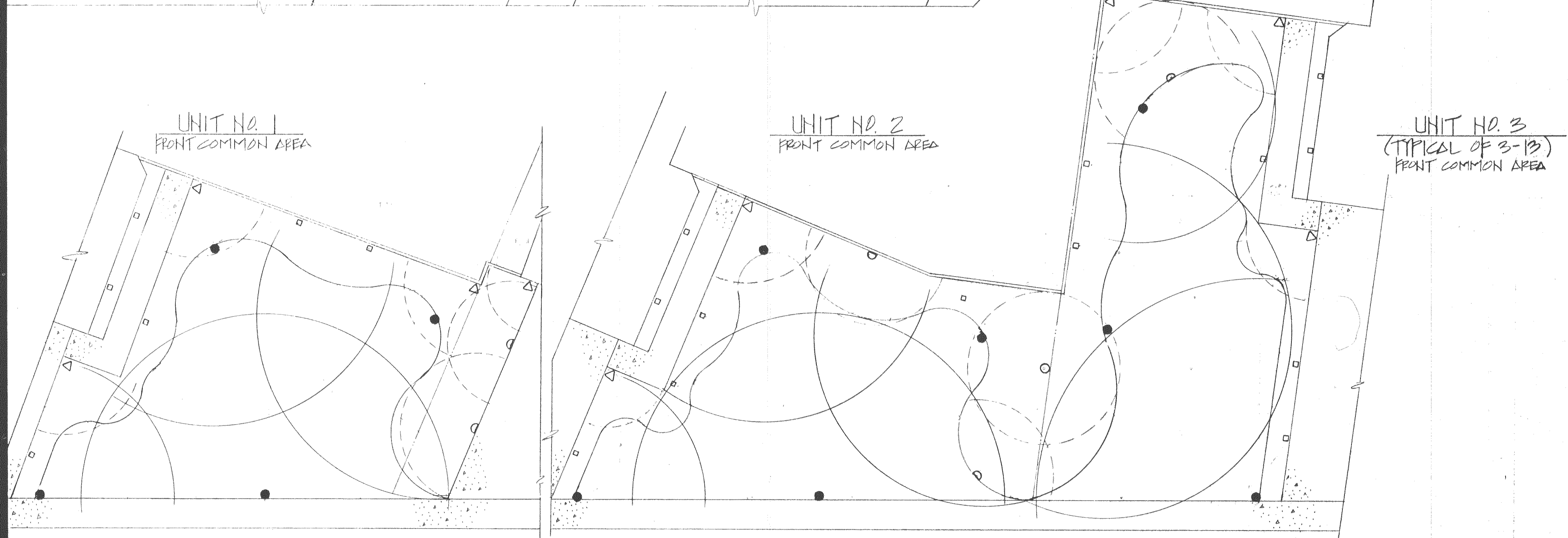
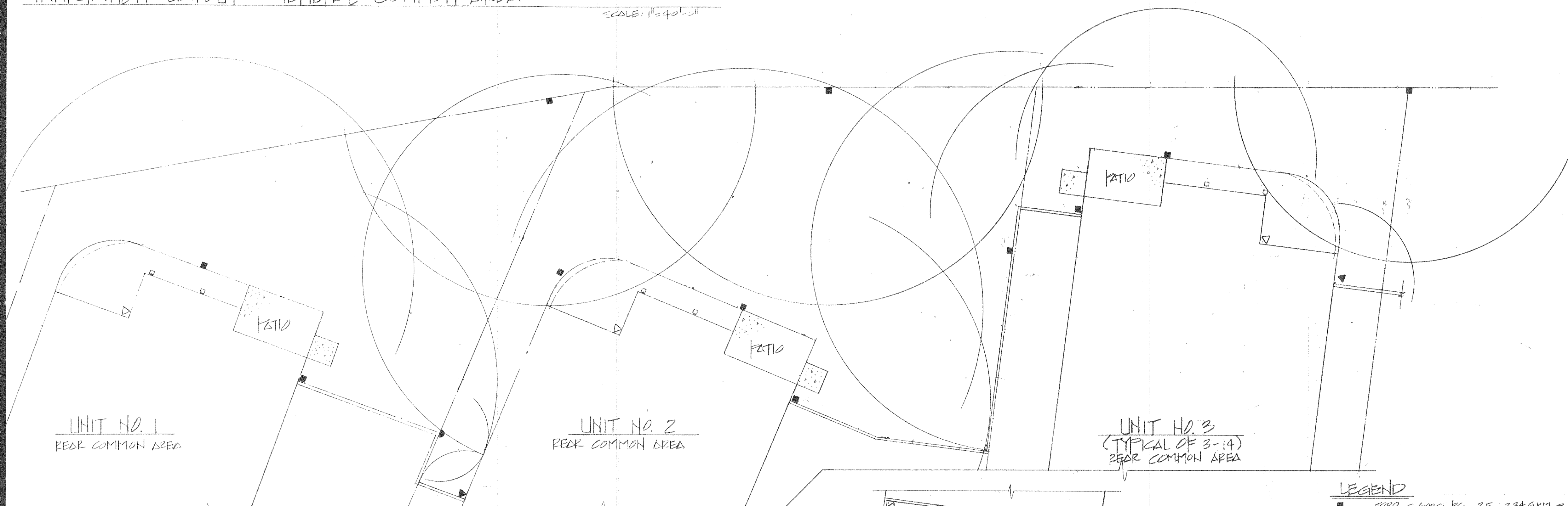


IRRIGATION LAYOUT - GENERAL COMMON AREA

SCALE: 1"=40'-0"



IRRIGATION LAYOUTS FOR: FRONT & REAR YARD COMMON AREAS

SCALE: 1"=10'-0"

LEGEND

■	TORO 5000	PC 25	3.34 GPM @ 50 PSI
●	TORO XP-300	40-70	1.71 GPM @ 50 PSI
○	115	2.18	
○	140	2.65	
○	165	3.13	
○	180	3.41	
○	195	3.67	
▲	TORO 5100-3P15	180	2.5 GPM @ 50 PSI
▲	1590	1.2 GPM @ 50 PSI	
△	TORO 5100-20180	200	3.0 GPM @ 50 PSI
△	2090	1.5 GPM @ 50 PSI	
□	450T	2.02 GPM @ 50 PSI	

- NOTE: 1) INSTALL 2" VACUUM BREAKER BACKFLOW PREVENTER AT POINT OF CONNECTION FOR LANDSCAPE IRRIGATION SYSTEM
- 2) INSTALL TORO 252-06-00 ELECTRIC REMOTE CONTROL VALVES (AS NEEDED)
- 3) INSTALL TORO 172-00-01 CONTROLLERS (AS NEEDED)
- 4) ALL IRRIGATION PIPE UNDER CONCRETE TO BE ENCASED IN SCH-40 PVC SLEEVE
- 5) ALL IRRIGATION PIPE TO BE 1" CLASS 200 PVC EXCEPT AS FOLLOWS: 2" SCH-40 PVC LANDSCAPE MAIN FROM POINT OF CONNECTION, ALONG BACK OF WALK FROM LOT 1 THRU LOT 14; 1 1/2" SCH-40 PVC PIPE FROM 2" LANDSCAPE MAIN TO EACH VALVE.
- 6) LANDSCAPE/IRRIGATION CONTRACTOR TO VERIFY WATER PRESSURE PRIOR TO INSTALLATION OF IRRIGATION SYSTEM (NOTIFY SUBMISSION OWNER IF ACTUAL PRESSURE DIFFERS FROM ASSUMED PRESSURE OF 50 PSI)
- 7) THIS PLAN IS FOR SPRINKLER LAYOUT ONLY, LANDSCAPE/IRRIGATION CONTRACTOR RESPONSIBLE FOR IRRIGATION PIPE LAYOUT, ADDITIONAL PIPE SIZING (IF NECESSARY) AND VALVE & CONTROLLER LOCATIONS (PER APPROVAL OF SUBMISSION OWNER)
- 8) ALL IRRIGATION INSTALLATION TO CONFORM TO SAN JOAQUIN COUNTY STANDARDS.

OR OWNER APPROVED EQUAL

DATE	BY	REVISIONS

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1967
 SAN JOAQUIN COUNTY, CALIFORNIA

SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95336
 (209) 239-4908



DATE	SEPT. 1986
DRAWN BY	LOG
CHECKED BY	
JOB NO.	83-120
SHEET	19
OF 19 SHEETS	

TREES

- A. LAURELSTROBILUS NOVA 'AEROLITE'
- B. LIQUIDAMBER STRAPFLUA 'FESTIVAL'
- C. PISONIA PUNICATA

SHRUBS

- 1. ANACARDIUM 'OLIVE AVIAR'
- 2. BOEALIDIA 'FRASER'
- 3. EUPHORBIA PESTICATA 'GREENHAWK'
- 4. NANNIA BUNGESTA 'CONCRETE'
- 5. PITTOSPORUM TOBIER 'VARIEGATA'
- 6. PITTOSPORUM TOBIER 'HONEYBEE ON TOP'

SPRING COVER

- FRAGARIA CHILONENSIS
- GERANIA 'SUNBLOT'
- GERANIA 'SUNBLOT'
- TURF

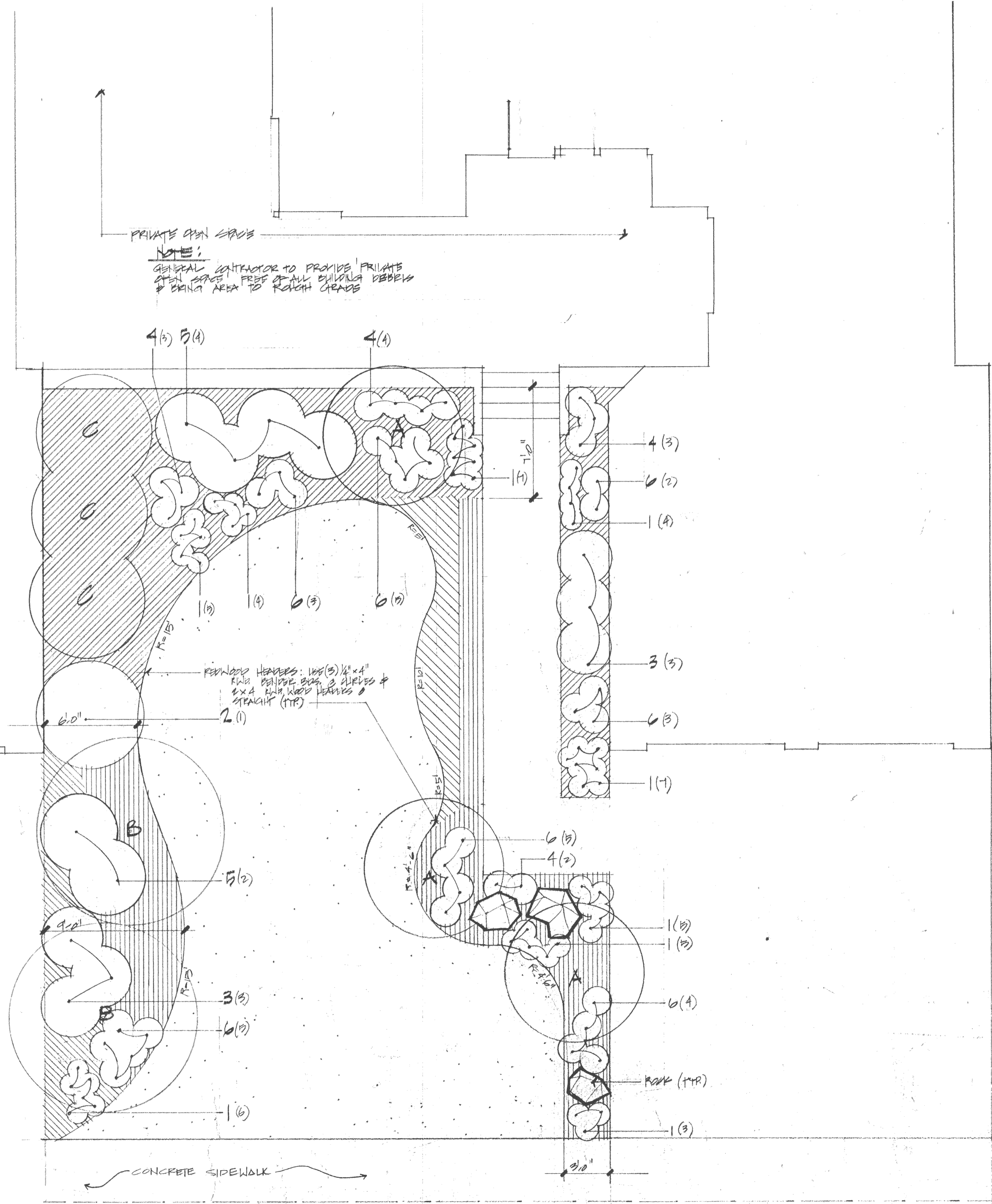
- GRASS MIXTURE
- AMERICAN SILBERT GRASS
- PERU GRASS
- SUBURBAN MIX OF THE NIS
- N.S.N.
- N.S.N.
- GRASS HEAVENLY CAMERO
- VARIATED TOBIER
- HONEYBEE ON TOP TOBIER

SIZE	NAME	QTY
18 00	FLU	3
18 00		2
18 00		3
1 00		10
8 00		1
6		6
12		12
10		10
10		10
12		12
10		10
12		12

- RED STRAWBERRY
- ORANGE GERANIA
- YELLOW GERANIA
- WASH

PLANT WITH THIS GRASS & OR.

NOTES:
 CONTRACTOR TO VERIFY QUANTITY & PLANTS



NOTE:
 GENERAL CONTRACTOR TO PROVIDE PRIVATE OPEN SPACE FREE OF ALL BUILDING DEBRIS & BRING AREA TO ROUGH GRADE

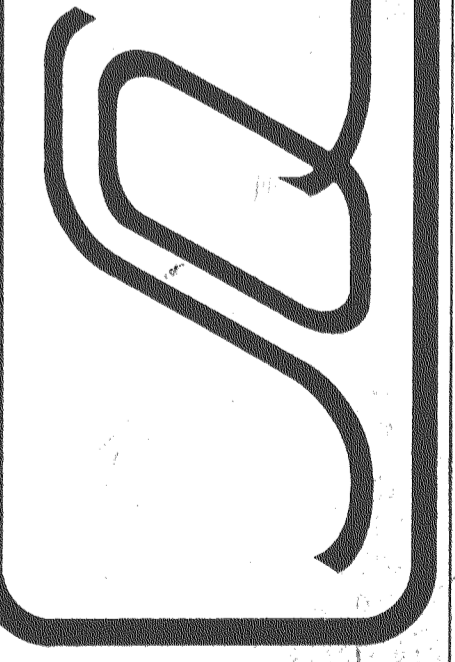
PLANTING PLAN



DATE	REVISIONS	BY	APP'D

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1967
 SAN JOAQUIN COUNTY CALIFORNIA

SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95336
 (209) 239-4908



DATE	1. 86
DRAWN BY	CA
CHECKED BY	
JOB NO.	82-10
SHEET	18
OF 19 SHEETS	

INTERSTATE

ROUTE

S. J. - 580

EXISTING 4'-6" STATE OF CALIFORNIA FREEWAY FENCE

NATURAL GRASSES

ALFALFA

REMOVE EXISTING WOOD & METAL POST WIRE FENCE.

ALL TRASH AND GARBAGE TO BE REMOVED FROM THIS AREA

EXIST. TREES & SHRUBS TO REMAIN THROUGHOUT

PLANT NINE 5 GAL. ATRIPLEX IDENTIFORMIS (QUAIL BRUSH) APPROX. 10 FT. APART TYP. @ EA. GAME SHELTER

INSTALL 610 FT. OF 4'-6" STATE OF CALIFORNIA FREEWAY FENCE W/ ANTI-SHOOT WIRE SEE FENCE DETAIL ③

SAND TRAPS

17TH GREEN

18TH TEE

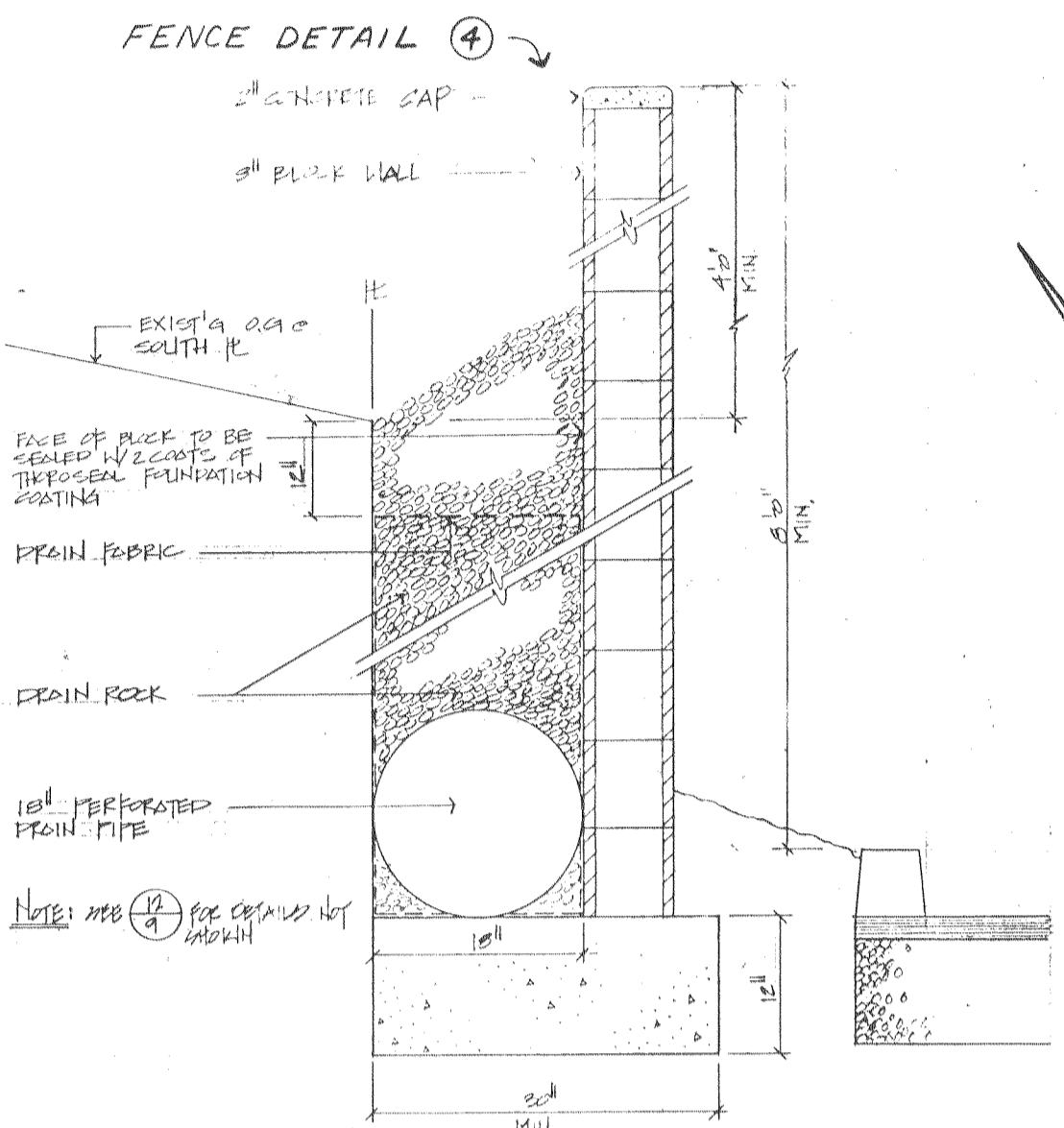
EXISTING GOLF CART PATH TO REMAIN

REMOVE EXISTING WOOD & METAL POST WIRE FENCE AND INSTALL 871.65 FT. OF 6 FT. CYCLONE FENCE W/ WOOD SLATS (NO WOOD SLATS). SEE FENCE DETAIL ①

SCALE: 1" = 50'

SCALE: 1" = 40'

SCALE: 1" = 40'



HILLSIDE GREENS UNIT NO. 1 SEE SHEET NO. 3

TO CHRISMAN ROAD

LUIGIA DRIVE

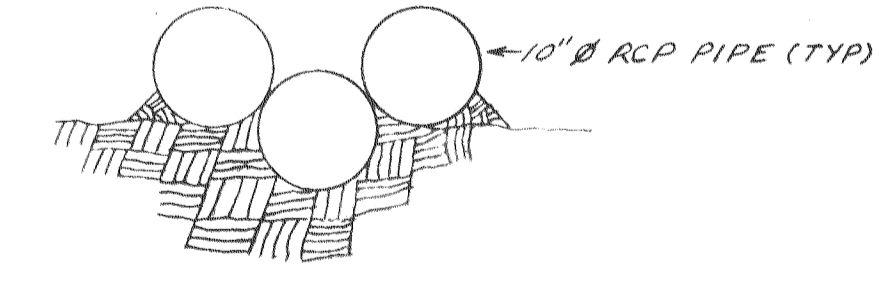
6 FT. CYCLONE FENCE W/ WOOD SLATS SEE FENCE DETAIL ②

NOTES

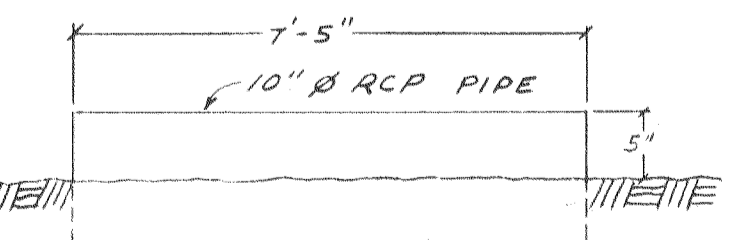
1. Refer to Deed Restrictions recorded March 20, 1986 as Instrument No. 86018773 San Joaquin County Records pertaining to this area.
2. Wildlife Forage Area shall be planted in Ramsey Seed Pro-86 Alfalfa (Inoculated) at the rate of 27 lbs. per acre. Planting shall be done in the Fall by a "Duncan Range Drill".
3. Alfalfa is to be mowed as part of the regular golf course landscape maintenance so as to maintain an approximate maximum height of 8" to 10".

LEGEND

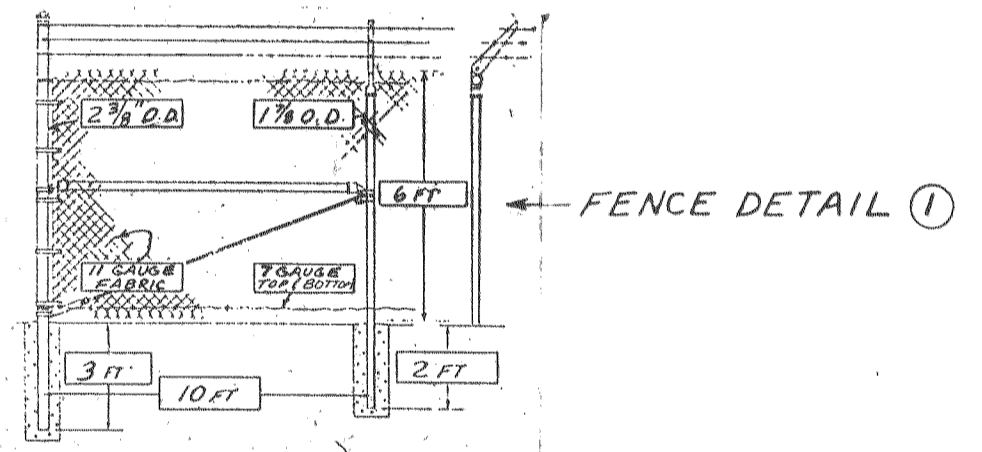
AREA TO BE PLANTED IN ALFALFA



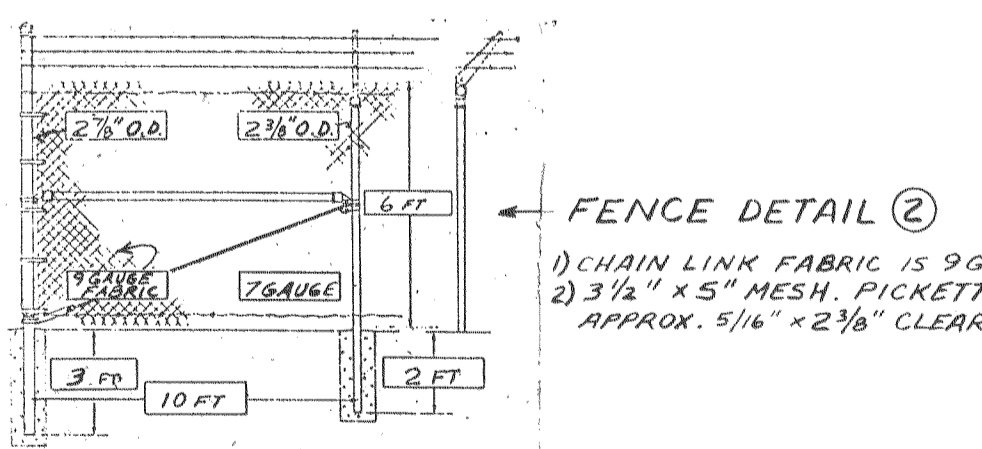
DETAIL-A GAME SHELTER N.T.S.



DETAIL-B GAME SHELTER N.T.S.

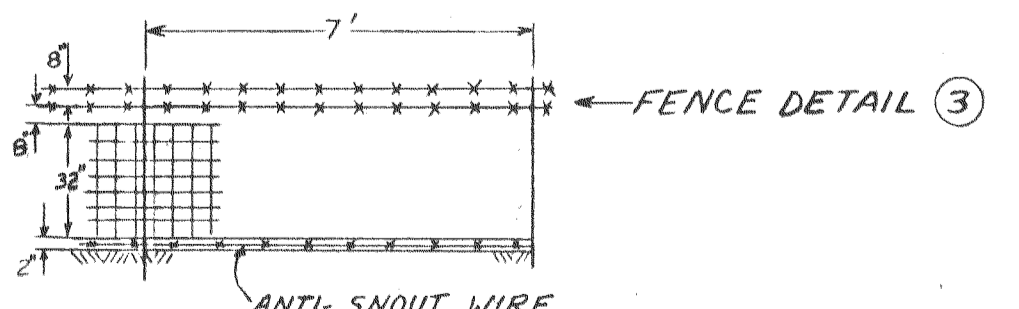


FENCE DETAIL ①

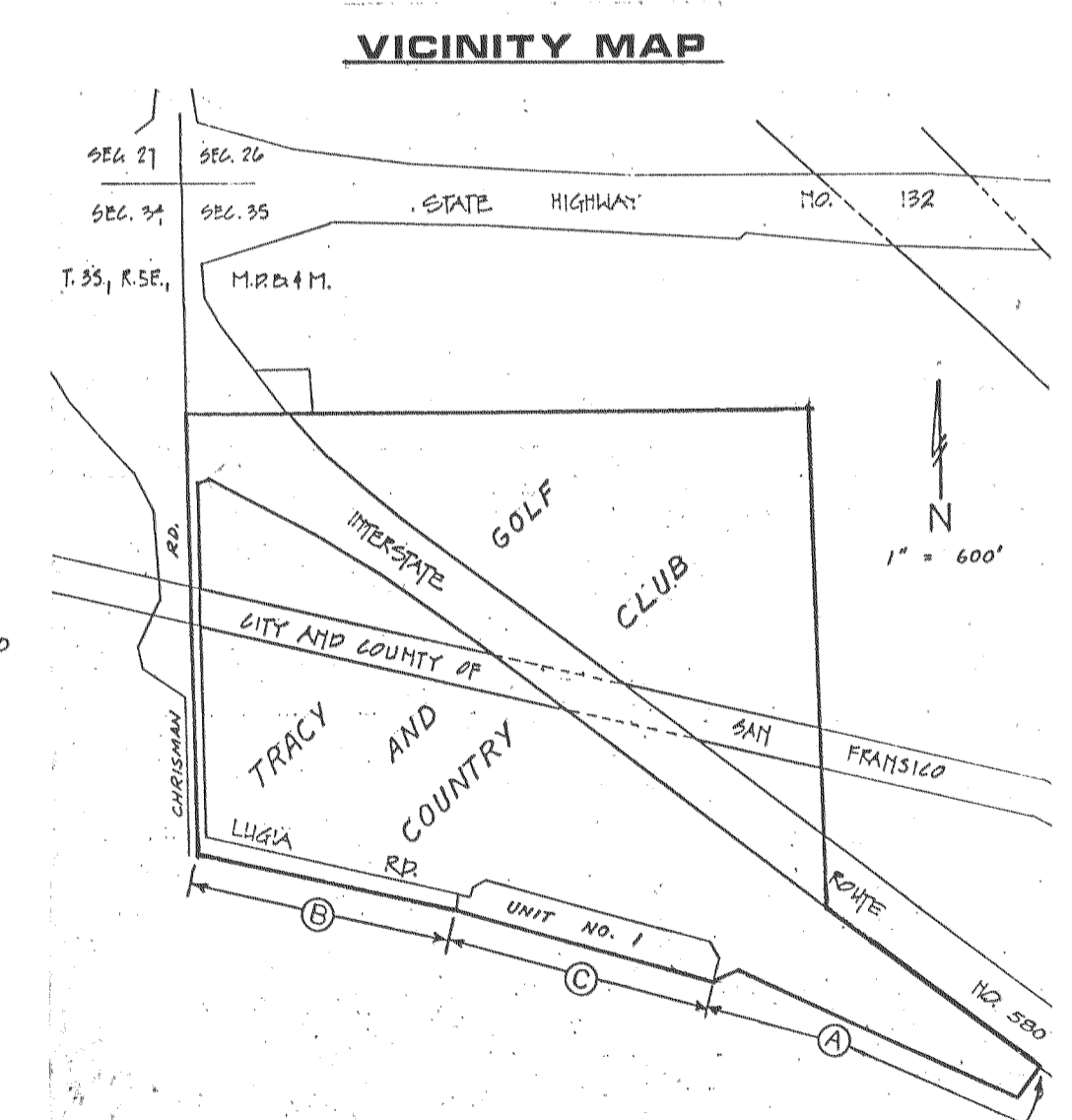


FENCE DETAIL ②

1) CHAIN LINK FABRIC IS 9 GA.
2) 3 1/2" x 5" MESH PICKETS
APPROX. 5/16" x 2 3/8" CLEARWOOD



FENCE DETAIL ③



VICINITY MAP

DATE	BY	REVISIONS
10-21-86	ADD GATE LOCATION	1

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1967
 SAN JOAQUIN COUNTY CALIFORNIA

SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95336
 (209) 239-4908

DATE	10-25-86
DRAWN BY	JCS
CHECKED BY	
JOB NO.	83-120
SHEET	16
OF	19 SHEETS

50 1888

GENERAL NOTES:

