

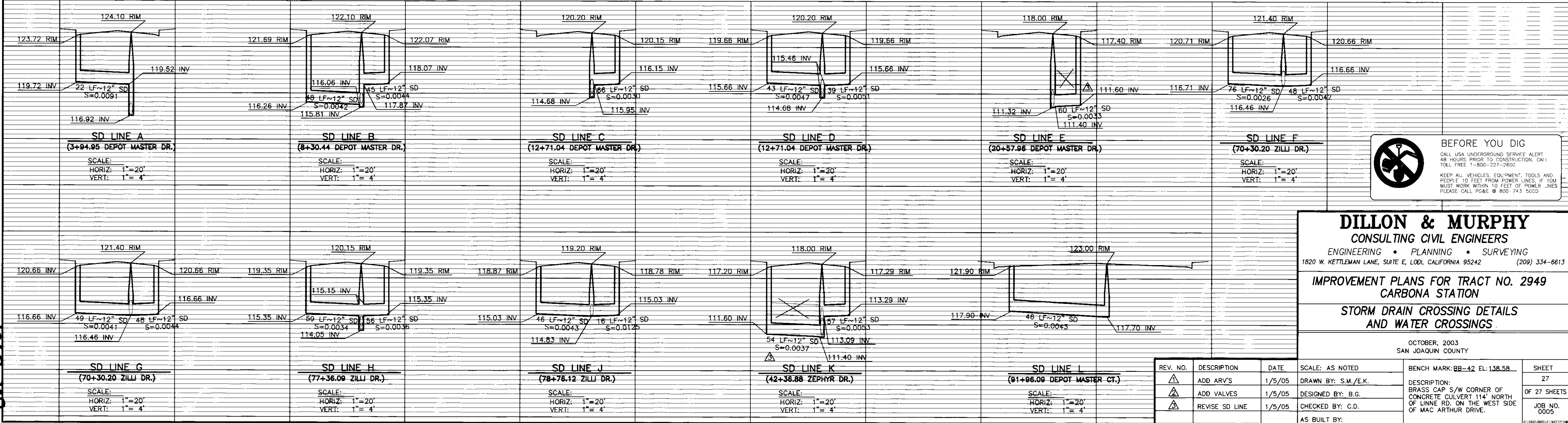
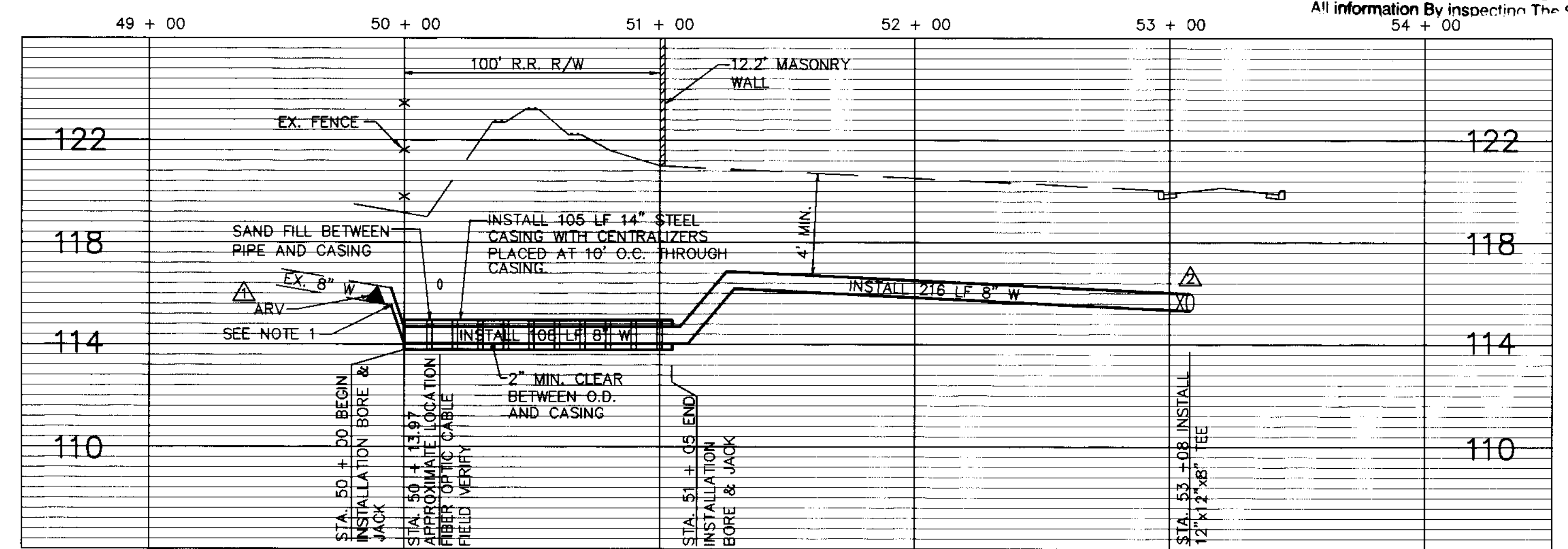
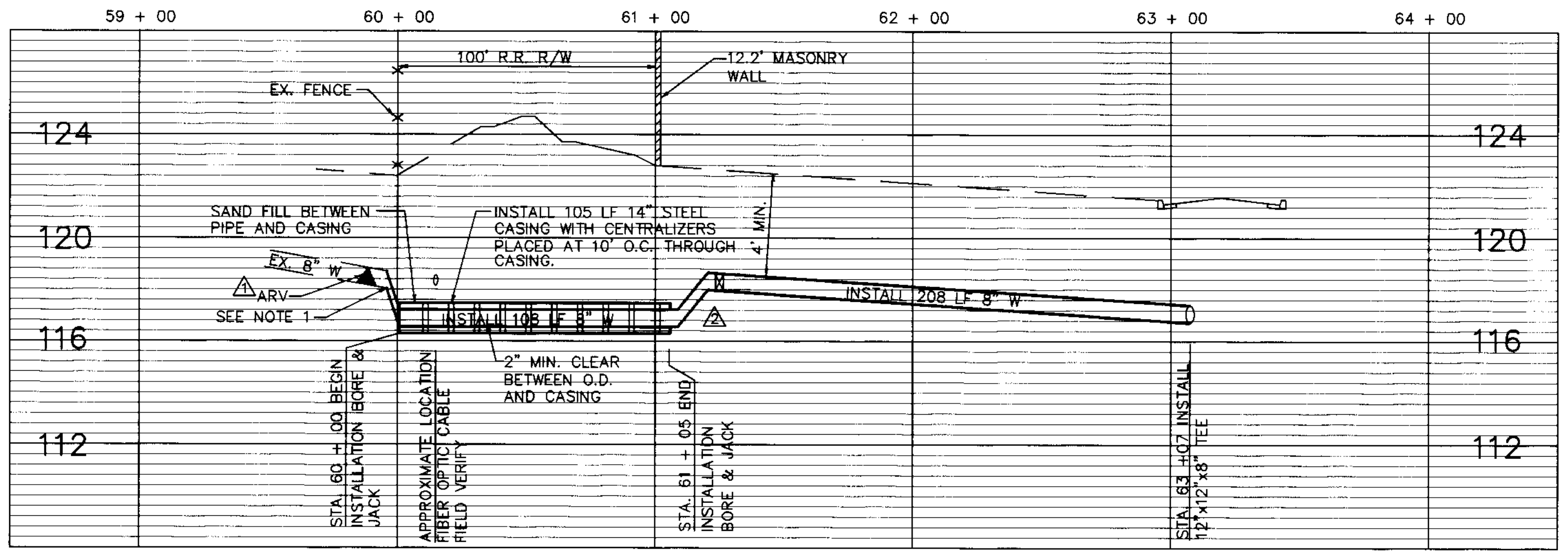
NOTE:
1. MODIFY EXISTING WATER PIPE AS NECESSARY TO ACHIEVE THE REQUIRED DEPTH FOR THE RAILROAD CROSSING.

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

NOTE:
1. MODIFY EXISTING WATER PIPE AS NECESSARY TO ACHIEVE THE REQUIRED DEPTH FOR THE RAILROAD CROSSING.

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

RECORD DRAWING
Corrections By **BG**
No Changes By
Date **1/26/05**
Any Person Using This Drawing Should Verify All Information By Inspecting The Site.
54 + 00

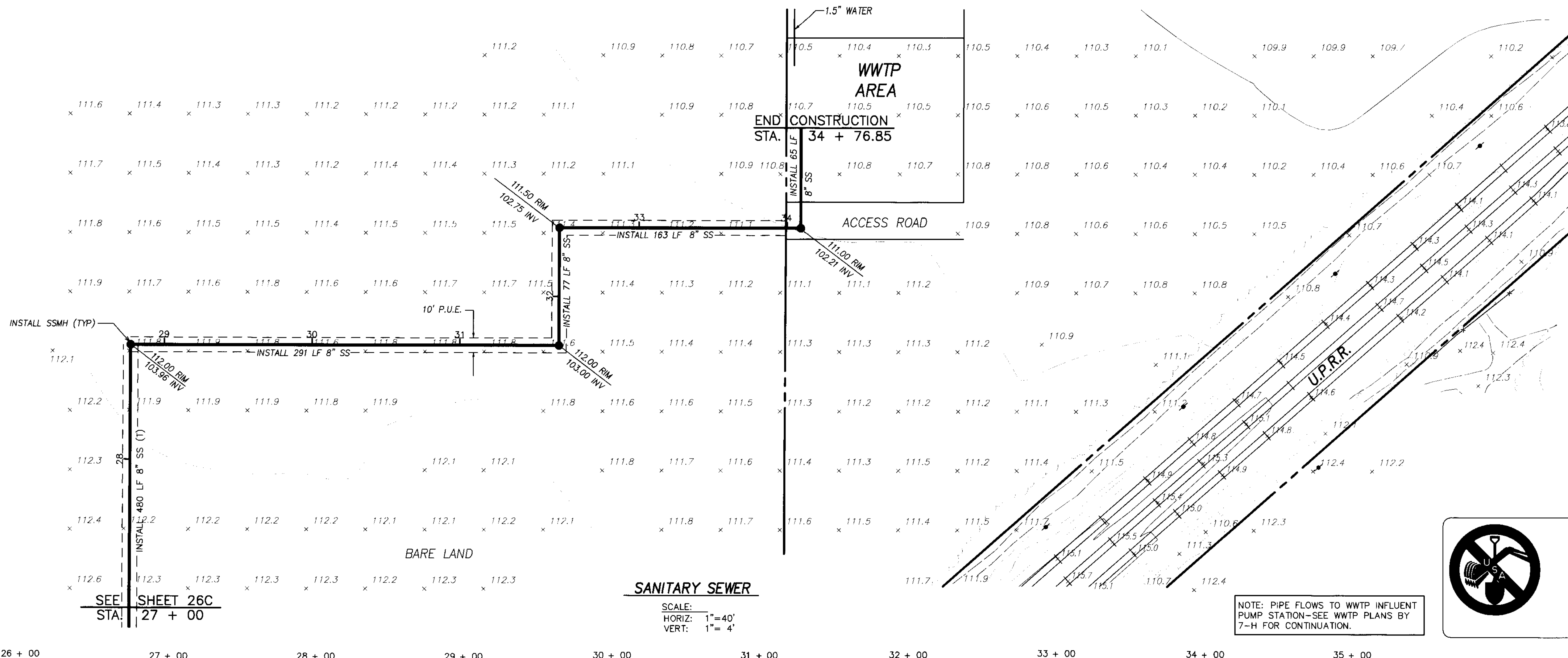


BEFORE YOU DIG
CALL USA UNDERGROUND SERVICE ALERT
48 HOURS PRIOR TO CONSTRUCTION. CALL
TOLL FREE 1-800-227-2600.
KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND
PEOPLE 10 FEET FROM POWER LINES. IF YOU
MUST WORK WITHIN 10 FEET OF POWER LINES
PLEASE CALL POKE @ 800-743-5600

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1820 W. KETTLEMAN LANE, SUITE E, LODI, CALIFORNIA 95242 (209) 334-6613
IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION
STORM DRAIN CROSSING DETAILS
AND WATER CROSSINGS.

OCTOBER, 2003
SAN JOAQUIN COUNTY

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
△	ADD ARV'S	1/5/05	DRAWN BY: S.M./E.K.	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	27
△	ADD VALVES	1/5/05	DESIGNED BY: B.G.		OF 27 SHEETS
△	REVISE SD LINE	1/5/05	CHECKED BY: C.D.		JOB NO. 0005
AS BUILT BY:					



LEGEND

P/L	PROPERTY LINE
OG	ORIGINAL GROUND
EX.	EXISTING
◆	POWER POLE
118.3	EX. GRADE
120'-	EX. CONTOUR AND INDEX
---	TOP OF CANAL
---	EX. BOUNDARY
---	SANITARY SEWER

BEFORE YOU DIG

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

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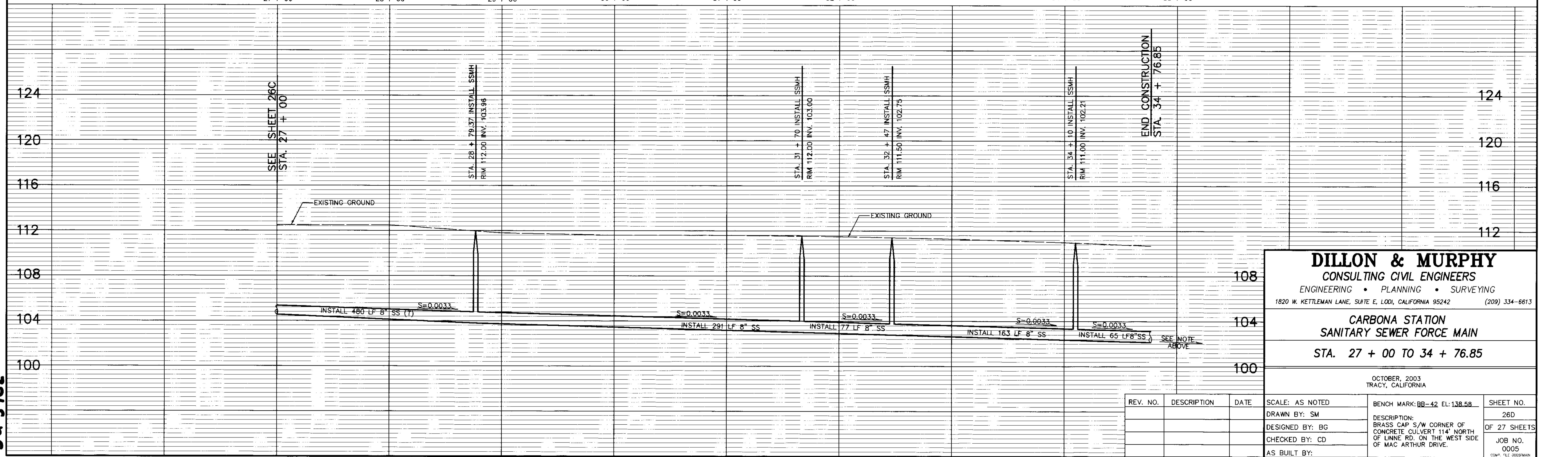
NOTE: PIPE FLOWS TO WWTP INFLUENT PUMP STATION-SEE WWTP PLANS BY 7-H FOR CONTINUATION.

SANITARY SEWER

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

SEE SHEET 26C
STA. 27 + 00

26 + 00 27 + 00 28 + 00 29 + 00 30 + 00 31 + 00 32 + 00 33 + 00 34 + 00 35 + 00



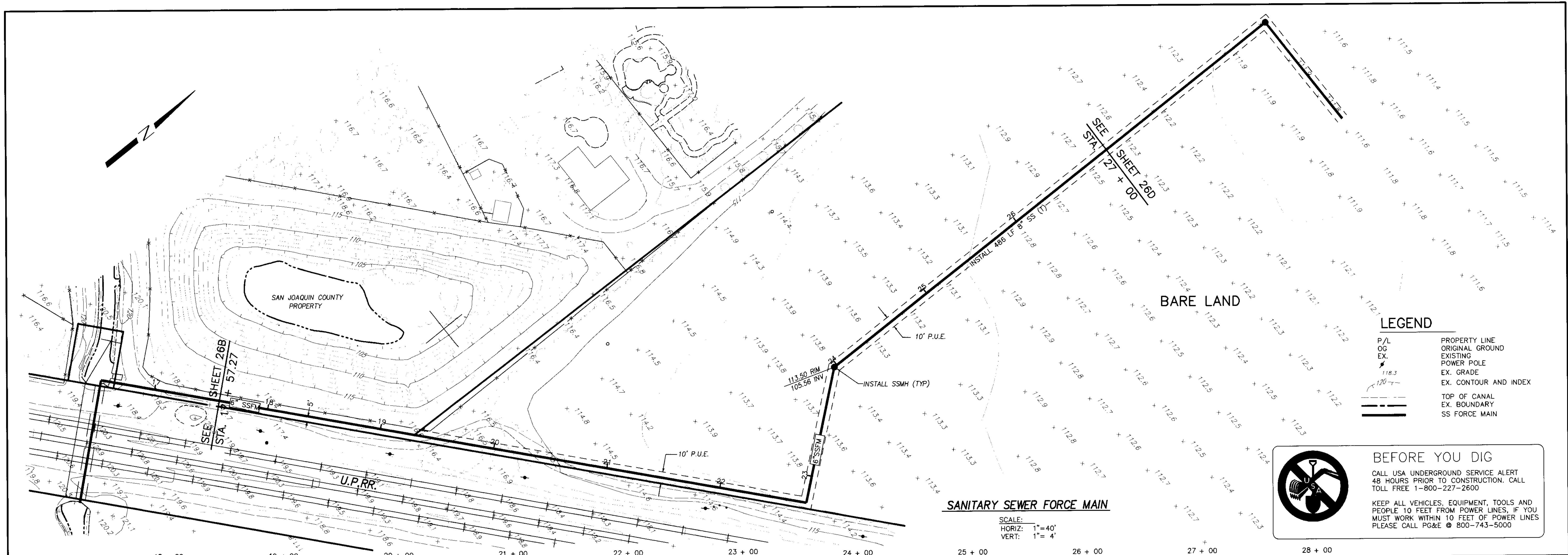
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CARBONA STATION
SANITARY SEWER FORCE MAIN
STA. 27 + 00 TO 34 + 76.85

OCTOBER, 2003
TRACY, CALIFORNIA

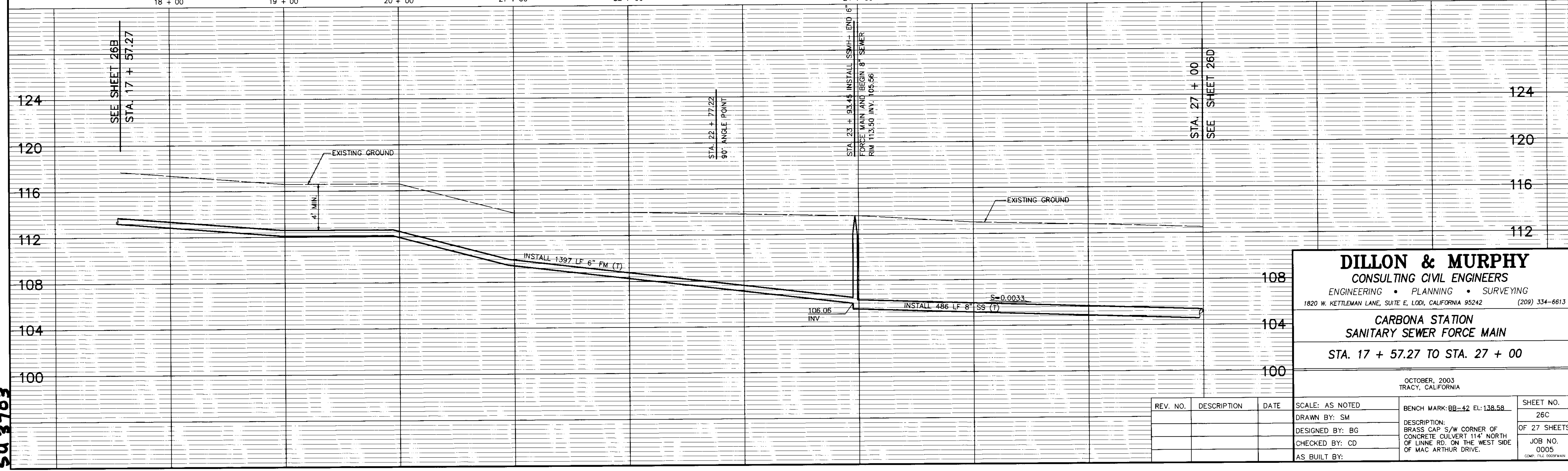
REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET NO.
	DRAWN BY: SM				26D
	DESIGNED BY: BG				OF 27 SHEETS
	CHECKED BY: CD				JOB NO. 0005
	AS BUILT BY:				COMP. BY: G. GOODMAN

SU 3702



SANITARY SEWER FORCE MAIN

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

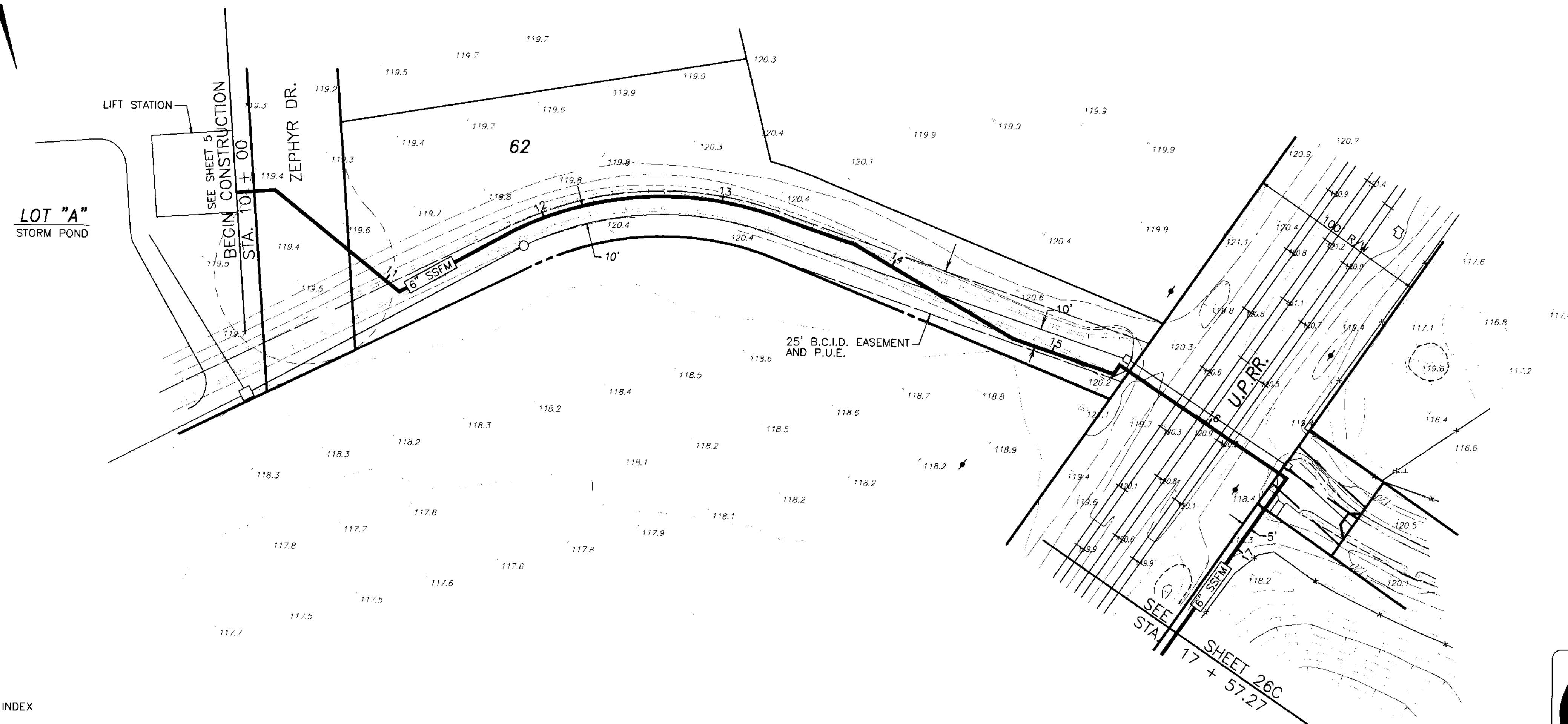


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CARBONA STATION
SANITARY SEWER FORCE MAIN
STA. 17 + 57.27 TO STA. 27 + 00

OCTOBER, 2003 TRACY, CALIFORNIA		SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET NO. 26C
REV. NO.	DESCRIPTION	DATE	DESCRIPTION:	OF 27 SHEETS
			BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	JOB NO. 0005
			AS BUILT BY:	COMP. FILE 0005.MXD

SU 3703



LEGEND

- P/L PROPERTY LINE
- OG ORIGINAL GROUND
- EX. EXISTING
- POWER POLE
- EX. GRADE
- EX. CONTOUR AND INDEX
- TOP OF CANAL
- EX. BOUNDARY
- SS FORCE MAIN

SANITARY SEWER FORCE MAIN

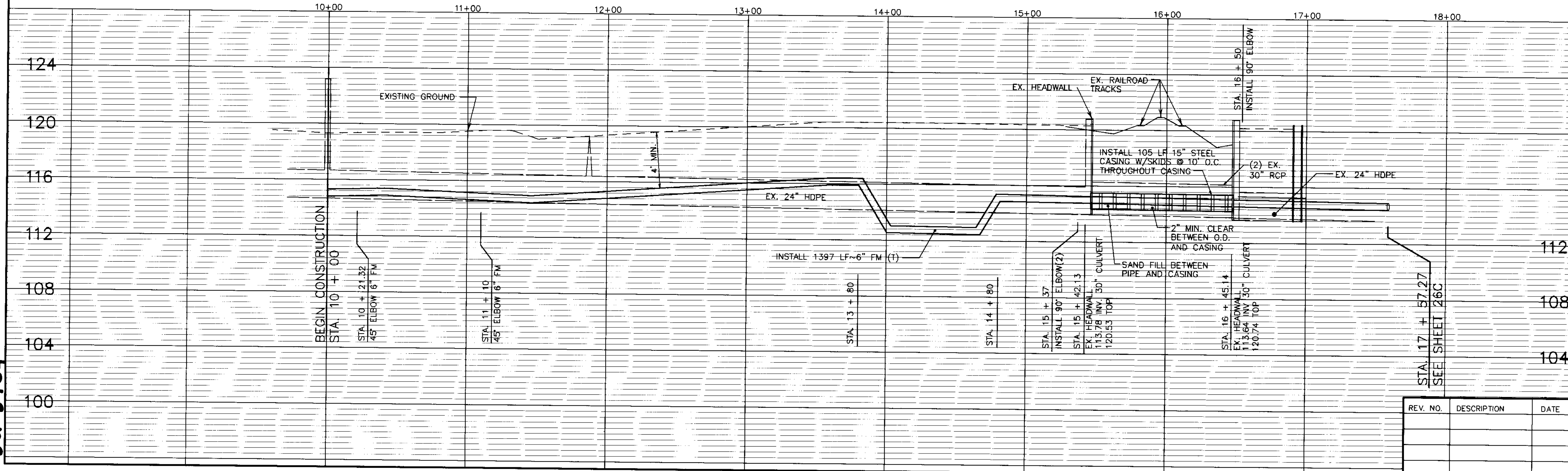
SCALE:
 HORIZ: 1" = 40'
 VERT: 1" = 4'

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SU 3704

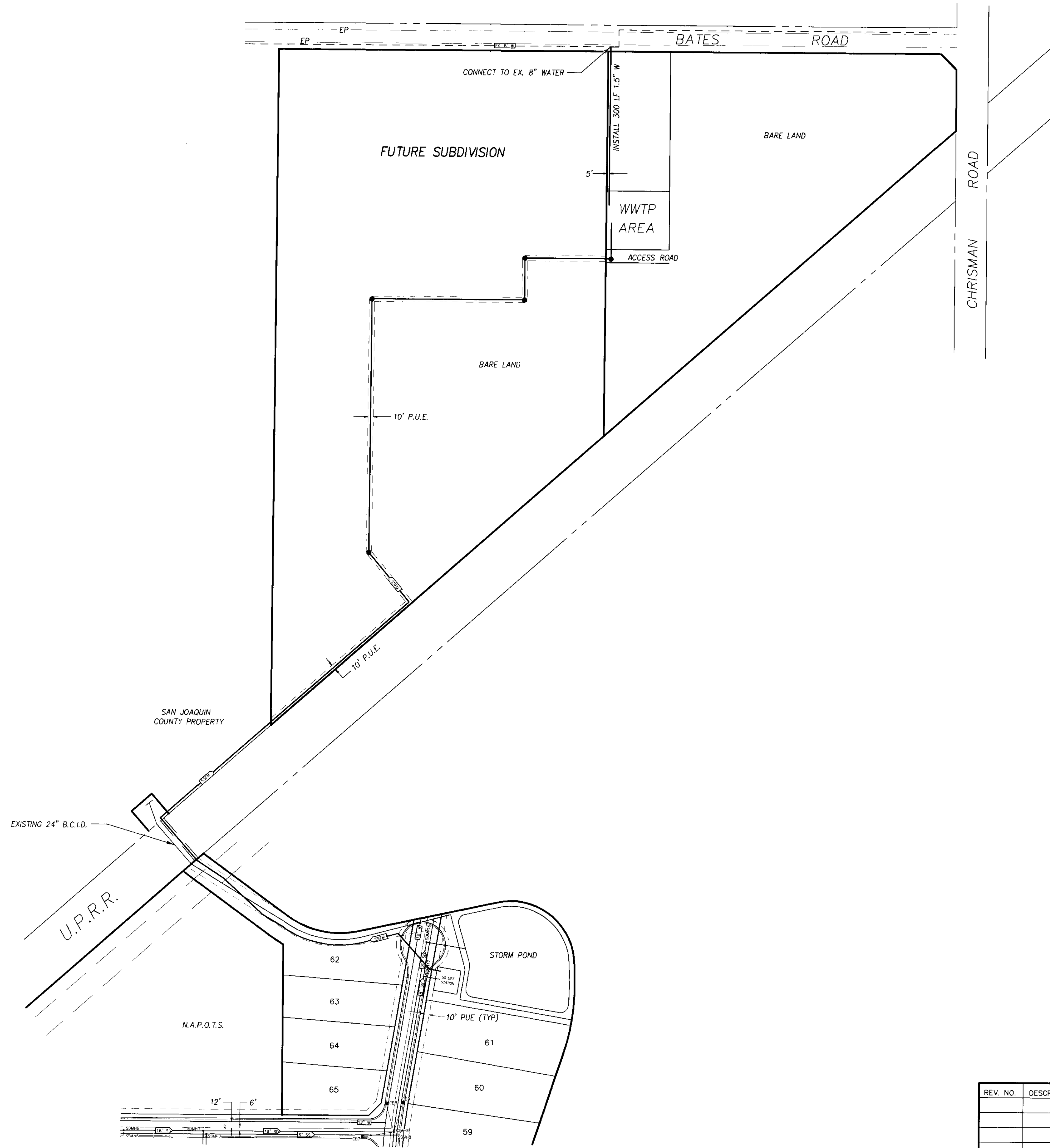


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CARBONA STATION
 SANITARY SEWER FORCE MAIN
 STA. 10 + 00 TO STA. 17 + 57.27

OCTOBER, 2003 TRACY, CALIFORNIA		BENCH MARK: BB-42 EL: 138.58	SHEET NO. 26B
REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED
			DRAWN BY: SM
			DESIGNED BY: BG
			CHECKED BY: CD
			AS BUILT BY:
DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.		JOB NO. 0005	OF 27 SHEETS

SCALE: $1" = 100'$



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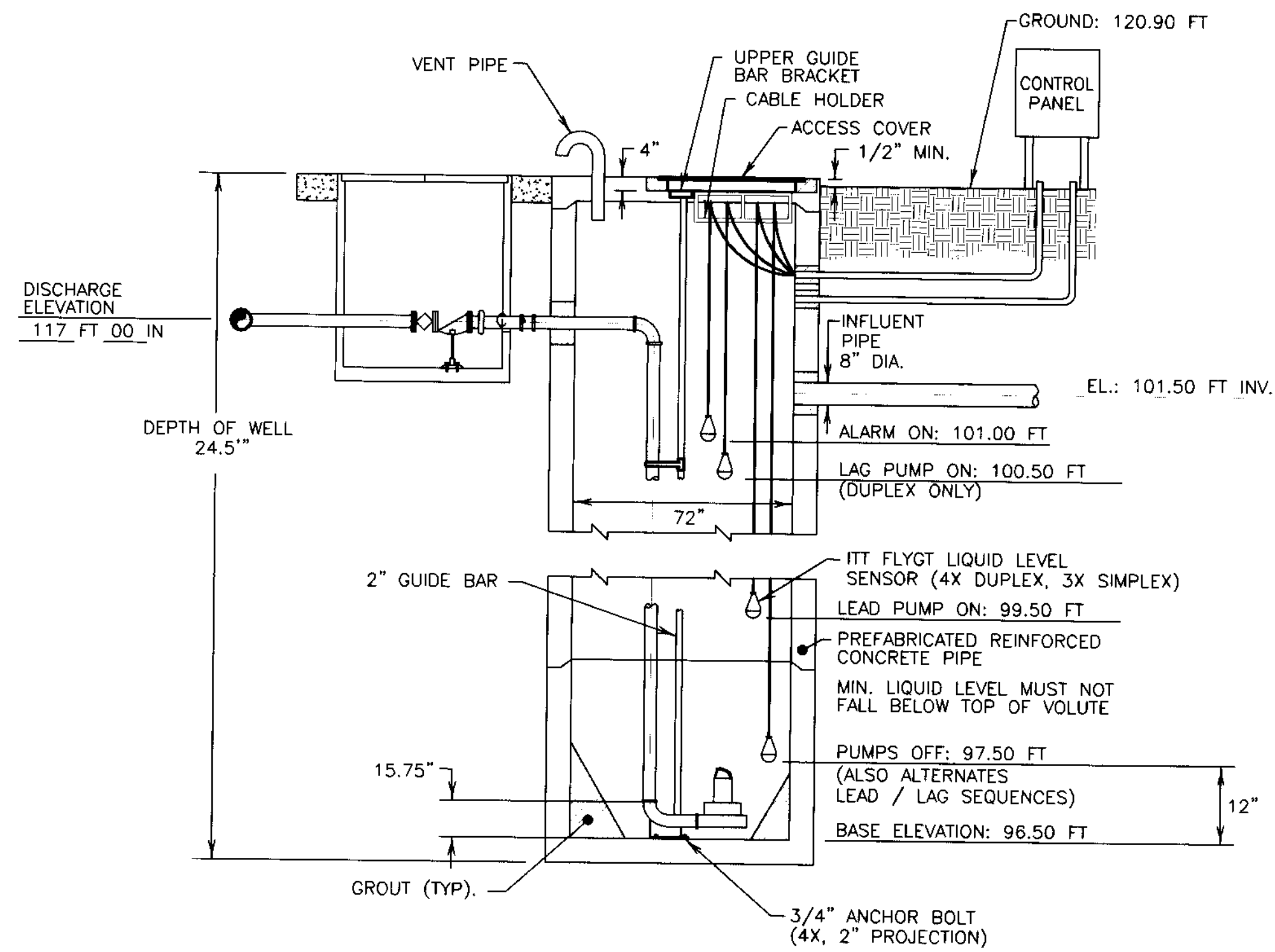
IMPROVEMENT PLANS FOR TRACT NO. 2949
 CARBONA STATION

OVERALL SANITARY SEWER-LIFT STATION TO WWTP

OCTOBER, 2003
 SAN JOAQUIN COUNTY

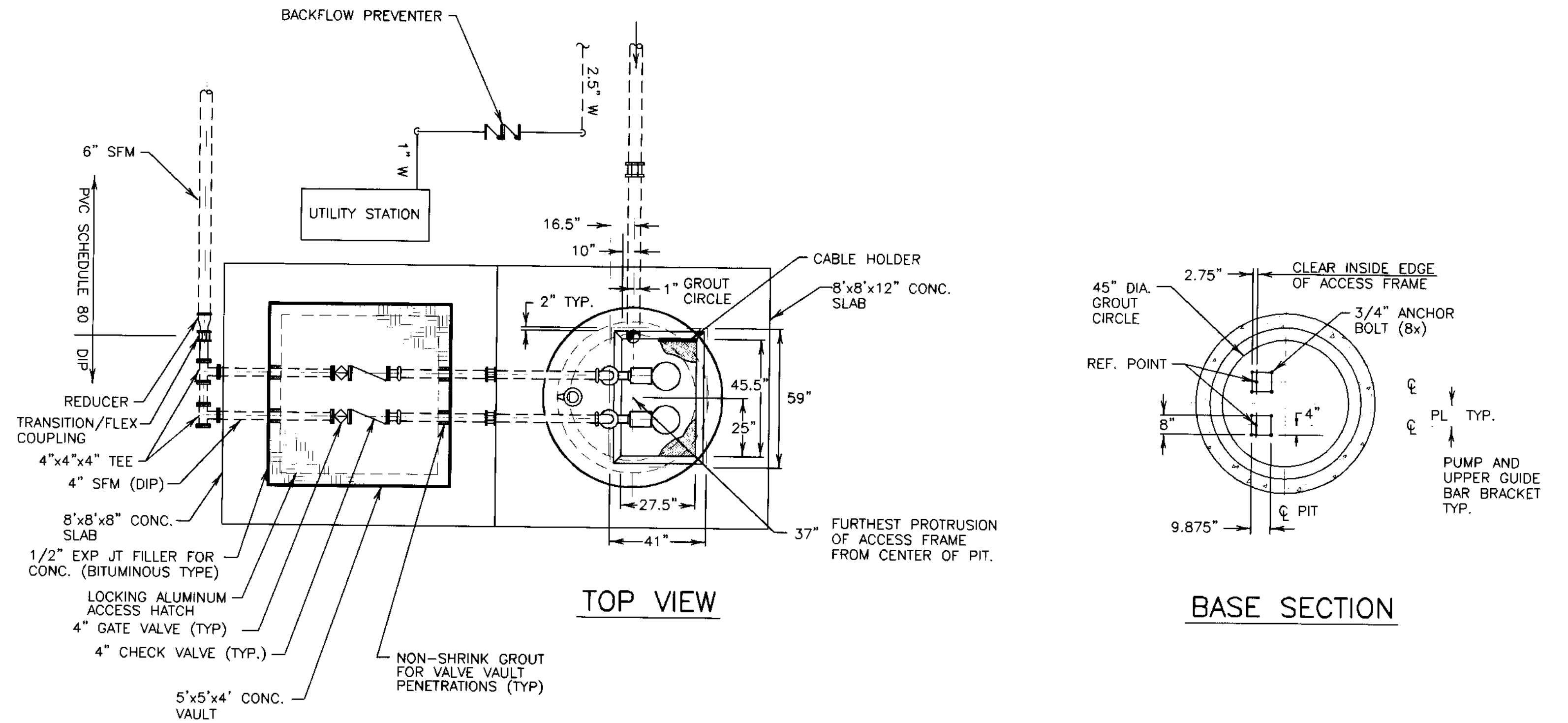
REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 100'	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: BG	DESCRIPTION:	26A
			DESIGNED BY: BG	BRASS CAP S/W CORNER OF	OF 27 SHEETS
			CHECKED BY: BG	CONCRETE CULVERT 114" NORTH	JOB NO.
			AS BUILT BY:	OF LINNE RD. ON THE WEST SIDE	0005
				OF MAC ARTHUR DRIVE.	

SU 3705



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.



NOTES:

1. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY CONSTRUCTION PERMITS, APPROVALS AND LICENSES PRIOR TO BEGINNING CONSTRUCTION.
2. PUMPS P1 AND P2 SHALL BE SUBMERSIBLE SEWAGE PUMPS EACH RATED AT A DESIGN POINT OF 112 GPM @ 23' TDH AT A MINIMUM EFFICIENCY OF 35% WITH A 4" DISCHARGE AND A 3 HP MOTOR. MOTORS SHALL BE 3 PHASE, 4 POLE, 240 VAC DESIGNED FOR SUBMERSIBLE WASTEWATER SERVICE. PUMPS SHALL BE MANUFACTURED BY FLYGT. (CP 3085)
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.
4. ACCESS FRAMES AND COVERS SHALL HAVE STAINLESS STEEL COMPRESSION SPRING ASSIST, STAINLESS STEEL LIFTING HANDLES, HINGES, AND ATTACHING HARDWARE. STAINLESS STEEL LOCKING 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 PAD 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, SKID 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.
 - 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 SKID 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.

