

IMPROVEMENT PLANS FOR TRACT NO. 2003-110 TRES LAGOS

BEING A PORTION OF
SECTION 15, T.4N., R.9E.,
M.D.B.&M.,
CALAVERAS COUNTY, CALIFORNIA

NOVEMBER, 2006

REFER TO MAJOR SUBDIVISION APPLICATION NO 2003-110

UTILITY/DISTRICTS

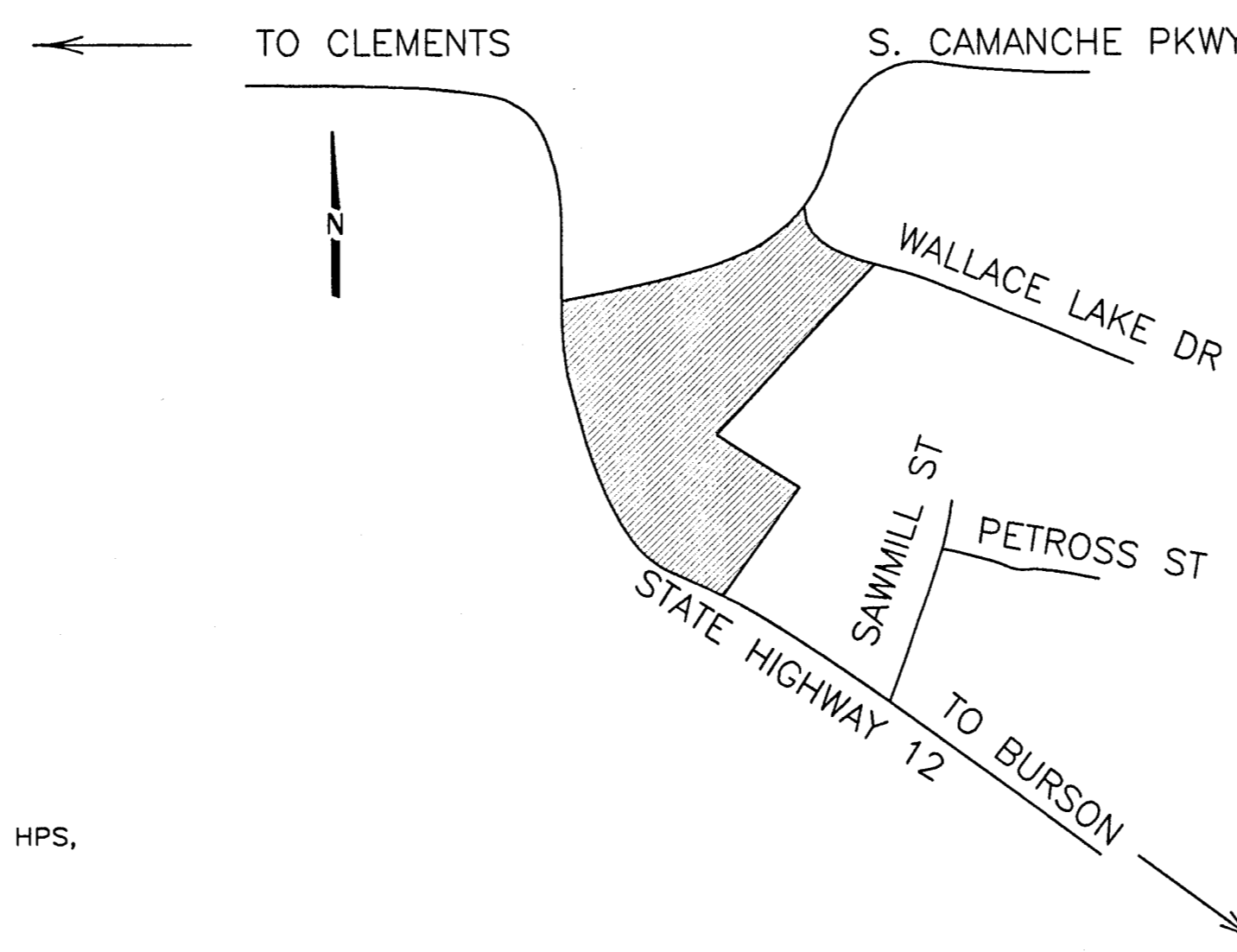
TELEPHONE:	AT&T TELEPHONE COMPANY
ELECTRICITY:	PACIFIC GAS & ELECTRIC COMPANY
SANITARY DISTRICT:	WALLACE COMMUNITY SERVICE DISTRICT
DOMESTIC WATER:	WALLACE COMMUNITY SERVICE DISTRICT
STORM DRAINAGE:	NATURAL
STREET LIGHTING:	PACIFIC GAS & ELECTRIC COMPANY
NATURAL GAS:	CAMPORA GAS

ABBREVIATIONS

AC.	ASPHALT CONCRETE	LF	LINEAR FEET
BC	BEGINNING OF CURVE	L.P.	LOW POINT
BCR	BEGINNING OF CURB RETURN	MH	MANHOLE
CB	CATCH BASIN	PCC	POINT OF COMPOUND CURVE
CL	CENTERLINE	PRC	POINT OF REVERSE CURVE
DIP	DUCTILE IRON PIPE	PL	PROPERTY LINE
EC	END OF CURVE	P.U.E.	PUBLIC UTILITY EASEMENT
ECR	END OF CURB RETURN	PVC	POLYVINYL CHLORIDE
EP	EDGE OF PAVEMENT	P.S.D.E.	PRIVATE STORM DRAINAGE EASEMENT
FOC OR FC	FACE OF CURB	RCP	REINFORCED CONCRETE PIPE
FG	FINISH GRADE	SD	STORM DRAIN
FL	FLOWLINE	SS	SANITARY SEWER
GB	GRADE BREAK	TB	TOP OF BERM
GV	GATE VALVE	TC	TOP OF CURB
HGL	HYDRAULIC GRADE LINE	W	WATER
H.P.	HIGH POINT	H.D.P.E.	HIGH DENSITY POLYETHYLENE
INV.	INVERT	SDR	STANDARD DIMENSIONAL RATIO

LEGEND

	EXISTING FIRE HYDRANT		PROPOSED FIRE HYDRANT
	EXISTING ELECTROLLER		PROPOSED ELECTROLLER 100 W. HPS, UNLESS OTHERWISE NOTED.
	EXISTING POWER POLE		PROPOSED POWER POLE.
	EXISTING STORM DRAIN		PROPOSED STORM DRAIN - H.D.P.E.
	EXISTING SANITARY SEWER		PROPOSED SANITARY SEWER - PVC SDR 35
	EXISTING WATER		PROPOSED WATER - PVC C900 CLASS 150
	EXISTING GRADE		DESIGN GRADE
	EXISTING WATER VALVE		PROPOSED WATER VALVE
	EXISTING CONTOUR LINE		



VICINITY MAP
NOT TO SCALE

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STRUCTURAL	
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BEFORE YOU DIG

CALL USA UNDERGROUND SERVICE ALERT
48 HOURS PRIOR TO CONSTRUCTION. CALL
TOLL FREE 1-800-227-2600

KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND
PEOPLE 10 FEET FROM POWER LINES. IF YOU
MUST WORK WITHIN 10 FEET OF POWER LINES
PLEASE CALL PG&E @ 800-743-5000

BY: _____	DATE: _____
APPROVED: _____	DATE: _____
SENIOR CIVIL ENGINEER	
RCE NO. _____	EXP. DATE _____

BY: _____	DATE: _____
WALLACE COMMUNITY SERVICE DISTRICT DEPARTMENT OF PUBLIC WORKS	
_____	DATE: _____

WDID # _____

DILLON & MURPHY
CONSULTING CIVIL ENGINEERS
ENGINEERING • PLANNING • SURVEYING
1820 W. KETTLEMAN LANE, SUITE E, LODI, CALIFORNIA 95242 (209) 334-6613

**IMPROVEMENT PLANS FOR TRACT NO. 2003-110
TRES LAGOS**

TITLE SHEET

JUNE, 2007
CALAVERAS COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: D1106, EL: 176.47	SHEET
	DRAWN BY: RN, LM		DESIGNED BY: JM	DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	1
	CHECKED BY:		AS BUILT BY:		OF 22 SHEETS
					JOB NO. 0340

GENERAL NOTES AND SPECIFICATIONS

1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE LATEST EDITIONS OF THE SPECIFICATIONS, STANDARDS AND ORDINANCES OF WCD AND SHALL BE PART OF THESE IMPROVEMENT PLANS.
2. 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. NOTED DIMENSIONS TAKE PRECEDENCE OVER SCALE. ANY DISCREPANCY SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF DILLON & MURPHY, 1820 W. KETTLEMAN LANE, SUITE E, LODI, CA, (209) 334-6613.
3. CONTRACTORS SHALL BE RESPONSIBLE TO VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.
4. THE EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM AVAILABLE RECORDS. 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. PRIOR TO OPENING AN EXCAVATION, THE CONTRACTOR SHALL DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E., SEWER, WATER, STORM DRAINAGE, ELECTRICAL LINES, GAS LINES, CABLE TV LINES, ETC. WILL BE ENCOUNTERED AND, THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION. THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION.
5. CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS AND WALLACE COMMUNITY SERVICE DISTRICT(WCSD) SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 48 HOURS IN ADVANCE OF ANY OFF-SITE CONSTRUCTION.
6. DILLON & MURPHY SHALL PROVIDE ALL CONSTRUCTION STAKING. FIELD CHANGES MADE BY OTHERS SHALL BE DONE AT THEIR OWN RISK.
7. EACH CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION OF THE REMOVAL OR RELOCATION OF ANY AND ALL EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY. COST OF THIS COORDINATION IS TO BE INCLUDED IN THE PRICES BID FOR THE VARIOUS IMPROVEMENTS TO COMPLETE THE PROJECT.
8. CALAVERAS COUNTY BRASS DISC STAMPED "D1106" AT GOODMAN'S CORNER. ELEVATION = 176.47
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY AND CONSTRUCTION STAKES. SURVEY AND CONSTRUCTION STAKES THAT ARE LOST OR DESTROYED DUE TO THE CONTRACTOR'S NEGLIGENCE WILL BE RESET BY DILLON & MURPHY AT THE CONTRACTOR'S EXPENSE.
10. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. EACH CONTRACTOR SHALL NOTIFY U.S.A. 48 HOURS PRIOR TO ANY EXCAVATION(USA 1-800-227-2600).
11. CONTRACTOR AND SUBCONTRACTOR SHALL COOPERATE WITH THEMSELVES AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICES TO THE DEVELOPMENT.
12. ALL UNDERGROUND SERVICES SHALL BE INSTALLED IN CONFORMANCE WITH THE REQUIREMENTS OF THE WCD.
13. INTENTIONALLY LEFT BLANK
14. ANY FILL PLACED SHALL BE PROPERLY COMPACTED AS REQUIRED BY THE PLANS, THESE NOTES, AND THE SOILS REPORT.
 - A. EARTH FILL TO ESTABLISH FINISHED GRADE OUTSIDE THE PAVED AREAS AND BUILDINGS AREAS SHALL BE COMPACTED TO A MINIMUM RELATIVE COMPACTION OF 90% ON THE LOTS.
 - B. FILL SHALL BE NON-EXPANSIVE MATERIAL AND SHALL BE FREE OF VEGETATION OR DELETERIOUS MATTER. FILL SHALL BE COMPACTED TO A POINT SIX INCHES BELOW SUBGRADE.
15. CONTRACTOR'S BID SHALL INCLUDE THE COST OF ANY NECESSARY SOILS COMPACTION AND MATERIALS TESTING.
16. CONCRETE
 - A. GENERAL - ALL CONCRETE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ACI AND UBC CODES.
 - B. CONCRETE STRENGTH - UNLESS OTHERWISE NOTED ON THE PLANS, CONCRETE SHALL OBTAIN A MINIMUM OF DESIGN STRENGTH OF 2500 PSI.
 1. CEMENT - 5.5 SACKS MINIMUM PER YARD.
 2. WATER - MAXIMUM 7 GALS. PER SACK OF CEMENT.
 3. AGGREGATE - MAXIMUM SIZE 3/4".
 4. SLURRY - 5" MAXIMUM.
 5. CURING - KEEP WET MINIMUM OF 7 DAYS, OR APPLY MEMBRANE CURING COMPOUND APPROVED BY THE ENGINEER.
 6. VIBRATION - ALL CONCRETE SHALL BE VIBRATED INTO PLACE WITH A MECHANICAL VIBRATOR.
 7. FORM REMOVAL - SIDE FORMS OF FOUNDATIONS AND SLABS, MINIMUM OF 2 DAYS.
 8. TESTING IN ACCORDANCE WITH ACI-301-72, CHAPTER 16.
 - C. REINFORCING MATERIALS:
 1. DEFORMED BARS - ASTM A615, GR. 60.
 2. ELECTRIC WELDED WIRE FABRIC (WWF) ASTM A-185.
17. ASPHALT CONCRETE: ASPHALT CONCRETE SHALL BE TYPE B AND SHALL CONFORM TO THE PROVISIONS OF SECTION 39 OF THE CALTRANS STANDARD SPECIFICATIONS. THE PENETRATION RANGE OF PAVING ASPHALT SHALL BE AR-4000; AGGREGATE SHALL BE ONE-HALF (1/2") INCH MAXIMUM MEDIUM GRADING FOR SURFACING.

PRIME COAT SHALL BE A LIQUID ASPHALT GRADE SC-250 OR SC-70 AND SHALL BE APPLIED TO THE ENTIRE PAVED AREA AND THE COST SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ASPHALT CONCRETE. PRIME COAT SHALL BE PLACED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 39-4 OF THE CALTRANS STANDARD SPECIFICATIONS.

AGGREGATE BASE: AGGREGATE BASE SHALL BE CLASS TWO CONFORMING TO THE REQUIREMENTS OF SECTION 26-1.026A OF THE CALTRANS STANDARD SPECIFICATIONS. SPREADING AND COMPACTING AGGREGATE BASE SHALL CONFORM TO THE REQUIREMENTS OF SECTION 26-1.04 OF THE CALTRANS STANDARDS SPECIFICATION.
18. THE GRADING AND PAVING CONTRACTOR SHALL ADJUST TO FINISHED GRADE THE TOPS OF ALL PROPOSED AND EXISTING MANHOLES, VALVE BOXES AND WATER METER BOXES, ETC. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR STREET WORK.
19. THE DOMESTIC WATER LINE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS, WCD ADOPTED IMPROVEMENT STANDARDS, AWWA STANDARDS, AND UNIFORM BUILDING CODE. PIPE MATERIAL SHALL BE ALLOWED BY THE CODE AND WCD IMPROVEMENT STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE TYPE AND SPECIFICATIONS OF ALL MATERIAL, FITTINGS, ETC. CONFORM TO WCD STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR PRESSURE AND BACTERIA TESTING OF WATER LINES AS REQUIRED BY WCD. BACTERIA TESTS SHALL BE TAKEN BY A CERTIFIED LABORATORY TECHNICIAN.

REFER TO WCD FOR ALL WATER LINE TESTING REQUIREMENTS.
20. THE STORM DRAIN PIPELINE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS, AND CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS AND WCD ADOPTED IMPROVEMENT STANDARDS. PIPE MATERIAL SHALL BE THAT ALLOWED BY THE CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS IMPROVEMENT STANDARDS AND WCD OR AS SHOWN ON THE PLANS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE TYPE AND SPECIFICATIONS OF ALL MATERIALS, FITTINGS, ETC. CONFORM TO CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS AND WCD STANDARDS AND SPECIFICATIONS. MATERIAL SELECTION SHALL BE SUBMITTED TO THE CIVIL ENGINEER FOR REVIEW.
21. GRADING AND PAVING CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL ELECTRICAL, LANDSCAPE, IRRIGATION, AND UNDERGROUND UTILITY CONDUITS WITH APPROPRIATE SUB-CONTRACTORS AND UTILITY COMPANIES PRIOR TO CONSTRUCTION.
22. THE OFFICE OF DILLON & MURPHY, 1820 W. KETTLEMAN LANE, SUITE E, LODI, CA, SHALL BE NOTIFIED 72 HOURS (MINIMUM) IN ADVANCE OF ANY REQUIRED CONSTRUCTION SURVEYING.
23. CONTRACTOR'S AND SUB-CONTRACTORS BIDDING ON THIS PROPOSED PROJECT SHALL CAREFULLY EXAMINE THESE PLANS AND CAREFULLY REVIEW THE CONSTRUCTION SITE TO DETERMINE SPECIFICALLY WHAT IS REQUIRED TO BE ACCOMPLISHED IN HIS PORTION OF THE TOTAL WORK. IF ANY DOUBT EXISTS TO THE INTENT OF THE PLANS, SPECIFIC DETAILS, CONSTRUCTION NOTES, OR IF THE CONTRACTOR AND SUB-CONTRACTOR REQUIRES ADDITIONAL INFORMATION, IT MUST BE CLARIFIED WITH DILLON & MURPHY.
24. CONTRACTOR AND ANY SUB-CONTRACTOR USING PLANS WHICH ARE UNAPPROVED BY CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS AND WCD SHALL DO SO AT THEIR OWN RISKS. DILLON & MURPHY WILL NOT BE HELD RESPONSIBLE FOR USAGE OF SUCH PLANS FOR THE CONSTRUCTION OF THIS PROJECT.
25. DILLON & MURPHY SHALL NOT BE RESPONSIBLE FOR ANY SURVEYING OR FIELD CHANGES MADE BY ANY OTHER SURVEYING OR ENGINEERING FIRMS. ANY ERRORS OR OMISSIONS DETECTED SHALL BE MITGATED BY DILLON & MURPHY.
26. CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS AND/OR WCD WILL PERFORM FIELD INSPECTIONS FOR THIS PROJECT. ANY IMPROVEMENTS CONSTRUCTED TO THE SPECIFICATIONS AND WHICH IT IS INTENDED THAT WCD WILL ASSUME MAINTENANCE RESPONSIBILITY, MUST BE INSPECTED DURING CONSTRUCTION BY AN AUTHORIZED AGENT OF WCD.
27. CHANGES ON PLANS AND SPECIFICATIONS: ANY CHANGES TO THE APPROVED IMPROVEMENT PLANS AND SPECIFICATIONS MUST BE PREPARED AND APPROVED BY DILLON & MURPHY AND SHALL BE SUBMITTED TO CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS AND WCD FOR APPROVAL PRIOR TO IMPLEMENTATION.
28. THIS SITE CONTAINS 11.36 ACRES GROSS.
29. ALL TRAFFIC SIGNS AND MARKINGS SHALL CONFORM TO CALAVERAS COUNTY STANDARDS AND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE MUTCD CALIFORNIA SUPPLEMENT, AND TO THE CALTRANS TRAFFIC MANUAL ALL AS SHOWN ON THE PLANS.
30. 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 PERSON 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 CALAVERAS, ITS ELECTED OFFICIALS, OFFICERS, EMPLOYEES, WCD, AND DILLON & MURPHY FROM ANY AND ALL CLAIMS, COSTS OR 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.
31. ALL UTILITIES SHALL BE UNDERGROUND, UNLESS SPECIFICALLY NOTED OTHERWISE ON PLANS.
32. THIS PROJECT SHALL IMPLEMENT THE AIR POLLUTION CONTROL DISTRICT'S FUGITIVE DUST CONTROL MEASURES AND OZONE EMISSION MEASURES DURING CONSTRUCTION.
33. ALL EARTHWORK AND GRADING SHALL BE IN CONFORMANCE WITH CHAPTER 33 OF THE UNIFORM BUILDING CODE, DATED 1994.
34. THE TOTAL EARTHWORK QUANTITY IS: APPROX. VOLUME OF FILL = 41,000 CYD THESE EARTHWORK QUANTITIES ARE NOT BID QUANTITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL QUANTITIES.
35. CONTRACTOR SHALL SUBMIT TO DILLON & MURPHY FOR APPROVAL EQUIPMENT AND MATERIAL SPECIFICATION OF ITEMS HE WISHES TO SUBSTITUTE FROM THAT WHICH IS SPECIFIED ON THE IMPROVEMENT PLANS, WCD STANDARD PLANS AND SPECIFICATIONS AND PROJECT SPECIFICATIONS. WCD SHALL HAVE THE FINAL SAY.
36. CONTRACTOR SHALL NOT CAUSE THE CONSTRUCTION SURVEY STAKES TO BE DESTROYED OR REMOVED UNTIL THE IMPROVEMENTS HAVE BEEN ACCEPTED BY THE INSPECTOR. CONTRACTOR SHALL COORDINATE ACCEPTANCE OF IMPROVEMENTS BY THE INSPECTOR SO THAT THE PREVIOUS SET OF CONSTRUCTION STAKES DO NOT CONFLICT WITH THE NEXT PHASE OF CONSTRUCTION.
37. ALL LINEAR FOOTAGES, AREAS OR VOLUMETRIC AMOUNTS OF PIPING MATERIAL, CONCRETE, ASPHALT CONCRETE, EXCAVATION AND IMPORT FILL MATERIAL SHOWN ON THESE IMPROVEMENT PLANS ARE APPROXIMATE. ACTUAL AS-BUILT FIELD MEASUREMENTS SHALL PREVAIL.
38. PRIOR TO ACCEPTANCE OF IMPROVEMENTS, STREET LIGHTS SHALL BE INSTALLED AND ENERGIZED. WCD WILL MAINTAIN ALL STREET LIGHTS AND STANDARDS UPON ACCEPTANCE OF PROJECT AS COMPLETE.
39. DILLON & MURPHY SHALL OBTAIN SIGNED PLANS FOR THIS PROJECT PRIOR TO BEGINNING ANY GRADING ON-SITE OR OFF-SITE.
40. NONPOTABLE WATER SHALL BE USED ON THIS PROJECT. THE CONTRACTOR SHALL NOTIFY THE WCD IN WRITING OF THE INTENDED SOURCE PRIOR TO CONSTRUCTION.
41. FINAL PAVEMENT WORK SHALL NOT OCCUR WITHIN ANY EXISTING ROAD RIGHT-OF-WAY PRIOR TO COMPLETION OF UTILITY RELOCATION WITHOUT SPECIFIC APPROVAL OF THE DIRECTOR.
42. IF NECESSARY, A TRAFFIC CONTROL PLAN (TCP) SHALL BE SUBMITTED TO AND DEEMED ACCEPTABLE BY COUNTY PRIOR TO START OF WORK. THIS SHALL ADDRESS ALL PHASES OF WORK, WHICH WILL IMPACT PUBLIC TRAFFIC. CONFORMANCE WITH THE TCP SHALL BE MAINTAINED AT ALL TIMES. THE TCP SHALL BE DRAWN TO SCALE, AND IN CONFORMANCE WITH THE LATEST MUTCD MANUAL AND CALIFORNIA SUPPLEMENTAL MANUAL.
43. WHENEVER PAVEMENT IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THE SPECIFICATIONS, THE PAVEMENT SHALL BE REPLACED, AFTER PROPER BACKFILLING, WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL PAVING.
44. DRAINAGE FACILITIES SHALL BE MAINTAINED DURING PERIODS OF INCLEMENT WEATHER, AND RESTORED TO THEIR ORIGINAL CONDITIONS UPON COMPLETION OF THE WORK.
45. CONTRACTOR SHALL VERIFY ALL STREET NAMES WITH CALAVERAS COUNTY PLANNING DEPARTMENT BEFORE ORDERING STREET SIGNS.
46. WHERE WORK IS BEING DONE IN AN OFFSITE EASEMENT, THE CONTRACTOR SHALL NOTIFY THE PROPERTY OWNER 48 HOURS PRIOR TO COMMENCING WORK.
47. GRADING/CONSTRUCTION THAT DISTURBS MORE THAN ONE ACRE WILL REQUIRE THE FILING OF A NOTICE OF INTENT (NOI) TO COMPLY WITH THE STATE'S NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM GENERAL CONSTRUCTION PERMIT. A COPY OF THE NOI SHALL BE PLACED IN THE PROJECT'S STORMWATER POLLUTION PREVENTION PLAN (SWPPP), WHICH IS TO BE KEPT ONSITE.
48. ROAD CONSTRUCTION AND COMPACTION TESTING IS TO BE IN CONFORMANCE WITH CALAVERAS COUNTY STANDARDS AND CALTRANS STANDARD SPECIFICATIONS. GRADING IS TO COMPLY WITH APPENDIX CHAPTER 33 OF THE CALIFORNIA BUILDING CODE AND WITH RECOMMENDATIONS MADE BY THE SOILS ENGINEER.
49. THE CONTRACTOR IS TO ARRANGE A PRE-CONSTRUCTION MEETING PRIOR TO THE START OF CONSTRUCTION. WORK IS TO BE PERFORMED DURING DAYLIGHT HOURS, MONDAY THROUGH FRIDAY (EXCLUDING HOLIDAYS). NO WORK REQUIRING COUNTY INSPECTION SHALL BE PERFORMED DURING HOLIDAYS. CONTACT PUBLIC WORKS 48 HOURS IN ADVANCE OF ANY WORK (754-6402).
50. A COPY OF AN APPROVED SET OF PLANS IS TO BE ON-SITE DURING CONSTRUCTION.
51. CONSTRUCTION STAKING IS TO BE IN PLACE PRIOR TO BEGINNING OF CONSTRUCTION AND IS TO BE MAINTAINED OR REPLACED AS NEEDED FOR CONSTRUCTION PURPOSES. MINIMUM CONSTRUCTION STAKING FOR ROADWAY IMPROVEMENTS INCLUDES THE BC, EC, BVC, PVI AND EVC OF ALL CURVES AND A 50 FOOT INTERVALS. FOR ALL IMPROVEMENTS, EASEMENTS AND RIGHTS OF WAYS, DRAINAGE APPURTENANCES, AND SLOPES SHALL BE STAKED.
52. THE QUANTITY OF FILL REQUIRED IS 38,183 CUBIC YARDS. THE QUANTITY OF CUT REQUIRED 12,183 CUBIC YARDS. EXCESS MATERIAL SHALL BE DISPOSED OF AT FILLS ARE NOT TO BE PLACED UNTIL APPROVAL HAS BEEN OBTAINED FROM THE DISTRICT ENGINEER. MAXIMUM FILL AND CUT SLOPES FOR GRADING SHALL BE 2:1. FOR ROADWAYS, MAXIMUM CUT SLOPES TO BE 2:1 AND 2:1 FOR FILL SLOPES.
53. CONTACT UNDERGROUND SERVICE ALERT (USA) 48 HOURS PRIOR TO EXCAVATION (1-800-227-2600)
54. SURVEY MONUMENTS DISTURBED DURING CONSTRUCTION ARE TO BE RE-ESTABLISHED.
55. CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL AND PROTECTION OF THE PUBLIC AS PER CALTRANS TRAFFIC CONTROL MANUAL.
56. CONTRACTOR IS RESPONSIBLE FOR THE CONDITION OF THE SITE AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.
57. THE CONTRACTOR SHALL KEEP ADJOINING PUBLIC STREETS FREE OF PROJECT DIRT, MUD, MATERIALS AND DEBRIS DURING THE CONSTRUCTION PERIOD. IF ANY EXISTING STREETS ARE DAMAGED DURING CONSTRUCTION, THE CONTRACTOR/DEVELOPER SHALL BE SOLELY RESPONSIBLE FOR THE STREET REPAIR.
58. CONTRACTOR IS TO OBTAIN ALL REQUIRED FEDERAL AND STATE PERMITS, AS APPLICABLE, INCLUDING BUT NOT LIMITED TO CORPS OF ENGINEERS 401 PERMIT, FISH AND GAME 1603 PERMIT, AND NPDES PERMIT FOR CONSTRUCTION ACTIVITY. OBTAIN AN ENCROACHMENT PERMIT PRIOR TO THE COMMENCEMENT OF ANY WORK WITHIN THE COUNTY RIGHT OF WAY.

59. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF SIGNIFICANT EROSION AND SILTATION ENTERING THE STORM DRAIN SYSTEM, NATURAL DRAINAGE COURSES, AND/OR INTRUDING UPON ADJACENT ROADWAYS AND PROPERTIES. WINTERIZATION AND EROSION CONTROL SHOWN ON THESE PLANS IS INTENDED AS A GUIDE. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER. THIS RESPONSIBILITY SHALL APPLY THROUGHOUT THE COURSE OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS HAVE BECOME STABILIZED AND SHALL NOT BE LIMITED TO WET WEATHER PERIODS.
60. THE COUNTY MAY REQUIRE THE CONTRACTOR TO UNCOVER ANY IMPROVEMENTS THAT HAVE BEEN COMPLETED WITHOUT PROPER COUNTY INSPECTION AND/OR APPROVAL. IF THE INSTALLATION IS FOUND NOT TO MEET COUNTY STANDARDS OR PREVIOUSLY APPROVED ALTERNATIVES SHOWN ON THE PLANS, THE CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE SUCH IMPROVEMENTS AT HIS EXPENSE.
61. USE BEST MANAGEMENT PRACTICES (BMP'S) FOR CONTROL OF EROSION. BMP'S TO CONTROL STORM WATER RUNOFF DURING THE RAINY SEASON MAY INCLUDE SEED MIXTURES TO USE FOR SLOPE STABILITY AND PROTECTION OF DISTURBED SOIL.
62. THE STANDARD SPECIFICATIONS ARE PART OF THE CONTRACT DOCUMENTS OF THIS PROJECT AND ALL MATERIALS AND CONSTRUCTION SHALL BE IN STRICT CONFORMANCE WITH SAID STANDARD SPECIFICATIONS OR AS AUTHORIZED BY THESE PLANS.
63. IF, DURING PROJECT RELATED CONSTRUCTION, ANY STRUCTURAL REMAINS SUCH AS AS LARGE ROCK, BRICK OR CONCRETE ARE FOUND, CONSTRUCTION IN THE IMMEDIATE VICINITY OF THE FIND(S) SHALL CEASE AND A QUALIFIED ARCHAEOLOGIST SHALL BE RETAINED TO EVALUATE THE FIND(S) AND MAKE RECOMMENDATIONS AS NECESSARY.
64. IF, DURING PROJECT RELATED CONSTRUCTION, ARTIFACTS SUCH AS GLASS OR CERAMIC PIECES, METAL, OBSIDIAN, CHERT (FLINT), OR GRINDING ROCKS ARE FOUND, CONSTRUCTION IN THE IMMEDIATE VICINITY OF THE FIND(S) SHALL CEASE AND A QUALIFIED ARCHAEOLOGIST SHALL BE RETAINED TO THE FIND(S) AND MAKE RECOMMENDATIONS AS NECESSARY.
65. IT IS UNLIKELY THAT HUMAN REMAINS WILL BE FOUND WITHIN THE STUDY AREA. IF HUMAN REMAINS ARE FOUND, HOWEVER, APPENDIX K OF THE CEQA GUIDELINES SETS FORTH THE PROCESS BY WHICH THESE REMAINS MUST BE ADDRESSED. IN ADDITION, THE PROJECT PROPOSER SHALL RETAIN THE SERVICES OF A QUALIFIED ARCHAEOLOGIST TO EVALUATE THE SCIENTIFIC ASPECTS OF THE DISCOVERIES AND MAKE RECOMMENDATIONS AS APPROPRIATE.



BEFORE YOU DIG
 CALL USA UNDERGROUND SERVICE ALERT
 48 HOURS PRIOR TO CONSTRUCTION. CALL
 TOLL FREE 1-800-227-2600
 KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND
 PEOPLE 10 FEET FROM POWER LINES. IF YOU
 MUST WORK WITHIN 10 FEET OF POWER LINES
 PLEASE CALL PG&E @ 800-743-5000

DILLON & MURPHY
 CONSULTING CIVIL ENGINEERS
 ENGINEERING • PLANNING • SURVEYING
 1820 W. KETTLEMAN LANE, SUITE E, LODI, CALIFORNIA 95242 (209) 334-6613

TRES LAGOS
 TRACT NO. 2003-110

**GENERAL NOTES
 & SPECIFICATIONS**

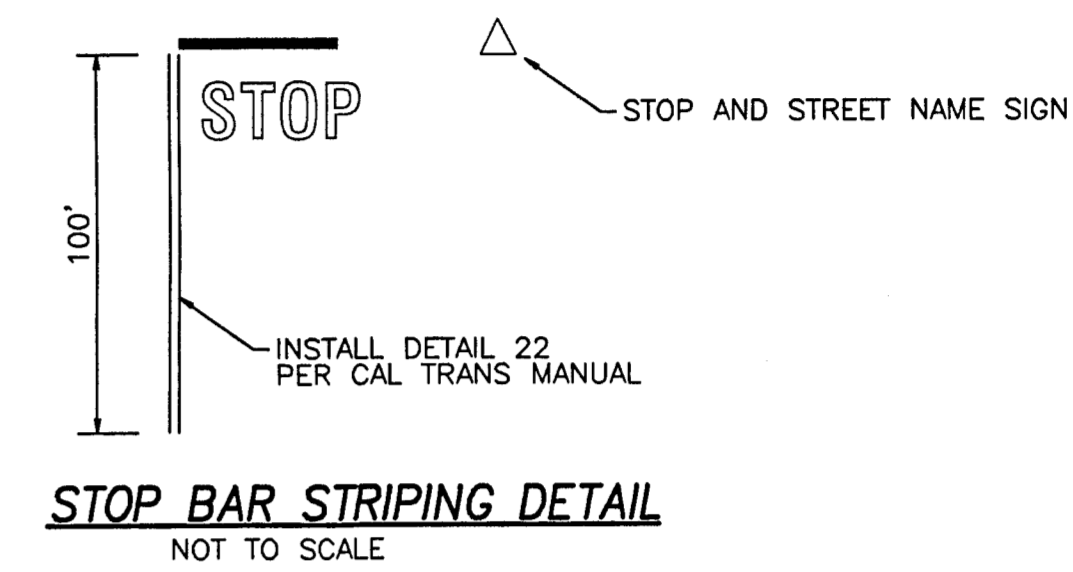
JUNE, 2007
 CALAVERAS COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: N.T.S.	BENCH MARK: D1106 EL: 176.47	SHEET
			DRAWN BY: LM		2
			DESIGNED BY:		OF 22 SHEETS
			CHECKED BY:		JOB NO.
			AS BUILT BY:		0340

SCALE: 1" = 60'



"NO OUTLET/NOT A THROUGH ROAD"
INSTALL "NOT A COUNTY MAINTAINED ROAD" SIGN



LEGEND

- | | | | |
|--------|--------------------------|--------|------------------------------------|
| AC. | ASPHALT CONCRETE | (T) | TOTAL GRADE BREAK |
| TC. | TOP OF CURB | (TYP.) | TYPICAL |
| W | WATER | SS | SANITARY SEWER |
| SD | STORM DRAIN | INV | INVERT |
| E/P | EDGE OF PAVEMENT | (2) | SEE CONSTRUCTION NOTES |
| F.F. | FINISH FLOOR | ⊙ | EX. POWER POLE |
| P.U.E. | PUBLIC UTILITY EASEMENT | ⊙ | PROPOSED STREET LIGHT |
| STA. | STATION | ⊙ | PROPOSED CATCH BASIN |
| CL | CENTERLINE | ⊙ | PROPOSED FIRE HYDRANT |
| EX | EXISTING | ⊙ | PROPOSED WATER VALVE |
| OG | ORIGINAL GROUND | ⊙ | EXISTING WATER VALVE |
| HP | HIGH POINT | ⊙ | BLUE REFLECTOR MARKER |
| LP | LOW POINT | ⊙ | PROPOSED AIR RELEASE VALVE |
| SSCO | SANITARY SEWER CLEAN OUT | ⊙ | PROPOSED BLOW-OFF VALVE |
| FG | FINISHED GRADE | ⊙ | PROPOSED STOP AND STREET NAME SIGN |
| • | PROPOSED MANHOLE | ⊙ | EXISTING FIRE HYDRANT |
| 200 | EXISTING GRADE | | |
| — | STREET SIGN | | |

NOTE:

- ALL LIGHTS INSTALLED SHALL BE LS-2 CLASS "C". THE LIGHTS INSTALLED AT THE INTERSECTION OF CAMANCHE PARKWAY AND TENEYA CANYON DRIVE SHALL BE 150 WATTS. ALL OTHER LIGHTS INSTALLED SHALL BE 100 WATTS.
- BREAK STRIPING FOR NEW INTERSECTION ALONG CAMANCHE PARKWAY AND SHOW PROPER "NO PASS" SOLID YELLOW STRIPING DETAIL 22 PER CAL TRANS TRAFFIC MANUAL FOR 300 FEET MIN. EACH SIDE OF NEW INTERSECTION.



BEFORE YOU DIG
CALL USA UNDERGROUND SERVICE ALERT
48 HOURS PRIOR TO CONSTRUCTION. CALL
TOLL FREE 1-800-227-2600
KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND
PEOPLE 10 FEET FROM POWER LINES. IF YOU
MUST WORK WITHIN 10 FEET OF POWER LINES
PLEASE CALL PG&E @ 800-743-5000

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TRES LAGOS
TRACT NO. 2003-110

TOPOGRAPHIC, STREET LIGHT, STREET SIGN STRIPING,
AND FIRE HYDRANT LOCATION MAP

JUNE, 2007
CALAVERAS COUNTY, CALIFORNIA

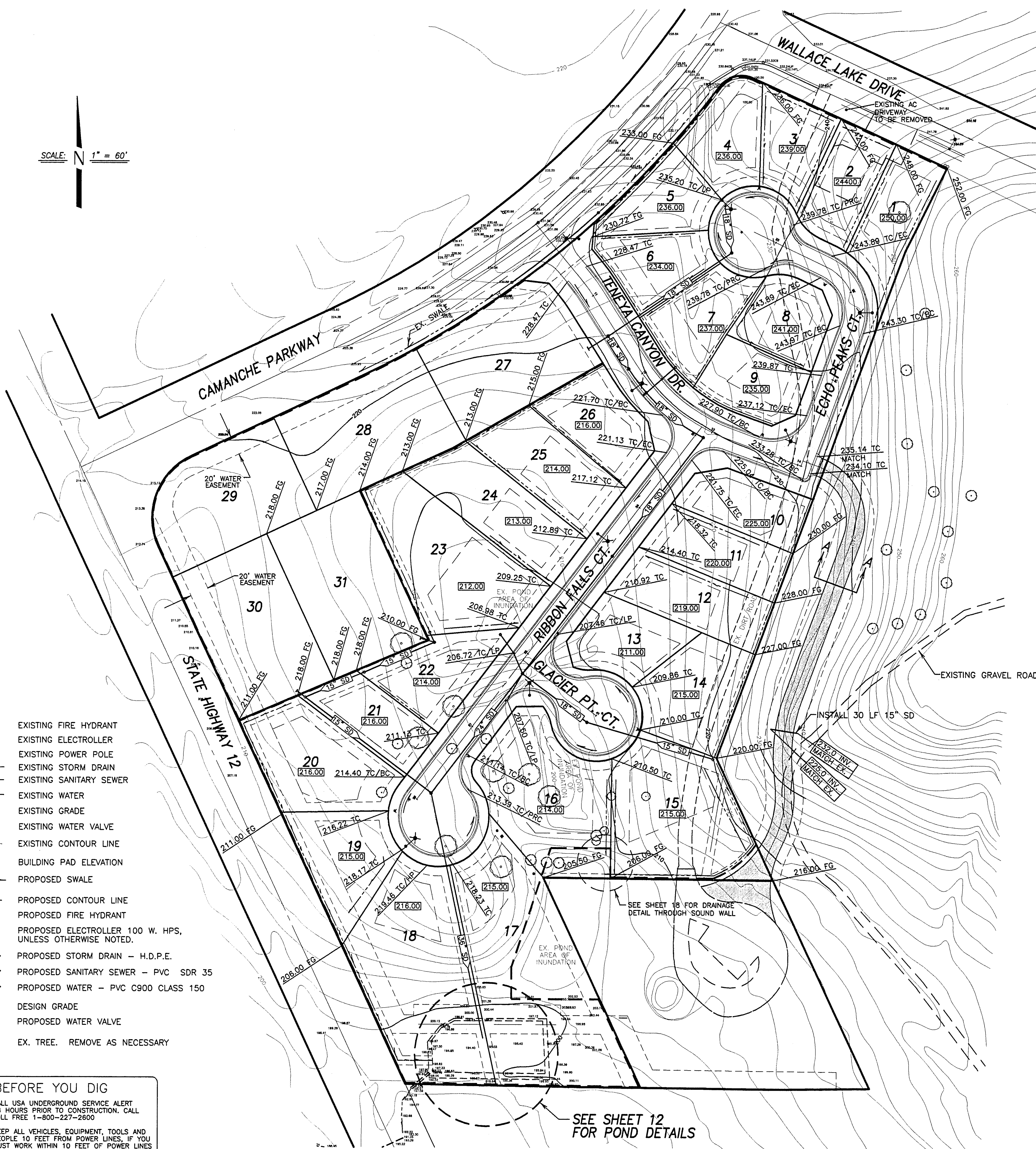
REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: D1106 EL: 176.47	SHEET
			DRAWN BY: LM, RN	DESCRIPTION:	3
			DESIGNED BY: JM	BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	OF 22 SHEETS
			CHECKED BY:		JOB NO. 0340
			AS BUILT BY:		

SEE SHEET 12
FOR MORE POND
DETAIL.

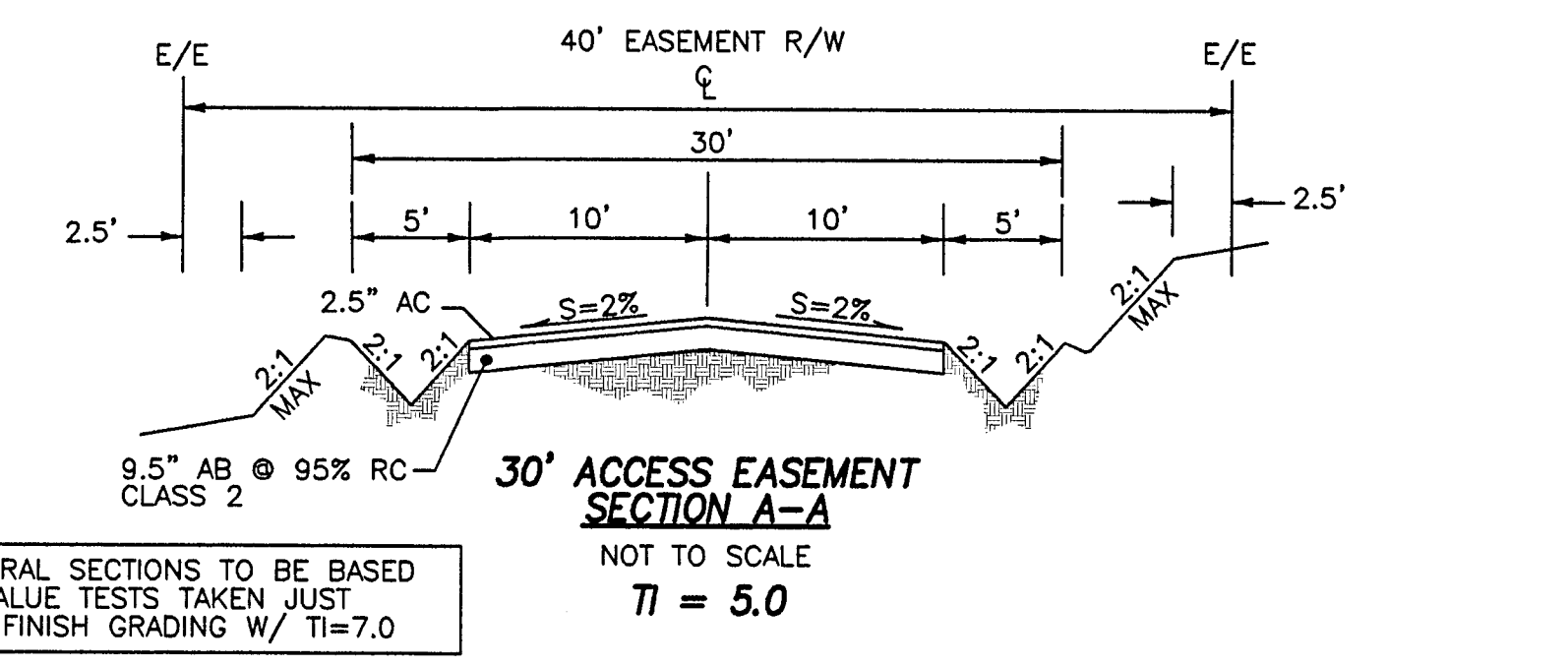
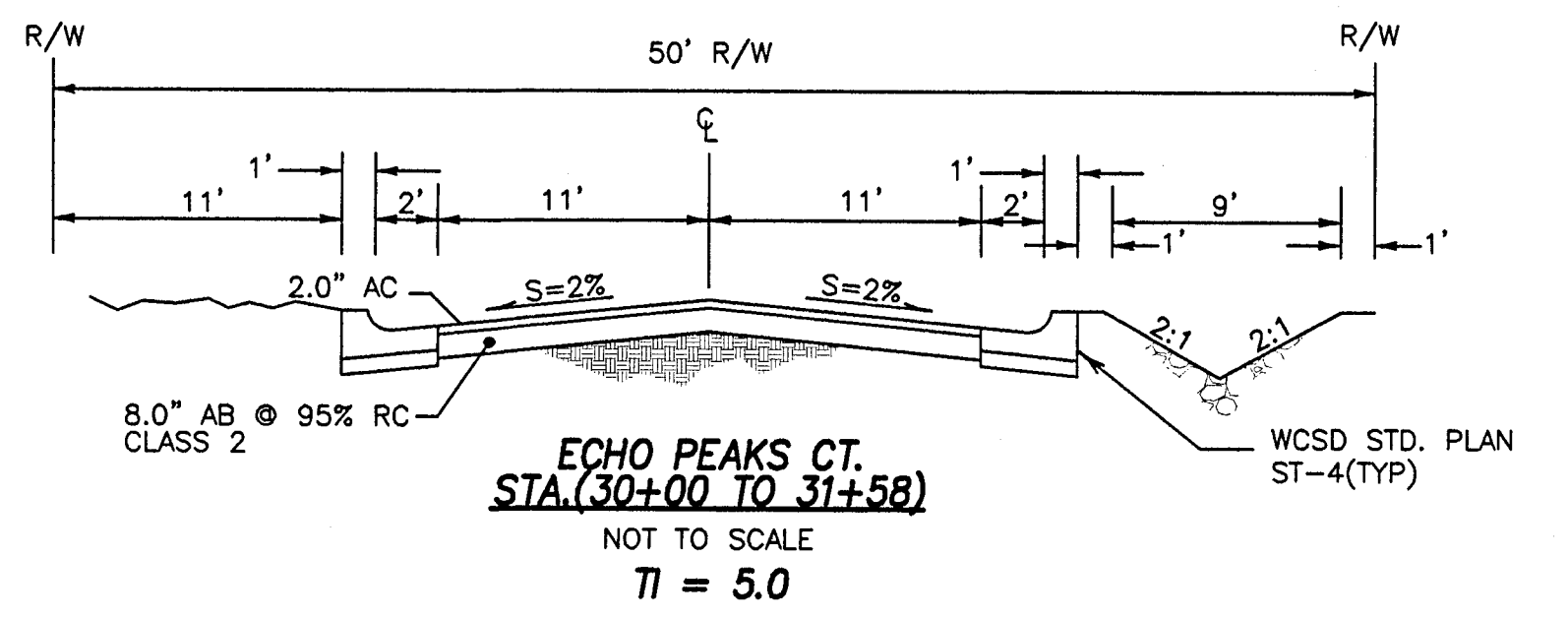
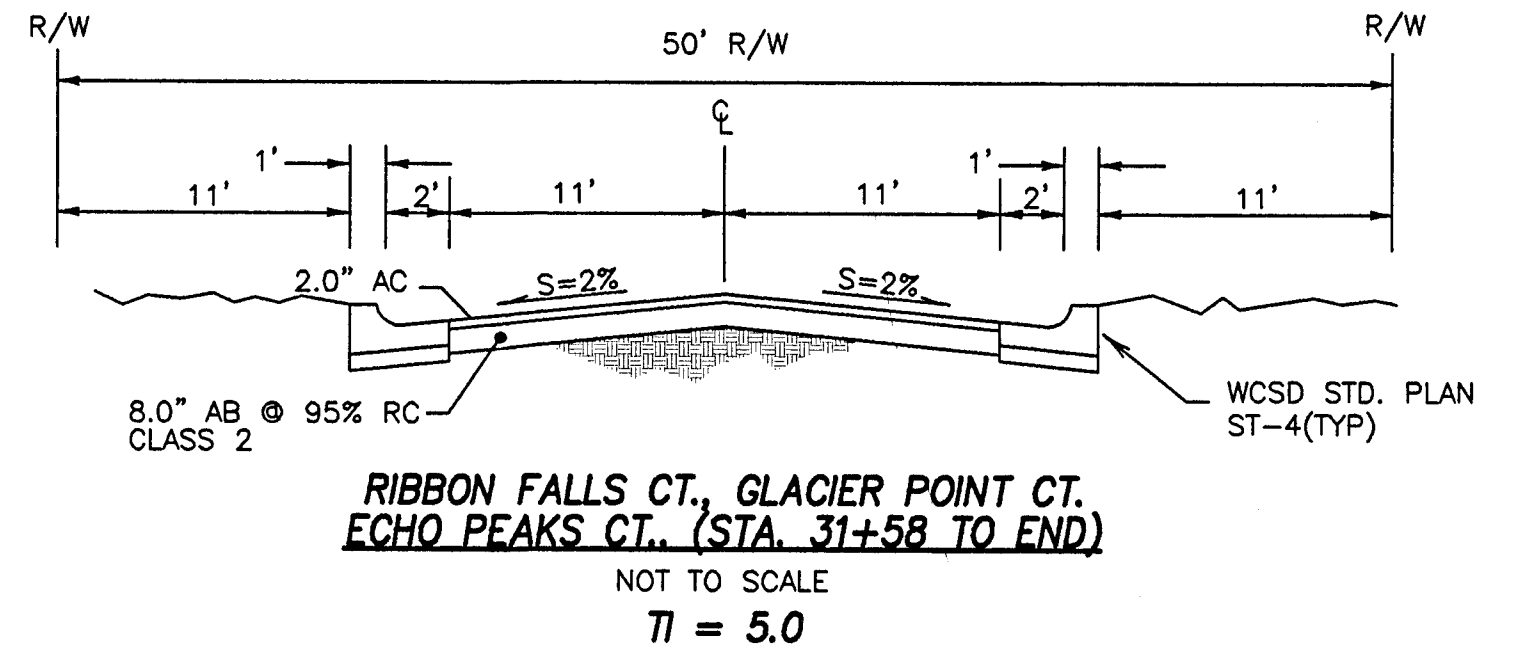
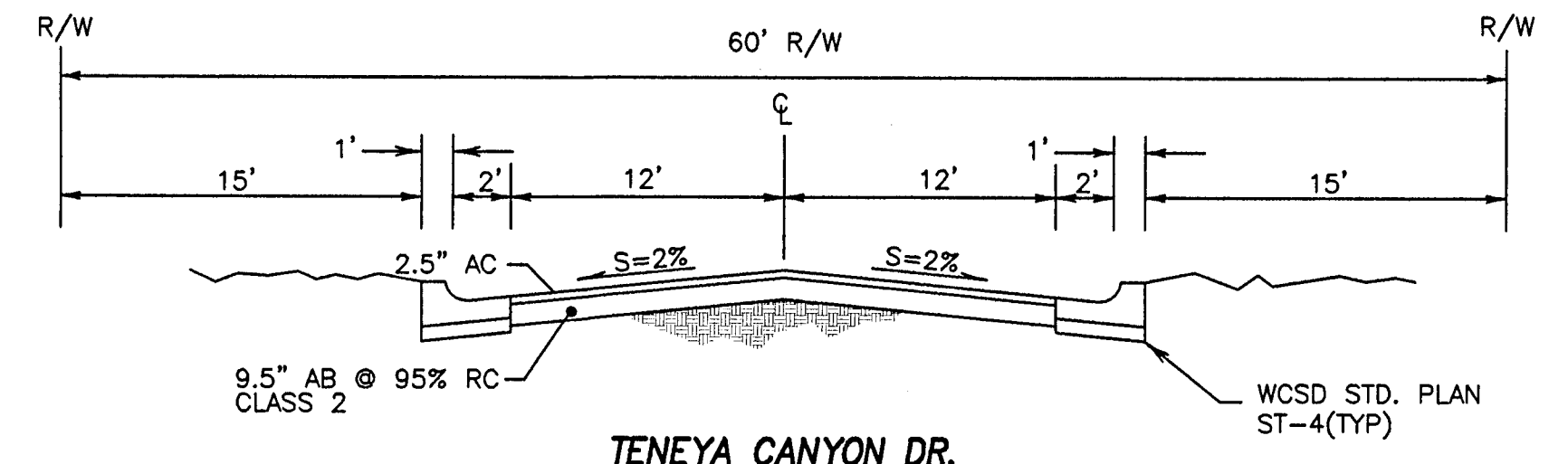
SCALE: $1" = 60'$

- LEGEND**
- EXISTING FIRE HYDRANT
 - EXISTING ELECTROLLER
 - EXISTING POWER POLE
 - EX. 24" SD
 - EX. 12" SS
 - EX. 8" W
 - 125.50
 - 120
 - 215.00
 - BUILDING PAD ELEVATION
 - PROPOSED SWALE
 - 220
 - PROPOSED FIRE HYDRANT
 - PROPOSED ELECTROLLER 100 W. HPS, UNLESS OTHERWISE NOTED.
 - PROPOSED STORM DRAIN - H.D.P.E.
 - PROPOSED SANITARY SEWER - PVC SDR 35
 - PROPOSED WATER - PVC C900 CLASS 150
 - 7.45 FG
 - PROPOSED WATER VALVE
 - EX. TREE. REMOVE AS NECESSARY

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SEE SHEET 12
 FOR POND DETAILS



- NOTES:**
- FOLLOWING SITE STRIPPING, ALL SUBGRADE SOILS TO SUPPORT PAVEMENTS SHOULD BE SCARIFIED TO A MINIMUM DEPTH OF 6 INCHES BELOW THE FINISHED SUBGRADE ELEVATION, UNIFORMLY MOISTURE CONDITIONED TO BETWEEN 1 AND 4 PERCENTAGE POINTS ABOVE THE OPTIMUM MOISTURE CONTENT AND COMPACTED AS ENGINEERED FILL TO AT LEAST 95 PERCENT RELATIVE COMPACTION. THE SUBGRADE SOILS SHOULD BE IN A STABLE, NON-PUMPING CONDITION AT THE TIME AGGREGATE BASE MATERIALS ARE PLACED AND COMPACTED.
 - THE EXISTING AREAS OF INUNDATION (BASED ON THE 100 YEAR EVENT) WILL BE ELIMINATED WITH THE GRADING OF THIS SUBDIVISION, EXCLUDING THE POND ON THE CAMFORA GAS SITE.