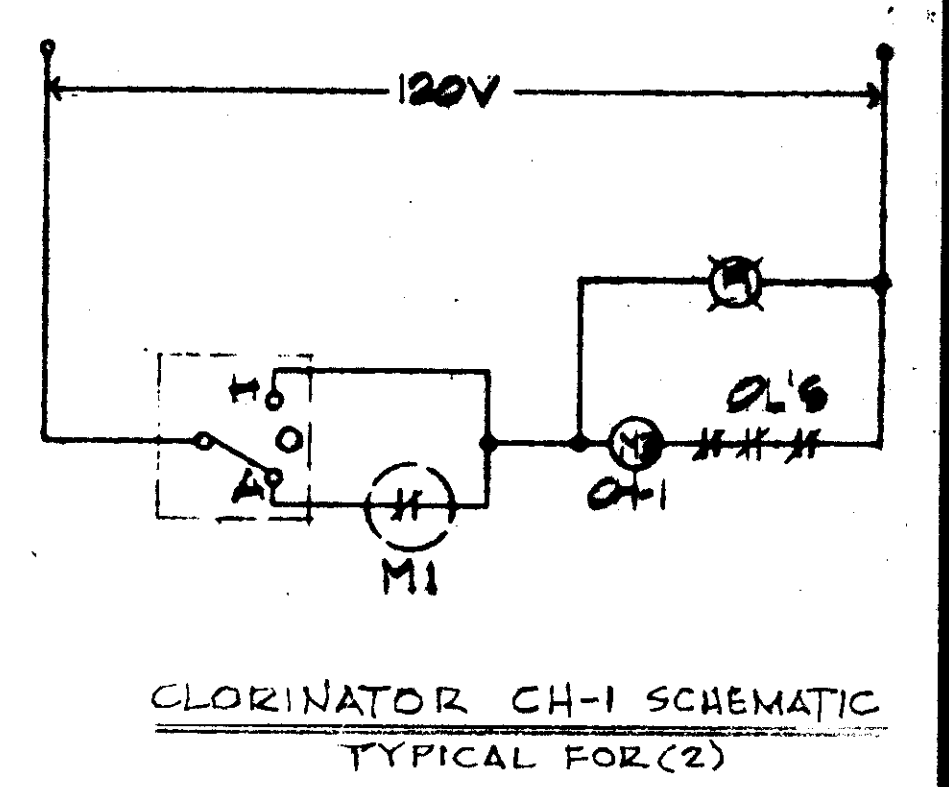
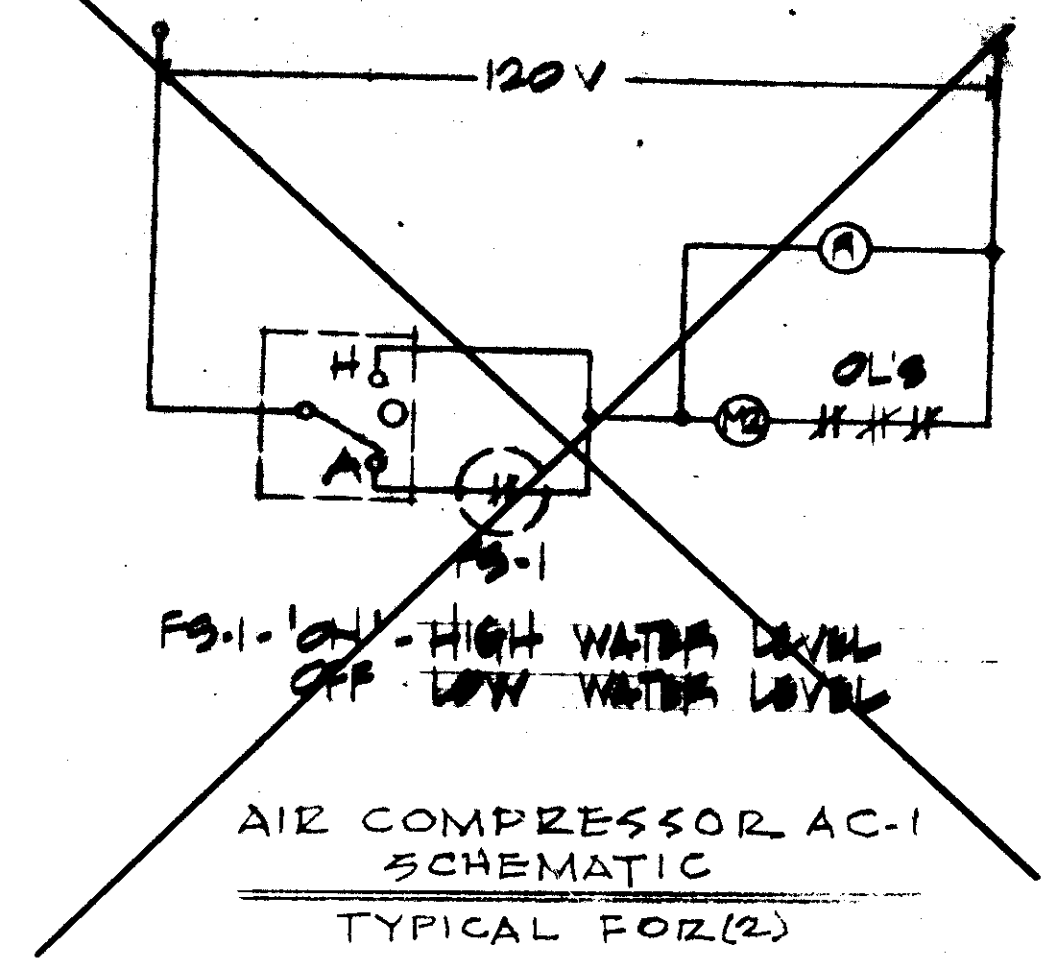
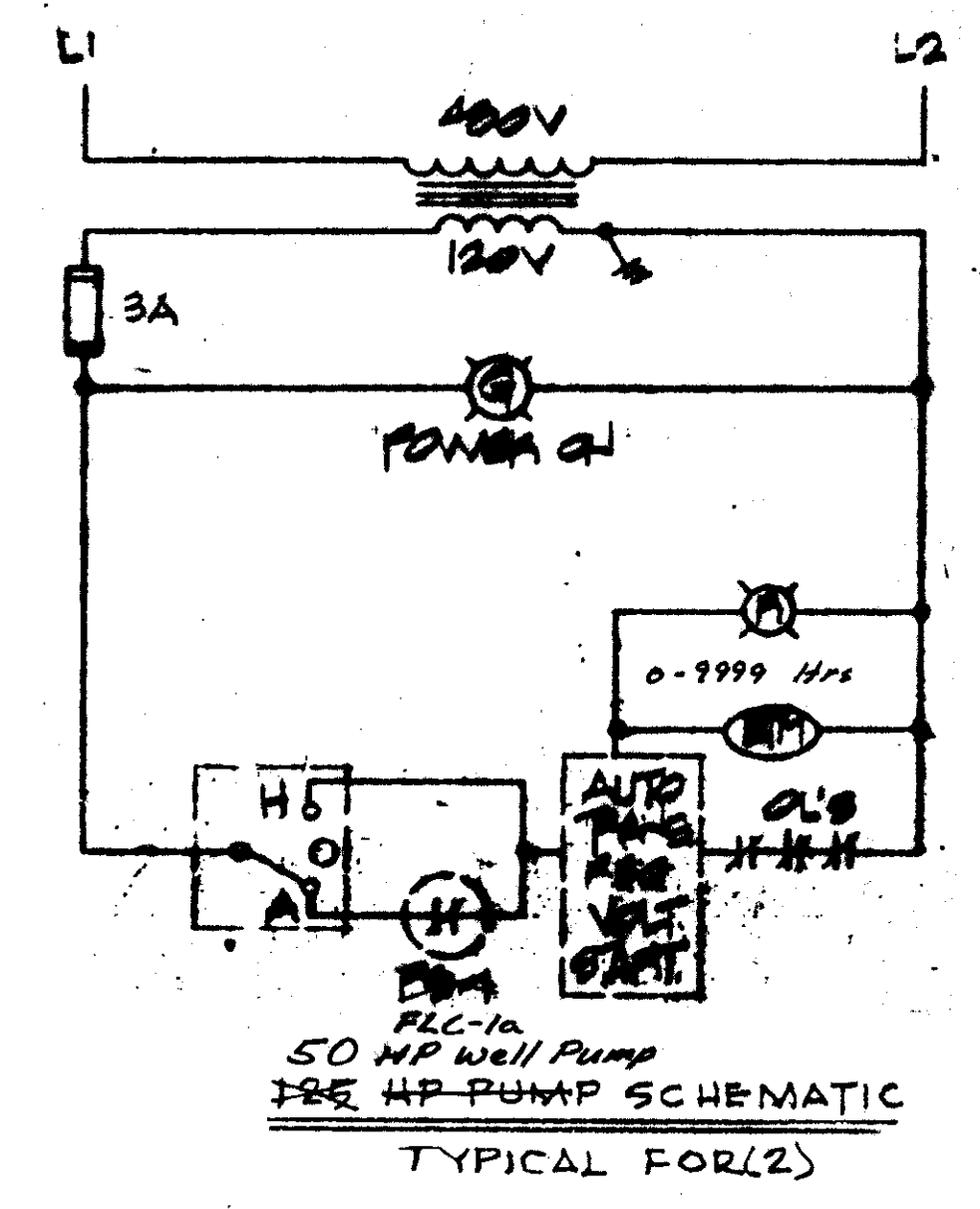
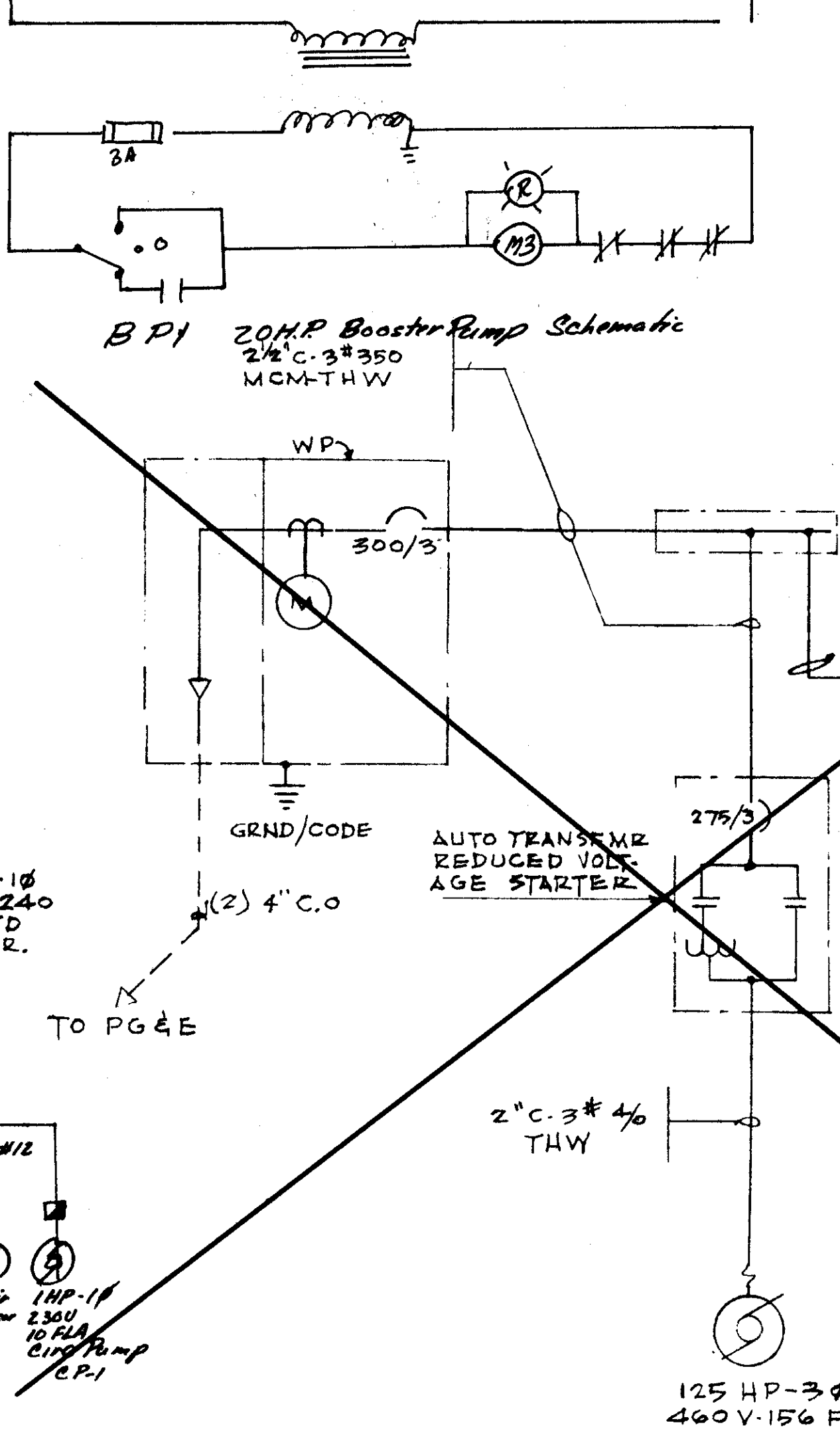
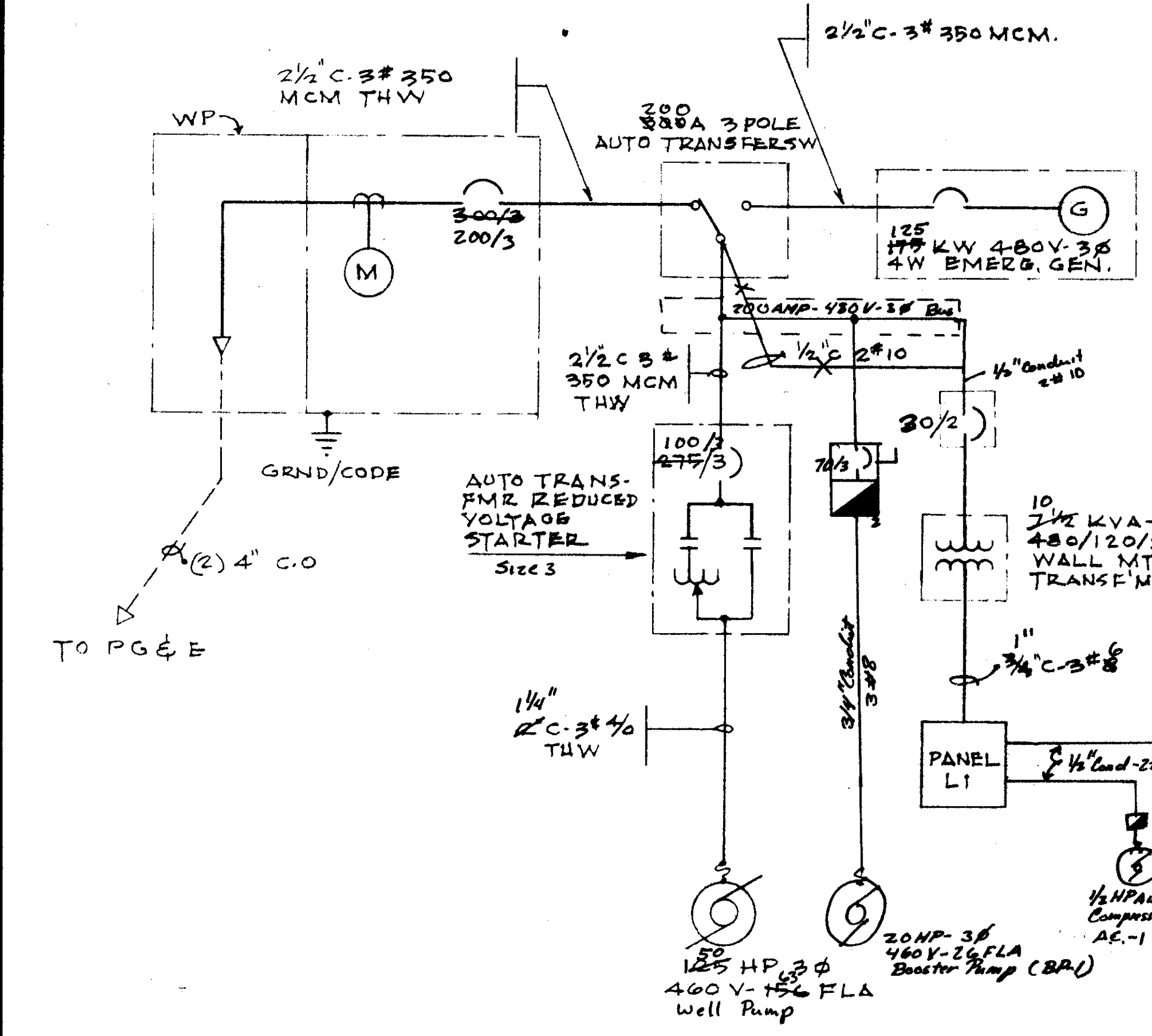
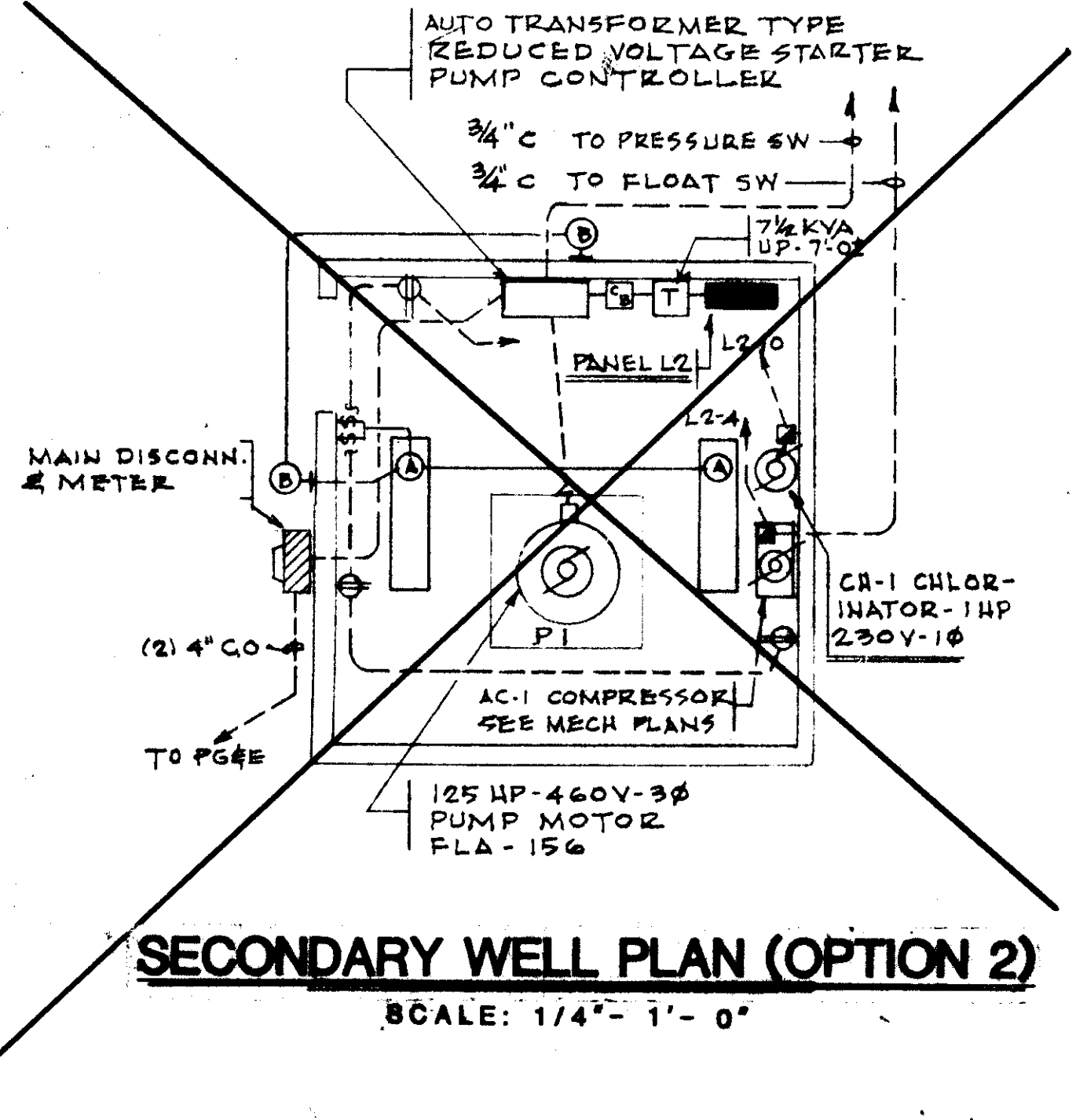
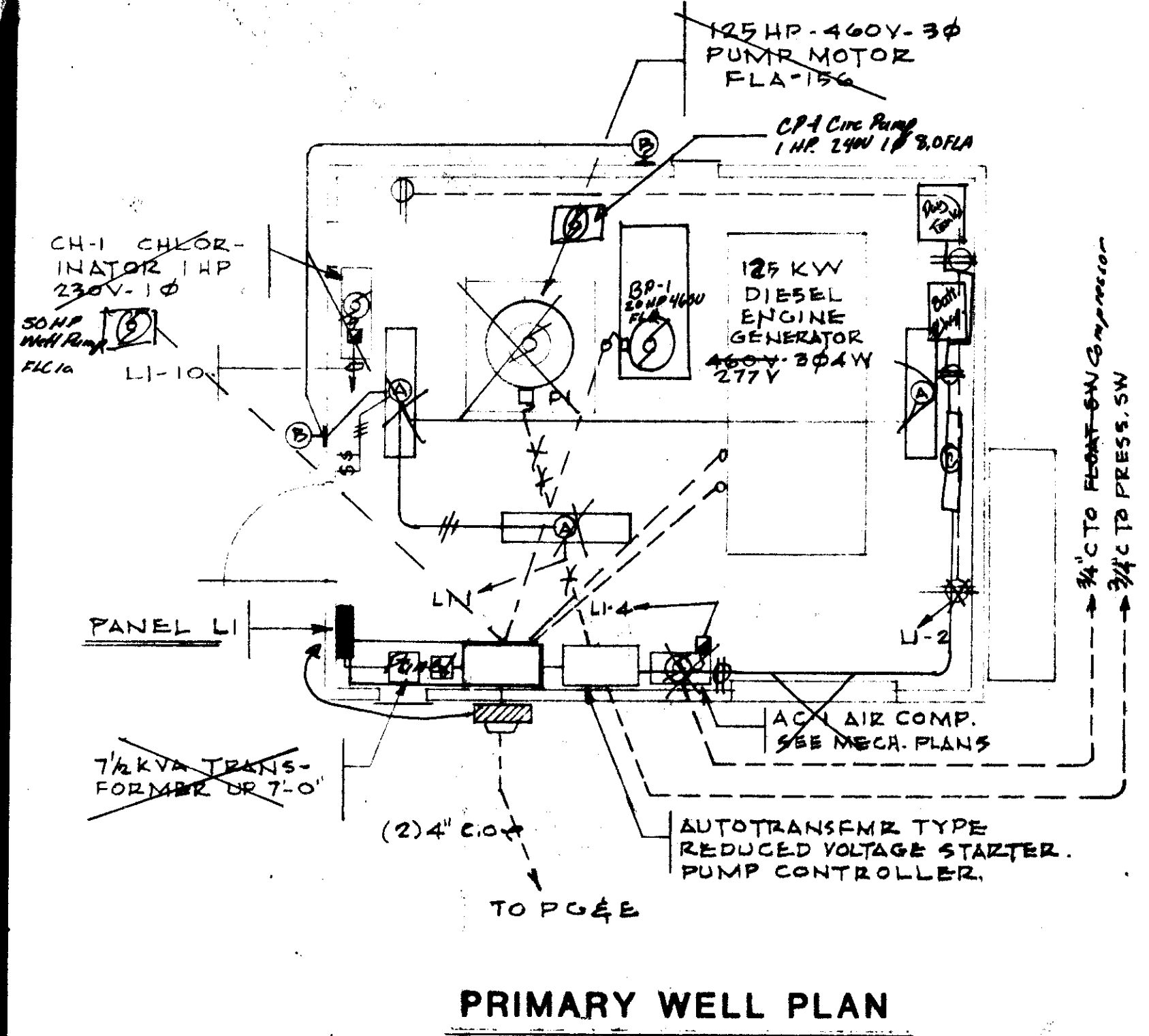
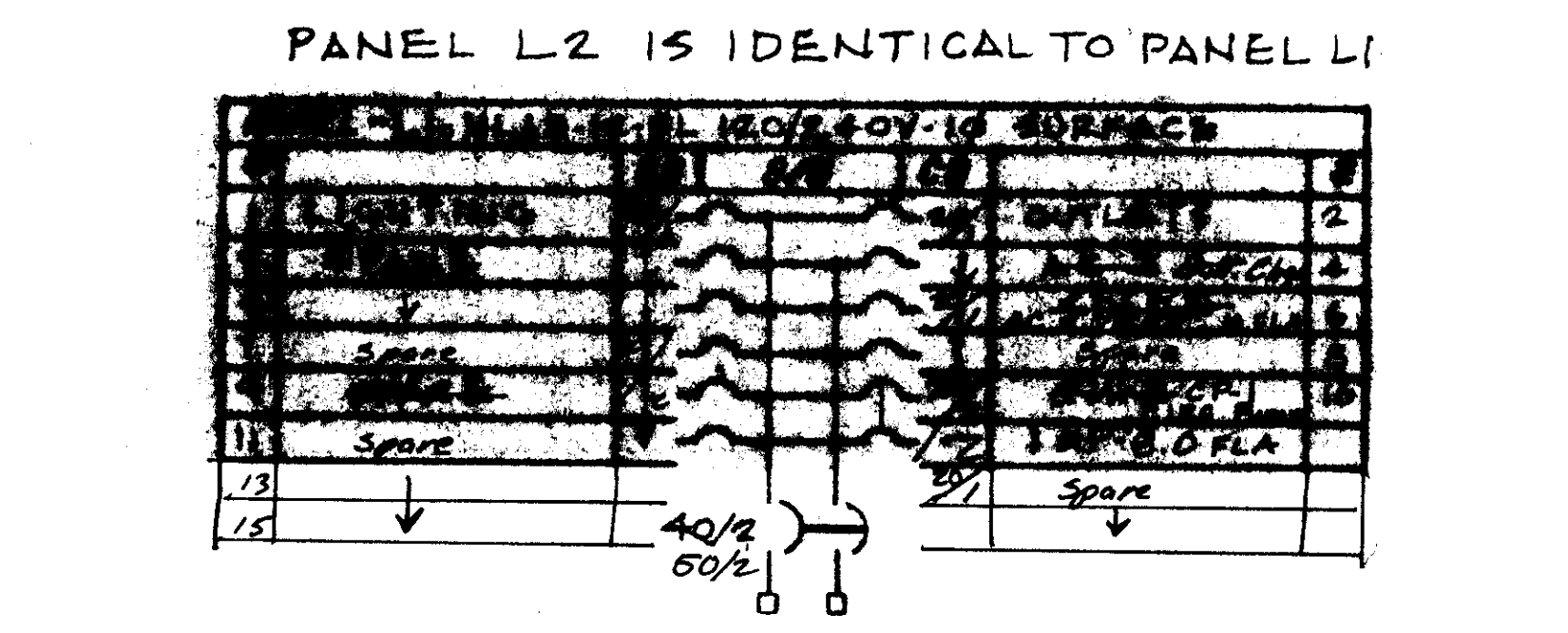
- ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH MOST RECENT EDITION OF N. E. C., STATE OF CALIFORNIA TITLE 24, PART 3, AND ALL APPLICABLE LOCAL CODES.
- ELECTRICAL CONTRACTOR SHALL VERIFY POWER AND PHONE SERVICES AT SITE PRIOR TO BIDDING. SERVICES TO CONFORM TO UTILITY REQUIREMENTS. ELECTRICAL CONTRACTOR SHALL ARRANGE FOR SERVICE INSTALLATION PER UTILITY COMPANY REQUIREMENTS AND PAY ALL CUSTOMER CHARGED SERVICE COSTS.
- ELECTRICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL PERMITS, LICENSES, ETC. REQUIRED TO CARRY ON AND COMPLETE THE WORK.
- PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY FOR ANY REASONABLE INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK" WHETHER SPECIFICALLY MENTIONED OR NOT; ALL AS INDICATED, SPECIFIED HEREIN, AND/OR IMPLIED THEREBY TO CARRY OUT THE APPARENT INTENT THEREOF.
- ALL ELECTRICAL MATERIALS SHALL BE NEW AND LISTED WITH THE UNDERWRITERS' LABORATORIES, INC. SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
- CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE THW FOR #8 OR SMALLER AND COPPER CONDUCTORS TYPE THW FOR #6 OR LARGER UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- ALL EXTERIOR AND INCANDESCENT LAMPS SHALL BE LONG LIFE, G.E. SERIES 99 OR EQUAL. ALL FLUORESCENT FIXTURES TO BE LAMPED WITH LITE WHITE LAMPS AND HAVE AN "A" SOUND RATED, ENERGY SAVING BALLAST UNLESS OTHERWISE SHOWN.