54 3706

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**SANITARY SEWER LIFT STATION
CARBONA STATION**

DETAIL SHEET

REV. NO.	DESCRIPTION	DATE	SCALE:	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: SM/EK	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	26
			DESIGNED BY: JM		OF 27 SHEETS
			CHECKED BY: CD		JOB NO. 0005
			AS BUILT BY:		

BY: [Signature]



SCALE: $1" = 5'$

RECORD DRAWING
 Corrections By BB
 No Changes By _____
 Date 1/26/05
 Any Person Using This Drawing Should Verify
 All Information By Inspecting The Site Or Work

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**SANITARY SEWER LIFT STATION
 CARBONA STATION**

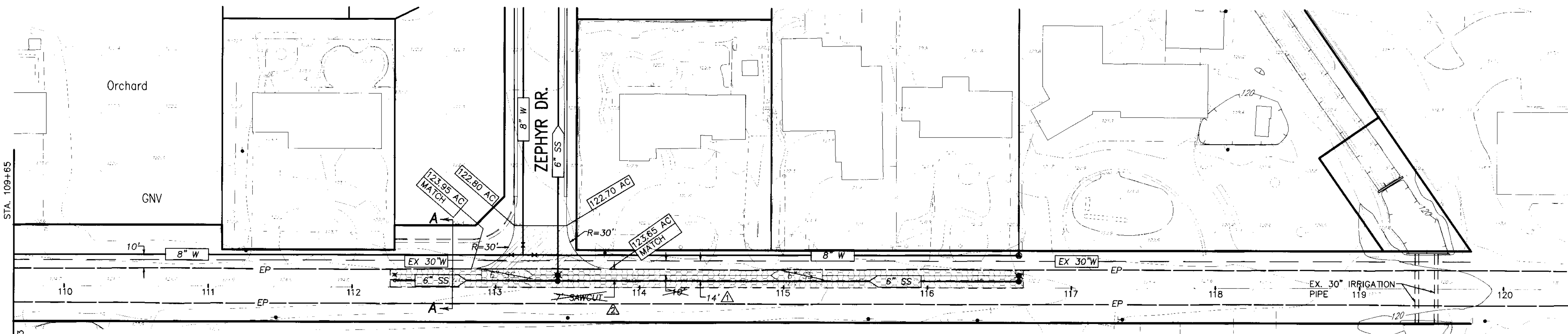
SITE PLAN

OCTOBER, 2003
 SAN JOAQUIN COUNTY

BEFORE YOU DIG
 CALL USA UNDERGROUND SERVICE ALERT
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 TOLL FREE 1-800-227-2600

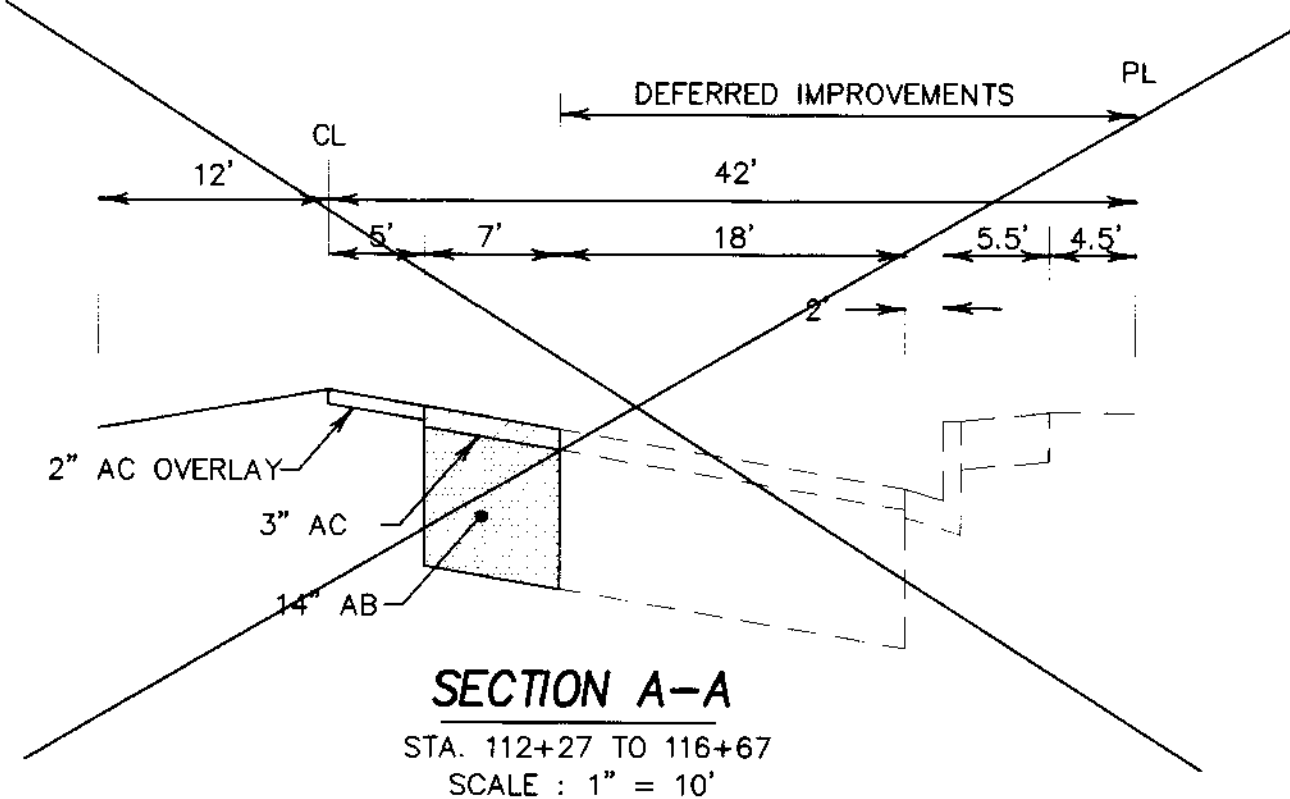
KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND
 PEOPLE 10 FEET FROM POWER LINES. IF YOU
 MUST WORK WITHIN 10 FEET OF POWER LINES
 PLEASE CALL PG&E @ 800-743-5000

REV. NO.	DESCRIPTION	DATE	SCALE: AS SHOWN	BENCH MARK: BB-42 EL: 138.58	SHEET
1	REVISE TO 2" WATER	1/5/05	DRAWN BY: SM/EK	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	25
2	REVISE PANEL LOC.	1/5/05	DESIGNED BY: JM		OF 27 SHEETS
			CHECKED BY: CD		JOB NO. 0005
			AS BUILT BY:		

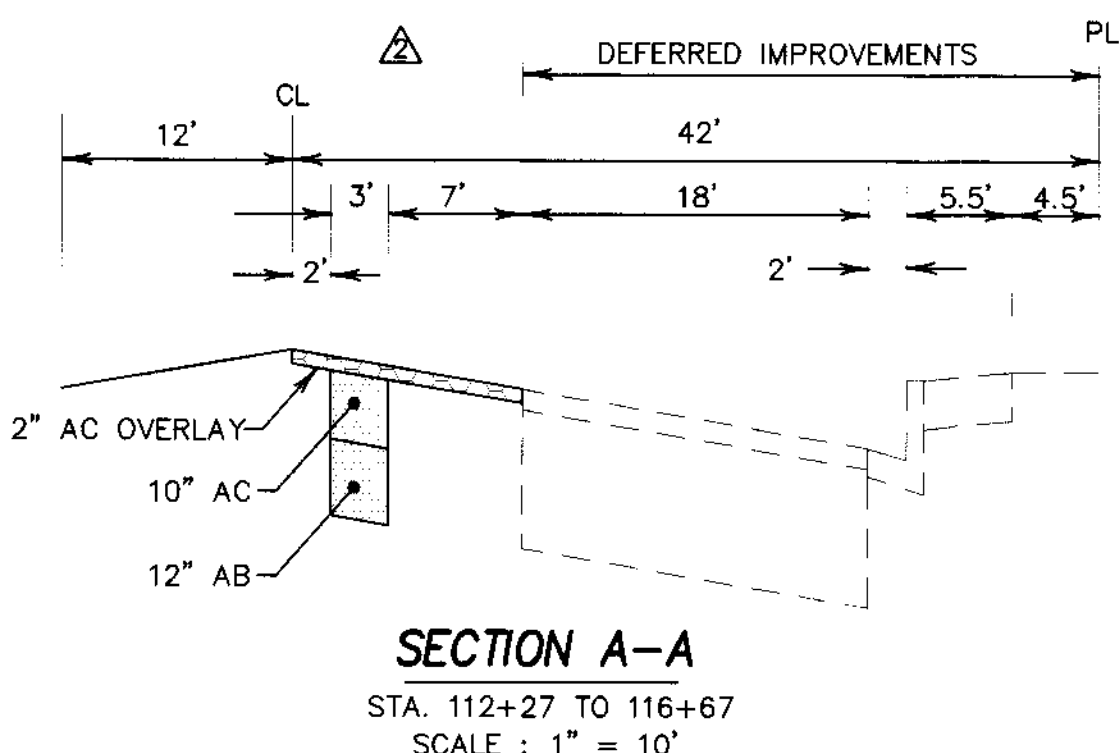


RECORD DRAWING
 Corrections By BB
 No Changes By _____
 Date 1/26/05
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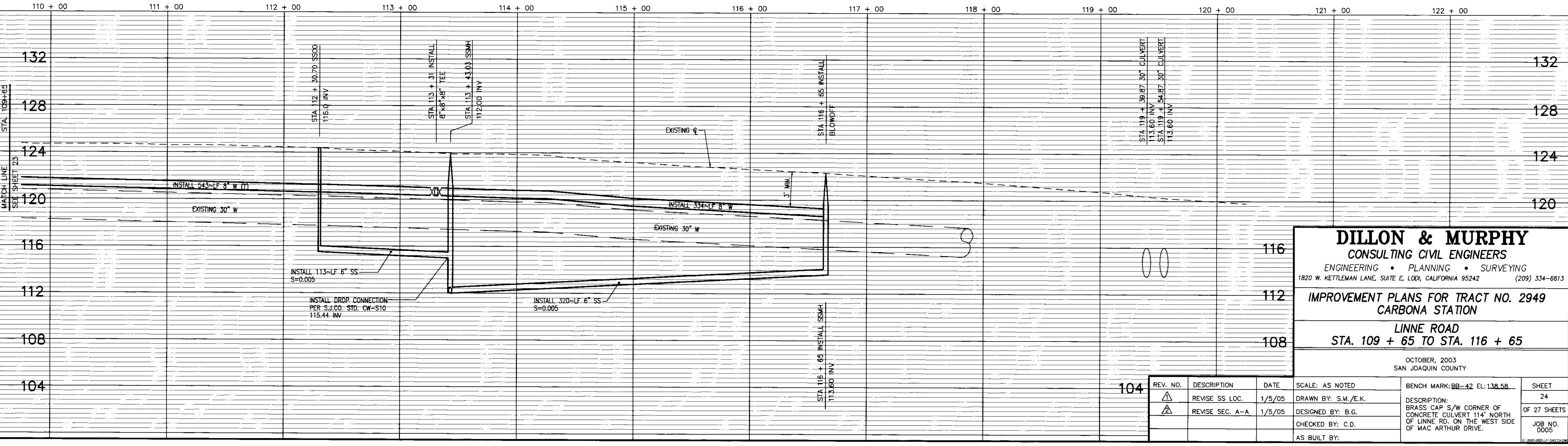


LINNE ROAD
 SCALE:
 HORIZ: 1" = 40'
 VERT: 1" = 4'



LEGEND

- | | | | |
|--------|--|--------|-------------------------------------|
| AC. | ASPHALT CONCRETE | LP | LOW POINT |
| TC. | TOP OF CURB | FG | FINISHED GRADE |
| W | WATER | GB | GRADE BREAK |
| SD | STORM DRAIN | (TYP.) | TYPICAL |
| E/P | EDGE OF PAVEMENT | SS | SANITARY SEWER |
| F.F. | FINISH FLOOR | INV | INVERT |
| P.U.E. | PUBLIC UTILITY EASEMENT | (2) | SEE CONSTRUCTION NOTES |
| STA. | STATION | EX | EX. POWER POLE |
| CL | CENTERLINE | (X) | PROPOSED STREET LIGHT |
| EX | EXISTING | (H) | PROPOSED CATCH BASIN |
| OG | ORIGINAL GROUND | (W) | PROPOSED WATER VALVE |
| SDMH | PROPOSED STORM DRAIN MAINTENANCE HOLE | (V) | EXISTING WATER VALVE |
| SSMH | PROPOSED SANITARY SEWER MAINTENANCE HOLE | (C) | PROPOSED BLOWOFF |
| HP | HIGH POINT | (S) | PROPOSED CLEANOUT |
| (T) | TOTAL | (H) | 3" AC, 14" AB,
NATIVE @ 95% R.C. |
| SSCO | SANITARY SEWER CLEAN OUT | (S) | 2" AC GRINDING,
AC OVERLAY |



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**IMPROVEMENT PLANS FOR TRACT NO. 2949
 CARBONA STATION**

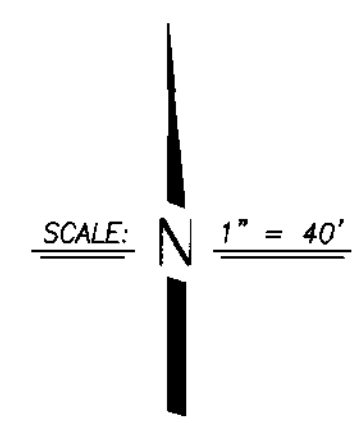
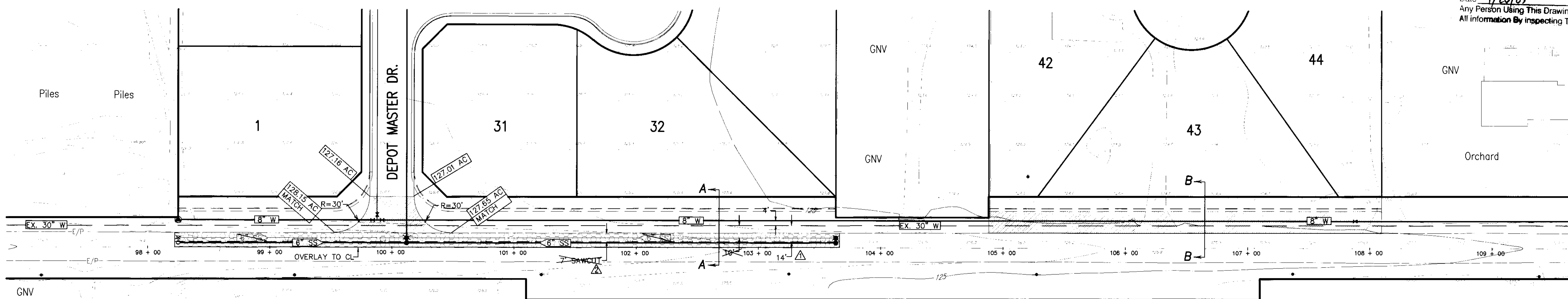
**LINNE ROAD
 STA. 109 + 65 TO STA. 116 + 65**

OCTOBER, 2003
 SAN JOAQUIN COUNTY

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
1	REVISE SS LOC.	1/5/05	DRAWN BY: S.M./E.K.	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	24
2	REVISE SEC. A-A	1/5/05	DESIGNED BY: B.G.		OF 27 SHEETS
			CHECKED BY: C.D.		JOB NO. 0005
			AS BUILT BY:		

RECORD DRAWING

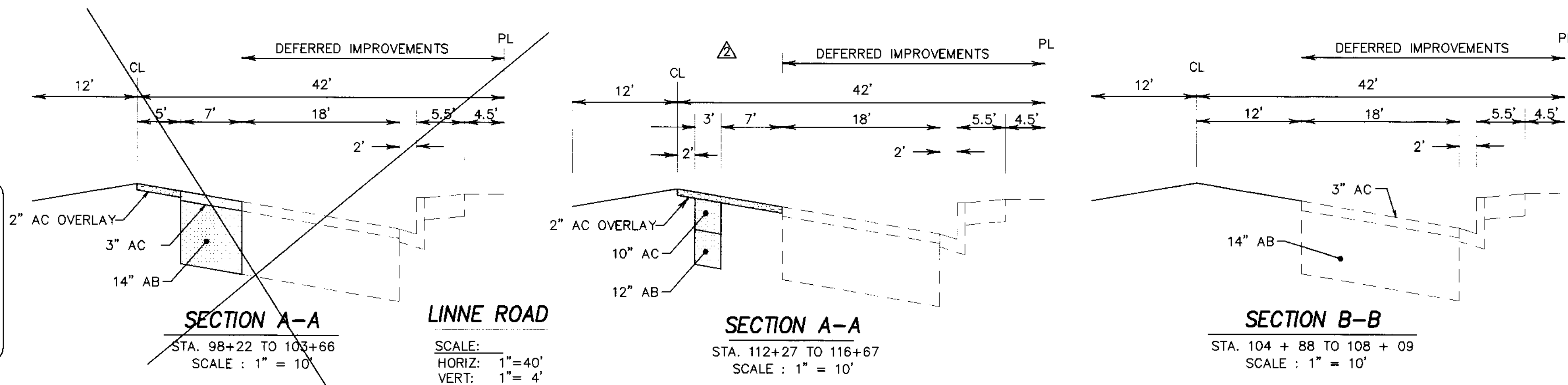
Corrections By BG
 No Changes By
 Date 1/26/05
 Any Person Using This Drawing Should Verify
 All Information By Inspecting The Site Of Work



BEFORE YOU DIG

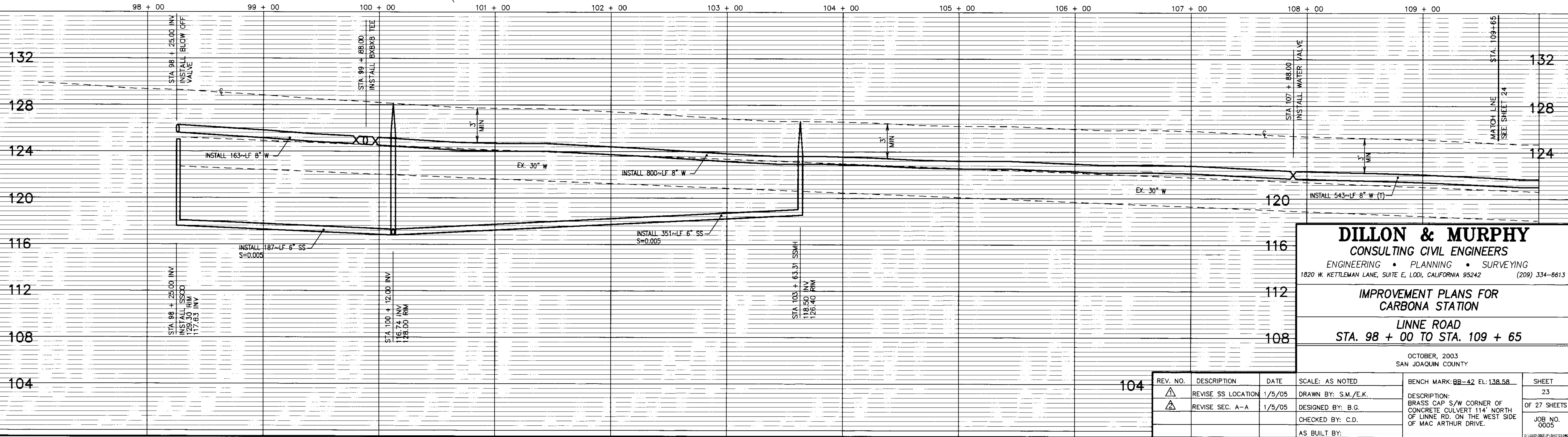
CALL USA UNDERGROUND SERVICE ALERT
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LEGEND

- 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
- SDMH. PROPOSED STREET LIGHT
- SSMH. PROPOSED CATCH BASIN
- HP. PROPOSED FIRE HYDRANT
- (T). PROPOSED WATER VALVE
- SSCO. EXISTING WATER VALVE
- SSCO. PROPOSED BLOWOFF
- LP. LOW POINT
- FG. FINISHED GRADE
- 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
- PROPOSED BLOWOFF
- 3" AC, 14" AB, NATIVE @ 95%
- AC GRINDING, 2" AC OVERLAY



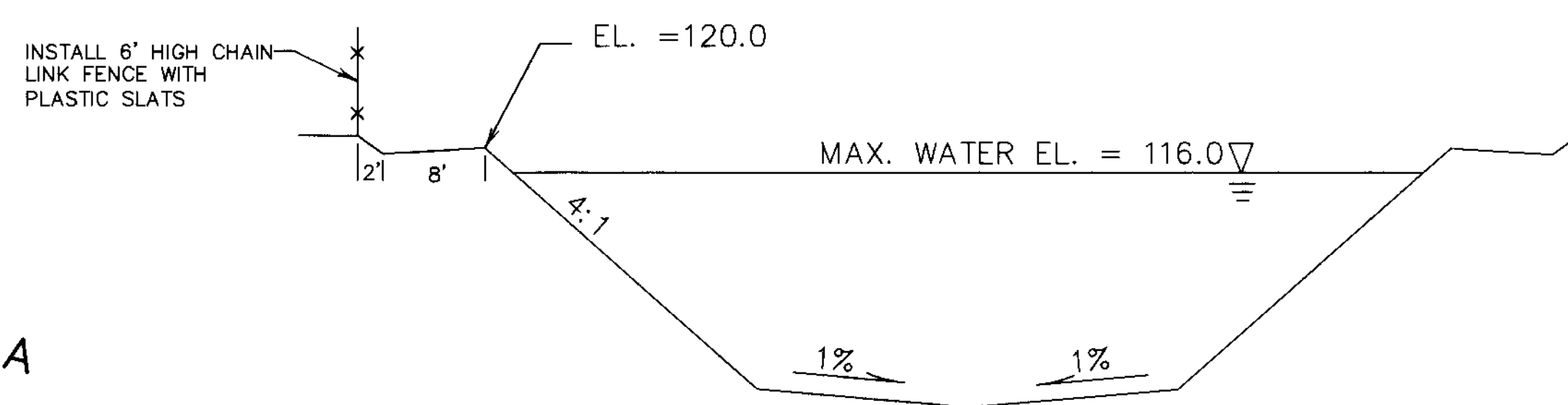
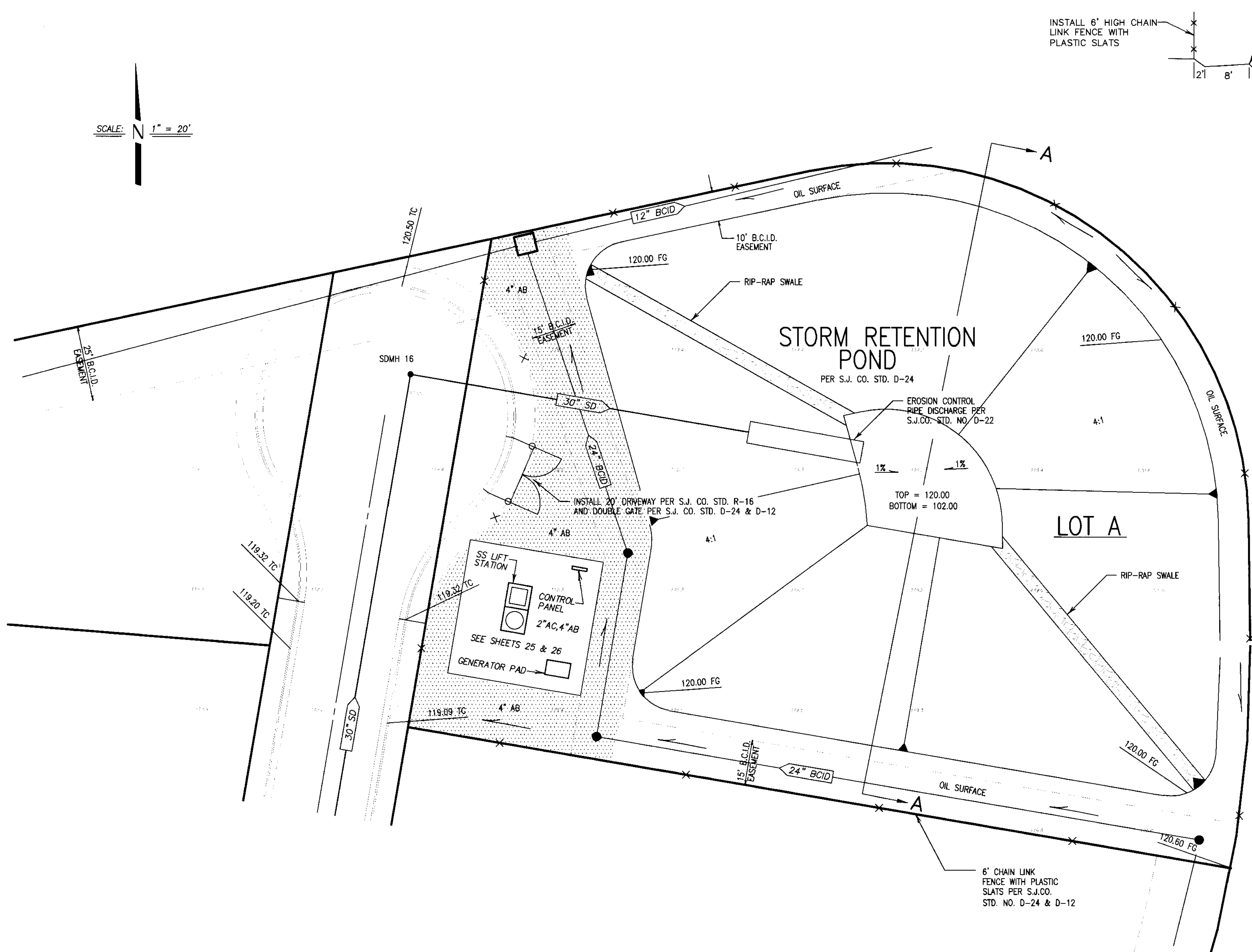
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**IMPROVEMENT PLANS FOR
 CARBONA STATION**

**LINNE ROAD
 STA. 98 + 00 TO STA. 109 + 65**

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
104	REVISE SS LOCATION	1/5/05	DRAWN BY: S.M./E.K.	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	23
	REVISE SEC. A-A	1/5/05	DESIGNED BY: B.G.		OF 27 SHEETS
			CHECKED BY: C.D.		JOB NO. 0005
			AS BUILT BY:		

SCALE: 1" = 20'



SECTION A-A
NOT TO SCALE

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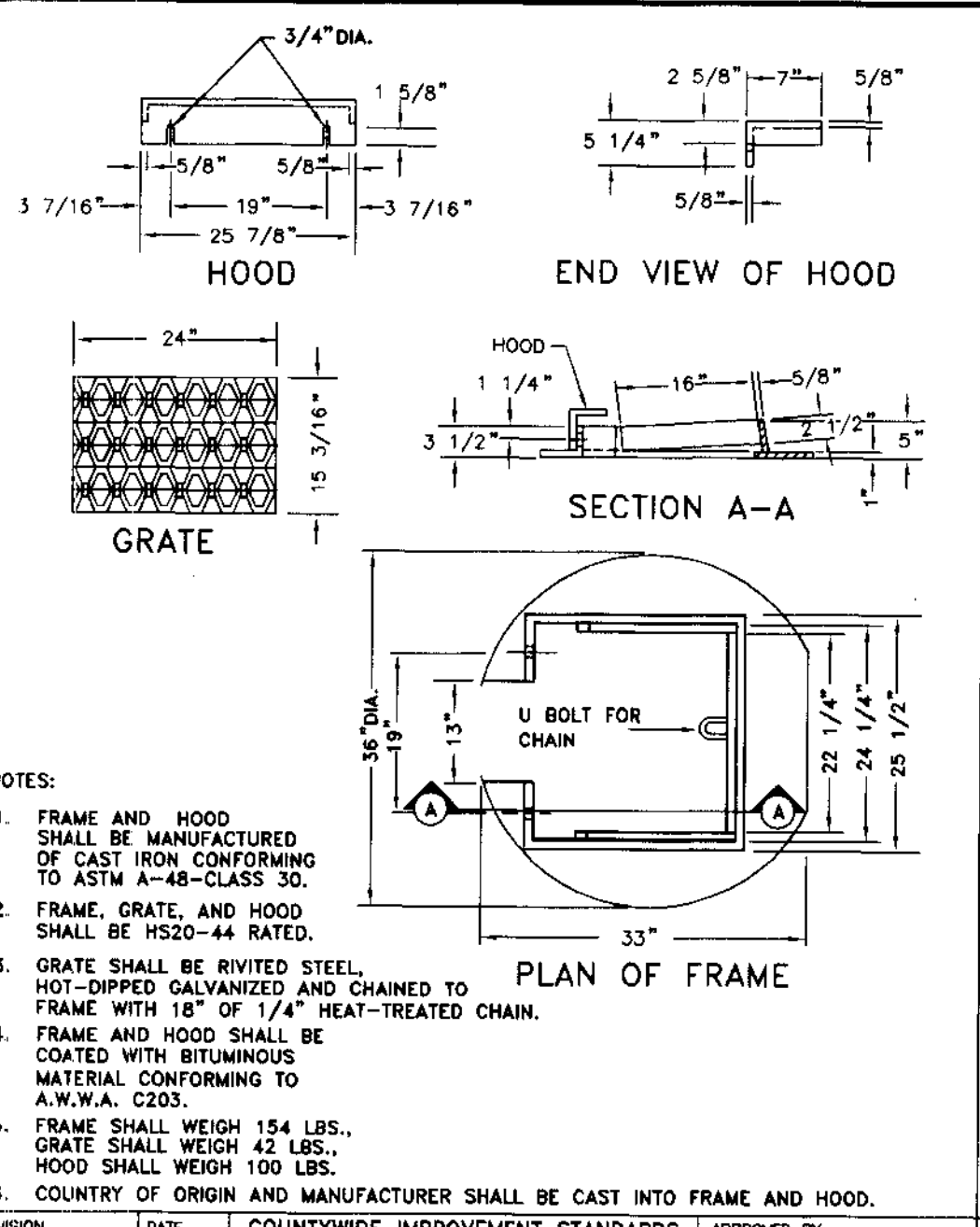
IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION

STORM RETENTION BASIN PLAN

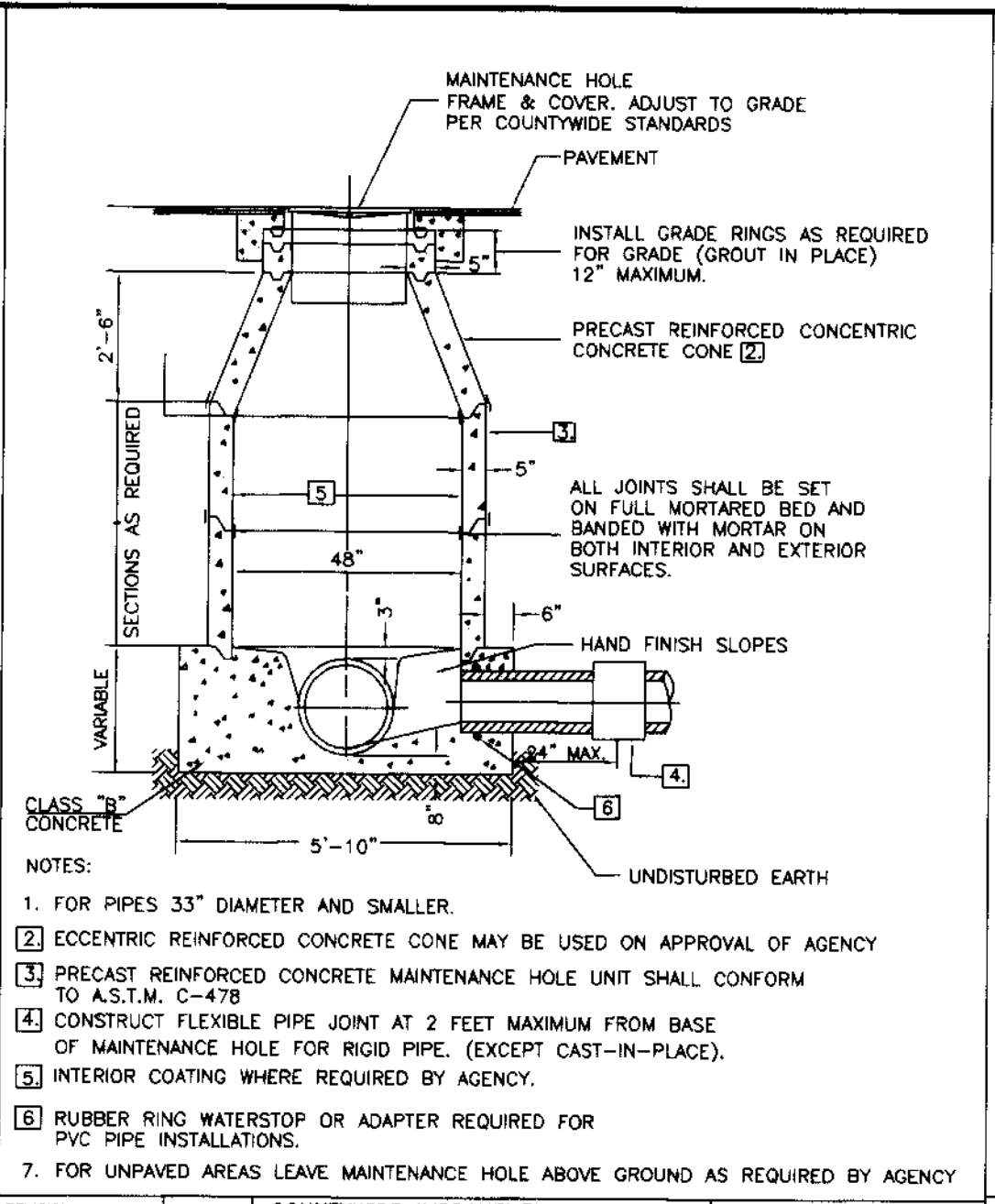
OCTOBER 2003
SAN JOAQUIN COUNTY

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 20'	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: BG/MT	BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR ROAD.	22
			DESIGNED BY: BG		OF 27 SHEETS
			CHECKED BY: JM		JOB NO. 0005
			AS BUILT BY:		

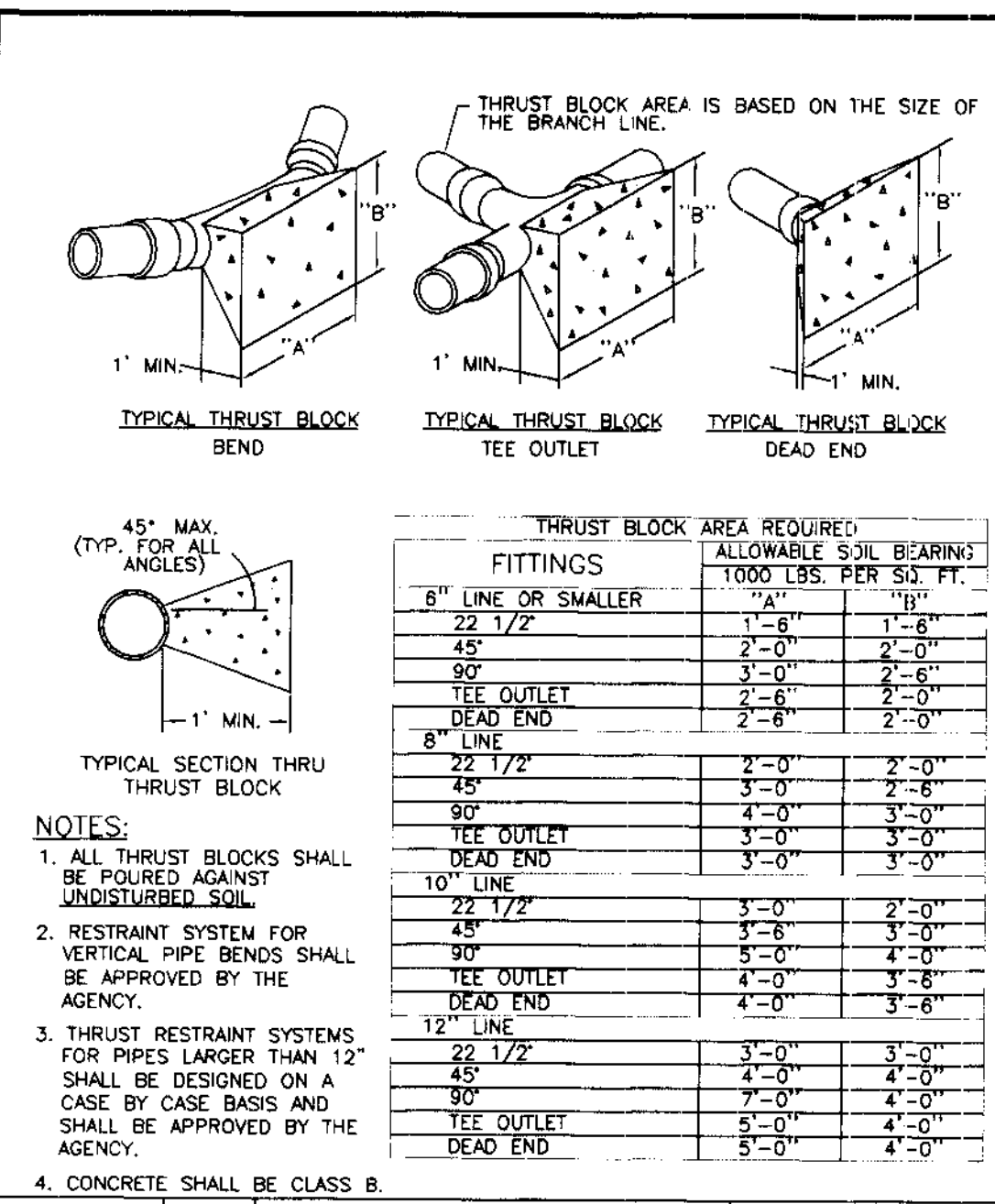
SM 3710



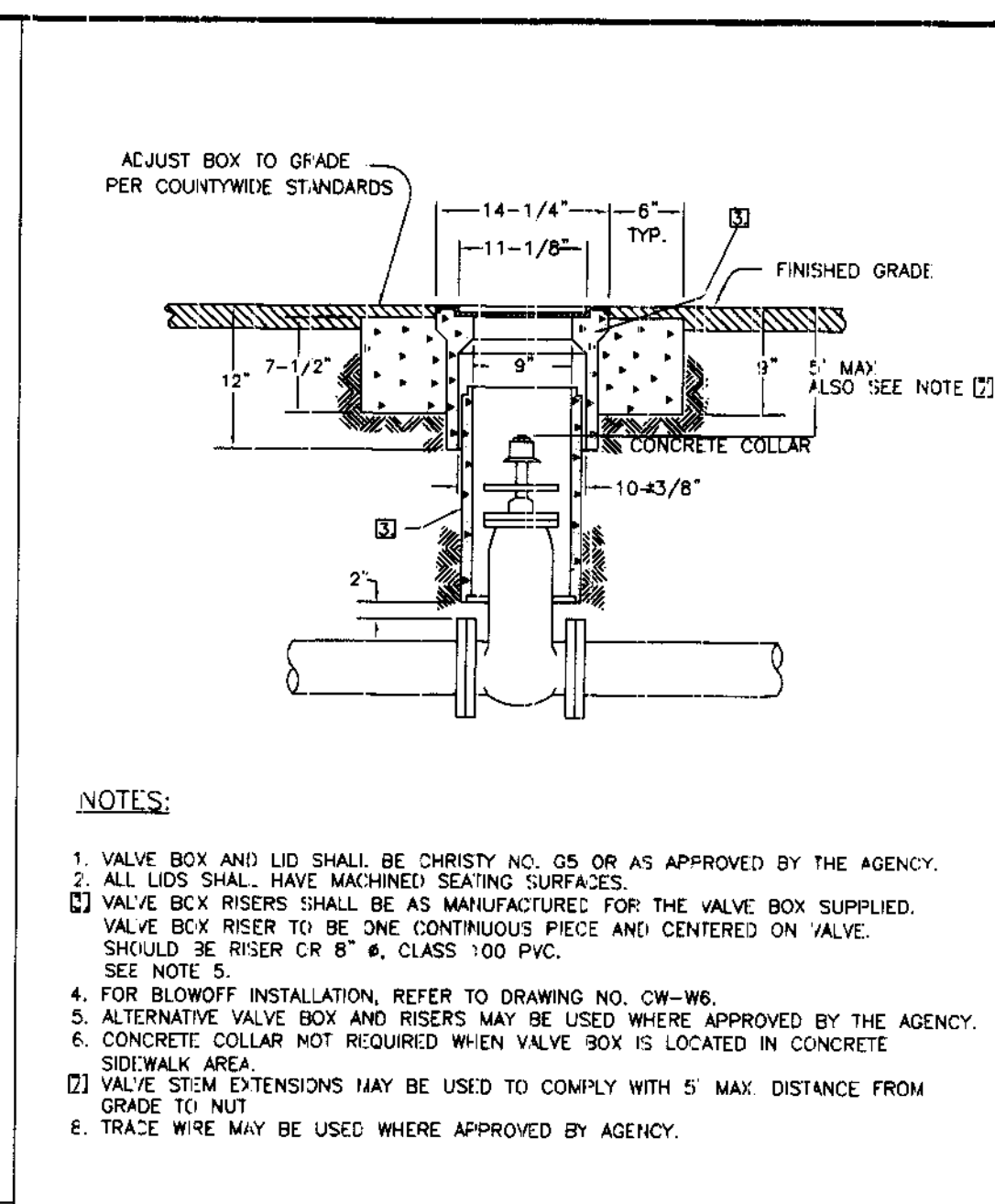
- NOTES:
- FRAME AND HOOD SHALL BE MANUFACTURED OF CAST IRON CONFORMING TO ASTM A-48-CLASS 30.
 - FRAME, GRATE, AND HOOD SHALL BE HS20-44 RATED.
 - GRATE SHALL BE RIVETED STEEL, HOT-DIPPED GALVANIZED AND CHAINED TO FRAME WITH 1/4\"/>