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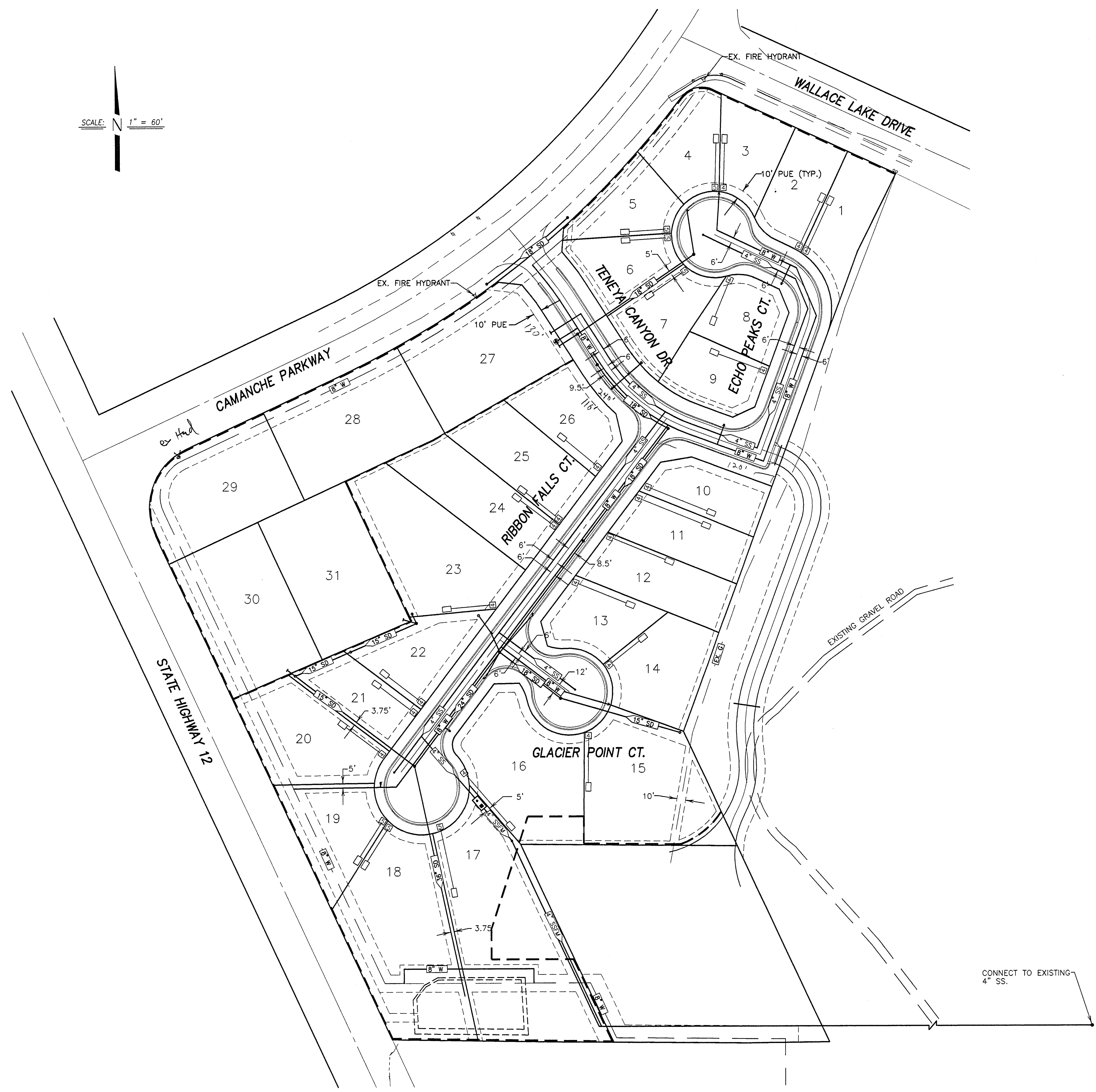
**IMPROVEMENT PLANS FOR TRACT NO. 2003-110
 TRES LAGOS**

OVERALL GRADING PLAN AND TYPICAL SECTIONS

JUNE, 2007
 CALAVERAS COUNTY, CALIFORNIA

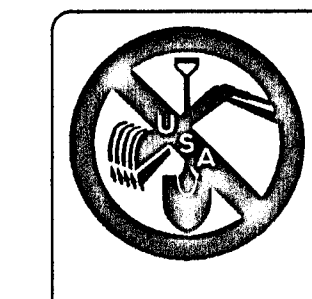
REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: D1106 EL: 176.47	SHEET
			DRAWN BY: LM, RN	DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	4
			DESIGNED BY: JM		OF 22 SHEETS
			CHECKED BY:		JOB NO. 0340
			AS BUILT BY:		

SCALE: $1" = 60'$



LEGEND

- AC. ASPHALT CONCRETE
- TC. TOP OF CURB
- W. WATER
- SD. STORM DRAIN
- E/P. EDGE OF PAVEMENT
- F.F. FINISH FLOOR
- P.U.E. PUBLIC UTILITY EASEMENT
- STA. STATION
- CL. CENTERLINE
- EX. EXISTING
- OG. ORIGINAL GROUND
- HP. HIGH POINT
- LP. LOW POINT
- SSCO. SANITARY SEWER CLEAN OUT
- FG. FINISHED GRADE
- (T). TOTAL
- GB. GRADE BREAK
- (TYP.). TYPICAL
- SS. SANITARY SEWER
- INV. INVERT
- SEE CONSTRUCTION NOTES
- EX. POWER POLE
- PROPOSED STREET LIGHT
- PROPOSED CATCH BASIN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING WATER VALVE
- BLUE REFLECTOR MARKER
- PROPOSED AIR RELEASE VALVE
- INSTALL GRAVITY TANK AND VALVE PER W.C.S.D. STD. SS-4
- INSTALL ON LOT PUMP TANK AND VALVE PER W.C.S.D. STD. SS-5
- MH.
- STUB
- EXISTING GAS VALVE



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**IMPROVEMENT PLANS FOR TRACT NO. 2003-110
 TRES LAGOS**

OVERALL UTILITY SHEET

JUNE, 2007
 CALAVERAS COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: D1106, EL: 176.47	SHEET
			DRAWN BY: LM, RN	DESCRIPTION:	5
			DESIGNED BY: JM	BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	OF 22 SHEETS
			CHECKED BY:	JOB NO.	0340
			AS BUILT BY:		

BUILDING PAD TABLE	
PAD	AREA
1	3588 SQ. FT
2	3927 SQ. FT
3	3211 SQ. FT
4	4371 SQ. FT
5	3644 SQ. FT
6	3207 SQ. FT
7	3243 SQ. FT
8	2641 SQ. FT
9	2302 SQ. FT
10	3681 SQ. FT
11	3457 SQ. FT
12	4010 SQ. FT
13	3113 SQ. FT
14	5055 SQ. FT
15	6158 SQ. FT
16	8212 SQ. FT
17	2972 SQ. FT
18	3367 SQ. FT
19	2641 SQ. FT
20	5716 SQ. FT
21	3902 SQ. FT
22	3664 SQ. FT
23	6039 SQ. FT
24	3694 SQ. FT
25	4117 SQ. FT
26	4118 SQ. FT

SCALE: N 1" = 30'

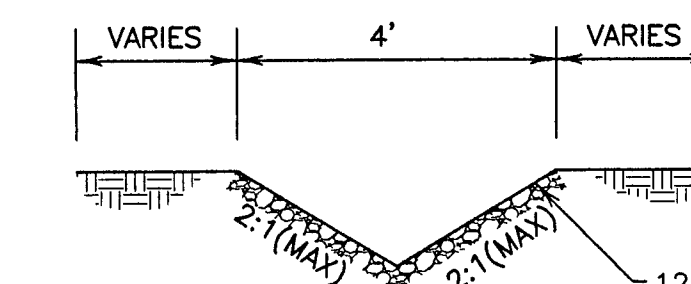


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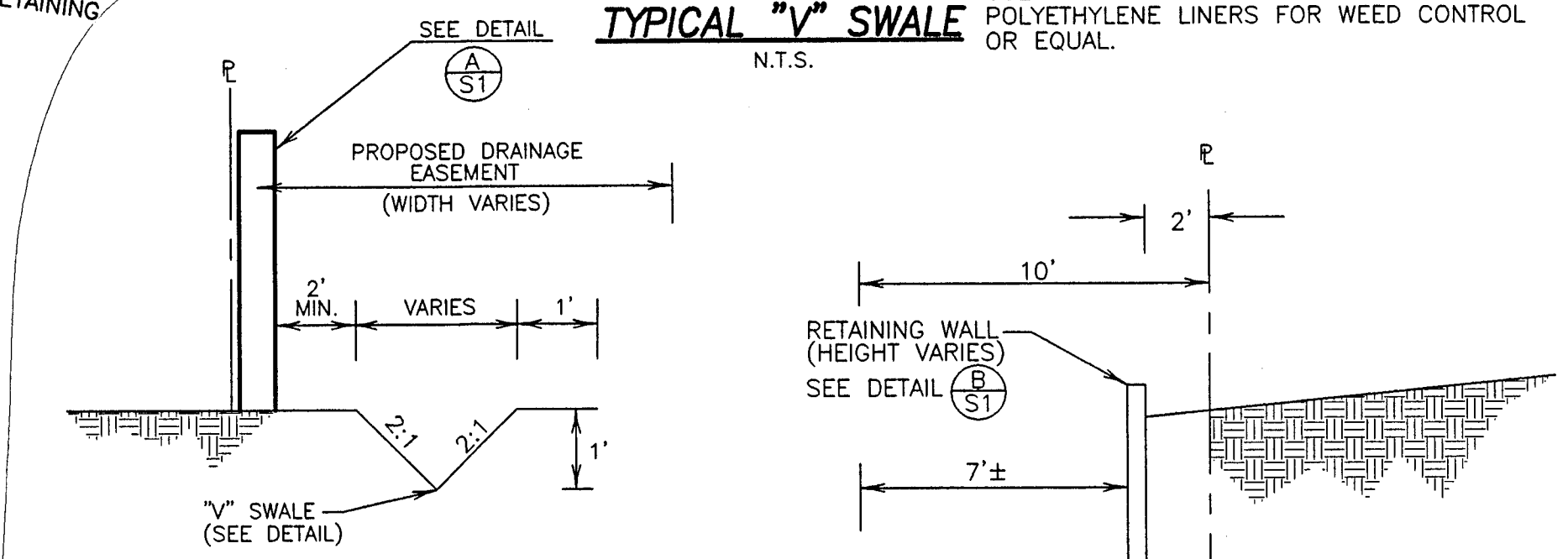
- REFLECTS POTENTIAL BUILDING SITE. RESERVE 5'± FROM EDGE OF FOOTING TO EDGE OF PAD (MIN.)
- SEE SOILS REPORT PREPARED BY KLEINFELDER DATED APRIL 27, 2006 FOR GRADING RECOMMENDATIONS
- SIDE SLOPE SHALL BE 2:1 (MAX)

CONSTRUCTION NOTES:

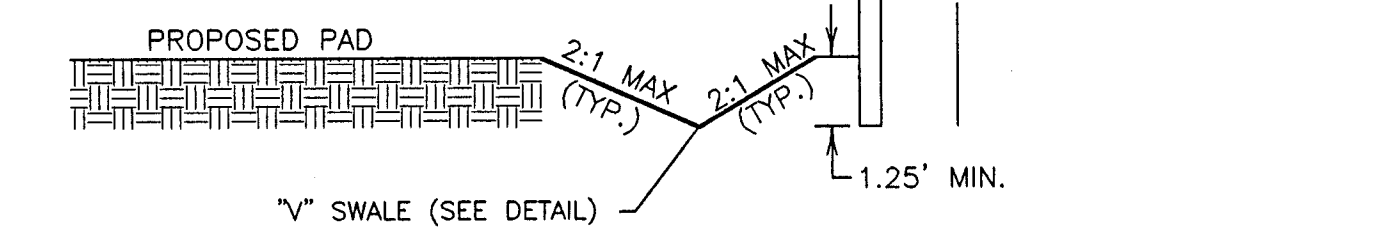
- INSTALL "V" SWALE. GRADE TO DRAIN.
- INSTALL 45 LF 3' VALLEY GUTTER



TYPICAL "V" SWALE
N.T.S.
12" MINUS RIP/RAP FOR ALL OPEN CHANNELS PER WQSD STANDARDS. USE "HYPALON" CHLOROSULFONATED POLYETHYLENE LINERS FOR WEED CONTROL OR EQUAL.



SECTION B-B
N.T.S.



SECTION A-A
N.T.S.

BEFORE YOU DIG
CALL USA UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO CONSTRUCTION. CALL TOLL FREE 1-800-227-2689
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TRES LAGOS
TRACT NO. 2003-110

GRADING PLAN SHEET 1

JUNE, 2007
CALAVERAS COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: Q11106, EL: 176.47	SHEET
	DRAWN BY: RN				6
	DESIGNED BY: JM				OF 22 SHEETS
	CHECKED BY:				JOB NO. 0340
	AS BUILT BY:				

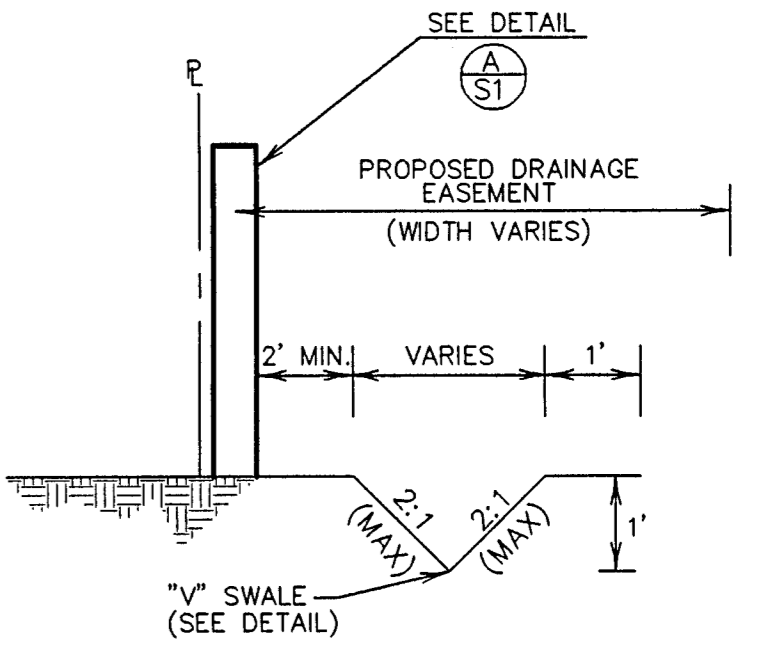
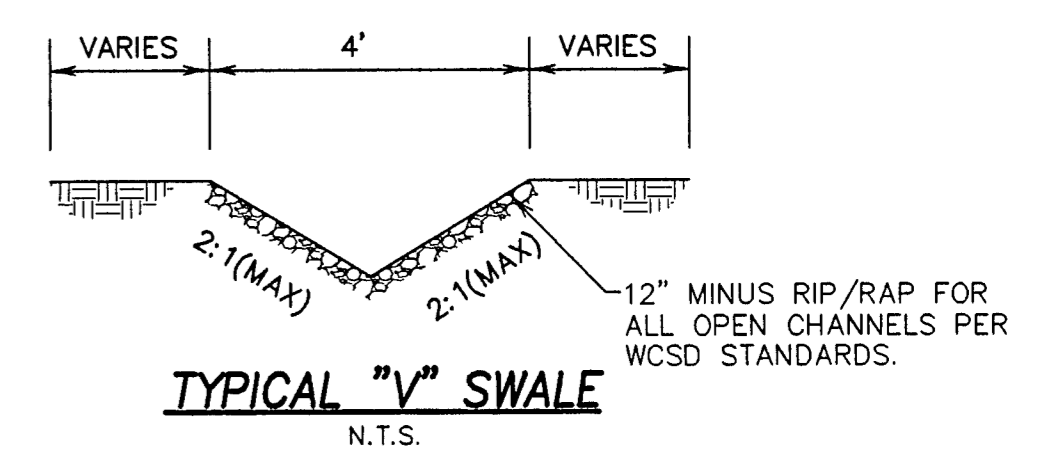
MATCH LINE
SEE SHEET 7

MATCH LINE
SEE SHEET 6

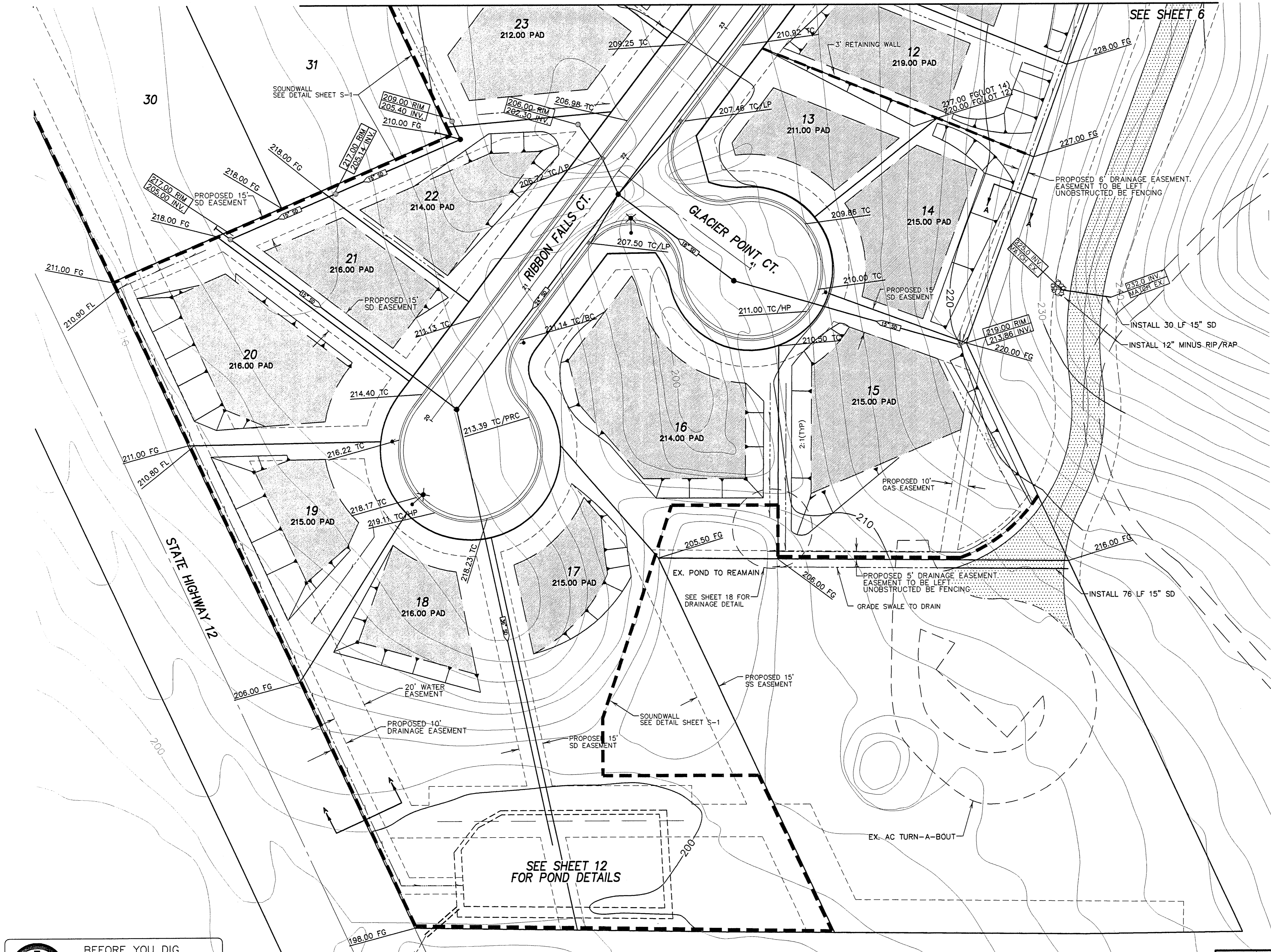
SCALE: 1" = 30'

NOTES:

1. REFLECTS POTENTIAL BUILDING SITE. RESERVE 5'± FROM EDGE OF FOOTING TO EDGE OF PAD (MIN).
2. SEE SOILS REPORT PREPARED BY KLEINFELDER DATED APRIL, 27 2006 FOR GRADING RECOMMENDATIONS.
3. CUT AND FILL SLOPES SHALL BE 2:1 (MAX)
4. PROPOSED 20' ACCESS ROAD. SEE SHEET 4 FOR DETAILS.



SECTION A-A
N.T.S.



SEE SHEET 12
FOR POND DETAILS

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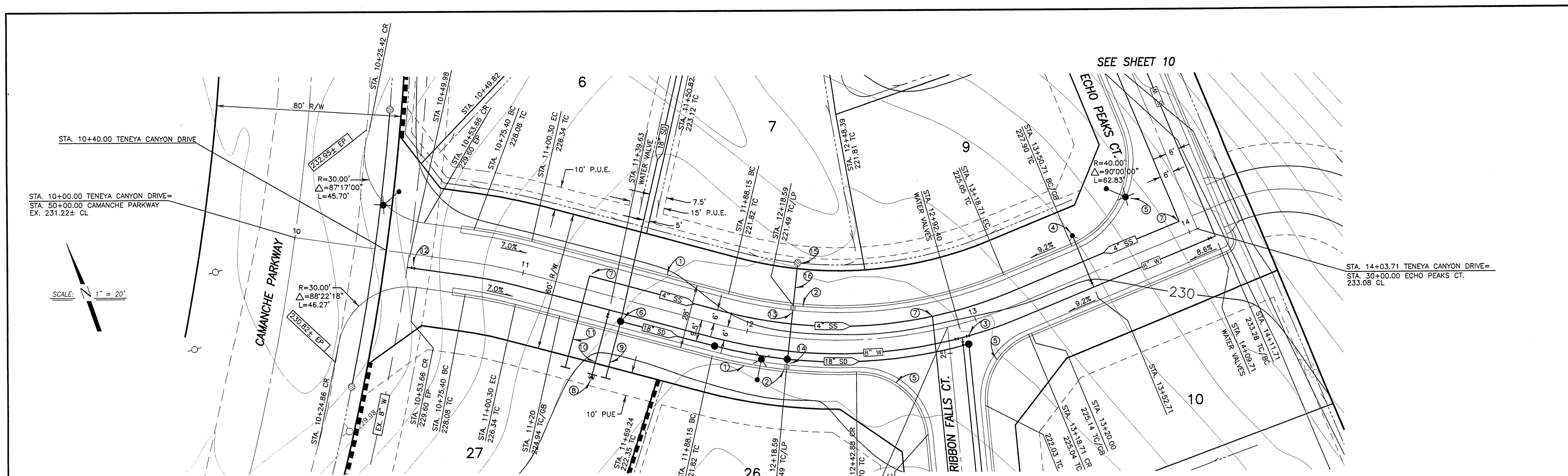
TRES LAGOS
TRACT NO. 2003-110

GRADING PLAN SHEET 2

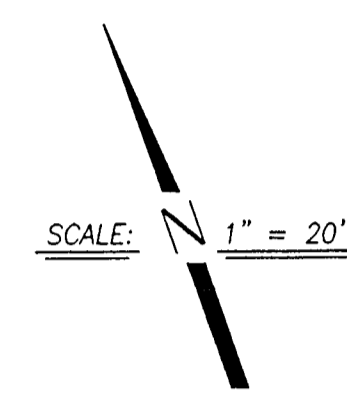
JUNE, 2007
CALAVERAS COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: D1106 EL: 176.47	SHEET
			DRAWN BY: RN	DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	7
			DESIGNED BY: JM		OF 22 SHEETS
			CHECKED BY:		JOB NO.
			AS BUILT BY:		0340

BEFORE YOU DIG
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STA. 10+00.00 TENEYA CANYON DRIVE=
STA. 50+00.00 CAMANCHE PARKWAY
EX. 231.22± CL



SEE SHEET 10

SEE SHEET 9

STA. 14+03.71 TENEYA CANYON DRIVE=
STA. 30+00.00 ECHO PEAKS CT.
233.08 CL

CONSTRUCTION NOTES:

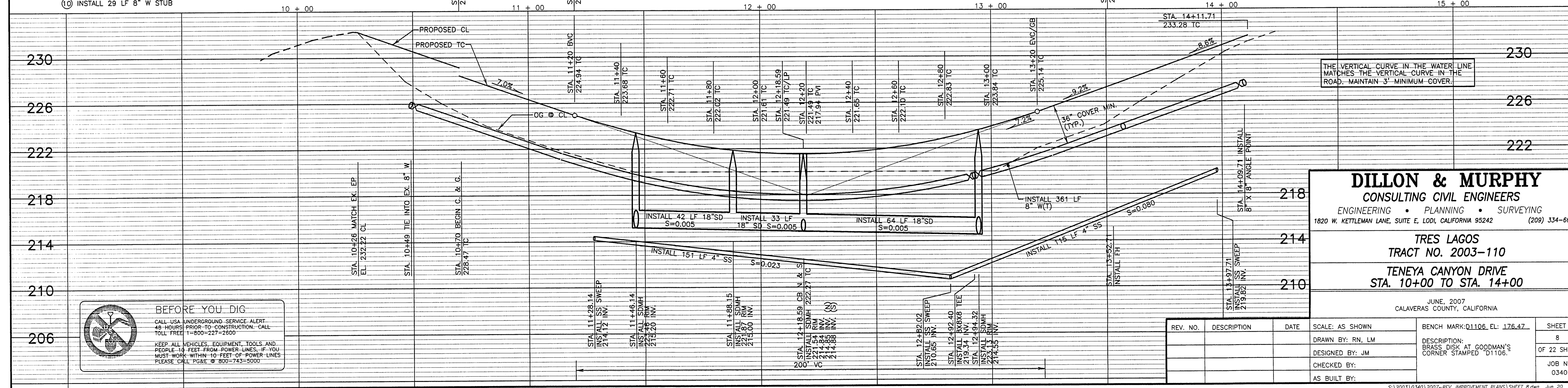
- ① INSTALL ROLLED CURB AND GUTTER. PER WCD STD. ST-4 (TYP.) SEE DETAIL SHEETS.
- ② INSTALL CATCH BASIN, PER WCD STDS.(TYP.) SEE DETAIL SHEETS.
- ③ INSTALL WATER VALVE PER WCD STDS. (TYP.) SEE DETAIL SHEETS.
- ④ INSTALL FIRE HYDRANT PER WCD STDS. (TYP) SEE DETAIL SHEETS. AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE. (TYP)
- ⑤ FACE OF CURB RADIUS = 30'
- ⑥ INSTALL STORM DRAIN MANHOLE PER WCD STDS. SEE DETAIL SHEETS.
- ⑦ INSTALL SANITARY SEWER SWEEP
- ⑧ INSTALL TEMP. BLOW OFF PER WCD STDS. (TYP) SEE DETAIL SHEETS.
- ⑨ INSTALL 26' LF 18" SD STUB S=0.019
- ⑩ INSTALL 29' LF 8" W STUB
- ⑪ INSTALL 41 LF 4" SS STUB
- ⑫ TIE INTO EXISTING 8" WATER LINE.
- ⑬ INSTALL 22 LF 12" SD S=0.002
- ⑭ INSTALL 3 LF 12" SD S=0.002
- ⑮ INSTALL STORM DRAIN CATCH BASIN (SEE SHEET 19 FOR DETAILS)
- ⑯ INSTALL 19 LF 12" SD S=0.002

STA. 12+87.38 TENEYA CANYON DR.=
STA. 25+11.49 RIBBON FALLS CT.
223.49 CL

TENEYA CANYON DR.
HORIZ: 1" = 20'
VERT: 1" = 4'

LEGEND

- | | | | |
|--------|--------------------------|--------|-----------------------------------|
| AC. | ASPHALT CONCRETE | (T) | TOTAL |
| TC. | TOP OF CURB | GB | GRADE BREAK |
| W | WATER | (TYP.) | TYPICAL |
| SD | STORM DRAIN | SS | SANITARY SEWER |
| EX/P | EDGE OF PAVEMENT | INV | INVERT |
| F.F. | FINISH FLOOR | | SEE CONSTRUCTION NOTES |
| P.U.E. | PUBLIC UTILITY EASEMENT | | EX. POWER POLE |
| STA. | CENTERLINE | | PROPOSED STREET LIGHT |
| EX | EXISTING | | PROPOSED CATCH BASIN |
| OG | ORIGINAL GROUND | | PROPOSED FIRE HYDRANT |
| HP | HIGH POINT | | PROPOSED WATER VALVE |
| LP | LOW POINT | | EXISTING WATER VALVE |
| SSCO | SANITARY SEWER CLEAN OUT | | BLUE REFLECTOR MARKER |
| FG | FINISHED GRADE | | PROPOSED AIR RELEASE VALVE |
| CR | CURB RETURN | | VALVE |
| CB | CATCH BASIN | | PROPOSED TEMPORARY BLOW-OFF VALVE |



THE VERTICAL CURVE IN THE WATER LINE MATCHES THE VERTICAL CURVE IN THE ROAD. MAINTAIN 3' MINIMUM COVER.

