

No.	Revised	By	Approved
1	Feb. 1998	PD	
2	Nov. 2005	DMS	
Drawn by: JLD			
Checked by: NONE			
Date: JUNE 1997			
Drawing No. R-24			

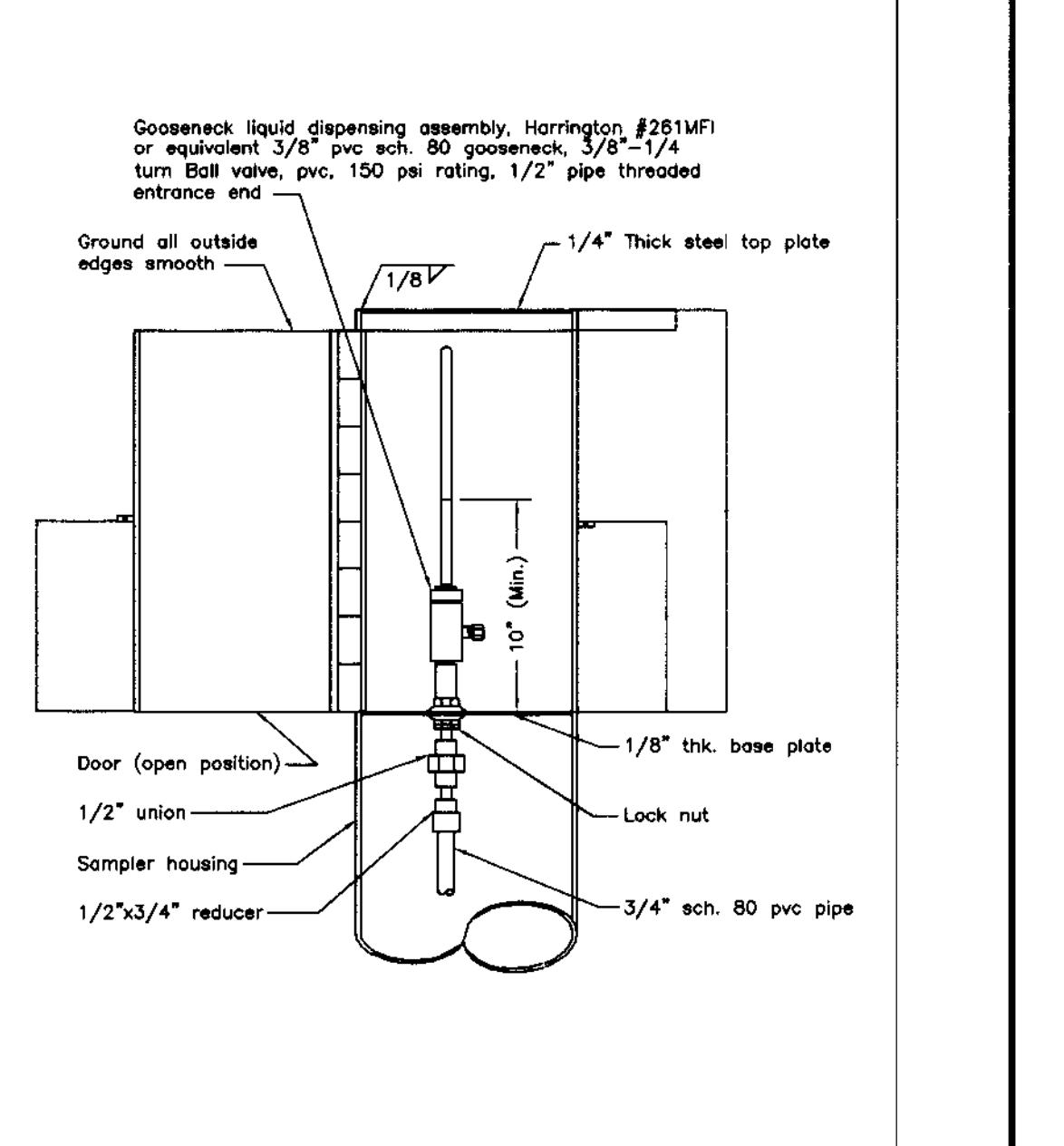
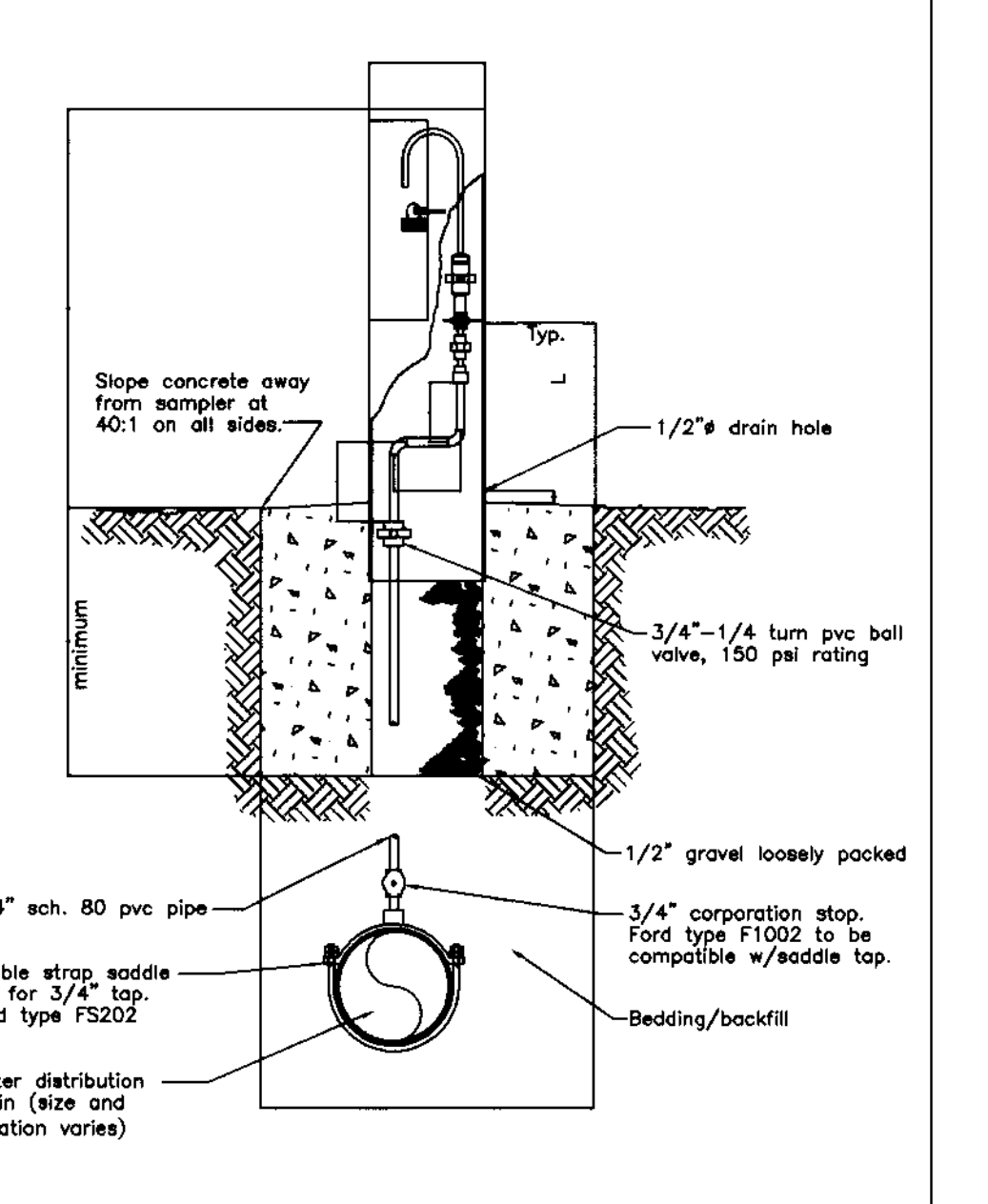
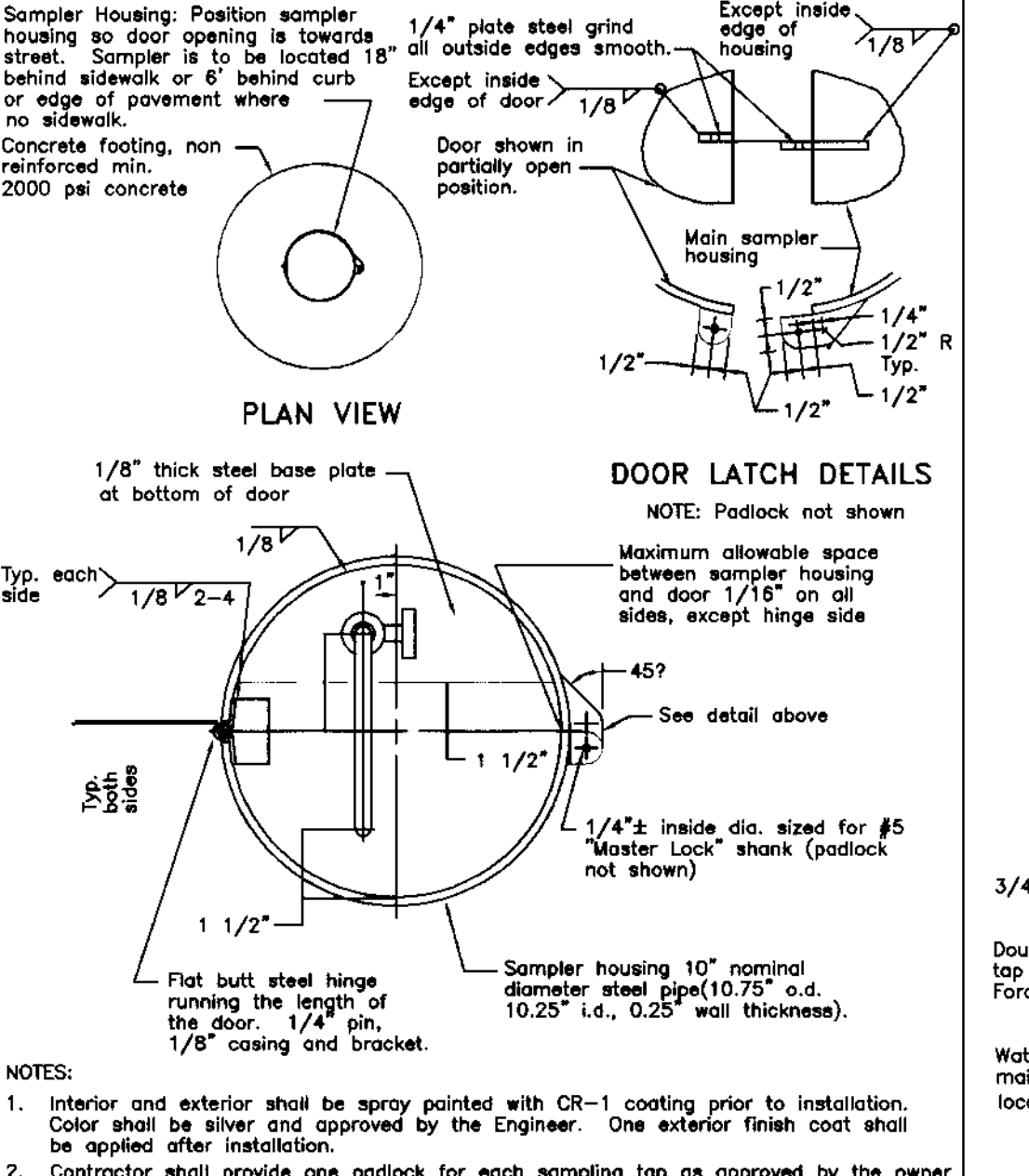
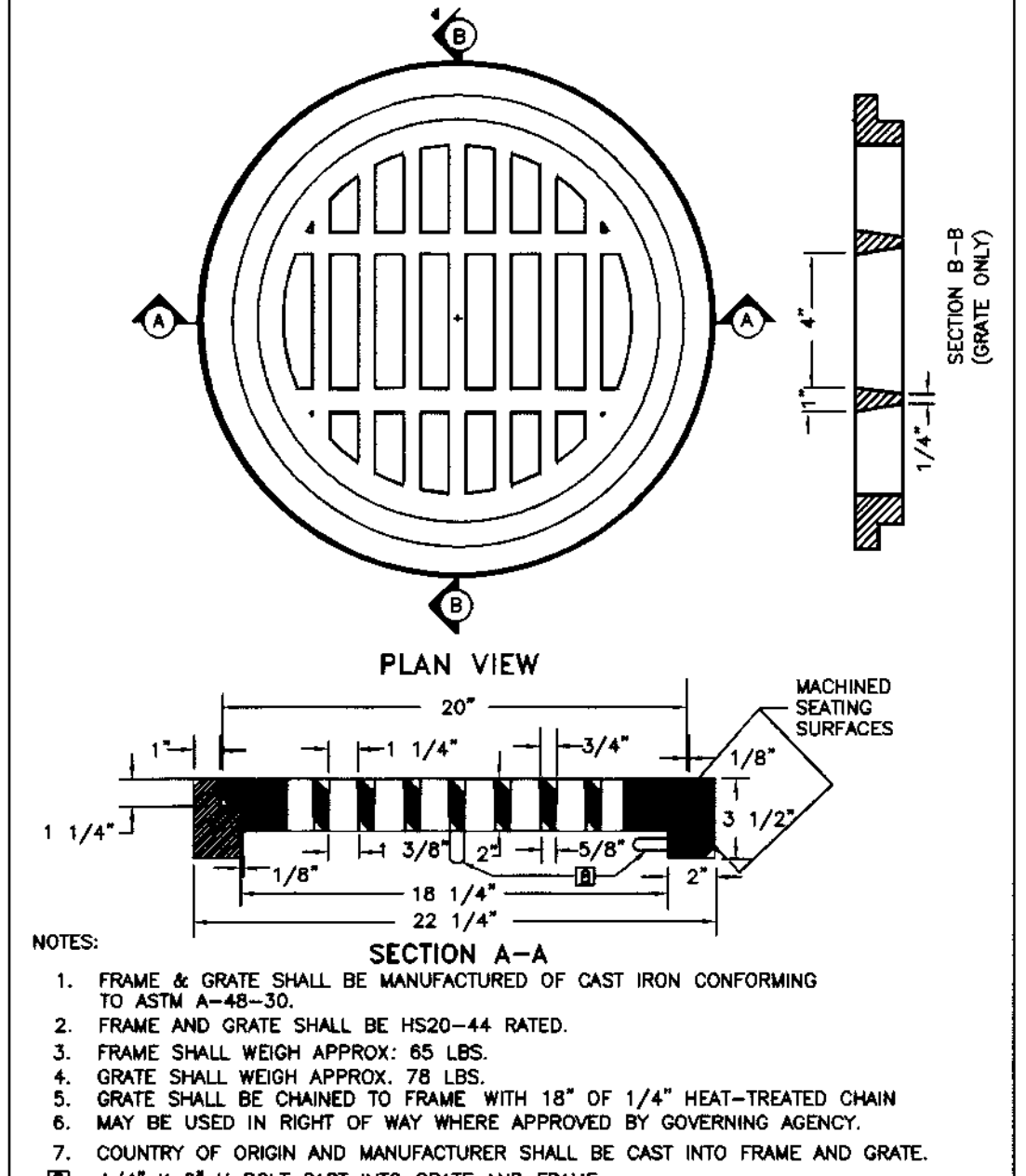
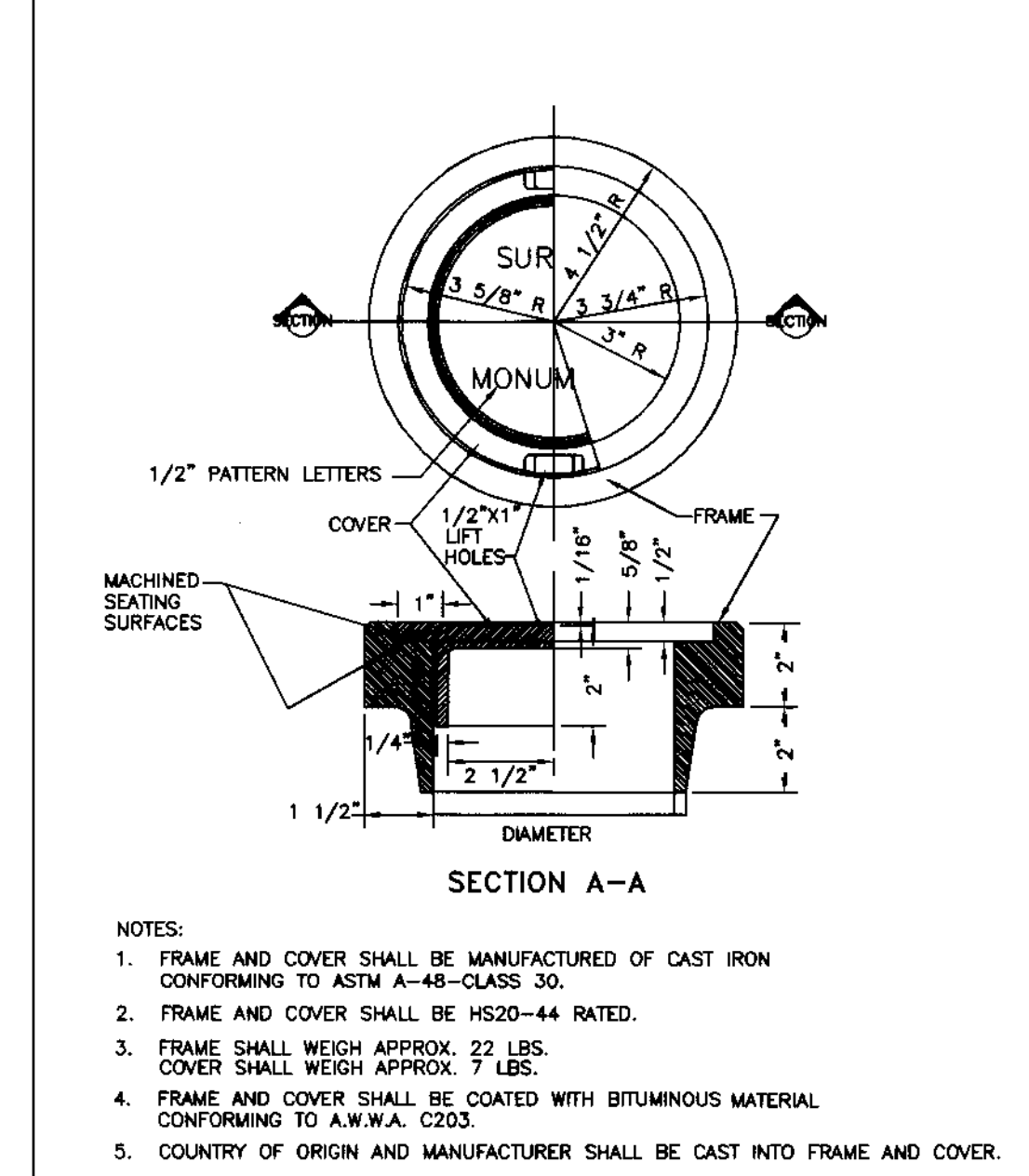
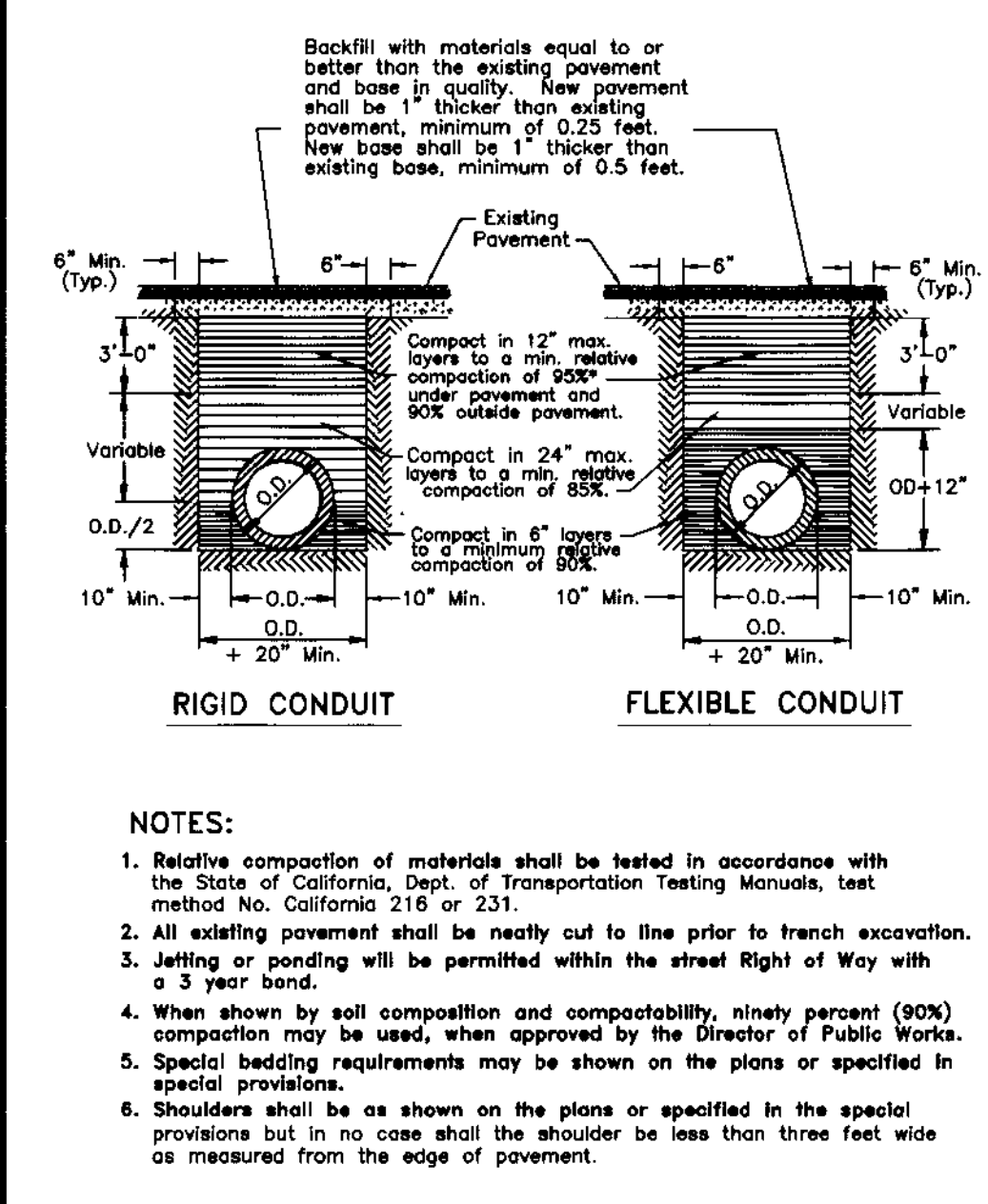
No.	Revised	By	Approved
1	April 1987	JL	
2	November 2005	DMS	
Drawn by: JLD			
Checked by: NONE			
Date: JUNE 1997			
Drawing No. R-25			