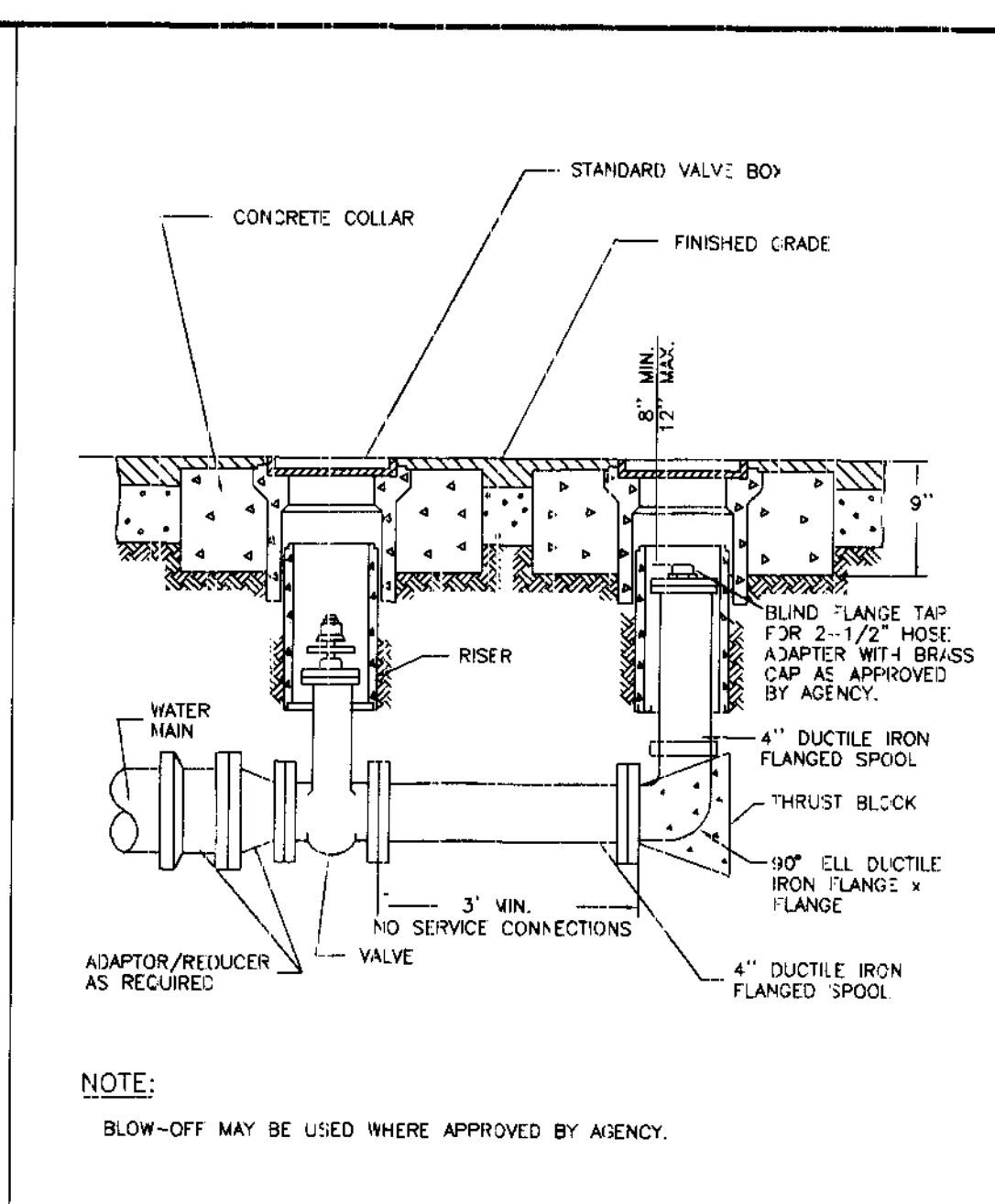
- NOTES:
- FOR PIPES 33\"/>



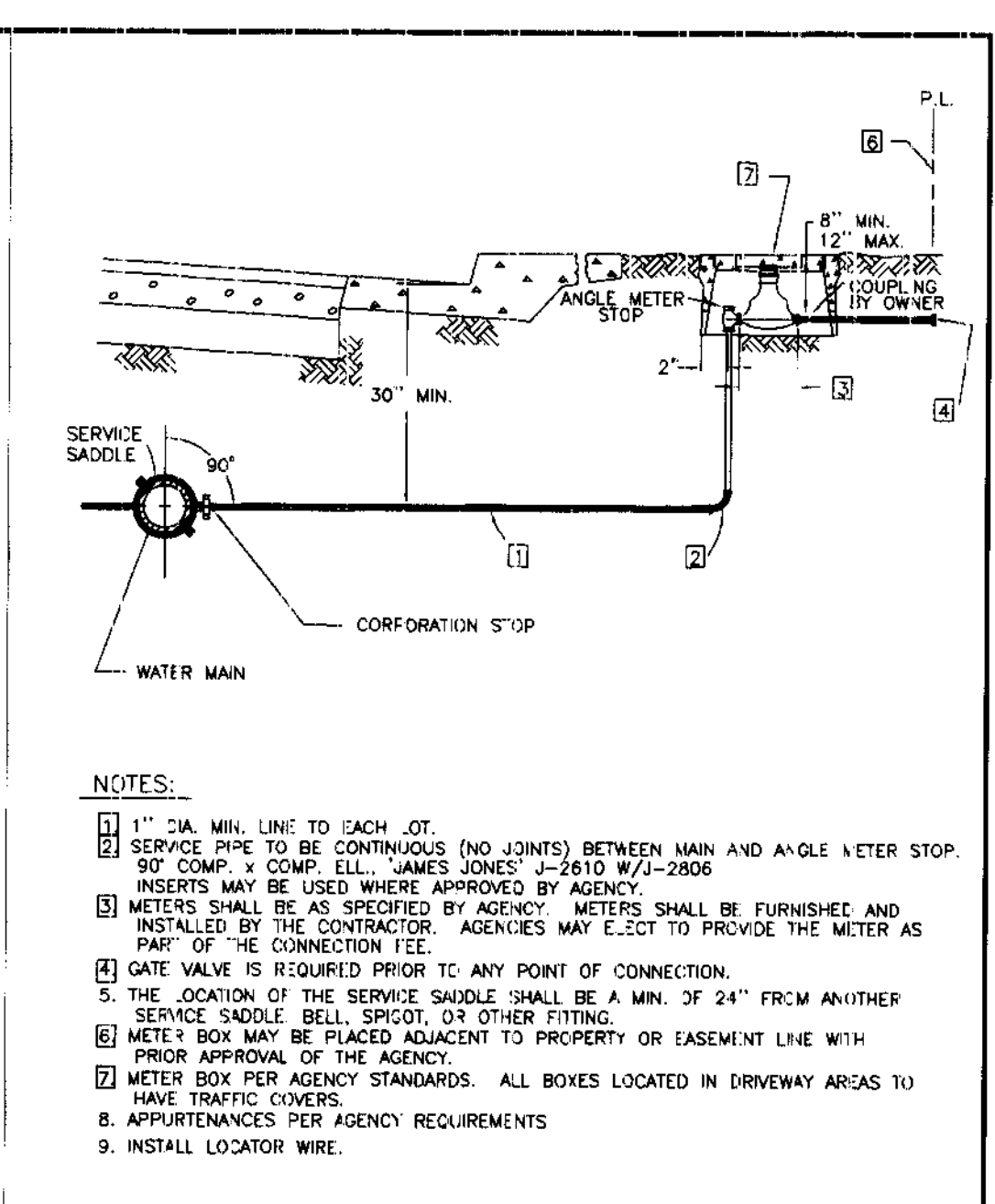
- NOTES:
- ALL THRUST BLOCKS SHALL BE POURED AGAINST UNDISTURBED SOIL.
 - RESTRAINT SYSTEM FOR VERTICAL PIPE BENDS SHALL BE APPROVED BY THE AGENCY.
 - THRUST RESTRAINT SYSTEMS FOR PIPES LARGER THAN 12\"/>



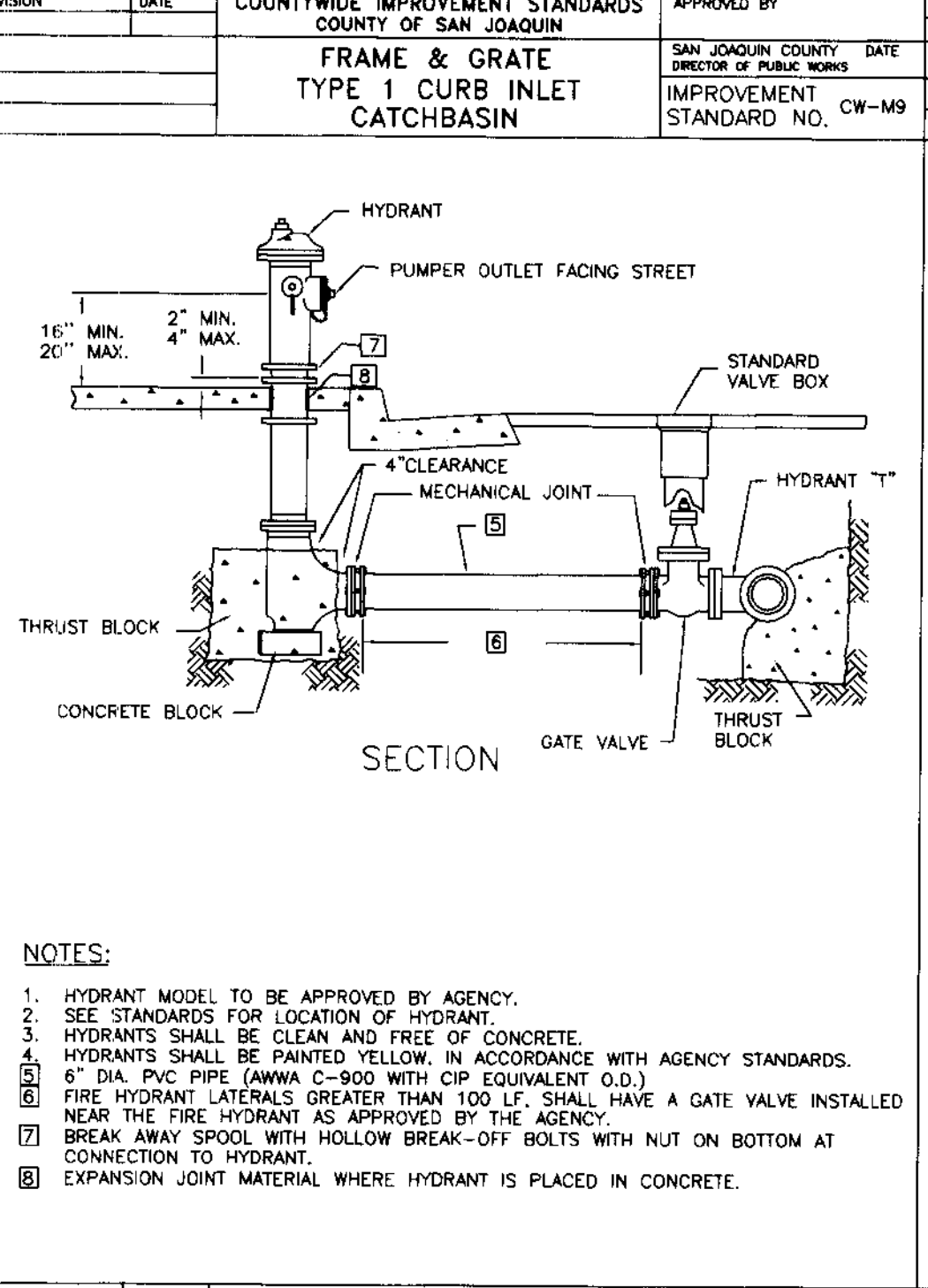
- NOTES:
- VALVE BOX AND LID SHALL BE CHRISTY NO. G5 OR AS APPROVED BY THE AGENCY.
 - ALL LIDS SHALL HAVE MACHINED SEATING SURFACES.
 - VALVE BOX RISERS SHALL BE AS MANUFACTURED FOR THE VALVE BOX SUPPLIED.



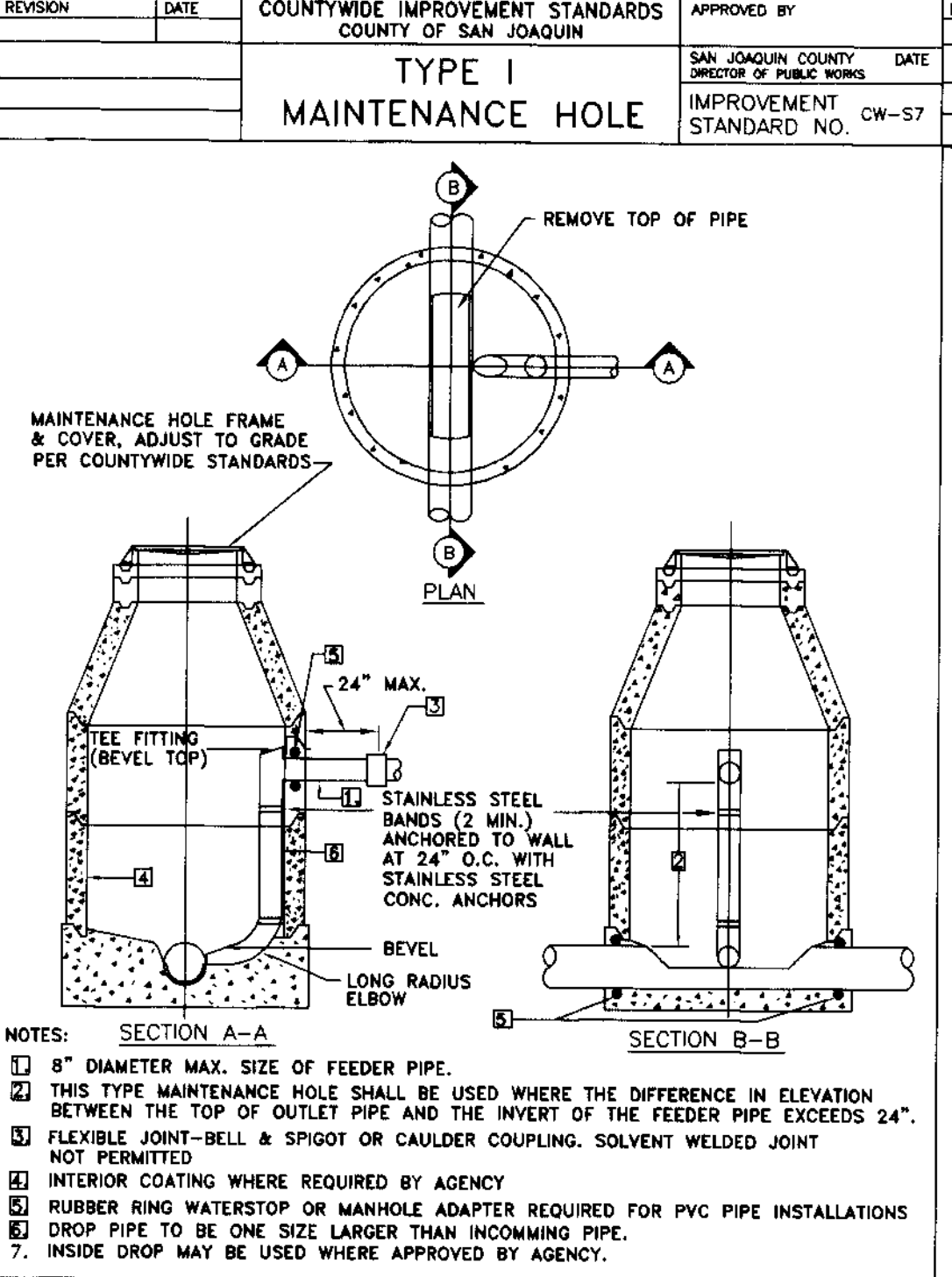
- NOTE:
- BLOW-OFF MAY BE USED WHERE APPROVED BY AGENCY.



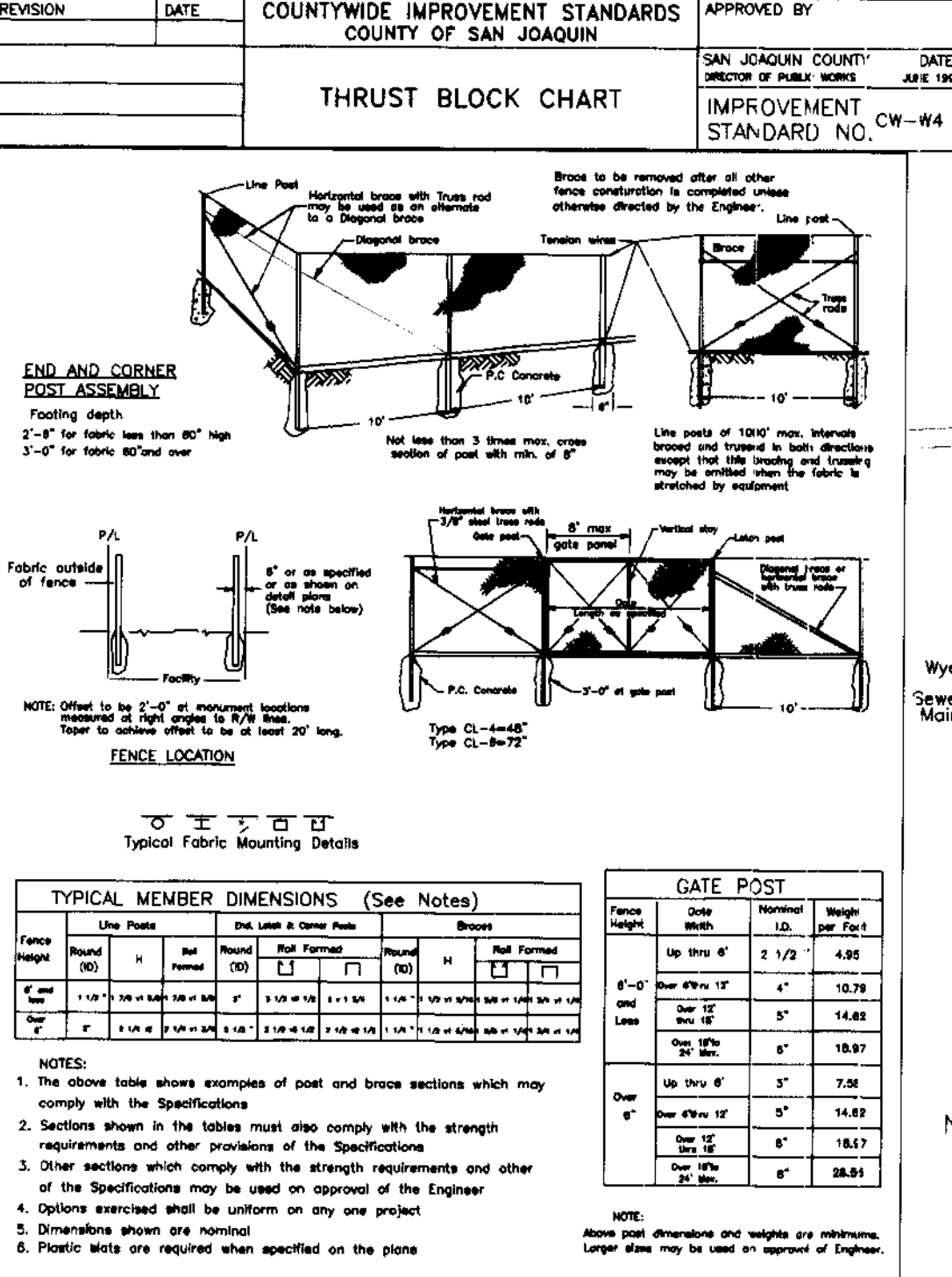
- NOTES:
- 1\"/>



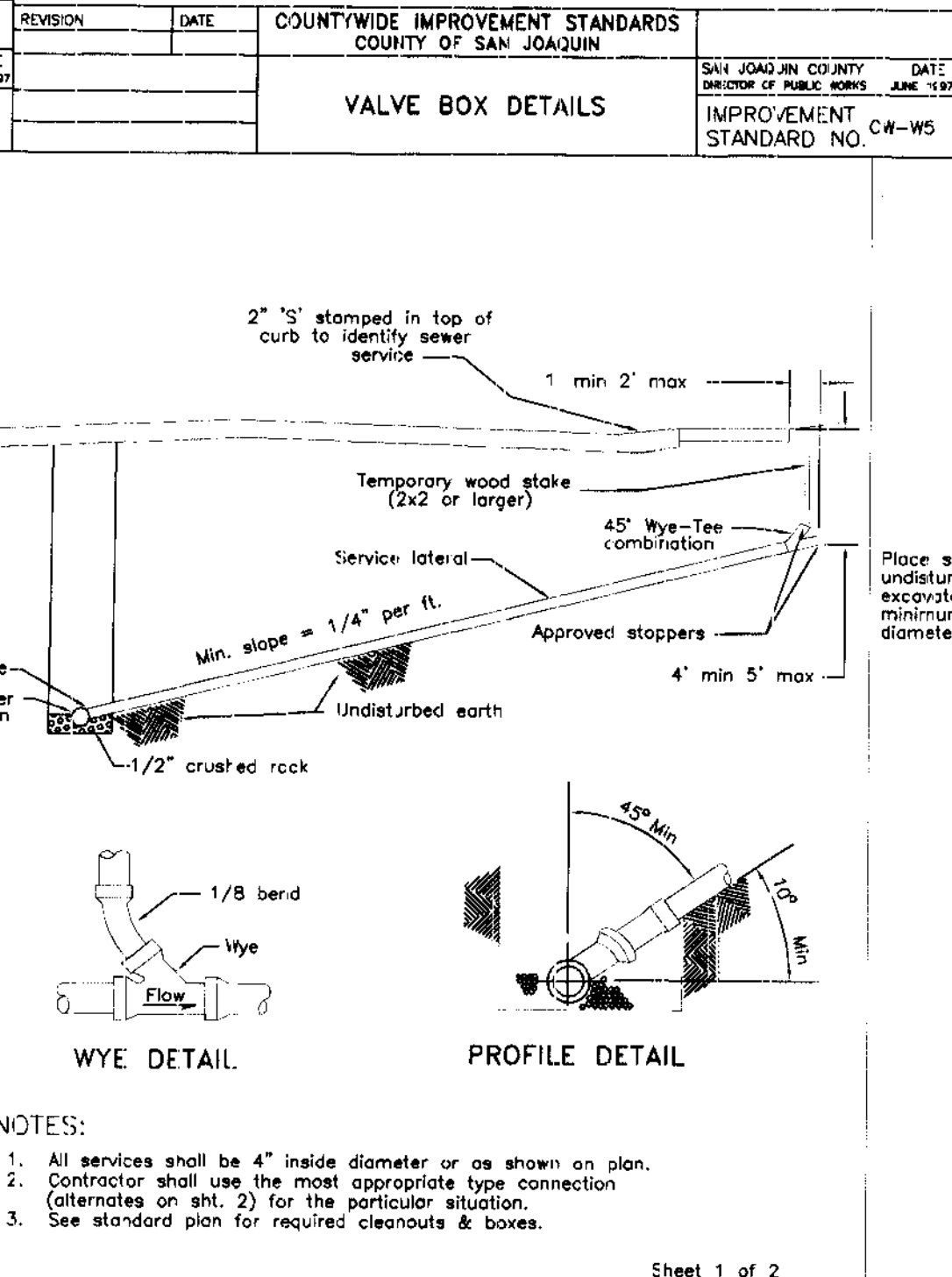
- NOTES:
- HYDRANT MODEL TO BE APPROVED BY AGENCY.
 - SEE STANDARDS FOR LOCATION OF HYDRANT.
 - HYDRANTS SHALL BE CLEAN AND FREE OF CONCRETE.



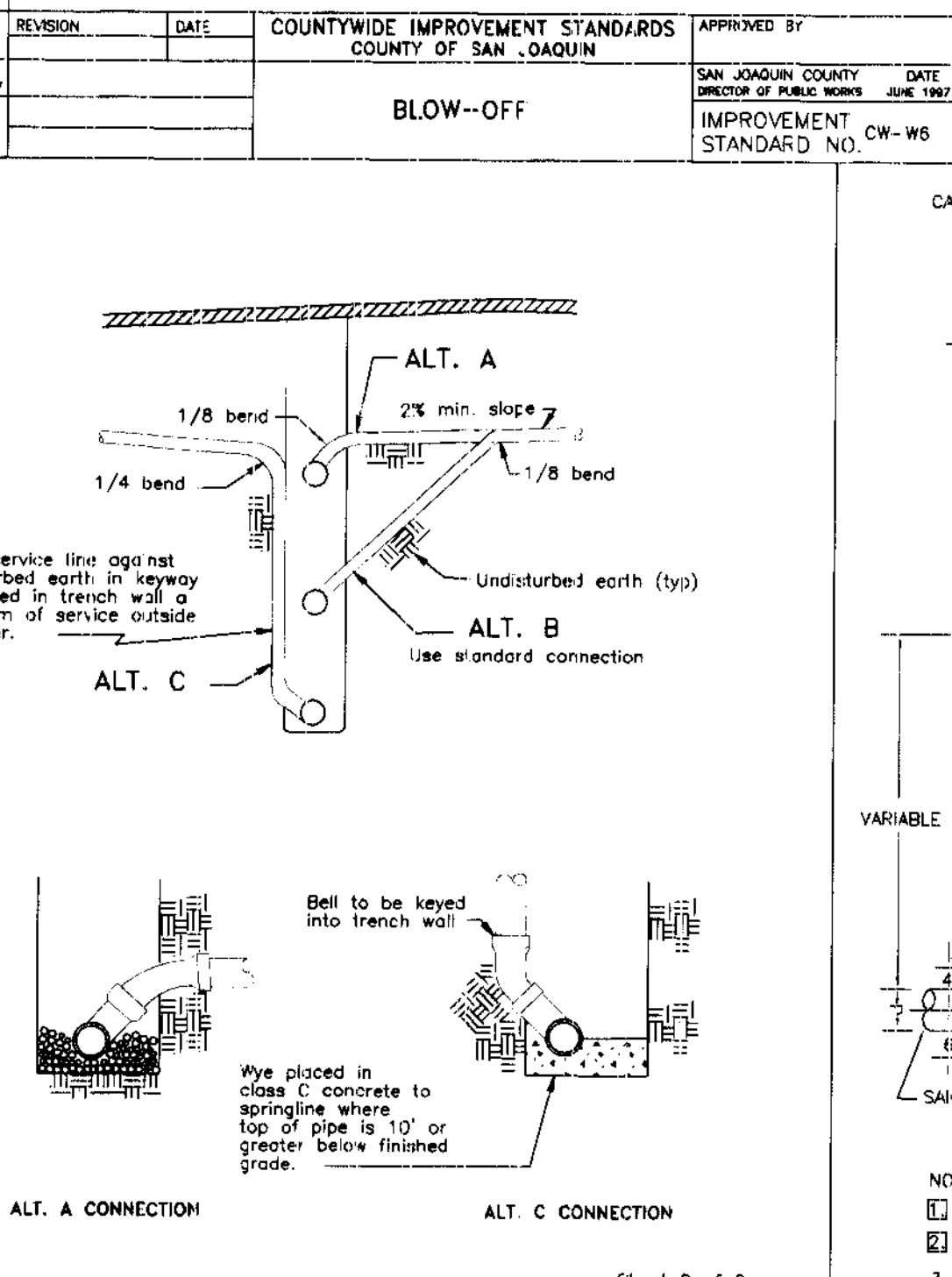
- NOTES:
- 8\"/>



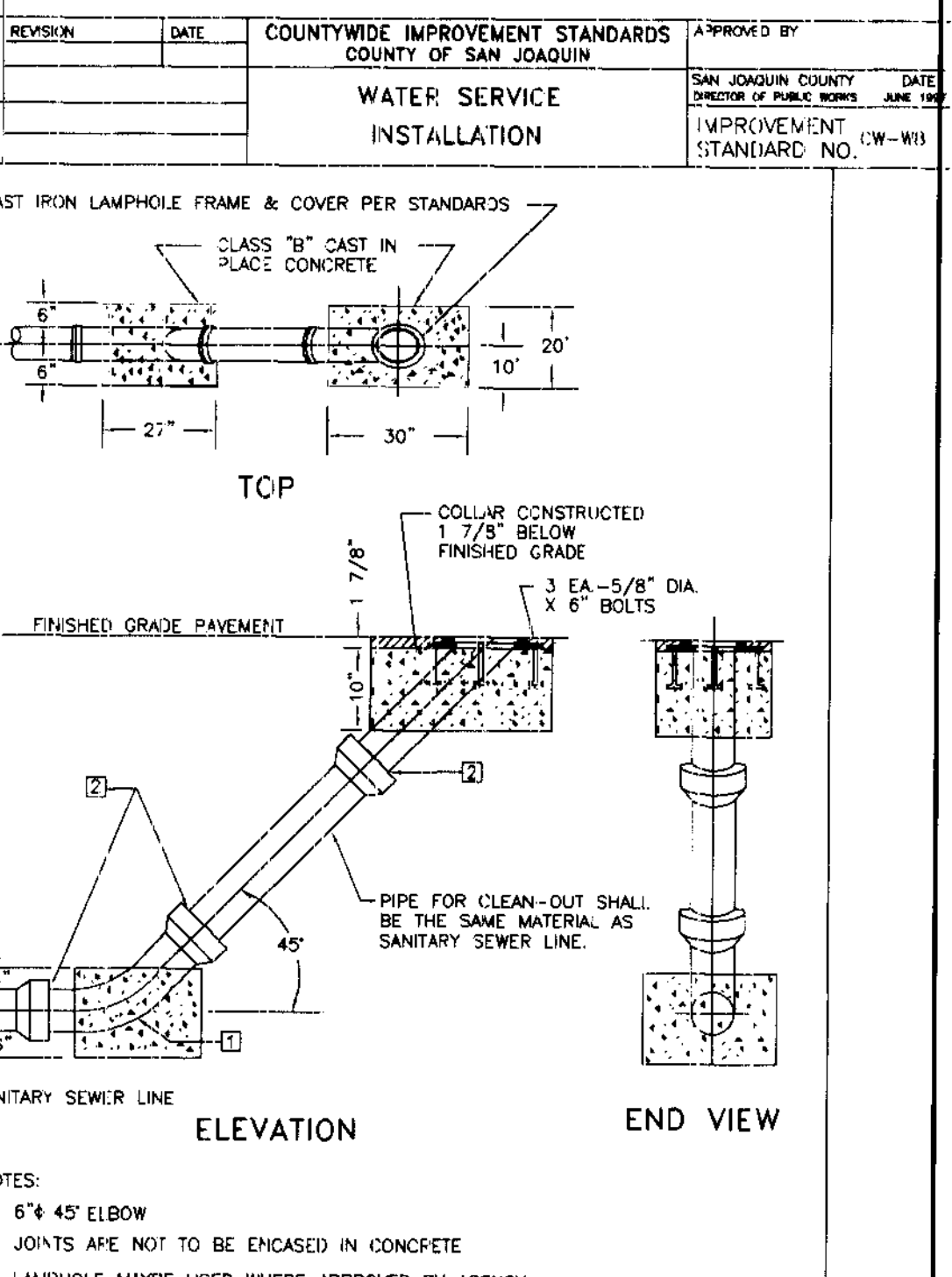
- NOTES:
- The above table shows examples of post and brace sections which may comply with the Specifications.
 - Sections shown in the tables must also comply with the strength requirements and other provisions of the Specifications.



- NOTES:
- All services shall be 4\"/>



- NOTES:
- LAMPHOLE MAYBE USED WHERE APPROVED BY AGENCY.



- NOTES:
- 6\"/>

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		FRAME & GRATE TYPE 1 CURBINLET CATCHBASIN	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		TYPE 1 MAINTENANCE HOLE	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		THRUST BLOCK CHART	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		VALVE BOX DETAILS	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		BLOW-OFF	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		WATER SERVICE INSTALLATION	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		FIRE HYDRANT ASSEMBLY	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		INSIDE SANITARY SEWER DROP MAINTENANCE HOLE	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		CHAIN LINK FENCE	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		SEWER SERVICE LATERAL	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		SEWER SERVICE LATERAL	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

REVISION	DATE	COUNTYWIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY
		SANITARY SEWER LAMPHOLE	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE: JUNE 1997

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1820 W. KETTLEMAN LANE, SUITE E, LODI, CALIFORNIA 95242 (209) 334-6612

IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION

SAN JOAQUIN COUNTY STANDARD PLANS

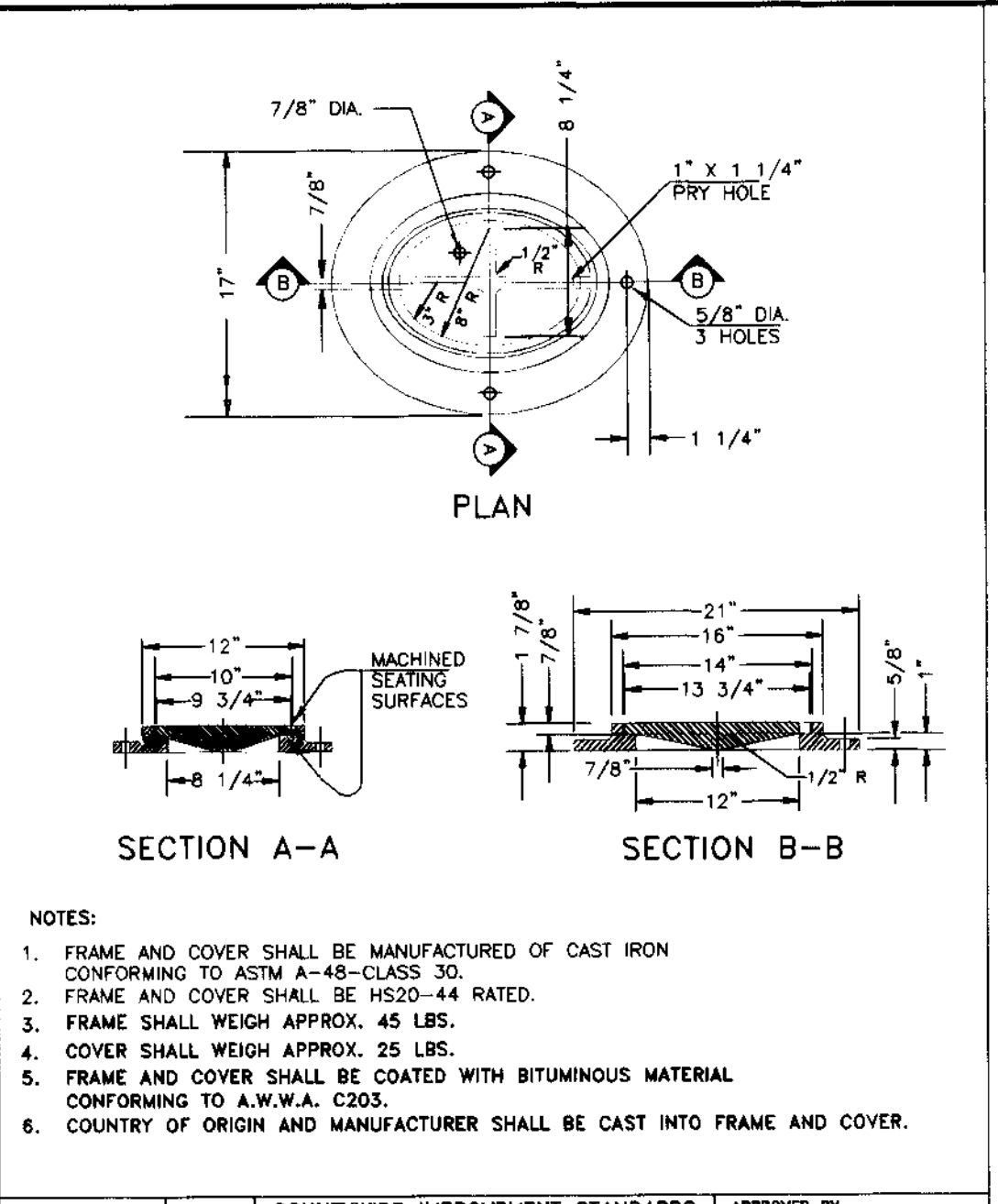
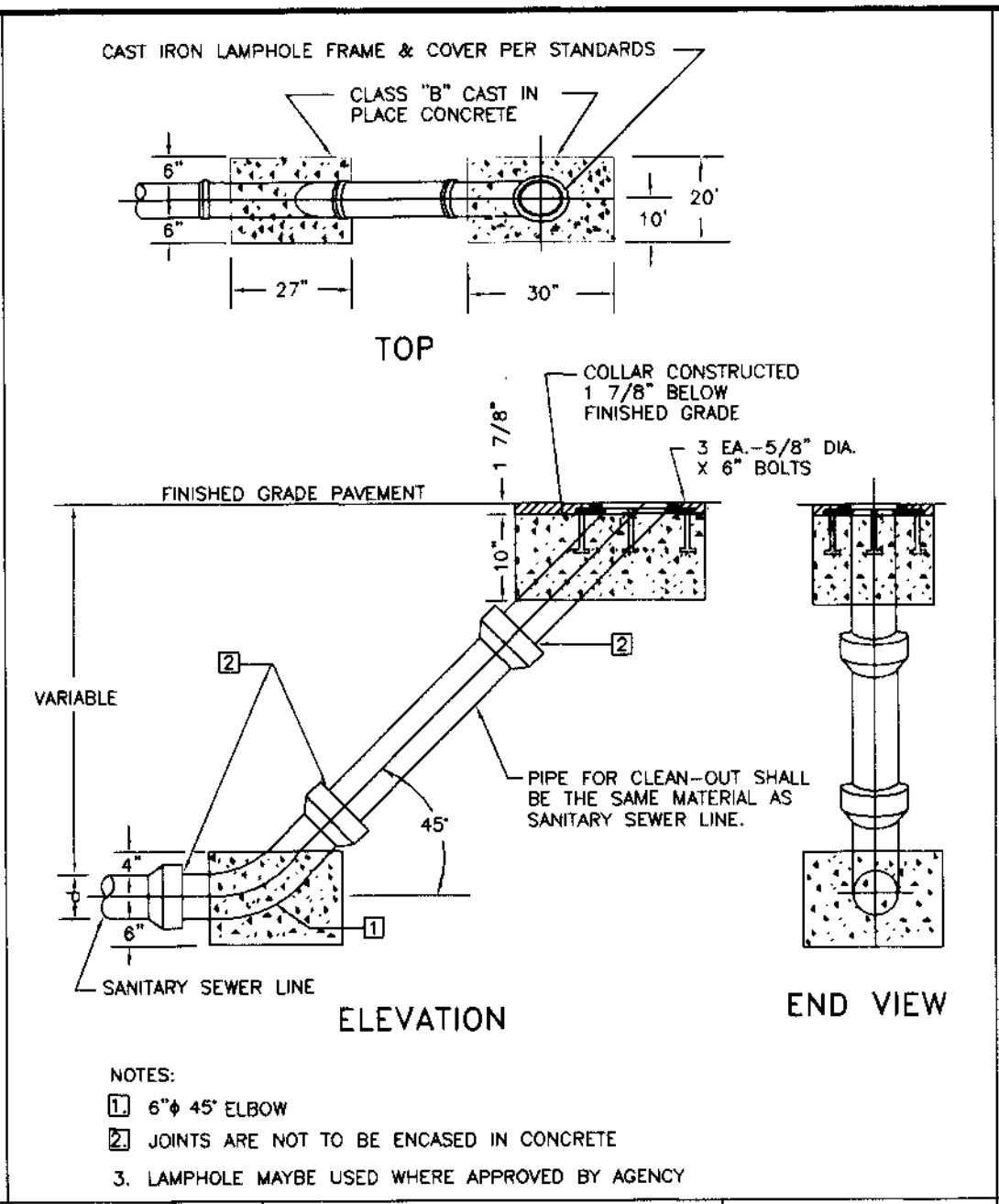
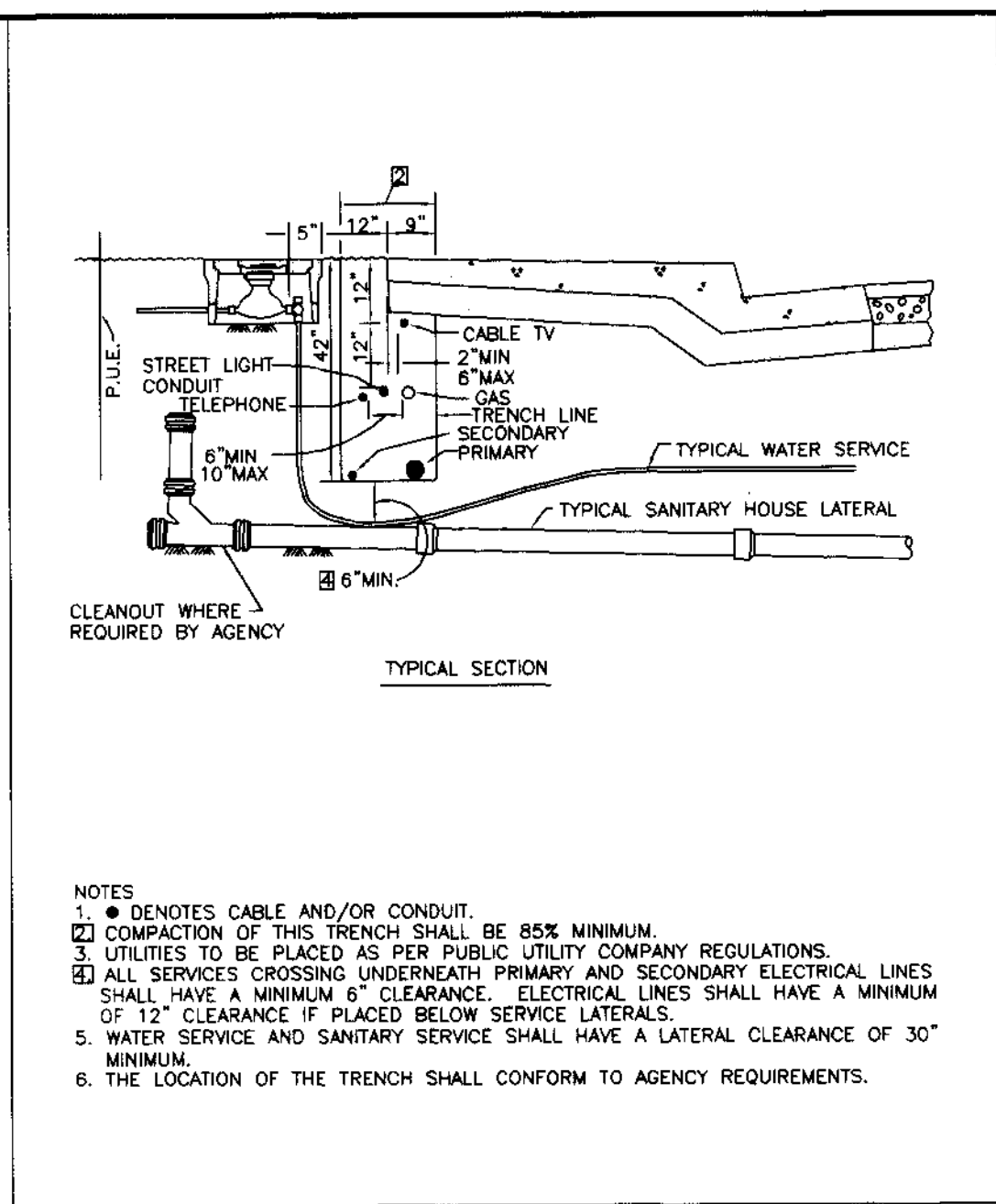
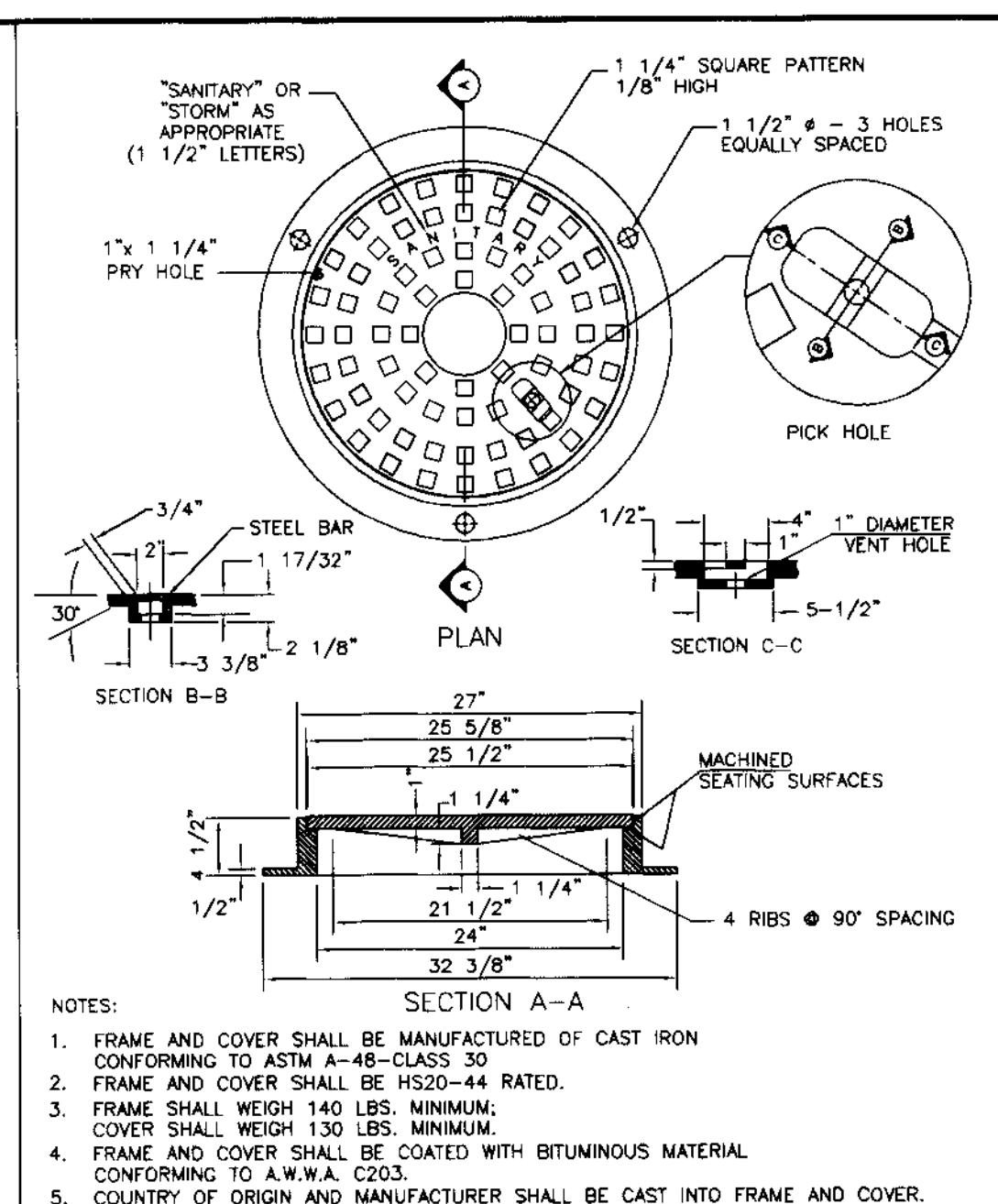
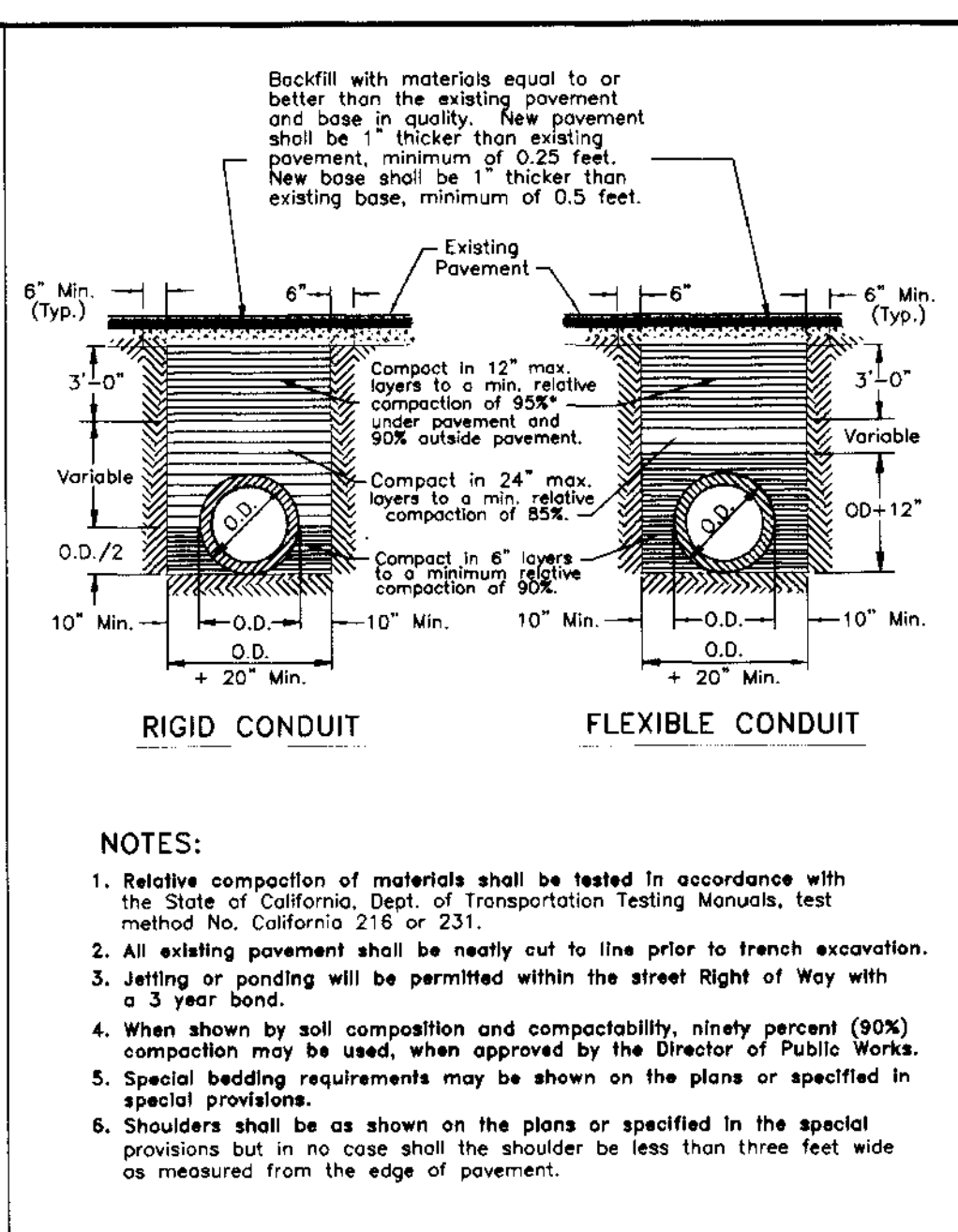
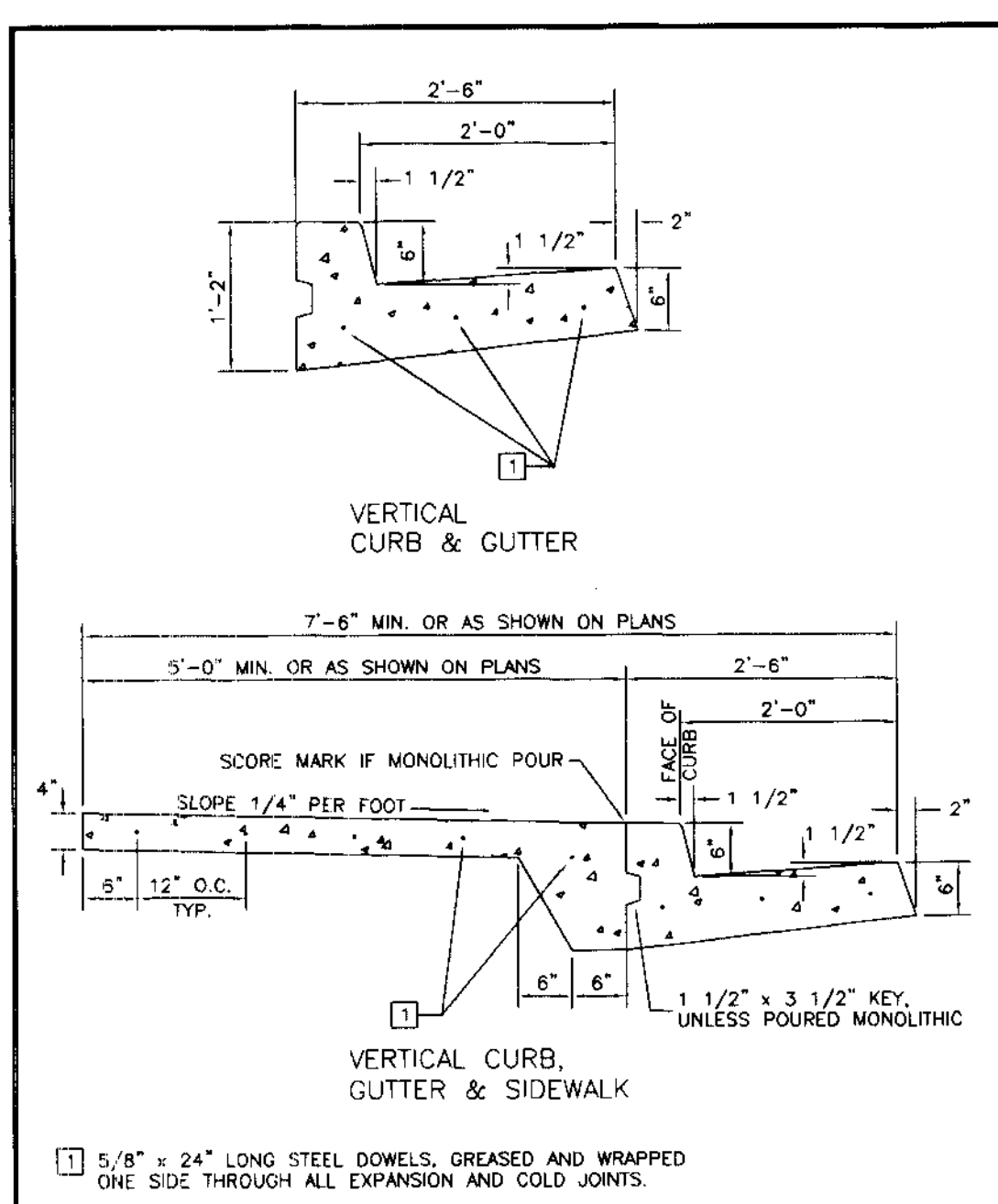
BEFORE YOU DIG

