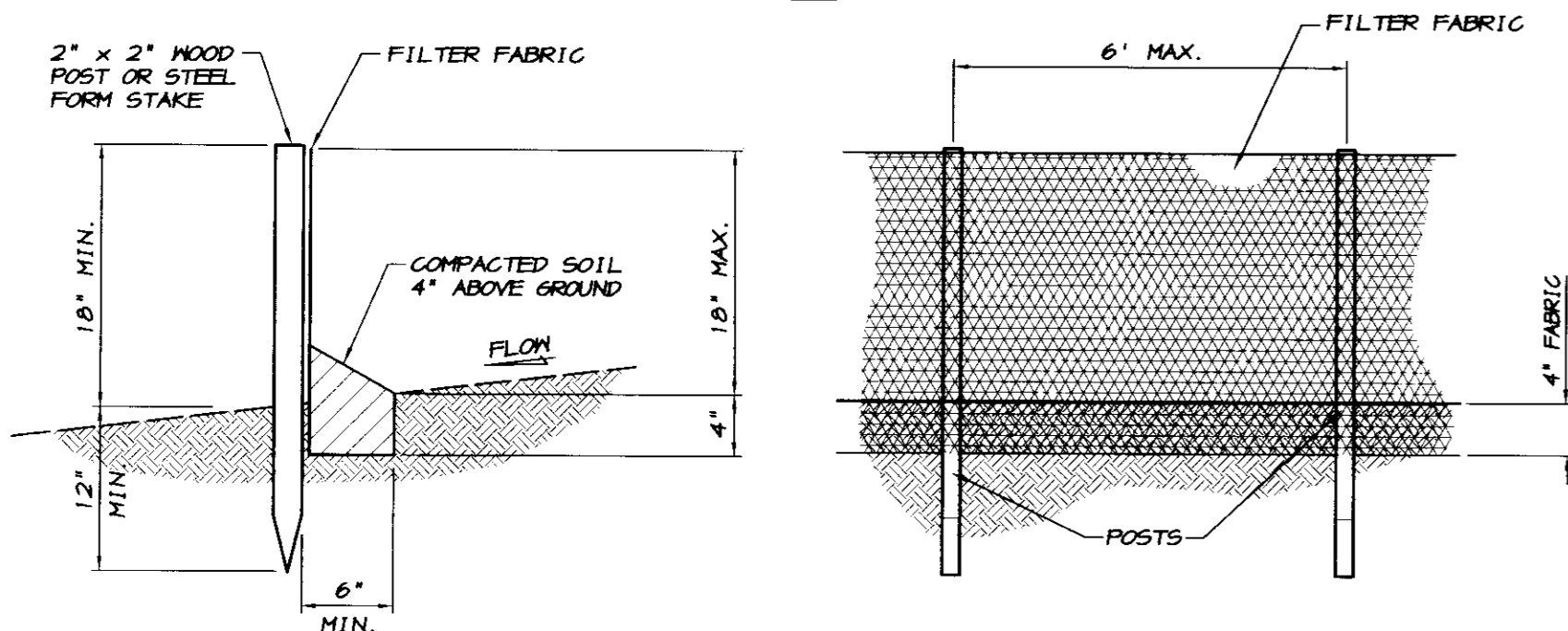
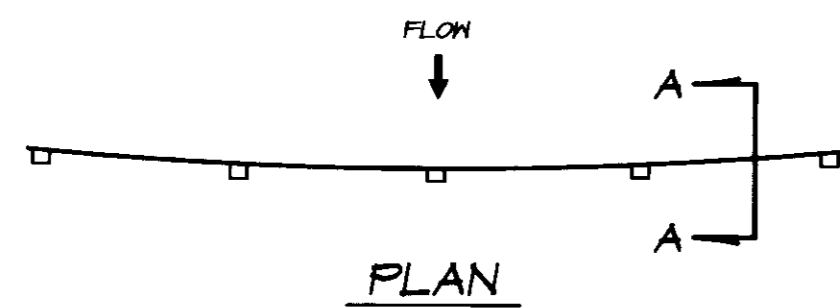


NOTES

- BALES SHALL BE PLACED TIGHTLY ADJUTED TOGETHER IN A TRENCH EXCAVATED A MINIMUM OF 4 INCHES BELOW THE INLET. BALES SHALL BE PLACED SO THAT BINDINGS ARE HORIZONTAL.
- EACH BAILE 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 10". TOPS OF STAKES OR J-BARS SHALL BE COUNTERSUNK A MINIMUM OF 1" BELOW THE TOP OF THE BAILE.
- OUTER PERIMETER OF THE BALES SHALL BE BACK FILLED AND COMPACTED TO A DEPTH OF APPROXIMATELY 4 INCHES WITH EXCAVATED MATERIAL.
- 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.

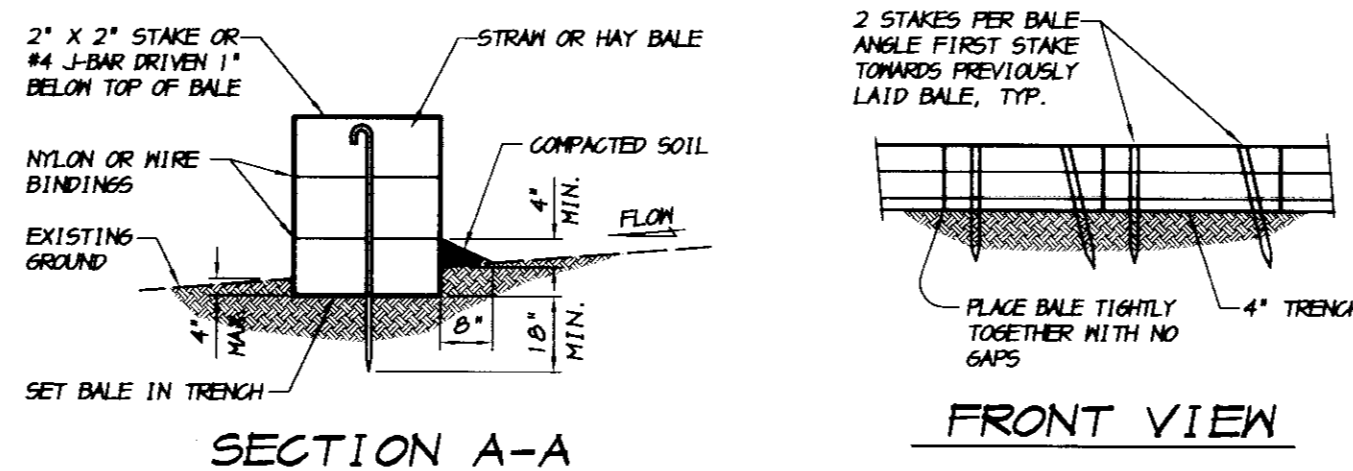
STRAW BAILE
INLET FILTER
NO SCALE



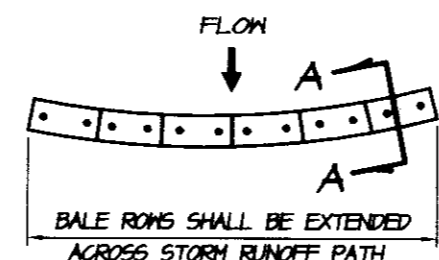
NOTES

- FILTER BARRIER SHALL BE CONSTRUCTED LONG ENOUGH TO EXTEND ACROSS THE EXPECTED FLOW PATH AND AS APPROVED BY THE ADMINISTRATOR.
- 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 10.
- 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.
- 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.
- 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