No.	Revised	By	Approved
1	January 2000	DM	
Drawn by: JLD			
Checked by: NONE			
Date: JUNE 1997			
Drawing No. R-26			

No.	Revised	By	Approved
1	JUNE 1987	JL	
Drawn by: JLD			
Checked by: NONE			
Date: JUNE 1997			
Drawing No. R-32			

No.	Revised	By	Approved
1	April 1988	PD	
Drawn by: JLD			
Checked by: NONE			
Date: SEPT. 1991			
Drawing No. D-13			

No.	Revised	By	Approved
1	April 1988	PD	
Drawn by: JLD			
Checked by: NONE			
Date: JUNE 1997			
Drawing No. D-22			



No.	Revised	By	Approved
1	Feb. 1998	PD	
Drawn by: JLD			
Checked by: NONE			
Date: JUNE 1997			
Drawing No. R-29			

REVISION	DATE	COUNTYWISE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED
		SURVEY MONUMENT FRAME & COVER	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE
		IMPROVEMENT STANDARD NO. CW-M1	

REVISION	DATE	COUNTYWISE IMPROVEMENT STANDARDS COUNTY OF SAN JOAQUIN	APPROVED
		18" STORM DRAIN INLET FRAME & GRATE	SAN JOAQUIN COUNTY DIRECTOR OF PUBLIC WORKS DATE
		IMPROVEMENT STANDARD NO. CW-M7	

No.	Revised	By	Approved
1	JUNE 1987	JL	
Drawn by: BCD			
Checked by: NONE			
Date: SEPT. 1991			
Drawing No. W-6a			

No.	Revised	By	Approved
1	April 1988	PD	
Drawn by: BCD			
Checked by: NONE			
Date: SEPT. 1991			
Drawing No. W-6b			

No.	Revised	By	Approved
1	April 1988	PD	
Drawn by: BCD			
Checked by: NONE			
Date: SEPT. 1991			
Drawing No. W-6c			

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. 3440 CARBONA STATION UNIT 3

SAN JOAQUIN COUNTY STANDARD PLANS

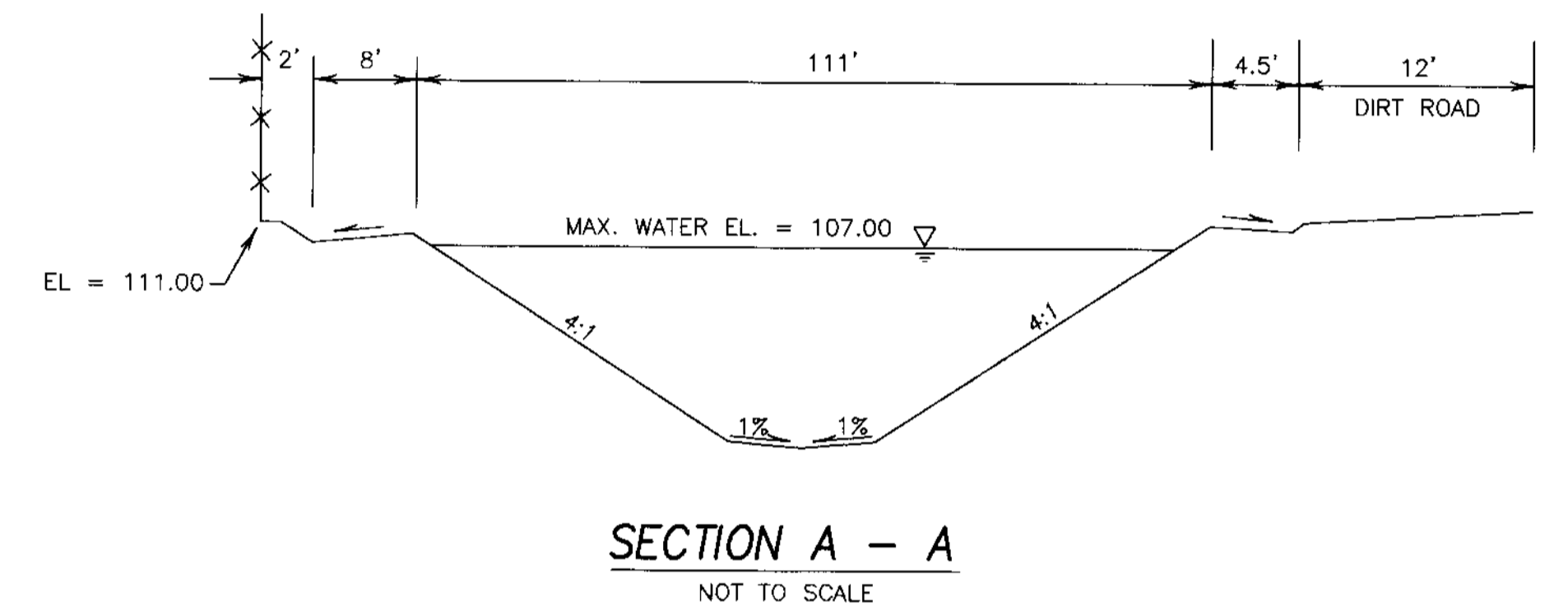
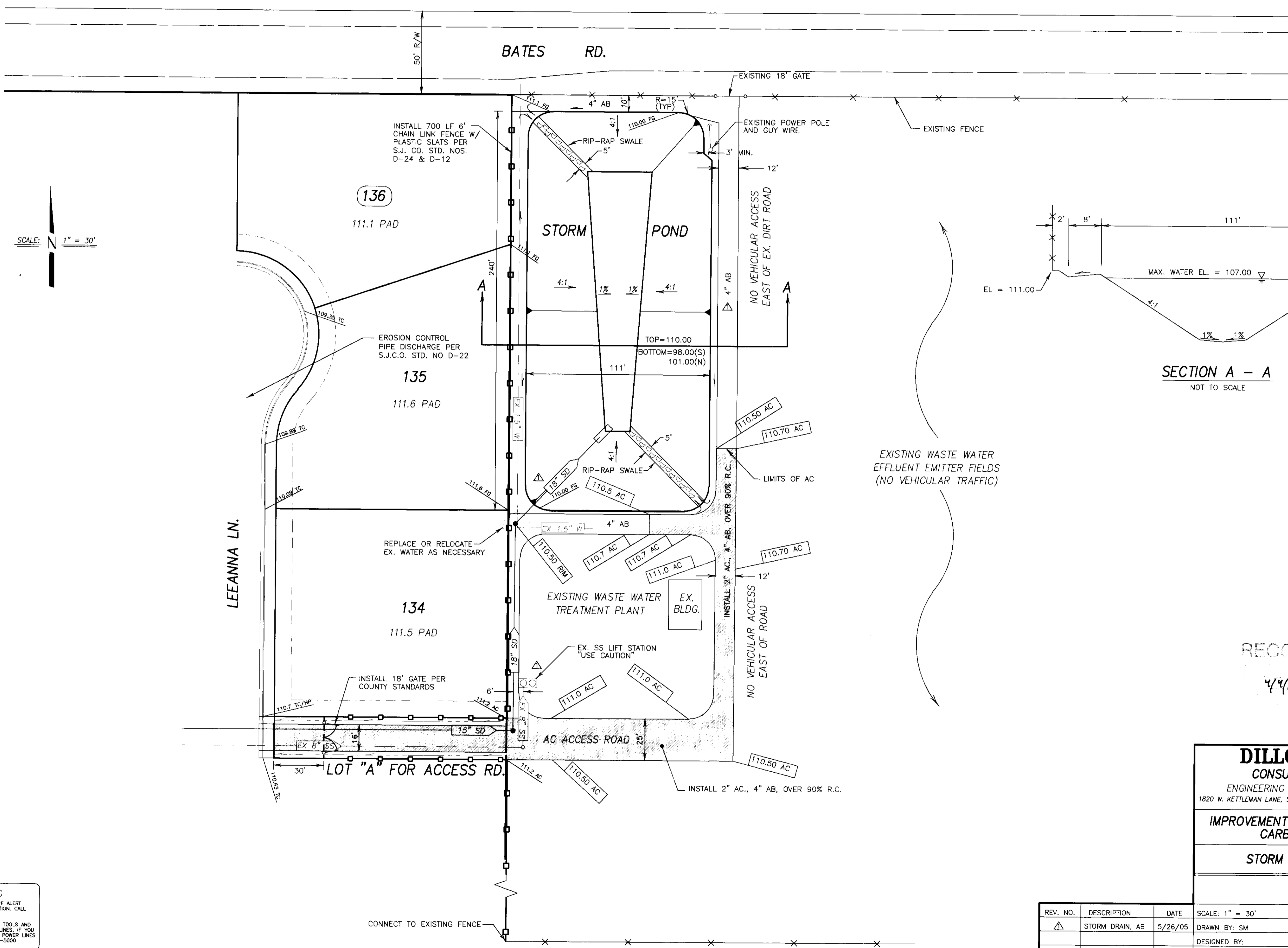
NOVEMBER, 2004
SAN JOAQUIN COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: N.T.S.	BENCH MARK: _____ EL: _____
			DRAWN BY: LM	DESCRIPTION: _____
			DESIGNED BY: _____	
			CHECKED BY: _____	
			AS BUILT BY: _____	

SHEET 15 OF 17 SHEETS
JOB NO. 0005

SU 3853

S:\2000\0005\PHASE III IMPROVEMENTS\SHEET 15.dwg May 04, 2005



RECORD DRAWING
4/4/06

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

IMPROVEMENT PLANS FOR TRACT NO. 3440
CARBONA STATION UNIT 3

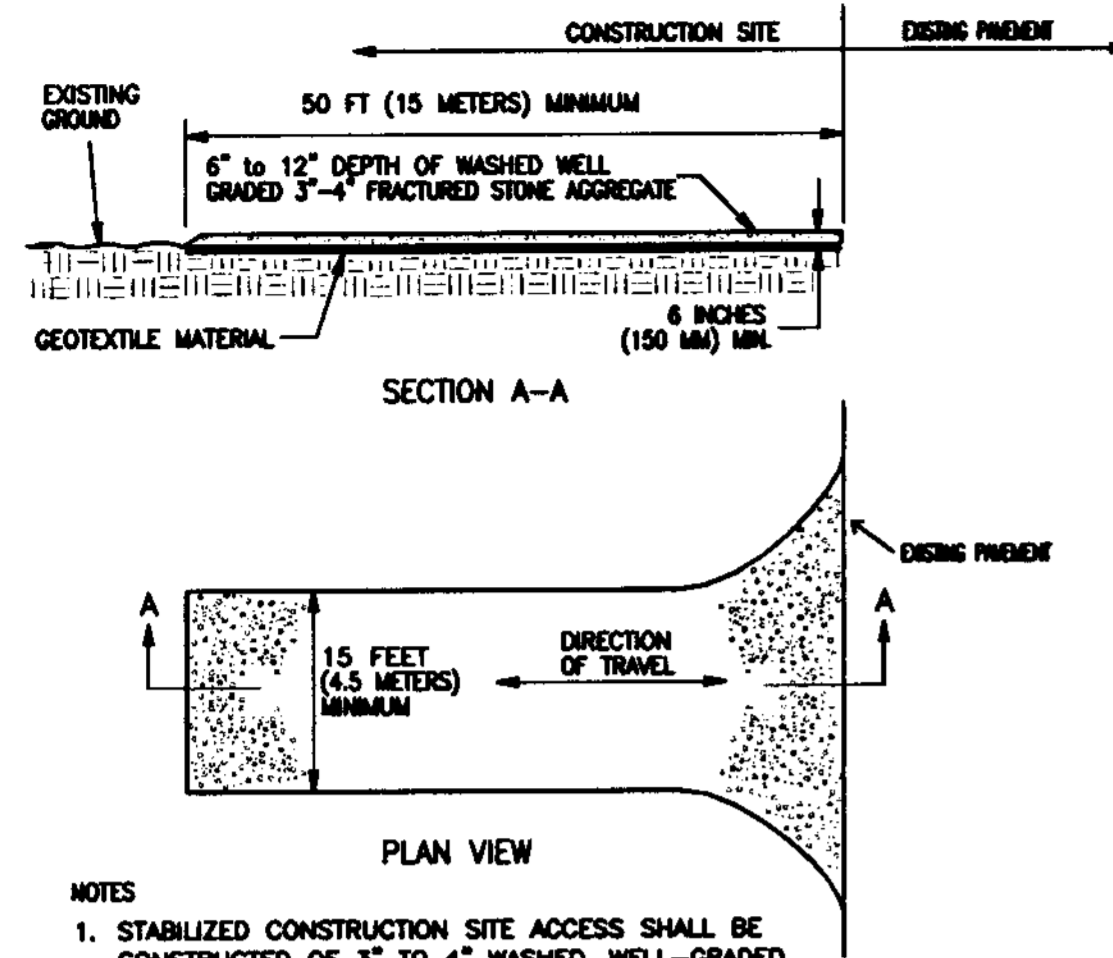
STORM RETENTION BASIN PLAN

NOVEMBER, 2004
SAN JOAQUIN COUNTY

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 30'	BENCH MARK: BB-42 EL: 138.58	SHEET
1	STORM DRAIN, AB	5/26/05	DRAWN BY: SM	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	14 OF 17 SHEETS
			DESIGNED BY:		JOB NO. 0005
			CHECKED BY:		
			AS BUILT BY:		

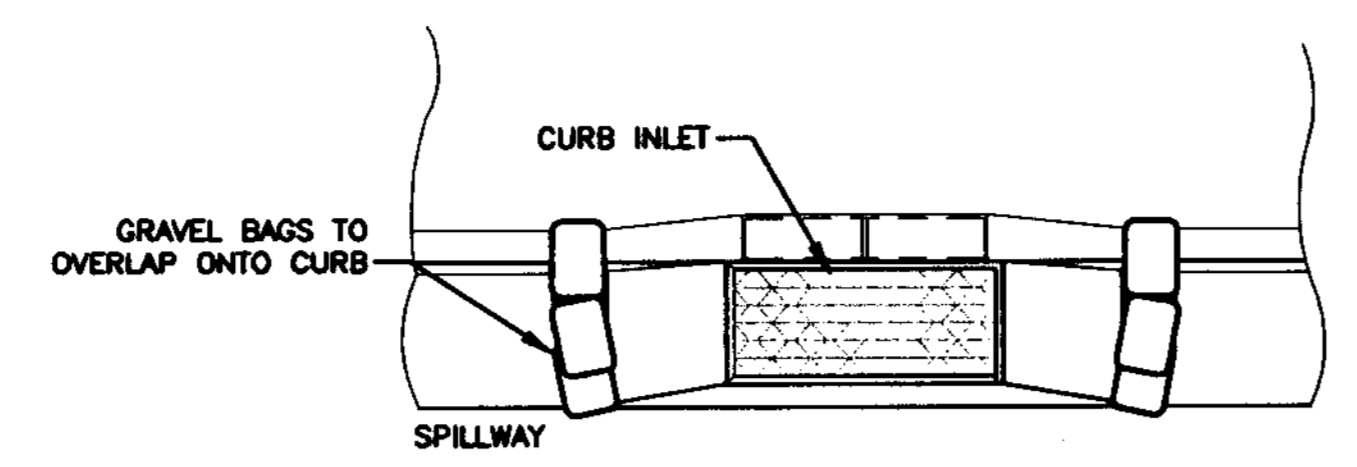
BEFORE YOU DIG
CALL USA UNDERGROUND SERVICE ALERT
48 HOURS PRIOR TO CONSTRUCTION. CALL TOLL FREE 1-800-227-2600.
KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND PEOPLE 10 FEET FROM POWER LINES. IF YOU MUST WORK WITHIN 10 FEET OF POWER LINES PLEASE CALL PG&E @ 800-743-5000

