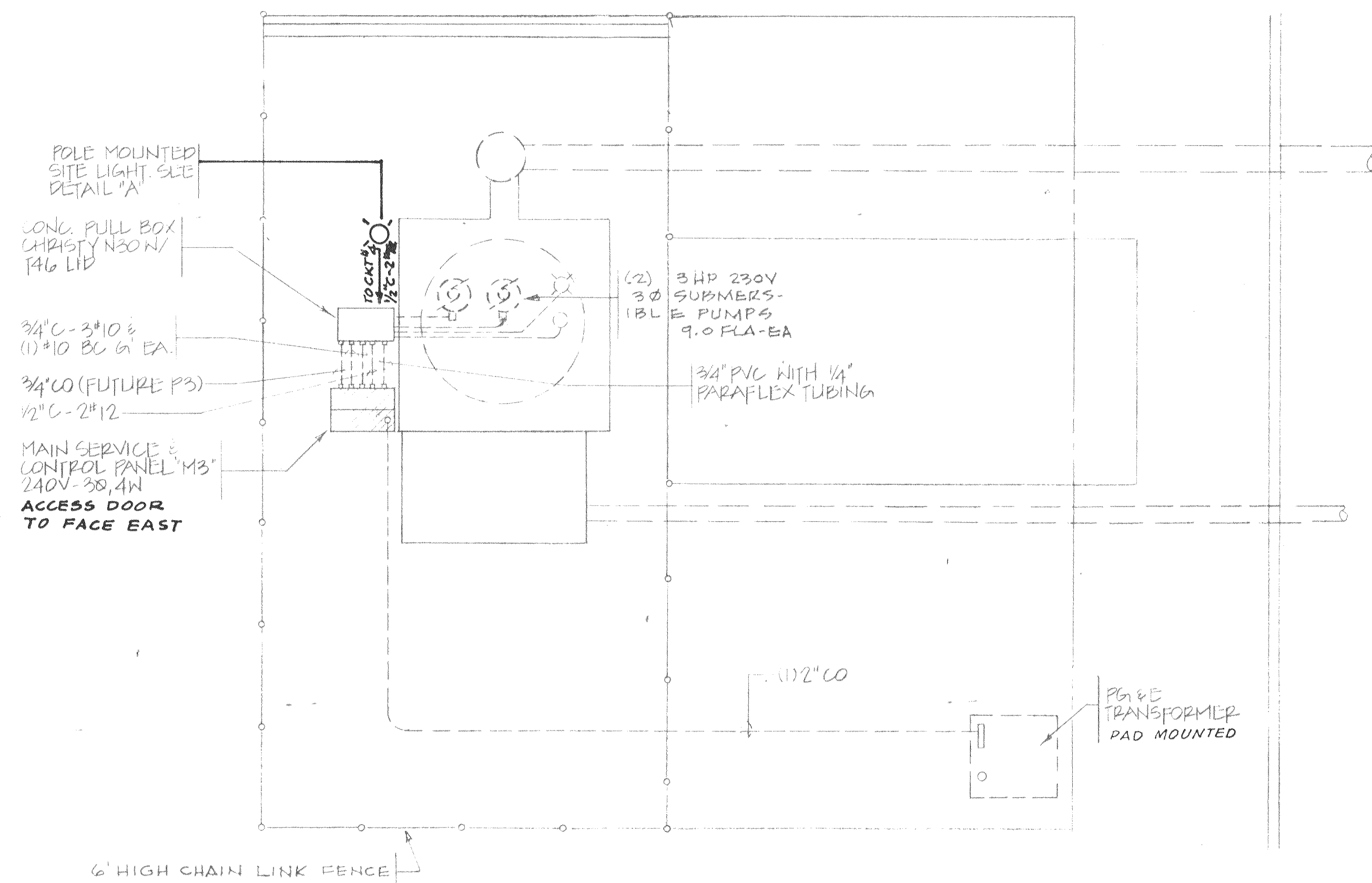
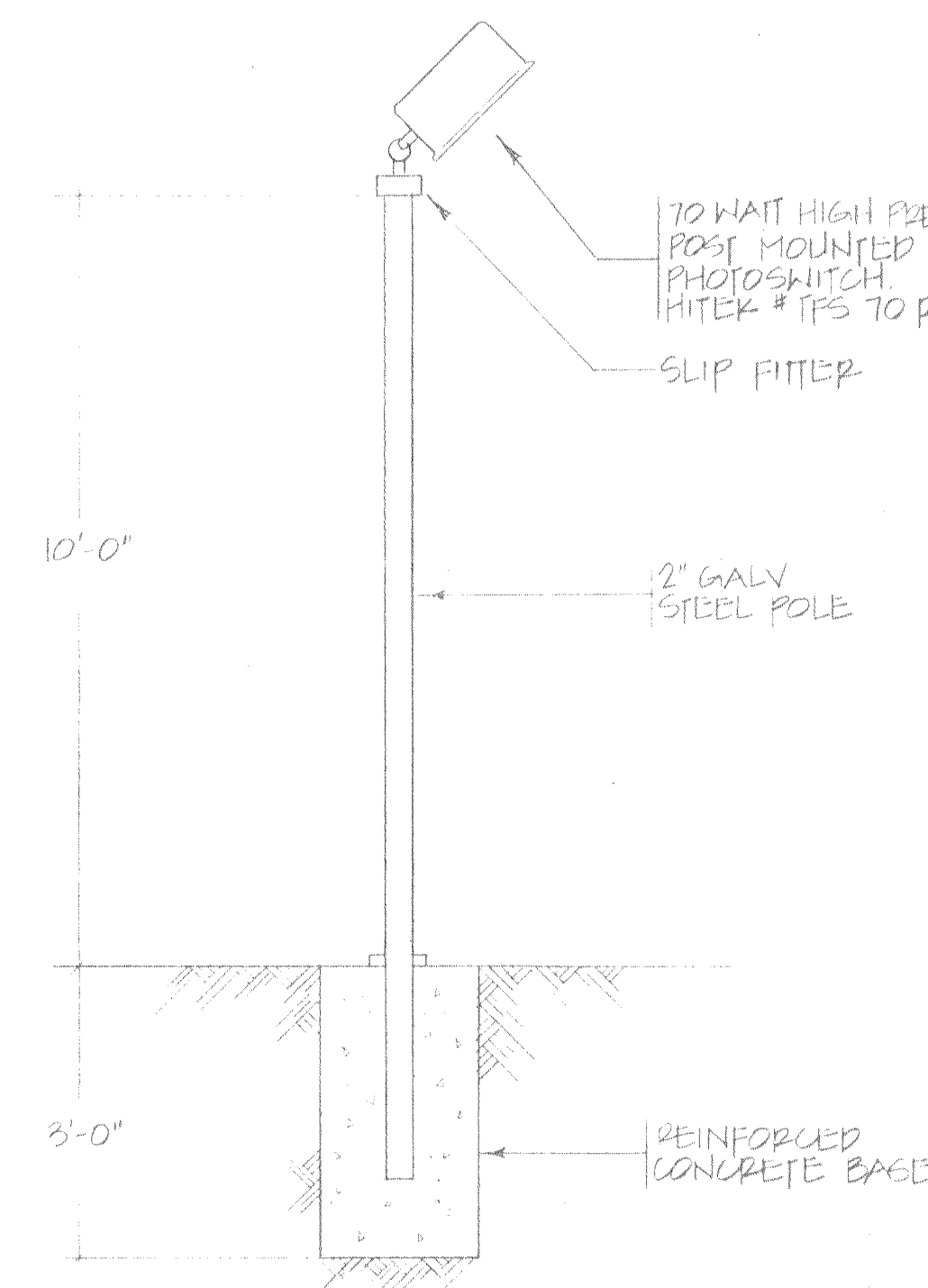



SEWAGE LIFT STATION
ELECTRICAL SITE PLAN
SCALE: 1 INCH=5 FT.



DETAIL "A"
NO SCALE

LEGEND

- MAIN SERVICE PANEL "MS"
- POLE MOUNTED SITE LIGHT
- GFI DUPLEX 120 VOLT OUTLET
- MOTOR OUTLET
- UNDERGROUND CONDUIT (UG)
- CONDUIT SEAL
- E.C. ELECTRICAL CONTRACTOR
- W.P. WEATHERPROOF
- BCG BARE COPPER GROUND
- U.O.N. UNLESS OTHERWISE NOTED

GENERAL NOTES:

- ELECTRICAL INSTALLATION SHALL BE IN ACCORDANCE WITH MOST RECENTLY ADOPTED EDITION OF N.E.C., STATE OF CALIFORNIA TITLE 24, PART 3, AND ALL APPLICABLE LOCAL CODES.
- 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 WORK 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.
- ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT AND INSTALLING HIS WORK TO AVOID INTERFERENCE WITH OTHER TRADES.
- CONDUCTORS SHALL BE STRANDED COPPER CONDUCTORS TYPE THWN/THHN UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- MINIMUM CONDUIT SIZE FOR SITE LIGHTING SHALL BE 1/2" AND MINIMUM WIRE SIZE SHALL BE #12 UNLESS OTHERWISE SHOWN.
- WORK SHOWN ON THE DRAWINGS TO BE INSTALLED UNDERGROUND SHALL BE INSTALLED AT LEAST 24" BELOW GRADE UNLESS OTHERWISE NOTED. BACKFILL IN 6" THICK, PROPERLY MOISTENED LAYERS, SOLIDLY PACKED AND IRON TAMPED TO A DENSITY NOT LESS THAN THAT OF ADJACENT, UNDISTURBED EARTH. RESTORE SURFACES, ROADWAYS, WALKS, CURBS, WALLS, EXISTING UNDERGROUND INSTALLATIONS TO ORIGINAL CONDITION IN AN ACCEPTABLE MANNER.

UNAUTHORIZED CHANGES & USES

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RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

DENVER, CO ORANGE COUNTY SACRAMENTO SAN DIEGO SAN JOSE WALNUT CREEK
(303) 791-0666 (714) 837-5001 (916) 446-5020 (619) 278-9392 (408) 287-3400 (415) 334-8090

VALLEY HAVEN
SEWAGE LIFT STATION
ELECTRICAL SITE PLAN

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

E1

SHEET

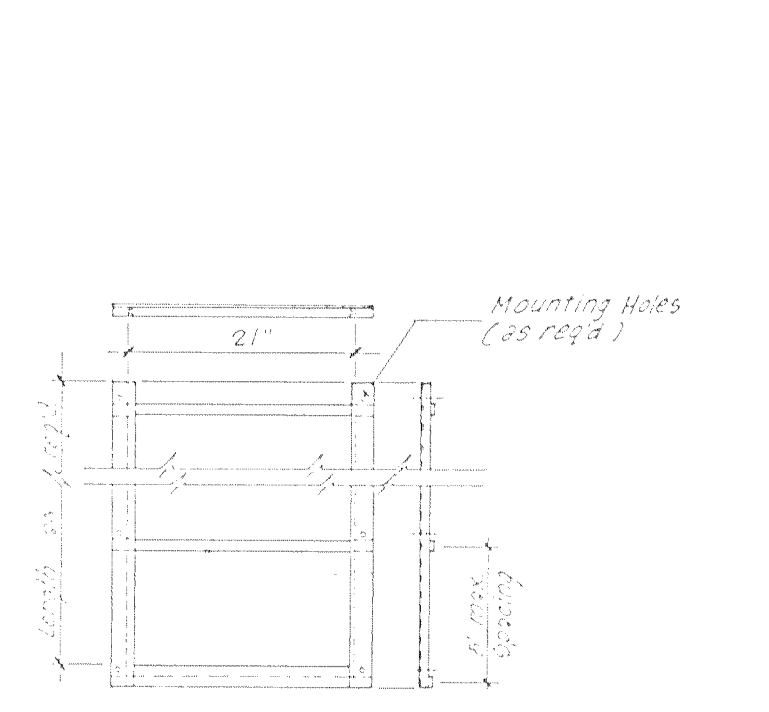
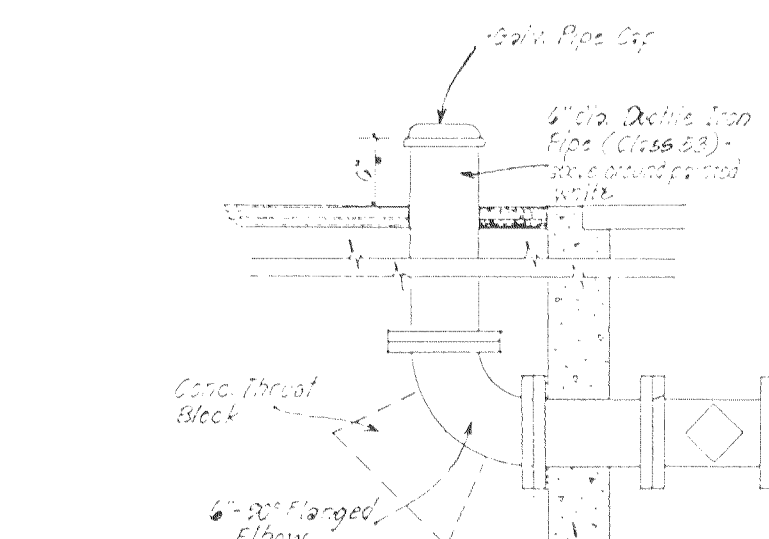
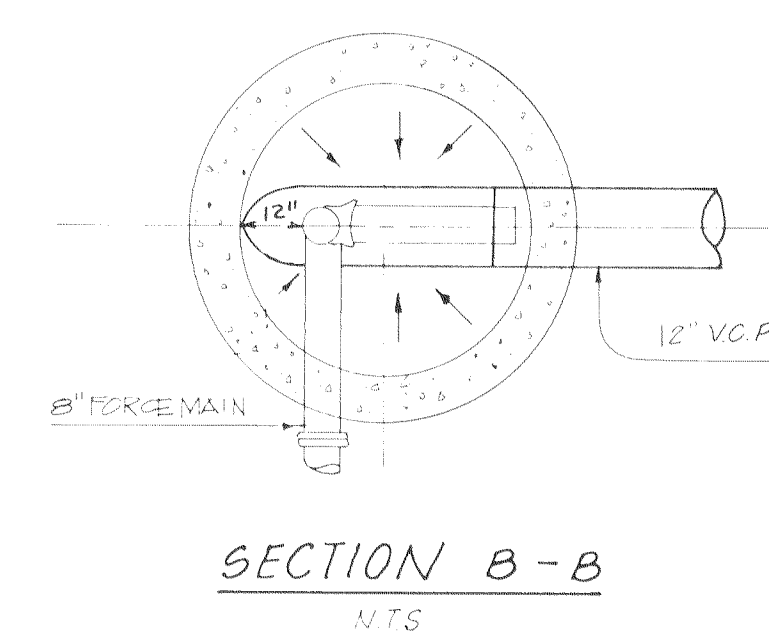
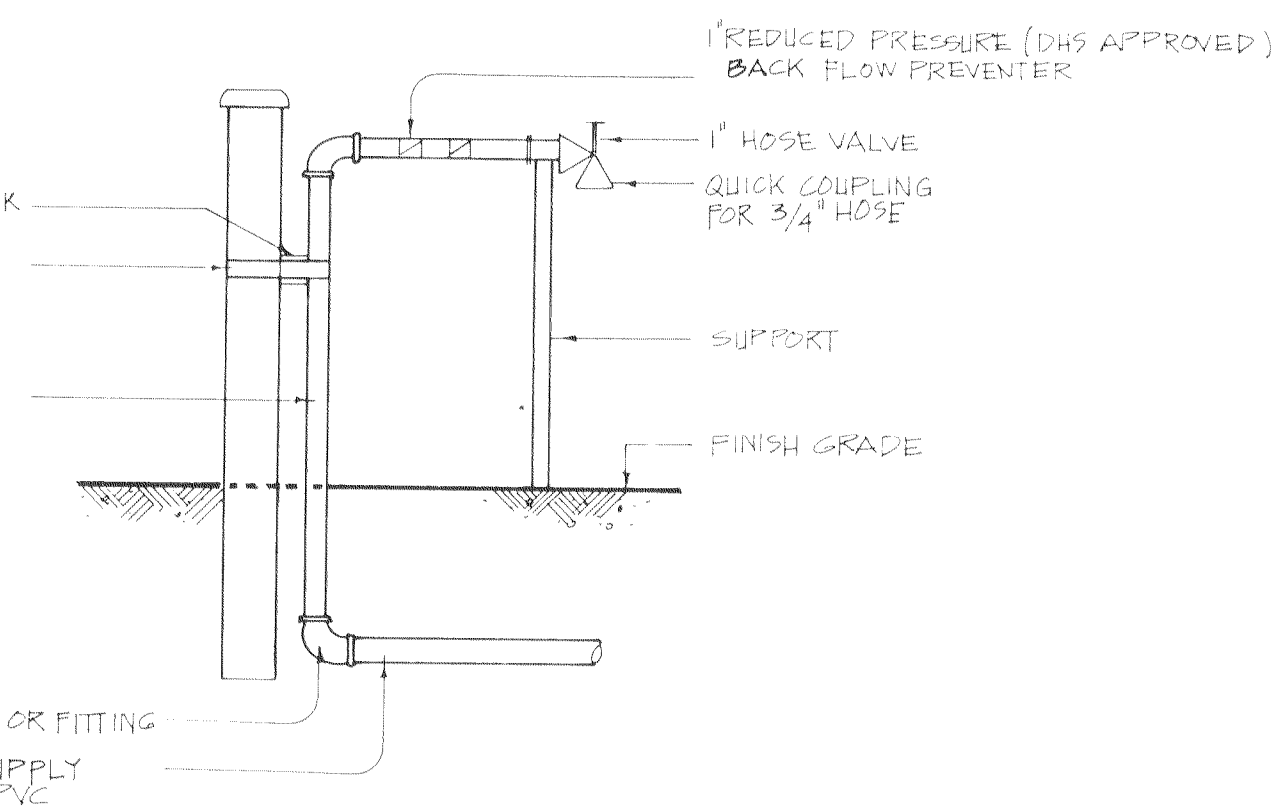
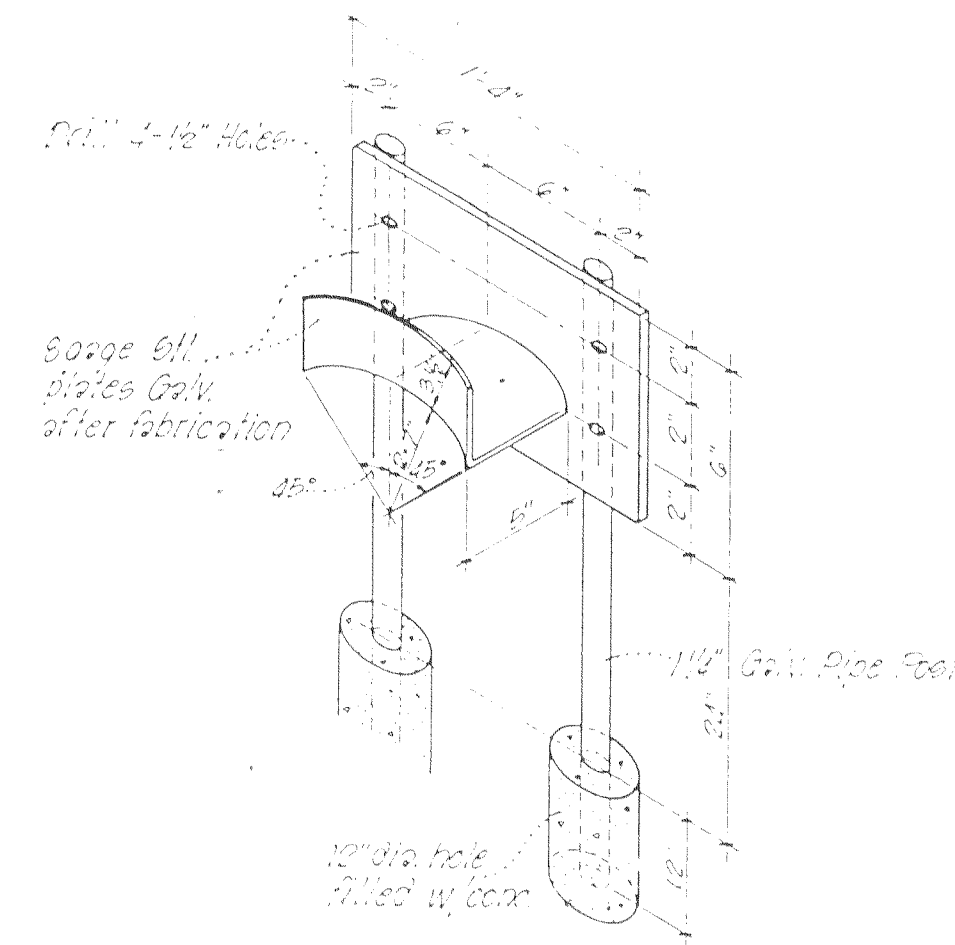
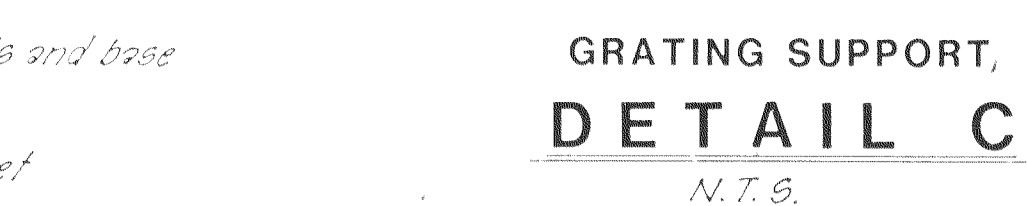
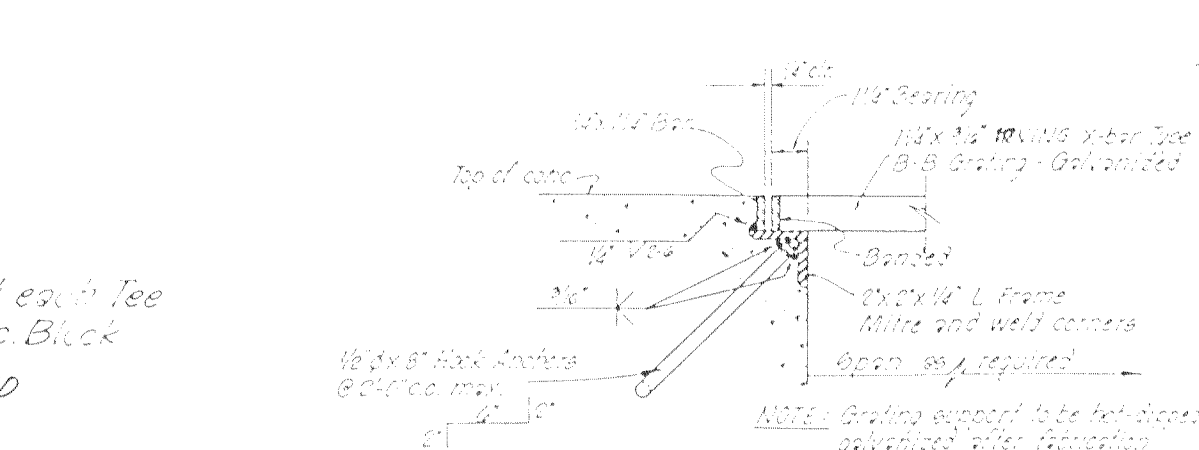
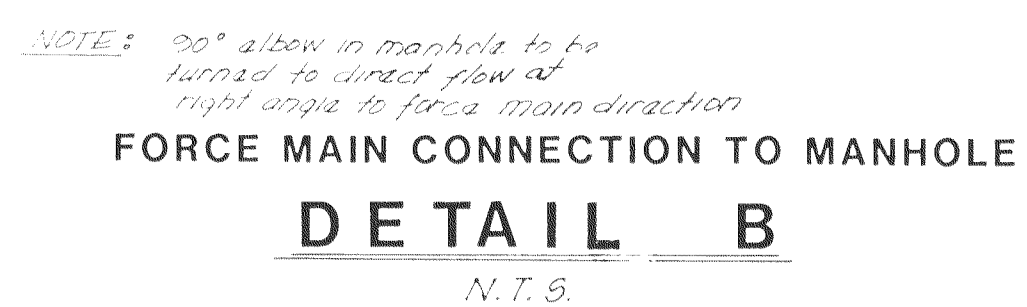
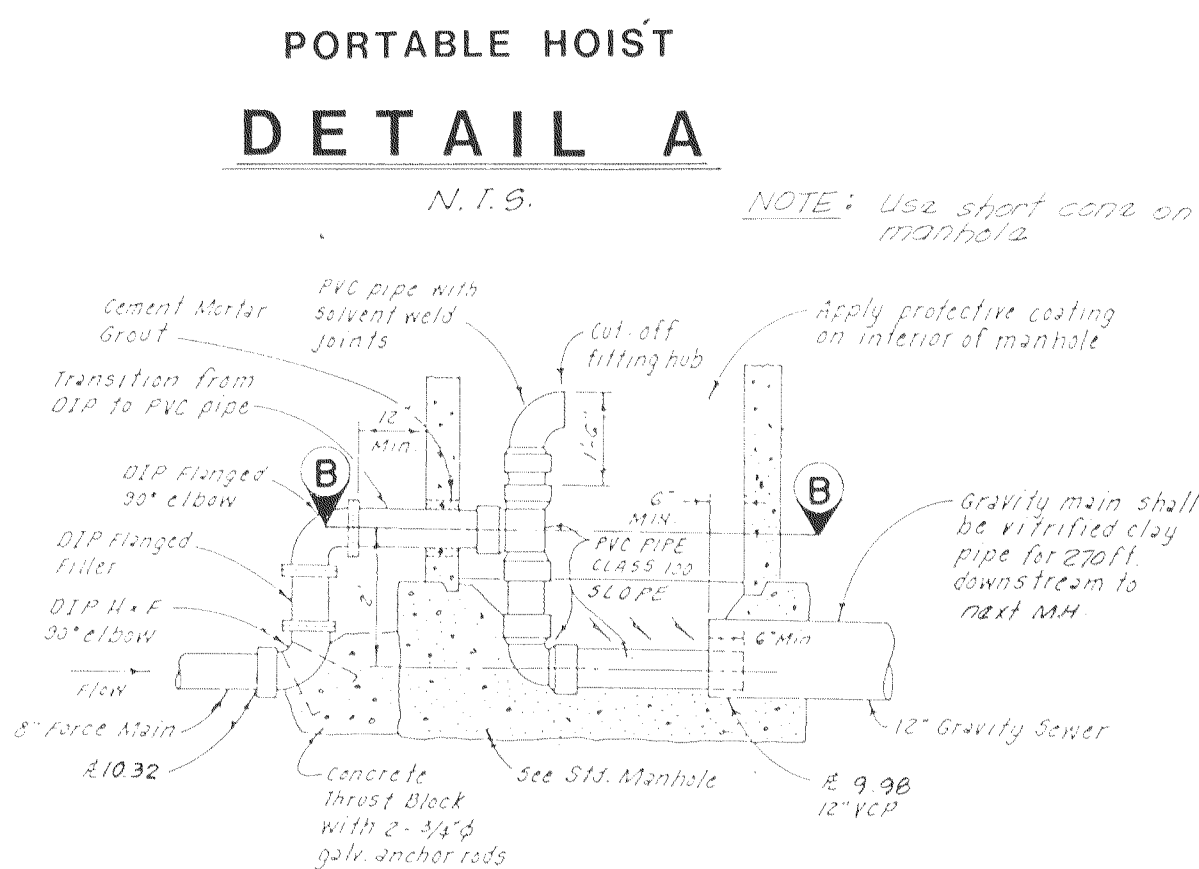
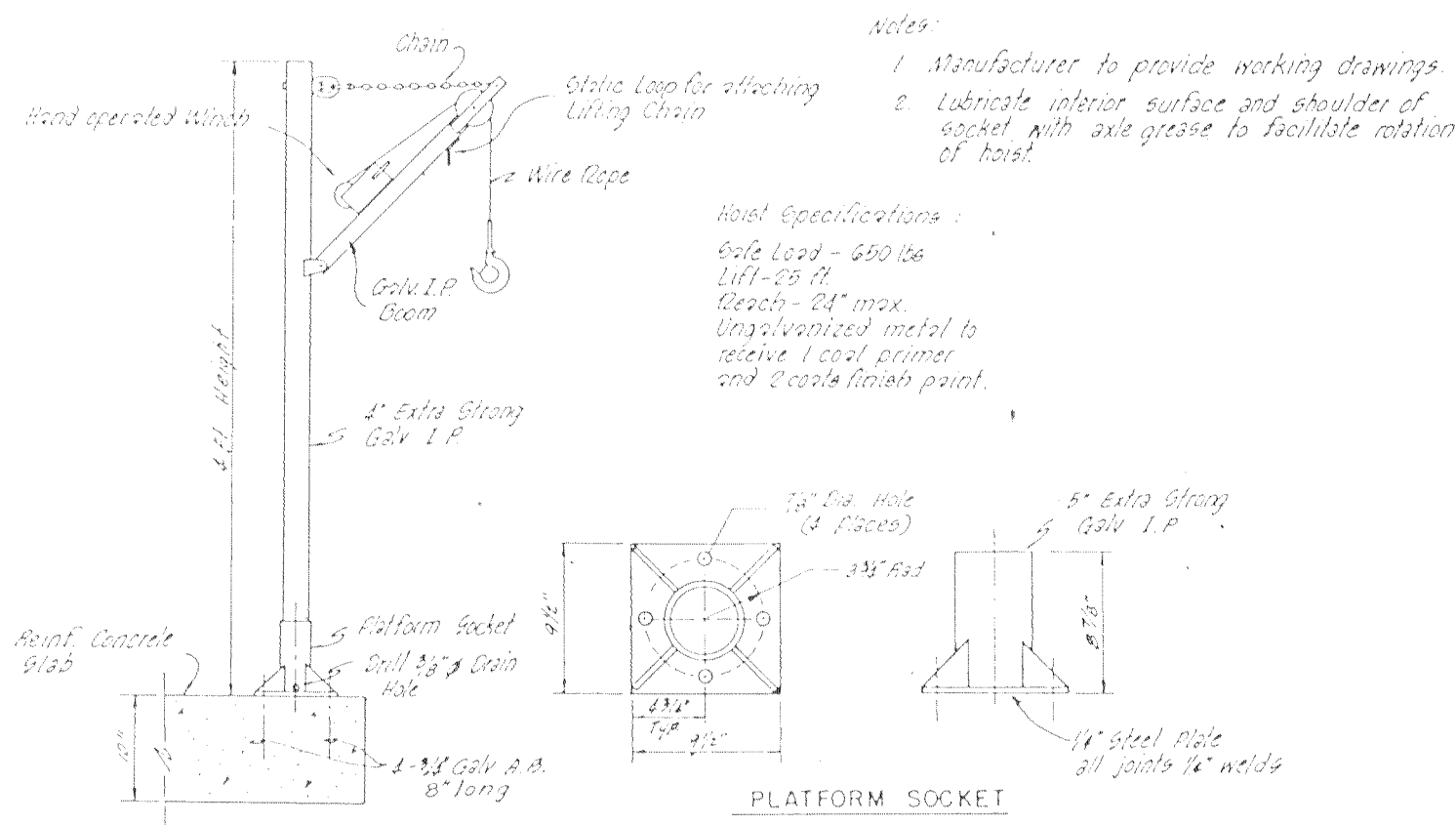
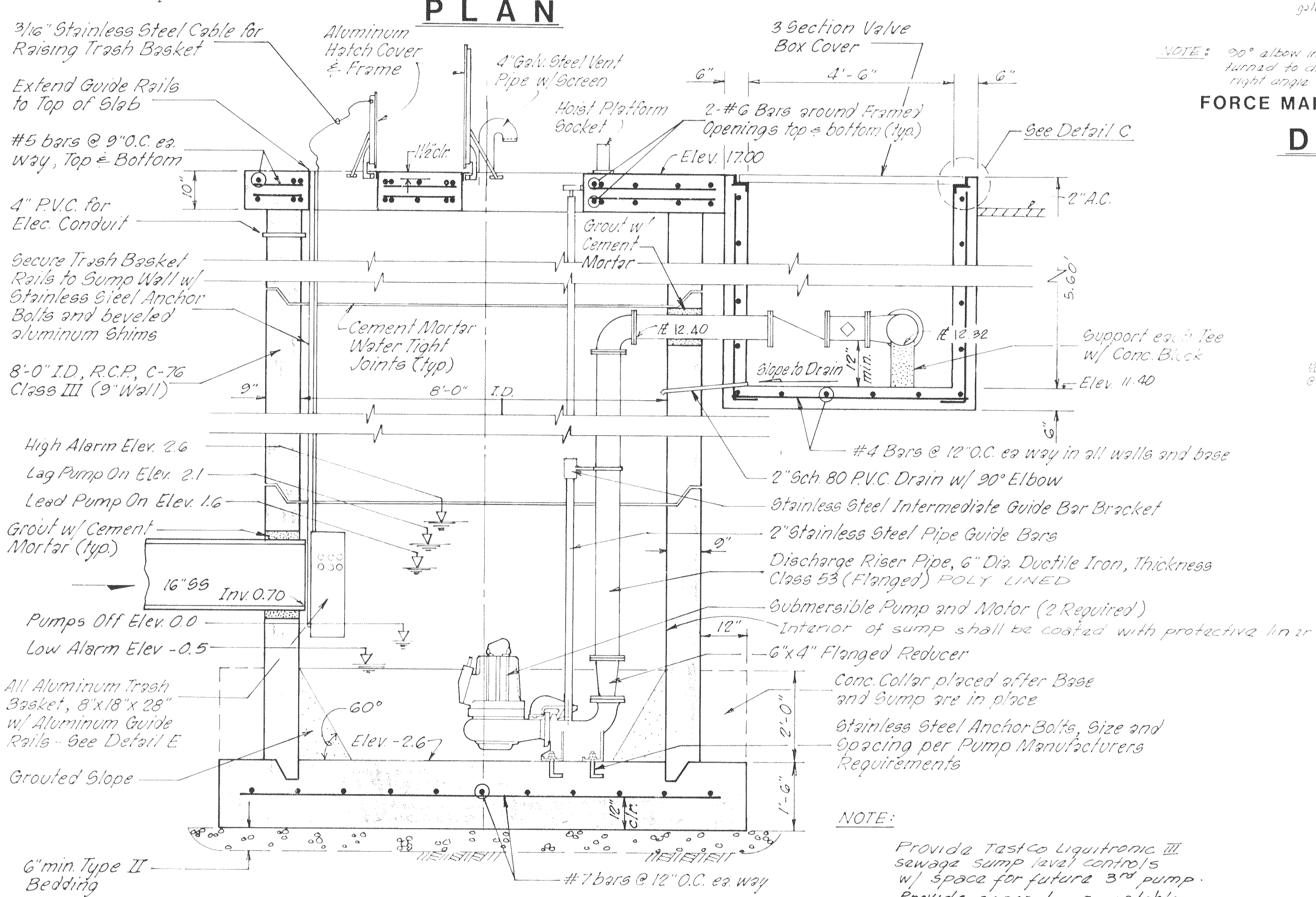
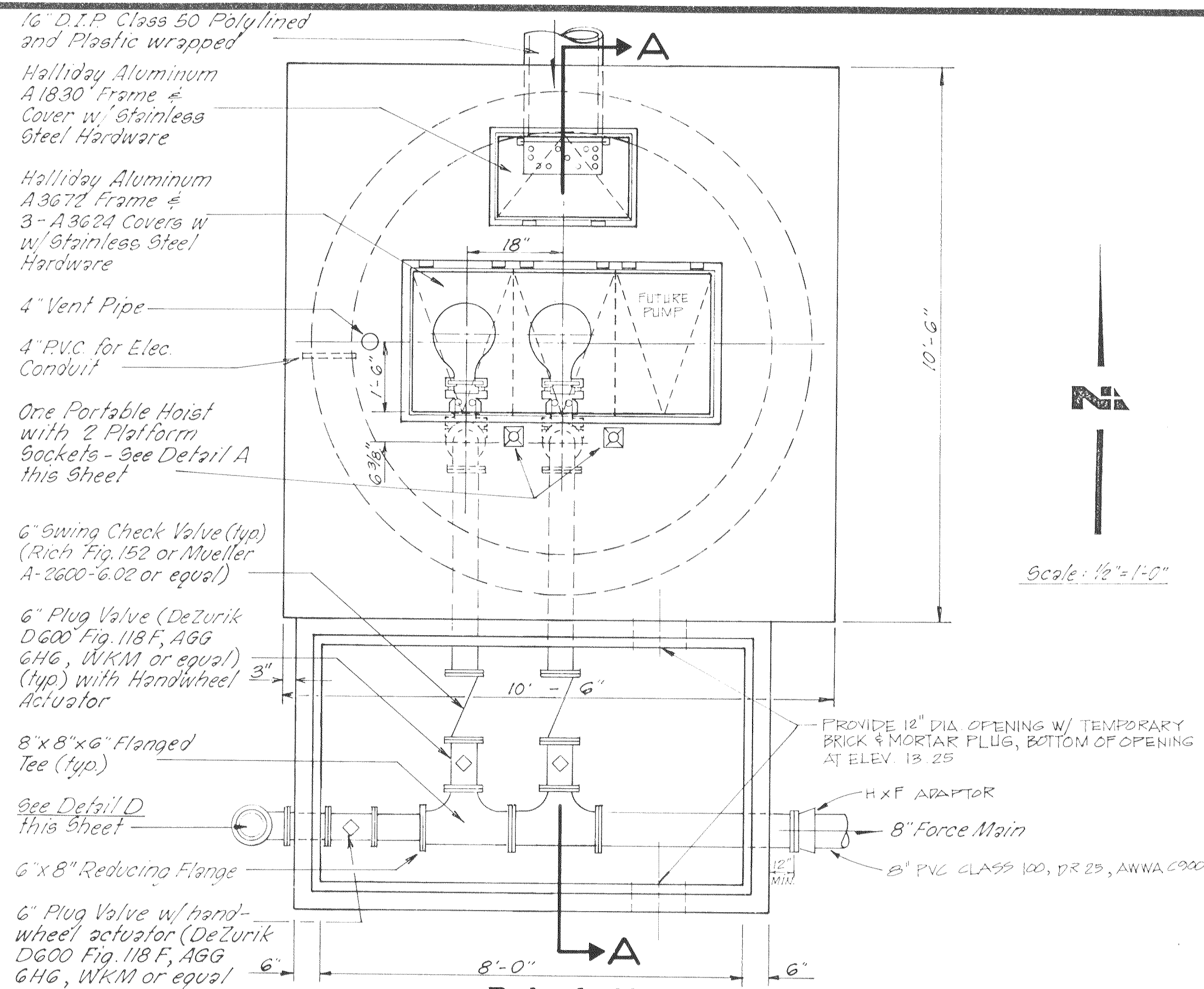
35

OF 36 SHEETS

JOB NO.

2707-89-03

9-30-90



UNAUTHORIZED CHANGES & USES

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

DATE: _____	NO. _____	BY _____	DATE _____
SCALE: <i>As Shown</i>	NO. _____	BY _____	DATE _____
DRAWN BY: <i>DEK</i>	NO. _____	BY _____	DATE _____
CHECKED BY: <i>DN</i>	NO. _____	BY _____	DATE _____
PROJ. MGR.: <i>PRC</i>	NO. _____	BY _____	DATE _____
PROJ. ENGR.: <i>DN</i>	NO. _____	BY _____	DATE _____

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

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LATHROP

TRACT NO. 2051
VALLEY HAVEN
SEWAGE LIFT STATION
PLAN & DETAILS

CALIFORNIA

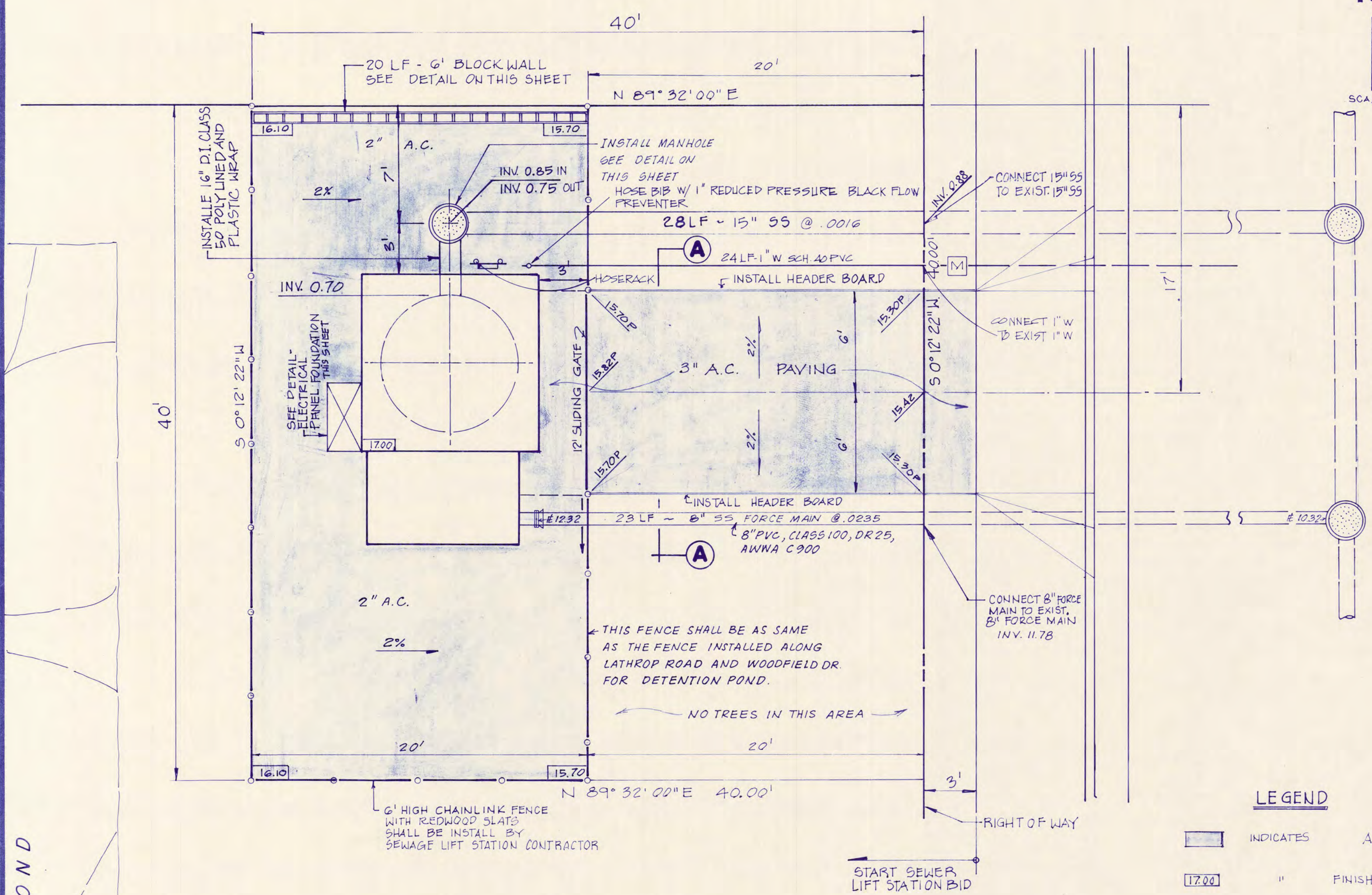
SHEET
34
OF 36 SHEETS
JOB NO.
2707-89-03

2

7

SCALE 1" = 5'

WOODFIELD DRIVE



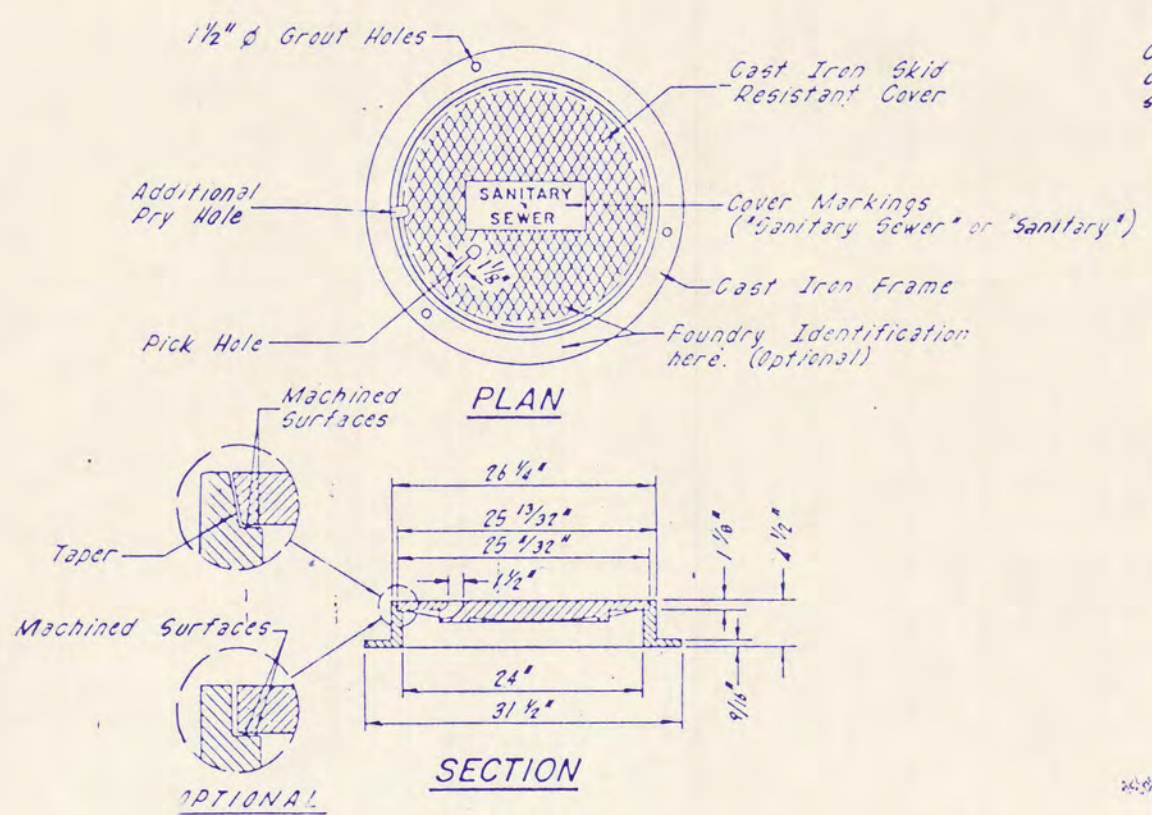
SITE PLAN - SEWER LIFT STATION

SCALE 1" = 5'

NOTE: REFER TO PLAN SHEET NO. 19 FOR LANDSCAPING AND SPRINKLER SYSTEM PLAN

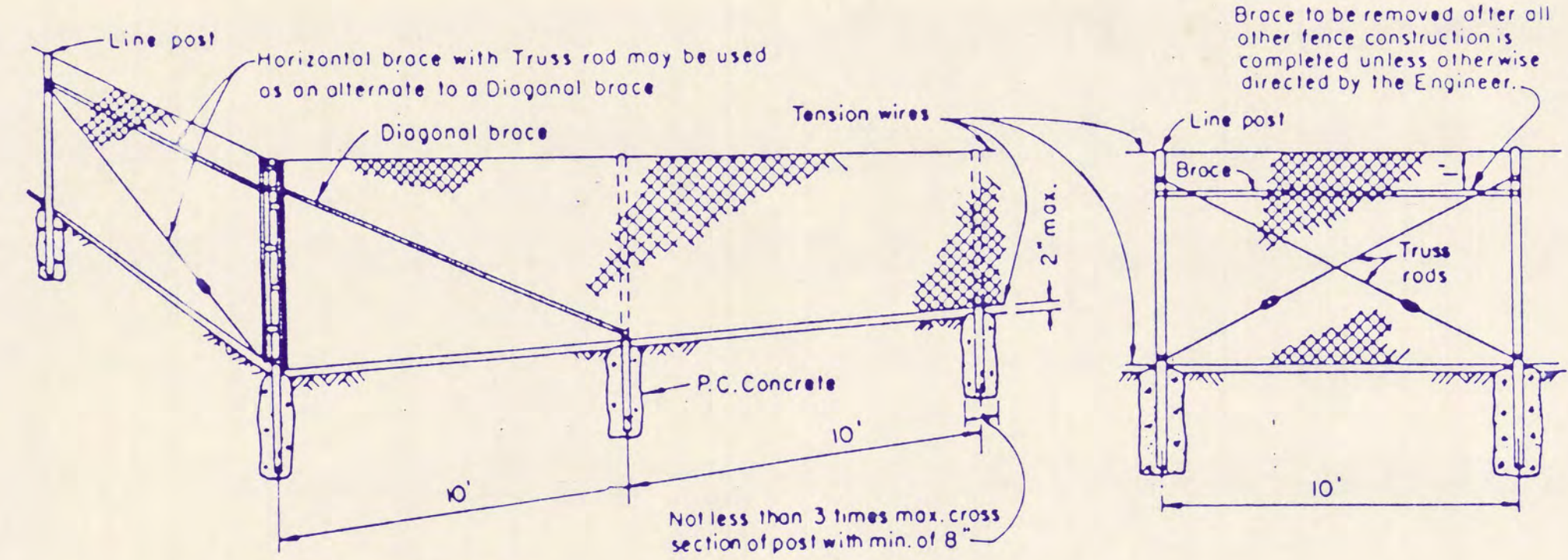
LEGEND

- INDICATES A.C. PAVING
- 17.00" FINISHED PAVEMENT
- SEWER MANHOLE



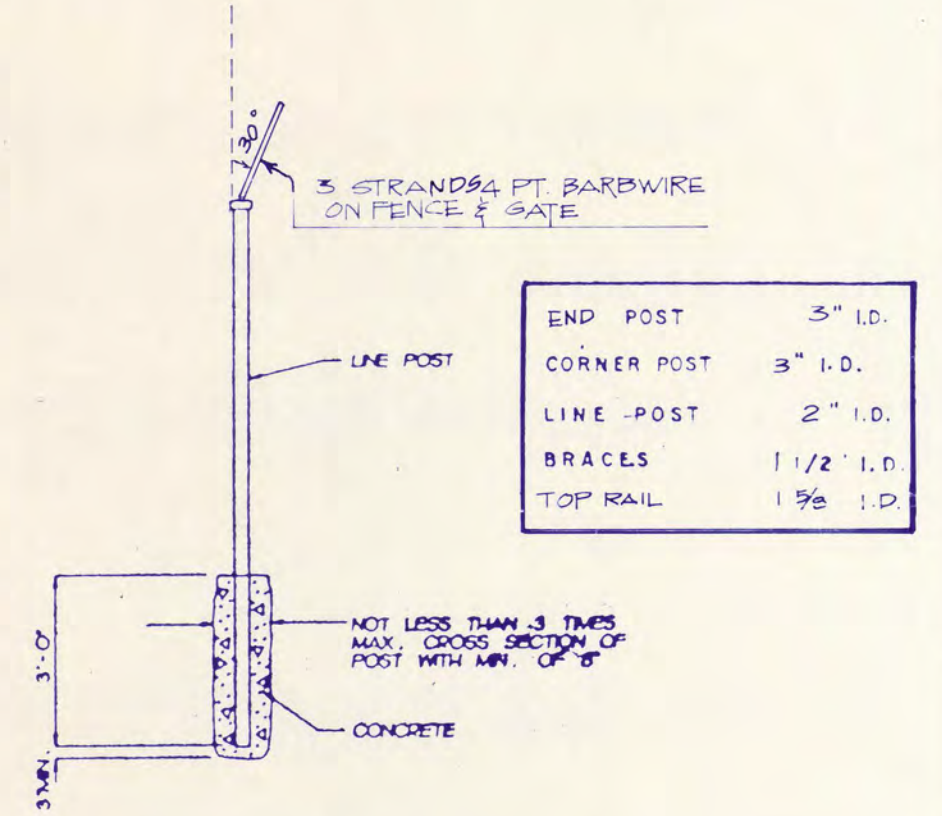
- NOTES:
- Manhole Frame and Cover shall be "RUGENIX P-1040" or "PINKERTON A-324" or equal.
 - Cover shall be designed to withstand H-20 Highway Loading.
 - Frame and Cover shall be fully machined to assure interchangeability and close, tight fit.