LEGEND

- FLUORESCENT LIGHT FIXTURE
- INCANDESCENT CEILING LIGHT FIXTURE
- RECESSED INCANDESCENT LIGHT FIXTURE
- WALL BRACKET LIGHT FIXTURE
- EXIT LIGHT
- LIGHT SWITCH - SPST
- LIGHT SWITCH - 3-WAY
- 120 VOLT DUPLEX WALL OUTLET
- THERMOSTAT (SEE MECH.)
- ALTERNATE DESIGNATION OF LIGHT FIXTURE SHOWING TYPE & LAMPS
- NON-FUSED DISCONNECT SWITCH
- CONDUIT CONCEALED IN WALL OR CEILING
- CONDUIT CONCEALED IN FLOOR OR UNDERGROUND
- FLEXIBLE CONDUIT
- JUNCTION BOX
- EXHAUST FAN
- TIME CLOCK
- MOTOR OUTLET
- MAGNETIC STARTER
- DISTRIBUTION PANEL
- LIGHTING PANEL
- SIGNAL CABINET AS DESIGNATED
- 3/4" LETTER-TYPE 3/8" LETTER-SWITCHING NUMBER-CIRCUIT
- UP UON
- FLUSH
- UP 12" UON
- 1/2" - 1/2" NO. OF WIRES
- 1/2" - 2" UON
- NL NIGHT LIGHT
- UON UNLESS OTHERWISE NOTED
- CO CONDUIT ONLY
- WP WEATHERPROOF

FIXTURE SCHEDULE

SYMBOL	TYPE	LAMP	DESCRIPTION	MANUFACTURER'S NO.
A	2-WAY	1-100W	FLUORESCENT	WALLMATE 302-142 BS HPP
B	1-100W	INCANDESCENT	WALL BRACKET MOUNT WEATHERPROOF HOUSING AUTOMATIC REFLECTOR	HOLOPHANE 400-120V



RECORD DRAWING
 Corrections By: *[Signature]* per notes provided to
 No Changes By: *[Signature]* dated 5/26/88
 Date: 5/11/88
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Of Work

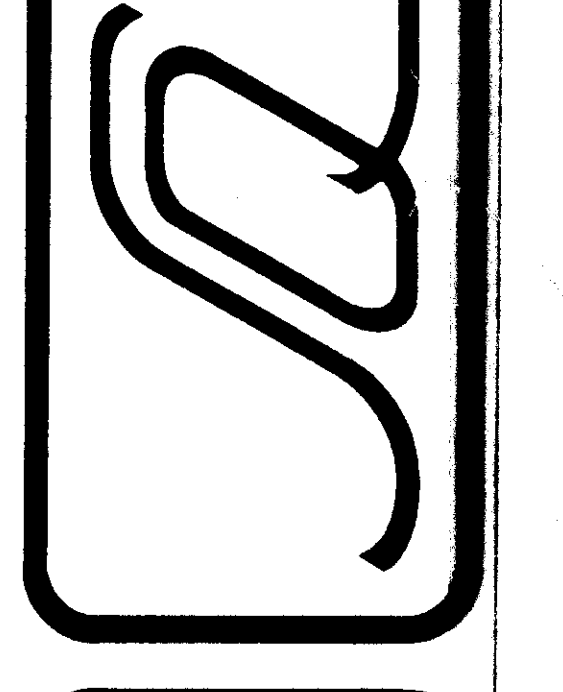


HCS ENGINEERING
 CONSULTING ELECTRICAL ENGINEERS
 2522 GRAND CANAL BLVD., SUITE 14
 STOCKTON, CALIF. (209) 478-8270

APPROVED BY: _____
 REVISIONS: _____
 DATE: _____

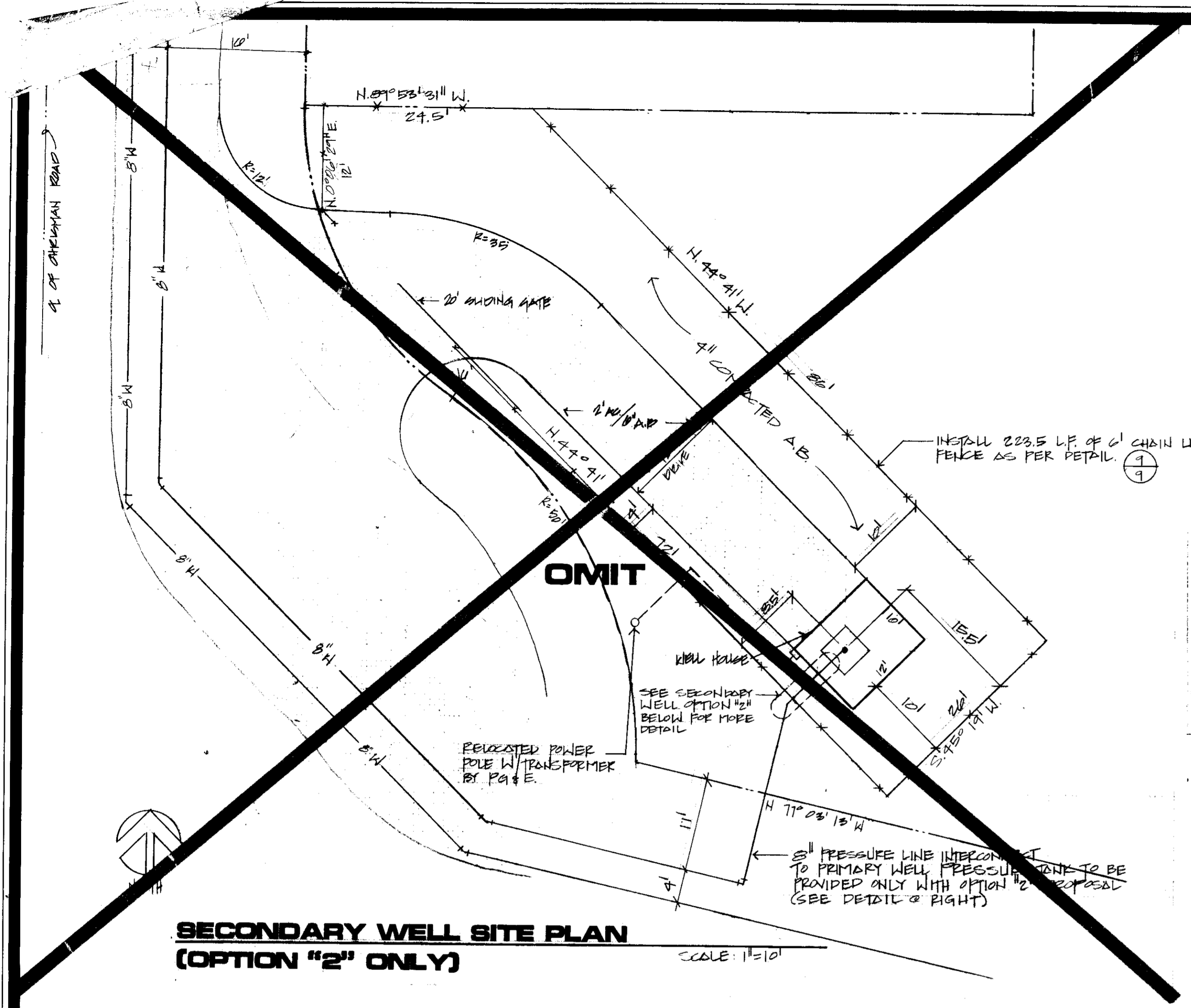
HILLSIDE GREENS
 PUMP STATIONS
 ELECTRICAL PLANS AND DETAILS

SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95336
 (209) 239-4908

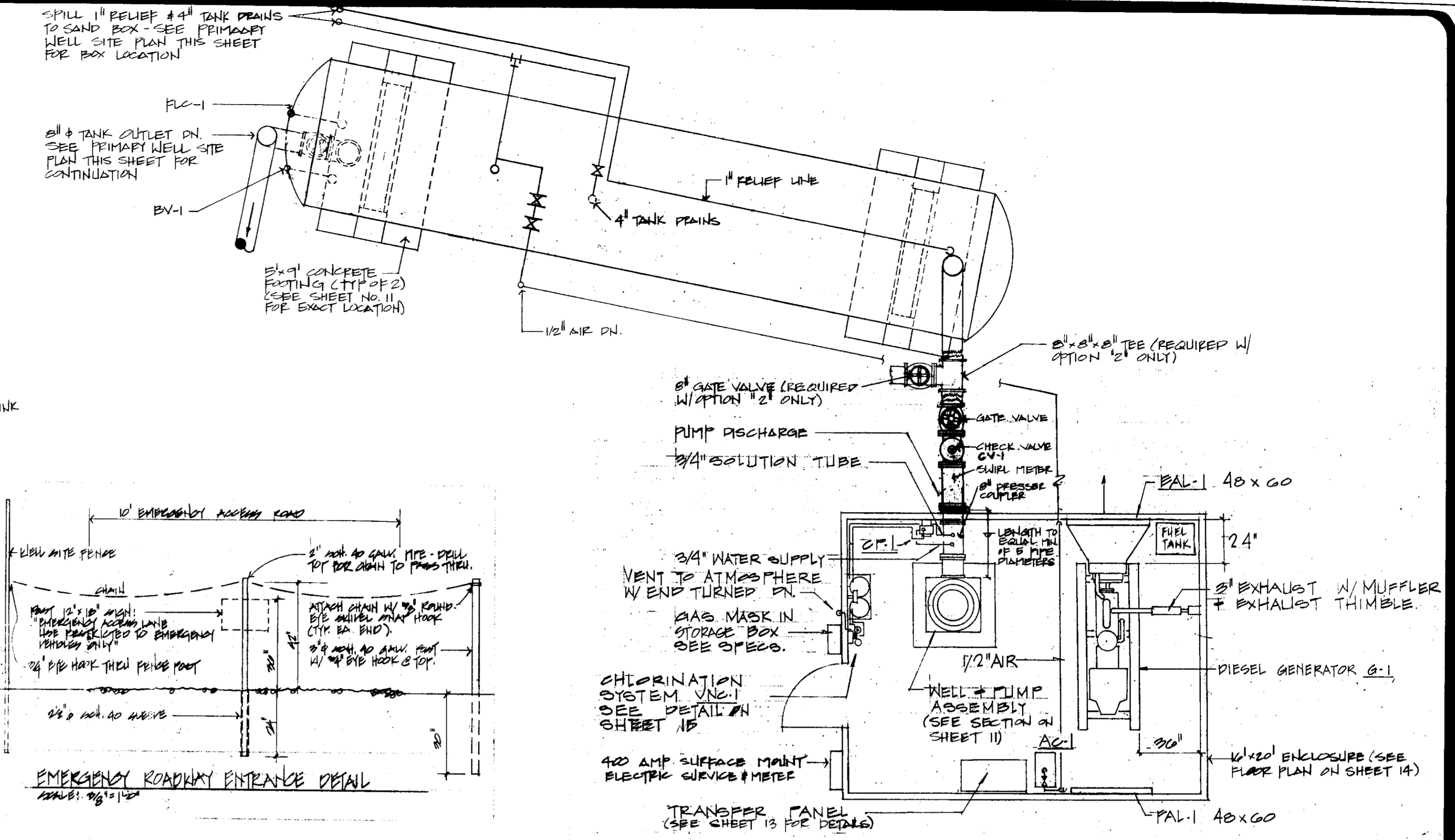


DATE: 10-31-86
 DRAWN BY: T.H.B.
 CHECKED BY: _____
 JOB NO: _____
 SHEET: 13
 OF 18 SHEETS

SU 1891



**SECONDARY WELL SITE PLAN
(OPTION "2" ONLY)**
SCALE: 1"=10'



PRIMARY WELL STORAGE TANK & PUMP LAYOUT
NO SCALE

OPTION "1"

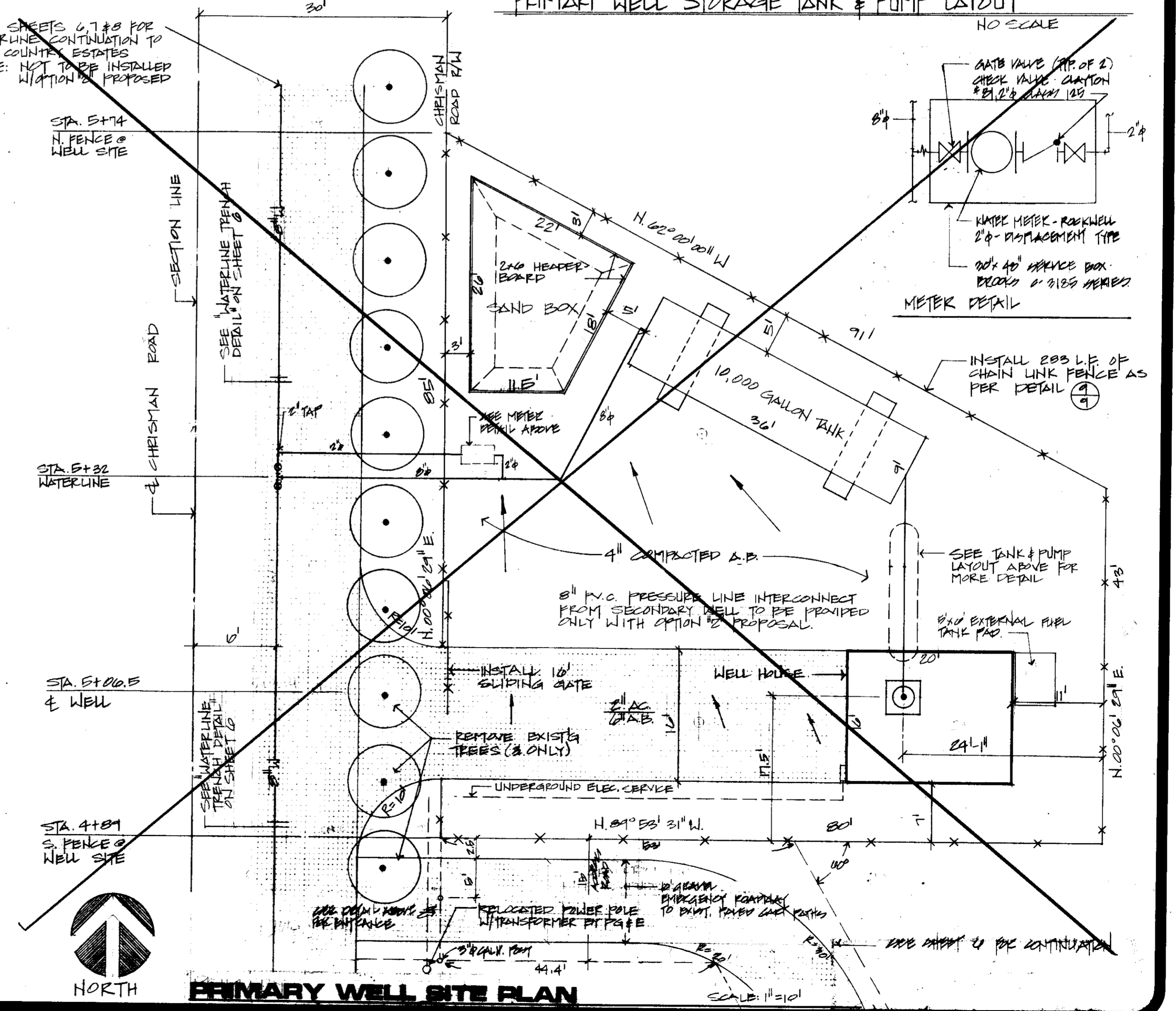
DOMESTIC WATER SYSTEM OPTION "1" IS COMPRISED OF THE FOLLOWING KEY POINTS:

1. CONSTRUCT A PRIMARY WELL WITH A BACK-UP EMERGENCY POWER SOURCE AT HILLSIDE GREENS. SEE SHEET 11, 12, 13, & 14.
2. INSTALL AN 8" WATER LINE ALONG CHRISMAN ROAD AND VERNALIS ROAD INTERCONNECTING THE HILLSIDE GREENS WATER SYSTEM AND THE PAR COUNTRY ESTATES WATER SYSTEM. SEE SHEETS 6, 7, & 8.
3. INSTALL A "CLA-VAL 816-02" CHECK VALVE OPPOSITE THE HILLSIDE GREENS PRIMARY WELL SITE TO ENABLE EMERGENCY HILLSIDE GREENS WATER TO BE CONVEYED TO PAR COUNTRY ESTATES. SEE SHEET 6.
4. INSTALL A 2" ROCKWELL DISPLACEMENT TYPE WATER METER TO ENABLE EMERGENCY PAR COUNTRY ESTATES WATER TO BE CONVEYED TO HILLSIDE GREENS ON A METERED BASIS. SEE SHEET 6.
5. INSTALL HILLSIDE GREENS UNIT NO. 1 WATER DISTRIBUTION SYSTEM WITH WATERLINE STUBS TO SERVE FUTURE UNITS 2 AND 3. SEE SHEETS 2 & 3
6. INSTALL A 10,000 GALLON WATER TANK AT PAR COUNTRY ESTATES WELL SITE NO. 2. SEE SHEET 15.
7. INSTALL NEW DOMESTIC WATER WELL CHLORINATION SYSTEM AT PAR COUNTRY ESTATES WELL SITE NO. 1 AND WELL SITE NO. 2. SEE SHEET 15.

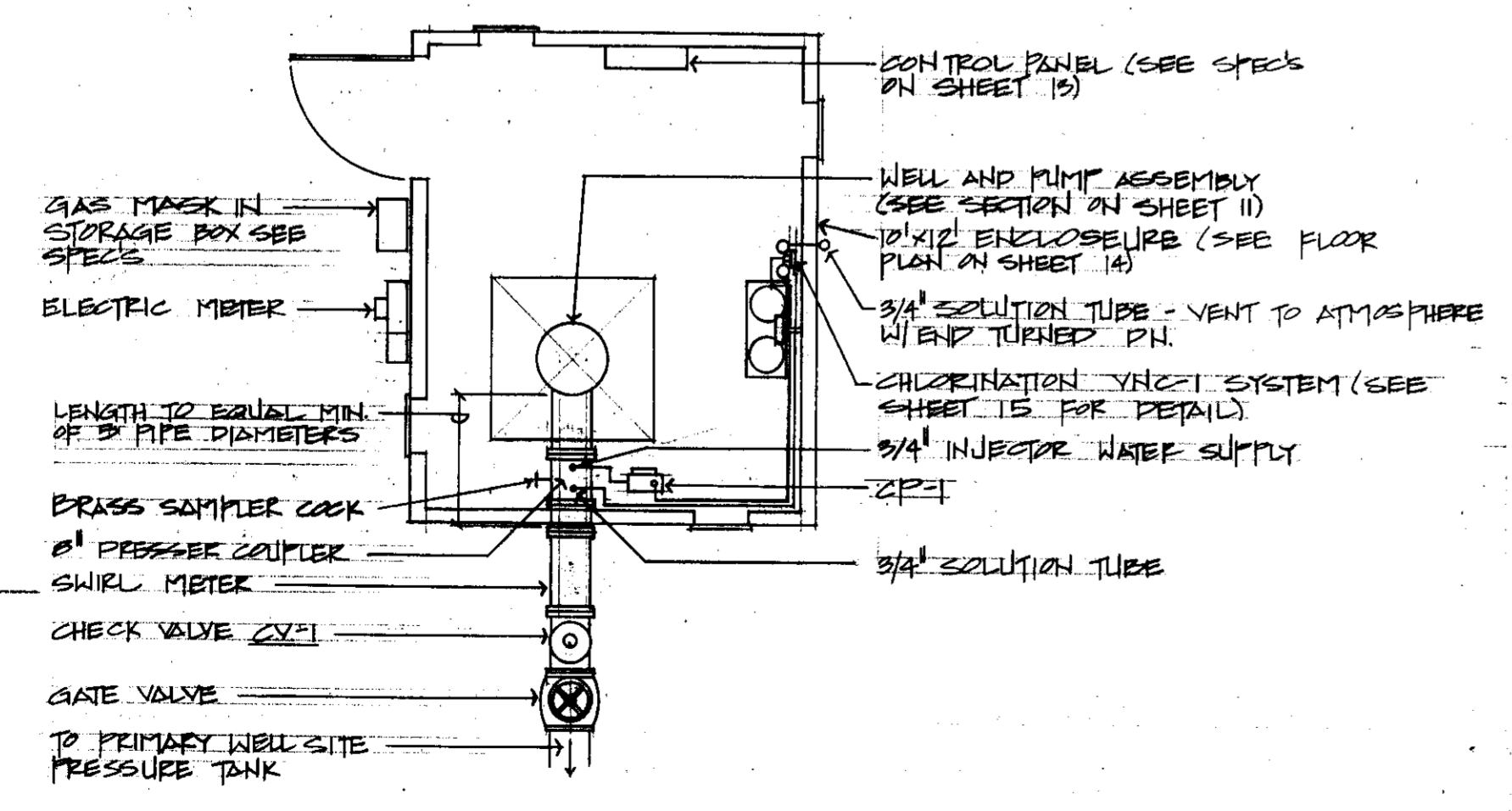
OPTION "2"

DOMESTIC WATER SYSTEM OPTION "2" IS COMPRISED OF THE FOLLOWING KEY POINTS:

1. CONSTRUCT A PRIMARY WELL WITH A BACK-UP EMERGENCY POWER SOURCE AT HILLSIDE GREENS. SEE SHEETS 11, 12, 13, & 14.
2. CONSTRUCT A SECONDARY WELL AT HILLSIDE GREENS. SEE SHEETS 11, 12, 13, & 14.
3. INSTALL HILLSIDE GREENS UNIT NO. 1 WATER DISTRIBUTION SYSTEM WITH WATER LINE STUBS TO SERVE FUTURE UNITS 2 AND 3. SEE SHEETS 2 & 3
4. NO INTERCONNECTION OF WATER SYSTEMS BETWEEN HILLSIDE GREENS SUBDIVISION AND PAR COUNTRY ESTATES SUBDIVISION.



PRIMARY WELL SITE PLAN
SCALE: 1"=10'



SECONDARY WELL PUMP LAYOUT - OPTION "2" ONLY
NO SCALE

APPROVED BY	
DATE	
REVISIONS	

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
TRACT NO. 1967
SAN JOAQUIN COUNTY CALIFORNIA

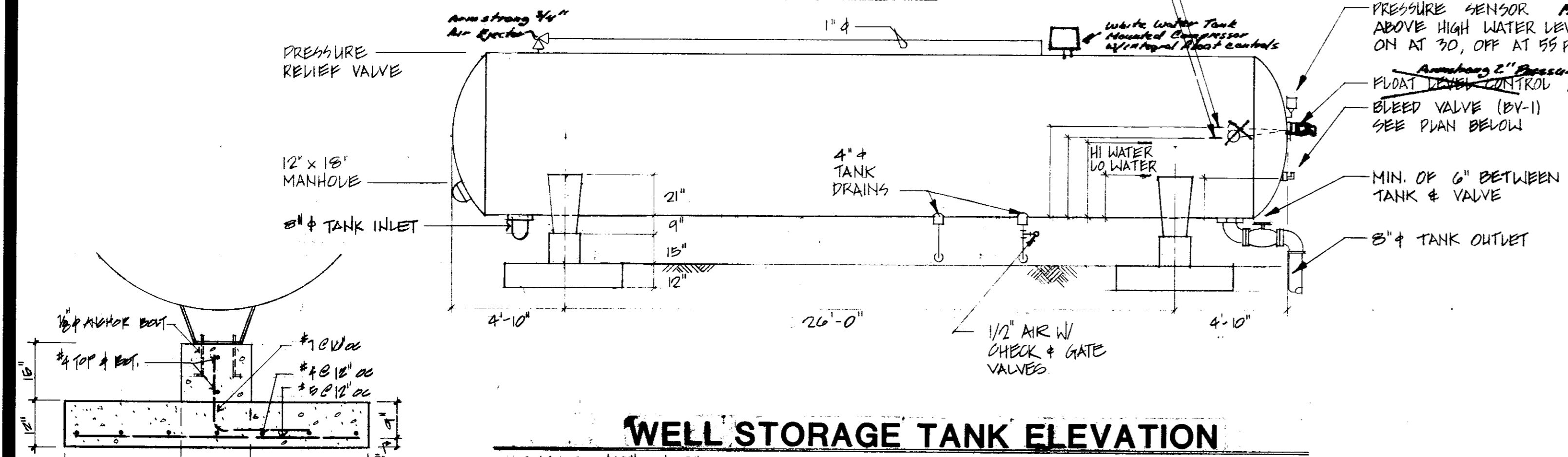
SCHACK & QUARTAROLI
Civil Engineering and Land Surveying
150 Northgate Drive Manteca California 95336
(209) 239-4908

DATE	OCTOBER 1960
DRAWN BY	Jaa/SK
CHECKED BY	
JOB NO.	89-120
SHEET	12
OF 19 SHEETS	

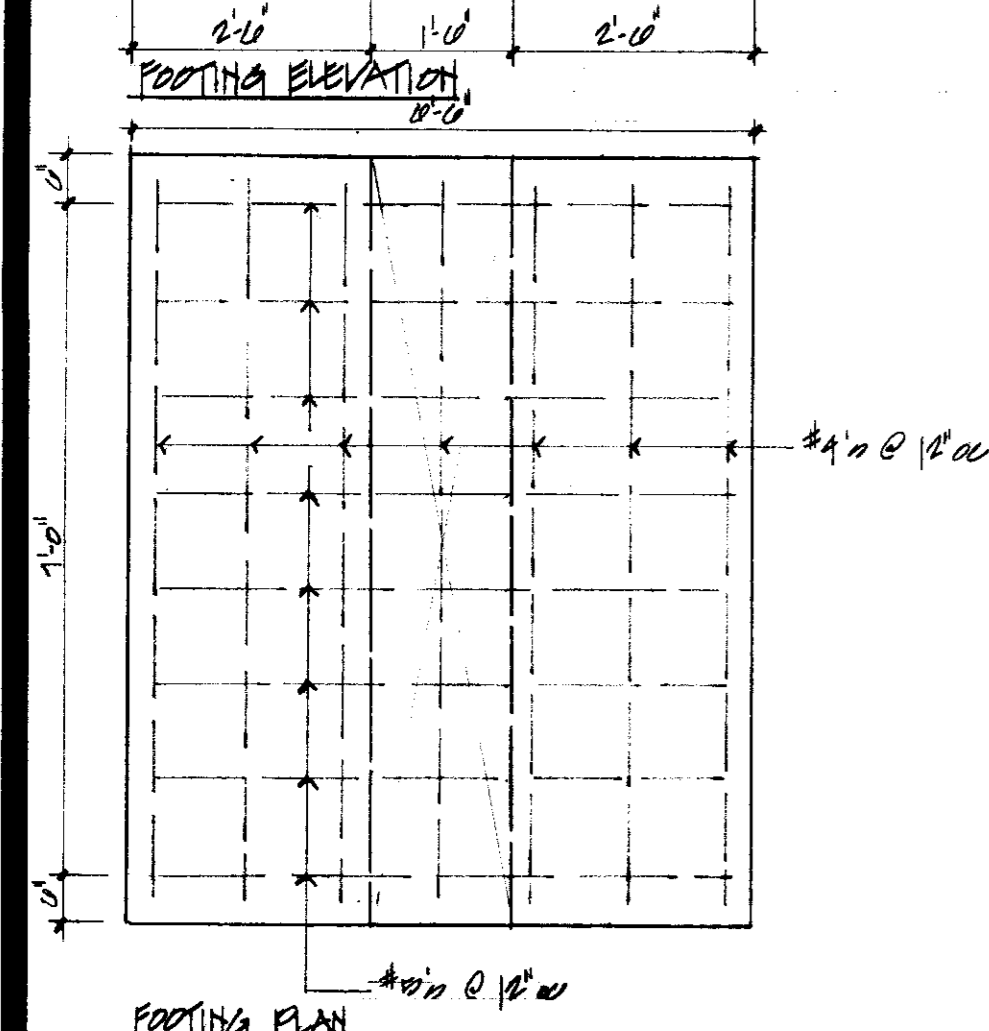
SU 1892

MARK	MAKE & MODEL	DESCRIPTION	THICK	REMARKS
P-1	VERTLINE 82412EM SERIES 110	VERTICAL PUMP	8" COLUMN & STRAINER	800 GPM AC @ 110' @ STAGE 1/2 HP AGO V-70 + W/ DISHED ENDS 10,000 GAL. TANK
OT-1	STOUTON MANUFACTURING	AGME TANK 1 DIA. * 20'-8"	12" x 18" MANHOLE	
CV-1	CLA-VAL 819-02	8" CHECK VALVE		
AG-1	KELLON 101-X0	ANCHOR W/ 1/2" CONG. ING.		1/2 HP 2.1 GPM @ 100 PSI 120V-14
BV	AMETEK MODEL 111	BLEED VALVE		
PLU-1	BRNET MODEL A-750	FLOAT LEVEL CONTROL		OPER. PRESS 55 PSI
VND-1	PENNVALT SERIES V-50	V-NOTCH CHLORINATOR		W/ PLATFORM SCALE
GR-1	FACE 11A * 1 1/2" x 5" TYPE L 1250-1	CIRCULATING PUMP		1150 RPM 220V-14 1 HP 5 GPM @ 95' HD

FLOAT LEVELS
COMP. "ON"
COMP. "OFF"



WELL STORAGE TANK ELEVATION
SCALE: 1/4" = 1'-0"

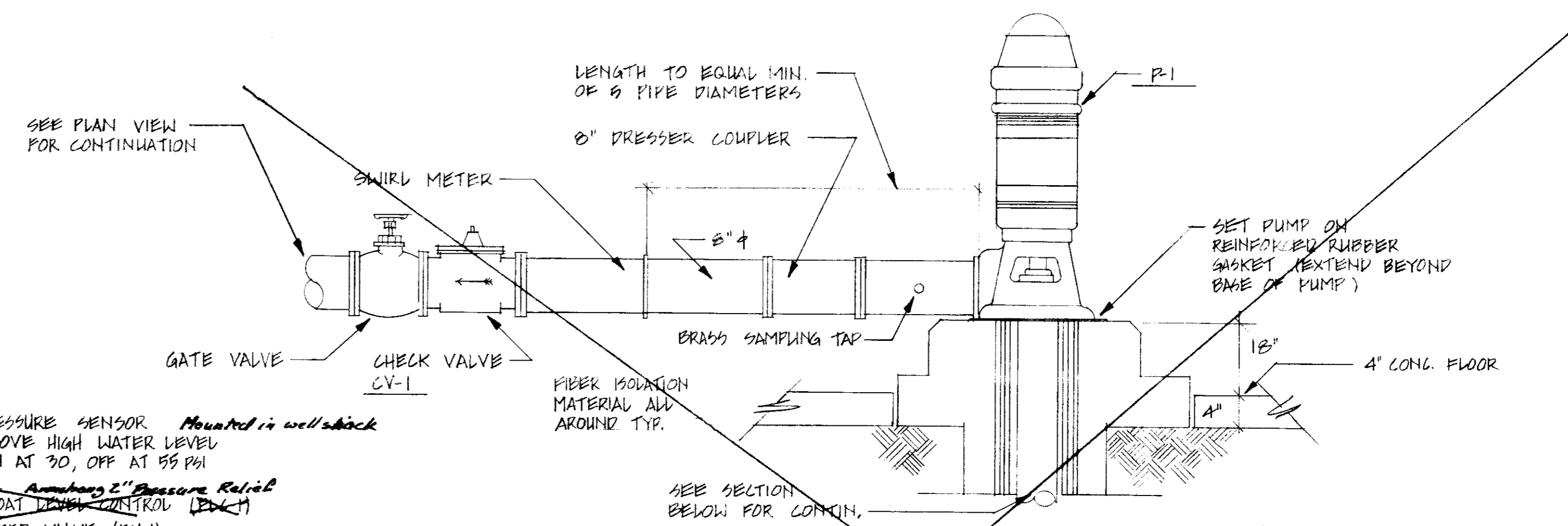


TANK FOUNDATION
REBAR: 1/2" @ 12"

For Well installation,
Refer to Improvement plans
dated 5/10/93 as prepared
by J.H. Hansen
54 210 - 54 214

RECORD DRAWING

Corrections By: *[Signature]*
No Changes By: *[Signature]*
Date: DEC 14 1993
Any Person Using This Drawing Should Verify
Information By Inspecting The Site Or Work



PUMP MOUNTING DETAIL
NTS

NOTES

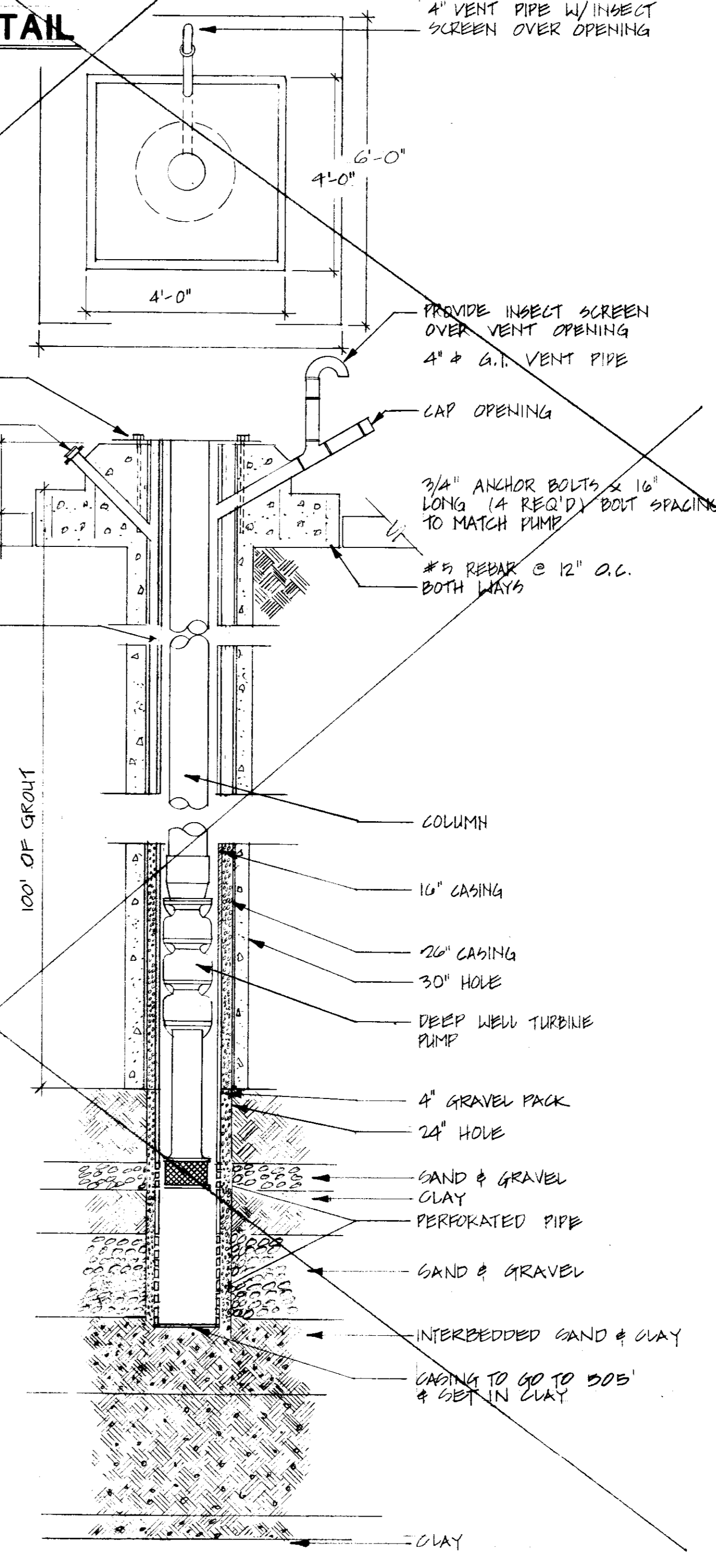
1. WELL & PUMP INSTALLATION SHALL BE IN ACCORDANCE W/ LOCAL HEALTH DEPARTMENT REQUIREMENTS.
2. THE INITIAL WATER SAMPLE OF THE WELL SHOULD BE TESTED FOR BOTH PHYSICAL & CHEMICAL CHARACTERISTICS AND SHOULD BE IN CONFORMANCE W/ CALIFORNIA DOMESTIC WATER QUALITY AND MONITORING REGULATIONS, CALIFORNIA ADMINISTRATIVE CODE TITLE 22 AND AS INDICATED IN SPECS.
3. WELL CONTRACTOR SHALL PROVIDE THE COUNTY WITH ELECTRICAL DIAGRAMS AND MANUFACTURERS SPECS AND SEND AN PUMP & ALL EQUIPMENT RECEIVED.
4. WELL DRILLER SHALL KEEP A COMPLETE SET OF PILING & DEVELOPMENT RECORDS AND OBTAIN ALL PERMITS REQUIRED FOR THE WELL. THE WELL DRILLER SHALL PROVIDE THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS A COMPLETE SET OF RECORDS.
5. WELL CONTRACTOR IS RESPONSIBLE FOR ALL COOPERATION WITH PG&E.
6. WELL CONTRACTOR SHALL SUBMIT BUILDING PLANS AND CALCULATIONS FROM THE MANUFACTURER TO OBTAIN A BUILDING PERMIT FOR THE WELL HOUSE. WATER QUALITY SHALL MEET PRIMARY AND SECONDARY STANDARDS OF TITLE 22.
- 7.