S:\2000\0000\PHASE III IMPROVEMENTS\SHEET 14.dwg Apr 04, 2005



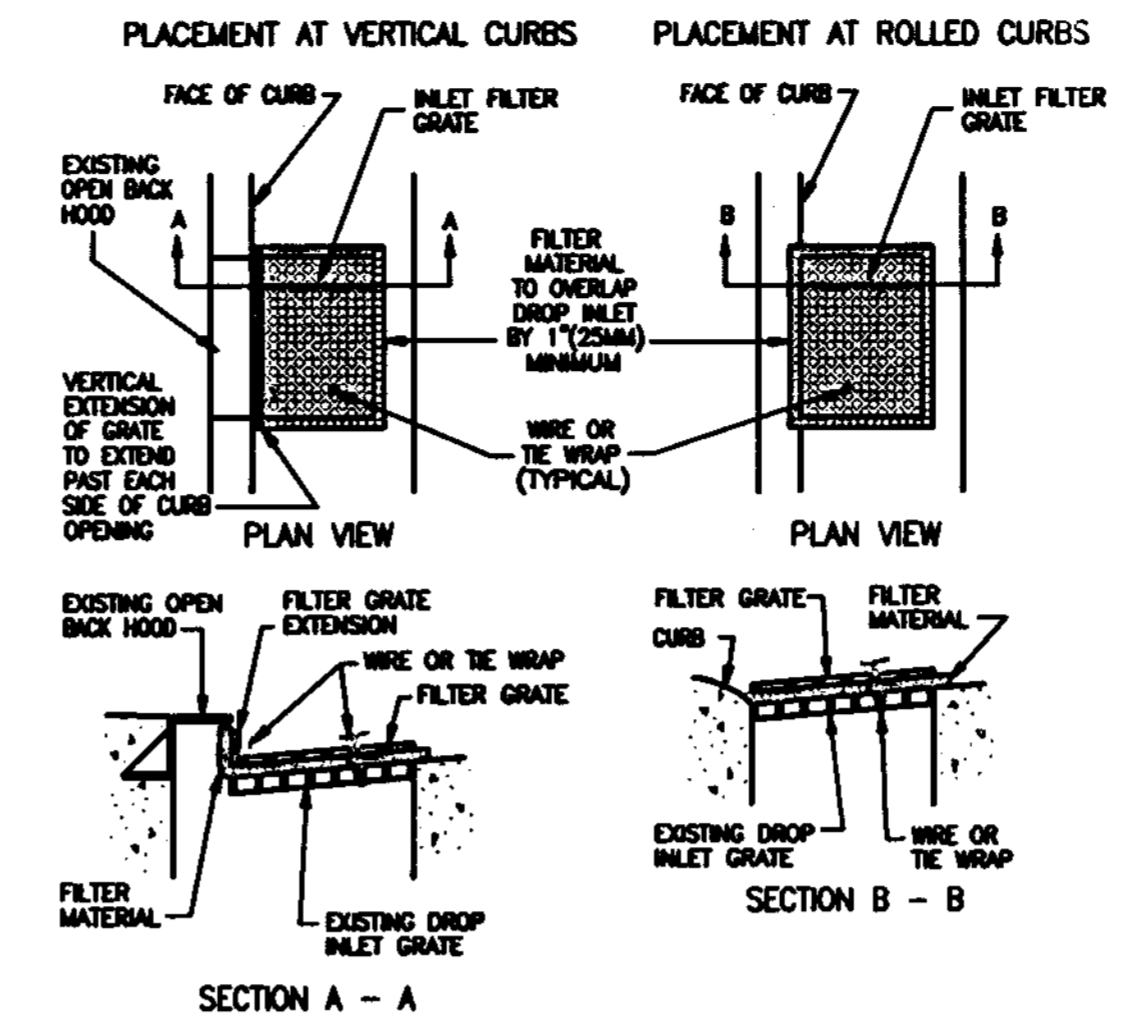
- NOTES**
1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3" TO 4" WASHED, WELL-GRADED FRACTURED STONE AGGREGATE. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 6 INCHES, SLOPED AWAY FROM THE ROADWAY.
 2. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET (15 METERS). WIDTH SHALL BE A MIN. OF 15 FT (4.5 METERS) OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADI.
 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 DURING PERIODS OF HEAVY USAGE, MONTHLY DURING NORMAL USAGE, AND AFTER EACH RAINFALL, WITH MAINTENANCE PROVIDED AS NECESSARY. PERIODIC TOP DRESSING SHALL BE DONE AS NEEDED.

④ CONSTRUCTION ENTRANCE



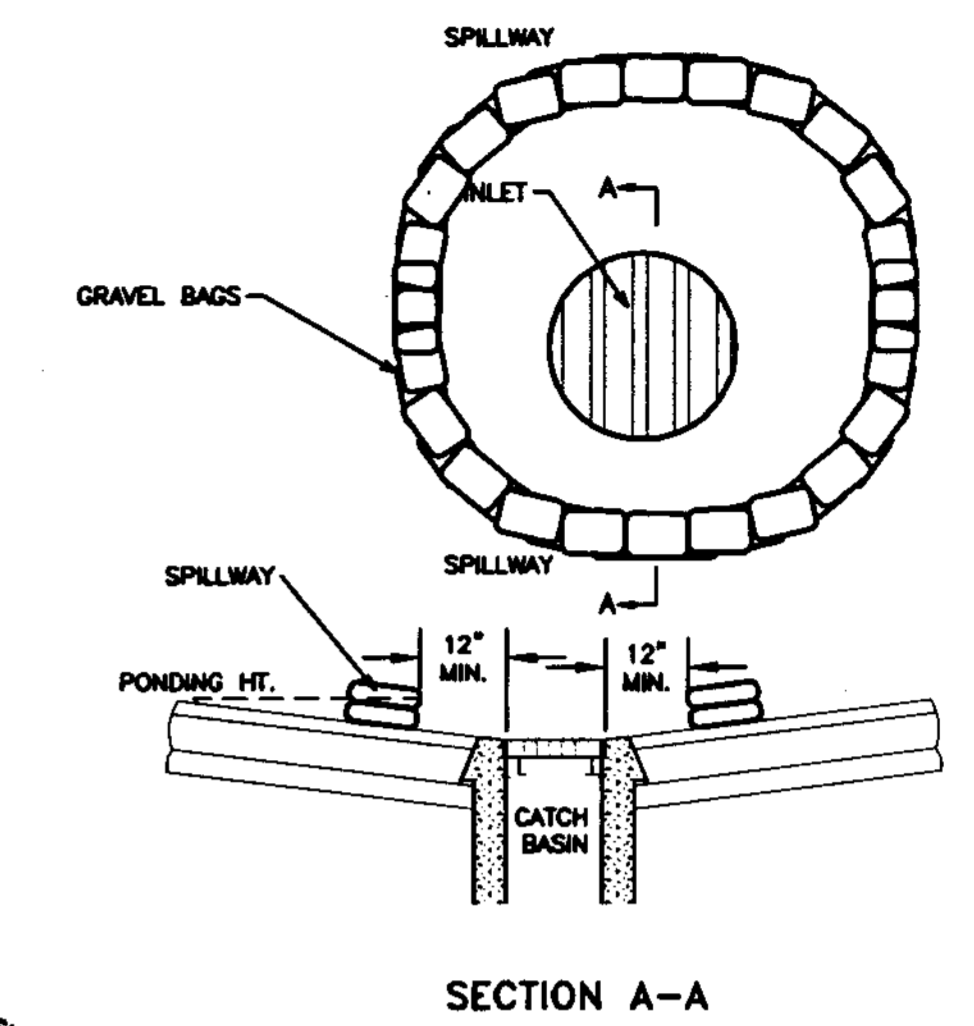
- NOTES**
1. GRAVEL BAGS SHALL BE WOVEN GEOTEXTILE FABRIC.
 2. CONSTRUCT ON GENTLY SLOPING STREET WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE OUT OF SUSPENSION.
 3. LEAVE A GAP OF ONE BAG IN THE MIDDLE OF THE TOP ROW OF BAGS TO SERVE AS SPILLWAY. SPILLWAY HEIGHT SHALL BE LOWER THAN CURB HEIGHT AND SUFFICIENT IN SIZE TO PASS FLOWS FROM SEVER STORM EVENT.
 4. PLACE TWO LAYERS OF GRAVEL BAGS. OVER LAP BAGS AND PACK THEM TIGHTLY TOGETHER TO MINIMIZE THE SPACE BETWEEN BAGS. FILL BAG WITH 3/4" DRAIN ROCK.
 5. 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.
 6. SEDIMENT AND GRAVEL SHALL BE IMMEDIATELY REMOVED FROM TRAVELED WAY OF ROAD.
 7. 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 ENGINEERS APPROVAL.

② CURB INLET DETAIL



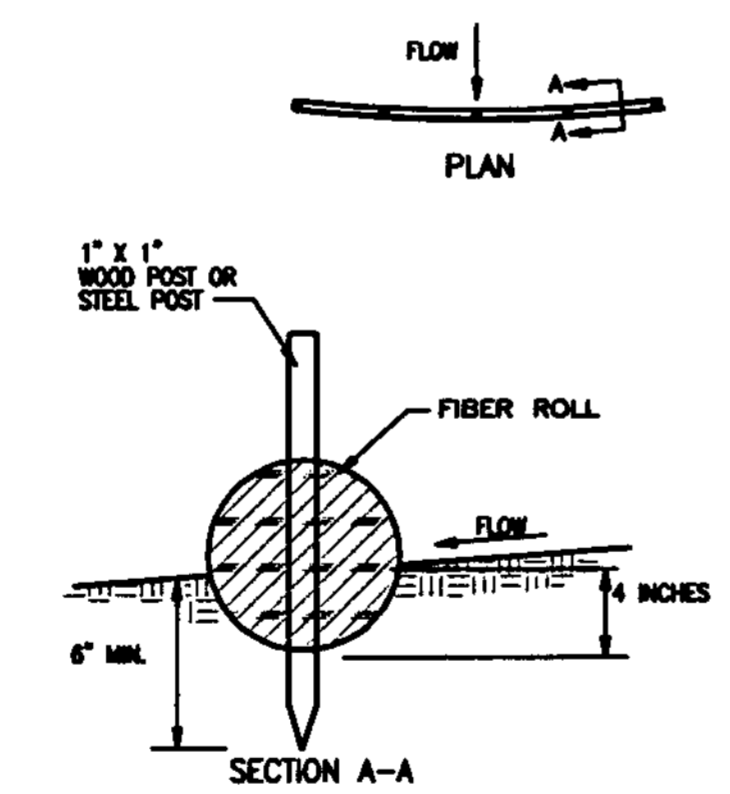
- NOTES**
1. THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN 2 ACRES (0.8 HECTARES).
 2. THE FILTER PAD SHALL BE 1 INCH (25 MM) THICK CLEANABLE POLYESTER FIBER AND ACRYLIC LATEX RESIN OR APPROVED EQUAL. FILTER PAD SHALL OVERLAP DROP INLET ON ALL SIDES BY A MIN. OF 1" (25 MM).
 3. THE FILTER 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 INCH (13 MM) THICK. THE GRATE SHALL HAVE A MINIMUM BOX 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 AND SEDIMENT AND DEBRIS REMOVAL SHALL BE MADE AS NECESSARY.
 6. INLET FILTERS SHALL BE "CONSTRUCTION" STORM DRAIN FILTERS BY POLLUTION SOLUTION.

③ CURB INLET DETAIL



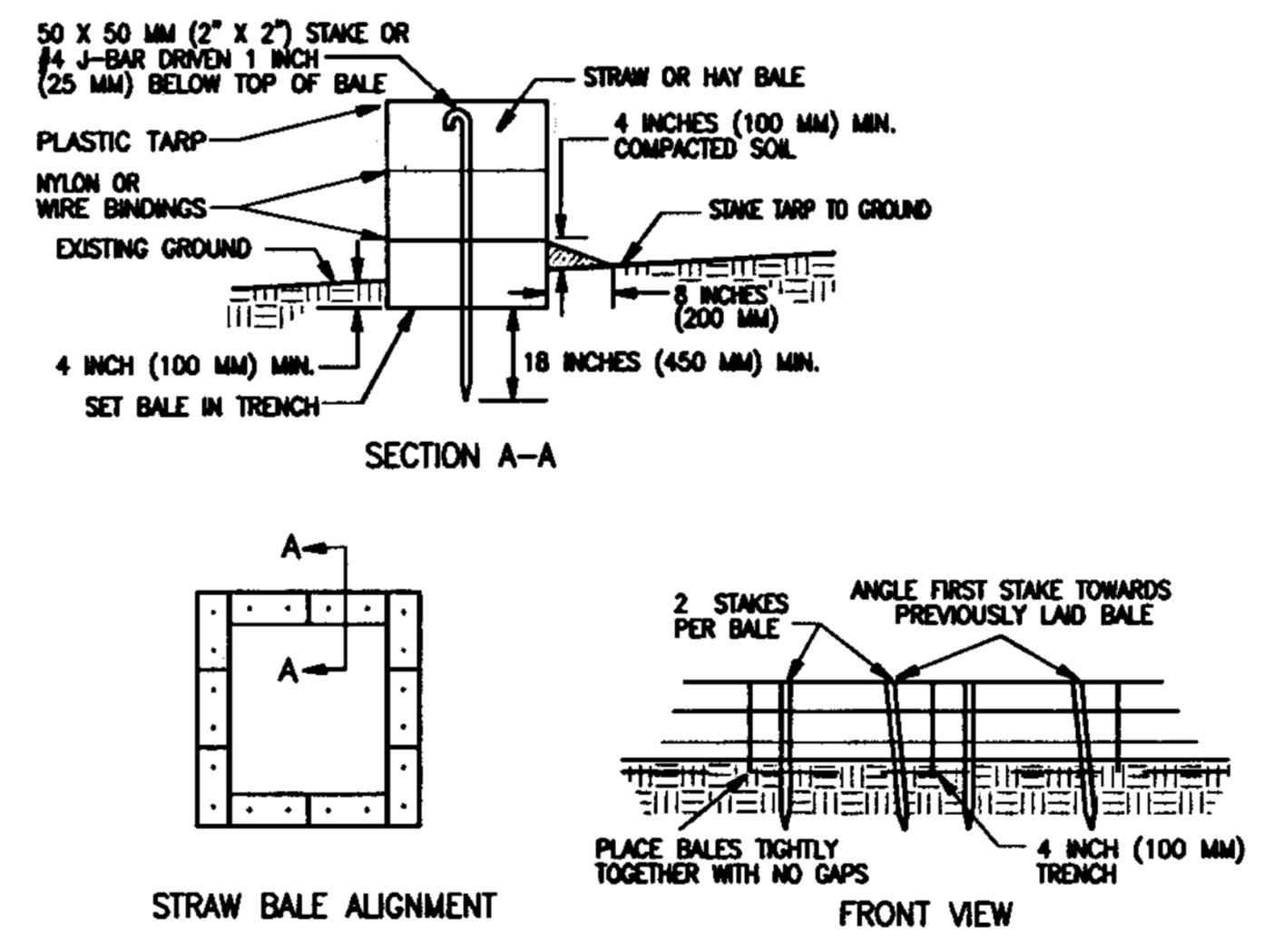
- NOTES**
1. GRAVEL BAGS SHALL BE WOVEN GEOTEXTILE FABRIC.
 2. CONSTRUCT ON GENTLY SLOPING STREET WHERE WATER CAN POND AND ALLOW SEDIMENT TO SEPARATE OUT OF SUSPENSION.
 3. LEAVE A GAP OF ONE BAG IN THE MIDDLE OF THE TOP ROW OF BAGS TO SERVE AS SPILLWAY. SPILLWAY HEIGHT SHALL BE SUFFICIENT IN SIZE TO PASS FLOWS FROM SEVER STORM EVENT.
 4. PLACE TWO LAYERS OF GRAVEL BAGS. OVER LAP BAGS AND PACK THEM TIGHTLY TOGETHER TO MINIMIZE THE SPACE BETWEEN BAGS. FILL BAG WITH 3/4" DRAIN ROCK.
 5. 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.
 6. SEDIMENT AND GRAVEL SHALL BE IMMEDIATELY REMOVED FROM TRAVELED WAY OF ROAD.
 7. 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 ENGINEERS APPROVAL.

⑥ INLET DETAIL



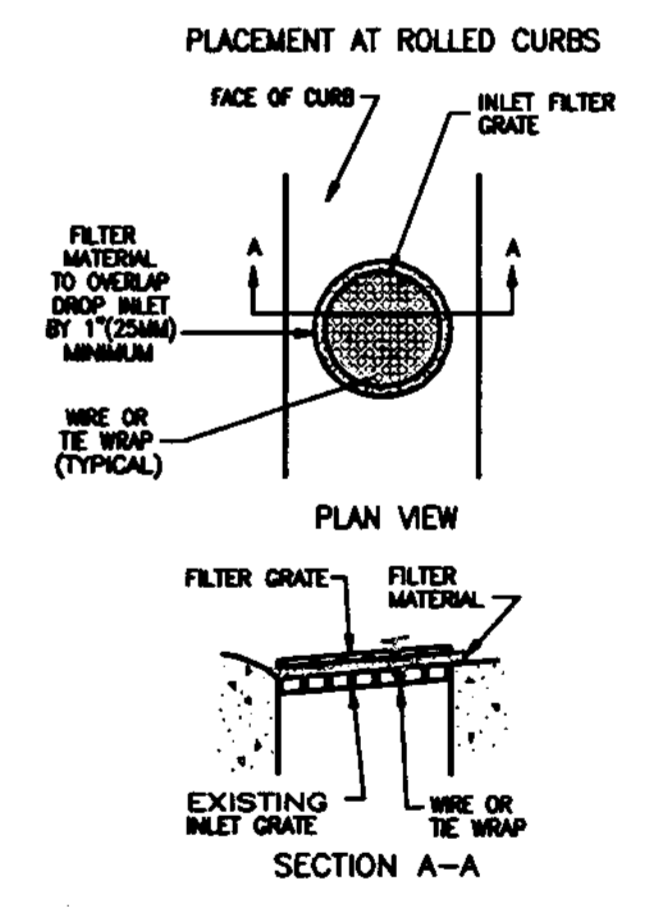
- NOTES**
1. FILTER ROLLS SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH.
 2. SUPPORT POSTS SHALL BE A MINIMUM 24" LONG 1" X 1" WOOD POSTS DRIVEN A MINIMUM OF 6 INCHES INTO THE GROUND. POSTS SHALL BE SPACED A MAXIMUM OF 10 FEET APART.
 3. FILTER ROLL SHALL BE BEDDED A MINIMUM OF 3 INCHES 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.

① WADDLE DETAIL



- NOTES**
1. PLACE BALES IN 4 INCH (100 MM) DEEP TRENCH ALONG THE CONTOUR IN THE SHAPE OF AN ARC WITH THE ENDS UPWARD OF THE ARC'S CENTER. BALES SHALL BE PLACED SO THAT BINDINGS ARE HORIZONTAL.
 2. BALES SHALL BE ANCHORED BY TWO 2" X 2" (50 X 50 MM) STAKES OR #4 J-BAR DRIVEN THROUGH THE BALE AND INTO THE GROUND A MINIMUM DEPTH OF 18 INCHES (450 MM). STAKES OR J-BARS SHALL BE BRUSH 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 INCHES (100 MM).
 4. CONTRACTOR MAY SUBSTITUTE HAY BALE WITH AN EARTHEN DIKE AFTER RECEIVING APPROVAL FROM A CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL/CONTROL.
 5. 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 INCHES (150 MM). BALES SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED, COLLAPSED OR DECOMPOSED.

⑤ CONCRETE WASHOUT



- 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 INCH (25 MM) THICK CLEANABLE POLYESTER FIBER AND ACRYLIC LATEX RESIN OR APPROVED EQUAL. FILTER PAD SHALL OVERLAP DROP INLET ON ALL SIDES BY A MIN. 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 INCH (13 MM) THICK. THE GRATE SHALL HAVE A MINIMUM BOX 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 AND SEDIMENT AND DEBRIS REMOVAL SHALL BE MADE AS NECESSARY.
 6. INLET FILTERS SHALL BE "CONSTRUCTION" STORM DRAIN FILTERS BY POLLUTION SOLUTION.

⑦ INLET DETAIL

SU 3855

CONTI & ASSOCIATES, INC.
ENGINEERING SERVICES
PO Box 1986 Woodbridge CA 95256
209.476.0870 acconti@continca.com

IMPROVEMENT PLANS FOR TRACT 3440
CARBONA STATION UNIT 3
EROSION AND SEDIMENT CONTROL PLAN
DETAILS

Design	AMC
Check	AMC
Date	04/01/05
Scale	NTS
Original Drawing Scale	0 1/2" = 1"
Sheet Number	13A of 17
Project File No.	04-138

SU 3856 NS

STORM WATER POLLUTION PREVENTION PLAN

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

- 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.
- TACK COAT AND PRIME COAT ASPHALTS SHALL BE CAREFULLY SPRAYED AND ANY EXCESS MATERIAL SPILLED SHALL BE CLEANED UP IMMEDIATELY BY PROPER METHODS.
- 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.
- CONTRACTOR SHALL CONTROL AND PROPERLY DISPOSE OF ALL LIQUIDS DURING SAWCUTTING ACTIVITIES.