MANHOLE FRAME AND COVER

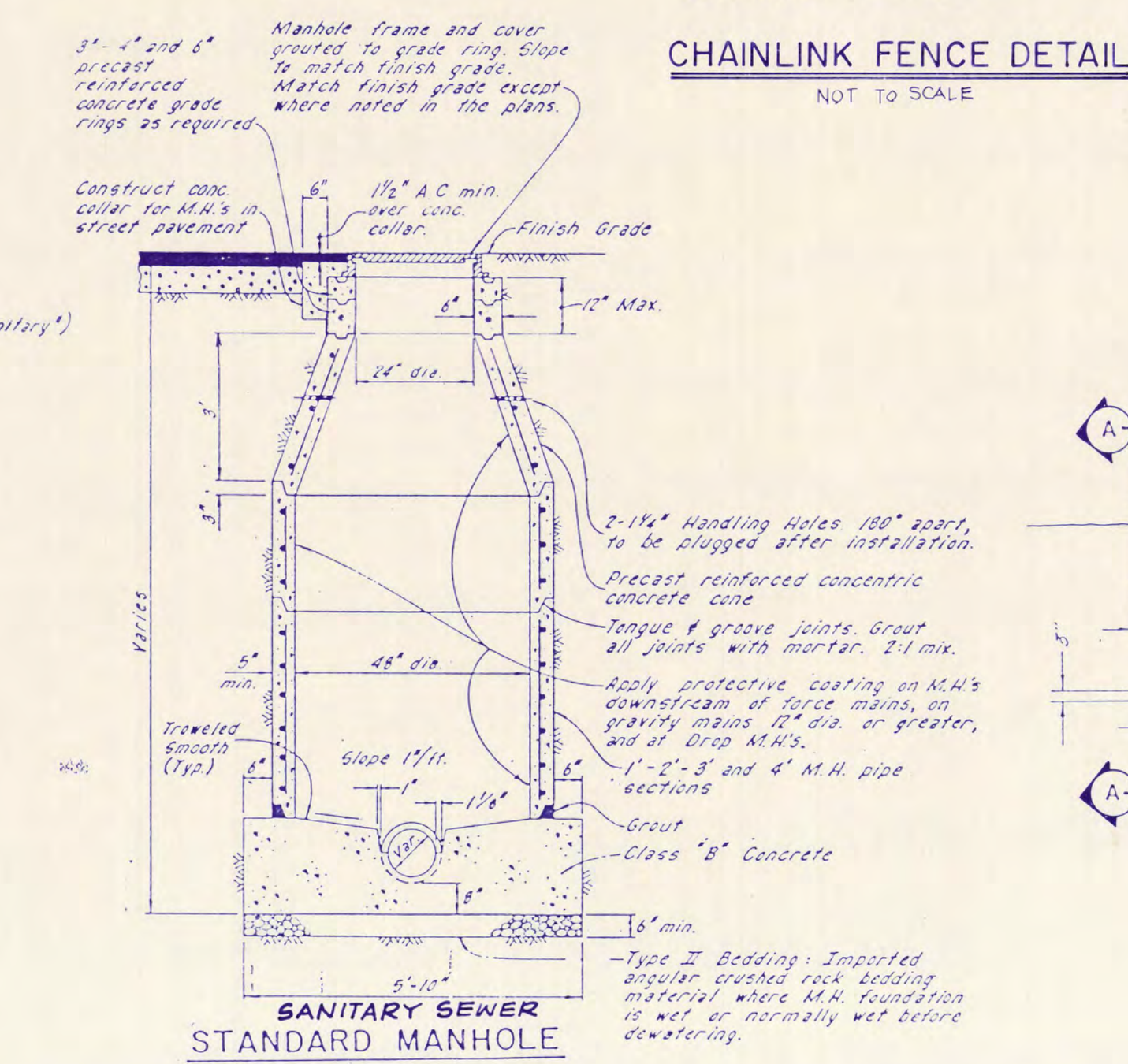


CHAINLINK FENCE DETAIL

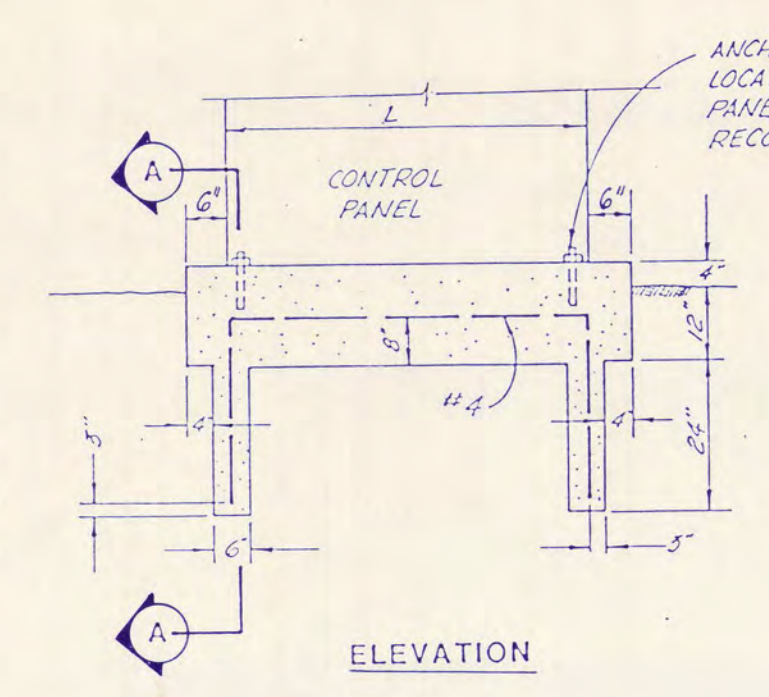
NOT TO SCALE



POST DETAIL



SANITARY SEWER STANDARD MANHOLE



ELECTRICAL PANEL FOUNDATION

N.T.S.

UNAUTHORIZED CHANGES & USES

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

RECORD DRAWING

DATE: JULY - 1989
SCALE: AS SHOWN
DRAWN BY: MTC
CHECKED BY: PRC
PROJ. MGR.: PRC
PROJ. ENGR.: DN

NO.	BY	DATE	REVISIONS
1	MTC	1-9-91	RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

DENVER, CO (303) 791-0666
ORANGE COUNTY (714) 446-5020
SACRAMENTO (916) 446-5020
SAN DIEGO (619) 278-9392
SAN JOSE (408) 287-3400
WALNUT CREEK (415) 934-8060

LATHROP

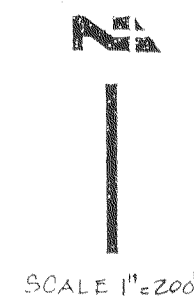
TRACT No. 2051
VALLEY HAVEN UNIT No. 1
SITE PLAN

CALIFORNIA

SHEET
33
OF 36 SHEETS
JOB NO.
2707-89-03

LATHROP SAN JOAQUIN COUNTY
CALIFORNIA

1. THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES AND AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. IF 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.
2. THE CONTRACTOR SHALL VISIT THE LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK. HE SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF ALL SUCH FACILITIES IN THE AREA OF CONSTRUCTION, AND SHALL NOTIFY UTILITIES TWENTY-FOUR HOURS IN ADVANCE OF ANY CONSTRUCTION. (UNDERGROUND SERVICE ALERT - (800) 642-2444)
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE REMOVAL, REPAIR, OR RELOCATION OF ALL EXISTING UTILITIES WITH RESPECTIVE UTILITY COMPANIES.
4. DUST CONTROL: APPROPRIATE DUST CONTROL SHALL BE PROVIDED FOR THE ALLEVATION OR PREVENTION OF DUST NOISANCE, AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT AUTHORIZATION FROM THE ENGINEER.
6. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY.
7. 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 AND SAN JOAQUIN COUNTY HARMLESS FROM ANY LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
8. BENCH MARK - TU - 33, EL. 15.79, BRASS CAP 820" WEST OF 5TH STREET, 30" NORTH OF LATHROP ROAD. ELEVATION 15.79 + 0.11 = ELEVATION 15.90 LCDW DATUM (U.S.G.S.)
9. THE CALIFORNIA DIVISION OF OCCUPATION SAFETY AND HEALTH ENFORCES THE REQUIREMENT THAT BUILDING AND CONSTRUCTION CONTRACTORS OBTAIN A PERMIT PRIOR TO COMMENCING CERTAIN TYPES OF HAZARDOUS ACTIVITY, AS SPECIFIED IN SECTION 6500 OF THE STATE LABOR CODE AND SECTION 341 OF TITLE 8 OF THE CALIFORNIA CODE OF REGULATIONS. THESE ACTIVITIES INCLUDE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE 4 FEET OR DEEPER AND INTO WHICH A PERSON IS REQUIRED TO DESCEND, OR THE CONSTRUCTION OR DEMOLITION OF ANY BUILDING, STRUCTURE, FALSEWORK, OR SCAFFOLDING MORE THAN THREE STORIES HIGH OR THE EQUIVALENT HEIGHT, AND THE UNDERGROUND USE OF DIESEL ENGINES IN WORK IN MINES AND TUNNELS. CONSTRUCTION PERMITS ARE ISSUED BY DISTRICT OFFICES OF THE DIVISION. THE SACRAMENTO OFFICE IS LOCATED AT:



32	TITLE SHEET
33	SITE PLAN
34	PLAN & DETAILS
35	ELECTRICAL SITE PLAN
36	ELECTRICAL PLAN & DETAILS

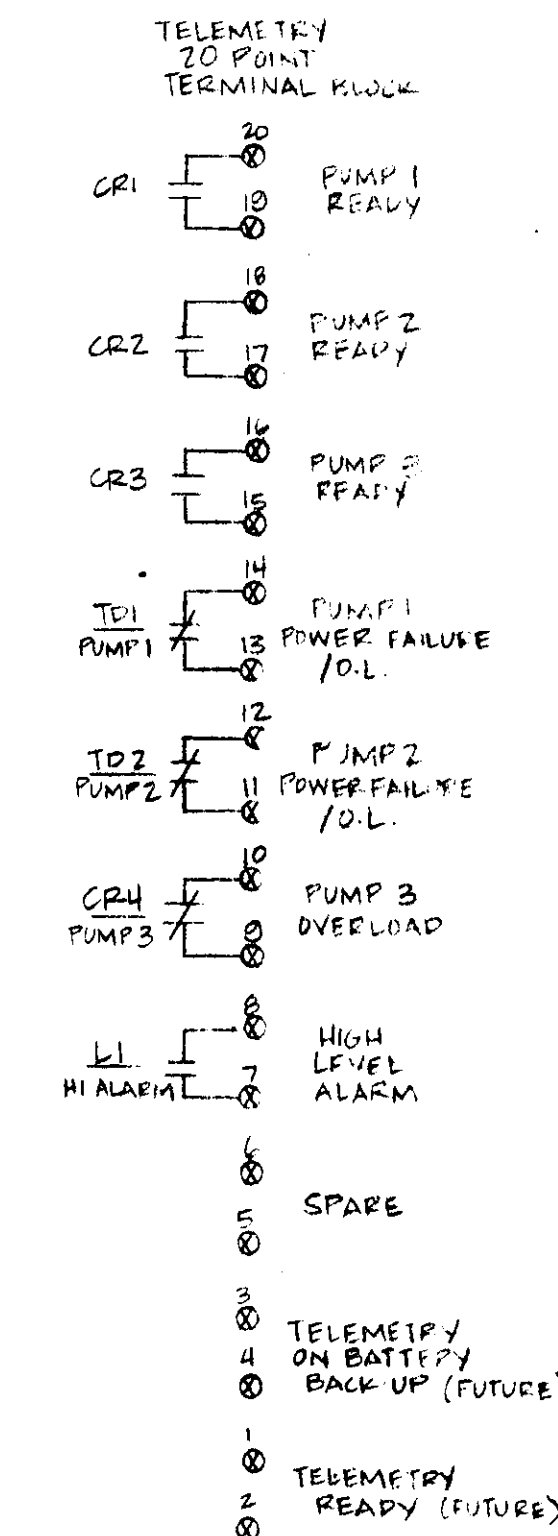
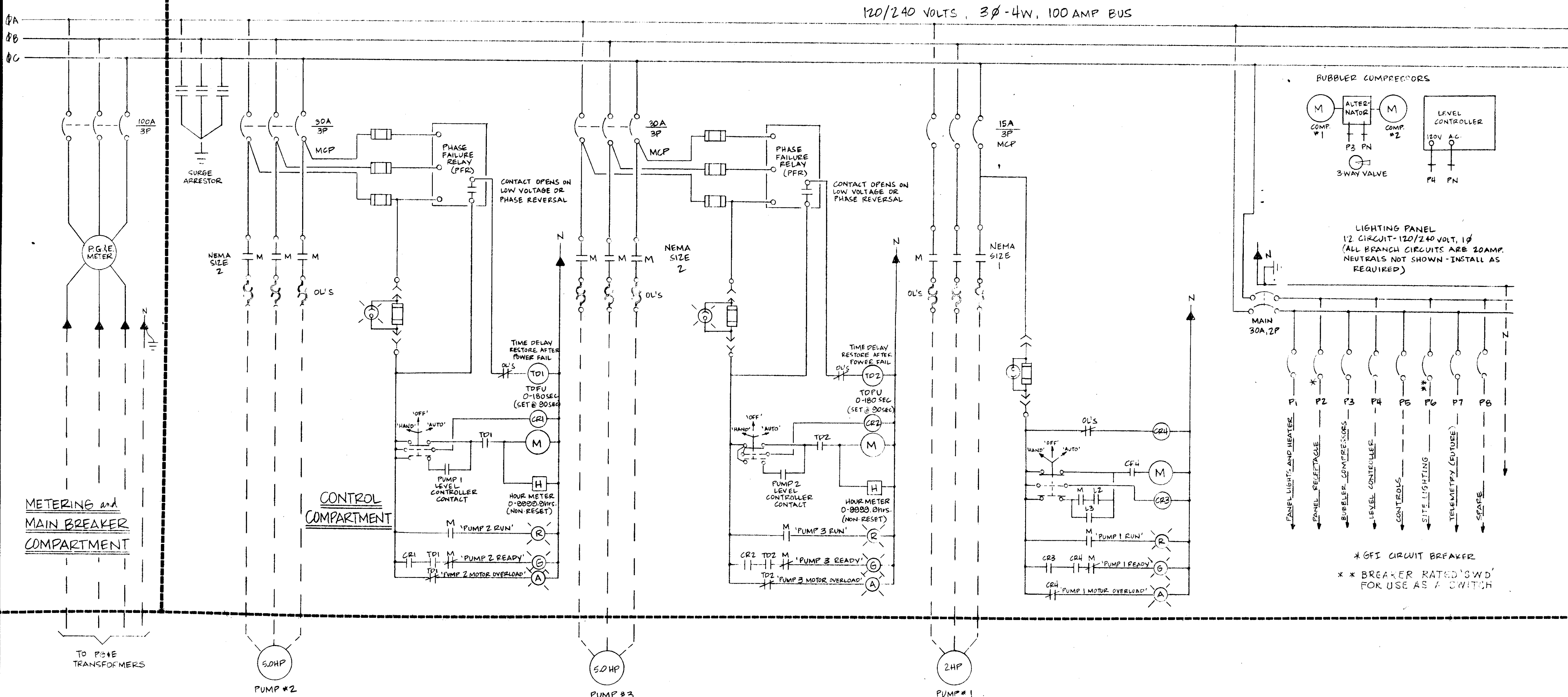


AN JOSE BLEIERMAN : DA

☐ DENVER, CO ☐ ORANGE COUNTY ☐ SACRAMENTO ☐ SAN DIEGO ☐ SAN JOSE ☐ WALNUT CREEK
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CALIFORNIA

SHEET
32
OF 36 SHEETS
JOB NO.
2707-89-03



TELEMETRY COMPARTMENT

* GFI CIRCUIT BREAKER
 * * BREAKER RATED '3ØW' FOR USE AS A SWITCH

- NOTES:**
1. COMPARTMENT LIGHTING, GFI RECEPTACLES, AND HEATER CIRCUIT ARE NOT SHOWN FOR CLARITY. SUPPLY FOR EACH COMPARTMENT AND WIRE PER STANDARD CONFIGURATION.
 2. PER NATIONAL ELECTRICAL CODE (NEC) ARTICLE 384-3(4), THE CENTER PHASE (3Ø) BUS OF THE SERVICE PANEL SHALL BE THE 'HIGH LEG' (208V) TO GROUND. COORDINATE WITH P&ID METERING FOR CORRECT BUNDLING OF P&ID INCOMING FEEDER FROM THE METERING SECTION.
 3. THE CENTER PHASE (3Ø) BUS SHALL BE CLEARLY MARKED AS THE 'HIGH LEG' TO GROUND PER NEC ARTICLES 215-8, 230-50 & 384-3(6).
 4. 120VOLT LOADS MUST NEVER BE CONNECTED FROM THE CENTER PHASE BUS TO THE NEUTRAL.

UNAUTHORIZED CHANGES & USES

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RECORD DRAWING

DATE: July 1988
 SCALE: As Shown
 DRAWN BY: EETS
 CHECKED BY: EETS
 PROJ. MGR: EETS
 PROJ. ENGR: EETS

NO.	BY	DATE	REVISIONS

NOLTE and ASSOCIATES
 Engineers / Planners / Surveyors

DENVER, CO. ORANGE COUNTY SACRAMENTO SAN DIEGO SAN JOSE WILSON CREEK
 (303) 791-0566 (714) 817-5001 (916) 446-5820 (619) 278-5192 (408) 287-5400 (415) 814-8041

ELECTRICAL ENGINEERING & TESTING SERVICES, INC.

10725 FAIR OAKS BLVD., SUITE B
 P.O. BOX 1075, FAIR OAKS, CA 95628
 (916) 965-1312

PUMP STATION CONTROL SCHEMATIC

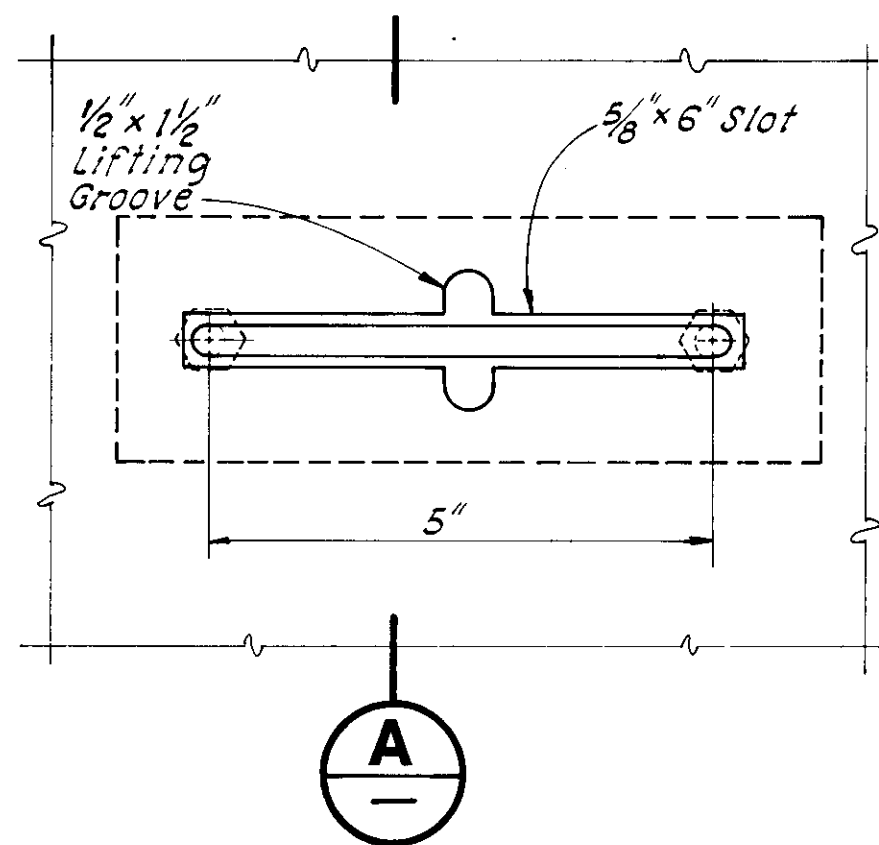
VALLEY HAVEN STORMWATER CONTROL FACILITIES

LATHROP SAN JOAQUIN COUNTY CALIFORNIA



SHEET
31
 OF 36 SHEETS
 JOB NO.
2738-88-01

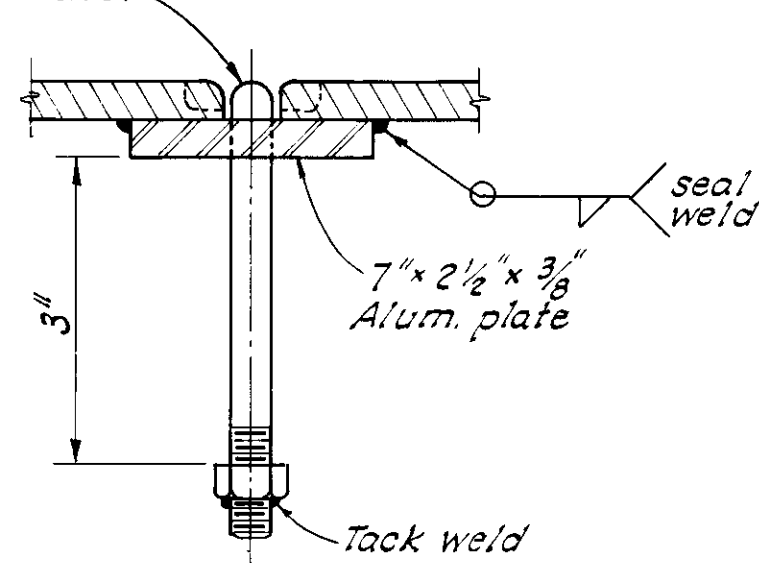
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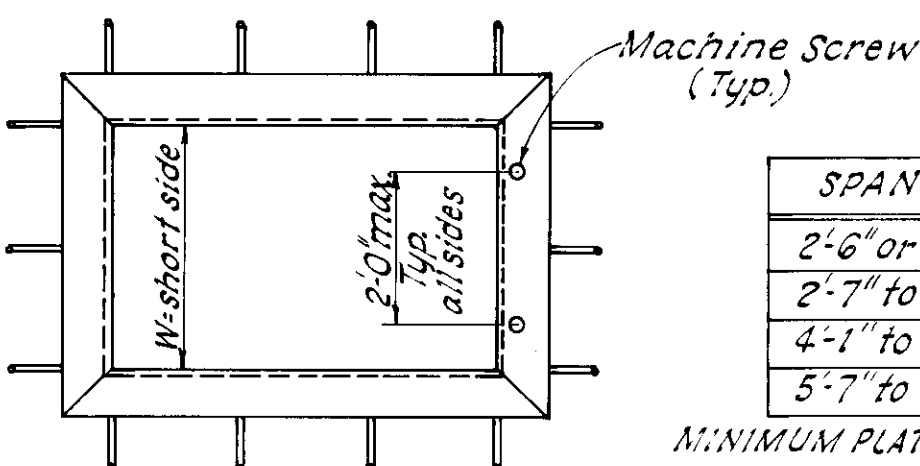
RETRACTABLE HANDLE

DETAIL 1
3

3/8" Dia. bent rod threaded each end, with hex nuts.



SECTION A



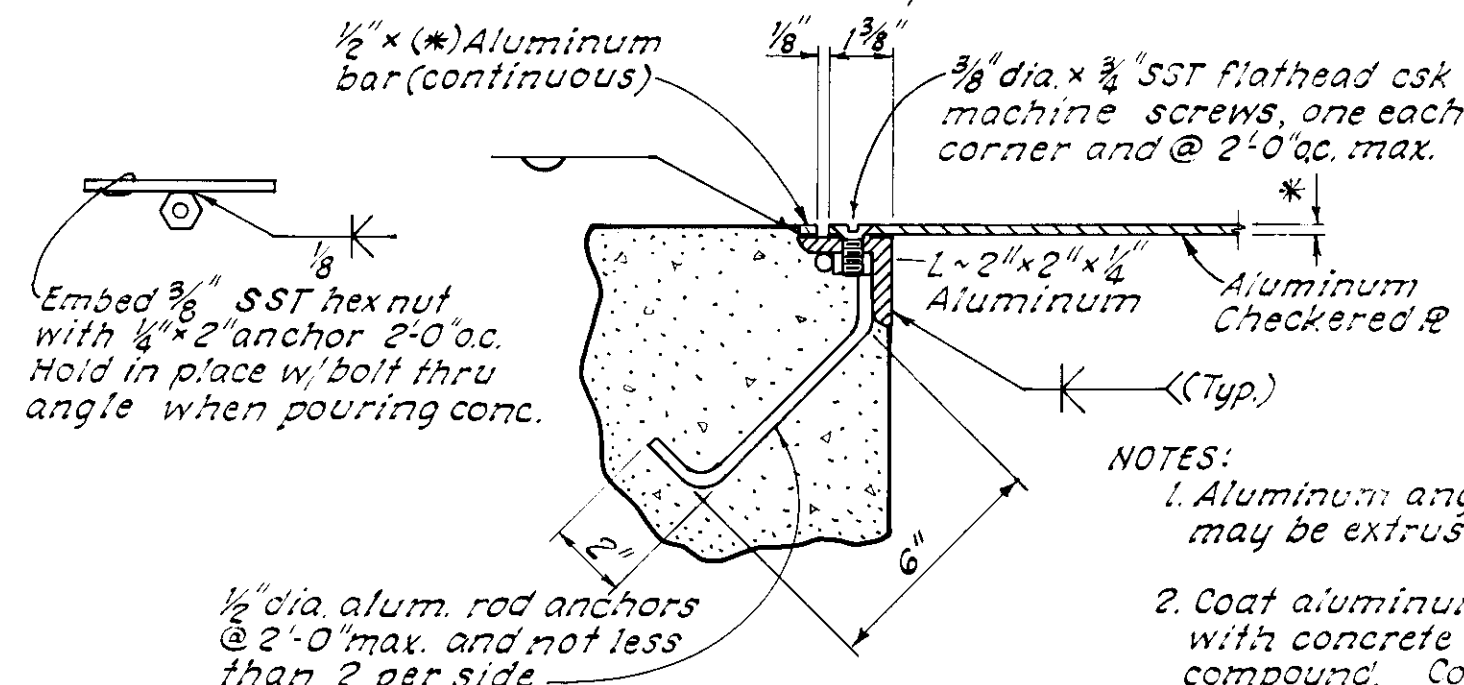
PLAN

SPAN (W)	THICKNESS*
2'0" or less	1/4"
2'7" to 4'0"	3/8"
4'1" to 5'6"	1/2"
5'7" to 8'0"	3/4"

MINIMUM PLATE THICKNESS SCHEDULE

*Aluminum bar and checked R thickness to match. See Plans for thickness.

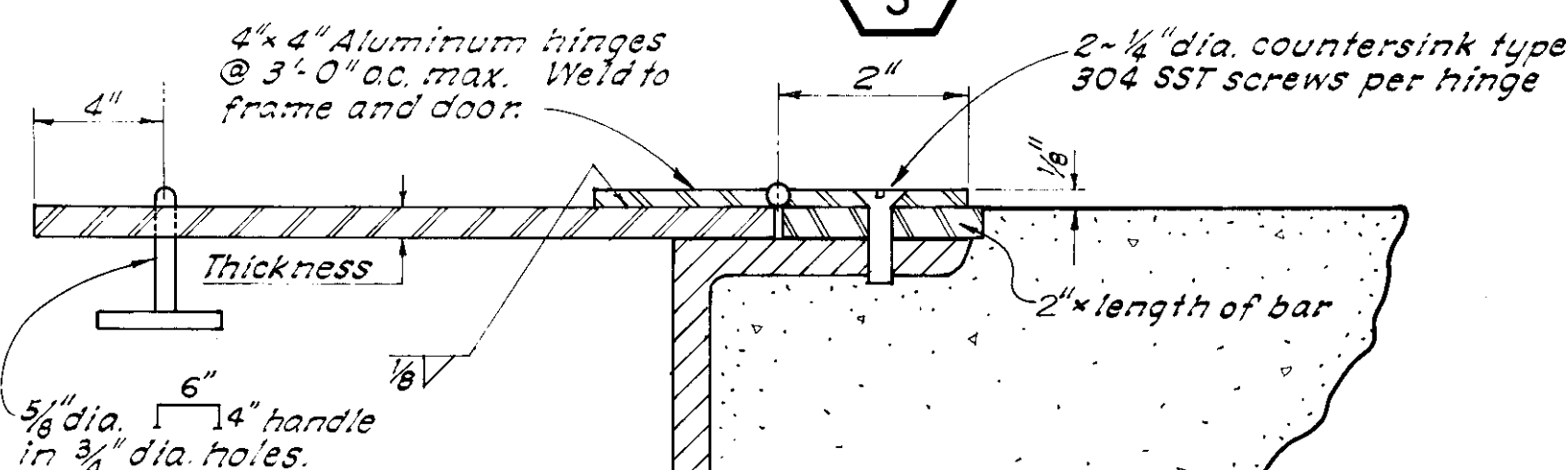
Note: Omit screws where hinge is specified.



SECTIONAL ELEVATION

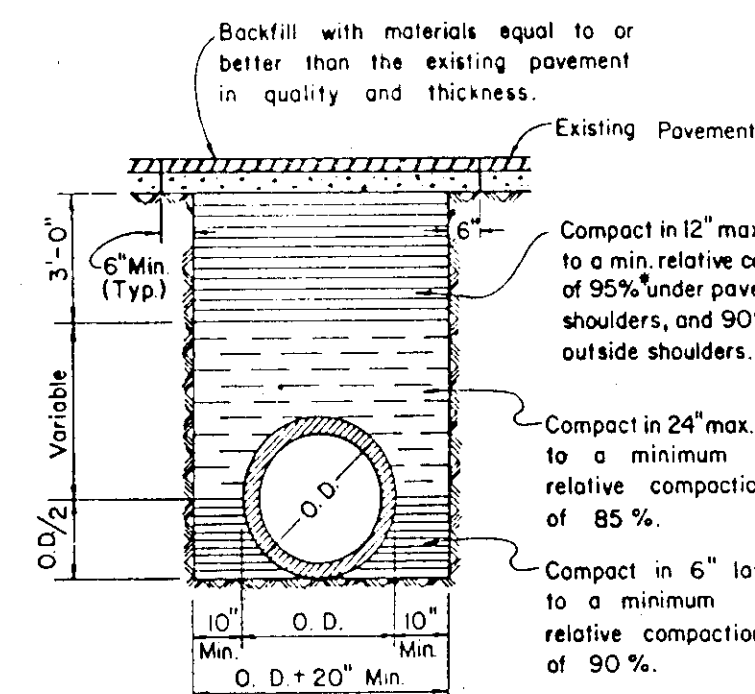
CHECKED PLATE SEAT

DETAIL 2
3



CHECKERED PLATE HINGE

DETAIL 3
3



NOTES:

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

TYPICAL TRENCH BACKFILL

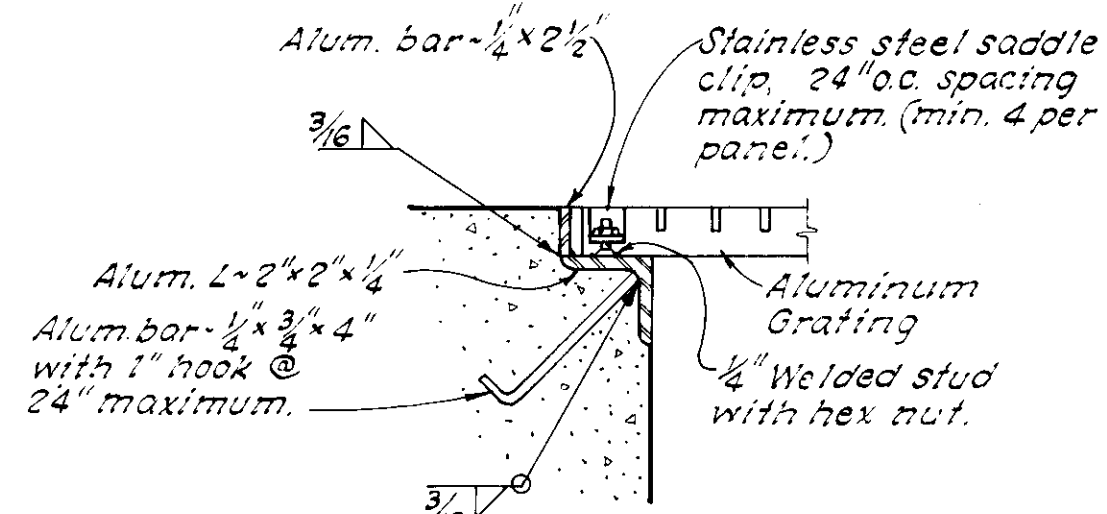
DETAIL 4
3

FOR OPENING 6" DIA. AND LARGER ADD DIAGONAL BARS AT CENTER OF SLABS OR WALLS SAME SIZE AS MAIN BAR (SQUARED OPENING SIMILAR)

ADD THESE BARS TO EQUAL AREA OF CUT MAIN BARS

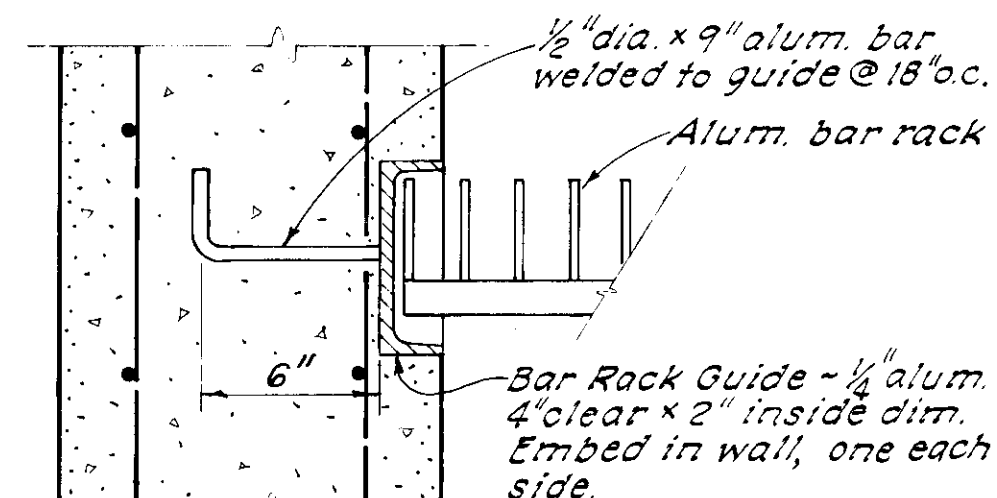
OPENING IN SLAB OR WALL

DETAIL 5
3



GRATING SEAT

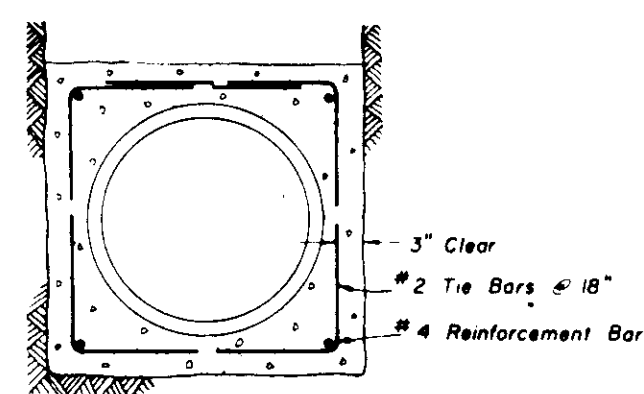
DETAIL 6
3



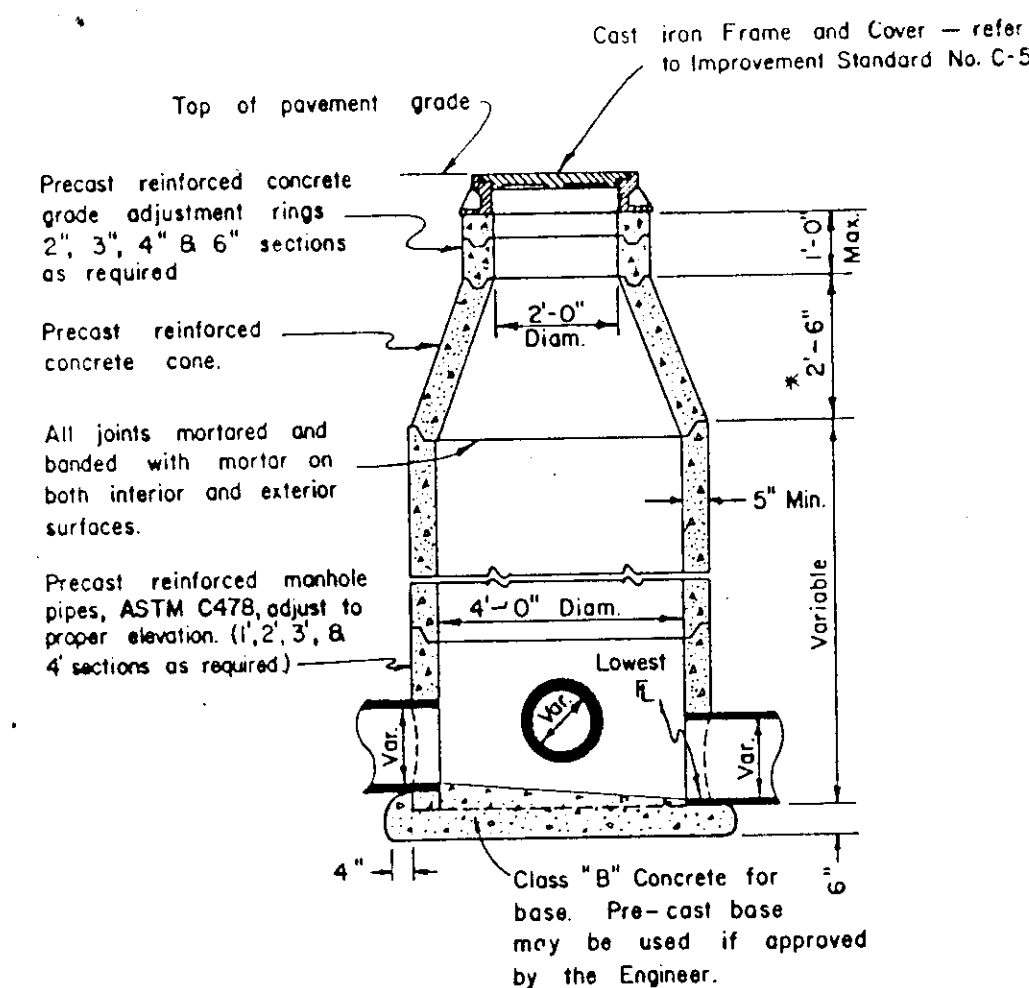
SECTION

BAR RACK GUIDE INSTALLATION

DETAIL 7
3

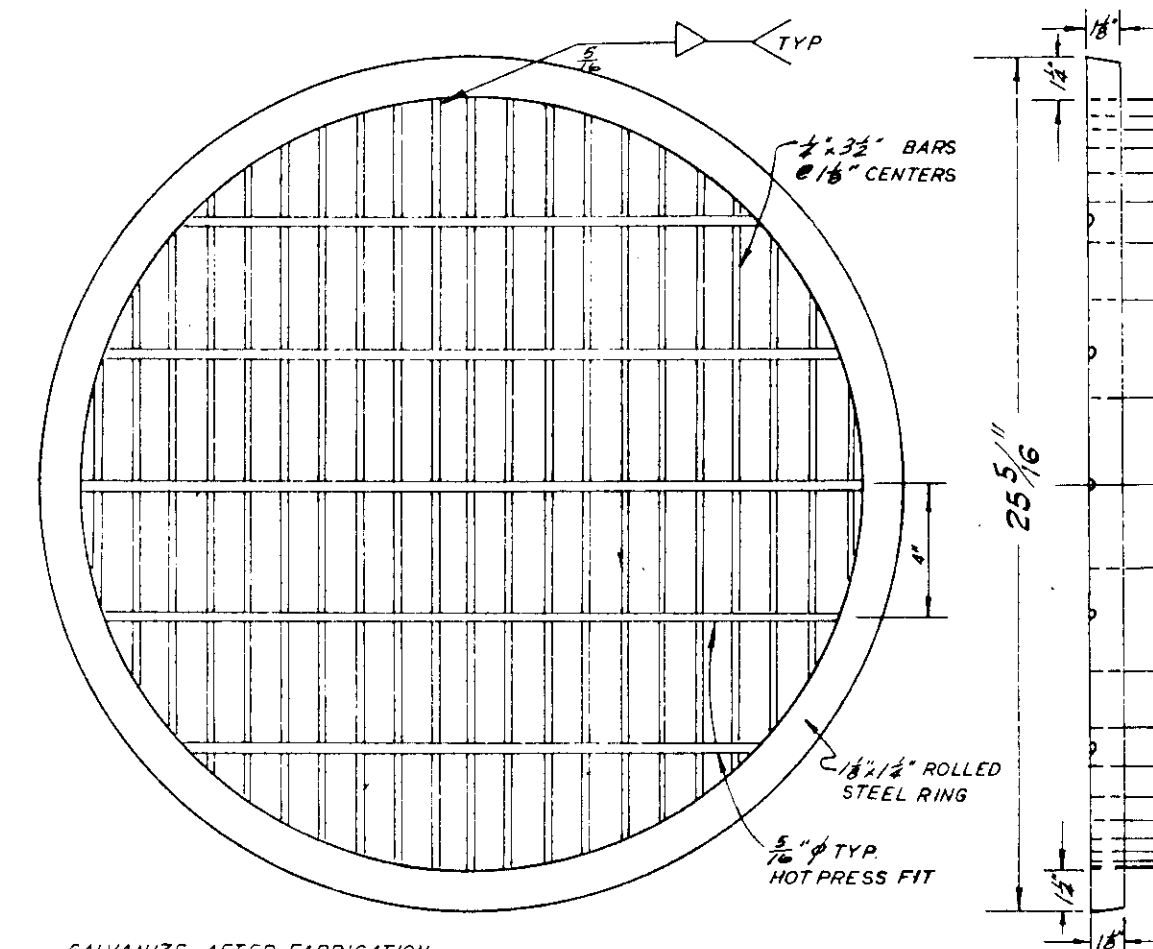


COMPLETE ENCASEMENT



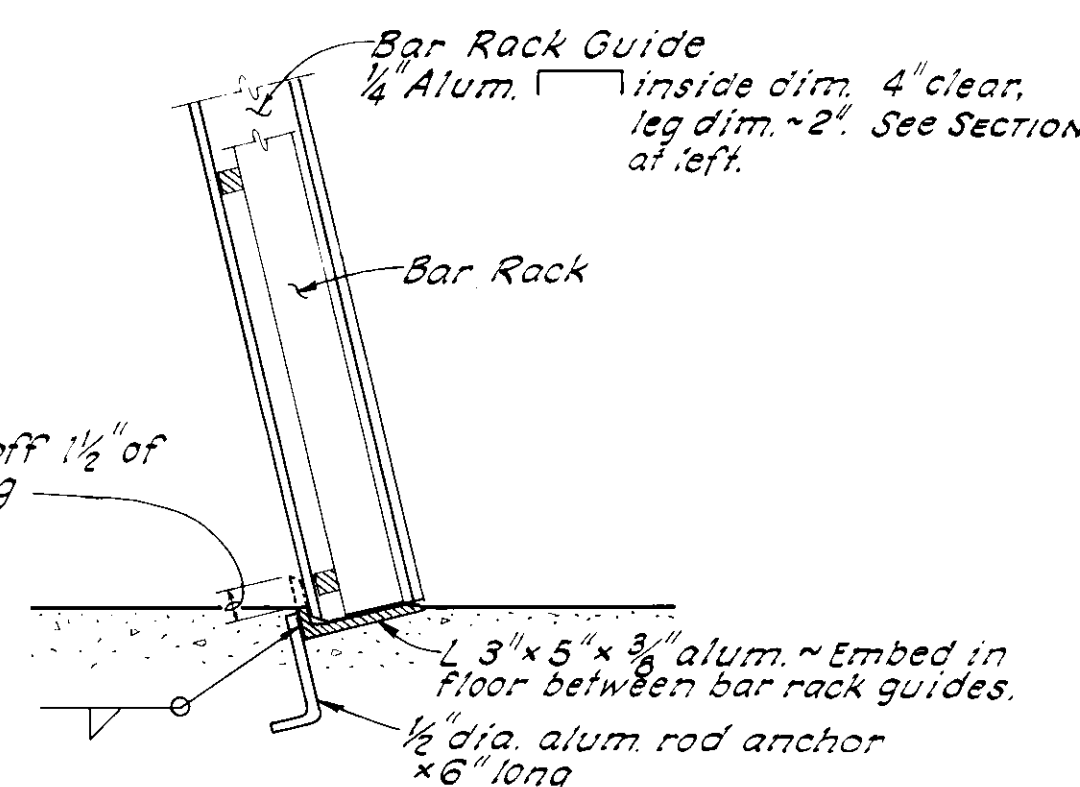
STORM SEWER MANHOLE

DETAIL 8
2

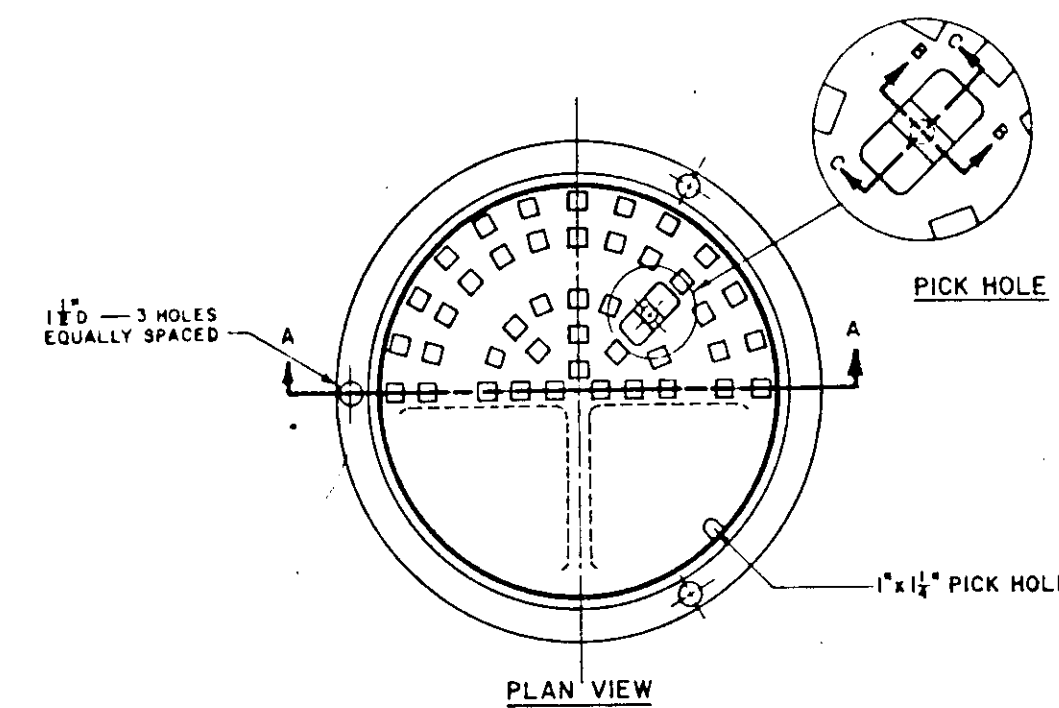


GRATE MANHOLE COVER

DETAIL 9
2



ELEVATION



MANHOLE FRAME AND COVER

DETAIL 10
2

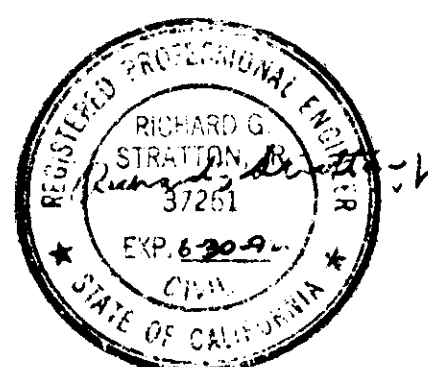
THRUST BLOCK DESCRIPTION	THRUST BLOCK SIZE			
	DIAMETER OF PIPE INCHES	HORIZONTAL SURFACE AREA SQ. FT.	BEND THICKNESS INCHES	WEIGHT AT VERTICAL BENDS - LBS.
90° BENDS	6 OR LESS	7	14	6,000
	8	13	18	10,700
	10	19	24	16,700
	12	26	24	24,000
	14	35	30	32,600
TEES & DEAD ENDS	6 OR LESS	5	12	—
	8	9	15	—
	10	14	18	—
	12	19	24	—
	14	25	24	—
NOTE:	18	39	36	—
	ALL VALUES SHOWN ARE MINIMUM FOR A HYDROSTATIC PRESSURE OF 150 P.S.I. AND A SOIL RESISTANCE OF 270 P.S.F./FT. DEPTH WITH PIPELINE A MINIMUM OF 3 FT. OF COVER. CONCRETE SHALL BE 2500 P.S.I. AT 28 DAYS.			

