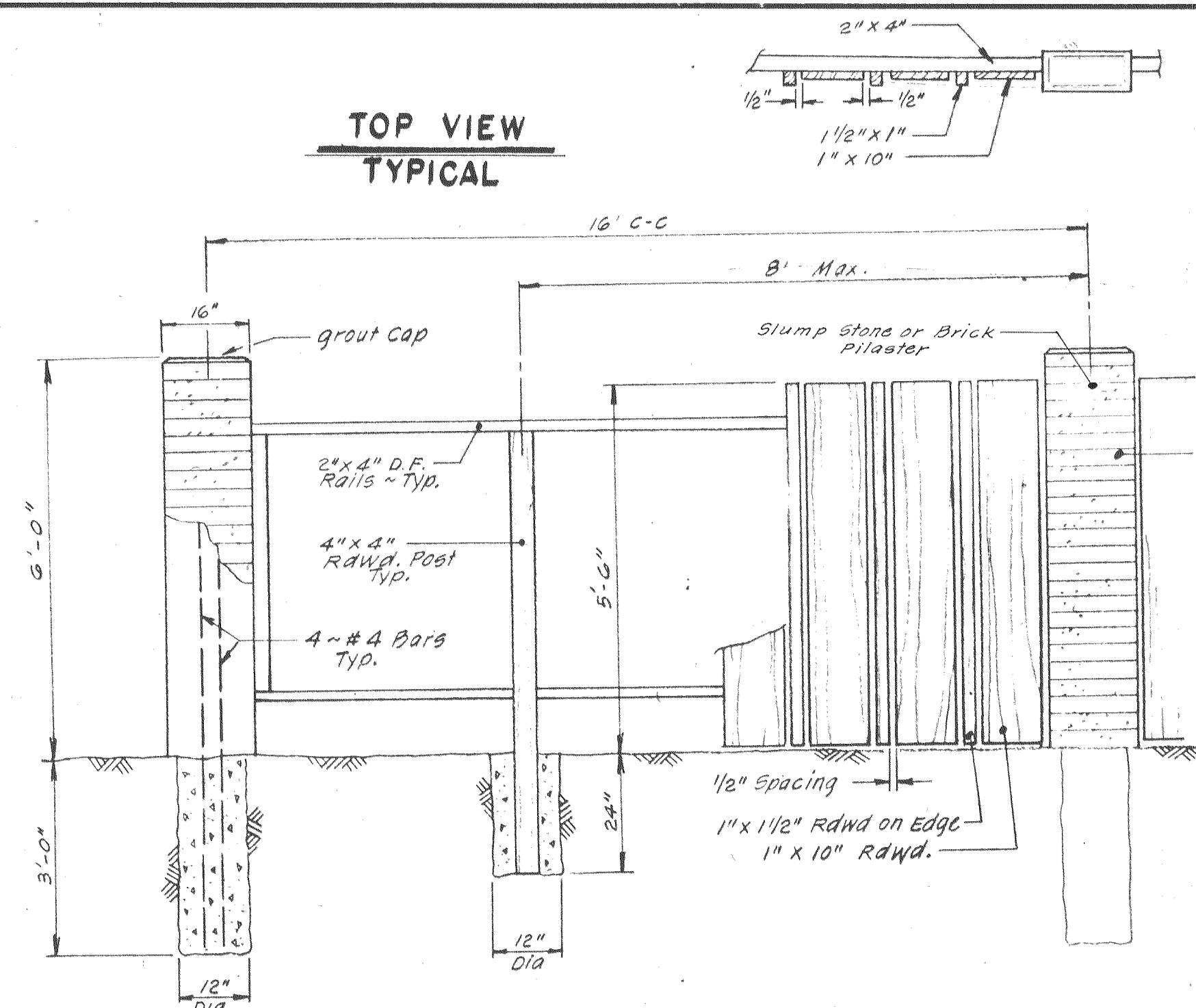
BAUMBACH & PIAZZA
CIVIL ENGINEERS - SURVEYORS
323 W. ELM ST., LODI, CALIF. 95240 PH. 209-368-6618

RIVER MEADOWS
UNIT NO 2
SUBDIVISION IMPROVEMENTS

DETAIL SHEET

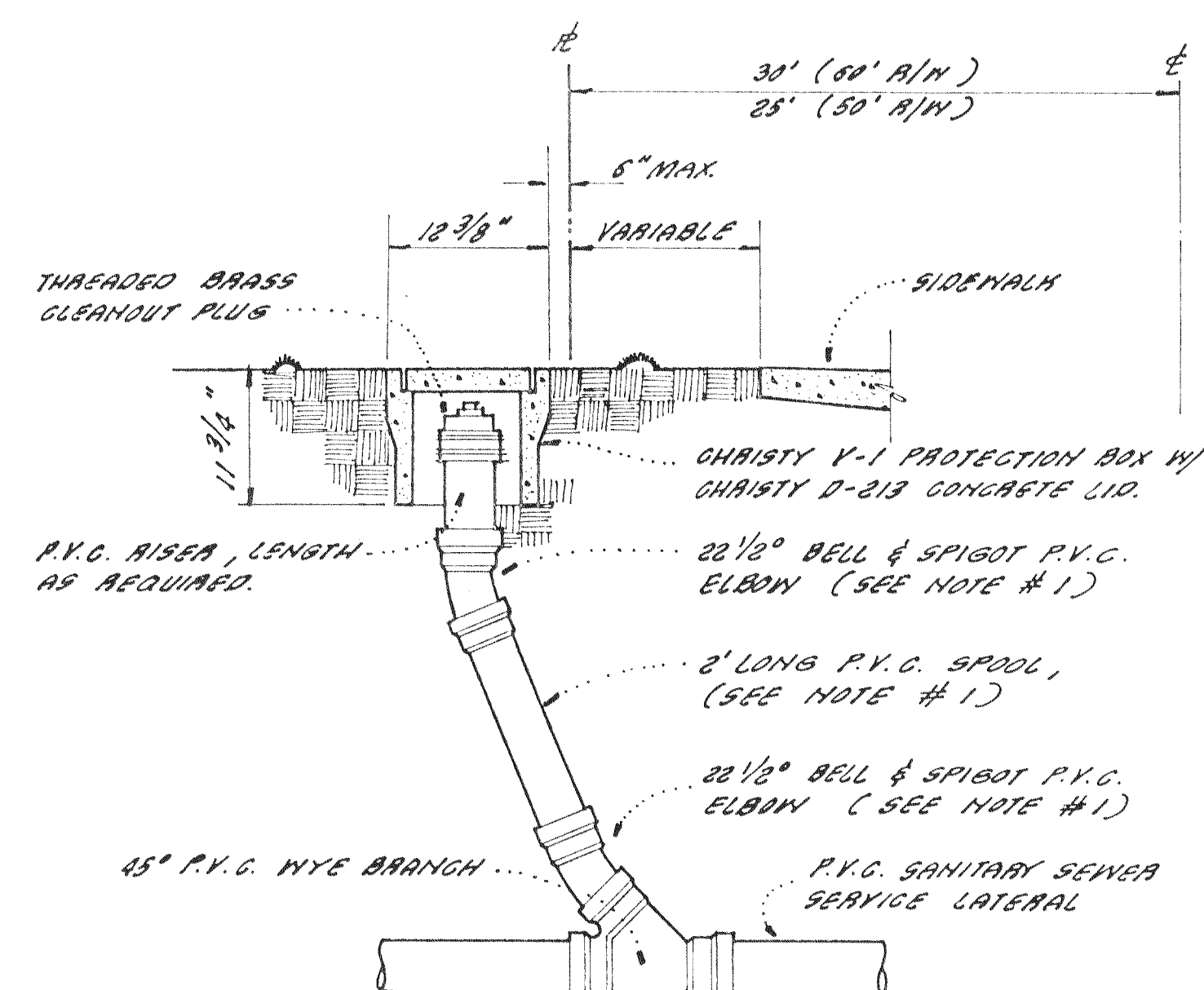
SHEET 7 OF 7
JOB NO. B0109-2
FILE NO.