GENERAL:

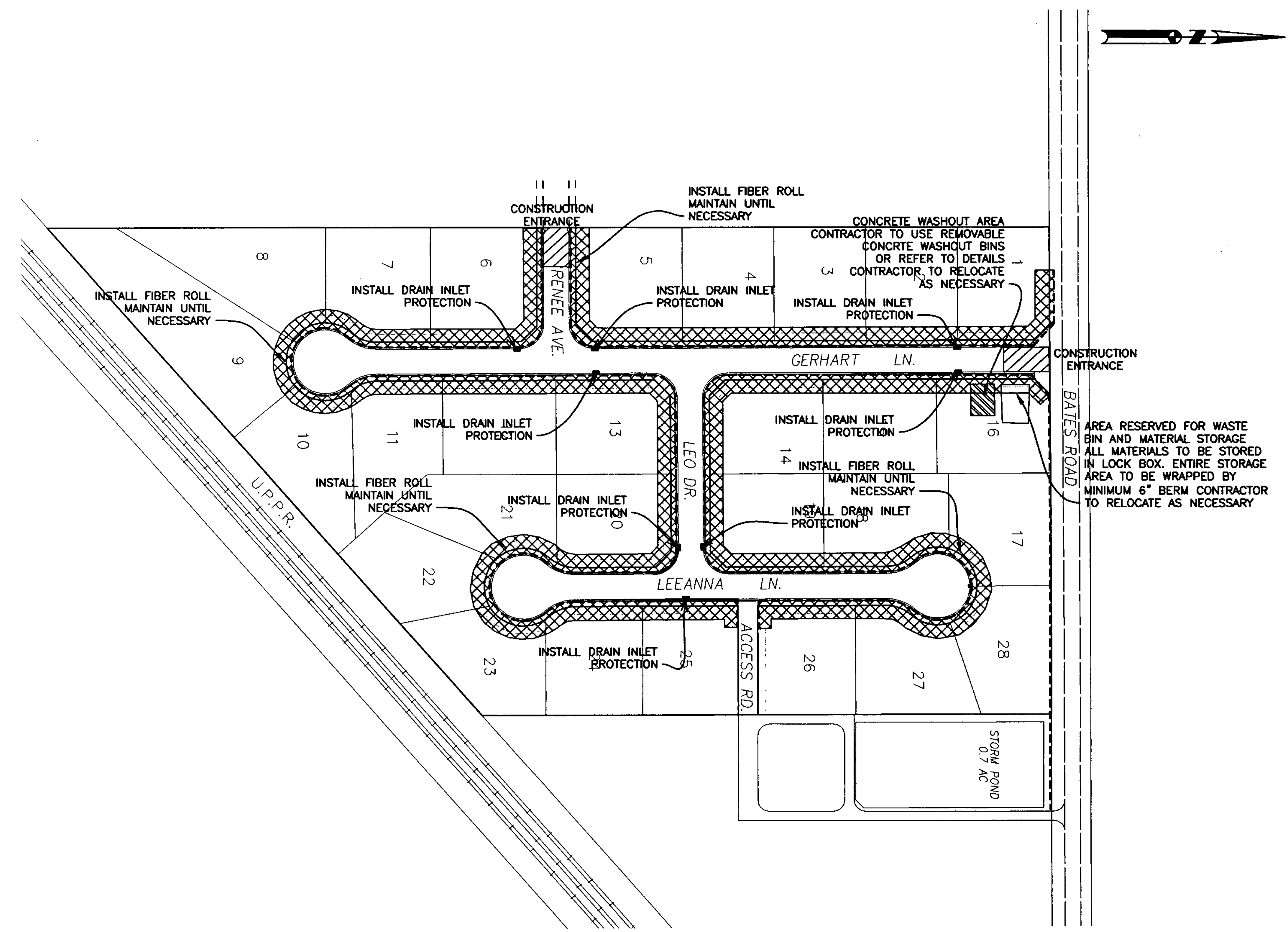
- A CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO COMMENCEMENT OF GRADING. LOCATION OF THE ENTRANCE MAY BE ADJUSTED BY THE CONTRACTOR TO FACILITATE GRADING OPERATIONS. ALL CONSTRUCTION TRAFFIC ENTERING THE PAVED ROAD MUST CROSS THE CONSTRUCTION ENTRANCE.
- CHANGES TO THIS EROSION AND SEDIMENT CONTROL PLAN TO MEET FIELD CONDITIONS SHALL BE MADE ONLY WITH THE APPROVAL OF, OR AT THE DIRECTION OF THE ENGINEER. DURING THE RAINY SEASON, PUBLIC ROADWAY 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.
- CONTROL MEASURES SHALL BE INSPECTED AND REPAIRED AT THE END OF EACH WORKING DAY AND, IN ADDITION, AFTER EACH STORM.
- ALL EROSION CONTROL BMPs SHALL BE IN PLACE PRIOR TO ANY STORM EVENTS.
- CONTRACTOR TO USE A WATER TRUCK DURING GRADING TO MINIMIZE WIND EROSION AND REDUCE DUST.
- IN CASE DEWATERING IS NECESSARY, THE CONTRACTOR SHALL ENGAGE AN EROSION CONTROL CONTRACTOR TO PROPERLY DISPOSE OF THE WATER. DETENTION PONDS MAY BE REQUIRED FOR DEWATERING AND THEY WILL BE DESIGNED IF THE NEED ARISES. ALTERNATIVE EFFECTIVE METHODS SHALL BE IMPLEMENTED IF THE PROPOSED METHOD FAILS TO THE SATISFACTION OF THE INSPECTOR.

BMP NOTES:

- ALL ON-SITE MATERIALS WILL BE STORED IN LOCK BOX.
- USE WATERING TRUCK FOR DUST CONTROL.
- ALL PLANTER AREAS TO RECEIVE STRAW AND TACKIFIER AFTER PAVING ACTIVITIES ARE COMPLETE.
- ALL DEBRIS AND SOLID WASTE TO BE STOCKPILED IN A 40 YARD DUMPSTER.
- ALL SPOIL PILES TO BE COVERED COMPLETELY WITH PLASTIC SHEETING AND SPOIL AREAS TO BE SURROUNDED WITH STRAW/FILTER ROLLS.
- NO VEHICLES OR MACHINERY TO BE STORED, FUELED OR WASHED ON PROJECT SITE. ALL VEHICLE AND MACHINERY MAINTENANCE TO BE PERFORMED OFF-SITE.
- ALL WATER PUMPED FROM TRENCHES OR SEDIMENT TRAP MUST PASS THROUGH A GRAVEL BAG FOR FILTRATION BEFORE IT IS DISCHARGED ON PROPERTY.
- DURING ROUGH GRADING CONTRACTOR TO INSTALL HEARTH DIKE AND STRAW/FILTER ROLLS AT PERIMETER OF THE PROPERTY TO MAINTAIN RUN-OFF ON SITE.
- IN CASE COLLOIDAL SUSPENSION NEEDS TO BE REMOVED PRIOR TO DISCHARGE, THE CONTRACTOR WILL DESIGN AND CONSTRUCT TEMPORARY HOLDING BASINS. THE DESIGN OF THE BASIN WILL BE ADDRESSED IF THE NEED ARISES.
- ALL LANDSCAPED AREAS ARE GRADED TO DRAIN IN THE DIRECTION OF THE DRAIN INLET. REFER TO LANDSCAPING AND GRADING PLAN FOR DRAINAGE PATTERNS.

EROSION CONTROL NOTES:

- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THIS PLANS AND SPECIFICATIONS AND THE CALTRANS STORM WATER QUALITY HANDBOOKS, CURRENT EDITION (MARCH 2003).
- EROSION CONTROL BEST MANAGEMENT PRACTICES (BMPs) SHALL BE INSTALLED AND MAINTAINED DURING THE WET SEASON (OCTOBER 15 THROUGH APRIL 30). SEDIMENT CONTROL BMPs SHALL BE INSTALLED AND MAINTAINED ALL YEAR.
- ALL DRAINAGE INLETS IMMEDIATELY DOWNSTREAM OF THE WORK AREAS AND WITHIN THE WORK AREAS SHALL BE PROTECTED WITH SEDIMENT CONTROL AND INLET FILTER BAGS, YEAR ROUND. INLET FILTER BAGS SHALL BE REMOVED FROM THE DRAINAGE INLETS UPON ACCEPTANCE OF THE PUBLIC IMPROVEMENTS.
- ALL STABILIZED CONSTRUCTION ACCESS LOCATIONS SHALL BE CONSTRUCTED PER ATTACHED DETAIL WHERE CONSTRUCTION TRAFFIC ENTERS OR LEAVES PAVED AREAS. THE STABILIZED ACCESS SHALL BE MAINTAINED ON A YEAR ROUND BASIS UNTIL COMPLETION OF CONSTRUCTION.
- ALL AREAS DISTURBED DURING CONSTRUCTION, BY GRADING, TRENCHING, OR OTHER ACTIVITIES, SHALL BE PROTECTED FROM EROSION DURING THE WET SEASON (OCTOBER 15 THROUGH APRIL 30). HYDROSEED, IF UTILIZED, MUST BE PLACED BY SEPTEMBER 15. HYDROSEED PLACED DURING THE WET SEASON SHALL USE A SECONDARY EROSION PROTECTION METHOD SUCH AS EROSION CONTROL BLANKETS OR STRAW MULCH.
- SENSITIVE AREAS AND AREAS WHERE EXISTING VEGETATION IS BEING PRESERVED SHALL BE PROTECTED WITH CONSTRUCTION FENCING. SEDIMENT CONTROL BMPs SHALL BE INSTALLED WHERE ACTIVE CONSTRUCTION AREAS DRAIN INTO SENSITIVE OR PRESERVED VEGETATION AREAS.
- SEDIMENT CONTROL BMPs SHALL BE PLACED ALONG THE PROJECT PERIMETER WHERE DRAINAGE LEAVES THE PROJECT. SEDIMENT CONTROL BMPs SHALL BE MAINTAINED YEAR ROUND UNTIL THE CONSTRUCTION IS COMPLETE OR THE DRAINAGE PATTERN HAS BEEN CHANGED AND NO LONGER LEAVES THE SITE.
- THE FOLLOWING AREAS ARE TO RECEIVE HYDROSEEDING OR OTHER EROSION CONTROL: LOT FRONT YARD BEHIND CURB - THE FIRST 18 FEET OR TOP OF SLOPE (WHICHEVER IS GREATER); SIDEYARDS BEHIND THE CURB - THE FIRST 7.5 FEET OR TOP OF SLOPE (WHICHEVER IS GREATER); SLOPES - ALL SLOPES GRATER THAN 10:1.
- EROSION AND SEDIMENT CONTROL MEASURES FOR THIS PROJECT SHALL BE IN SUBSTANTIAL COMPLIANCE AT ALL TIMES WITH THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THE PROJECT IN ACCORDANCE WITH THE STATE OF CALIFORNIA GENERAL CONSTRUCTION PERMIT. THIS PERMIT REQUIRES THAT THE SWPPP BE KEPT UP TO DATE TO REFLECT THE CHANGING SITE CONDITIONS AND THE SWPPP IS TO BE AVAILABLE ON SITE AT ALL TIMES FOR REVIEW BY STATE AND LOCAL INSPECTORS.



RESPONSIBLE INDIVIDUAL
CHAD KILTZ

WDID NO.

- INSTALL STRAW ROLL OR FILTER ROLL ①
- ▨ INSTALL CONSTRUCTION ENTRANCE PROTECTION ④
- ▨ INSTALL CONCRETE WASHOUT AREA IN LOCATIONS APPROVED BY A CERTIFIED PROFESSIONAL IN EROSION & SEDIMENT CONTROL ⑤
- ▨ INSTALL GRAVEL BAGS AND FILTER FABRICS TO PROTECT ALL INLETS (TYP ALL INLETS) ② ③ ⑥ ⑦
- ▨ CONTRACTOR TO STABILIZE DISTURBED SOIL PRIOR TO RAIN EVENT THROUGH SOIL BINDERS, STRAW MULCH AND/OR EROSION CONTROL BLANKETS CALTRANS STD. SS-3, SS-6, SS-7

NOTE

A DETAILED INSTALLATION AND MAINTENANCE SCHEDULE DURING THE VARIOUS PHASES OF CONSTRUCTION IS OUTLINED IN SECTION 3 OF THE SWPPP BOOK.

ROUGH GRADING: INSTALL CATCHBASIN INLET PROTECTION, INSTALL STRAW OR FILTER ROLLS AT BACK OF CURB AND AT EDGE OF GRADING. THE EXISTING GROUND DOES NOT HAVE A DEFINED DIRECTION OF FLOW. A CONSTRUCTION ENTRANCE SHALL BE INSTALLED PRIOR TO COMMENCING GRADING OPERATIONS.

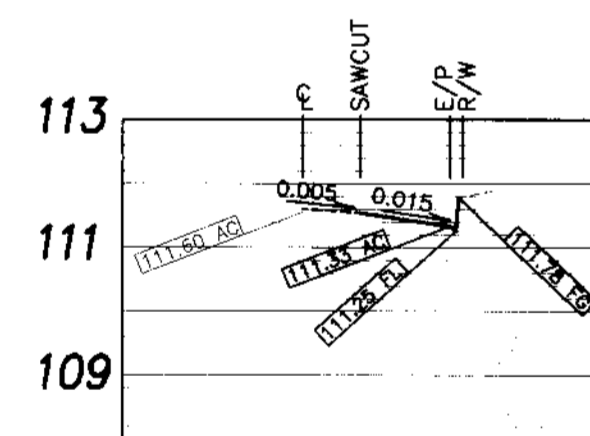
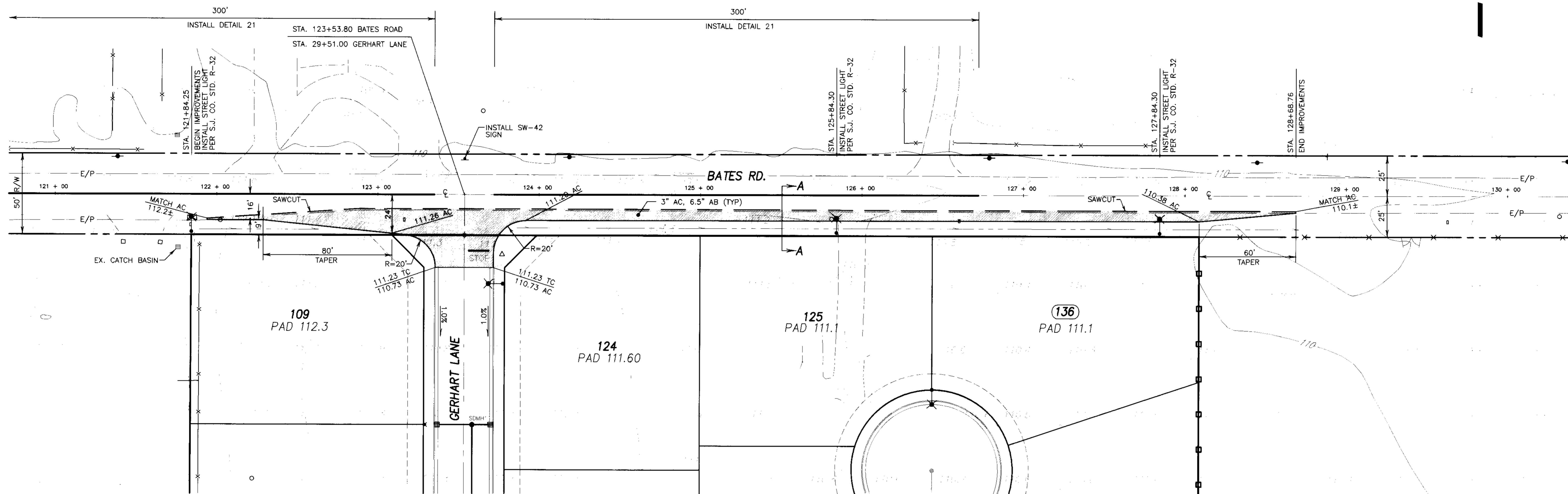
PAVING: INSTALL STRAW OR FILTER ROLLS AT NEW BACK OF WALK. MAINTAIN PROTECTION AT CATCHBASIN, INSTALL ROCK BAGS IN GUTTER PAN. HYDROSEED OR STABILIZE WITH OTHER METHODS DISTURBED SOIL PRIOR TO WET SEASON. ALLOW FOR VEGETATION TO DEVELOP IF HYDROSEEDING.

CONTI & ASSOCIATES, INC.
 ENGINEERING SERVICES
 PO Box 1396, Woodbridge, CA 95258
 209.476.0970
 acconting@aci.com

IMPROVEMENT PLANS FOR TRACT 3440
CARBONA STATION UNIT 3
EROSION AND SEDIMENT CONTROL PLAN LAYOUT

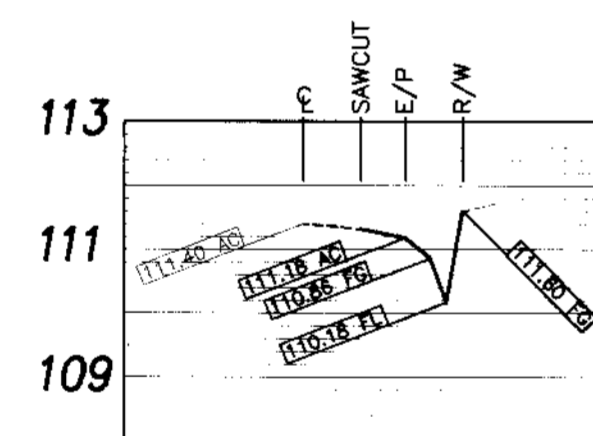
Design	AMC
Check	AMC
Date	04/01/05
Scale	1" = 80'
Original Drawing Scale	0 1/2" = 1"
Sheet Number	13 of 17
Project File No.	04-138

SCALE: 1" = 30'