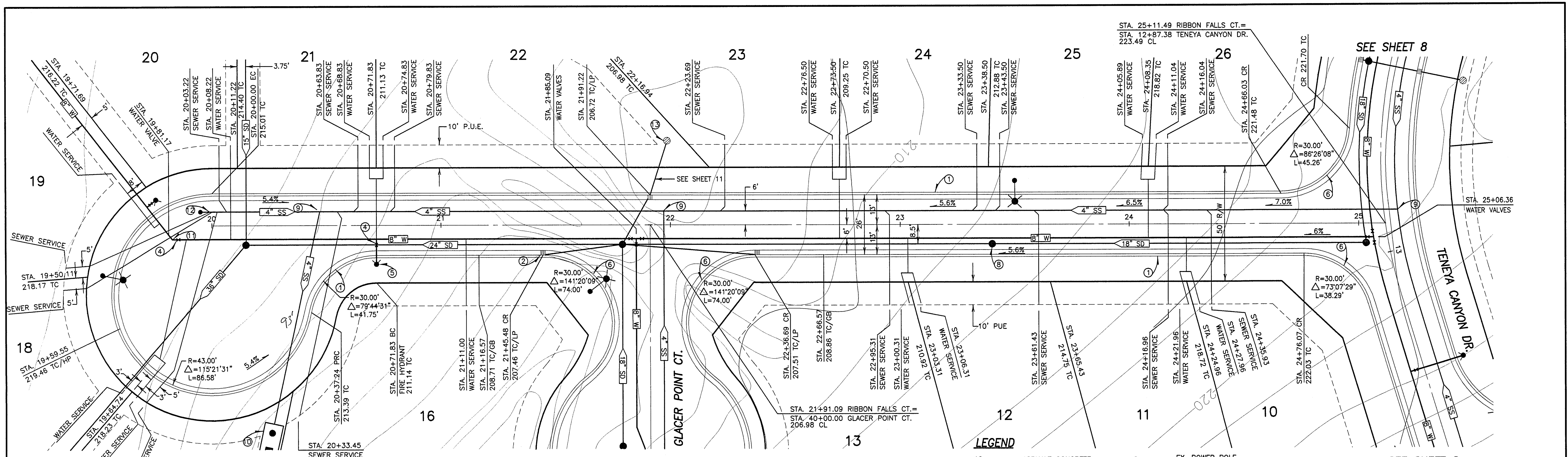
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TRES LAGOS
TRACT NO. 2003-110
TENEYA CANYON DRIVE
STA. 10+00 TO STA. 14+00

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REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: Q1106, EL.: 176.47	SHEET
	DRAWN BY: RN, LM				8
	DESIGNED BY: JM				OF 22 SHEETS
	CHECKED BY:				JOB NO. 0340
	AS BUILT BY:				



CONSTRUCTION NOTES:

- ① INSTALL ROLLED CURB AND GUTTER PER WCD ST-4. (TYP.) SEE DETAIL SHEETS.
- ② INSTALL CATCH BASIN. PER CALAVERAS CO. STDS. SD-301 SEE DETAIL SHEETS.
- ③ INSTALL 1" WATER SERVICE/METER PER WCD STDS. STD. W-4 (TYP.) SEE DETAIL SHEETS.
- ④ INSTALL WATER VALVE PER WCD STDS. STD. W-8 (TYP.) SEE DETAIL SHEETS.
- ⑤ INSTALL FIRE HYDRANT PER WCD STDS. W-6 (TYP.) SEE DETAIL SHEETS. AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1" TOWARD HYDRANT FROM CENTERLINE (TYP.).
- ⑥ FACE OF CURB RADIUS = 30.00'.
- ⑦ INSTALL 4" SEWER SERVICE W/CLEAN OUT PER WCD STDS. SS-1 (TYP.) SEE DETAIL SHEETS.
- ⑧ INSTALL SD MANHOLE PER WCD STDS. SD-304 (TYP.) SEE DETAIL SHEETS.
- ⑨ INSTALL SANITARY SEWER SWEEP
- ⑩ INSTALL SANITARY SEWER LIFT STATION (SEE SHEET 17 FOR DETAIL)
- ⑪ INSTALL 45° FITTING
- ⑫ INSTALL SANITARY SEWER PRESSURE CLEAN OUT (SEE SHEET 19 FOR DETAIL)
- ⑬ INSTALL STORM DRAIN CATCH BASIN (SEE SHEET 19 FOR DETAIL)

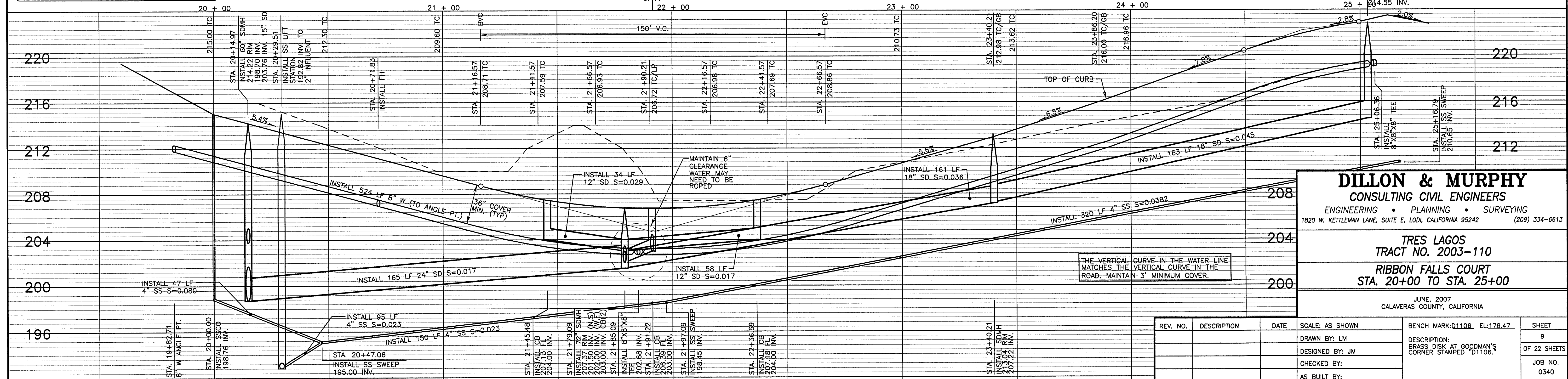
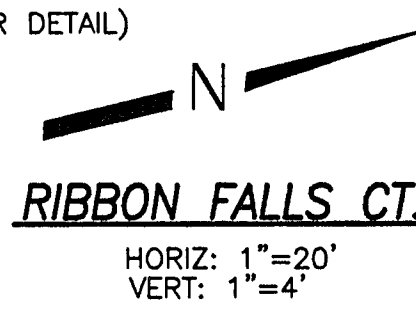
BEFORE YOU DIG

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LEGEND

- AC. ASPHALT CONCRETE
- TC. TOP OF CURB
- W. WATER
- SD. STORM DRAIN
- F.F. FINISH FLOOR
- P.U.E. PUBLIC UTILITY EASEMENT
- STA. STATION
- CL. CENTERLINE
- OG. ORIGINAL GROUND
- HP. HIGH POINT
- LP. LOW POINT
- SSCO. SANITARY SEWER CLEAN OUT
- TC. FINISHED GRADE
- T. TOTAL
- GB. GRADE BREAK
- (TYP.) TYPICAL
- SS. SANITARY SEWER
- IN. INVERT
- CB. CATCH BASIN
- EX. POWER POLE
- PROPOSED STREET LIGHT
- PROPOSED CATCH BASIN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING WATER VALVE
- BLUE REFLECTOR MARKER
- PROPOSED AIR RELEASE VALVE
- PROPOSED BLOW-OFF VALVE

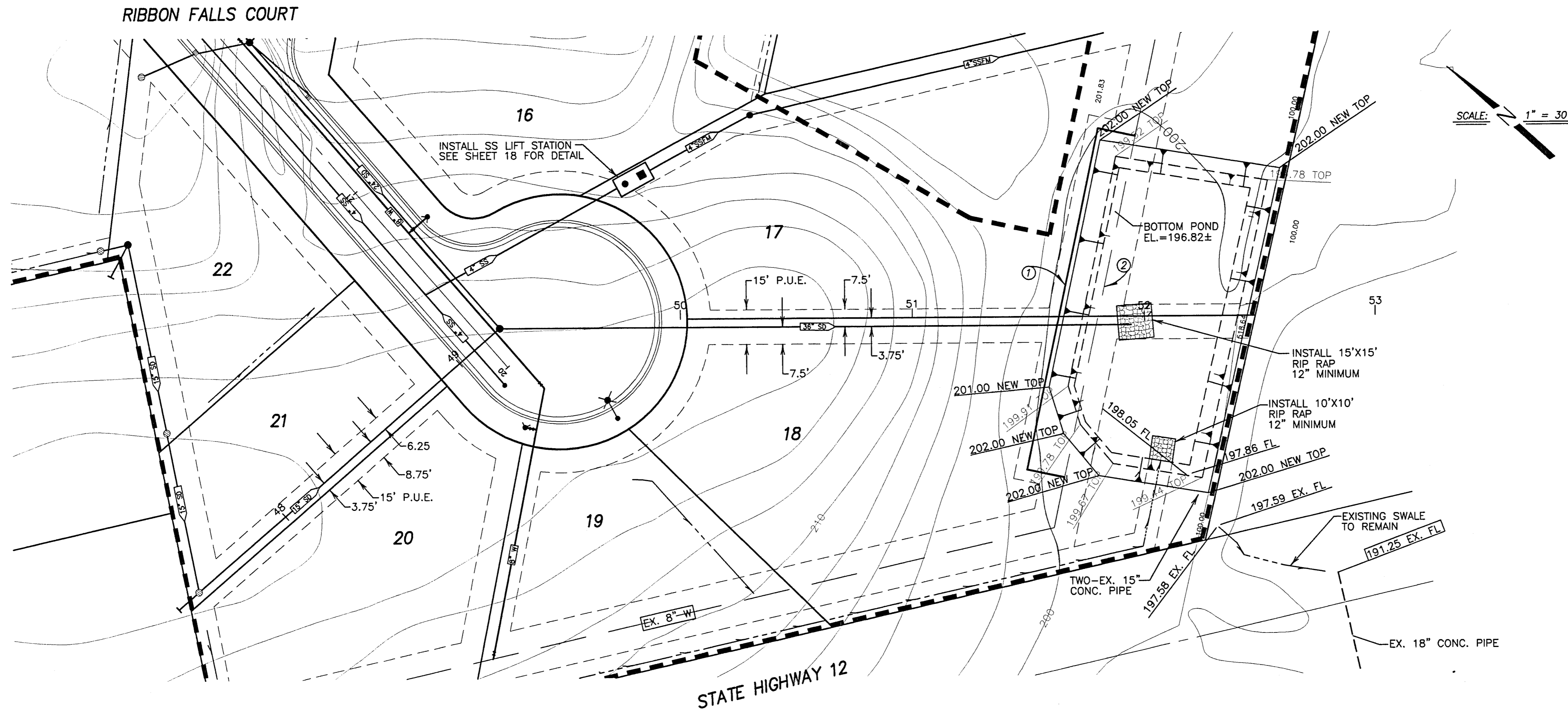


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TRES LAGOS
TRACT NO. 2003-110
RIBBON FALLS COURT
STA. 20+00 TO STA. 25+00

JUNE, 2007
CALAVERAS COUNTY, CALIFORNIA

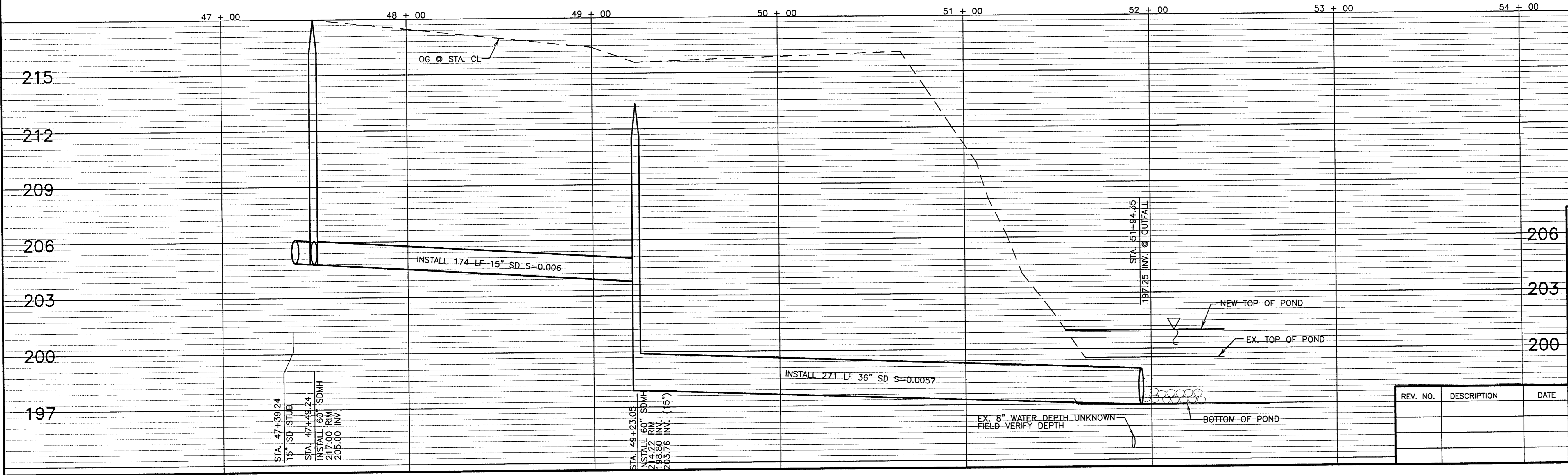
REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: Q1106 EL: 176.47	SHEET
			DRAWN BY: LM		9
			DESIGNED BY: JM	DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	OF 22 SHEETS
			CHECKED BY:		JOB NO. 0340
			AS BUILT BY:		0340



- CONSTRUCTION NOTES**
- ① INSTALL 183 LF 8" WATER
 - ② ABANDONED 150 LF 8" WATER
- LEGEND**
- AC. ASPHALT CONCRETE
 - TC. TOP OF CURB
 - W. WATER
 - SD. STORM DRAIN
 - E/P. EDGE OF PAVEMENT
 - P.U.E. PUBLIC UTILITY EASEMENT
 - STA. STATION
 - CL. CENTERLINE
 - EX. EXISTING
 - OG. ORIGINAL GROUND
 - HP. HIGH POINT
 - LP. LOW POINT
 - SSCO. SANITARY SEWER CLEAN OUT
 - FG. FINISHED GRADE
 - (T). TOTAL
 - GB. GRADE BREAK
 - (TYP.) TYPICAL
 - SS. SANITARY SEWER
 - INV. INVERT
 - ②. SEE CONSTRUCTION NOTES
 - EX. POWER POLE
 - PROPOSED STREET LIGHT
 - PROPOSED CATCH BASIN
 - PROPOSED FIRE HYDRANT
 - PROPOSED WATER VALVE
 - EXISTING WATER VALVE
 - BLUE REFLECTOR MARKER
 - PROPOSED AIR RELEASE VALVE
 - PROPOSED TEMPORARY BLOW OFF
 - 201.00 NEW TOP NEW TOP OF POND GRADE
 - 199.78 TOP EX. TOP OF POND GRADE
 - 191.25 EX. SPOT ELEVATION

BEFORE YOU DIG
 CALL USA UNDERGROUND SERVICE ALERT
 48 HOURS PRIOR TO CONSTRUCTION. CALL
 TOLL FREE 1-800-227-2600
 KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND
 PEOPLE 10 FEET FROM POWER LINES. IF YOU
 MUST WORK WITHIN 10 FEET OF POWER LINES
 PLEASE CALL PG&E @ 800-743-5000

UTILITY EASEMENT
 HORIZ: 1"=30'
 VERT: 1"=3'



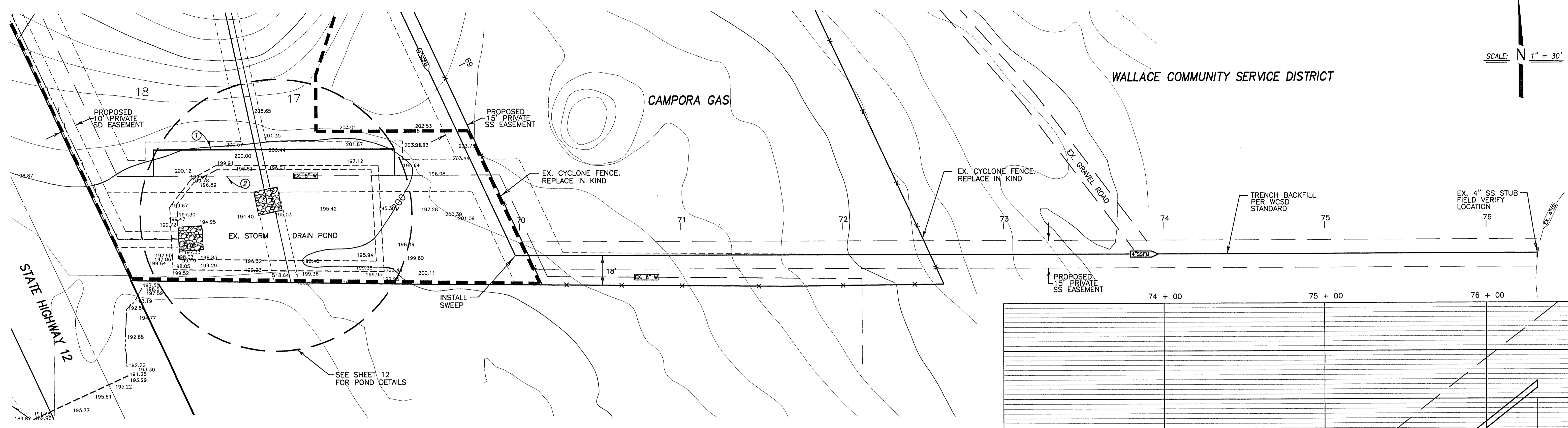
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TRES LAGOS
 TRACT NO. 2003-110
 UTILITY EASEMENT
 STA. 47+00 TO STA. 53+00

JUNE, 2007
 CALAVERAS COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: D1106. EL: 176.47	SHEET
	DRAWN BY: RN			DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	12
	DESIGNED BY: JM				OF 22 SHEETS
	CHECKED BY:				JOB NO.
	AS BUILT BY:				0340

SCALE: 1" = 30'



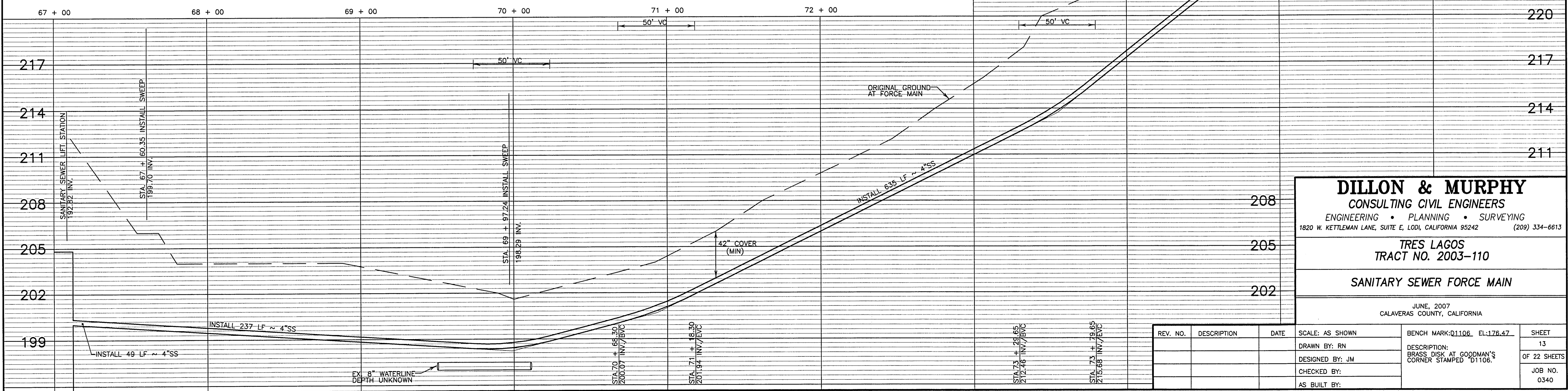
CONSTRUCTION NOTES

- ① INSTALL 183 LF 8" WATER
- ② ABANDONED 150 LF 8" WATER

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SANITARY SEWER FORCE MAIN

HORIZ: 1"=30'
 VERT: 1"=3'



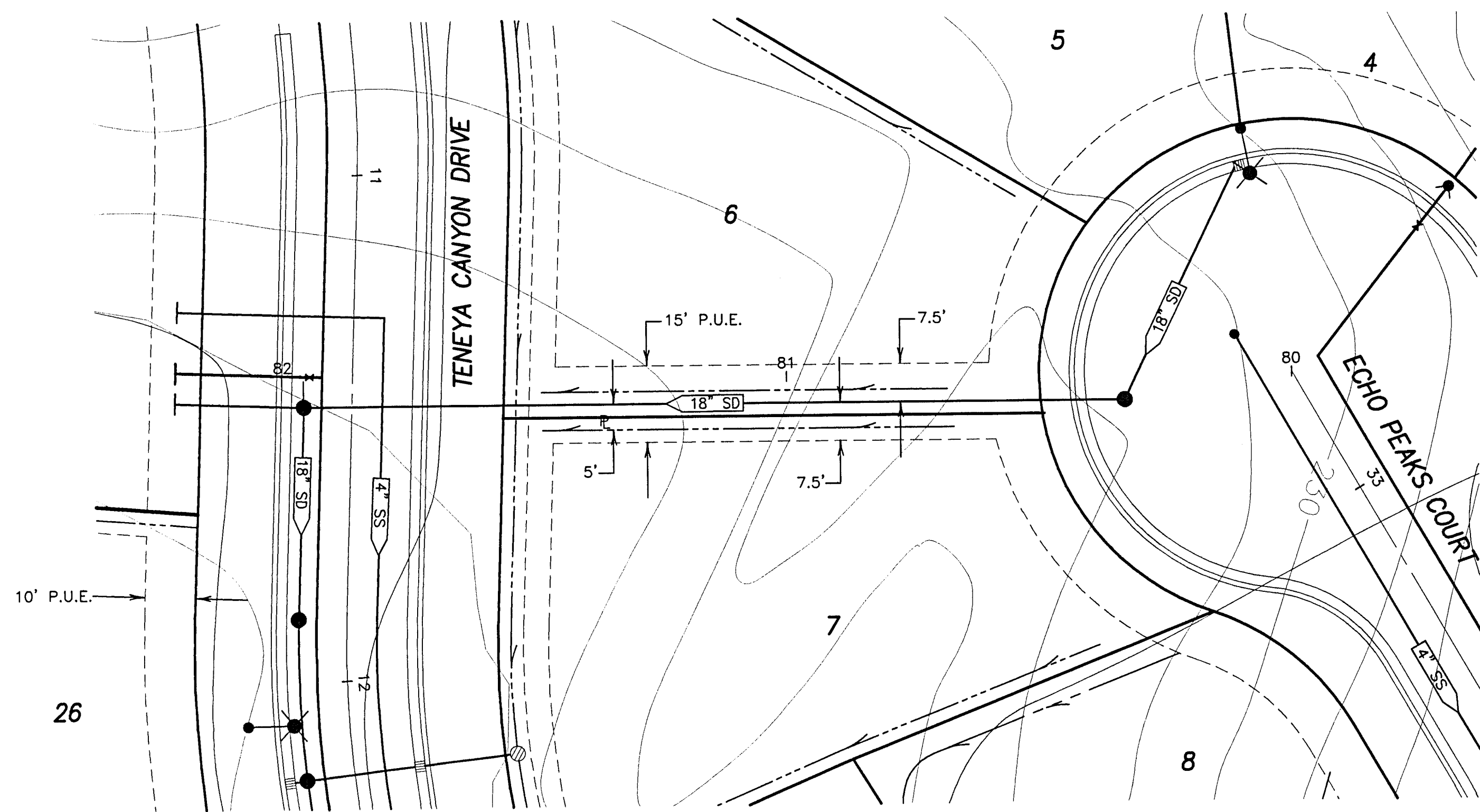
STA. 76 + 34.76 + MATCH EX. 4"SS
 REMOVE EXISTING 4"x4"x4" TEE
 235.57 INV.

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TRES LAGOS
 TRACT NO. 2003-110

SANITARY SEWER FORCE MAIN

REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: Q1106 EL: 128.47	SHEET 13 OF 22 SHEETS
			DRAWN BY: RN	DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	JOB NO. 0340
			DESIGNED BY: JM		
			CHECKED BY:		
			AS BUILT BY:		

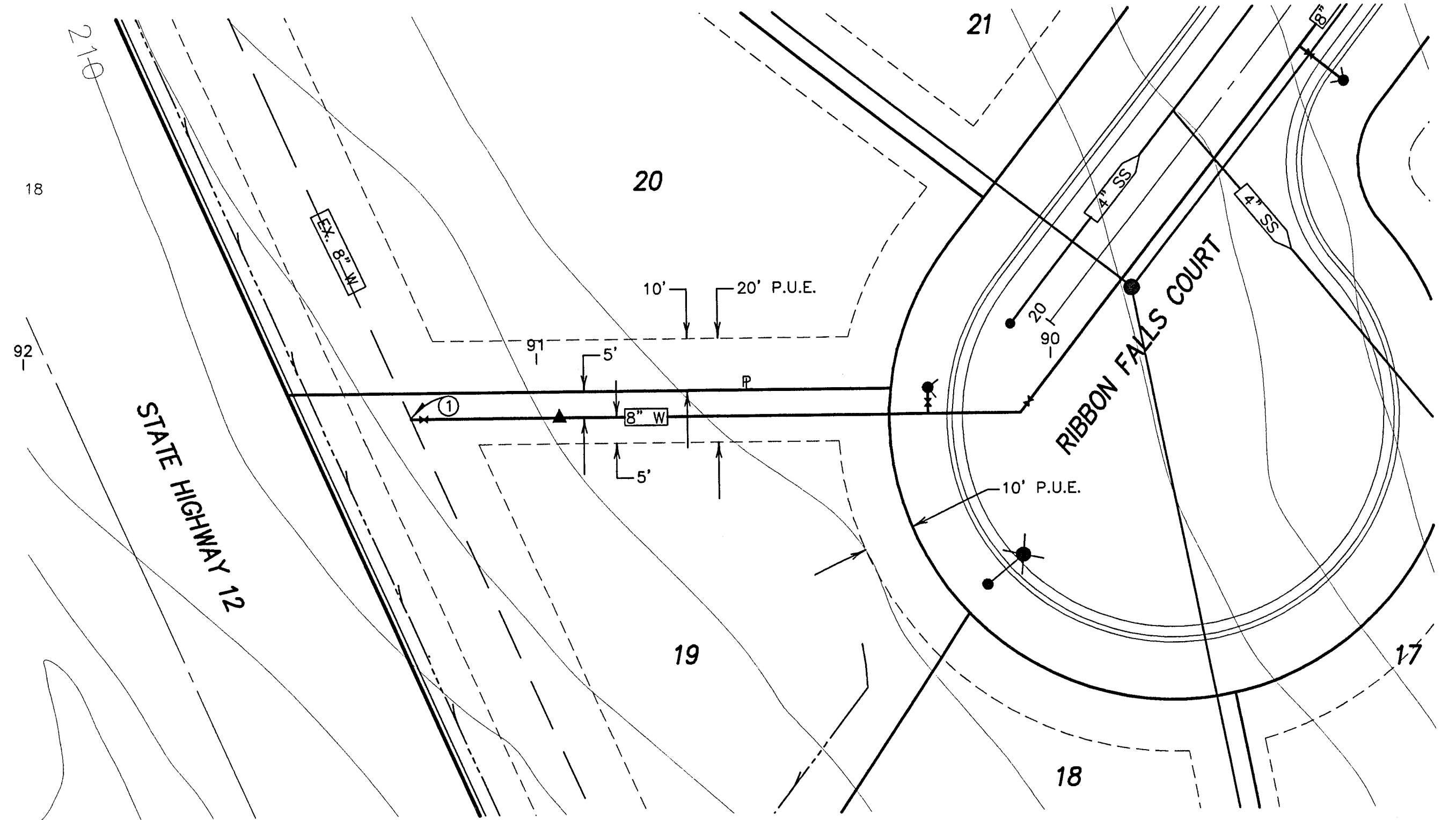


LEGEND

- | | | | | | |
|--------|-------------------------|----------------|--------------------------|---|----------------------------|
| AC. | ASPHALT CONCRETE | HP | HIGH POINT | ■ | PROPOSED CATCH BASIN |
| TC. | TOP OF CURB | L ⁵ | LOW POINT | ● | PROPOSED FIRE HYDRANT |
| W | WATER | SSCO | SANITARY SEWER CLEAN OUT | ○ | PROPOSED WATER VALVE |
| SD | STORM DRAIN | FG | FINISHED GRADE | — | EXISTING WATER VALVE |
| E/P | EDGE OF PAVEMENT | (TYP.) | TOTAL | — | BLUE REFLECTOR MARKER |
| F.F. | FINISH FLOOR | GB | GRADE BREAK | — | PROPOSED AIR RELEASE VALVE |
| P.U.E. | PUBLIC UTILITY EASEMENT | SS | SANITARY SEWER | — | EX. POWER POLE |
| STA. | STATION | INV | INVERT | ○ | PROPOSED STREET LIGHT |
| CL | CENTERLINE | ② | SEE CONSTRUCTION NOTES | — | |
| EX | EXISTING | | | | |
| OG | ORIGINAL GROUND | | | | |
| P | PROPERTY LINE | | | | |

15' STORM DRAIN EASEMENT

HORIZ: 1"=20'
VERT: 1"=4'

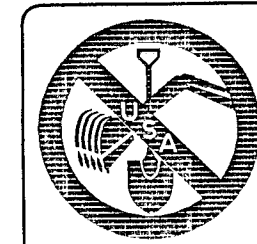


20' WATER EASEMENT

HORIZ: 1"=20'
VERT: 1"=4'