NO	DATE	REVISIONS	BY	DESIGN	DRAWN BY	APPROVED
1	1963					
2	1968					
3	1968					
4	1968					
5	1968					
6	1968					
7	1968					
8	1968					
9	1968					
10	1968					



1. Drop Manhole shall be used when the difference in elevations of the flowline of upper line and the crown of lower line exceeds 24" inches.

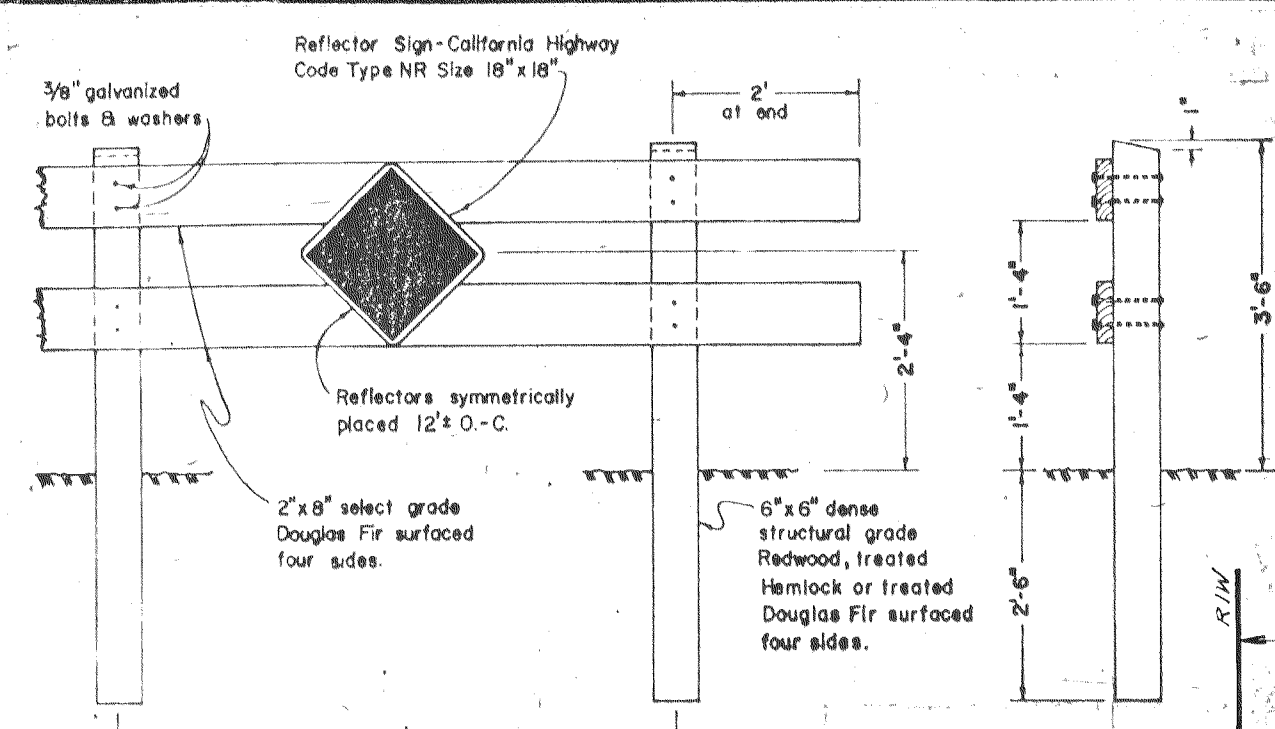
REVISION	DATE	WOODBRIIDGE SANITARY DISTRICT	APPROVED BY:
inlet Locat	Feb 79		<i>Kenneth P. Goodman</i> ENGINEER
DATE: 3/79		SANITARY SEWER	IMPROVEMENT
DRAWN BY: KF		DROP MANHOLE	STANDARD NO. U-3
CHECKED BY: k k			



NOTES

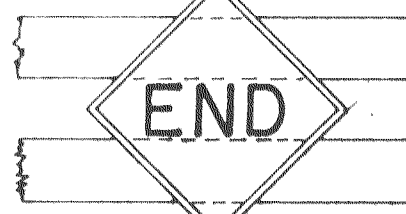
- 1) CONTRACTOR MAY SUBSTITUTE LONG-RADIUS R.F.C. BEND, IF AVAILABLE, FOR THE TWO 33 1/2° ELBOWS & 2" SPDOOL.
- 2) CLEANDITS SHALL BE INSTALLED ON ALL SEWER SERVICE LATERALS AT THE EDGE OF THE RIGHT-OF-WAY AS SHOWN.
- 3) CLEANDIT RISER AND FITTINGS SHALL BE POLYVINYL CHLORIDE (P.V.C.) PIPE CONFORMING TO ASTM D 3034 - SDR 35 WITH RUBBER RINGS MEETING THE REQUIREMENTS OF ASTM D-3212.
- 4) CLEANDIT RISER AND FITTINGS SHALL BE OF THE SAME DIAMETER PIPE AS THE SERVICE LATERAL.

REVISION	DATE	WOODBIDGE SANITARY DISTRICT	APPROVED BY:
			<i>Kevin P. Caldwell</i>
DATE: 11 JUNE 1982		SERVICE LATERAL CLEANOUT (PVC PIPE)	ENGINEER
DRAWN BY: A. J. ARZO			
CHECKED BY: L. L. T.			STANDARD NO. U-8



TYPE "A"

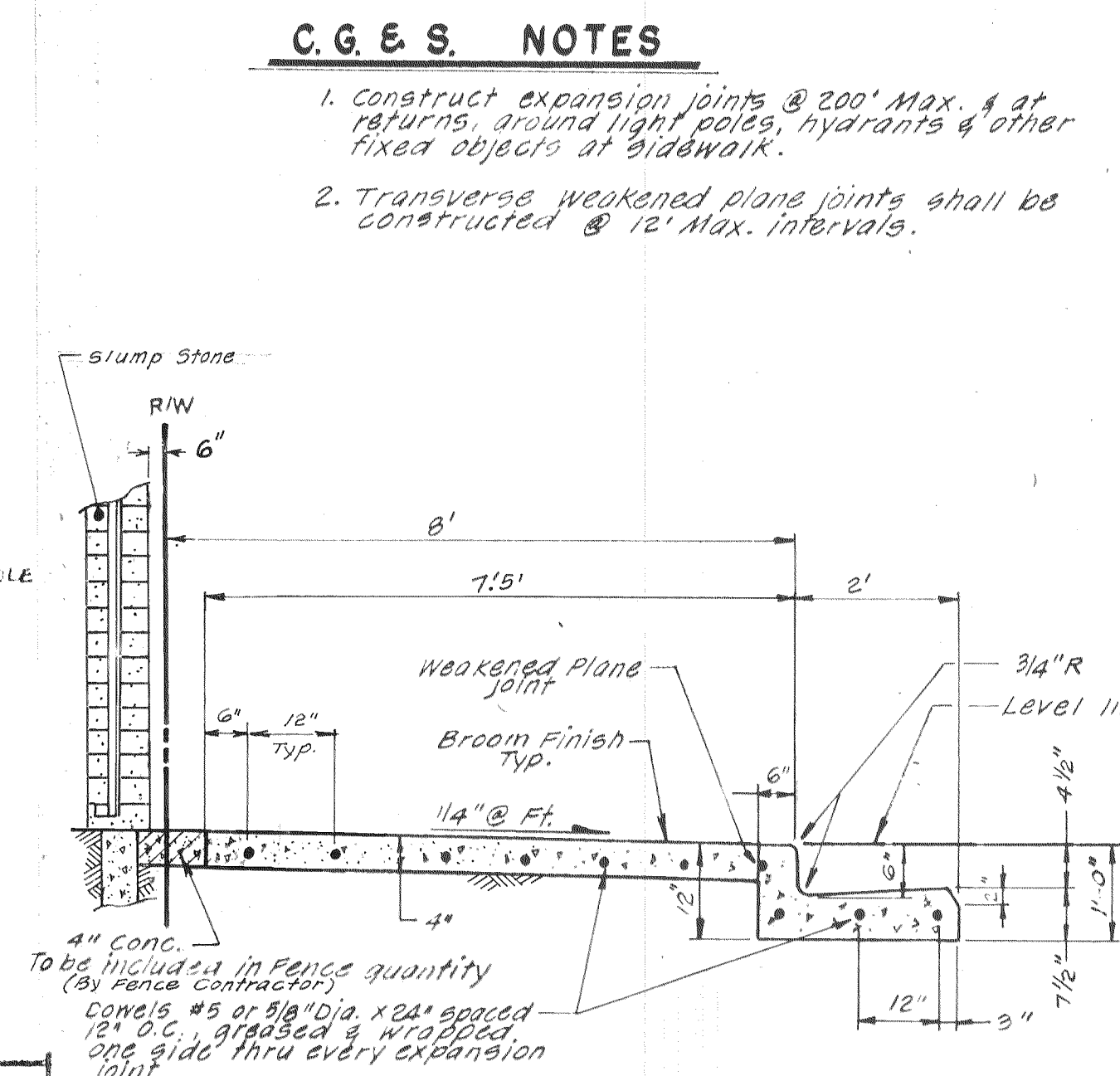
Reflective Sign-Calif. Hwy.
Code W31, 30" size
Center on Barricade.



