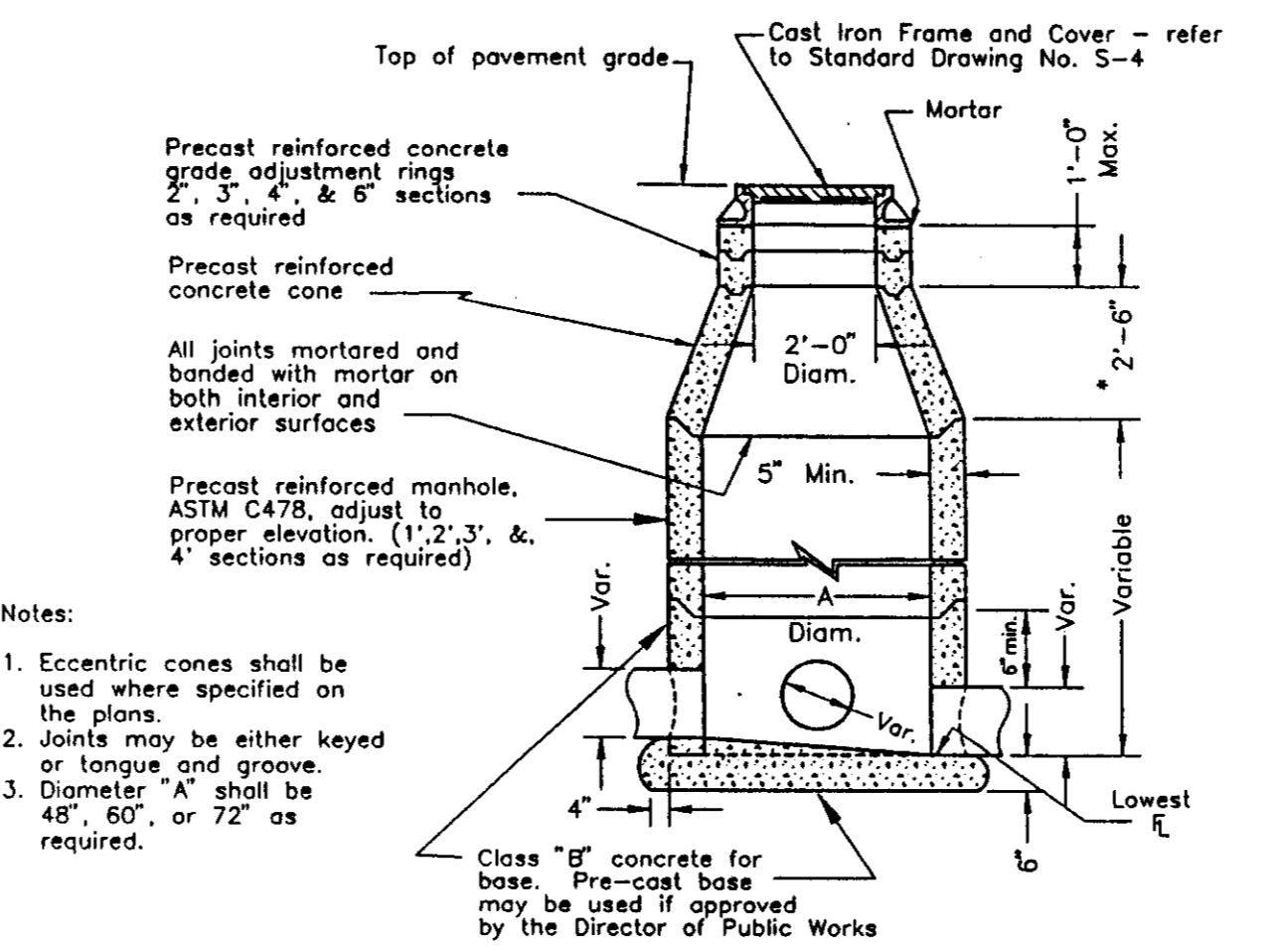
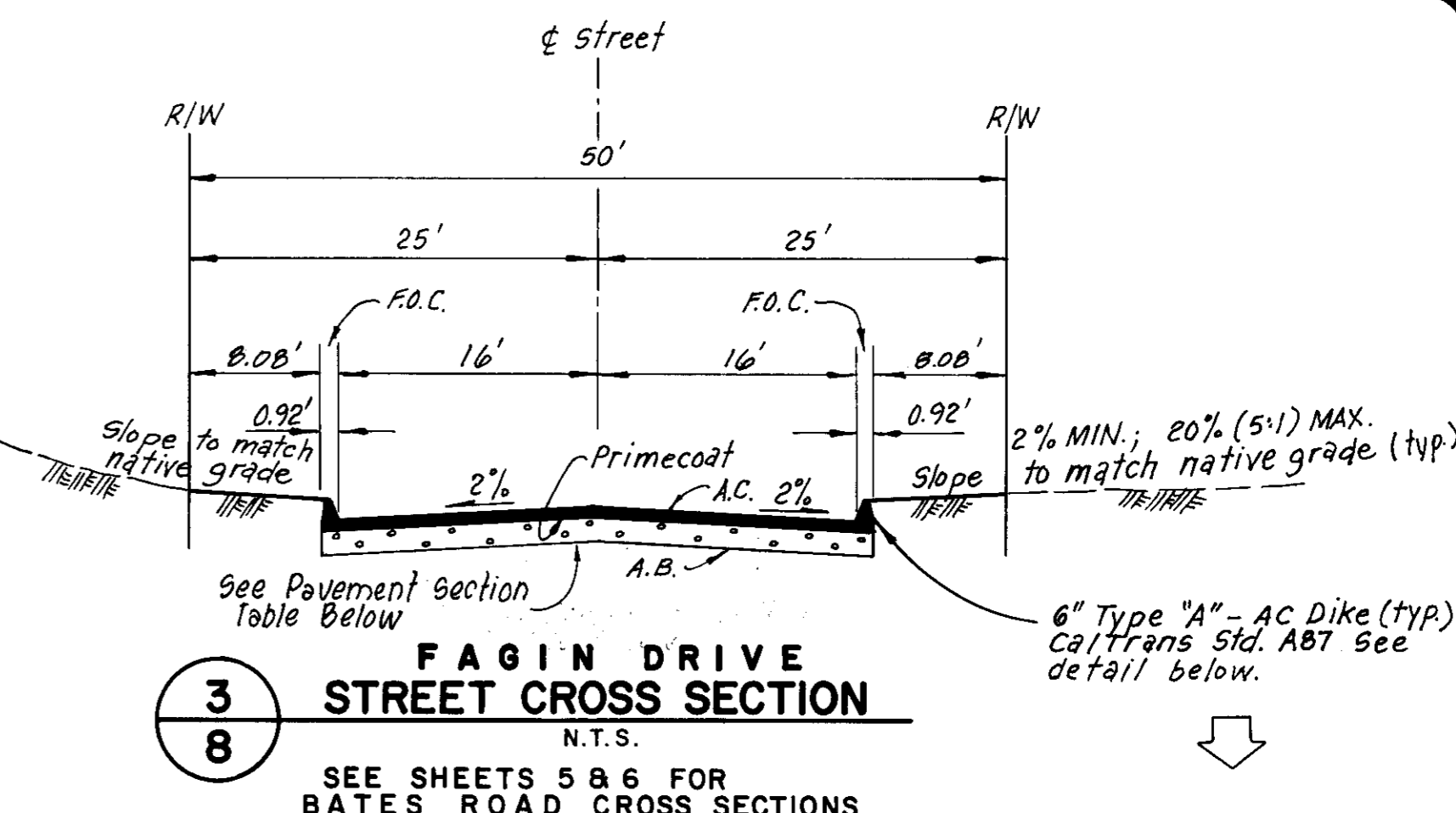


1 PROFILE: OUTFALL STRUCTURE
8 SCALE: 1" = 40' HORIZ.
1" = 10' VERT.

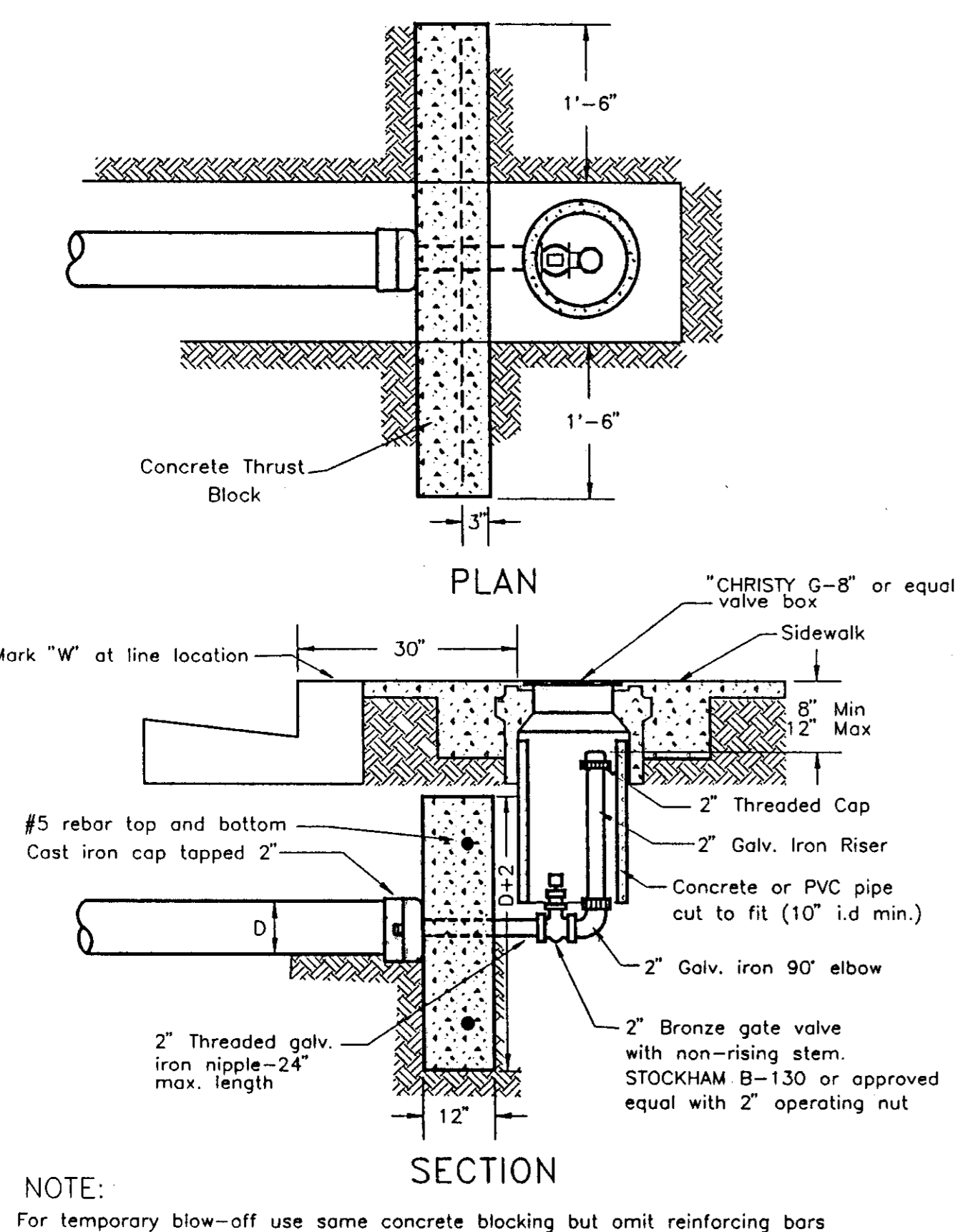
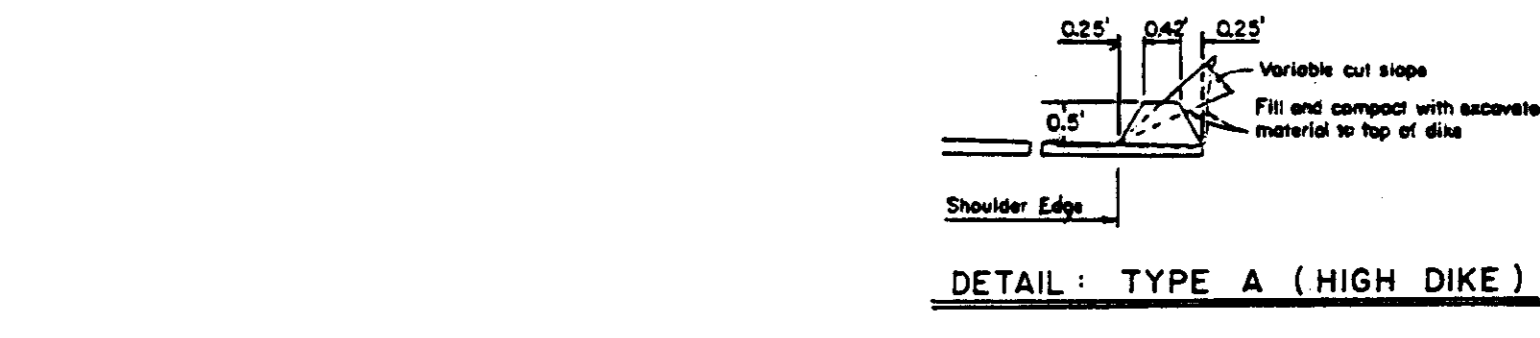


2 DETAIL: STORM SEWER MANHOLE
8 N.T.S.
NOTE: A 1'-6" concrete cone may be used if approved by the Director of Public Works
Flat slab shall be used when depth does not permit use of tapered unit. Use precast H-20 load rated as manufactured by Teichert Precast or equal. Frame shall be secured to riser or flat slab top with cement mortar

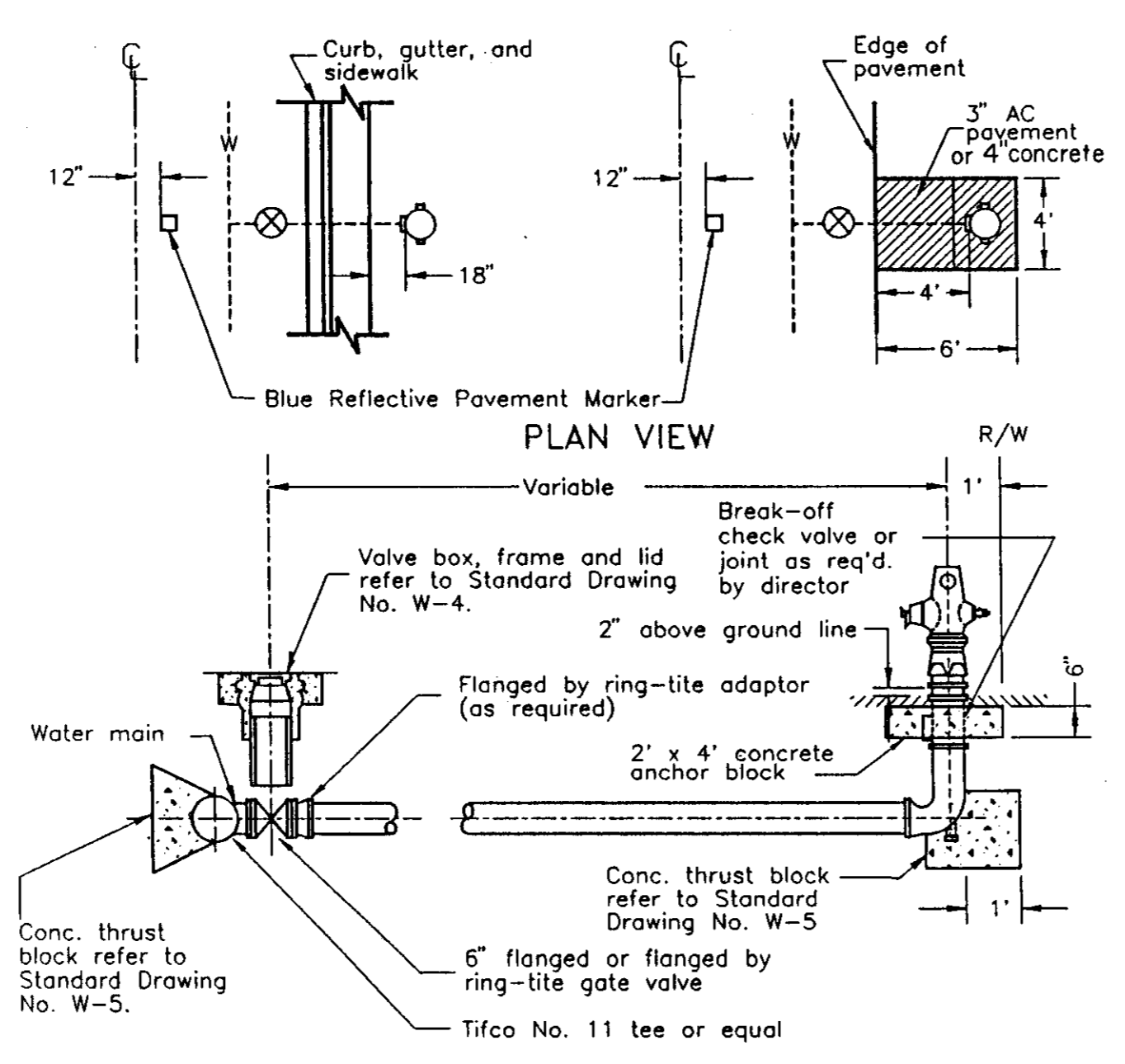


PAVEMENT SECTION TABLE

LOCATION	T.I.	R-VALUE	A.C.	A.B.	G.F. PAV'd	G.F. PAV'd
FAGIN DRIVE	4	5	2.5"	8"	1.216	1.258
BATES ROAD	5	5	3.0"	10"	1.520	1.542