THRUST BLOCK DETAILS

DETAIL 11
3

UNAUTHORIZED CHANGES & USES

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DATE: July 1988
SCALE: Not To Scale
DRAWN BY: MG/Transfer
CHECKED BY: RGS
PROJ. MGR: PRC
PROJ. ENGR: REA

NO.	BY	DATE	REVISIONS
1	MG	1-9-91	RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

SACRAMENTO (916) 440-5020
SAN DIEGO (619) 276-0192
SAN JOSE (408) 287-1000
WALNUT CREEK (415) 944-8941

DETAILS

VALLEY HAVEN STORMWATER CONTROL FACILITIES

SAN JOAQUIN COUNTY

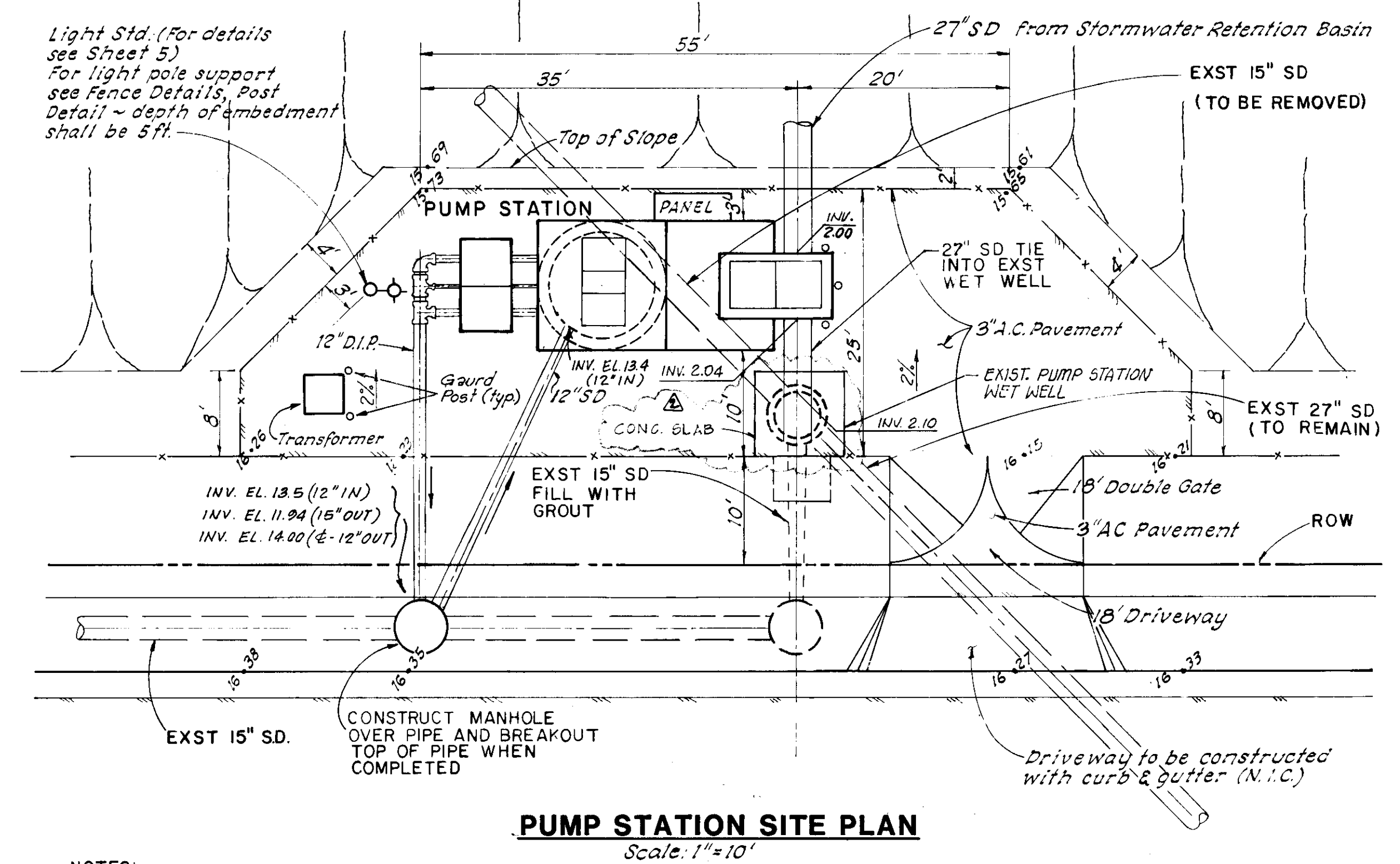
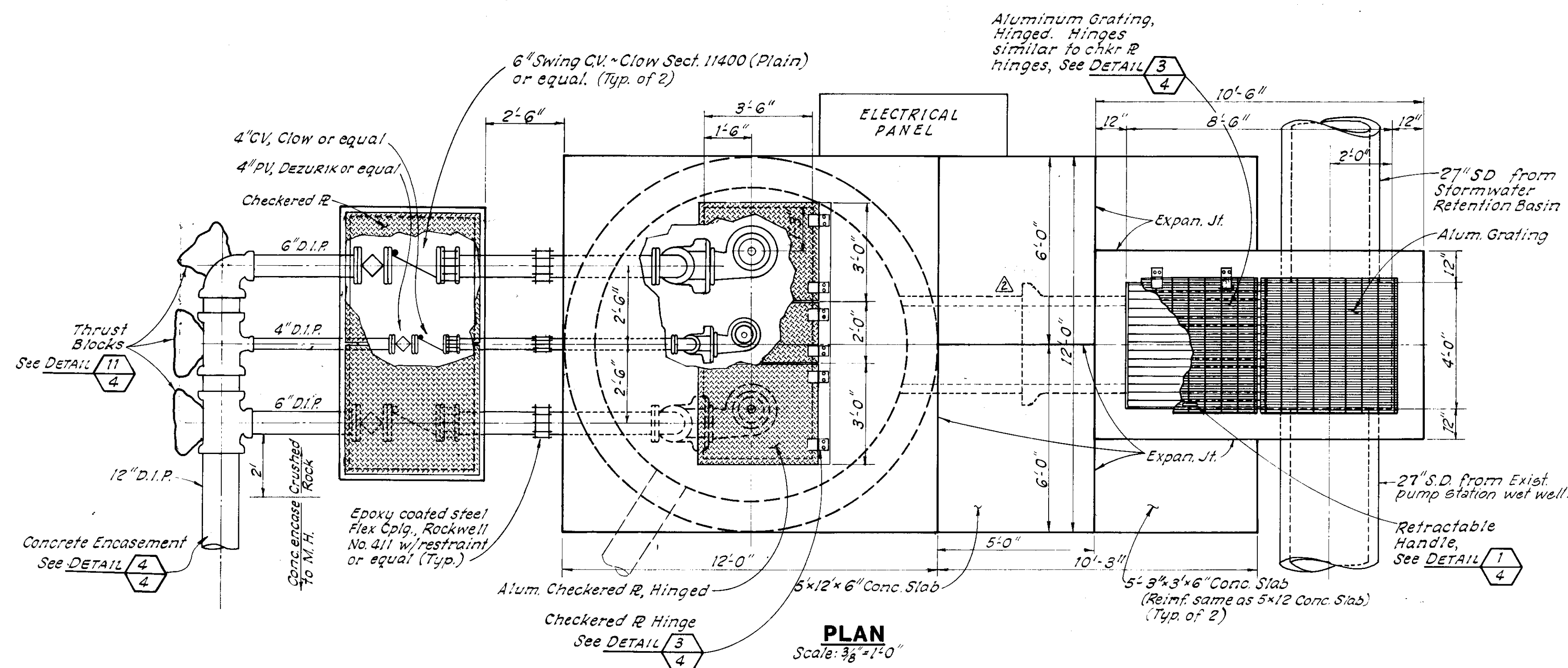
CALIFORNIA

SHEET

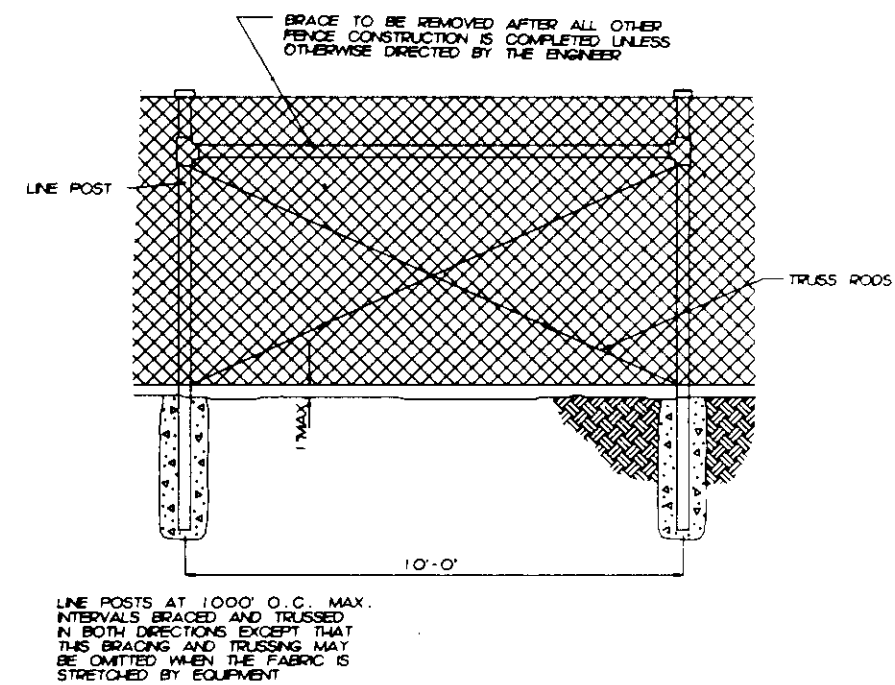
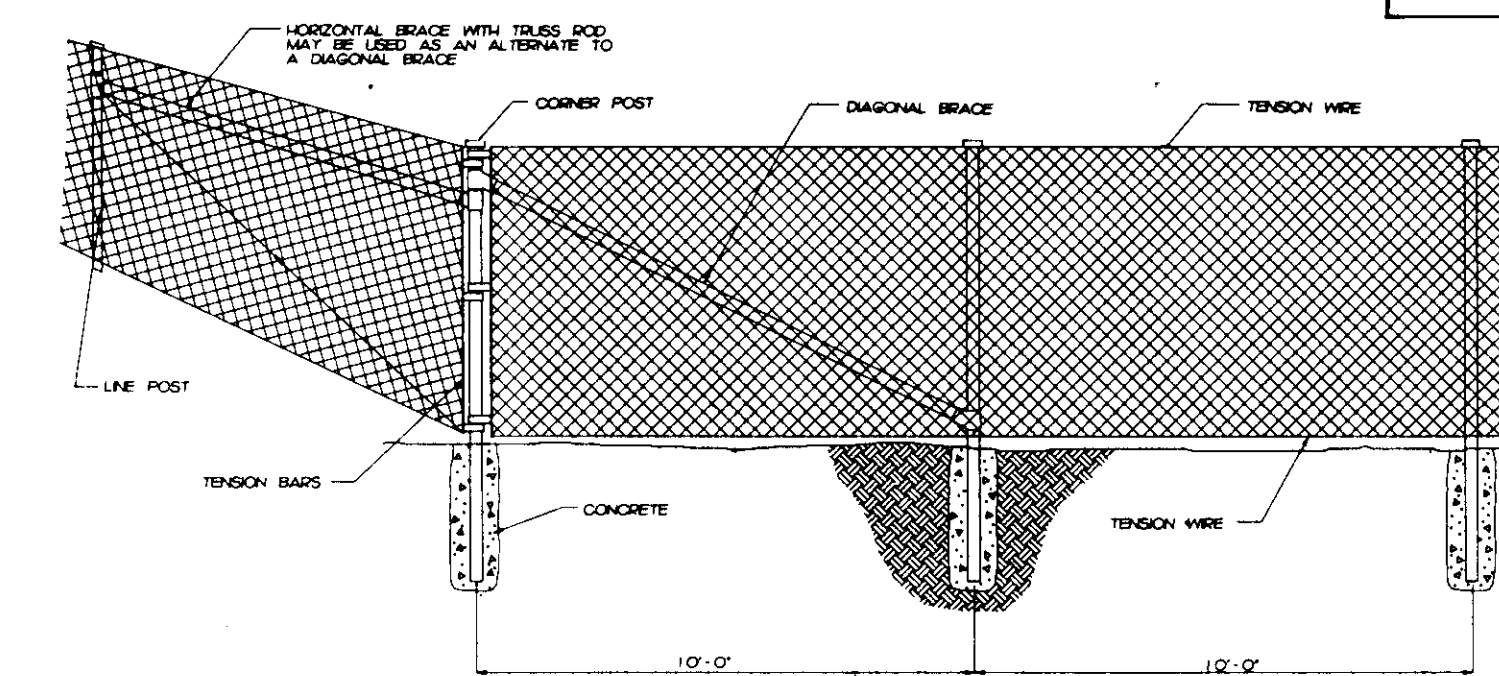
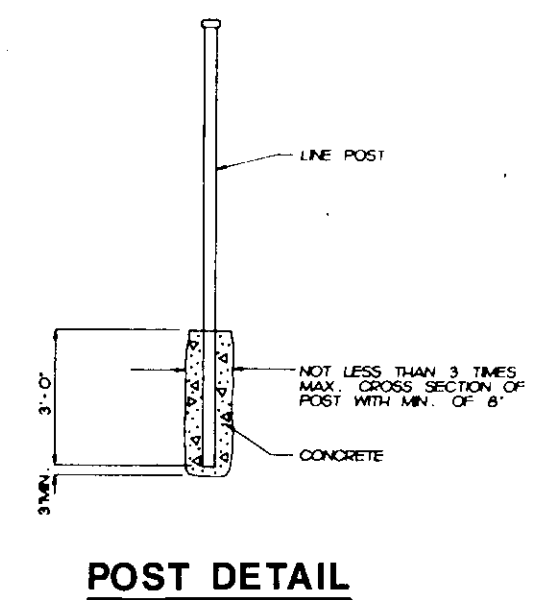
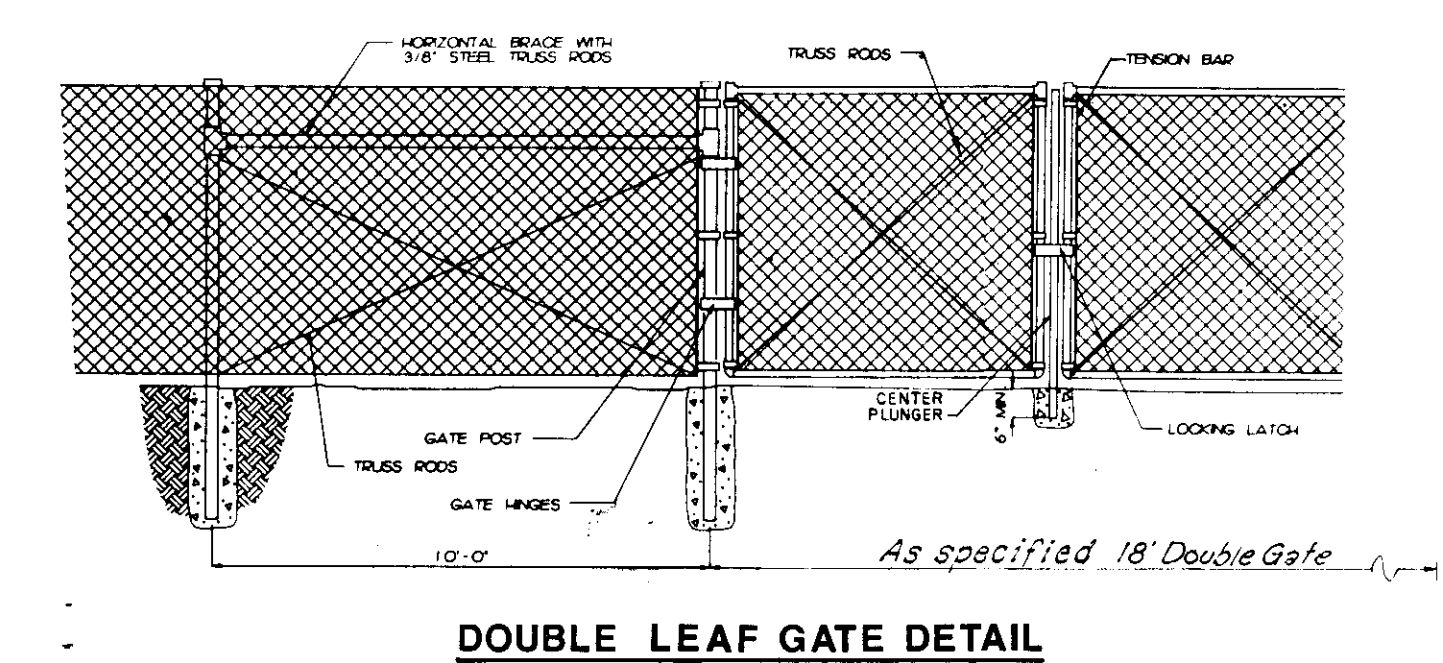
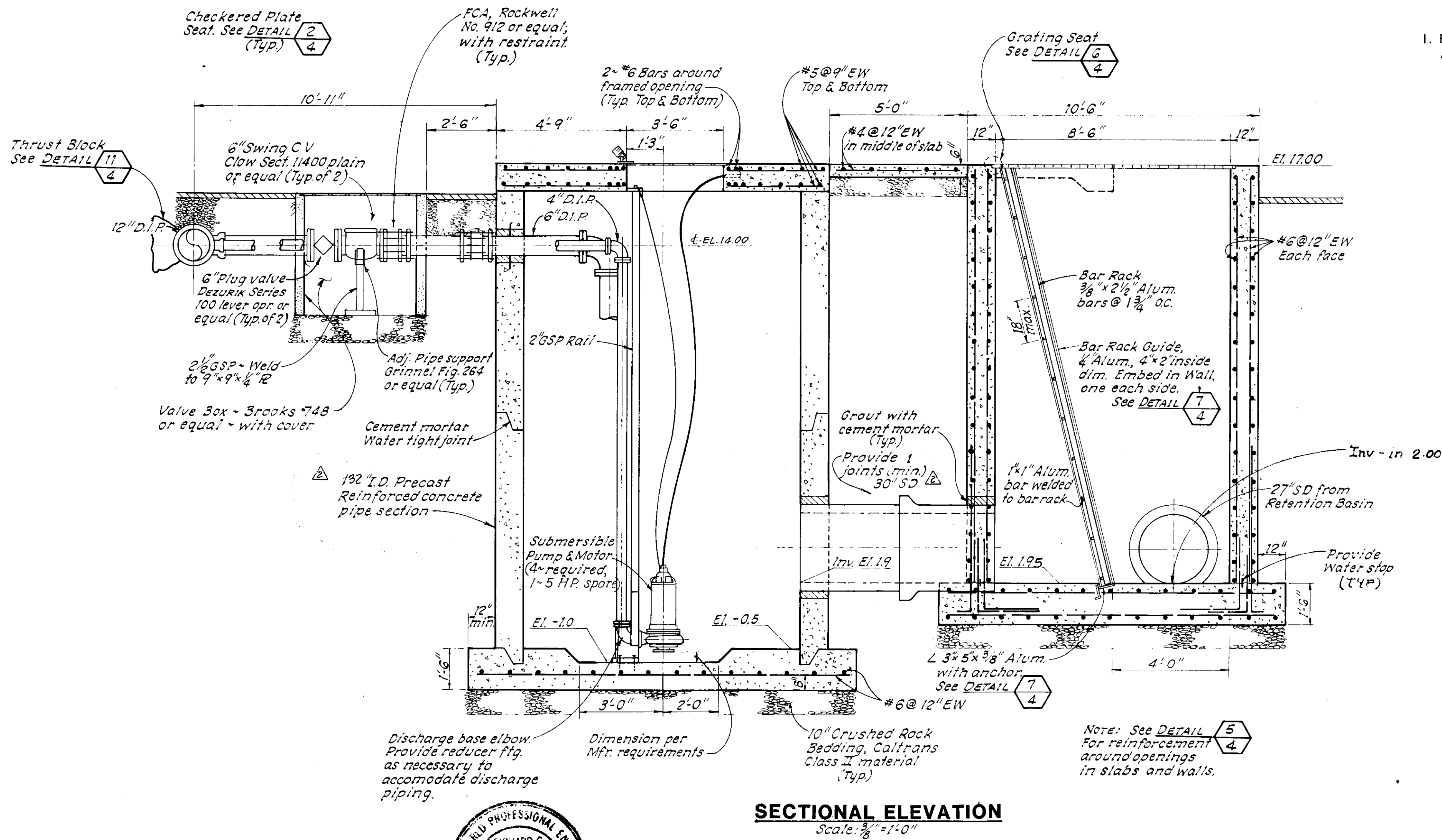
28

OF 36 SHEETS
JOB NO.

2738-88-01

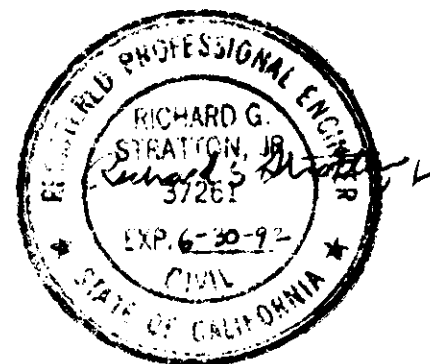


- NOTES:
1. REMOVE PUMPS AND PIPING FROM EXISTING PUMP STATION, WET WELL (SHALL BE PROPERTY OF THE OWNER) AND PLUG EXST 15" S.D. OUTLET, AND FILL WET WELL TO ELEV. 210 TO CONFORM TO THE INVERT OF 27" SD TO NEW PUMP STATION.



UNAUTHORIZED CHANGES & USES

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.



SECOND DRAWING

DATE: <u>July 1988</u>	△				
SCALE: <u>As Shown</u>	△				
DRAWN BY: <u>M.G.</u>	△				
CHECKED BY: <u>R.G.S.</u>	△				
PROJ. MGR: <u>P.R.C.</u>	△	MITC	1-9-91	ADDED CONC. SLAB TO EXIST. PUMP/WT. WELL, RECORD DRAWING.	
PROJ. ENGR: <u>R.E.A.</u>	△			WAS 2 JOINT, WAS 120" ID PRECAST	
	NO.	BY	DATE	REVISIONS	

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

SACRAMENTO (916) 446-5620 SAN DIEGO (619) 278-9392 SAN JOSE (408) 287-3400 WALNUT CREEK (415) 934-8060

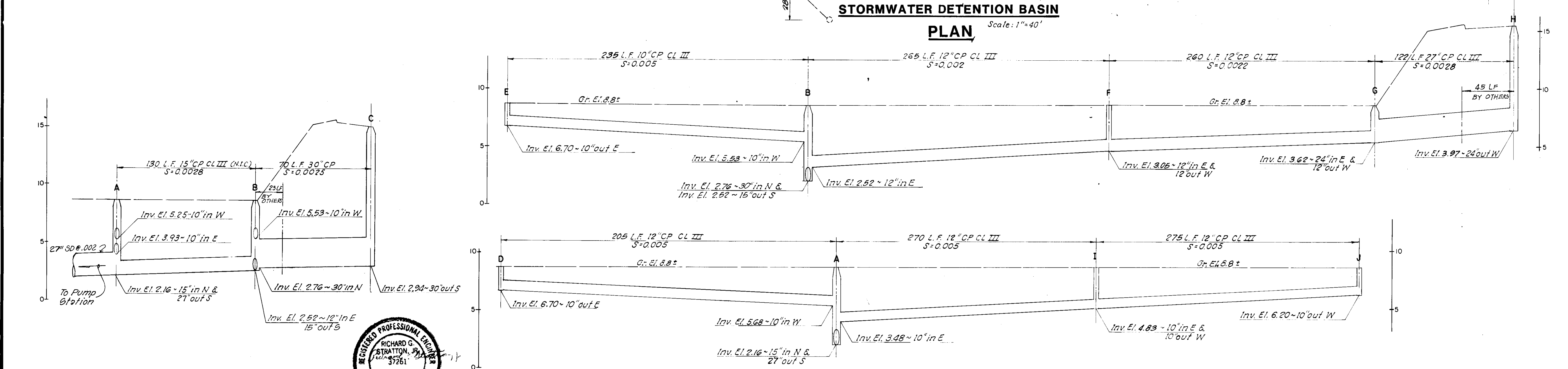
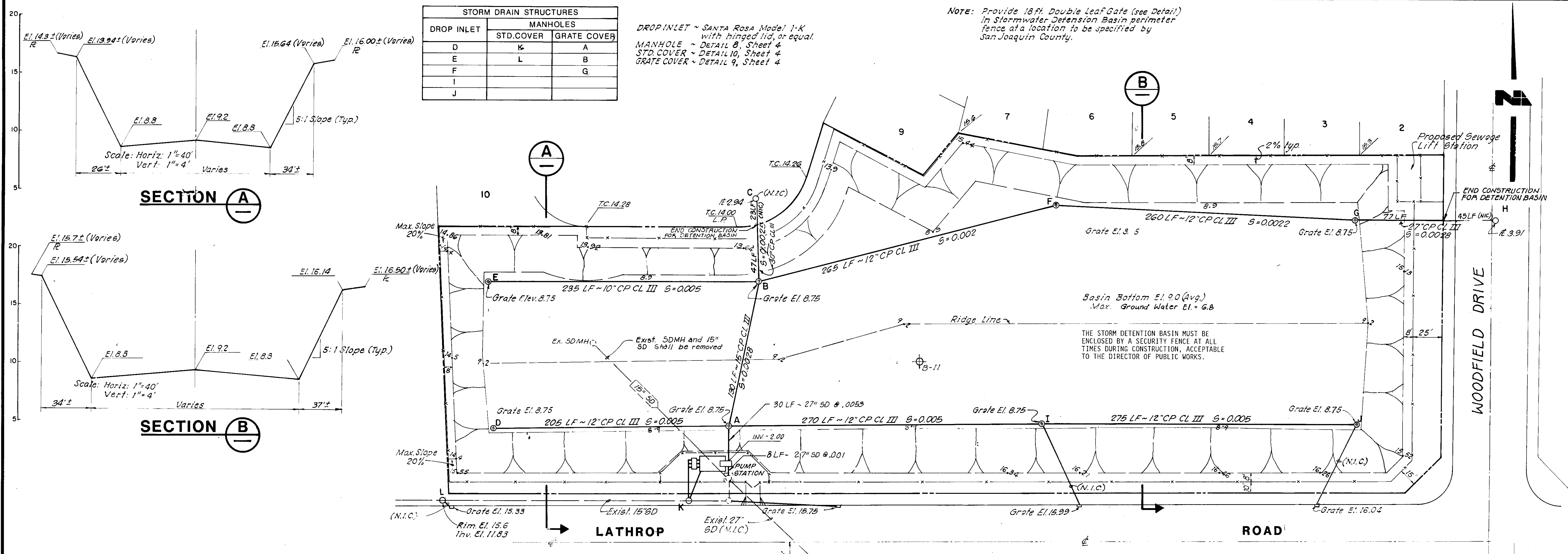
LATHROP

PUMP STATION

VALLEY HAVEN STORMWATER CONTROL FACILITIES

SAN JOAQUIN COUNTY

SHEET
27
OF 36 SHEETS
JOB NO
2738-88-01



UNAUTHORIZED CHANGES & USES

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RECORD DRAWING

STORM DRAIN PROFILES
Scale: Horiz: 1"=40'
Vert: 1"=4'

DROP INLET	MANHOLES	
	STD. COVER	GRATE COVER
D	K	A
E	L	B
F		G
I		
J		

DROP INLET ~ SANTA ROSA Model 1-K with hinged lid, or equal.
MANHOLE ~ DETAIL 8, Sheet 4
STD. COVER ~ DETAIL 10, Sheet 4
GRATE COVER ~ DETAIL 9, Sheet 4

NOTE: Provide 18 ft. Double Leaf Gate (see Detail) in Stormwater Detention Basin perimeter fence at a location to be specified by San Joaquin County.

SC-2253

DATE: July 1988
SCALE: Horiz: 1"=40', Vert: 1"=4'
DRAWN BY: MG
CHECKED BY: RGS
PROJ. MGR.: PRC
PROJ. ENGR.: KEA

NO.	BY	DATE	REVISIONS
1	MTG	1-9-91	RECORD DRAWING

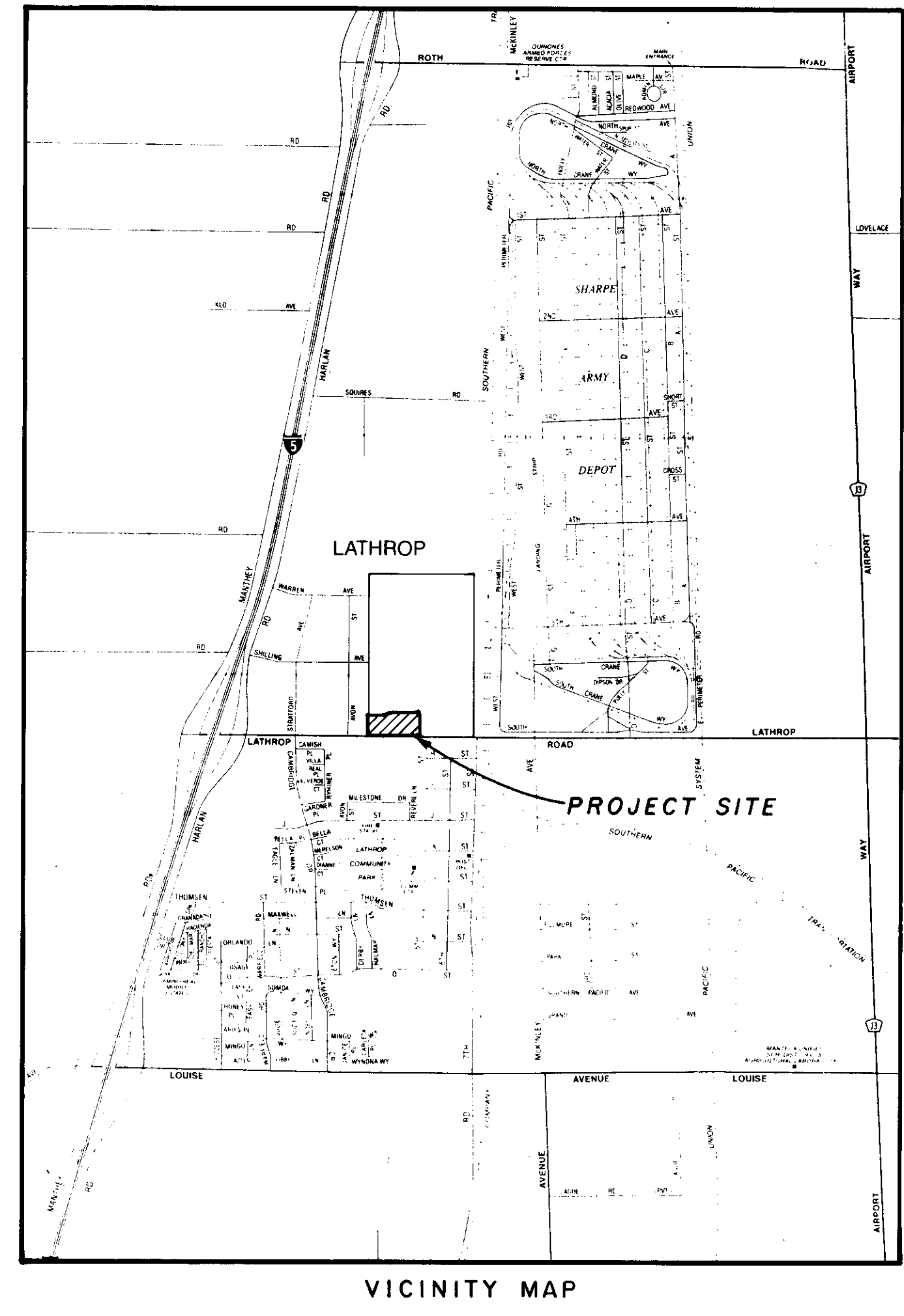
NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

SACRAMENTO (916) 446-5020 SAN DIEGO (619) 276-9192 SAN JOSE (415) 287-1400 WALNUT CREEK (415) 943-0960

STORMWATER DETENTION BASIN
VALLEY HAVEN STORMWATER CONTROL FACILITIES
LATHROP SAN JOAQUIN COUNTY CALIFORNIA

SHEET
26
OF 36 SHEETS
JOB NO.
2738-88-01

56-2254



GENERAL NOTES:

1. IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIALS NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES AND AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS. IF 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.
2. THE CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK. HE SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF ALL SUCH FACILITIES IN THE AREA OF CONSTRUCTION, AND SHALL NOTIFY UTILITIES TWENTY-FOUR HOURS IN ADVANCE OF ANY CONSTRUCTION. (UNDERGROUND SERVICE ALERT - (800) 642-2444).
3. CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE REMOVAL AND/OR RELOCATION OF ALL EXISTING UTILITIES WITH RESPECTIVE UTILITY COMPANIES.
4. DUST CONTROL: APPROPRIATE DUST CONTROL SHALL BE PROVIDED FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE, AT THE CONTRACTOR'S EXPENSE.
5. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT AUTHORIZATION FROM THE ENGINEER.
6. THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY.
7. 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 AND SAN JOAQUIN COUNTY HARMLESS FROM ANY LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DESIGN PROFESSIONAL.
8. BENCH MARK - TU - 33, EL. 15.79, BRASS CAP 820' WEST OF 5TH ST., 30' NORTH OF LATHROP ROAD (U.S.G.S.).
9. THE CONTRACTOR SHALL PROVIDE SHORING, BRACING, SLOPING OR PROVISIONS TO PROTECT WORKMEN FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF FIVE FEET OR MORE. SAID PROTECTION TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF SAN JOAQUIN COUNTY, DEPT. FOR PUBLIC WORKS, AND STATE REGULATIONS.

VALLEY HAVEN

STORMWATER CONTROL FACILITIES

LATHROP SAN JOAQUIN COUNTY CALIFORNIA

JULY 1988

PLANS PREPARED BY
NOLTE and ASSOCIATES
Engineers / Planners / Surveyors
1730 I Street, Sacramento, CA 95814

SUBMITTED BY:
NOLTE AND ASSOCIATES
Richard G. Stratton, Jr.

APPROVED BY:
CITY OF LATHROP

MANUEL LOPEZ, CITY ENGINEER



RECORD DRAWING

SV-2255

UNAUTHORIZED CHANGES & USES

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

DATE: MAY 1989
SCALE: 1"=40'
DRAWN BY:
CHECKED BY: PRC
PROJ. MGR: PRC
PROJ. ENGR: BN

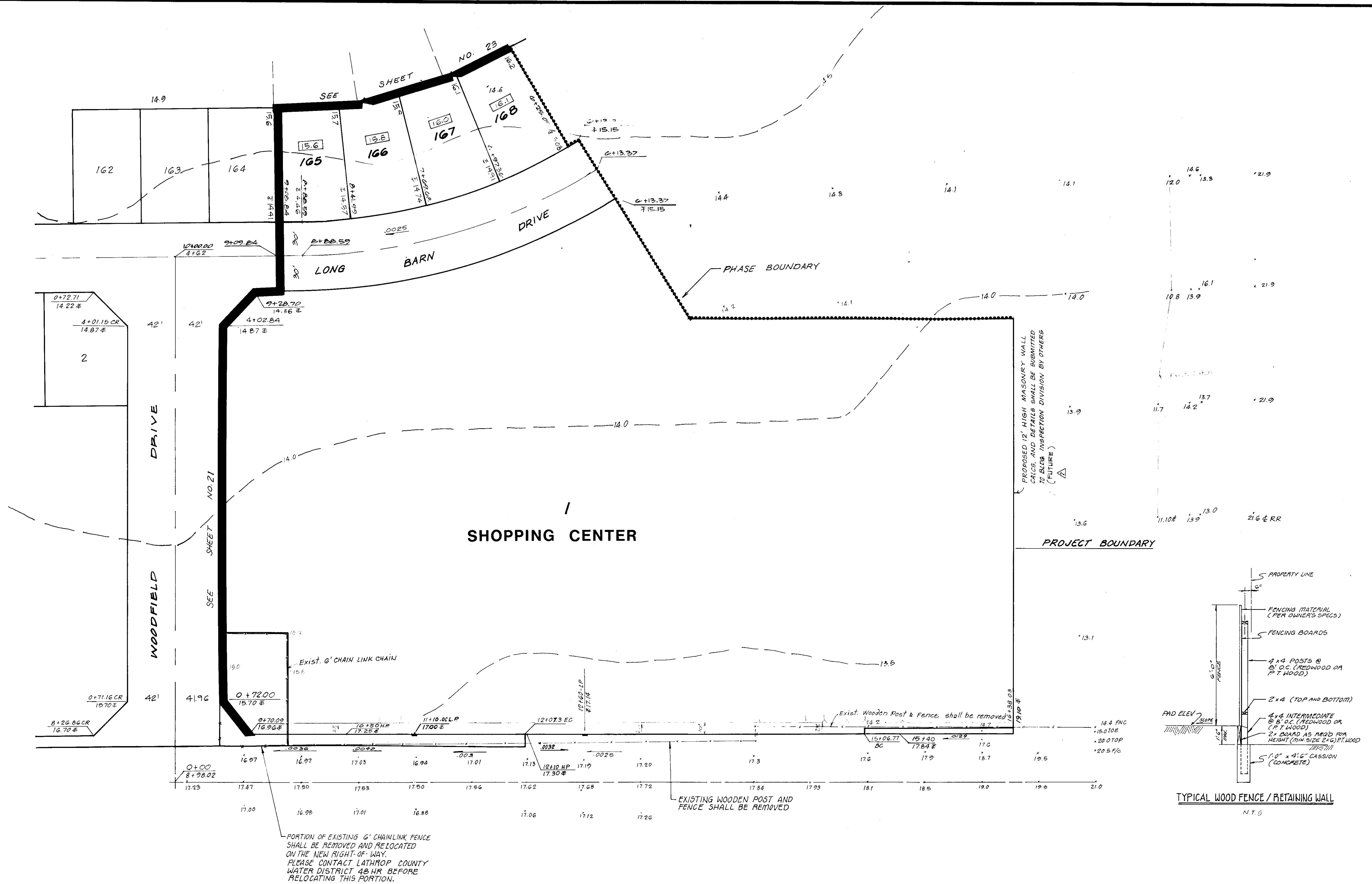
NO.	BY	DATE	REVISIONS
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36			

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

□ DENVER, CO □ ORANGE COUNTY □ SACRAMENTO □ SAN DIEGO □ SAN JOSE □ WALNUT CREEK
(303) 791-0666 (714) 837-5001 (916) 446-5020 (619) 278-9392 (408) 287-3400 (415) 934-8060

GRADING PLAN
VALLEY HAVEN
TRACT NO. 2051
UNIT NO. 1

SHEET
24
OF 36 SHEETS
JOB NO.
2704-89-00



RECORD DRAWING

REMOVE EXIST. IRRIGATION LINE,
STANDPIPES, VALVE BOXES,
AND POWER POLES.



1" = 40'

150

UNAUTHORIZED CHANGES & USES

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unauthorized changes to or uses of these plans. All changes to the plans must be
in writing and must be approved by the preparer of these plans.

DATE: MAY 1982
SCALE: 1" = 40'
DRAWN BY: PRC
CHECKED BY: PRC
PROJ. MGR: PRC
PROJ. ENGR: D.N.

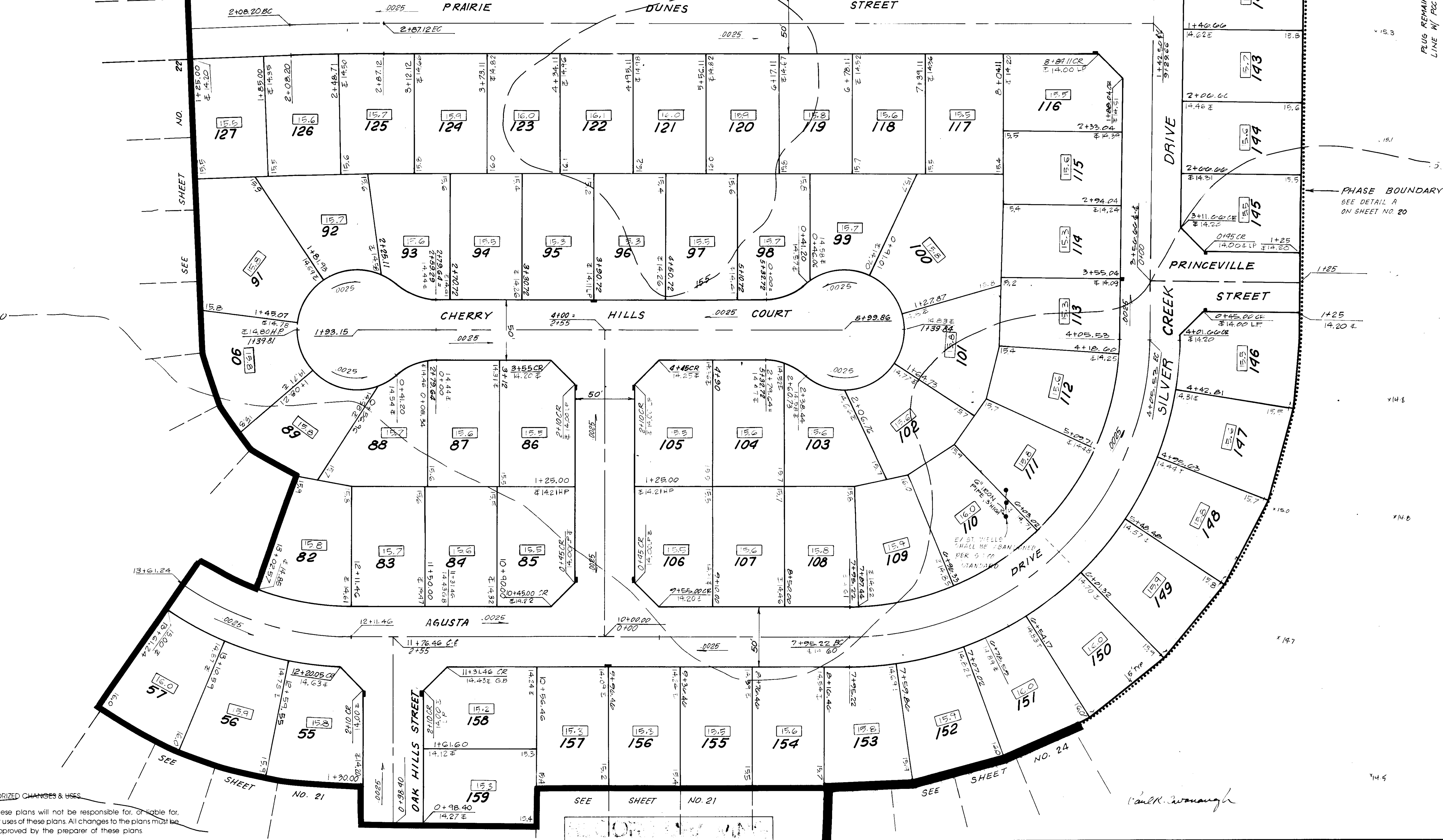
NO.	BY	DATE	REVISIONS
1	MT	1-9-91	RECORD DRAWING
2	DN	8-2-89	REVISED GRADINGS ON AGUSTA DRIVE

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

SACRAMENTO (916) 446-5020
SAN DIEGO (619) 278-9192
SAN JOSE (408) 297-1300
WALNUT CREEK (415) 944-8060

GRADING PLAN
VALLEY HAVEN
TRACT NO. 2051
UNIT NO. 1

SHEET
23
36 SHEETS
JOB NO.
2704-09-00



SU-2258

UNAUTHORIZED CHANGES & USES

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

DATE: MAY 1989
SCALE: 1"=40'
DRAWN BY:
CHECKED BY: PRC
PROJ MGR: PRC
PROJ ENGR: D.N.

