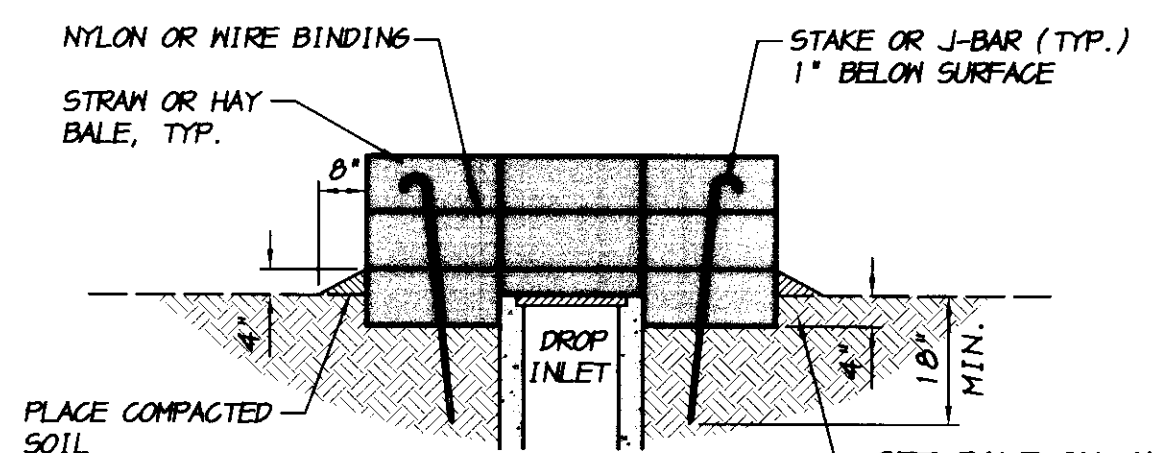


PLAN VIEW



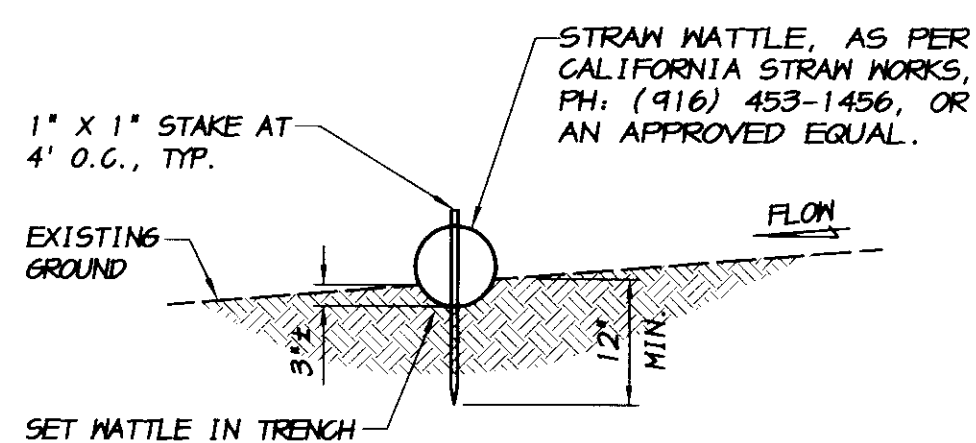
SECTION A-A

NOTES

1. BALES SHALL BE PLACED TIGHTLY ABUTTED TOGETHER IN A TRENCH EXCAVATED A MINIMUM OF 4 INCHES BELOW THE INLET. BALES SHALL BE PLACED SO THAT BINDINGS ARE HORIZONTAL.
2. EACH BALE SHALL BE ANCHORED BY A MINIMUM OF TWO 2" x 2" STAKES OR TWO #4 J-BARS DRIVEN THROUGH THE BALES AND INTO THE GROUND A MINIMUM DEPTH OF 18". TOPS OF STAKES OR J-BARS SHALL BE COUNTERSUNK A MINIMUM OF 1" BELOW THE TOP OF THE BALES.
3. OUTER PERIMETER OF THE BALES SHALL BE BACK FILLED AND COMPACTED TO A DEPTH OF APPROXIMATELY 4 INCHES WITH EXCAVATED MATERIAL.
4. CONTRACTOR SHALL INSPECT BALES WEEKLY AND AFTER EACH RAINFALL TO DETERMINE IF REPAIR OR SEDIMENT REMOVAL IS REQUIRED. SEDIMENT SHALL BE REMOVED WHEN IT HAS BUILT UP TO A DEPTH OF APPROXIMATELY 6". BALES SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED, COLLAPSED OR DECOMPOSED.

STRAM BAILE INLET FILTER

NO SCALE



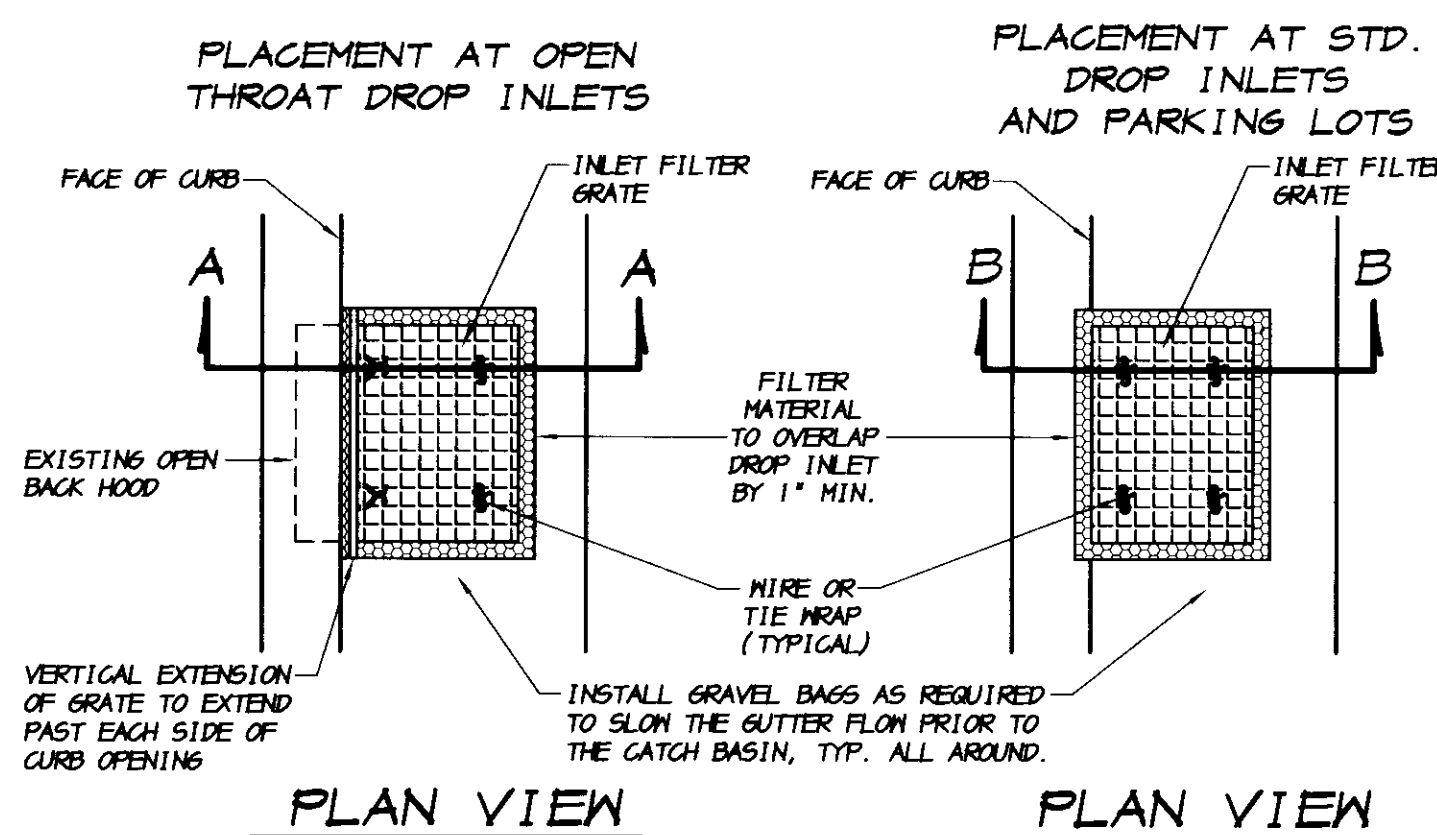
SECTION

NOTE

CONTRACTOR SHALL INSPECT WATTLES WEEKLY AND AFTER EACH RAINFALL. REPAIRS SHALL BE MADE AS NECESSARY AND SEDIMENT SHALL BE REMOVED WHEN IT HAS ACCUMULATED TO A DEPTH OF 4 INCHES. WATTLES SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED, COLLAPSED OR DECOMPOSED.

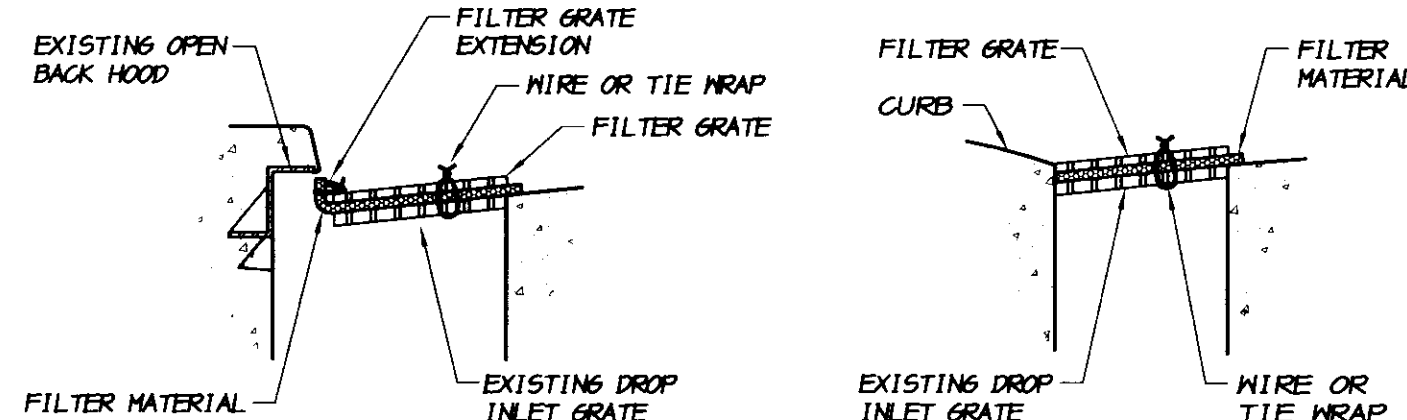
STRAM WATTLE DETAIL

NO SCALE



PLAN VIEW

PLAN VIEW



SECTION "A-A"