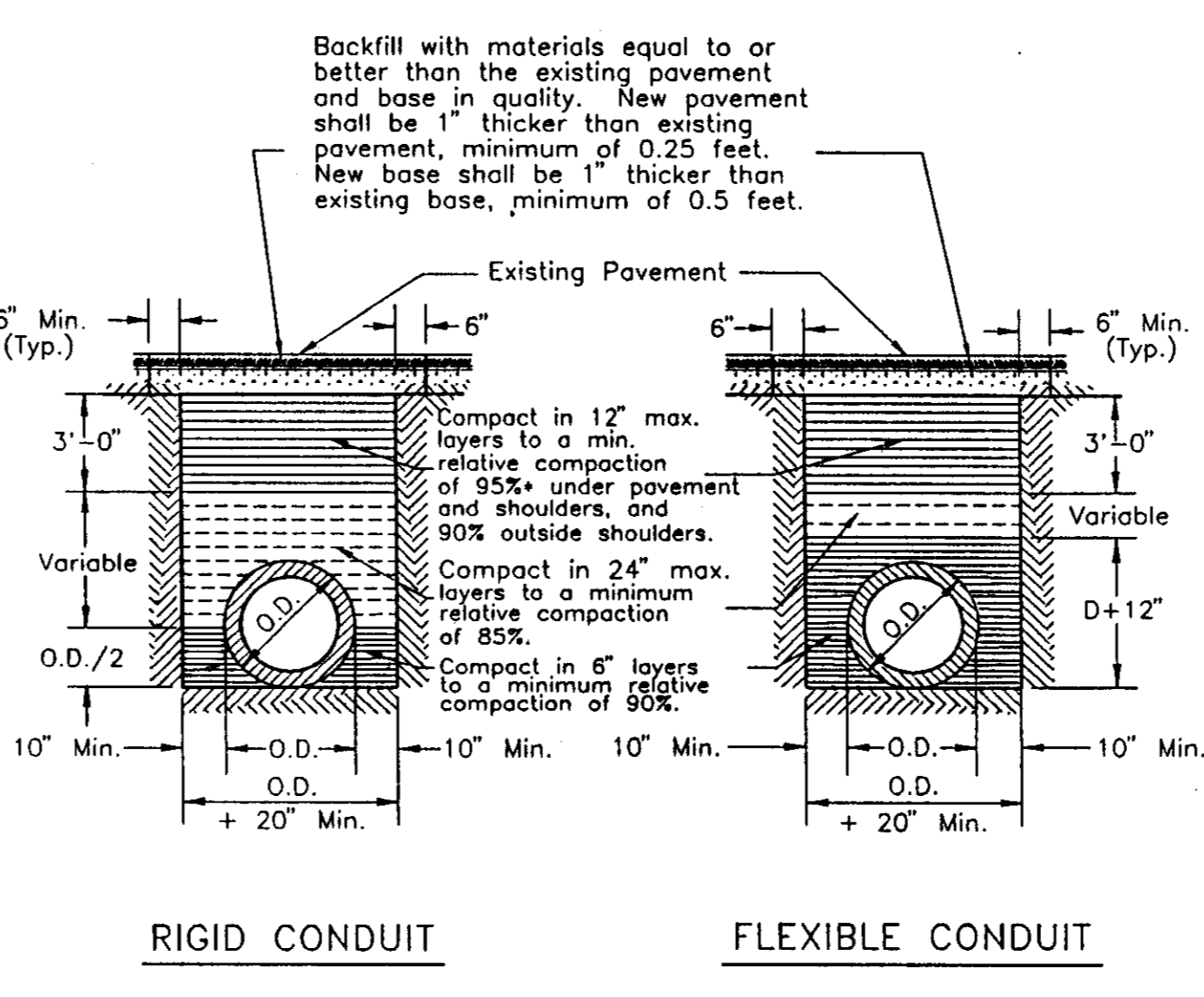


4 2" BLOWOFF VALVE
8



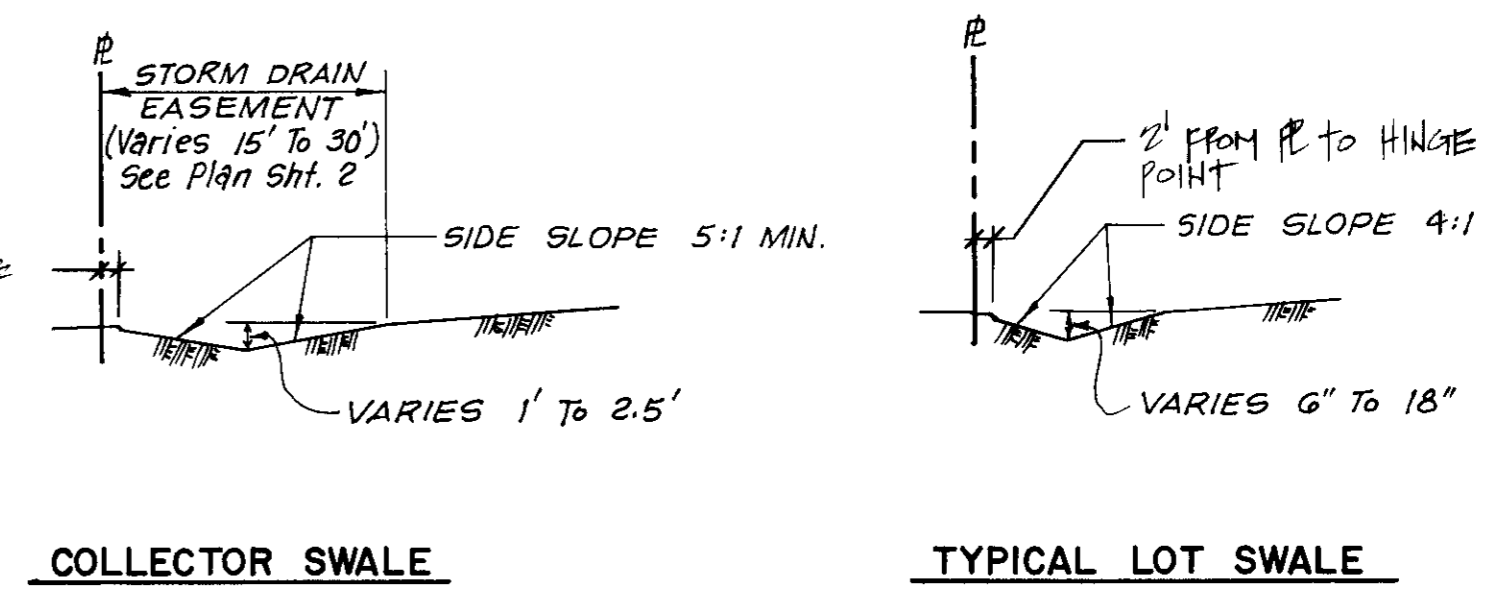
- NOTES:
- Fire hydrants shall be placed with pumper outlet facing directly towards the street.
 - Fire hydrants shall be clean and free of concrete.
 - Fire hydrants to be American Darling model B-52B, Long Beach model 615, James Jones J-4060, Dresser M & H style 929, "reliant", Mueller "Centurion" or "Modern Centurion", or approved equal with (2) 1/2" & (1) 1/4" outlets. Dry barrel in the Stockton area. (2) 1/2" & (1) 1/4" wet barrel in other areas as approved by the fire chief.
 - All hydrants shall be painted OSHA safety yellow or as approved by the fire district.
 - Break off check valve, Long Beach Iron Works, model LB 400, or approved equal

5 FIRE HYDRANT
8



- NOTES:
- Relative compaction of materials shall be tested in accordance with the State of California, Dept. of Transportation Testing Manuals, test method No. California 216 or 231.
 - All existing pavement shall be neatly cut to line prior to trench excavation. Jelling or ponding will be permitted within the street Right of Way with a 3 year bond.
 - When shown by soil composition and compactability, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.
 - Special bedding requirements may be shown on the plans or specified in special provisions.
 - Shoulders shall be as shown on the plans or specified in the special provisions but in no case shall the shoulder be less than three feet wide as measured from the edge of pavement.
 - The contractor is responsible for obtaining the specified compaction. If compaction cannot be attained with native backfill material, the contractor shall import granular backfill materials at his expense.

6 TYPICAL TRENCH BACKFILL
8



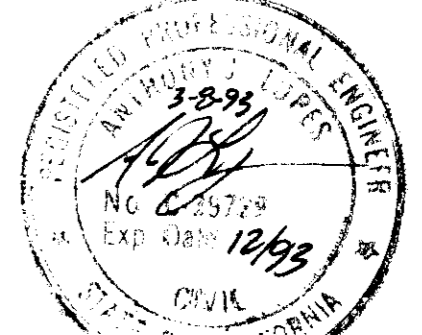
7 DETAIL: EARTH SWALE
8

SU2702

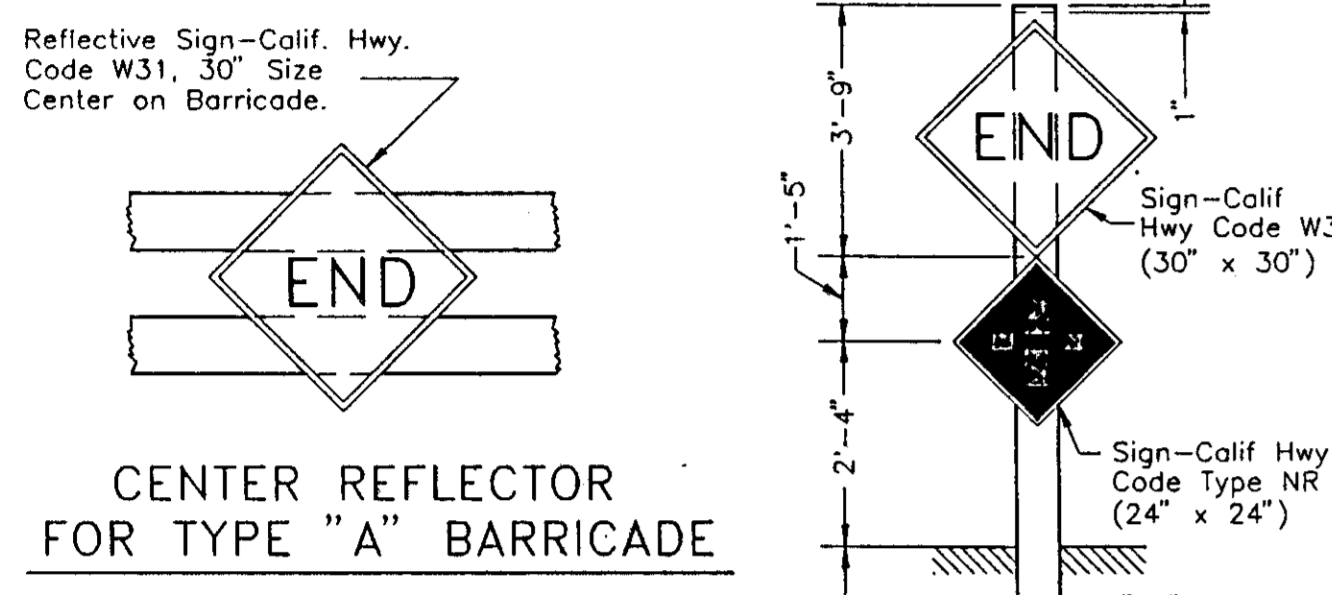
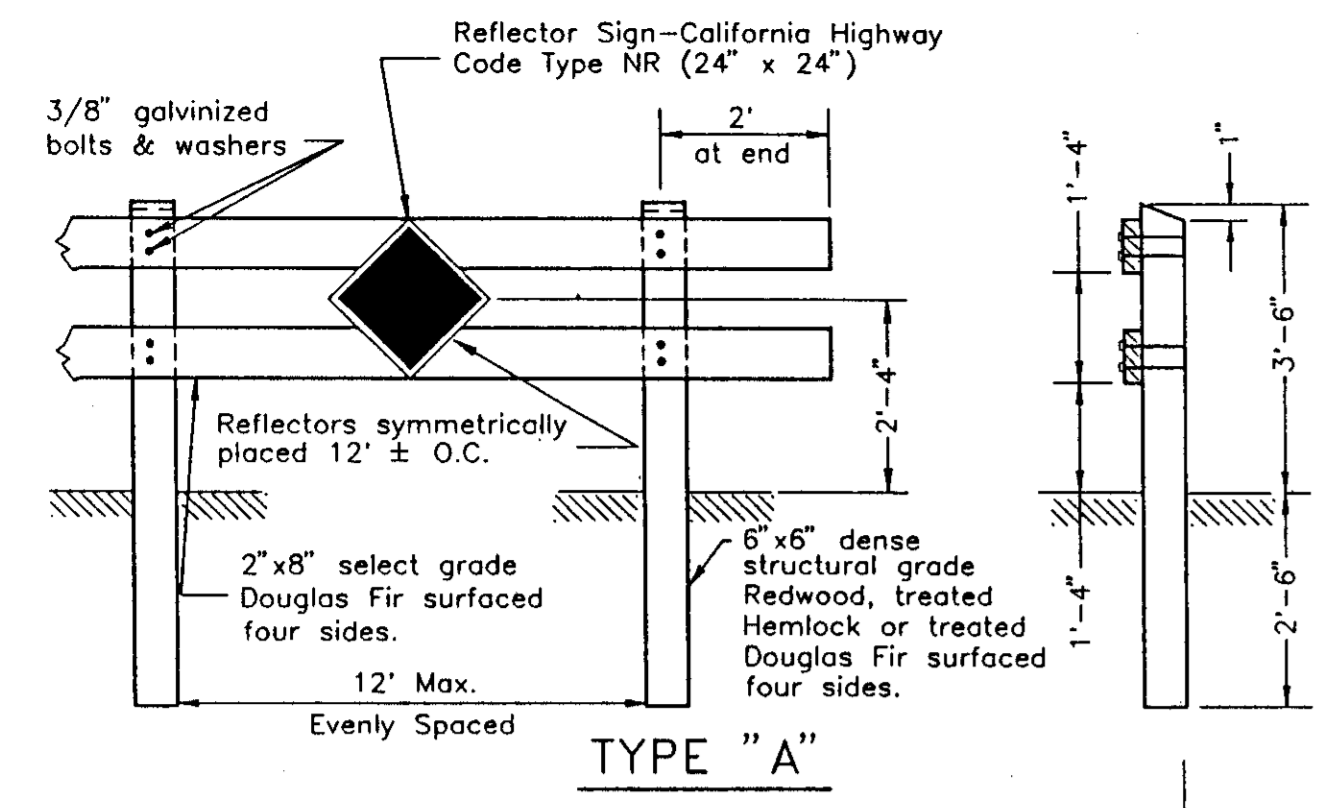
APP'D BY
REVISIONS
DATE