△			
△			
△			
△			
△	MTG	1-9-91	RECORD DRAWING
△	DN	8-2-89	REVISED GRADING ON AGUSTA DRIVE
NO	BY	DATE	REVISIONS

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

SACRAMENTO
(916) 446-3020

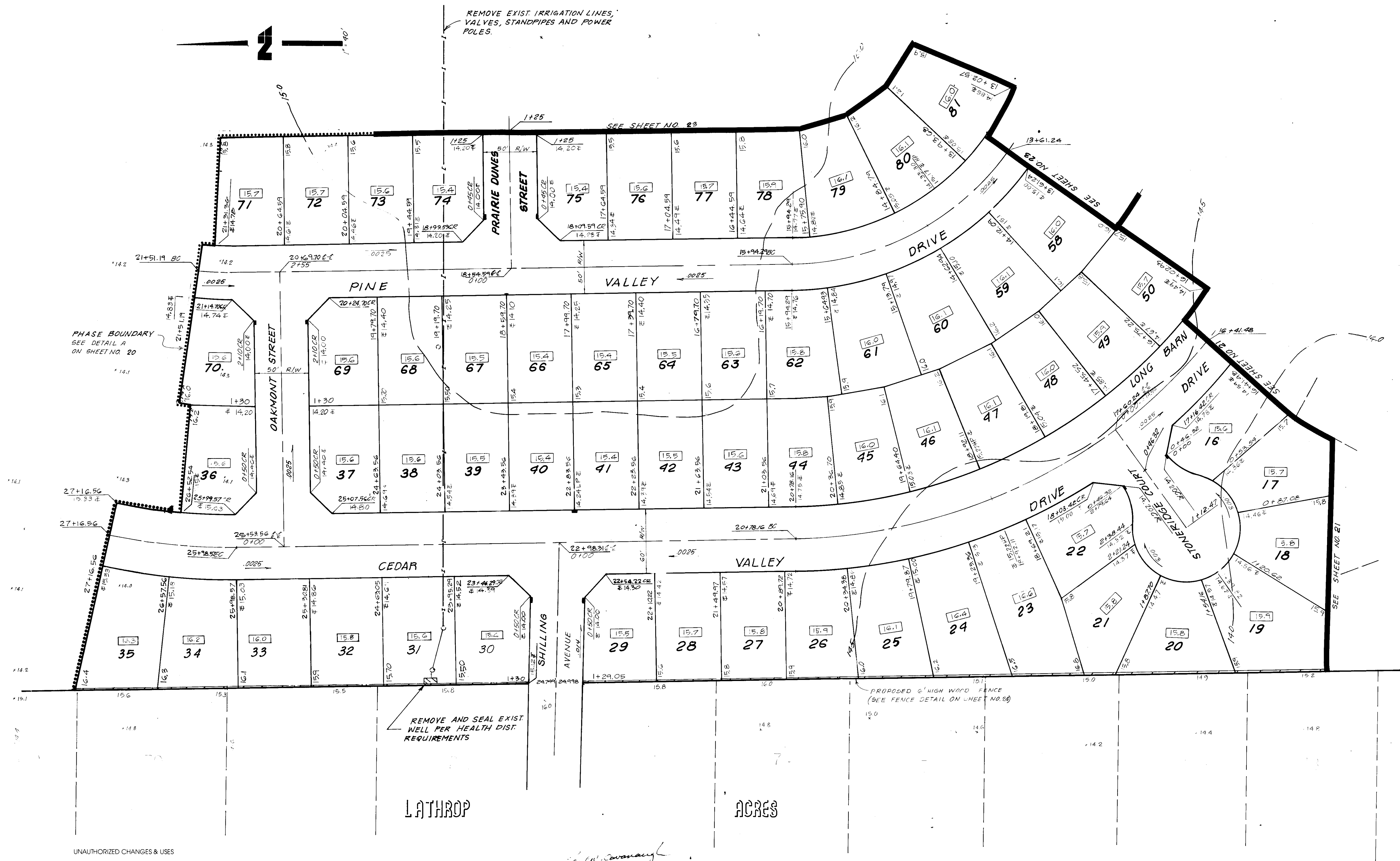
SAN DIEGO
(619) 278-9122

SAN JOSE
(415) 297-4400

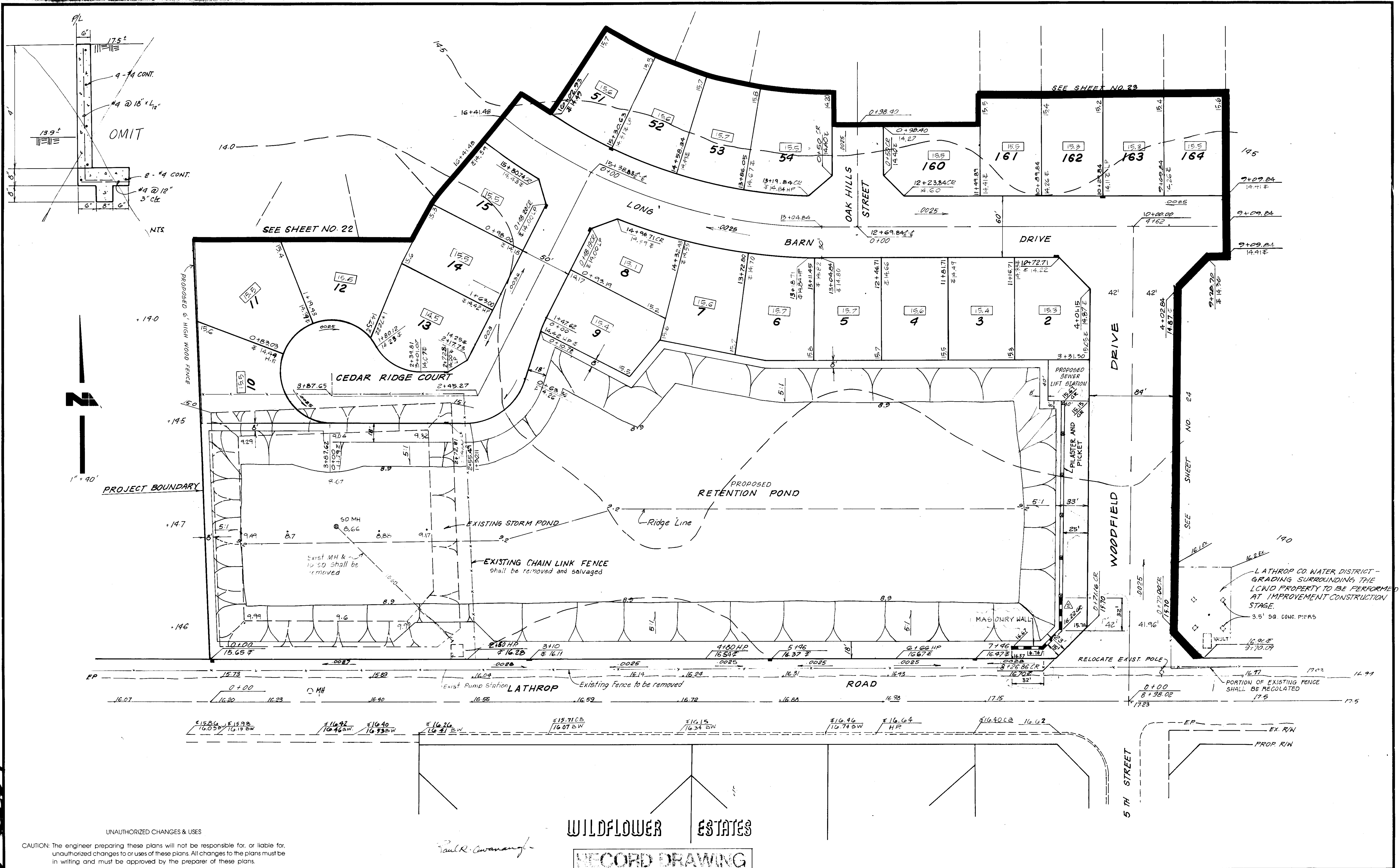
WALNUT CREEK
(415) 938-8060

GRADING PLAN
VALLEY HAVEN
TRACT NO. 2051
UNIT NO. 1

SHEET
22
36 SHEETS
JOB NO.
2704-89-00



50-2259



DATE: MAY 1989
SCALE: 1" = 40'

DRAWN BY: PRC
CHECKED BY: PRC
PROJ. MGR.: PRC
PROJ. ENGR.: DN

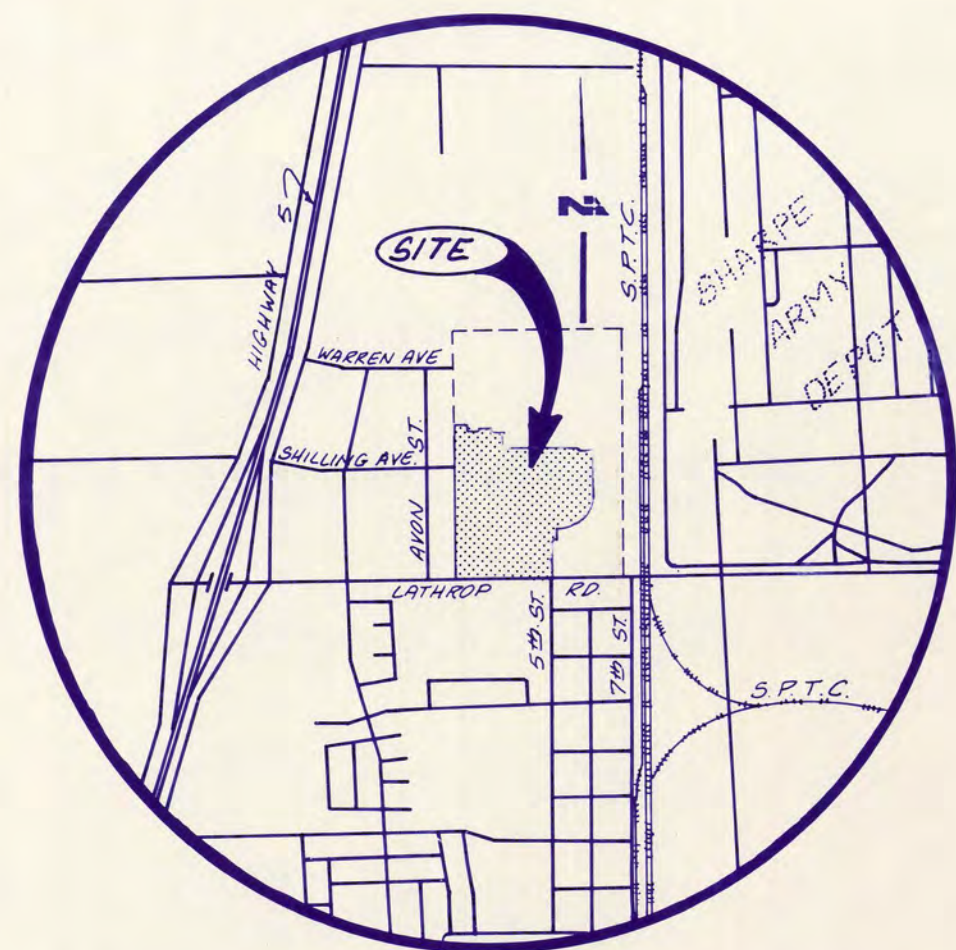
NO.	BY	DATE	REVISIONS
1	MTG	1-9-91	ADDED WALL AND GRADE, RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

SACRAMENTO (916) 446-5020
SAN DIEGO (619) 278-9192
SAN JOSE (408) 287-5400
WALNUT CREEK (415) 934-8000

GRADING PLAN
VALLEY HAVEN
TRACT NO. 2051
UNIT NO. 1

SHEET
21
OF 36
JOB NO. 2704-89-00



VICINITY MAP
N.T.S.

GRADING PLAN

FOR

VALLEY HAVEN

TRACT NO. 2051

UNIT 1

GRADING NOTES

- ALL COMPACTING AND RELATED SOILS WORK SHALL BE DONE UNDER SUPERVISION BY THE SOILS ENGINEER AND IN ACCORDANCE WITH SOILS REPORT DATED APRIL 15, 1988 AS PREPARED BY KLEINFELDER AND ASSOCIATES AND ANY ADDENDUMS AS A RESULT OF ANY IMPORTED FILL.
- PADS INDICATED AS LEVEL SHALL NOT VARY FROM A TRUE HORIZONTAL PLAN BY MORE THAN PLUS OR MINUS 0.1 FT. LOWER NOR 0.2 FT. HIGHER THAN THE ELEVATION INDICATED ON THIS PLAN UNLESS OTHERWISE INDICATED HEREON OR PERMITTED BY THE OWNER.
- EXCEPT AS PROVIDED IN THE FOLLOWING PARAGRAPHS, GRADING SHALL BE PERFORMED TO THE ELEVATIONS AND IN ACCORDANCE WITH THE TYPICAL SECTIONS INDICATED ON THIS PLAN.
- THE CONTRACTOR SHALL MAKE HIS REQUEST FOR STAKING TO NOLTE AND ASSOCIATES NOT LESS THAN 48 HOURS BEFORE THE TIME HE WISHES TO COMMENCE GRADING OPERATIONS.
- THE CONTRACTOR SHALL FURNISH ONE SET OF GRADE STAKES FOR PADS AND ROUGH "FELL" CUTS AND ONE SET OF CURB AND GUTTER STAKES. THE COST OF ANY STAKING OR ADDITIONAL GRADE STAKES ORDERED BY THE CONTRACTOR SHALL BE CHARGED TO THE CONTRACTOR BY THE OWNER.
- THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL EXISTING UNDERGROUND UTILITIES AND TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. LOCATIONS OF ALL EXISTING UTILITIES SHALL BE SHOWN FOR GENERAL INFORMATION ON THE PLAN. THE CONTRACTOR SHALL DO NO WORK OR EXCAVATION UNTIL ALL UTILITY AGENCIES HAVE BEEN NOTIFIED. DAMAGE TO UTILITIES OR PIPELINES SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
- PIPELINES WHICH ARE TO BE ABANDONED SHALL BE REMOVED BY THE CONTRACTOR IF THE OWNER'S SOILS ENGINEER SO REQUIRES. IF ALLOWED TO REMAIN, ALL OPEN ENDS, HOLES, OR OTHER OPENINGS SHALL BE PLUGGED WITH CONCRETE. ANY LOTS INVOLVED IN THE ABOVE WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT PRICES FOR THE GRADING ITEMS.
- THE CONTRACTOR SHALL SEAL ANY EXISTING WELLS IN ACCORDANCE WITH THE SAN JOAQUIN COUNTY HEALTH DEPARTMENT AND CITY REQUIREMENTS. ALL EXISTING CESSPOOLS, FOUNDATIONS, BASEMENTS, TANKS, OR OTHER UNDERGROUND STRUCTURES SHALL BE REMOVED AND THE RESULTING DEPRESSIONS BACKFILLED AND COMPACTED. ANY COSTS INVOLVED IN THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT PRICE FOR THE GRADING ITEMS.
- ALL CUT AND FILL SLOPES AT THE BOUNDARY LINES SHALL BE CONSTRUCTED IN SUCH A MANNER THAT ADJACENT FENCES WILL NOT BE DAMAGED. DAMAGED FENCES SHALL BE REPLACED AT CONTRACTOR EXPENSE.
- ALL SLOPES ON REAR AND SIDE PROPERTY LINES SHALL BE CONSTRUCTED WITH THE TOP OF SLOPE 1.00 FT INTO THE LOWER LOT. SLOPES SHALL BE COMPACTED FIRMLY AND GRADED NEATLY.
- THE CONTRACTOR SHALL IMMEDIATELY NOTIFY NOLTE AND ASSOCIATES AS SOON AS HE HAS A GROUP OF 20 OR MORE PADS READY FOR A GRADE CHECK. ANY REQUIRED RECHECKS WILL BE CHARGED TO THE CONTRACTOR BY THE OWNER.
- THE FINISH GRADE CONTRACTOR SHALL PROVIDE DRAINAGE SWALES HAVING A MINIMUM SLOPE OF 1%.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE ALL NECESSARY IMPORTED FILL TO ACHIEVE THE DESIGN GRADES AND SECTIONS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR THE SHRINKAGE VOLUME OF IMPORTED MATERIAL AND SHALL INFORM THE OWNER'S SOILS ENGINEER OF IMPORT SOURCE. CONTRACTOR SHALL ADHERE TO ANY REVISED SOIL COMPACTION SPECIFICATIONS RESULTING FROM THE TYPE OF IMPORT FILL TO BE PROVIDED.
- ANY AREAS OF ENGINEERED FILL OF 1 FT OR MORE AS INDICATED ON PLANS SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 6 IN. AND RECOMPACT TO 90% OF THE MAXIMUM DRY DENSITY PRIOR TO PLACEMENT OF FILL. ENGINEERED FILL SHOULD BE PLACED IN LARGE LAYERS, A MAXIMUM OF 8 IN. IN LOOSE THICKNESS, AND COMPACTED TO A MINIMUM OF 90% OF THE MAXIMUM DRY DENSITY.
- ALL FILL REQUIRED FOR THE STREET SECTIONS SHALL BE NATIVE MATERIAL EXCAVATED FROM THE RETENTION POND AREA.
- IN THE EVENT ADDITIONAL FILL IS REQUIRED FOR THE STREET SECTIONS, IMPORT MATERIAL SHALL BE OF NATIVE QUALITY OR BETTER.
- WITHIN 100 YR. FLOOD AREA TO ELEVATION 1700 N.G.V.D. MINIMUM FINISH FLOOR ELEVATION 18.00 N.G.V.D.

APPROVED BY THE SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS

BY: HENRY M. HIRATA, R.C.E. NO. 21258

DATE:

APPROVED BY THE SAN JOAQUIN COUNTY LOCAL HEALTH DISTRICT

BY: DATE:

LEGEND

26	LOT NUMBER
62.45	PAD ELEVATION
Hi. Pt. or H.P.	HIGH POINT
Low Pt. or L.P.	LOW POINT
G.B.	GRADE BREAK
0.003	STREET GRADE & FLOW DIRECTION
	PROJECT BOUNDARY LINE
	PROPERTY LINE
	EASEMENT LINE
	CENTER LINE
R/W	RIGHT OF WAY LINE
	CURB LINE
	FLOW LINE
E or T.C.	TOP OF CURB
+64.1	SPOT ELEVATION
-62.0	EXISTING CONTOUR
-61.0	PROPOSED CONTOUR

BENCHMARK

TU-33, EL. 15.79, brass cap 820' west of
5th street, 30' north of Lathrop Road.

PAVEMENT DESIGN CHART

STREET NAME	TRAFFIC INDEX	SOIL R-VALUE	A.C. THICKNESS	A.B. THICKNESS
LATHROP RD	8.0	67	.46	NATIVE
WOODFIELD DRIVE	6.0	67	.29	"
LONG BARN DR	5.0	67	.25	"
CEDAR VALLEY DR	5.0	67	.25	"
SCHILLING AVE	4.0	67	.20	"
OAKMONT ST	4.0	67	.20	"
AGUSTA DR	4.0	67	.20	"
OAK HILLS ST	4.0	67	.20	"
CHERRY HILLS CT	4.0	67	.20	"
PRAIRIE DUNES ST	4.0	67	.20	"
PRINCEVILLE ST	4.0	67	.20	"
STONERIDGE CT	4.0	67	.20	"
PINE VALLEY DR	4.0	67	.20	"
SILVER CREEK DR	4.0	67	.20	"

NOTE: Sterilize Native .20' to .29'
Prime Coat is required

UNAUTHORIZED CHANGES & USES

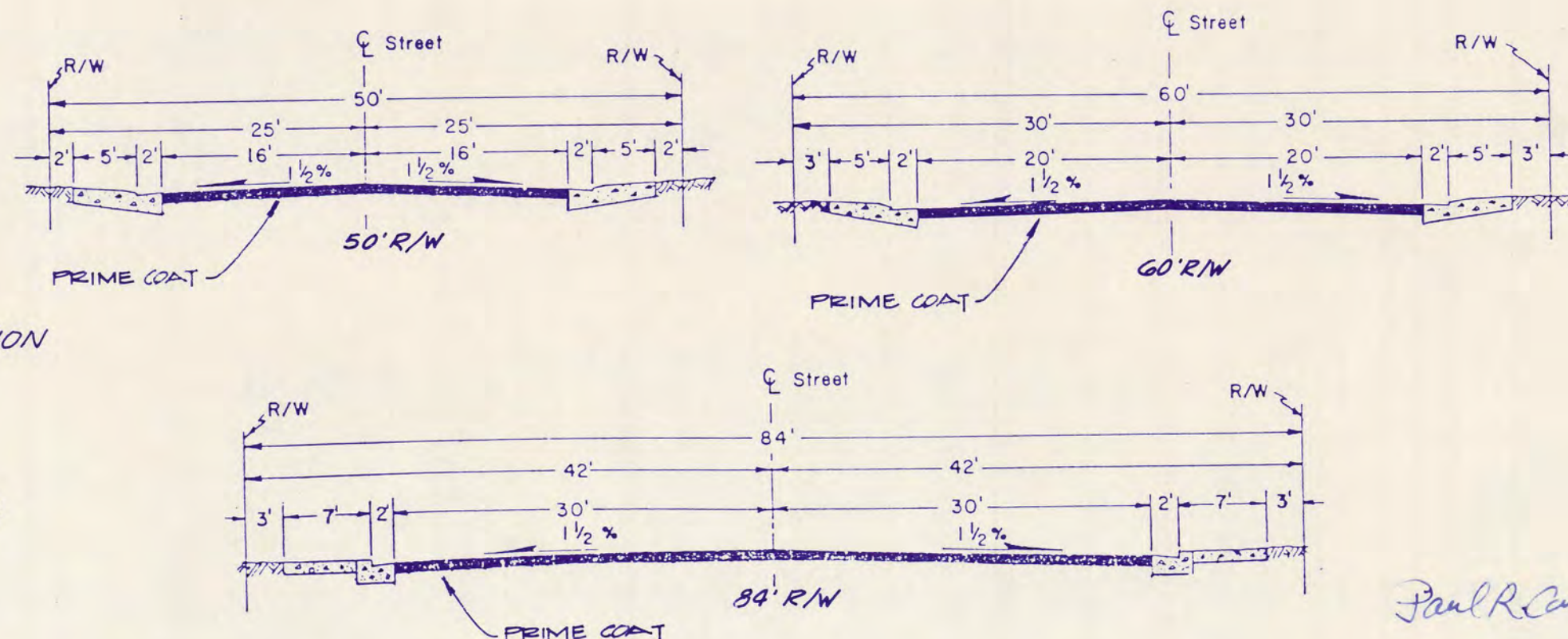
CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

TYPICAL LOT

RECORD DRAWING

SHEET REFERENCE MAP

N.T.S.

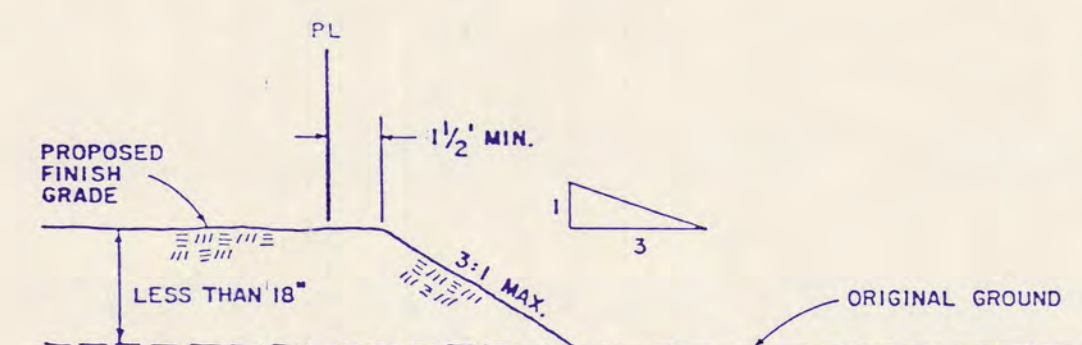


TYPICAL STREET SECTIONS

N.T.S.

SHEET INDEX

- TITLE SHEET.
- LATHROP ROAD, CEDAR RIDGE COURT, LONG BARN DRIVE, OAK HILLS STREET, DRIVE.
- CEDAR VALLEY DRIVE, PINE VALLEY DRIVE, OAKMONT STREET, SHILLING AVENUE, STONERIDGE COURT, PRAIRIE DUNES STREET
- PRAIRIE DUNES STREET, CHERRY HILLS COURT, AGUSTA DRIVE OAK HILLS STREET, SILVER CREEK DR., PRINCEVILLE STREET
- LONG BARN DRIVE AND SHOPPING CENTER

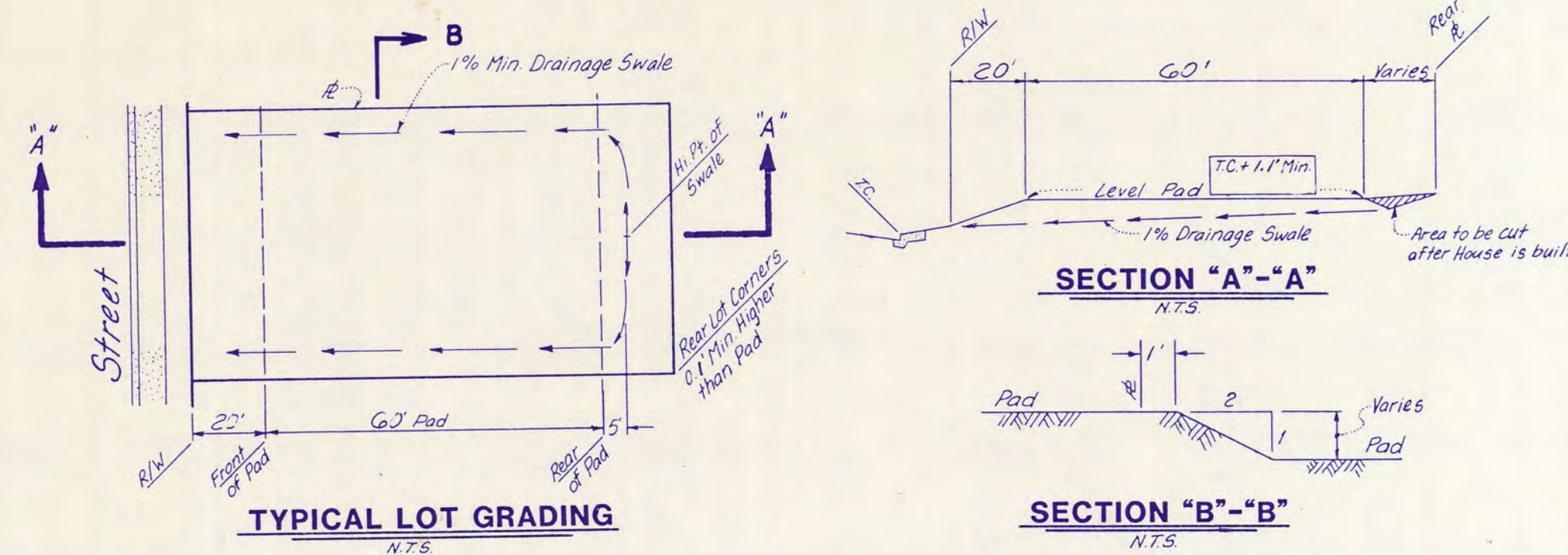


DETAIL A
TO BE USED FOR LOT DIFFERENCE LESS THAN 18'
AND ACROSS THE PHASE BOUNDARY

GRADING QUANTITIES

CUT : 35,000 CUBIC YARD
FILL : 37,600 CUBIC YARD
(IN PLACE)

TYPICAL LOT GRADING DETAIL



GRADING PLAN
VALLEY HAVEN
TRACT NO. 2051
UNIT NO. 1

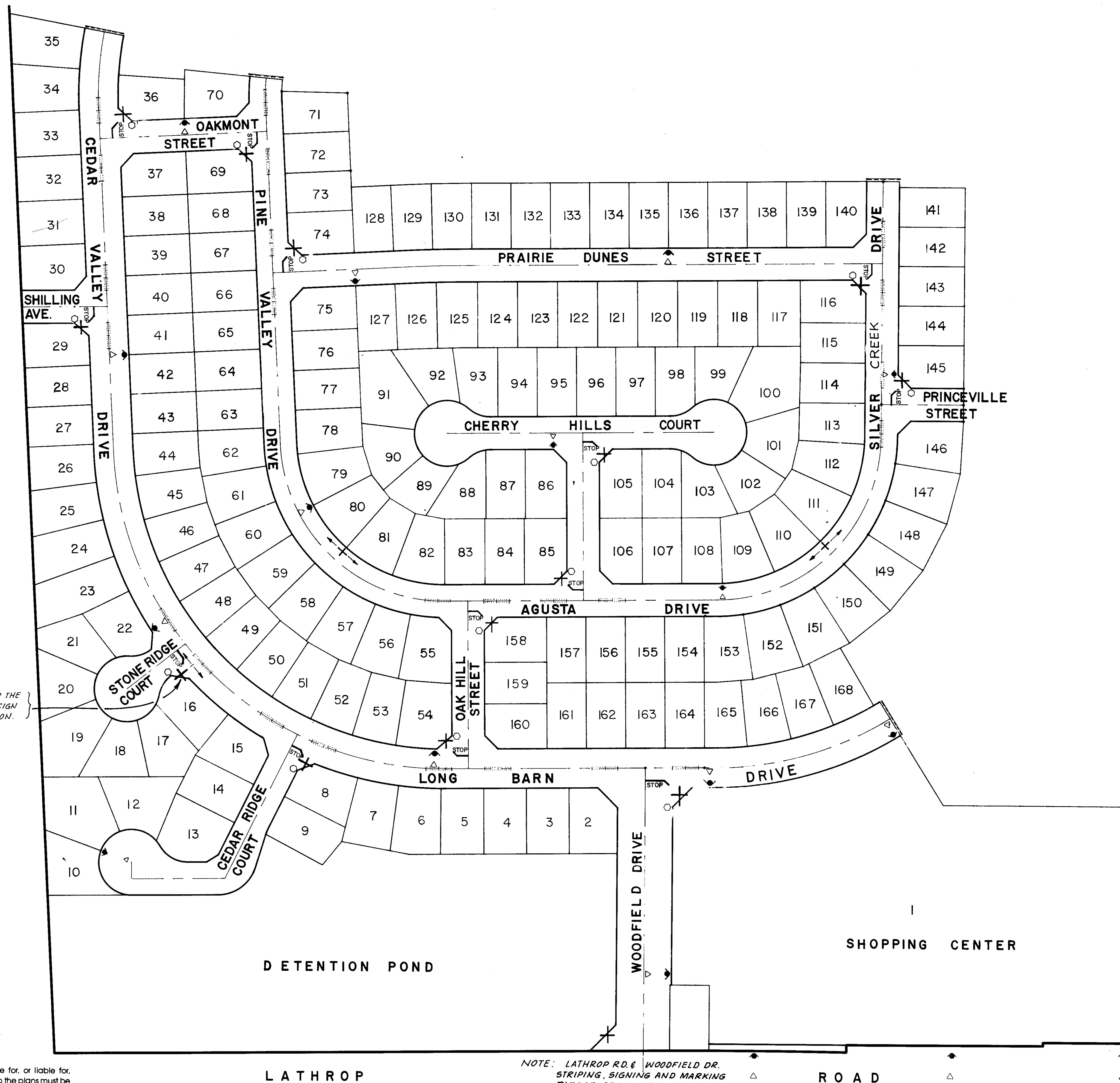
SHEET
20
OF 36 SHEETS
JOB NO.
2704-89-00

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

SACRAMENTO (916) 446-5020
SAN DIEGO (619) 278-9392
SAN JOSE (408) 287-3400
WALNUT CREEK (415) 934-8060

LATHROP

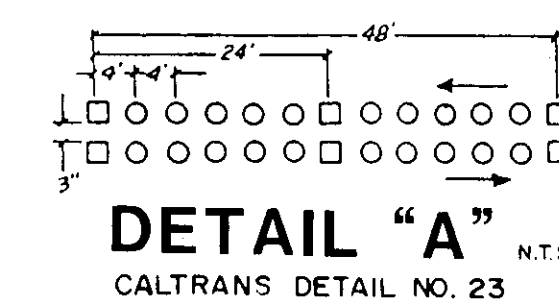
CALIFORNIA



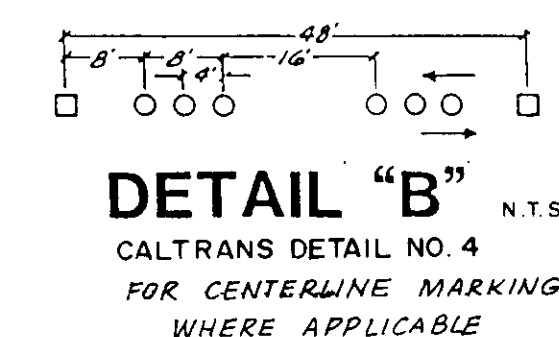
NOTE: 3 PLATES FOR THE STREET NAME SIGN AT THIS LOCATION.

- LEGEND:**
- STOP INDICATES STOP INTERSECTION
 - STOP SIGN
 - ⊕ STREET NAME SIGN
 - FIRE HYDRANT
 - ▽ REFLECTIVE BLUE MARKER
 - CENTERLINE MARKING (SEE DETAIL "A")
 - BARRICADE

NOTE:
PLACE STOP BAR BEFORE WHEELCHAIR RAMP
SEE NOTE No. 35 ON SHT. 1/36.



- TWO WAY YELLOW REFLECTIVE MARKER
- NON-REFLECTIVE YELLOW MARKER



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UNAUTHORIZED CHANGES & USES

DATE: AUGUST, 1989
SCALE: AS SHOWN
DRAWN BY: MTC
CHECKED BY: PRC
PROJ. MGR.: DN
PROJ. ENGR.: DN

NO.	BY	DATE	REVISIONS
1	MTC	1-9-91	RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

□ DENVER, CO □ ORANGE COUNTY □ SACRAMENTO □ SAN DIEGO □ SAN JOSE □ WALNUT CREEK
(303) 791-0666 (714) 837-5001 (916) 446-5020 (619) 278-9392 (408) 287-3400 (415) 934-8866

TRACT No. 2051
VALLEY HAVEN UNIT No. 1
SIGNING & STRIPPING PLAN

SHEET
17A
OF 36 SHEETS
JOB NO.

CALIFORNIA

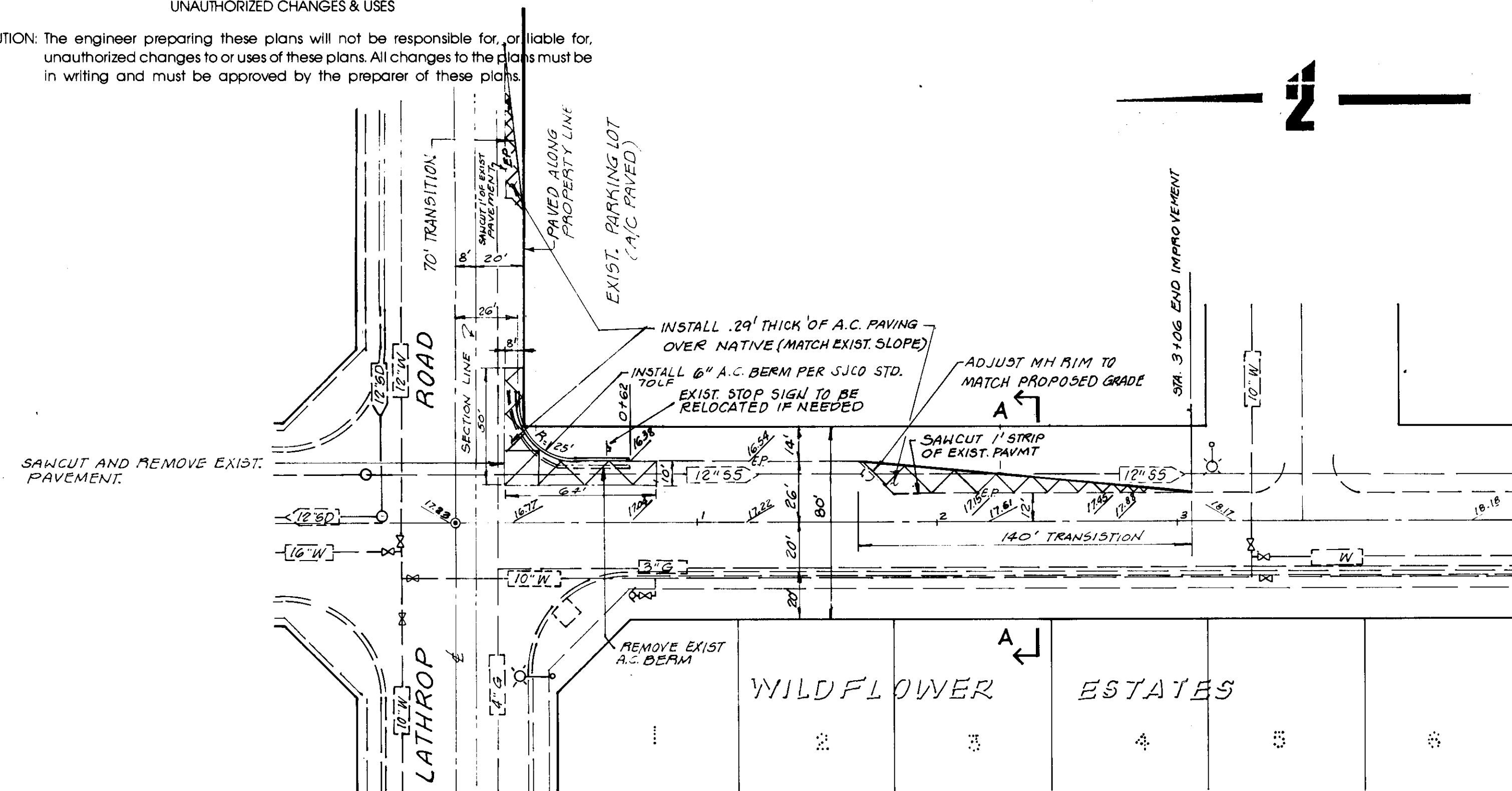
2707-89-04

SC-2263

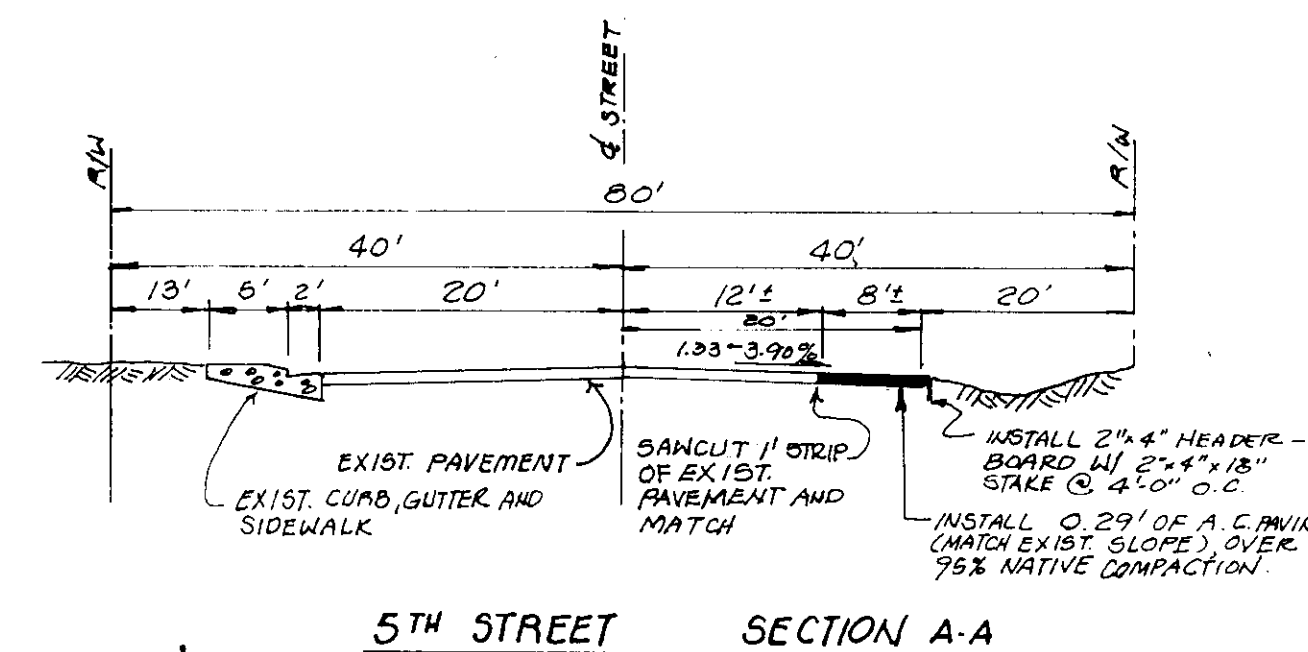
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CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

2

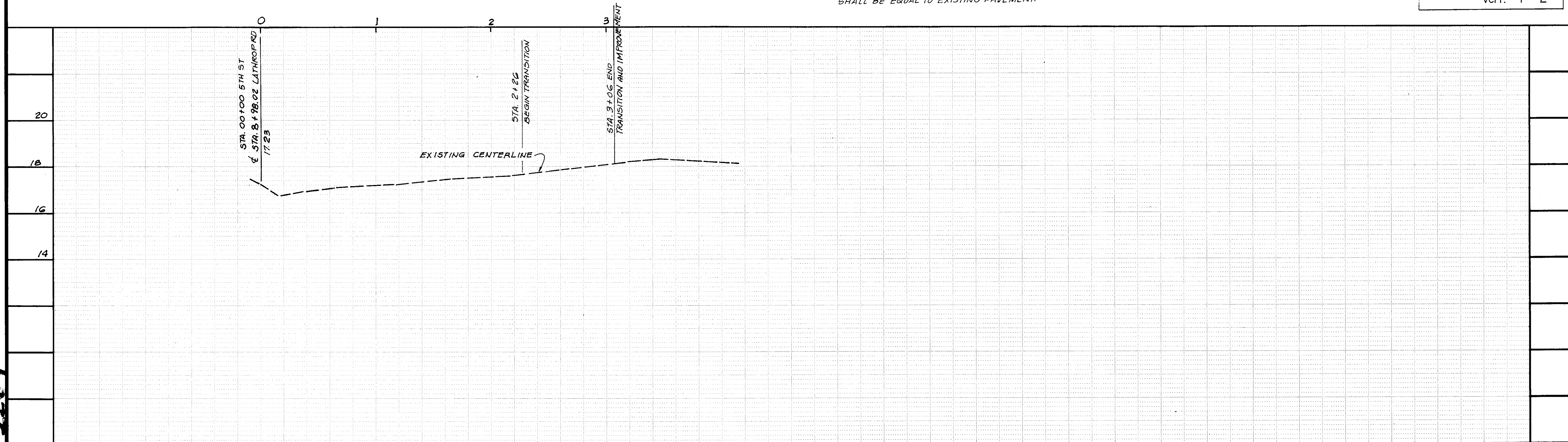


5th STREET



NOTE: CROSS SLOPES OF WIDENING SHALL BE EQUAL TO EXISTING PAVEMENT.

SCALE: Horiz. 1" = 40'
Vert. 1" = 2'



DATE: OCT 1989
SCALE: AS SHOWN
DRAWN BY: DK/MC
CHECKED BY: PRC
PROJ. MGR.: DN
PROJ. ENGR.: DN

NO. BY DATE REVISIONS
1 MTC 1-9-91 RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors
SAN JOSE (408) 287-3400 • WALNUT CREEK (415) 934-8060 • SAN DIEGO (619) 278-9392 • MISSION VIEJO (714) 837-5001 • DENVER, CO. (303) 791-0666
■ MANTECA (209) 239-9080 □ SACRAMENTO (916) 446-5020 □ ROSEVILLE (916) 784-3313

TRACT No. 2051
VALLEY HAVEN UNIT No. 1
5TH STREET

LATHROP

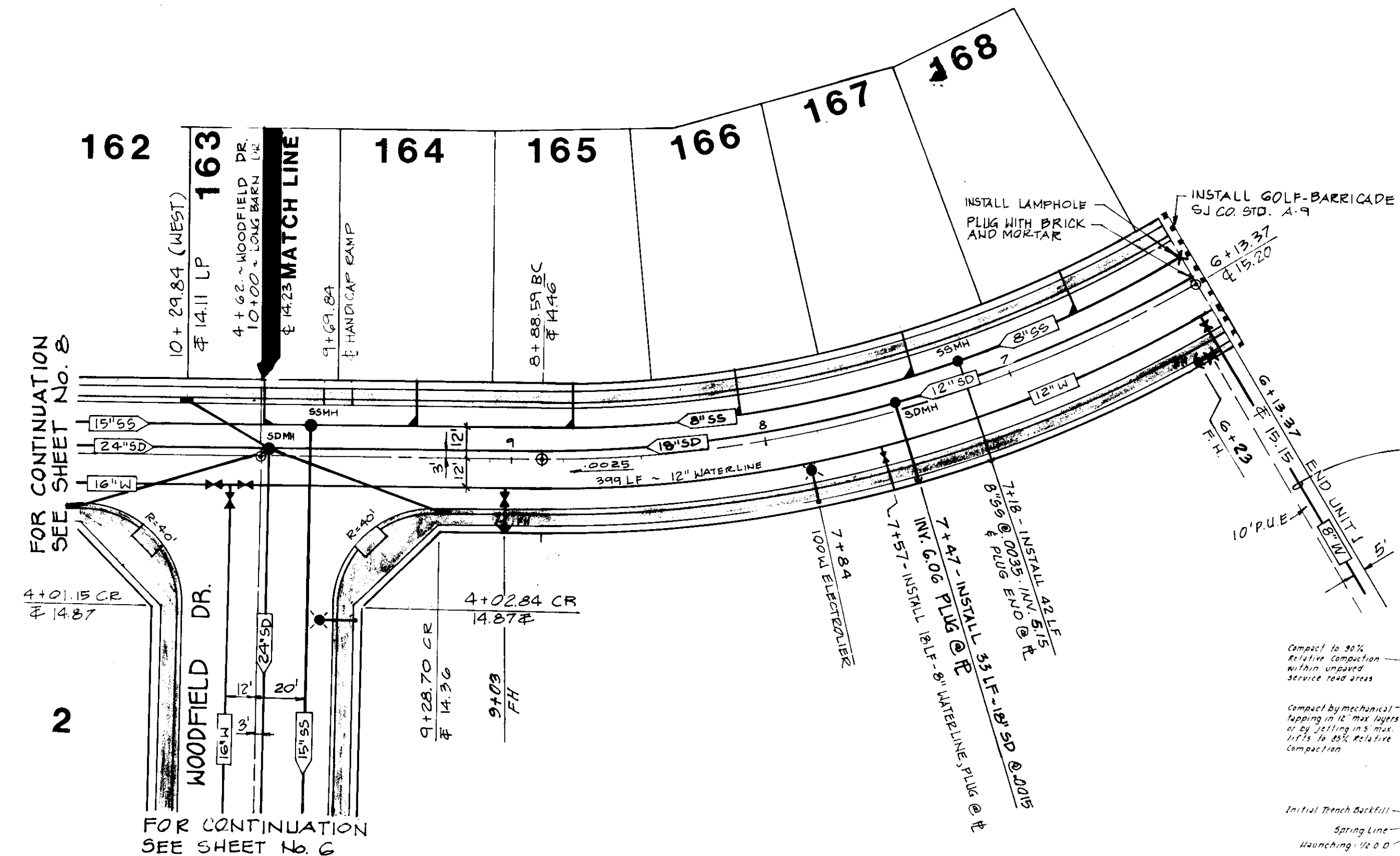
CALIFORNIA

SHEET
16
OF 36 SHEETS
JOB NO.
2707-89-04

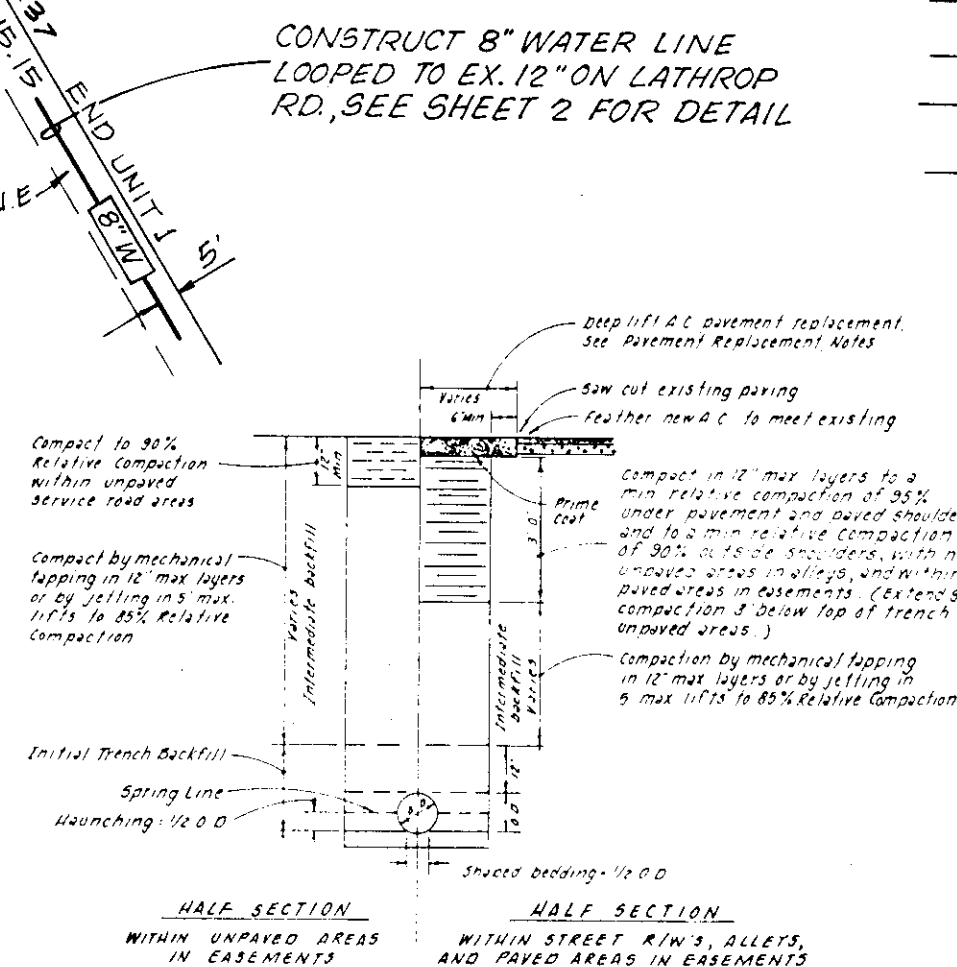
50-2264

127590
UNAUTHORIZED CHANGES & USES
CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

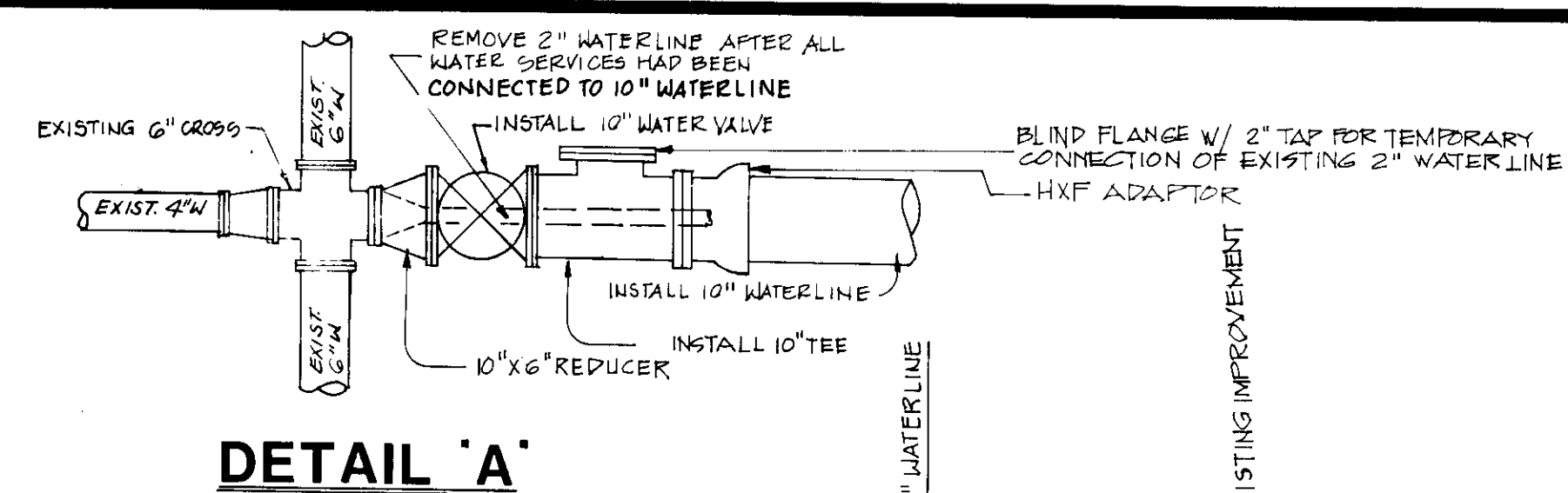
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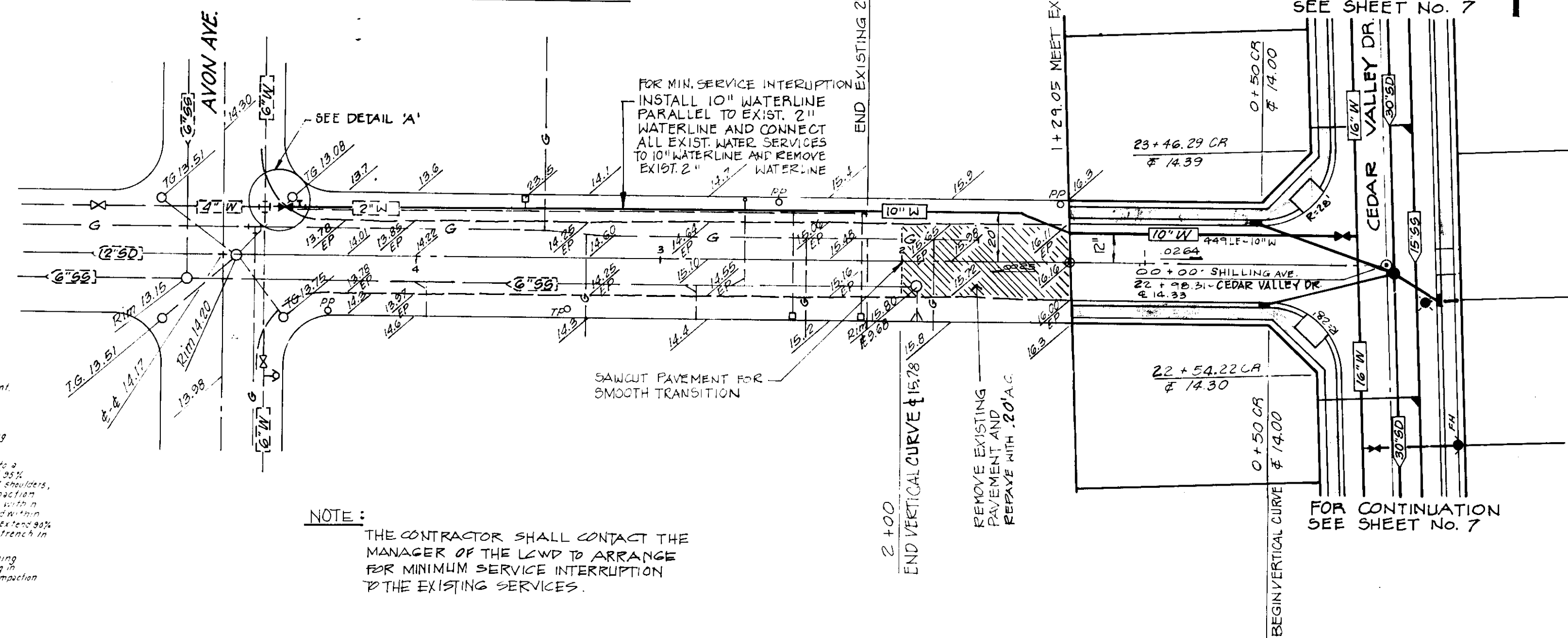
LONG BARN DRIVE



TYPICAL TRENCH SECTION
(SHILLING AVE.)