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

REV. NO.	DESCRIPTION	DATE	SCALE: N.T.S.	BENCH MARK: _____ EL.	SHEET
			DRAWN BY: BG	DESCRIPTION:	21
			DESIGNED BY: BG		OF 27 SHEETS
			CHECKED BY:		JOB NO. 00C5
			AS BUILT BY:		

OCTOBER, 2003
TRACY, CALIFORNIA



REVISION	DATE	COUNTY WIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY	NO.	REVISED	BY	DATE	DESCRIPTION	REVISION	DATE	COUNTY WIDE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED BY	NO.	REVISED	BY	DATE	DESCRIPTION
		VERTICAL CURB, GUTTER & SIDEWALK	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS	1	FEB. 1998	PG		TYPICAL TRENCH BACKFILL			MAINTENANCE HOLE FRAME AND COVER	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS	1	JUNE 1997	R-29		UNDERGROUND UTILITY LOCATIONS
																	SANITARY SEWER LAMPHOLE
																	LAMPHOLE FRAME & COVER

SU 3712

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

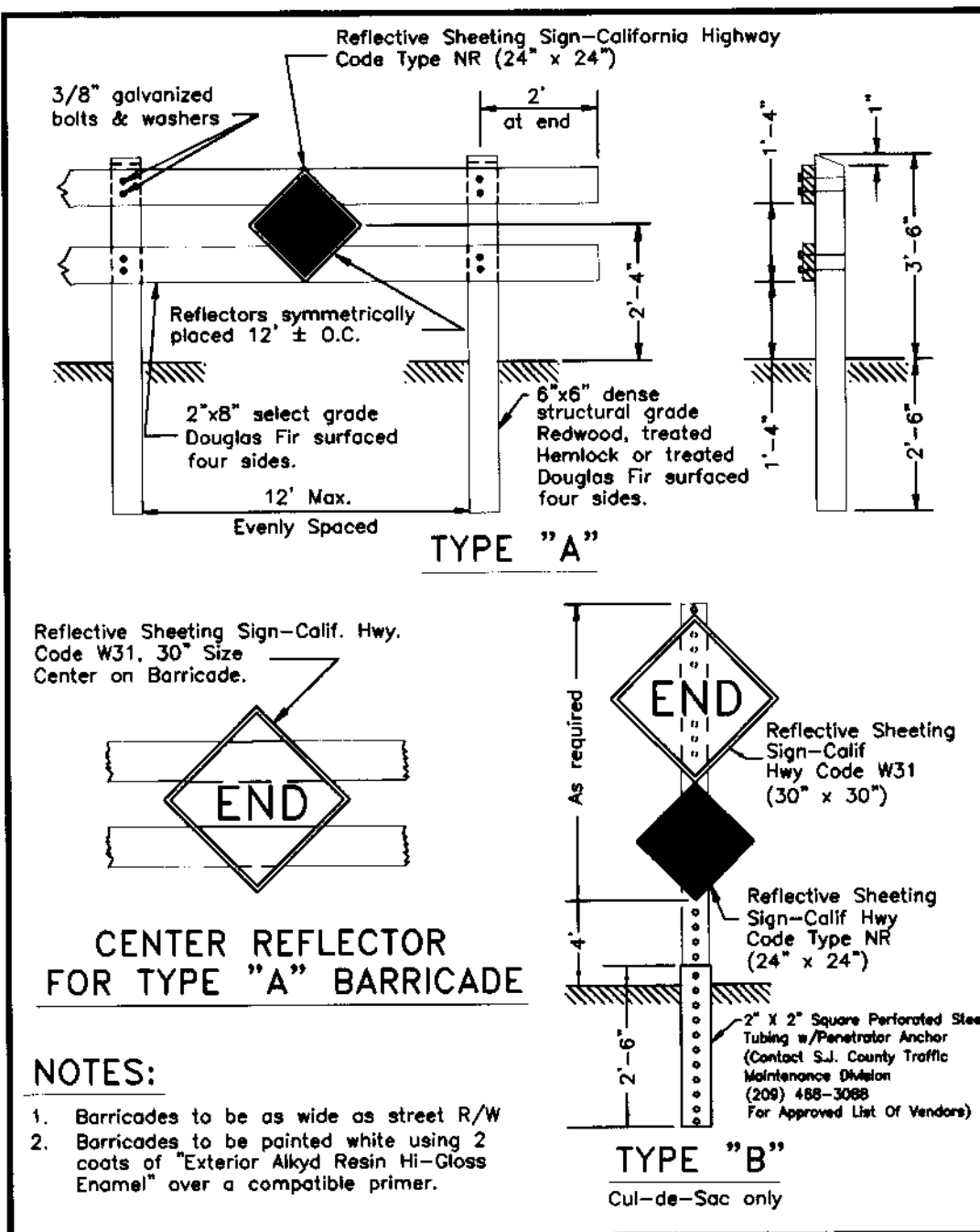
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IMPROVEMENT PLANS FOR TRACT NO. 2949 CARBONA STATION

SAN JOAQUIN COUNTY STANDARD PLANS

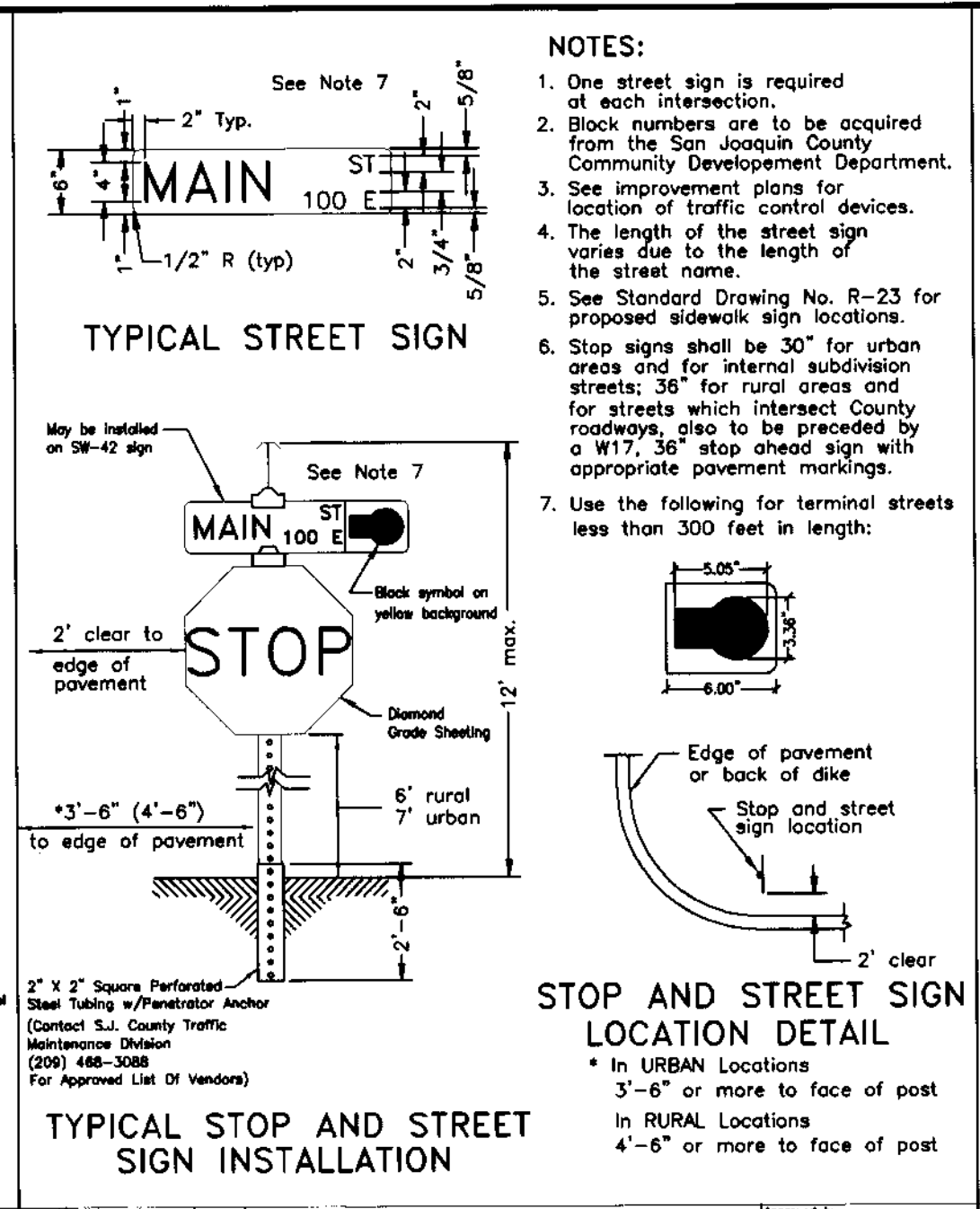
OCTOBER, 2003
TRACY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: N.T.S.	BENCH MARK: _____ EL: _____	SHEET
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			AS BUILT BY:		STANDARD NO. CW-M5



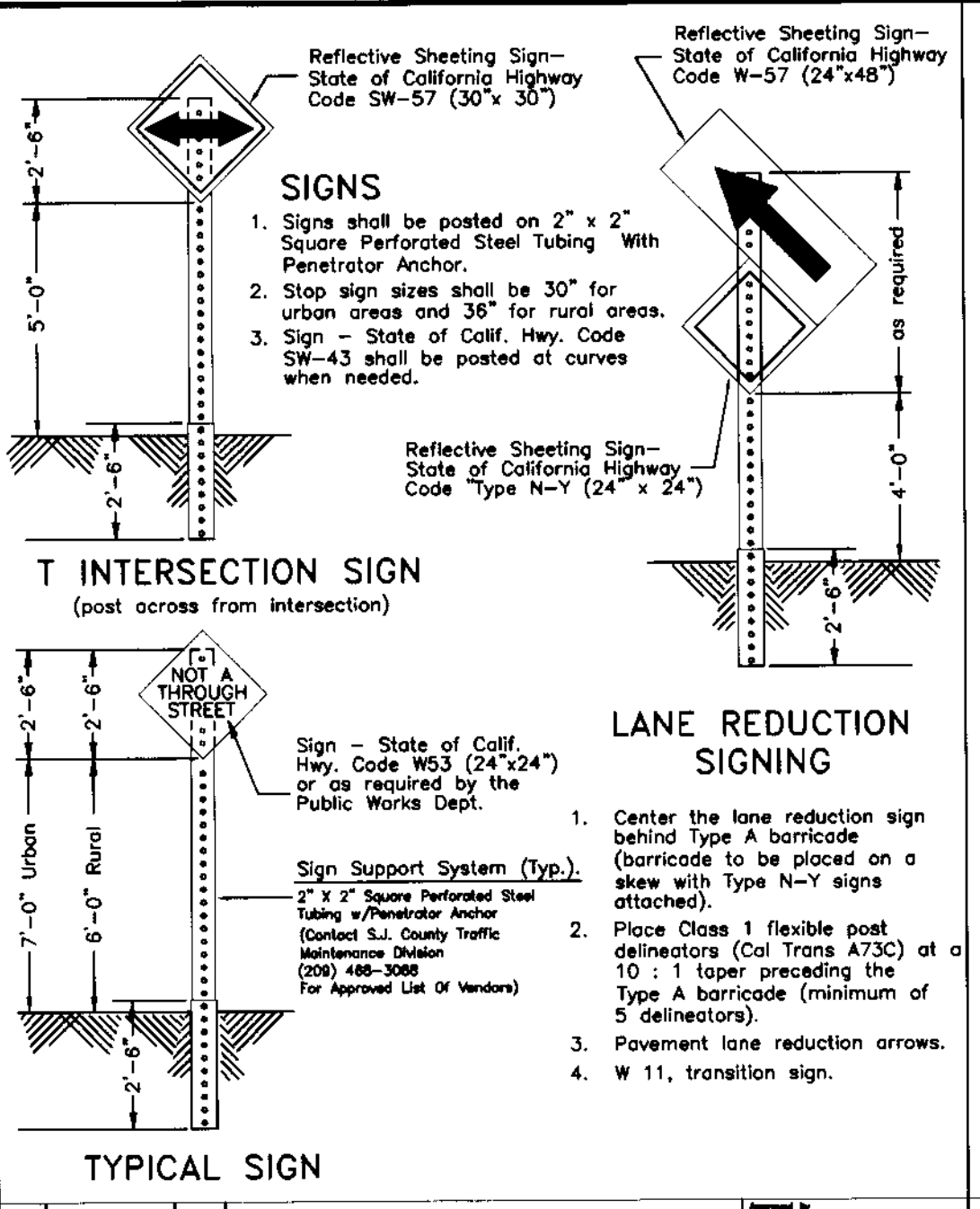
No.	Revised	By	Approved
1	Feb. 1988	PD	
2	Nov. 2003	DBS	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: R-24



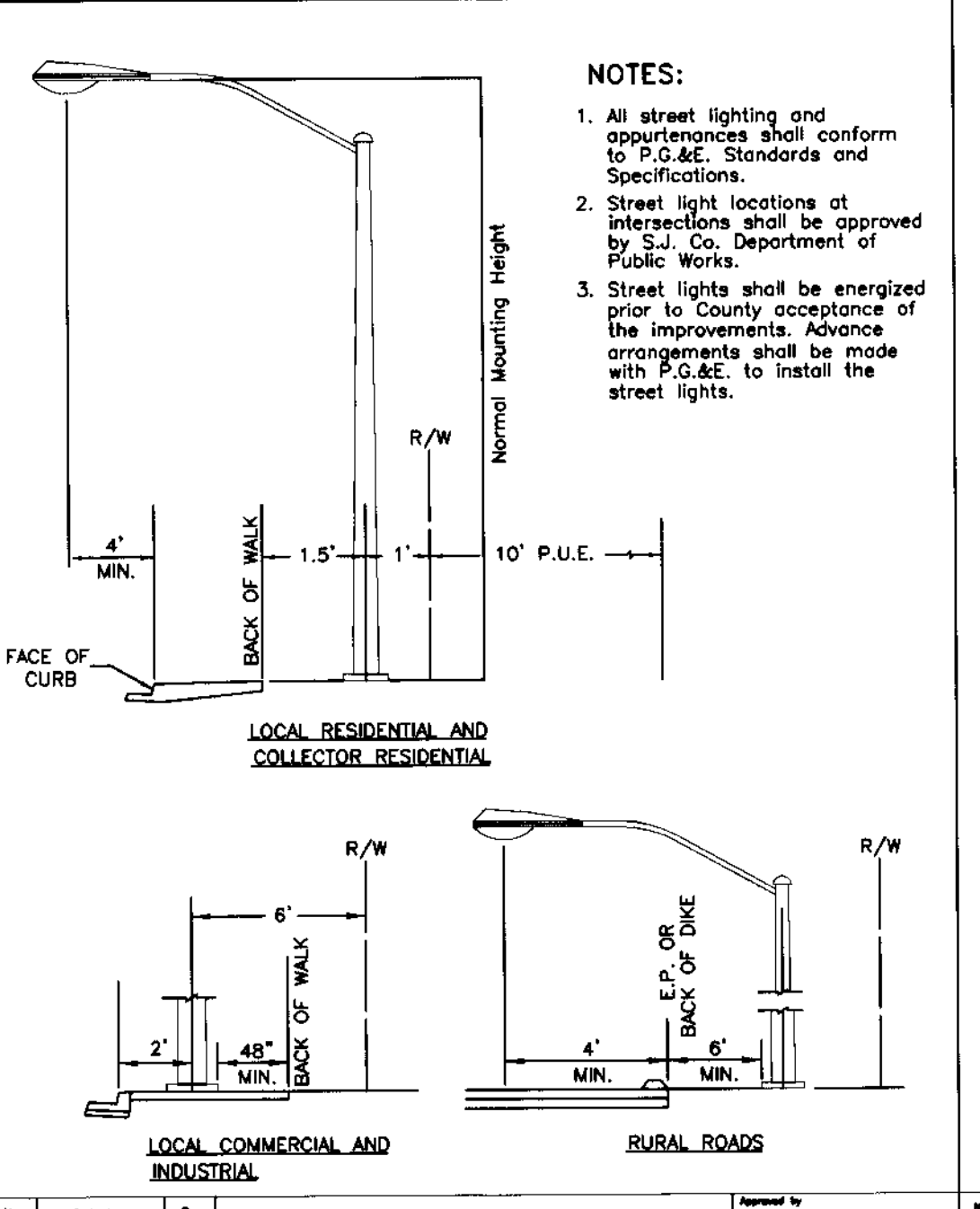
No.	Revised	By	Approved
1	April 1987	YL	
2	November 2003	DBS	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: R-25



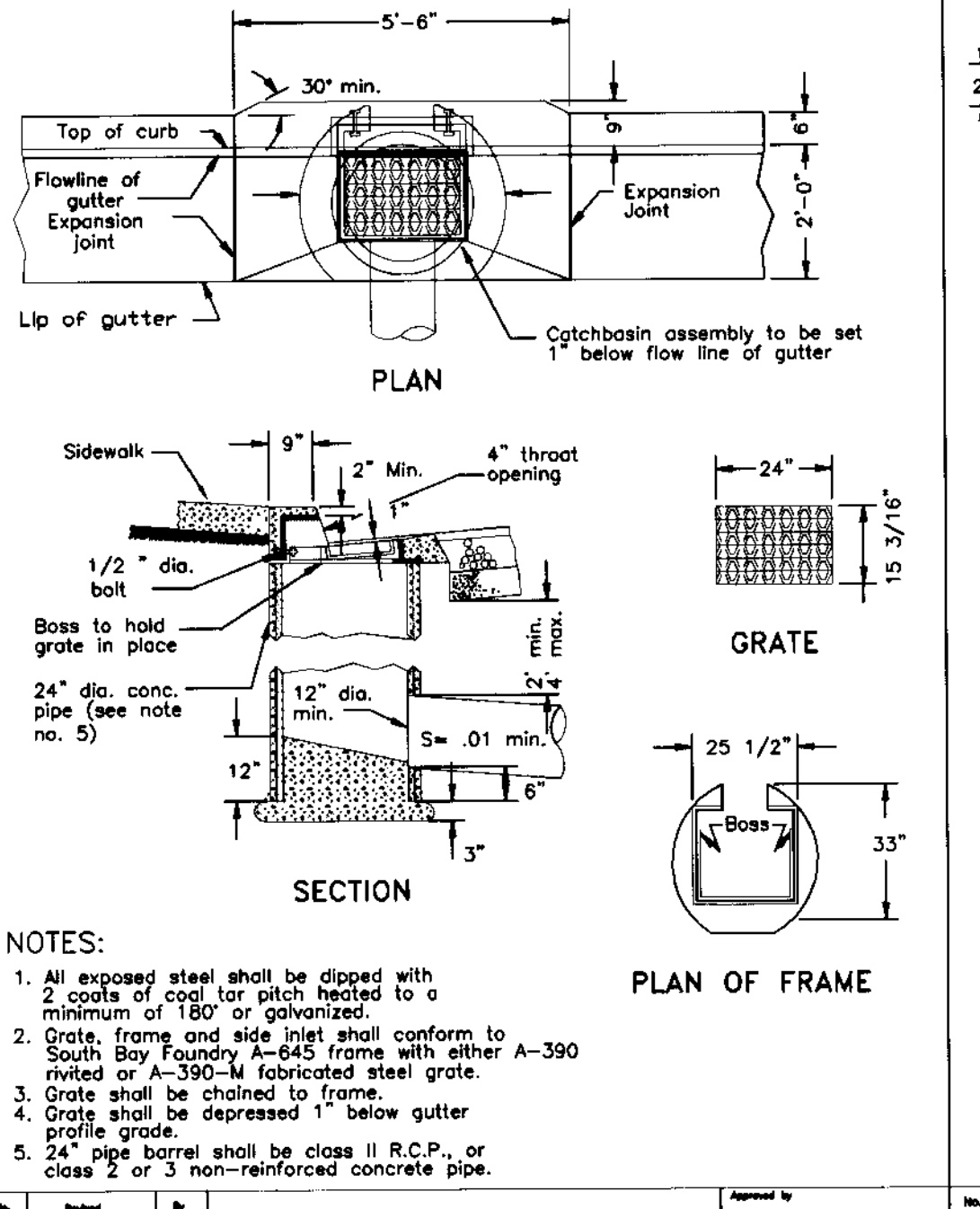
No.	Revised	By	Approved
1	November 2003	DBS	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: R-26



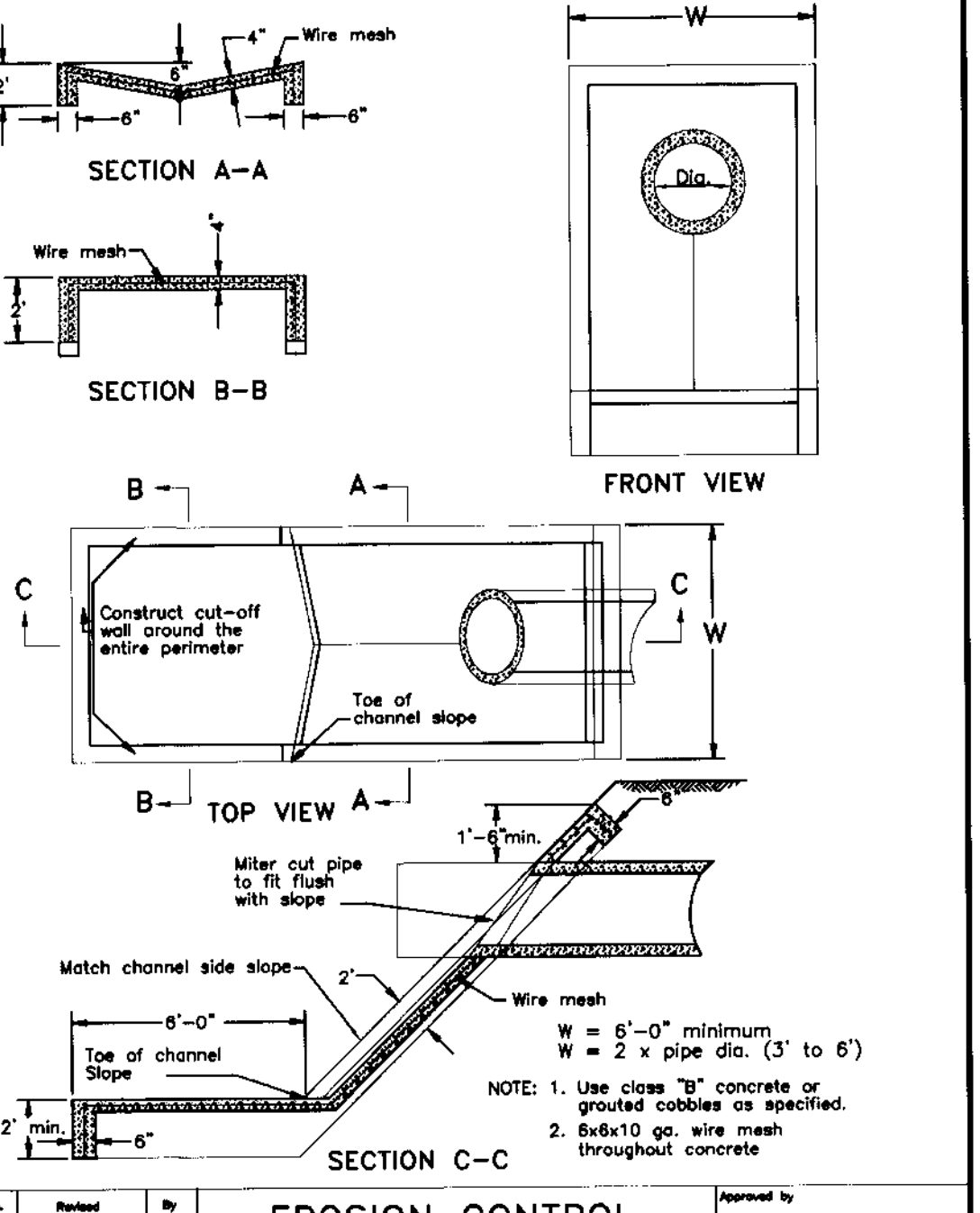
No.	Revised	By	Approved
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Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: R-32



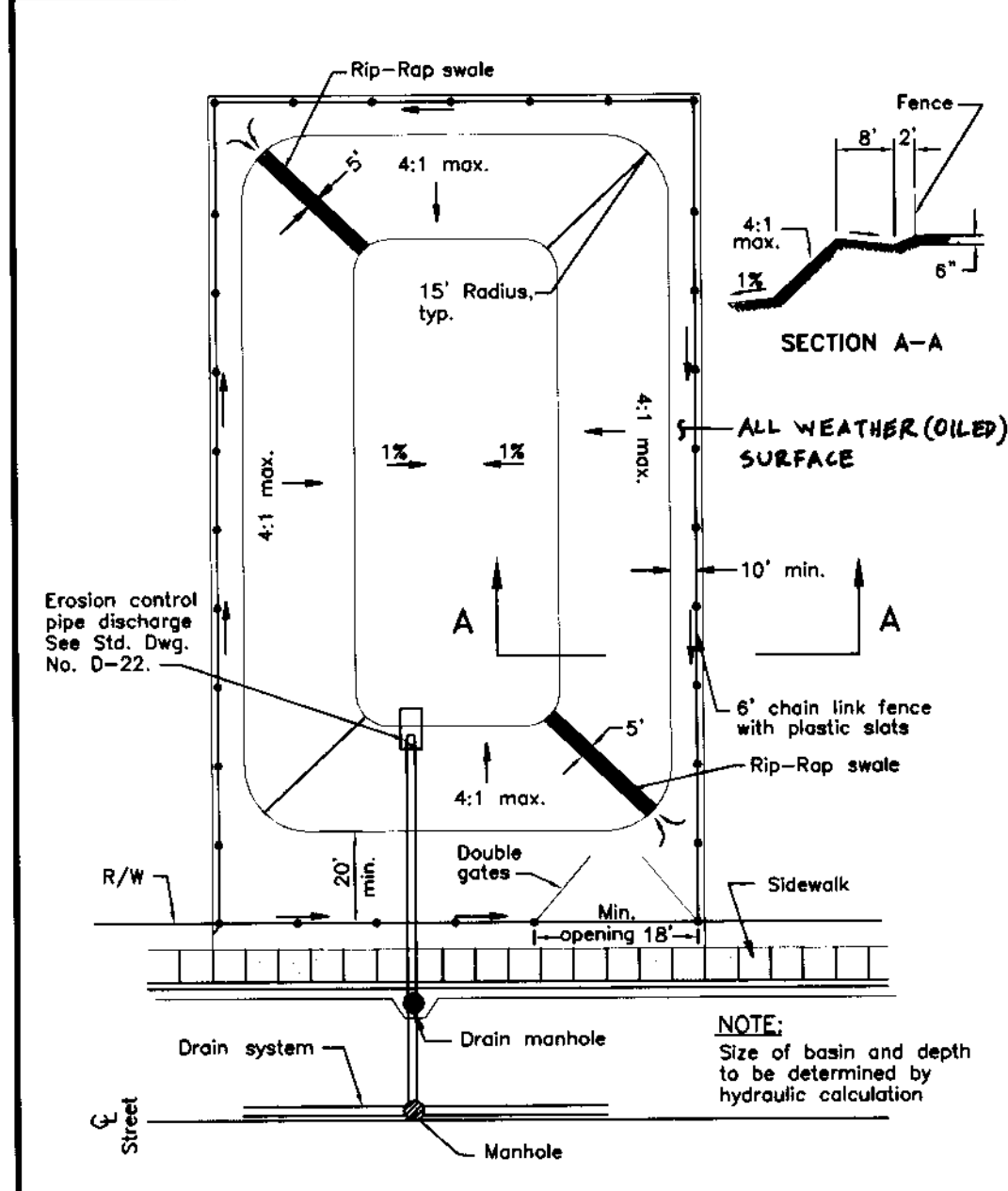
No.	Revised	By	Approved
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Drawn by: JLD
Checked by: JLD
Date: SEPT. 1991
Drawing No.: D-13



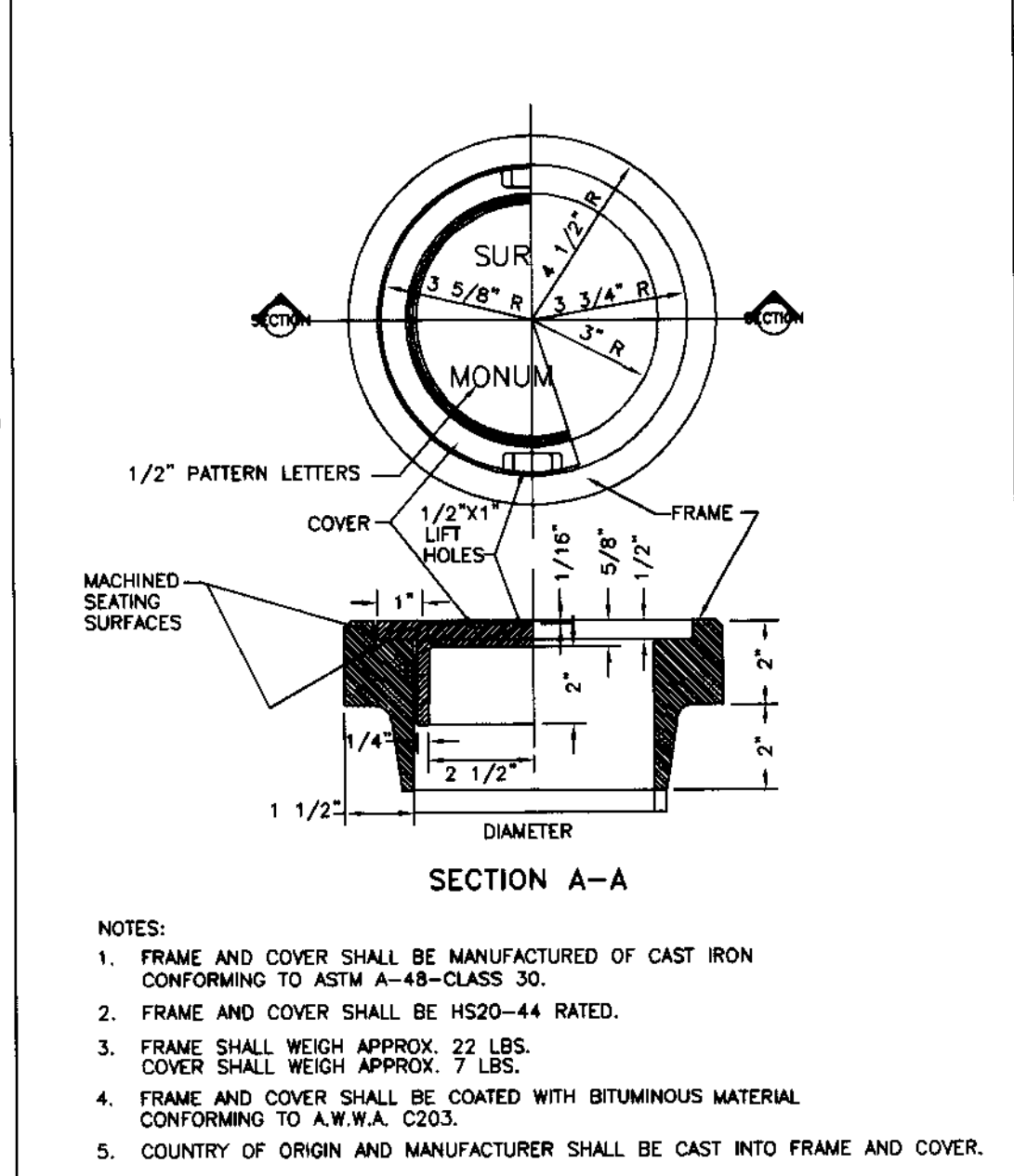
No.	Revised	By	Approved
1	June 1988	PD	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: D-22