UNIT No. 2
MANCUSO ESTATES
DETAIL SHEET

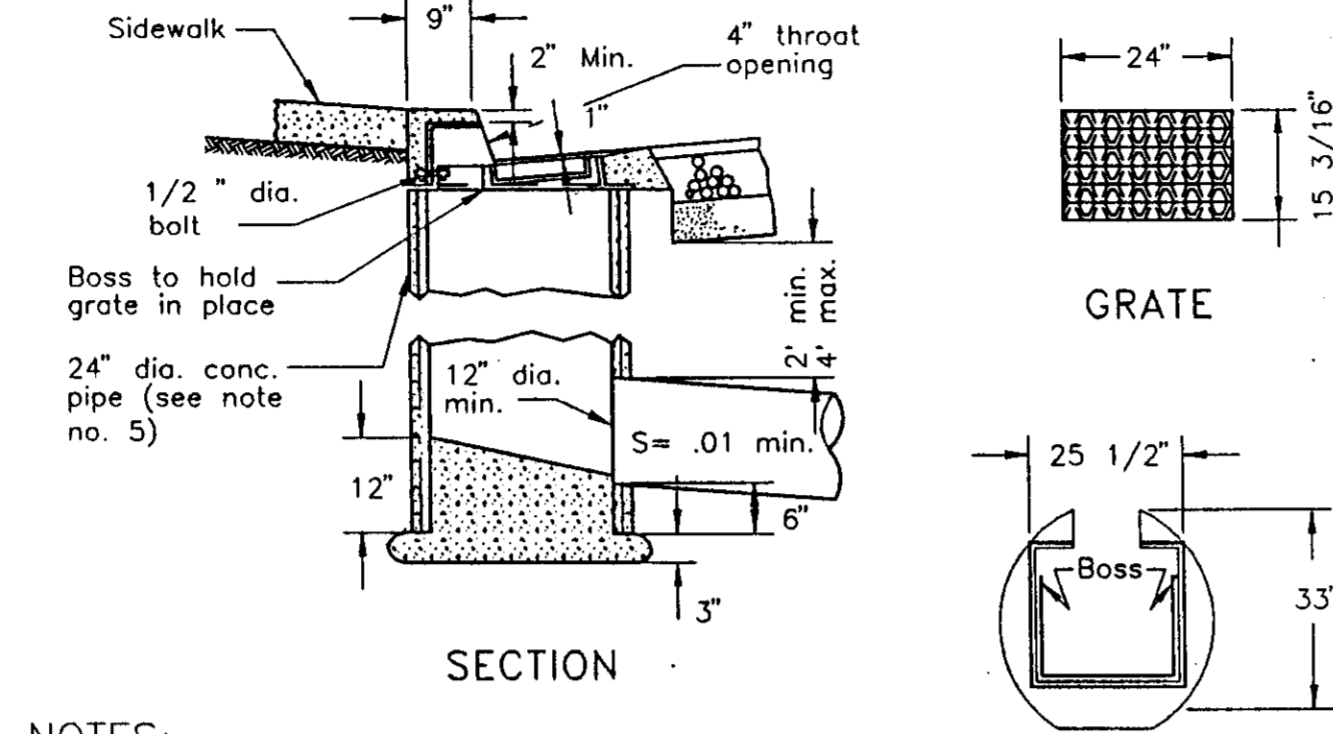
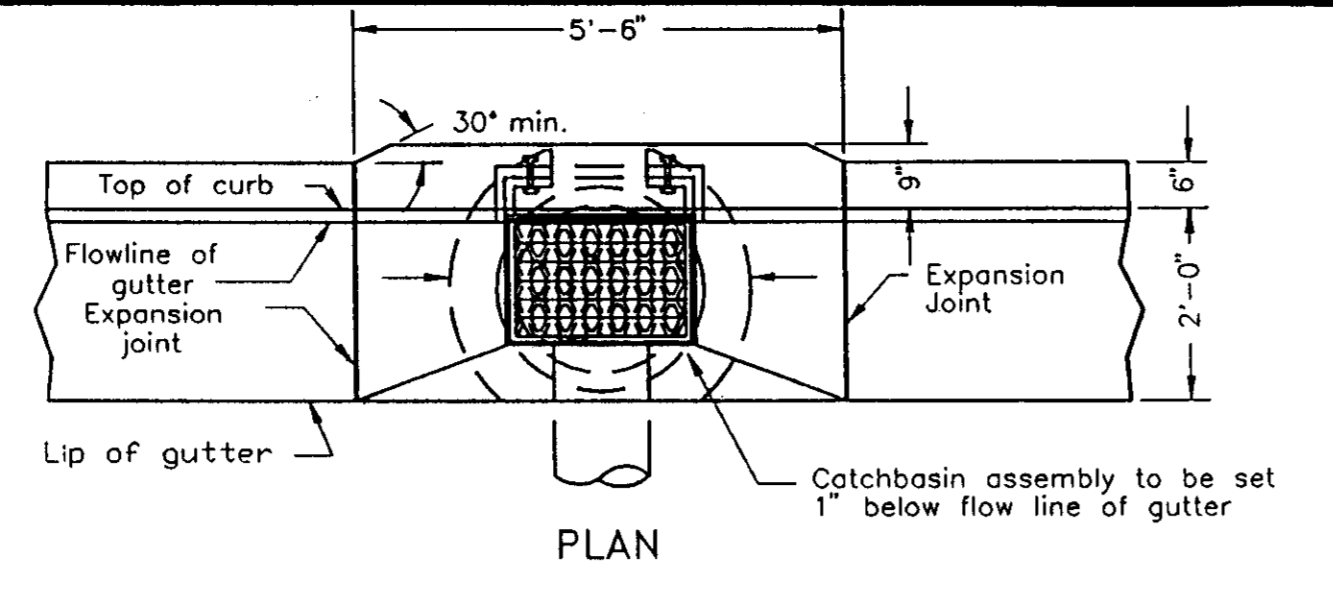
QUARTAROLI & ASSOCIATES
LAND SURVEYING LAND PLANNING
ENGINEERING
(209) 289-4908
310 SUN WEST PLACE, SUITE "A", MANTECA, CA. 95886



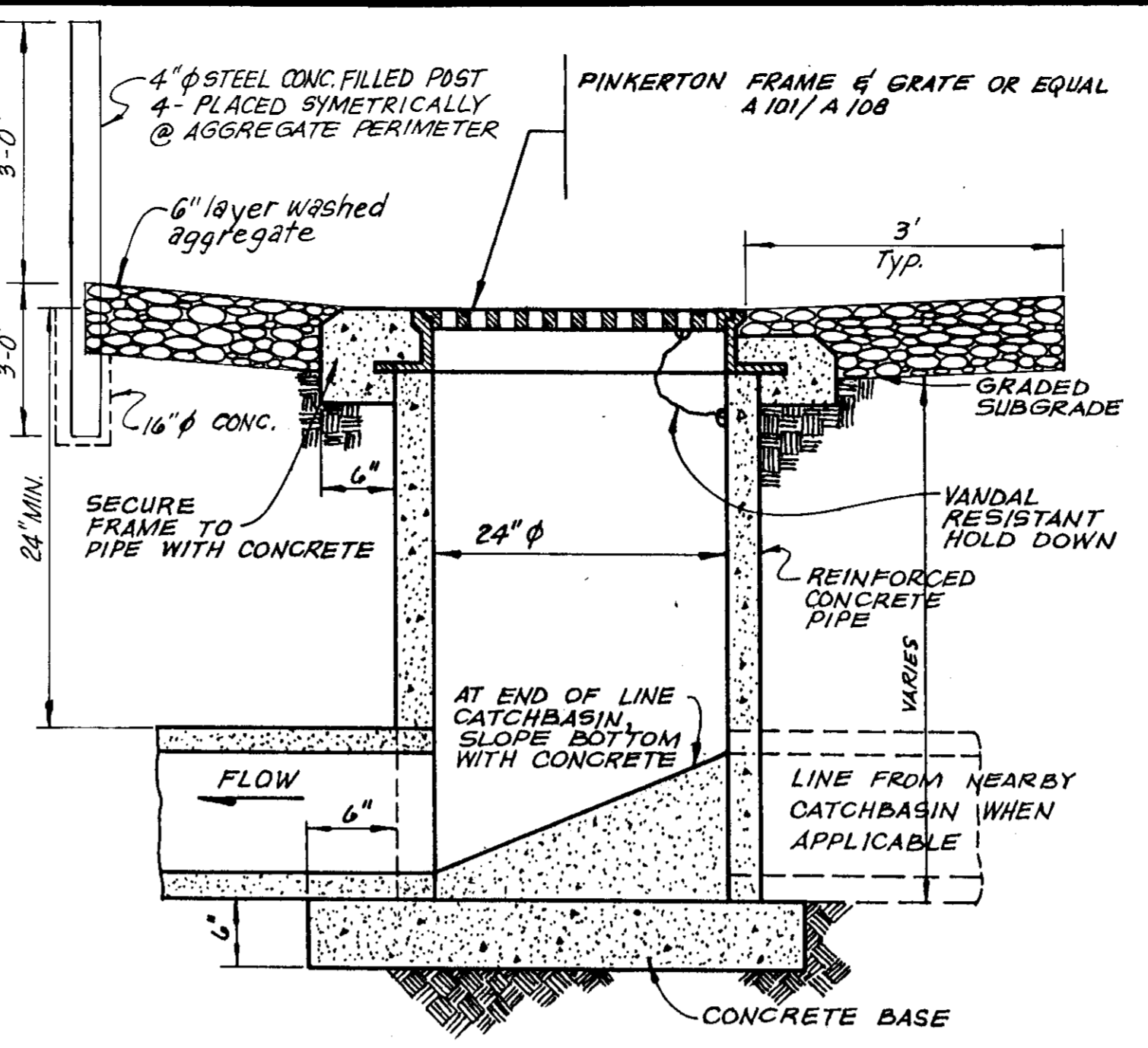
DATE SEPT. 1992
DRAWN BY: RDC
CHECKED BY: AJL
JOB NO. 5679-27B
SHEET 8 OF 8 SHEETS



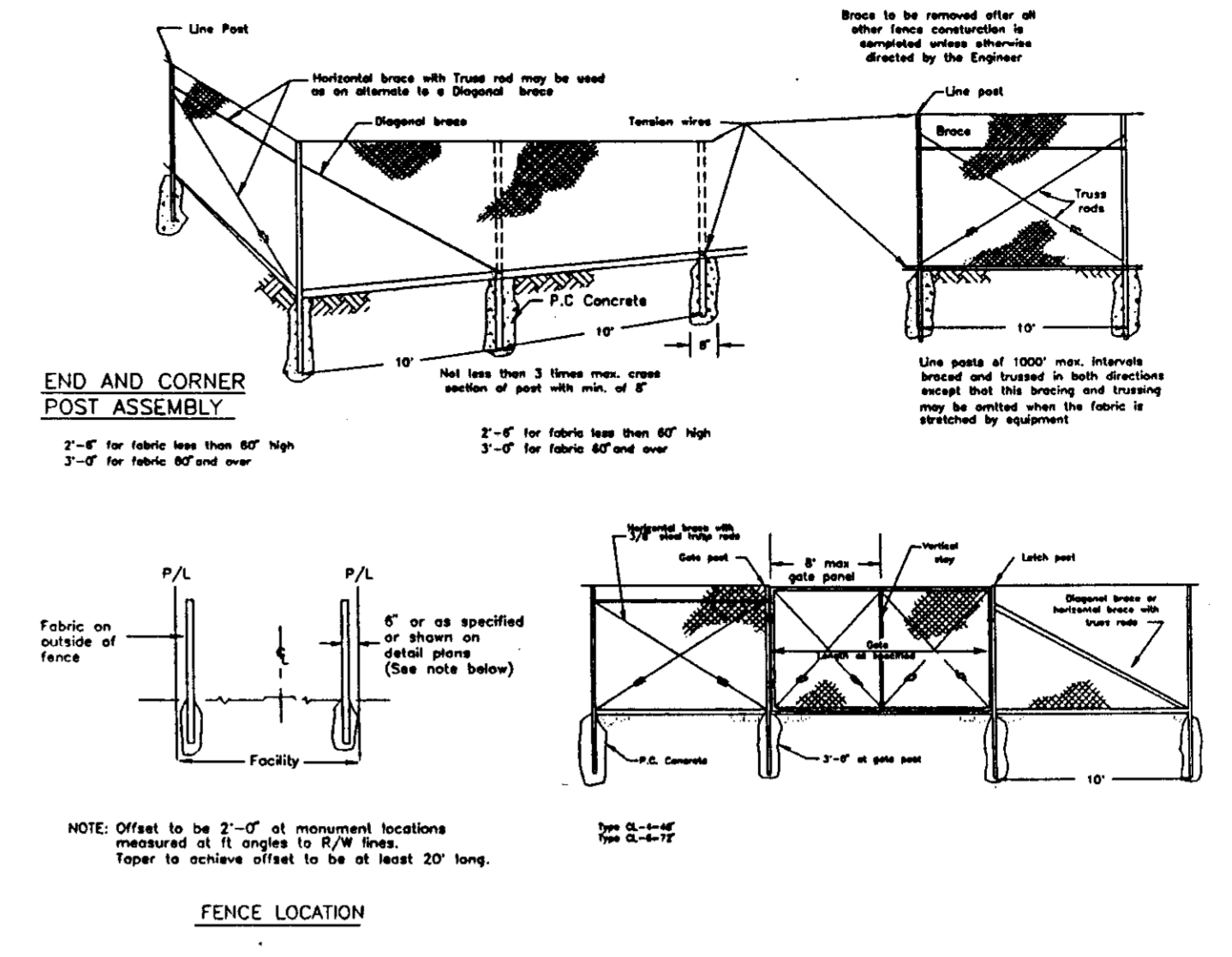
NOTES:
 1. Barricades to be as wide as street R/W
 2. Barricades to be painted white using 2 coats of "Exterior Alkyd Resin Hi-Gloss Enamel" over a compatible primer.



NOTES:
 1. All exposed steel shall be dipped with 2 coats of coal tar pitch heated to a minimum of 180° or galvanized.
 2. Grate, frame and side inlet shall conform to South Bay Foundry A-643 frame with either A-390 riveted or A-390-M fabricated steel grate.
 3. Grate shall be chained to frame.
 4. Grate shall be depressed 1" below gutter profile grade.
 5. 24" pipe barrel shall be class II R.C.P., or class 2 or 3 non-reinforced concrete pipe.