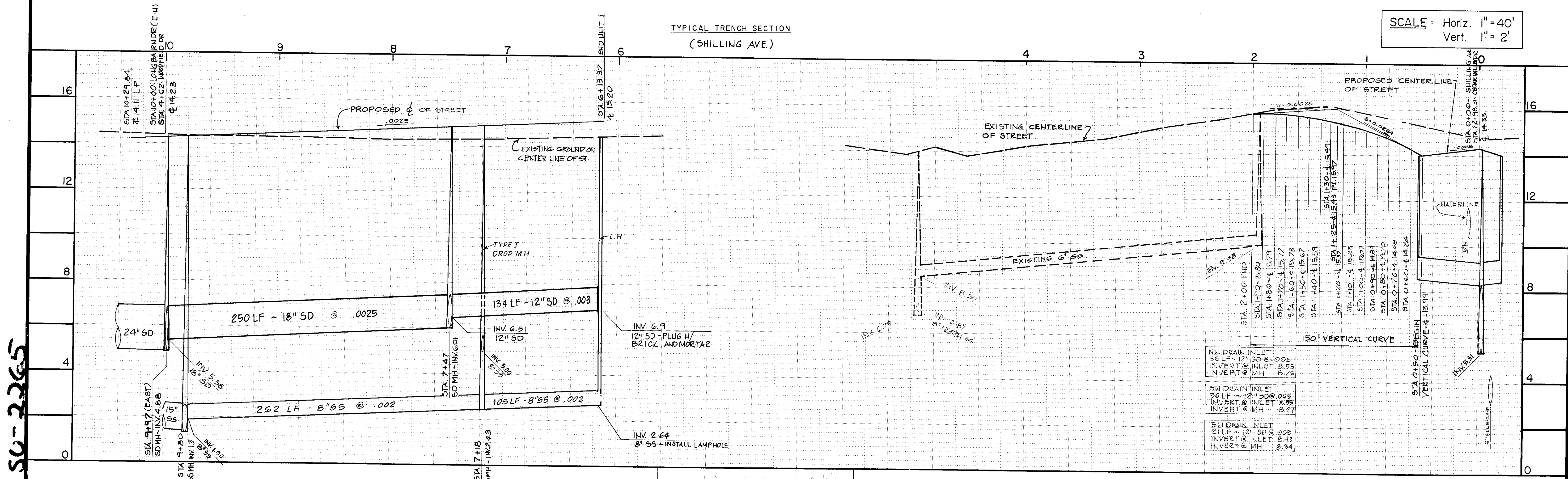


DETAIL 'A'



SHILLING AVENUE

SCALE: Horiz. 1" = 40'
Vert. 1" = 2'



DATE: JULY 1987
SCALE: AS SHOWN
DRAWN BY: MTC
CHECKED BY: PRC
PROJ. MGR: DN
PROJ. ENGR: DN

NO. BY DATE REVISIONS

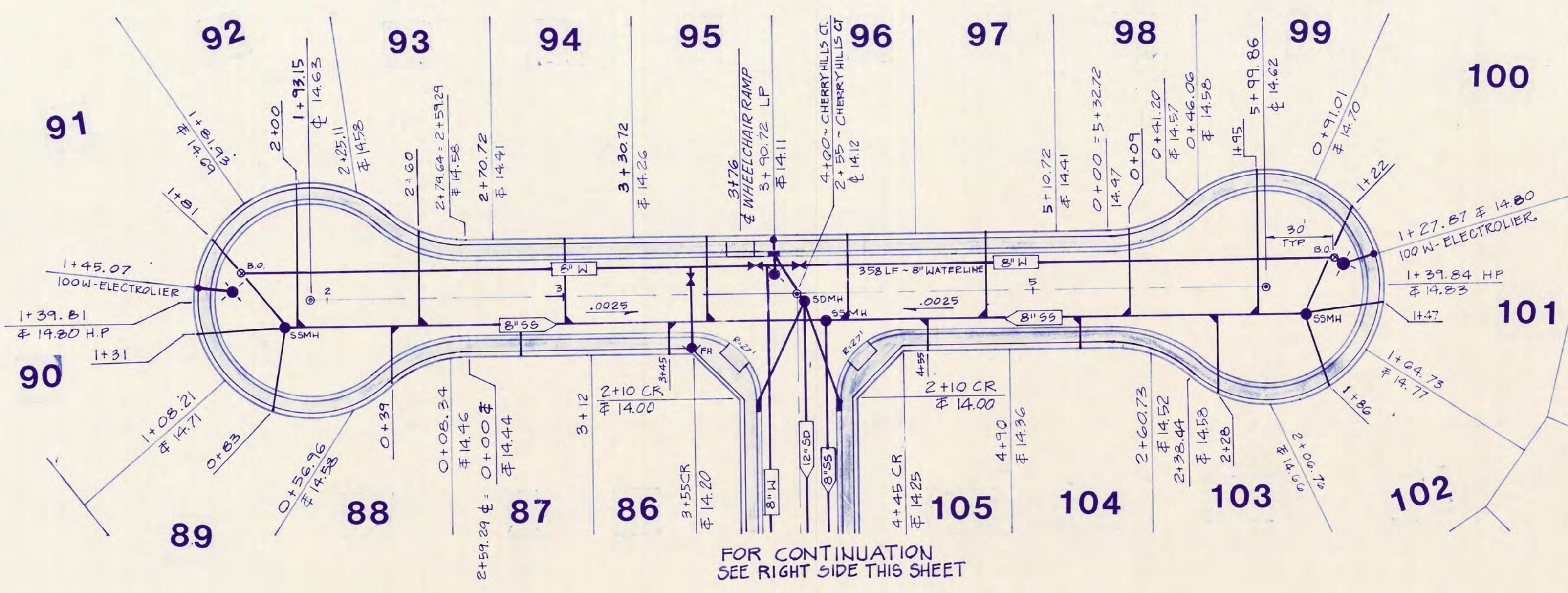
NOLTE and ASSOCIATES
Engineers / Planners / Surveyors
SAN JOSE • WALNUT CREEK • SAN DIEGO • MISSION VIEJO • DENVER, CO
(408) 287-3400 • (415) 934-8060 • (619) 278-9392 • (714) 837-5001 • (303) 791-0666
■ MANTECA (209) 239-9080 □ SACRAMENTO (916) 446-5020 □ ROSEVILLE (916) 784-3313

TRACT No. 2051
VALLEY HAVEN UNIT No. 1
LONG BARN DRIVE STA. 6+13.37 TO STA. 10+00
SHILLING AVENUE

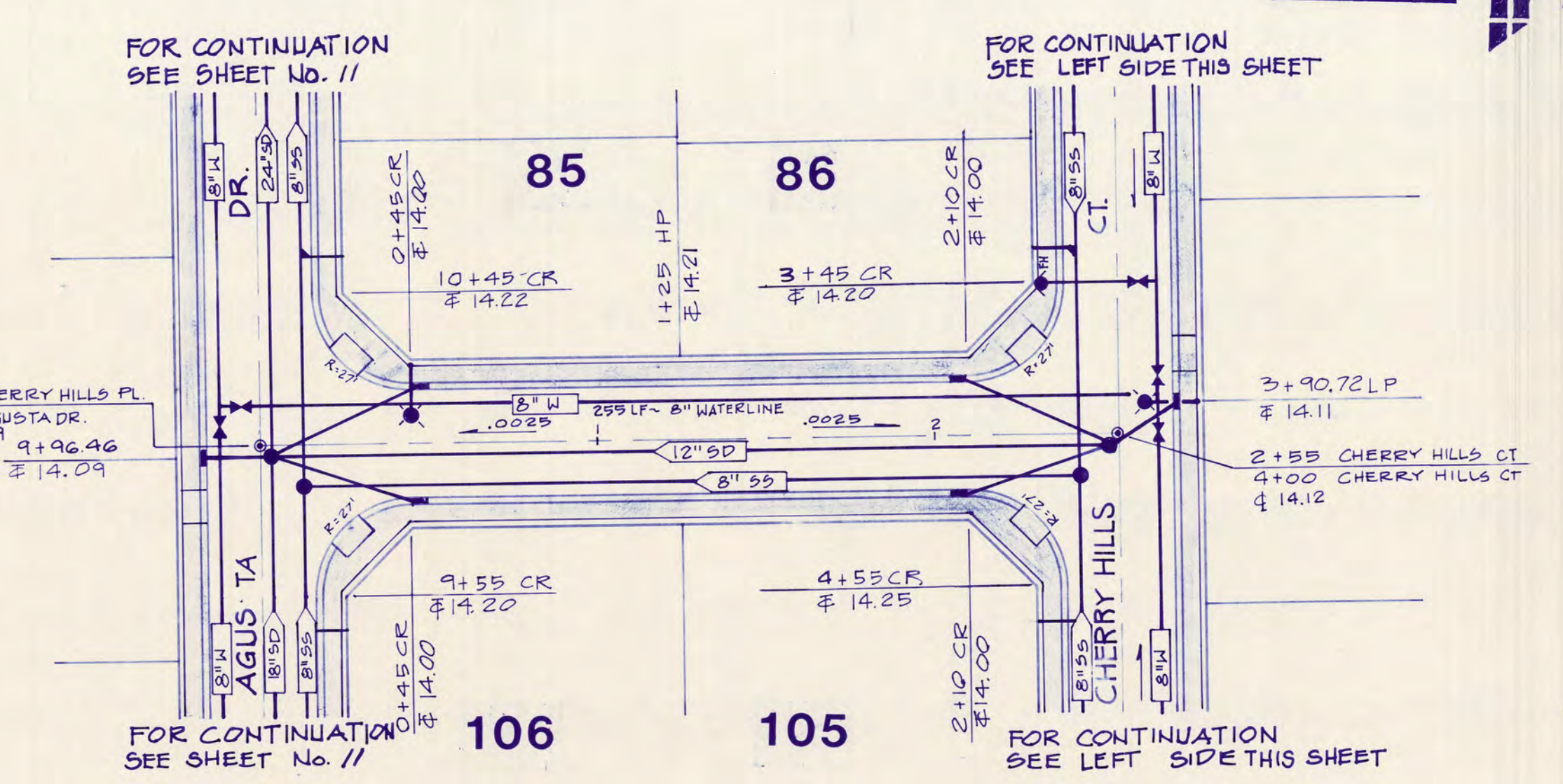
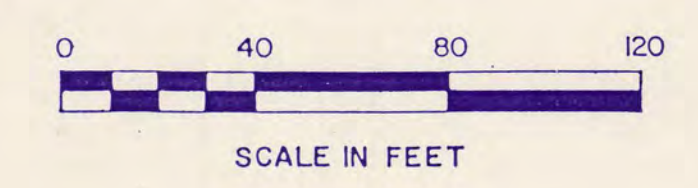
SHEET
15
OF 36 SHEETS
JOB NO.
2707-89-04

CALIFORNIA

SU22265A

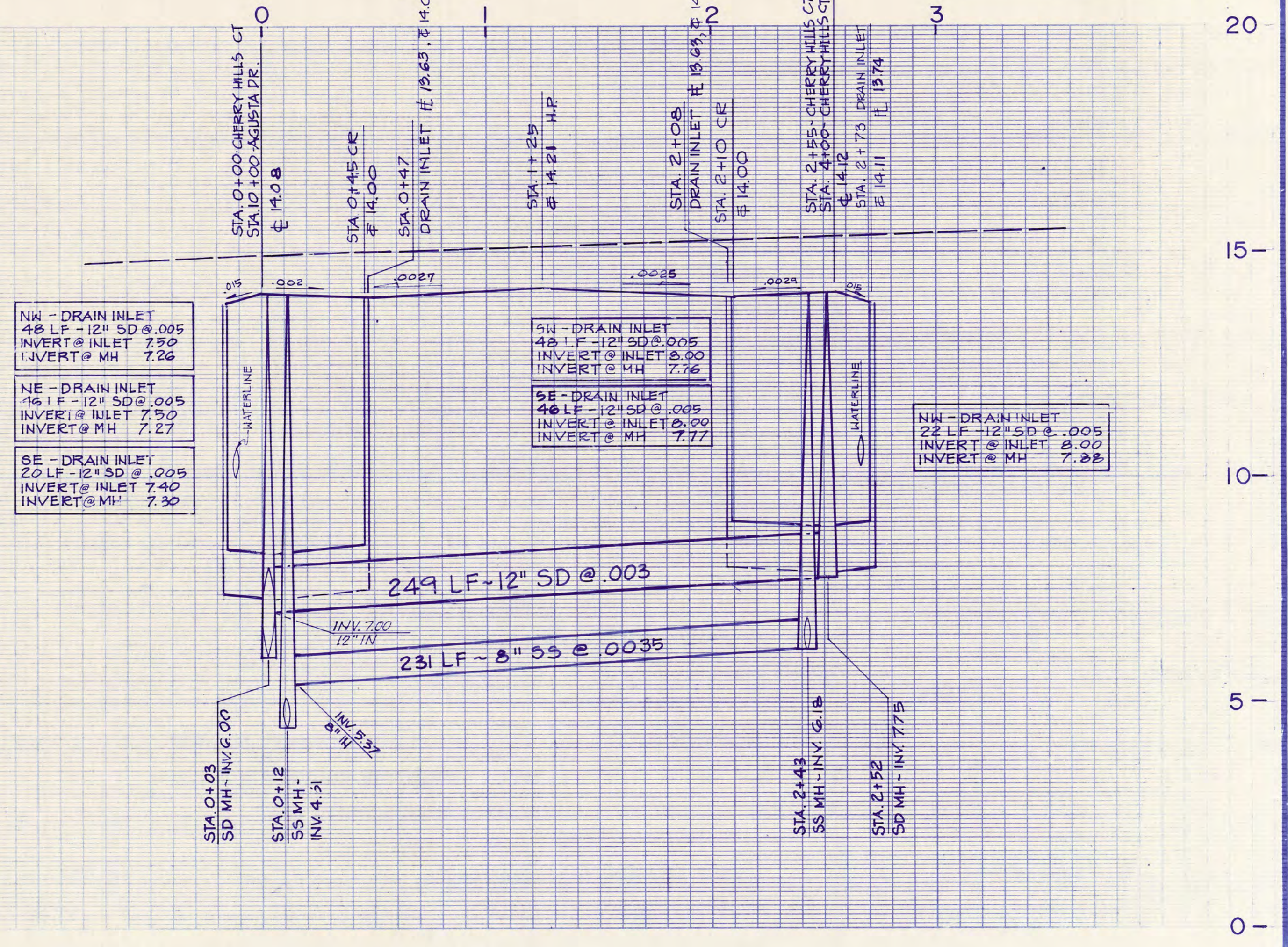
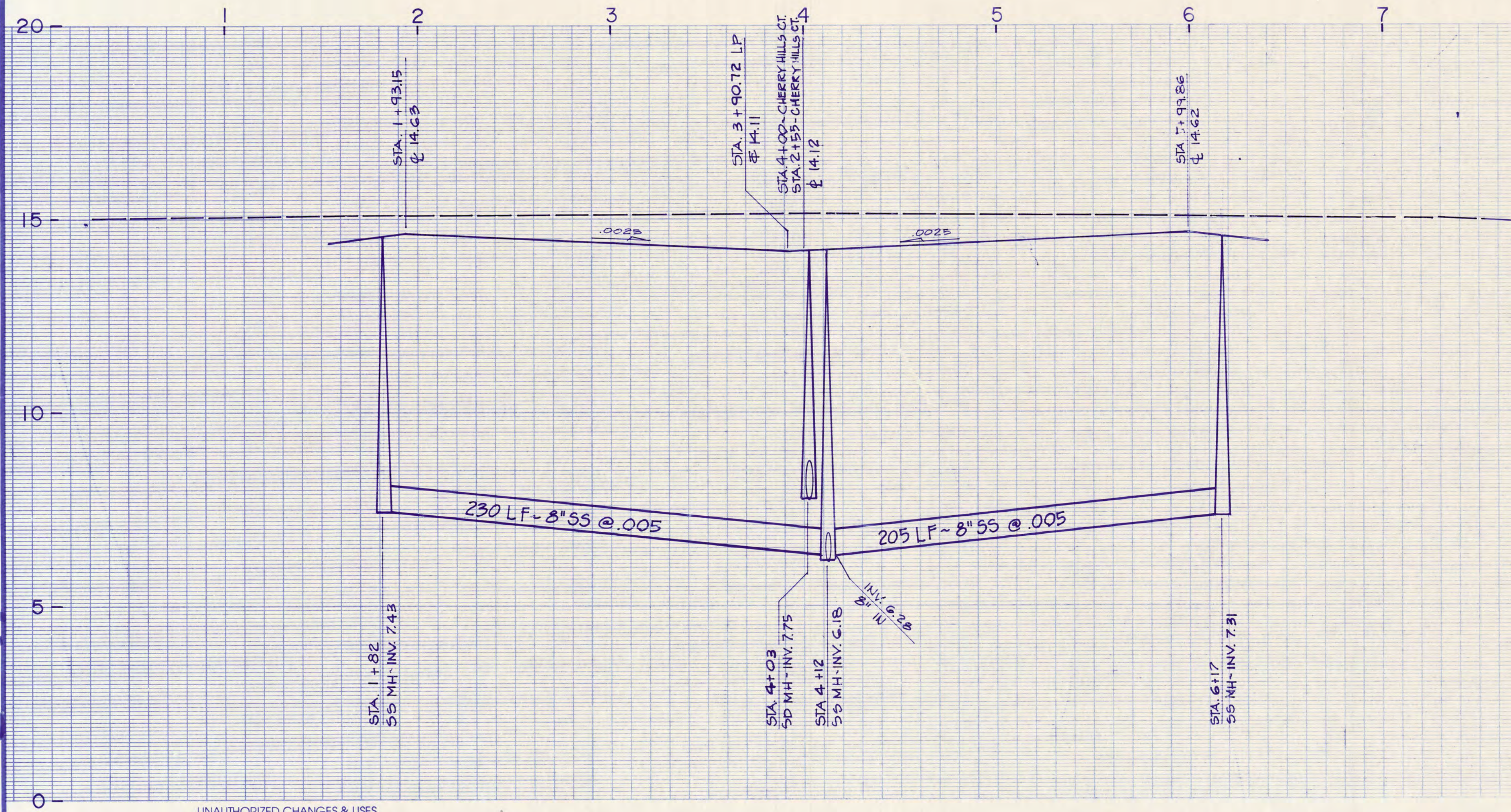


CHERRY HILLS COURT



CHERRY HILLS COURT

SCALE: Horiz. 1"=40'
Vert. 1"=2'



CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

RECORD DRAWING

DATE:	JULY 1989
SCALE:	AS SHOWN
DRAWN BY:	MTG
CHECKED BY:	
PROJ. MGR:	PRC
PROJ. ENGR:	DN

NO.	BY	DATE	REVISIONS
1	MTG	1-9-91	RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

☐ SACRAMENTO (916) 446-5020 ☐ SAN DIEGO (619) 278-9392 ☐ SAN JOSE (408) 287-3400 ☐ WALNUT CREEK (415) 934-8060

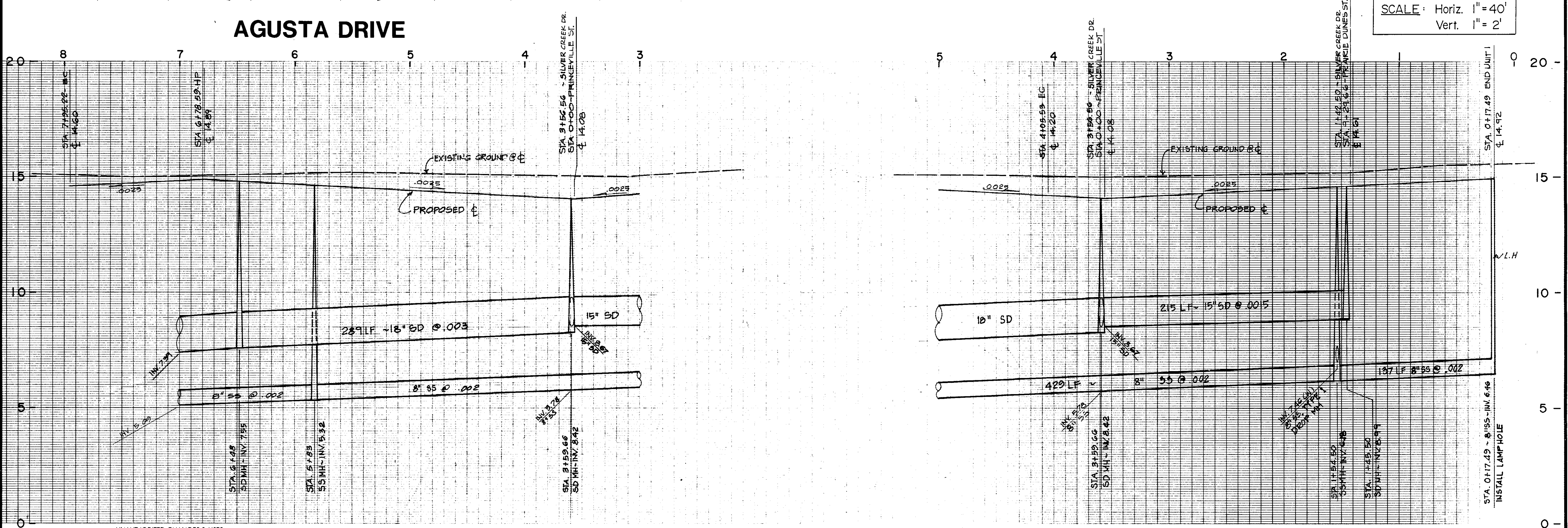
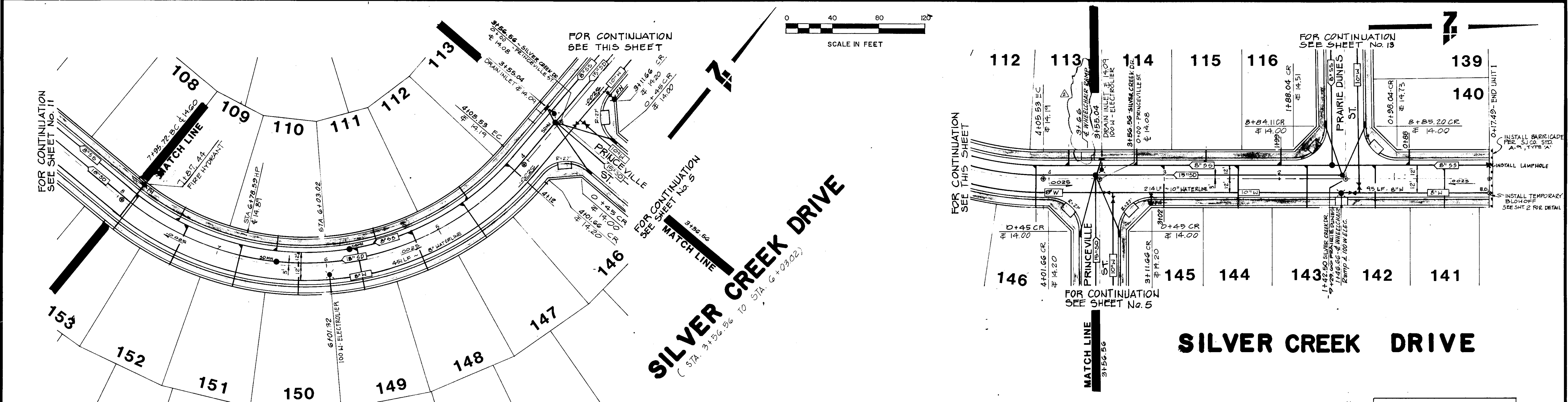
TRACT No. 2051
VALLEY HAVEN UNIT No. 1
CHERRY HILLS COURT

LATHROP

CALIFORNIA

SHEET
14
OF 36 SHEETS
JOB NO.
2707-89-04

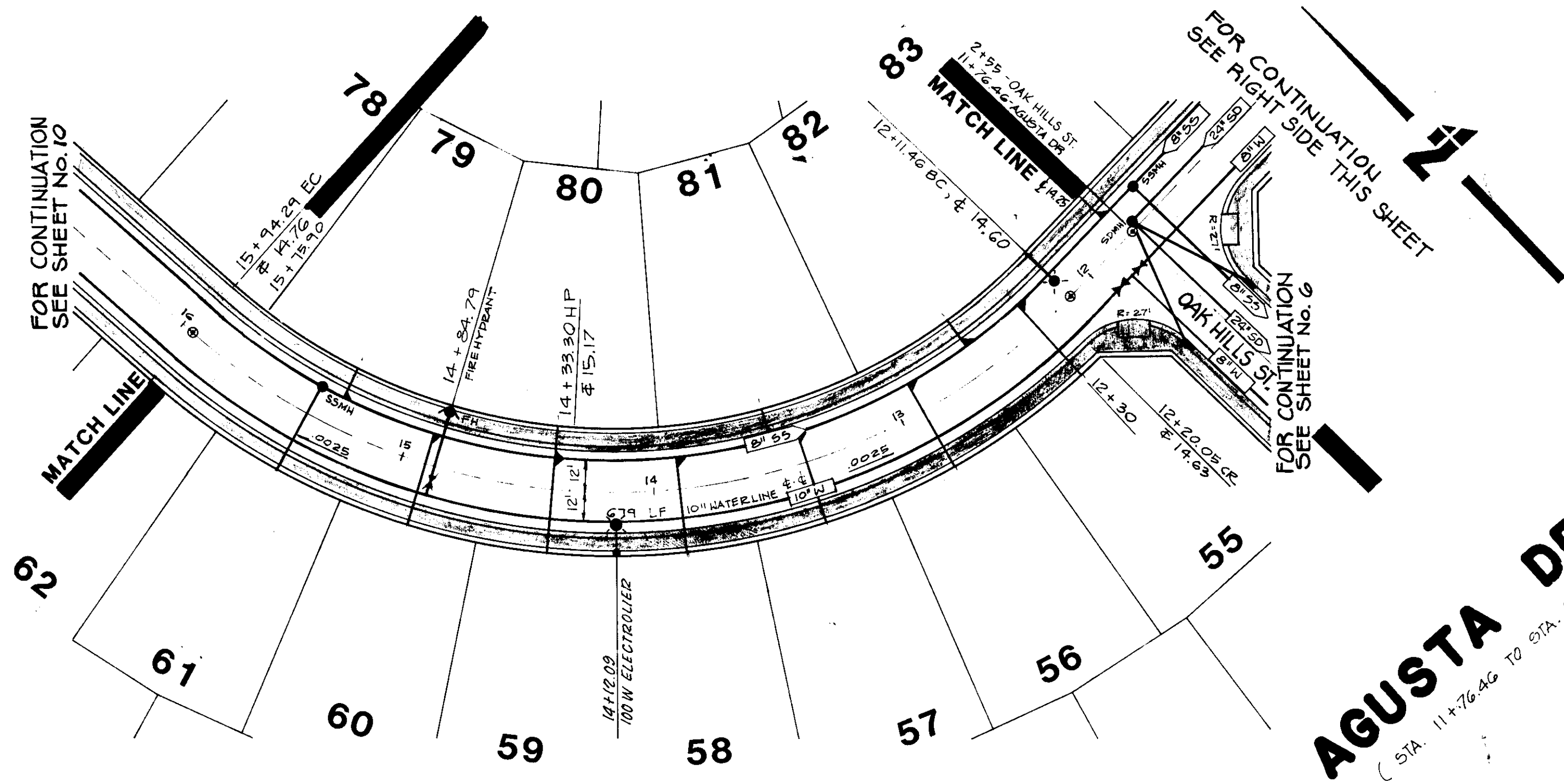
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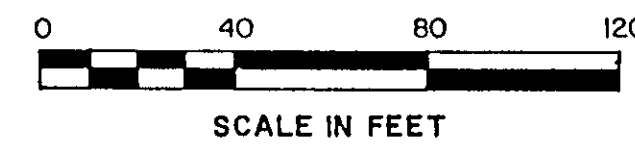
CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

RECORD DRAWING

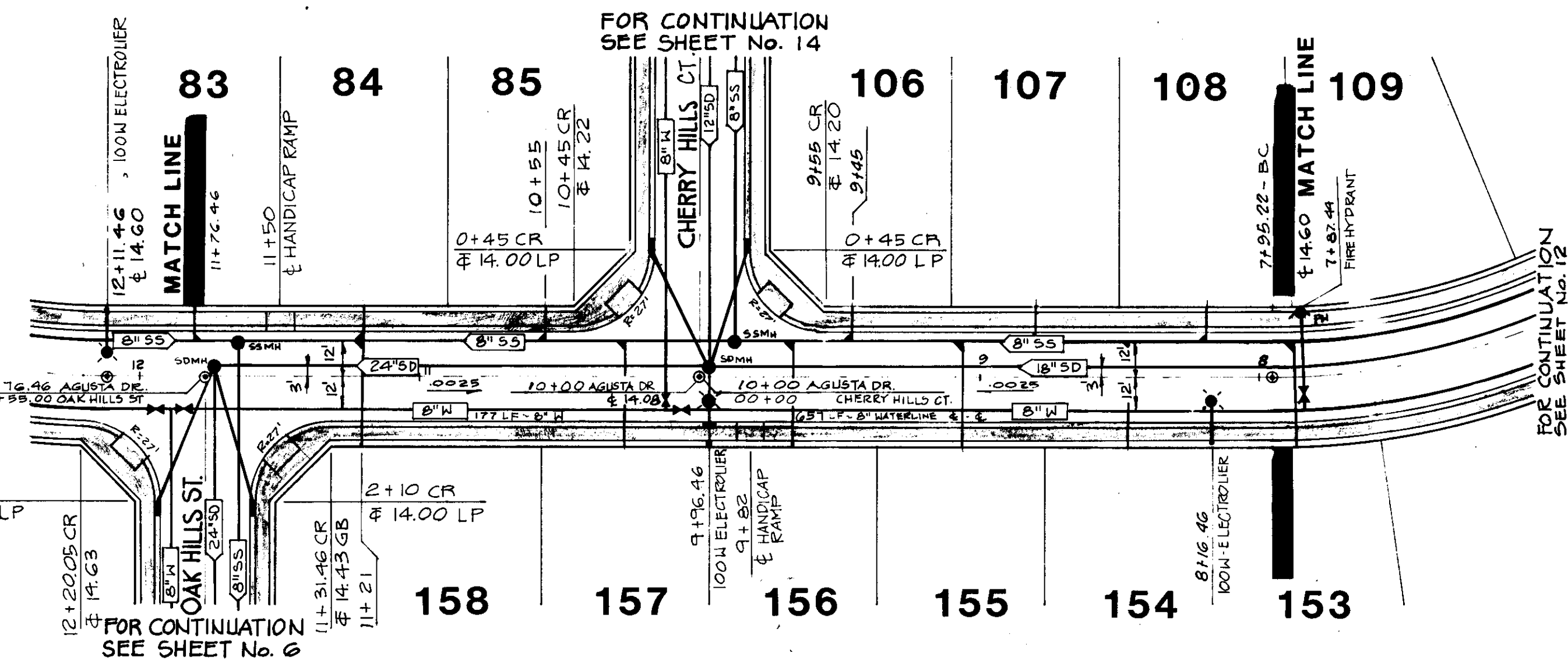
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AGUSTA DRIVE
(STA. 11+76.46 TO STA. 13+93.68)

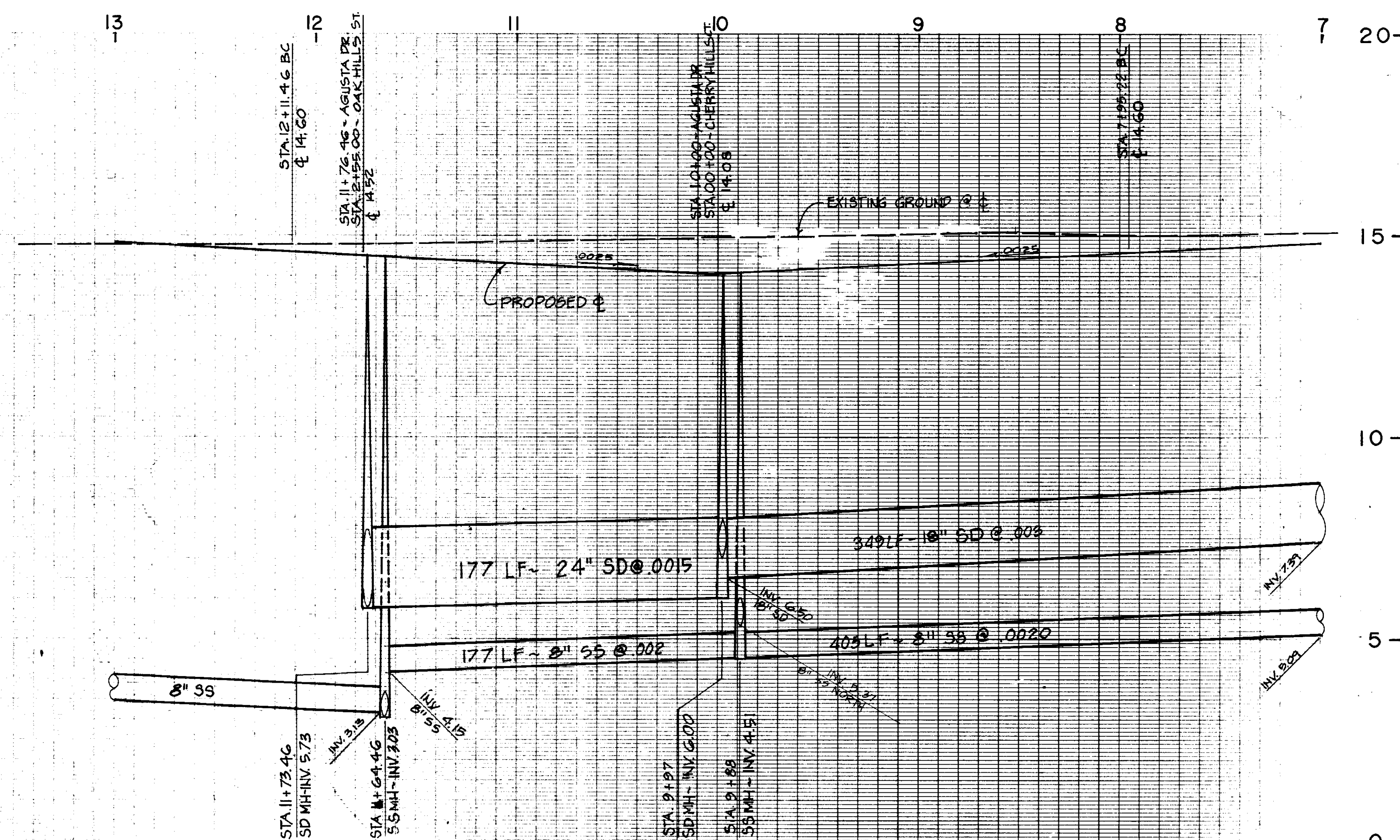
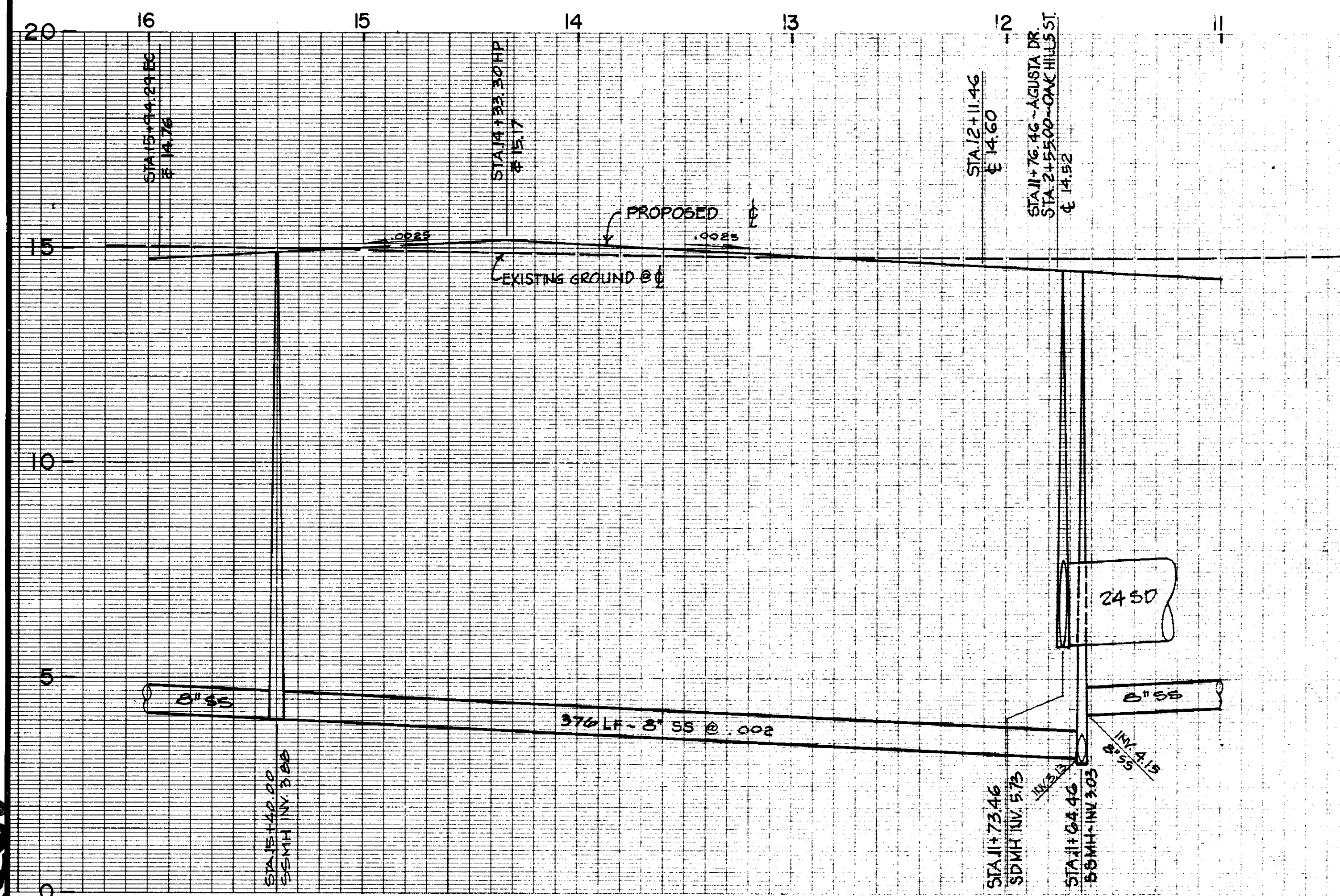


FOR CONTINUATION
SEE LEFT SIDE THIS SHEET



AGUSTA DRIVE

SCALE: Horiz. 1" = 40'
Vert. 1" = 2'



RECORD DRAWING

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

DATE: JULY 1989
SCALE: AS SHOWN
DRAWN BY: MTC
CHECKED BY: PRC
PROJ. MGR.: PRC
PROJ. ENGR.: DN

NO.	BY	DATE	REVISIONS
1	MTC	1-9-91	RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

SACRAMENTO (916) 446-5020
SAN DIEGO (619) 278-9392
SAN JOSE (408) 287-3400
WALNUT CREEK (415) 934-0060

TRACT No. 2051
VALLEY HAVEN UNIT No. 1

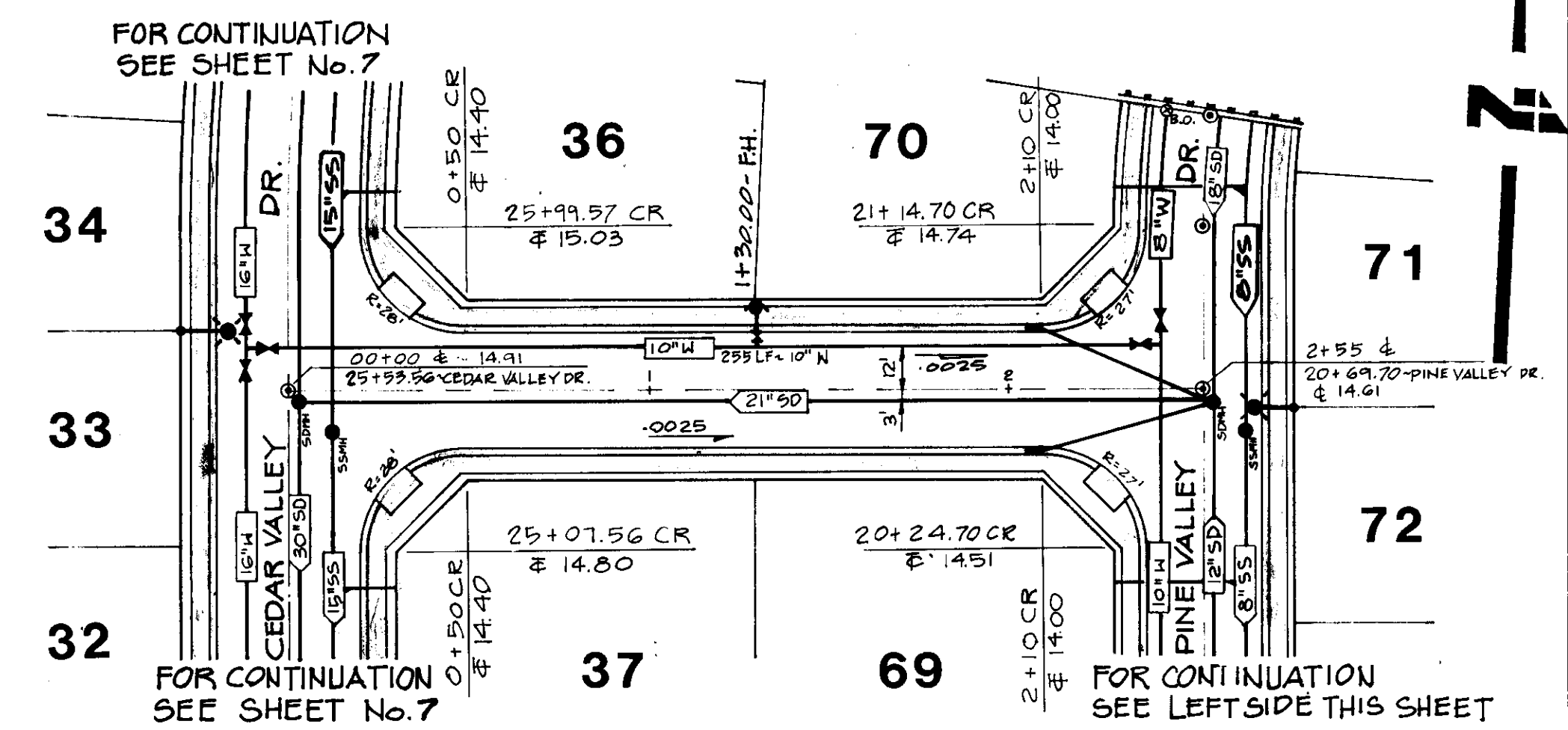
AGUSTA DRIVE STA. 7+95.22 TO STA. 13+93.68
PINE VALLEY DRIVE STA. 13+93.68 TO STA. 15+94.29

LATHROP

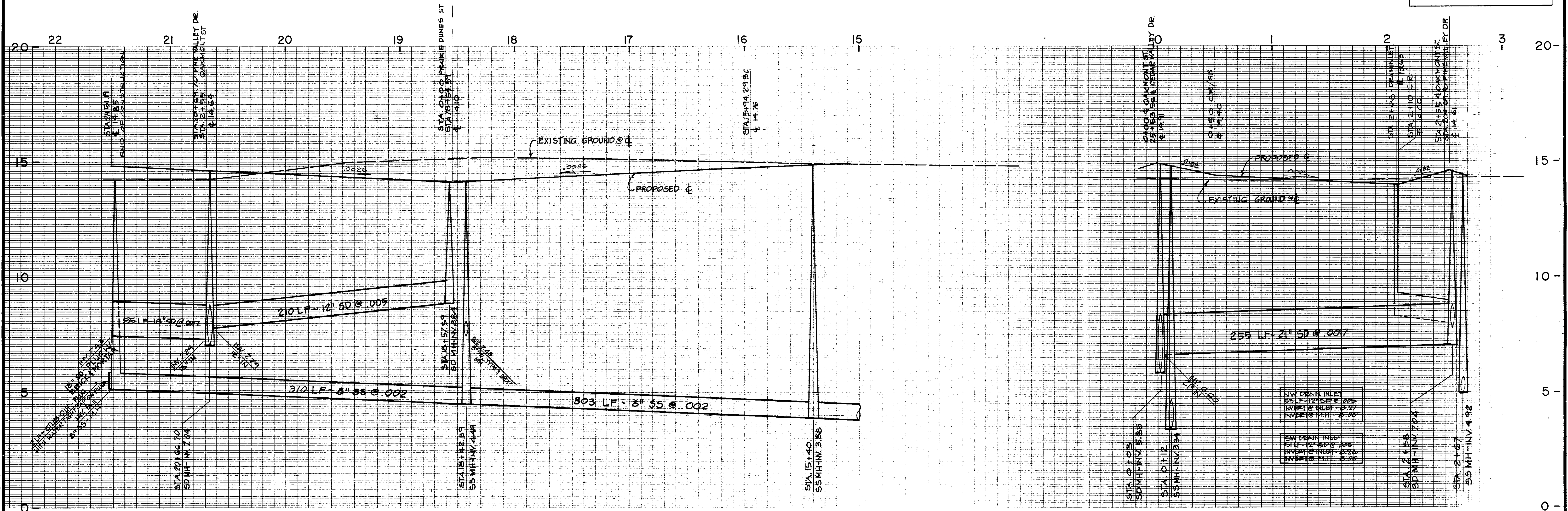
CALIFORNIA

SHEET
11
OF 36 SHEETS
JOB NO.
2707-89-04

SC-2268



SCALE : Horiz. 1" = 40'
Vert. 1" = 2'



CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

☐ SACRAMENTO (916) 446-5020 ☐ SAN DIEGO (619) 278-9392 ☐ SAN JOSE (408) 287-3400 ☐ WALNUT CREEK (415) 934-8060

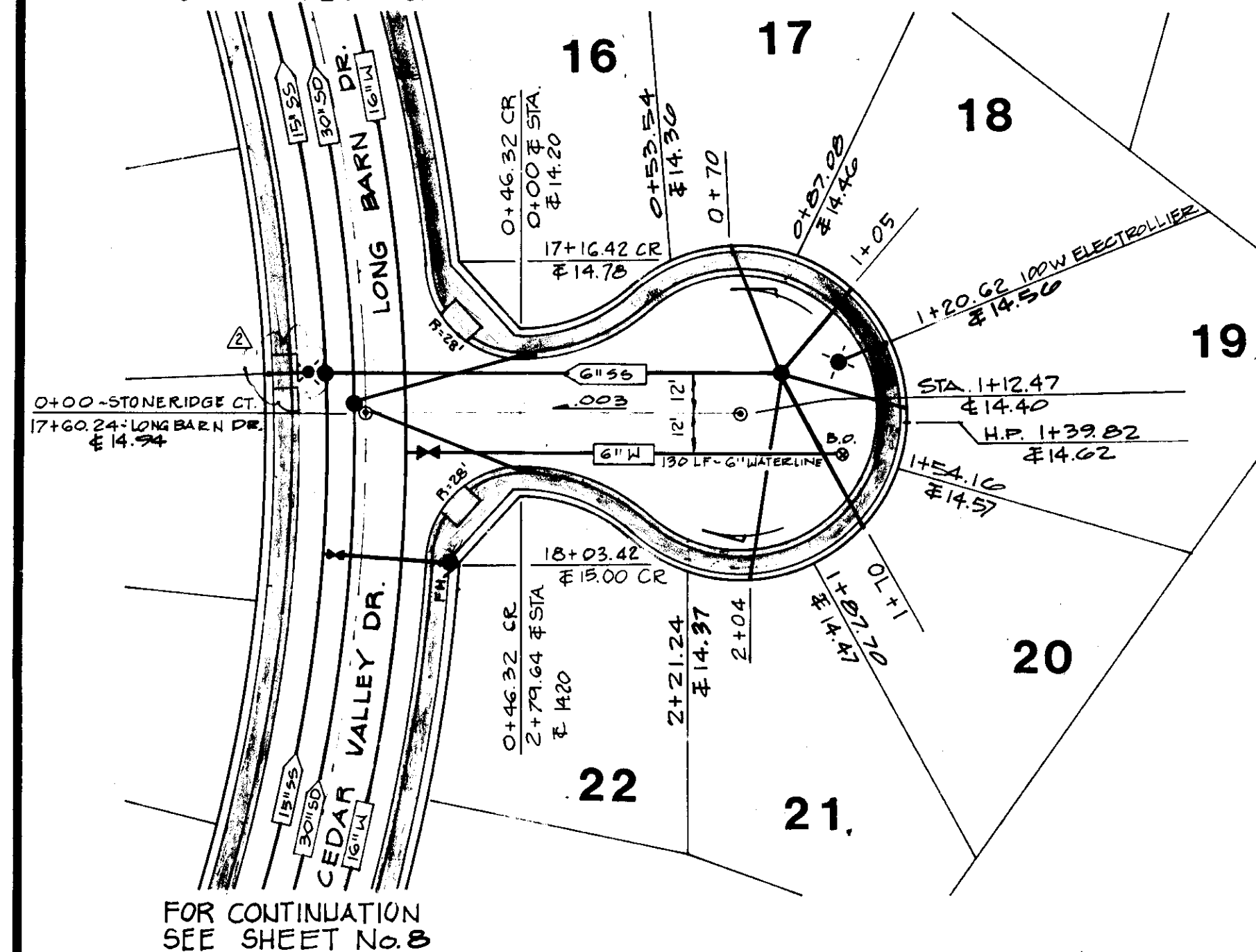
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TRACT No. 2051
VALLEY HAVEN UNIT No. 1
 PINE VALLEY DRIVE STA. 15+54.59 TO 21+51.19
 OAK MONT STREET