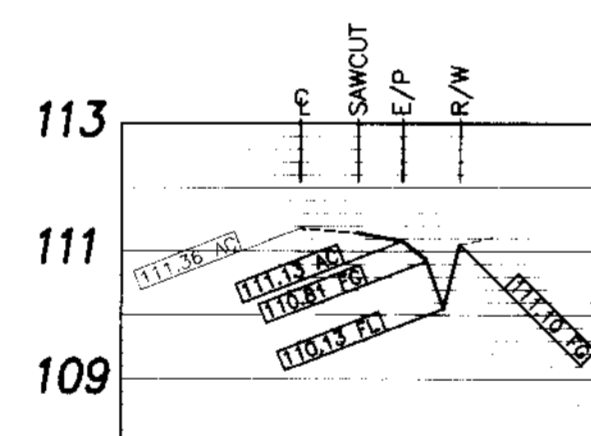
STA. 123+00.00

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



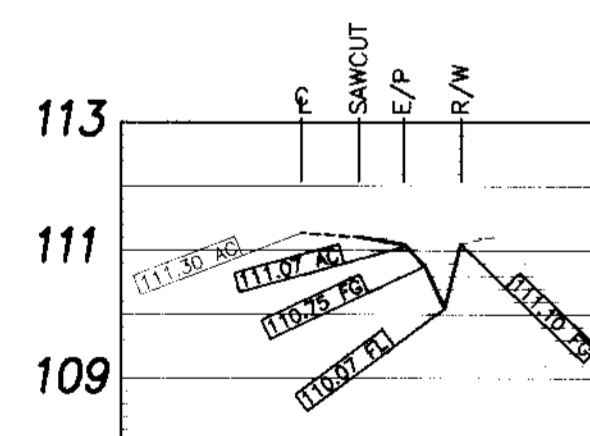
STA. 124+00.00

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



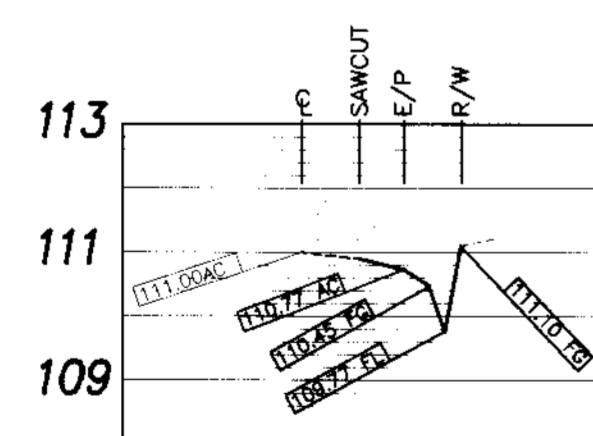
STA. 125+00.00

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



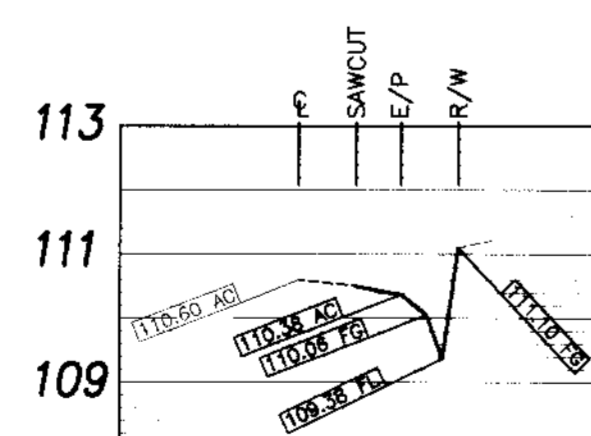
STA. 126+00.00

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



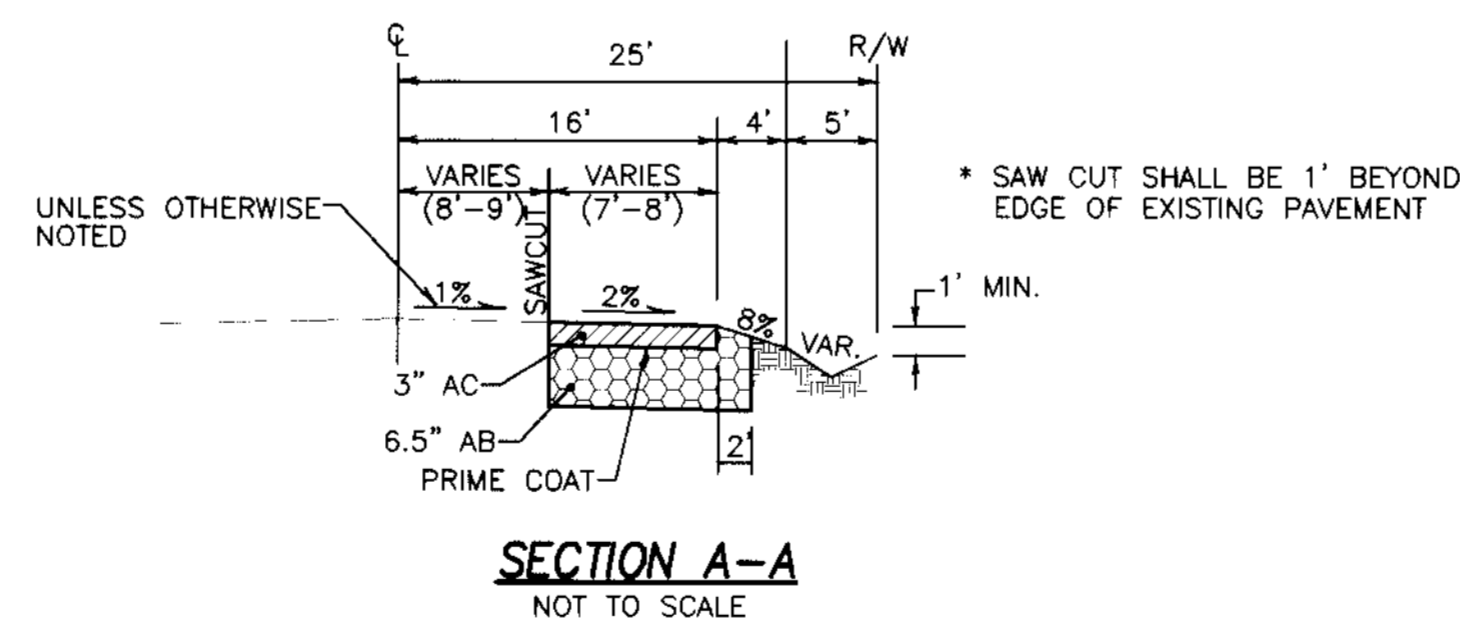
STA. 127+00.00

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



STA. 128+00.00

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

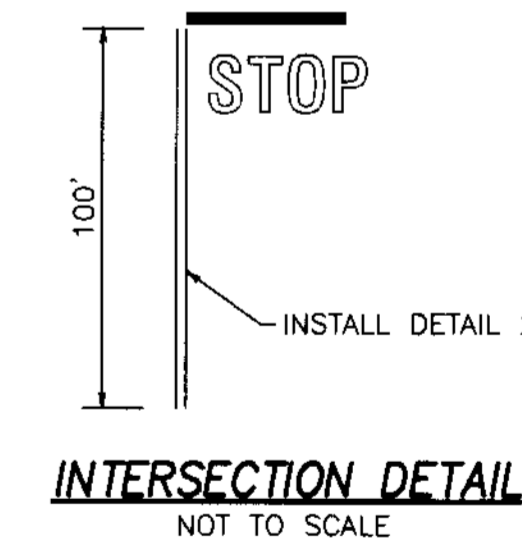


NOTES

1. RELOCATE MAIL BOXES ON BATES ROAD AS NECESSARY.
2. ADJUST EXISTING FACILITIES TO GRADE AS NECESSARY.

LEGEND

- ✕ 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.
- EX. MANHOLE
- EX. POWER POLE
- EX. STAND PIPE
- ⊕ EX. MAIL BOX
- ⊕ EX. CATCH BASIN



RECORD DRAWING

Corrected by: *[Signature]*
 Date: 4/4/06
 By: *[Signature]*
 If you are using this drawing should use the date of the last revision.

NOTE:

ALL LIGHTS INSTALLED SHALL BE LS-2 CLASS "C". THE LIGHTS INSTALLED AT THE INTERSECTION OF BATES ROAD AND GERHART LANE. SHALL BE 150 WATTS ALL OTHER LIGHTS INSTALLED SHALL BE 100 WATTS.

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BR-42 EL: 138.58	SHEET
	DRAWN BY: LM				12
	DESIGNED BY: LM			DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DR.	OF 17 SHEETS
	CHECKED BY: CD				JOB NO. 0005
	AS BUILT BY:				

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IMPROVEMENT PLANS FOR TRACT NO. 3440
 CARBONA STATION UNIT 3

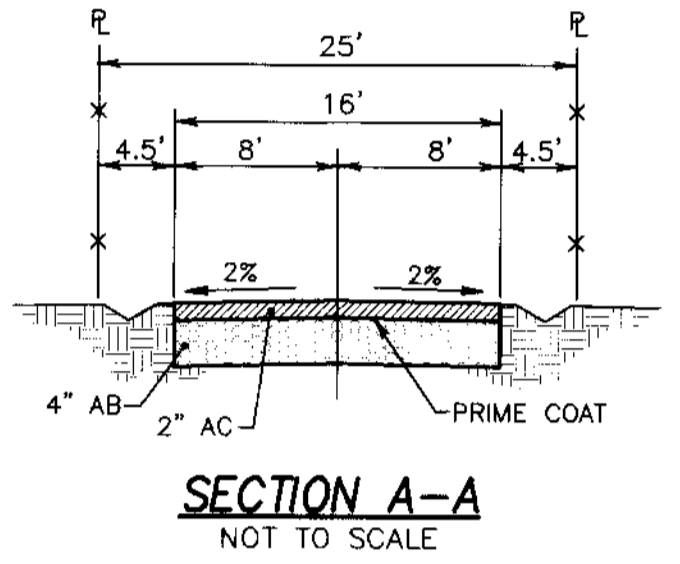
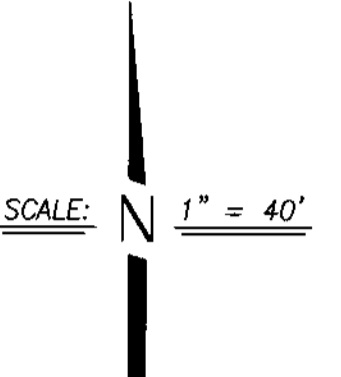
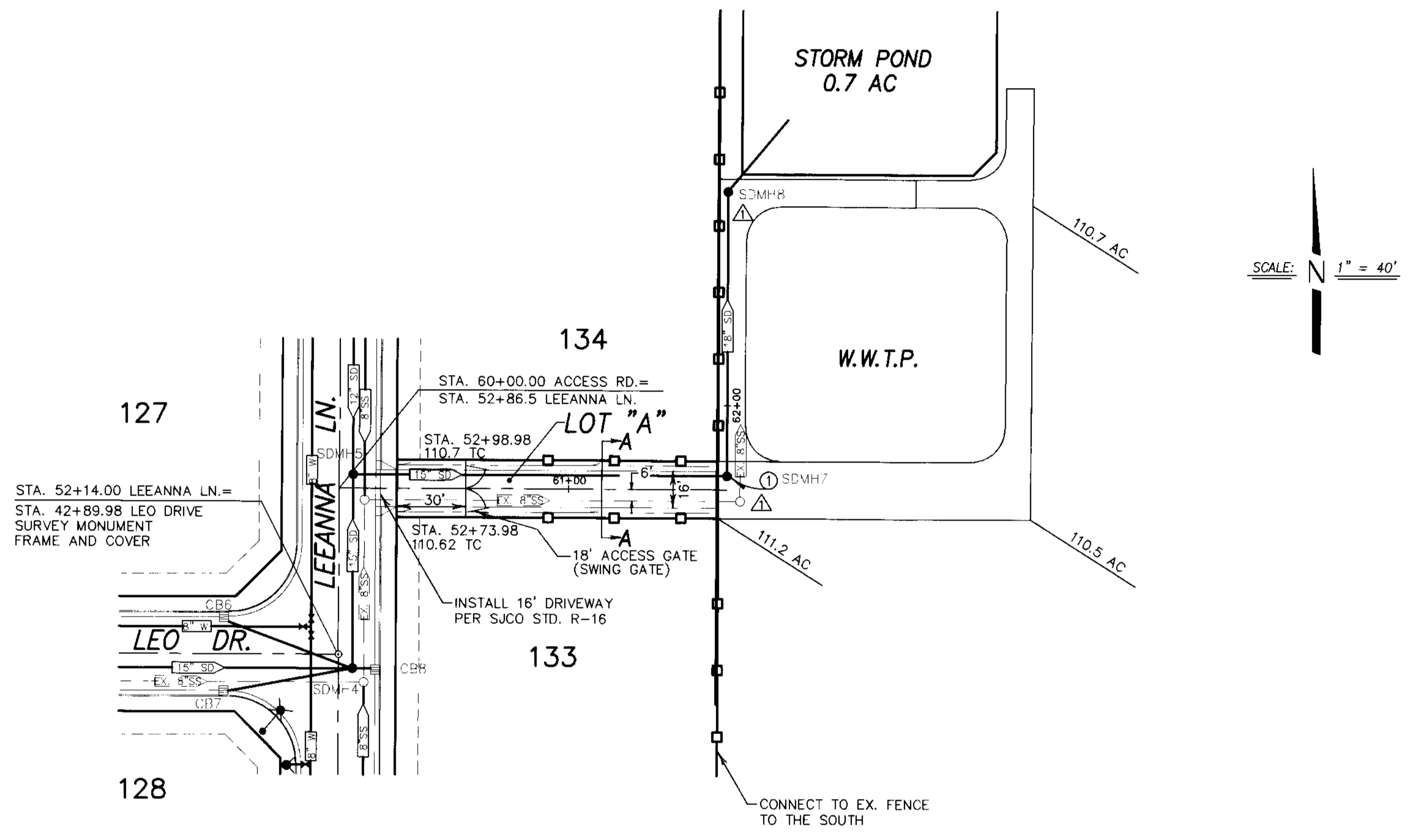
BATES ROAD
 STA. 121 + 84.31 TO STA. 128 + 68.76

NOVEMBER, 2004
 SAN JOAQUIN COUNTY, 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 @ 800-743-9000

SU 3857

SA 2004 0005 1/25 11 IMPROVEMENTS STREET 2:296 409 04 2005



CONSTRUCTION NOTES

① INSTALL MAINTENANCE HOLE PER S.J. CO. STD. PLAN CW-57 SEE SHEET 16 (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. 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
- W.W.T.P. WASTE WATER TREATMENT PLANT
- FG (T). FINISHED GRADE TOTAL
- GB (TYP.). GRADE BREAK 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
- . BLUE REFLECTOR MARKER
- . PROPOSED AIR RELEASE VALVE

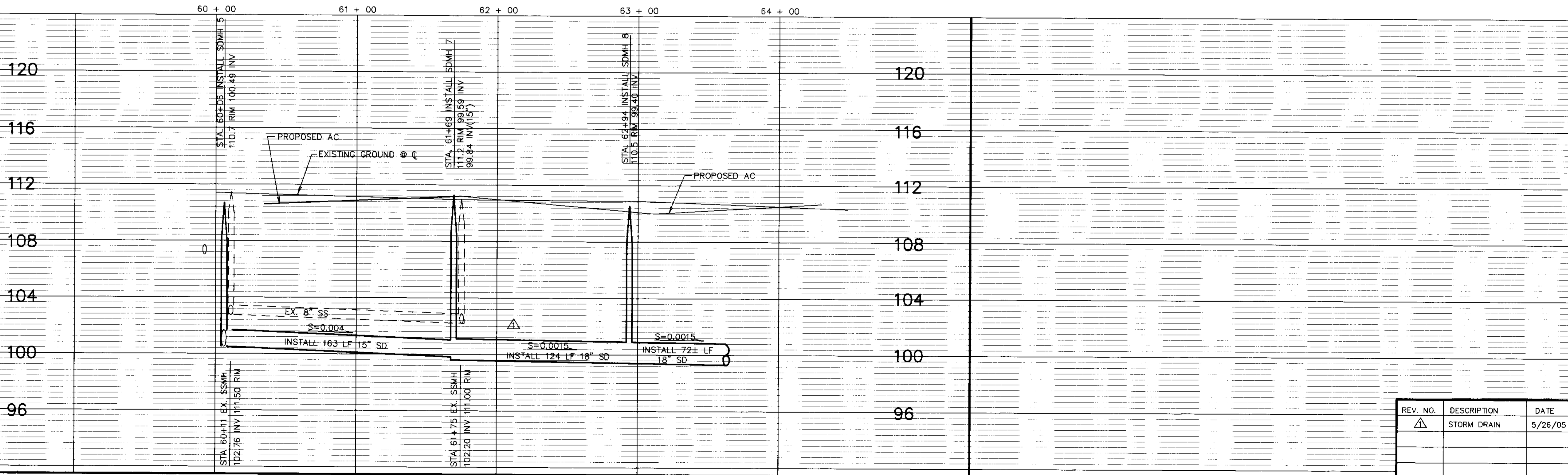
ACCESS ROAD

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

NOTE:
ALL EXISTING SANITARY SEWER MAINTENANCE HOLES SHALL BE ADJUSTED TO AC GRADE.

RECORD DRAWING
Corrections By *B. J. Gould*
No Changes By
Date *4/4/06*
Any Person Using This Drawing Should
All Information By Inspector

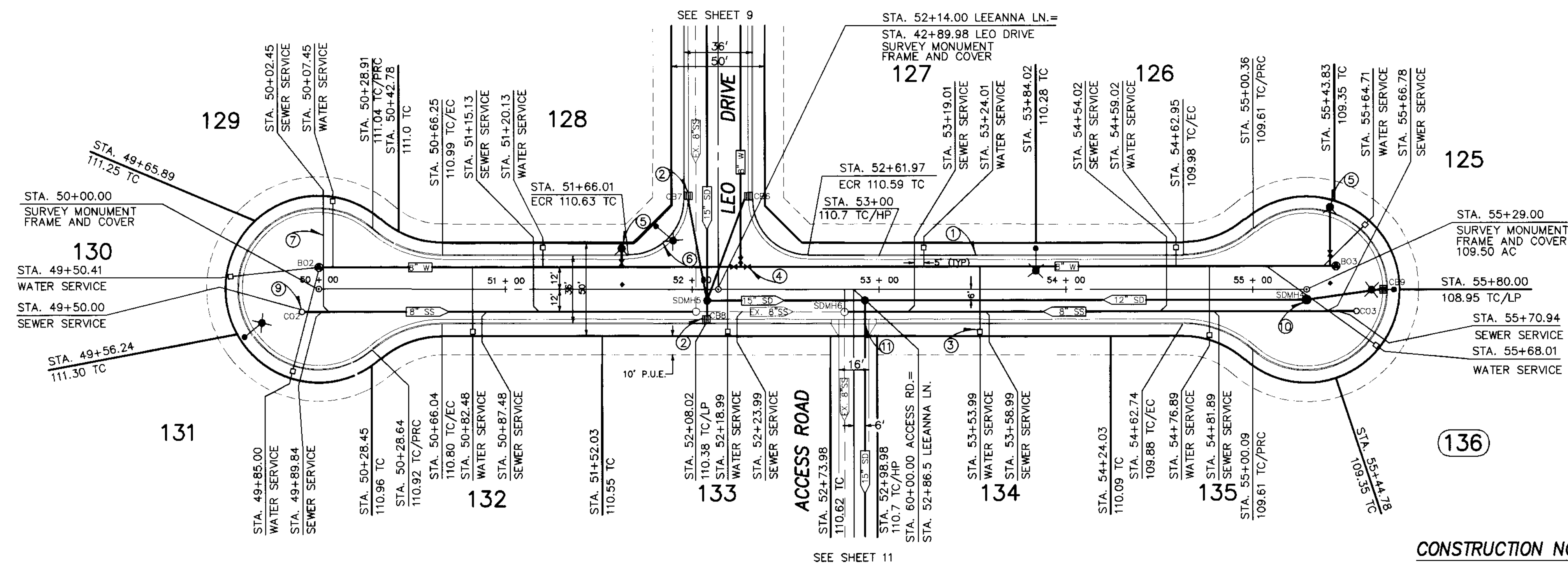
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IMPROVEMENT PLANS FOR TRACT NO. 3440
CARBONA STATION UNIT 3
ACCESS ROAD STA. 60+00 TO STA. 64+26

NOVEMBER, 2004 SAN JOAQUIN COUNTY		SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET 11 OF 17 SHEETS
REV. NO. ①	DESCRIPTION STORM DRAIN	DATE 5/26/05	DESIGNED BY: B.G. CHECKED BY: C.D. 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	

N
SCALE: 1" = 40'



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
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 BLOWOFF VALVE

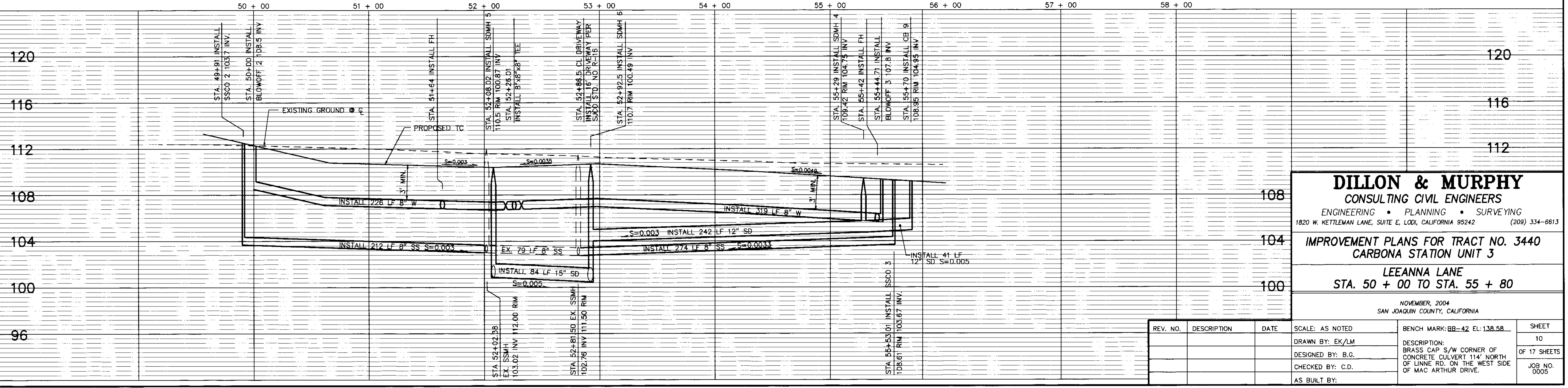
- CONSTRUCTION NOTES**
- INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 17 (TYP.).
 - INSTALL CATCH BASIN SEE DETAIL SHEET 15 (TYP.).
 - INSTALL 1" WATER SERVICE/METER PER S.J. CO. STD. PLAN CW-WB. DETAIL SHEET NO. 15 (TYP.).
 - INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 16 (TYP.).
 - INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 16 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
 - INSTALL 4" SEWER SERVICE PER S.J. CO. STD PLANS S-7A. SEE SHEET 16 (TYP.).
 - NOT USED THIS SHEET.
 - INSTALL SANITARY SEWER CLEAN OUT PER S.J. CO. STD. PLAN CW-S11. SEE SHEET 16 (TYP.).
 - INSTALL MAINTENANCE HOLE PER S.J. CO. STD. PLAN CW-S7 SEE SHEET 16 (TYP.).
 - INSTALL 16" DRIVEWAY PER S.J. CO. STD. PLAN R-16 SEE DETAIL SHEET 17

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

RECORD DRAWING
Correction By:
1st Drafted By:
DATE: 4/14/06
Any Person Using This Drawing Shall Assume
All Information Has Been Checked For Accuracy



NOTE:
ALL EXISTING SANITARY SEWER MAINTENANCE HOLES SHALL BE ADJUSTED TO AC GRADE.