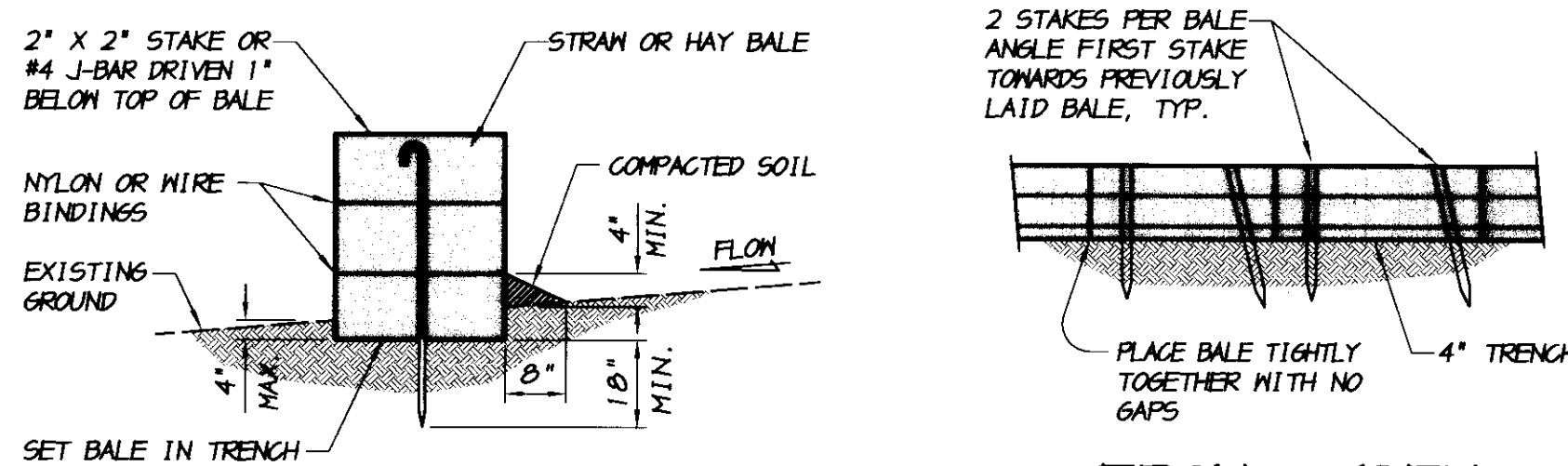
SECTION "B-B"

NOTES

1. THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN 2 ACRES.
2. THE FILTER PAD SHALL BE 1 INCH THICK CLEANABLE POLYESTER FIBER AND ACRYLIC LATEX RESIN OR APPROVED EQUAL. THE FILTER PAD SHALL OVERLAP DROP INLET ON ALL SIDES BY A MINIMUM OF 1 INCH.
3. THE FILTER GRATE SHALL BE MADE OF EXPANDED METAL OF REBAR AND BE OF SUFFICIENT STRENGTH TO PREVENT BENDING WHEN DRIVEN OVER. GRATE MATERIAL SHALL NOT EXCEED 0.5" THICK. THE GRATE SHALL HAVE A MINIMUM 60% OPEN AREA. GRATES USED AT TYPE B AND E INLETS SHALL HAVE A VERTICAL EXTENSION TO COVER THE CURB OPENING. THE FILTER GRATE SHALL BE THE SAME SIZE AS THE DROP INLET GRATE.
4. THE FILTER PAD AND GRATE SHALL BE SECURELY ATTACHED TO THE DROP INLET BY WIRE OR TIE-WRAPS.
5. INLET FILTERS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL. REPAIRS AND SEDIMENT AND DEBRIS REMOVAL SHALL BE MADE AS NECESSARY.

STORM DRAIN INLET FILTER

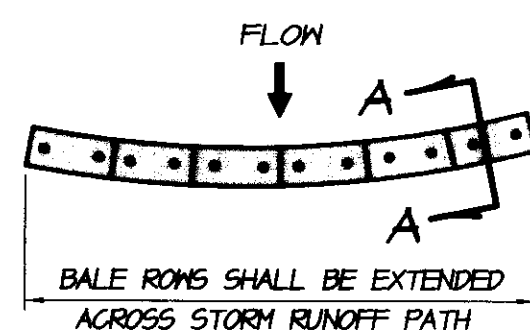
NO SCALE



SECTION A-A

FRONT VIEW

STRAM BAILE ALIGNMENT



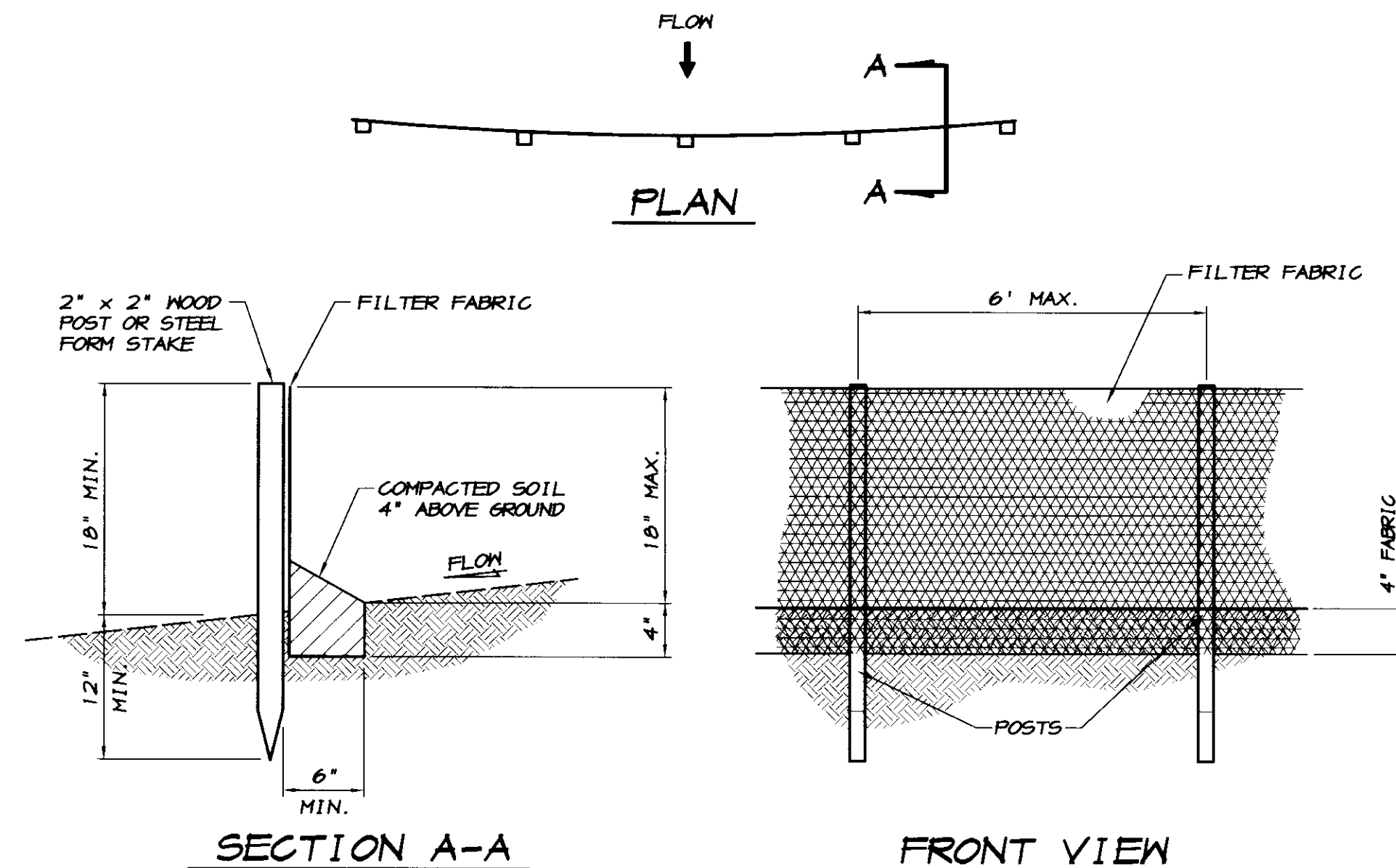
NOTES

1. PLACE BALES IN 4 INCH DEEP TRENCH ALONG THE CONTOUR OF THE SLOPE IN THE SHAPE OF AN ARC WITH THE ENDS UPHILL OF THE ARC'S CENTER. BALES SHALL BE PLACED SO THAT BINDINGS ARE HORIZONTAL.
2. BALES SHALL BE ANCHORED BY TWO 2" x 2" STAKES OR #4 J-BAR DRIVEN THROUGH THE BALES AND IN TO THE GROUND A MINIMUM DEPTH OF 18 INCHES. STAKES OR J-BARS SHALL BE DRIVEN 1 INCH OR MORE BELOW THE TOP OF THE BALES. THE FIRST STAKE OR J-BAR IN EACH BALE SHALL BE DRIVEN AT AN ANGLE TOWARDS THE PREVIOUSLY LAID BALES TO FORCE THE BALES TIGHTLY ABUTTED TOGETHER.
3. AFTER BALES ARE STAKED IN PLACE, EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE UPHILL SIDE TO A MINIMUM HEIGHT OF 4 INCHES.
4. CONTRACTOR SHALL INSPECT BALES WEEKLY AND AFTER EACH RAINFALL. REPAIRS SHALL BE MADE AS NECESSARY AND SEDIMENT SHALL BE REMOVED WHEN IT HAS ACCUMULATED TO A DEPTH OF 6 INCHES. BALES SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED, COLLAPSED OR DECOMPOSED.