3 **DETAIL: CATCHBASIN**
NO SCALE

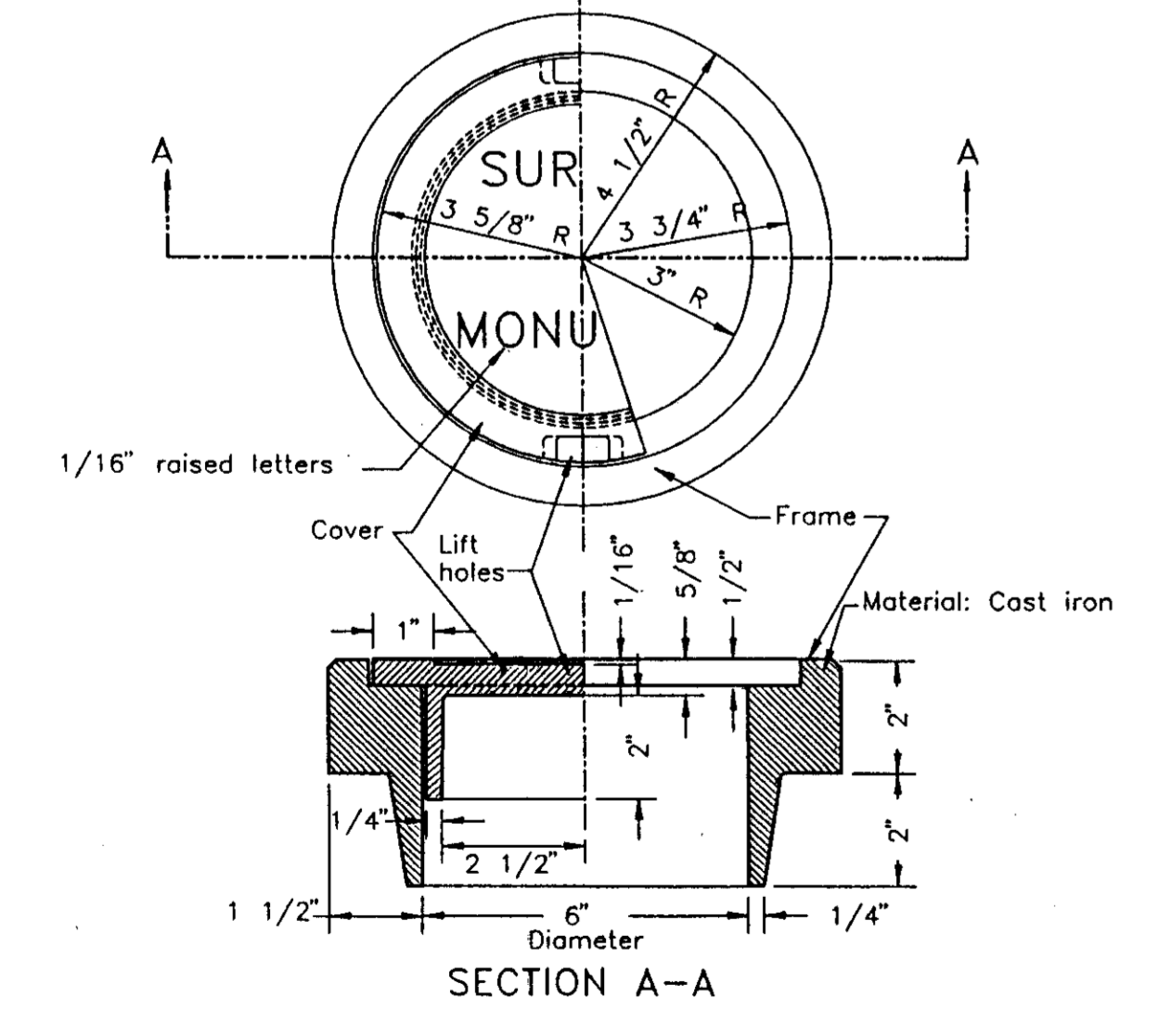
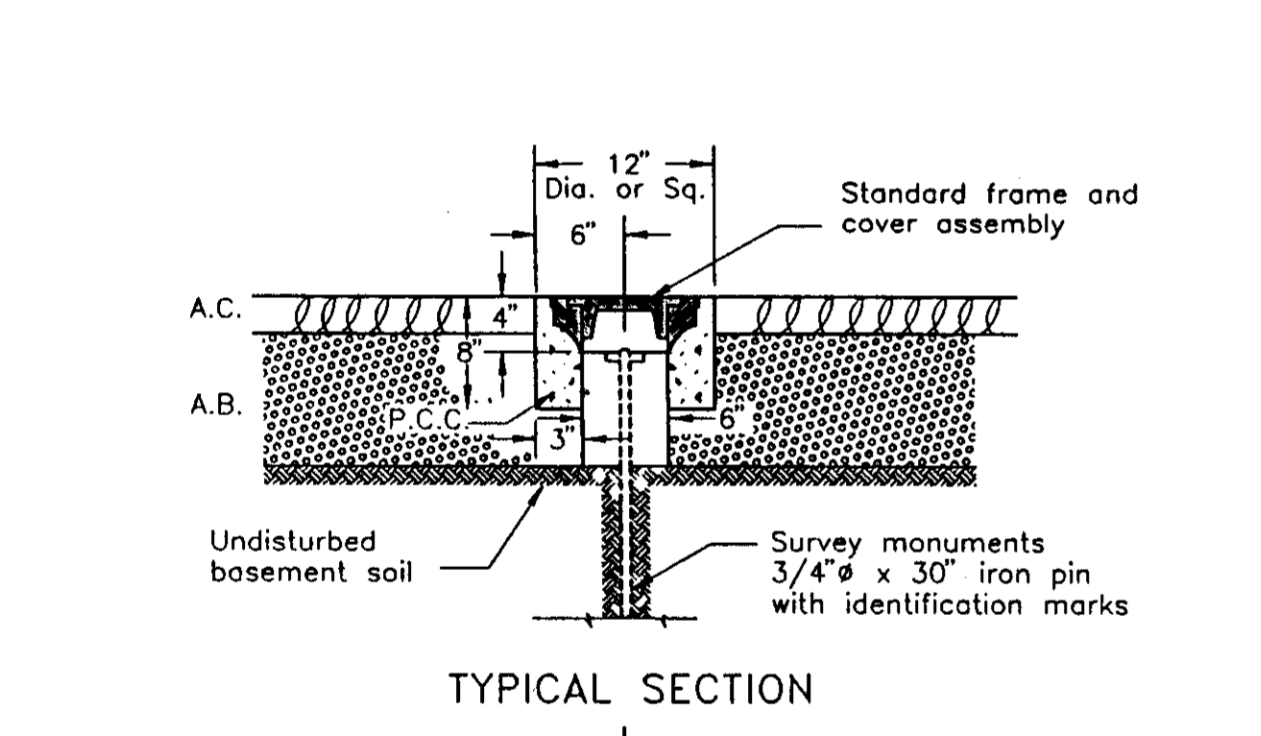


TYPICAL MEMBER DIMENSIONS (See Notes)

Fence Height	Line Posts	End Posts	Gate Posts	Weight per Foot
4'-0"	2 1/2" x 2 1/2"	4" x 4"	4" x 4"	4.95
6'-0"	3" x 3"	4" x 4"	4" x 4"	10.75
8'-0"	3 1/2" x 3 1/2"	4" x 4"	4" x 4"	14.82
10'-0"	4" x 4"	4" x 4"	4" x 4"	18.87
12'-0"	4" x 4"	4" x 4"	4" x 4"	23.55

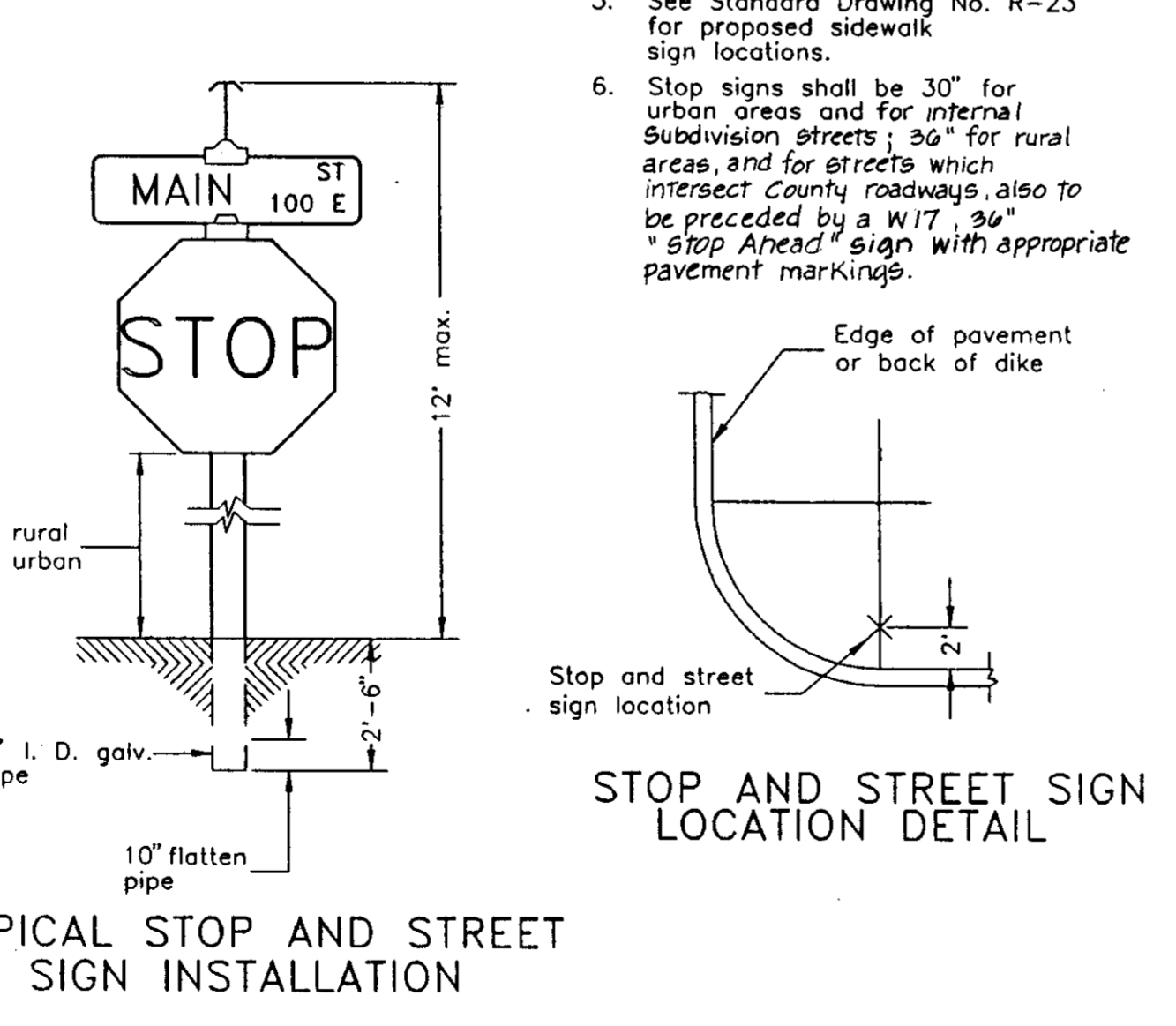
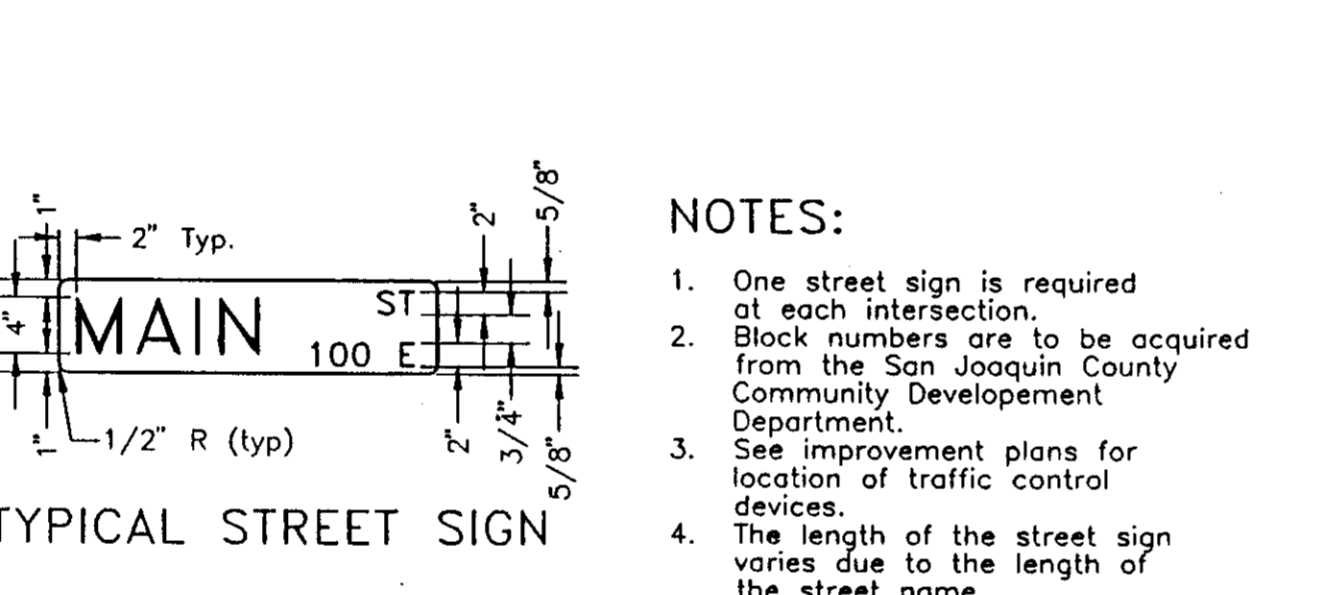
4 **CHAIN LINK FENCE DETAIL**

1 **BARRICADES FOR TERMINATING STREETS DETAIL**



5 **SURVEY MONUMENT AND FRAME AND COVER ASSEMBLY DETAIL**

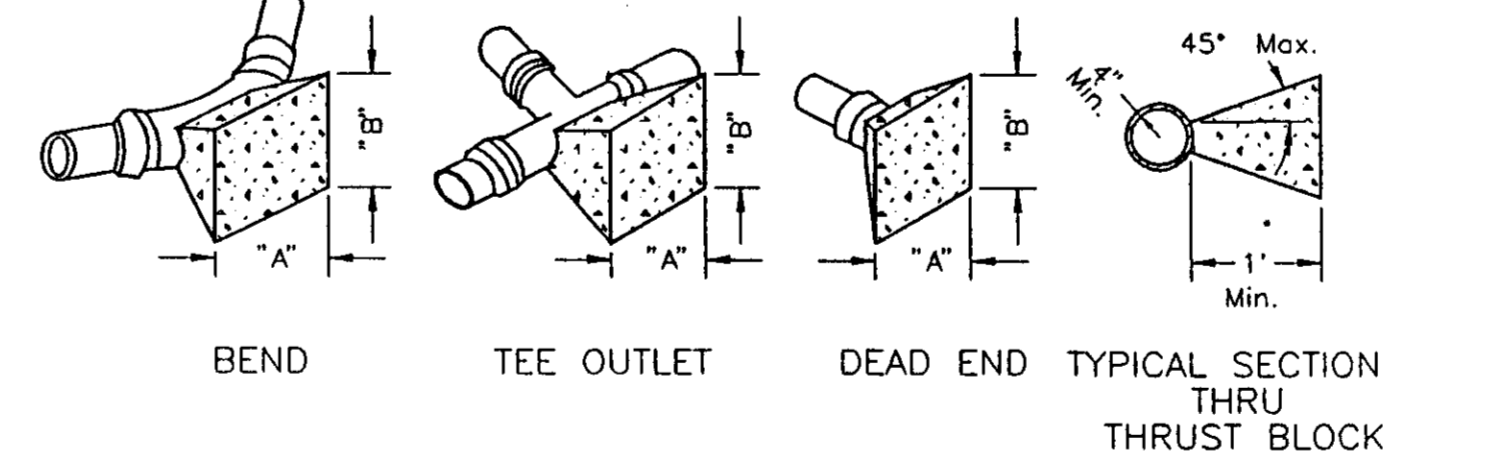
2 **TYPE I CURB INLET CATCHBASIN DETAIL**