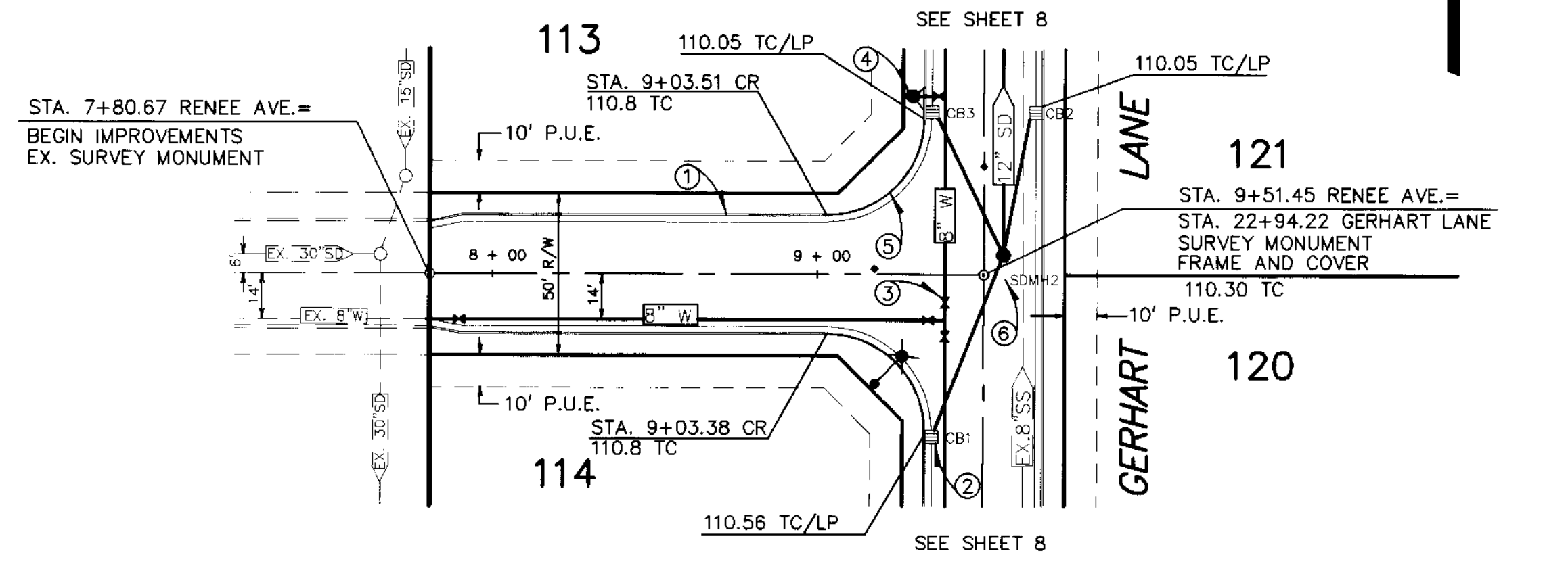


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IMPROVEMENT PLANS FOR TRACT NO. 3440
CARBONA STATION UNIT 3
LEEANNA LANE
STA. 50 + 00 TO STA. 55 + 80

NOVEMBER, 2004
SAN JOAQUIN COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
	DRAWN BY: EK/LM				10
	DESIGNED BY: B.G.				OF 17 SHEETS
	CHECKED BY: C.D.				JOB NO. 0005
	AS BUILT BY:				



SCALE: 1" = 40'

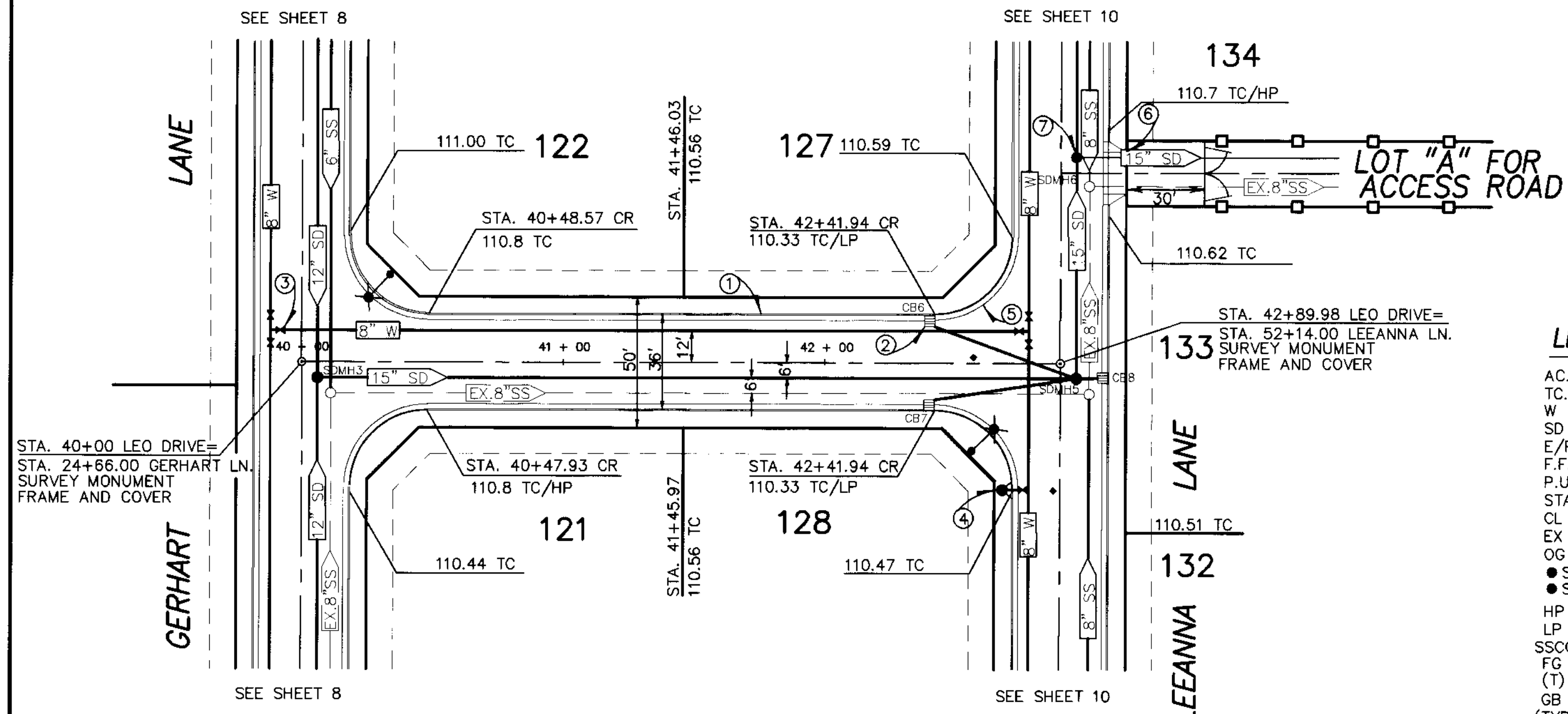
CONSTRUCTION NOTES

1. INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 17 (TYP.).
2. INSTALL CATCH BASIN SEE DETAIL SHEET 15 (TYP.).
3. INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 15 (TYP.).
4. INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 16 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
5. FACE OF CURB RADIUS= 30' (TYP.).
6. INSTALL MAINTENANCE HOLE PER S.J.CO. STD. PLAN CW-S7 (TYP.) SEE DETAIL SHEET 16

NOTE:
ALL EXISTING SANITARY SEWER MAINTENANCE HOLES SHALL BE ADJUSTED TO AC GRADE.

RENEE AVE.

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



SCALE: 1" = 40'

CONSTRUCTION NOTES

1. INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 17 (TYP.).
2. INSTALL CATCH BASIN SEE DETAIL SHEET 15 (TYP.).
3. INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 DETAIL SHEET NO. 15 (TYP.).
4. INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 DETAIL SHEET NO. 16 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE.
5. FACE OF CURB RADIUS= 30' (TYP.).
6. INSTALL 16' DRIVEWAY PER S.J.CO. STD. PLAN R-16 SEE DETAIL SHEET 17
7. INSTALL MAINTENANCE HOLE PER S.J.CO. STD. PLAN CW-S7 (TYP.) SEE DETAIL SHEET 16

RECORD DRAWING

Correction: By
No Changes By
Date: 4/4/06
Any Person Using This Drawing Should
All Information By Inspecting The Site

LEO DRIVE

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

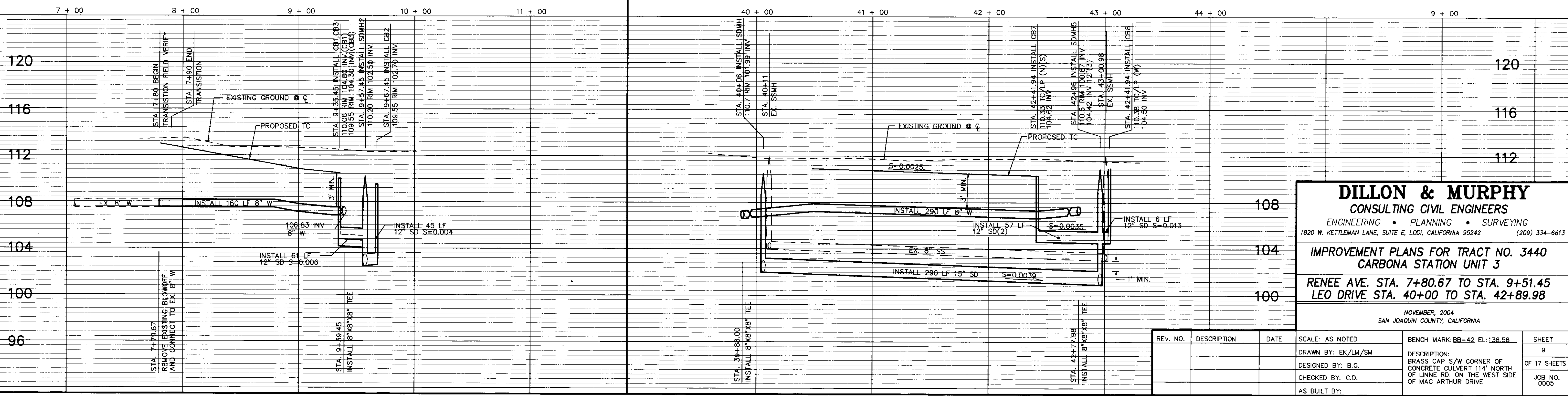
NOTE:
ALL EXISTING SANITARY SEWER MAINTENANCE HOLES SHALL BE ADJUSTED TO AC GRADE.

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
- 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



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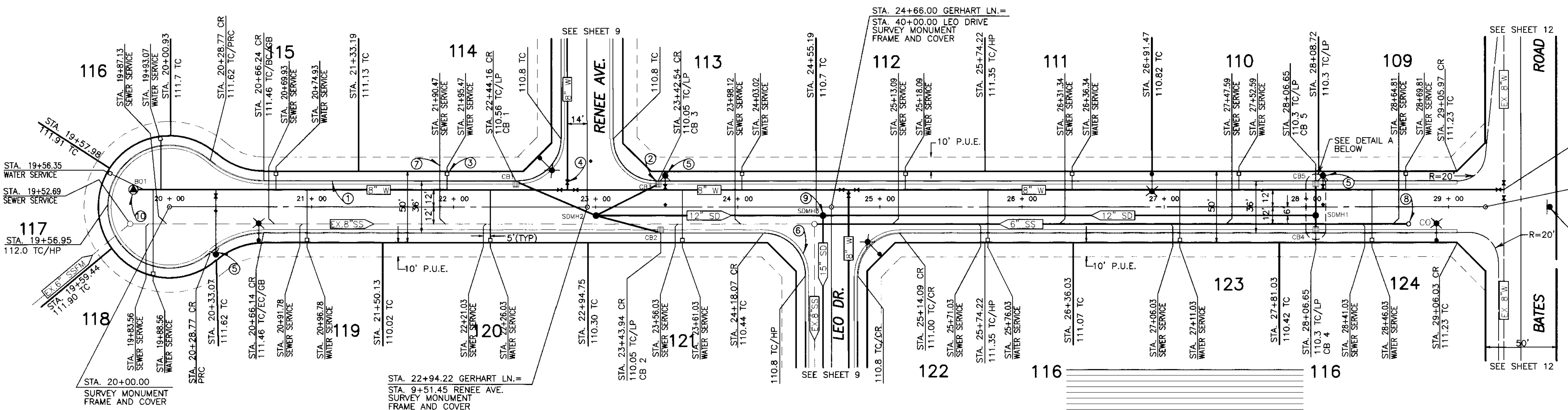


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**IMPROVEMENT PLANS FOR TRACT NO. 3440
CARBONA STATION UNIT 3
RENEE AVE. STA. 7+80.67 TO STA. 9+51.45
LEO DRIVE STA. 40+00 TO STA. 42+89.98**

NOVEMBER, 2004
SAN JOAQUIN COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
	DRAWN BY: EK/LM/SM				9
	DESIGNED BY: B.G.				OF 17 SHEETS
	CHECKED BY: C.D.				JOB NO. 0005
	AS BUILT BY:				



STA. 29+39.00
CONNECT TO EX. 8" WATER
FIELD VERIFY INV

STA. 29+26.00
GERHART LANE
SURVEY MONUMENT
FRAME AND COVER

INSTALL SW-42
SIGN

LEGEND

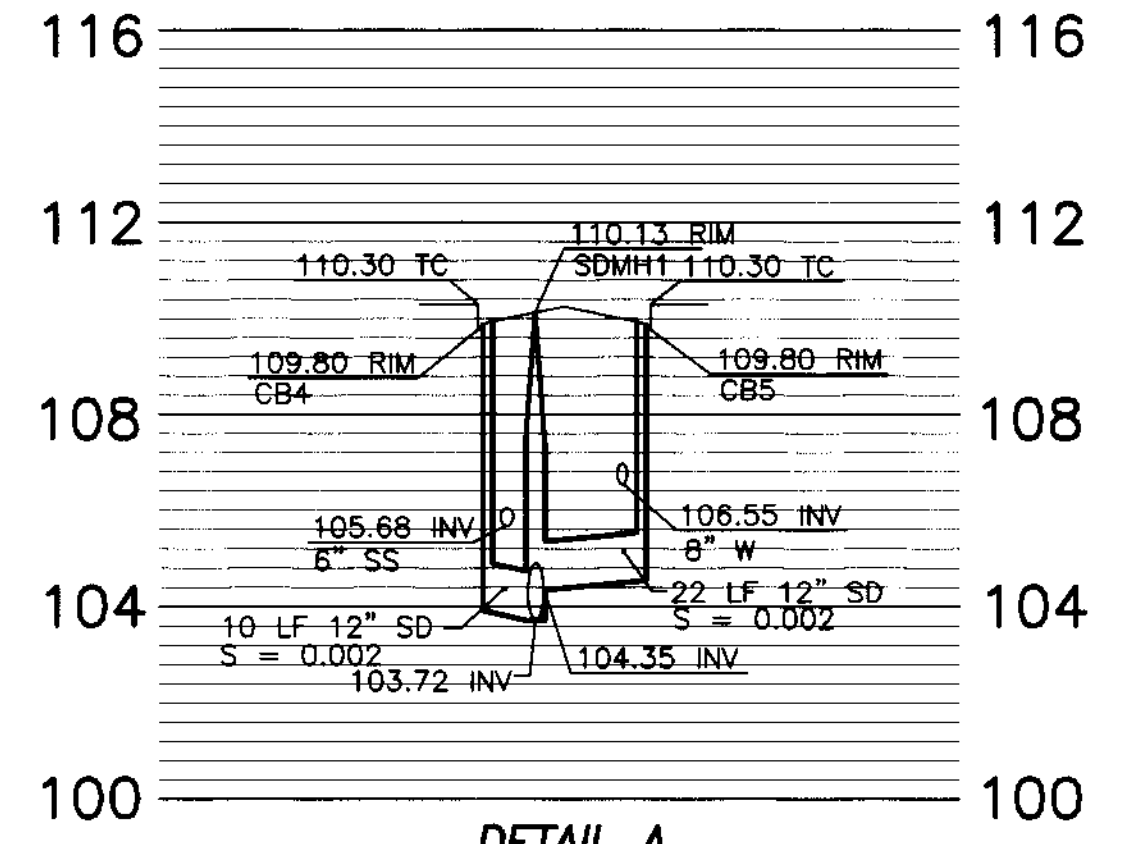
- AC ASPHALT CONCRETE
- TC TOP OF CURB
- W WATER
- SD STORM DRAIN
- E/P EDGE OF PAVEMENT
- F.F. FINISH FLOOR
- P.U.E. PUBLIC UTILITY EASEMENT
- STL STATION
- CL CENTERLINE
- EX EXISTING
- OG ORIGINAL GROUND
- SDMH PROPOSED STORM DRAIN MAINTENANCE HOLE
- SSMH PROPOSED SANITARY SEWER MAINTENANCE HOLE
- 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
- 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 BLOW-OFF VALVE

CONSTRUCTION NOTES

- ① INSTALL VERTICAL CURB AND GUTTER SEE DETAIL SHEET 17 (TYP.).
- ② INSTALL CATCH BASIN SEE DETAIL SHEET 15 (TYP.).
- ③ INSTALL 1" WATER SERVICE/METER PER S.J. CO. STD. PLAN CW-W8. SEE DETAIL SHEET NO. 16 (TYP.).
- ④ INSTALL WATER VALVE PER S.J. CO. STD. PLAN CW-W5 SEE DETAIL SHEET NO. 15 (TYP.).
- ⑤ INSTALL FIRE HYDRANT PER S.J. CO. STD. PLAN CW-W18 SEE DETAIL SHEET NO. 16 (TYP.) AND INSTALL BLUE REFLECTIVE MARKER ON STREET 1' TOWARD HYDRANT FROM CENTERLINE (TYP.).
- ⑥ FACE OF CURB RADIUS = 30' (TYP.).
- ⑦ INSTALL 4" SEWER SERVICE PER S.J. CO. STD PLANS S-7A. SEE SHEET 16 (TYP.).
- ⑧ INSTALL SANITARY SEWER CLEAN OUT PER S.J. CO. STD. PLAN CW-S11. SEE SHEET 16 (TYP.).
- ⑨ INSTALL MAINTENANCE HOLE PER S.J. CO. STD. PLAN CW-S7 SEE SHEET 16 (TYP.).
- ⑩ INSTALL BLOW-OFF PER S.J. CO. DETAIL SEE SHEET 16.