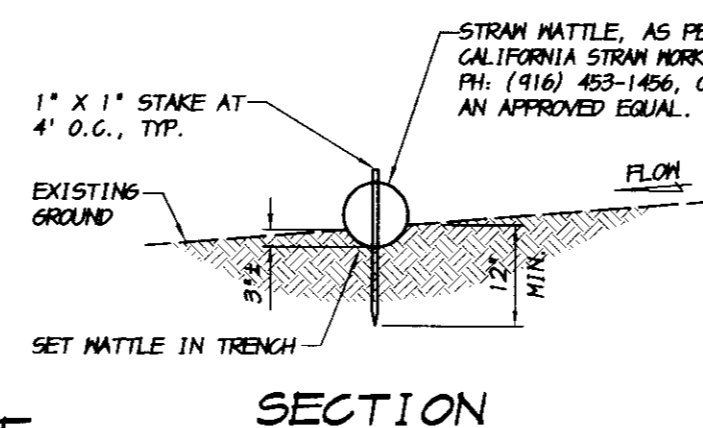
STRAW BAILE ALIGNMENT



NOTES

- 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.
- BALES SHALL BE ANCHORED BY TWO 2" x 2" STAKES OR #4 J-BAR DRIVEN THROUGH THE BAILE AND IN TO THE GROUND A MINIMUM DEPTH OF 10 INCHES. STAKES OR J-BARS SHALL BE DRIVEN 1 INCH OR MORE BELOW THE TOP OF THE BAILE. THE FIRST STAKE OR J-BAR IN EACH BAILE SHALL BE DRIVEN AT AN ANGLE TOWARDS THE PREVIOUSLY LAID BAILE TO FORCE THE BALES TIGHTLY ADJUTED TOGETHER.
- AFTER BALES ARE STAKED IN PLACE, EXCAVATED SOIL SHALL BE BACKFILLED AGAINST THE UPHILL SIDE TO A MINIMUM HEIGHT OF 4 INCHES.
- 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.

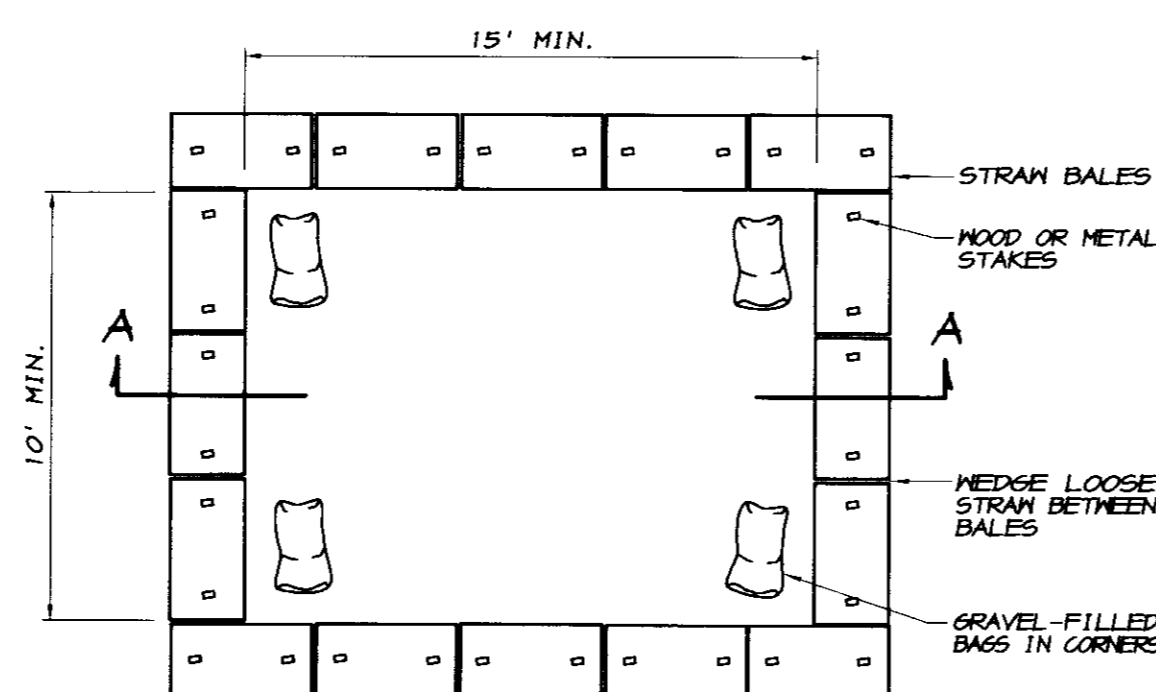
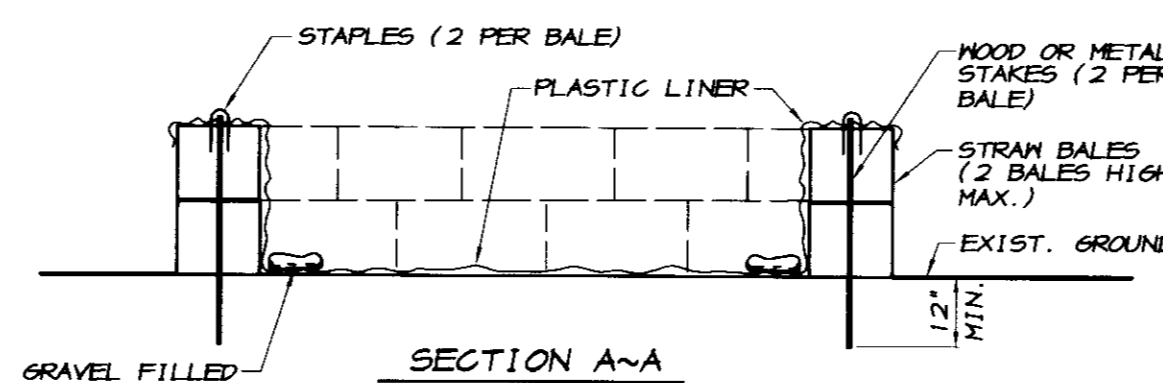
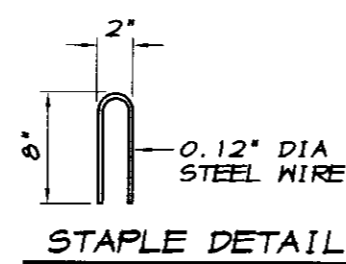
SILT FENCE
STRAW BAILE BARRIER
NO SCALE