6 **STANDARD STREET SIGN DETAIL**

RECORD DRAWING
 12-18-95

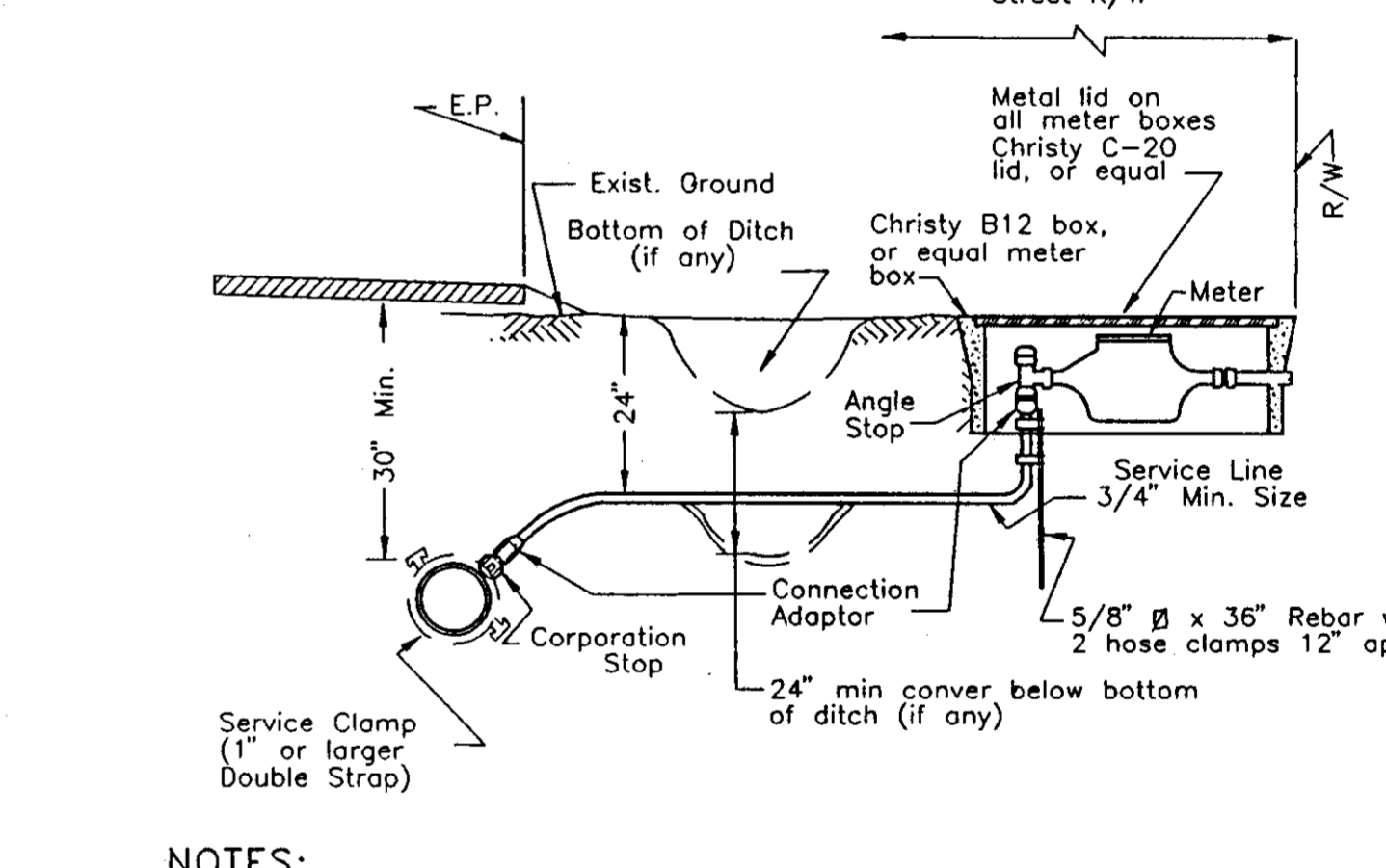
NOTES:
 1. One street sign is required at each intersection.
 2. Block numbers are to be acquired from the San Joaquin County Community Development Department.
 3. See improvement plans for location of traffic control devices.
 4. The length of the street sign varies due to the length of the street name.
 5. See Standard Drawing No. R-23 for proposed sidewalk sign locations.
 6. Stop signs shall be 30" for urban areas and for internal subdivision streets; 36" for rural areas, and for streets which intersect County roadways, also to be preceded by a W17, 36" "Stop Ahead" sign with appropriate pavement markings.



THRUST BLOCK DIMENSIONS

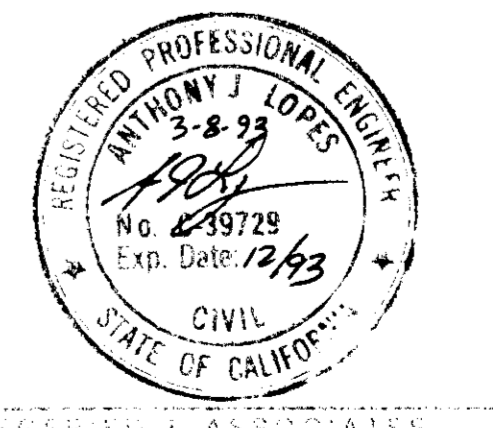
FITTINGS	"A"	"B"	FITTINGS	"A"	"B"
6" LINE			10" LINE		
22 1/2	1'-6"	1'-6"	3'-0"	3'-0"	2'-0"
45	2'-0"	2'-0"	4'-0"	4'-0"	3'-0"
90	3'-0"	2'-6"	5'-6"	4'-0"	4'-0"
TEE OUTLET	3'-0"	2'-0"	4'-0"	4'-0"	4'-0"
DEAD END	3'-0"	2'-0"	4'-0"	4'-0"	4'-0"
8" LINE			12" LINE		
22 1/2	2'-0"	2'-0"	3'-0"	3'-0"	3'-0"
45	3'-0"	2'-6"	4'-6"	4'-0"	4'-0"
90	4'-0"	3'-6"	6'-0"	4'-0"	4'-0"
TEE OUTLET	3'-6"	3'-0"	5'-6"	4'-0"	4'-0"
DEAD END	3'-6"	3'-0"	5'-6"	4'-0"	4'-0"

8 **THRUST BLOCK DETAILS**



NOTES:
 1. Service line material shall be type k copper, polyethylene or polybutylene plastic.
 2. Plastic pipe up to 1 1/4" I.D. service shall be ultra high molecular weight (UHMW) Polyethylene as manufactured by Driscopipe, Orangeburg or approved equal with minimum pressure rating of 160 psi.
 3. Plastic pipe for 2" I.D. service shall be PB 2110 Polybutylene or approved equal with minimum pressure rating of 160 psi.
 4. Corporation stop shall have corporation cock threads.
 5. Angle stop shall have swivel nut and lock wings.
 6. Angle stop shall be vertically plumbed.
 7. Size of service line shall be as required by the County.
 8. Mueller insta-tite fittings shall conform to ASTM designation D 2239.
 9. Meter shall be Sensus Meter measurable in gallons, with attachment connector spuds.
 10. Lockable corporation cock will precede the meter and entire setup will be in the confines of the water box.
 11. Non metallic services shall have a No. 10 gauge solid, bare, soft drawn copper wire laid along the service line, and accessible in the meter box.

9 **WATER SERVICE DETAIL**



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

APP'D BY: _____
 REVISIONS: _____
 DATE: _____

UNIT NO. 2
MANCUSO ESTATES
DETAIL SHEET

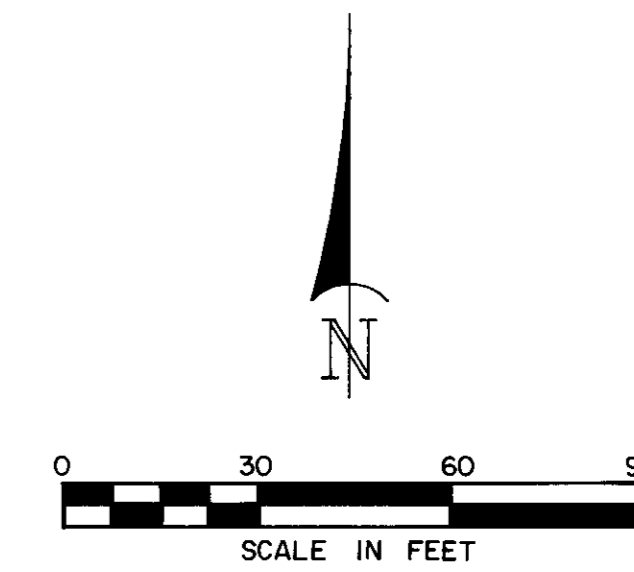
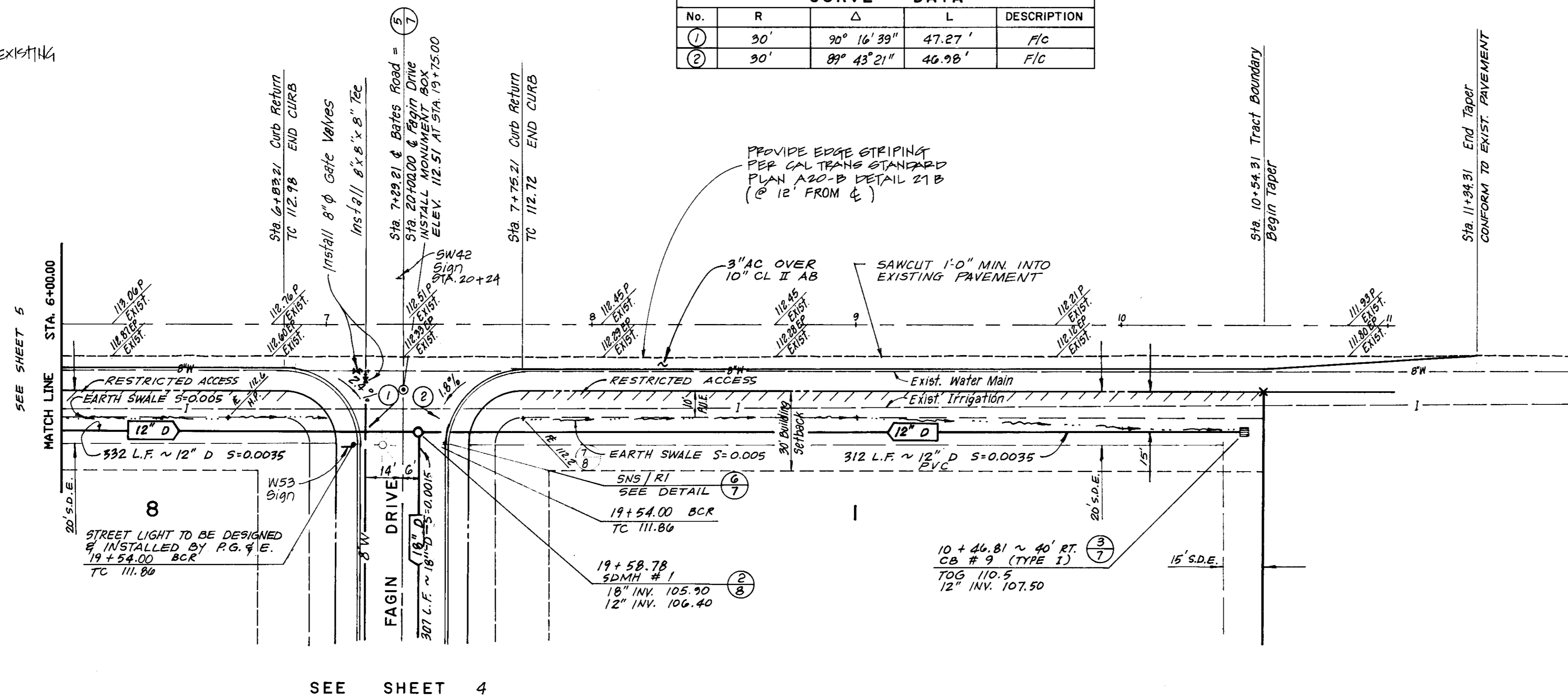
QUARTAROLI & ASSOCIATES
LAND SURVEYING & LAND PLANNING ENGINEERING
 (209) • 839 • 4908
 810 SUN WEST PLACE, SUITE "A", MANTECA, CA. 95886

DATE: SEPT. 1992
 DRAWN BY: R.D.C.
 CHECKED BY: A.J.L.
 JOB NO. 92-24
 SHEET 7 OF 8 SHEETS

SU27103

NOTE
SEE SHEET NO. 2 FOR LOCATIONS OF EXISTING MAIL BOXES TO BE RELOCATED.

CURVE DATA				
No.	R	Δ	L	DESCRIPTION
1	30'	90° 16' 39"	47.27'	P/C
2	30'	89° 43' 21"	46.98'	F/C

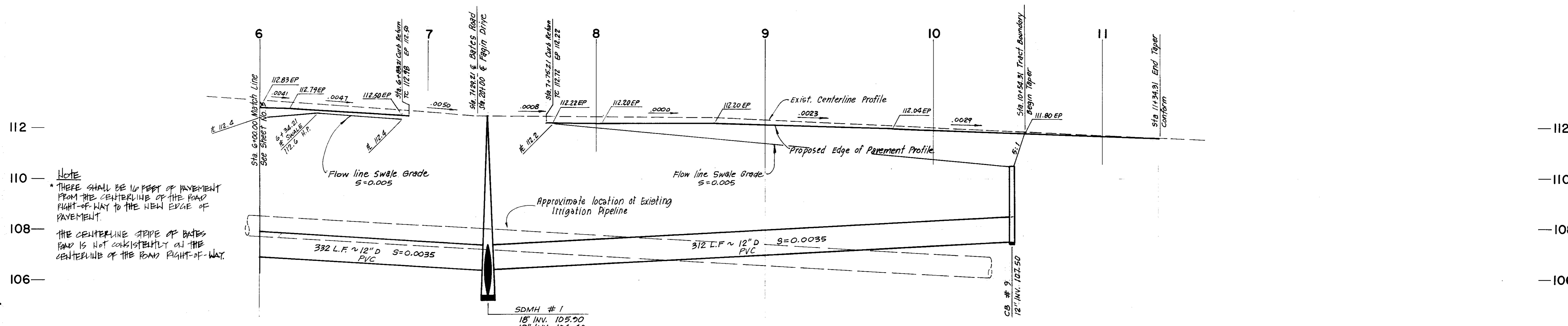


UNIT NO. 2
MANCUSO ESTATES
BATES ROAD PLAN & PROFILE

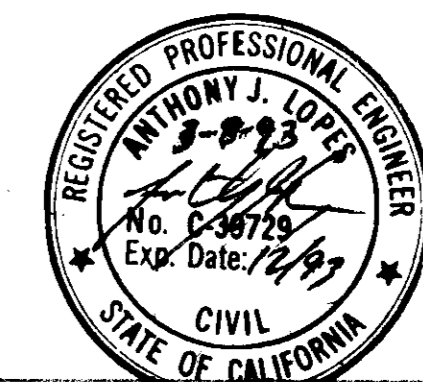
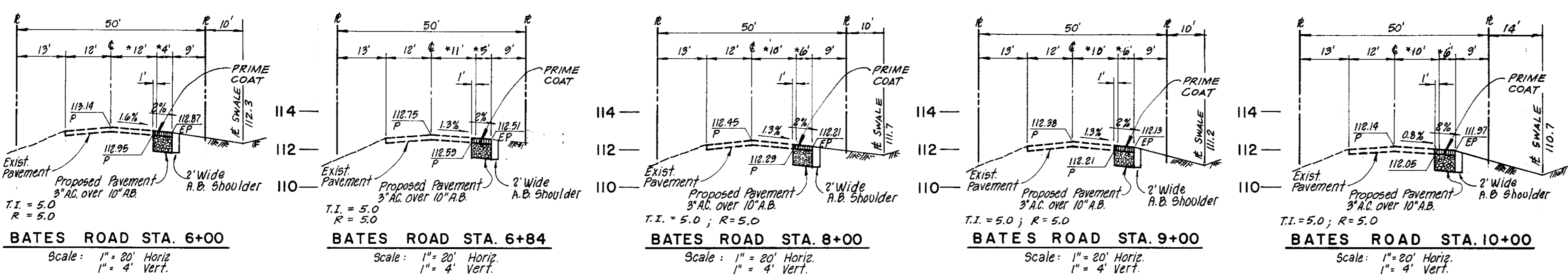
BATES ROAD

SCALE: 1" = 30'

DESIGN DRAWING
MLR
12.18.75



NOTE
THERE SHALL BE 10 FEET OF PAVEMENT FROM THE CENTERLINE OF THE ROAD RIGHT-OF-WAY TO THE NEW EDGE OF PAVEMENT.
THE CENTERLINE STRIPE OF BATES ROAD IS NOT CONSISTENTLY AT THE CENTERLINE OF THE ROAD RIGHT-OF-WAY.