GERHART LANE

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



DETAIL A

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

NOTE:
ALL EXISTING SANITARY SEWER MAINTENANCE HOLES SHALL BE ADJUSTED TO AC GRADE.

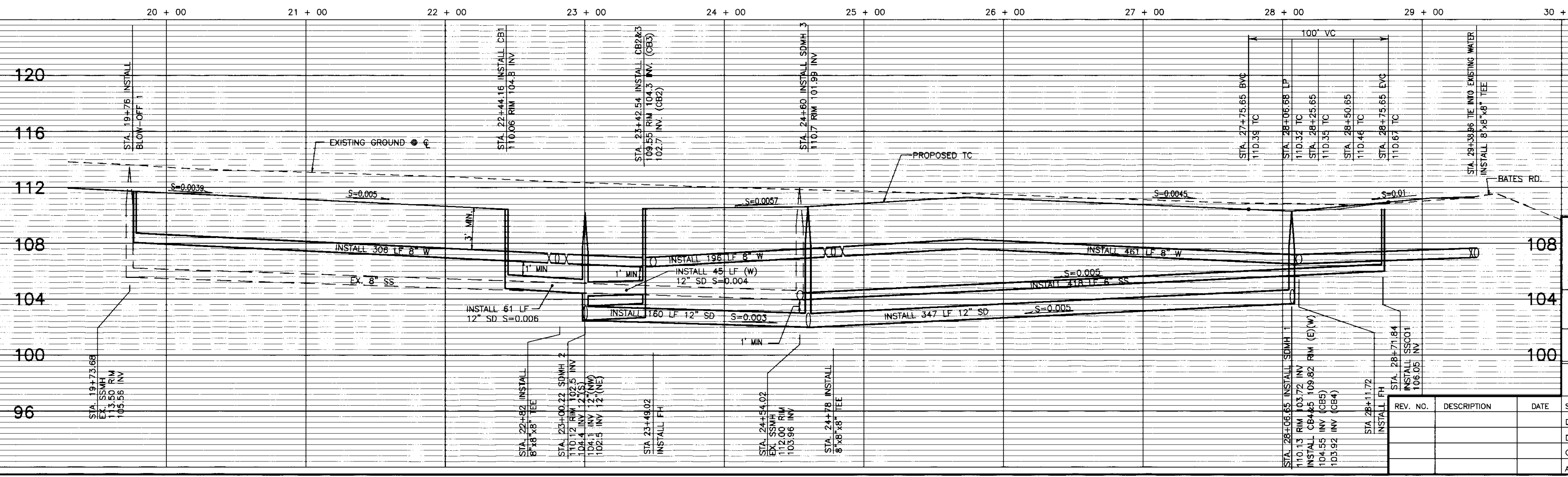
RECORD DRAWING

Corrections By: *[Signature]*
No Changes By: *[Signature]*
Date: 7/1/06

BEFORE YOU DIG

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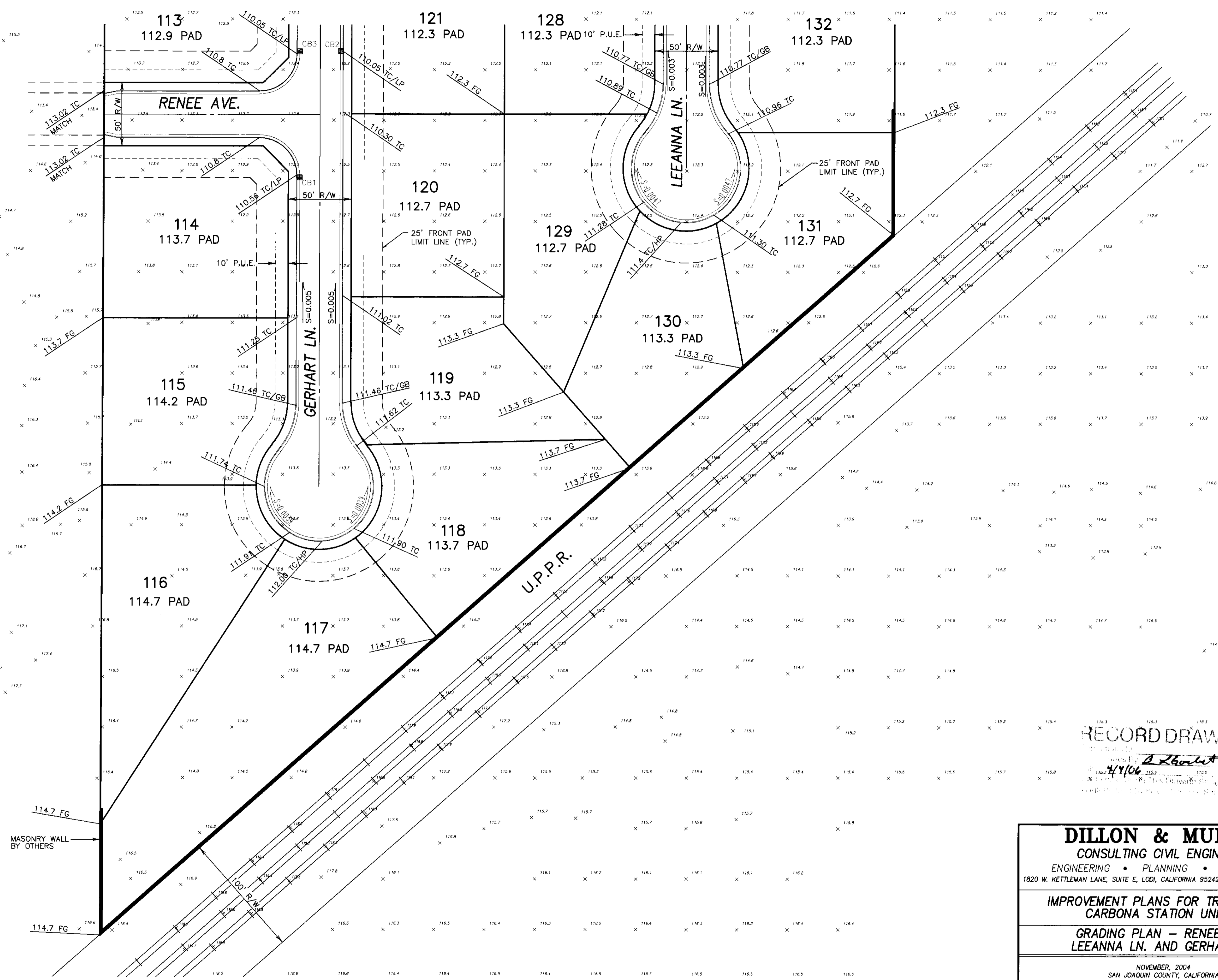
**IMPROVEMENT PLANS FOR TRACT NO. 3440
CARBONA STATION UNIT 3**

**GERHART LANE
STA. 20 + 00 TO STA. 29 + 39**

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
1	AS BUILT BY:				8
DRAWN BY: EK/LM/SM				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: B.G.					
CHECKED BY: C.D.					

SEE SHEET 6

SCALE: 1" = 40'



RECORD DRAWING
 Drawn by *A. Zamboni*
 4/1/06

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 CONSULTING CIVIL ENGINEERS
 ENGINEERING • PLANNING • SURVEYING
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IMPROVEMENT PLANS FOR TRACT 3440
CARBONA STATION UNIT 3

GRADING PLAN - RENEE AVE.,
LEEANNA LN. AND GERHART LN.

NOVEMBER, 2004
 SAN JOAQUIN COUNTY, CALIFORNIA

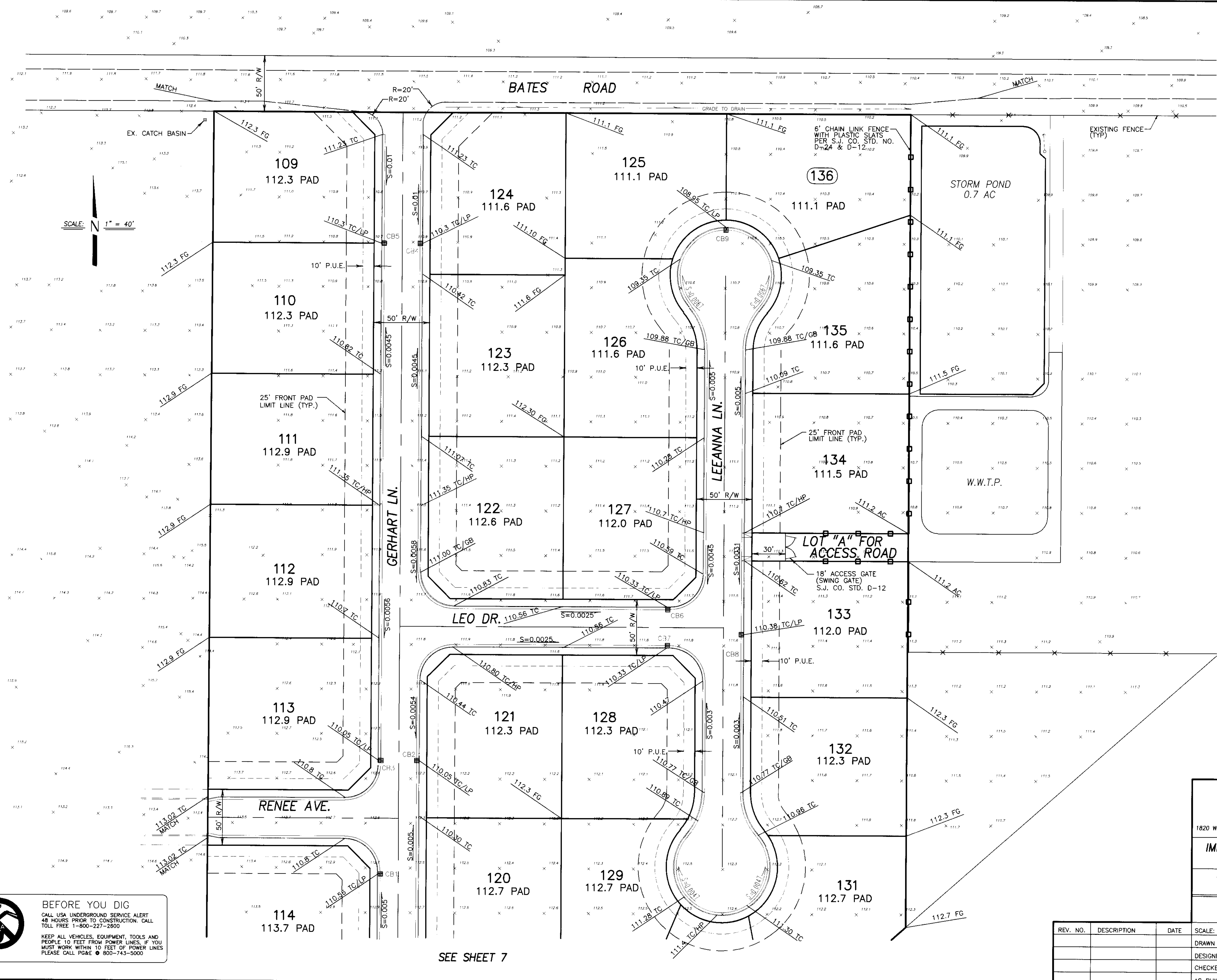
REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 40'	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: LM,SM		7
			DESIGNED BY:		OF 17 SHEETS
			CHECKED BY:		JOB NO.
			AS BUILT BY:		0005

BEFORE YOU DIG
 CALL USA UNDERGROUND SERVICE ALERT
 48 HOURS PRIOR TO CONSTRUCTION. CALL
 TOLL FREE 1-800-227-2800

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

SU 3862

S:\2000\0005\PHASE III IMPROVEMENTS\SHEET 7.dwg May 04, 2005



RECORD DRAWING
 No Changes By
 4/4/06
 [Signature]

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. 3440
CARBONA STATION UNIT 3
GRADING PLAN - LEEANNA LN., LEO DR.
GERHART LN. AND RENEE AVE.

NOVEMBER, 2004
 SAN JOAQUIN COUNTY, CALIFORNIA

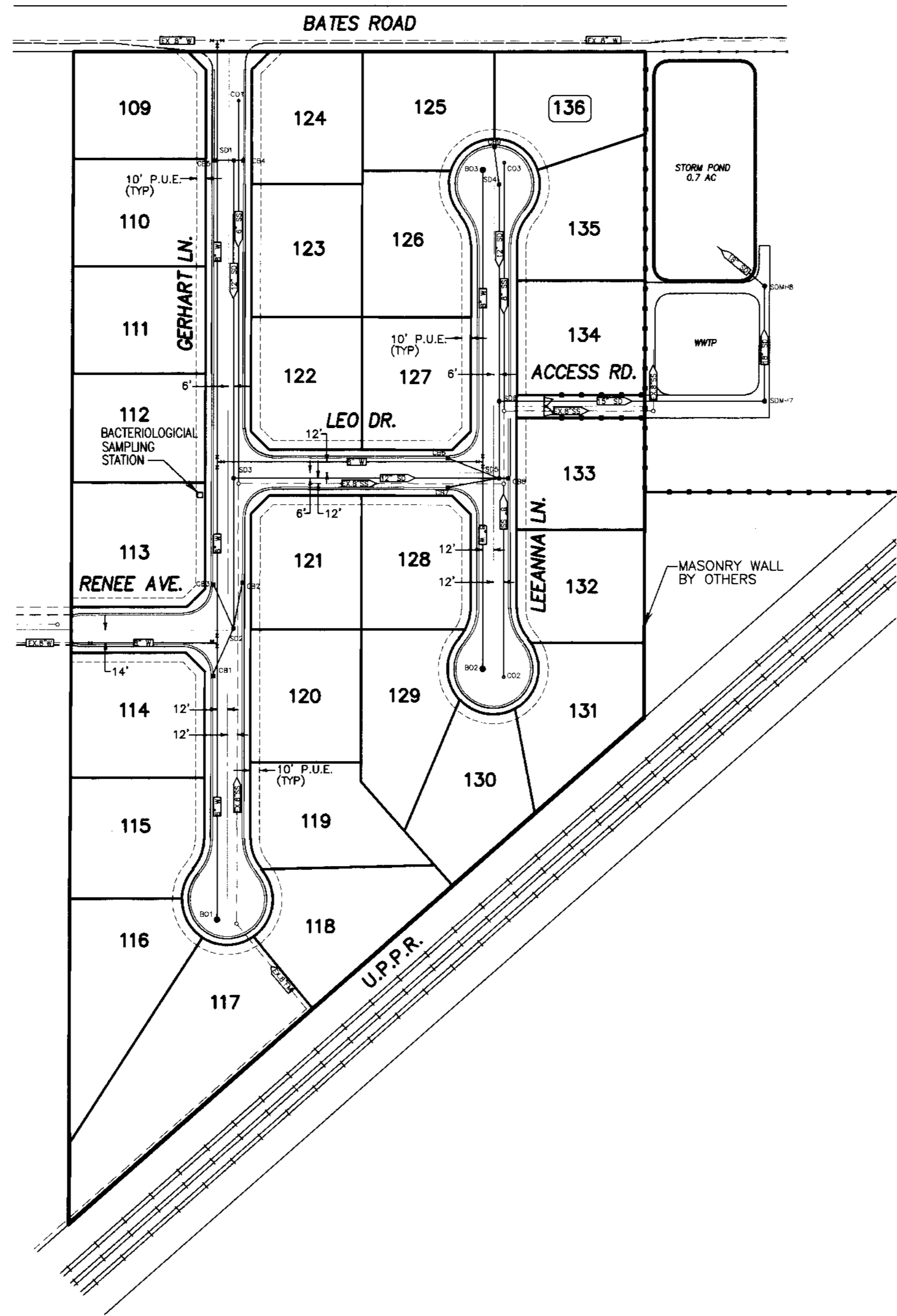
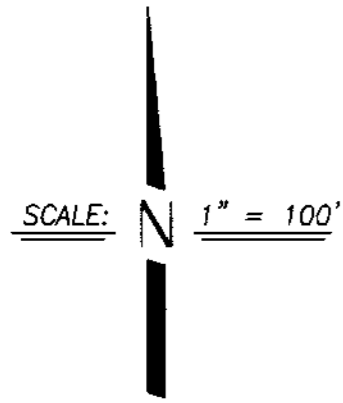
REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 40'	BENCH MARK: BR-42 EL: 138.58	SHEET
	DRAWN BY: LM,SM				6
	DESIGNED BY:				OF 17 SHEETS
	CHECKED BY:				JOB NO.
	AS BUILT BY:				0005

BEFORE YOU DIG
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SEE SHEET 7

S:\2000\0005\PHASE III IMPROVEMENTS\SHEET 6.dwg May 04, 2005



NOTE
SEWER LATERALS FOR LOTS 113-121, 133 WILL BE CONNECTIONS TO AN EXISTING SEWER MAIN. CONTACT THE SAN JOAQUIN COUNTY UTILITY MAINTENANCE DIVISION PRIOR TO THE TEMPORARY SHUT DOWN OF THE EXISTING SEWER LIFT STATION AND COORDINATE ACCORDINGLY.

SU 3864



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

RECORD DRAWING

Corrections By _____
No Changes By B. Lambert
Date 4/4/06
Any Person Using This Drawing Should verify
All information by inspecting The Site Conditions.