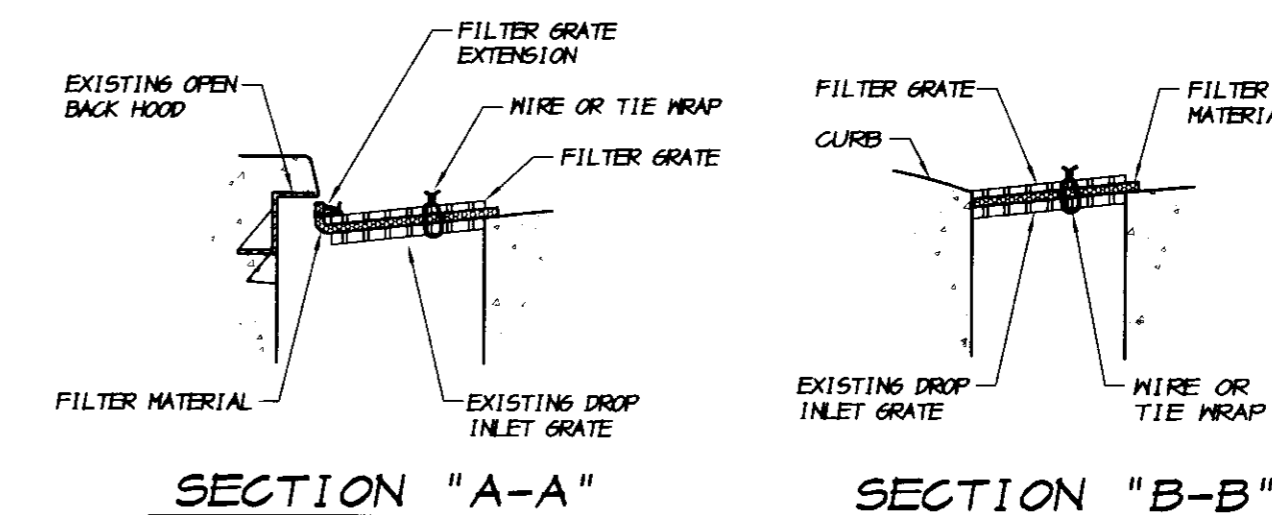
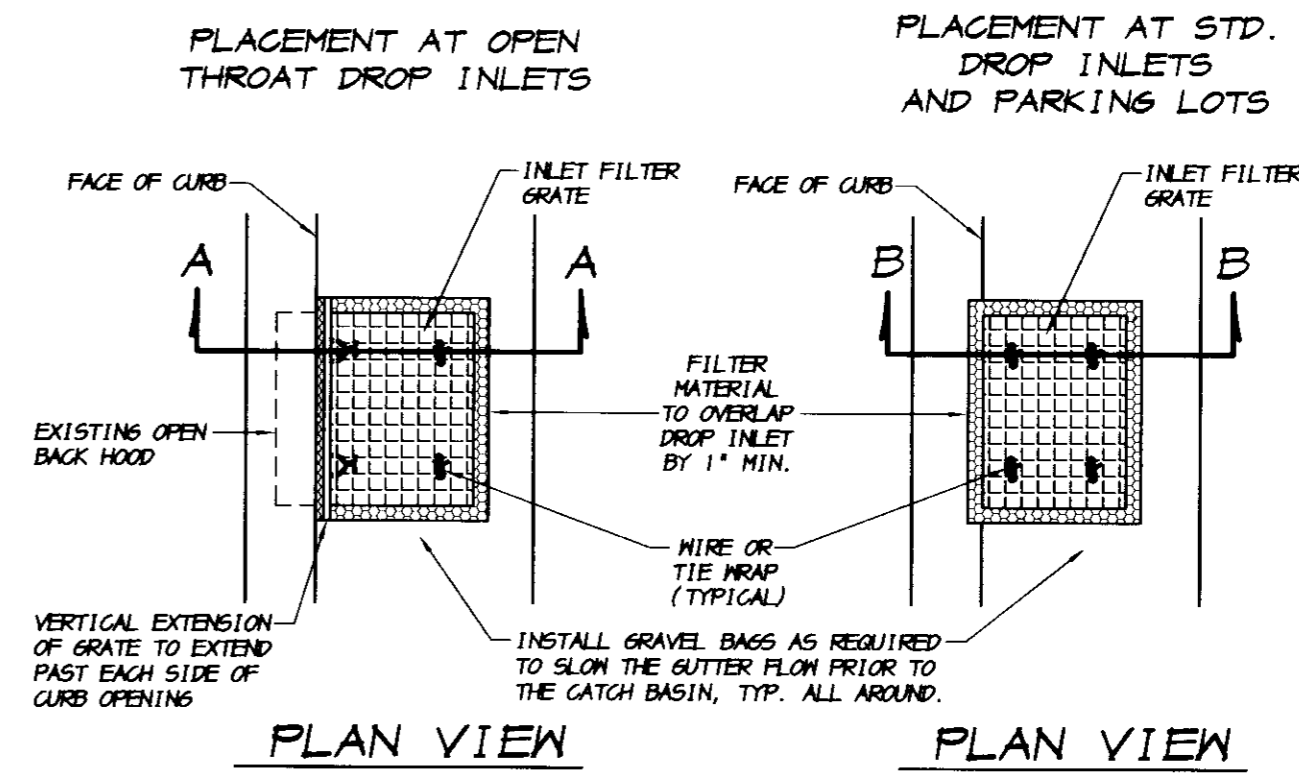
NOTE

- STRAW MATTING MAY BE USED IN PLACE OF SILT FENCE.
- CONTRACTOR SHALL INSPECT MATTING 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. MATTING SHALL BE REPLACED WHEN THEY HAVE BEEN DAMAGED, COLLAPSED OR DECOMPOSED.