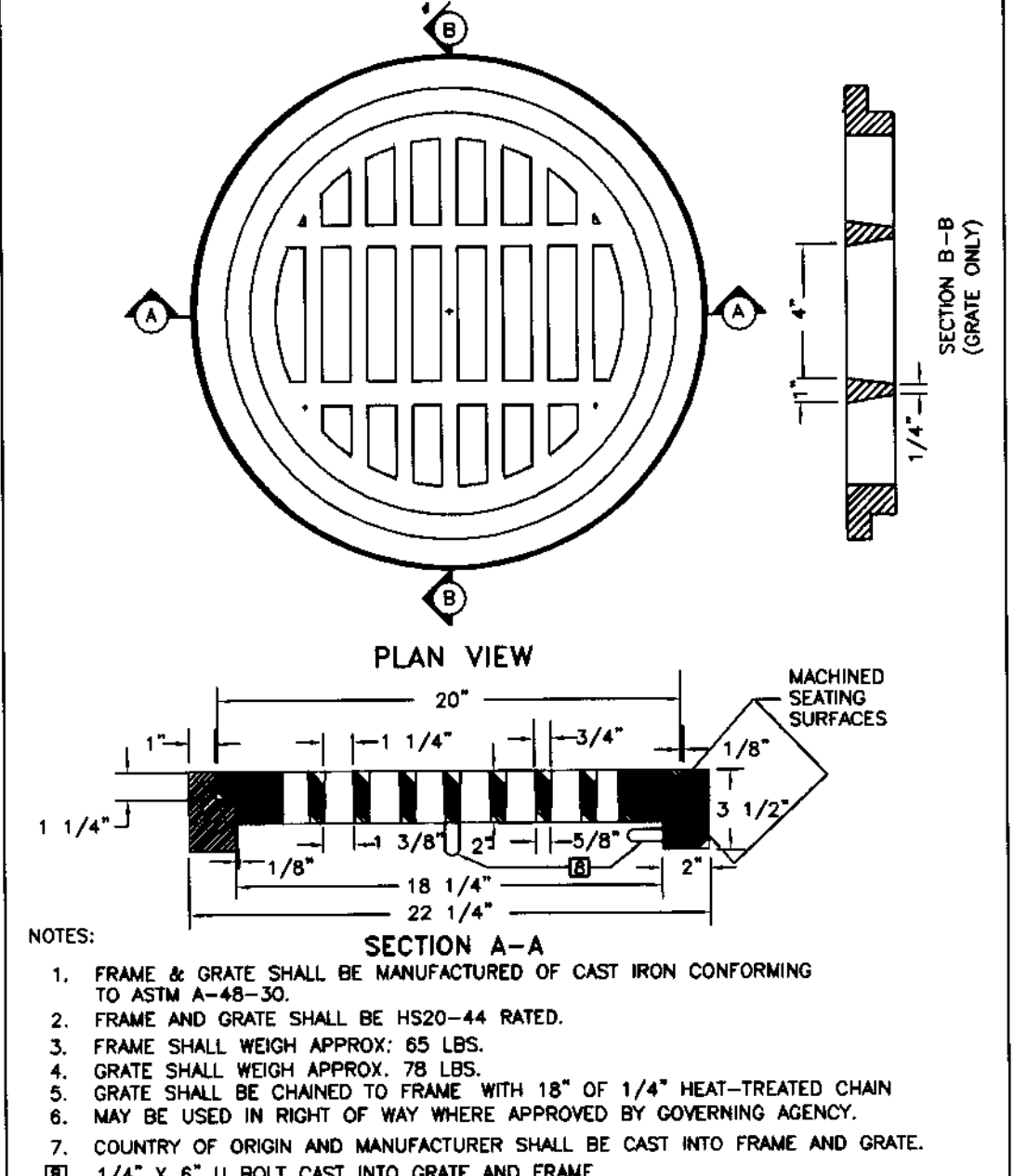
No.	Revised	By	Approved
1	April 1988	PD	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: D-24



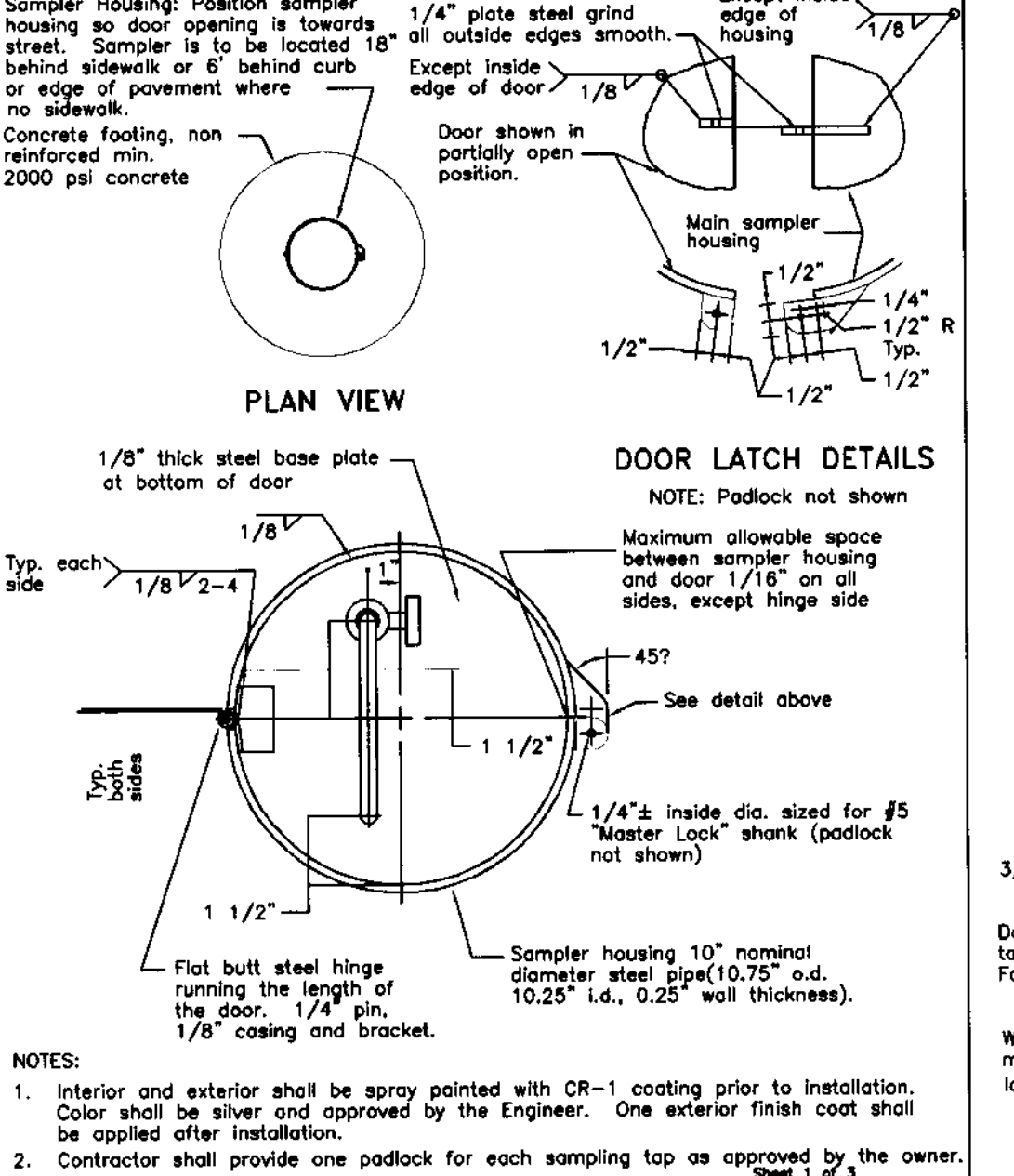
REVISION	DATE	COUNTY-WIDE IMPROVEMENT STANDARDS	APPROVED
		COUNTY OF SAN JOAQUIN	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: D-24



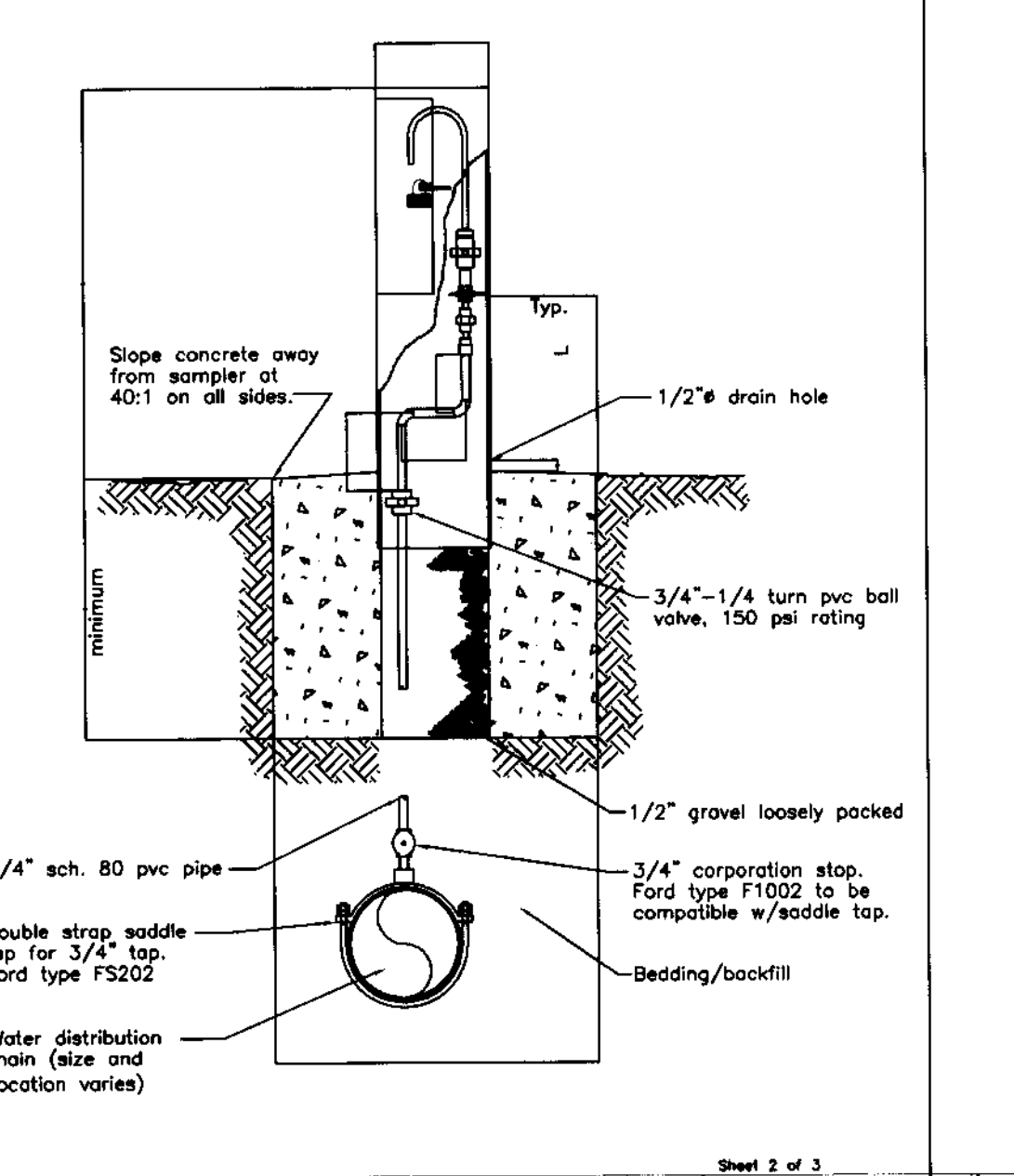
REVISION	DATE	COUNTY-WIDE IMPROVEMENT STANDARDS	APPROVED
		COUNTY OF SAN JOAQUIN	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: D-25



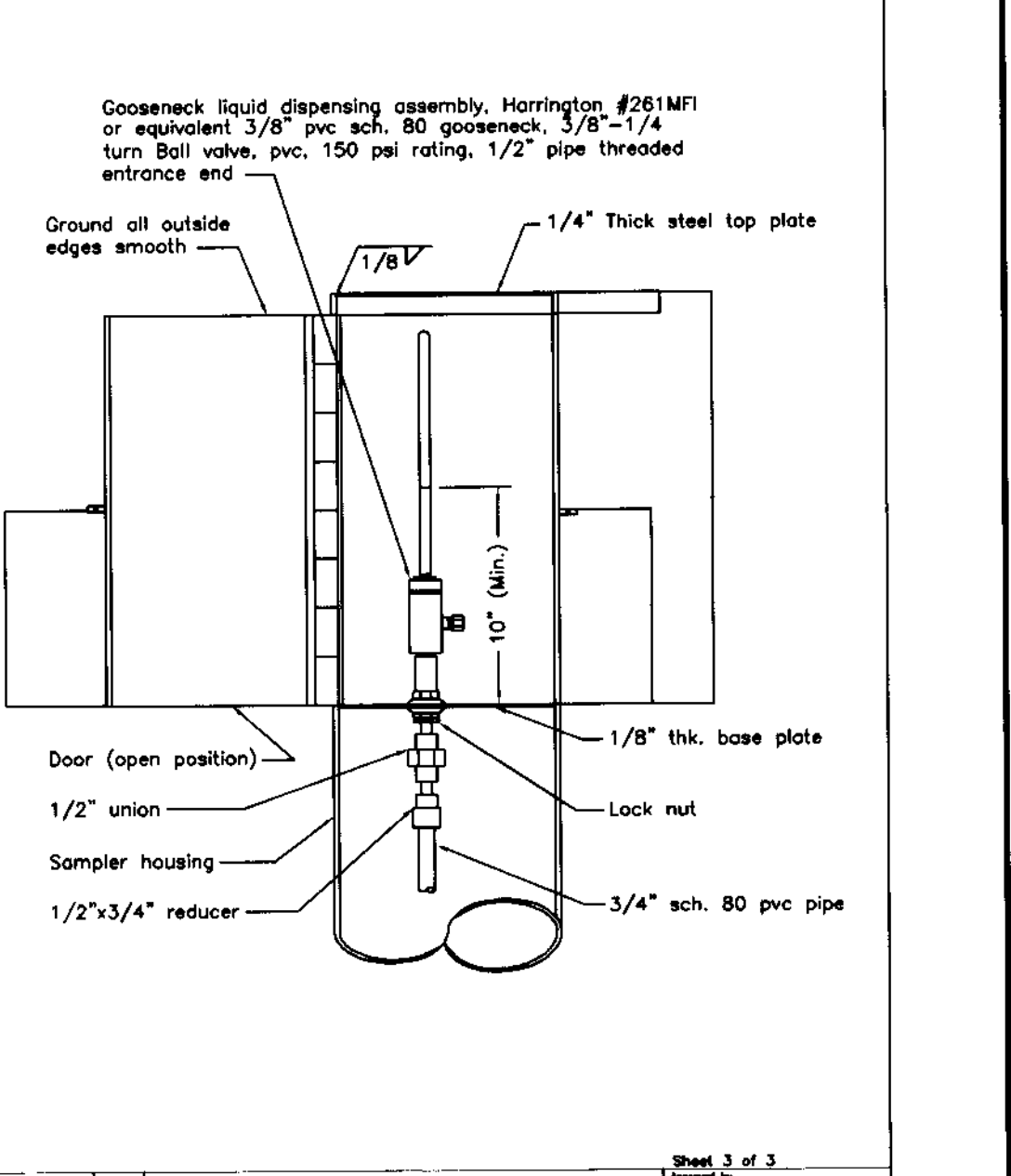
No.	Revised	By	Approved
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Drawn by: BCD
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Date: SEPT. 1991
Drawing No.: W-5a



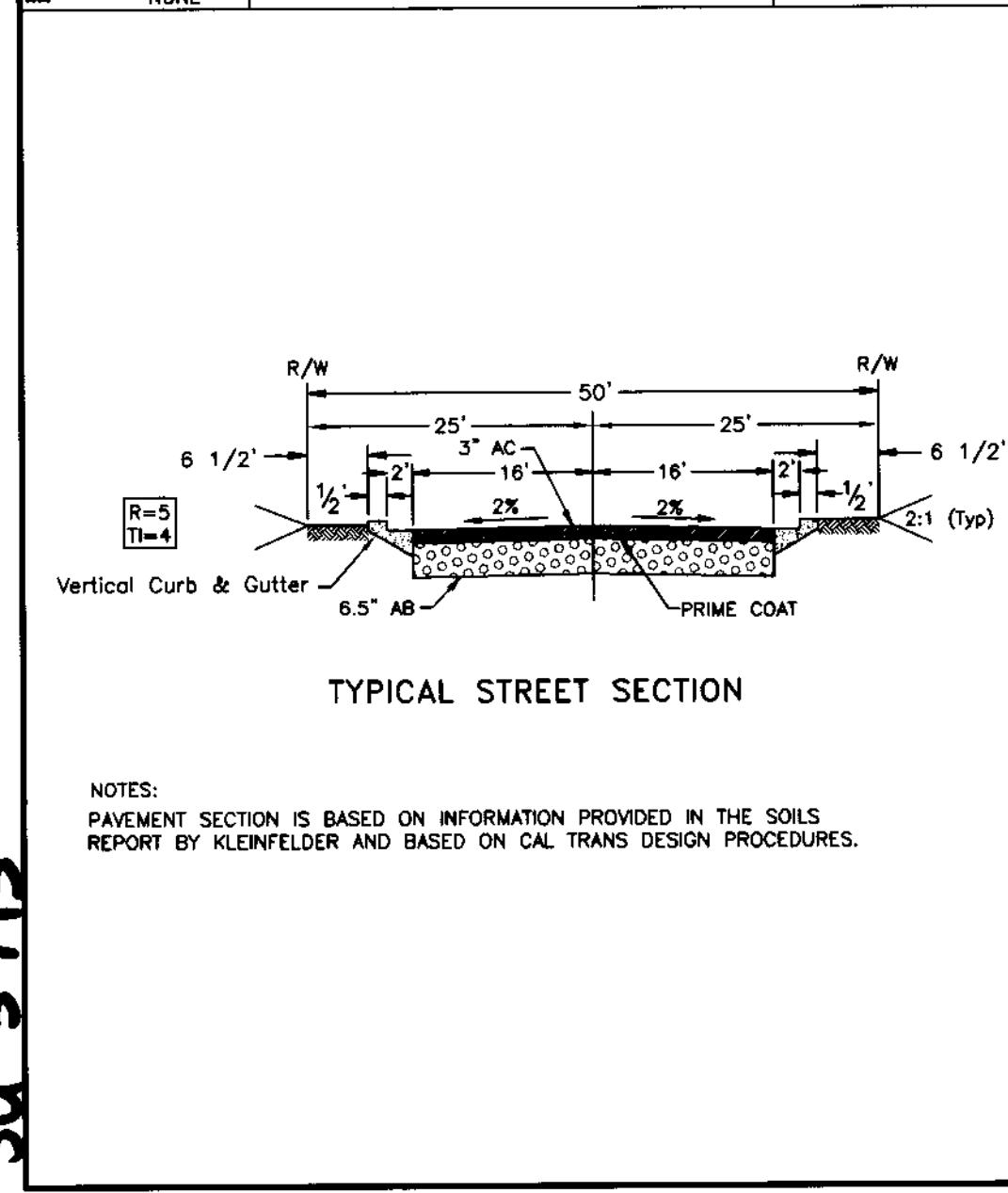
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Date: SEPT. 1991
Drawing No.: W-5b



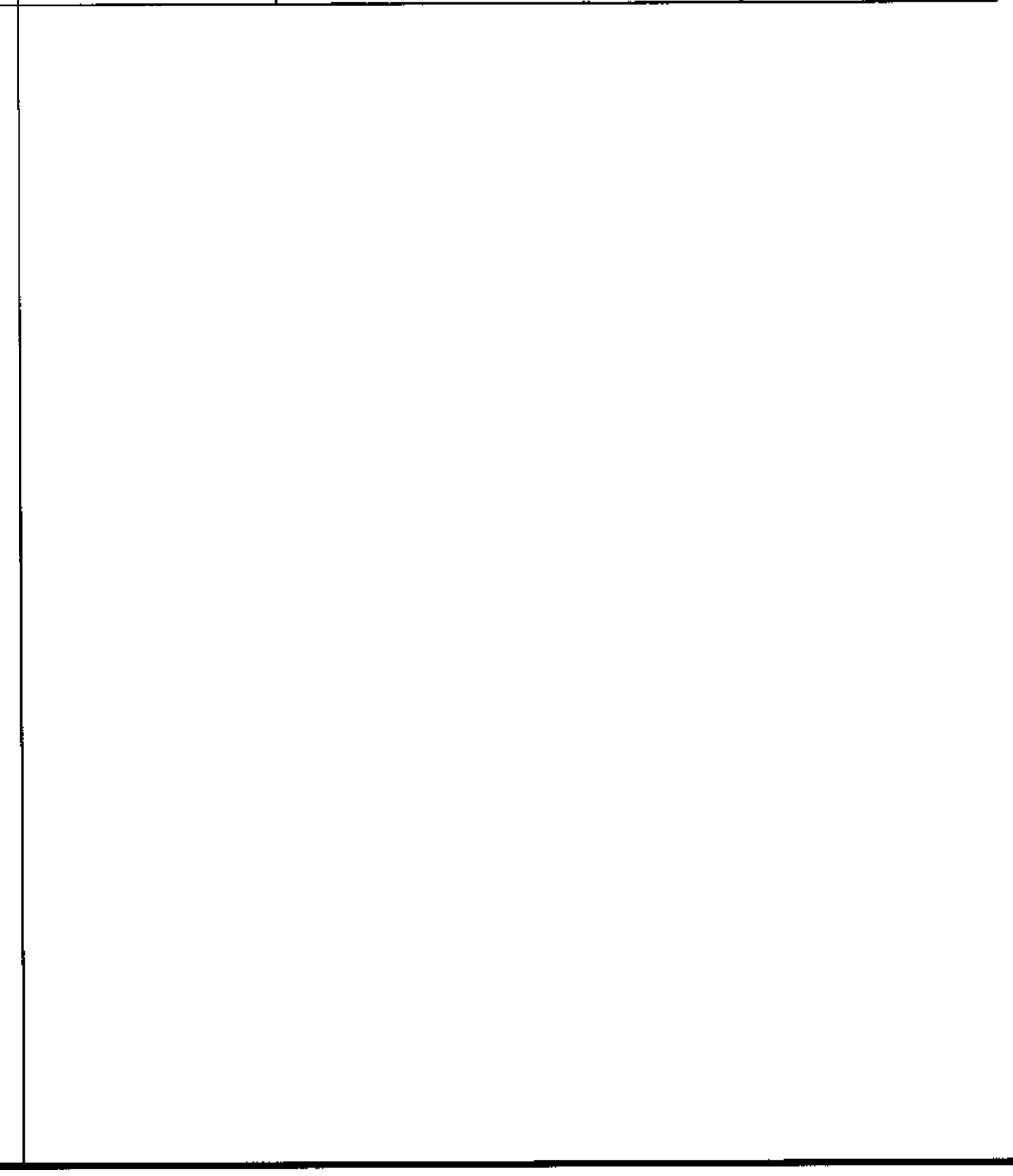
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1	SEPT. 1991	BCD	

Drawn by: BCD
Checked by: BCD
Date: SEPT. 1991
Drawing No.: W-5c



No.	Revised	By	Approved
1	April 1988	PD	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: D-24



No.	Revised	By	Approved
1	April 1987	YL	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: R-25



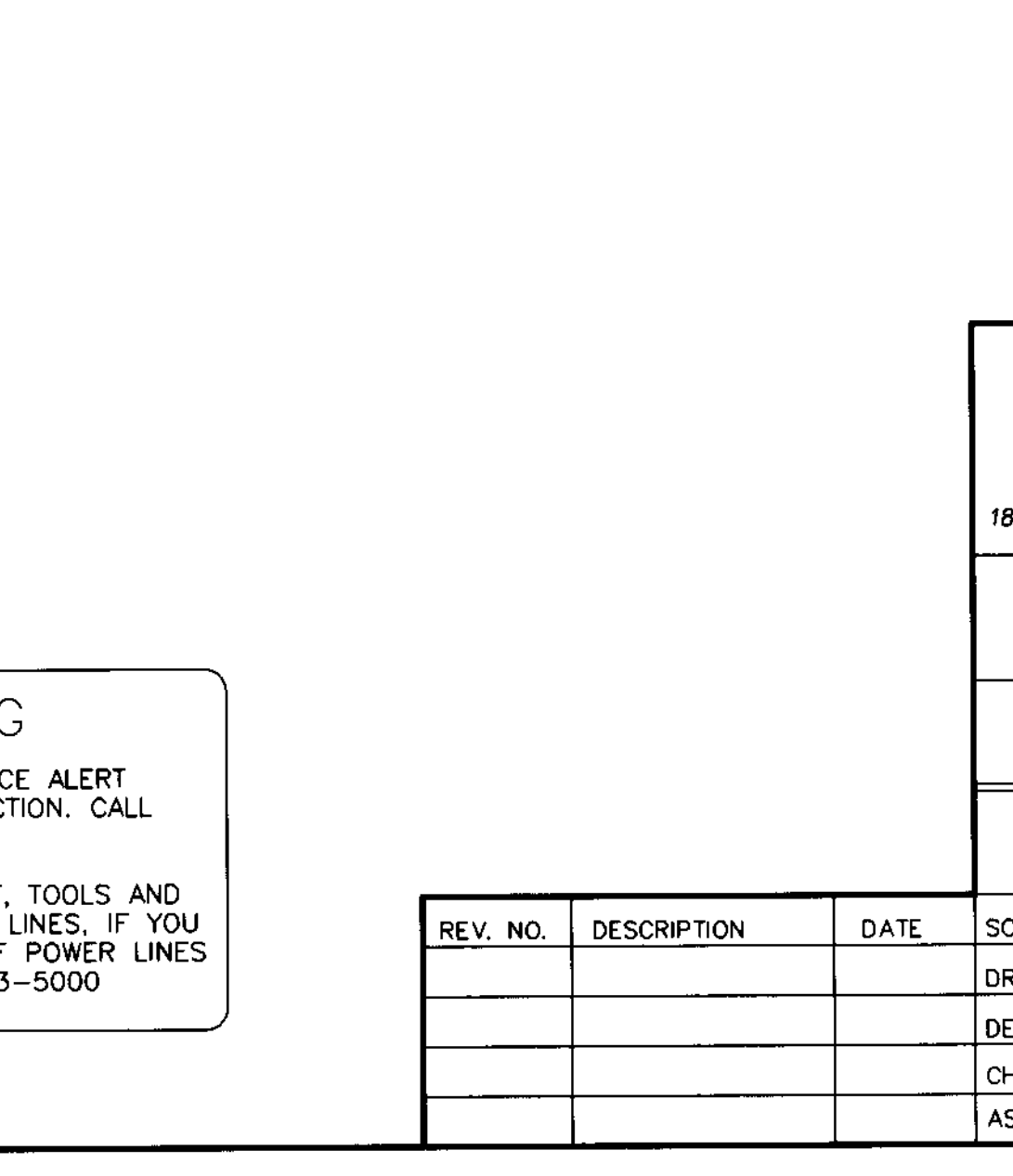
No.	Revised	By	Approved
1	November 2003	DBS	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: R-26



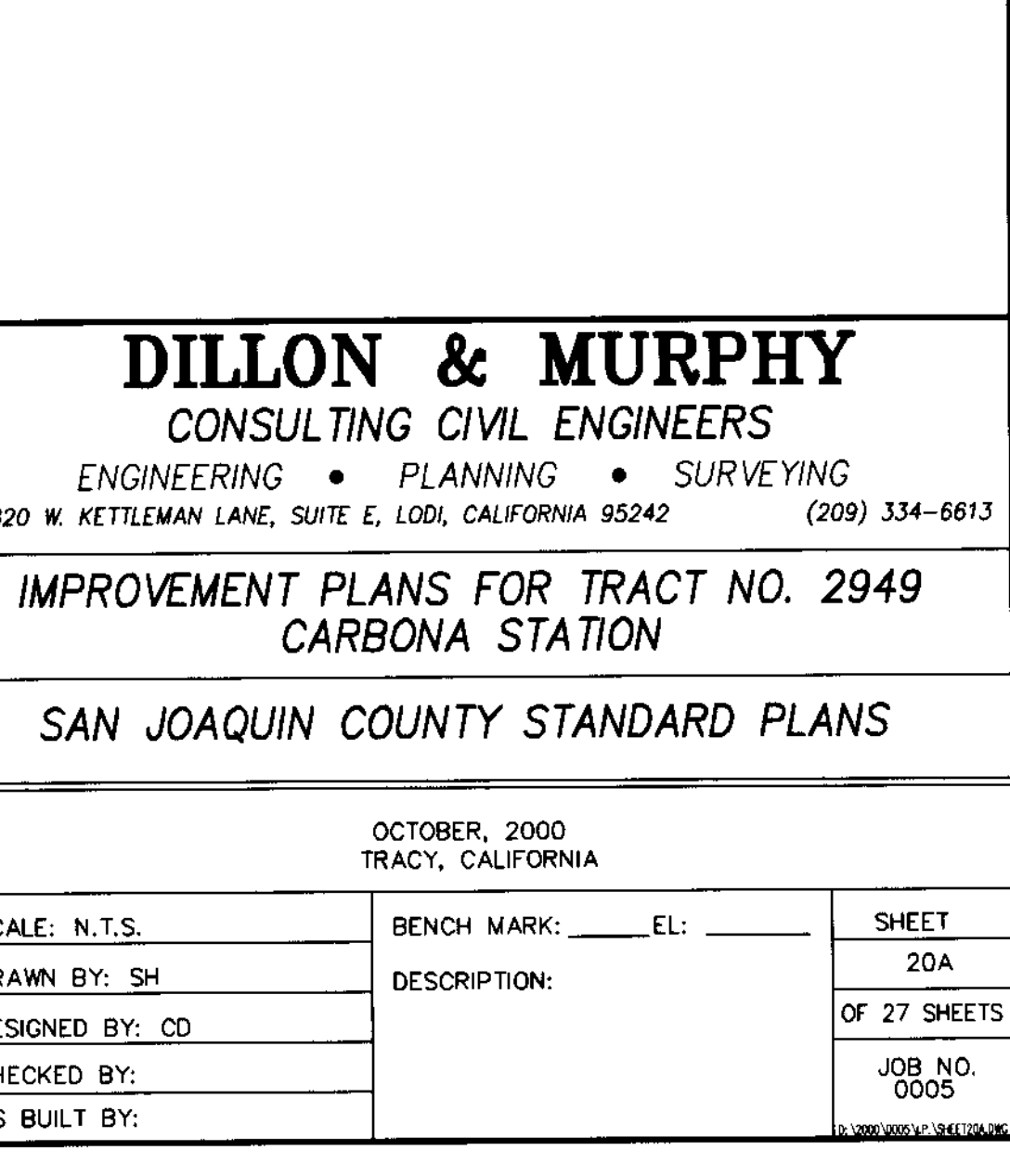
No.	Revised	By	Approved
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Drawn by: JLD
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Date: JUNE 1997
Drawing No.: R-32



No.	Revised	By	Approved
1	April 1988	PD	

Drawn by: JLD
Checked by: JLD
Date: SEPT. 1991
Drawing No.: D-13



No.	Revised	By	Approved
1	June 1988	PD	

Drawn by: JLD
Checked by: JLD
Date: JUNE 1997
Drawing No.: D-22

SU 9713

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IMPROVEMENT PLANS FOR TRACT NO. 2949 CARBONA STATION

SAN JOAQUIN COUNTY STANDARD PLANS

OCTOBER, 2000
TRACY, CALIFORNIA

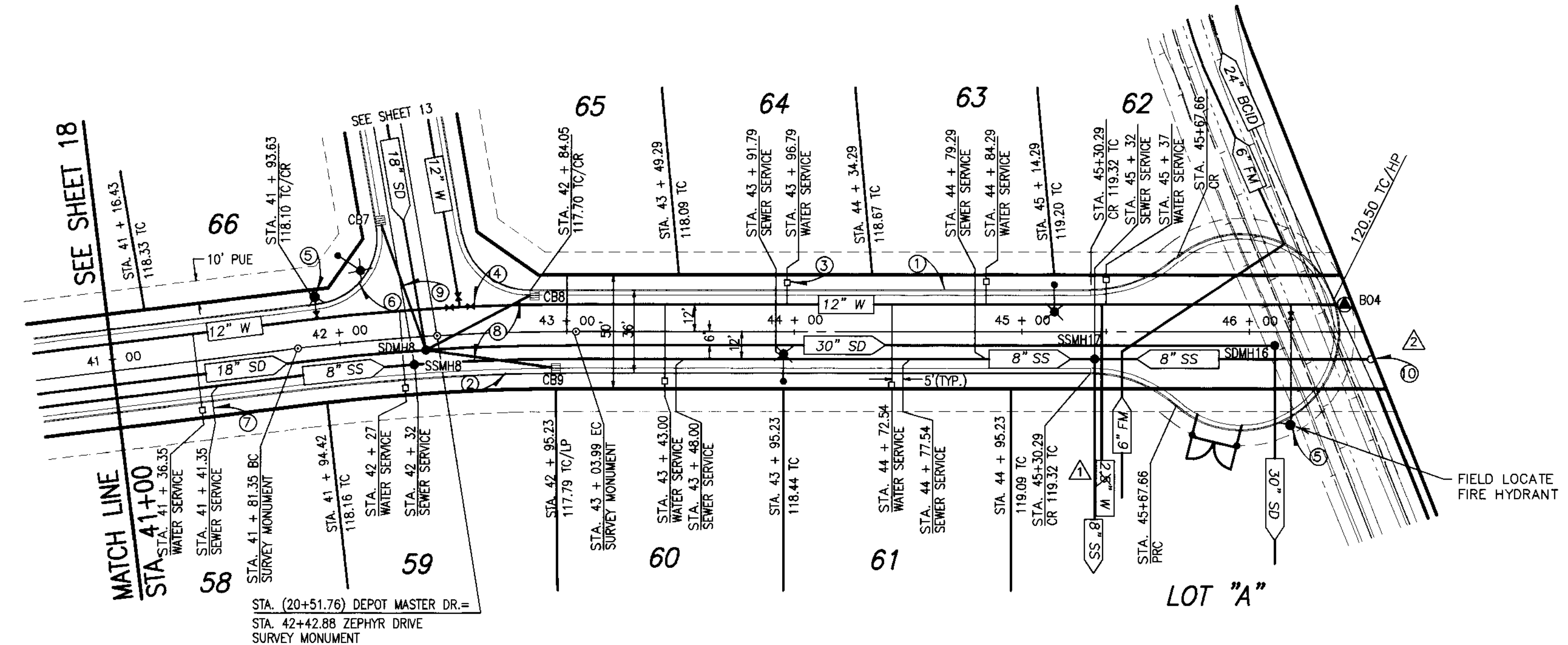
REV. NO.	DESCRIPTION	DATE	SCALE: N.T.S.	BENCH MARK: _____ EL: _____	SHEET
			DRAWN BY: SH	DESCRIPTION:	20A
			DESIGNED BY: CD		OF 27 SHEETS
			CHECKED BY:		JOB NO. 0005
			AS BUILT BY:		WWW.DDMURPHY.COM

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

SCALE: 1" = 40'



- CONSTRUCTION NOTES**
- INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 20B (TYP.).
 - INSTALL CATCH BASIN SEE DETAIL SHEET 21 (TYP.).
 - INSTALL 1" WATER SERVICE/METER PER S.J. CO. STD. PLAN CW-W8 DETAIL SHEET NO. 21. (TYP.).
 - INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 21. (TYP.).
 - INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 21 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
 - FACE OF CURB RADIUS= 30' (TYP.).
 - INSTALL 4" SEWER SERVICE PER S.J. CO. STD PLANS S-7A SHEET NO. 21. (TYP.).
 - SEE STORM DRAIN CROSSING DETAIL K ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL.
 - SEE STORM DRAIN CROSSING DETAIL E ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).
 - INSTALL A "Y" FITTING WITH A 1/8 BEND AND A SANITARY SEWER CLEANOUT.

RECORD DRAWING
 Corrections By: 36
 No Changes By: _____
 Date: 1/24/05
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site.

BEFORE YOU DIG

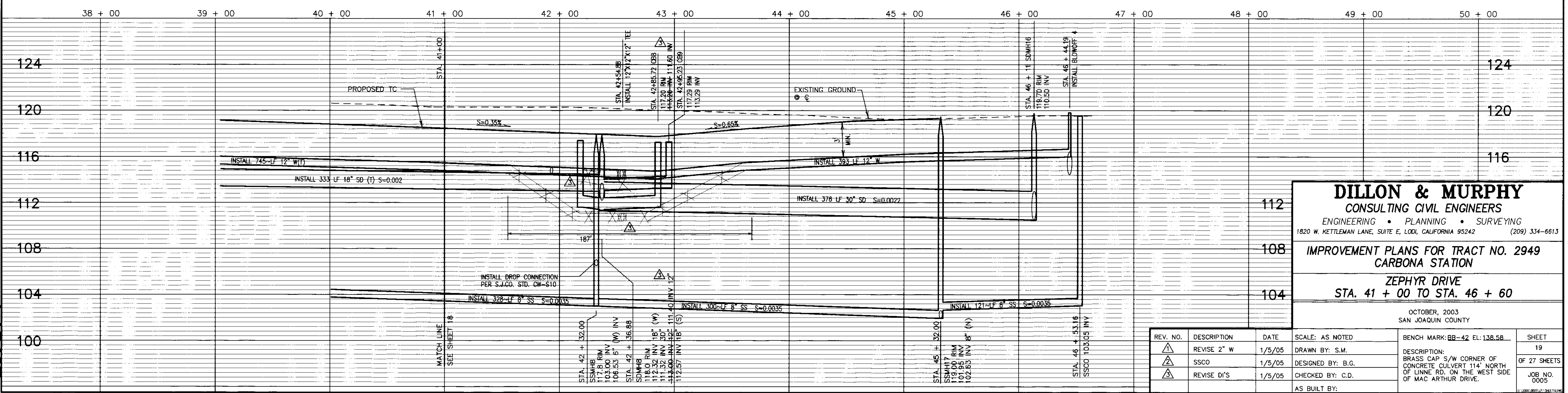
CALL USA UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO CONSTRUCTION. CALL TOLL FREE 1-800-227-2600

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

ZEPHYR DRIVE
 SCALE:
 HORIZ: 1"=40'
 VERT: 1"= 4'

LEGEND

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



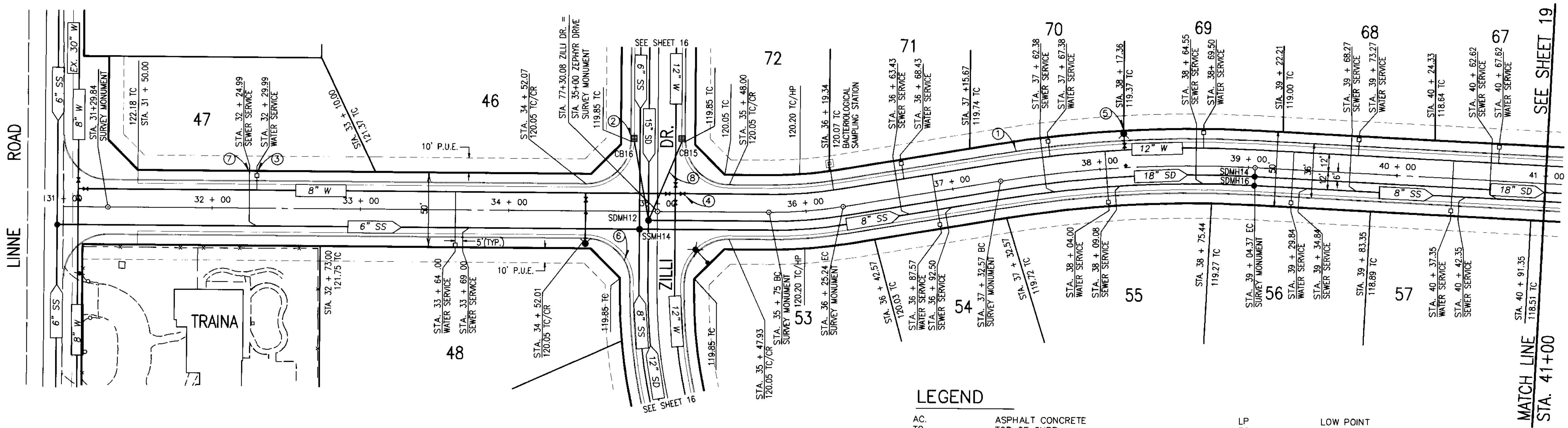
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IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION
ZEPHYR DRIVE
STA. 41 + 00 TO STA. 46 + 60

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
△	REVISE 2" W	1/5/05	DRAWN BY: S.M.	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	19
△	SSCO	1/5/05	DESIGNED BY: B.G.		OF 27 SHEETS
△	REVISE DI'S	1/5/05	CHECKED BY: C.D.		JOB NO. 0005
AS BUILT BY:					

STA 37

SCALE: 1" = 40'



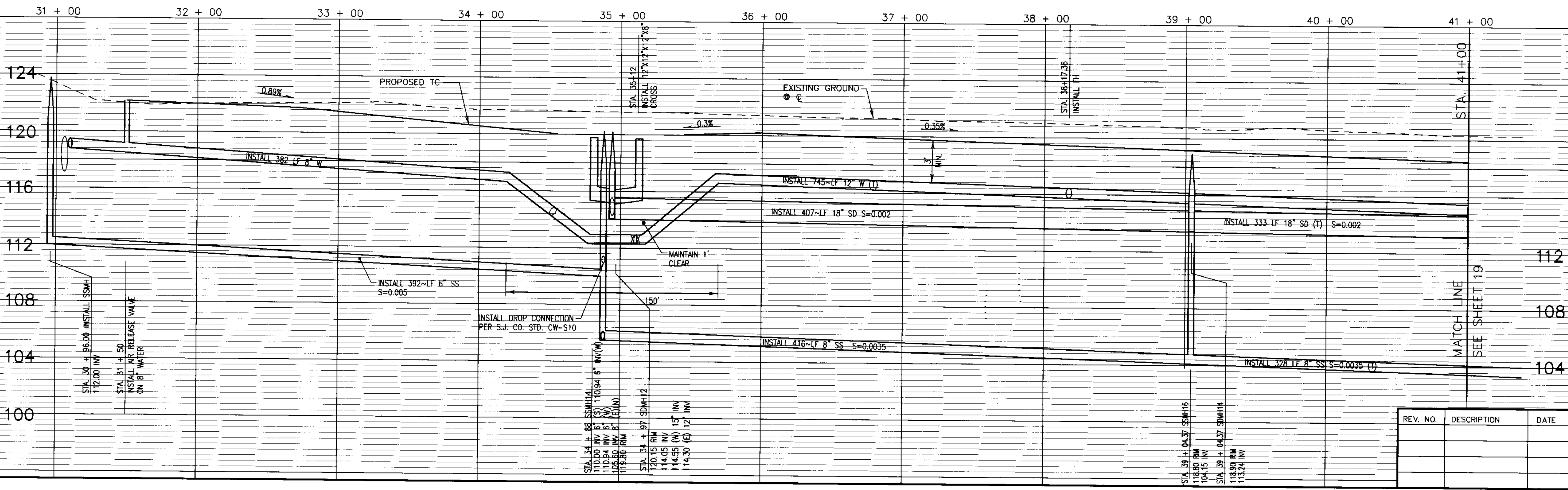
BEFORE YOU DIG
 CALL USA UNDERGROUND SERVICE ALERT
 48 HOURS PRIOR TO CONSTRUCTION. CALL
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 KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND
 PEOPLE 10 FEET FROM POWER LINES. IF YOU
 MUST WORK WITHIN 10 FEET OF POWER LINES
 PLEASE CALL PG&E @ 800-743-5000

LEGEND

AC	ASPHALT CONCRETE	LP	LOW POINT
TC	TOP OF CURB	FG	FINISHED GRADE
W	WATER	GB	GRADE BREAK
SD	STORM DRAIN	(TYP.)	TYPICAL
E/P	EDGE OF PAVEMENT	SS	SANITARY SEWER
F.F.	FINISH FLOOR	INV	INVERT
P.U.E.	PUBLIC UTILITY EASEMENT		
STATION	STATION		
C/L	CENTERLINE		
EX	EXISTING		
OG	ORIGINAL GROUND		
● SDMH	PROPOSED STORM DRAIN MAINTENANCE HOLE		
● SSMH	PROPOSED SANITARY SEWER MAINTENANCE HOLE		
HP	HIGH POINT		
(L)	LOW POINT		
SSCO	SANITARY SEWER CLEAN OUT		

- CONSTRUCTION NOTES**
- INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 20B (TYP.).
 - INSTALL CATCH BASIN SEE DETAIL SHEET 21 (TYP.).
 - INSTALL 1" WATER SERVICE/METER PER S.J. CO. STD. PLAN CW-WB. SEE DETAIL SHEET NO. 21 (TYP.).
 - INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 SEE DETAIL SHEET NO. 21 (TYP.).
 - INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 SEE DETAIL SHEET NO. 21 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
 - FACE OF CURB RADIUS= 30' (TYP.).
 - INSTALL 4" SEWER SERVICE PER S.J. CO. STD PLANS S-7A. SEE SHEET 21 (TYP.).
 - SEE STORM DRAIN CROSSING DETAIL H ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).