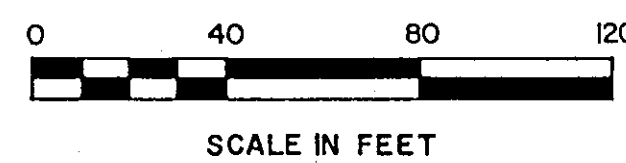
CALIFORNIA

SHEET
10
36 SHEETS
JOB NO.
707-89-04

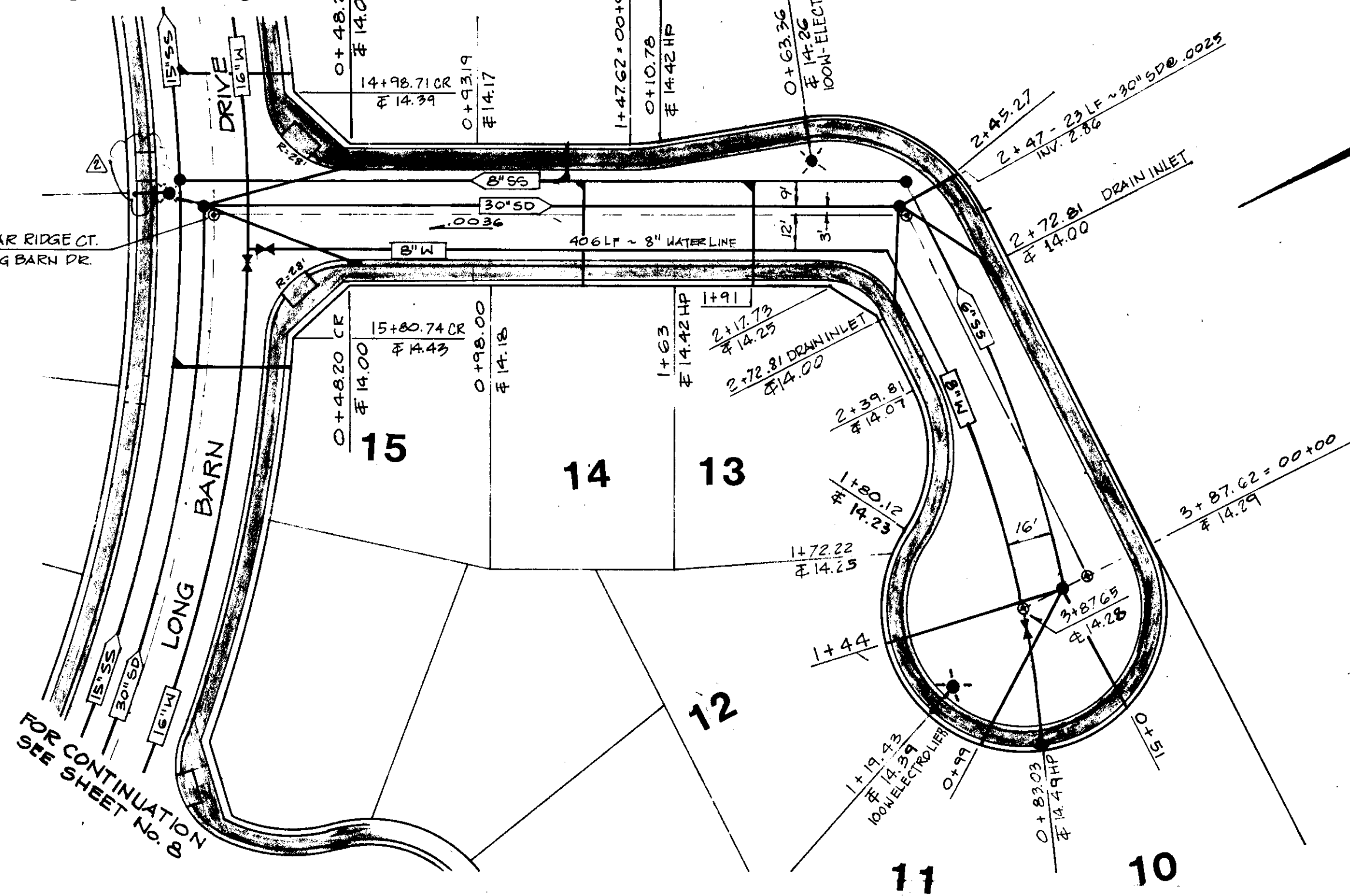
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SEE SHEET No. 8



FOR CONTINUATION
SEE SHEET No. 8



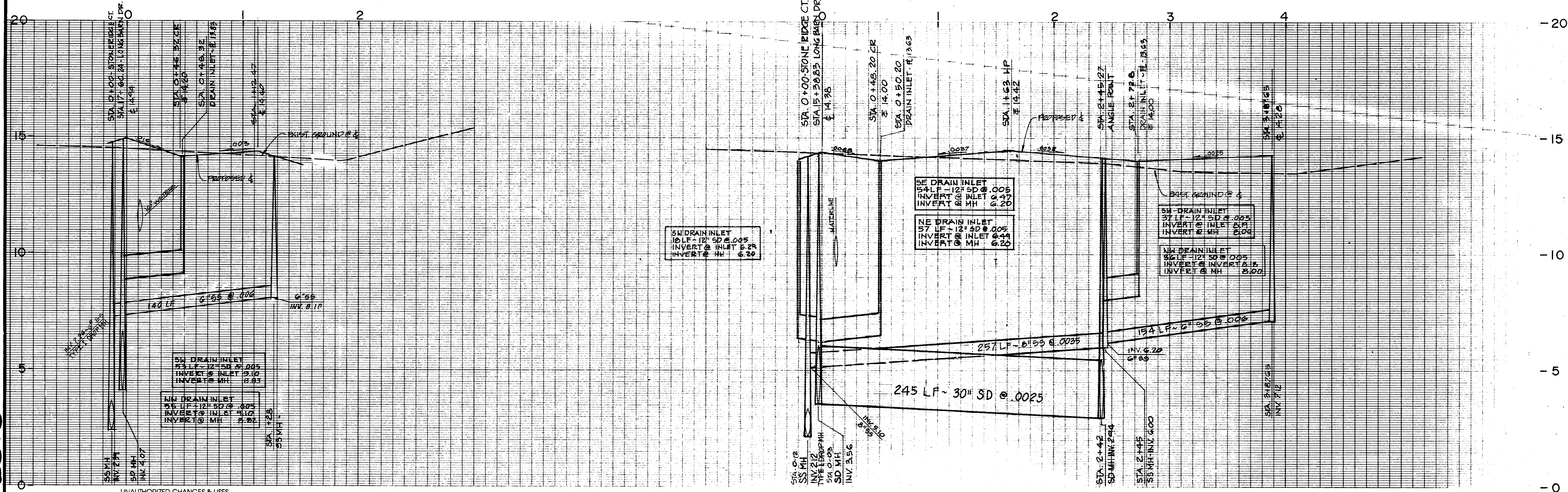
FOR CONTINUATION
SEE SHEET No. 8



SCALE: Horiz. 1"=40'
Vert. 1"=2'

STONE RIDGE COURT

CEDAR RIDGE COURT



RECORD DRAWING

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

DATE:	JULY 1989	△			
SCALE:	AS SHOWN	△			
DRAWN BY:	MTC	△			
CHECKED BY:		△			
PROJ. MGR.:	PRC	△	MTC	1-9-91	REVISED HANDICAP RAMP LOCATION
PROJ. ENGR.:	DN	△			RECORD DRAWING
NO.:	BY	DATE	REVISIONS		

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

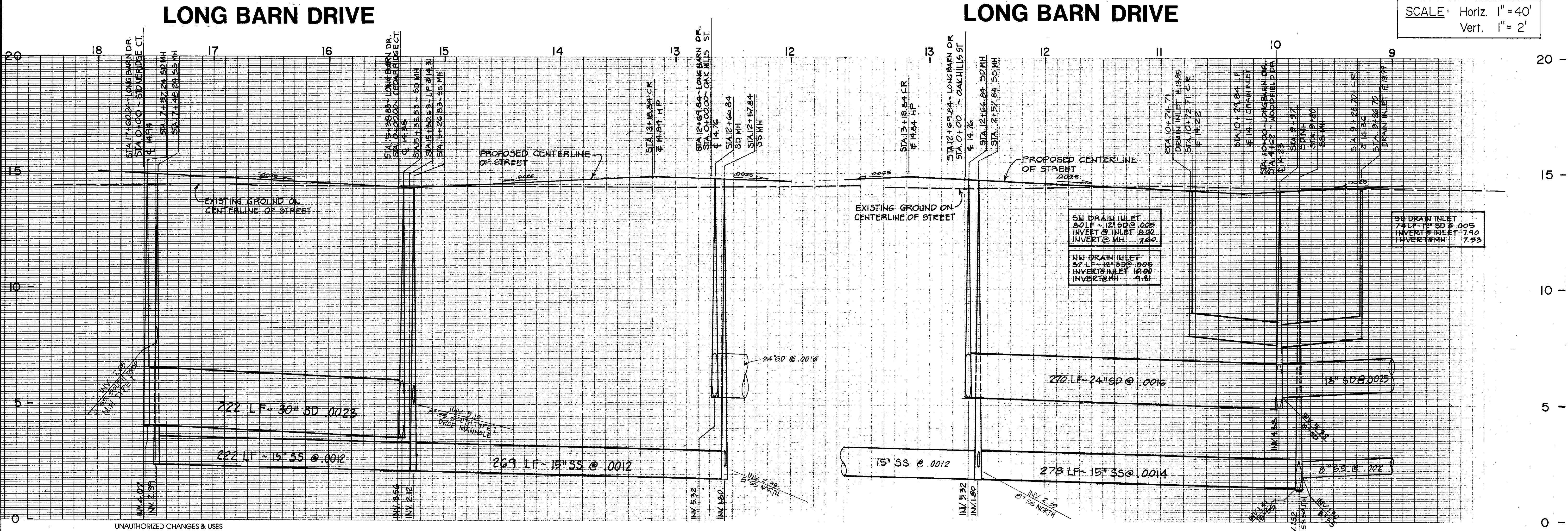
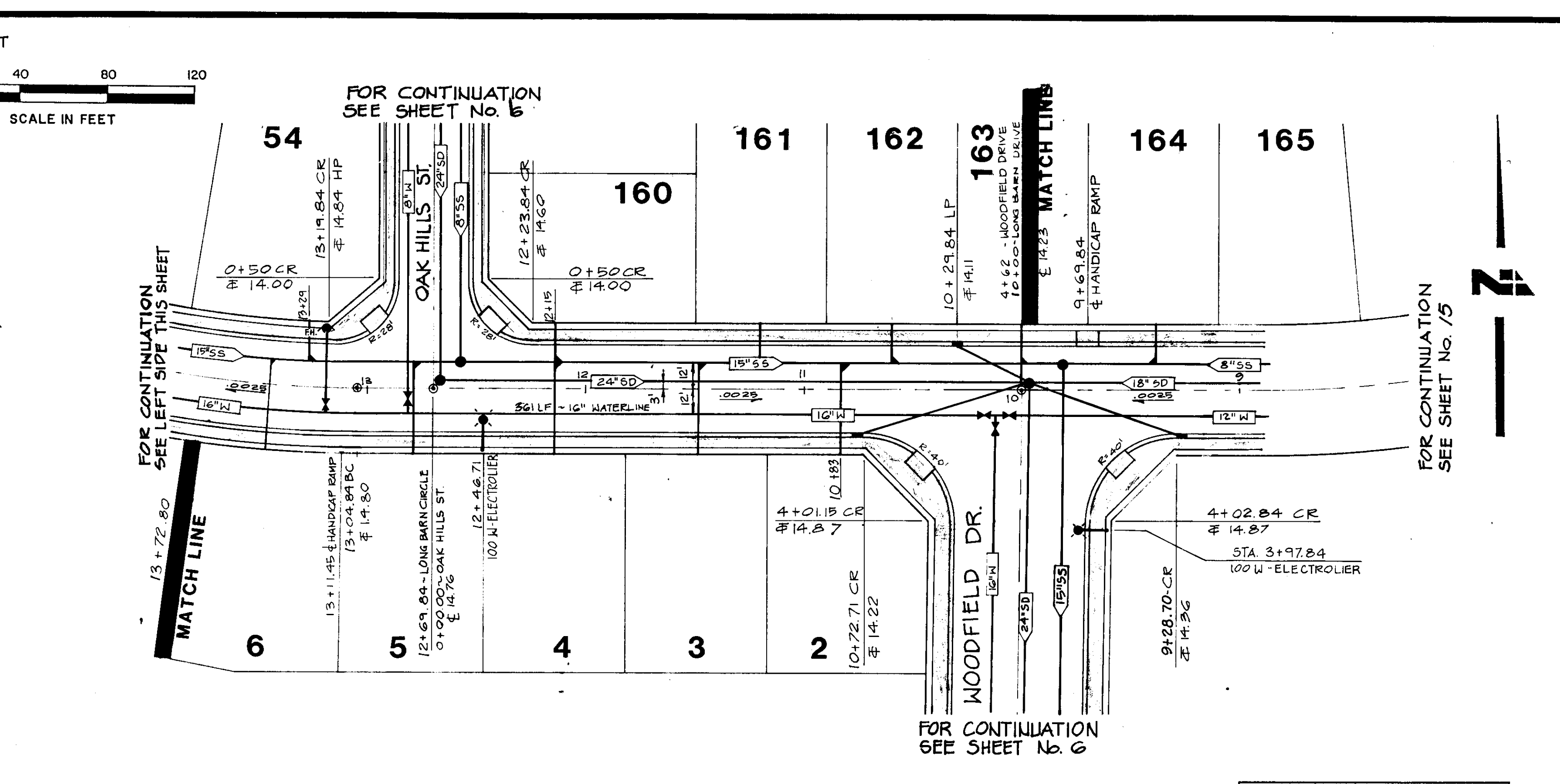
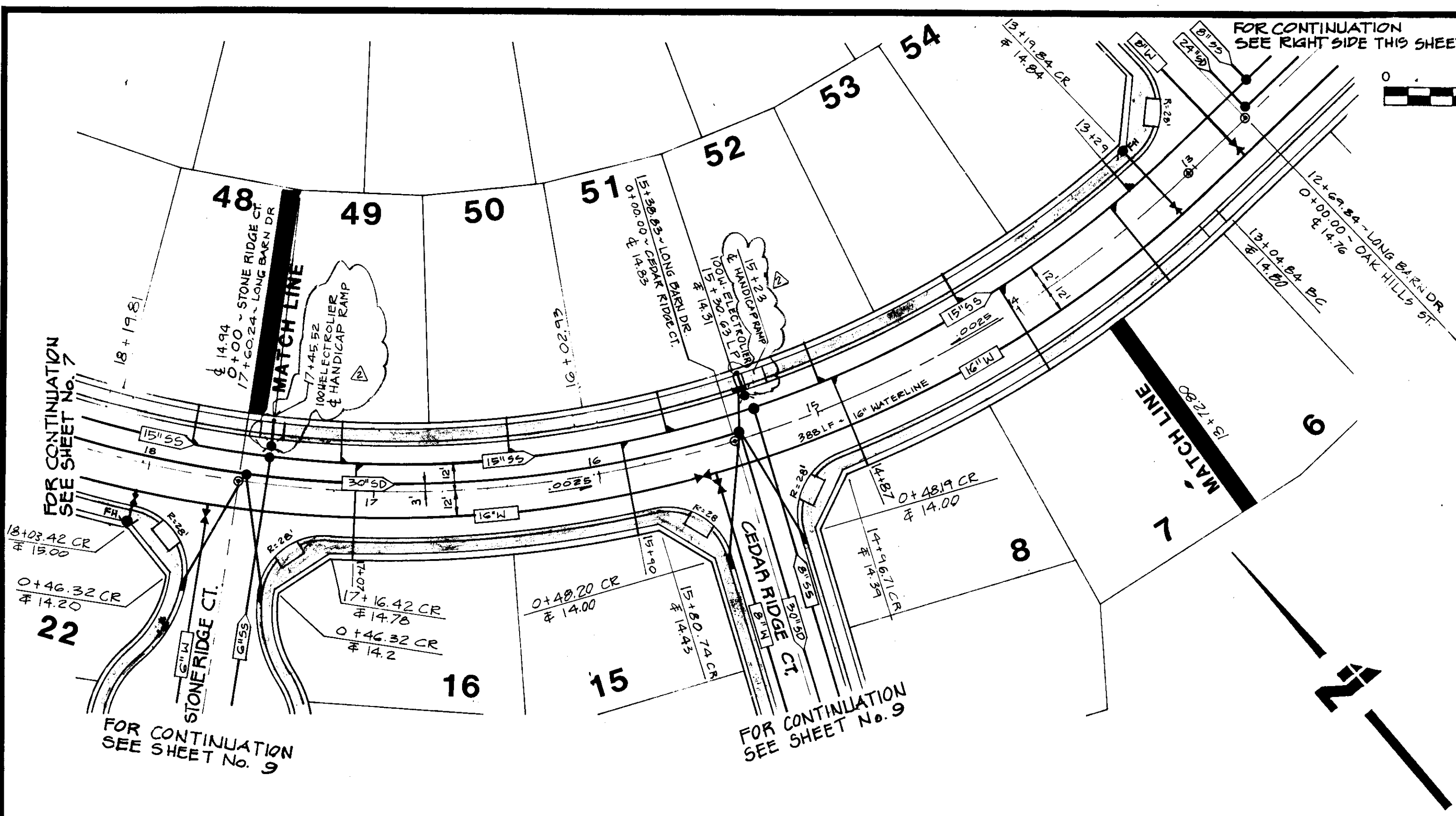
□ SACRAMENTO (916) 446-5020 □ SAN DIEGO (619) 278-9392 □ SAN JOSE (408) 287-1400 □ WALNUT CREEK (415) 934-8060

TRACT No. 2051
VALLEY HAVEN UNIT No. 1
STONE RIDGE COURT
CEDAR RIDGE COURT

LATHROP

SHEET
9
OF 36 SHEETS
JOB NO.
2707-89-04
CALIFORNIA

SU-2271



CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

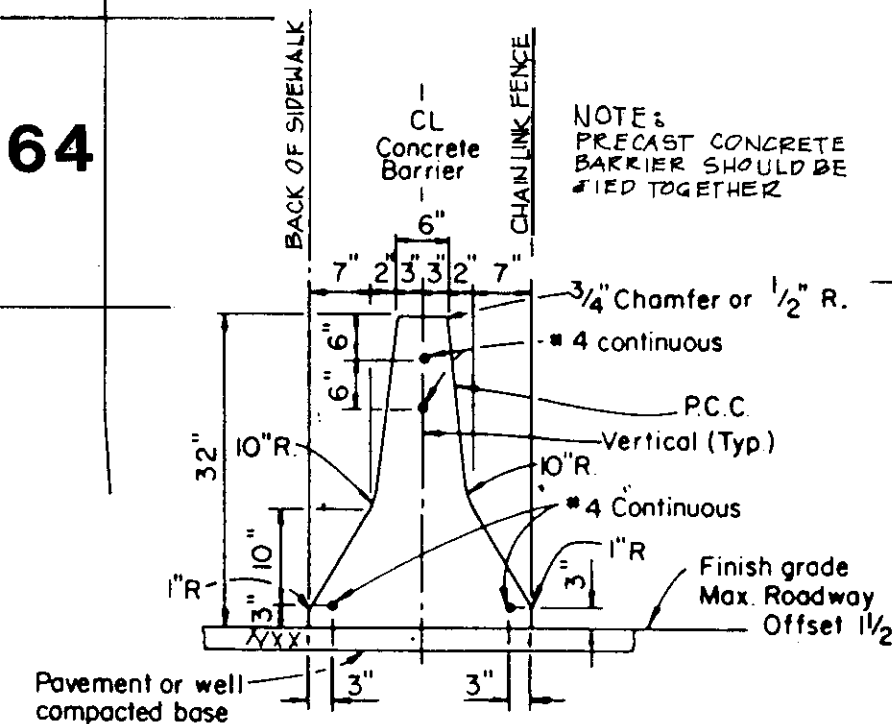
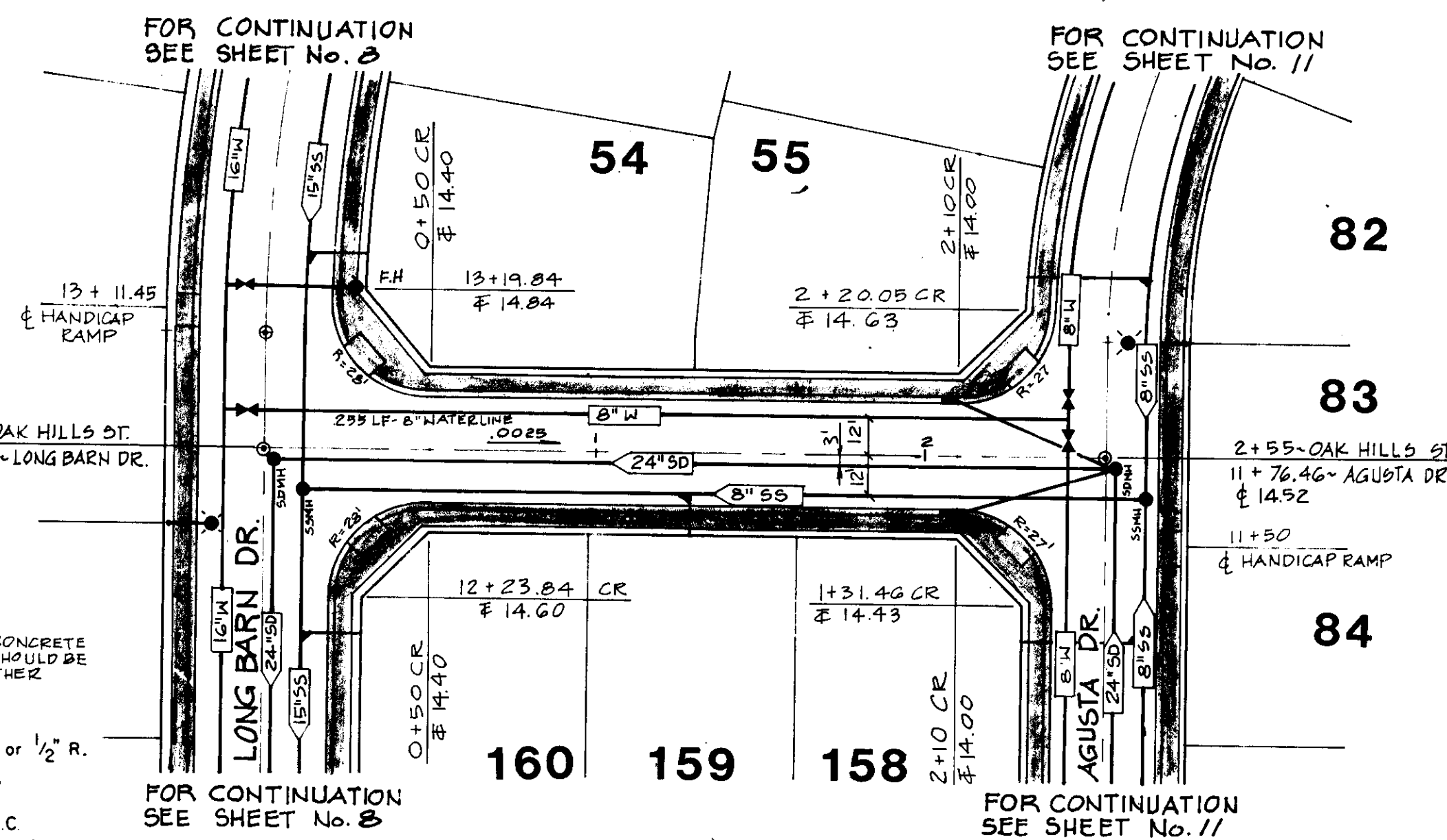
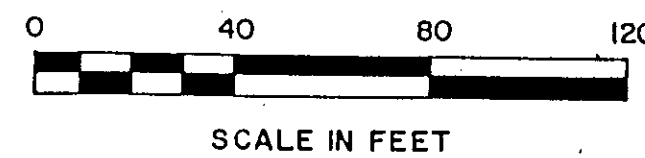
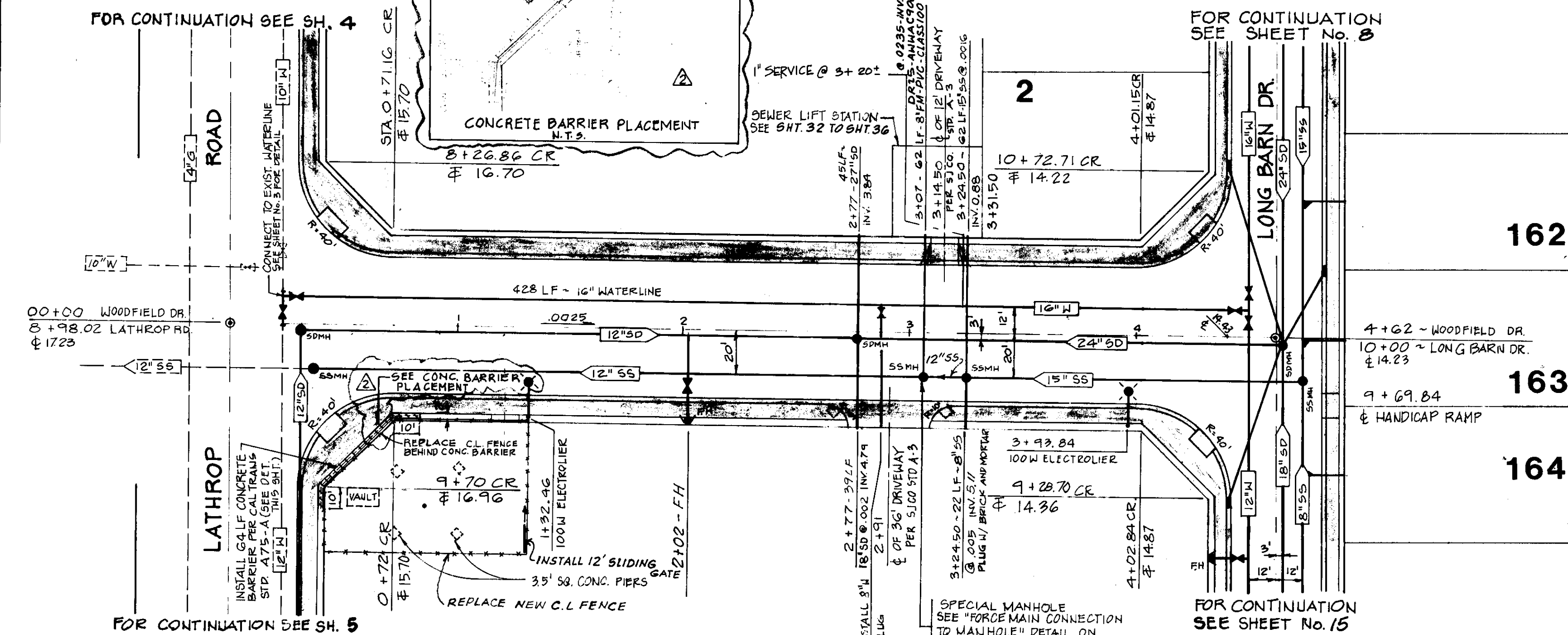
RECORD DRAWING

DATE: JULY 1989	SCALE: AS SHOWN	DRAWN BY: MTC	CHECKED BY: PRC	PROJ. MGR: DN	PROJ. ENGR: DN								
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NO.	BY	DATE	REVISIONS										
1	MTC	1-9-91	REVISED HANDICAP RAMP LOCATION FROM STA 16+02.93 AND 18+19.81 TO 15+23 TO 17+45.92 RESPECTIVELY, RECORD DRAWING										

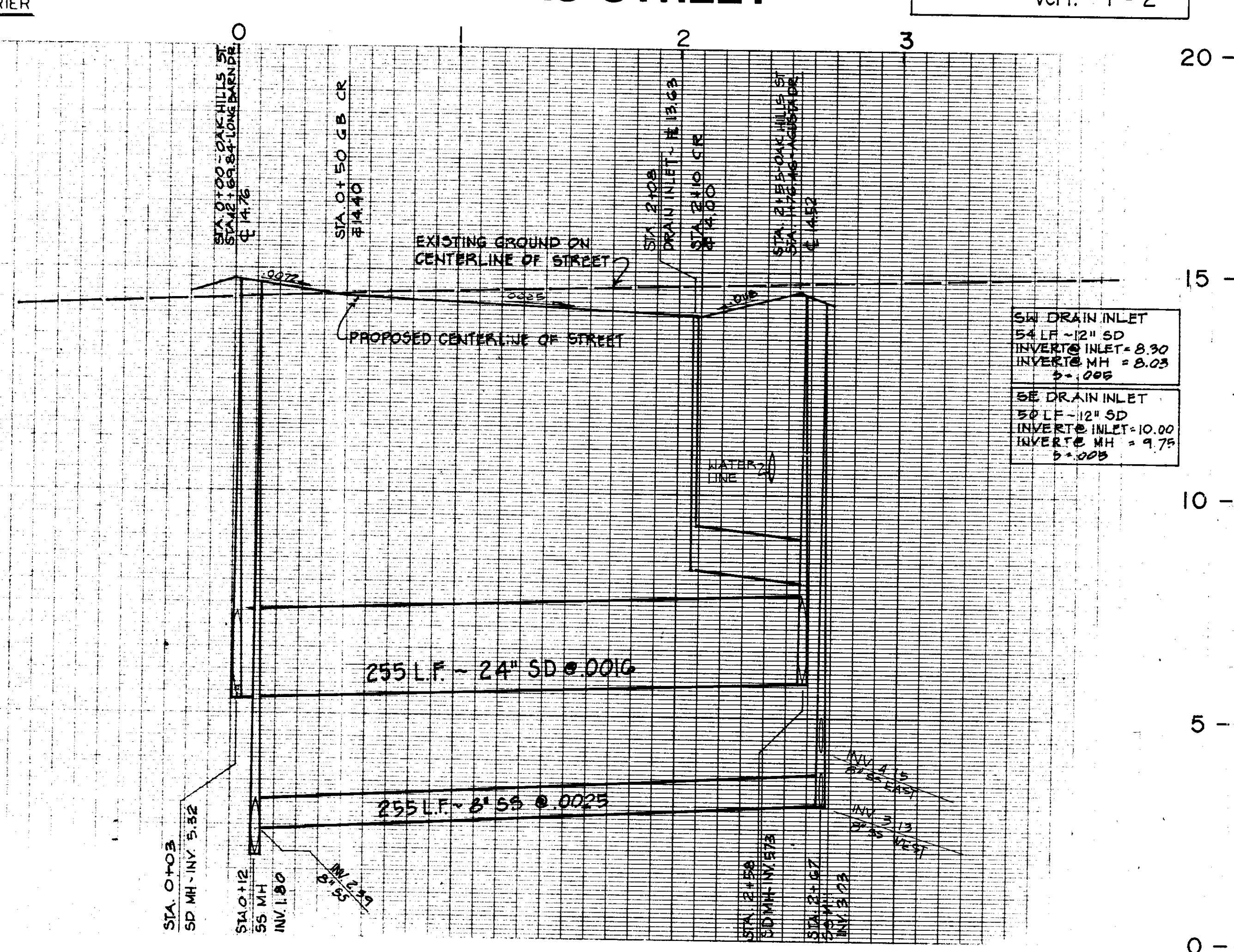
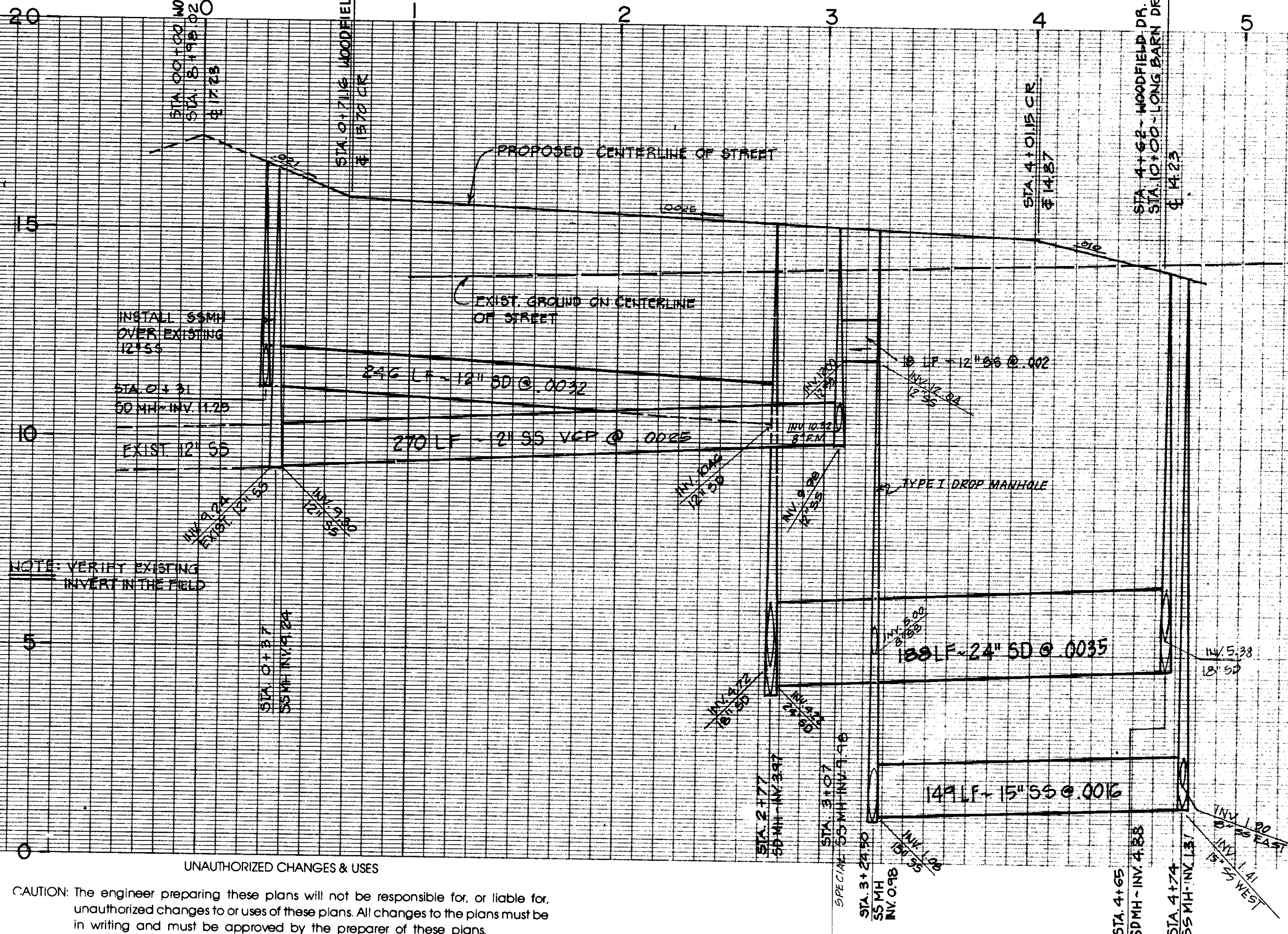
NOLTE and ASSOCIATES Engineers / Planners / Surveyors	TRACT No. 2051 VALLEY HAVEN Unit No. 1 LONG BARN DRIVE STA. 10+00 TO STA. 17+60.24	SHEET 8 OF 36 SHEETS JOB NO. 2707-89-04
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CALIFORNIA

SU-2273



SCALE: Horiz. 1" = 40'
Vert. 1" = 2'



RECORD DRAWING

DATE: JULY 1989
SCALE: AS SHOWN
DRAWN BY: MTC
CHECKED BY: PRC
PROJ. MGR.: PRC
PROJ. ENGR.: DN

NO.	BY	DATE	REVISIONS
1	MTG	1-9-91	ADDED CONC. BARRIER PLACEMENT DETAIL, RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

□ SACRAMENTO (916) 446-5020
□ SAN DIEGO (619) 278-9392
□ SAN JOSE (408) 287-3400
□ WALNUT CREEK (415) 934-8060

TRACT No. 2051
VALLEY HAVEN UNIT No. 1

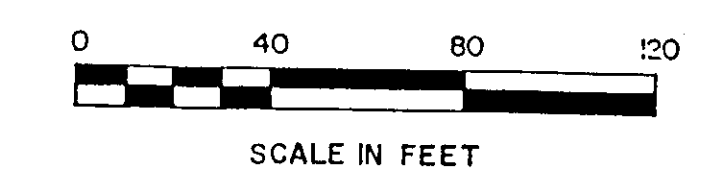
WOODFIELD DRIVE
OAK HILLS STREET

SHEET
6
OF 36 SHEETS
JOB NO.
2707-89-04

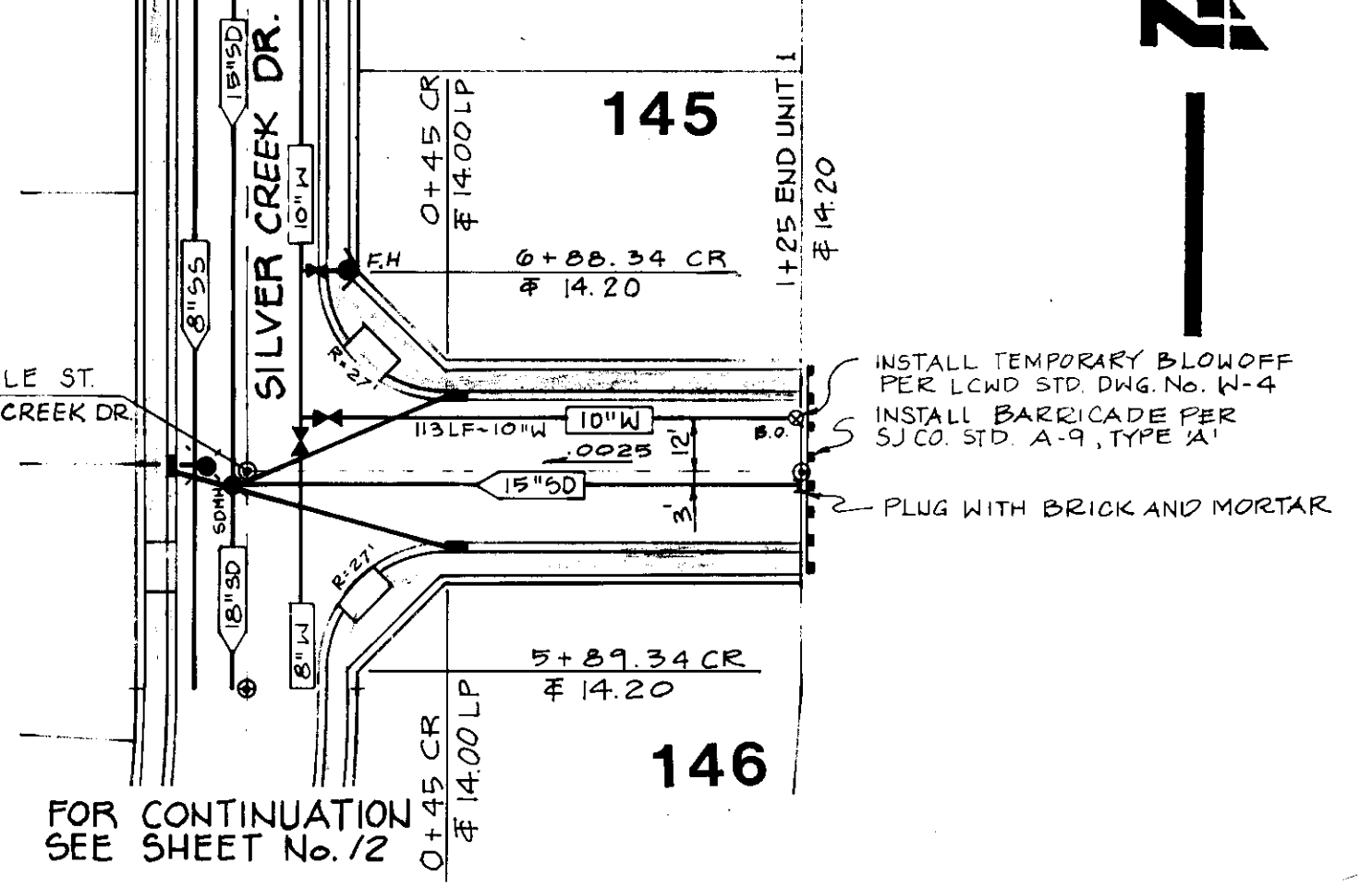
CALIFORNIA

SU-2274

FOR CONTINUATION
SEE SHEET No. 6



FOR CONTINUATION
SEE SHEET No. 12



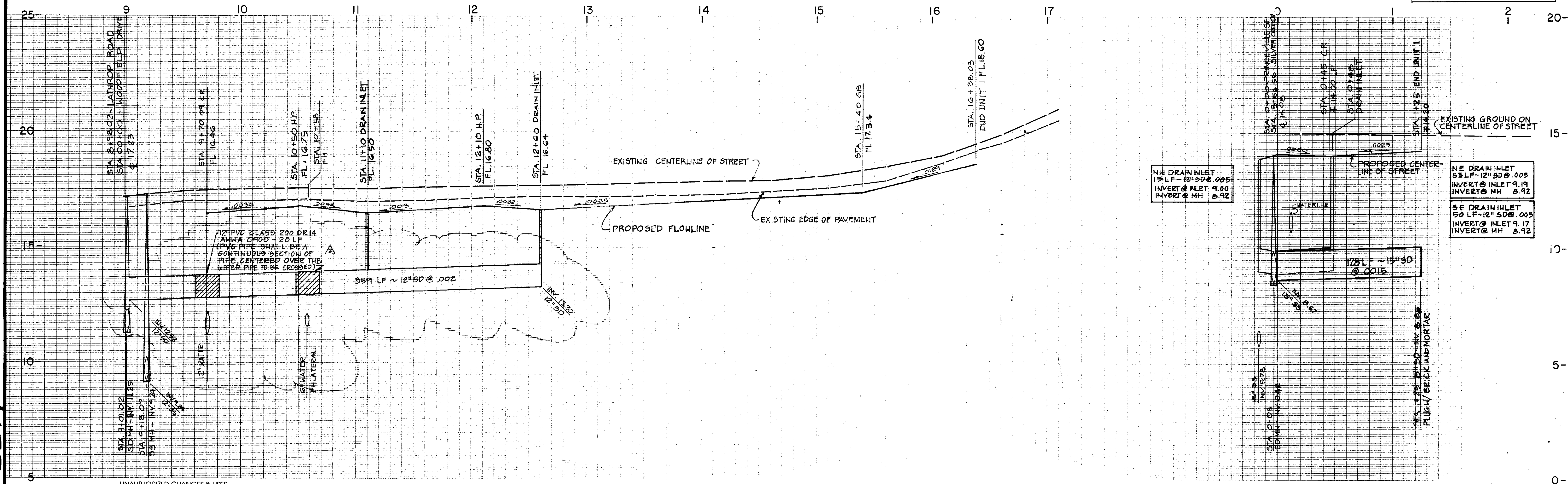
PRINCEVILLE STREET

SCALE: Horiz. 1"=40'
Vert. 1"=2'

STREET SECTION A

LATHROP ROAD

STREET SECTION B



CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

RECORD DRAWING

DATE:	JULY 1989	△			
SCALE:	AS SHOWN	△			
DRAWN BY:	MTG	△			
CHECKED BY:		△			
PROJ. MGR:	PRC	△	MTG	1-9-91	RECORD DRAWING, RAISE 12" SD LINE, ADDED PVC MATERIAL TO SD LINE
PROJ. ENGR:	DN	△	MTG	12-21-91	REVISED RIGHT OF WAY
		NO.	BY	DATE	REVISIONS

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

SACRAMENTO
(916) 446-5020

SAN DIEGO
(619) 278-9192

SAN JOSE
(408) 287-1481

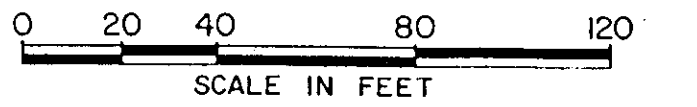
WALNUT CREEK
(415) 914-8040

TRACT No. 2051
VALLEY HAVEN UNIT No. 1
LATHROP ROAD STA. 8+98.02 TO STA. 16+38.03
PRINCEVILLE STREET STA. 00+00 TO STA. 1+25

SHEET 5
OF 36 SHEETS
JOB NO.
2707-89-04

CALIFORNIA

ON JOSEPH H. BLOOMER



SCALE: Horiz. 1" = 40'
Vert. 1" = 2'

RECORD DRAWING

6
5
4
3
2
1
NO

NO.	BY	DATE	REVISIONS
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☐ SACRAMENTO (916) 446-5020 ☐ SAN DIEGO (619) 278-9392 ☐ SAN JOSE (408) 287-3400 ☐ WALNUT CREEK (415) 934-8060

LATHROP

CALIFORNIA	2707-89-04
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LAMPHOLE RING AND COVER

LAMPHOLE

NOTES

1. VALVE BOX AND LID SHALL BE "CHRISTY NO. G3" AND "CHRISTY NO. G275" OR EQUALS.
2. ALL LIDS SHALL HAVE MACHINE SEATING SURFACES.
3. EXTENSIONS SHALL BE AS MANUFACTURED FOR THE VALVE BOX SUPPLIED OR A.C. PIPE OF CORRECT SIZE MAY BE USED.
4. CONCRETE COLLAR SHALL BE OF CLASS "B" CONCRETE AND SHALL BE CONSTRUCTED TO FINISHED GRADE AFTER STREETS ARE PAVED.
5. GATE VALVE SHALL BE "KENNEY HUB-A-WAY" HUB 5735, HUB FLANGE 579X, OR FLANGE x FLANGE 561X OR "MUELLER HUB-A-HUB A-2380-24, HUB/FLANGE A-2380-26, OR FLANGE x FLANGE A-2380-6" OR EQUAL.
6. GATE VALVE SHALL BE A.W.W.A. STANDARD IRON BODY, DOUBLE DISC, WITH NON-RISING STEM.

STANDARD VALVE BOX

LATHROP COUNTY WATER DISTRICT
LATHROP, CALIFORNIA

STANDARD FIRE HYDRANT DETAIL

LATHROP COUNTY WATER DISTRICT
LATHROP, CALIFORNIA

- NOTES:**
1. FIRE HYDRANTS SHALL BE PLACED WITH 4-1/2" OUTLET FACING DIRECTLY TOWARDS THE STREET.
 2. FIRE HYDRANTS SHALL BE CLEAN AND FREE OF CONCRETE.
 3. *Blue dot in Roadway*

SECTION

NOTES

1. All exposed steel shall be coated with 2 coats of coal tar pitch heated to a minimum of 180°F or galvanized.
2. Grate, Frame and Side Inlet shall conform to PINKERTON A-645 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.

TYPE I
CURB INLET CATCHBASIN

PLAN VIEW

- NOTE:** Frame and Cover shall be machined to assure interchangeability and a close, quiet fit.

STANDARD THRUST BLOCK

THRUST BLOCK SIZE				
DIAMETER OF PISTON INCHES	HORIZONTAL SIZE		WEIGHT AT VERTICAL BENDS - LBS.	
	SURFACE AREA SQ. FT.	THICKNESS INCHES		
22-1/2" OR LESS				
6 OR LESS	—	8	1,700	
8	3	12	3,000	
10	3.5	12	4,600	
12	4	18	6,000	
14	5 1/2	18	9,000	
16	6	18	11,800	
49" BENDS				
6 OR LESS	4	12	3,300	
8	5	14	4,200	
10	6	18	5,200	
12	7	18	11-1/2 3,000	
14	8	24	7,000	
16	11.5	24	13,200	
50" BENDS				
6 OR LESS	6	12	6,200	
8	8	15	10,700	
10	10	18	16,700	
12	12	18	24,000	
14	18	24	32,800	
16	21	24	42,715	
TEES & DEAD ENDS				
6 OR LESS	3	12	—	
8	4	15	—	
10	6	18	—	
12	8.5	18	—	
14	11.5	24	—	
16	15	24	—	

NOTE:

ALL VALUES SHOWN ARE MINIMUM FOR
A HYDROSTATIC PRESSURE OF 150 P.S.I.
AND A SOIL RESISTANCE OF 2000 LBS/SQ
FT. WITH PIPELINE A MINIMUM OF 2 FT.
OF COVER.

RIGID 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 of 231.
 2. All existing pavement shall be neatly 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.
 5. PIPE BEDDING AND INITIAL BACKFILL FOR GENER PIPE SHALL CONFORM TO LCWD STD. DWG. NO. 5-3.

FLEXIBLE CONDUIT

TYPICAL TRENCH BACKFILL

MONOLITHIC BEVEL TYPE
CURB, GUTTER & SIDEWALK

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

CURB, GUTTER, & SIDEWALK
SUBDIVISION STREETS

NOTES:

1. CONCRETE THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL AND BACKFILL TAMPED THOROUGHLY.
2. RISER SHALL BE CLEAR OF VALVE BOX THROAT.
3. 8"Ø COLLAR TO BE CLASS "3" CONCRETE AND TO BE CONSTRUCTED TO FINISH GRADE AFTER STREETS ARE PAVED.
4. VALVE MAY BE LOCATED ON RISER PROVIDED THAT A 4" MIN. CLEARANCE BE MAINTAINED TO THE VALVE BOX THROAT.

STANDARD WATER LINE BLOW OFF

UNAUTHORIZED CHANGES & USES

CAUTION: The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

CLEANOUT

LATHROP COUNTY WATER DISTRICT
LATHROP, CALIFORNIA

N O T E S

- 1 CORPORATION STOP SHALL HAVE CORPORATION COCK THREADS.
- 2 ANGLE STOP SHALL HAVE SWIVEL NUT AND LOCK WINGS.
- 3 SERVICE LINE SHALL BE INSTALLED BY DEVELOPER FOR NEW CONSTRUCTION.
- 4 WATER METER AND METER BOX SHALL BE INSTALLED BY THE DEVELOPER.
- 5 RISE SHALL BE VERTICALLY PLACED FOR SINGLE FAMILY RESIDENCE.
- 6 SERVICE LINES SHALL BE 3/4" MINIMUM FOR SINGLE FAMILY RESIDENCE AND SHALL BE 1" MINIMUM FOR DUPLEX UNITS.
- 7 SERVICE SADDLE WITH STAINLESS STEEL STRAPS SHALL BE REQUIRED FOR ALL SERVICES. SINGLE SERVICES SHALL BE 3" SERVICES AND DOUBLE STRAP FOR 1" OR LARGER SERVICES.