STRAW WATTLE DETAIL
NO SCALE



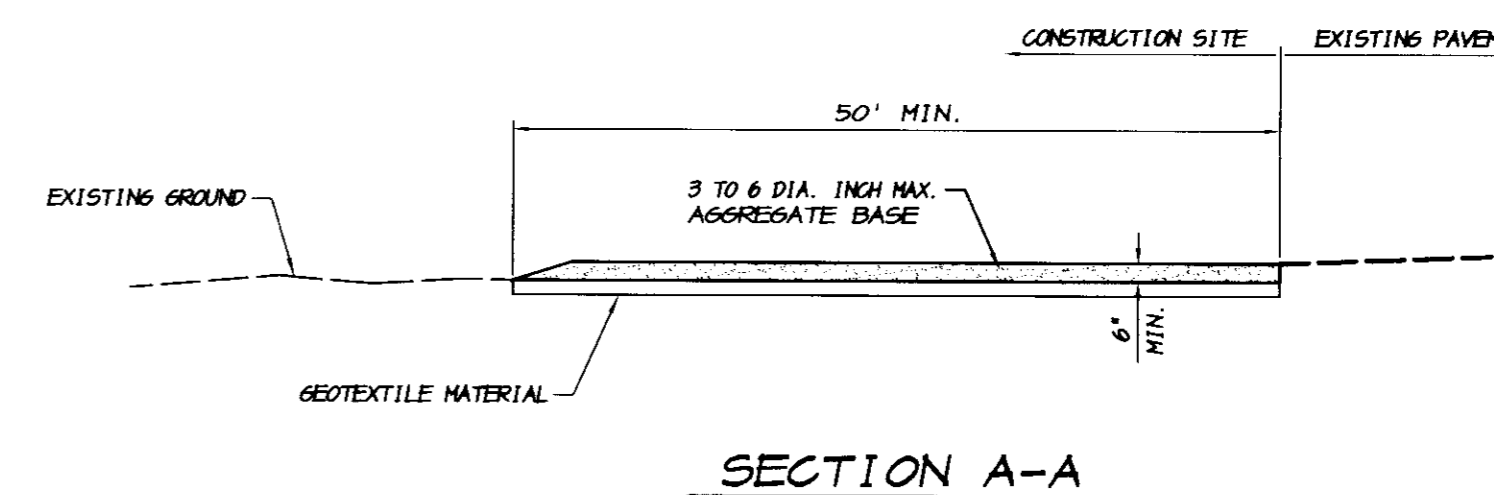
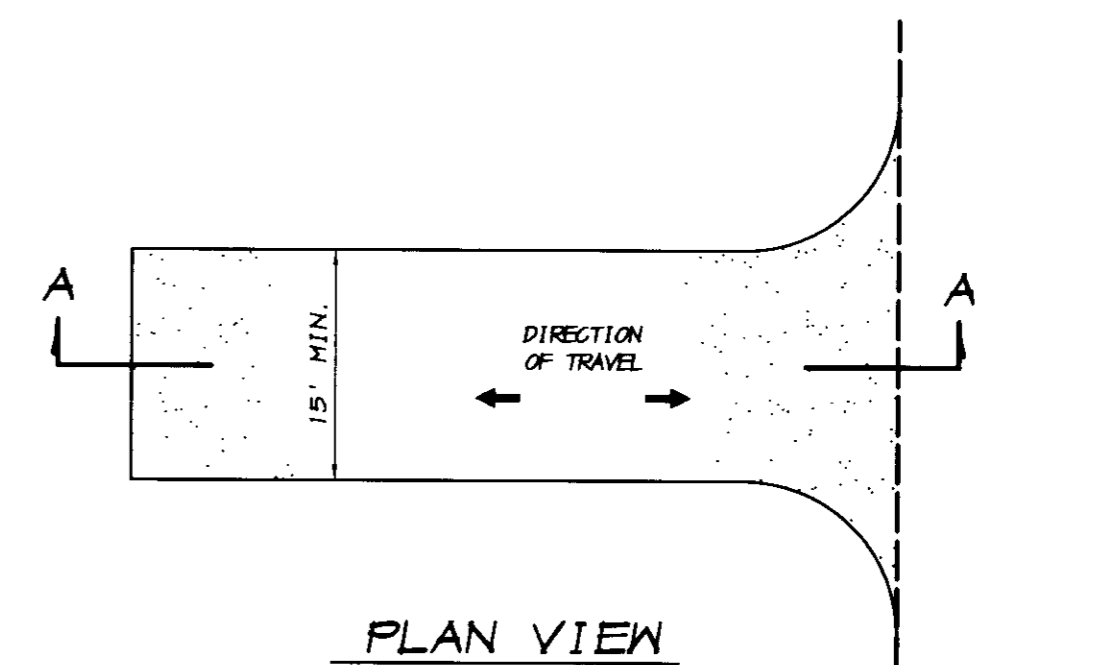
CONCRETE WASHOUT DETAIL
NO SCALE



NOTES

- THE MAXIMUM DRAINAGE AREA PER FILTER SHALL BE NO MORE THAN 2 ACRES.
- THE FILTER PAD SHALL BE 1/2 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.
- 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.
- THE FILTER PAD AND GRATE SHALL BE SECURELY ATTACHED TO THE DROP INLET BY WIRE OR TIE-WRAPS.
- INLET FILTERS SHALL BE INSPECTED WEEKLY AND AFTER EACH RAINFALL. REPAIRS AND SEDIMENT AND DEBRIS REMOVAL SHALL BE MADE AS NECESSARY.
- INLET FILTERS SHALL BE OF THE PEA GRAVEL BAG AND FILTER CLOTH VARIETY.

STORM DRAIN
INLET FILTER
NO SCALE



NOTES

- 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.
- 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.
- THE ENTRANCE SHALL BE KEPT IN GOOD CONDITION BY OCCASIONAL TOP DRESSING WITH AGGREGATE BASE MATERIAL.
- 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.