SILT FENCE

STRAM BAILE BARRIER

NO SCALE



SECTION A-A

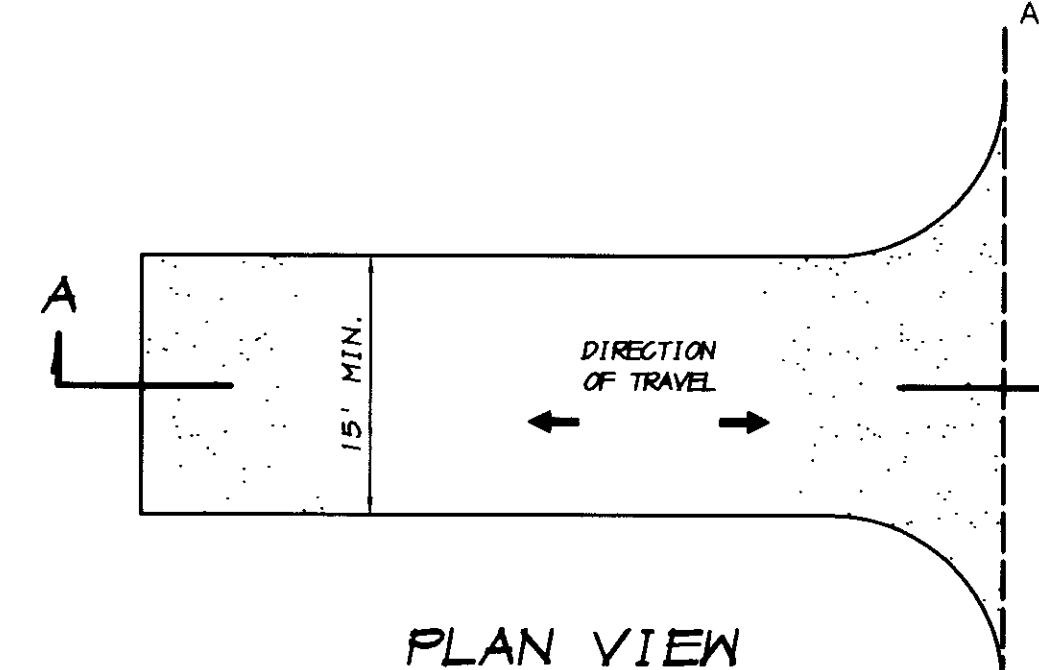
FRONT VIEW

NOTES

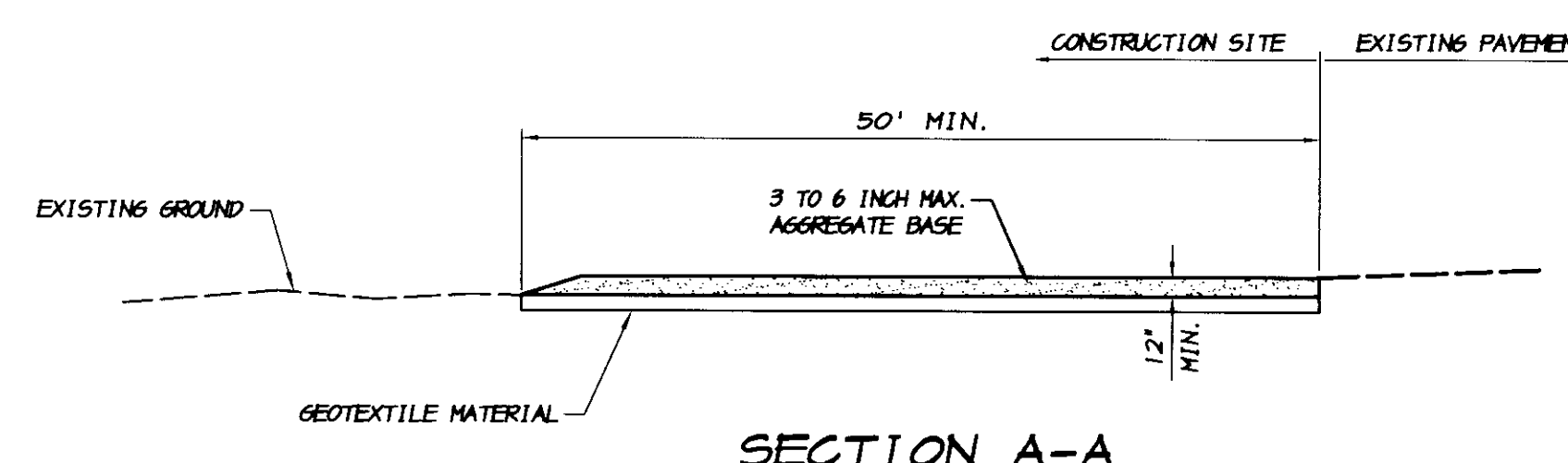
1. FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE ADMINISTRATOR.
2. FILTER FABRIC SHALL BE PROPYLENE, NYLON, POLYESTER OR ETHYLENE YARN WITH A MINIMUM TENSILE STRENGTH OF 50 LBS. PER LINEAR FOOT AT 20 PERCENT MAXIMUM ELONGATION AND CONTAINING ULTRAVIOLET INHIBITORS. FILTER FABRIC SHALL RETAIN A MINIMUM OF 85% OF THE SOIL, BY HEIGHT, BASED ON SIEVE ANALYSIS, BUT IS NOT FINER THAN AN EQUIVALENT OPENING SIZE OF 70.
3. SUPPORT POSTS SHALL BE A MINIMUM 30 INCHES LONG 2" x 2" WOOD POSTS OR STEEL FORM STAKES DRIVEN A MINIMUM OF 12 INCHES INTO THE GROUND. POSTS SHALL BE SPACED A MAXIMUM 6 FEET APART.
4. A 4 INCH FABRIC TRENCH SHALL BE EXCAVATED ALONG THE UPHILL SIDE OF FILTER BARRIER POSTS. THE BOTTOM EDGE OF THE FABRIC SHALL EXTEND TO AND ACROSS THE BOTTOM OF THE TRENCH. THE TRENCH SHALL BE BACK FILLED TO 4 INCHES ABOVE GROUND AND COMPACTED TO BURY AND SECURE THE BOTTOM OF THE FILTER FABRIC.
5. 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 THIRD THE HEIGHT OF THE FILTER FABRIC.

SILT FENCE FILTER BARRIER

NO SCALE



PLAN VIEW



SECTION A-A

NOTES

1. STABILIZED CONSTRUCTION SITE ACCESS SHALL BE CONSTRUCTED OF 3" TO 6" MAX. AGGREGATE BASE MATERIAL CONFORMING TO CITY OR COUNTY STANDARDS. MATERIAL SHALL BE PLACED TO A MINIMUM THICKNESS OF 12". THE METHOD OF PLACING, SPREADING AND COMPACTING AGGREGATE BASE MATERIAL SHALL CONFORM TO SECTION 26 OF THE STATE SPECIFICATIONS.
2. LENGTH OF ENTRANCE SHALL BE A MINIMUM OF 50 FEET. WIDTH SHALL BE A MIN. OF 15 FEET OR GREATER IF NECESSARY TO COVER ALL VEHICULAR INGRESS AND EGRESS. PROVIDE AMPLE TURNING RADIUS.
3. THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH AGGREGATE BASE MATERIAL.
4. ACCESS 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.

STABILIZED CONSTRUCTION

SITE ACCESS

NO SCALE

RECORD DRAWING

Corrected by: *R. Carrel*
 No Changes By: *R. Carrel*
 Date: *7/12/2009*
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Of Work

TRACT NO. 3475
EROSION CONTROL DETAILS
 NORTHEAST SEWER STORAGE POND
OAKWOOD LAKE SUBDIVISION
 SAN JOAQUIN COUNTY CALIFORNIA

R. Carrel
 RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126

REGISTERED PROFESSIONAL ENGINEER
 RYAN D. CARREL
 No. 61619
 Exp. 6-30-07
 CIVIL
 STATE OF CALIFORNIA

DRAWN BY: KEVIN
 DATE: AUG. 16, 2006
 SCALE: NOTED
 DWG: 296L/EROSION
 CHECKED: R. D. C.
 JOB #: 296L-06

SHEET
 OF 5

SU 4777 4272

ASSOCIATED
 ENGINEERING, INC.
 Surveying • Design • Planning
 4206 TECHNOLOGY DRIVE
 MODESTO, CALIFORNIA 95356
 PH: (209) 545-3390 FAX: (209) 545-3875



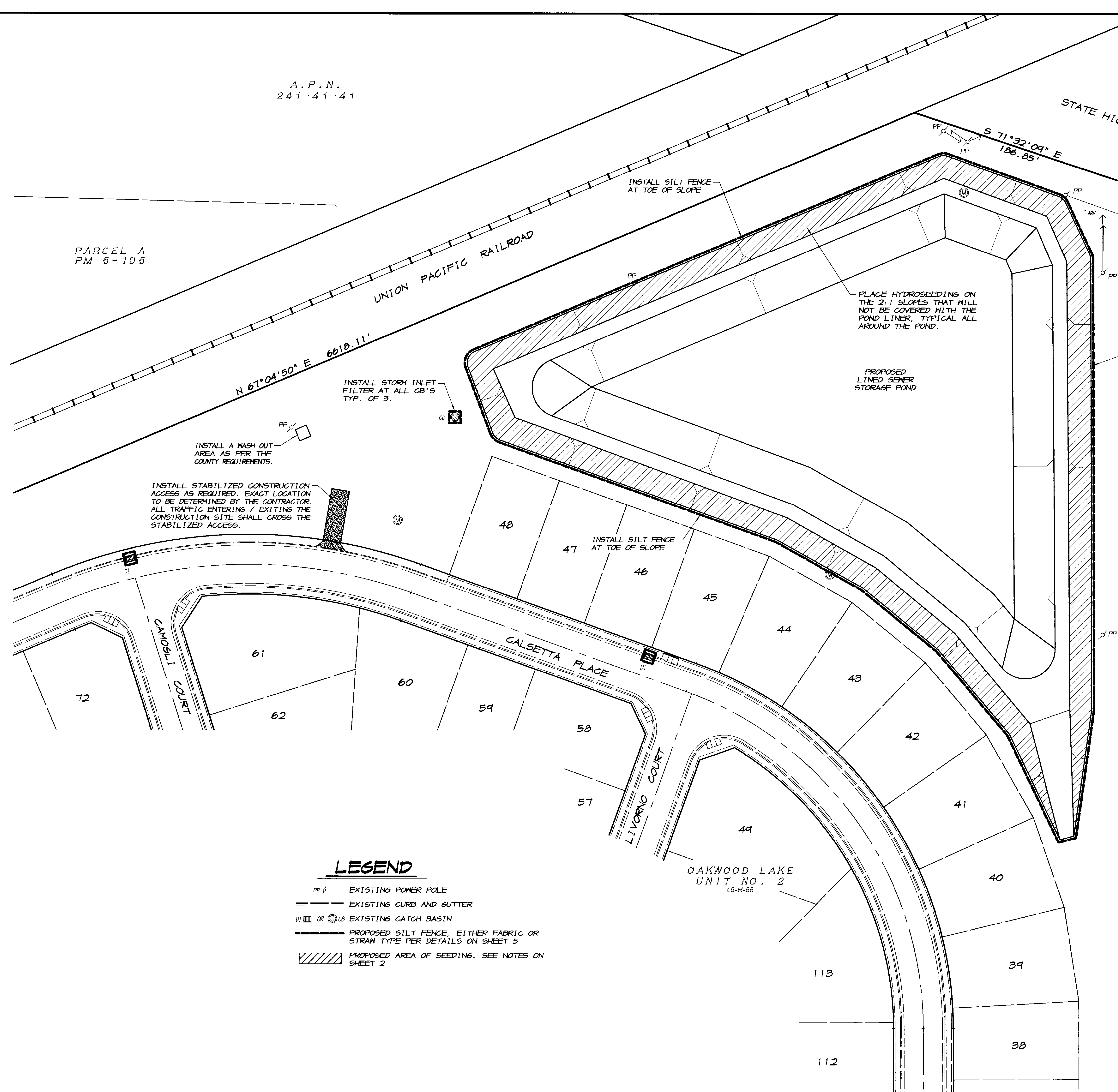
A.P.N.
241-41-41

PARCEL A
PM 5-105

STATE HIGHWAY ROUTE NO. 120
S 71°32'09" E
186.85'

UNION PACIFIC RAILROAD
N 67°04'50" E
6610.11'

PARCEL A
PM 12-170



INSTALL STORM INLET FILTER AT ALL CB'S TYP. OF 3.