ZEPHYR DRIVE
 SCALE:
 HORIZ: 1" = 40'
 VERT: 1" = 4'



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**IMPROVEMENT PLANS FOR TRACT NO. 2949
 CARBONA STATION**

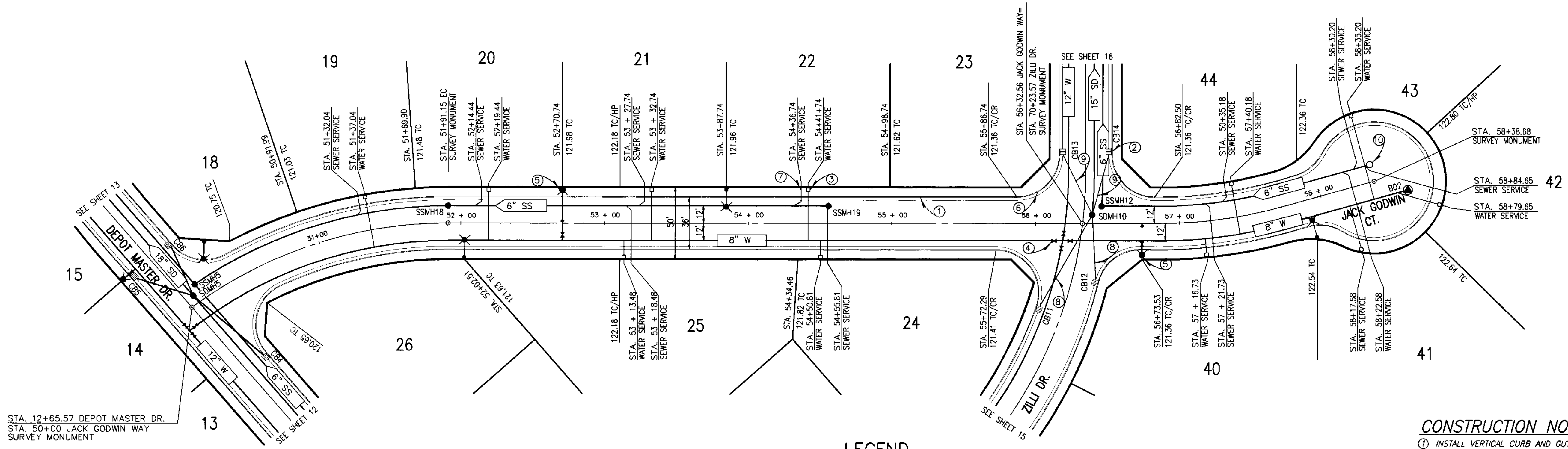
**ZEPHYR DRIVE
 STA. 31 + 00 TO STA. 41 + 00**

OCTOBER, 2003
 SAN JOAQUIN COUNTY

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: S.M.		18
			DESIGNED BY: C.D.		OF 27 SHEETS
			CHECKED BY: C.D.		JOB NO. 0005
			AS BUILT BY:		

DESCRIPTION:
 BRASS CAP S/W CORNER OF
 CONCRETE CULVERT 114' NORTH
 OF LINNE RD. ON THE WEST SIDE
 OF MAC ARTHUR DRIVE.

SCALE: 1" = 40'



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

JACK GODWIN WAY

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

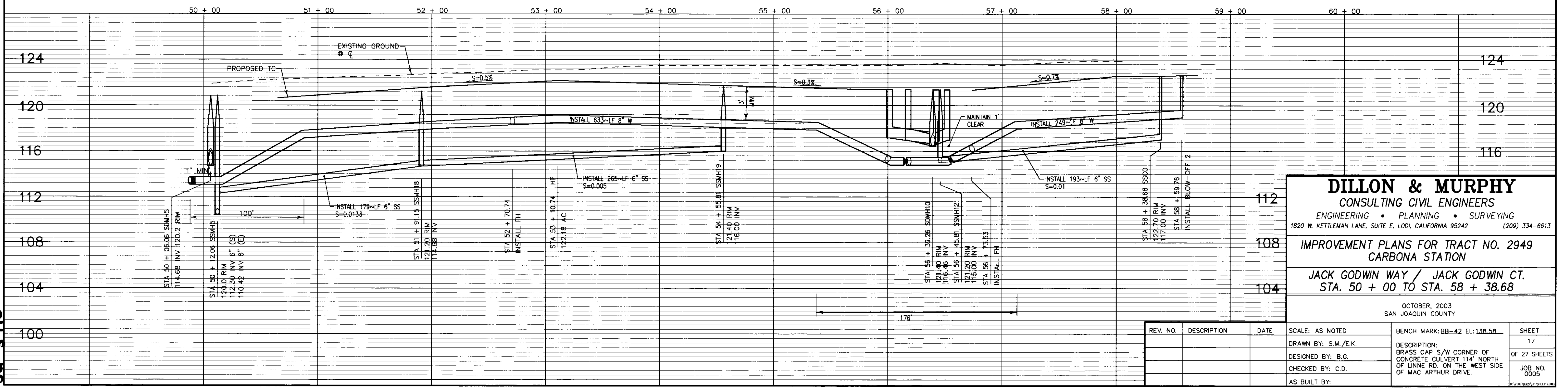
LEGEND

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

CONSTRUCTION NOTES

1. INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 20B TYP.
2. INSTALL CATCH BASIN SEE DETAIL SHEET 21 (TYP.).
3. INSTALL 1" WATER SERVICE/METER PER S.J. CO. STD. PLAN CW-W5 SEE DETAIL SHEET NO. 21 (TYP.).
4. INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 SEE DETAIL SHEET NO. 21 (TYP.).
5. INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 SEE DETAIL SHEET NO. 21 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
6. FACE OF CURB RADIUS= 30' (TYP.).
7. INSTALL 4" SEWER SERVICE PER S.J. CO. STD PLANS S-7A. SEE SHEET 21 (TYP.).
8. SEE STORM DRAIN CROSSING DETAIL F ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).
9. SEE STORM DRAIN CROSSING DETAIL G ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).
10. INSTALL SANITARY SEWER CLEANOUT PER S.J.CO. STD. CW-511.

SU 3716



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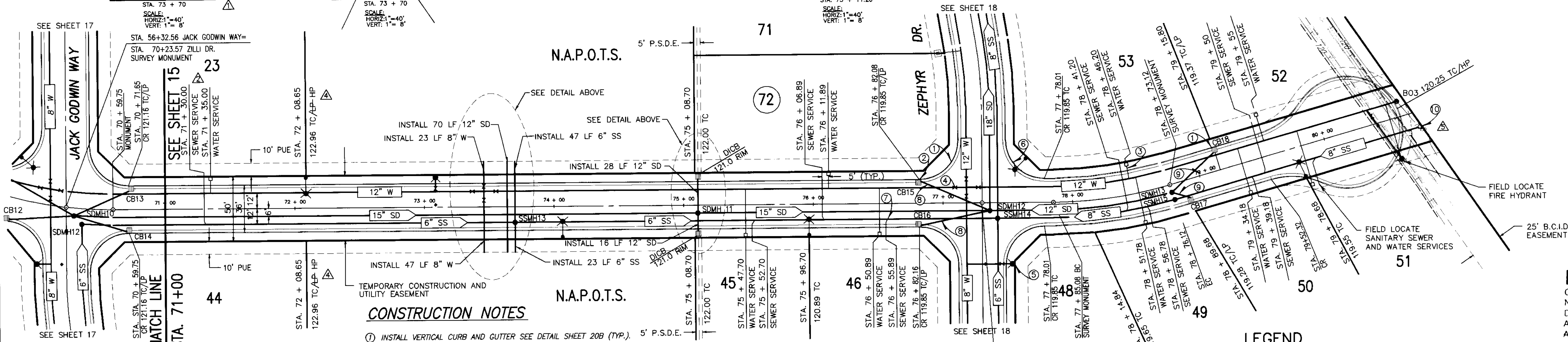
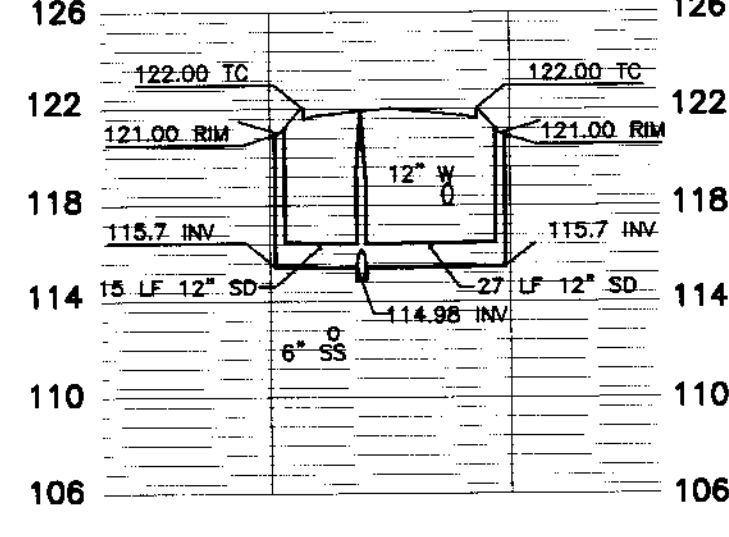
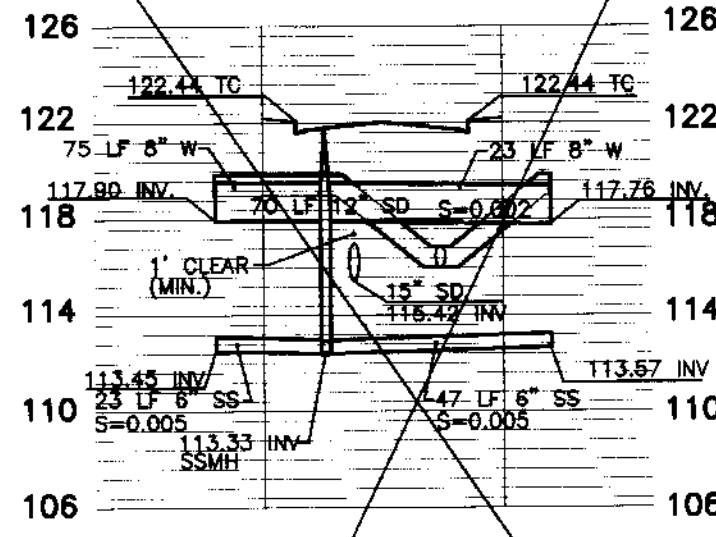
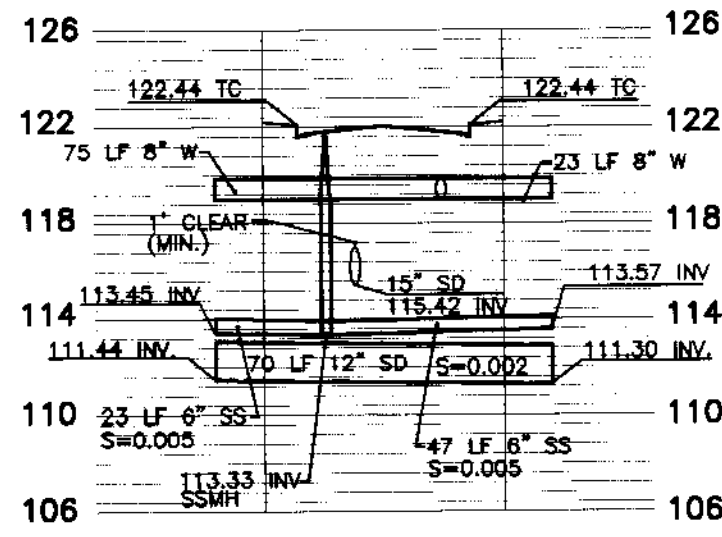
IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA TRACT

JACK GODWIN WAY / JACK GODWIN CT.
STA. 50 + 00 TO STA. 58 + 38.68

OCTOBER, 2003 SAN JOAQUIN COUNTY		SCALE: AS NOTED	BENCH MARK: BB-42 EL. 138.58	SHEET 17
REV. NO.	DESCRIPTION	DATE	DESCRIPTION:	OF 27 SHEETS
			BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD, ON THE WEST SIDE OF MAC ARTHUR DRIVE.	JOB NO. 0005
			AS BUILT BY:	

NOTE:
ALL PIPES SHALL BE PLUGGED AT BOTH ENDS.

SCALE: 1" = 40'



CONSTRUCTION NOTES

- 1) INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 20B (TYP.). 5' P.S.D.E.
- 2) INSTALL CATCH BASIN SEE DETAIL SHEET 21 (TYP.).
- 3) INSTALL 1" WATER SERVICE/METER PER S.J. CO. STD. PLAN CW-WB. SEE DETAIL SHEET NO. 21 (TYP.).
- 4) INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 21 (TYP.).
- 5) INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 21 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
- 6) FACE OF CURB RADIUS= 30' (TYP.).
- 7) INSTALL 4" SEWER SERVICE PER S.J. CO. STD. PLANS S-7A. SEE SHEET 21 (TYP.).
- 8) SEE STORM DRAIN CROSSING DETAIL H ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).
- 9) SEE STORM DRAIN CROSSING DETAIL J ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).
- 10) INSTALL SANITARY SEWER CLEAN-OUT PER S.J. CO. STD. PLAN CW-S11. SEE SHEET 20B (TYP.).
- 11) INSTALL A "Y" FITTING WITH A 1/8 BEND AND A SANITARY SEWER CLEANOUT

ZILLI DRIVE

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

RECORD DRAWING

Corrections By: 86
No Changes By:
Date: 1/26/05
Any Person Using This Drawing Should Verify All information By inspecting The Site Of Work.

LEGEND

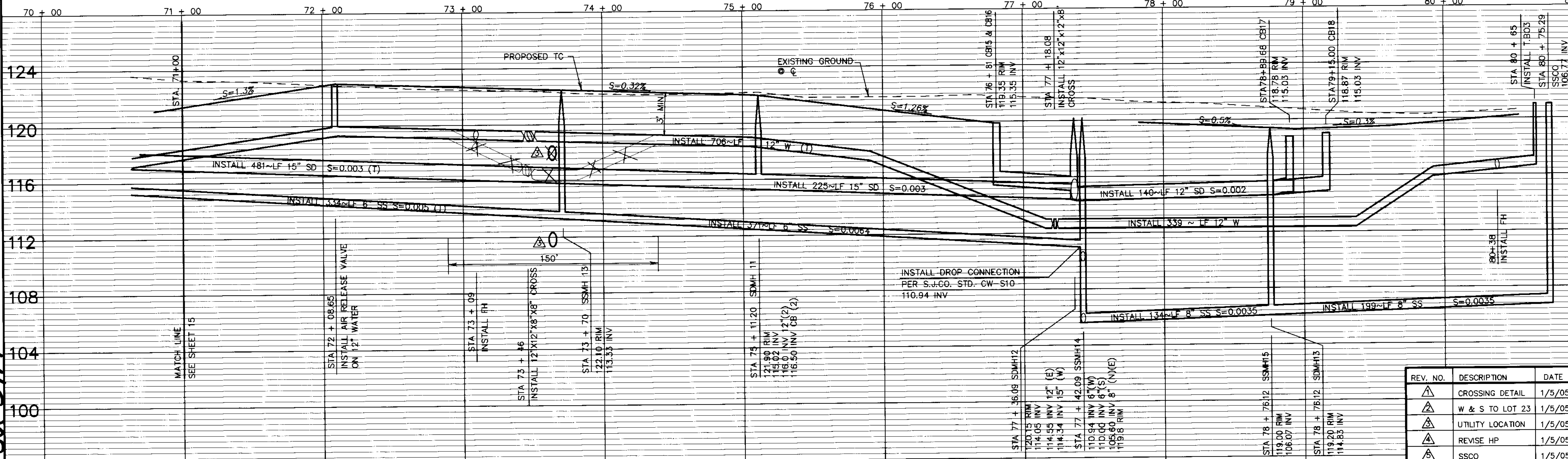
- AC. ASPHALT CONCRETE
- TC. TOP OF CURB
- W. WATER
- SD. STORM DRAIN
- F.P. EDGE OF PAVEMENT
- F.F. FINISH FLOOR
- P.U.E. PUBLIC UTILITY EASEMENT
- STA. STATION
- CL. CENTERLINE
- EX. EXISTING
- OG. ORIGINAL GROUND
- SDMH. PROPOSED STORM DRAIN MAINTENANCE HOLE
- SSMH. PROPOSED SANITARY SEWER MAINTENANCE HOLE
- HP. HIGH POINT
- (T). TOTAL
- SSCO. SANITARY SEWER CLEAN OUT
- B.C.I.D. BANTA CARBONA IRRIGATION DISTRICT
- LP. LOW POINT
- FG. FINISHED GRADE
- 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
- BIOLOGICAL SAMPLING STATION
- PRIVATE STORM DRAIN EASEMENT
- BLUE REFLECTIVE MARKER



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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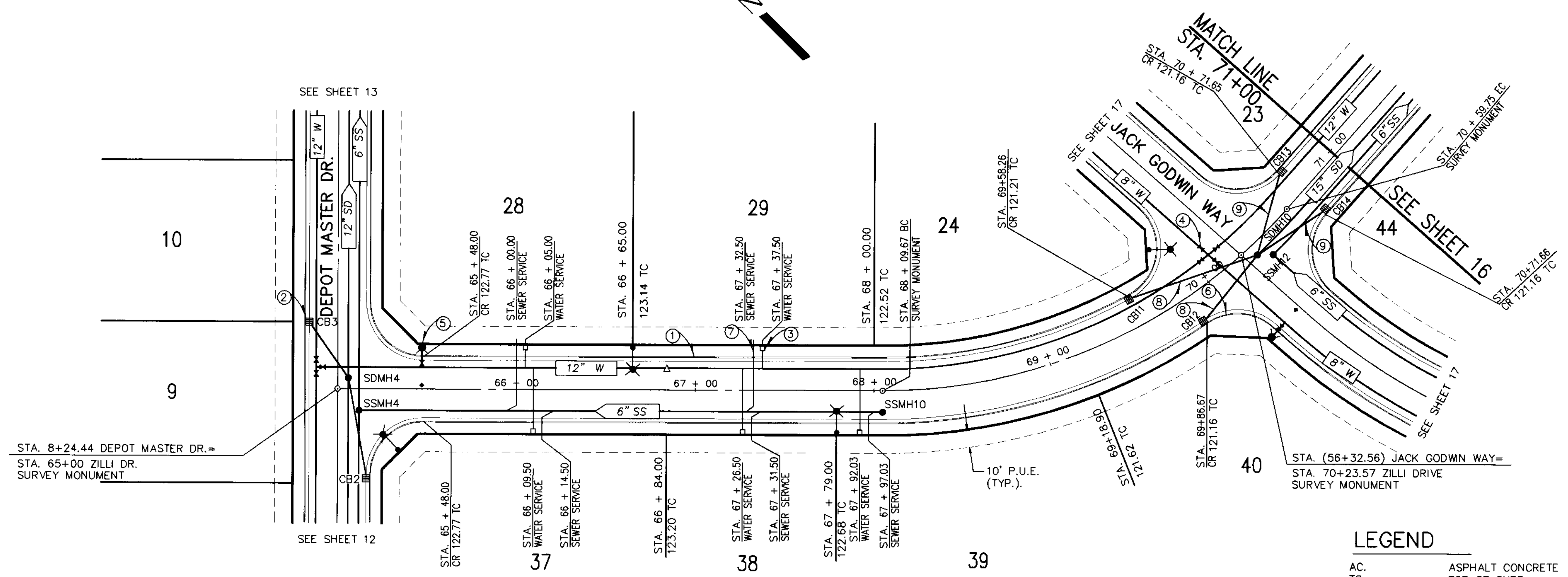
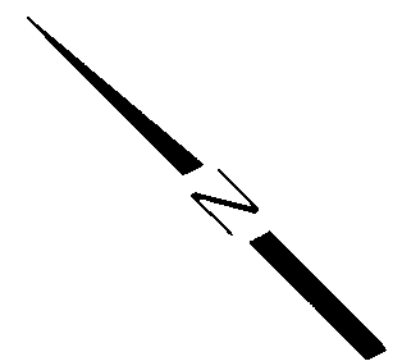
IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION
ZILLI DRIVE
STA. 71 + 00 TO STA. 80 + 71.24

REV. NO.	DESCRIPTION	DATE
1	CROSSING DETAIL	1/5/05
2	W & S TO LOT 23	1/5/05
3	UTILITY LOCATION	1/5/05
4	REVISE HP	1/5/05
5	SSCO	1/5/05

SCALE: AS NOTED
DRAWN BY: S.M./E.K.
DESIGNED BY: B.G.
CHECKED BY: C.D.
AS BUILT BY:

BENCH MARK: BB-42 EL: 138.58
DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.
JOB NO. 0005

SU 3717



- CONSTRUCTION NOTES**
- INSTALL VERTICAL CURB AND CUTTER SEE DETAIL SHEET 20B (TYP.).
 - INSTALL CATCH BASIN SEE DETAIL SHEET 21 (TYP.).
 - INSTALL 1" WATER SERVICE METER PER S.J. CO. STD. PLAN CW-WB. DETAIL SHEET NO. 21 (TYP.).
 - INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 21 (TYP.).
 - INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 21 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
 - FACE OF CURB RADIUS= 30' (TYP.).
 - INSTALL 4" SEWER SERVICE PER S.J. CO. STD PLANS S-7A. SEE SHEET 21 (TYP.).
 - SEE STORM DRAIN CROSSING DETAIL F ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).
 - SEE STORM DRAIN CROSSING DETAIL G ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).

LEGEND

- | | | | |
|--------|--|--------|----------------------------|
| AC. | ASPHALT CONCRETE | LP | LOW POINT |
| TC. | TOP OF CURB | FC | FINISHED GRADE |
| W | WATER | GB | GRADE BREAK |
| SD | STORM DRAIN | (TYP.) | TYPICAL |
| E/P | EDGE OF PAVEMENT | SS | SANITARY SEWER |
| F.F. | FINISH FLOOR | INV | INVERT |
| P.U.E. | PUBLIC UTILITY EASEMENT | (2) | SEE CONSTRUCTION NOTES |
| STA. | STATION | ○ | EX. POWER POLE |
| CL | CENTERLINE | ○ | PROPOSED STREET LIGHT |
| EX | EXISTING | ○ | PROPOSED CATCH BASIN |
| OG | ORIGINAL GROUND | ○ | PROPOSED FIRE HYDRANT |
| SDMH | PROPOSED STORM DRAIN MAINTENANCE HOLE | ○ | PROPOSED WATER VALVE |
| SSMH | PROPOSED SANITARY SEWER MAINTENANCE HOLE | ○ | EXISTING WATER VALVE |
| HP | HIGH POINT | ○ | BLUE REFLECTIVE MARKER |
| (T) | TOTAL | ○ | PROPOSED AIR RELEASE VALVE |
| SSCO | SANITARY SEWER CLEAN OUT | △ | |

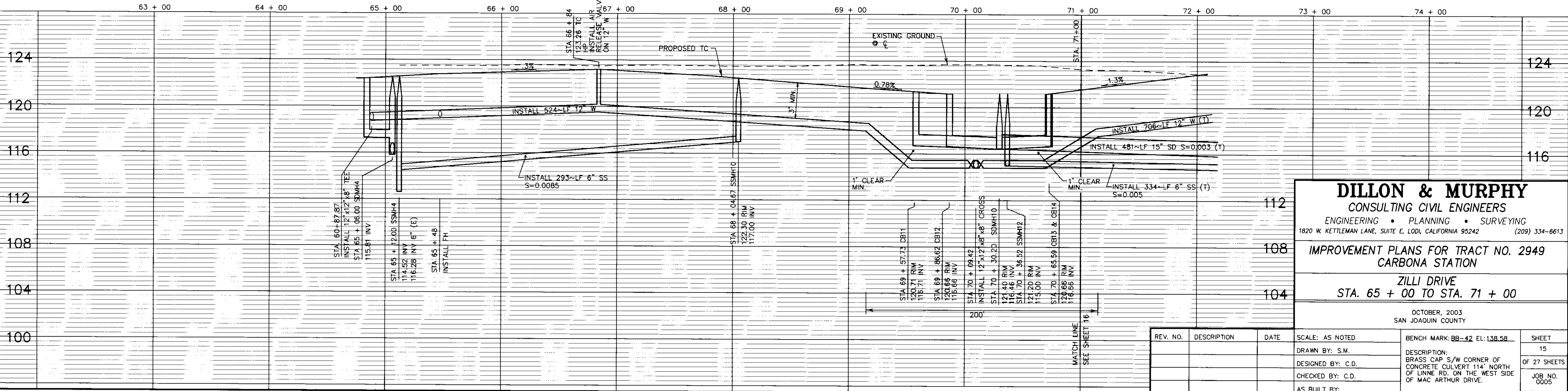
BEFORE YOU DIG

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

ZILLI DRIVE

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



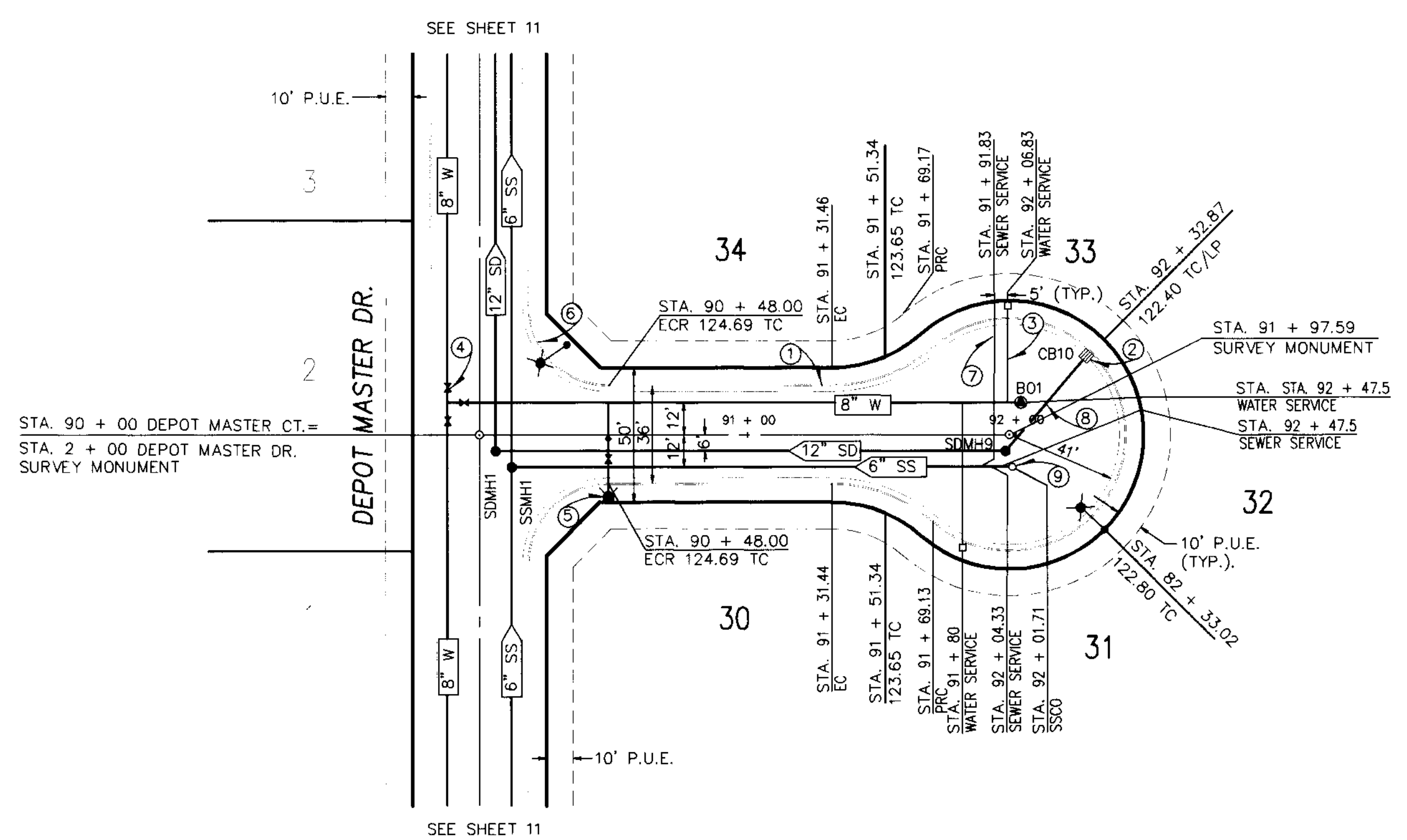
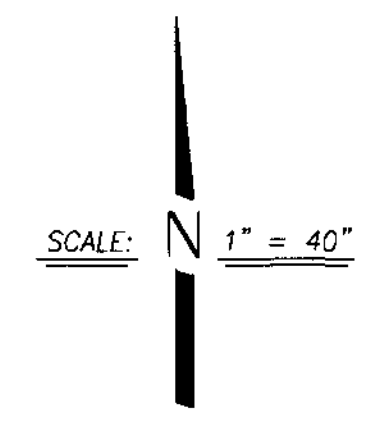
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**IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION**

**ZILLI DRIVE
STA. 65 + 00 TO STA. 71 + 00**

OCTOBER, 2003
SAN JOAQUIN COUNTY

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET 15 OF 27 SHEETS
			DRAWN BY: S.M.	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	JOB NO. 0005
			DESIGNED BY: C.D.		
			CHECKED BY: C.D.		
			AS BUILT BY:		



LEGEND

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

CONSTRUCTION NOTES

1. INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 20B (TYP.).
2. INSTALL CATCH BASIN SEE DETAIL SHEET 21 (TYP.).
3. INSTALL 1" WATER SERVICE METER PER S.J. CO. STD. PLAN CW-WB. DETAIL SHEET NO. 21. (TYP.).
4. INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 21. (TYP.).
5. INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 21 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
6. FACE OF CURB RADIUS= 30' (TYP.).
7. INSTALL 4" SEWER SERVICE PER S.J. CO. STD. PLANS S-7A SHEET NO. 21. (TYP.).
8. SEE STORM DRAIN CROSSING DETAIL L ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL.
9. INSTALL SANITARY SEWER CLEAN OUT PER S.J. CO. STD. PLAN CW-S11, SHEET NO. 20B (TYP.).

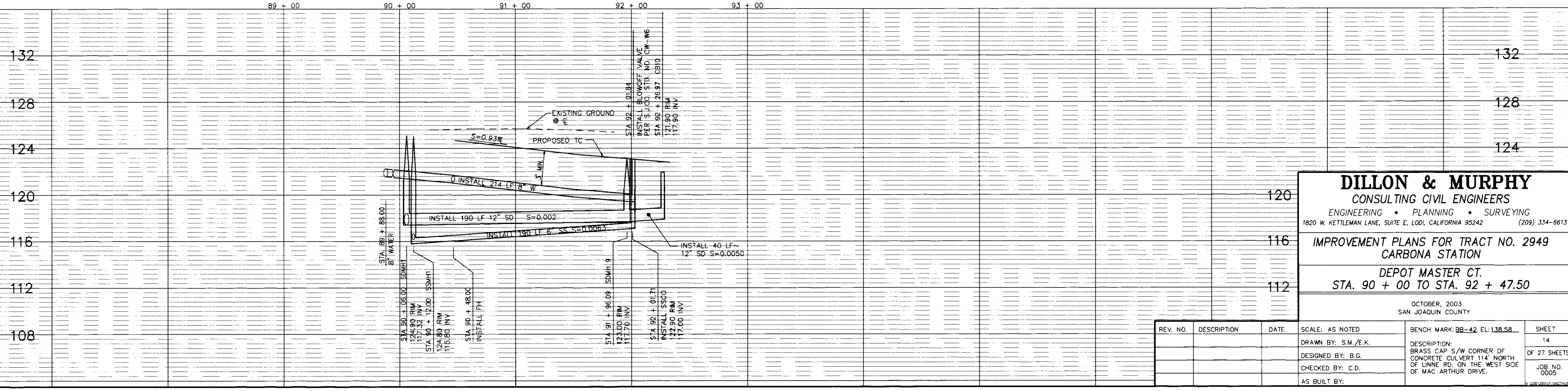
BEFORE YOU DIG

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DEPOT MASTER CT.

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

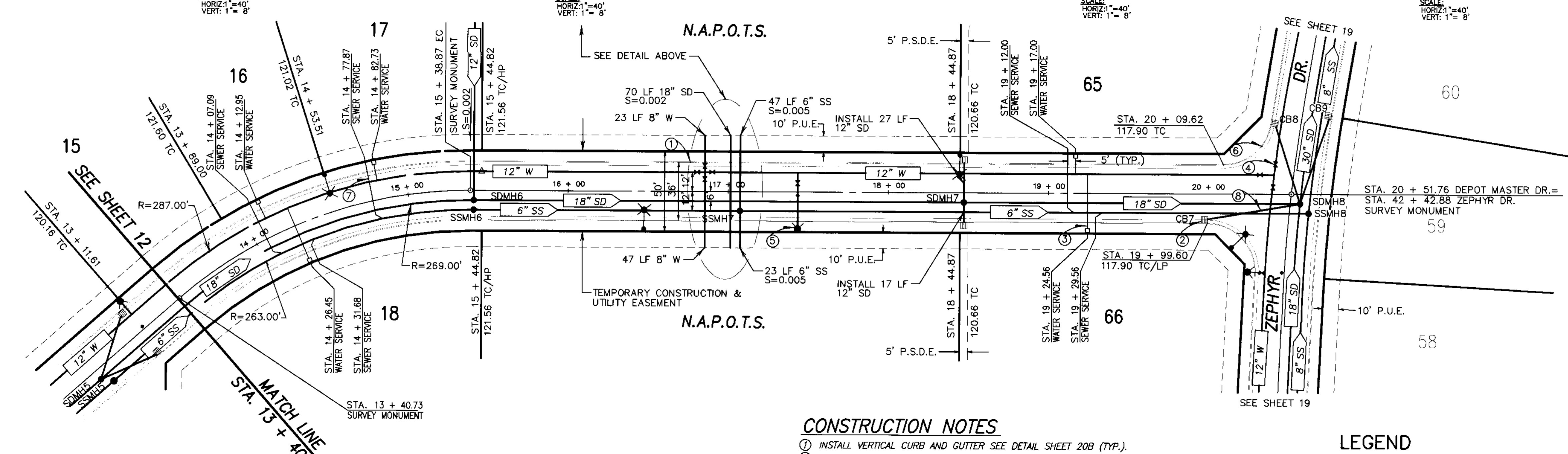
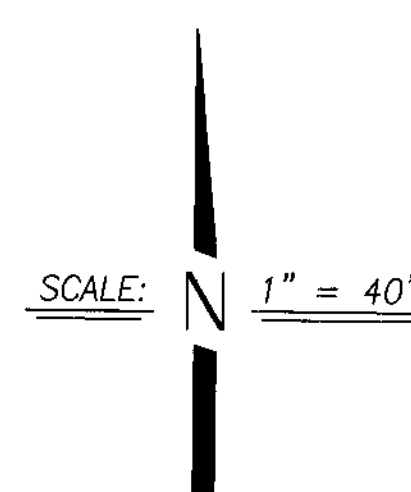
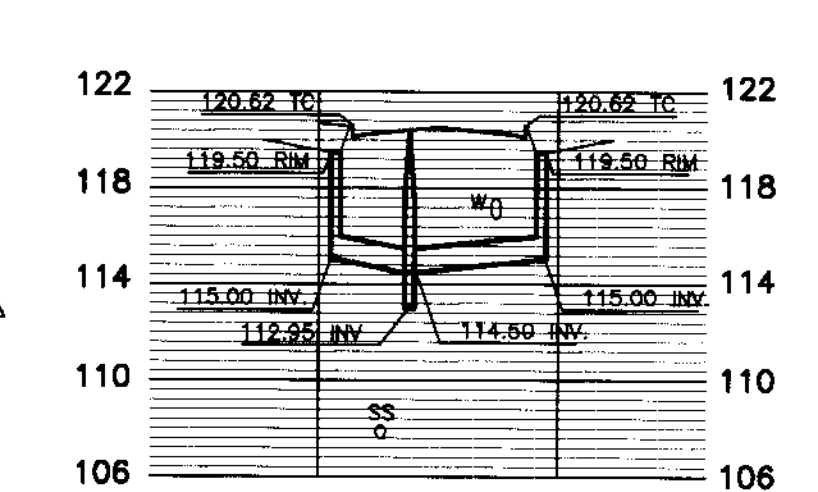
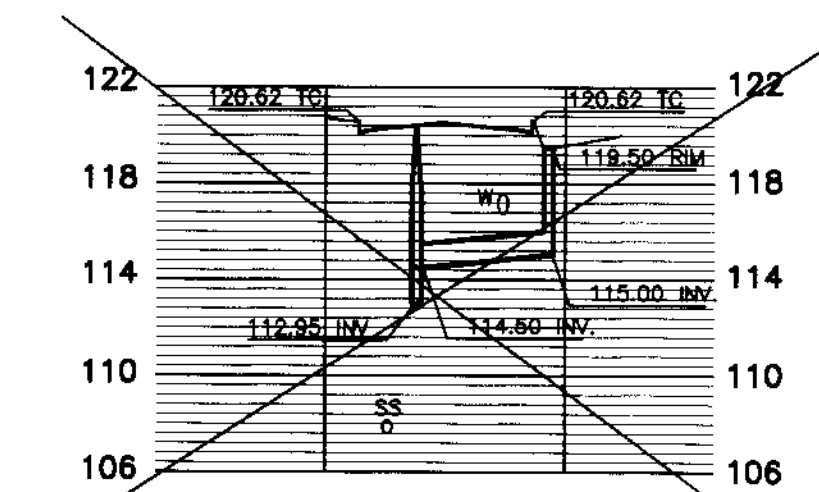
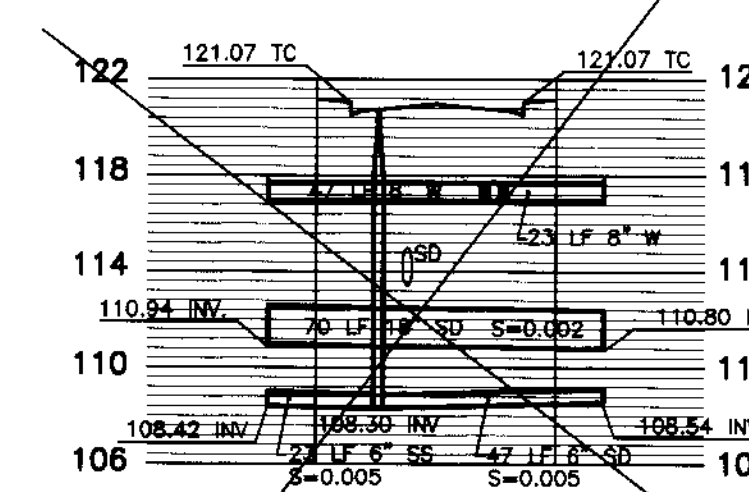
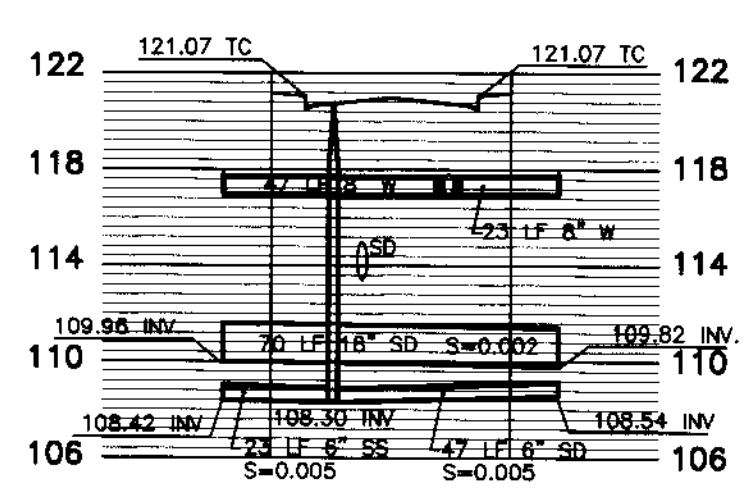


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**IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION**

**DEPOT MASTER CT.
STA. 90 + 00 TO STA. 92 + 47.50**

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: S.M./E.K.	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	14
			DESIGNED BY: B.G.		OF 27 SHEETS
			CHECKED BY: C.D.		JOB NO. 0005
			AS BUILT BY:		



CONSTRUCTION NOTES

- ① INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 20B (TYP.).
- ② INSTALL CATCH BASIN SEE DETAIL SHEET 21 (TYP.).
- ③ INSTALL 1" WATER SERVICE METER PER S.J. CO. STD. PLAN CW-WB. DETAIL SHEET NO. 21. (TYP.).
- ④ INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 21. (TYP.).
- ⑤ INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 21 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
- ⑥ FACE OF CURB RADIUS= 30' (TYP.).
- ⑦ INSTALL 4" SEWER SERVICE PER S.J. CO. STD PLANS S-7A SHEET NO. 21. (TYP.).
- ⑧ SEE STORM DRAIN CROSSING DETAIL E ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).