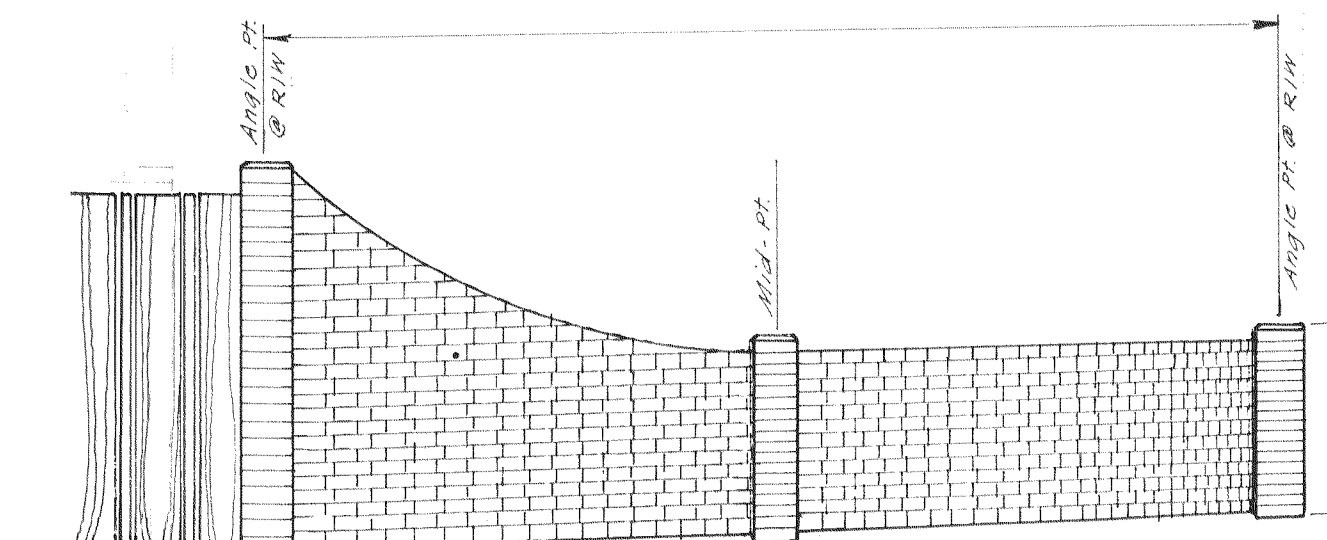
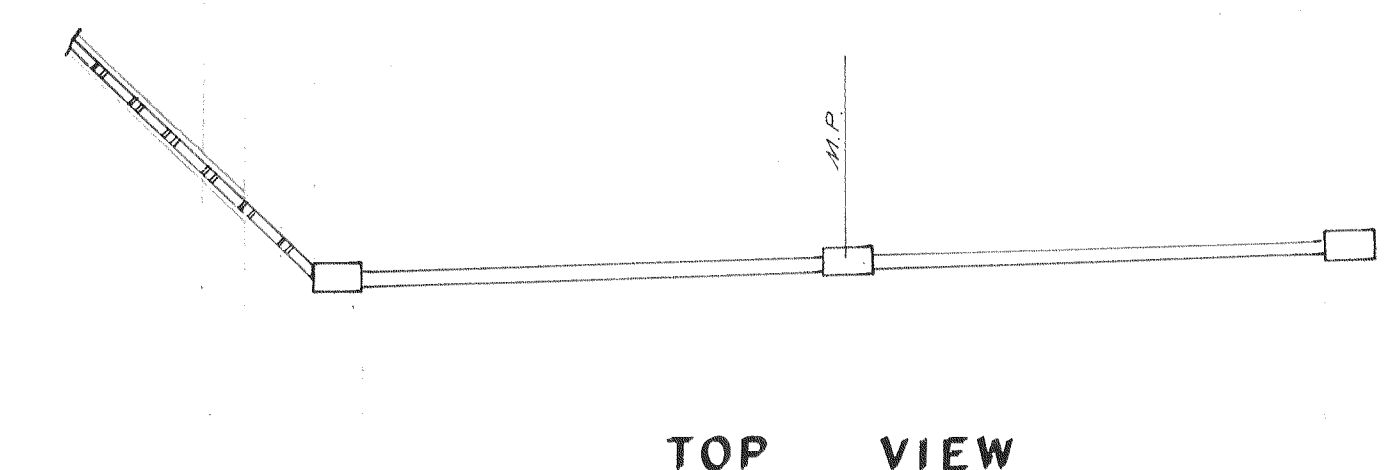
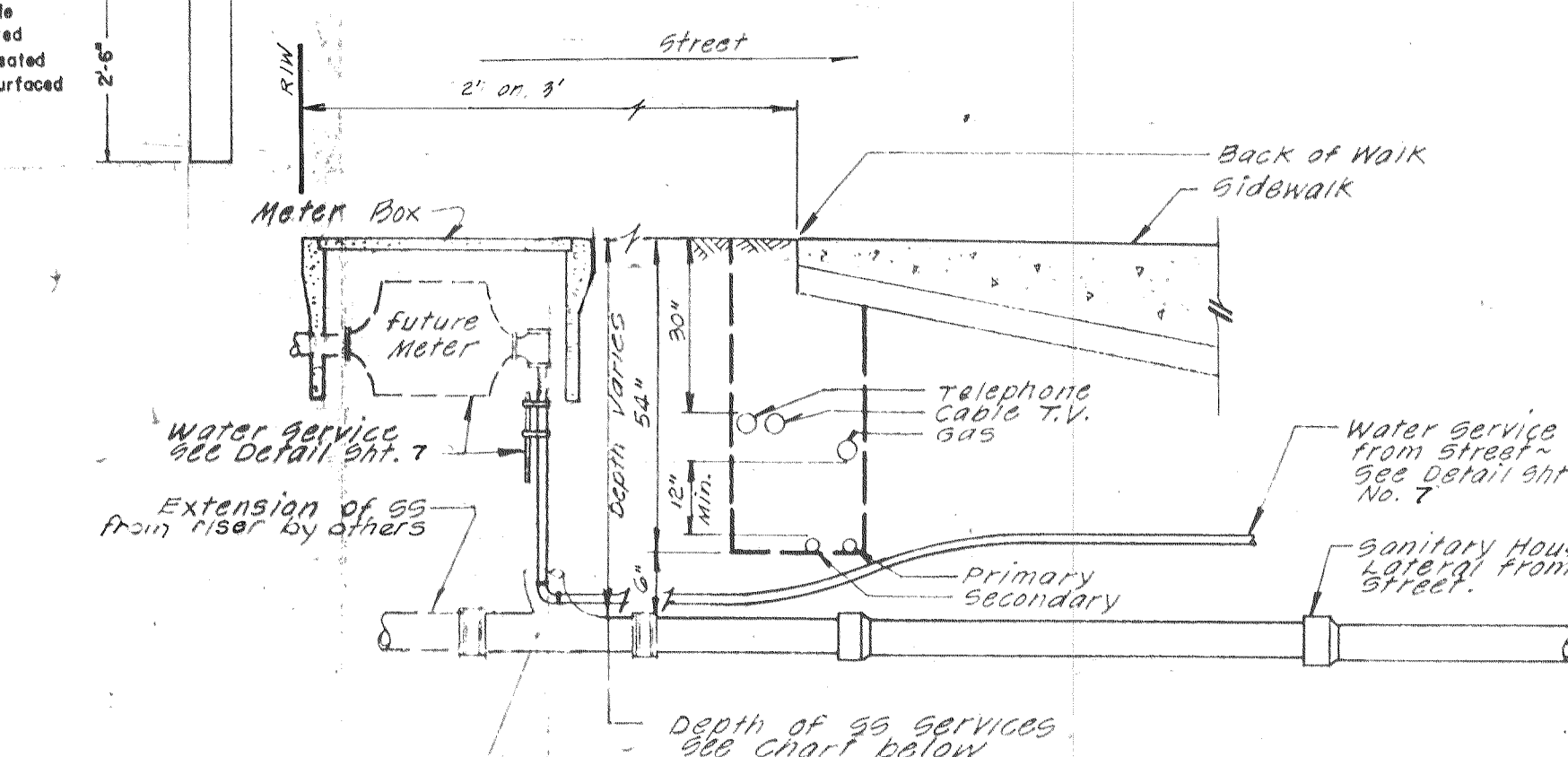
CENTER REFLECTOR