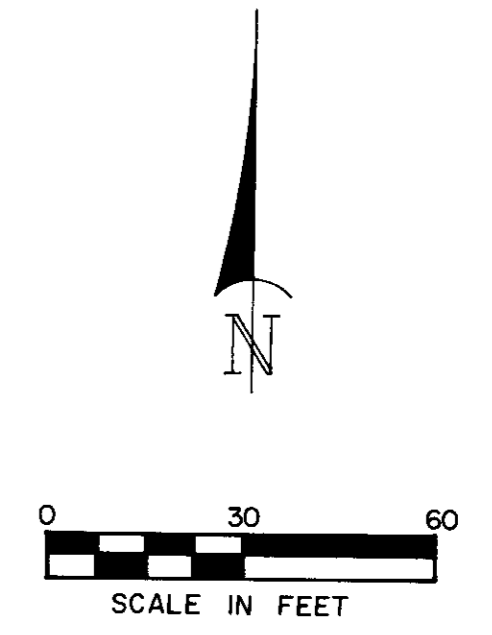
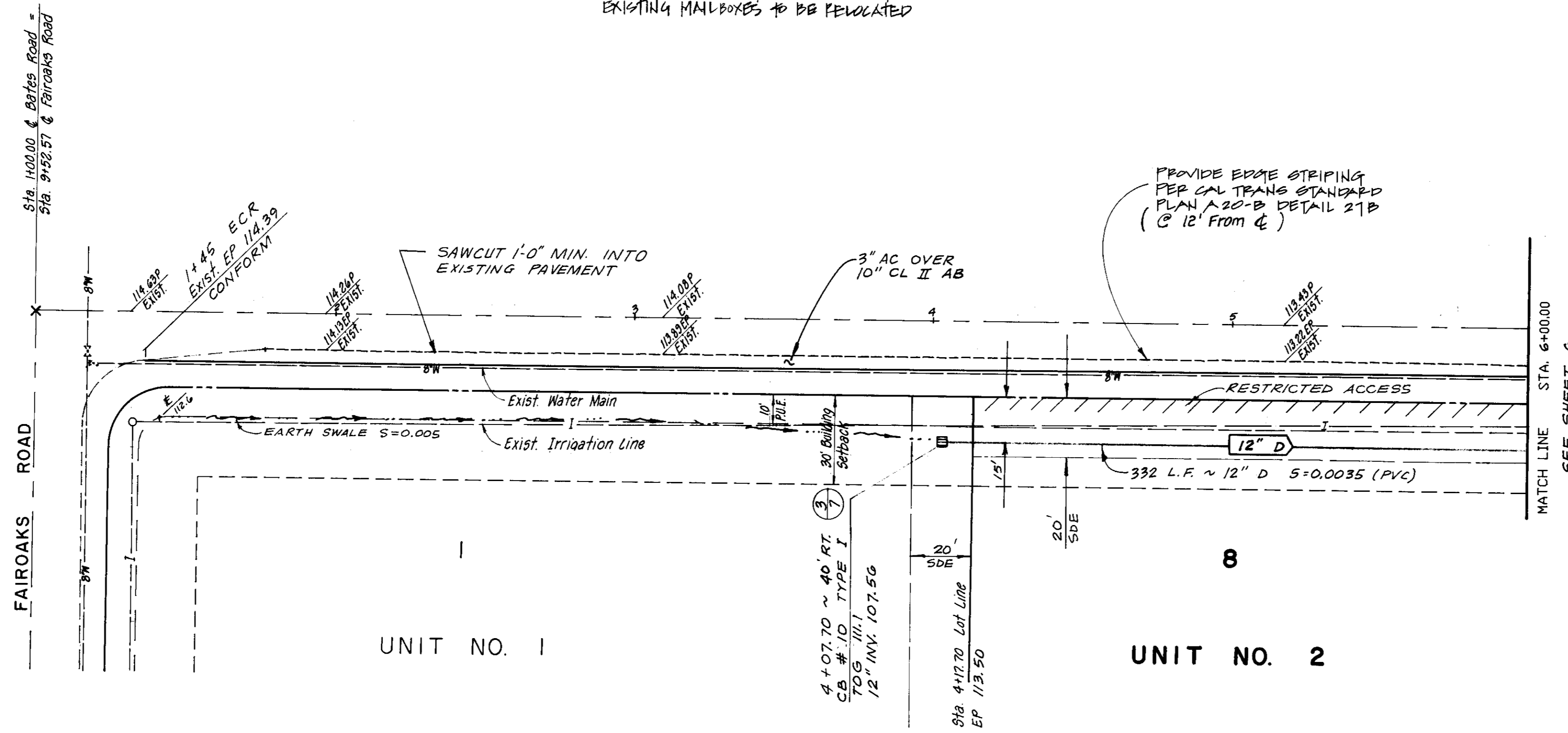


R. W. SIEGFRIED & ASSOCIATES ENGINEERS
4045 CORONADO AVENUE STOCKTON, CALIFORNIA
STAFF: AJL 5479.27B SEPT. 1992
G-4230

R.S.C./S.R.B.
A.J.L.
5679-27B
92-94
6
G-4230

SU2704

NOTE
SEE SHEET No. 2 FOR LOCATIONS OF
EXISTING MAILBOXES TO BE RELOCATED



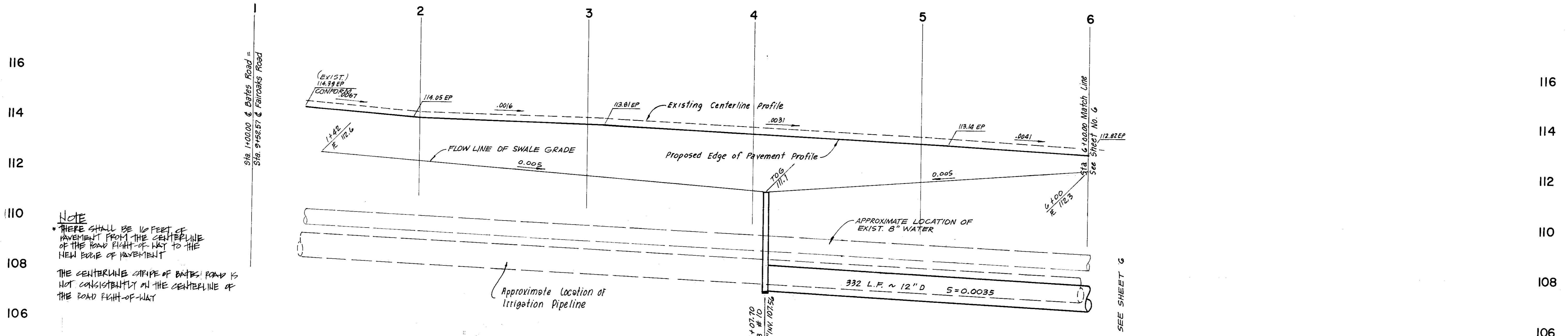
UNIT NO. 2
MANCUSO ESTATES
BATES ROAD PLAN & PROFILE

BATES ROAD

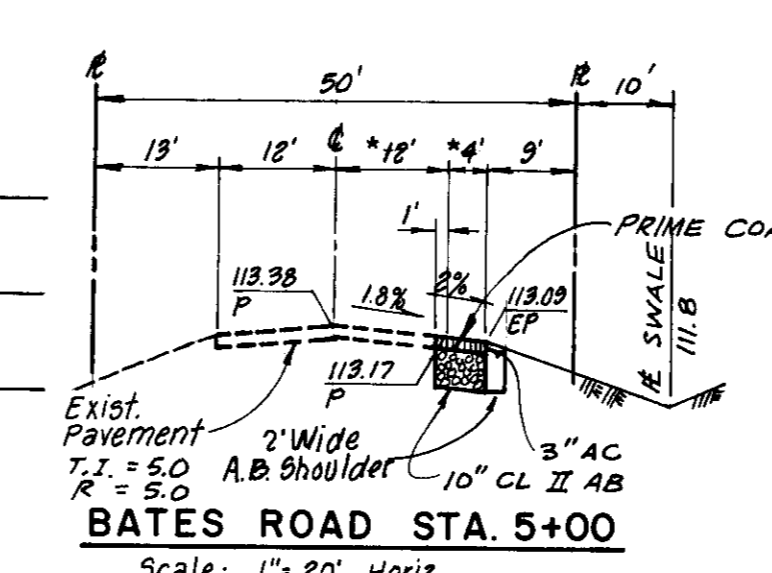
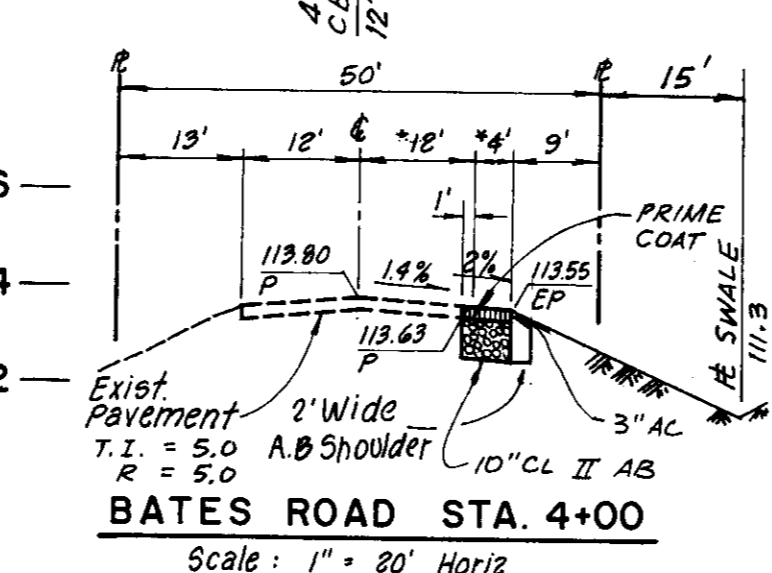
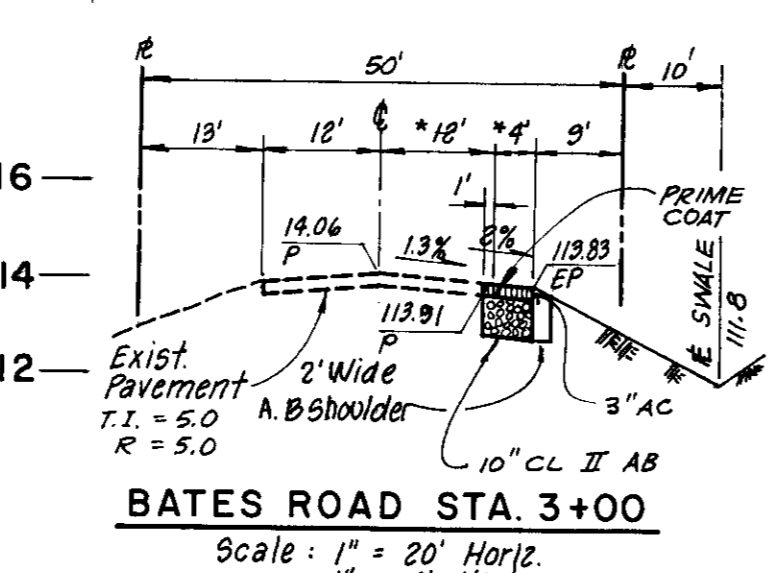
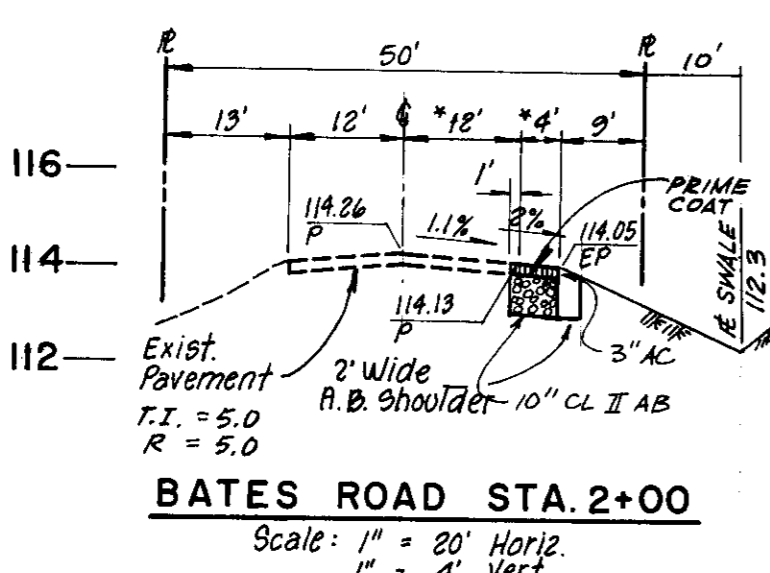
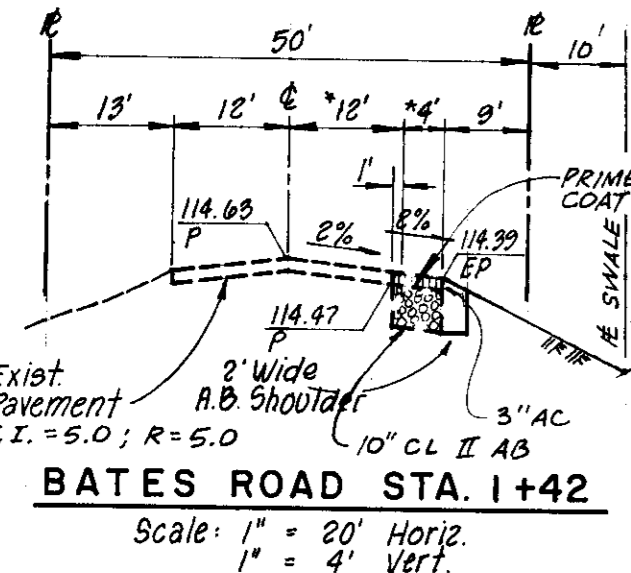
SCALE: 1"=30'

RECORD DRAWING

12.18.95



NOTE
THERE SHALL BE 10 FEET OF PAVEMENT FROM THE CENTERLINE OF THE ROAD RIGHT-OF-WAY TO THE NEW EDGE OF PAVEMENT
THE CENTERLINE GRADE OF BATES ROAD IS NOT CONSISTENTLY ON THE CENTERLINE OF THE ROAD RIGHT-OF-WAY