INSTALL A WASH OUT AREA AS PER THE COUNTY REQUIREMENTS.

INSTALL STABILIZED CONSTRUCTION ACCESS AS REQUIRED. EXACT LOCATION TO BE DETERMINED BY THE CONTRACTOR. ALL TRAFFIC ENTERING / EXITING THE CONSTRUCTION SITE SHALL CROSS THE STABILIZED ACCESS.

INSTALL SILT FENCE AT TOE OF SLOPE

PLACE HYDROSEEDING ON THE 2:1 SLOPES THAT WILL NOT BE COVERED WITH THE POND LINER, TYPICAL ALL AROUND THE POND.

PROPOSED LINED SEWER STORAGE POND

INSTALL SILT FENCE AT TOE OF SLOPE

INSTALL SILT FENCE AT TOE OF SLOPE

- LEGEND**
- PP ⚡ EXISTING POWER POLE
 - EXISTING CURB AND GUTTER
 - DI □ OR CB EXISTING CATCH BASIN
 - PROPOSED SILT FENCE, EITHER FABRIC OR STRAIN TYPE PER DETAILS ON SHEET 5
 - ▨ PROPOSED AREA OF SEEDING. SEE NOTES ON SHEET 2



RECORD DRAWING
 Corrections by: _____
 No Changes By: *R. Carrel*
 Date: *3/12/2008*
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Of Work

**CALL USA TOLL FREE
800-227-2600**

BEFORE PLANTING TREES, TRENCHING, DIGGING FENCE POST HOLES, BLASTING, GRADING, EXCAVATING, DRILLING, PIPE PUSHING, ETC., CALL UNDERGROUND SERVICE ALERT FOR UNDERGROUND CLEARANCE.
 USA WILL PROVIDE INFORMATION ABOUT, OR LOCATE AND MARK UNDERGROUND FACILITIES FOR YOU.

REVISION	DATE	DESCRIPTION

ASSOCIATED ENGINEERING, INC.
 Surveying - Design - Planning
 4286 TECHNOLOGY DRIVE
 MODESTO, CALIFORNIA 95356
 PH: (209) 545-3390 FAX: (209) 545-3875



TRACT NO. 3475
EROSION CONTROL PLAN
 NORTHEAST SEWER STORAGE POND
OAKWOOD LAKE SUBDIVISION
 SAN JOAQUIN COUNTY CALIFORNIA

R. Carrel
 RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126



DRAWN BY: KEVIN
 DATE: AUG. 16, 2006
 SCALE: 1"=40'
 DWG: 246L.EROSION
 CHECKED: R. D. C.
 JOB # 246L-06

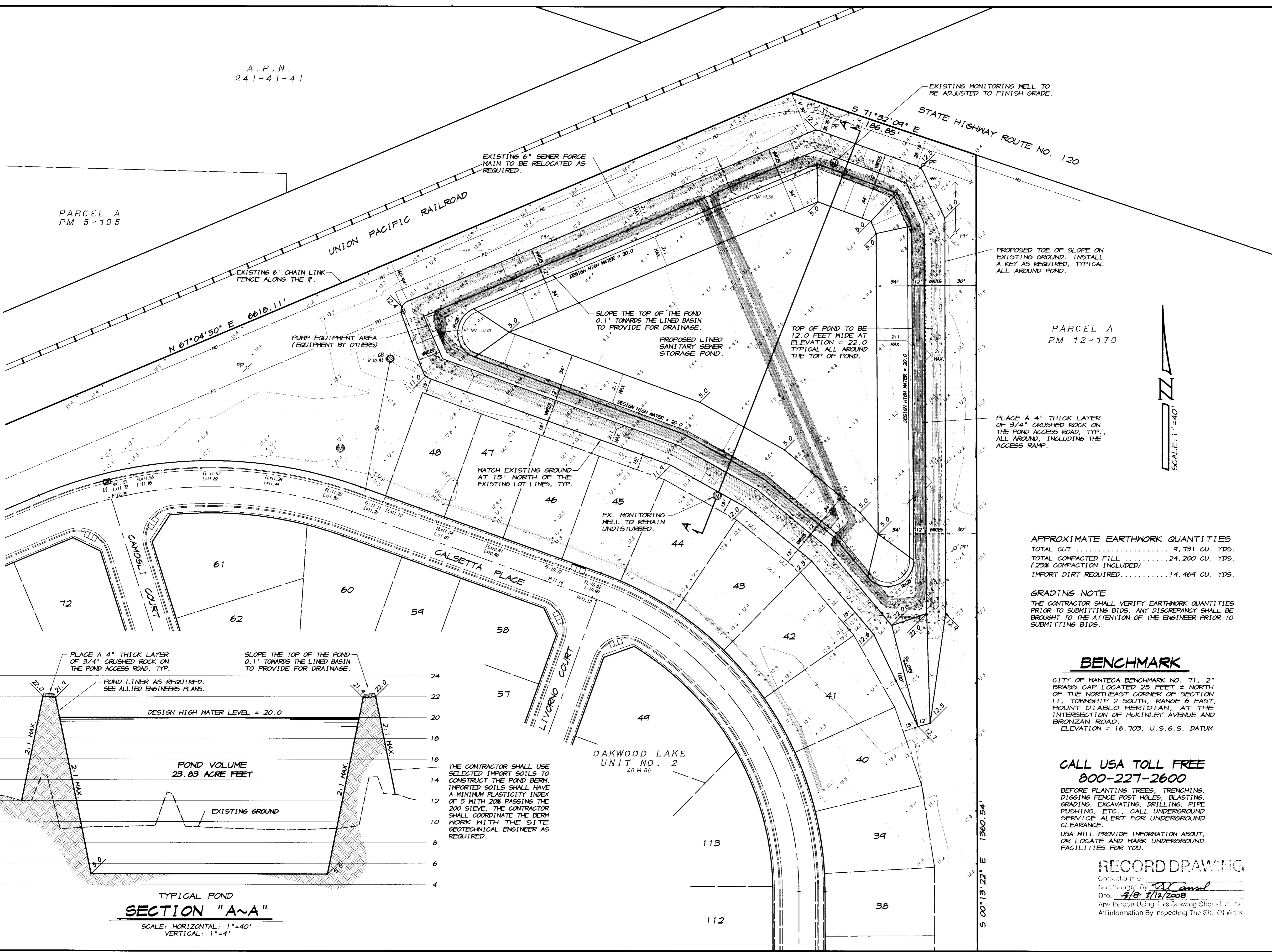
SHEET
4
 OF
5

S 00°13'22" E 1360.54'

A.P.N.
241-41-41

PARCEL A
PM 5-105

PARCEL A
PM 12-170



EXISTING MONITORING WELL TO BE ADJUSTED TO FINISH GRADE.
STATE HIGHWAY ROUTE NO. 120
S 71°32'09" E
126.85'

EXISTING 6' CHAIN LINK FENCE ALONG THE E.
UNION PACIFIC RAILROAD
N 67°04'50" E 6618.11'

EXISTING 6" SEWER FORCE MAIN TO BE RELOCATED AS REQUIRED.

PUMP EQUIPMENT AREA (EQUIPMENT BY OTHERS)

SLOPE THE TOP OF THE POND 0.1' TOWARDS THE LINED BASIN TO PROVIDE FOR DRAINAGE.

PROPOSED LINED SANITARY SEWER STORAGE POND.

TOP OF POND TO BE 12.0 FEET WIDE AT ELEVATION = 22.0 TYPICAL ALL AROUND THE TOP OF POND.

PROPOSED TOE OF SLOPE ON EXISTING GROUND. INSTALL A KEY AS REQUIRED, TYPICAL ALL AROUND POND.



PLACE A 4" THICK LAYER OF 3/4" CRUSHED ROCK ON THE POND ACCESS ROAD, TYP. ALL AROUND, INCLUDING THE ACCESS RAMP.

MATCH EXISTING GROUND AT 15' NORTH OF THE EXISTING LOT LINES, TYP.

EX. MONITORING WELL TO REMAIN UNDISTURBED.

APPROXIMATE EARTHWORK QUANTITIES
TOTAL CUT 9,731 CU. YDS.
TOTAL COMPACTED FILL 24,200 CU. YDS.
(25% COMPACTION INCLUDED)
IMPORT DIRT REQUIRED 14,469 CU. YDS.

GRADING NOTE
THE CONTRACTOR SHALL VERIFY EARTHWORK QUANTITIES PRIOR TO SUBMITTING BIDS. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO SUBMITTING BIDS.

BENCHMARK

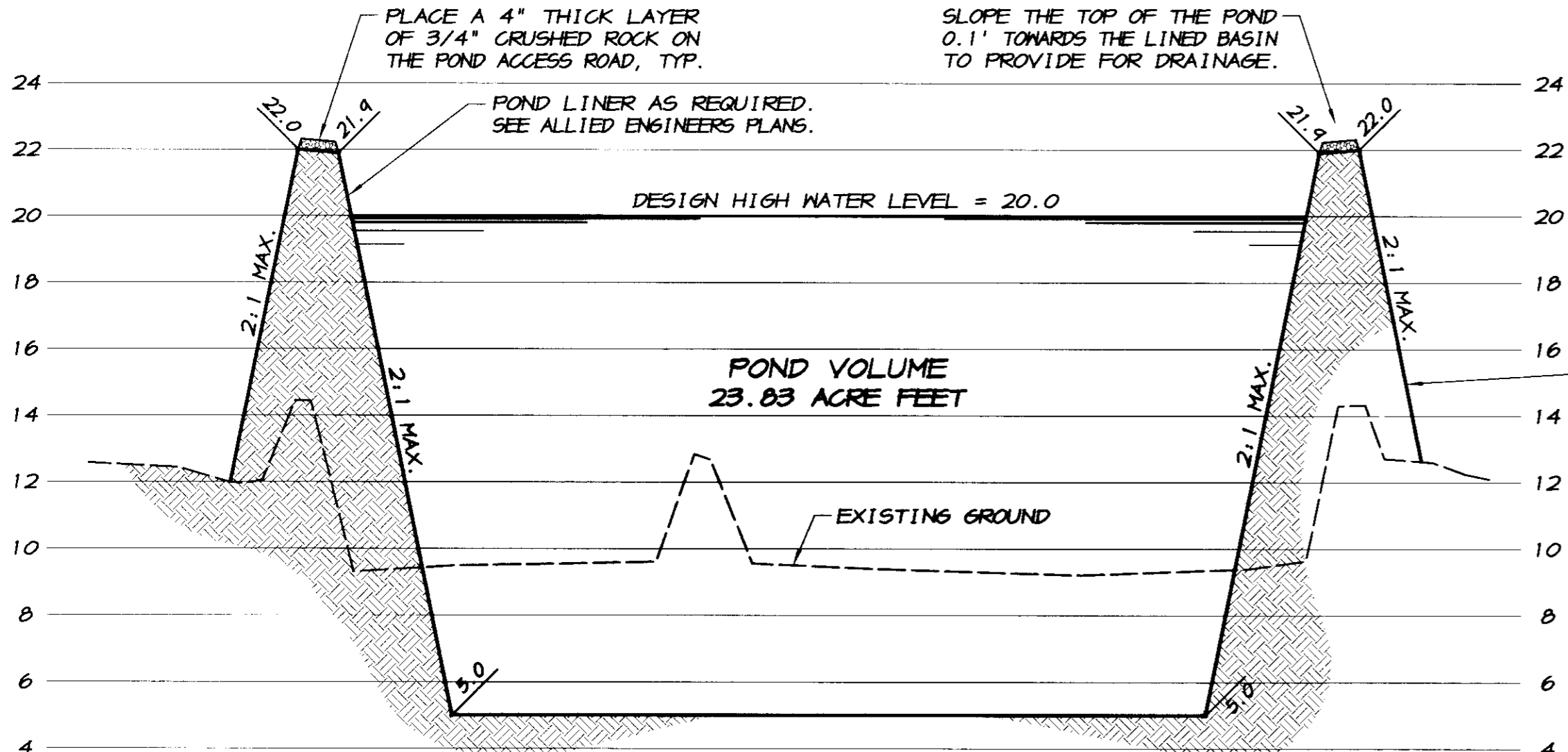
CITY OF MANTEGA BENCHMARK NO. 71, 2" BRASS CAP LOCATED 25 FEET ± NORTH OF THE NORTHEAST CORNER OF SECTION 11, TOWNSHIP 2 SOUTH, RANGE 6 EAST, MOUNT DIABLO MERIDIAN, AT THE INTERSECTION OF MCKINLEY AVENUE AND BRONZAN ROAD.
ELEVATION = 16.703, U.S.G.S. DATUM