FOR TYPE "A" BARRICADE

NOTES:
1. Barricades to be as wide as street R/W
2. Barricades to be painted white using 2 coats of "Exterior Alkyd Resin Hi-Gloss Enamel" over a compatible primer.

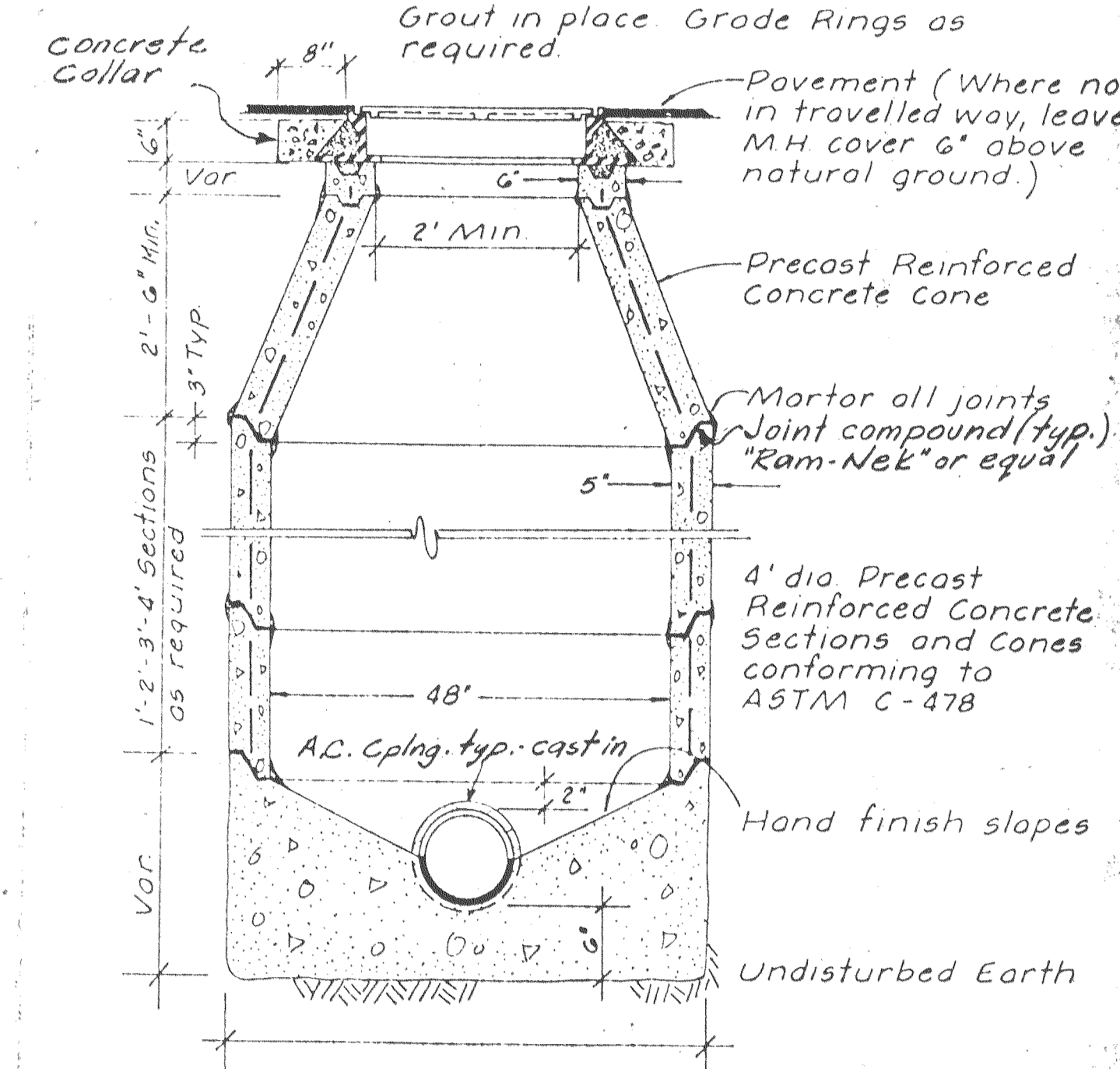


CURB GUTTER & SIDEWALK *NTS*



Pinkerton No. A-107 Frame and Cover
with "Sanitary Sewer" on cover.

Grout in place. Grade Rings as required.



Note: Use Class "B" concrete for all sections

AS-B
CORRECTIONS BY
NO CHANGES
DATE 9-6-07

NO.	DATE	REVISIONS	BY	DESIGN _____ DRAWN BY _____	APPROVED _____ 1984
				DESIGNED BY <i>Henry M. Hirata</i>	
				RCE 19638 DATE 6-6-84	HENRY M. HIRATA RCE 21258 SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS

BAUMBACH & PIAZZA
CIVIL ENGINEERS — SURVEYORS
323 W. ELM ST., LODI, CALIF. 95240 PH. 209-368-6618

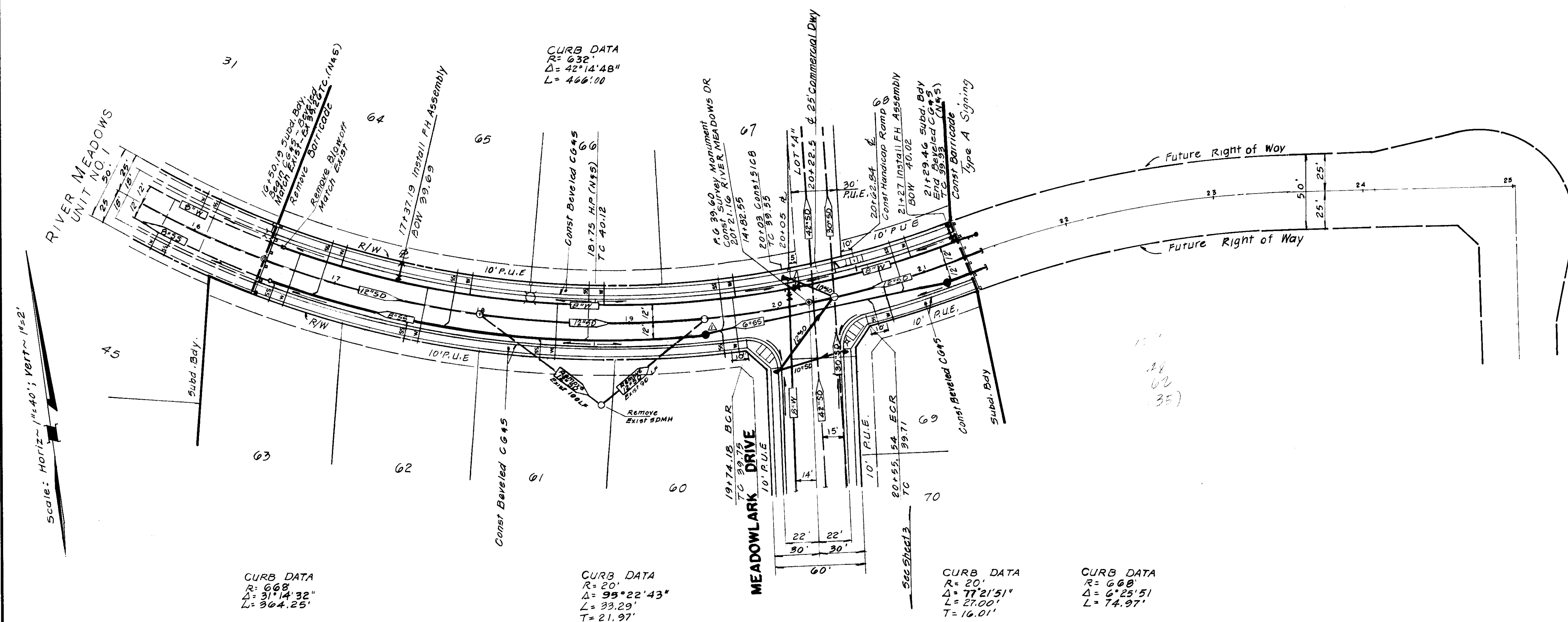
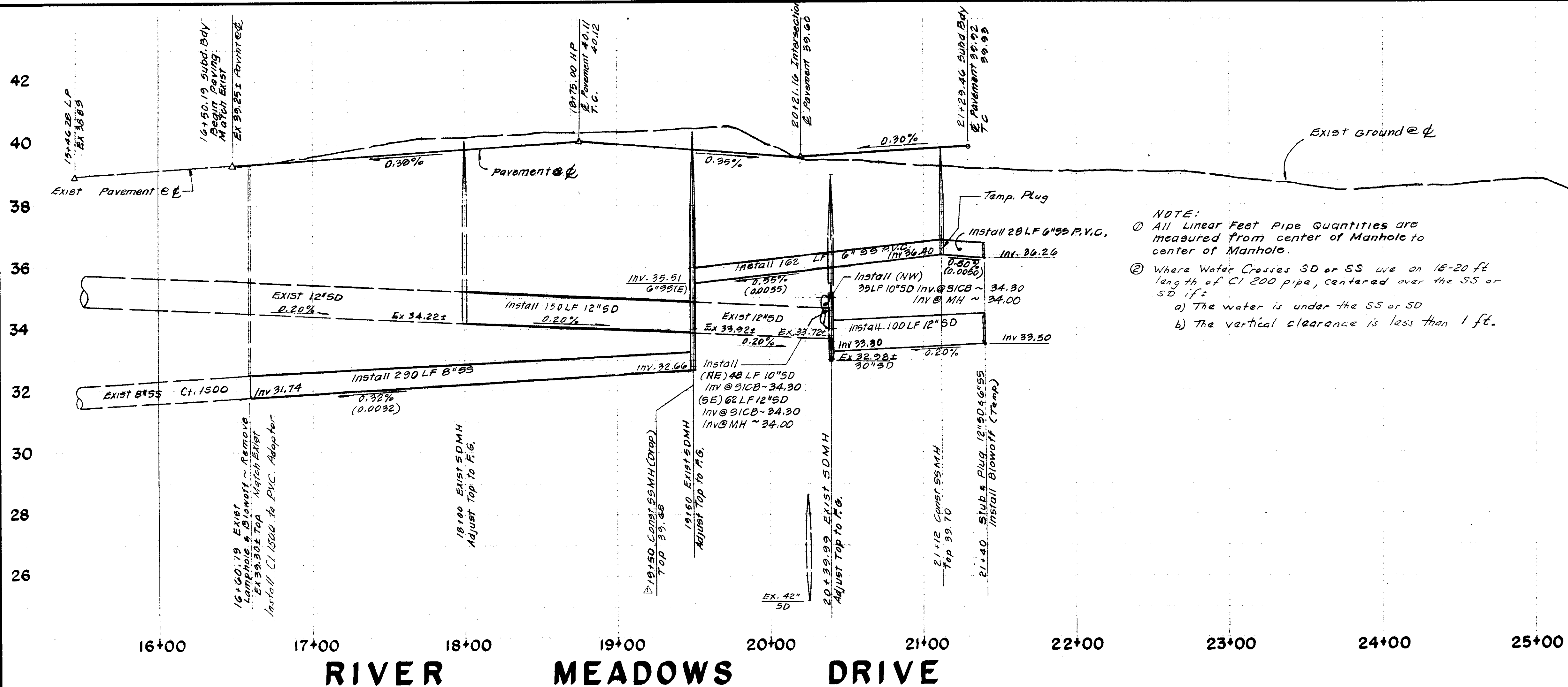
SPECIAL DETAILS

RIVER MEADOWS
SUBDIVISION IMPROVEMENTS
UNIT NO. 2

SHEET 6 OF 7

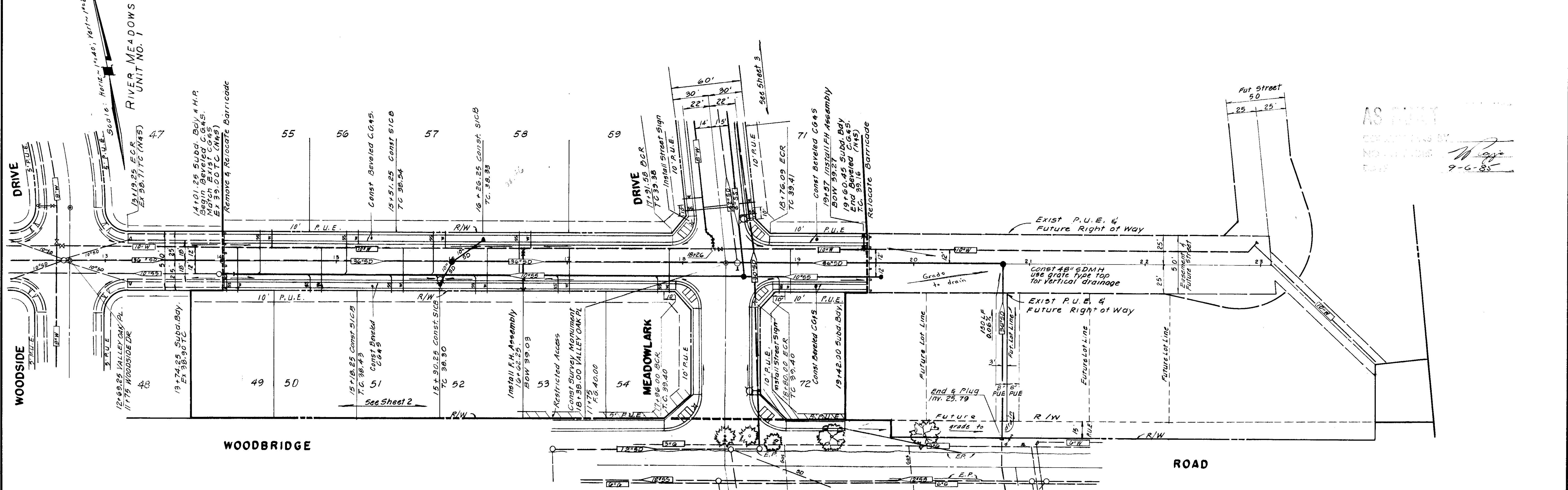
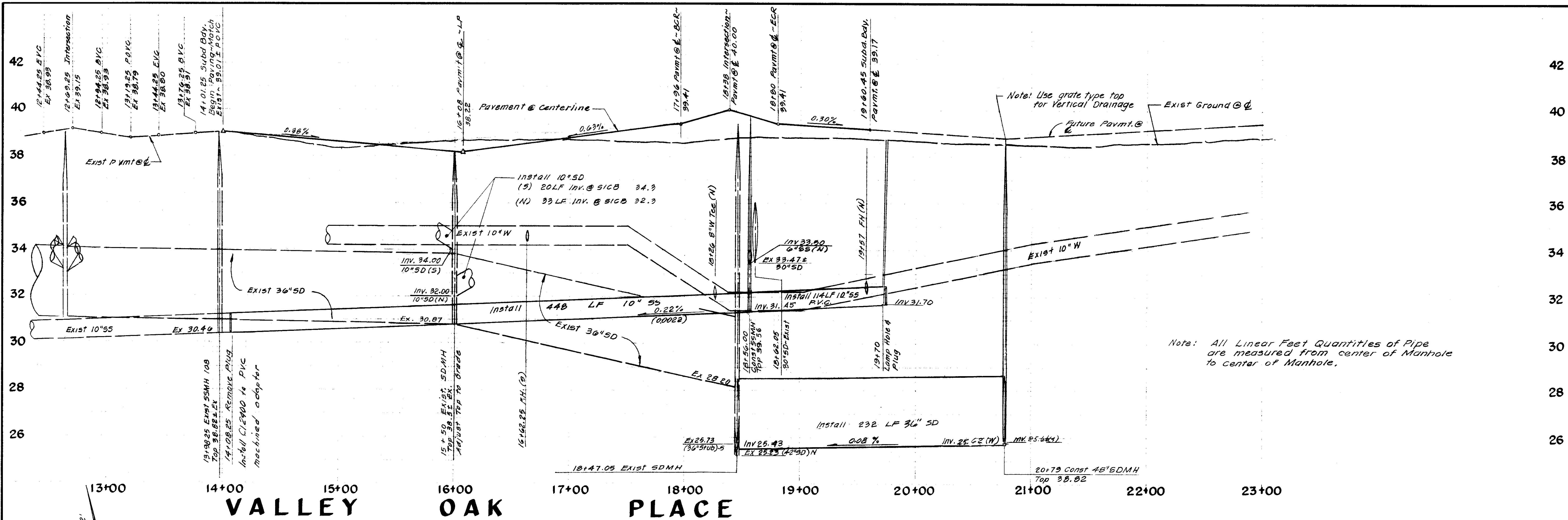
JOB NO. 80109-2