LEGEND

AC.	ASPHALT CONCRETE	△	PROPOSED AIR RELEASE VALVE
TC.	TOP OF CURB	FG	FINISHED GRADE
W	WATER	(T)	TOTAL
SD	STORM DRAIN	GB	GRADE BREAK
T/P	EDGE OF PAVEMENT	(TYP.)	TYPICAL
F.F.	FINISH FLOOR	SS	SANITARY SEWER
P.U.E.	PUBLIC UTILITY EASEMENT	INV	INVERT
STA.	STATION	②	SEE CONSTRUCTION NOTES
CL	CENTERLINE	○	EX. POWER POLE
EX	EXISTING	○	PROPOSED STREET LIGHT
OG	ORIGINAL GROUND	○	PROPOSED CATCH BASIN
SDMH	PROPOSED STORM DRAIN MAINTENANCE HOLE	○	PROPOSED FIRE HYDRANT
SSMH	PROPOSED SANITARY SEWER MAINTENANCE HOLE	○	PROPOSED WATER VALVE
HP	HIGH POINT	○	EXISTING WATER VALVE
LP	LOW POINT	○	EXISTING WATER VALVE
SSCO	SANITARY SEWER CLEAN OUT	○	BLUE REFLECTIVE MARKER

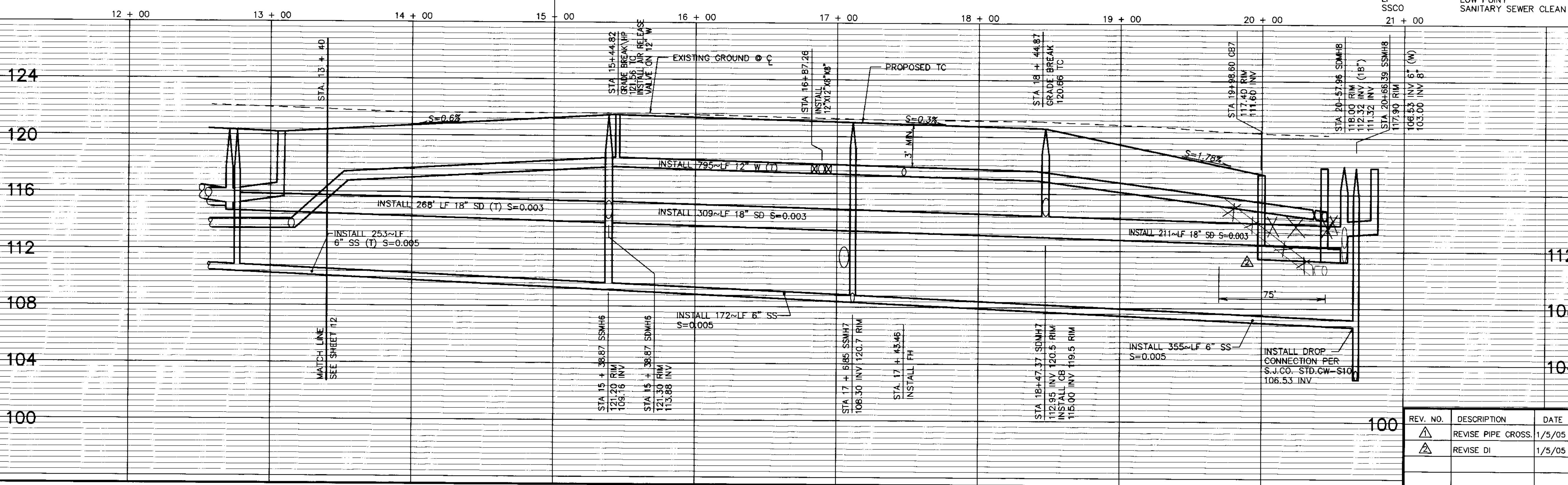
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DEPOT MASTER DR.

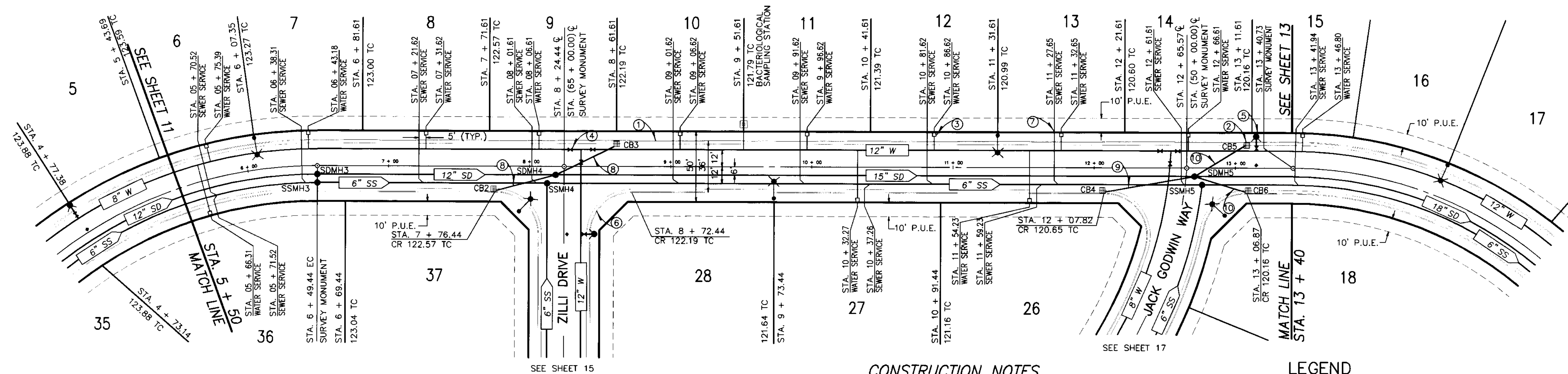
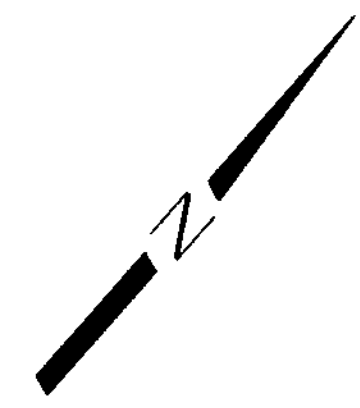
SCALE: HORIZ: 1"=40' VERT: 1"=4'



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1820 W. KETTLEMAN LANE, SUITE E, LODI, CALIFORNIA 95242 (209) 334-6613

IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION
DEPOT MASTER DR.
STA. 13 + 40 TO STA. 20 + 75.39

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
1	REVISE PIPE CROSS.	1/5/05	DRAWN BY: S.M./E.K.	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	13
2	REVISE DI	1/5/05	DESIGNED BY: B.G.		OF 27 SHEETS
			CHECKED BY: C.D.		JOB NO. 0005
			AS BUILT BY:		



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

DEPOT MASTER DR.

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

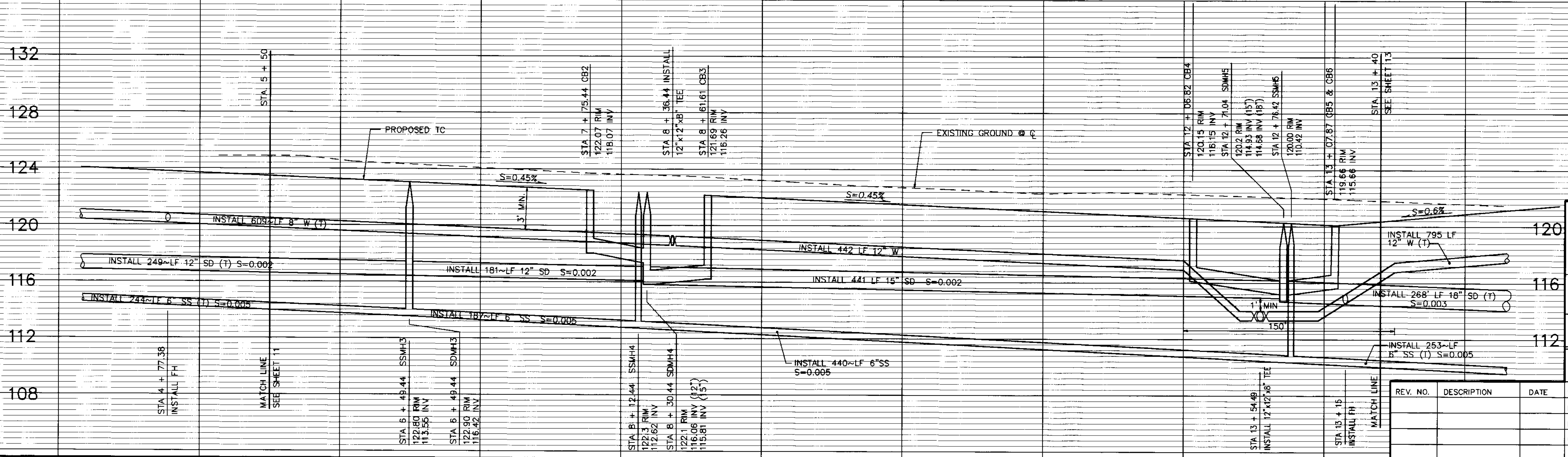
CONSTRUCTION NOTES

- ① INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 20B (TYP.).
- ② INSTALL CATCH BASIN SEE DETAIL SHEET 21 (TYP.).
- ③ INSTALL 1" WATER SERVICE/METER PER S.J. CO. STD. PLAN CW-WB. DETAIL SHEET NO. 21 (TYP.).
- ④ INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 21 (TYP.).
- ⑤ INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 21 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
- ⑥ FACE OF CURB RADIUS= 30' (TYP.).
- ⑦ INSTALL 4" SEWER SERVICE PER S.J. CO. STD PLANS S-7A (TYP.).
- ⑧ SEE STORM DRAIN CROSSING DETAIL B ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).
- ⑨ SEE STORM DRAIN CROSSING DETAIL C ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).
- ⑩ SEE STORM DRAIN CROSSING DETAIL D ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).

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. P. STATION
- CL. CENTERLINE
- EX. EXISTING
- OG. ORIGINAL GROUND
- SDMH PROPOSED STORM DRAIN MAINTENANCE HOLE
- SSMH PROPOSED SANITARY SEWER MAINTENANCE HOLE
- 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
- ①. SEE CONSTRUCTION NOTES
- . EX. POWER POLE
- . PROPOSED STREET LIGHT
- . PROPOSED CATCH BASIN
- . PROPOSED FIRE HYDRANT
- . PROPOSED WATER VALVE
- . EXISTING WATER VALVE
- . BACTERIOLOGICAL SAMPLING STATION
- . BLUE REFLECTIVE MARKER

5 + 00 6 + 00 7 + 00 8 + 00 9 + 00 10 + 00 11 + 00 12 + 00 13 + 00 14 + 00



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**IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION**

**DEPOT MASTER DR.
STA. 5 + 50 TO STA. 13 + 40**

OCTOBER, 2003
SAN JOAQUIN COUNTY

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58
			DRAWN BY: S.M./E.K.	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.
			DESIGNED BY: B.G.	
			CHECKED BY: C.D.	
			AS BUILT BY:	

SU 3721

SHEET
12
OF 27 SHEETS
JOB NO.
0005

SCALE: 1" = 40'

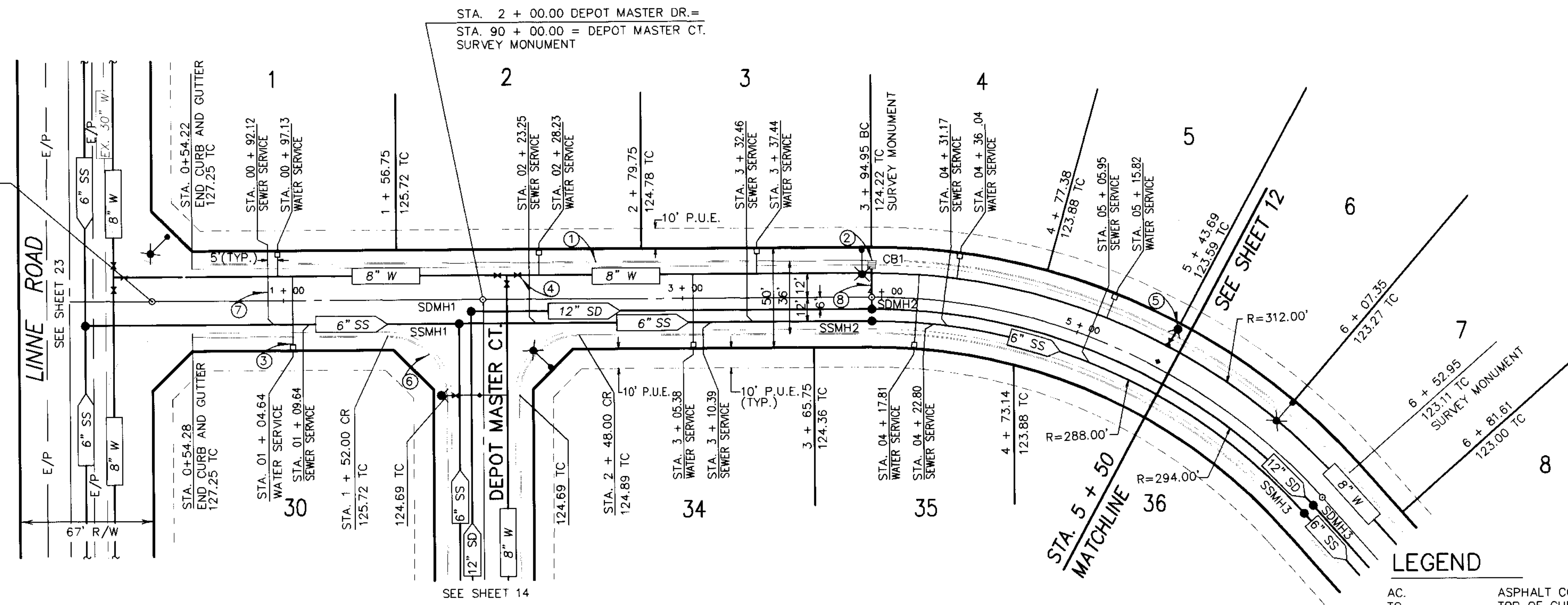
CONSTRUCTION NOTES

- 1 INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 20B (TYP.).
- 2 INSTALL CATCH BASIN SEE DETAIL SHEET 21 (TYP.).
- 3 INSTALL 1" WATER SERVICE/METER PER S.J. CO. STD. PLAN CW-WB. DETAIL SHEET NO. 21 (TYP.).
- 4 INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 21 (TYP.).
- 5 INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 21 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
- 6 FACE OF CURB RADIUS= 30' (TYP.).
- 7 INSTALL 4" SEWER SERVICE PER S.J. CO. STD. PLANS S-7A. SEE SHEET 21 (TYP.).
- 8 SEE DETAIL STORM DRAIN CROSSING A ON SHEET 27 FOR D.I.C.B. LATERAL DETAIL (TYP.).

BEFORE YOU DIG

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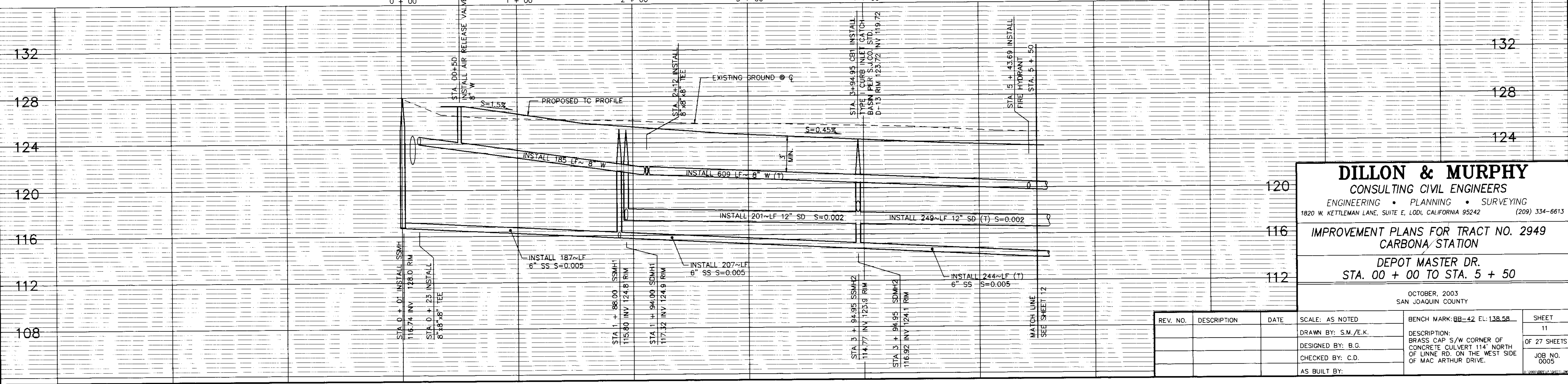


DEPOT MASTER DR.

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

LEGEND

- | | | | |
|--------|--|--------|----------------------------|
| AC | ASPHALT CONCRETE | FG | FINISHED GRADE |
| TC | TOP OF CURB | (T) | TOTAL |
| W | WATER | GB | GRADE BREAK |
| SD | STORM DRAIN | (TYP.) | TYPICAL |
| E/P | EDGE OF PAVEMENT | SS | SANITARY SEWER |
| F.F. | FINISH FLOOR | INV | INVERT |
| P.U.E. | PUBLIC UTILITY EASEMENT | | |
| STA. | STATION | | |
| CL | CENTERLINE | | |
| EX | EXISTING | | |
| OG | ORIGINAL GROUND | | |
| SDMH | PROPOSED STORM DRAIN MAINTENANCE HOLE | | |
| SSMH | PROPOSED SANITARY SEWER MAINTENANCE HOLE | | |
| HP | HIGH POINT | | |
| LP | LOW POINT | | |
| SSCO | SANITARY SEWER CLEAN OUT | | |
| | | | 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 |



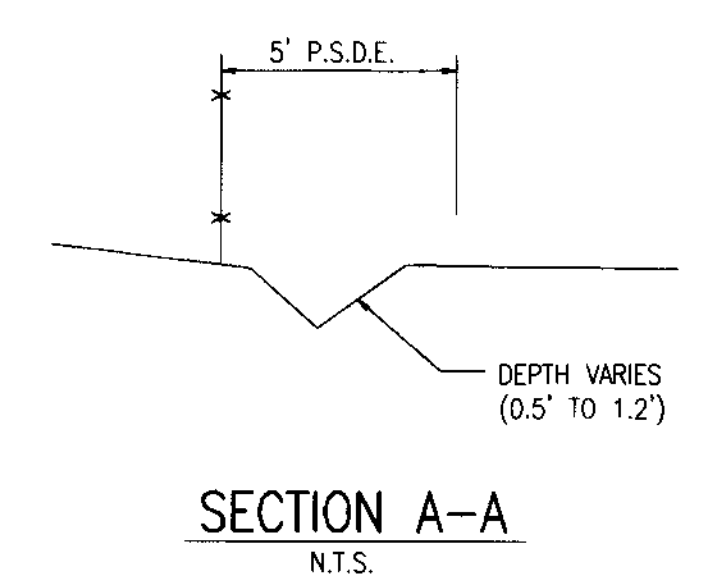
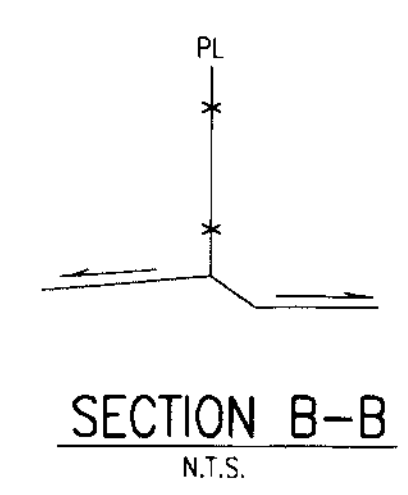
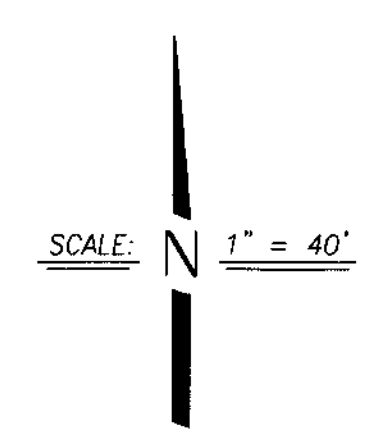
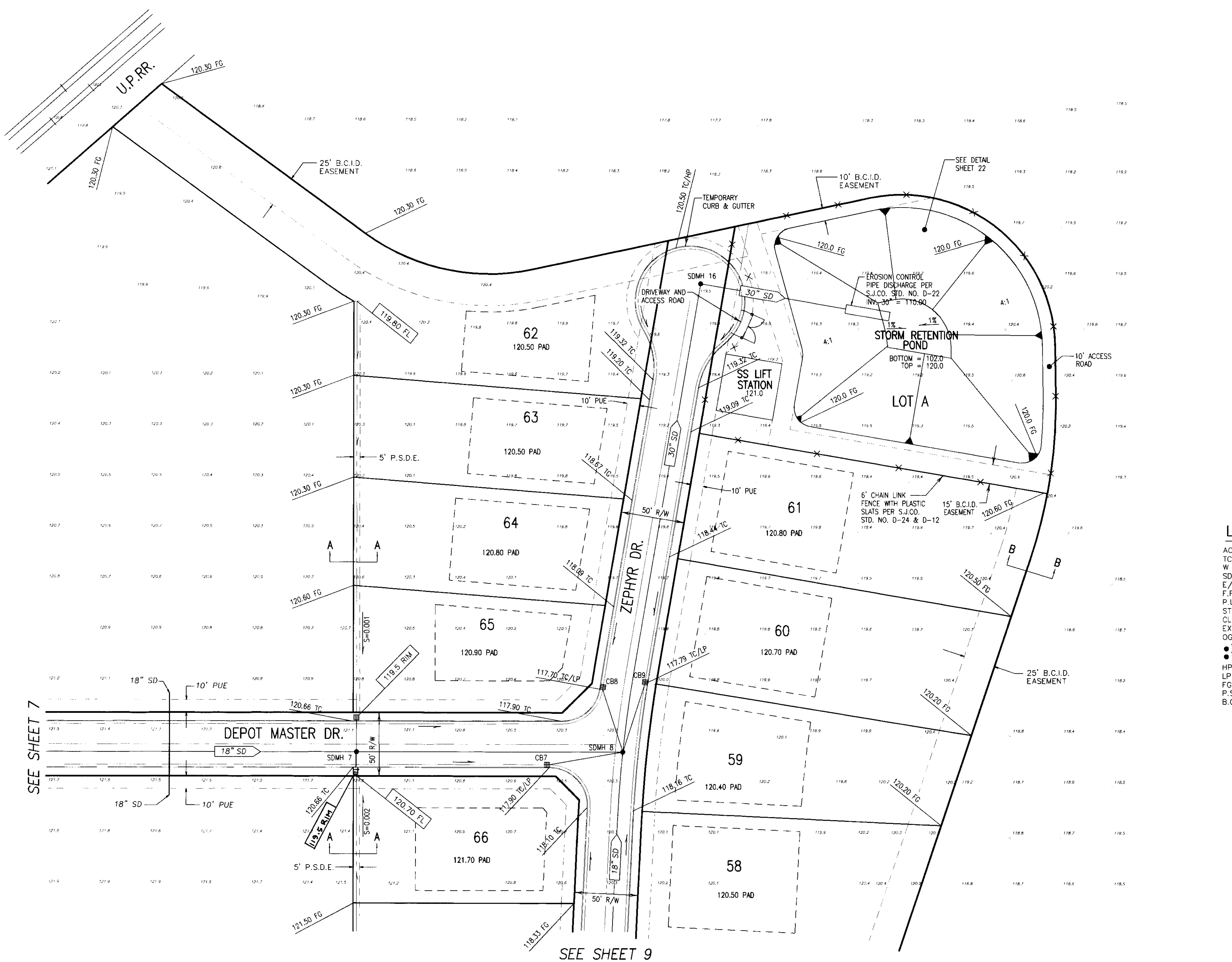
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**IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION**

**DEPOT MASTER DR.
STA. 00 + 00 TO STA. 5 + 50**

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: 88-42 EL: 138.58	SHEET
	DRAWN BY: S.M./E.K.				11
	DESIGNED BY: B.G.			DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	OF 27 SHEETS
	CHECKED BY: C.D.				JOB NO. 0005
	AS BUILT BY:				

SU 372a



LEGEND

- | | | | |
|----------|-----------------------------------|--------|------------------------|
| AC. | ASPHALT CONCRETE | GB | GRADE BREAK |
| TC. | TOP OF CURB | (TYP.) | TYPICAL |
| W | WATER | SS | SANITARY SEWER |
| SD | STORM DRAIN | INV | INVERT |
| E/P | EDGE OF PAVEMENT | Ⓢ | 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 |
| ● | SDMH | | |
| ● | SSMH | | |
| HP | HIGH POINT | | |
| LP | LOW POINT | | |
| FG | FINISHED GRADE | | |
| P.S.D.E. | PRIVATE STORM DRAIN EASEMENT | | |
| B.C.I.D. | BANTA CARBONA IRRIGATION DISTRICT | | |

SEE SHEET 7

SEE SHEET 9



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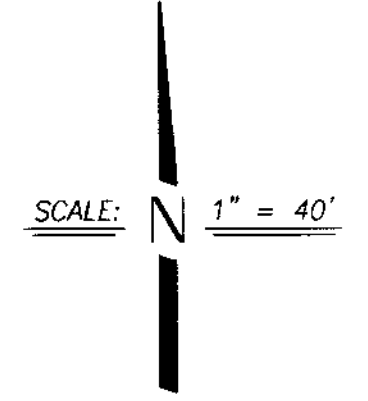
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**IMPROVEMENT PLANS FOR TRACT NO. 2949
 CARBONA STATION**

**GRADING PLAN - DEPOT MASTER DR.
 ZEPHYR DR.**

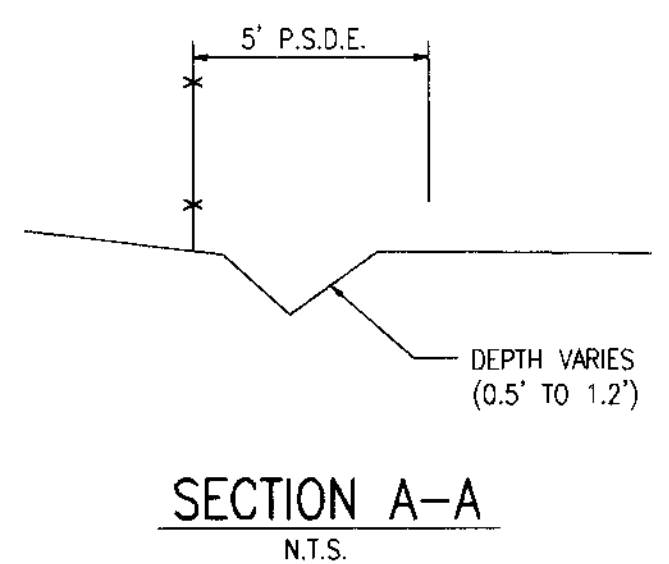
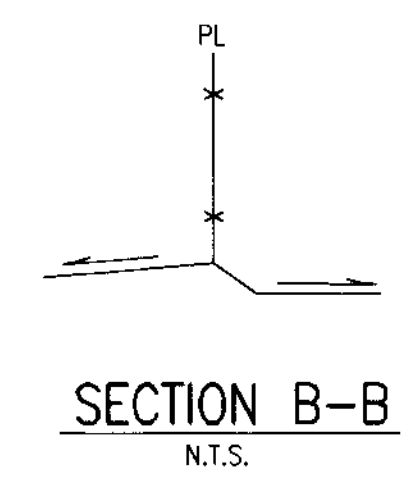
OCTOBER, 2003 TRACY, CALIFORNIA		SCALE: 1" = 40'	BENCH MARK: BB-42 EL: 138.58	SHEET 10
REV. NO.	DESCRIPTION	DATE	DESCRIPTION:	OF 27 SHEETS
			BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINN RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	JOB NO. 0005
			DRAWN BY: EK	
			DESIGNED BY: JM	
			CHECKED BY:	
			AS BUILT BY:	

SEE SHEET 10



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
- SDMH. PROPOSED STORM DRAIN MAINTENANCE HOLE
- SSMH. PROPOSED SANITARY SEWER MAINTENANCE HOLE
- HP. HIGH POINT
- LP. LOW POINT
- FG. FINISHED GRADE
- P.S.D.E. PRIVATE STORM DRAIN EASEMENT
- B.C.I.D. BANTA CARBONA IRRIGATION DISTRICT
- GB (TYP.) GRADE BREAK TYPICAL
- SS INV. SANITARY SEWER INVERT
- SEE CONSTRUCTION NOTES
- EX. POWER POLE
- PROPOSED STREET LIGHT
- PROPOSED CATCH BASIN
- PROPOSED FIRE HYDRANT
- PROPOSED WATER VALVE
- EXISTING WATER VALVE



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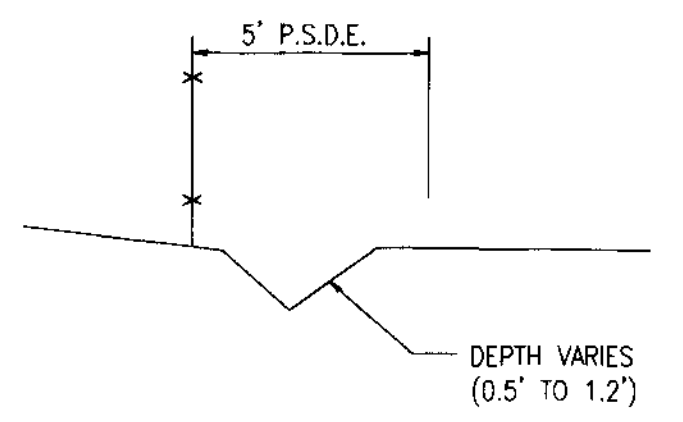
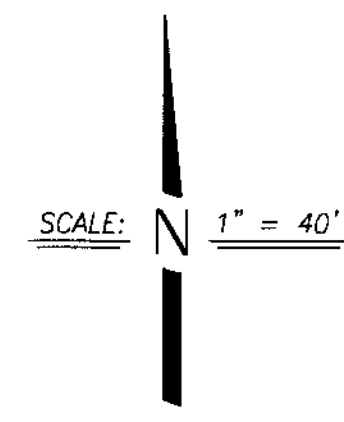
**IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION**

**GRADING PLAN - DEPOT MASTER DR.
ZEPHYR DR.**

OCTOBER, 2003
TRACY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 40'	BENCH MARK: BB-42 EL: 138.58	SHEET
	DRAWN BY: EK				9
	DESIGNED BY: JM				OF 27 SHEETS
	CHECKED BY:				JOB NO. 0005
	AS BUILT BY:				

SU 3/2/04



LEGEND

- | | | | |
|----------|--|--------|------------------------|
| AC. | ASPHALT CONCRETE | GB | GRADE BREAK |
| TC. | TOP OF CURB | (TYP.) | TYPICAL |
| W | WATER | SS | SANITARY SEWER |
| SD | STORM DRAIN | INV | INVERT |
| E/P | EDGE OF PAVEMENT | | 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 |
| OC | ORIGINAL GROUND | | EXISTING WATER VALVE |
| ● SDMH | PROPOSED STORM DRAIN MAINTENANCE HOLE | | |
| ● SSMH | PROPOSED SANITARY SEWER MAINTENANCE HOLE | | |
| HP | HIGH POINT | | |
| LP | LOW POINT | | |
| FG | FINISHED GRADE | | |
| B.C.I.D. | BANTA CARBONA IRRIGATION DISTRICT | | |
| P.S.D.E. | PRIVATE STORM DRAIN EASEMENT | | |



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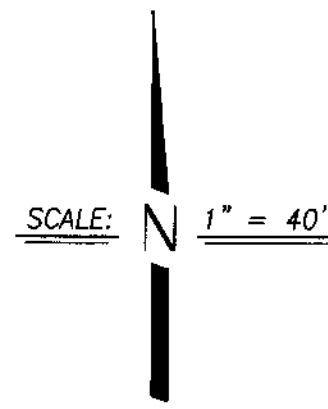
REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 40'	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: EK		8
			DESIGNED BY: JM	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	OF 27 SHEETS
			CHECKED BY:		JOB NO. 0005
			AS BUILT BY:		

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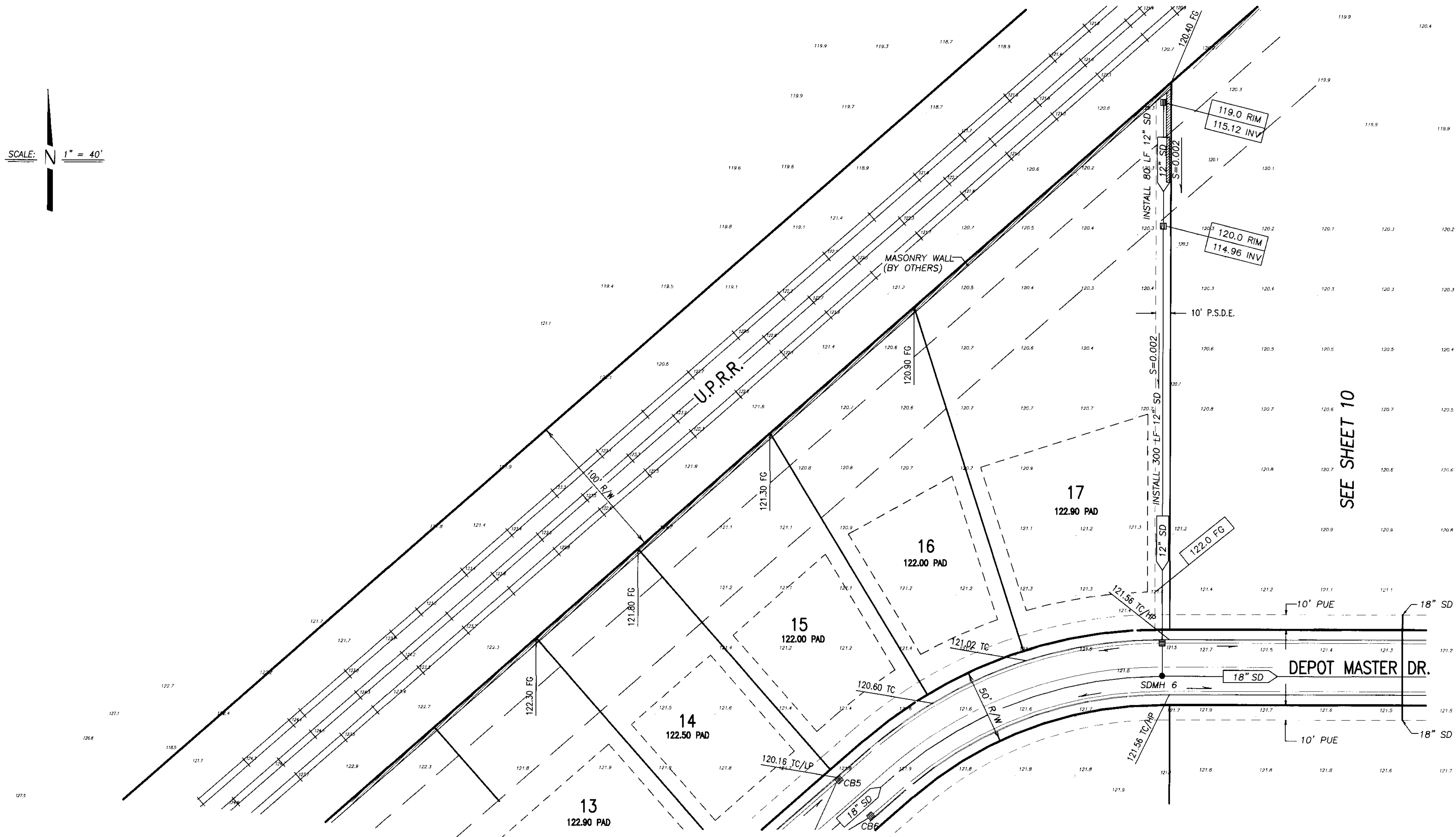
IMPROVEMENT PLANS FOR TRACT NO. 2949
 CARBONA STATION

GRADING PLAN - ZILLI DRIVE
 ZEPHYR DRIVE

OCTOBER, 2003
 TRACY, CALIFORNIA



SCALE: 1" = 40'




SEE SHEET 10

SEE SHEET 6

LEGEND

- | | | | |
|--------|--|--------|------------------------|
| AC. | ASPHALT CONCRETE | GB | GRADE BREAK |
| TC. | TOP OF CURB | (TYP.) | TYPICAL |
| W. | WATER | SS | SANITARY SEWER |
| SD | STORM DRAIN | INV | INVERT |
| E/P | EDGE OF PAVEMENT | | 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 |
| ● SDMH | PROPOSED STORM DRAIN MAINTENANCE HOLE | | |
| ● SSMH | PROPOSED SANITARY SEWER MAINTENANCE HOLE | | |
| HP | HIGH POINT | | |
| LP | LOW POINT | | |
| FG | FINISHED GRADE | | |



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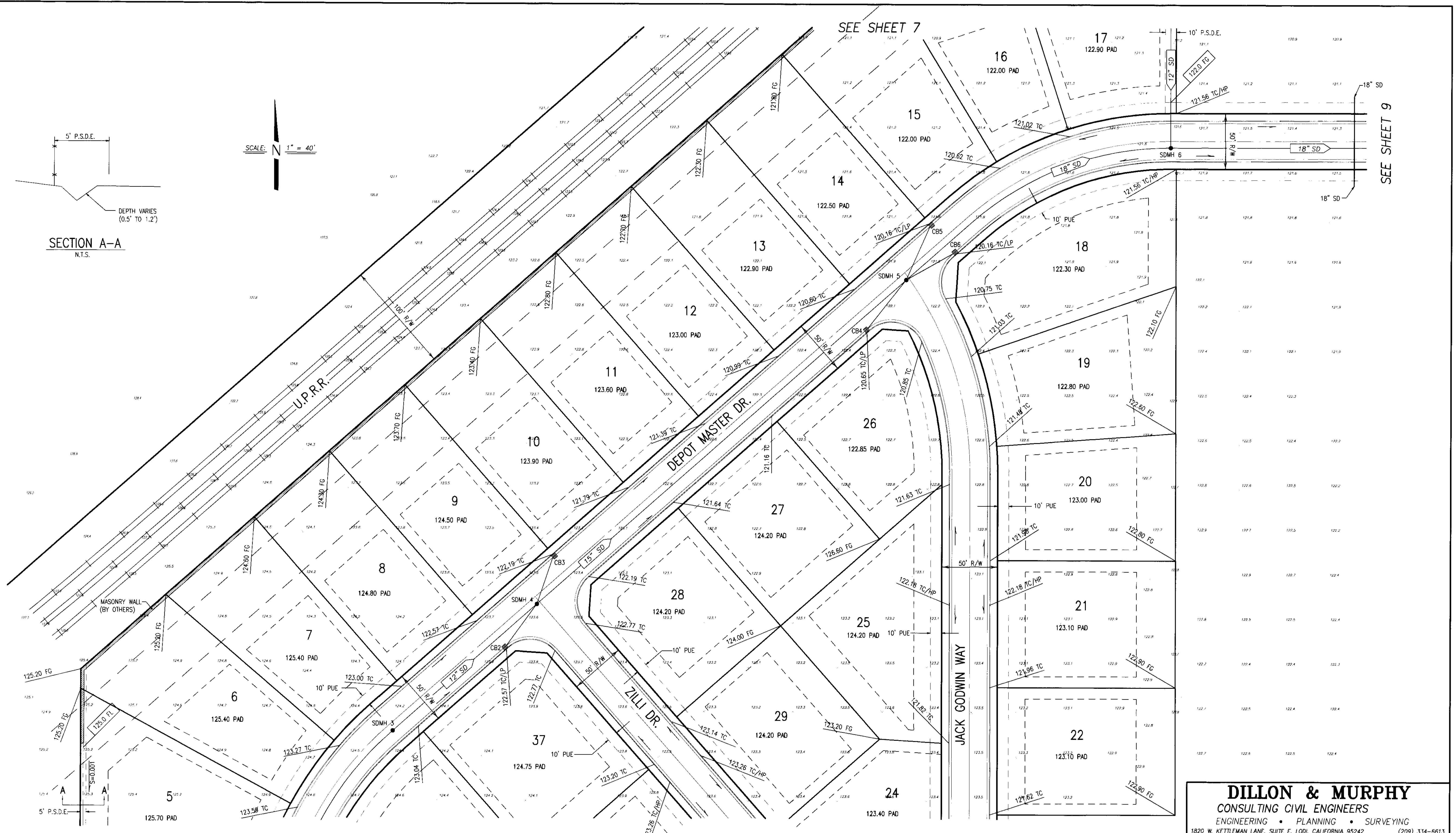
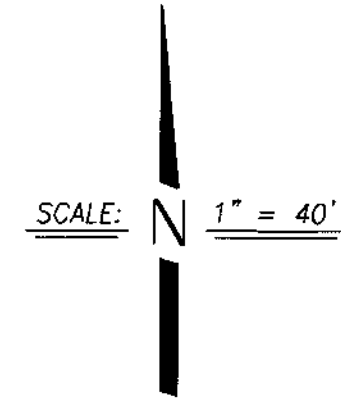
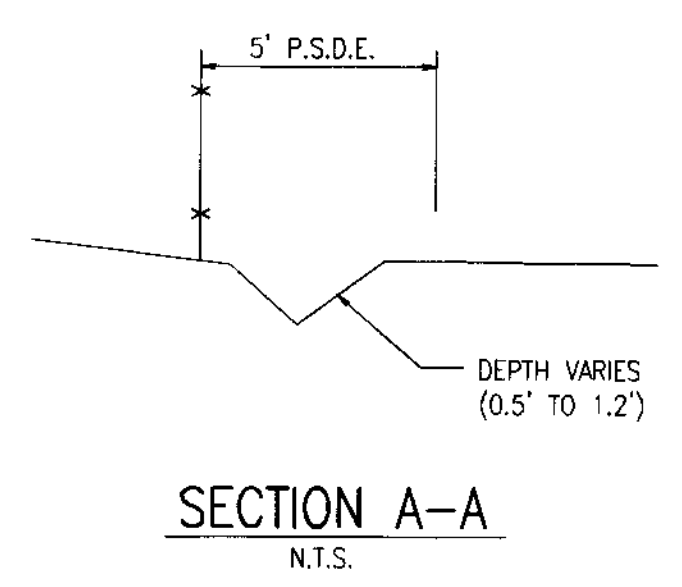
**IMPROVEMENT PLANS FOR TRACT NO. 2949
 CARBONA STATION**

GRADING PLAN - DEPOT MASTER DR.