CALL USA TOLL FREE
800-227-2600

BEFORE PLANTING TREES, TRENCHING, DIGGING FENCE POST HOLES, BLASTING, GRADING, EXCAVATING, DRILLING, PIPE PUSHING, ETC., CALL UNDERGROUND SERVICE ALERT FOR UNDERGROUND CLEARANCE.
USA WILL PROVIDE INFORMATION ABOUT, OR LOCATE AND MARK UNDERGROUND FACILITIES FOR YOU.

RECORD DRAWING

Contractor: RD Camel
No. Changes By: RD Camel
Date: 8/13/2008
Any Person Using This Drawing Should Verify All Information By Inspecting The Site. Of Work



TYPICAL POND SECTION "A~A"
SCALE: HORIZONTAL: 1"=40'
VERTICAL: 1"=4'

THE CONTRACTOR SHALL USE SELECTED IMPORT SOILS TO CONSTRUCT THE POND BERM. IMPORTED SOILS SHALL HAVE A MINIMUM PLASTICITY INDEX OF 5 WITH 20% PASSING THE 200 SIEVE. THE CONTRACTOR SHALL COORDINATE THE BERM WORK WITH THE SITE GEOTECHNICAL ENGINEER AS REQUIRED.

OAKWOOD LAKE UNIT NO. 2
40-44-66

BY	
DATE	
REVISION	
DESCRIPTION	

ASSOCIATED ENGINEERING, INC.
Surveying • Design • Planning
4206 TECHNOLOGY DRIVE
MODESTO, CALIFORNIA 95356
PH: (209) 545-3390 FAX: (209) 545-3875

TRACT NO. 3475
SEWER POND GRADING PLAN
NORTHEAST SEWER STORAGE POND
OAKWOOD LAKE SUBDIVISION
SAN JOAQUIN COUNTY CALIFORNIA

RD Camel
RYAN CARREL, R.C.E. 61619
DAVE SKIDMORE, L.S. 7126

REGISTERED PROFESSIONAL ENGINEER
No. 61619
Exp. 6-30-07
CIVIL
STATE OF CALIFORNIA

DRAWN BY: KEVIN
DATE: AUG. 16, 2006
SCALE: 1"=40'
DWG: 296L-PONDS
CHECKED: R.D.C.
JOB #: 296L-06

SHEET
3
OF
5

SPECIFICATIONS

1. ALL IMPROVEMENTS TO BE DONE SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE LATEST EDITION OF THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS AND THE LATEST EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, AND THE REQUIREMENTS OF THE OAKWOOD LAKE WATER DISTRICT.
2. BENCHMARK: CITY OF MANTEGA BENCHMARK NO. 71, 2" BRASS CAP LOCATED APPROXIMATELY 25 FEET NORTH OF THE NORTHEAST CORNER OF SECTION 11, TOWNSHIP 2 SOUTH, RANGE 6 EAST, MOUNT DIABLO MERIDIAN, AT THE INTERSECTION OF MCKINLEY AVENUE AND BRONZAN ROAD.
ELEVATION = 16.703, U.S.G.S. DATUM.
3. SOILS REPORT: THE GEOTECHNICAL SERVICES REPORT FOR THE PROPOSED OAKWOOD LAKE DEVELOPMENT, WOODWARD AVENUE, MANTEGA, CALIFORNIA, AS PREPARED BY KLEINFELDER, INC., WITH PROJECT NO. 48043.601, DATED OCTOBER 27, 2004, IS HEREBY MADE A PART OF THESE PLANS.
4. THESE PLANS HAVE BEEN CHECKED BY THE COUNTY OF SAN JOAQUIN AND/OR ITS AUTHORIZED REPRESENTATIVE, BUT SUCH CHECKING AND/OR APPROVAL DOES NOT RELIEVE THE DEVELOPER FROM HIS RESPONSIBILITY TO CORRECT ERRORS, OMISSIONS OR MAKE CHANGES REQUIRED BY CONDITIONS DISCOVERED IN THE FIELD DURING THE COURSE OF CONSTRUCTION.
5. THE CONTRACTOR SHALL KEEP HIMSELF FULLY INFORMED OF ALL EXISTING AND FUTURE STATE AND FEDERAL LAWS AND ALL COUNTY, MUNICIPAL AND SPECIAL DISTRICT ORDINANCES AND REGULATIONS WHICH IN ANY MANNER AFFECT THOSE ENGAGED OR EMPLOYED IN THE WORK OR THE MATERIALS USED IN THE WORK, OR WHICH IN ANY WAY AFFECT THE CONDUCT OF THE WORK, AND OF ALL SUCH ORDERS AND DECREES OF BODIES OR TRIBUNALS HAVING ANY JURISDICTION OR AUTHORITY OVER THE SAME. THE CONTRACTOR SHALL AT ALL TIMES OBSERVE AND COMPLY WITH, AND SHALL CAUSE ALL HIS AGENTS AND EMPLOYEES TO OBSERVE AND COMPLY WITH ALL SUCH EXISTING AND FUTURE LAWS, ORDINANCES, REGULATIONS, ORDERS AND DECREES OF BODIES OR TRIBUNALS HAVING ANY JURISDICTION OR AUTHORITY OVER THE WORK; AND SHALL PROTECT AND INDEMNIFY SAN JOAQUIN COUNTY AND THE OWNER, AND ALL OFFICERS AND EMPLOYEES THEREOF CONNECTED WITH THE WORK, INCLUDING THE ENGINEER, AGAINST ANY CLAIM OR LIABILITY ARISING FROM OR BASED ON THE VIOLATION OF ANY SUCH LAW, ORDINANCE, REGULATION, ORDER, OR DECREE, WHETHER BY HIMSELF OR HIS EMPLOYEES. IF ANY DISCREPANCY OR INCONSISTENCY IS DISCOVERED IN THE PLANS, SPECIFICATIONS, OR CONTRACT FOR THE WORK IN RELATION TO ANY SUCH LAW, ORDINANCE, REGULATION, ORDER, OR DECREE THE CONTRACTOR SHALL FORTHWITH REPORT THE SAME TO THE ENGINEER IN WRITING.
6. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY WORK PERFORMED BY THE CONTRACTOR OR OWNER BASED ON PLANS WHICH HAVE NOT BEEN SIGNED AND SEALED BY THE ENGINEER AND APPROVED BY THE DISTRICT, CITY OR COUNTY HAVING JURISDICTION. ALL INFORMATION SHOWN ON PRELIMINARY DRAWINGS IS SUBJECT TO CORRECTION AND CHANGE, AND THE CONTRACTOR OR OWNER SHALL PERFORM ANY AND ALL WORK AT THEIR OWN RISK.
7. ALL DISTANCES AND MEASUREMENTS ARE GIVEN AND WILL BE MADE IN A HORIZONTAL PLANE. GRADE WILL BE GIVEN FROM THE TOP OF NAILS OR STAKES UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL PRESERVE ALL POINTS AND STAKES SET FOR LINES AND MEASUREMENTS OF THE WORK, IN THEIR PROPER LOCATION UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ALL EXPENSES INCURRED IN REPLACING STAKES THAT HAVE BEEN REMOVED WITHOUT PROPER AUTHORITY SHALL BE PAID FOR BY THE GENERAL CONTRACTOR.
8. THESE PLANS HAVE BEEN PREPARED WITH THE INTENT THAT ASSOCIATED ENGINEERING GROUP, INC. WILL PERFORM THE CONSTRUCTION STAKING FOR THIS PROJECT. THE CONTRACTOR SHALL PROVIDE ASSOCIATED ENGINEERING GROUP, INC. WITH FORTY EIGHT HOURS ADVANCE NOTICE OF STAKING NEEDS. ANY STAKING REQUESTED BY THE CONTRACTOR OR THEIR SUBCONTRACTORS THAT IS ABOVE AND BEYOND THE AGREED UPON STAKING REQUEST SHALL BE SUBJECT TO AN EXTRA BACK CHARGE TO THE CONTRACTOR / CLIENT. IF ANOTHER FIRM OR AGENCY IS EMPLOYED TO USE THESE PLANS FOR THE PURPOSE OF CONSTRUCTION STAKING, NOTICE IS HEREBY GIVEN THAT ASSOCIATED ENGINEERING GROUP, INC. WILL NOT ASSUME ANY RESPONSIBILITY FOR ERRORS OR OMISSIONS, IF ANY, WHICH MIGHT OCCUR AND WHICH COULD HAVE BEEN AVOIDED, CORRECTED OR MITIGATED IF ASSOCIATED ENGINEERING GROUP, INC. HAD PERFORMED THE STAKING WORK.
9. 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 ONLY MATERIALS AND WORKMANSHIP OF THE FINEST QUALITY ARE TO BE USED.
10. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA WATER RESOURCES CONTROL BOARD (SWRCB), ORDER NO. 92-06-DWG, NPDES GENERAL PERMIT NO. CAS000002. THE CONTRACTOR SHALL IMPLEMENT AND MONITOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE SWRCB REGULATIONS.
11. THE CONTRACTOR SHALL COMPLY WITH ALL LOCAL, STATE, AND FEDERAL SAFETY REGULATIONS PERTAINING TO HIS OPERATIONS. HE SHALL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAG MEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY. THE CONTRACTOR'S ATTENTION IS CALLED TO THE REQUIREMENTS OF TITLE 8 OF THE CALIFORNIA ADMINISTRATIVE CODE, SUBCHAPTER 4, ARTICLE 8, "EXCAVATIONS, TRENCHES, EARTHWORK."
12. THE CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER, THE ENGINEER AND SAN JOAQUIN COUNTY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
13. APPROPRIATE DUST CONTROL SHALL BE PROVIDED FOR THE ALLEVIATION OR PREVENTION OF DUST NUISANCE AS REQUIRED BY THE COUNTY OF SAN JOAQUIN, AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL IMPLEMENT A DUST CONTROL PROGRAM AS PART OF THE MEASURES REQUIRED BY THE E.I.R. (CHAPTER 4.6) FOR AIR QUALITY CONTROL, AND THE REQUIREMENTS OF PM 10 AND THE BEST AVAILABLE CONTROL MEASURES (BACM) APPROVED BY THE BOARD. THE PROGRAM SHALL INSURE THAT, AT THE PUBLIC WORKS DIRECTOR'S DISCRETION, A WATER VEHICLE FOR DUST CONTROL OPERATIONS IS KEPT READILY AVAILABLE AT ALL TIMES DURING CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE PUBLIC WORKS DIRECTOR AND BUILDING OFFICIAL WITH THE NAME AND TELEPHONE NUMBER OF THE PERSON DIRECTLY RESPONSIBLE FOR DUST CONTROL AND OPERATION OF THE WATER VEHICLE.
14. THE EXISTING UTILITIES ARE PLOTTED FROM AVAILABLE RECORDS OR FIELD LOCATIONS WHEN POSSIBLE. THE CONTRACTOR SHALL LOCATE AND PRESERVE ALL EXISTING FACILITIES INCLUDING GAS, WATER, IRRIGATION, POWER, TELEPHONE, SEWER OR OTHERS WHICH MAY BE PRESENT IN THE AREA OF CONSTRUCTION. THE RESPECTIVE UTILITY COMPANIES SHALL BE NOTIFIED PRIOR TO BEGINNING WORK.
15. THE EXISTING UTILITIES SHALL NOT BE INTERRUPTED UNTIL THE UTILITY COMPANY HAS PROVIDED ALTERNATIVE SERVICE FACILITIES. THE CONTRACTOR SHALL COOPERATE AND COORDINATE HIS WORK WITH THE APPROPRIATE AGENCIES AND UTILITY COMPANIES.
16. ALL CONSTRUCTION STAKING FOR GRADING SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
17. ALL TRENCHES SHALL BE BACKFILLED IN ACCORDANCE WITH SAN JOAQUIN COUNTY STANDARD DETAILS. COMPACTION SHALL BE ACHIEVED BY MECHANICAL MEANS. NO FLOODING, PONDING, OR JETTING SHALL BE PERMITTED UNLESS APPROVED BY THE DIRECTOR OF PUBLIC WORKS IN WRITING.
18. TESTING: ALL INDEPENDENT LABORATORY INSPECTIONS CALLED FOR BY THE DIRECTOR OF PUBLIC WORKS WILL BE PAID FOR BY THE DEVELOPER OR CONTRACTOR.
19. IF, DURING CONSTRUCTION, ARCHAEOLOGICAL REMAINS ARE ENCOUNTERED, CONSTRUCTION IN THE VICINITY SHALL BE HALTED, AND AN ARCHAEOLOGIST CONSULTED, AND THE COUNTY PUBLIC WORKS DEPARTMENT NOTIFIED. IF, IN THE OPINION OF THE ARCHAEOLOGIST, THE REMAINS ARE SIGNIFICANT, MEASURES AS MAY BE REQUIRED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE TAKEN TO PROTECT THEM.
20. DISPOSAL OF WATER INTO THE SANITARY SEWER SYSTEM IS STRICTLY PROHIBITED.
21. THE CONTRACTOR SHALL MAINTAIN ALL STREETS, SIDEWALKS, AND ALL OTHER PUBLIC RIGHTS-OF-WAY IN A CLEAN, SAFE AND USABLE CONDITION THROUGHOUT THE COURSE OF CONSTRUCTION. ALL SPILLS OF SOIL, ROCK, CONSTRUCTION DEBRIS, ETC., SHALL BE REMOVED IMMEDIATELY FROM PUBLICLY OWNED PROPERTY. ALL ADJACENT PROPERTY, PRIVATE OR PUBLIC, SHALL BE MAINTAINED IN A CLEAN, SAFE AND USABLE CONDITION. THE CONTRACTOR SHALL PROVIDE FOR SAFE UNOBSTRUCTED ACCESS TO PRIVATE PROPERTY ADJACENT TO WORK THROUGHOUT THE PERIOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE THE PUBLIC WORKS DEPARTMENT THE NAME AND TELEPHONE NUMBER OF PERSON AVAILABLE 24 HOURS A DAY IF PROBLEMS OR CONDITION IS NOT MET.
22. ALL TRASH, CONSTRUCTION DEBRIS AND MATERIALS SHALL BE CONTAINED WITHIN THE CONSTRUCTION AREA UNTIL OFF-SITE DISPOSAL CAN BE ARRANGED.
23. THE CONTRACTOR SHALL KEEP ADJOINING PUBLIC STREETS AND PARKING AREAS FREE AND CLEAN OF PROJECT DIRT, MUD AND MATERIALS DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECTIVE MEASURES AS DIRECTED BY THE PUBLIC WORKS INSPECTOR AT NO EXPENSE TO THE COUNTY.
24. THE APPLICANT SHALL ALERT CONSTRUCTION PERSONNEL OF THE POSSIBILITY OF BURIED CULTURAL RESOURCES, HUMAN REMAINS AND OTHER SUCH CULTURAL RESOURCES AND SHALL IMMEDIATELY COMPLY WITH ALL REQUIREMENTS CONTAINED IN THE EIR, INCLUDING THE STOPPAGE OF ALL WORK, NOTIFICATION OF THE NATIVE AMERICAN HERITAGE COMMISSION AND THE SAN JOAQUIN COUNTY CORONER, AS APPLICABLE.