FILE

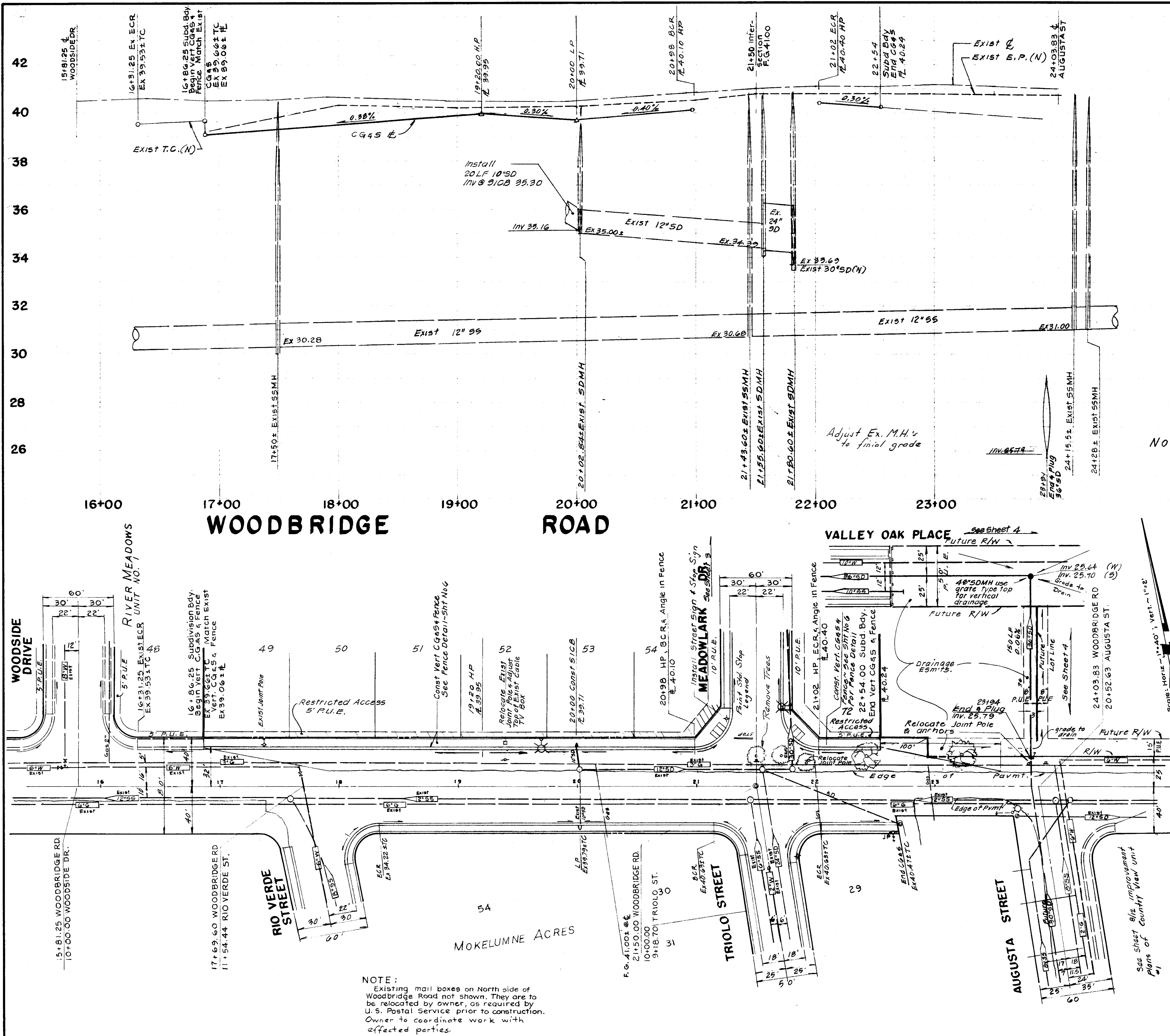


NO.	DATE	REVISIONS	BY	DESIGN	DRAWN BY	APPROVED	1984	BAUMBACH & PIAZZA	CIVIL ENGINEERS - SURVEYORS	323 W. ELM ST., LODI, CALIF. 95240	PH. 209-368-6618	RIVER MEADOWS DRIVE	RIVER MEADOWS UNIT NO. 2	SUBDIVISION IMPROVEMENTS	SHEET 5 OF 7	JOB NO. 80109-2	FILE NO.
1	9/26/84		TP														
2																	
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1891 05