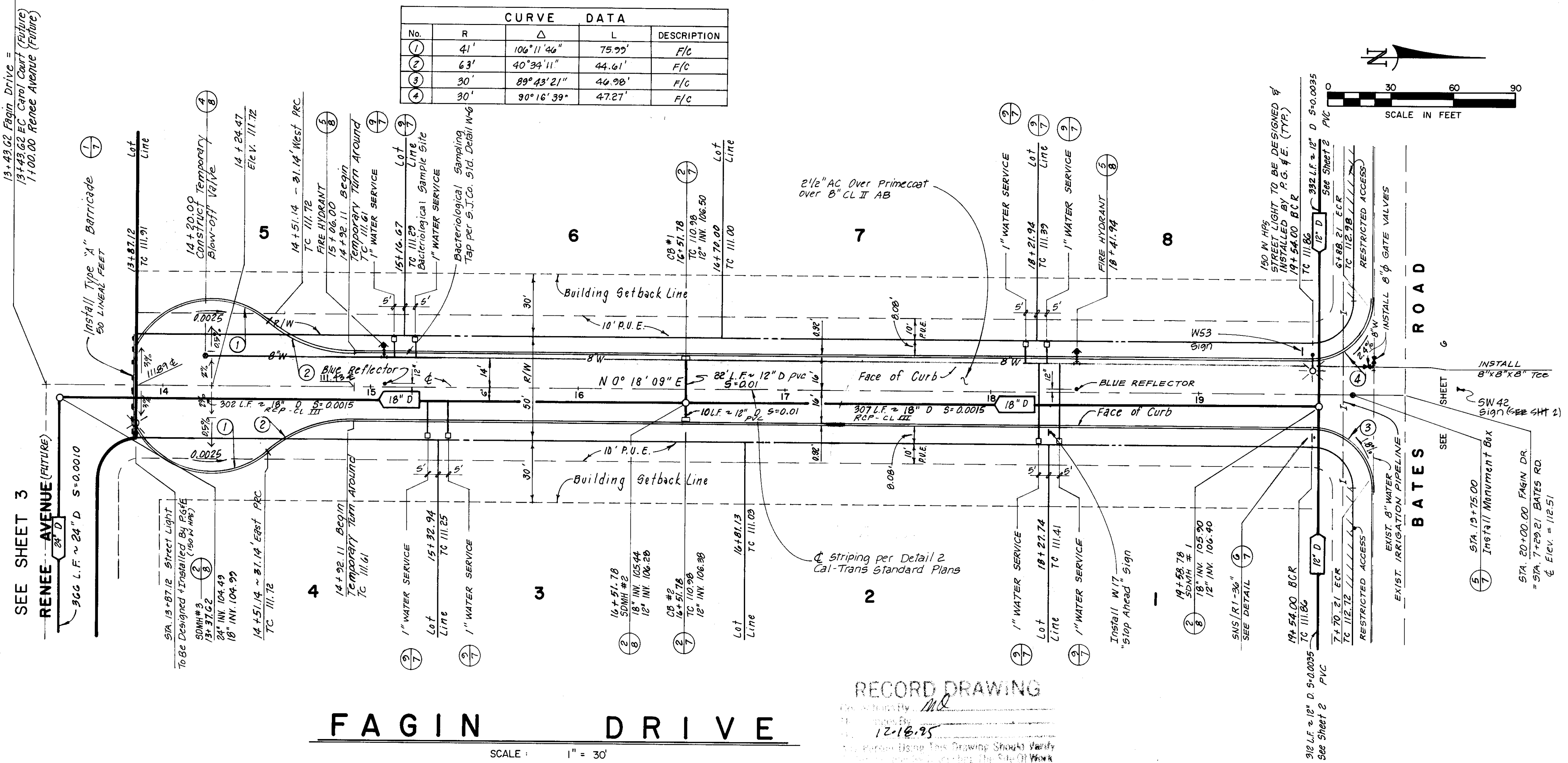


STAFF	AJL	5679-27B	SEPT. 1992
STAFF	AJL		G-4230

R.S./S.R.B.
A.J.L.
5679-27B
92-94

Sub 2700

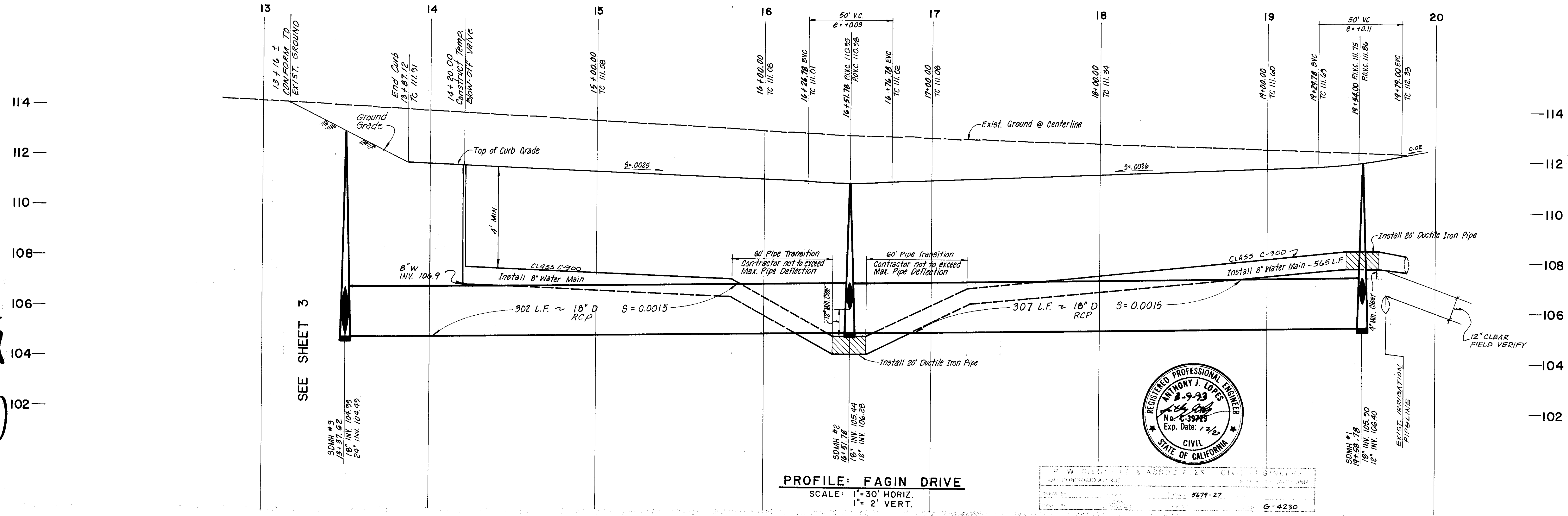
No.	R	Δ	L	DESCRIPTION
1	41'	106°11'46"	75.99'	F/C
2	63'	40°34'11"	44.61'	F/C
3	30'	89°43'21"	46.98'	F/C
4	30'	90°16'39"	47.27'	F/C



FAGIN DRIVE

SCALE: 1" = 30'

RECORD DRAWING
 12-16-95
 See Detail 2
 Cal-Trans Standard Plans



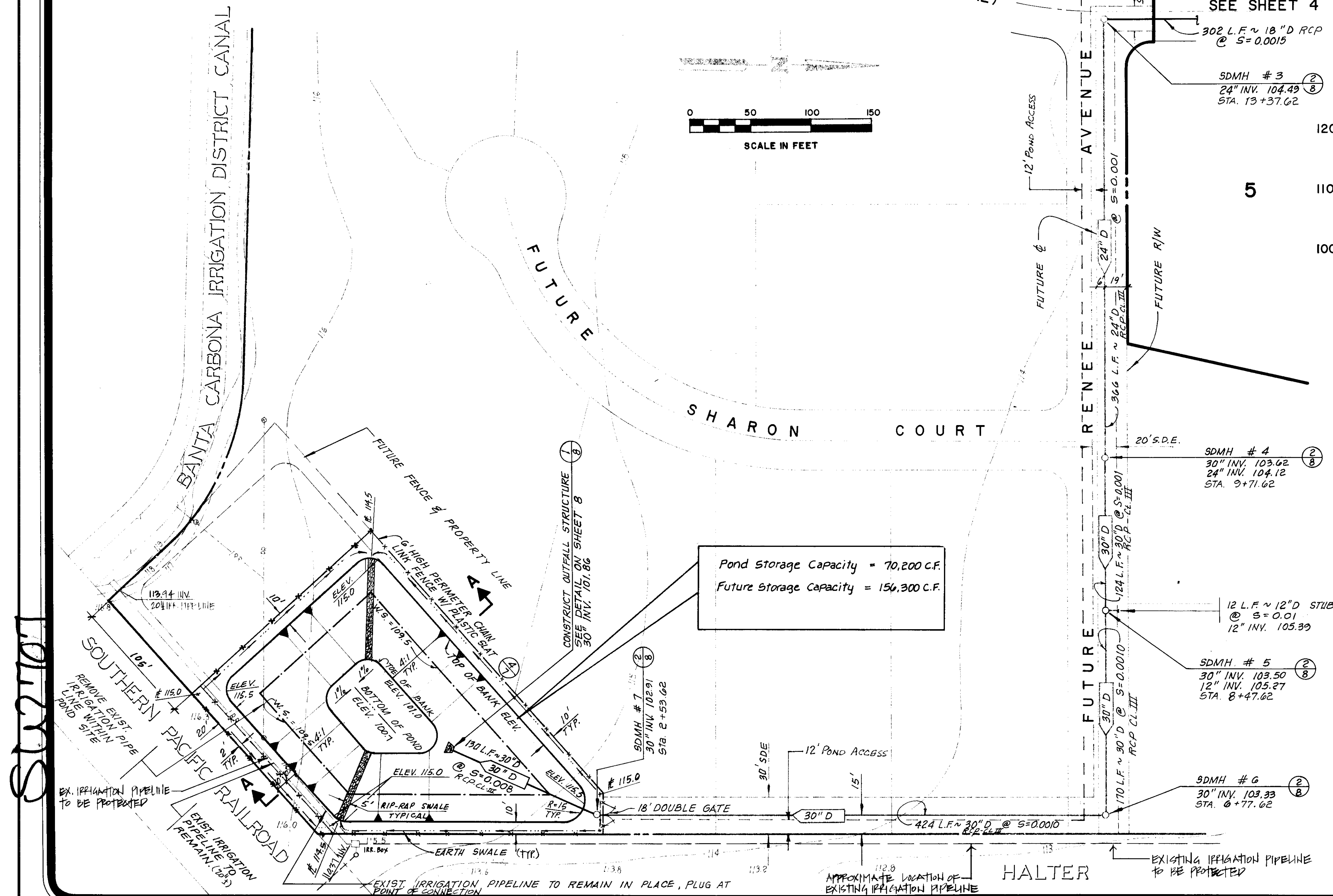
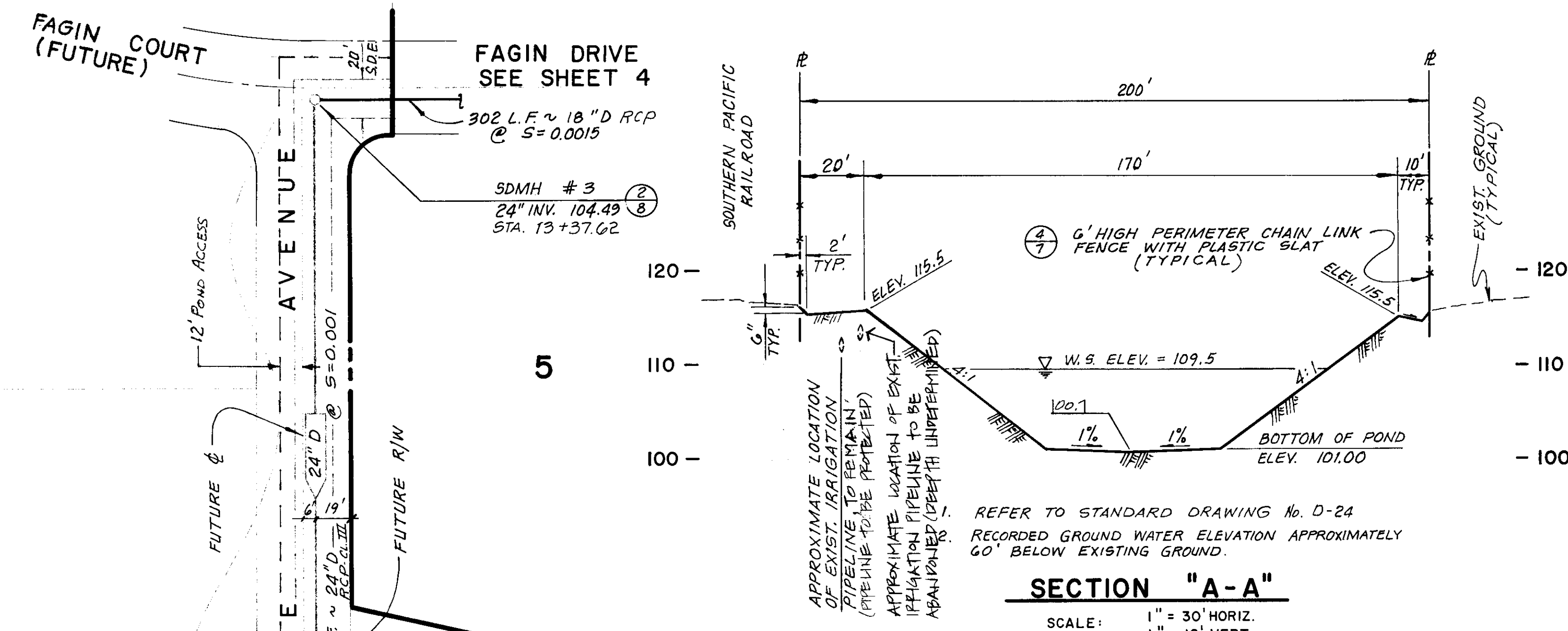
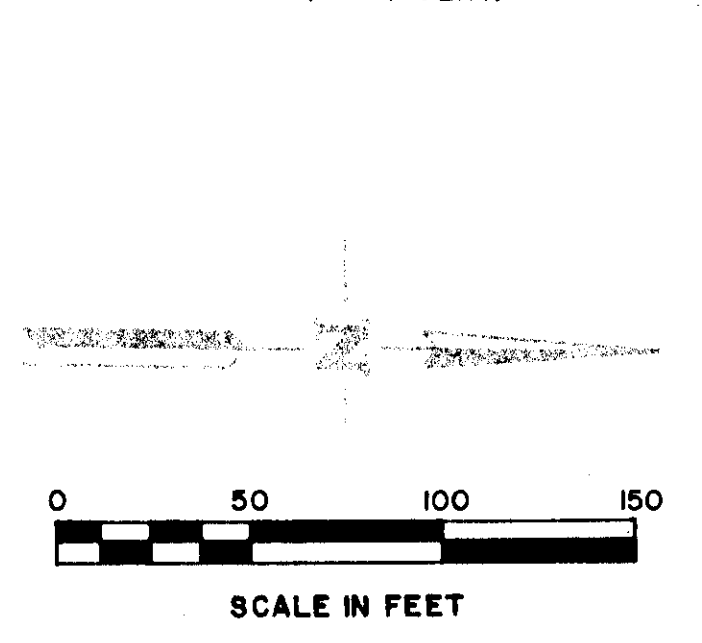
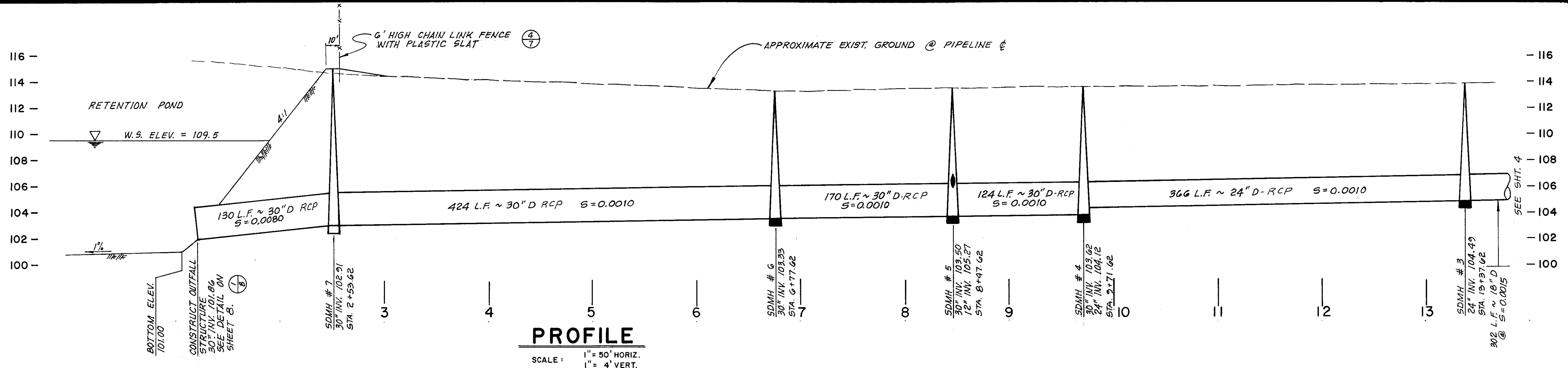
PROFILE: FAGIN DRIVE
 SCALE: 1" = 30' HORIZ.
 1" = 2' VERT.