GRADING NOTES

26. ALL GRADING SHALL BE INSPECTED AND TESTED BY A QUALIFIED SOILS ENGINEER OR UNDER THEIR DIRECTION. THE SOILS ENGINEER SHALL INSPECT AND TEST THE PLACEMENT OF FILLS. THE SOILS ENGINEER SHALL SUBMIT A SOILS REPORT AND REQUIREMENTS AND WILL DETERMINE THE SUITABILITY OF ANY FILL MATERIAL. UPON COMPLETION OF GRADING OPERATIONS THE SOILS ENGINEER SHALL STATE IN A REPORT TO THE COUNTY OF SAN JOAQUIN THAT INSPECTIONS AND TESTS WERE MADE BY HIM OR UNDER HIS SUPERVISION AND THAT IN HIS OPINION ALL FILLS ARE COMPACTED TO THE REQUIRED RELATIVE DENSITY AND ARE ACCEPTABLE FOR THEIR INTENDED USE.
27. THE CONTRACTOR SHALL LIMIT TRAFFIC SPEEDS ON ANY UNPAVED SURFACES TO 15 MILES PER HOUR TO LOWER THE AMOUNT OF DUST CREATED.
28. THE CONTRACTOR SHALL SUSPEND EXCAVATION AND GRADING ACTIVITIES WHEN THE WINDS EXCEED 20 MILES PER HOUR.
29. DEVELOPER/CONTRACTOR'S WORK SHALL BE IN ACCORDANCE WITH THE SJVAPCD GUIDELINES, INCLUDING SJVAPCD REGULATION VIII AND IMPLEMENT CONTROL MEASURES BASED ON SJVAPCD'S COMPLIANCE ASSISTANT BULLETIN FOR SHORT TERM IMPACTS. SJVAPCD SHALL BE CONTACTED TO DISCUSS MITIGATION MEASURES AND IMPLEMENT MEASURES FROM TABLE 6-4 OF THE GUIDE FOR ASSESSING AND MITIGATING AIR QUALITY IMPACTS.
30. ALL GRADING SHALL COMPLY WITH THE CALIFORNIA BUILDING CODE, CHAPTER 10, APPENDIX C CHAPTER 13.
31. NO SLOPE SHALL BE STEEPER THAN 2 HORIZONTAL TO 1 VERTICAL.
32. ACCESS TO THE PROJECT SITE FROM COUNTY OR CITY ROADS IS RESTRICTED EXCEPT AT TEMPORARY CONSTRUCTION ENTRANCES.

EROSION CONTROL NOTES

33. ALL WORK TO BE DONE SHALL BE DONE IN ACCORDANCE WITH THE COUNTY OF SAN JOAQUIN STANDARDS AND THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMPs) MANUAL. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT ALL SUBCONTRACTORS, AND SUPPLIERS ARE AWARE OF, AND IMPLEMENT ALL STORM WATER QUALITY MEASURES. FAILURE TO COMPLY WITH THE APPROVED CONSTRUCTION BMPs WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS AND/OR A PROJECT STOP ORDER.
34. THIS EROSION CONTROL PLAN WAS PREPARED AS AN EXHIBIT TO THE STORM WATER POLLUTION PREVENTION PLAN (S.W.P.P.P.) FOR THE OAKWOOD LAKE SUBDIVISION, AS REQUIRED BY THE STATE WATER RESOURCES CONTROL BOARD. THE FACILITIES SHOWN ON THIS PLAN ARE DESIGNED TO CONTROL SEDIMENT DURING THE RAINY SEASON AFTER ROUGH GRADING HAS BEEN COMPLETED. EROSION CONTROL MEASURES ARE TO BE OPERABLE PRIOR TO OCTOBER 15TH THROUGH APRIL 15TH OF ANY YEAR THAT GRADING OPERATIONS HAVE LEFT AREAS UNPROTECTED FROM EROSION. NO GRADING WILL OCCUR BETWEEN OCTOBER 15TH AND APRIL 15TH, UNLESS AUTHORIZED BY THE DIRECTOR OF PUBLIC WORKS. DESIGN OF THESE FACILITIES MUST BE APPROVED OR UPDATED EACH YEAR PRIOR TO SEPTEMBER 30, AND SHALL BE SIGNED BY THE COUNTY ENGINEER. DAILY MAINTENANCE OF THESE FACILITIES SHALL BE MONITORED AND INSPECTED BY THE PROJECT COORDINATOR.
35. DURING THE RAINY SEASON ALL PAVED AREAS SHALL BE KEPT CLEAR OF EARTH MATERIALS AND DEBRIS. THE SITE SHALL BE MAINTAINED SO AS TO MINIMIZE SEDIMENT LOADS RUNOFF TO ANY STORM DRAINAGE SYSTEM.
36. CONSTRUCTION ENTRANCES CONSISTING OF AGGREGATE ON GEOTEXTILE FABRIC, AS PER THE DETAIL, SHALL BE PROVIDED AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED ROADS.
37. ALL EROSION CONTROL MEASURES SHALL BE MAINTAINED UNTIL DISTURBED AREAS ARE STABILIZED. THIS PLAN MAY NOT COVER ALL THE SITUATIONS THAT ARISE DURING CONSTRUCTION DUE TO UNANTICIPATED FIELD CONDITIONS. REVISIONS MAY BE MADE TO THE PLAN IN THE FIELD SUBJECT TO THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
38. BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
39. CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION WILL BE MINIMIZED. STATE AND LOCAL LAWS CONCERNING POLLUTION SHALL BE COMPLIED WITH.
40. PRIOR TO THE COMMENCEMENT OF ANY CLEARING, GRADING OR EXCAVATION, THE CONTRACTOR/DEVELOPER SHALL PROVIDE EVIDENCE THAT A NOTICE OF INTENT (NOI) HAS BEEN SUBMITTED TO THE CALIFORNIA STATE WATER RESOURCES CONTROL BOARD. A COPY OF THE SWPPP SHALL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.