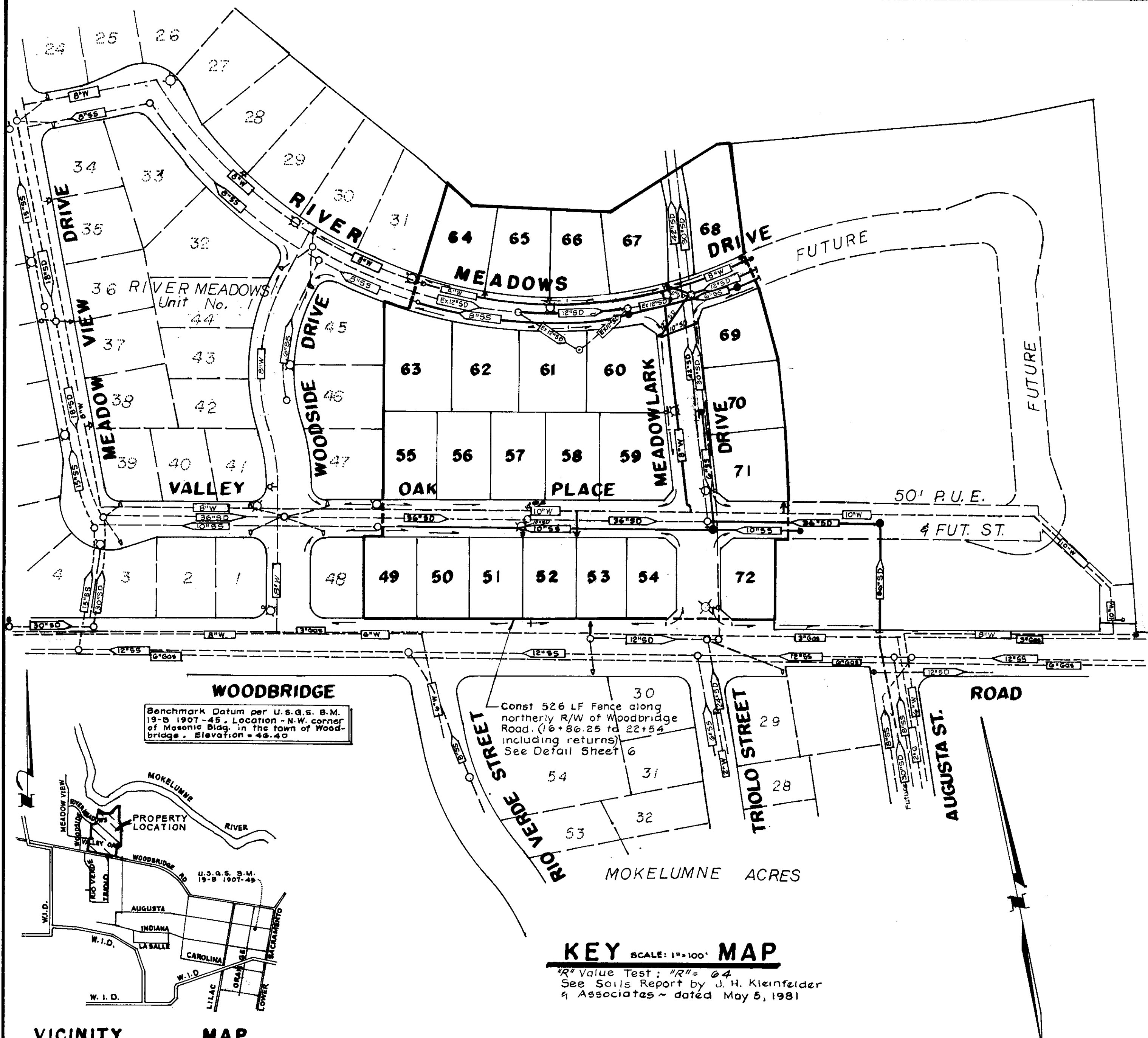
NO.		DATE		REVISIONS		BY	DESIGN		DRAWN BY		APPROVED		BAUMBACH & PIAZZA		VALLEY OAK PLACE		RIVER MEADOWS		SHEET 4 OF 7	
1		8/1/84		Add 36"SD		TP					1984		CIVIL ENGINEERS - SURVEYORS		323 W. ELM ST., LODI, CALIF. 95240		132'E/WOODSIDE DR TO 122'E/MEADOWLARK DR		JOB NO. 80109-2	
							DESIGNED BY		RCE 21258		HENRY M. HIRATA				PH. 209-368-6618		UNIT NO 2		FILE NO.	
							R.C.E. 19638		DATE 6-6-84		SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS						SUBDIVISION IMPROVEMENTS			



NOTE: All linear feet quantities of pipes are measured from center of manhole to center of manhole.

NOTE:
Existing mail boxes on North side of Woodbridge Road not shown. They are to be relocated by owner, as required by U.S. Postal Service prior to construction. Owner to coordinate work with affected parties.

NO. 1 DATE 8/1/84 REVISIONS 36 "SD" BY TP	DESIGN DRAWN BY DESIGNED BY [Signature] R.C.E. 19638 DATE 6-6-84	APPROVED HENRY M. HIRATA RCE 21258 SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS	1984 BAUMBACH & PIAZZA CIVIL ENGINEERS - SURVEYORS 323 W. ELM ST., LODI, CALIF. 95240 PH. 209-368-6618	WOODBIDGE ROAD 105'E/WOODSIDE DR TO 105'E/TRIOLO ST	RIVER MEADOWS UNIT NO 2 SUBDIVISION IMPROVEMENTS	SHEET 2 OF 7 JOB NO. 80109-2 FILE NO.
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CONSTRUCTION QUANTITIES

STREET SYSTEM	
Lot Grading & Grubbing	Lump Sum
Roadway Excavation	1,600 C.Y.
Compact Original Ground	60,800 S.F.
Concrete Subgrade Compaction	24,540 S.F.
Aggregate Base - Cl. II (0.33')	50,580 S.F.
Aggregate Base - Cl. II (0.50')	10,220 S.F.
Asphalt Concrete Type B (0.17')	61,370 S.F.
Vertical Curb, Gutter & Sidewalk	658 L.F.
Beveled Curb, Gutter & Sidewalk	2,629 L.F.
Commercial Driveway	124 S.F.
Commercial Curb & Gutter	31 L.F.
Survey Monument Type S	2 Each
Dead End Barricade	2 Each
Street Sign	4 Each
Street Light	1 Only
Fence (Woodbridge Road)	526 L.F.
By P. G. & E.	
STORM DRAIN SYSTEM	
10" Storm Drain	156 L.F.
12" Storm Drain	3/2 L.F.
*36" Storm Drain	382 L.F.
48" Storm Drain Manhole	1 Only
Side Inlet Catch Basin	6 Each
SANITARY SEWER SYSTEM	
6" Sanitary Sewer	354 L.F.
8" Sanitary Sewer	265 L.F.
10" Sanitary Sewer	562 L.F.
Sanitary Sewer Manhole	3 Each
Lamp Hole	2 Each
4" Sanitary Sewer Service	24 Each
WATER SYSTEM	
8" Water	798 L.F.
8" Water Valve	3 Each
Fire Hydrant Assembly (includes Tee, 6" Lateral, 6" Valve and Rich Ranger #960 or equal)	4 Each
1" Water Service	24 Each

* Installed by developer of Country View Subd - Unit No. 2

LEGEND	
S.I.C.B. or P	Side Inlet Catch Basin
L.P.	Low Point
H.P.	High Point
T.C.	Top of Curb
C.O.T.G.	Clean Out to Grade
S.W.	Storm Drain Line indicating direction of flow
S.S.	Sanitary Sewer Line indicating direction of flow
W.L.	Water Line
F.H.	Fire Hydrant
S.L.	Street Light

SERVICES	
Street Lights	Woodbridge Lighting District
Sewage	Woodbridge Sanitary District
Natural Gas & Electric	P. G. & E.
Telephone	Pacific Bell
Television Cable	Local Cable T.V.
Water	
Storm Drainage	Mokolunne Acres Maintenance District