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

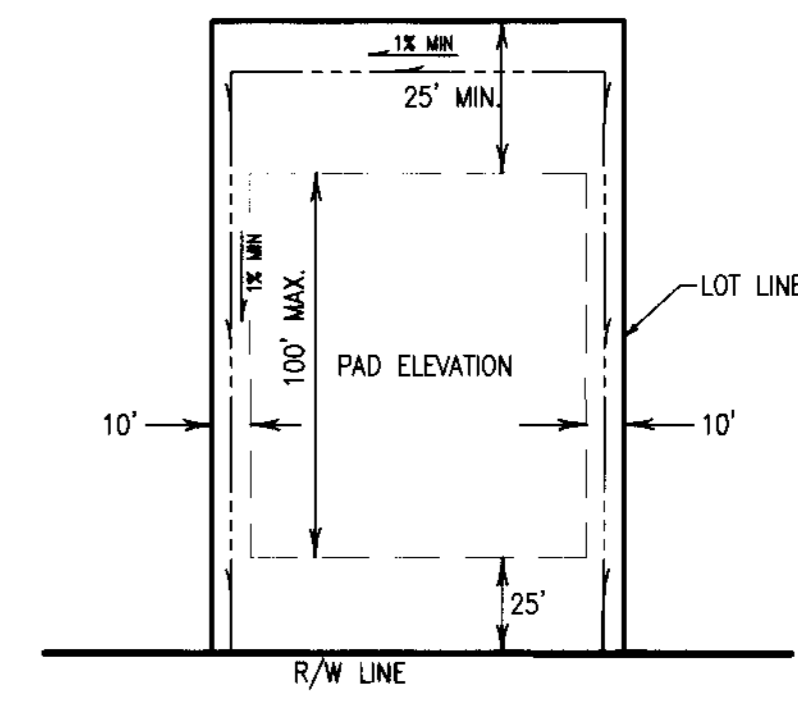
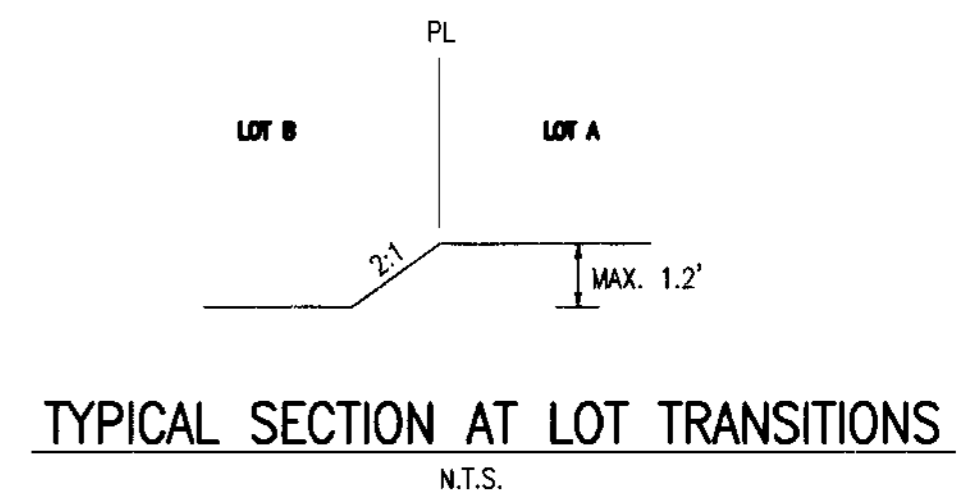
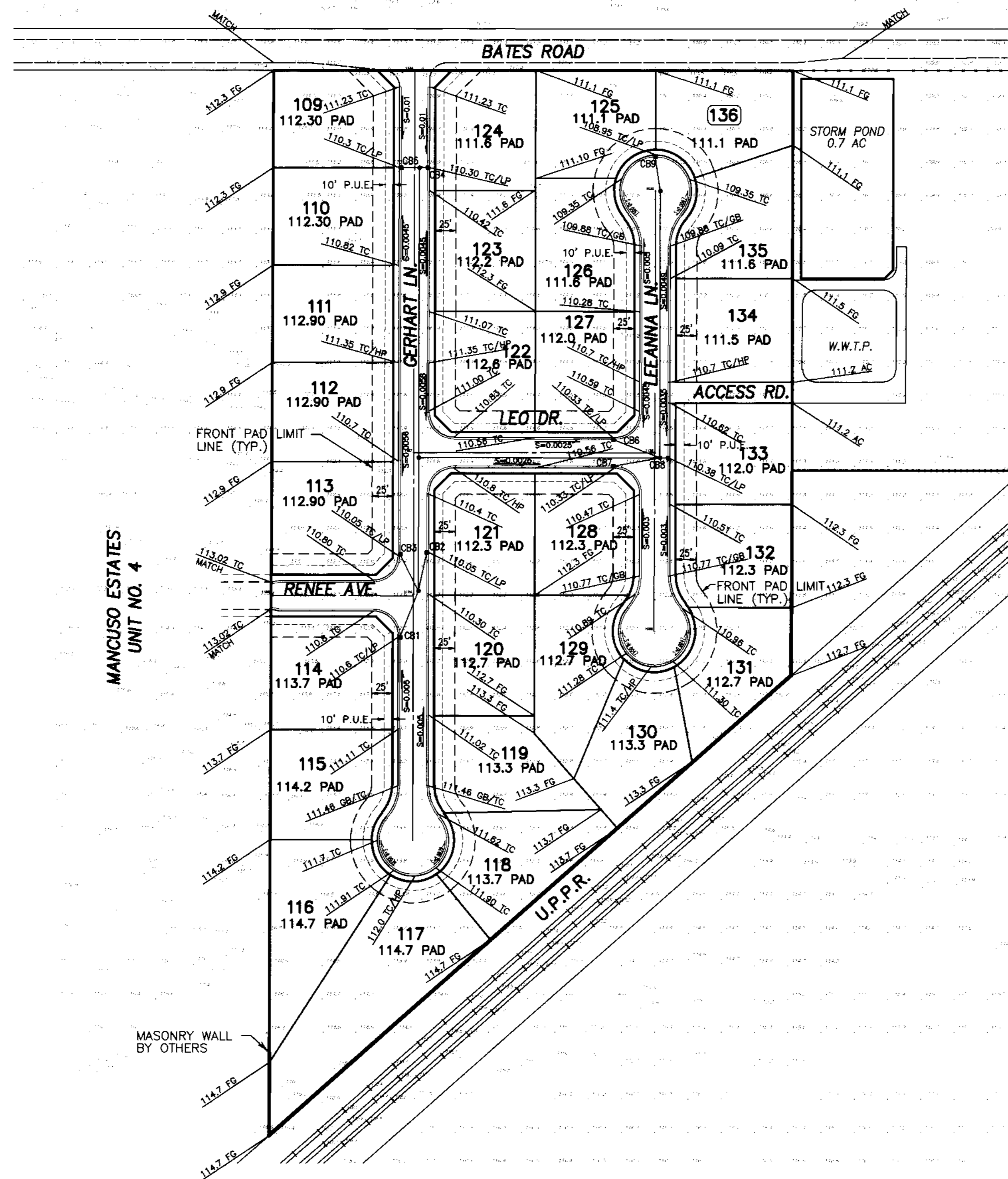
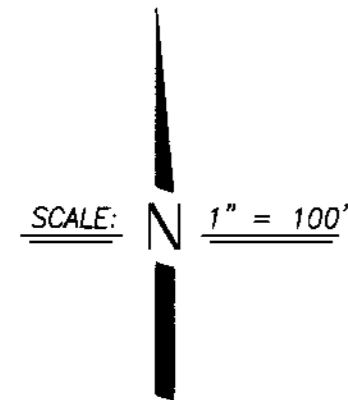
IMPROVEMENT PLANS FOR TRACT NO. 3440
CARBONA STATION UNIT 3

OVERALL UTILITY PLAN

NOVEMBER, 2004
SAN JOAQUIN COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 100'	BENCH MARK: 88-42 EL: 138.58	SHEET
			DRAWN BY: LM	DESCRIPTION:	5
			DESIGNED BY:	BRASS CAP S/W CORNER OF	OF 17 SHEETS
			CHECKED BY:	CONCRETE CULVERT 114' NORTH	JOB NO.
			AS BUILT BY:	OF LINNE RD. ON THE WEST SIDE	0005
				OF MAC ARTHUR DR.	

S:\2000\0000\PHASE III IMPROVEMENTS\SHEET 8.dwg May 04, 2005



- NOTE:
1. ALL GRADING SHALL COMPLY WITH 2001 CBC 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 MARCH 31, 2004 TO DETERMINE LOT GRADING, SITE PREPARATION AND FOUNDATION RECOMMENDATION.

SU 3865



BEFORE YOU DIG
CALL USA UNDERGROUND SERVICE ALERT
48 HOURS PRIOR TO CONSTRUCTION. CALL
TOLL FREE 1-800-227-2800
KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND
PEOPLE 10 FEET FROM POWER LINES. IF YOU
MUST WORK WITHIN 10 FEET OF POWER LINES
PLEASE CALL POSE @ 800-743-5000

RECORD DRAWING

Corrections By: _____
No Changes By: *[Signature]*
Date: *4/10/06*
Any Person Using This Drawing Shall Verify
All Information By Inspection The Site Itself

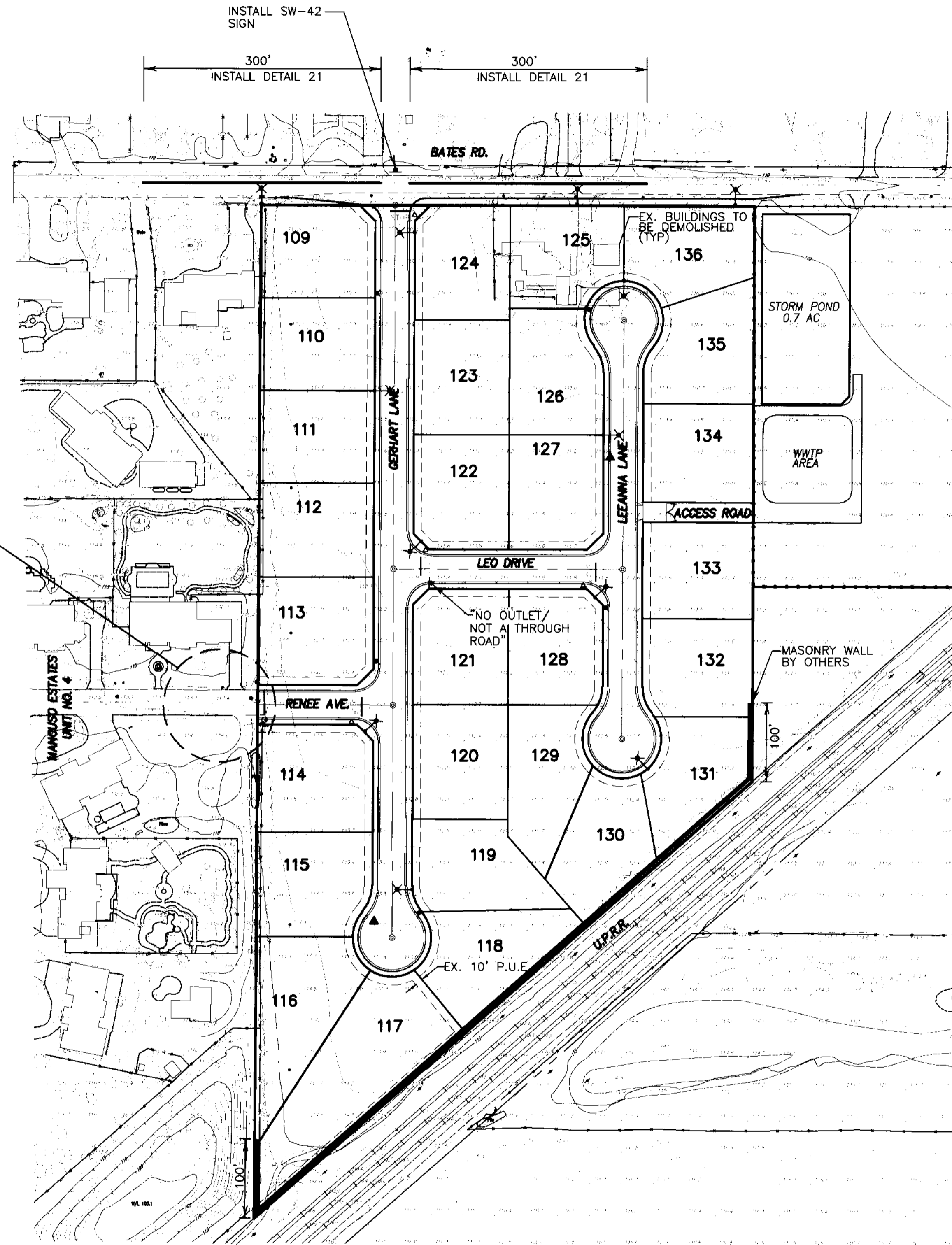
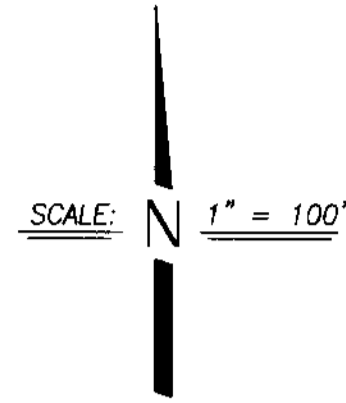
DILLON & MURPHY
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1820 W. KETLEMAN LANE, SUITE E, LODI, CALIFORNIA 95242 (209) 334-6613

IMPROVEMENT PLANS FOR TRACT NO. 3440
CARBONA STATION UNIT 3

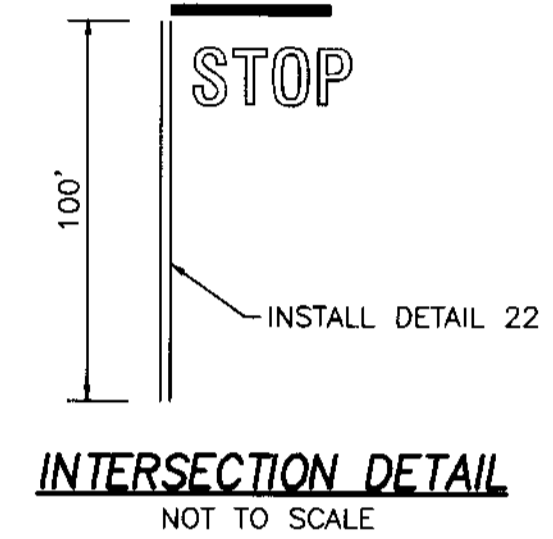
OVERALL GRADING PLAN

NOVEMBER, 2004
SAN JOAQUIN COUNTY

REV. NO.	DESCRIPTION	DATE	SCALE: 1" = 100'	BENCH MARK: BB-42 EL: 138.58	SHEET
			DRAWN BY: LM, SM	DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DRIVE.	4 OF 17 SHEETS
			DESIGNED BY:		JOB NO. 0005
			CHECKED BY:		
			AS BUILT BY:		



REMOVE ALL SIGNAGE REFERENCING "NOT A THROUGH ROAD", OR "NO OUTLET" AT TIE IN TO NEW ROAD AND DELIVER TO S.J. COUNTY TRAFFIC MAINTENANCE DIVISION OF PUBLIC WORKS DEPARTMENT.



LEGEND

- ✕ 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 STREET MONUMENT FRAME AND COVER PER CW-M1.
- ▲ R-VALUE TEST LOCATION (APPROXIMATE)
- EX. MANHOLE
- ✓ EX. POWER POLE
- EX. STAND PIPE

NOTE:

1. ALL LIGHTS INSTALLED SHALL BE LS-2 CLASS "C". THE LIGHTS INSTALLED AT THE INTERSECTION OF BATES ROAD AND GERHART LANE SHALL BE 150 WATTS. ALL OTHER LIGHTS INSTALLED SHALL BE 100 WATTS.
2. BREAK STRIPING FOR NEW INTERSECTION ALONG BATES ROAD AND SHOW PROPER "NO PASS" SOLID YELLOW STRIPING FOR 300 FEET MIN. EACH SIDE OF NEW INTERSECTION.

SU 3866



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CALL USA UNDERGROUND SERVICE ALERT
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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

RECORD DRAWING

Corrections By _____
No Changes By _____
Date: 4/4/06
Any Person Using This Drawing Shall Verify
All Information By Inspecting The Site Of Work.

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

**IMPROVEMENT PLANS FOR TRACT NO. 3440
CARBONA STATION UNIT 3**

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

NOVEMBER, 2004
SAN JOAQUIN COUNTY, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: BB-42 EL: 138.58	SHEET
	DRAWN BY: LM/EK				3
	DESIGNED BY: EK			DESCRIPTION: BRASS CAP S/W CORNER OF CONCRETE CULVERT 114' NORTH OF LINNE RD. ON THE WEST SIDE OF MAC ARTHUR DR.	OF 17 SHEETS
	CHECKED BY: CD				JOB NO. 0005
	AS BUILT BY:				

IMPROVEMENT PLANS FOR TRACT NO. 3440 CARBONA STATION UNIT 3

BEING A PORTION OF
SECTION 3, T.3S., R.5E.,
M.D.B.&M.,
SAN JOAQUIN COUNTY, CALIFORNIA
NOVEMBER, 2004

REFER TO MAJOR SUBDIVISION APPLICATION NO. PA-04-228

SHEET INDEX

UTILITY/DISTRICTS

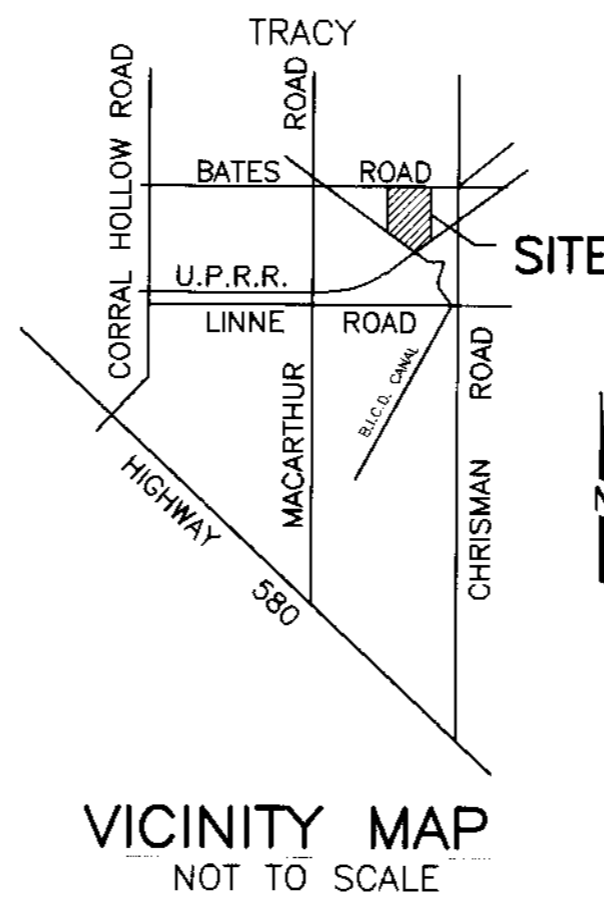
TELEPHONE: SBC TELEPHONE COMPANY
NATURAL GAS & ELECTRICITY: PACIFIC GAS & ELECTRIC COMPANY
SANITARY DISTRICT: CSA 44 ZONE "G"
DOMESTIC WATER: CSA 44 ZONE "G"
STORM DRAINAGE: CSA 44 ZONE "G"
STREET LIGHTING: CSA 44 ZONE "G"

ABBREVIATIONS

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

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 - 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		



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
5	OVERALL UTILITY PLAN
6	GRADING PLAN: 1
7	GRADING PLAN: 2
8	GERHART LANE STA. 20+00.00 TO STA. 29+39.00
9	RENEE AVE. STA. 7+80.67 TO STA. 9+51.45
10	LEO DR. STA. 40+00.00 TO STA. 42+89.98
11	LEEANNA LN. STA. 50+00.00 TO STA. 55+80.00
12	BATES ROAD STA. 121+84.31 TO STA. 128+68.76
13	EROSION CONTROL PLAN
13A	EROSION CONTROL PLAN
14	STORM RETENTION BASIN PLAN
15	SAN JOAQUIN COUNTY STANDARD PLANS
16	SAN JOAQUIN COUNTY STANDARD PLANS
17	SAN JOAQUIN COUNTY STANDARD PLANS & TYPICAL STREET SECTION

SAN JOAQUIN COUNTY PUBLIC HEALTH SERVICES
APPROVED: ENVIRONMENTAL HEALTH SERVICES

BY: Mike Higgins DATE: 4-01-05

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

[Signature]
DIRECTOR OF PUBLIC WORKS
COUNTY OF SAN JOAQUIN

DATE: 5/19/05

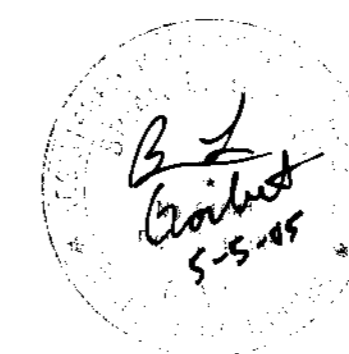
APPROVED: SAN JOAQUIN BUREAU OF FIRE PROTECTION

BY: Steve Dalton DATE: 4-01-2005

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

APPROVED: Mudell Callah DATE: 5/16/05
SENIOR CIVIL ENGINEER

RCE NO. 46533 EXP. DATE: 6/30/07



DILLON & MURPHY
CONSULTING CIVIL ENGINEERS
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1820 W. KETLEMAN LANE, SUITE E, LODI, CALIFORNIA 95242 (209) 334-6613

**IMPROVEMENT PLANS FOR TRACT NO. 3440
CARBONA STATION UNIT 3**

TITLE SHEET

NOVEMBER, 2004
SAN JOAQUIN COUNTY, CALIFORNIA

RECORD DRAWING

Corrections By: _____
No Changes By: [Signature]
Date: 4/4/06
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REV. NO.	DESCRIPTION	DATE	SCALE: N.T.S.	BENCH MARK: BB-42 EL: 138.58	SHEET
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			DESIGNED BY:		JOB NO. 0005
			CHECKED BY:		
			AS BUILT BY:		

SU 3868

S:\2004\0000\PAUSE # IMPROVEMENTS\04271.dwg Mar 31, 2005