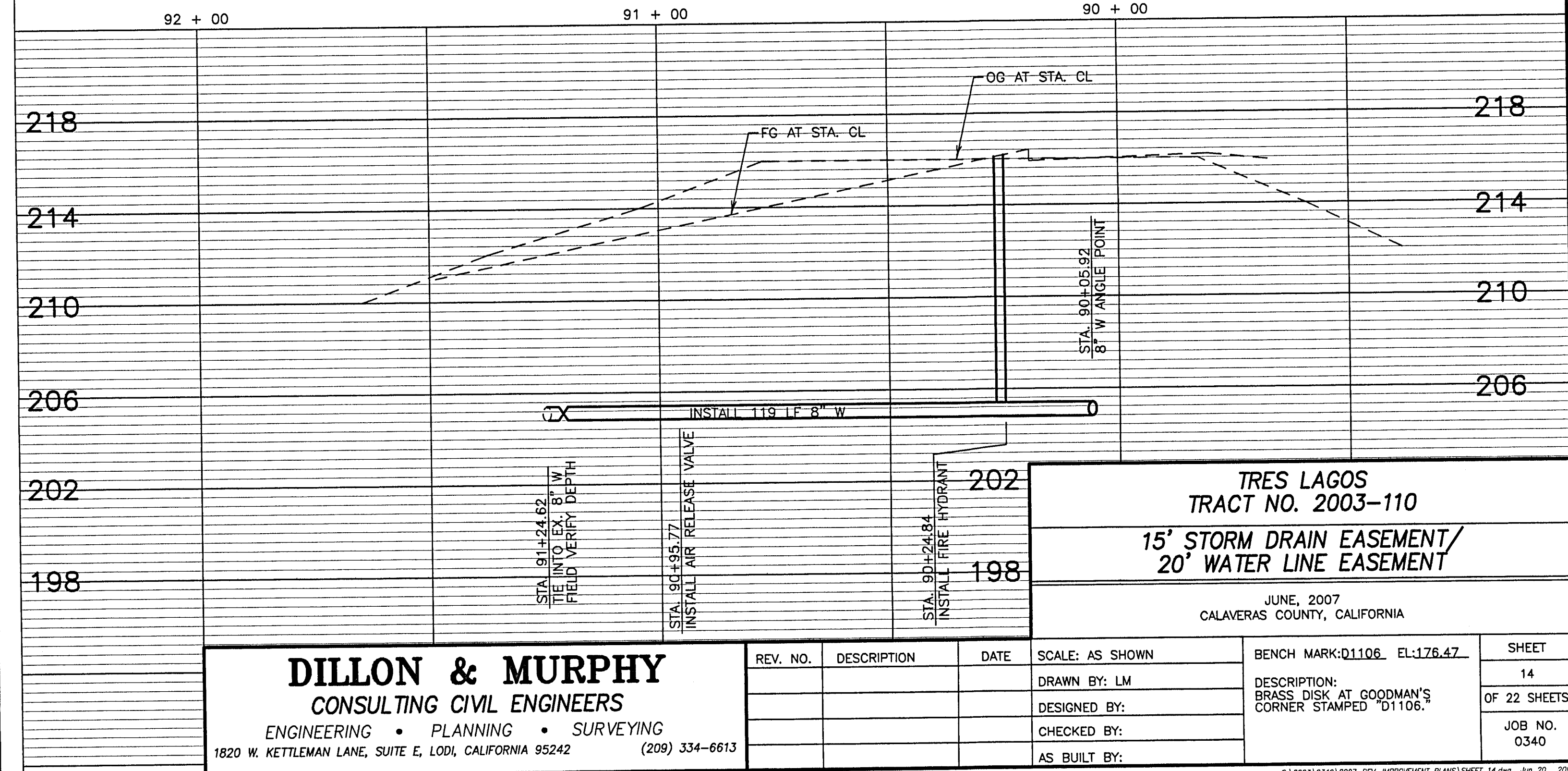
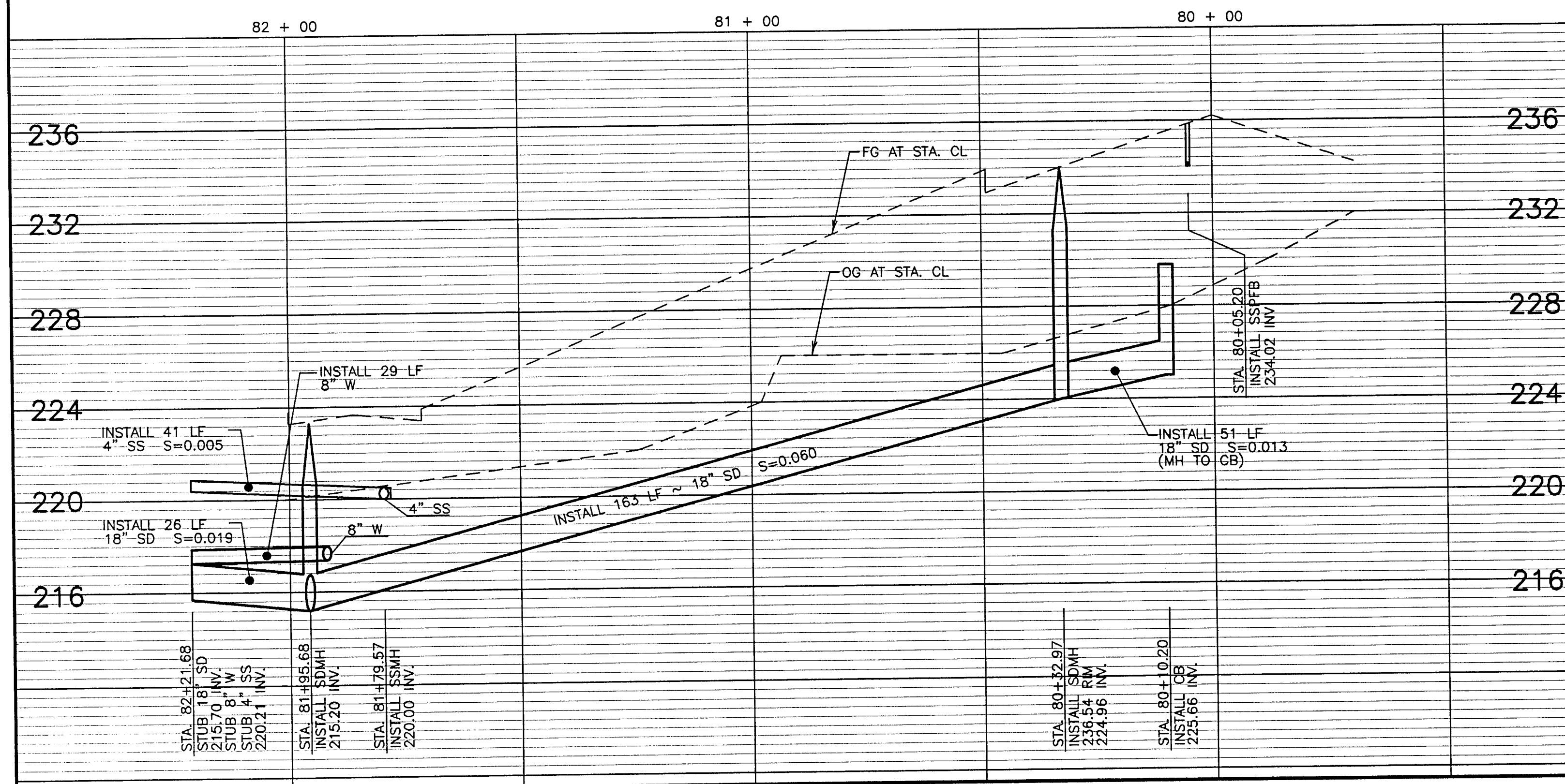
CONSTRUCTION NOTES:

- ① TIE INTO EXISTING 8" WATER LINE.



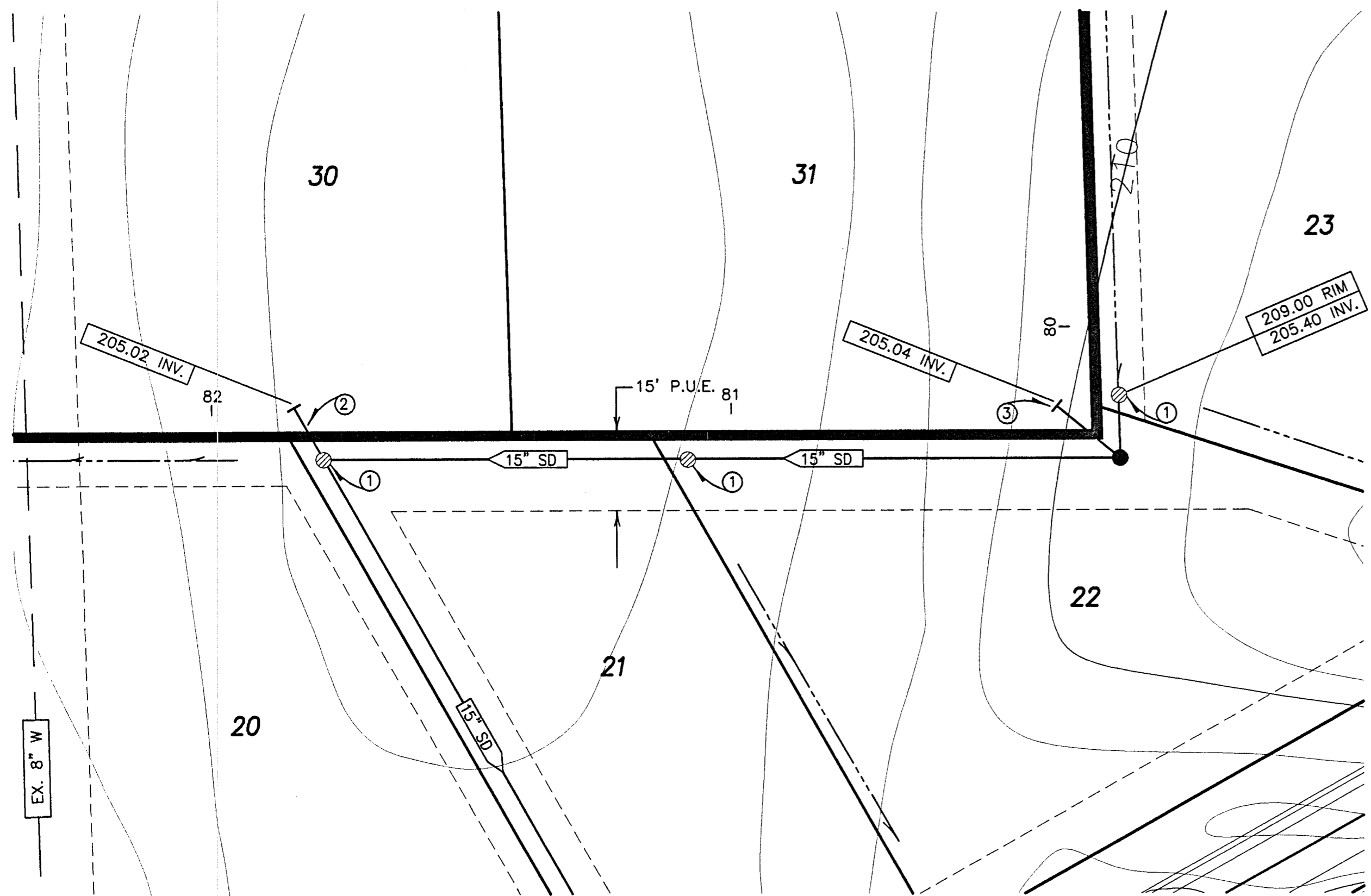
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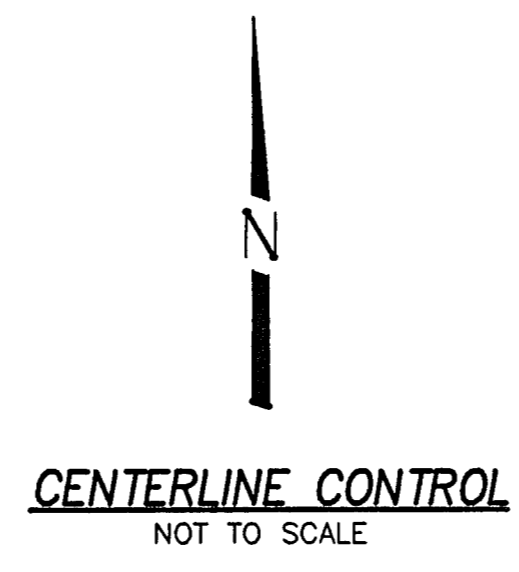
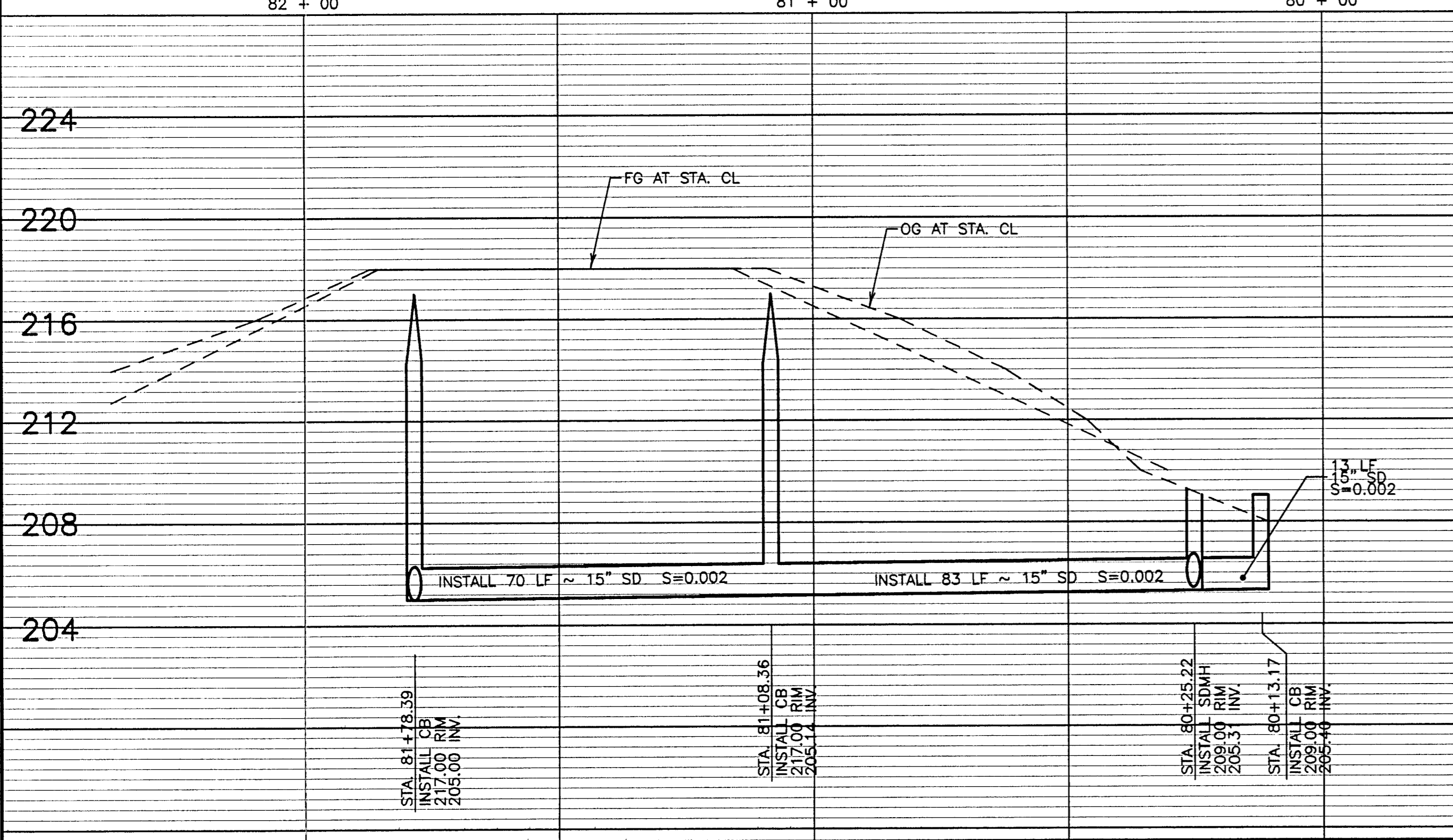


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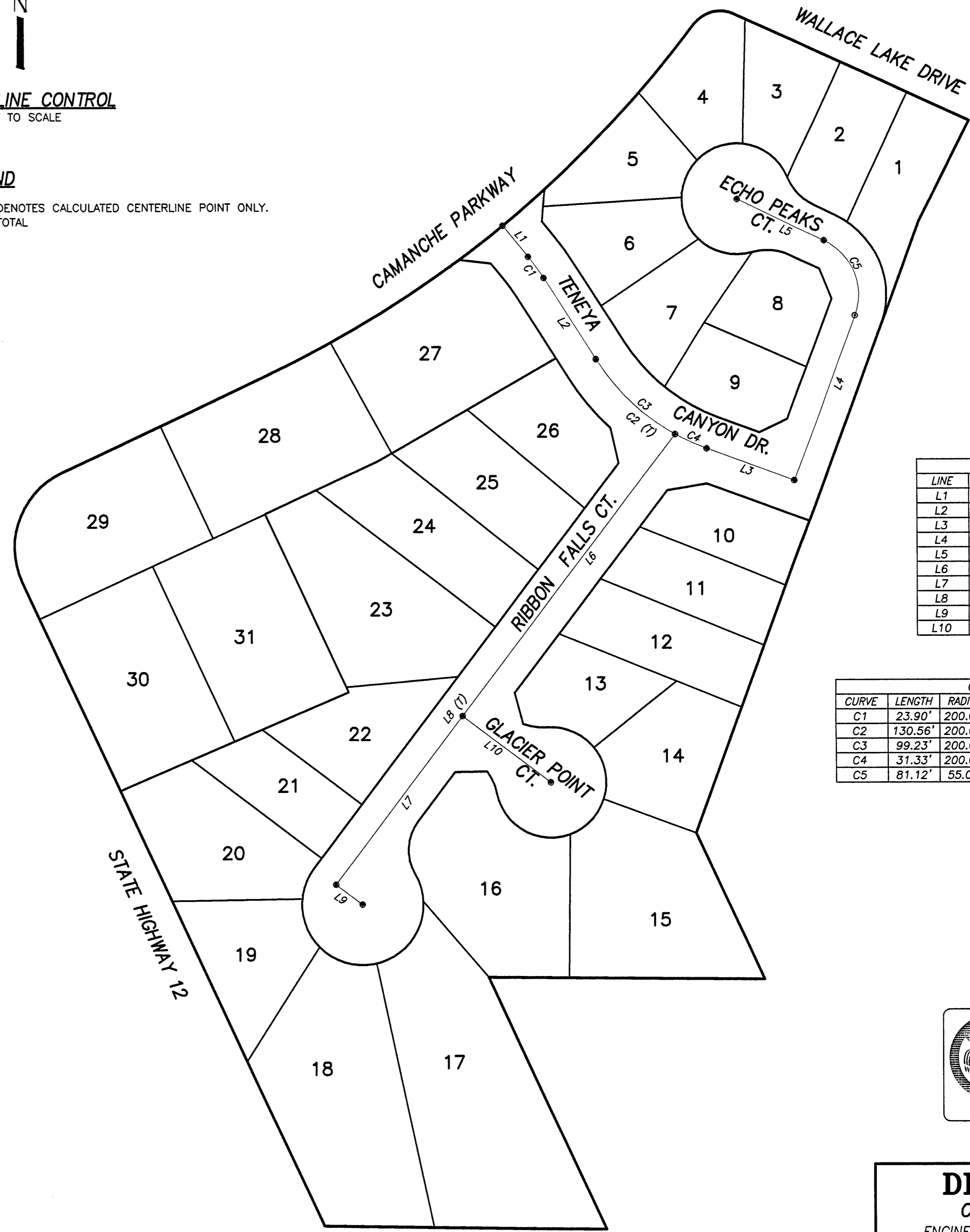
REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: Q1106 EL: 126.47	SHEET
			DRAWN BY: LM	DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	14
			DESIGNED BY:		OF 22 SHEETS
			CHECKED BY:		JOB NO. 0340
			AS BUILT BY:		



- LEGEND**
- | | | |
|--------------------------------|-------------------------------|-------------------------------------|
| AC. ASPHALT CONCRETE | HP HIGH POINT | ▣ PROPOSED CATCH BASIN |
| TC. TOP OF CURB | LP LOW POINT | ▣ PROPOSED FIRE HYDRANT |
| W. WATER | SSCO SANITARY SEWER CLEAN OUT | ▣ PROPOSED WATER VALVE |
| SD STORM DRAIN | FG FINISHED GRADE | ▣ EXISTING WATER VALVE |
| E/P. EDGE OF PAVEMENT | (T) TOTAL | ▣ BLUE REFLECTOR MARKER |
| F.F. FINISH FLOOR | GB GRADE BREAK | ▣ PROPOSED AIR RELEASE VALVE |
| P.U.E. PUBLIC UTILITY EASEMENT | (TYP.) TYPICAL | ▣ VALVE |
| STA. STATION | SS SANITARY SEWER | ▣ PROPOSED TEMPORARY BLOW-OFF VALVE |
| CL CENTERLINE | INV INVERT | ▣ AIR RELEASE VALVE |
| EX EXISTING | ② SEE CONSTRUCTION NOTES | ▣ EX. POWER POLE |
| OG ORIGINAL GROUND | | ▣ PROPOSED STREET LIGHT |
- CONSTRUCTION NOTES:**
- INSTALL STORM DRAIN CATCH BASIN (SEE SHEET 19 FOR DETAIL)
 - INSTALL STORM DRAIN STUB 12 LF 15" SD S=0.002
 - INSTALL STORM DRAIN STUB 16 LF 15" SD S=0.002



- LEGEND**
- DENOTES CALCULATED CENTERLINE POINT ONLY.
 - (T) TOTAL



LINE	LENGTH	BEARING
L1	36.40'	S39°19'27"E
L2	87.85'	S32°28'42"E
L3	85.00'	S69°52'52"E
L4	158.36'	N20°07'08"E
L5	86.96'	N64°22'55"W
L6	320.42'	S37°05'31"W
L7	191.09'	S37°05'31"W
L8	511.51'	S37°05'31"W
L9	30.00'	N52°54'29"W
L10	100.00'	N52°54'29"W

CURVE	LENGTH	RADIUS	DELTA	CHORD
C1	23.90'	200.00'	6°50'44"	S35°54'05"E 23.88'
C2	130.56'	200.00'	37°24'10"	N51°10'47"W 128.25'
C3	99.23'	200.00'	28°25'42"	S46°41'34"E 98.22'
C4	31.33'	200.00'	8°58'27"	N65°23'38"W 31.29'
C5	81.12'	55.00'	84°30'04"	N22°07'53"W 73.96'

BEFORE YOU DIG

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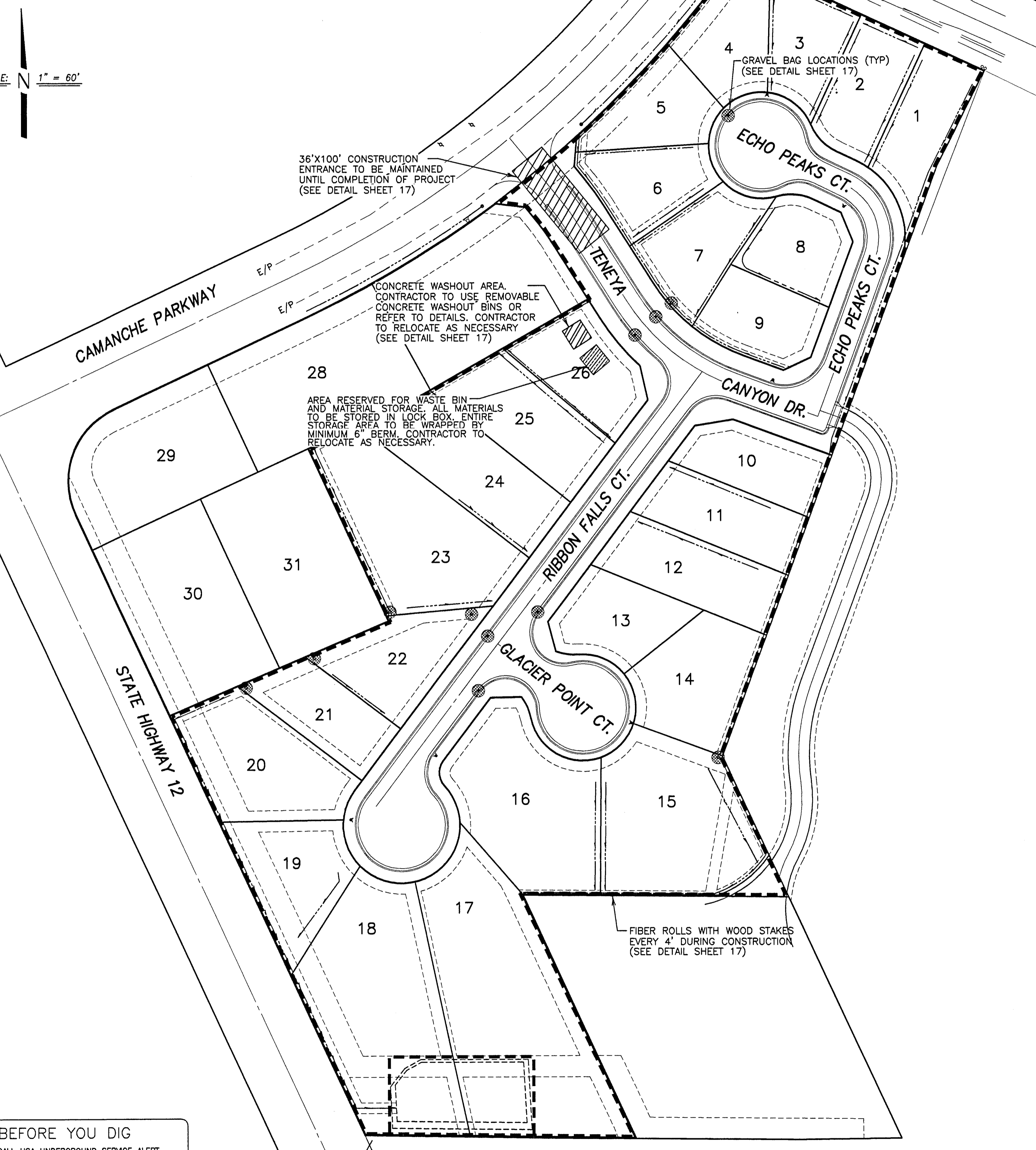
TRES LAGOS
TRACT NO. 2003-110

15' STORM DRAIN EASEMENT/
CENTERLINE CONTROL

JUNE, 2007
CALAVERAS COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: Q1106, EL: 176.47	SHEET
			DRAWN BY: LM	DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	15
			DESIGNED BY:		OF 22 SHEETS
			CHECKED BY:		JOB NO. 0340
			AS BUILT BY:		

SCALE: N 1" = 60'



36'x100' CONSTRUCTION ENTRANCE TO BE MAINTAINED UNTIL COMPLETION OF PROJECT (SEE DETAIL SHEET 17)

CONCRETE WASHOUT AREA. CONTRACTOR TO USE REMOVABLE CONCRETE WASHOUT BINS OR REFER TO DETAILS. CONTRACTOR TO RELOCATE AS NECESSARY (SEE DETAIL SHEET 17)

AREA RESERVED FOR WASTE BIN AND MATERIAL STORAGE. ALL MATERIALS TO BE STORED IN LOCK BOX. ENTIRE STORAGE AREA TO BE WRAPPED BY MINIMUM 6" BERM. CONTRACTOR TO RELOCATE AS NECESSARY.

FIBER ROLLS WITH WOOD STAKES EVERY 4' DURING CONSTRUCTION (SEE DETAIL SHEET 17)

EROSION CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED DURING CONSTRUCTION BY THE CONTRACTOR PER THE EROSION AND SEDIMENT CONTROL STANDARDS AND SPECIFICATIONS LATEST REVISION.
2. CONTRACTOR TO COMPLY WITH CLEARING AND DUST CONTROL NOTES FOUND ON THIS SHEET.
3. INLET FILTERS SHALL BE PLACED AROUND ALL DRAIN INLETS WHICH COULD RECEIVE DRAINAGE IN UNPAVED AND PAVED AREAS DURING THE WET SEASON (OCTOBER 1 TO APRIL 15).
4. STORM DRAIN INLET FILTERS SHALL BE PLACED ON ALL DRAIN INLETS AFTER COMPLETION OF PAVING AND SHALL REMAIN IN PLACE ON A YEAR ROUND BASIS. FILTERS SHALL BE REMOVED BY THE CONTRACTOR UPON ACCEPTANCE OF DEVELOPMENT IMPROVEMENTS.
5. THE FIRST 18' BEHIND THE SIDEWALK ON LOT FRONT YARDS, THE FIRST 7.5' BEHIND THE SIDEWALK ON STREET SIDE YARDS AND ALL SLOPES STEEPER THAN 10:1 SHALL BE HYDROSEEDED WITH AN APPROVED SEED MIXTURE AFTER COMPLETION OF CURB, GUTTER, AND SIDEWALK AND JUST PRIOR TO RAINY SEASON TO ALLOW MAXIMUM GROWTH OF HYDROSEEDED AREA.
6. CONTRACTOR TO REMOVE ANY SEDIMENTATION DEPOSITED ON EXISTING PAVED ROADWAYS PRIOR TO LEAVING THE SITE, IF POSSIBLE, AND IN ALL CASES WITHIN 24 HOURS.
7. CONTRACTOR TO COMPLY WITH ALL NOTES AS FOUND ON GRADING PLAN AND NOTE 6 ABOVE.
8. CONTRACTOR TO LIMIT ACCESS TO SITE TO ONE MAIN LOCATION AND PROVIDE A 36' WIDE BY 100' LONG AGGREGATE ENTRY ADJACENT TO EXISTING PAVED ROADWAY. AGGREGATE IS TO BE 3" TO 4" MINIMUM AND 6" THICK. CONSTRUCTION SITE ACCESS TO BE INSPECTED WEEKLY AND MAINTAINED WEEKLY. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EXISTING PAVED ROADWAY AT THE ENTRY CLEAR OF SOILS, CONSTRUCTION MACHINERY AND CONSTRUCTION EQUIPMENT UNLESS APPROVED BY THE DISTRICT INSPECTOR.
9. CONTRACTOR TO MAINTAIN STREET FRONTAGE SWALES, AS NECESSARY, BY REMOVING ACCUMULATED SILT TO MAINTAIN A 4" MIN. DEPTH BELOW BACK OF WALK ELEVATION.
10. INSTALL 9" DIAMETER STRAW WATTLES ALONG ALL BACK OF WALKS AND BACK OF CURBS AND ALONG SITE BOUNDARY.
11. CONTRACTOR TO INSTALL AND MAINTAIN CATCH BASIN FILTER SCREENS AT ALL CATCH BASIN INLETS SHOWN. FILTER SCREENS SHALL BECOME THE PROPERTY OF THE DEVELOPER UPON ACCEPTANCE OF THE SUBDIVISION IMPROVEMENTS BY THE CALAVERAS COUNTY.
12. PRIOR TO OCTOBER 1ST, (OR THREAT OF MAJOR RAIN PRIOR TO THAT DATE), CONTRACTOR SHALL PLACE "ROCK BAGS" (12"x18"± AND 15 LBS. OF 1" MAX. ROCK) IN GUTTER PANS AT 200'-300' INTERVALS TO ISOLATE ANY SEDIMENT. SEDIMENT TO BE REMOVED WEEKLY (OR SOONER, IF A LARGE ACCUMULATION OCCURS OR ANOTHER STORM IS PREDICTED).
13. CONTRACTOR TO INSPECT SITE AFTER FIRST SIGNIFICANT RAINFALL AND MAINTAIN "STRAW WATTLES", WHERE NECESSARY AND REMOVE ACCUMULATED SILT ALONG BACK OF WALK AT LOCATIONS WHERE EROSION HAS OCCURRED AND SEDIMENT HAS GATHERED.
14. ALL IMPLEMENTED MEASURES SHALL BE MAINTAINED WEEKLY (OR SOONER, DEPENDING ON NEED) THROUGHOUT THE RAINY SEASON (OCTOBER 1ST. THRU APRIL 15TH).
15. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) TO BE KEPT ON SITE AT ALL TIME.
16. BEST MANAGEMENT PRACTICES (BMP'S) SHOWN HERE ARE MINIMUM REQUIREMENTS FOR SATISFACTION OF THE NPDES SWPPP MANAGEMENT PLAN.
17. INTENTIONALLY LEFT BLANK.
18. CONTRACTOR TO GRADE AREA FOR WORKERS VEHICLES. WATER AT LEAST DAILY TO RETARD DUST OR TAKE MORE EXTENSIVE MEASURES AS NECESSARY.
19. TRASH COLLECTION AREA SHALL BE INSTALLED AND FENCED AS NECESSARY TO STORE ALL DEBRIS AND SECURE THE DEBRIS FROM BEING MOVED BY WIND.
20. PORTABLE RESTROOMS SHALL NOT BE LOCATED CLOSER THAN 50' FROM CATCH BASINS.