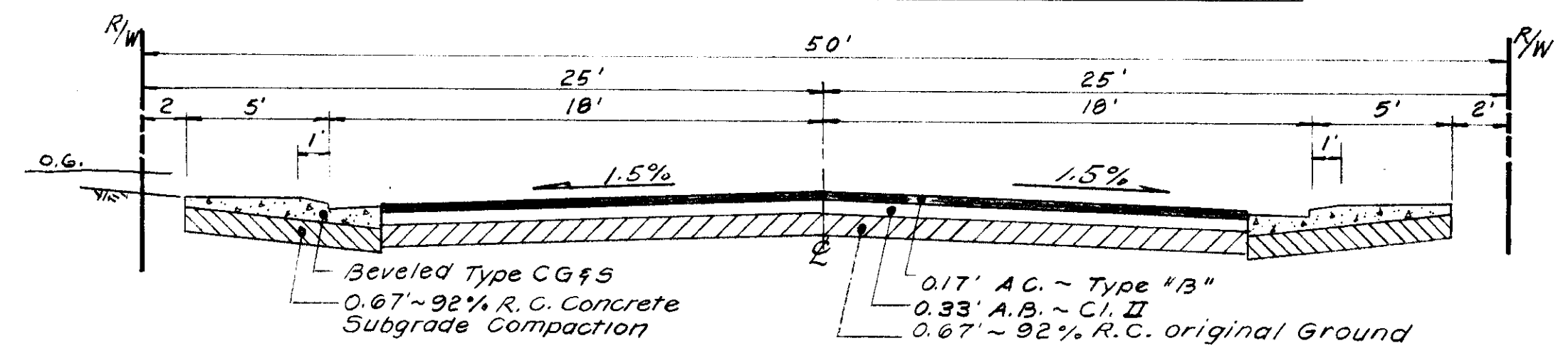
GENERAL NOTES

- All work shall conform to these plans and any special provisions for this project.
- Refer to the final map of this subdivision for all centerline and property line data.
- The street light system shall be installed by Pacific Gas & Electric Company.
- Contractor shall receive an approved set of plans prior to beginning construction.
- Baumbach & Piazza (Engineer) shall set all survey controls and construction stakes necessary for completion of work. The Contractor shall be responsible for the preservation of all survey and construction stakes. Survey and construction stakes that are lost or destroyed due to Contractor's negligence will be set by the Engineer at the Contractor's expense.
- The Contractor shall take precautionary measures to protect existing underground utilities. The Contractor shall do no excavation until all utility agencies have been given the opportunity to mark their facilities in the field.
- House services, fire hydrant laterals, and street light conduit shall be installed prior to curb and gutter construction. All underground utilities within the street area, including gas and telephone lines, shall be installed prior to paving.
- All manholes to be set flush with the finish grade unless otherwise indicated.
- All water lines shall have a minimum cover of 3' - 0".
- Any existing irrigation lines within the right of way shall be removed.
- Water used in any phase of construction, such as backfill compaction, dust control, testing or other work herein required, shall be included in the unit price or lump sum bid for the respective item of construction.
- Contractor agrees that he shall assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety for all persons and property; that this requirement shall apply continuously and not be limited to normal working hours and that Contractor shall defend, indemnify, and hold the Owner, County and the Engineer 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.
- The Contractor may use machinery capable of extruding concrete on compacted subgrade to place curb and gutter monolithically.
- Contractor shall give Engineer a minimum of 48 hours notification prior to staking any utilities.
- Water services shall be marked by the curb and gutter Contractor with a "W" stamped on the top of curb. Location of water markings shall be verified in the field by the Engineer.
- All work will be required to be inspected by the Department of Public Works. They shall be notified not less than 24 hours in advance of commencement of work.
- Fire Hydrant bid shall include the following: Tee, 6" Lateral, 6" Valve and complete fire hydrant assembly.
- Lot grading shall be completed before starting any underground construction. Refer to attached grading plan.
- Separation of water and sewer mains (including crossings) and sewer laterals crossing over water mains shall meet or exceed the latest standards of the State of California Department of Health Services.
- Contractor shall be responsible for notifying and co-ordinating all work with any agency requiring removal or relocation of utilities, such as Pacific Bell, P. G. & E., etc.
- Prior to performing any work in Woodbridge Road, the Contractor shall obtain an encroachment permit from the San Joaquin County Department of Public Works.
- All off-site water lines shall be pressure tested, disinfected, flushed and tested for bacteria in conformance with the San Joaquin County Health Code Requirements prior to connecting to existing water line.
- Contractor shall notify Mokolunne Acres Maintenance District for approval prior to connecting water line to existing water lines.
- Installation of all sanitary sewer improvements shall conform to the standards of the Woodbridge Sanitary District. All such work is subject to inspection by the District Engineer. The Contractor shall notify District Engineer 48 hours prior to the commencement of any work on the sanitary system.
- Contractor shall visit site prior to bidding. Specifications are a separate document.
- Sanitary sewer services shall be marked by the curb & gutter contractor with an "S" stamped on the top of curb.
- New traffic striping and the restoration of any damaged existing painted legends or signs is the responsibility of the Contractor and shall be included in his bid price.

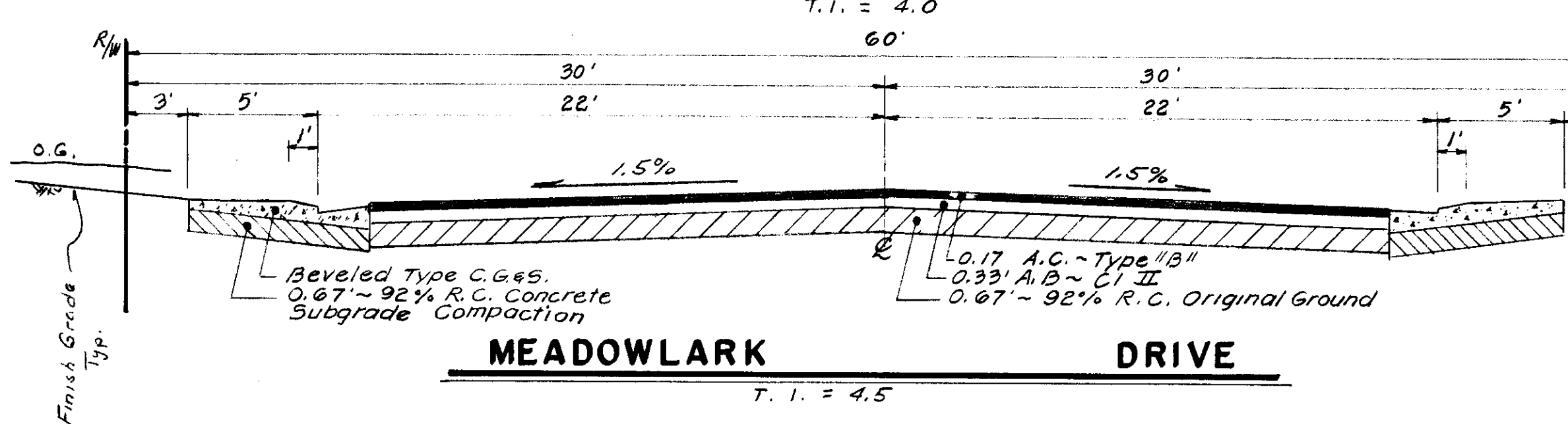
APPROVED BY

<i>[Signature]</i>	5-4-84
SAN JOAQUIN LOCAL HEALTH DISTRICT	DATE
<i>[Signature]</i>	5-10-84
SAN JOAQUIN FIRE WARDEN	DATE
<i>[Signature]</i>	4-13-84
CHIEF WOODBRIDGE FIRE DISTRICT	DATE
<i>[Signature]</i>	5-4-84
ENGINEER, WOODBRIDGE SANITARY DISTRICT	DATE

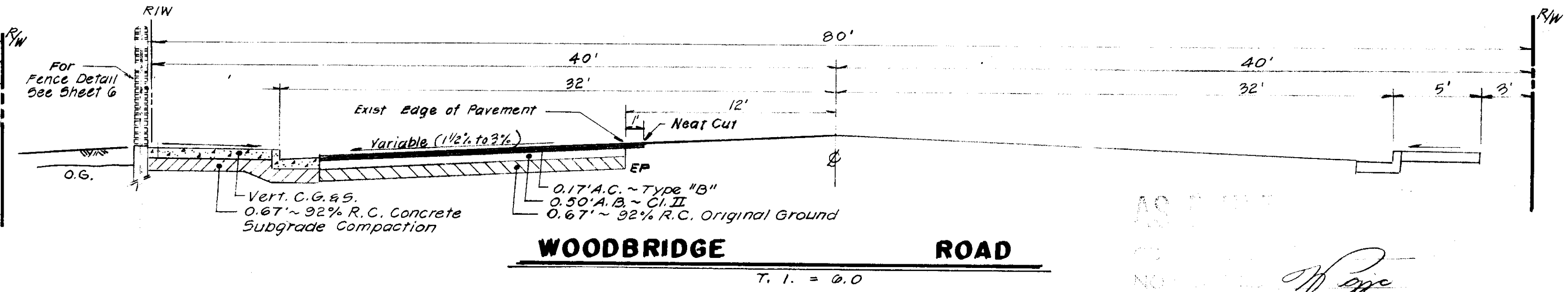
STRUCTURAL SECTION



VALLEY OAK PLACE RIVER MEADOWS DRIVE



MEADOWLARK DRIVE



WOODBRIDGE ROAD

Prime Coat, Reg'd Prior to Pavement

NO.	DATE	REVISIONS	BY	DESIGN	DRAWN BY	APPROVED	BAUMBACH & PIAZZA CIVIL ENGINEERS - SURVEYORS 323 W. ELM ST., LODI, CALIF. 95240 PH. 209-368-6618	KEY MAP	RIVER MEADOWS UNIT NO 2 SUBDIVISION IMPROVEMENTS	SHEET 1 OF 7
										JOB NO. 80109-2
										FILE NO.