STABILIZED CONSTRUCTION
SITE ACCESS
NO SCALE

REVISION	DATE	DESCRIPTION

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



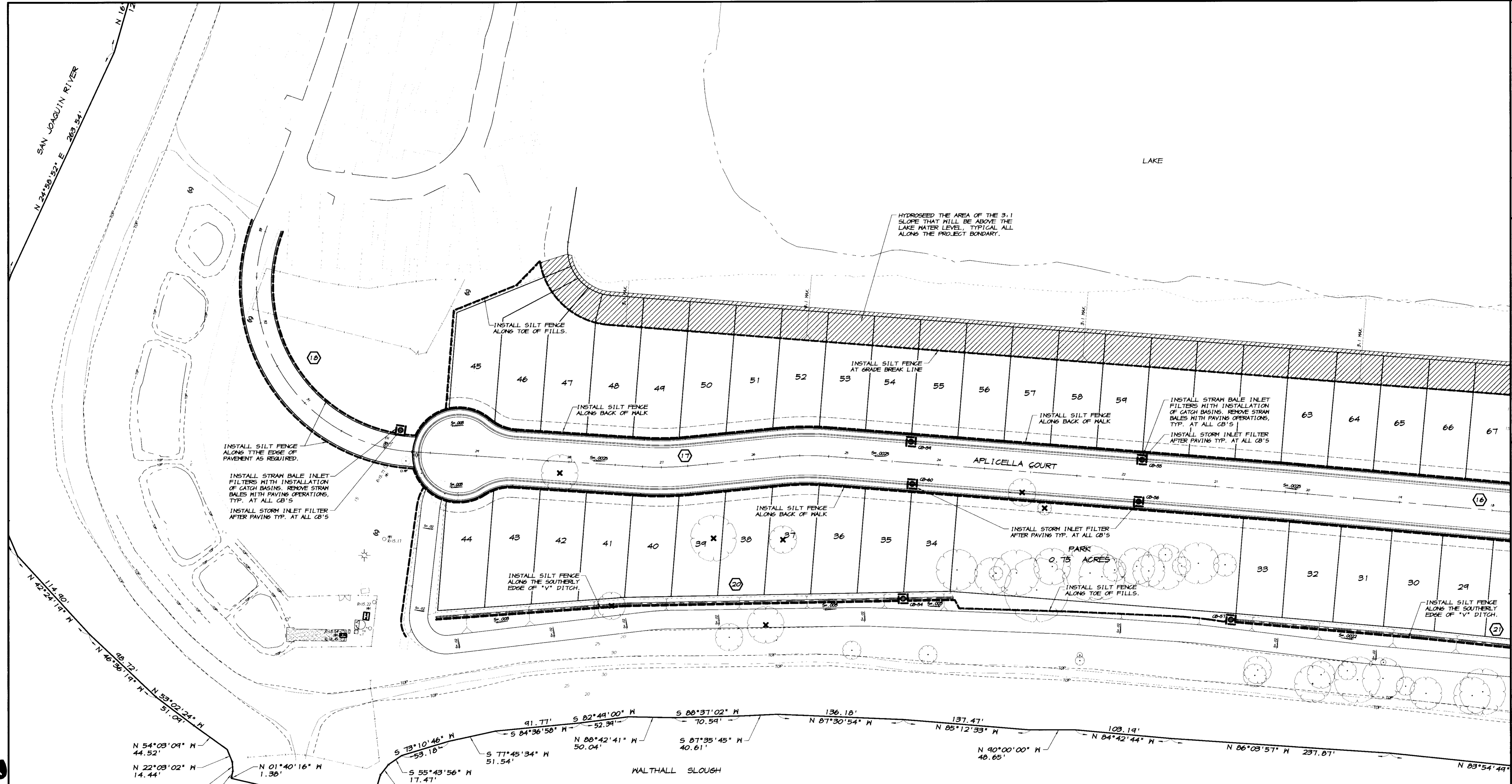
TRACT NO. 3477
EROSION CONTROL DETAILS
OAKWOOD LAKE SUBDIVISION, UNIT 4
SAN JOAQUIN COUNTY CALIFORNIA

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





DRAWN BY: KEVIN
DATE: AUG. 14, 2008
SCALE: 1"=50'
DWG: 2465-EROS
CHECKED: R.D.C.
JOB #: 246A-04

SU 444 4236



N 54°03'04" W 44.52'
 N 22°08'02" W 14.44'
 N 03°34'44" W 10.22'
 N 14°02'46" E 6.57'
 N 01°40'16" W 1.30'
 N 77°05'08" W 153.67'
 S 73°10'46" W 53.18'
 S 55°43'56" W 17.47'
 S 37°54'27" W 14.10'
 S 16°38'47" W 34.72'
 S 77°45'34" W 51.54'
 N 08°42'41" W 50.04'
 S 82°49'00" W 52.34'
 S 84°36'58" W 91.77'
 N 08°42'41" W 50.04'
 S 87°35'45" W 40.61'
 S 88°37'02" W 10.59'
 N 87°30'54" W 136.18'
 N 85°12'33" W 137.47'
 N 90°00'00" W 40.65'
 N 84°42'44" W 103.19'
 N 86°03'57" W 237.87'
 N 83°54'44" W 237.87'

OAK TREE LEGEND

-  INDICATES EXISTING OAK TREE TO REMAIN UNDISTURBED.
-  INDICATES EXISTING OAK TREE TO BE REMOVED.

RECORD DRAWING

No. 61619
 Date: 3/12/2008
 Association: California Professional Surveyors
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 MODESTO, CALIFORNIA 95356
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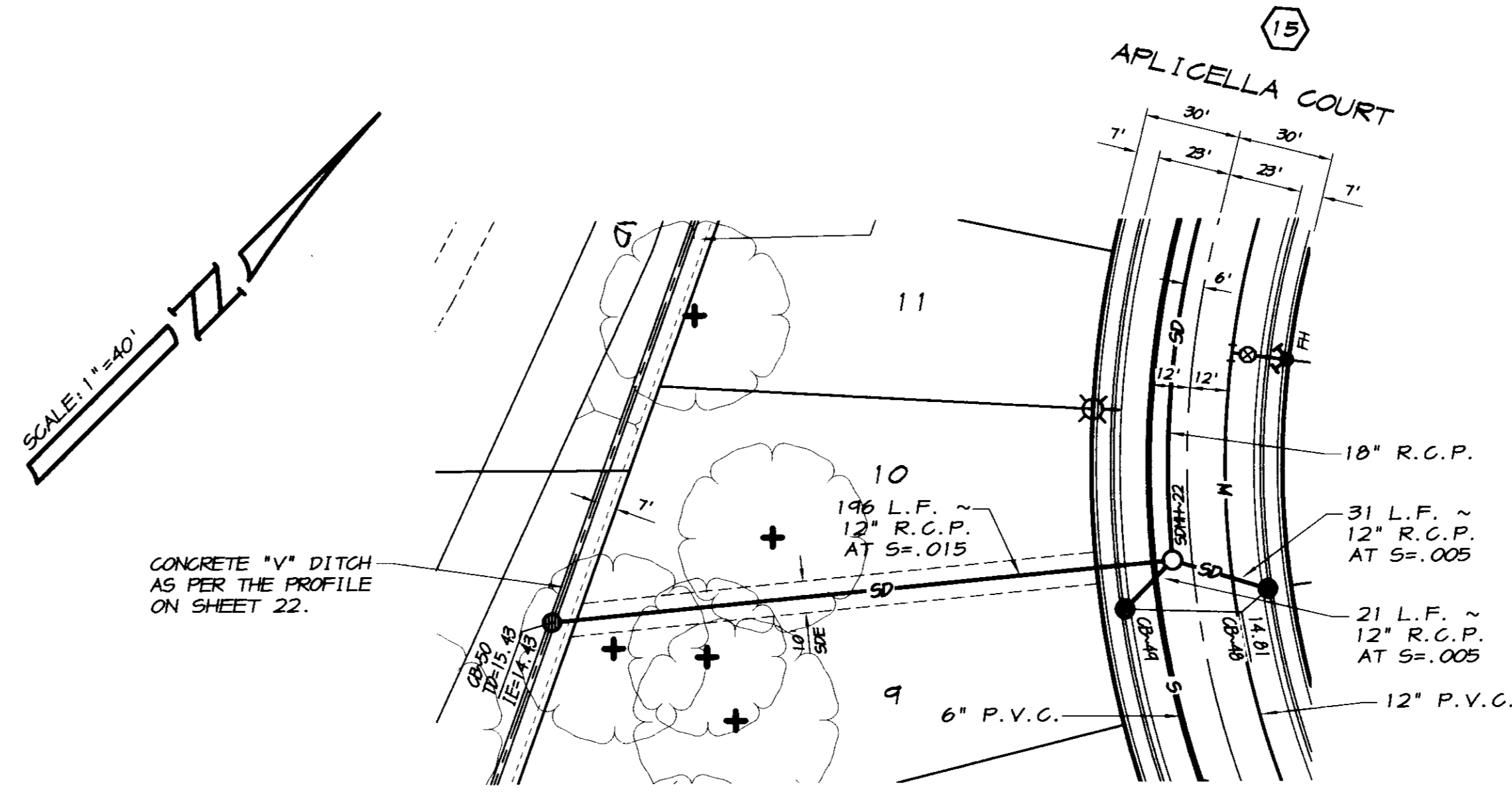
TRACT NO. 3477
EROSION CONTROL PLAN
OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