STORM WATER POLLUTION PREVENTION PLAN

WITH THE EXCEPTION OF PROPERLY DESIATED WATER FROM SITE DEWATERING, THE CONTRACTOR SHALL NOT DISCHARGE ANY MATERIALS AN/OR LIQUIDS TO THE STORM DRAINAGE SYSTEM. ACTIVITIES OF PARTICULAR CONCERN ARE:

- A. CONTRACTOR SHALL DESIGNATE A CONCRETE TRUCK CLEAN-OUT AREA. COUNTY INSPECTOR APPROVED BEST MANAGEMENT PRACTICES SHALL AT ALL TIMES BE FULLY IMPLEMENTED AT AND AROUND THE CLEAN-OUT AREA.
- B. TACK COAT AND PRIME COAT ASPHALTS SHALL BE CAREFULLY SPRAYED AND ANY EXCESS MATERIAL SPILLED SHALL BE CLEANED UP IMMEDIATELY BY PROPER METHODS.
- C. ALL EQUIPMENT REFUELING IN THE PROJECT AREA SHALL BE CAREFULLY DONE TO AVOID SPILLAGE. ANY SPILLS SHALL BE CONTAINED AND CLEANED UP IMMEDIATELY IN ACCORDANCE WITH STATE AND LOCAL REQUIREMENTS. ALL FUELING VEHICLES SHALL BE EQUIPPED WITH SPILL CLEANUP MATERIALS AND EQUIPMENT.
- D. CONTRACTOR SHALL CONTROL AND PROPERLY DISPOSE OF ALL LIQUIDS DURING SAWCUTTING ACTIVITIES.

GENERAL

1. A CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE CONSTRUCTION ENTRANCE.
2. CHANGES TO THIS EROSION CONTROL PLAN TO MEET FIELD CONDITIONS SHALL BE MADE ONLY WITH APPROVAL OF, OR AT THE DIRECTION OF THE DISTRICT ENGINEER. DURING THE RAINY SEASON, PUBLIC ROADWAYS SHALL BE KEPT CLEAR OF EARTH MATERIAL AND DEBRIS. THE SITE SHALL BE MAINTAINED SO THAT A MINIMUM OF SEDIMENT LADEN RUNOFF ENTERS THE STORM DRAINAGE SYSTEM AND PUBLIC ROADWAY. THIS PLAN COVERS ONLY THE FIRST WINTER FOLLOWING GRADING. PLANS SHALL BE RESUBMITTED FOR APPROVAL PRIOR TO SEPTEMBER 1ST OF EACH SUBSEQUENT YEAR UNTIL THE PROPOSED IMPROVEMENTS ARE COMPLETED.
3. CONTROL MEASURES SHALL BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY AND, IN ADDITION, AFTER EACH STORM.

DUST CONTROL NOTES:

1. DUST CONTROL IS THE CONTRACTORS SOLE RESPONSIBILITY WHEN WORKING ON-SITE. THE WORK SHOWN ON THIS SHEET SHALL BE INCLUDED IN THE BID. THE CONTRACTOR SHALL ALSO WATER THE SITE AS AN EXTRA, WHEN REQUESTED BY THE COUNTY OR THE OWNER.
2. ALL MOTORS SHALL BE KEPT PROPERLY TUNED AND MAINTAINED.
3. EARTH MOVING ACTIVITIES SHALL CEASE IF WIND EXCEEDS 20 MPH AVERAGE OVER ONE HOUR.
4. ON-SITE VEHICLE SPEEDS SHALL BE LIMITED TO 15 MPH.
5. ALL OPERATIONS SHALL COMPLY WITH THE REQUIREMENTS OF THE CALAVERAS COUNTY UNIFIED AIR POLLUTION CONTROL DISTRICT.
6. ALL AREAS WITH VEHICLE TRAFFIC SHOULD BE WATERED PERIODICALLY FOR STABILIZATION OF DUST EMISSIONS.
7. STREETS ADJACENT TO THE PROJECT SITE SHOULD BE SWEEPED AS NEEDED TO REMOVE SILT WHICH MAY HAVE ACCUMULATED FROM CONSTRUCTION ACTIVITIES.
8. THE AREA DISTURBED BY CLEARING, EARTH MOVING OR EXCAVATION ACTIVITIES SHOULD BE MINIMIZED AT ALL TIMES.
9. ALL MATERIAL TRANSPORTED ON OR OFF-SITE SHALL EITHER BE SUFFICIENTLY WATERED OR SECURELY COVERED TO PREVENT EXCESSIVE AMOUNTS OF DUST.
10. WHEN CONDITIONS ARE DRY, ALL MATERIAL EXCAVATED OR GRADED SHOULD BE SUFFICIENTLY WATERED TO PREVENT EXCESSIVE AMOUNTS OF DUST. WATERING SHOULD OCCUR AT LEAST TWICE A DAY WITH COMPLETE COVERAGE, PREFERABLY IN THE LATE MORNING AND AFTER WORK IS COMPLETED FOR THE DAY.

CLEARING AND GRADING NOTES:

1. ALL SITE VEGETATION, EXISTING TREES, STUMPS AND ETC. SHALL BE REMOVED INCLUDING ROOTS AND HAULED FROM THE SITE.
2. GRADING OPERATIONS SHALL COMPLY WITH THE RECOMMENDATIONS CONTAINED IN THE SOILS REPORT FOR THIS PROJECT BY: KLEINFELDER, INC. AND WITH THE DUST CONTROL REQUIREMENTS GIVEN BELOW. BUILDING PADS SHALL BE COMPACTED TO 90% R.C. MINIMUM.
3. CONTRACTOR SHALL REMOVE ANY IRRIGATION LINES ENCOUNTERED. PROBABLE LOCATION IS SHOWN.
4. NO WELLS, SEPTIC TANKS OR OTHER UNDERGROUND TANKS ARE KNOWN TO EXIST ON THE SITE.
5. EXISTING WELLS TO BE ABANDONED PER WCSO STANDARDS. CONTRACTOR IS TO REMOVE ADJACENT FACILITIES.

W.D.I.D # _____

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IMPROVEMENT PLANS FOR TRACT NO. 2003-110
TRES LAGOS

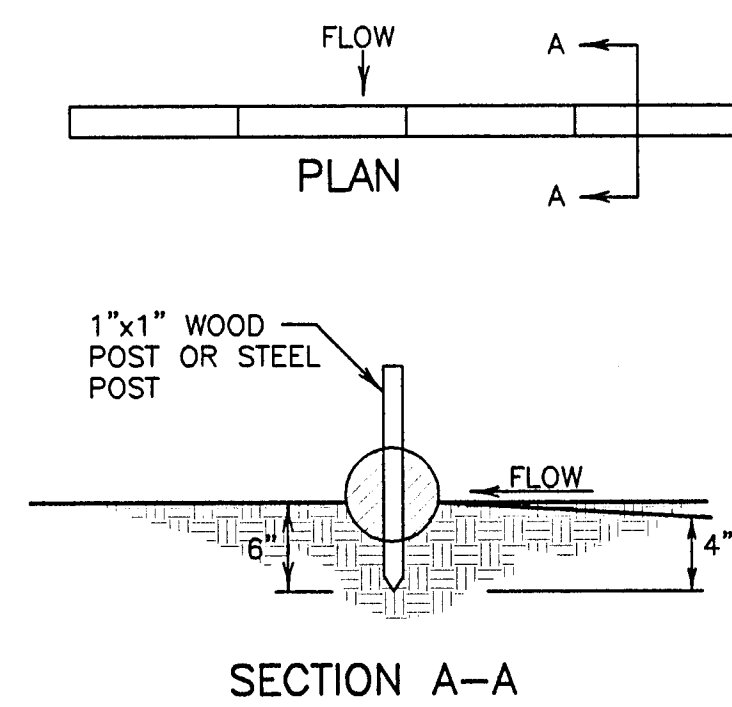
EROSION AND SEDIMENT CONTROL PLAN
AND NOTES

JUNE, 2007
CALAVERAS COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: D1106 EL: 176.47	SHEET
			DRAWN BY: LM	DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	16
			DESIGNED BY: JM		OF 22 SHEETS
			CHECKED BY:		JOB NO. 0340
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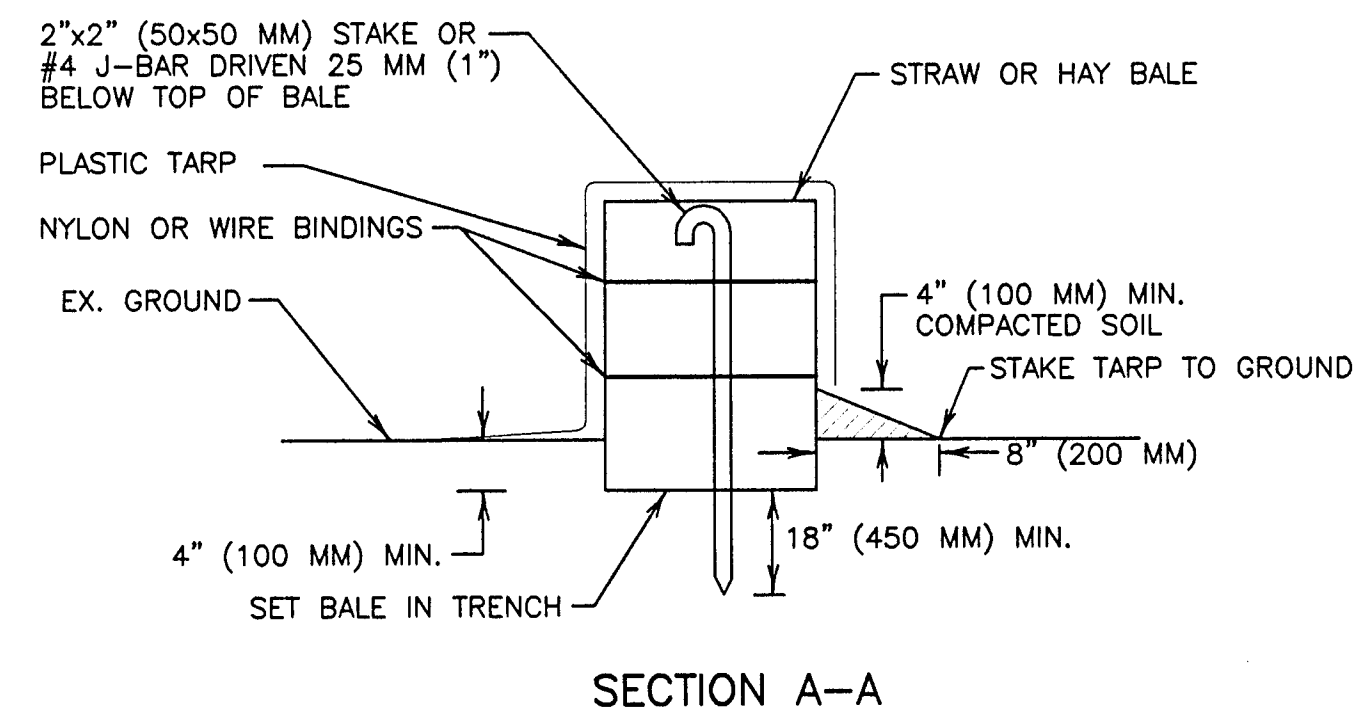
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PEOPLE 10 FEET FROM POWER LINES. IF YOU
MUST WORK WITHIN 10 FEET OF POWER LINES
PLEASE CALL PG&E @ 800-743-5000



TYPICAL FIBER ROLL DETAIL
NOT TO SCALE

NOTES:

1. FILTER ROLLS SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATCH.
2. SUPPORT POSTS SHALL BE A MINIMUM 24" LONG 1"x1" WOOD POSTS DRIVEN A MINIMUM OF 6" INTO THE GROUND. POSTS SHALL BE SPACED A MAXIMUM OF 4 FEET APART.
3. FILTER ROLL SHALL BE IMBEDDED A MINIMUM OF 3" INTO EXISTING GROUND.
4. CONTRACTOR SHALL MAKE INSPECTIONS WEEKLY DURING THE WET SEASON, MONTHLY DURING THE DRY SEASON, AND IMMEDIATELY AFTER EACH RAINFALL TO DETERMINE IF REPAIRS AND SEDIMENT REMOVAL IS REQUIRED. SEDIMENT SHALL BE REMOVED BEFORE IT HAS REACHED ONE HALF THE HEIGHT OF THE FILTER ROLL.

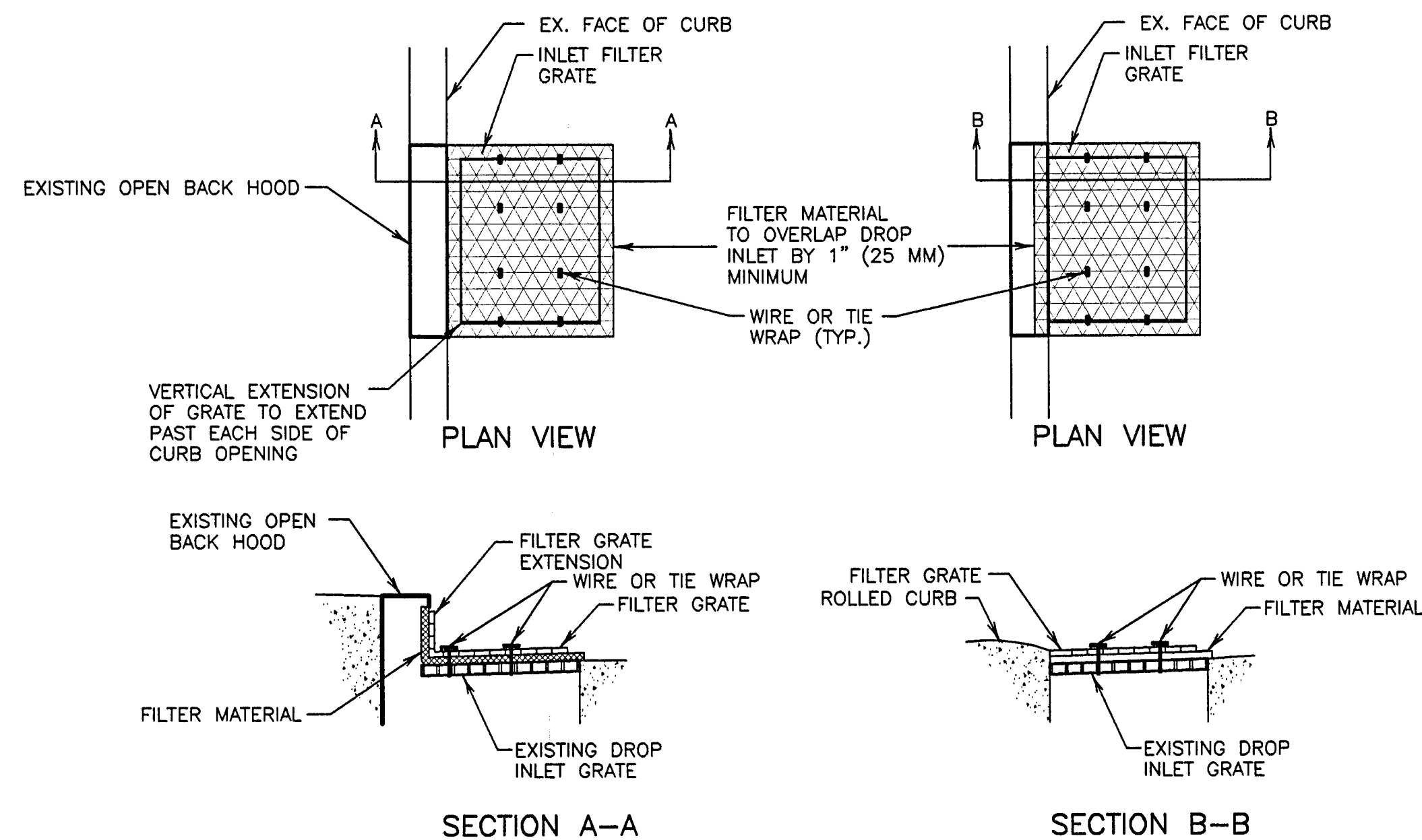


STRAW BALE ALIGNMENT

CONCRETE WASHOUT
NOT TO SCALE

NOTES:

1. PLACE BALES IN A 4" (100 MM) DEEP TRENCH. BALES SHALL BE PLACED SO THAT BINDINGS ARE HORIZONTAL.
2. BALES SHALL BE ANCHORED BY TWO 2"x2" (50x50 MM) STAKES OR #4 J-BAR DRIVEN THROUGH THE BALE AND INTO THE GROUND A MINIMUM DEPTH OF 18" (450 MM). STAKES OR J-BARS SHALL BE DRIVEN FLUSH WITH THE TOP OF THE BALE. THE FIRST STAKE OR J-BAR IN EACH BALE SHALL BE DRIVEN AT AN ANGLE TOWARDS THE PREVIOUSLY LAID BALE TO FORCE THE BALES TIGHTLY TOGETHER.
3. AFTER BALES ARE STAKED IN PLACE, EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE SIDE TO A MINIMUM HEIGHT OF 4" (100 MM).
4. CONTRACTOR SHALL INSPECT BALES WEEKLY AND AFTER EACH WASHOUT. REPAIRS SHALL BE MADE AS NECESSARY AND SEDIMENT SHALL BE REMOVED WHEN IT HAS ACCUMULATED TO A DEPTH OF 6" (150 MM). BALES SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED, COLLAPSED, OR DECOMPOSED.



SECTION A-A
PLACEMENT AT VERTICAL CURBS

SECTION B-B
PLACEMENT AT ROLLED CURBS

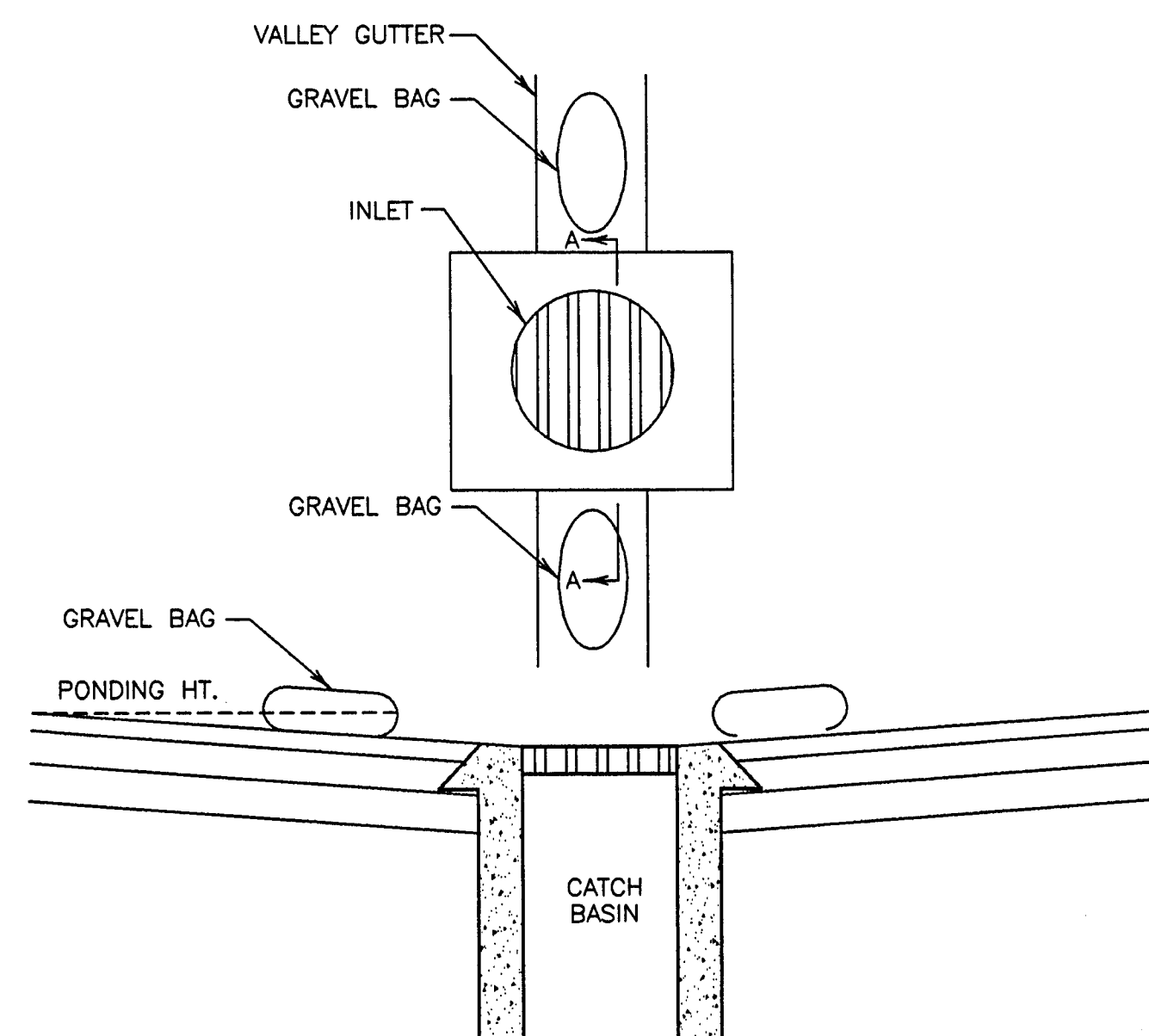
NOT TO SCALE

NOT TO SCALE

FILTER SCREEN INLET DETAIL

NOTES:

1. THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN 2 ACRES (0.8 HECTARES).
2. THE FILTER PAD SHALL BE 1" (25 MM) THICK CLEANABLE POLYESTER FIBER AND ACRYLIC LATEX RESIN OR APPROVED EQUAL. FILTER PAD SHALL OVERLAP DROP INLET ON ALL SIDES BY A MINIMUM OF 1" (25 MM).
3. THE FILTER GRATE SHALL BE MADE OF EXPANDED METAL OR REBAR AND BE OF SUFFICIENT STRENGTH TO PREVENT BENDING WHEN DRIVEN OVER. GRATE MATERIAL SHALL NOT EXCEED 0.5" (13 MM) THICK. THE GRATE SHALL HAVE A MINIMUM 60% OPEN AREA. GRATES USED AT VERTICAL CURBS SHALL HAVE A VERTICAL EXTENSION TO COVER THE CURB OPENING. THE FILTER GRATE SHALL BE THE SAME SIZE AS THE INLET GRATE.
4. THE FILTER PAD AND GRATE SHALL BE SECURELY ATTACHED TO THE DROP INLET BY WIRE OR TIE-WRAPPS.
5. INLET FILTERS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL. REPAIRS, AS WELL AS SEDIMENT AND DEBRIS REMOVAL SHALL BE MADE AS NECESSARY.
6. INLET FILTERS SHALL BE "CONSTRUCTION" STORM DRAIN FILTERS BY POLLUTION SOLUTION.

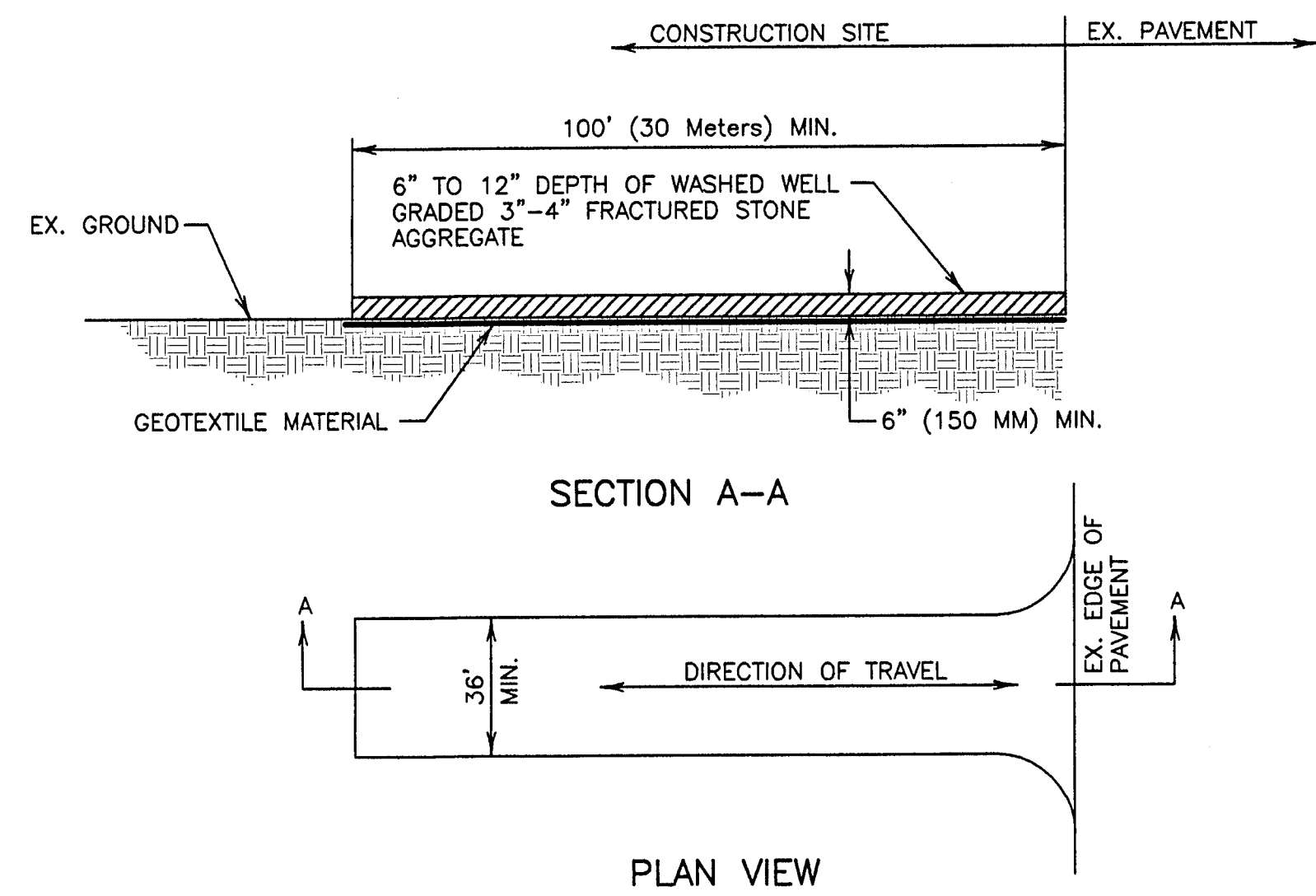


CATCH BASIN AND GRAVEL BAG DETAIL

NOT TO SCALE

NOTES:

1. GRAVEL BAGS SHALL BE WOVEN GEOTEXTILE FABRIC. (12"x18"± AND 15 LBS± OF 1" MAX. ROCK
2. CONSTRUCT ON GENTLY SLOPING STREET WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE OUT OF SUSPENSION.
3. INSPECT AND REPAIR FILTERS AFTER EACH STORM EVENT. REMOVE SEDIMENT WHEN 1/2 OF THE FILTER DEPTH HAS BEEN FILLED. REMOVED SEDIMENT SHALL BE DEPOSITED IN AN AREA TRIBUTARY TO A SEDIMENT BASIN OR OTHER FILTERING MEASURE.
4. SEDIMENT AND GRAVEL SHALL BE IMMEDIATELY REMOVED FROM TRAVELED WAY OF ROAD.
5. GRAVEL BAG INLET PROTECTION ON ROADS OPEN TO THE PUBLIC WILL REQUIRE DELINEATION DEVICES TO ALERT MOTORISTS, BICYCLISTS AND PEDESTRIANS. THE USE OF SUCH DEVICES SHALL BE SUBJECT TO THE DISTRICT ENGINEERS APPROVAL.