P. W. SLOAN & ASSOCIATES, CIVIL ENGINEERS
 104 CONRADO AVENUE
 SUITE 200
 SAN ANTONIO, TEXAS 78204
 512-341-2777
 5477-27
 G-4230

UNIT NO. 2
 MANCUSO ESTATES
 FAGIN DRIVE PLAN & PROFILE

R.S.C./S.R.B.
 A.J.L.
 5679-27.B
 12-94



RECORD DRAWING
12-18-95



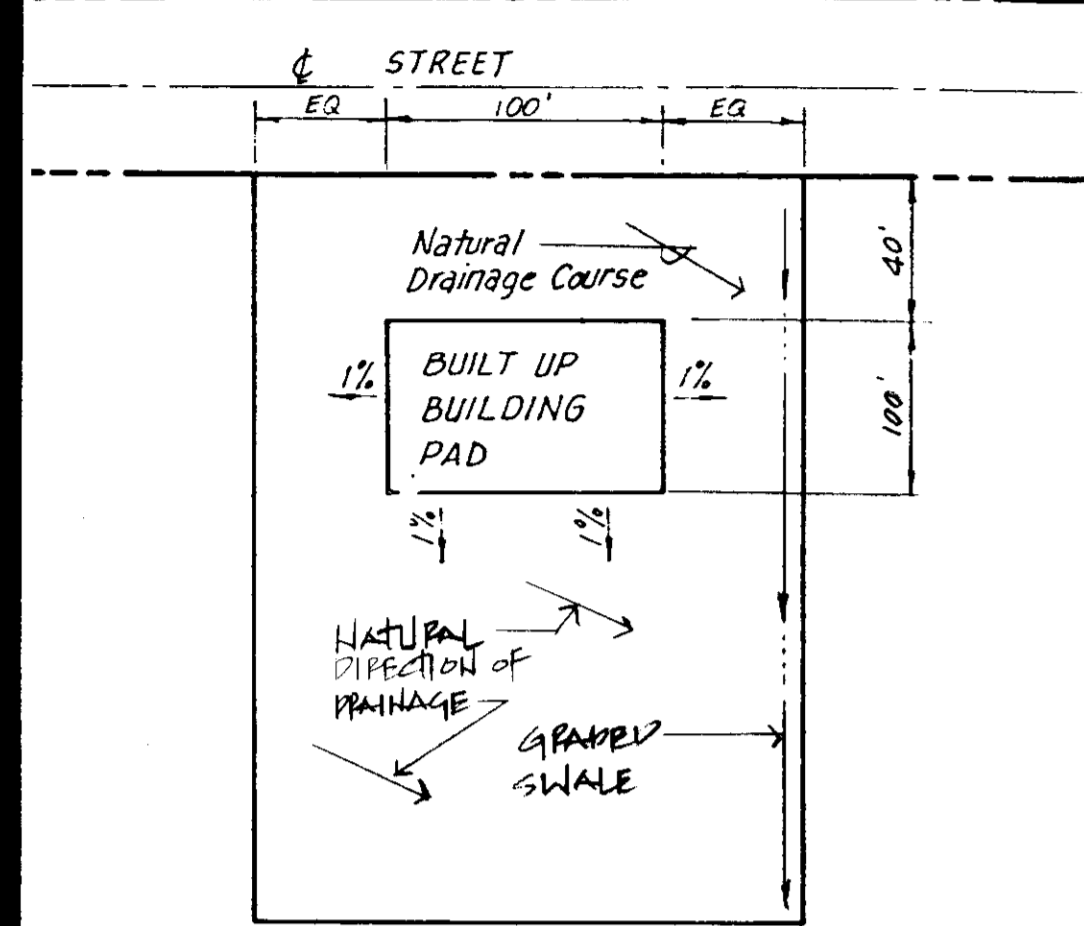
R. W. SIEGHEM & ASSOCIATES CIVIL ENGINEERS			
RDC	AJL	5679-278	SEPT. 1992
RDC	AJL		G-4230

DATE	REVISIONS	BY	APP'D

IMPROVEMENT PLANS FOR TRACT NO. 2402
UNIT No. 2
MANCUSO ESTATES
SAN JOAQUIN COUNTY, CALIFORNIA

QUARTAROLI & ASSOCIATES
LAND SURVEYING
LAND PLANNING
ENGINEERING
(209) 889-4908
810 SUN WEST PLACE, SUITE "A", MANTECA, CA. 95836

DATE	SEPT. 1992
DRAWN BY	RDC
CHECKED BY	AJL
JOB NO.	92-94
SHEET	3
OF 8 SHEETS	



TYPICAL LOT GRADING (UNIT No. 1)
N.T.S.

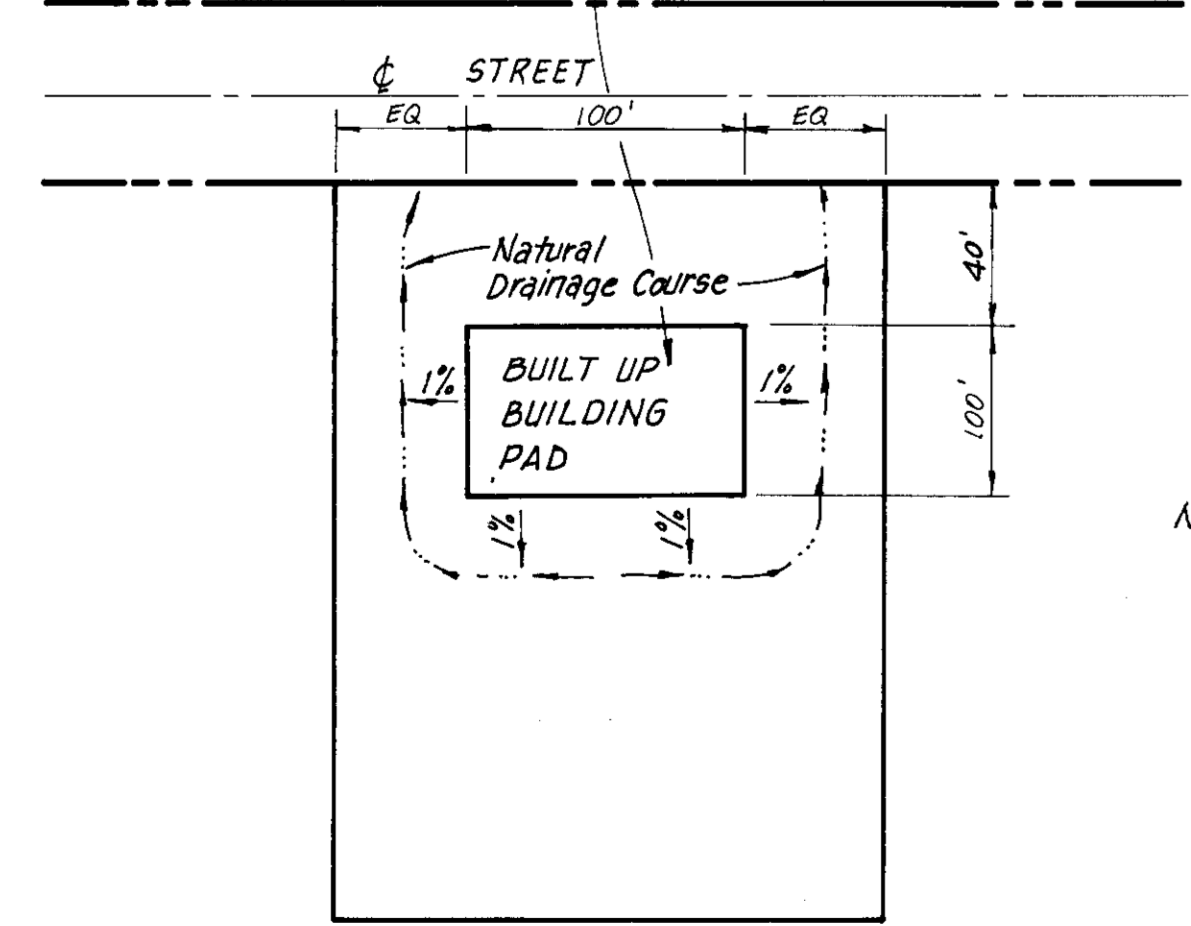
NOTE:
Existing lots shall remain ungraded except as noted on this plan. Lot areas within the vicinity of building sites shall be graded as shown on Typical Lot Grading, left.

APPROVED BY:
BUILDING INSPECTION DIVISION
(GRADING ONLY)
[Signature]
DATE: 4-13-93

RECORD DRAWING
12.18.95

DRAINAGE SWALES IN UNIT NO. 1 AND UNIT NO. 2 SHALL BE CONSTRUCTED WITH UNIT NO. 2 IMPROVEMENTS

Place 1'-0" fill (Compacted Thickness) at Building pads. Scarify and recompact existing grade to 90% compaction. Place fill in 6" layers and compact to 90% compaction.

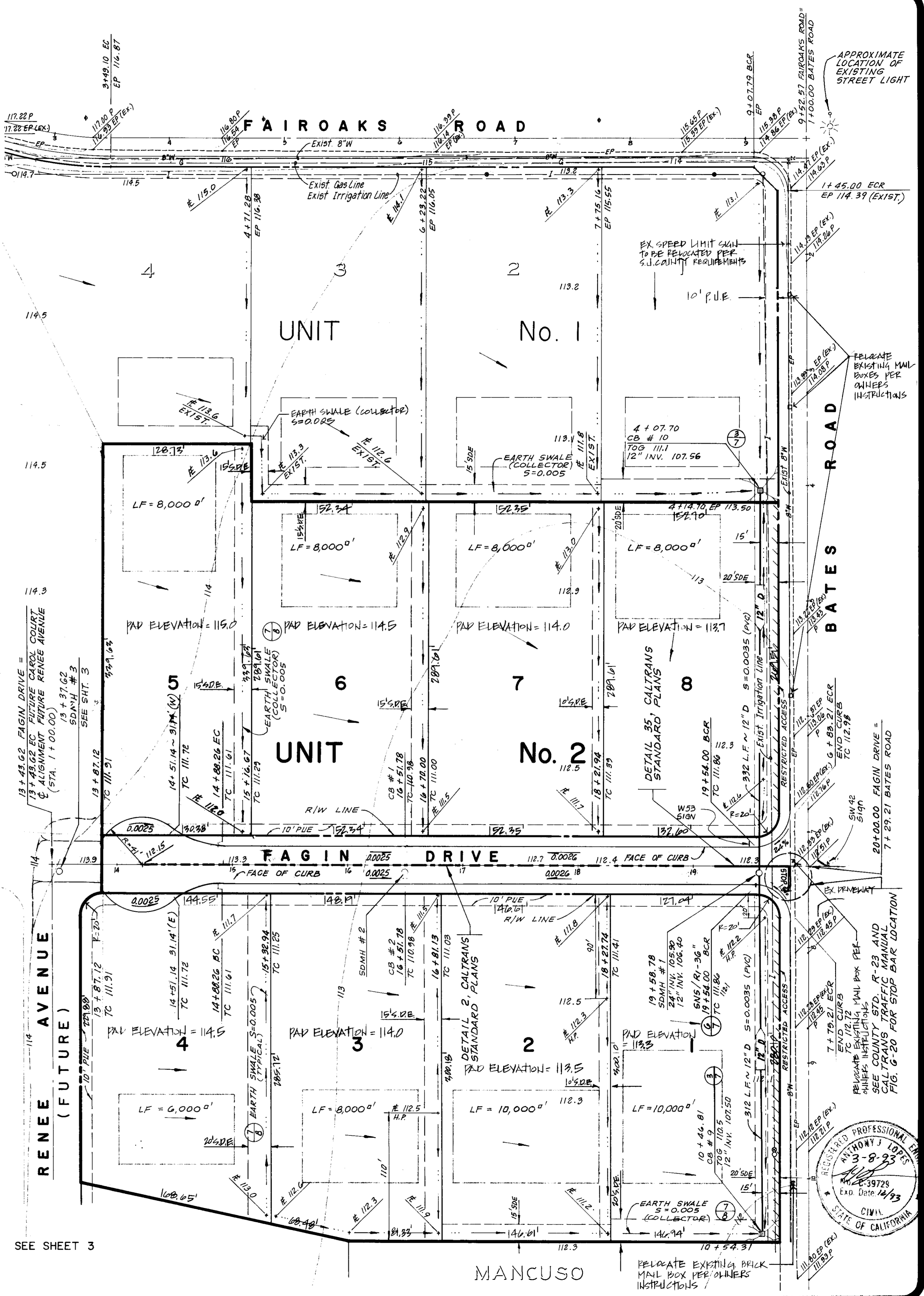


TYPICAL LOT GRADING
N.T.S.

NOTE:
IT IS THE RESPONSIBILITY OF THE INDIVIDUAL LOT OWNER TO OBTAIN A GRADING PERMIT FROM THE BUILDING INSPECTION DIVISION FOR LOT GRADING AND BUILDING PAD CONSTRUCTION. ALSO, A SPECIAL INSPECTION AGREEMENT WILL BE REQUIRED FOR PAD GRADING AND COMPACTION TESTING. THE FINISHED LOT GRADES SHALL CONFORM WITH ELEVATIONS DESIGNATED ON THE APPROVED GRADING PLAN.

NOTE:
Existing lots shall remain ungraded except as noted on this plan. Lot areas within the vicinity of building sites shall be graded as shown on Typical Lot Grading, left.

QUARTAROLI & ASSOCIATES CIVIL ENGINEERS			
RDC	AJL	5679-27B	SEPT. 1992
RDC	AJL		6-4230



SEE SHEET 3

PROFESSIONAL ENGINEER
ANTHONY J. LOPEZ
No. 39726
Exp. Date 12/93
CIVIL
STATE OF CALIFORNIA

DATE	
REVISIONS	
BY	
APP'D	

IMPROVEMENT PLANS FOR TRACT NO. 2402
UNIT No. 2
MANCUSO ESTATES
SAN JOAQUIN COUNTY, CALIFORNIA

QUARTAROLI & ASSOCIATES
LAND SURVEYING
LAND PLANNING
ENGINEERING
(209) • 289 • 4908
810 SUN WEST PLACE, SUITE "A", MANTECA, CA. 95836

DATE	SEPT. 1992
DRAWN BY	RDC
CHECKED BY	AJL
JOB NO.	92-94
SHEET	2
OF 8 SHEETS	