STANDARD COPPER WATER
SERVICE INSTALLATION
LATHROP COUNTY WATER DISTRICT
LATHROP, CALIFORNIA

FRAME & COVER
(STORM MANHOLE)

SEWER - WATER CROSSING DETAIL

DATE: AUGUST 1989
SCALE: NONE
DRAWN BY: MTG
CHECKED BY: _____
PROJ. MGR.: PRC
PROJ. ENGR.: DN

6
5
4
3
2
1

MTC	1-9-91	RECORD DRAWING, WAS COPPER TUBING
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REVISIONS

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

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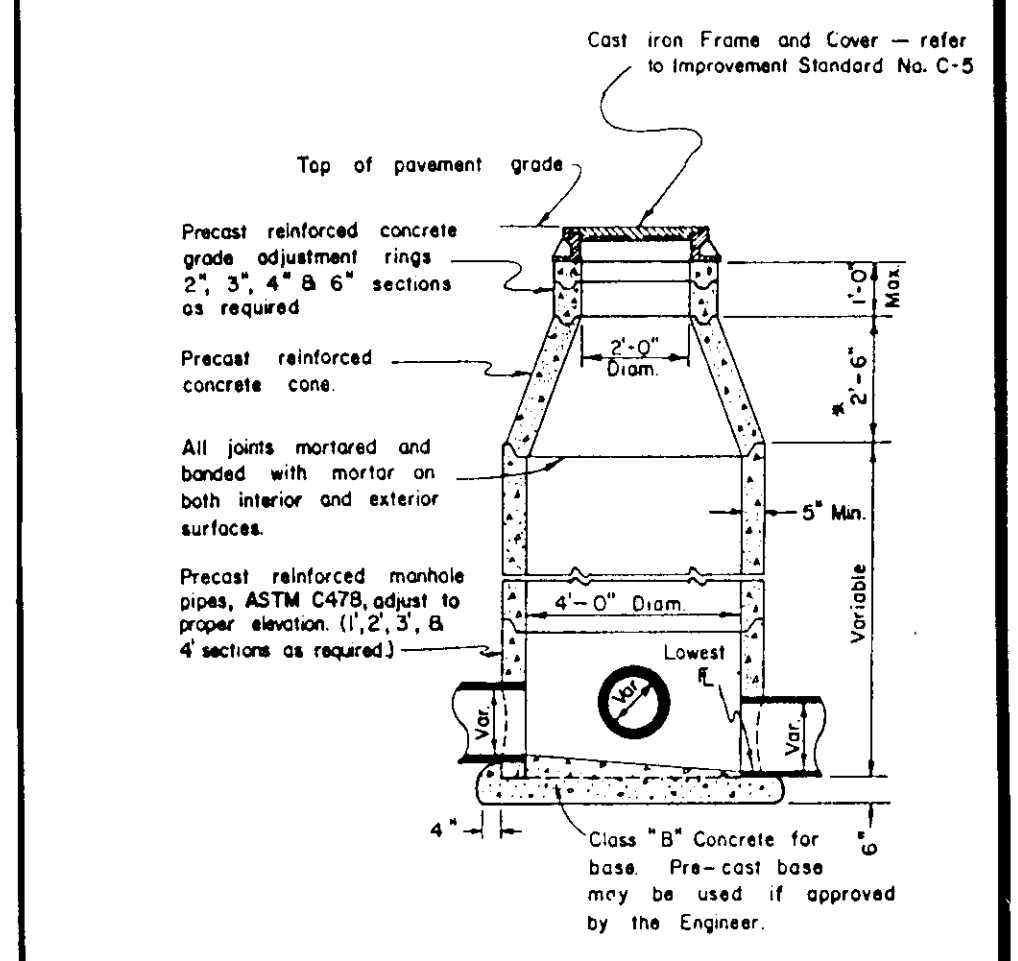
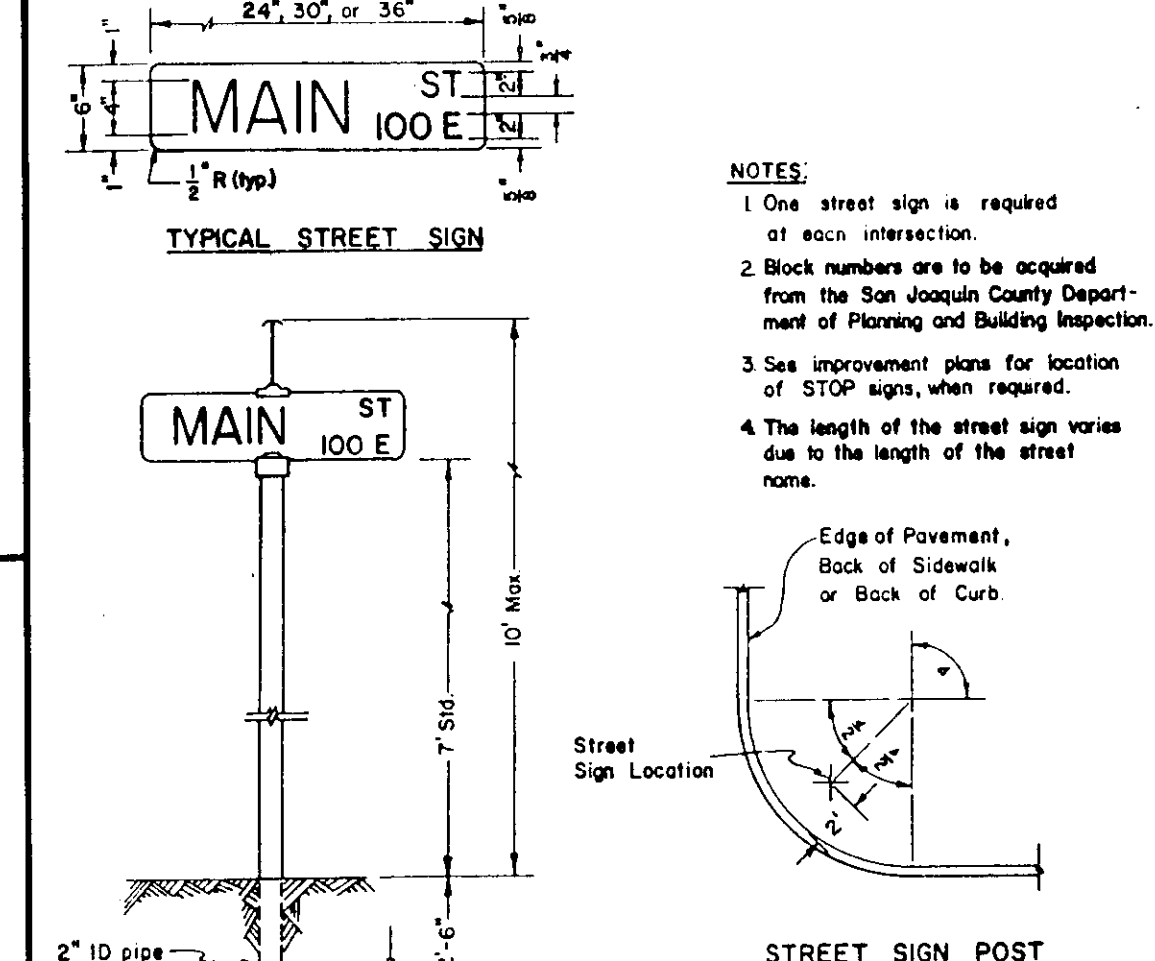
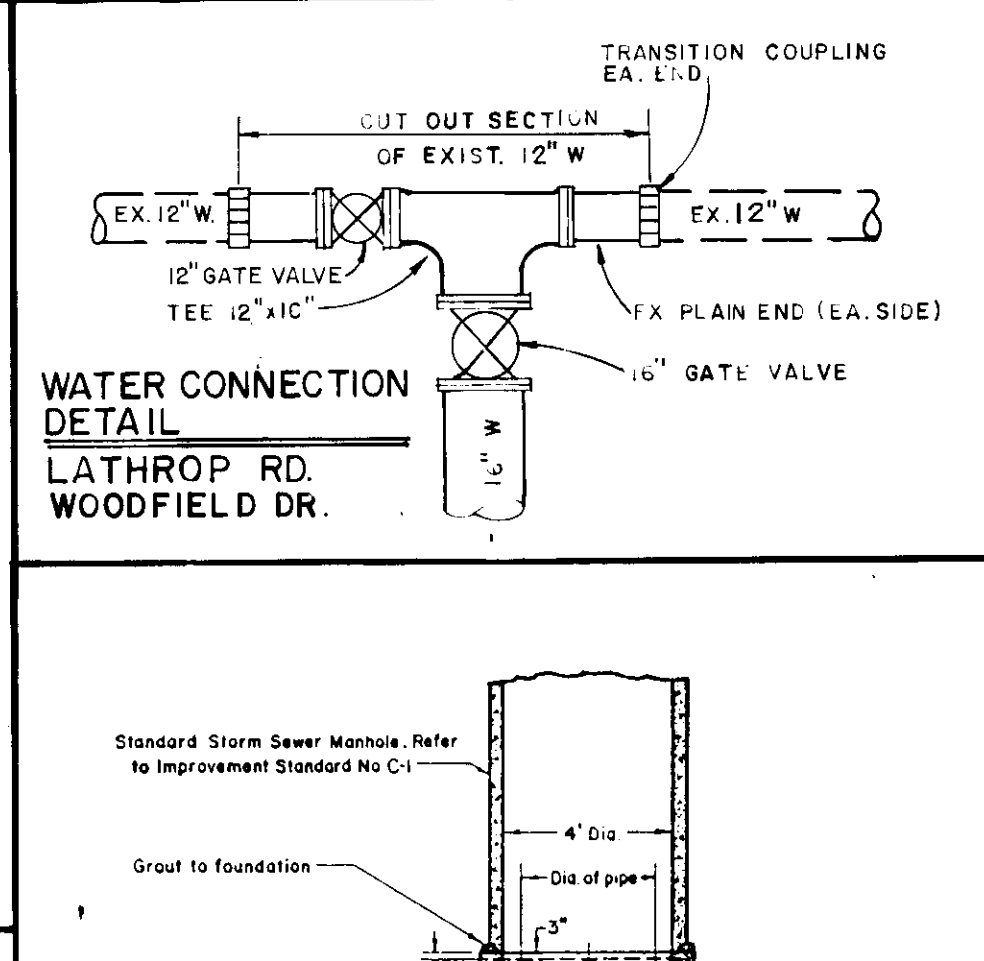
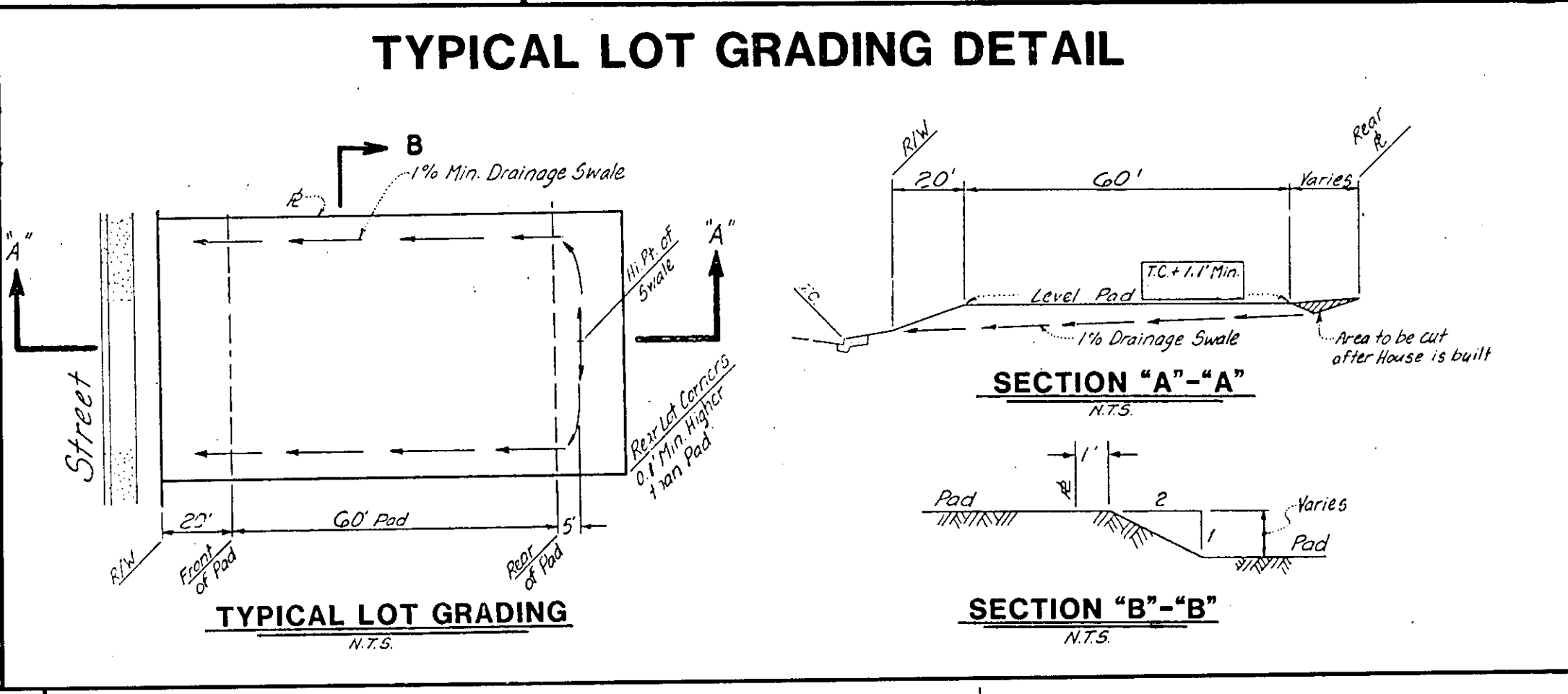
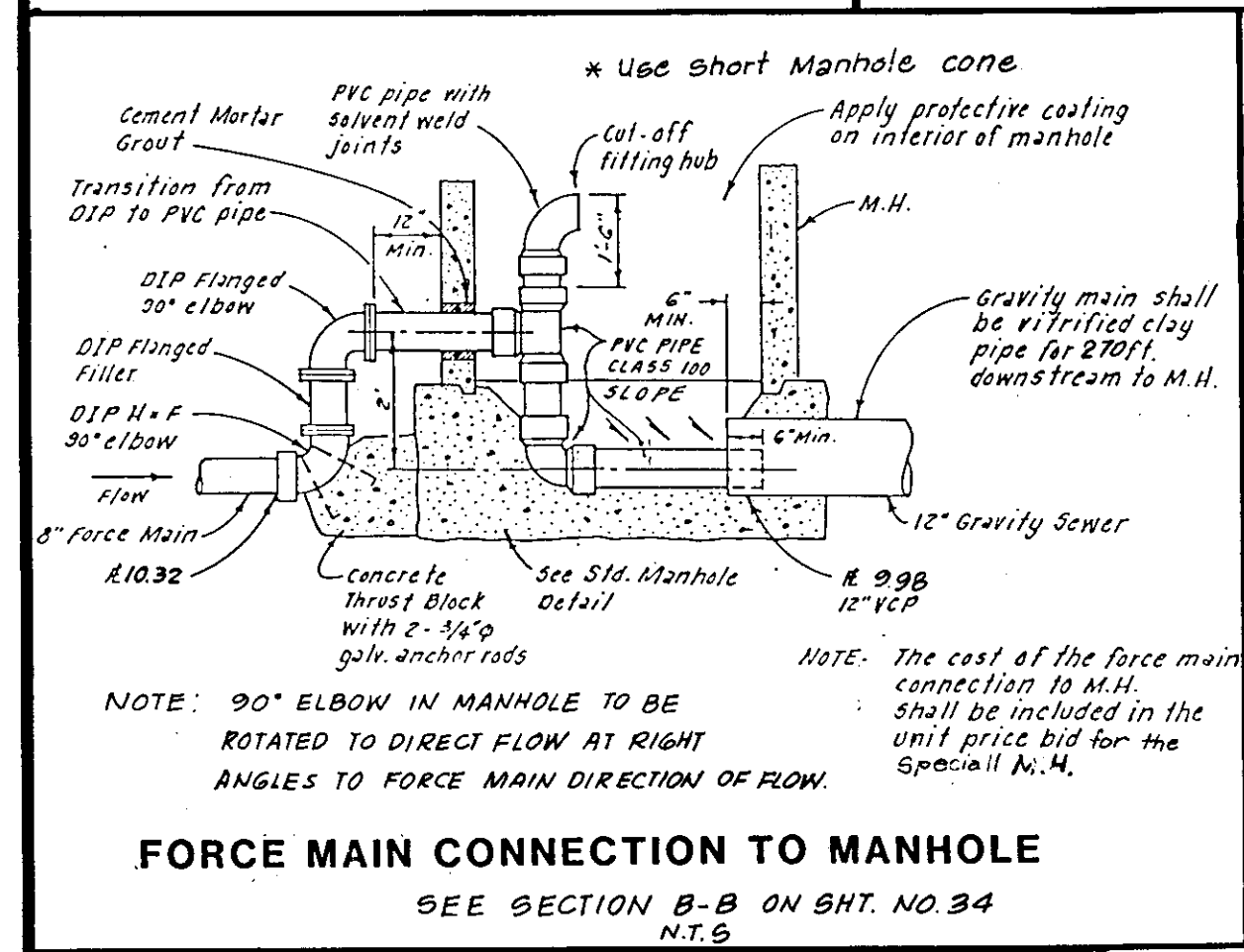
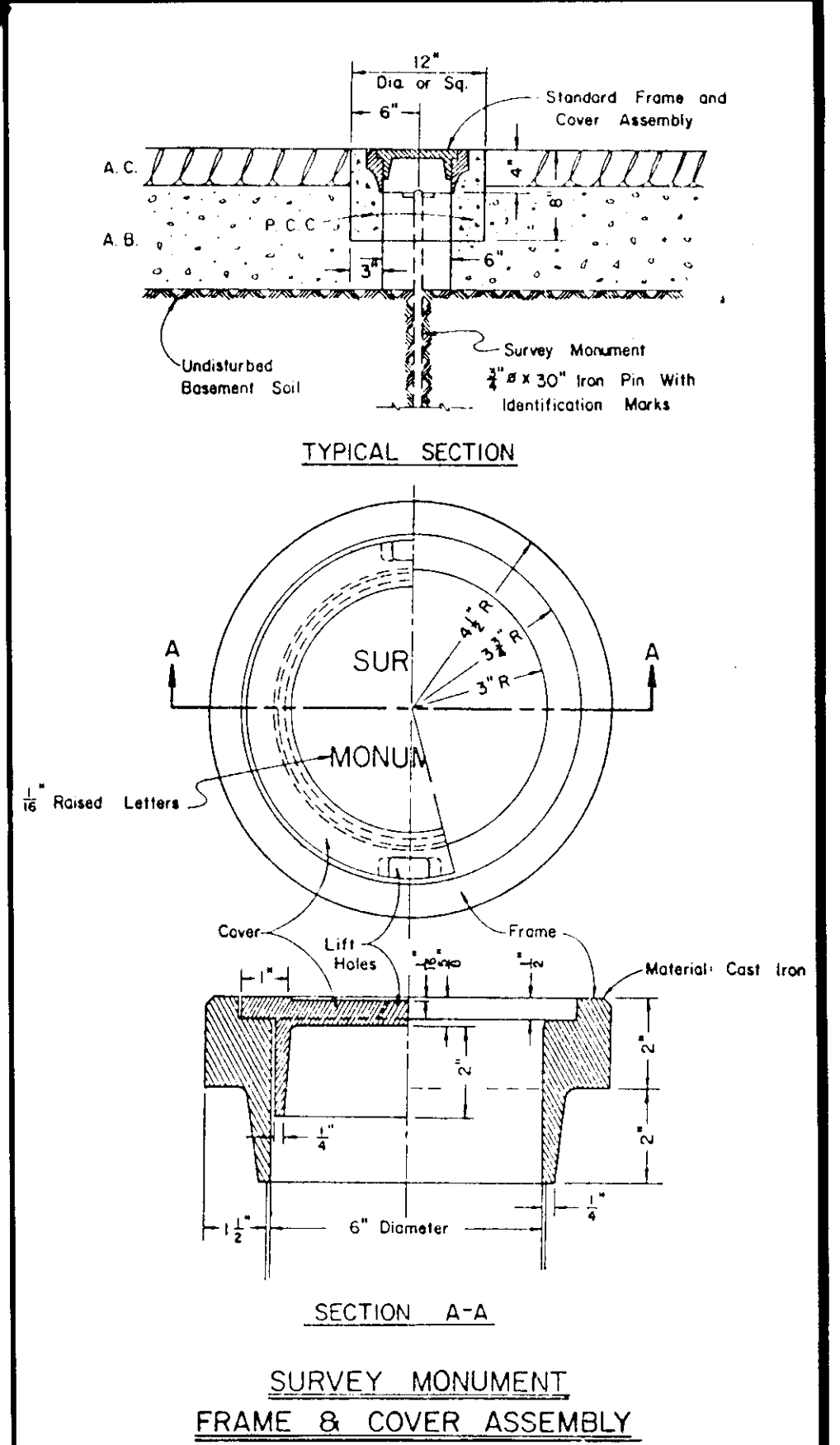
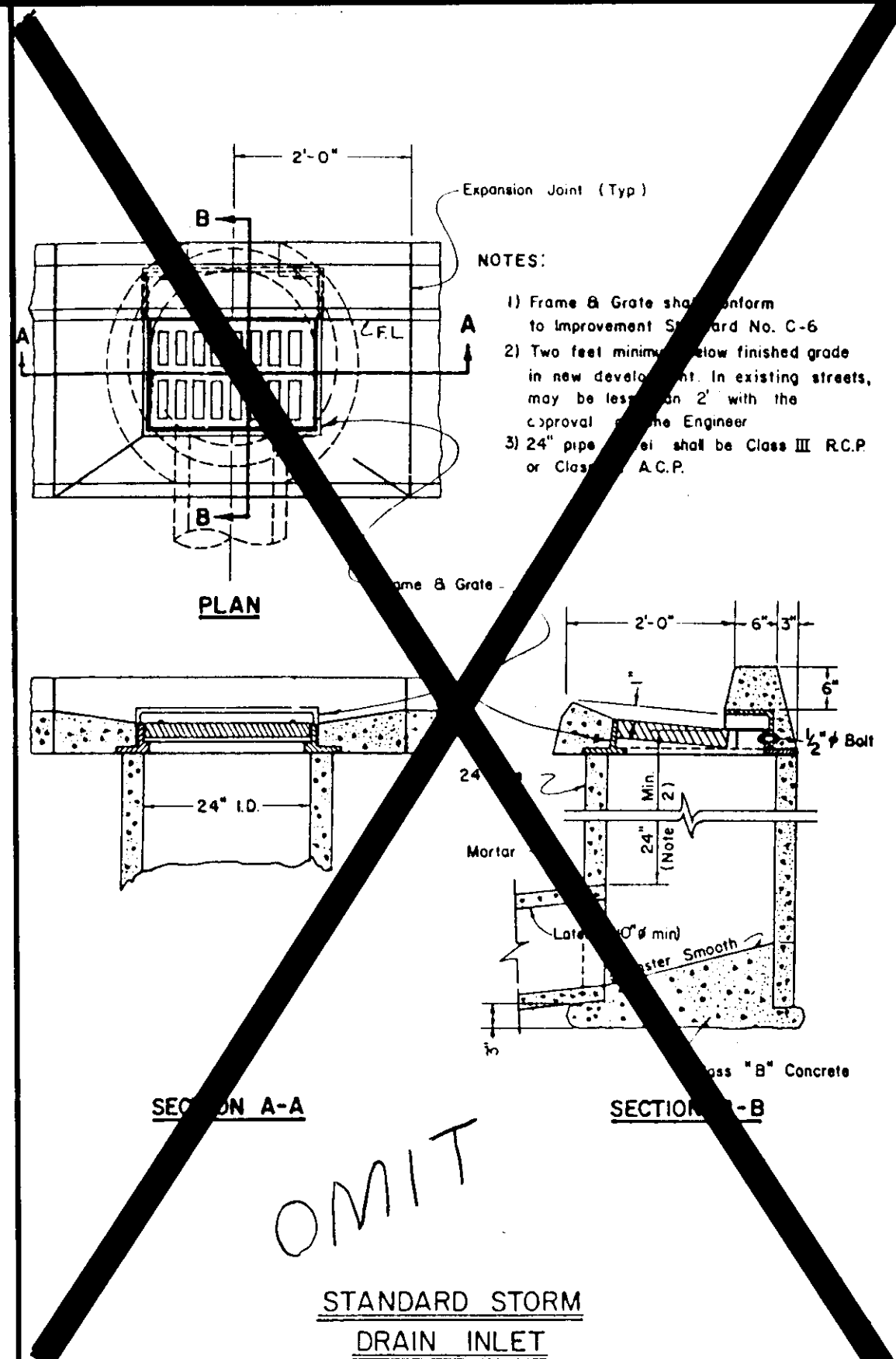
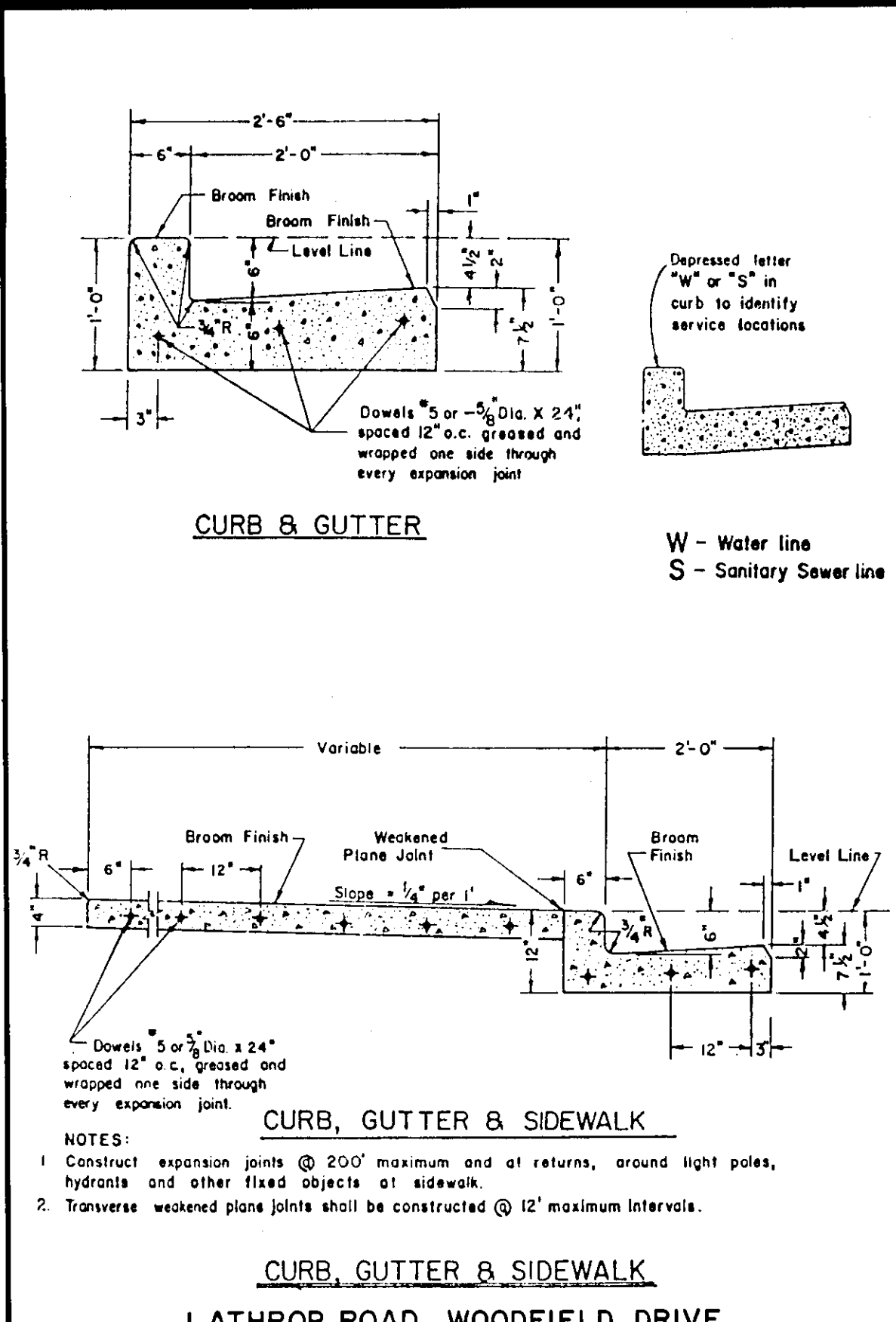
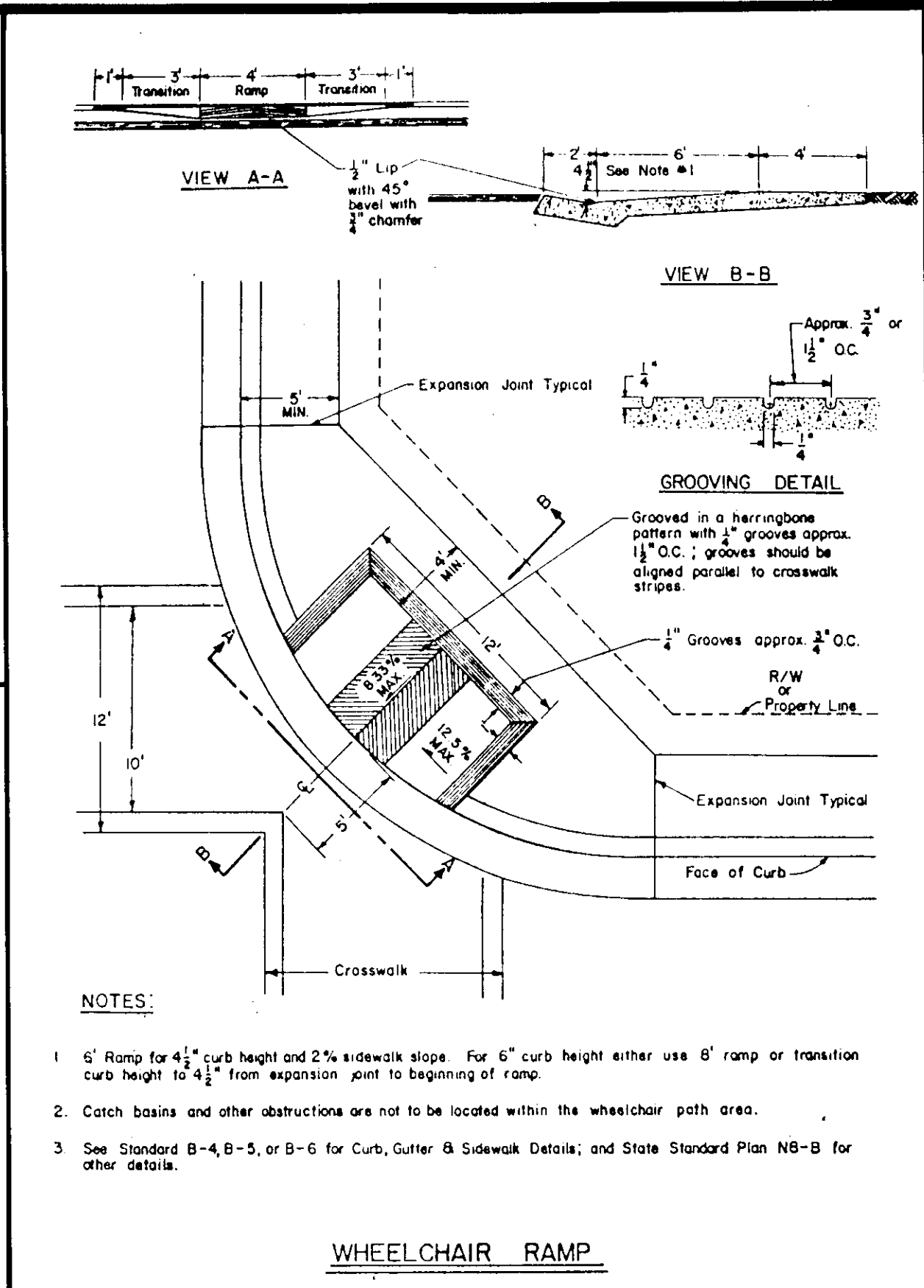
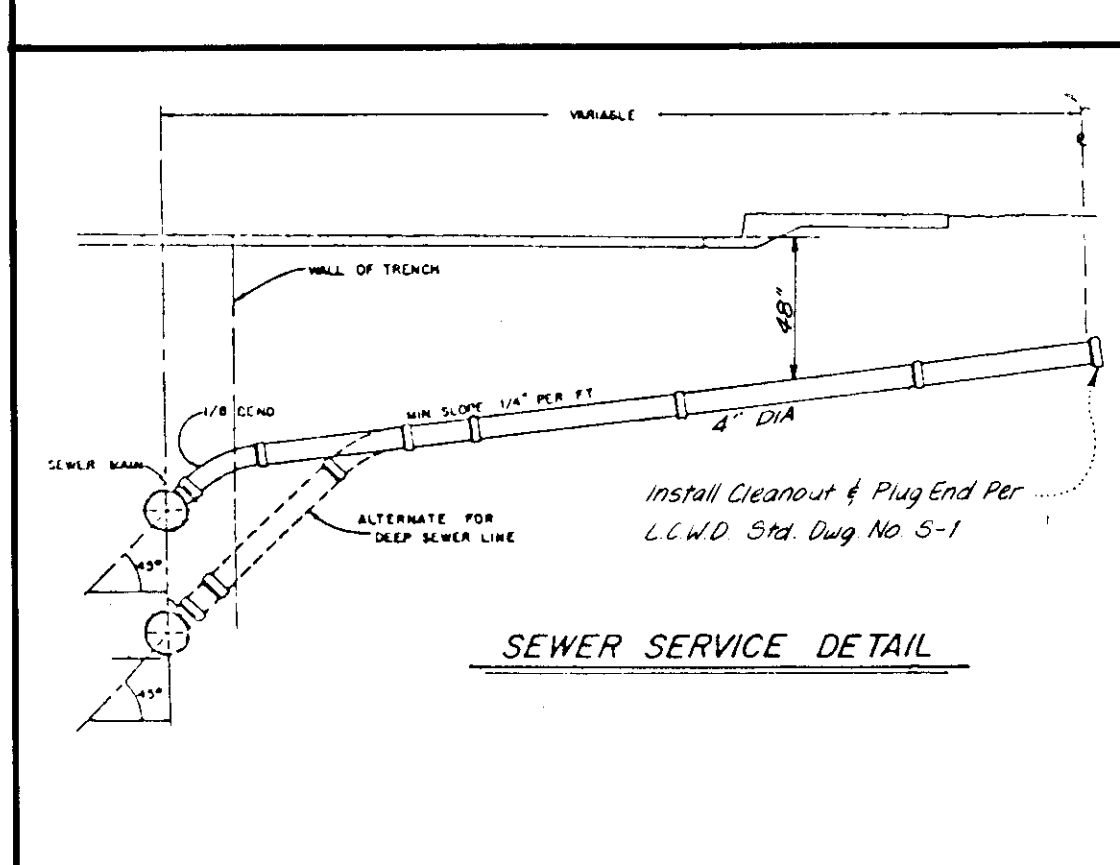
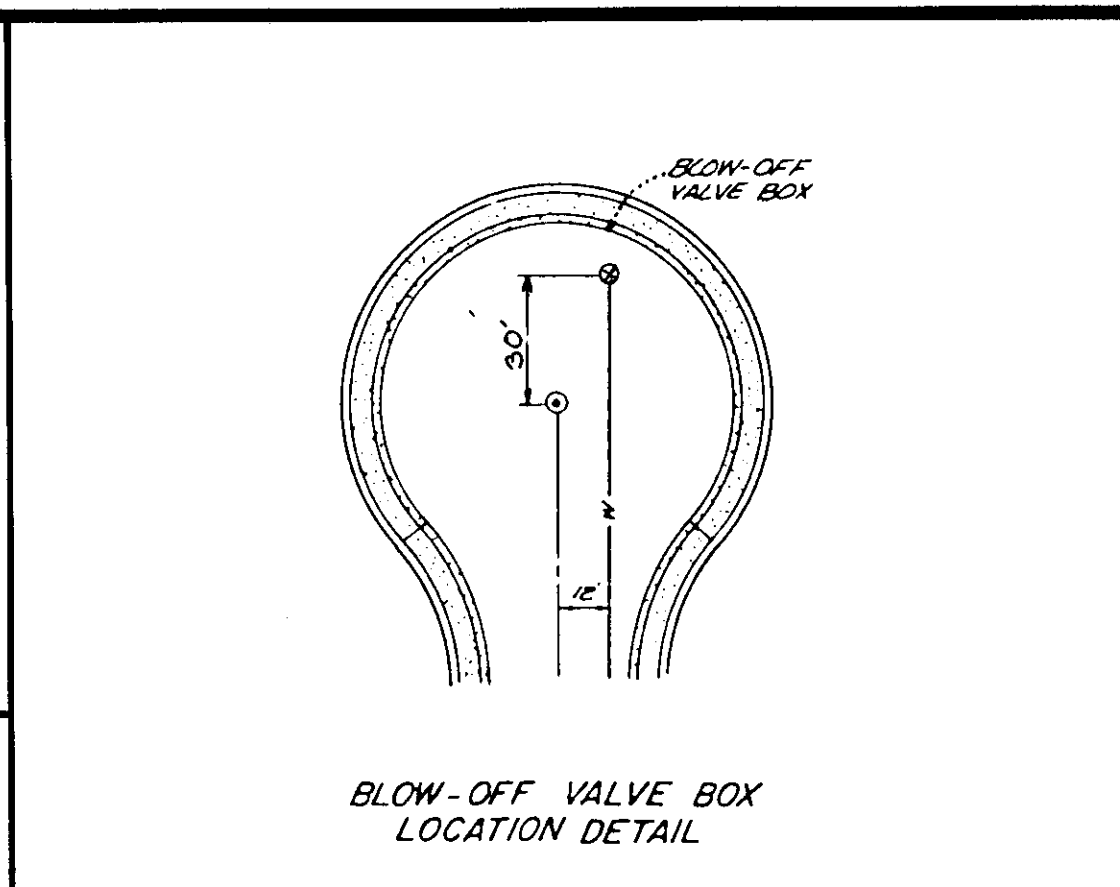
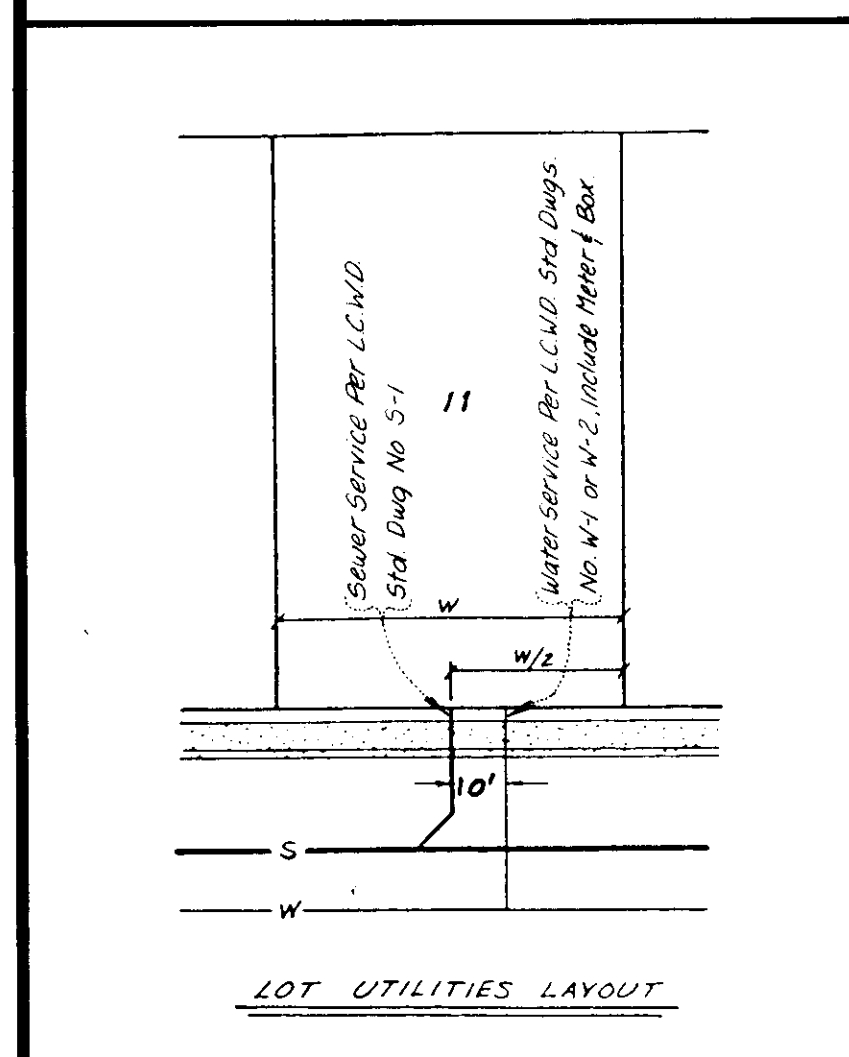
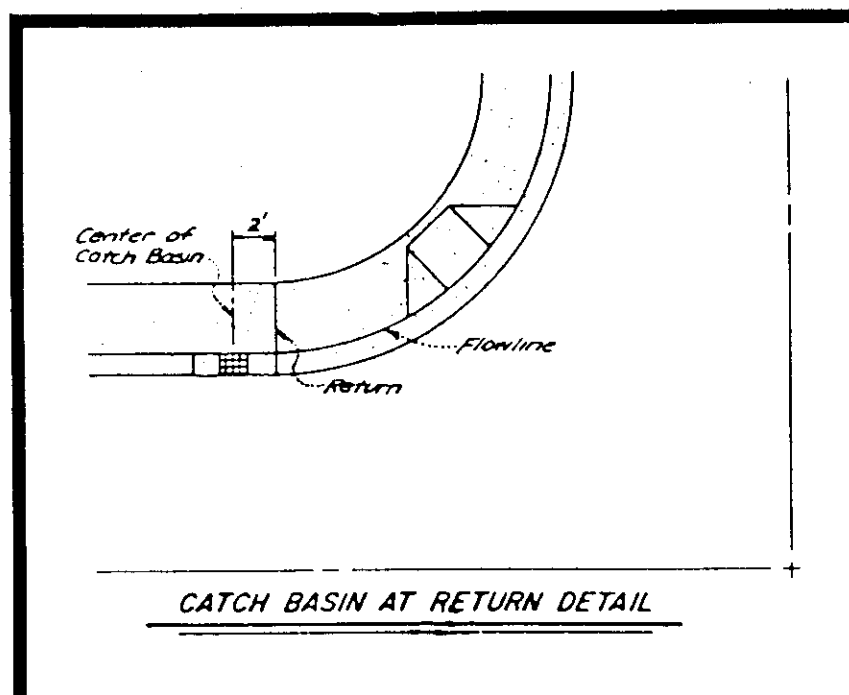
LATHROP

TRACT No. 2051
VALLEY HAVEN UNIT No. 1
DETAIL SHEET

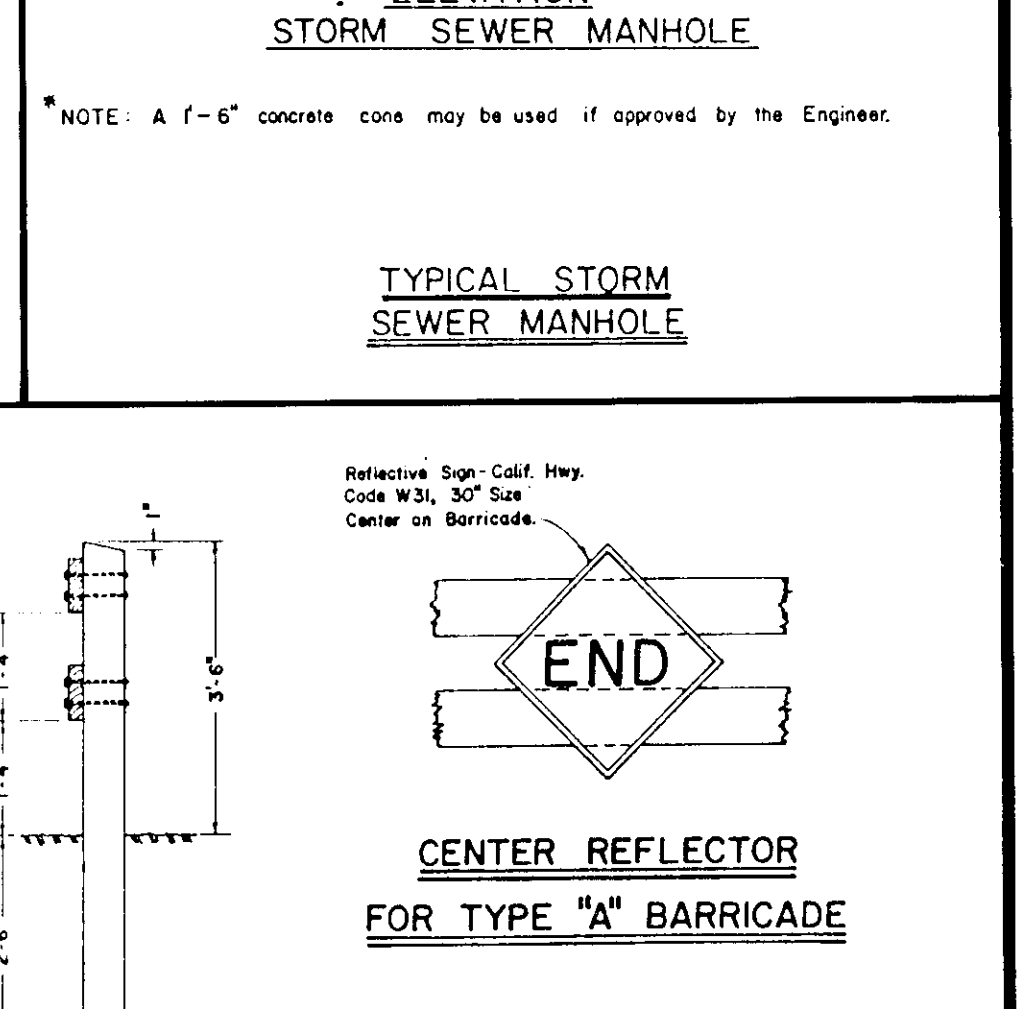
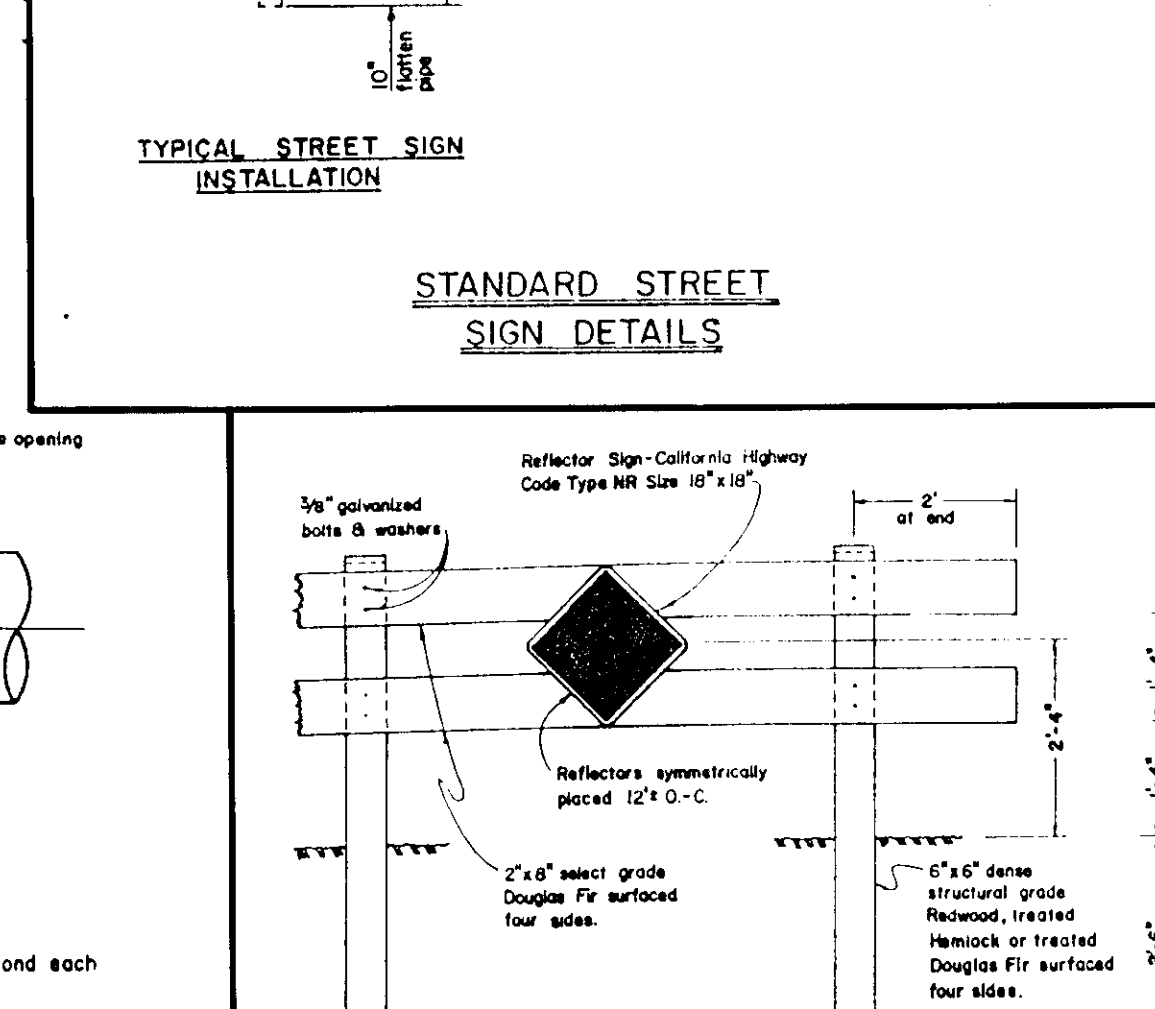
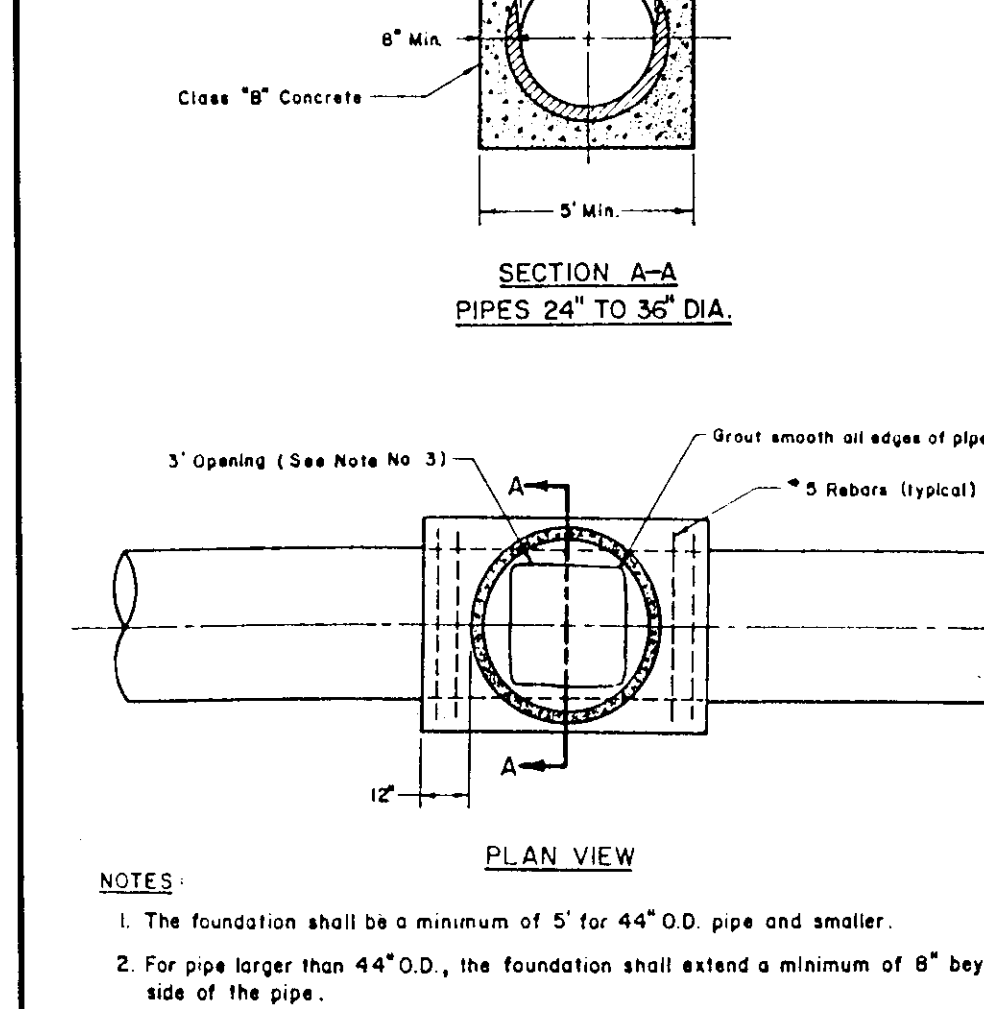
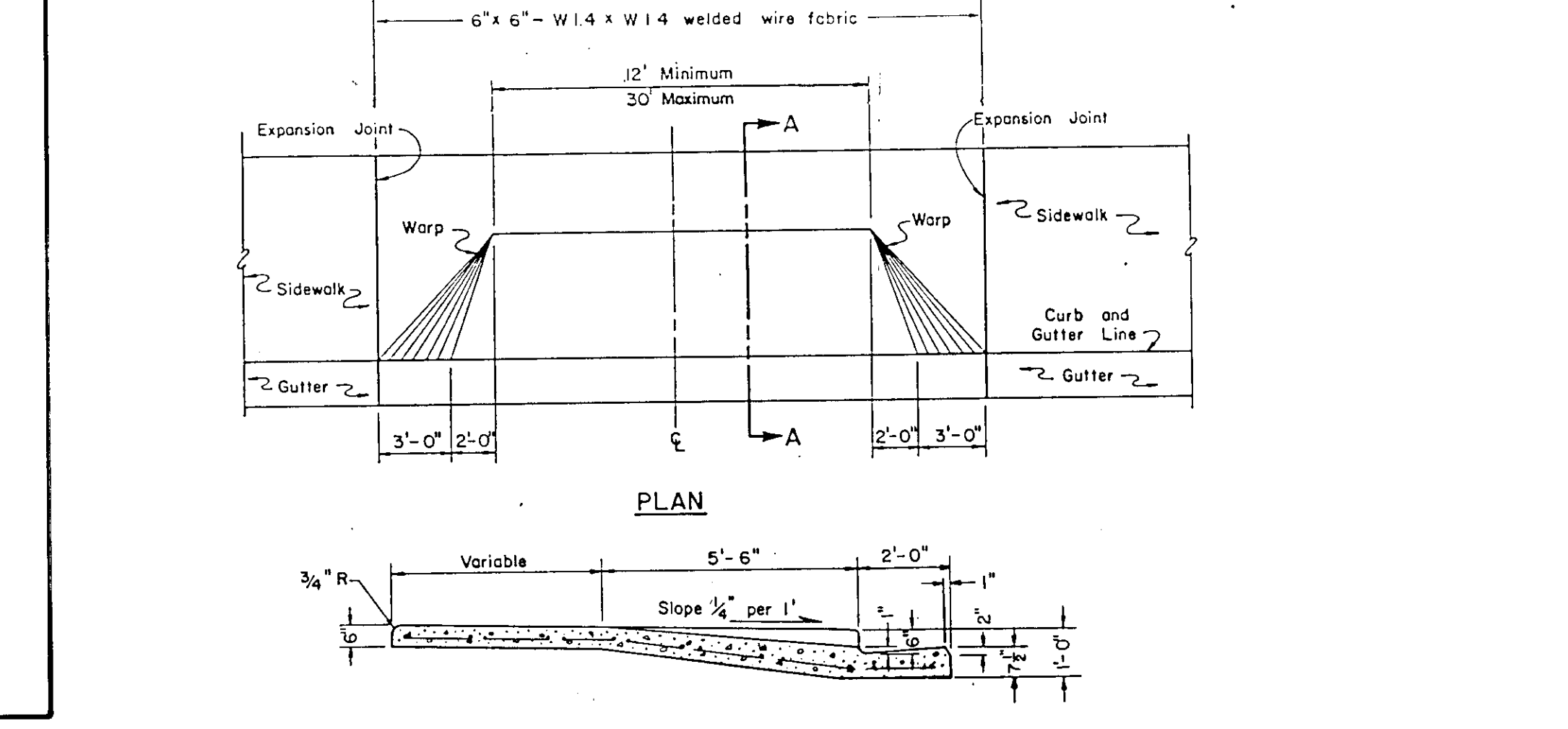
CALIFORNIA