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



DRAWN BY: KEVIN
 DATE: AUG. 14, 2006
 SCALE: 1"=50'
 DWG: 2966-EROS
 CHECKED: R. D. C.
 JOB #: 296A-04

SHEET
25
 OF
26



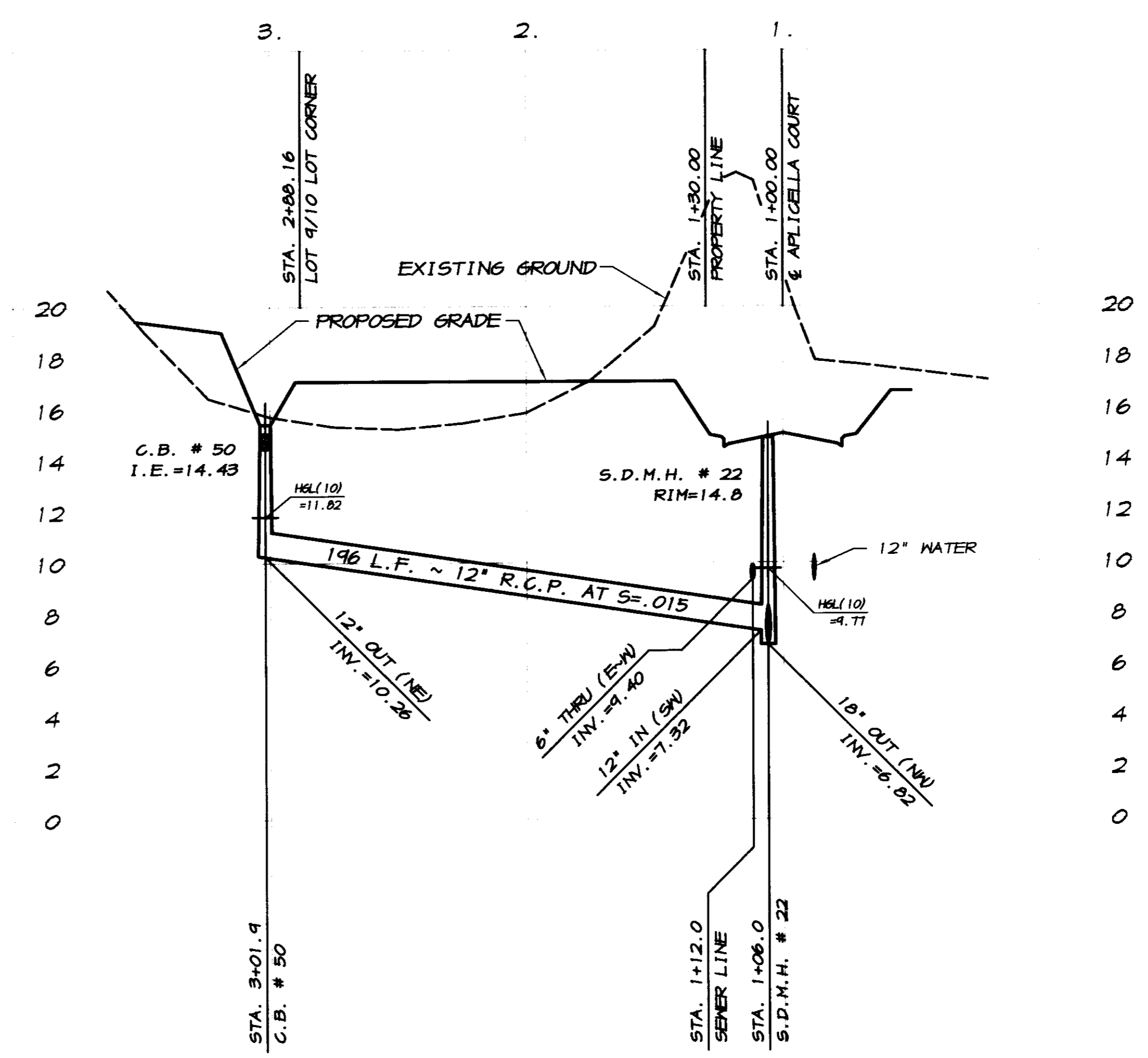
CATCH BASIN DATA

12" INV. AT C.B. #48 = 8.40
31 L.F. ~ 12" R.C.P. AT S=.005
12" INV. AT S.D.M.H. #22 = 8.24
12" INV. AT C.B. #49 = 7.43
21 L.F. ~ 12" R.C.P. AT S=.005
12" INV. AT S.D.M.H. #22 = 7.32

STORM DRAIN CONNECTION

SCALE: 1"=40'

RECORD DRAWING
 Checked by: *[Signature]*
 Date: 2/12/2008
 Any person using this drawing should verify all information by inspecting the site of work.