AREAS OF PERFORATION:

- 900' - 400' 10' OF FULL FLOW LOWER PATTERN
- 400' - 505' 45' OF FULL FLOW LOWER PATTERN

NOTE:

WELL DEVELOPMENT LOGS TO BE FURNISHED TO SAN JOAQUIN COUNTY PUBLIC WORKS DEPARTMENT.



WELL SECTION
NTS

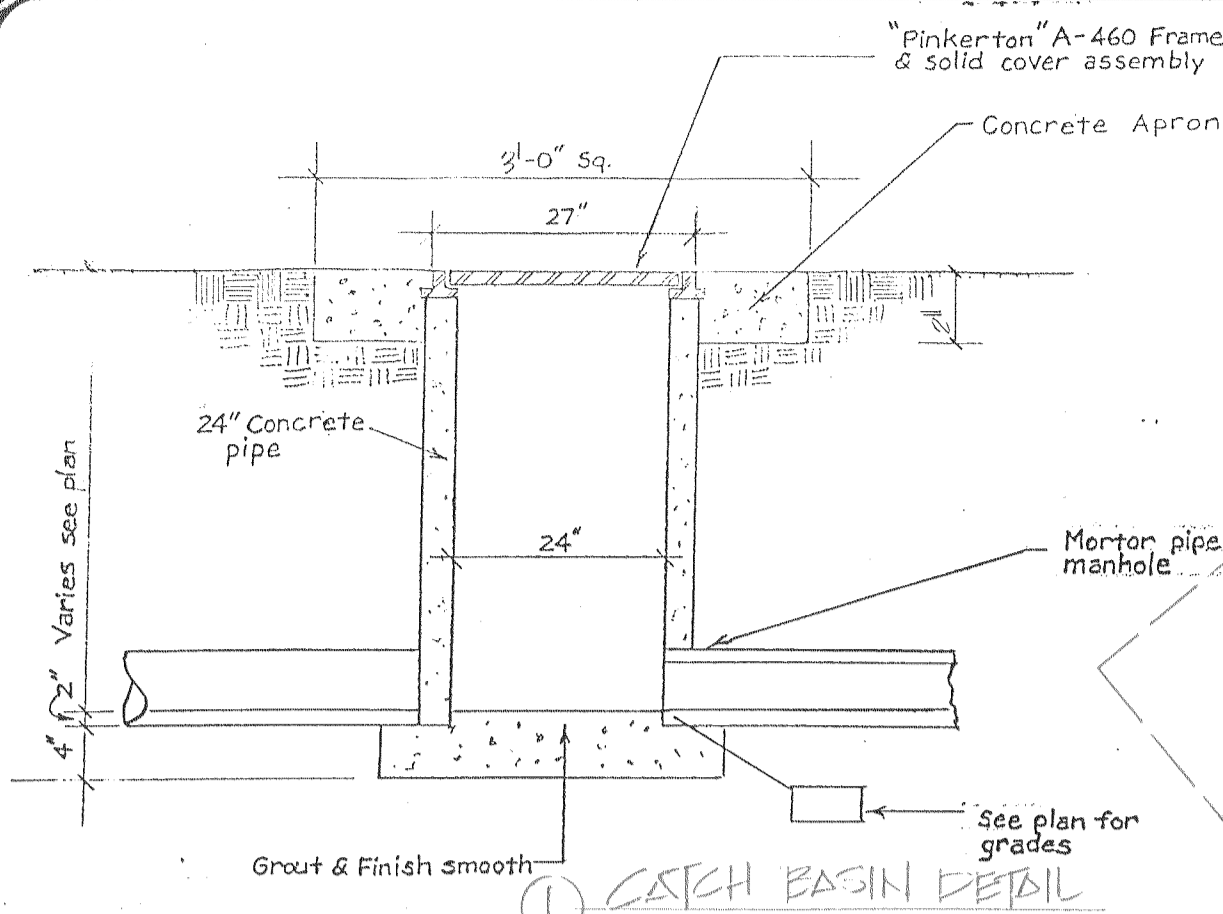
ALEXANDER SCHEFLO and ASSOCIATES
MECHANICAL ENGINEERS
2218 PACIFIC AVE. PHONE 948-2746 STOCKTON, CALIF. 95210

DATE	REVISIONS	BY	APP'D BY
10-31-84	TANK & PUMP DETAIL - REMOVAL	STG	STG

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
TRACT NO. 1967
SAN JOAQUIN COUNTY CALIFORNIA

SCHACK & QUARTAROLI
Civil Engineering and Land Surveying
150 Northgate Drive Manteca California 95336
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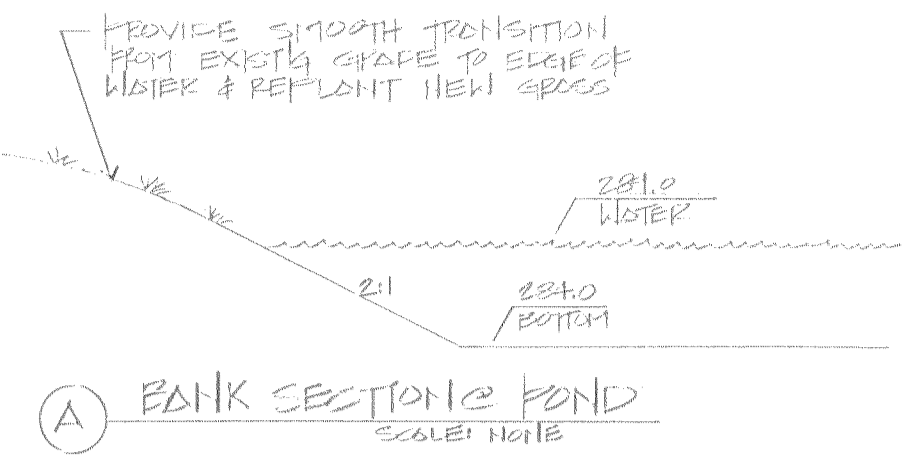
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AUG 25, 1986			83-120	11



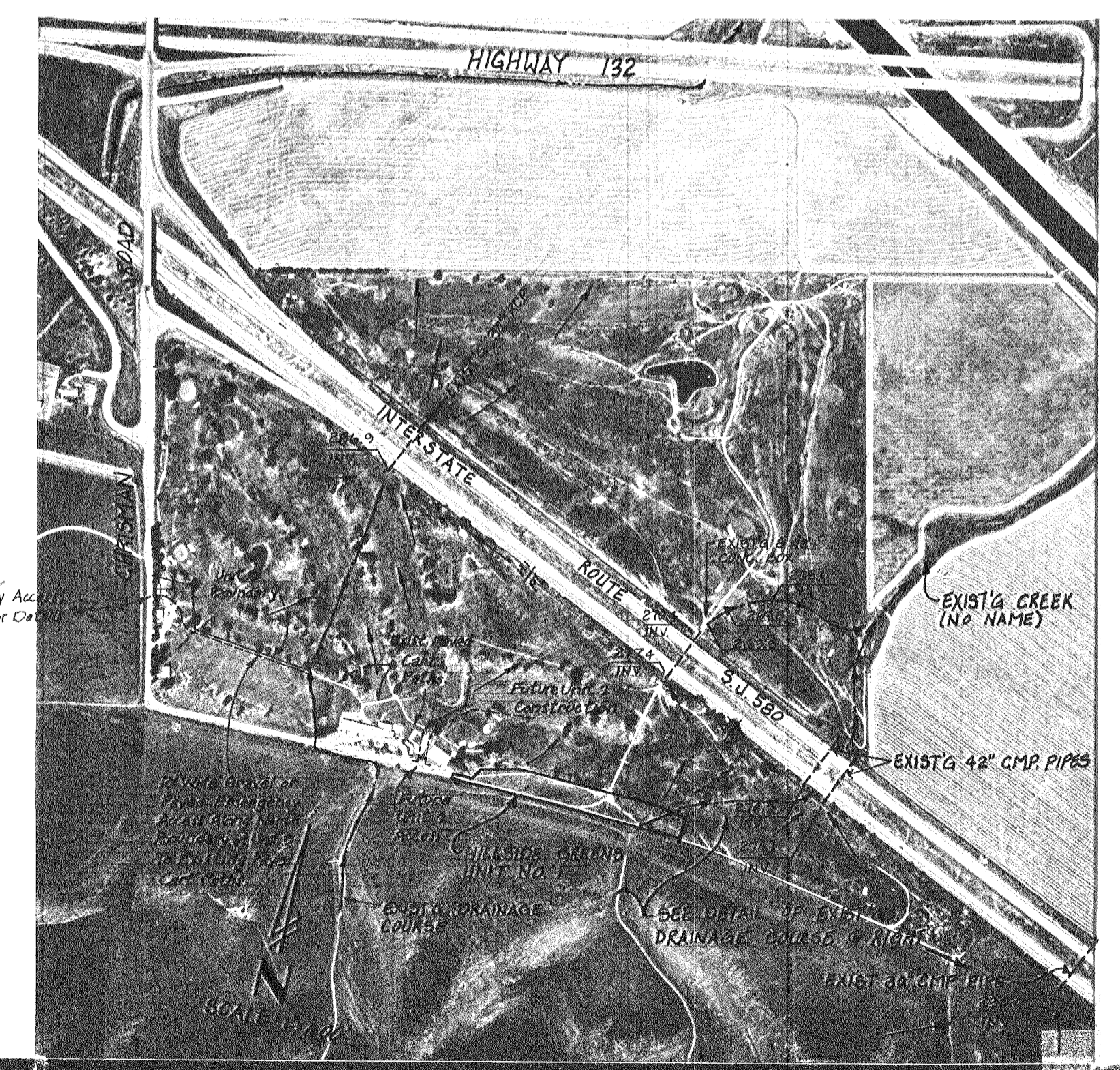
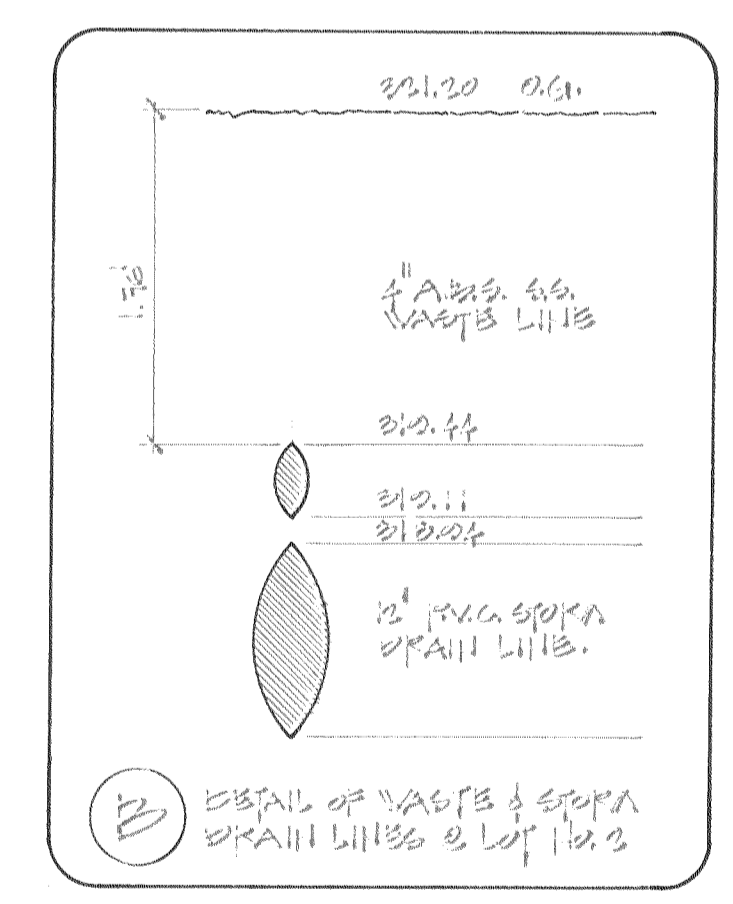
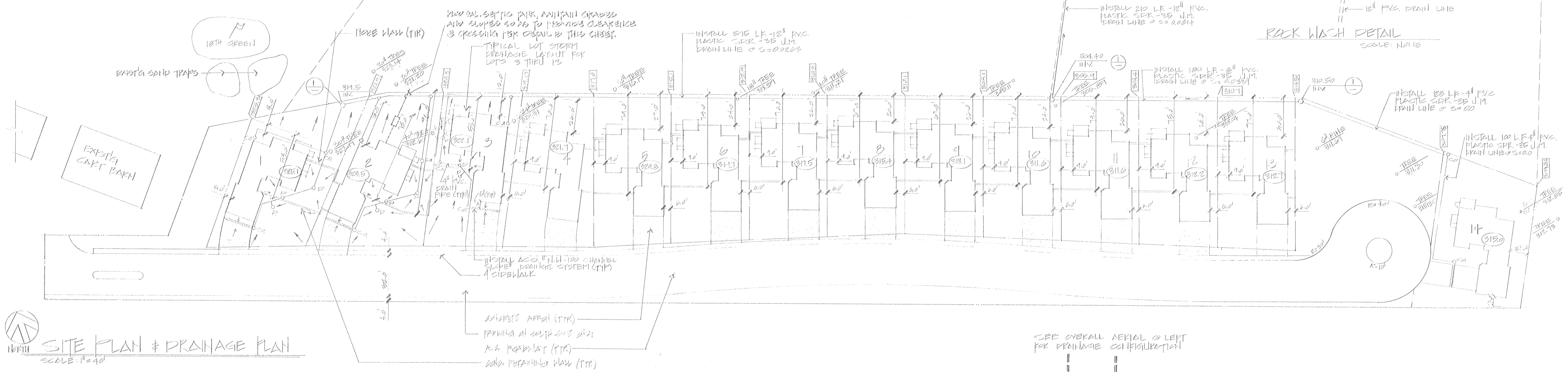
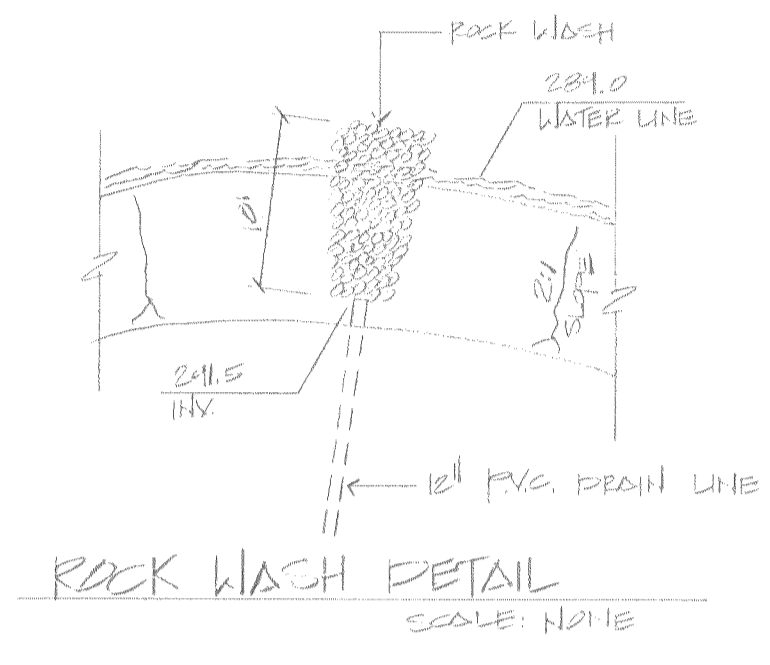
- NOTES:**
1. ALL ROOF DRAIN DOWNSPOUTS ARE TO BE CONNECTED TO MAIN STREET DRAINAGE LINE.
 2. ALL CLEAN UPS ARE TO BE DOUBLE SHEETS, PAINTED AND CAPPED.
 3. ALL "FRONT YARD" LANDSCAPE AREAS ARE TO BE GRADED TO PERMIT DRAINAGE SHOWN ON PLAN.

LEGEND

- 30.0 INDICATES CLEAN-OUT
- 30.1 INDICATES 1/2" DIA DRAIN WASTE
- 30.15 INDICATES FINISH PAD ELEVATION
- 30.17 INDICATES FINISH REAR LOT ELEVATION
- 30.12 INDICATES EXIST'G GROUND ELEVATION



LEACH FIELD AREA
 4.28 AC.
 REFER TO SAN JOAQUIN COUNTY INSTRUMENT NO. 22012024 FOR DIMENSIONED LAYOUT.

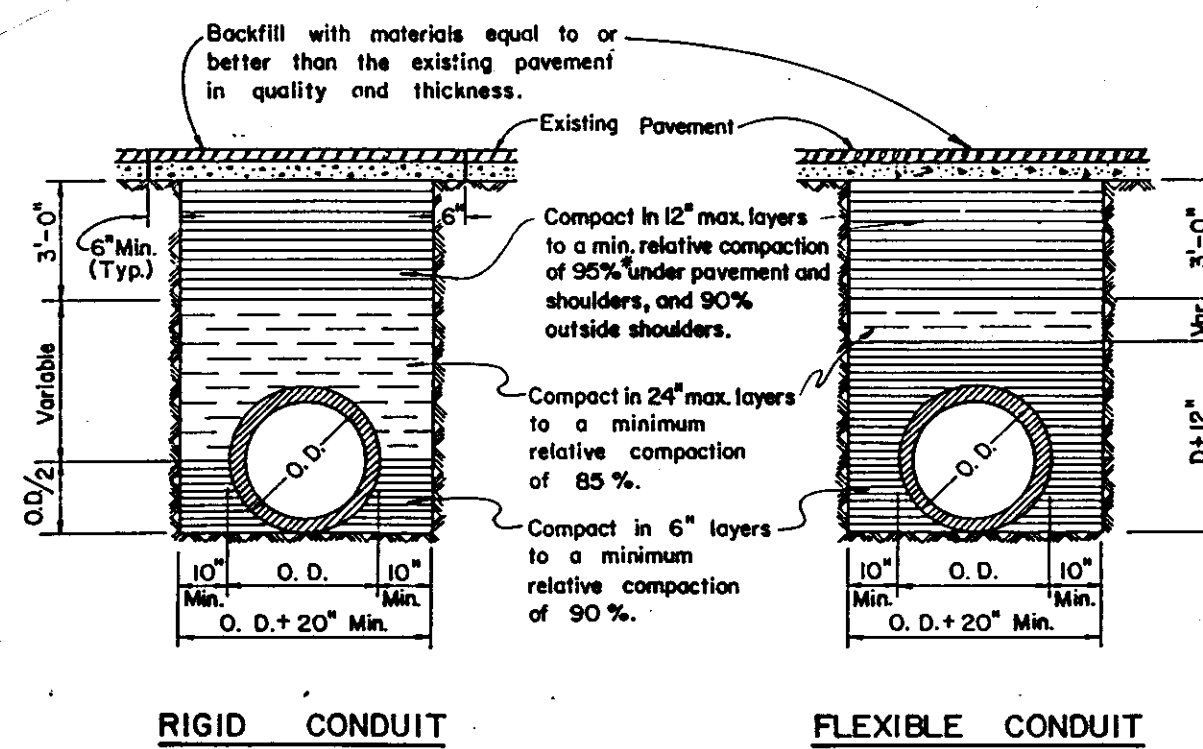


DATE	REVISIONS	BY	APP'D
10/2/80	REVISED DRAINAGE	STAFF	
10/2/80	ADD EMERGENCY ACCESS	STAFF	

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1967
 SAN JOAQUIN COUNTY CALIFORNIA

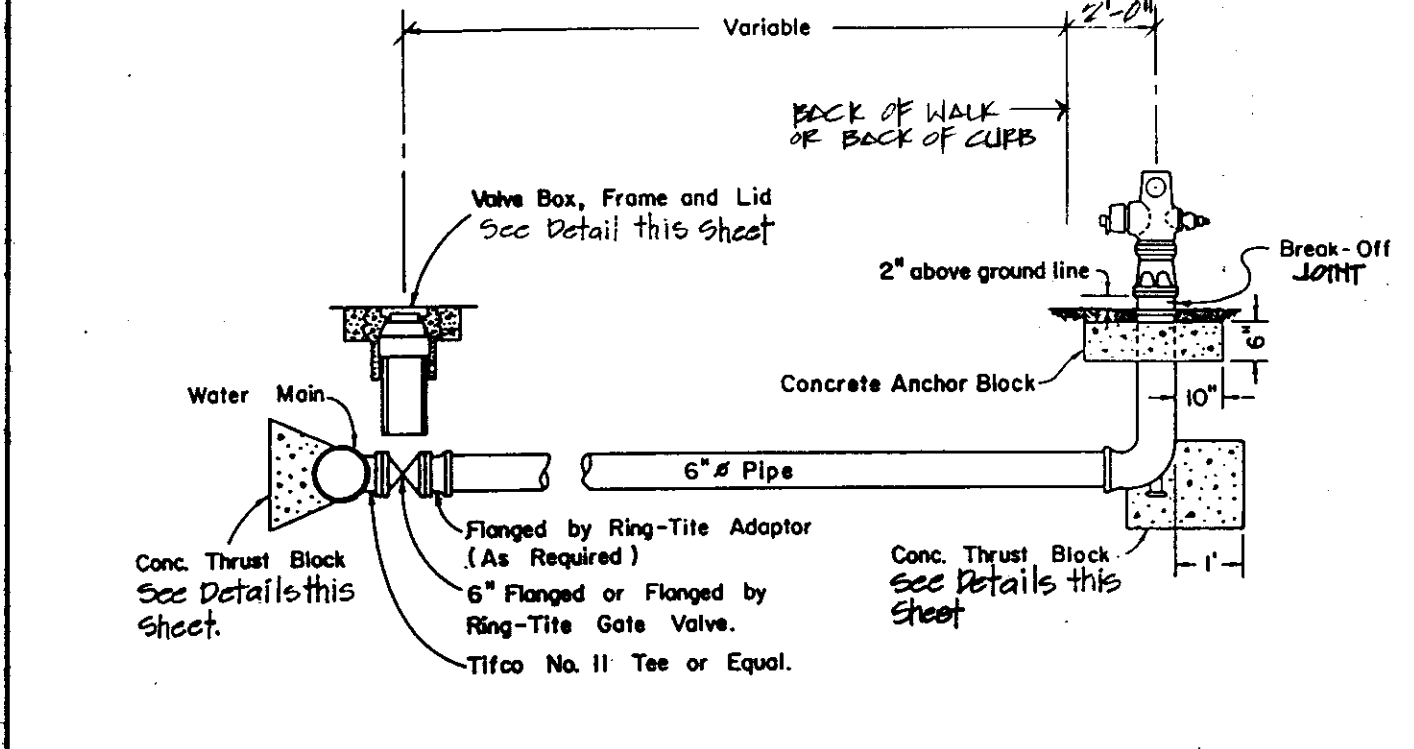
SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95336
 (209) 239-4908

DATE	JAN. 1986
DRAWN BY	STAFF
CHECKED BY	
JOB NO.	82-130
SHEET	10
OF	19 SHEETS

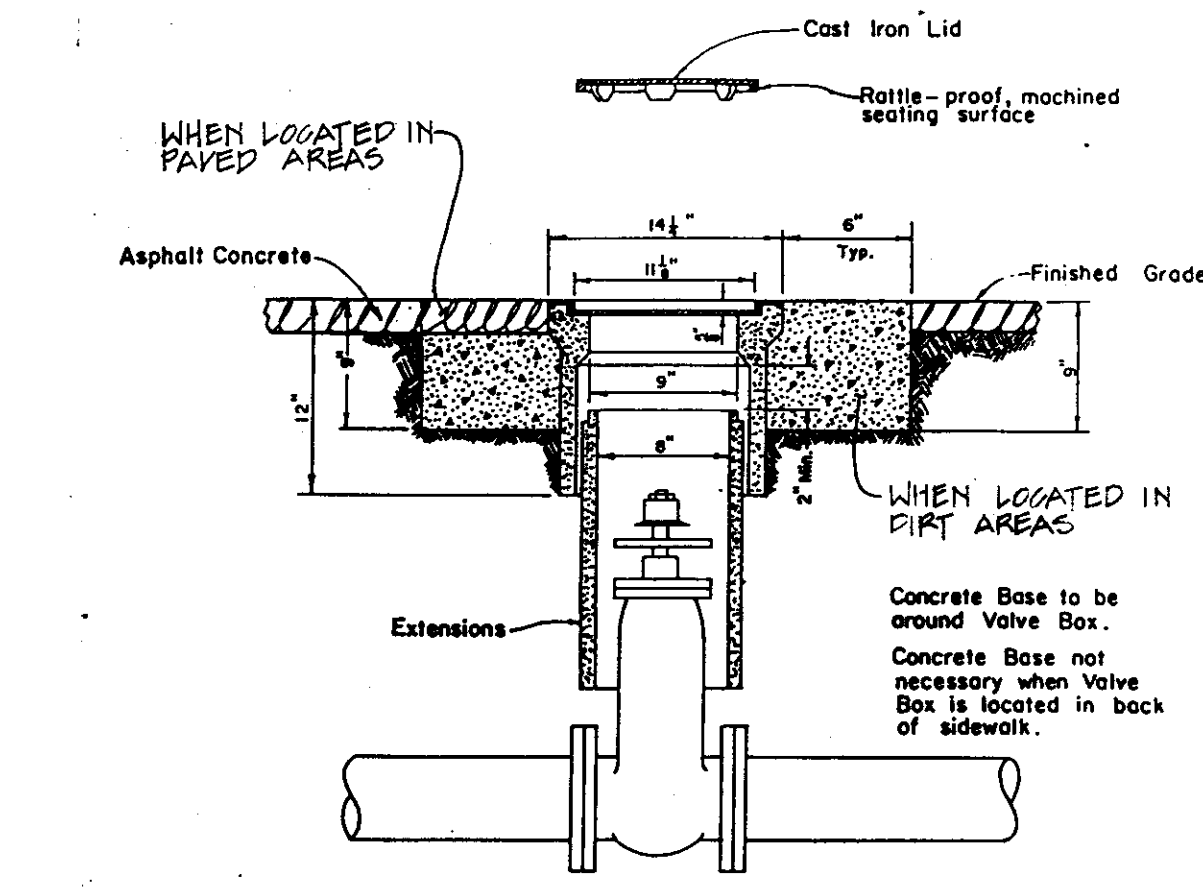


RIGID CONDUIT **FLEXIBLE CONDUIT**

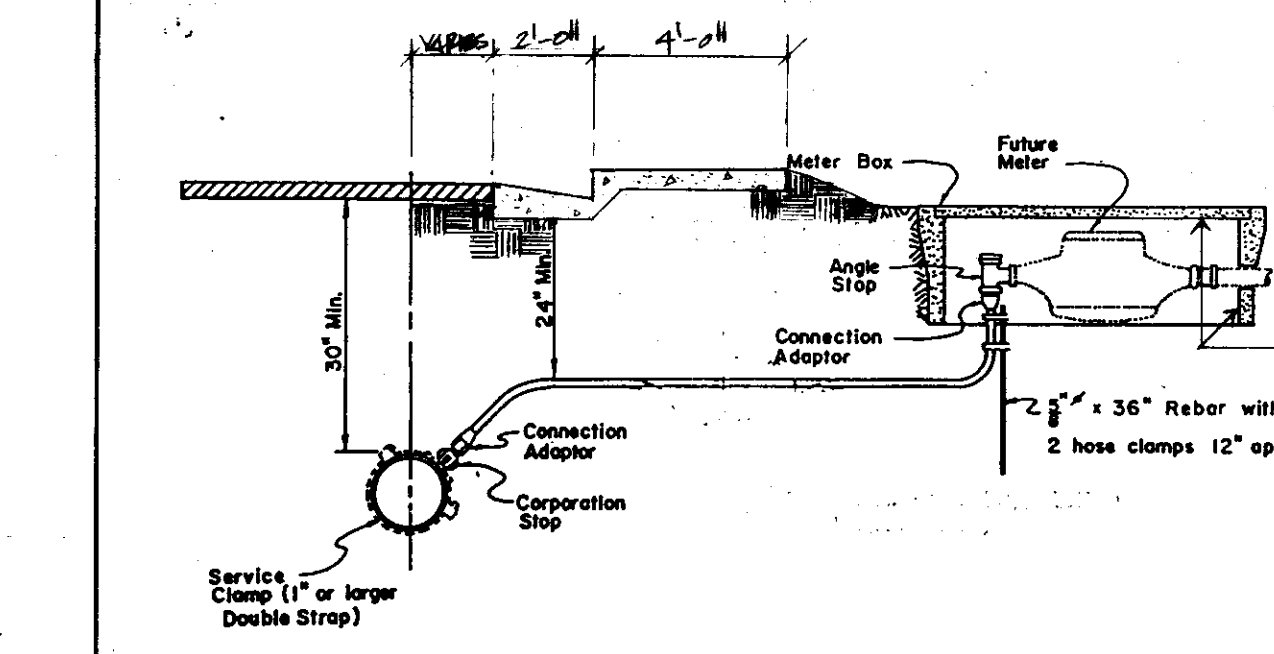
NOTES:
 1. Relative compaction of materials shall be tested by the State of California, Dept. of Transportation Testing Manual, test method No. California 216 or 231.
 2. All existing pavement shall be sealed cut to line prior to trench excavation.
 3. Jetting or ponding will be permitted within the street Right of Way with 3 year bond.
 4. *When shown by soil composition and compaction, ninety percent (90%) compaction may be used, when approved by the Director of Public Works.