AUGUST, 2003
 TRACY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 40'	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: EK		7
			DESIGNED BY: JM	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	OF 27 SHEETS
			CHECKED BY:		JOB NO. 0005
			AS BUILT BY:		

SU 3726



LEGEND

- | | | | |
|--------|--|--------|----------------|
| AC. | ASPHALT CONCRETE | GB | GRADE BREAK |
| TC. | TOP OF CURB | (TYP.) | TYPICAL |
| W | WATER | SS | SANITARY SEWER |
| SD | STORM DRAIN | INV | INVERT |
| E/P | EDGE OF PAVEMENT | | |
| F.F. | FINISH FLOOR | | |
| P.U.E. | PUBLIC UTILITY EASEMENT | | |
| STA. | STATION | | |
| CL | CENTERLINE | | |
| EX | EXISTING | | |
| OG | ORIGINAL GROUND | | |
| ●SDMH | PROPOSED STORM DRAIN MAINTENANCE HOLE | | |
| ●SSMH | PROPOSED SANITARY SEWER MAINTENANCE HOLE | | |
| HP | HIGH POINT | | |
| LP | LOW POINT | | |
| FG | FINISHED GRADE | | |



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IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION
GRADING PLAN - DEPOT MASTER DR., ZILLI DR.,
JACK GODWIN WAY

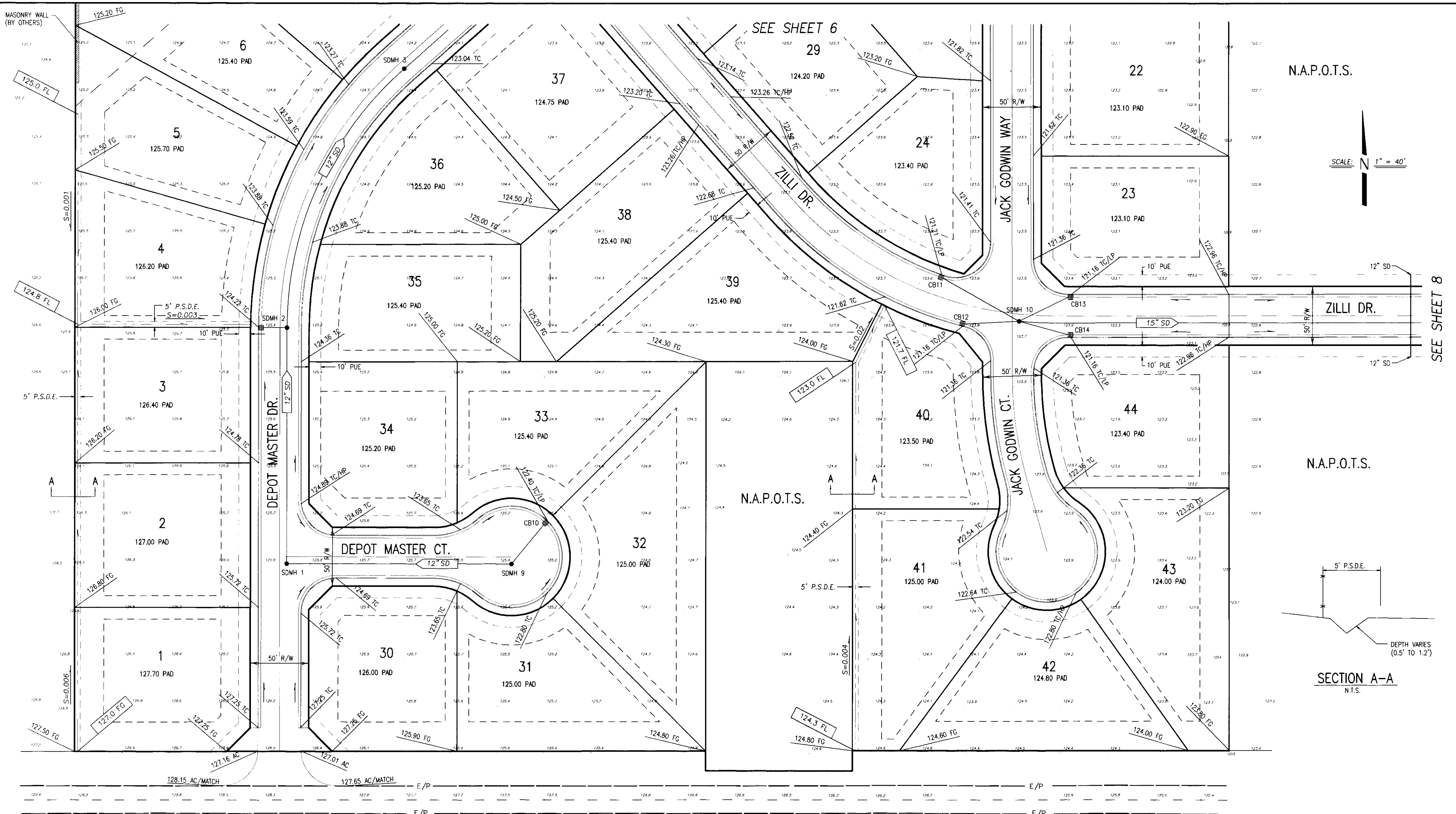
OCTOBER, 2003
TRACY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 40'	BENCH MARK: BB-42 EL: 138.58	SHEET
	DRAWN BY: EK				6
	DESIGNED BY: JM				OF 27 SHEETS
	CHECKED BY:				JOB NO. 0005
	AS BUILT BY:				DATE PLOTTED: 10/20/03

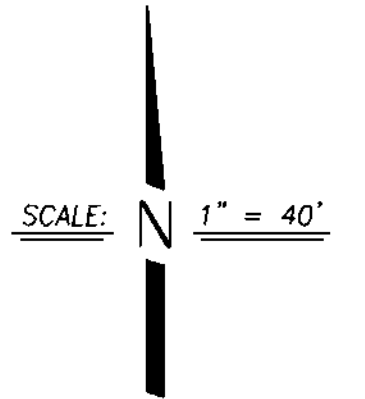
SEE SHEET 5

SEE SHEET 7

SEE SHEET 9

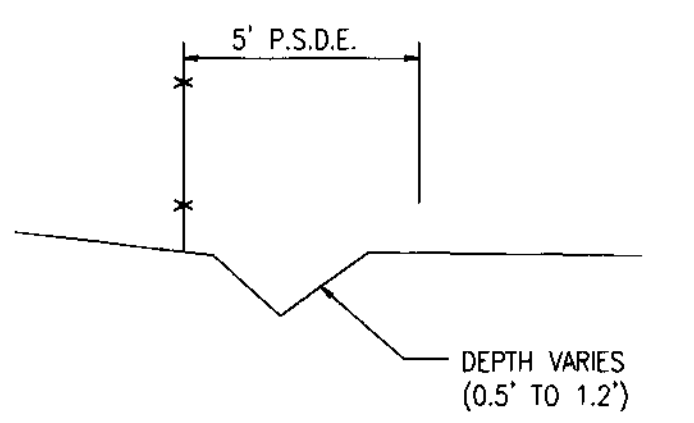


N.A.P.O.T.S.



SEE SHEET 8

N.A.P.O.T.S.



SECTION A-A
N.T.S.

LEGEND

- | | | | |
|----------|--|--------|------------------------|
| AC. | ASPHALT CONCRETE | GB | GRADE BREAK |
| TC. | TOP OF CURB | (TYP.) | TYPICAL |
| W | WATER | SS | SANITARY SEWER |
| SD | STORM DRAIN | INV | INVERT |
| E/P | EDGE OF PAVEMENT | | 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 |
| ●SDMH | PROPOSED STORM DRAIN MAINTENANCE HOLE | | |
| ●SSMH | PROPOSED SANITARY SEWER MAINTENANCE HOLE | | |
| HP | HIGH POINT | | |
| LP | LOW POINT | | |
| FG | FINISHED GRADE | | |
| P.S.D.E. | PRIVATE STORM DRAIN EASEMENT | | |

LINNE ROAD

DILLON & MURPHY
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1820 W. KETTERMAN LANE, SUITE E. LODI, CALIFORNIA 95242 (209) 334-6613

IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION

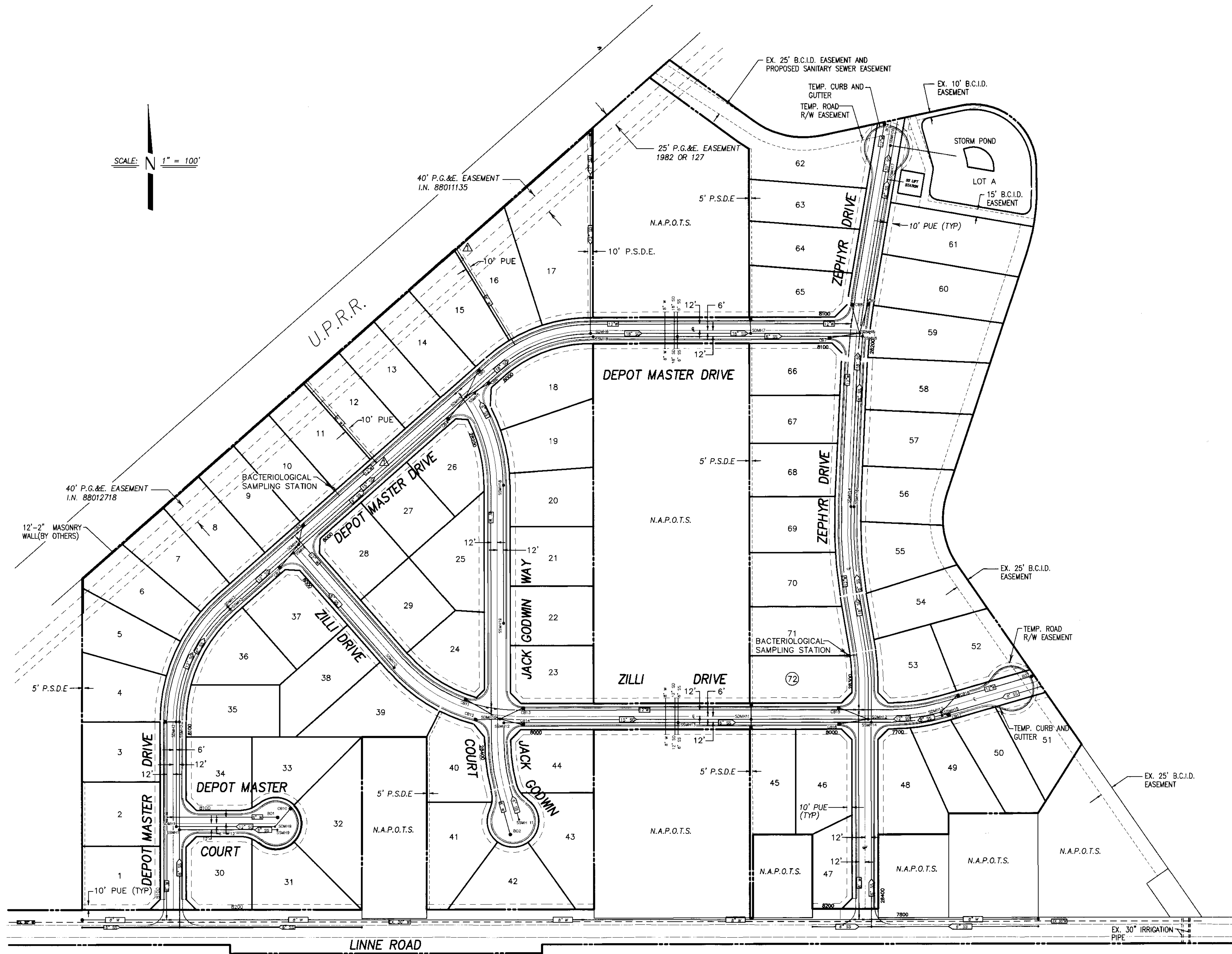
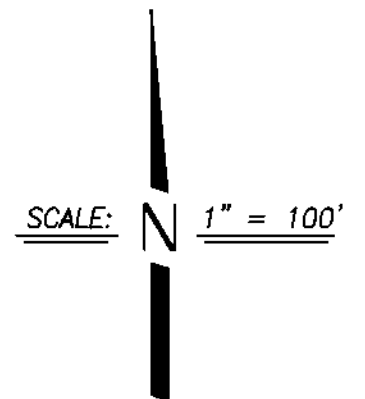
GRADING PLAN - DEPOT MASTER DR., DEPOT MASTER CT.,
JACK GODWIN CT., JACK GODWIN WAY, ZILLI DR.

OCTOBER, 2003
TRACY, CALIFORNIA



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

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 40'	BENCH MARK: 88-42 EL: 138.58	SHEET
	DRAWN BY: EK				5
	DESIGNED BY: JM				OF 27 SHEETS
	CHECKED BY:				JOB NO. 0005
	AS BUILT BY:				



RECORD DRAWING
 Corrections By BB
 No Changes By _____
 Date 11/16/05
 Any Person Using This Drawing Should Verify
 All Information By Inspecting The Site Of Work.

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**IMPROVEMENT PLANS FOR TRACT NO. 2949
 CARBONA STATION**

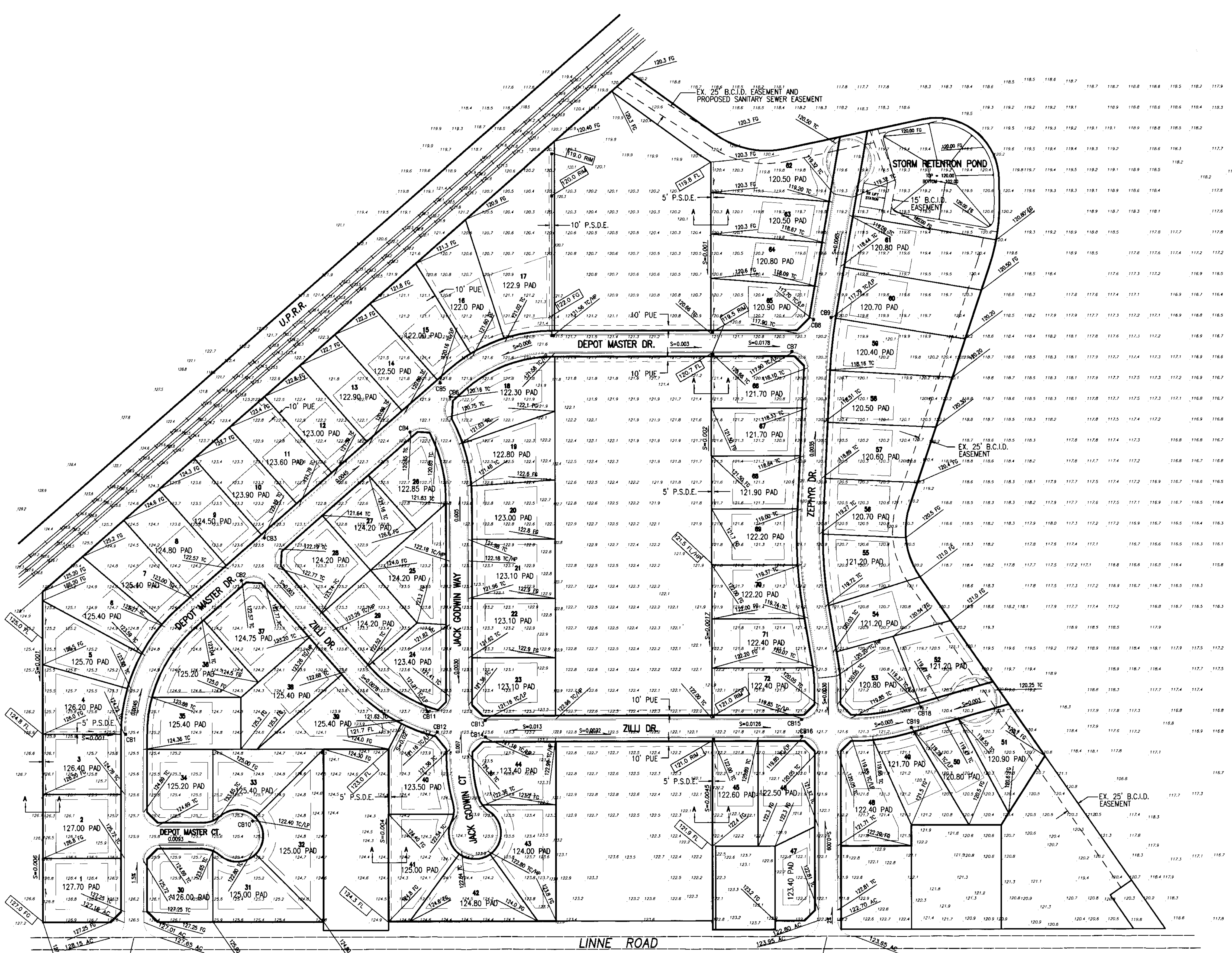
OVERALL UTILITY PLAN

BEFORE YOU DIG
 CALL USA UNDERGROUND SERVICE ALERT
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 TOLL FREE 1-800-227-2600

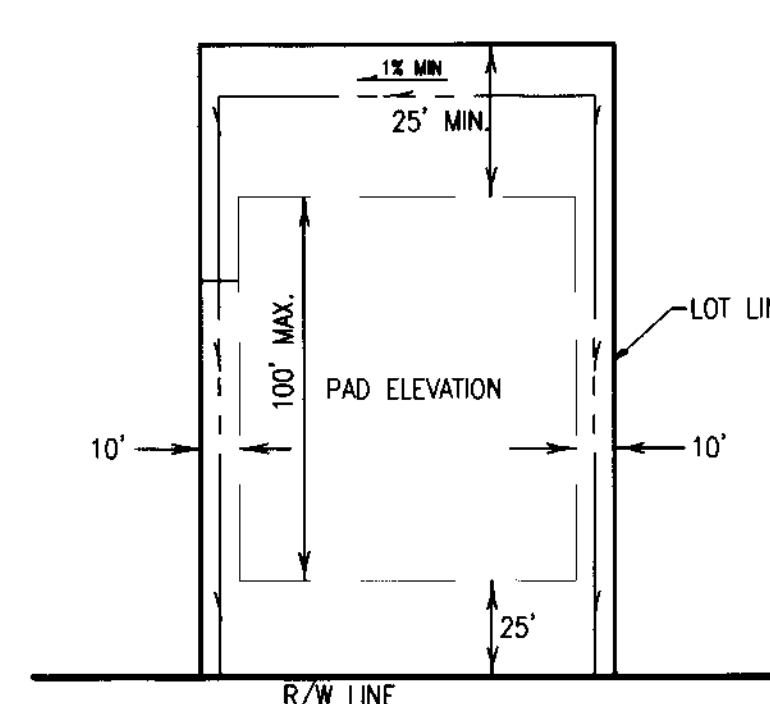
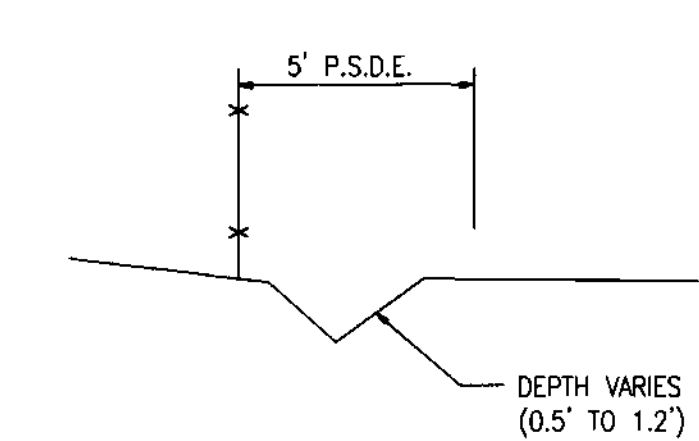
KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND
 PEOPLE 10 FEET FROM POWER LINES. IF YOU
 MUST WORK WITHIN 10 FEET OF POWER LINES
 PLEASE CALL PG&E @ 800-743-5000

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 100'	BENCH MARK: BB-42 EL: 138.58	SHEET
1	GATE VALVES	1/5/05	DRAWN BY: SM/BH/MT/LM	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	4A OF 27 SHEETS
			DESIGNED BY: JM		JOB NO. 0005
			CHECKED BY: CD		
			AS BUILT BY:		

SM 5/15/05



SCALE: 1" = 100'



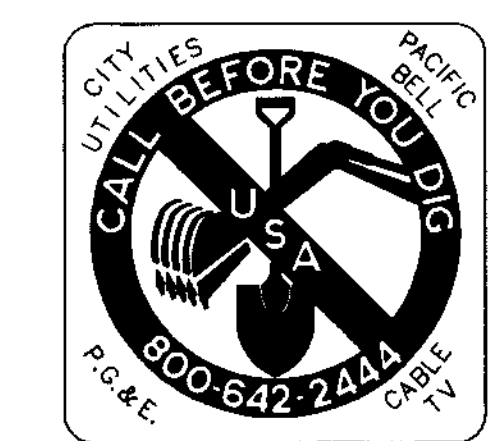
- NOTE:
1. ALL GRADING SHALL COMPLY WITH 1997 UBC CHAPTER 18 AND APPENDIX CHAPTER 33.
 2. NO SLOPE SHALL BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
 3. REFER TO GEOTECHNICAL INVESTIGATION REPORT BY KLEINFELDER DATED SEPT. 22, 2003 TO DETERMINE LOT GRADING, SITE PREPARATION AND FOUNDATION RECOMMENDATION.

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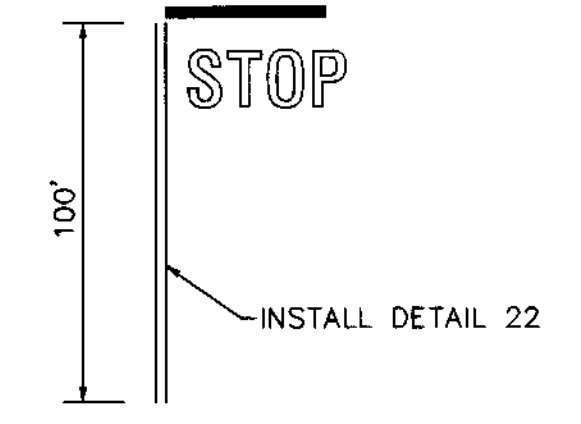
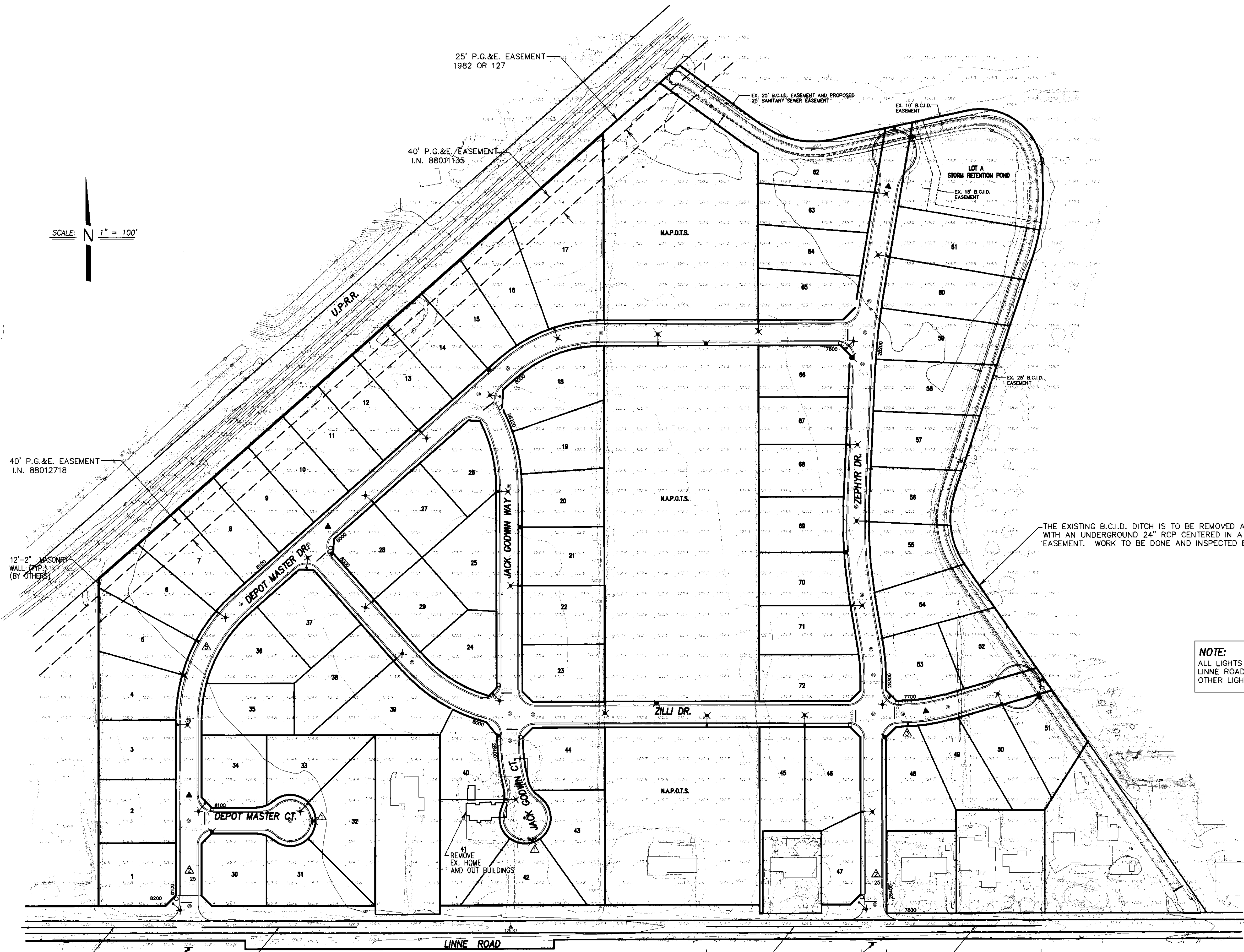
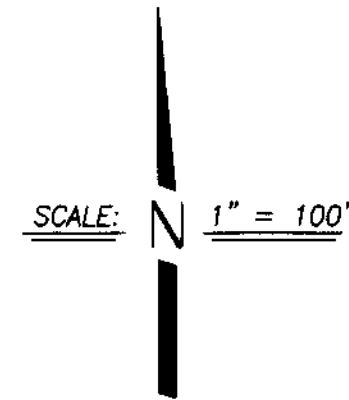
CARBONA STATION
OVERALL GRADING PLAN

OCTOBER, 2003
 TRACY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 100'	BENCH MARK: BB-42 EL: 138.58	SHEET
	DRAWN BY: EK				4
	DESIGNED BY: JM				OF 27 SHEETS
	CHECKED BY:				JOB NO. 0005
	AS BUILT BY:				



5U 3730



INTERSECTION DETAIL
NOT TO SCALE

RECORD DRAWING

Corrections By BC
No Changes By _____
Date 12/6/05
Any Person Using This Drawing Should Verify
All Information By Inspecting The Site Of Work

LEGEND

- X PROPOSED STREET LIGHT (SEE NOTE BELOW)
- PROPOSED FIRE HYDRANT
- INSTALL STREET NAME SIGN AND/OR STOP SIGN PER S.J. CO. STD. PLAN R25. BLOCK NUMBERS SHALL BE OBTAINED FROM SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT DEPARTMENT.
- ▽ INSTALL TYPE "B" BARRICADE PER S.J. CO. STD. R-24 SIGN SHALL BE INSTALLED 4.5 FEET BEHIND BACK OF CURB.
- INSTALL STREET MONUMENT FRAME AND COVER PER CW-M1.
- ▲ R-VALUE TEST LOCATION

NOTE:
ALL LIGHTS INSTALLED SHALL BE LS-2 CLASS "C". THE LIGHTS INSTALLED AT THE INTERSECTION OF LINNE ROAD AND ZEPHYR DR. AND LINNE RD. AND DEPOT MASTER DR. SHALL BE 150 WATTS. ALL OTHER LIGHTS INSTALLED SHALL BE 100 WATTS.



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**IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION**

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

OCTOBER, 2003
SAN JOAQUIN COUNTY

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
▲	REMOVE BARRICADE	1/5/05	DRAWN BY: EK	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114" NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	3
▲	25 MPH MARKING	1/5/05	DESIGNED BY: JM		OF 27 SHEET
▲	W53 SIGN	1/5/05	CHECKED BY: CD		JOB NO. 0005
▲	DETAIL 34 MARKING	1/5/05	AS BUILT BY:		
▲	FH LOCATION	1/5/05			

DW 3/1/07

GENERAL NOTES AND SPECIFICATIONS

1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE LATEST EDITIONS OF THE SPECIFICATIONS, STANDARDS AND ORDINANCES OF SAN JOAQUIN COUNTY 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 PRECEDENT 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. SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS 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. SAN JOAQUIN COUNTY BRASS DISC STAMPED "BB-42" ON SOUTHWEST CORNER CONCRETE CULVERT 114 FEET NORTH OF LINNE ROAD ON THE WEST SIDE OF MAC ARTHUR ROAD. ELEVATION = 138.584
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.
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 SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS.
13. GRADES SHOWN ON THE PLAN ARE INTENDED TO REFLECT A BALANCE OF EARTHWORK CUT AND FILL QUANTITIES. CONTRACTOR IS RESPONSIBLE FOR PERFORMING AN INDEPENDENT BALANCE PRIOR TO BEGINNING CONSTRUCTION. ANY DISCREPANCY BETWEEN THE CONTRACTOR'S BALANCE AND THESE PLANS SHALL BE RESOLVED PRIOR TO COMMENCEMENT OF WORK. FAILURE BY THE CONTRACTOR TO RECTIFY ANY DIFFERENCES SHALL SHIFT THE RESPONSIBILITY (AND COSTS FOR ADDITIONAL EARTHWORK) ENTIRELY TO HIM.
14. ANY FILL PLACE 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, AND SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS ADOPTED IMPROVEMENT STANDARDS, AND UNIFORM BUILDING CODE. PIPE MATERIAL SHALL BE THAT ALLOWED BY THE PLUMBING CODE AND SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS IMPROVEMENT STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE TYPE AND SPECIFICATIONS OF ALL MATERIAL, FITTINGS, ETC. CONFORM TO SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS.

CONTRACTOR SHALL BE RESPONSIBLE FOR PRESSURE AND BACTERIA TESTING OF WATER LINES AS REQUIRED BY SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS. BACTERIA TESTS SHALL BE TAKEN BY A CERTIFIED LABORATORY TECHNICIAN.

REFER TO SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS FOR ALL WATER LINE TESTING REQUIREMENTS.
20. THE STORM DRAIN PIPELINE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS, AND SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS ADOPTED IMPROVEMENT STANDARDS. PIPE MATERIAL SHALL BE THAT ALLOWED BY THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS IMPROVEMENT STANDARDS 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 SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS 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 48 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 SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS 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 MITIGATED BY DILLON & MURPHY.
26. SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS WILL PERFORM FIELD INSPECTIONS FOR THIS PROJECT. ANY IMPROVEMENTS CONSTRUCTED TO THE SPECIFICATIONS AND WHICH IT IS INTENDED THAT SAN JOAQUIN COUNTY WILL ASSUME MAINTENANCE RESPONSIBILITY, MUST BE INSPECTED DURING CONSTRUCTION BY AN AUTHORIZED AGENT OF SAN JOAQUIN COUNTY.
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 SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS FOR APPROVAL PRIOR TO IMPLEMENTATION.
28. THIS SITE CONTAINS 46.69 ACRES GROSS.
29. ALL TRAFFIC SIGNS AND MARKINGS SHALL CONFORM TO SAN JOAQUIN COUNTY STANDARDS AND TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TO THE CALTRANS TRAFFIC MANUAL AND 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 SAN JOAQUIN, ITS ELECTED OFFICIALS, OFFICERS, EMPLOYEES 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 CHAPTERS 29 AND 70 OF THE UNIFORM BUILDING CODE, DATED 1994.
34. THE TOTAL EARTHWORK QUANTITY IS: APPROX. VOLUME OF FILL = 39,000 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, SAN JOAQUIN COUNTY STANDARD PLANS AND SPECIFICATIONS AND PROJECT SPECIFICATIONS. SAN JOAQUIN COUNTY 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. PG&E WILL MAINTAIN ALL STREET LIGHTS AND STANDARDS UPON ACCEPTANCE OF PROJECT AS COMPLETE.
39. CONTRACTOR SHALL OBTAIN A GRADING PERMIT 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 COUNTY 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.
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 SAN JOAQUIN COUNTY COMMUNITY DEVELOPMENT 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 THAT DISTURBS MORE THAN FIVE ACRES WILL REQUIRE A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT.



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IMPROVEMENT PLANS FOR TRACT NO. 2949
CARBONA STATION

GENERAL NOTES AND SPECIFICATIONS

OCTOBER, 2003
TRACY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE:	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: SM/EK	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	2
			DESIGNED BY: JM		OF 27 SHEETS
			CHECKED BY: CD		JOB NO. 0005
			AS BUILT BY:		

ABBREVIATIONS

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

IMPROVEMENT PLANS FOR TRACT NO. 2949 CARBONA STATION

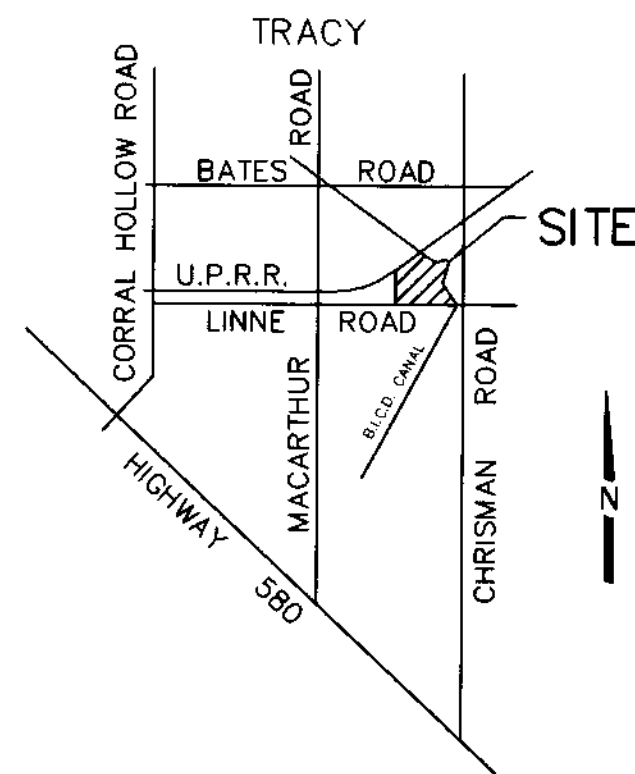
BEING A PORTION OF
SECTION 3, T.3S., R.5E.,
M.D.B.&M.,
SAN JOAQUIN COUNTY, CALIFORNIA
OCTOBER, 2003
REFER TO MAJOR SUBDIVISION APPLICATION NO PA-02-409

SHEET INDEX

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	GENERAL NOTES AND SPECIFICATIONS
3	TOPOGRAPHIC, STREET LIGHT, STREET SIGN, STRIPING, MONUMENT AND FIRE HYDRANT LOCATION MAP
4	OVERALL GRADING PLAN
4A	STORM DRAIN, SANITARY SEWER AND WATER OVERALL PLAN
5	GRADING PLAN: DEPOT MASTER DR., DEPOT MASTER CT., JACK GODWIN CT., ZILLI DR.
6	GRADING PLAN: DEPOT MASTER DR., JACK GODWIN WAY., ZILLI DR.
7	GRADING PLAN: DEPOT MASTER DR.
8	GRADING PLAN: ZILLI DR., ZEPHYR DR.
9	GRADING PLAN: DEPOT MASTER DR., ZEPHYR DR.
10	GRADING PLAN: DEPOT MASTER DR., ZEPHYR DR.
11	DEPOT MASTER DR. STA. 0+00 TO STA. 5+50
12	DEPOT MASTER DR. STA. 5+50 TO STA. 13+40
13	DEPOT MASTER DR. STA. 13+40 TO STA. 20+75.39
14	DEPOT MASTER CT. STA. 90+00 TO STA. 92+47.50
15	ZILLI DR. STA. 65+00 TO STA. 71+00
16	ZILLI DR. STA. 71+00 TO STA. 80+71.24
17	JACK GODWIN WAY & CT. STA. 50+00 TO STA. 58+38.68
18	ZEPHYR DR. STA. 31+00 TO STA. 41+00
19	ZEPHYR DR. STA. 41+00 TO STA. 46+60
20A	SAN JOAQUIN COUNTY STANDARD PLANS & TYPICAL STREET SECTION
20B	SAN JOAQUIN COUNTY STANDARD PLANS
21	SAN JOAQUIN COUNTY STANDARD PLANS
22	STORM RETENTION BASIN
23	LINNE ROAD STA. 98+00 TO STA. 109+65
24	LINNE ROAD STA. 109+65 TO STA. 116+65
25	SANITARY SEWER LIFT STATION SITE PLAN
26	SANITARY SEWER LIFT STATION DETAILS
26A	OVERALL SANITARY SEWER - LIFTSTATION TO WWTP
26B	SANITARY SEWER FORCE MAIN STA. 10+00 TO STA. 17+57.27
26C	SANITARY SEWER FORCE MAIN STA. 17+57.27 TO STA. 27+00
26D	SANITARY SEWER TO WWTP STA. 27+00 TO STA. 34+76.85
27	STORM DRAIN CROSSING AND WATER LINE CROSSING DETAIL SHEET

LEGEND

	EXISTING FIRE HYDRANT		PROPOSED FIRE HYDRANT
	EXISTING ELECTROLLER		PROPOSED ELECTROLLER 100 W. HPS
	EXISTING POWER POLE		PROPOSED POWER POLE
	EXISTING STORM DRAIN		PROPOSED STORM DRAIN - A.D.S. & CLASS III R.C.P.
	EXISTING SANITARY SEWER		PROPOSED SANITARY SEWER - P.V.C. S.D.R. 35
	EXISTING WATER		PROPOSED WATER - CLASS 150 C 900 AND CLASS 200 C 900
	EXISTING GRADE		DESIGN GRADE
	EXISTING WATER VALVE		PROPOSED WATER VALVE
	EXISTING CONTOUR LINE		



VICINITY MAP
NOT TO SCALE

UTILITY/DISTRICTS

TELEPHONE: SBC TELEPHONE COMPANY
 NATURAL GAS & ELECTRICITY: PACIFIC GAS & ELECTRIC COMPANY
 SANITARY DISTRICT: CSA 44 ZONE "G"
 DOMESTIC WATER: CSA 44 ZONE "G"
 STORM DRAINAGE: CSA 44 ZONE "G"
 STREET LIGHTING: CSA 44 ZONE "G"

OWNERS/DEVELOPERS

RYLAND HOMES OF CALIFORNIA, A DELAWARE CORPORATION
 12647 ALCOSTA BLVD., SUITE 190
 SAN RAMON, CA. 94583

THIS SIGNIFIES THE OWNER/DEVELOPER HAS REVIEWED THE FINAL COUNTY APPROVED IMPROVEMENT PLANS AND SPECIFICATIONS FOR CARBONA STATION, TRACT NO. 2949, AND ACKNOWLEDGE THE INFORMATION AND DATA SHOWN CONFORMS TO THAT WHICH THEY PROPOSED.

[Signature] 3-09-04
 RYLAND HOMES OF CALIFORNIA DATE

LINNE ESTATES, LLC
 7701 BATES ROAD
 TRACY, CA 95304

THIS SIGNIFIES THE OWNER/DEVELOPER HAS REVIEWED THE FINAL COUNTY APPROVED IMPROVEMENT PLANS AND SPECIFICATIONS FOR CARBONA STATION, TRACT NO. 2949, AND ACKNOWLEDGE THE INFORMATION AND DATA SHOWN CONFORMS TO THAT WHICH THEY PROPOSED.

[Signature] 3-3-04
 LINNE ESTATES, LLC DATE
[Signature] 3-3-04
 LINNE ESTATES, LLC DATE

BANTA CARBONA IRRIGATION DISTRICT
 APPROVED: *[Signature]* 3-23-04
 DATE

SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES
 APPROVED: ENVIRONMENTAL HEALTH SERVICES
 BY: *[Signature]* DATE: 3-15-04

APPROVED: SAN JOAQUIN BUREAU OF FIRE PROTECTION
 BY: *[Signature]* DATE: 3-9-04

COUNTY OF SAN JOAQUIN
 DEPARTMENT OF PUBLIC WORKS
 APPROVED: *[Signature]* 4/1/04
 SENIOR CIVIL ENGINEER DATE
 RCE NO. C-20772 EXP. DATE: 3/21/06

[Signature] 4/4/04
 DIRECTOR OF PUBLIC WORKS COUNTY OF SAN JOAQUIN DATE

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
**IMPROVEMENT PLANS FOR TRACT NO. 2949
 CARBONA STATION**
TITLE SHEET

REV. NO.	DESCRIPTION	DATE	SCALE:	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: SM/EK		1
			DESIGNED BY: JM	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD, ON THE WEST SIDE OF MAC ARTHUR DRIVE.	OF 27 SHEETS
			CHECKED BY: CD		JOB NO. 0005
			AS BUILT BY:		

OCTOBER, 2003
 SAN JOAQUIN COUNTY