SCALE:
 HORIZONTAL: 1"=40'
 VERTICAL: 1"=4'

BY	
DATE	
REVISION	
DESCRIPTION	

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PLAN AND PROFILE
STORM DRAIN CONNECTION
OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY, CALIFORNIA

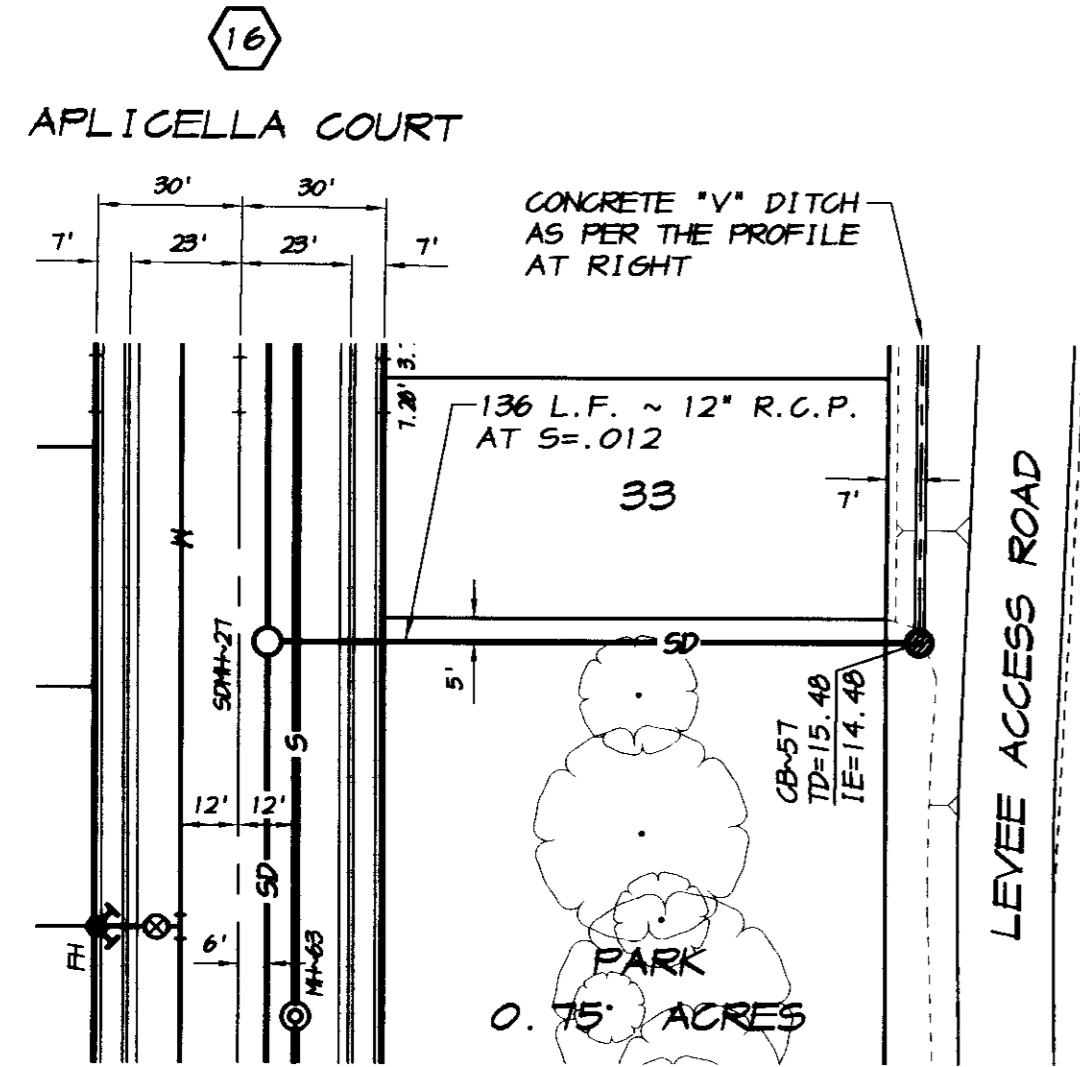
[Signature]
 RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126

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

DRAWN BY: J.S.H.
 DATE: AUG. 14, 2006
 SCALE: NOTED
 DWG: 2966-YDFPP
 CHECKED: KJH
 JOB #: 2966-04

SHEET **23** OF **26**

SCALE: 1"=40'



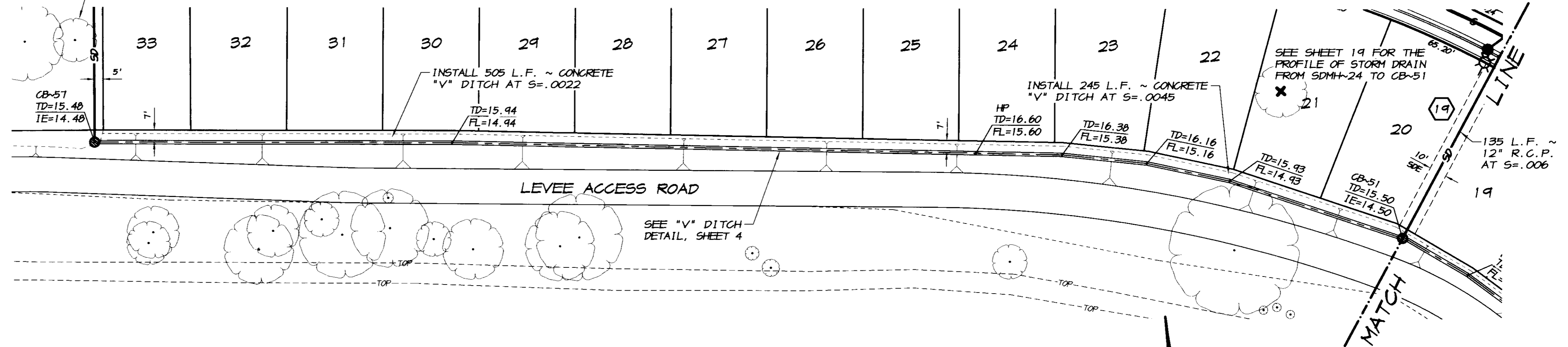
THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING OAK TREES THAT ARE TO REMAIN, TYP.