NOTES:
 1. Fire Hydrants shall be placed with $\frac{1}{2}$ " outlet facing directly towards the street.
 2. Fire Hydrants shall be clean and free of concrete.
 3. Residential Fire Hydrant to be AMERICAN PIPE MODEL B-22 B PRESSURE M.H. STYLE PER "PELANT" MANUFACTURER OR "MAYNARD CENTENNIAL" OR APPROVED EQUAL. (8" DIA. & 1-1/2" R.C.P.)
 * Or other size as required by the local Fire District.
 * ALL HYDRANTS SHALL BE PAINTED OSHA SAFETY YELLOW AS REQUIRED BY LOCAL FIRE DISTRICTS.



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



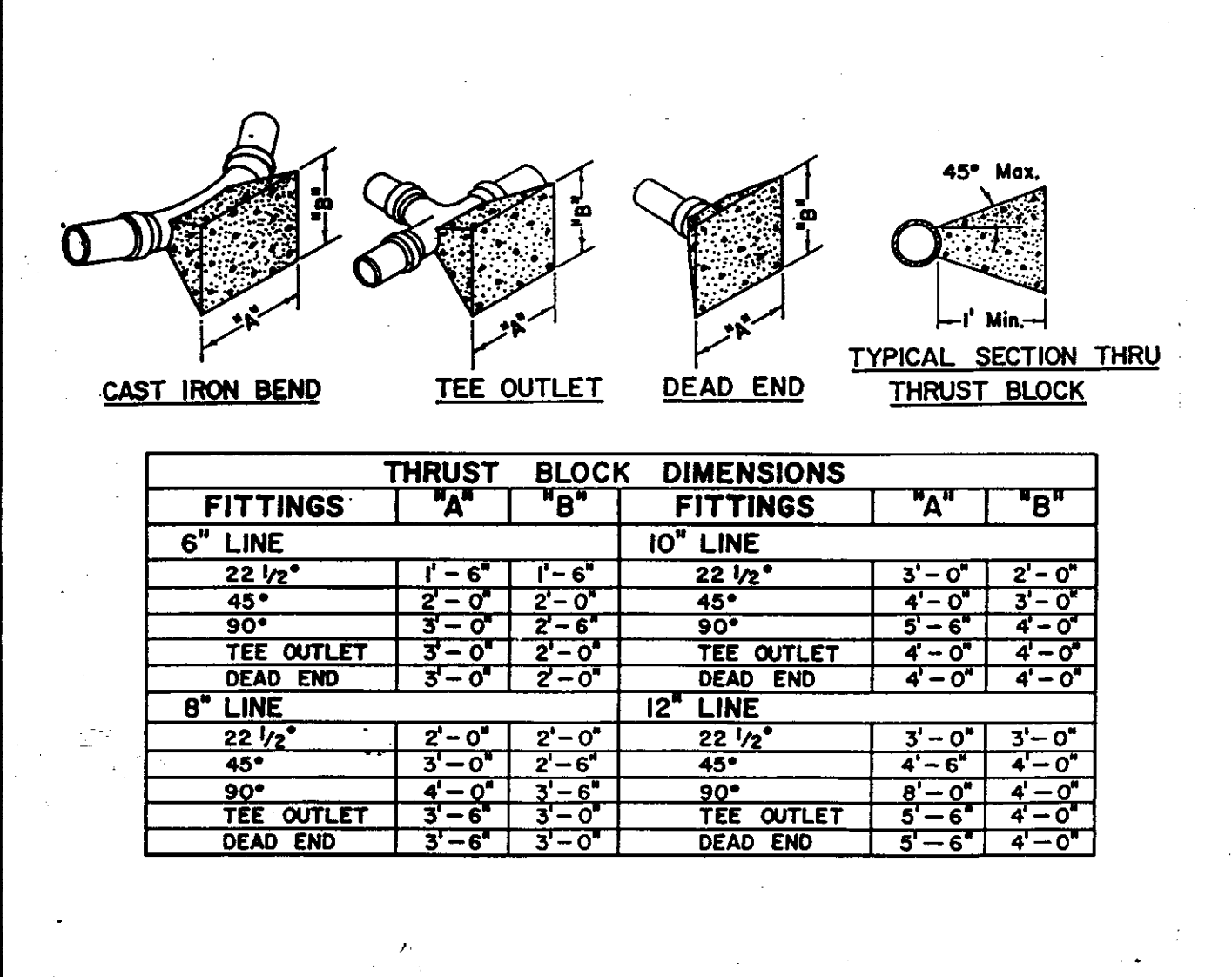
NOTES:
 1. Plastic pipe up to 1/2" I.D. service shall be ultra high molecular weight (UHMW) Polyethylene as manufactured by "Dortco" or approved equal with minimum pressure rating of 160 psi.
 2. Plastic pipe for 2" I.D. service shall be PB 2110 Polybutylene or approved equal with minimum pressure rating of 160 psi.
 3. Corporation stop shall have corporation cock threads.
 4. Angle stop shall have swivel nut and lock wings.
 5. Angle stop shall be vertically plumbed.
 6. Size of service line shall be as required by the County.
 7. Mueller Insta-Ita connection shall conform to ASTM Designation D 2239.

1 TYPICAL TRENCH BACKFILL DETAILS HTS.

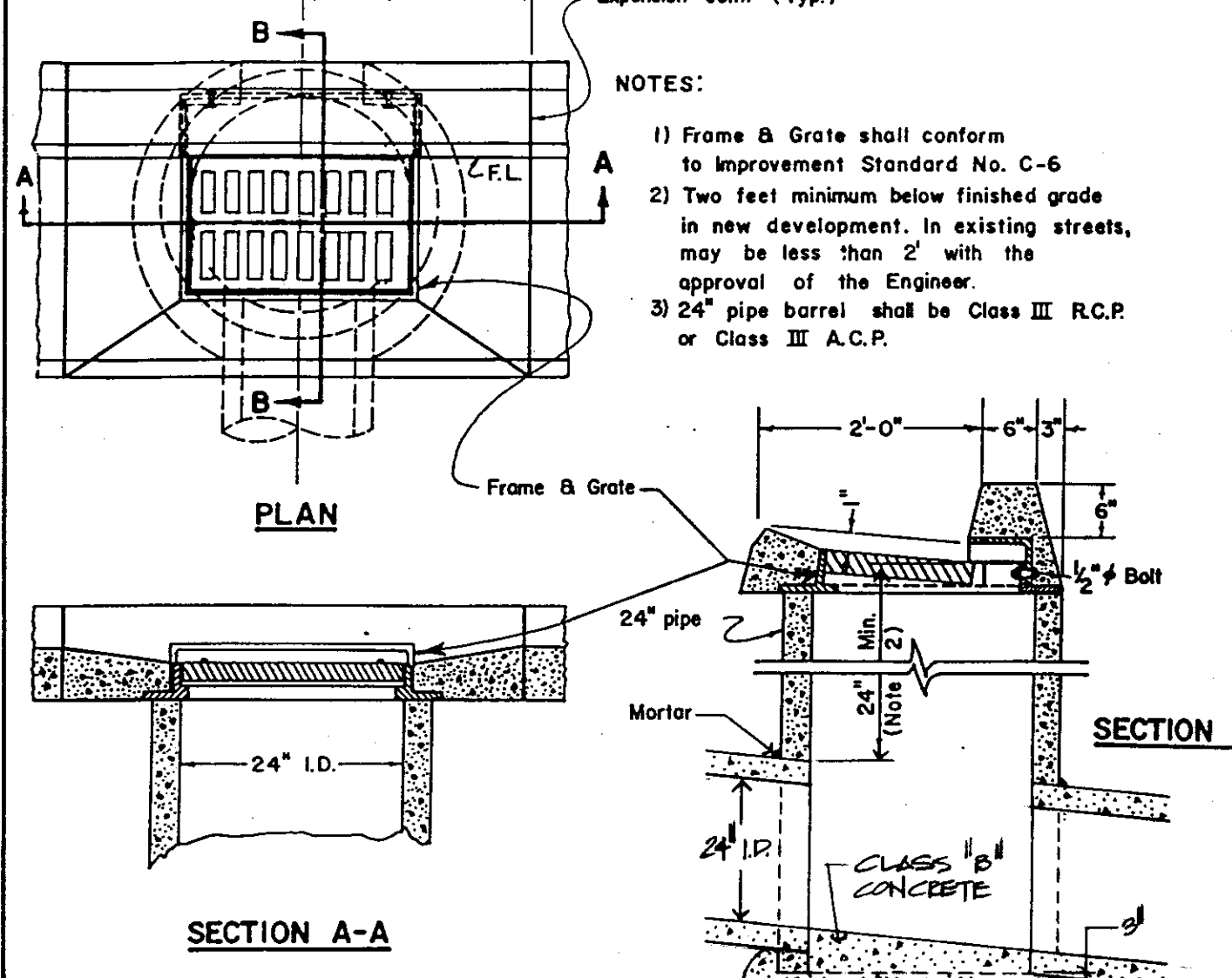
2 FIRE HYDRANT DETAIL HTS.

3 VALVE BOX DETAIL HTS.

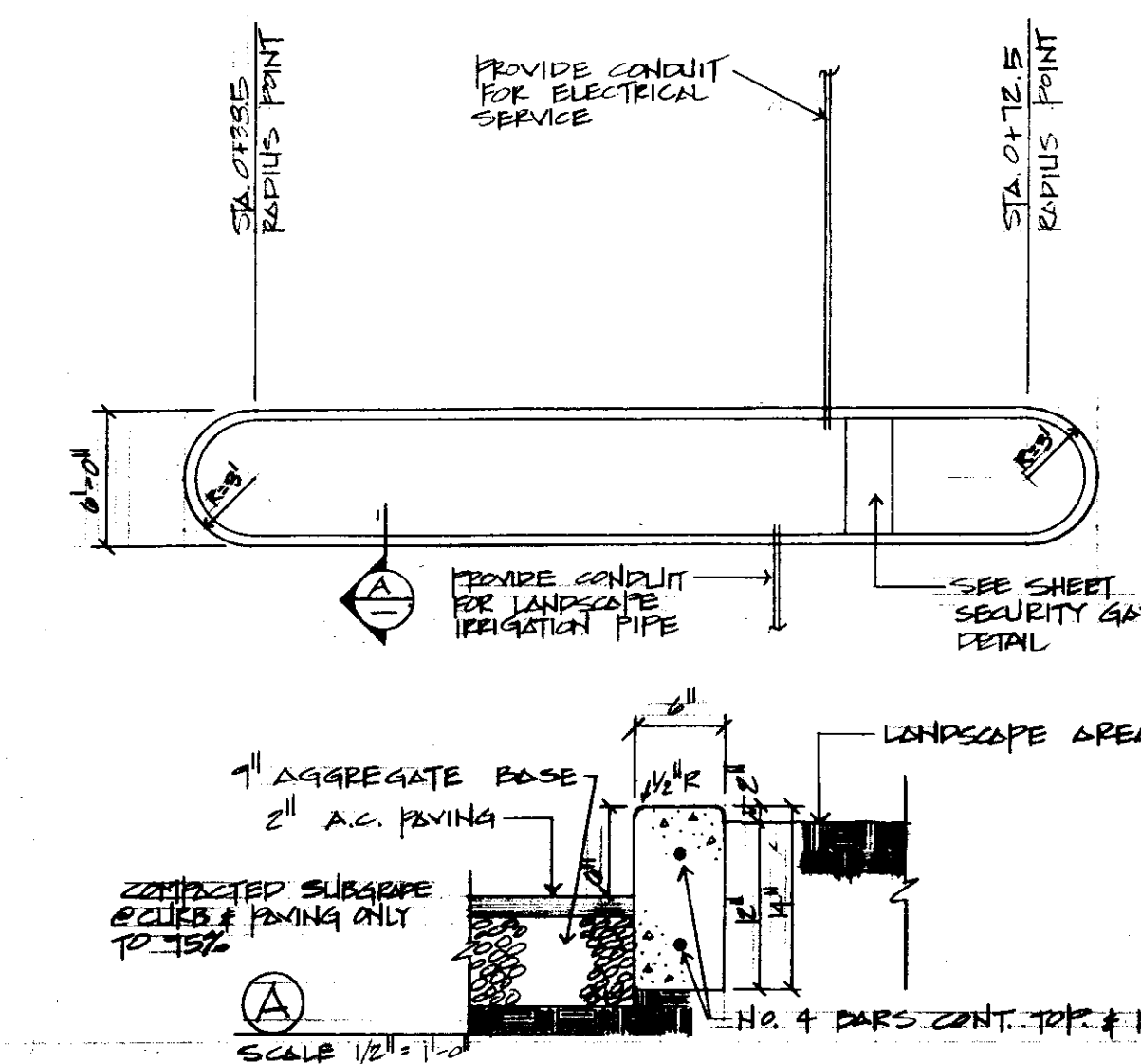
4 WATER SERVICE DETAIL HTS.



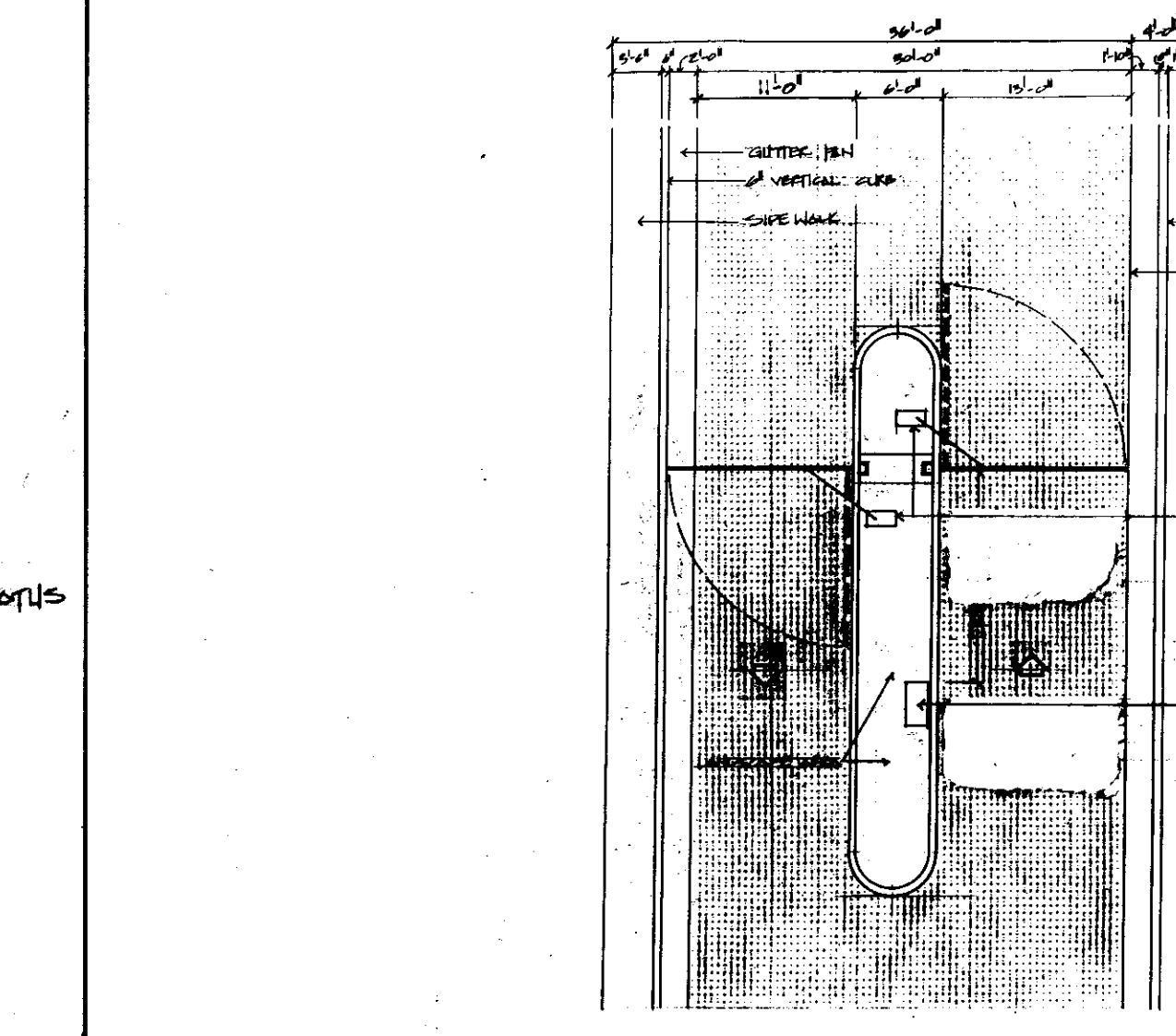
5 THRUST BLOCK DETAILS HTS.



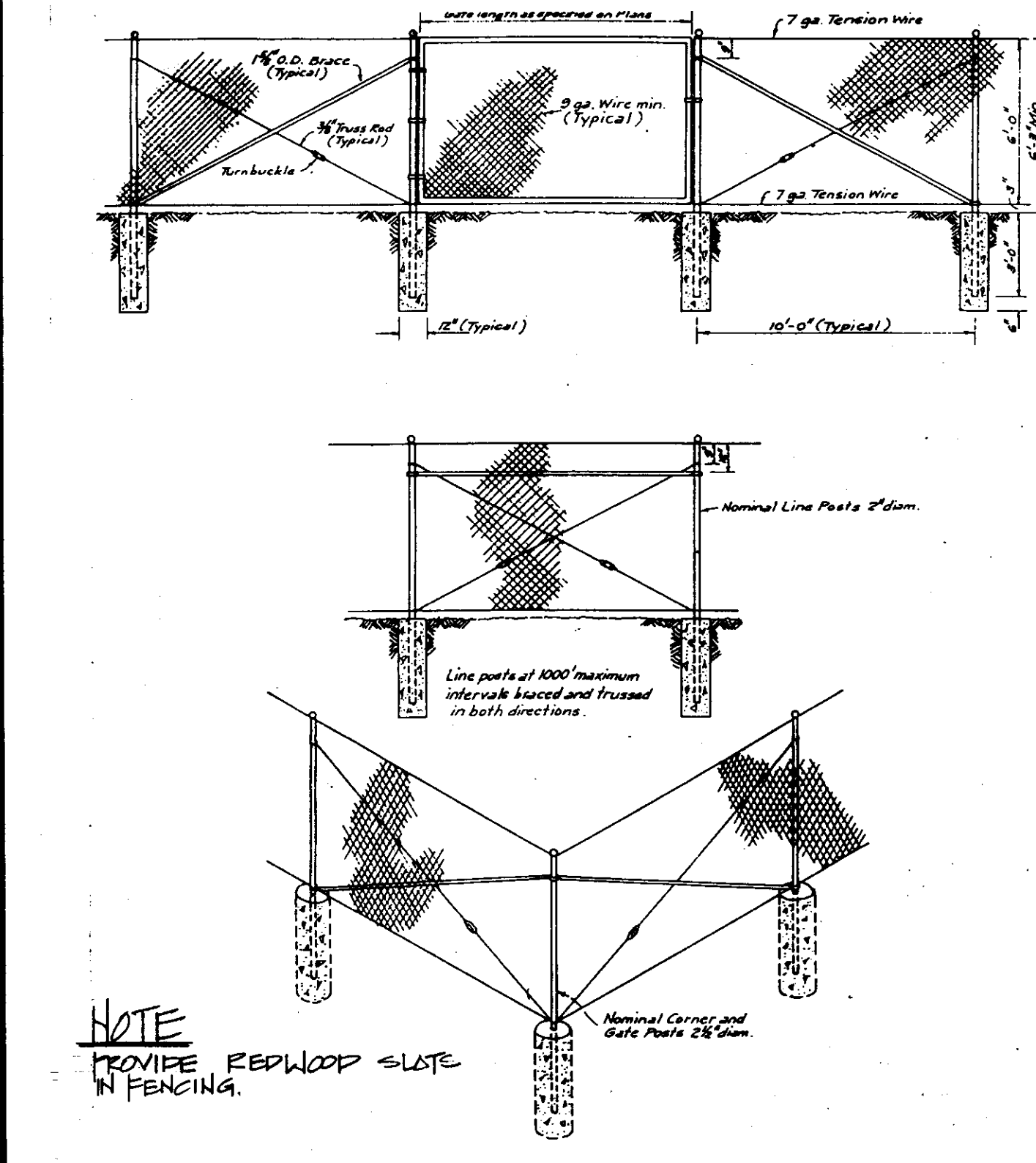
6 DRAIN INLET DETAIL HTS.



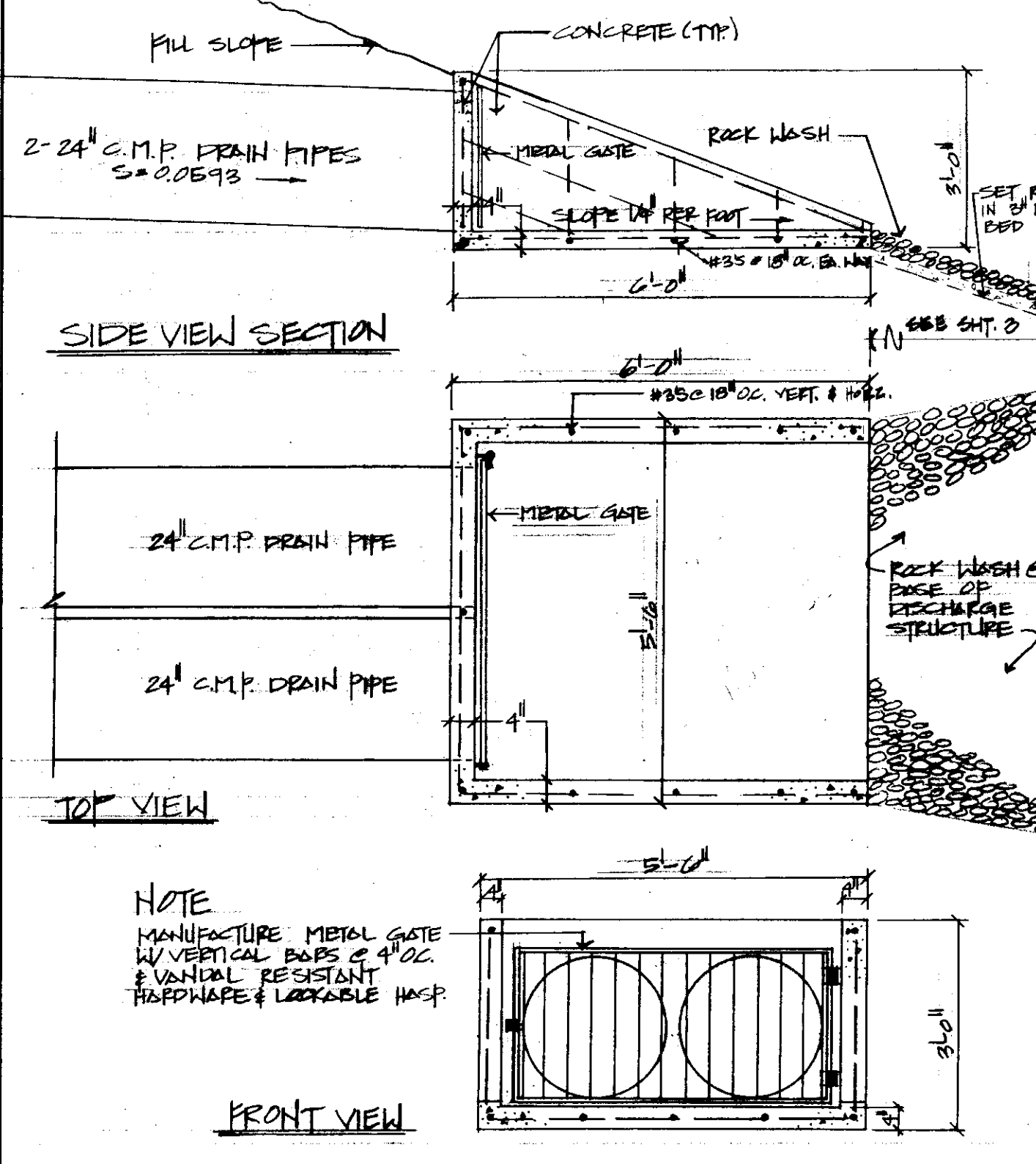
7 ENTRANCE ISLAND DETAIL SCALE: 1/8" = 1'-0"



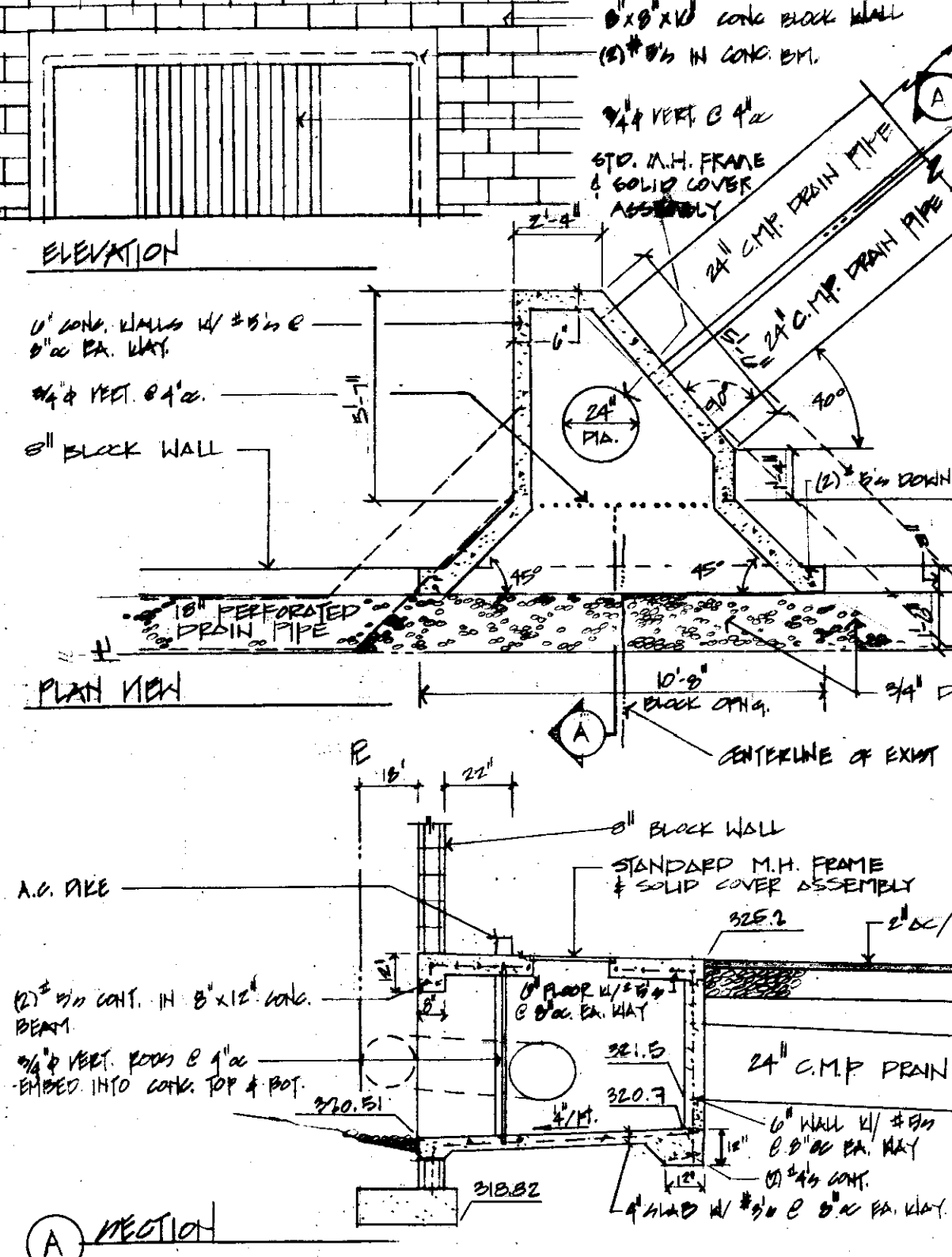
8 SECURITY GATE APPARATUS DETAIL HTS.