SILT FENCES

41. IF POSSIBLE, SILT FENCE FABRIC SHALL BE CUT FROM A CONTINUOUS ROLL TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER FABRIC SHALL BE SPLICED AT A SUPPORT POST, WITH A MINIMUM OF 6" OVERLAP AND BOTH ENDS SECURELY FASTENED TO THE POST.
42. SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
43. FILTER FABRIC SHALL BE NO. 2125 AS MANUFACTURED BY AMOCO CONSTRUCTION FABRICS, OR APPROVED EQUAL.

SEEDING

44. SEED AND MULCH SHALL BE APPLIED BY SEPTEMBER 15TH TO ALL DISTURBED SLOPES STEEPER THAN 2% AND HIGHER THAN 3 FEET, AND TO ALL CUT AND FILL SLOPES WITHIN OR ADJACENT TO PUBLIC RIGHT-OF-WAYS, OR AS DIRECTED BY THE DIRECTOR OF PUBLIC WORKS.
45. SEED AND FERTILIZER WILL BE APPLIED HYDRAULICALLY OR BY HAND AT THE RATES SPECIFIED BELOW. ON SLOPES STRAIN SHALL BE APPLIED BY BLOWER OR BY HAND AND ANCHORED IN PLACE BY PUNCHING.

FEEDER	POUNDS PER ACRE
ZORO ANNUAL FESCUE	10 LBS.
ROSE CLOVER	8 LBS.
HYDROMULCH FIBER	1500 LBS.
16-20-0 FERTILIZER	300 LBS.
(AMMONIUM PHOSPHATE)	
TACKIFIER	80 LBS.
46. IF PLANT GROWTH IS INADEQUATE FOR EROSION CONTROL, OVERSEED USING HALF THE RATE OF THE ORIGINAL APPLICATION. IF THE GROWTH IS OVER 60% DAMAGED, REPLANT USING THE ORIGINAL SPECIFICATIONS. THIS SHOULD BE DONE 14 TO 21 DAYS AFTER THE INITIAL PLANTING.
47. ALTERNATIVE EROSION CONTROL TECHNIQUES MUST BE USED IN THE EVENT ADEQUATE VEGETATION IS NOT ESTABLISHED PRIOR TO THE FIRST ANTICIPATED SIGNIFICANT RAIN EVENT OF THE SEASON.

WASH OUT AREA

48. TEMPORARY CONCRETE WASH OUT AREAS SHALL BE LOCATED A MINIMUM OF 50 FEET FROM STORM DRAIN INLETS, OPEN DRAINAGE FACILITIES OR WATERCOURSES. TEMPORARY CONCRETE WASHOUT AREAS SHALL BE CONSTRUCTED WITH A PIT OR BERMED AREA AND BE MAINTAINED IN SUFFICIENT QUANTITY AND SIZE TO CONTAIN ALL LIQUID AND CONCRETE WASTE GENERATED BY WASHOUT OPERATIONS. WASH OUT AREAS SHALL BE CONSTRUCTED WITH A 10 FOOT MINIMUM WIDTH.
49. ONCE CONCRETE WASTES ARE WASHED INTO THE DESIGNATED AREA AND ALLOWED TO HARDEN, THE CONCRETE SHALL BE BROKEN UP, REMOVED, AND DISPOSED OF PER BMP NH-5, "SOLID WASTE MANAGEMENT", AND IN CONFORMANCE WITH THE PROVISIONS IN THE STATE STANDARD SPECIFICATIONS, SECTION 15-3.02, "REMOVAL METHODS". DISPOSE OF HARDENED CONCRETE ON A REGULAR BASIS.
50. TEMPORARY WASH OUT AREAS SHALL BE LINED WITH POLYETHYLENE PLASTIC LINING MATERIAL THAT IS A MINIMUM OF 60 MIL THICKNESS, FREE FROM HOLES, TEARS OR OTHER DEFECTS THAT WOULD COMPROMISE THE IMPERMEABILITY OF THE MATERIAL.
51. WHEN TEMPORARY WASH OUT FACILITIES ARE NO LONGER REQUIRED FOR THE WORK, THE HARDENED CONCRETE SHALL BE REMOVED AND DISPOSED OF AS NOTED ABOVE. MATERIALS USED TO CONSTRUCT TEMPORARY WASH OUT FACILITIES SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND BE DISPOSED OF IN ACCORDANCE WITH STATE STANDARD SPECIFICATIONS, SECTION 7-1.13.

NOTICE OF INTENT

52. THE STATE WATER RESOURCES CONTROL BOARD HAS RECEIVED AND PROCESSED THE NOTICE OF INTENT TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED CONSTRUCTION ACTIVITY. THE NPID IDENTIFICATION NUMBER IS 5534C330837, FOR ANY COMMUNICATIONS REGARDING THIS PERMIT.

RECORD DRAWING

Corrections By: _____
 No Changes By: *RD*
 Date: 3/8/2008 3/12/2008
 Any Person Using This Drawing Should Verify
 All Information By Inspecting The Site Of Work

BY	DATE	REVISION	DESCRIPTION

ASSOCIATED ENGINEERING, INC.
 Surveying • Design • Planning
 4206 TECHNOLOGY DRIVE
 MODESTO, CALIFORNIA 95356
 PH: (209) 545-3390 FAX: (209) 545-3875



TRACT NO. 9475
SPECIFICATIONS
 NORTHEAST SENIOR STORAGE POND
OAKWOOD LAKE SUBDIVISION
 SAN JOAQUIN COUNTY CALIFORNIA

RD
 RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126



DRAWN BY: KEVIN
 DATE: AUG. 16, 2004
 SCALE: NONE
 DWG: 246POND.VR
 CHECKED: R.D.C.
 JOB #: 246L-06

SHEET
2
 OF
5

SEWER POND GRADING PLANS

FOR

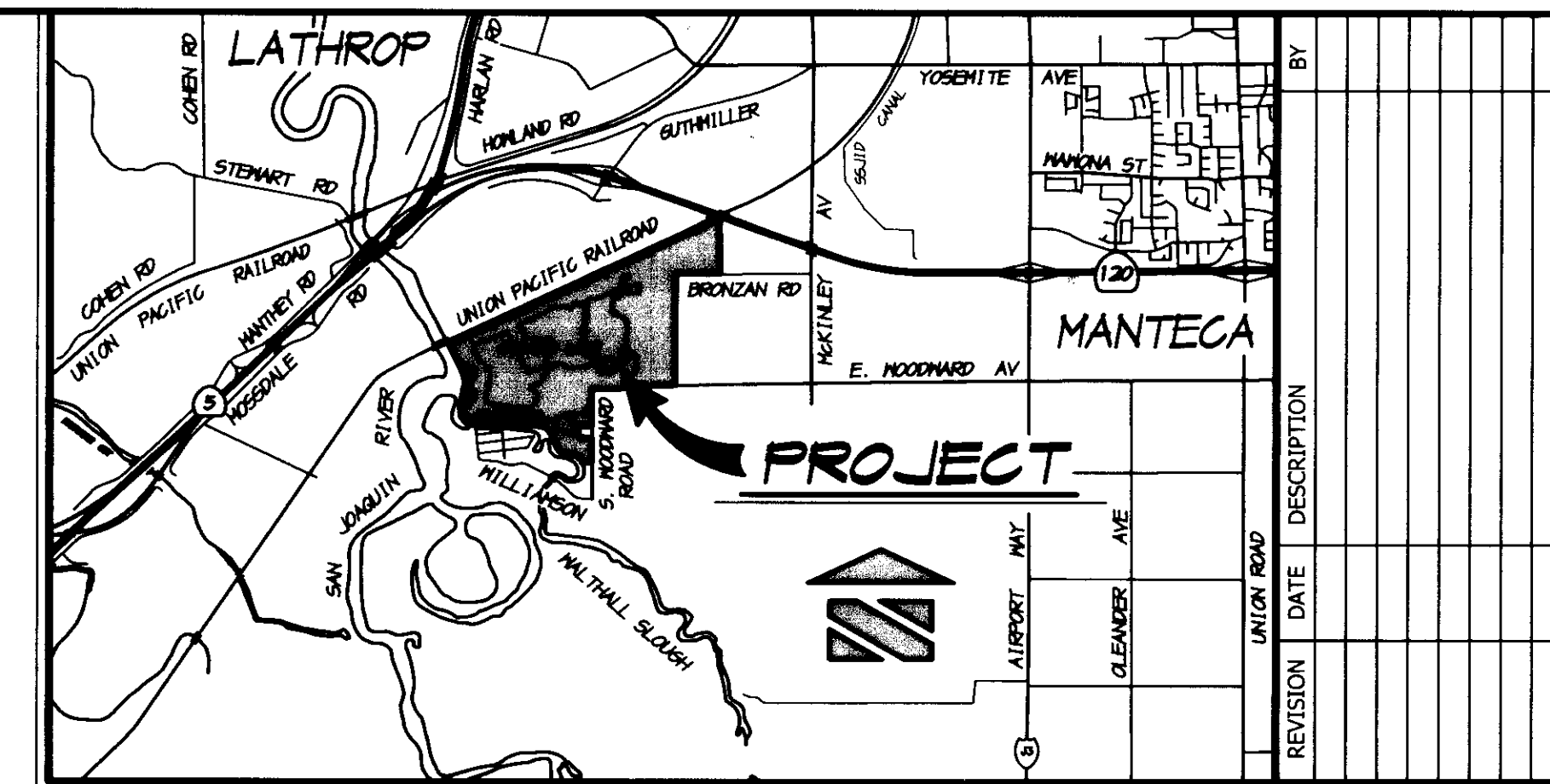
OAKWOOD LAKE SUBDIVISION

TRACT NO. 3475

SUBDIVISIONS OF SAN JOAQUIN COUNTY
 MAJOR SUBDIVISION APPLICATION NO. PA-02-98
 874 EAST WOODWARD AVENUE, MANTECA

BEING A DIVISION OF A PORTION OF SECTION 2, TOWNSHIP
 2 SOUTH, RANGE 6 EAST, MOUNT DIABLO MERIDIAN

SAN JOAQUIN COUNTY CALIFORNIA



VICINITY MAP
 NO SCALE

INDEX

SHEET NO.	DESCRIPTION
1	VICINITY MAP, INDEX & LEGEND
2	SPECIFICATIONS
3	SEWER POND GRADING PLAN
4	EROSION CONTROL PLAN
5	EROSION CONTROL DETAILS