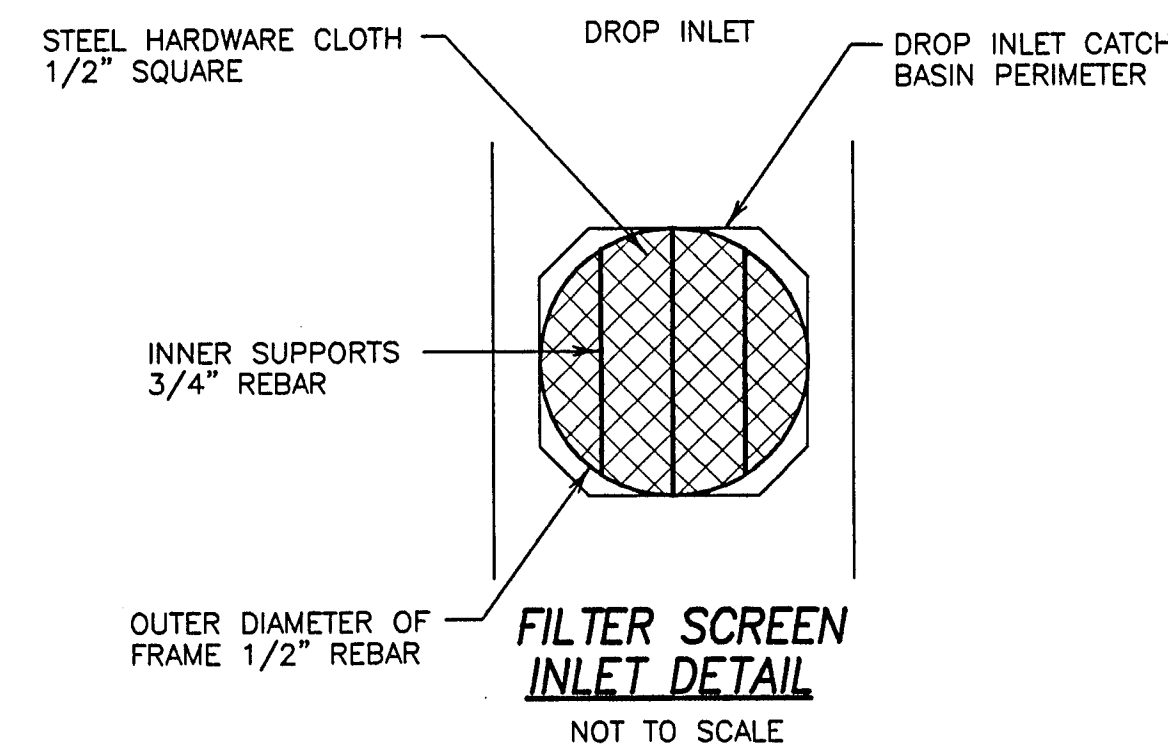


CONSTRUCTION ENTRANCE

NOT TO SCALE

NOTES:

1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3" TO 4" WASHED, WELL-GRADED FRACTURED STONE AGGREGATE. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 6", SLOPED AWAY FROM THE ROADWAY.
2. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 100' (30 METERS). WIDTH SHALL BE A MINIMUM 36' (15 METERS) OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADII.
3. THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH MATERIAL AS SPECIFIED IN NOTE 1.
4. ACCESSES SHALL BE INSPECTED WEEKLY, AND AFTER EACH RAINFALL, AND MAINTAINED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.
5. ANY DEBRIS, SEDIMENT OR ROCK TRACKED ONTO PUBLIC STREETS WILL BE SWEEPED UP BY THE END OF EACH WORKDAY.



FILTER SCREEN INLET DETAIL

NOT TO SCALE

NOTES:

1. DEVELOPER IS RESPONSIBLE FOR REPLACEMENT OF MISSING AND DAMAGED FILTER SCREENS UNTIL THE PROJECT IS ACCEPTED. A ROUTINE MAINTENANCE SCHEDULE IS TO BE MAINTAINED. FILTER SCREENS SHALL BE SECURED TO THE CATCHBASIN DURING THIS PERIOD.
2. COMPRESSED BETWEEN REBAR FRAME AND DICB IS 1" THICK FILTER PAD MATERIAL. FILTER PAD MATERIAL IS DENSE TO RETAIN SILT YET POROUS ENOUGH TO ALLOW WATER DRAINAGE. THE FILTER SYSTEM IS WIRE TIED TO THE DICB IN 2 OR MORE PLACES TO PREVENT SLIPPAGE OR REMOVAL OF UNIT FROM DICB.
3. THE FILTER PAD AND GRATE SHALL BE SECURELY ATTACHED TO THE DROP INLET BY WIRE OR TIE-WRAPPS.
4. INLET FILTERS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL. REPAIRS AND SEDIMENT AND DEBRIS REMOVAL SHALL BE MADE AS NECESSARY.
5. INLET FILTERS SHALL BE "CONSTRUCTION" STORM DRAIN FILTERS BY POLLUTION SOLUTION.



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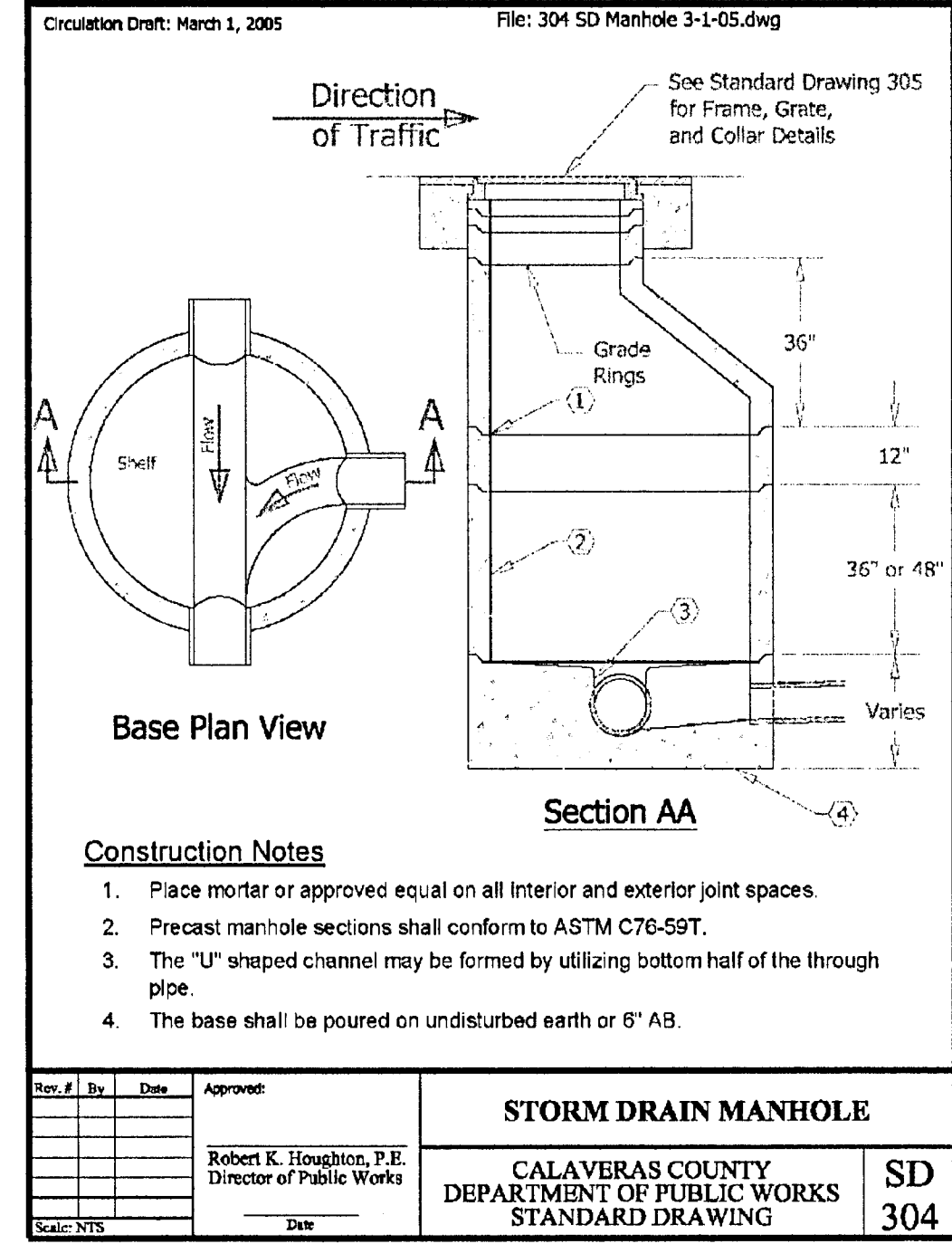
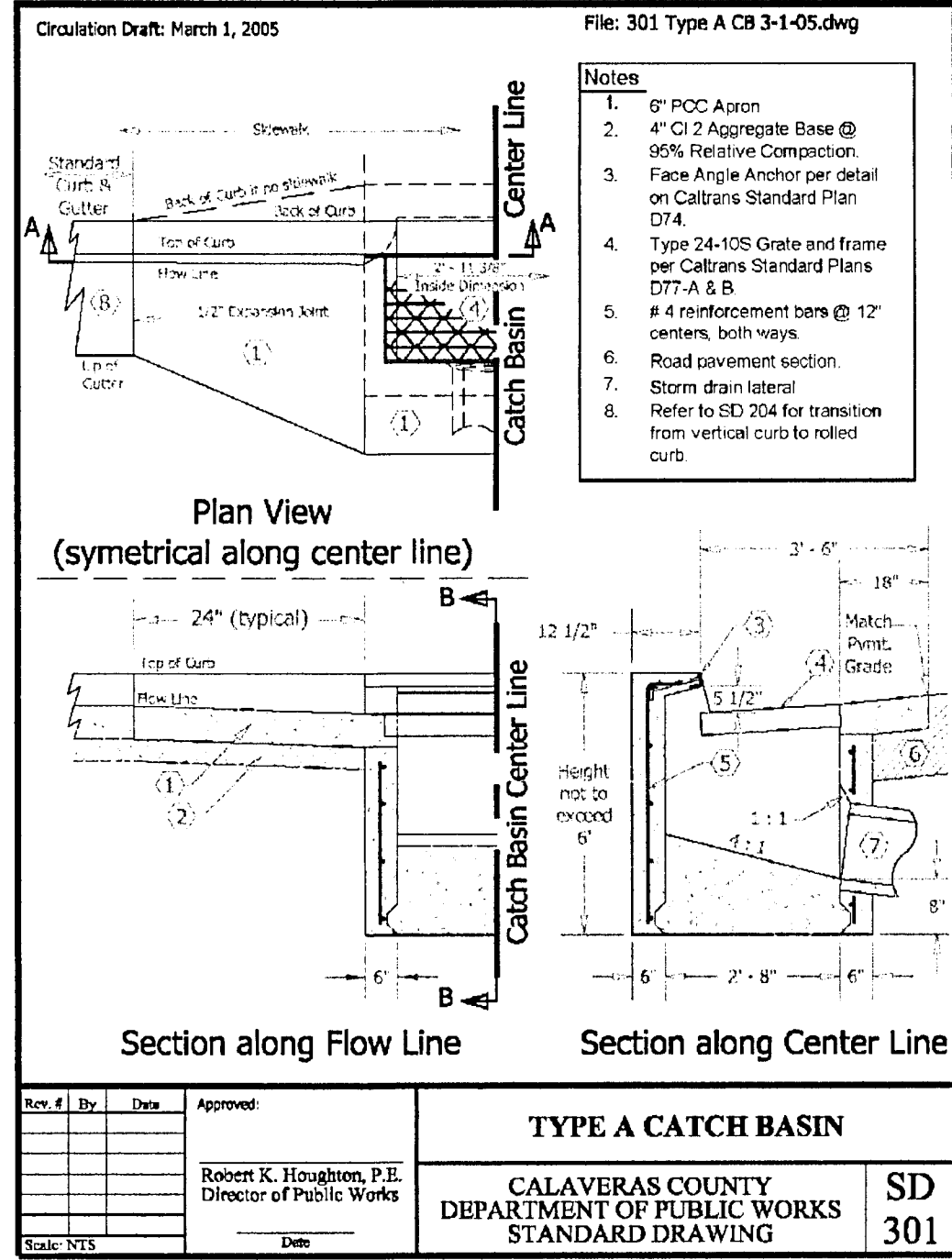
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**IMPROVEMENT PLANS FOR TRACT NO. 2003-110
TRES LAGOS**

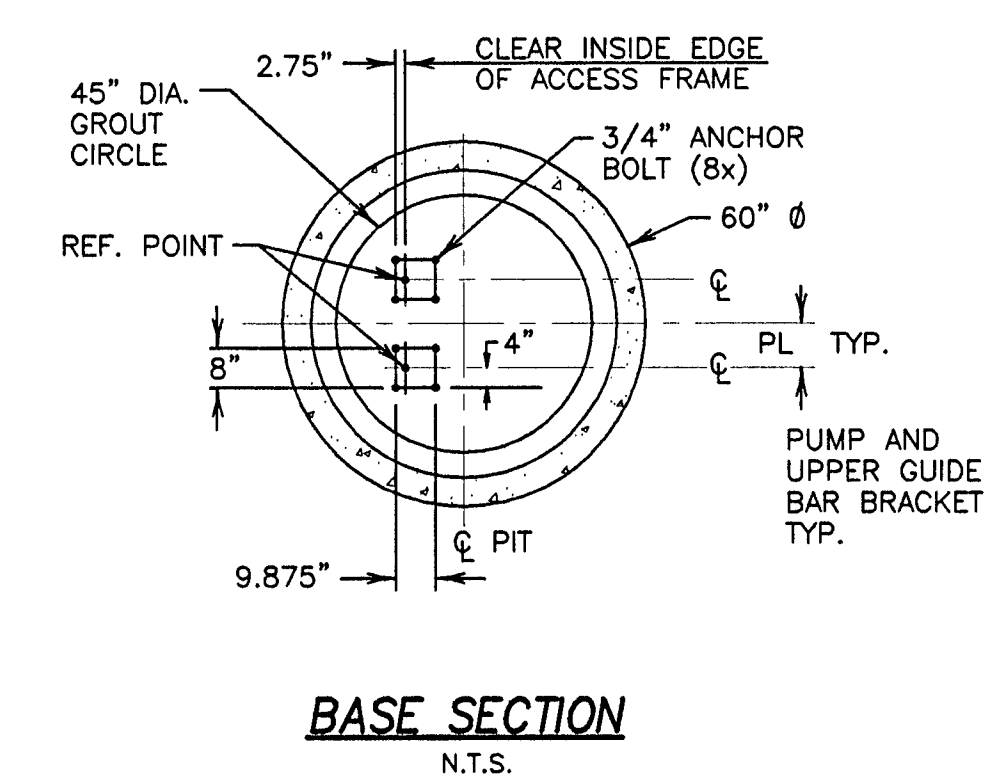
EROSION AND SEDIMENT CONTROL DETAILS

JUNE, 2007
CALAVERAS COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: D1106 EL: 176.47	SHEET
			DRAWN BY: LM	DESCRIPTION: BRASS DISK AT GOODMAN'S CORNER STAMPED "D1106."	17
			DESIGNED BY: JM		OF 22 SHEETS
			CHECKED BY:		JOB NO. 0340
			AS BUILT BY:		

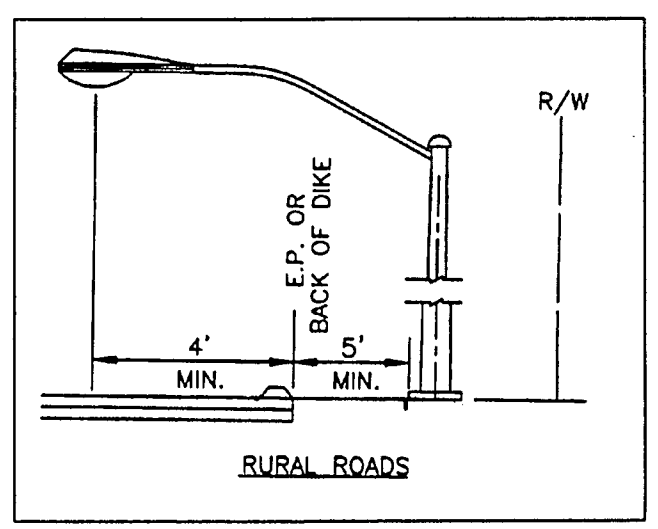


- NOTES:**
1. LOCATE ANCHOR BOLTS USING CLEAR INSIDE EDGE OF ACCESS FRAME AND CENTER LINE OF PUMP AS REF. POINT. BOLT LOCATIONS MUST BE HELD TO MAINTAIN EXACT POSITION OF PUMP RELATIVE TO ACCESS FRAME.
 2. GROUT OPENING FOR ACCESS FRAME.
 3. COVER SHOWN IS FOR STANDARD DUTY FRAME. FOR ADDITIONAL DIMENSIONS ON STANDARD DUTY TROUGH FRAME, HEAVY DUTY ANGLE FRAME AND HEAVY DUTY TROUGH FRAME, CONSULT ITT FLYGT CORP., ENGINEERING DEPT.
 4. FOR PUMP DIMENSIONS REFER TO DIMENSIONAL DRAWING.
 5. ALL BOWLS INSIDE WET WELLS SHALL BE STAINLESS STEEL.
 6. INTERIOR OF WELL TO BE COATED WITH BITUMASTIC SUCH AS KOP-COAT NO. 300-M
 7. ALL CONCRETE TO INCLUDE STEEL REINFORCEMENT.



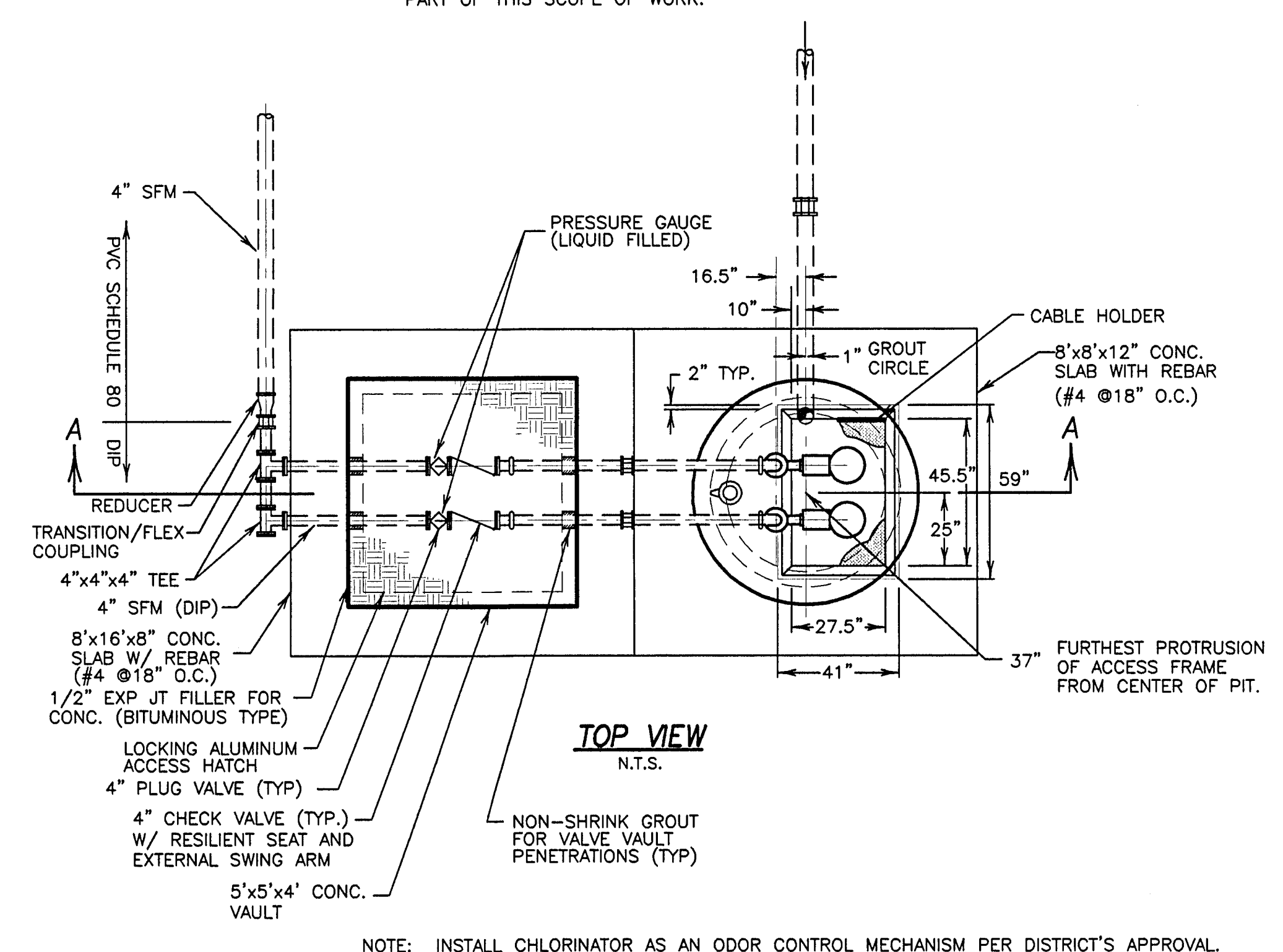
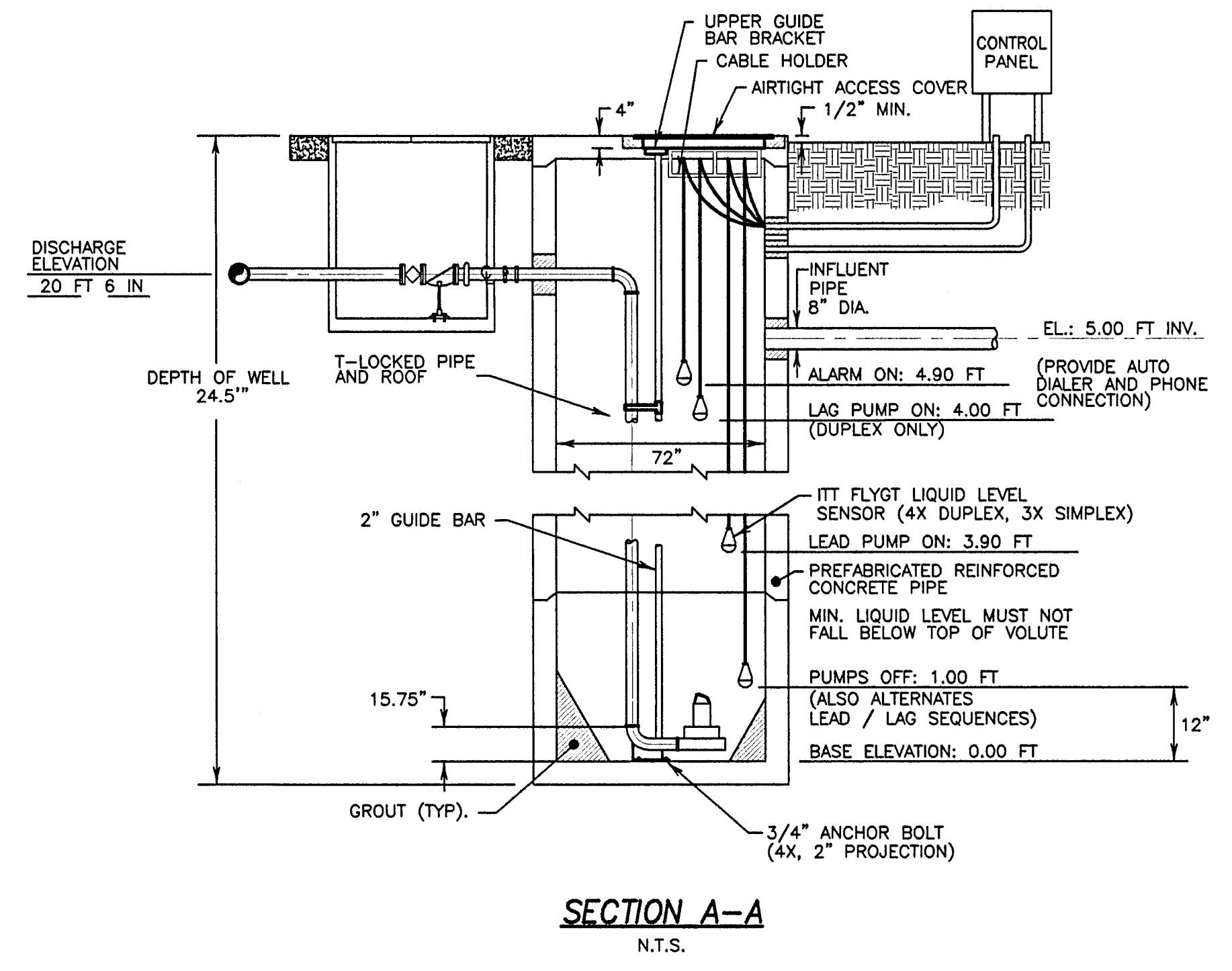
NOTE: INSTALL A BLOWER WITH CARBON FILTER. PER DISTRICT'S APPROVAL.

- NOTES:**
1. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, APPROVALS AND LICENSES PRIOR TO BEGINNING CONSTRUCTION. CONTRACTOR SHALL SUPPLY SUBMITTALS TO WSD FOR APPROVAL ON ALL ITEMS.
 2. PUMPS P1 AND P2 SHALL BE SUBMERSIBLE GRINDER SEWAGE PUMPS. CONSTANT PUMP BEING RATED AT A DESIGN POINT OF 76 GPM AND BACK-UP PUMP BEING RATED AT A DESIGN POINT OF 20 GPM, BOTH @ 70' TDH AT A MINIMUM EFFICIENCY OF 35% WITH A 4" DISCHARGE. MOTORS SHALL BE 3 PHASE, 4 POLE, 240 VAC DESIGNED FOR SUBMERSIBLE WASTEWATER SERVICE. PUMPS SHALL BE MANUFACTURED BY FLYGT.
 3. GUIDE RAILS AND LIFTING DEVICES SUITABLE FOR WET PIT INSTALLATION AS INDICATED ON DRAWINGS. CONTRACTORS SHALL PROVIDE TYPE 316 STAINLESS STEEL GUIDE RAILS, WALL SUPPORTS, LIFTING CHAIN, ANCHOR BOLTS, AND FASTENERS. PROVIDE A FORGED STEEL "GRIP-EYE" FOR USE WITH MECHANICAL LIFTING DEVICE. SYSTEM SHALL BE APPROPRIATELY SIZED FOR WEIGHT OF PUMPS TO BE LIFTED. CONTRACTOR SHALL PROVIDE LIFTING DEVICE SUBJECT TO APPROVAL OF DISTRICT ENGINEER.
 4. ACCESS FRAMES AND COVERS SHALL HAVE STAINLESS STEEL COMPRESSION SPRING ASSIST, STAINLESS STEEL LIFTING HANDLES, HINGES, AND ATTACHING HARDWARE. STAINLESS STEEL LOOKING ASSEMBLY, BUILT-IN NEOPRENE GASKET, 300 LBS PSF LOAD RATING, ACCESS HATCHES AS MANUFACTURED BY FLYGT, HALLIDAY PRODUCTS OR EQUAL.
 5. THE FOLLOWING NOTES DESCRIBE THE MINIMUM REQUIREMENTS FOR A TRAILER MOUNTED, STANDBY RATED, 20 KW-60HZ CONTINUOUS DUTY, THREE PHASE DIESEL/ELECTRIC GENERATOR. THE DIESEL GENERATOR SHALL BE MANUFACTURED BY GENERAC, KOHLER, ONAN OR EQUAL.
 - A. DIESEL GENERATOR SHALL INCLUDE A DIESEL ENGINE, CONTROL & INSTRUMENTAL PANEL, BATTERIES, REMOTE MOUNTED BATTERY CHARGER, BRUSHLESS ALTERNATOR, EXCITOR, VOLTAGE REGULATOR, GENERATOR MAIN BREAKER, TRAILER MOUNTED FUEL TANK, FUEL PUMP, RADIATOR, BLOWER FAN, VIBRATION ISOLATORS, JACKET WATER HEATER, WEATHERPROOF (LOCKING TYPE) ENCLOSURE, DOUBLE WALL BASE TANK (WITH ALARM) AND 24 HOURS MINIMUM FUEL STORAGE, AND NOISE REDUCING MUFFLER.
 - B. THE BATTERY CHARGER SHALL BE PROVIDED IN A SEPARATE NEMA 3R ENCLOSURE INSIDE THE GENERATOR HOUSING.
 - C. THE DIESEL GENERATOR SHALL BE DELIVERED AS A TRAILER MOUNTED UNIT, PIPED AND WIRED FOR OPERATION.
 - D. INSTALL A STEEL REINFORCED CONCRETE PAD ADEQUATELY SIZED TO SUPPORT THE DIESEL GENERATOR FUEL TANK AND ASSOCIATED EQUIPMENT AS PART OF THIS SCOPE OF WORK.