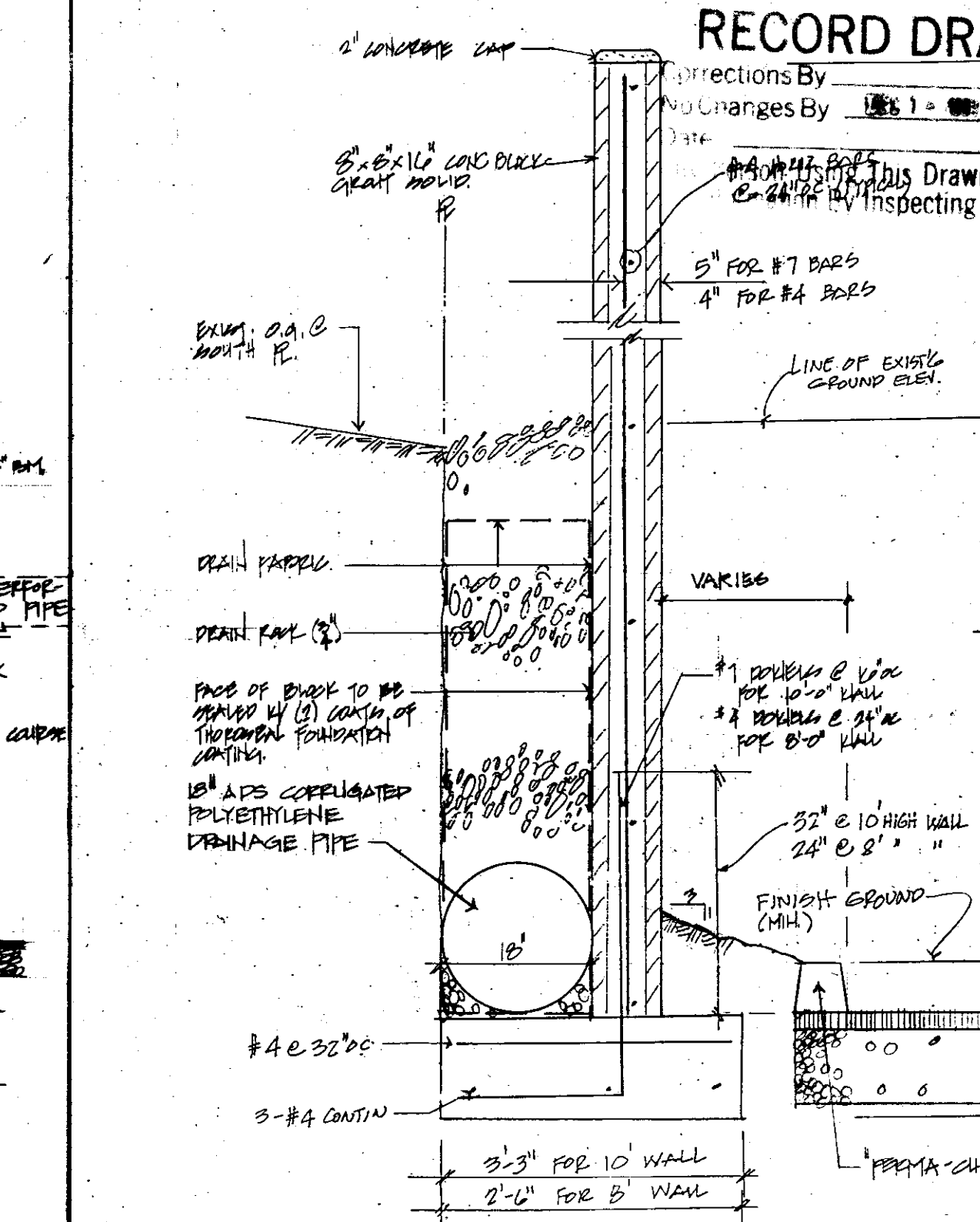
9 FENCE DETAIL HTS.



10 DISCHARGE STRUCTURE DETAIL SCALE: 1/8" = 1'-0"



11 INLET STRUCTURE DETAIL SCALE: 1/8" = 1'-0"



12 BLOCK WALL & PERFORATED PIPE DETAIL SCALE: 1/8" = 1'-0"

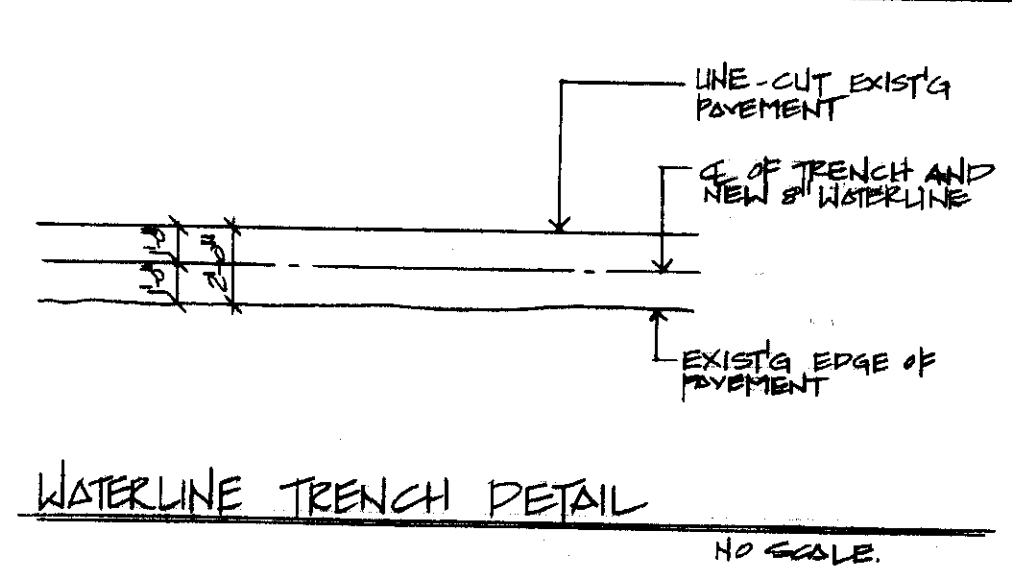
APPROVED BY	
DESIGNED BY	
DATE	10.31.86
REVISIONS	
1	DISCHARGE INLET STRUCTURE DETAIL
2	BLOCK WALL DETAIL
3	STAIR CASE
4	STAIR CASE

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1967
 SAN JOAQUIN COUNTY CALIFORNIA

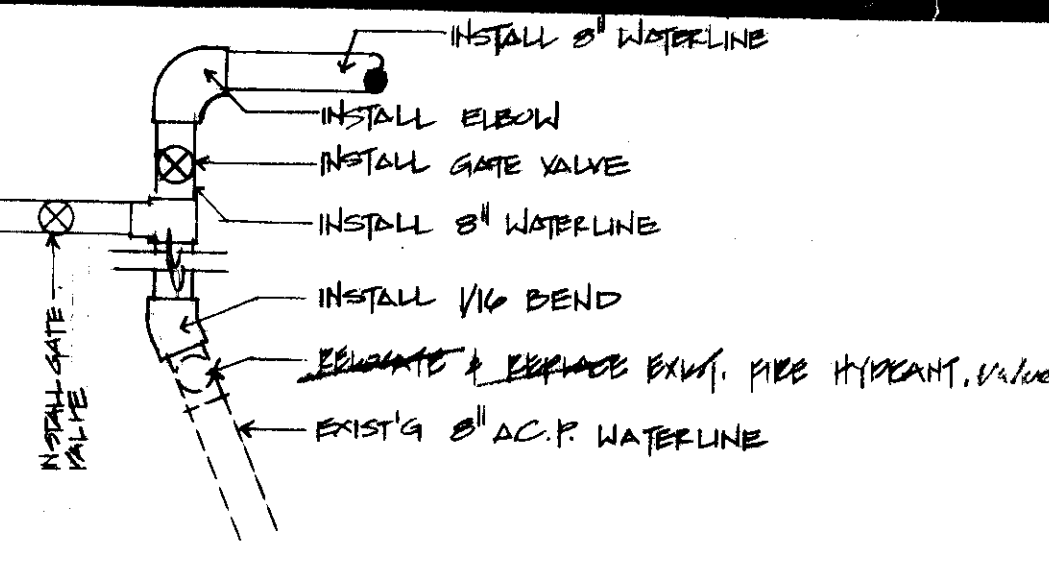
SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95336
 (209) 239-4908

DATE	6-24-80
DRAWN BY	STAFF
CHECKED BY	M.R.
JOB NO.	83-120
SHEET	9
OF	19 SHEETS

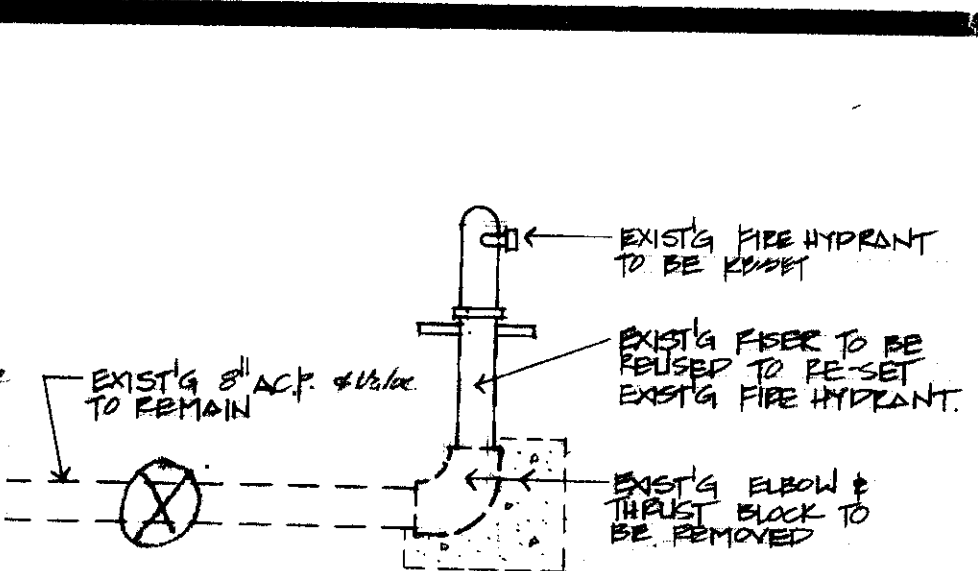
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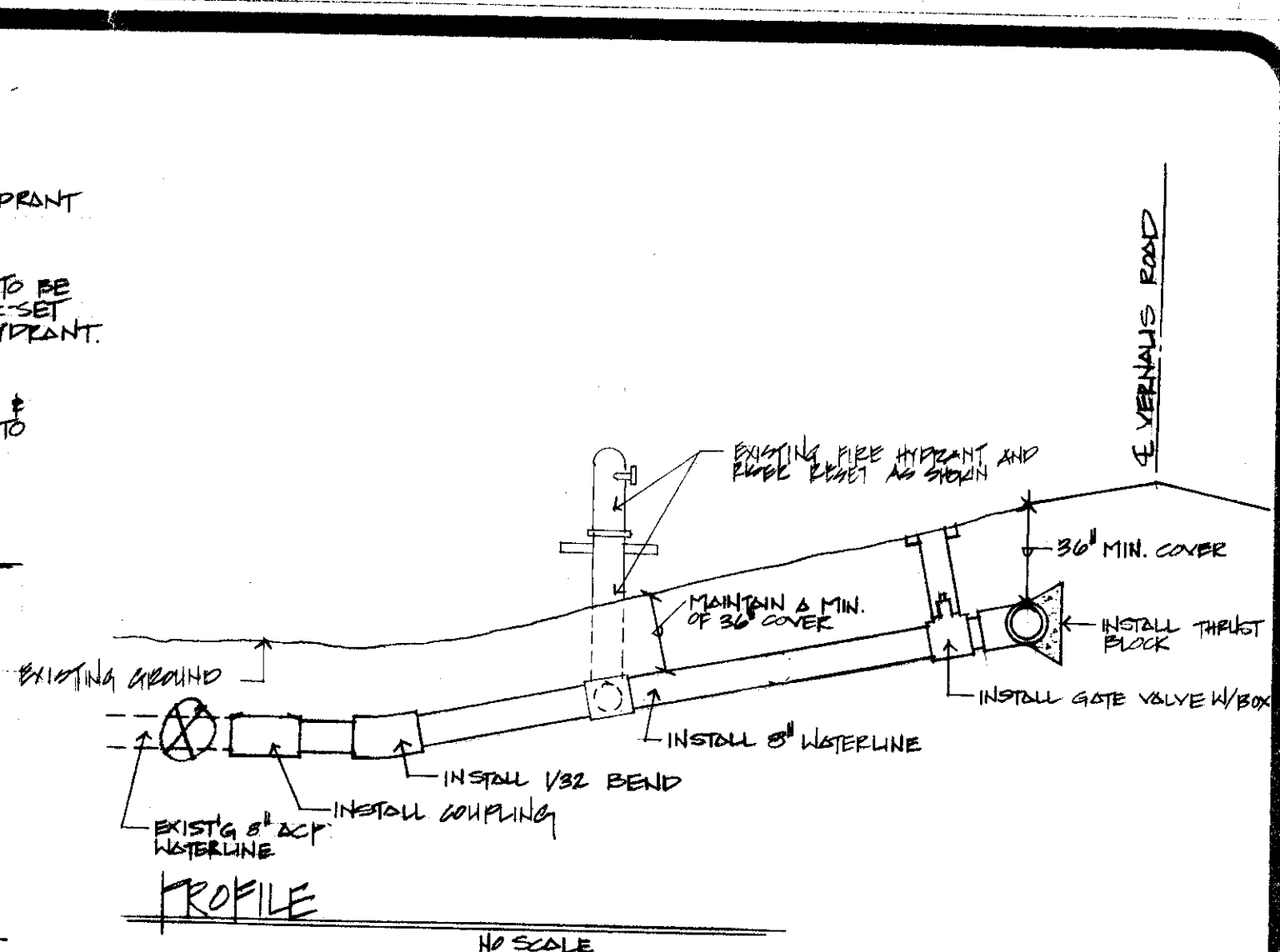
WATERLINE TRENCH DETAIL
NO SCALE



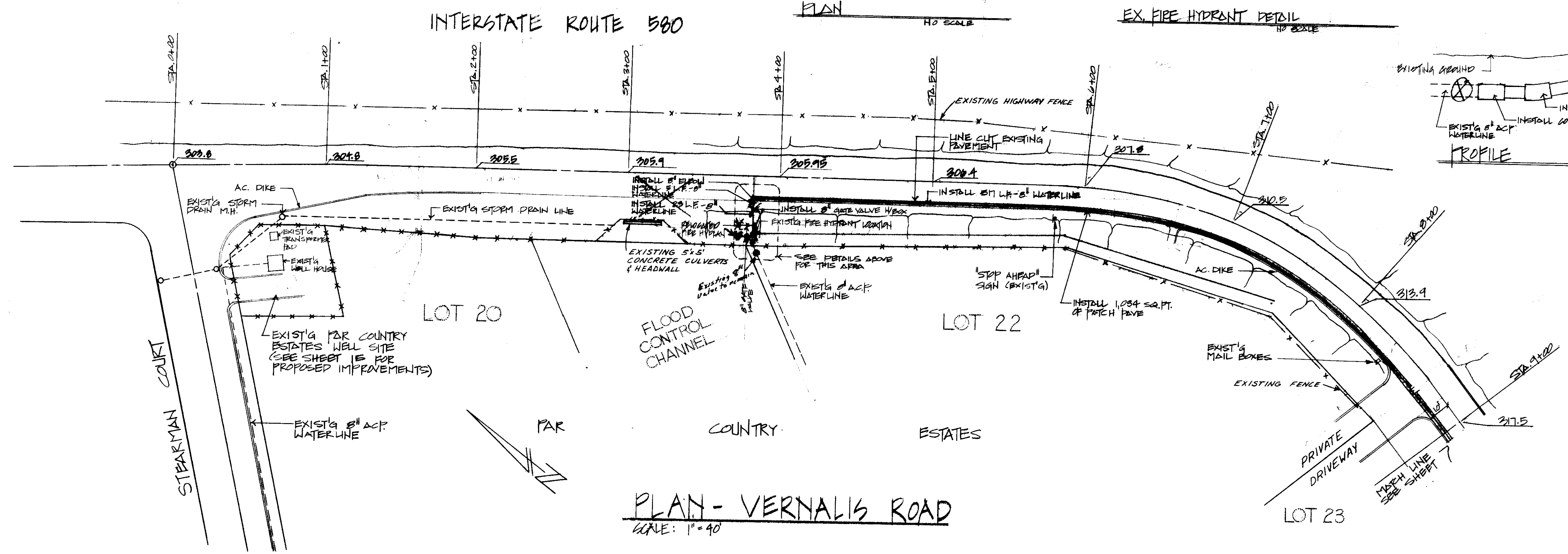
PLAN
NO SCALE



EX FIRE HYDRANT DETAIL
NO SCALE

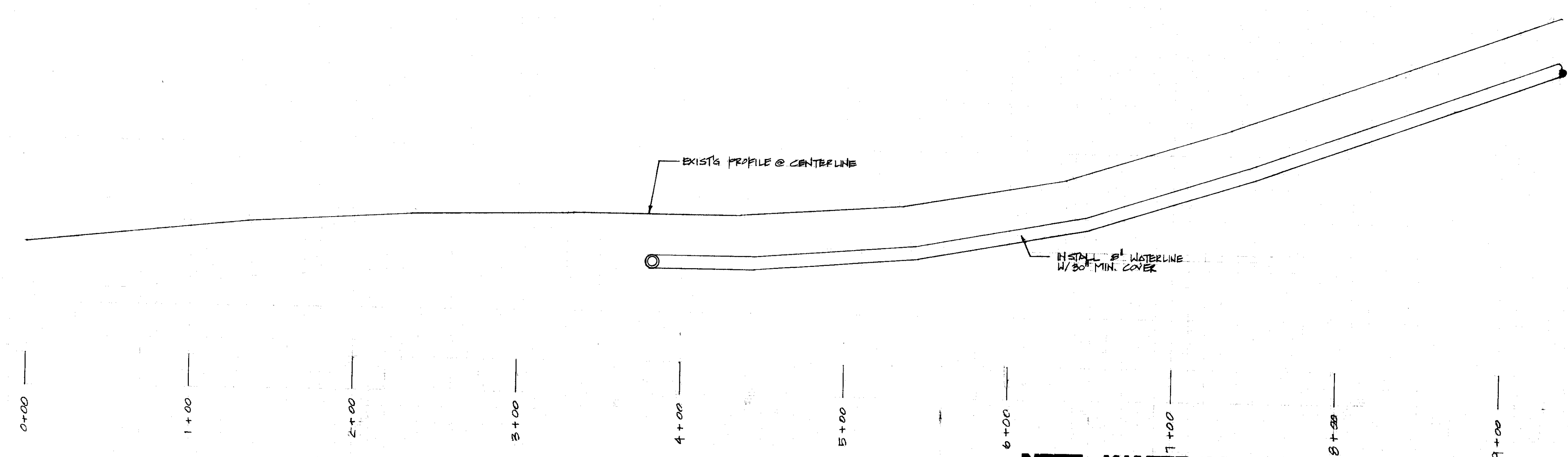
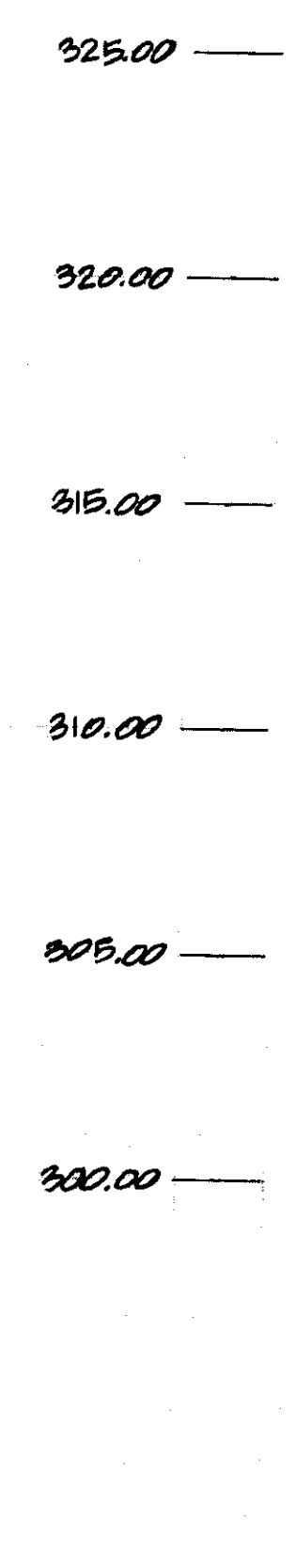


PROFILE
NO SCALE



PLAN - VERNALIS ROAD
SCALE: 1" = 40'

- Notes:
1. NOTIFY SAN JOAQUIN COUNTY UTILITY MAINTENANCE DEPT. PRIOR TO CONSTRUCTION OF WATER LINE.
 2. MAINTAIN PERMANENT OPENING OF EXIST. DRIVEWAY.
 3. REPAIR EXIST. DRIVEWAY TO ORIGINAL OR BETTER CONDITION.



NOTE: WATER LINE INSTALLATION APPLIES TO OPTION 1 ONLY.

RECORD DRAWING
 Corrected by: P. Schack & Quartaroli
 No Changes by: P. Schack & Quartaroli
 Date: DEC 14 1986
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Of Work.

SCALE: 1" = 40' HORIZONTAL
 1" = 4' VERTICAL

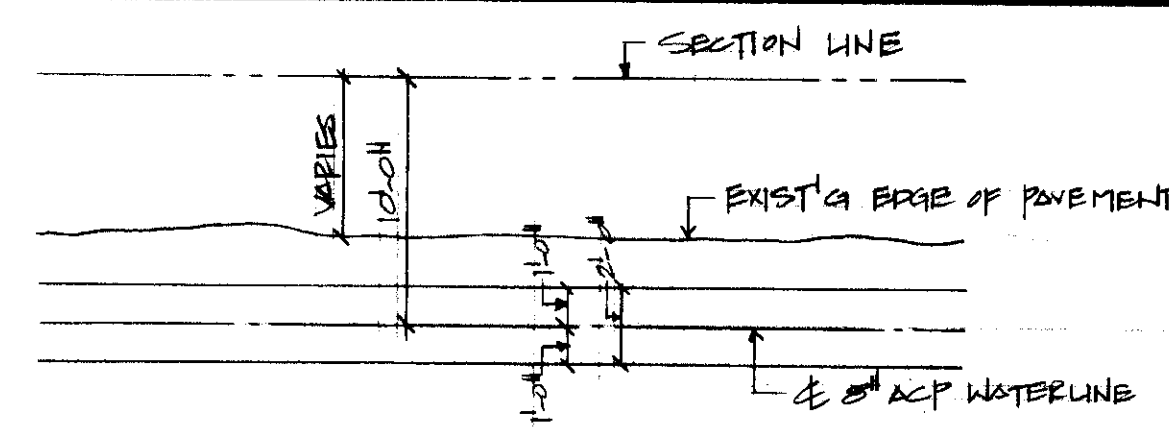
DATE	BY	REVISIONS
12/14/86	STAFF	OPTION 1 WATER LINES AND FIRE HYDRANT

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1967
 SAN JOAQUIN COUNTY CALIFORNIA

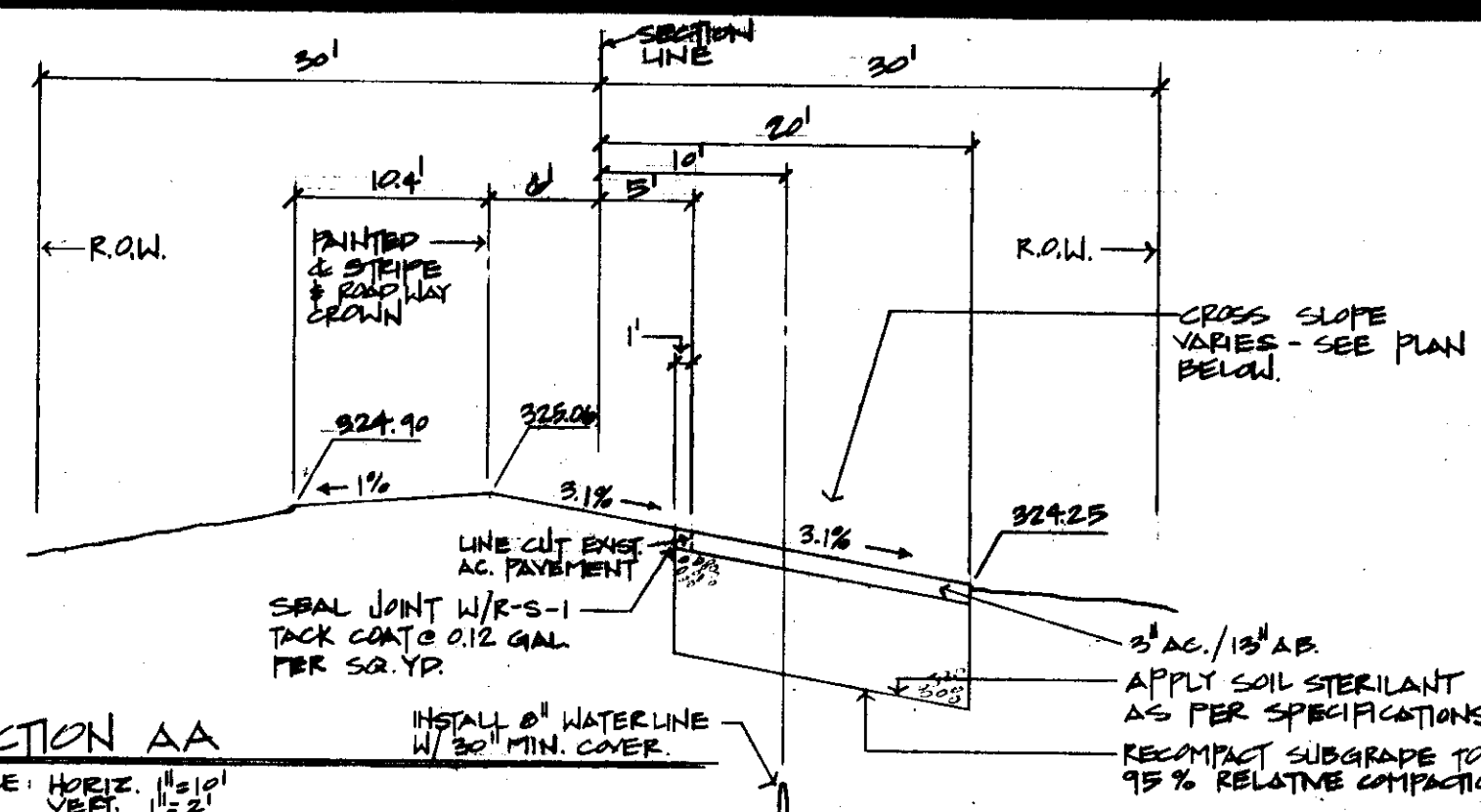
SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95336
 (209) 239-4908

DATE	JUN 1986
DRAWN BY	STAFF
CHECKED BY	
SHEET NO.	89-120
SHEET	8

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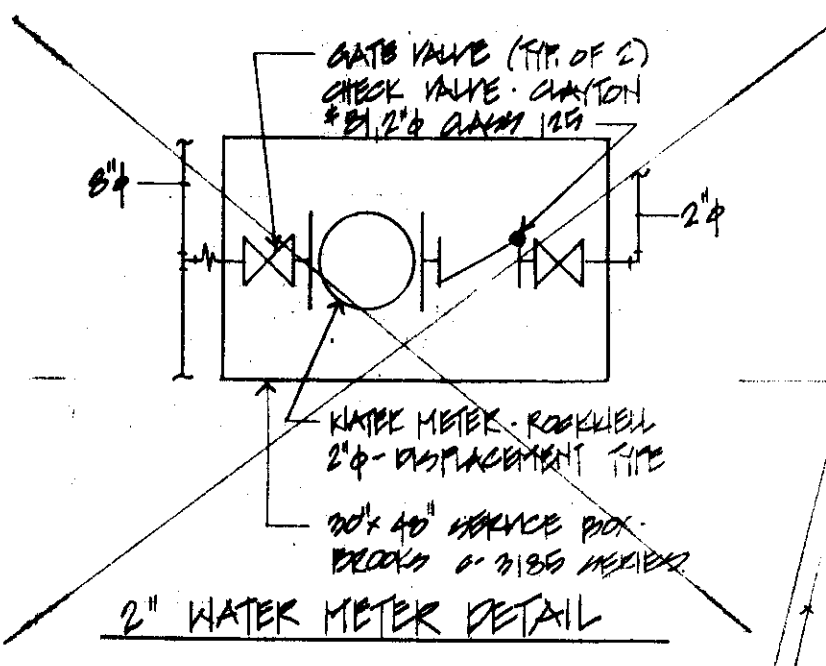


WATERLINE TRENCH DETAIL
NO SCALE

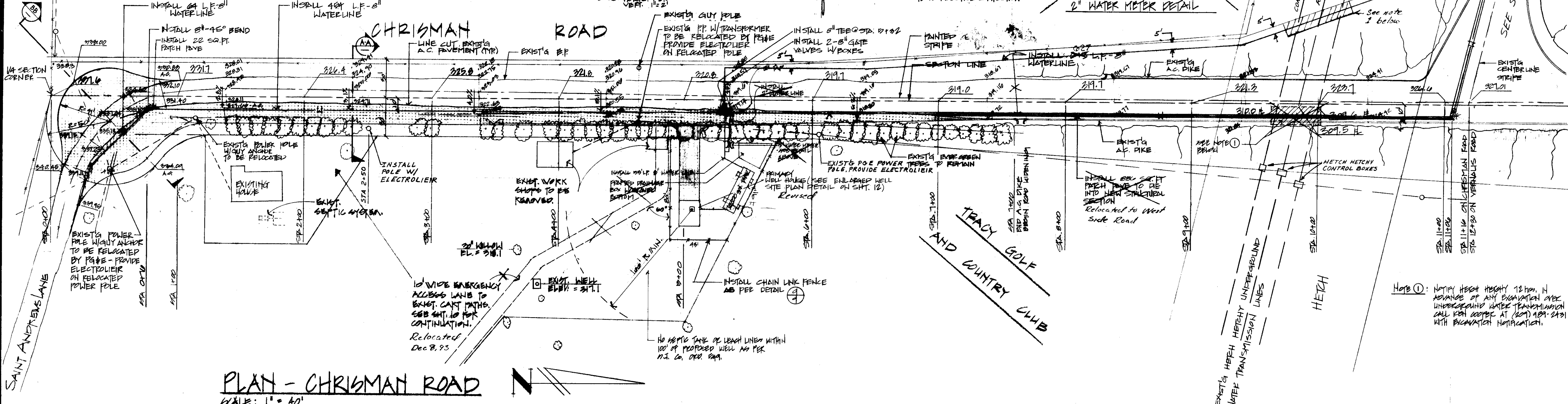


SECTION AA
SCALE: HORIZ. 1"=20'
VERT. 1"=2'

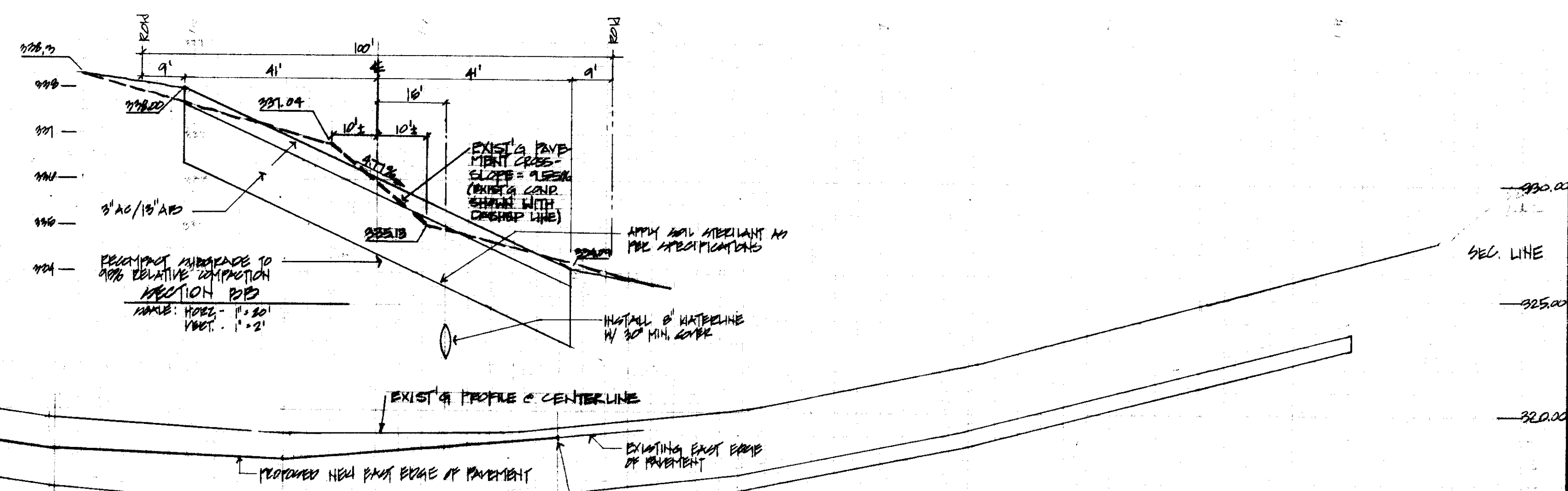
STREET NAME	TRAFFIC INDEX	SOIL R. VALUE	A.C. THICKNESS	LIFT	A.B. THICKNESS
CHRISMAN	6	9	3"	2"	13"



2" WATER METER DETAIL



PLAN - CHRISMAN ROAD
SCALE: 1" = 40'



RECORD DRAWING

Corrections By: P. Mack
 No Changes By: [Signature]
 Date: _____
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Of Work.
 Water line revisions per D. Schack, Notes Dated 8/24/88

SCALE: 1" = 40' HORIZ.
1" = 4' VERT.