SHEET
3-B
36 SHEETS
JOB NO.
07-89-04

SV-22211



PAVEMENT DESIGN CHART				
STREET NAME	TRAFFIC INDEX	SOIL R-VALUE	A.C. (IN) THICKNESS	A.B. THICKNESS
LATHROP RD.	8.0	67	.46	NATIVE
WOODFIELD DR.	6.0	67	.29	NATIVE
LONG BARN DR.	5.0	67	.25	NATIVE
CEDAR VALLEY DR.	5.0	67	.25	NATIVE
SCHILLING AVE.	4.0	67	.20	NATIVE
OAKMONT ST.	4.0	67	.20	NATIVE
AGUSTA DR.	4.0	67	.20	NATIVE
OAK HILLS ST.	4.0	67	.20	NATIVE
CHERRY HILLS CT.	4.0	67	.20	NATIVE
PRAIRIE DUNES ST.	4.0	67	.20	NATIVE
PRINCEVILLE ST.	4.0	67	.20	NATIVE
STONERIDGE CT.	4.0	67	.20	NATIVE
PINE VALLEY DR.	4.0	67	.20	NATIVE
SILVER CREEK DR.	4.0	67	.20	NATIVE



DATE	JULY 1989
SCALE	
DRAWN BY	SS, MTC
CHECKED BY	
PROJ. MGR.	PRC
PROJ. ENGR.	DN
NO.	
BY	
DATE	
REVISIONS	

RECORD DRAWING

NOLTE and ASSOCIATES
Engineers / Planners / Surveyors

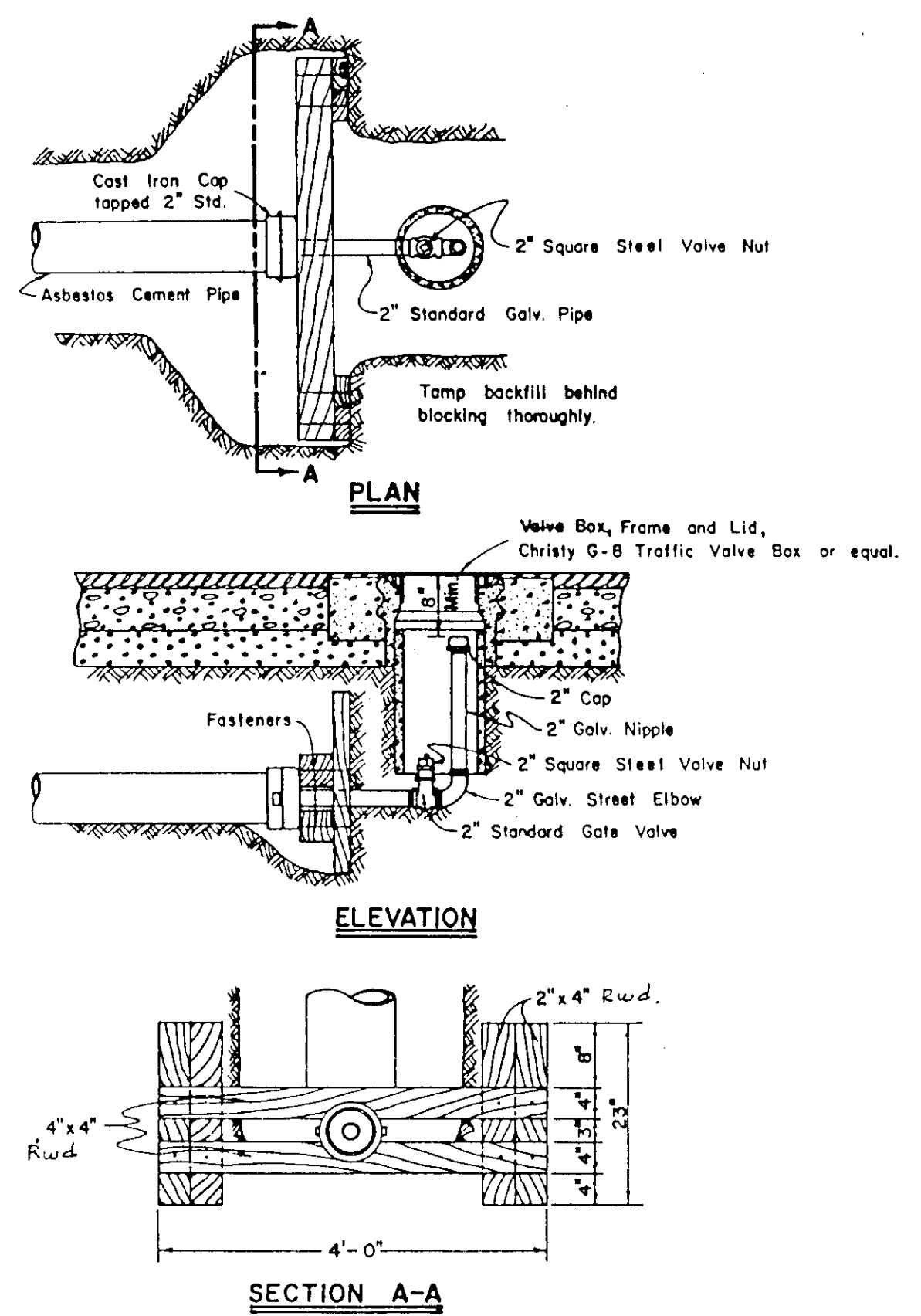
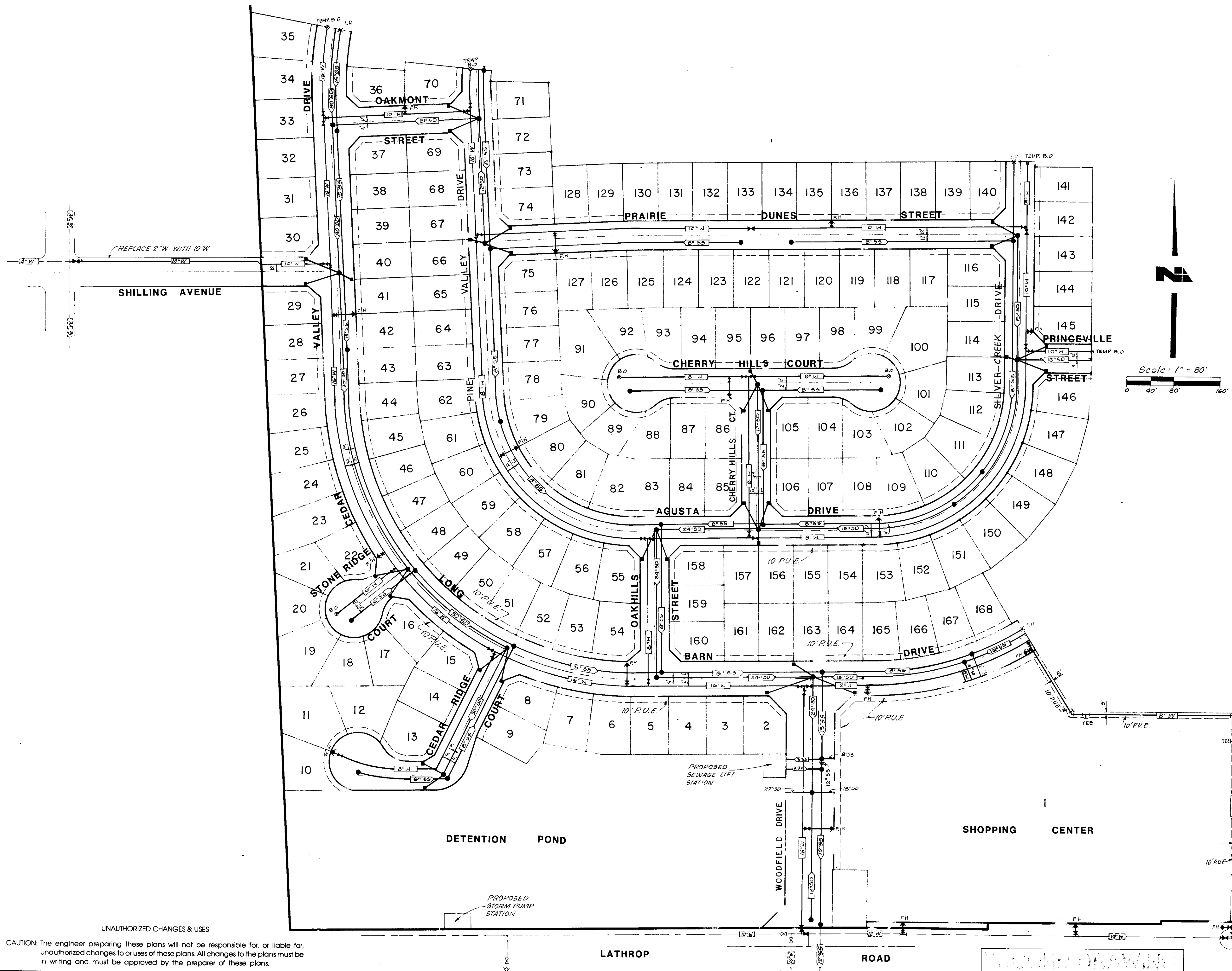
37 DENVER, CO 37 ORANGE COUNTY 37 SACRAMENTO 37 SAN DIEGO 37 SAN JOSE 37 WALNUT CREEK

TRACT NO. 2051
VALLEY HAVEN UNIT NO. 1
DETAIL SHEET

LATHROP

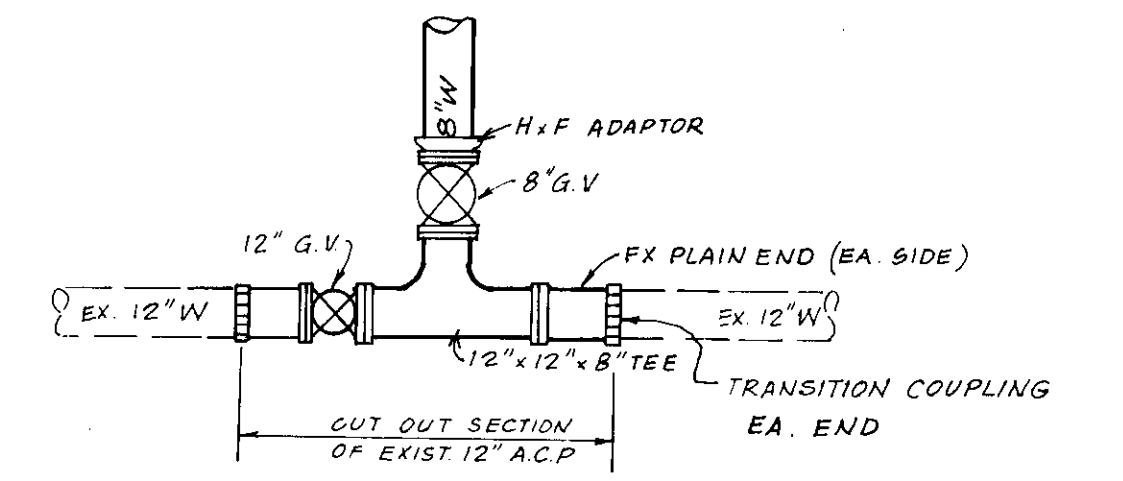
CALIFORNIA

SHEET 3 A
OF 36 SHEETS
JOB NO. 2707-89-04



TEMPORARY BLOWOFF

N.T.S.



CONNECTION DETAIL ON LATHROP RD

N.T.S.

NOTE: SIMILAR CONNECTION DETAIL FOR FIRE HYDRANTS ON LATHROP RD. WITHOUT 12" GATE VALVE.

NOTE: 16" Water Main shall conform to AWWA C-905, PVC Transmission pipe, DR18, with CI outside diameter. Joints shall have a "O" ring elastomeric gasket seal meeting the requirements of ASTM D-1869 and F-477. FITTING shall be Cast Iron.

UNAUTHORIZED CHANGES & USES
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DATE: JULY 1989
SCALE: AS SHOWN
DRAWN BY: NTC
CHECKED BY:
PROJ. MGR.: PCO
PROJ. ENGR.: CN

NO.	BY	DATE	REVISIONS
1			1-9-91 RECORD DRAWING

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TRACT No. 2051
VALLEY HAVEN UNIT No. 1.
STORM, WATER & SANITARY MASTER PLAN

SHEET
2
OF 36 SHEETS
JOB NO.
2707-89-04

CALIFORNIA

SV-2218

VALLEY HAVEN

UNIT NO. 1

SHEET INDEX

STREET IMPROVEMENT PLAN

1. COVER SHEET
- 1B. SHEET INDEX
2. STORM, WATER & SANITARY MASTER PLAN
- 3A. DETAIL SHEET
- 3B. DETAIL SHEET
4. LATHROP ROAD (STA. 00+00 TO STA. 8+98.02)
5. LATHROP ROAD (STA. 8+98.02 TO STA. 16+38.03)
PRINCEVILLE STREET
6. WOODFIELD DRIVE, OAK HILLS STREET
7. CEDAR VALLEY DRIVE
8. LONG BARN DRIVE (STA. 10+00 TO STA. 17+60.24)
9. STONE RIDGE COURT, CEDAR RIDGE COURT
10. PINE VALLEY DRIVE (STA. 15+54.59 TO STA. 21+51.19)
OAKMONT STREET
11. PINE VALLEY DRIVE (STA. 13+93.68 TO STA. 15+54.59)
AGUSTA DRIVE (STA. 7+95.22 TO STA. 13+93.68)
12. SILVER CREEK DRIVE (STA. 0+17.49 TO STA. 6+03.02)
AGUSTA DRIVE (STA. 6+03.02 TO STA. 7+95.72)
13. PRAIRIE DUNES STREET
14. CHERRY HILLS COURT
15. LONG BARN DRIVE (STA. 6+13.37 TO STA. 10+00)
SHILLING AVENUE
16. 5th STREET
- 17A. SIGNING & STRIPING
- 17B. STRIPING, SIGNING & MARKING PLAN
(WOODFIELD DR.)
18. TRAFFIC SIGNAL INSTALLATION
19. LANDSCAPING PLAN

GRADING PLAN

20. TITLE SHEET
21. LATHROP ROAD, CEDAR RIDGE COURT, LONG BARN DRIVE, OAK HILLS STREET, WOODFIELD DRIVE
22. CEDAR VALLEY DRIVE, LONG BARN DRIVE, PINE VALLEY DRIVE, PRAIRIE DUNES STREET, OAKMONT SHILLING AVENUE, STONE RIDGE COURT
23. AGUSTA DRIVE, CHERRY HILLS COURT, OAK HILLS STREET, PRAIRIE DUNES STREET, PRINCEVILLE STREET, SILVER CREEK DRIVE
24. LATHROP ROAD, LONG BARN DRIVE, WOODFIELD DRIVE, SHOPPING CENTER

STORM CONTROL FACILITY

25. COVER SHEET
26. STORMWATER DETENTION BASIN
27. PUMP STATION
28. DETAILS
29. PUMP STATION ELECTRICAL SITE PLAN
30. PUMP STATION ELECTRICAL DETAILS
31. PUMP STATION CONTROL SCHEMATIC

SEWAGE LIFT STATION

32. COVER SHEET
33. SITE PLAN
34. PLAN & DETAILS
35. ELECTRICAL SITE PLAN
36. ELECTRICAL PLAN & DETAIL

UNAUTHORIZED CHANGES & USES

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DATE: SEPT 1989
SCALE: NONE
DRAWN BY: MTG
CHECKED BY: PRC
PROJ. MGR: PRC
PROJ. ENGR: DN

△			
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△	MTG	1-9-91	RECORD DRAWING
△			
△			
NO	BY	DATE	REVISIONS



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■ MANTECA
(209) 239-9080

□ SACRAMENTO
(916) 446-5020

□ ROSEVILLE
(916) 784-3313

LATHROP

TRACT No. 2051
VALLEY HAVEN UNIT No. 1
INDEX SHEET

SHEET

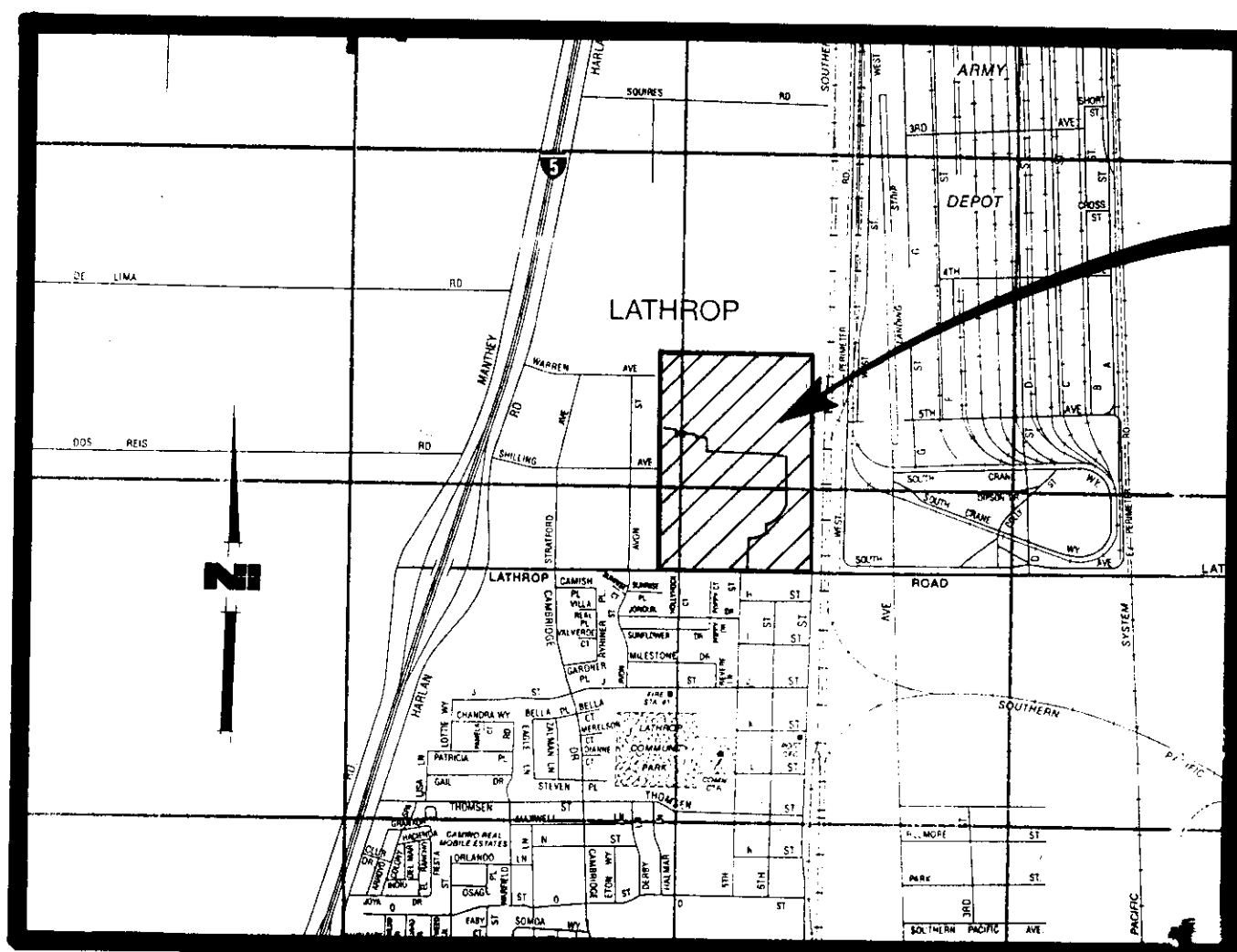
1-B

OF **36** SHEETS
JOB NO.

CALIFORNIA 2707-89-04

SERVICES:
1) ELECTRICAL AND GAS
2) TELEPHONE
3) CABLE
4) WATER AND SANITARY SEWER
5) STORM DRAINAGE

PROVIDED BY:
P. G. E.
CONTEL
CONTINENTAL CABLE COMPANY
LATHROP COUNTY WATER DISTRICT
CITY OF LATHROP



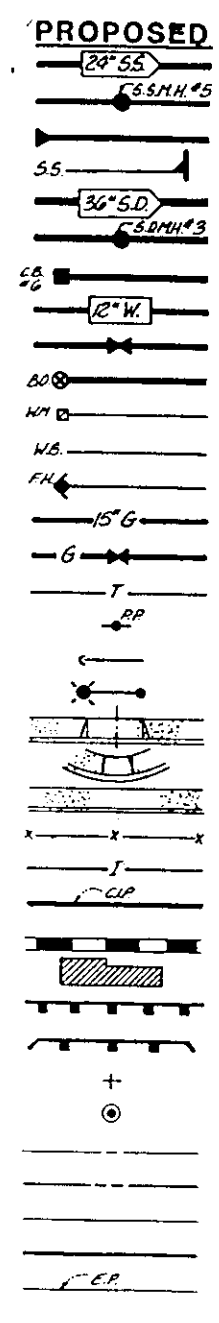
VICINITY MAP

N.T.S.

- BENCHMARK -

74-33, EL 1579 BRASS CAP 820' WEST OF
514 ST., 30' NORTH OF LATHROP ROAD (U.S.G.S.)

- LEGEND -



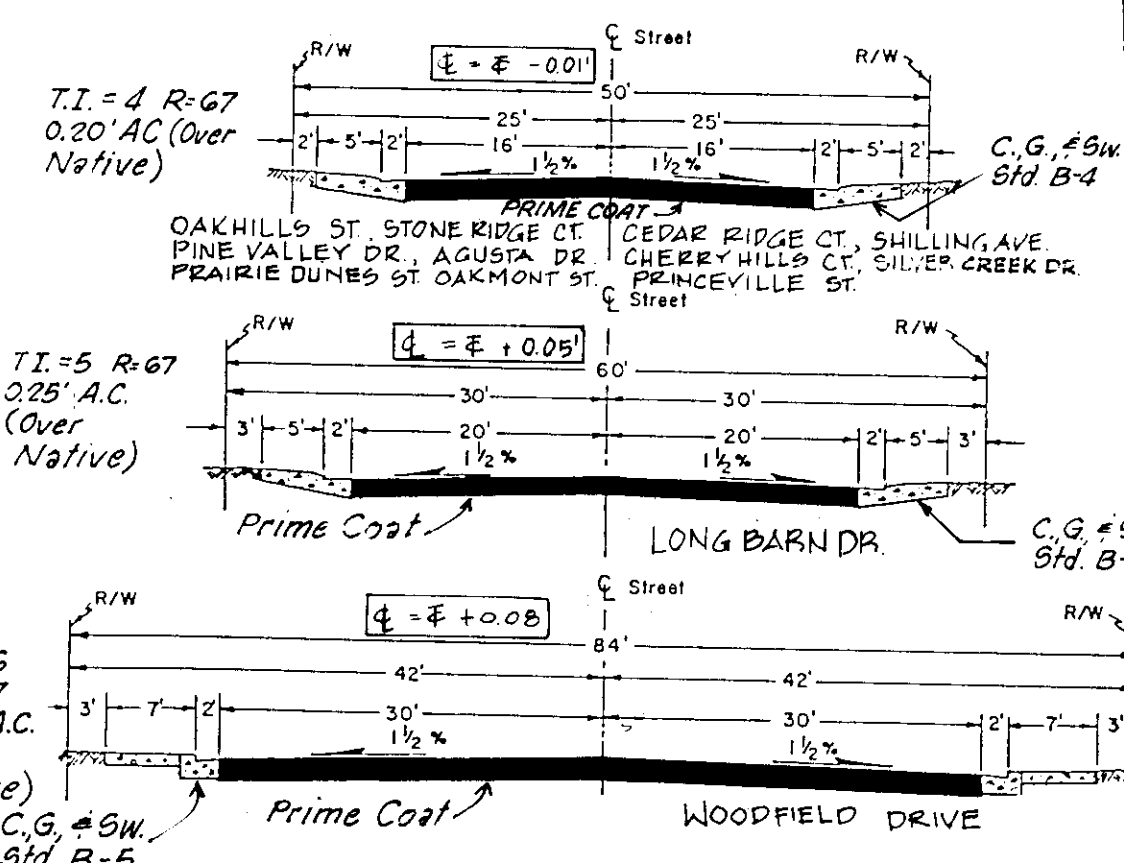
PROPOSED
SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SANITARY LAMPHOLE
SANITARY SEWER LATERAL
STORM DRAIN LINE
STORM DRAIN MANHOLE
CURB INLET OR CATCH BASIN
WATER LINE
WATER VALVE
WATER BLOW OFF
WATER METER
FIRE SERVICE
FIRE HYDRANT
GAS LINE
GAS VALVE
TELEPHONE CABLE
UTILITY POLE
GUY WIRE
ELECTROLIER
DRIVEWAY
HANDICAP RAMP
CURB, GUTTER & SIDEWALK
FENCE
IRRIGATION LINE
CAST IRON PIPE
RAILROAD TRACKS
BUILDING
BARRICADE
GUARD RAIL
STREET NAME SIGN
SURVEY MONUMENT
CENTER LINE
RIGHT OF WAY LINE
PROPERTY LINE
LIMIT OF WORK LINE
EDGE OF PAVEMENT
EASEMENT LINE

EXISTING
SANITARY SEWER LINE
SANITARY SEWER MANHOLE
SANITARY LAMPHOLE
SANITARY SEWER LATERAL
STORM DRAIN LINE
STORM DRAIN MANHOLE
CURB INLET OR CATCH BASIN
WATER LINE
WATER VALVE
WATER BLOW OFF
WATER METER
FIRE SERVICE
FIRE HYDRANT
GAS LINE
GAS VALVE
TELEPHONE CABLE
UTILITY POLE
GUY WIRE
ELECTROLIER
DRIVEWAY
HANDICAP RAMP
CURB, GUTTER & SIDEWALK
FENCE
IRRIGATION LINE
CAST IRON PIPE
RAILROAD TRACKS
BUILDING
BARRICADE
GUARD RAIL
STREET NAME SIGN
SURVEY MONUMENT
CENTER LINE
RIGHT OF WAY LINE
PROPERTY LINE
LIMIT OF WORK LINE
EDGE OF PAVEMENT
EASEMENT LINE

UNAUTHORIZED CHANGES & USES

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STREET T SECTION



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Engineers / Planners / Surveyors

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TRACT No. 2051
VALLEY HAVEN UNIT 1
TITLE SHEET

SHEET
1
OF 36 SHEETS
JOB NO.
2707-89-04

IMPROVEMENT PLANS
FOR
VALLEY HAVEN
UNIT NO. 1
TRACT NO. 2051
LATHROP SAN JOAQUIN COUNTY
CALIFORNIA

- GENERAL NOTES -

- 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 HARMLESS, THE COUNTY OF SAN JOAQUIN, ITS ELECTED OFFICIALS, OFFICERS, EMPLOYEES, AND AGENTS FROM ANY AND ALL CLAIMS, COSTS OF LITIGATION, DAMAGES, AND ATTORNEY'S FEES, FOR PERSONAL INJURY OR PROPERTY DAMAGE OF WHATEVER NATURE WHICH ARE CLAIMED TO HAVE OCCURRED DURING THE TERM OF THIS PROJECT.
- UNLESS OTHERWISE STATED, ALL STATIONS INDICATED ON THE IMPROVEMENT PLANS ARE IN REFERENCE TO THE CENTERLINE OF THE STREET. ALL STATIONS ON THE CURBS ARE PERPENDICULAR TO OR RADIALLY OPPOSITE CENTERLINE STATIONS UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT WRITTEN AUTHORIZATION FROM THE COUNTY ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY.
- INSTALLATION OF WATER LINES (MIN. COVER 30-INCH) SHALL COMMENCE ONLY AFTER ALL SANITARY AND STORM SEWER TRENCHES HAVE BEEN PROPERLY BACKFILLED AND COMPACTED AND CURBS HAVE BEEN STAKED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY MARKING THE INSTALLED LOCATION OF ALL SANITARY AND WATER SERVICES AT THE TIME OF INSTALLATION. CONTRACTOR SHALL REMOVE ALL EXISTING BEAMS, STRUCTURES AND BARRICADES, PAVING AND/OR OIL SCREENING WITHIN SPECIFIC AREAS INDICATED TO BE IMPROVED. SEE NOTE 36.
- ALL WORK SHALL CONFORM TO THE SAN JOAQUIN COUNTY AND LATHROP COUNTY WATER DISTRICT SPECIFICATIONS AND PLANS (LATEST REVISION). THE IMPROVEMENTS ARE SUBJECT TO THE INSPECTION AND APPROVAL OF THE SAN JOAQUIN COUNTY PUBLIC WORKS DEPARTMENT AND LATHROP COUNTY WATER DISTRICT. CONTACT THE COUNTY PUBLIC WORKS CONSTRUCTION MANAGEMENT AT 468-3014 OR LATHROP COUNTY WATER DISTRICT AT 858-2357 TWO WORKING DAYS (48 HOURS) PRIOR TO THE START OF ANY WORK TO ARRANGE FOR INSPECTION.
- POLE, TELEPHONE AND CABLE TV UNDERGROUNDING SHALL BE COMPLETED PRIOR TO CONSTRUCTION OF CURB, GUTTER, SIDEWALK AND PAVING. WHEN CONSTRUCTION OCCURS NEAR THE RAINY SEASON, INSTALLATION OF UTILITY CROSSINGS WILL EXPEDITE THE PROJECT SO THAT PAVING AND CURB AND GUTTER CAN BE INSTALLED BEFORE RAINS BEGIN.
- THE LATHROP COUNTY WATER DISTRICT OR ASSOCIATED UTILITY COMPANY AND RESIDENCES TO BE AFFECTED SHALL BE NOTIFIED IMMEDIATELY UPON ANY UTILITY SERVICE DISRUPTION A 24 HOUR NOTICE FOR ANY PLANNED DISRUPTION.
- CONTRACTOR SHALL CONTROL DUST AT ALL TIMES DURING CONSTRUCTION AS REQUIRED BY THE SAN JOAQUIN COUNTY PUBLIC WORKS DEPARTMENT.
- AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS PRIOR TO COMMENCEMENT OF WORK.
- STORM DRAIN AND SANITARY SEWER SHALL BE INSTALLED IN AN UPSTREAM DIRECTION FROM POINTS OF CONNECTION WITH EXISTING FACILITIES.
- REFER TO THE FINAL MAP OF THIS TRACT FOR ALL CENTERLINE AND PROPERTY LINE DATA.
- ALL CONSTRUCTION STAKING FOR CURB, GUTTER, AND SIDEWALK, SANITARY SEWERS, STORM DRAINS, AND WATER LINES, FIRE HYDRANTS, ELECTROLIER, ETC. SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
- THE EXISTING 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 PUBLIC WORKS DEPARTMENT HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE WARRANTY AS TO THE EXISTENCE OF ANY UTILITIES OR STRUCTURES NOT SHOWN IN AVAILABLE RECORDS OR ON THESE PLANS.
- HOUSE SERVICES, FIRE HYDRANT LATERALS, STREET LIGHT CONDUIT, GAS AND TELEPHONE LINES, AND ALL OTHER UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO CURB, GUTTER, AND SIDEWALK CONSTRUCTION AND STREET PAVING.
- SURVEY MONUMENTS SHALL BE FURNISHED AND INSTALLED BY CONTRACTOR AT LOCATIONS SHOWN.
- ALL LINES ABANDONED DURING CONSTRUCTION SHALL BE REMOVED.
- ALL SANITARY SEWER MAINS SHALL BE TELEVISION INSPECTED (TAPES SHALL BE GIVEN TO THE LATHROP COUNTY WATER DISTRICT). FLUSHED WITH AN APPROVED SEWER BALL, AND PASS AN AIR TEST IN CONFORMANCE WITH LATHROP COUNTY WATER DISTRICT STANDARD SPECIFICATIONS PRIOR TO ACCEPTANCE BY THE LATHROP COUNTY WATER DISTRICT. ALL TESTING SHALL BE PERFORMED AFTER THE COMPACTION FOR THE STREET BASE ROCK AND PRIOR TO PAVING.
- ALL WATER LINES SHALL BE PRESSURE TESTED, DISINFECTED, FLUSHED, AND TESTED FOR CONFORMANCE WITH THE LATHROP COUNTY WATER DISTRICT SPECIFICATIONS PRIOR TO FINAL ACCEPTANCE BY THE LATHROP COUNTY WATER DISTRICT.
- TESTING:
 - ALL INDEPENDENT LABORATORY INSPECTION CALLED FOR BY THE COUNTY ENGINEER WILL BE PAID FOR BY THE DEVELOPER OR CONTRACTOR.
 - MATERIALS TESTING AND SAMPLING SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
 - A MINIMUM OF 48 HOURS NOTICE IS REQUIRED TO SCHEDULE ALL SOIL TESTING SERVICES THROUGH THE COUNTY.
- STREET SIGNS SHALL BE INSTALLED AT ALL INTERSECTIONS PER COUNTY SPECIFICATIONS.
- TRAFFIC SIGNS SHALL BE INSTALLED AT LOCATIONS SPECIFIED BY COUNTY ENGINEER.
- STREET STRIPING SHALL INCLUDE STOP BARS, CENTERLINE STRIPING OR MARKERS, CROSSWALKS AND ALL OTHER MARKINGS REQUIRED BY THE COUNTY ENGINEER. STRIPING SHALL BE DONE WITH THERMOPLASTIC AND REFLECTIVE MARKERS.
- ALL TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH LATHROP COUNTY WATER DISTRICT AND SAN JOAQUIN COUNTY PUBLIC WORKS DEPARTMENT STANDARDS. CONSTRUCTION SHALL BE ACHIEVED BY MECHANICAL MEANS. NO FLOODING, PONDING, OR JETTING SHALL BE PERMITTED.
- THESE PLANS HAVE BEEN THOROUGHLY CHECKED BY THE LATHROP COUNTY WATER DISTRICT AND SAN JOAQUIN COUNTY PUBLIC WORKS DEPARTMENT AND ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE DEVELOPER FROM HIS RESPONSIBILITY TO CORRECTING ERRORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION.
- CONTRACTOR SHALL NOTIFY PROJECT ENGINEER AT LEAST 48 HOURS IN ADVANCE OF STAKING REQUESTS FOR ANY PHASE OF WORK.
- UPON COMPLETION OF STAKING FOR DRIVEWAYS, SEWER SERVICE, WATER SERVICES, OR FIRE HYDRANTS, CONTRACTOR SHALL REVIEW LOCATIONS WITH REPRESENTATIVE OF ENGINEER, AFTER WHICH CONTRACTOR ASSUMES SOLE RESPONSIBILITY OF THE LOCATION OF THE ITEM AS CONSTRUCTED.
- EXISTING CURB AND SIDEWALK WITHIN THE PROJECT LIMITS THAT ARE DAMAGED OR DISPLACED, EVEN THOUGH THEY WERE NOT TO BE REMOVED, SHALL BE REPAIRED OR REPLACED PER COUNTY STANDARD PLANS EVEN IF DAMAGE OR DISPLACEMENT OCCURRED PRIOR TO ANY WORK PERFORMED BY THE CONTRACTOR.
- AT STREET MONUMENTS, LOT CORNERS, AND OTHER PERMANENT PIPE OR MONUMENTS DISTURBED DURING THE PROCESS OF CONSTRUCTION SHALL BE REPLACED BEFORE ACCEPTANCE OF IMPROVEMENTS BY SAN JOAQUIN COUNTY.
- PRIOR TO TRENCHING FOR ANY SEWER, WATER, OR STORM DRAIN PIPE, THE CONTRACTOR SHALL VERIFY, IN THE FIELD, THE SIZE AND LOCATION OF THE EXISTING PIPE AT THE POINT OF CONNECTION. ANY DEVIATION FROM THE PLANS SHALL BE RESOLVED BY THE DESIGN ENGINEER PRIOR TO TRENCHING.
- MANHOLES, VALVES, CLEANOUTS, ETC. SHALL BE BROUGHT TO FINISH GRADE BY THE UNDERGROUND CONTRACTOR AFTER THE FINAL PAVING COURSE IS PLACED.
- ANY CHANGES ON THE IMPROVEMENT PLANS AND SPECIFICATIONS MUST BE PREPARED AND CERTIFIED BY THE "CIVIL ENGINEER" AND SHALL BE SUBMITTED TO THE DIRECTOR OF PUBLIC WORKS FOR APPROVAL PRIOR TO IMPLEMENTATION.
- ALL TRAFFIC SIGNS AND MARKINGS SHALL CONFORM WITH SAN JOAQUIN COUNTY STANDARDS AND "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (M.U.T.C.D.).
- CONTRACTOR TO STAMP THE LETTER "S" OR "H" DIRECTLY ABOVE THE SEWER AND WATER LATERAL LOCATIONS AT THE BACK OF SIDEWALK.
- THE CALIFORNIA DIVISION OF OCCUPATION SAFETY AND HEALTH ENFORCES THE REQUIREMENT THAT BUILDING AND CONSTRUCTION CONTRACTORS OBTAIN A PERMIT PRIOR TO COMMENCING CERTAIN TYPES OF HAZARDOUS ACTIVITY, AS SPECIFIED IN SECTION 6500 OF THE STATE LABOR CODE AND SECTION 341 OF TITLE 8 OF THE CALIFORNIA CODE OF REGULATIONS. THESE ACTIVITIES INCLUDE CONSTRUCTION OF TRENCHES OR EXCAVATIONS WHICH ARE FIVE FEET OR DEEPER AND INTO WHICH A PERSON IS REQUIRED TO DESCEND; THE CONSTRUCTION OR DEMOLITION OF ANY BUILDING, STRUCTURE, OR SCAFFOLDING MORE THAN THREE STORIES HIGH OR OF THE EQUIVALENT HEIGHT; AND THE UNDERGROUND PERMITS ARE ISSUED BY DISTRICT OFFICES OF THE DIVISION. THE SACRAMENTO OFFICE IS LOCATED AT:
STATE OF CALIFORNIA
INDUSTRIAL RELATIONS DEPARTMENT
DIVISION OF OCCUPATIONAL SAFETY AND HEALTH
2422 JORDEN WAY, 4B-55
SACRAMENTO, CA 95825
(916) 920-6123
- 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 AND 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.

APPROVED BY THE FIRE CHIEF MANTECA-LATHROP RURAL FIRE DISTRICT

BY: *[Signature]* DATE: 6/16/89

APPROVED BY THE CITY OF LATHROP - CITY ENGINEER

BY: *[Signature]* MANUEL LOPEZ, R.C.E. NO. 28034 DATE: 11/4/89

APPROVED BY THE SAN JOAQUIN COUNTY LOCAL HEALTH DISTRICT

BY: *[Signature]* DATE:

APPROVED BY THE LATHROP COUNTY WATER DISTRICT

BY: *[Signature]* DATE: 10/18/89

APPROVED BY THE SAN JOAQUIN COUNTY FIRE WARDEN

BY: *[Signature]* DATE: 9-26-89

RECORD DRAWING

LONG BARN DRIVE

4" SOLID YELLOW LINE (50LF)

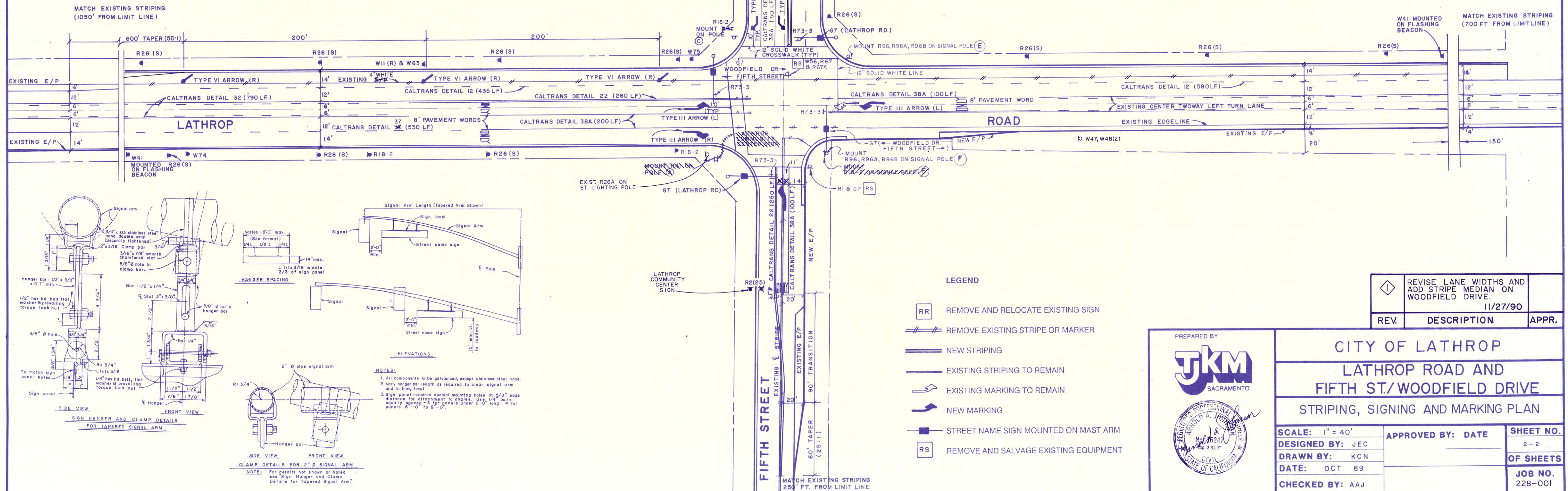
4" SOLID YELLOW LINE (50LF)

GENERAL NOTES

- PAVEMENT LEGENDS SHALL BE INSTALLED WITH PAINT. ALL PAINT SHALL BE TWO COATS OF RAPID-DRY WATER-BORN PAINT, PER CALTRANS STANDARDS.
- STOP LIMIT LINES AND CROSSWALKS SHALL BE INSTALLED WITH PAINT. STOP LIMIT LINES AND CROSSWALKS SHALL BE 12" IN WIDTH.
- ALL STRIPING AND SIGNING SHALL CONFORM TO THE LATEST EDITION OF THE CALTRANS TRAFFIC MANUAL.
- THE CONTRACTOR SHALL REMOVE ANY EXISTING STRIPING, PAVEMENT MARKERS, OR LEGENDS WHICH ARE IN CONFLICT WITH THE PROPOSED WORK PRIOR TO THE INSTALLATION OF THE PROPOSED WORK.
- THE CONTRACTOR SHALL LAYOUT AND CAT TRACK THE PROPOSED WORK A MINIMUM OF ONE DAY PRIOR TO ITS INSTALLATION FOR THE COUNTY TO REVIEW AND APPROVE THE LAYOUT. THE CONTRACTOR SHALL GIVE THE COUNTY 24 HOURS NOTICE FOR THE REVIEW OF THE LAYOUT.
- THE PROPOSED STRIPING AND MARKING SHALL BE INSTALLED THE SAME DAY AS THE REMOVAL OF CONFLICTING STRIPING MARKINGS.
- ALL PAVEMENT MARKINGS AND DIRECTIONAL ARROWS SHALL BE INSTALLED PER THE LATEST CALTRANS STANDARD PLANS.
- AT THE TIME OF ACCEPTANCE OF IMPROVEMENTS, RESOLUTION SHOULD INCLUDE DECLARATION OF NO PARKING ZONES ON WOODFIELD DRIVE AND LATHROP ROAD.

AS-BUILT

PREPARED BY: TJKM
DATE: 12/7/90



REV.	DESCRIPTION	APPR.
1	REVISE LANE WIDTHS AND ADD STRIPE MEDIAN ON WOODFIELD DRIVE. 11/27/90	

PREPARED BY
TJKM
SACRAMENTO



CITY OF LATHROP LATHROP ROAD AND FIFTH ST./WOODFIELD DRIVE STRIPING, SIGNING AND MARKING PLAN

SCALE: 1" = 40'	APPROVED BY: DATE	SHEET NO. 2-2
DESIGNED BY: JEC		OF SHEETS
DRAWN BY: KCN		JOB NO. 228-001
DATE: OCT. 89		
CHECKED BY: AAJ		