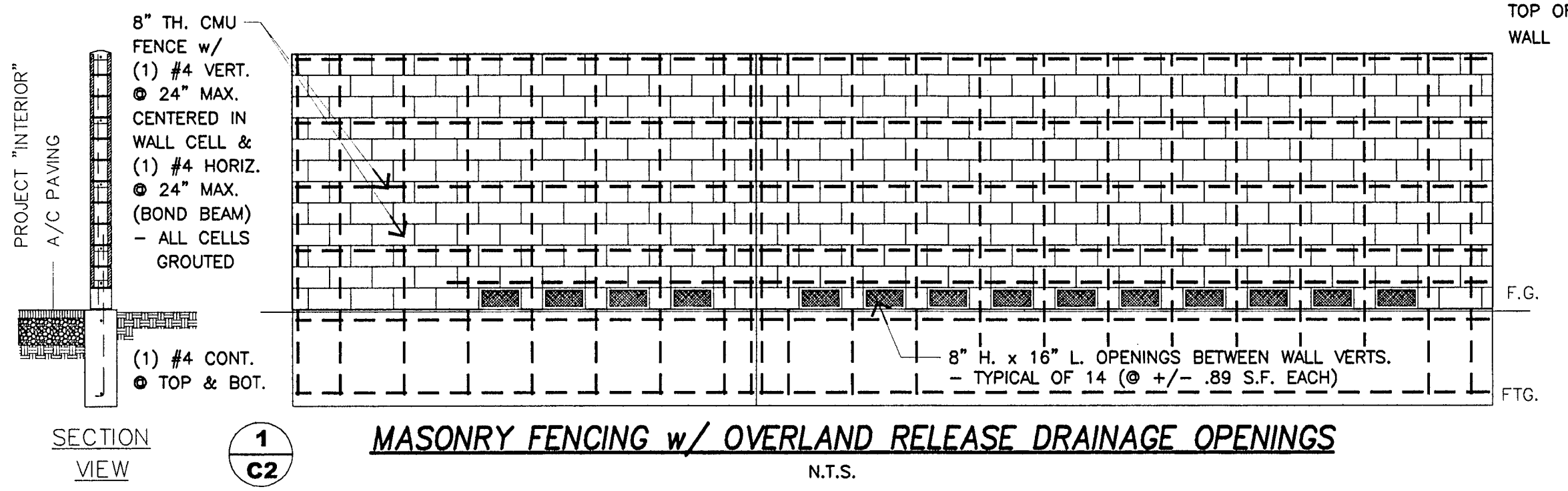
STREET CLASSIFICATION	STREET TYPE & RIGHT-OF-WAY WIDTH	TYPE STREET LIGHT	NORMAL MOUNTING HEIGHT	AVERAGE MAINTAINED FOOTCANDLE	MAINTENANCE FACTOR
Expressway	110'	A	30'	.57	.65
Major arterial	110'	A	30'	.54	.65
Minor arterial	84'	A	30'	.36	.65
Collector/Industrial/Commercial	60'	A	30'	.26	.65
Residential	50'	A	30'	.13	.70
Pedestrian lane	-	A	30'	.17	.70

- NOTES:**
1. LIGHTING POLES ARE TO BE LOCATED 5' BEHIND THE BACK OF CURB.
 2. THE POLES SHALL BE 8" IN DIAMETER AT THE BASE AND TAPER TO THE TOP.
 3. THE ARM OF THE LIGHT SHALL BE 10' IN LENGTH.
 4. ALL STREET LIGHTING AND APPURTENANCES SHALL CONFORM TO P.G.&E. STANDARDS AND SPECIFICATIONS.
 5. STREET LIGHT LOCATIONS AT INTERSECTIONS SHALL BE APPROVED BY CALAVERAS COUNTY DEPARTMENT OF PUBLIC WORKS.
 6. STREET LIGHTS SHALL BE ENERGIZED PRIOR TO COUNTY ACCEPTANCE OF THE IMPROVEMENTS. ADVANCE ARRANGEMENTS SHALL BE MADE WITH P.G.&E. TO EITHER INSTALL THE STREET LIGHTS, OR AGREE TO ACCEPT THEM FOR OPERATION AND MAINTENANCE UNDER THEIR LS1 RATE SCHEDULE AFTER INSTALLATION. CLASS "e"



NOTE: INSTALL CHLORINATOR AS AN ODOR CONTROL MECHANISM PER DISTRICT'S APPROVAL.

LIFT STATION
N.T.S.



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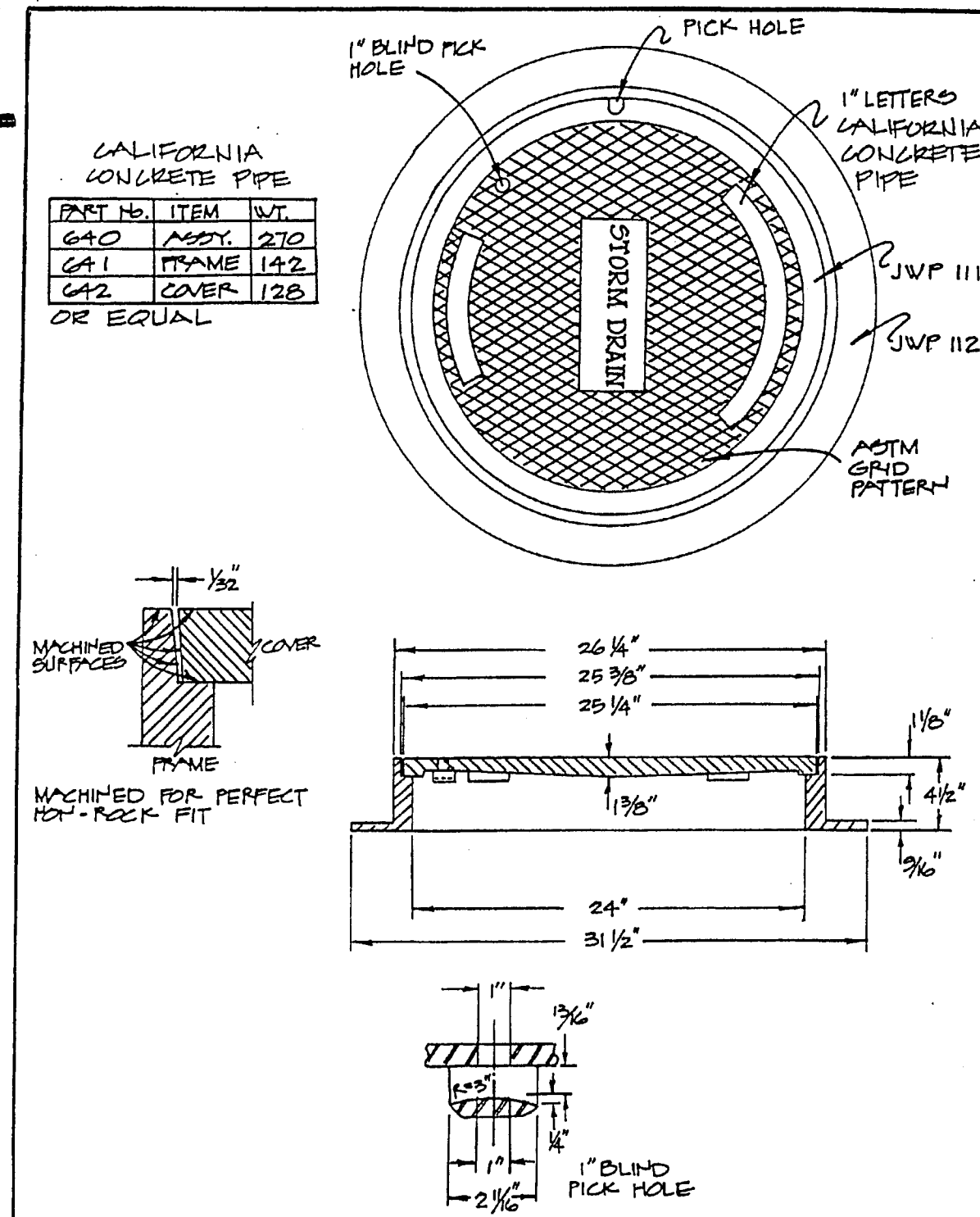
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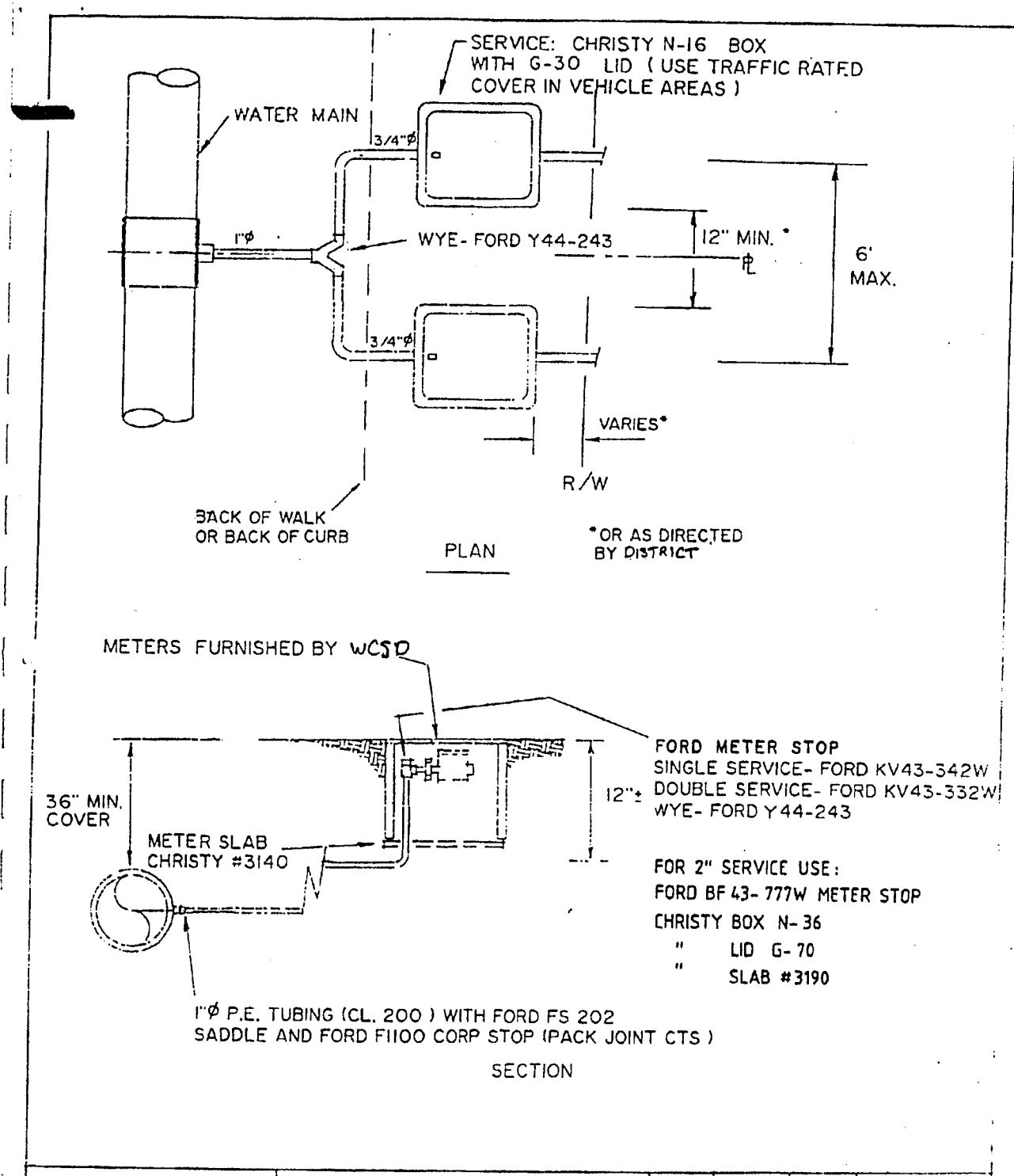
CONSTRUCTION DETAILS

JUNE, 2007
CALAVERAS COUNTY, CALIFORNIA

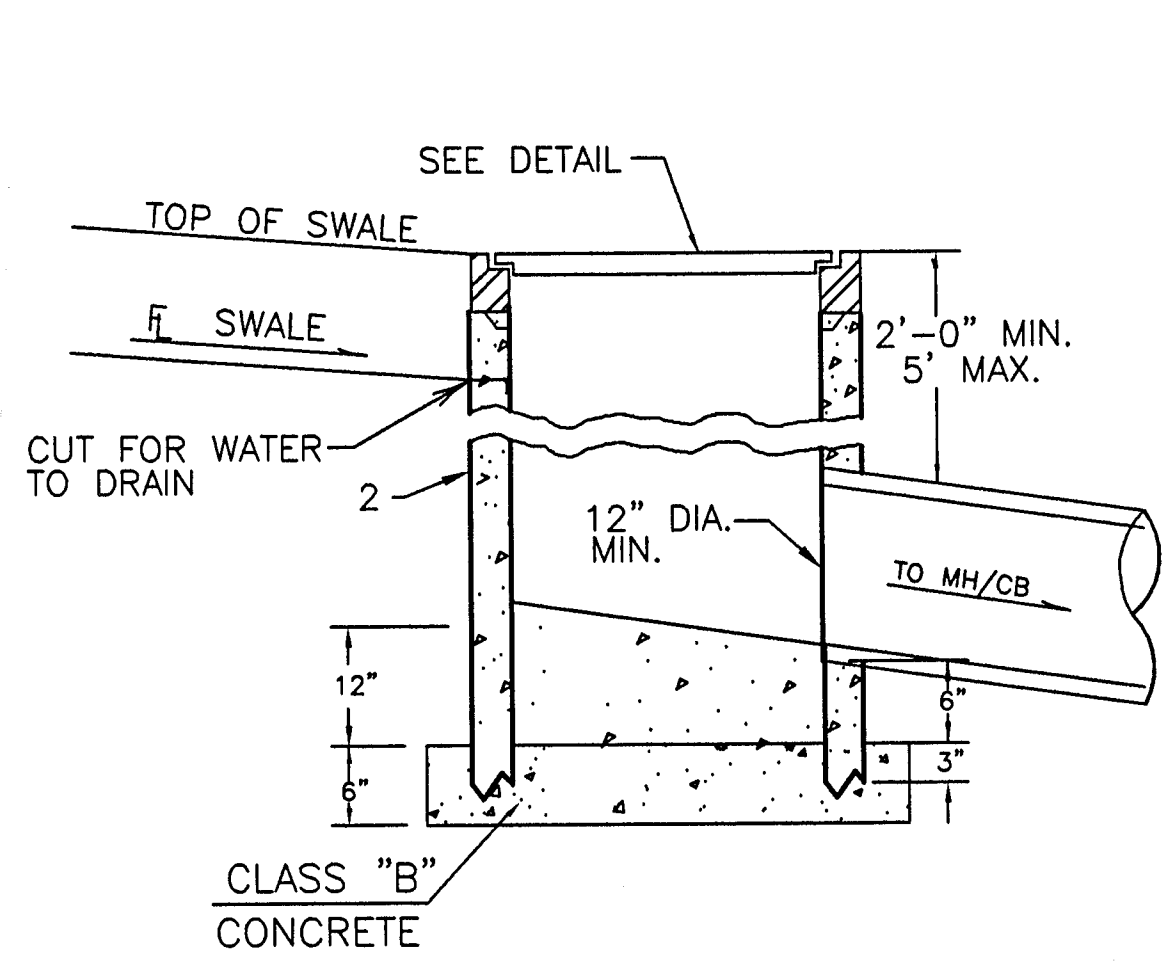
REV. NO.	DESCRIPTION	DATE	SCALE: NO SCALE	BENCH MARK: D1106 EL: 176.47	SHEET
					18
					OF 22 SHEETS
					JOB NO. 0340



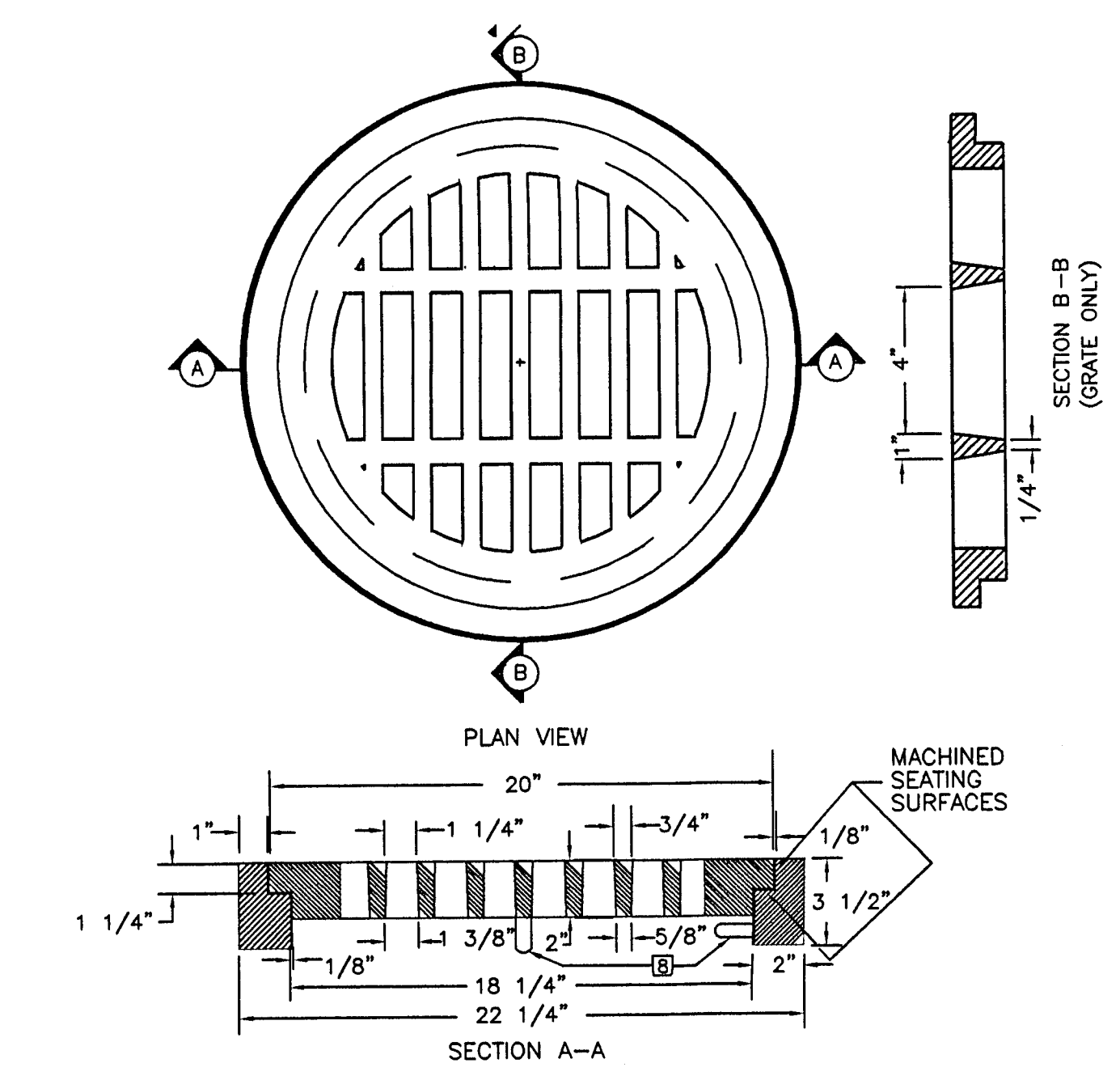
DEPARTMENT OF PUBLIC WORKS	STORM DRAIN MANHOLE	3/10/98 GA	SD-1
		2/24/01 R.T.V.	
		REV. DATE BY	



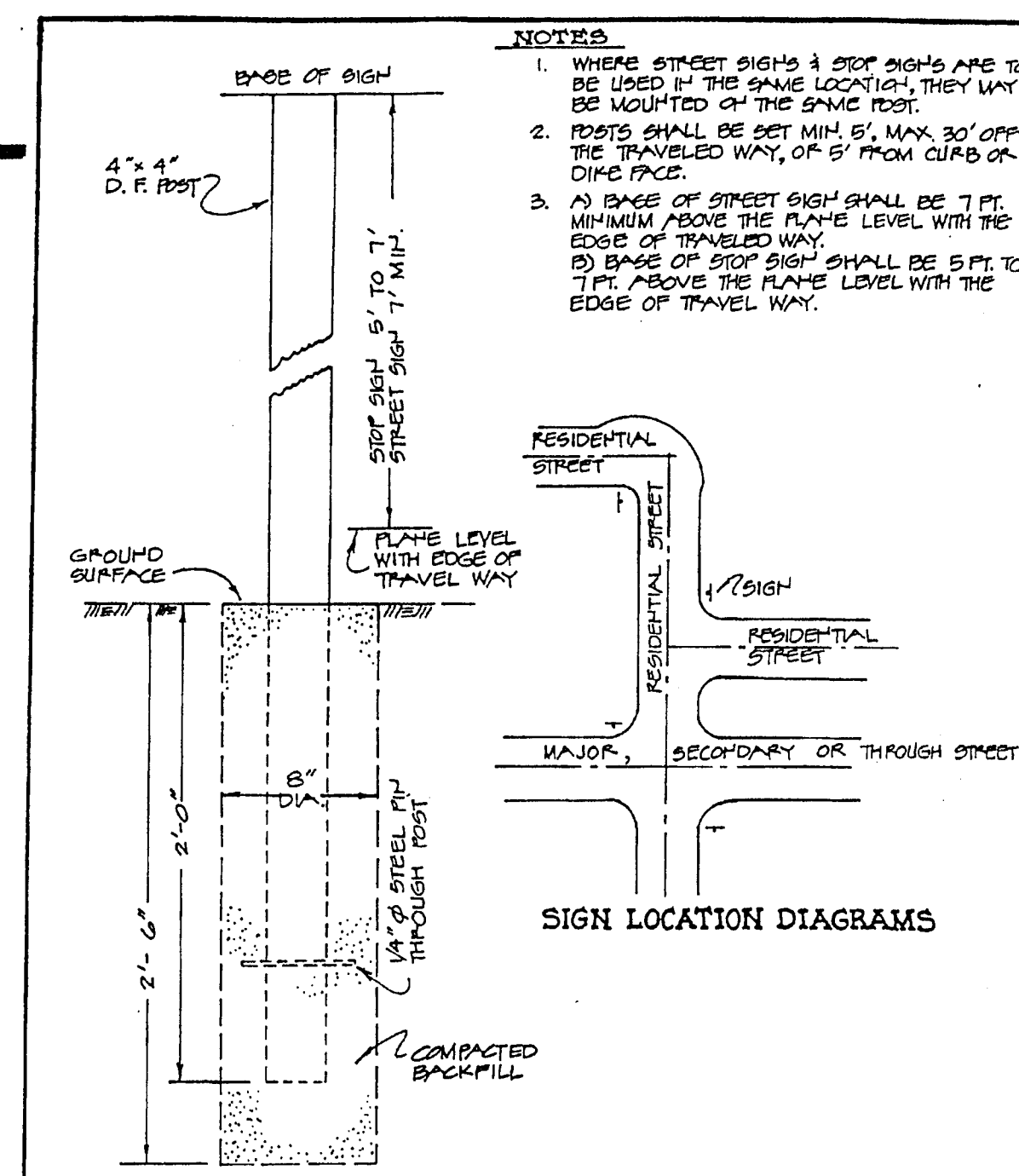
DEPARTMENT OF PUBLIC WORKS	SERVICE CONNECTION DETAIL	2 3-10-98 GG	WS-2
		1 3-18-97 JP	
		REV. DATE BY	



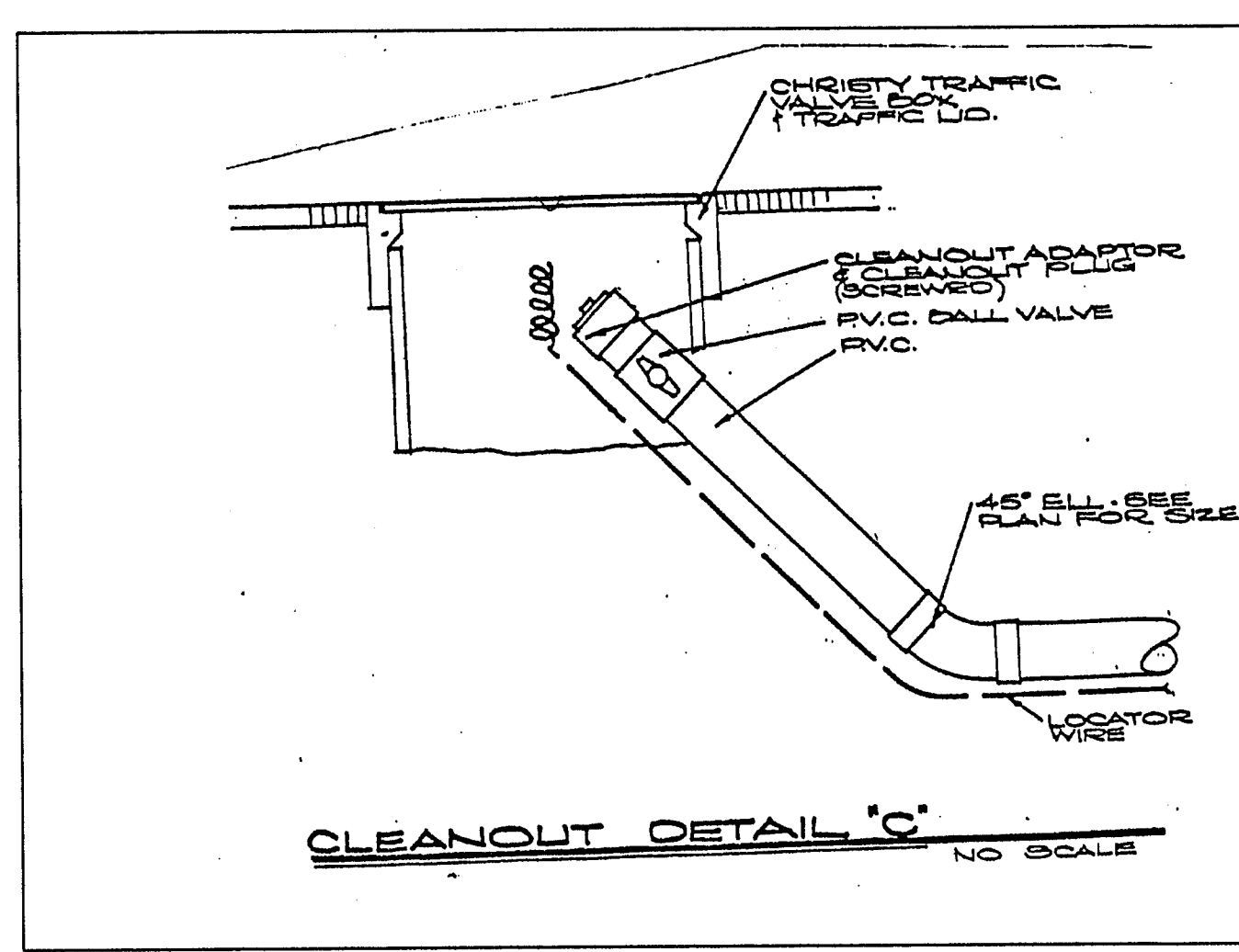
- NOTES:
- 18" PIPE BARREL SHALL BE CLASS III R.C.P., OR CLASS 2 NON-REINFORCED CONCRETE PIPE AS A MINIMUM.
 - CATCH BASIN MAY BE USED WHERE APPROVED BY WCSO.



- NOTES:
- FRAME & GRATE SHALL BE MANUFACTURED OF CAST IRON CONFORMING TO ASTM A-48-30.
 - FRAME AND GRATE SHALL BE HS20-44 RATED.
 - FRAME SHALL WEIGH APPROX. 65 LBS.
 - GRATE SHALL WEIGH APPROX. 78 LBS.
 - GRATE SHALL BE CHAINED TO FRAME WITH 18" OF 1/4" HEAT-TREATED CHAIN.
 - INTENTIONALLY LEFT BLANK.
 - COUNTRY OF ORIGIN AND MANUFACTURER SHALL BE CAST INTO FRAME AND GRATE.
 - 1/4" X 6" U BOLT CAST INTO GRATE AND FRAME



DEPARTMENT OF PUBLIC WORKS	STANDARD STREET AND STOP SIGN POST DETAILS	2/24/01 R.T.V.	ST-6
		REV. DATE BY	



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