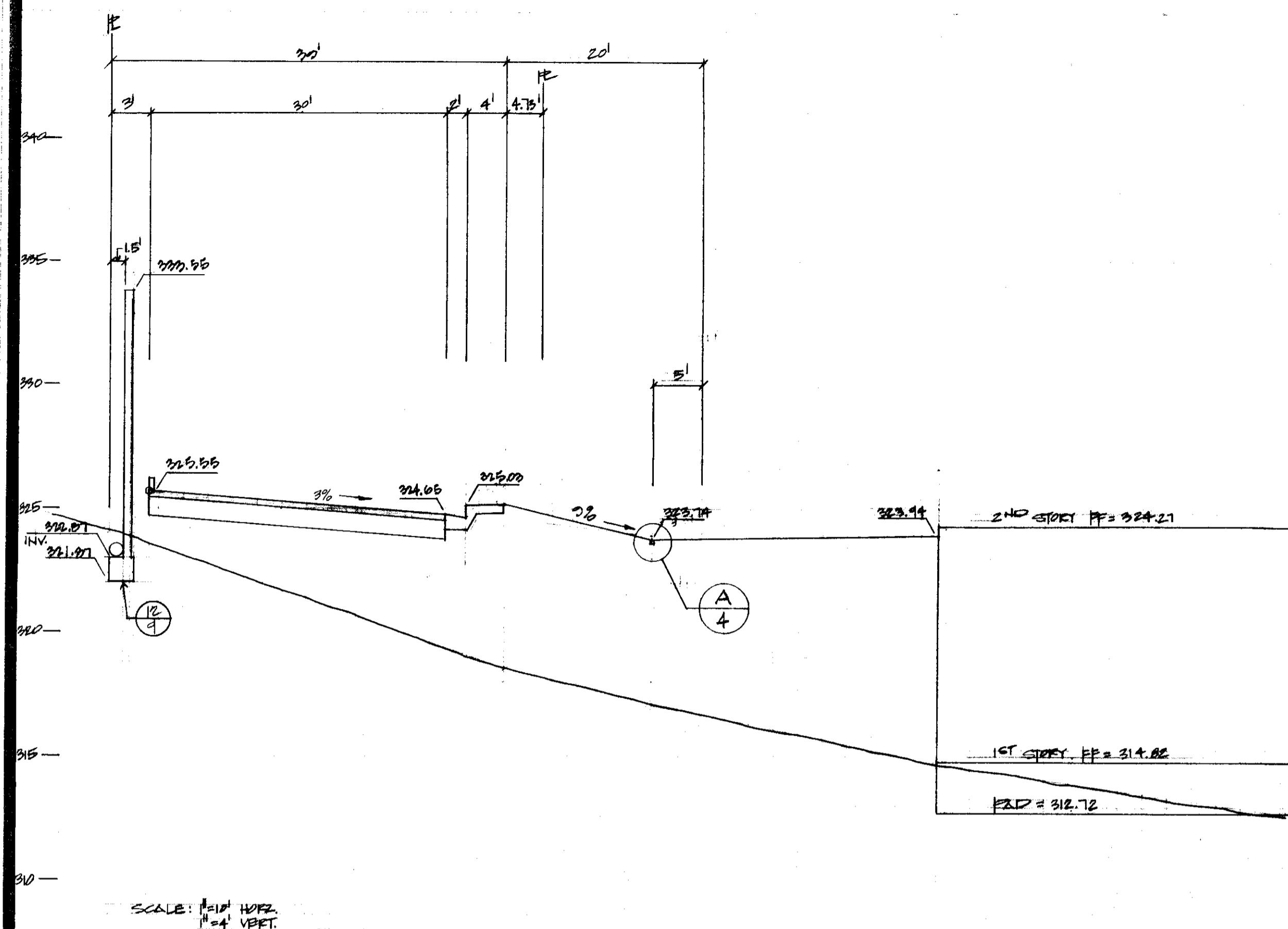
DATE: 10/21/86
 REVISIONS:
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IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1987
 SAN JOAQUIN COUNTY CALIFORNIA

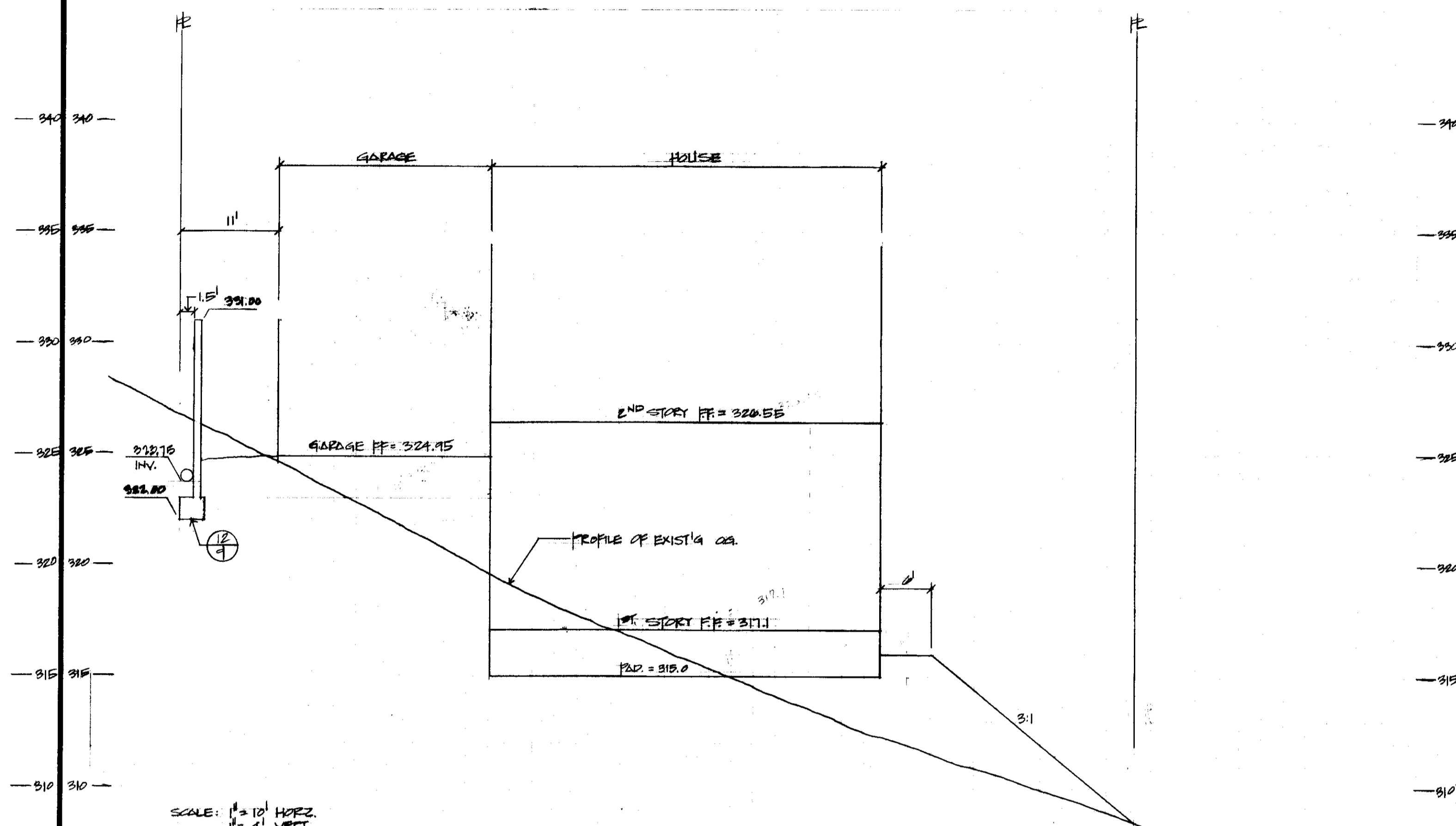
SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95236
 (209) 239-4908

DATE: JUN. 1986
 DRAWN BY: [Signature]
 CHECKED BY: [Signature]
 JOB NO: 88-120
 SHEET: 6
 OF 18 SHEETS

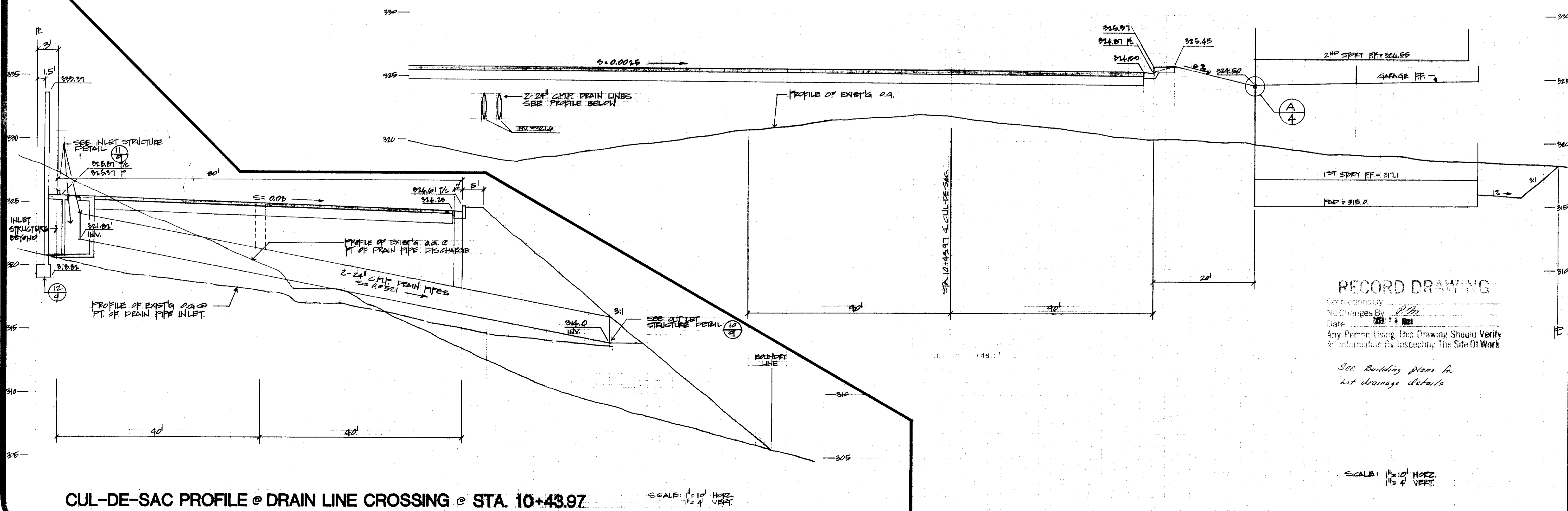
LOT 13 PROFILE @ Q DRIVEWAY @ STA. 9+66



LOT 14 PROFILE @ STA. 11+36.5



A LOT 14 & CUL-DE-SAC PROFILE @ Q DRIVEWAY



CUL-DE-SAC PROFILE @ DRAIN LINE CROSSING @ STA. 10+43.97

DATE: 10-31-86
 REVISIONS: 15BEE/PLM
 BY: 15BEE/PLM
 CLARIFY GRADES

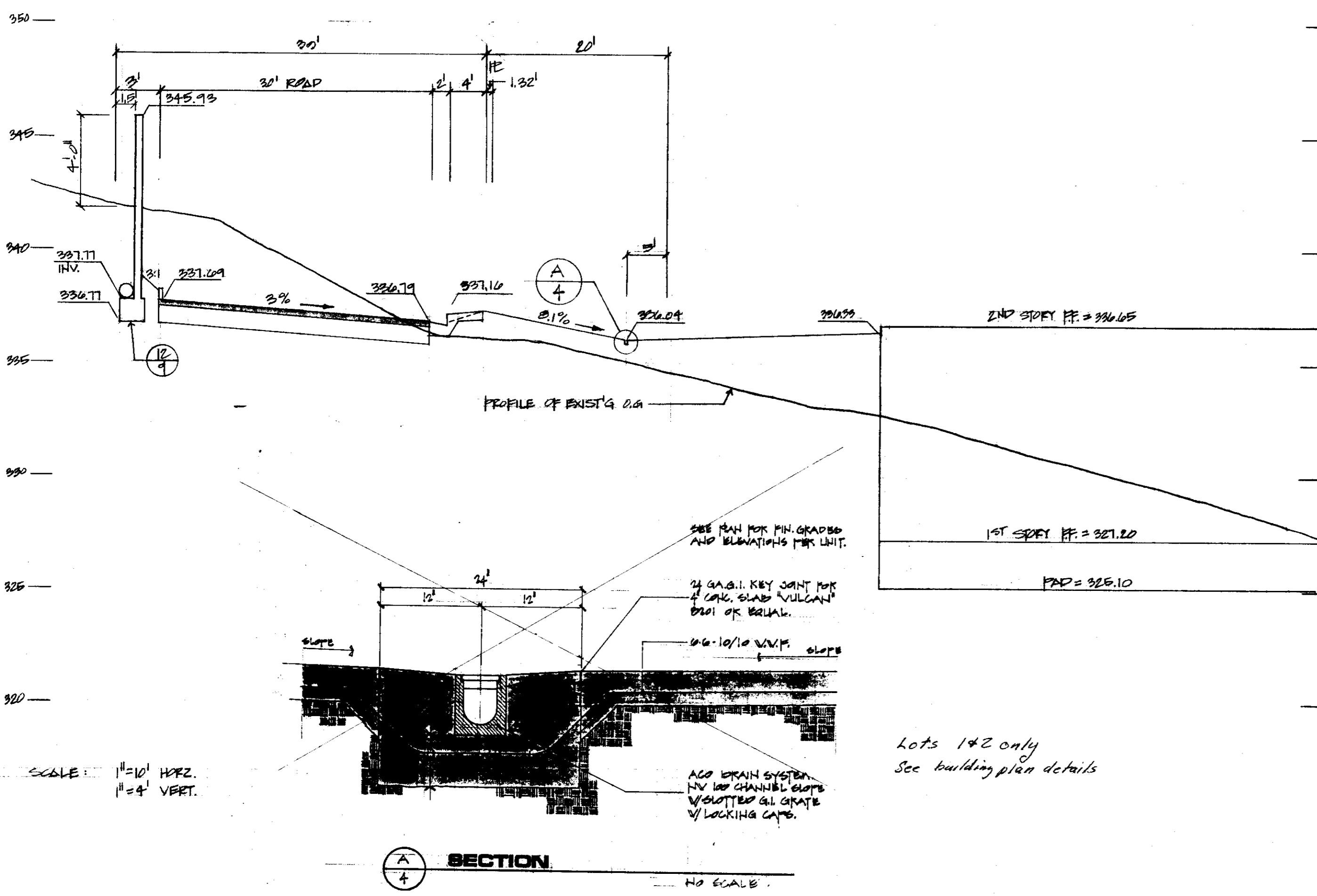
IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
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 SAN JOAQUIN COUNTY CALIFORNIA

SCHACK & QUARTAROLI
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 (209) 239-4908

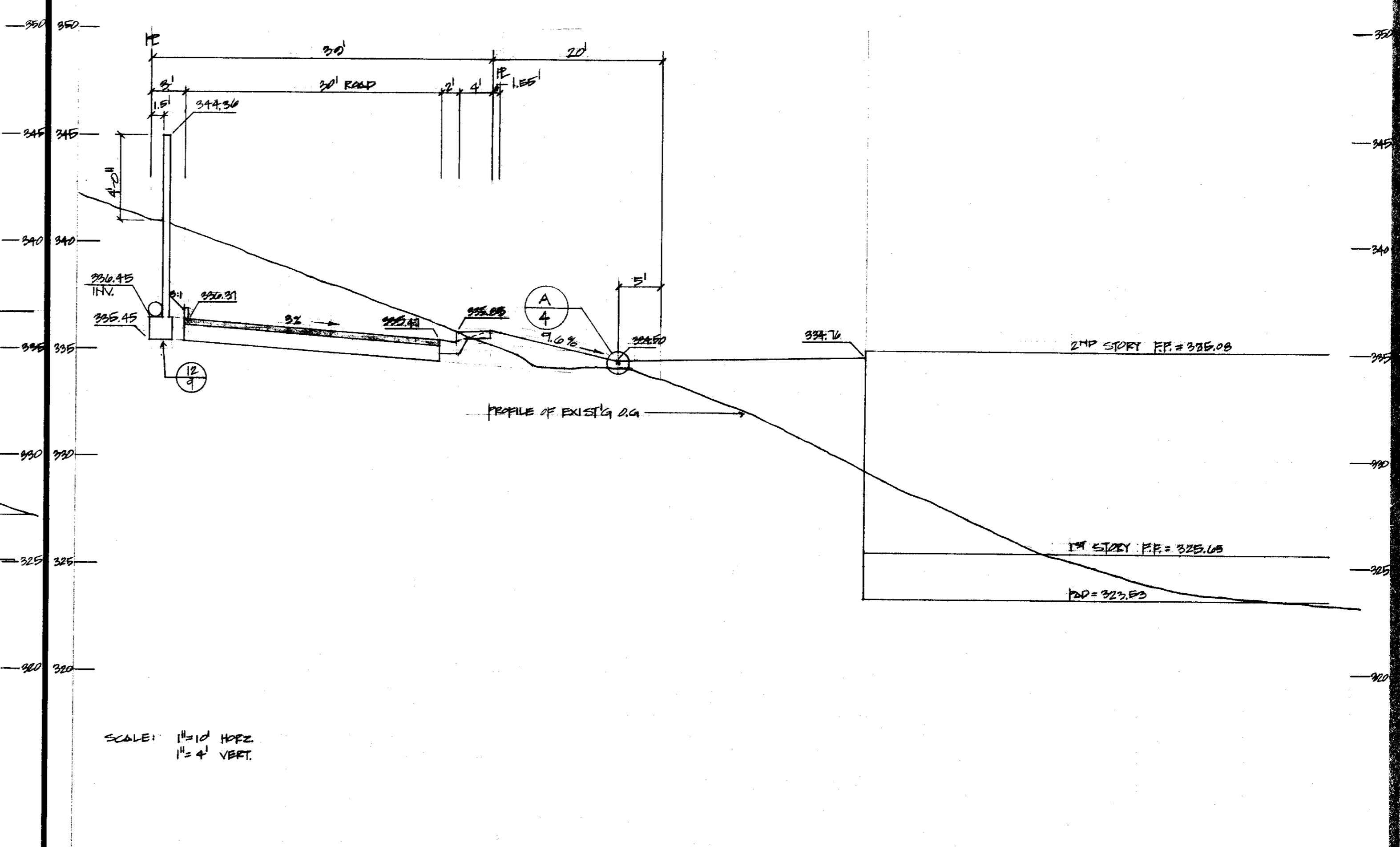
RECORD DRAWING
 Date: 7/1/88
 No Changes By: PLM
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Of Work
 See Building plans for lot drainage details

DATE: JULY 1988
 DRAWN BY: JAG
 CHECKED BY:
 JOB NO: 83-120
 SHEET: 5
 OF 19 SHEETS

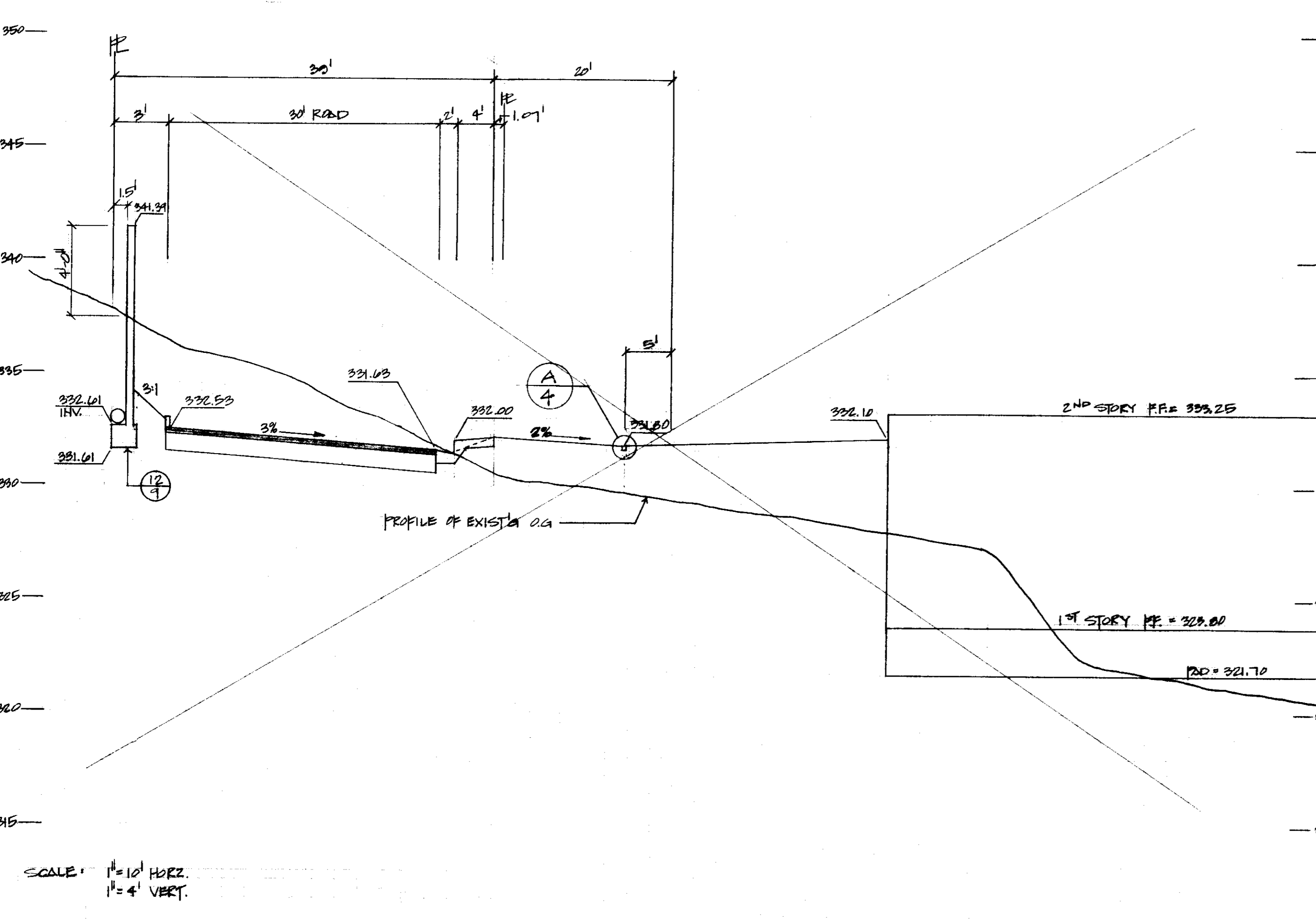
LOT 1 PROFILE @ Q DRIVEWAY STA. 1+47



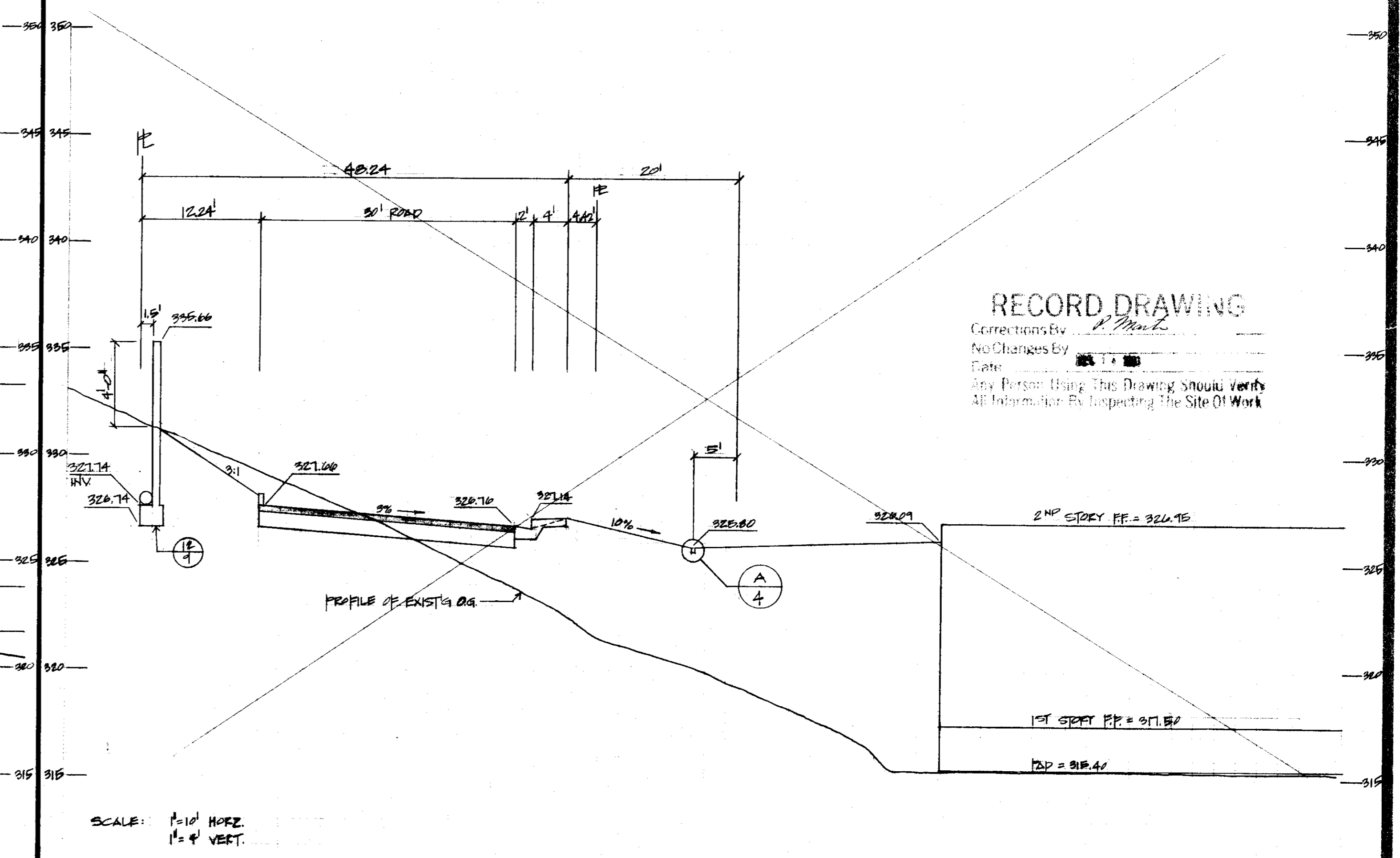
LOT 2 PROFILE @ Q DRIVEWAY STA. 2+27



LOT 4 PROFILE @ Q DRIVEWAY STA. 4+03



LOT 8 PROFILE @ Q DRIVEWAY STA. 6+60



RECORD DRAWING
 Corrections By: *P. Mink*
 No Changes By: *[Signature]*
 Date: *[Signature]*
 Any Person Using This Drawing Should Verify
 All Information By Inspecting The Site Of Work

DATE: 10-31-86
 DRAWN BY: JAG
 CHECKED BY: [Signature]
 SHEET NO. 4

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1967
 SAN JOAQUIN COUNTY CALIFORNIA

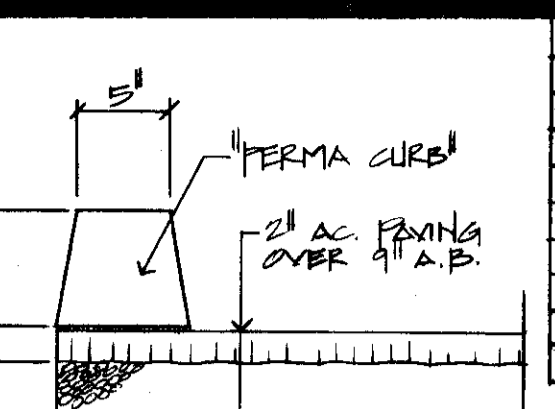
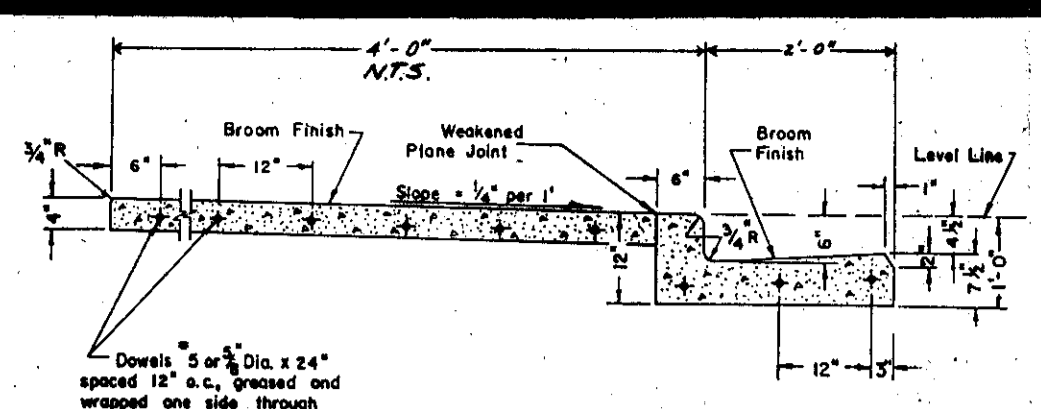
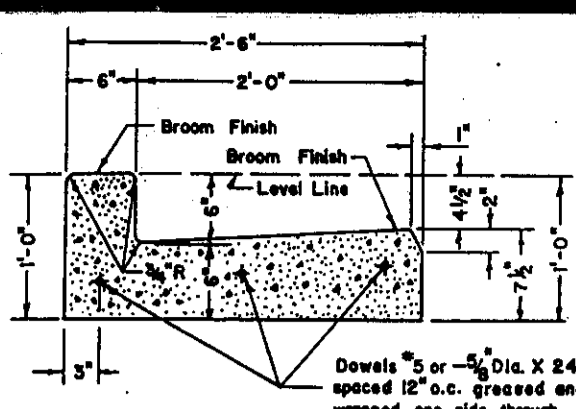
SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive, Manteca, California 95236
 (209) 239-4908