RECORD DRAWING

Corrections By _____
 No Changes By _____
 Date 3/12/2008
 Any Person Using This Drawing Should Verify
 All Information By Inspecting The Site Of Work

LEGEND

12.0	EXISTING GROUND ELEVATION
FL-12.10	EXISTING FLOWLINE ELEVATION
-15	EXISTING GROUND CONTOUR
⊙	EXISTING MONITORING WELL
○	EXISTING IRRIGATION AIR VENT
—	EXISTING CURB AND GUTTER
CB	EXISTING CATCH BASIN
SD	EXISTING STORM DRAIN LINE
FO	EXISTING SEWER FORCE MAIN
PP	EXISTING POWER POLE
MO	EXISTING CITY OF MANTECA SEWER OUTFALL LINE
12.0	PROPOSED FINISH DIRT GRADE

BENCHMARK

CITY OF MANTECA BENCHMARK NO. 71, 2" BRASS CAP LOCATED
 25 FEET ± NORTH OF THE NORTHEAST CORNER OF SECTION 11,
 TOWNSHIP 2 SOUTH, RANGE 6 EAST, MOUNT DIABLO MERIDIAN,
 AT THE INTERSECTION OF MCKINLEY AVENUE AND BRONZAN ROAD.
 ELEVATION = 16.703, U.S.G.S. DATUM

UTILITY CONTACTS

SANITARY SEWER ~ OAKWOOD LAKE WATER DISTRICT
 ATTN.: MIKE GILTON PH. (209) 634-6420
 DOMESTIC WATER ~ OAKWOOD LAKE WATER DISTRICT
 ATTN.: MIKE GILTON PH. (209) 634-6420
 STORM DRAINAGE ~ OAKWOOD LAKE HOMEOWNERS ASSOC.
 ATTN.: KEN FRITZ PH. (209) 957-0331
 ELECTRIC ~ PACIFIC GAS AND ELECTRIC COMPANY
 ATTN.: THOMAS SAMANIEGO PH. (209) 942-1793
 GAS ~ PACIFIC GAS AND ELECTRIC COMPANY
 ATTN.: THOMAS SAMANIEGO PH. (209) 942-1793
 TELEPHONE ~ VERIZON COMMUNICATIONS
 ATTN.: KATHY STROUT PH. (209) 239-0346
 CABLE TELEVISION ~ COMCAST
 ATTN.: MELANIE HERNANDEZ PH. (209) 474-1747
 EXT. 238

GEOTECHNICAL REPORT

THESE IMPROVEMENT PLANS CONFORM TO THE APPROVED
 GEOTECHNICAL REPORT FOR THE OAKWOOD LAKE
 DEVELOPMENT LOCATED IN SAN JOAQUIN COUNTY,
 CALIFORNIA.

Roubenzon
 KLEINFELDER, INC.
 No. 388
 Exp. 3-31-07
 8/22/06

APPROVED BY THE DISTRICT ENGINEER OF THE
 OAKWOOD LAKE WATER DISTRICT, MANTECA,
 CALIFORNIA.

DATE: 8-21-06

By: *Michael Gilton*
 MICHAEL GILTON, R.C.E. 25853

COUNTY OF SAN JOAQUIN
 DEPARTMENT OF PUBLIC WORKS

NOTE: APPROVAL FOR ROUGH GRADING ONLY:
 APPROVED:

Maui Calk
 SENIOR CIVIL ENGINEER
 RCE 46533
 exp. 6/30/07
 DATE: 8/30/06

GEOTECHNICAL REPORT

RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126

No. 61619
 Exp. 6-30-07

APPROVED BY THE DISTRICT ENGINEER OF THE
 OAKWOOD LAKE WATER DISTRICT, MANTECA,
 CALIFORNIA.

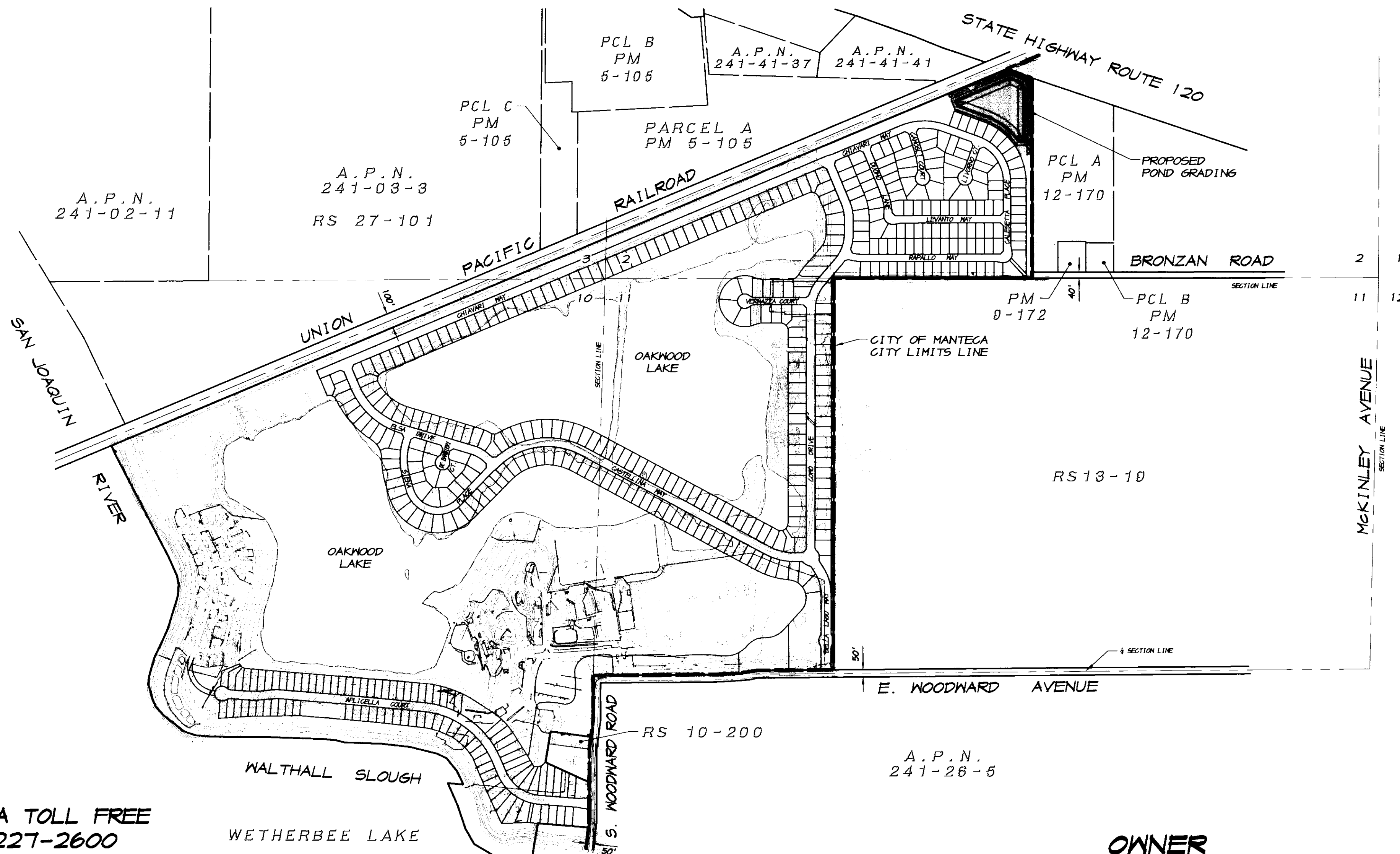
DATE: 8-21-06

By: *Kevin*
 KEVIN CARREL, R.C.E. 61619

COUNTY OF SAN JOAQUIN
 DEPARTMENT OF PUBLIC WORKS

NOTE: APPROVAL FOR ROUGH GRADING ONLY:
 APPROVED:

Maui Calk
 SENIOR CIVIL ENGINEER
 RCE 46533
 exp. 6/30/07
 DATE: 8/30/06



PROJECT LAYOUT MAP

SCALE: 1"=500'

OWNER

BECK DEVELOPMENT
 3114 WEST HAMMER LANE
 STOCKTON, CALIFORNIA 95209
 PHONE (209) 957-0331
 ATTN.: KEN FRITZ

DISCLAIMER

ALL FACILITIES TO BE CONSTRUCTED WITH THIS PLAN SET WILL BE OWNED,
 OPERATED AND MAINTAINED BY THE OAKWOOD LAKE WATER DISTRICT AND HAVE BEEN
 DESIGNED TO THE DISTRICT STANDARDS AND REQUIREMENTS. THE FACILITIES DO
 NOT CONFORM TO THE SAN JOAQUIN COUNTY STANDARDS. THEREFORE THE COUNTY OF
 SAN JOAQUIN AND ITS EMPLOYEES WILL NOT BE LIABLE FOR SUCH FACILITIES IN
 ANY MANNER WHATSOEVER AND BE HELD HARMLESS AND INDEMNIFIED BY OAKWOOD
 LAKE WATER DISTRICT AND BECK DEVELOPMENT FOR SUCH.

CALL USA TOLL FREE
 800-227-2600

BEFORE PLANTING TREES, TRENCHING,
 DIGGING FENCE POST HOLES, BLASTING,
 GRADING, EXCAVATING, DRILLING, PIPE
 PUSHING, ETC., CALL UNDERGROUND
 SERVICE ALERT FOR UNDERGROUND
 CLEARANCE.

USA WILL PROVIDE INFORMATION ABOUT,
 OR LOCATE AND MARK UNDERGROUND
 FACILITIES FOR YOU.

ASSOCIATED
 ENGINEERING, INC.
 Surveying · Design · Planning
 4026 TECHNOLOGY DRIVE
 MODESTO, CALIFORNIA 95356
 PH: (209) 545-3390 FAX: (209) 545-3875



TRACT NO. 3475
 VICINITY MAP, INDEX & LEGEND
 NORTH EAST SEWER STORAGE POND
 OAKWOOD LAKE SUBDIVISION
 SAN JOAQUIN COUNTY
 CALIFORNIA

GEOTECHNICAL REPORT

RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126

No. 61619
 Exp. 6-30-07

APPROVED BY THE DISTRICT ENGINEER OF THE
 OAKWOOD LAKE WATER DISTRICT, MANTECA,
 CALIFORNIA.

DATE: 8-21-06

By: *Kevin*
 KEVIN CARREL, R.C.E. 61619

COUNTY OF SAN JOAQUIN
 DEPARTMENT OF PUBLIC WORKS

NOTE: APPROVAL FOR ROUGH GRADING ONLY:
 APPROVED:

Maui Calk
 SENIOR CIVIL ENGINEER
 RCE 46533
 exp. 6/30/07
 DATE: 8/30/06

SHEET 1 OF 5