DATE: July 1980
 DRAWN BY: JAG
 CHECKED BY: [Signature]
 SHEET NO. 4
 OF 19 SHEETS

LEGEND

- 345.9 INDICATES EXIST'G GROUND ELEVATION
- INDICATES FINISHED ELEVATION
- INDICATES FINISHED RESIDENTIAL BUILDING PAD ELEVATION
- INDICATES EXIST'G TREE TO REMAIN
- INDICATES BEGINNING OF CURVE
- INDICATES END OF CURVE
- INDICATES BEGINNING OF VERTICAL CURVE
- INDICATES END OF VERTICAL CURVE
- INDICATES POINT OF REVERSE VERTICAL CURVE
- INDICATES FURNISH GRADE
- INDICATES TOP OF CURB GRADE
- INDICATES TOP OF AC DIKE
- INDICATES GRADE BREAK
- INDICATES CLEAN-AIT

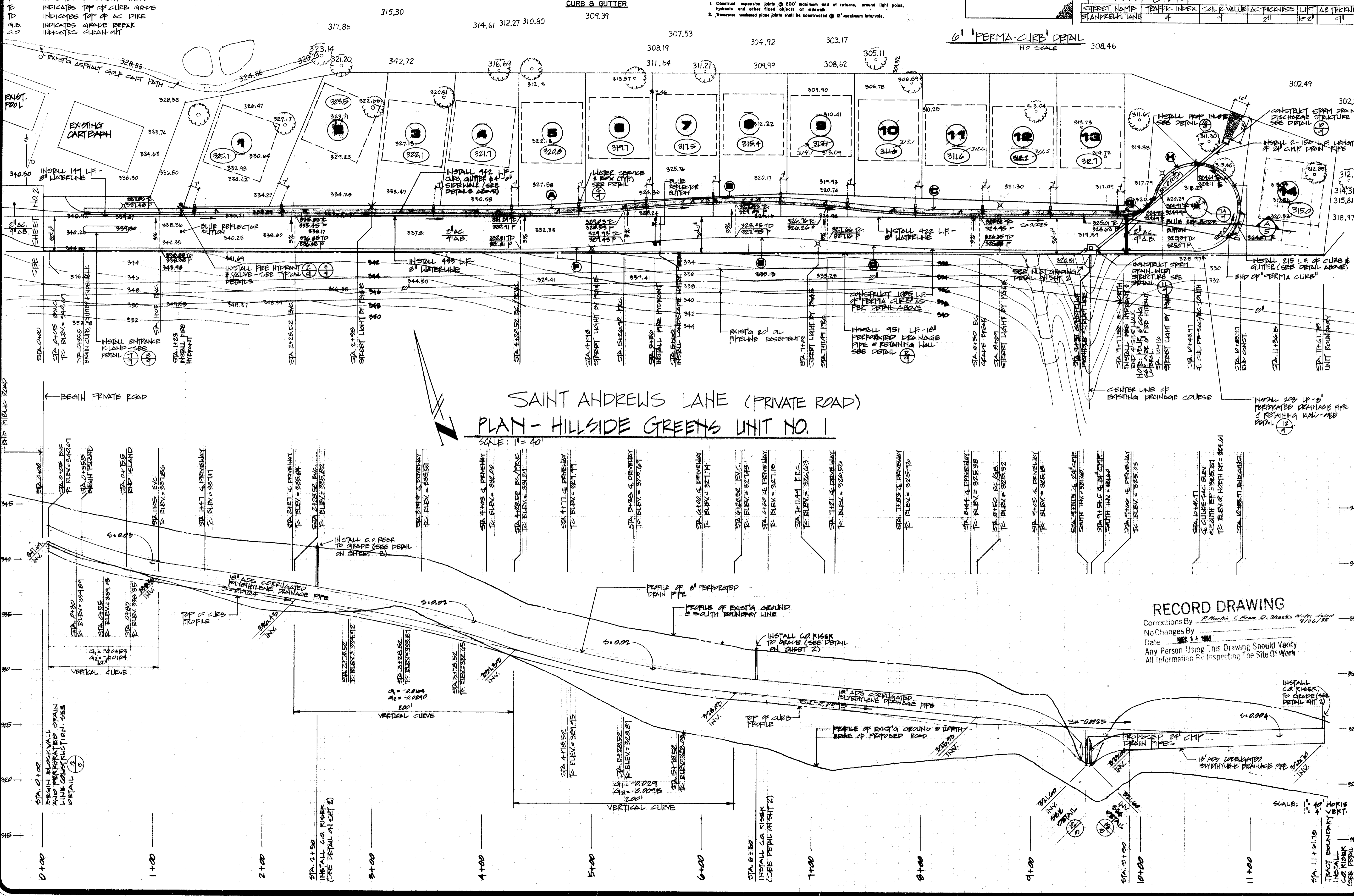
- INDICATES FIRE HYDRANT
- INDICATES WATER VALVE (SIZE AS NOTED)
- INDICATES LOT NUMBER PER 'HILLSIDE GREENS UNIT 1' SUBDIVISION MAP
- INDICATES DIRECTION OF ROAD DRAINAGE
- INDICATES STREET LIGHT (100 W. HPS V 1')
- AGGREGATE FOOT TIPS W/ M.C. EP TRADITION-AIRE LUMINAIRES



CURVE DATA CHART			
NO	RADIUS	FIELD LENGTH	CHORD BEARING & DISTANCE
1	120'	57' 28" 42"	N 75° 21' 12" W 104.50'
2	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
3	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
4	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
5	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
6	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
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40	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
41	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
42	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
43	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
44	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
45	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
46	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
47	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
48	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
49	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
50	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
51	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
52	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
53	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
54	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
55	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
56	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
57	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
58	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
59	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
60	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
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62	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
63	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
64	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
65	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
66	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
67	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
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69	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
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71	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
72	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
73	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
74	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
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76	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
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79	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
80	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
81	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
82	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
83	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
84	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
85	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
86	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
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88	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
89	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
90	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
91	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
92	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
93	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
94	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
95	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
96	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
97	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
98	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
99	120'	10' 52' 21"	N 75° 21' 12" W 18.50'
100	120'	10' 52' 21"	N 75° 21' 12" W 18.50'

PAYEMENT CHART			
STREET NAME	TRAFFIC INDEX	SOIL P-VALUE	AC THICKNESS
ST ANDREWS LAKE	4	4	2 1/2"
TRAFFIC INDEX	4		1 1/2"
SOIL P-VALUE		4	2 1/2"
AC THICKNESS			1 1/2"
TRAFFIC INDEX	4		1 1/2"
SOIL P-VALUE		4	2 1/2"
AC THICKNESS			1 1/2"

SAINT ANDREWS LAKE (PRIVATE ROAD)
PLAN - HILLSIDE GREENS UNIT NO. 1
SCALE: 1" = 40'



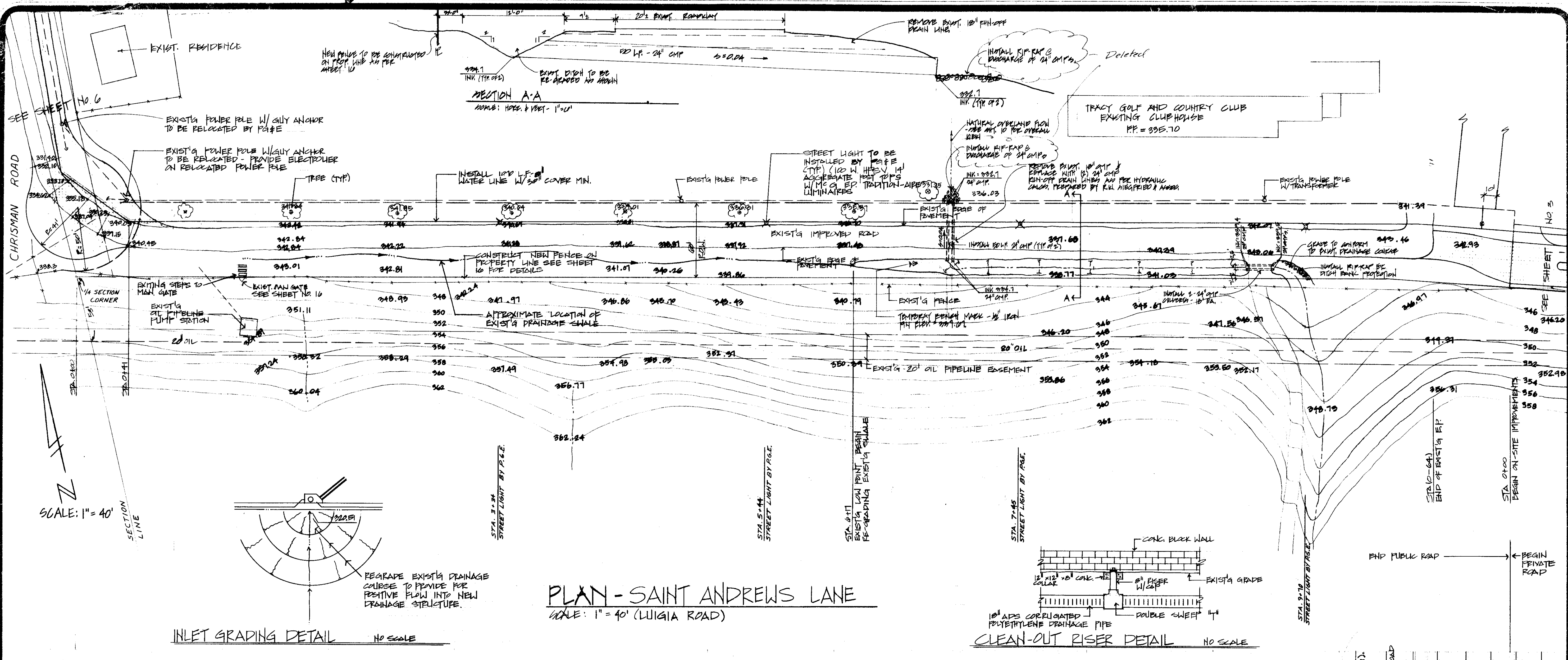
RECORD DRAWING
 Corrections By: R. Martin (Comm. D. Schack & Quartaroli)
 No Changes By: [Signature]
 Date: 11/1/86
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Of Work

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 SAN JOAQUIN COUNTY CALIFORNIA
 TRACT NO. 1967

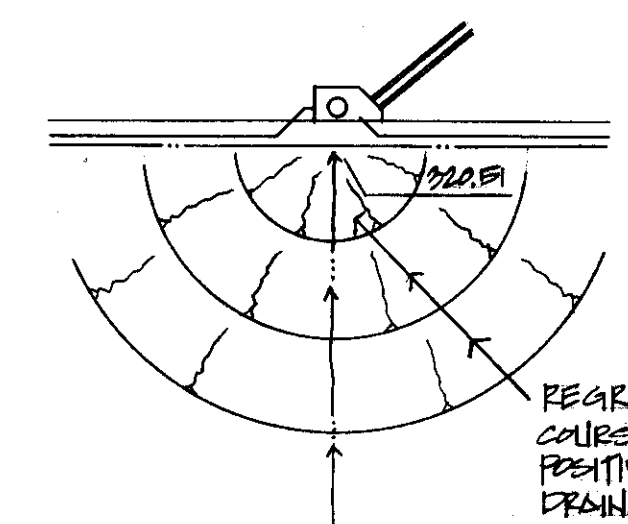
SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95236
 (209) 239-4908

DATE: 11/1/86
 DRAWN BY: STAFF
 CHECKED BY: [Signature]
 JOB NO: 82-120
 SHEET: 3
 OF 18 SHEETS

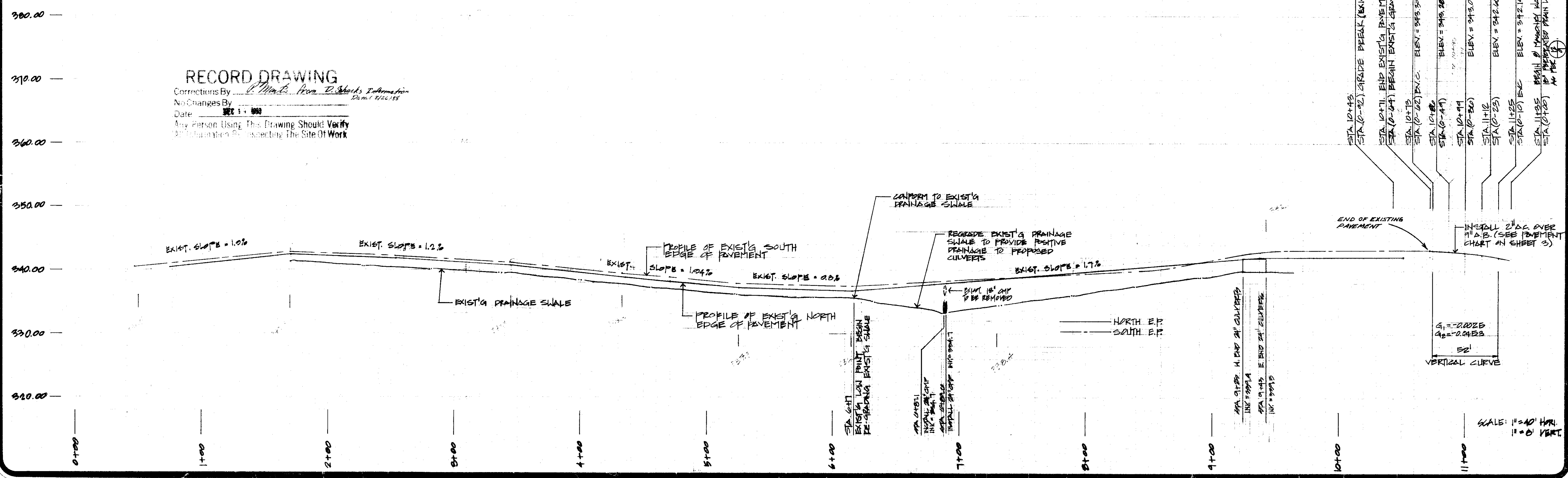
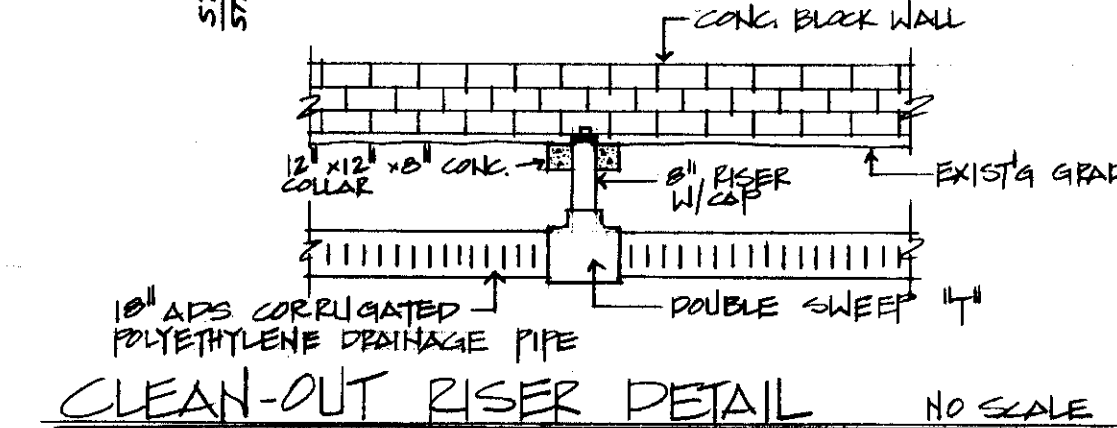
SC11901



INLET GRADING DETAIL
NO SCALE



PLAN - SAINT ANDREWS LANE
SCALE: 1" = 40' (LUGIA ROAD)



RECORD DRAWING
 Corrections By: *[Signature]*
 No Changes By: *[Signature]*
 Date: 11-1-86
 Any Person Using This Drawing Should Verify
 All Information by Inspecting The Site Of Work

Station	Description	Elevation
STA 10+48	GRADE BREAK (EXISTING)	
STA 10+71	END EXISTING PAVEMENT	
STA 10+71	BEGIN EXISTING GRAVEL ROAD	
STA 10+75	END EXISTING GRAVEL ROAD	
STA 10+75	BEGIN EXISTING PAVEMENT	
STA 10+75	END EXISTING PAVEMENT	
STA 10+75	BEGIN EXISTING GRAVEL ROAD	
STA 10+75	END EXISTING GRAVEL ROAD	
STA 10+75	BEGIN EXISTING PAVEMENT	
STA 10+75	END EXISTING PAVEMENT	
STA 10+75	BEGIN EXISTING GRAVEL ROAD	
STA 10+75	END EXISTING GRAVEL ROAD	
STA 10+75	BEGIN EXISTING PAVEMENT	
STA 10+75	END EXISTING PAVEMENT	

SU 1902

DATE	10/21/86
REVISIONS	VERTICAL CURVE
BY	LMJ
CHKD	LMJ

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1967
 SAN JOAQUIN COUNTY CALIFORNIA

SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Noringate Drive Manteca California 95336
 (209) 239-4908

DATE	JAN 1986
DRAWN BY	STAFF
CHECKED BY	
JOB NO.	93-120
SHEET	10
OF	10 SHEETS

GENERAL NOTES

- IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL PERMITS
- SEE FINAL MAP OF THIS SUBDIVISION FOR ADDITIONAL LAY OUT DIMENSIONS.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN 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 PROVIDE DUST CONTROL AT ALL TIMES DURING CONSTRUCTION AS PER SECTION 10 OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA.
- ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE SPECIFICATIONS, STANDARDS AND ORDINANCES OF SAN JOAQUIN COUNTY. STANDARD SPECIFICATIONS AND DETAILS ARE AVAILABLE AT THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS.
- 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 MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED.
- THE CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
- THE EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL UTILITY AGENCIES HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES.
- THE SAN JOAQUIN DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 48 HOURS IN ADVANCE OF ANY CONSTRUCTION.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT THE WRITTEN AUTHORIZATION FROM SCHACK & QUARTAROLI.
- 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 CONTINUALLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, ENGINEER OR SURVEYOR 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, ENGINEER OR THE SURVEYOR.
- BENCH MARK: STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION BRASS DISCS IN CONCRETE STAMPED "SM-531" AND "SM-623". LOCATION AND ELEVATION OF BENCH MARKS SHOWN ON IMPROVEMENT PLANS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE.
- THE CONTRACTOR SHALL BE REQUIRED TO COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICES TO THE DEVELOPMENT, AND ANY DELAY CAUSED BY SUCH INSTALLATION SHALL NOT BE CONSIDERED AS RIGHT-OF-WAY DELAY.
- THE OFFICE OF SCHACK & QUARTAROLI, MANTECA (239-4908) SHALL BE NOTIFIED 72 HOURS PRIOR TO THE REQUIREMENT OF CONSTRUCTION CONTROL STAKES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY AND CONSTRUCTION STAKES.
- THE OWNER WILL PROVIDE ONE SET OF STAKES FOR EACH PHASE OF THE WORK. THE CONTRACTOR WILL BE CHARGED FOR ADDITIONAL STAKING AND REPLACEMENT STAKING IN ACCORDANCE WITH THE BELOW SCHEDULE WITH A MINIMUM FEE OF \$100.00.

FLAGGING COLOR	PURPOSE	REPLACEMENT COST, EACH
PINK & BLUE	SUBDIVISION CONTROL	\$475
PINK	LOT CORNERS, ROUGH GRADE	\$200
BLUE	STORM DRAIN POND	\$100

RECORD DRAWING

Corrections By _____
 No Changes By _____
 Date: 12/14/83
 Any Changes to this Drawing Should Verify with the Surveyor on the Site.

- SHEET INDEX**
- TITLE SHEET
 - SAINT ANDREWS LANE (LULIYA ROAD)
 - SAINT ANDREWS LANE (LULIYA ROAD)
 - PROFILE SECTIONS OF LOTS 1, 2, 4, & 8
 - PROFILE SECTIONS OF LOTS 12, 14, & CUL-DE-SAC
 - CHRISMAN ROAD PLAN & PROFILE
 - VERNALIS ROAD PLAN & PROFILE
 - VERNALIS ROAD PLAN & PROFILE
 - IMPROVEMENT DETAILS
 - SITE PLAN & DRAINAGE PLAN
 - WELL & TANK DETAILS
 - WELL SITE PLANS AND MECHANICAL DETAILS
 - WELL ELECTRICAL PLAN
 - WELL HOUSE FLOOR PLAN & DETAILS
 - PAR COUNTRY ESTATES WELL SITE 1 & 2
 - WILDLIFE FORAGING AREA & FENCING
 - COMMON AREA LANDSCAPING PLAN
 - TYPICAL LOT LANDSCAPING PLAN
 - COMMON AREA IRRIGATION LAYOUT PLAN
- * SHEETS 16, 17, 18, & 19 ARE FOR INFORMATION PURPOSES ONLY.

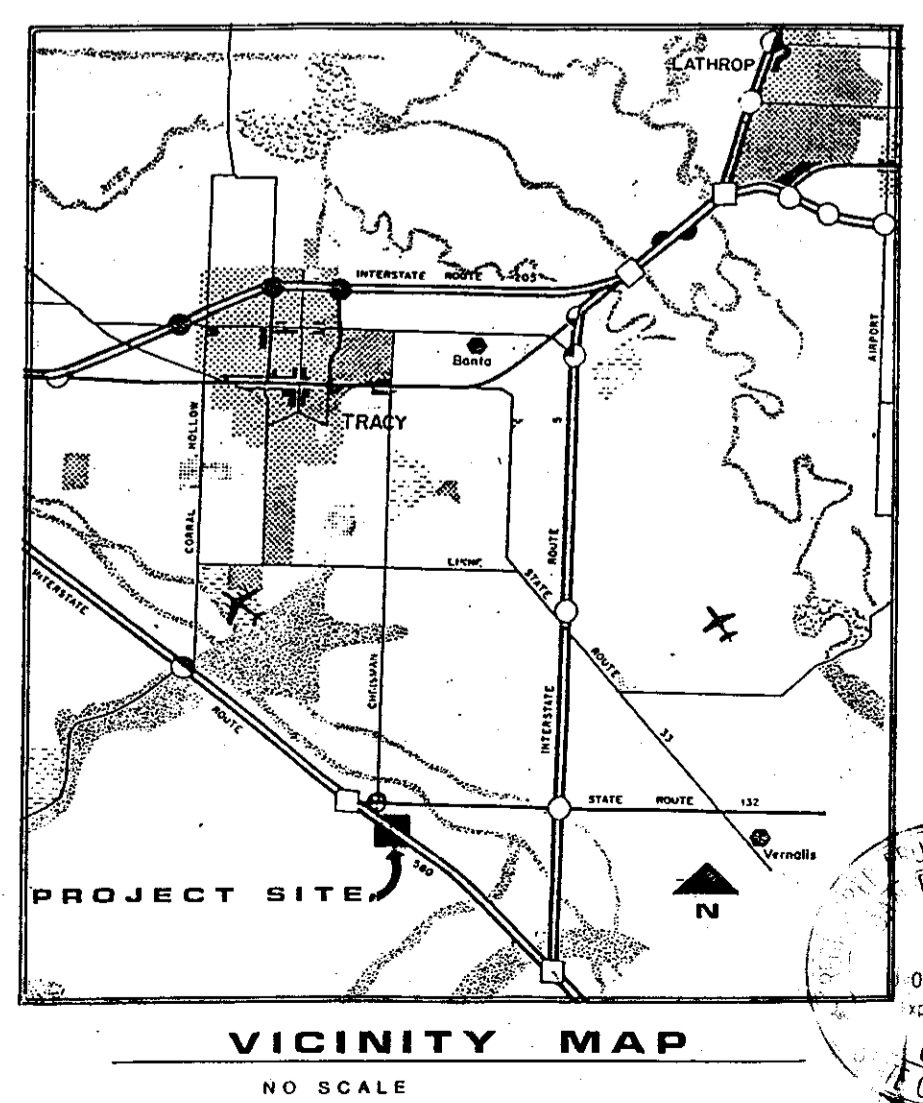
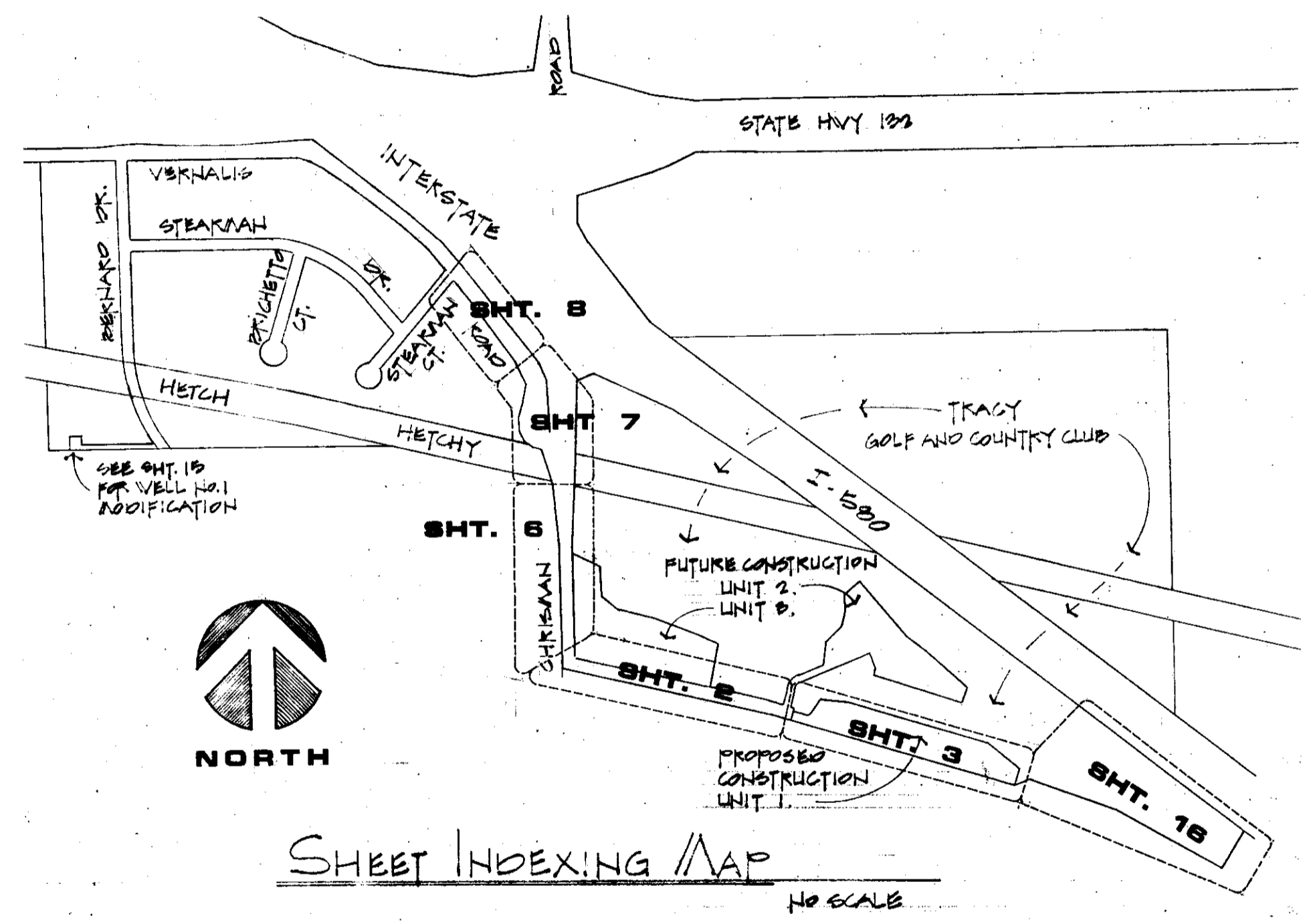
IMPROVEMENT PLANS

FOR
TRACT NO. 1967

SUBDIVISIONS OF SAN JOAQUIN COUNTY

HILLSIDE GREENS UNIT NO. 1

A PORTION OF SECTION 35, T.35., R.5E., MDB&M



OWNER / DEVELOPER

DAN R. SCHACK
MICHAEL L. QUARTAROLI
150 NORTHGATE DRIVE
MANTECA, CA. 95336

UTILITY DISTRICTS

TELEPHONE; PACIFIC BELL TELEPHONE COMPANY.
 NATURAL GAS & ELECTRICITY; PACIFIC GAS & ELECTRIC.
 STORM DRAINAGE; TO BE MAINTAINED BY HOMEOWNERS ASSOCIATION.
 SANITARY SERVICE; INDIVIDUAL SEWER TANK & LEACH FIELDS MAINTAINED BY HOMEOWNERS ASSOCIATION.
 DOMESTIC WATER; COUNTY SERVICE AREA 16 (ZONE A).
 STREET WORK; TO BE MAINTAINED BY HOMEOWNERS ASSOCIATION.

APPROVED: SAN JOAQUIN COUNTY LOCAL HEALTH DEPT.

Fred Kaufman 11-20-86
 Date

APPROVED: SAN JOAQUIN COUNTY BUREAU OF FIRE PREVENTION

Steve Thomas 11-20-86
 Date

APPROVED: TRACY RURAL FIRE DISTRICT

James Hughes 11-20-86
 DATE

SUBMITTED BY:
SCHACK AND QUARTAROLI
Dan R. Schack 11-20-86
DAN R. SCHACK R.C.E. 32158 Date

COUNTY OF SAN JOAQUIN
 DEPARTMENT OF PUBLIC WORKS

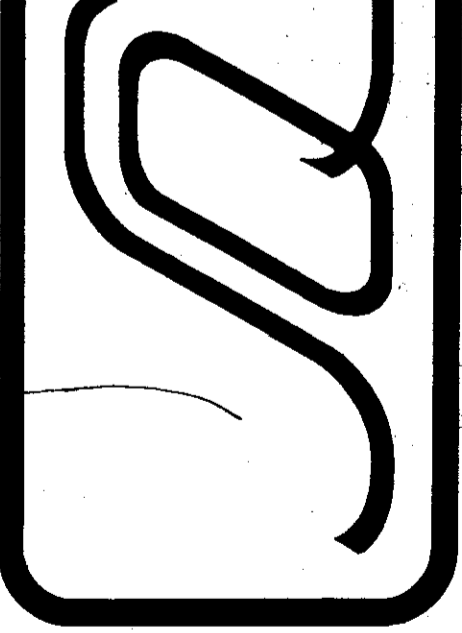
APPROVED DATE: *Nov. 25, 1986*
Johnny M. Shreve R.C.E. NO. *21258*
 DIRECTOR OF PUBLIC WORKS

APPROVED REVISION
 DATE

DATE	REVISIONS	BY	APP'D
10-31-86	SHEET INDEXING & MAP SCALE		

IMPROVEMENT PLANS FOR
HILLSIDE GREENS UNIT NO. 1
 TRACT NO. 1967
 SAN JOAQUIN COUNTY CALIFORNIA

SCHACK & QUARTAROLI
 Civil Engineering and Land Surveying
 150 Northgate Drive Manteca California 95336
 (209) 239-4908



DATE	11-20-86
DRAWN BY	STAFF
CHECKED BY	
JOB NO.	80-120
SHEET	1
OF	18 SHEETS

SU-1903