CATCH BASIN DATA

12" INV. AT C.B.#57 = 11.30
 136 L.F. ~ 12" R.C.P. AT S=.012
 12" INV. AT S.D.M.H.#27 = 9.66

CATCH BASIN DATA

12" INV. AT C.B.#51 = 10.22
 135 L.F. ~ 12" R.C.P. AT S=.006
 12" INV. IN AT S.D.M.H.#24 = 9.41



STORM DRAIN CONNECTION

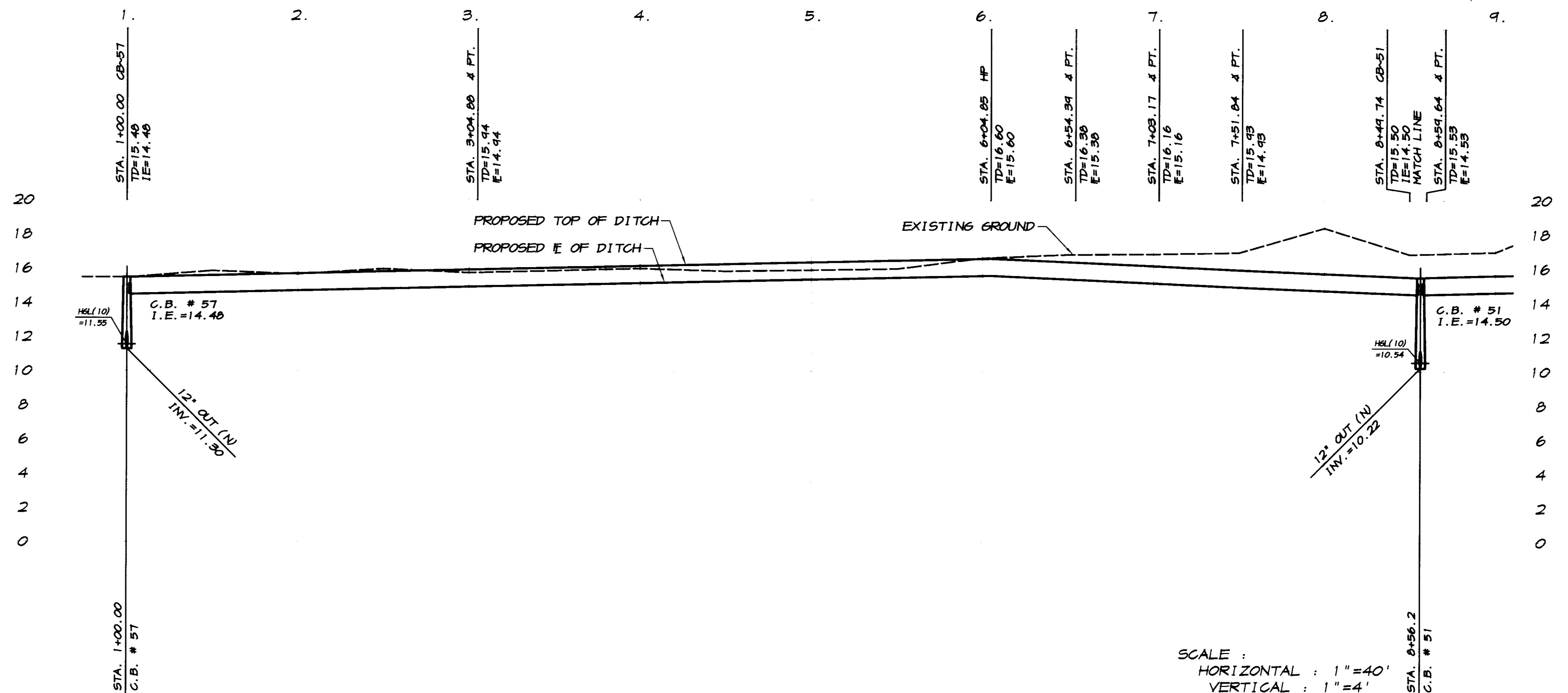
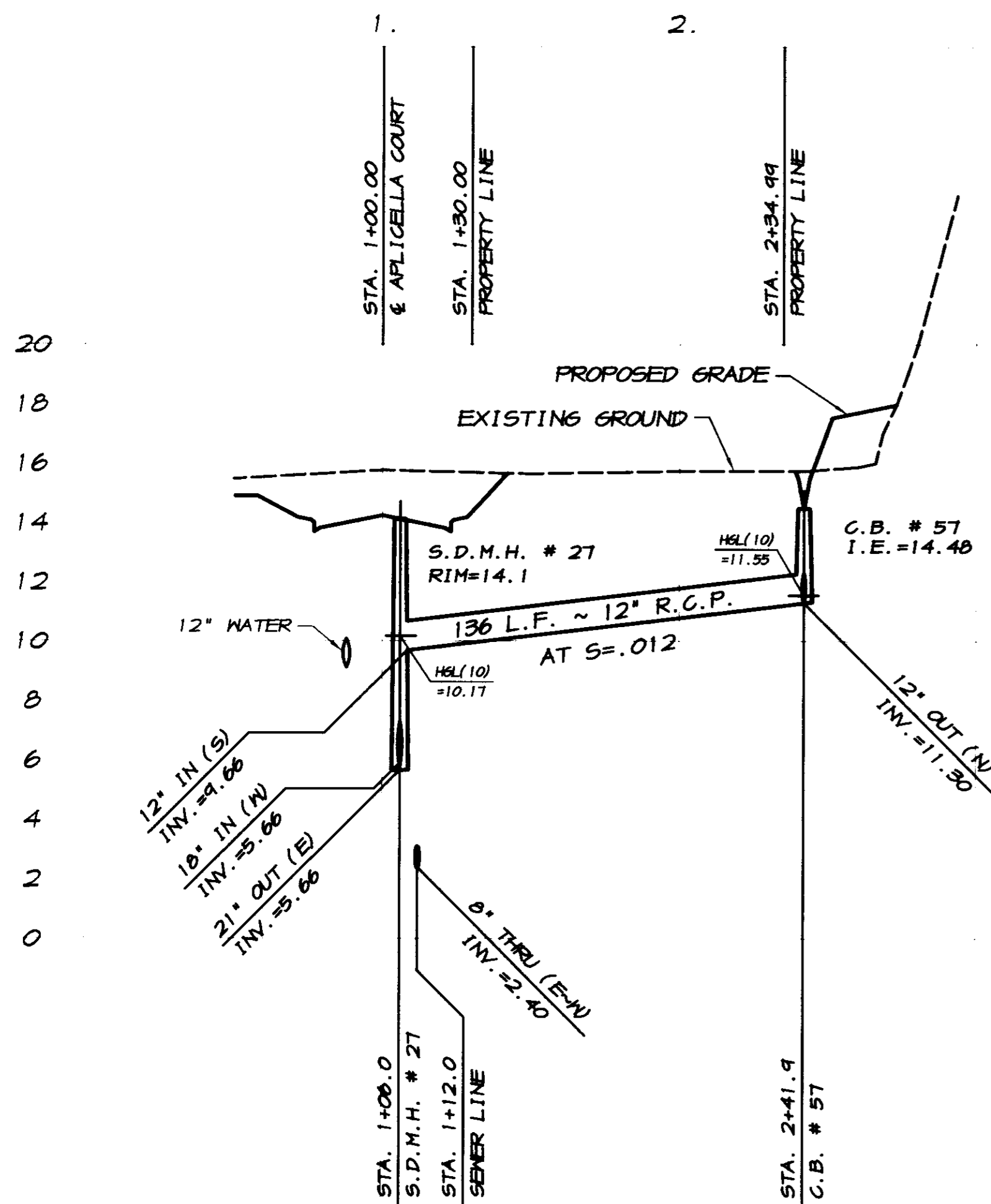
SCALE: 1"=40'

CONCRETE "V" DITCH

SCALE: 1"=40'

RECORD DRAWING

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



SCALE :
 HORIZONTAL : 1"=40'
 VERTICAL : 1"=4'

BY	
REVISION	DATE DESCRIPTION

ASSOCIATED ENGINEERING, INC.
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PLAN AND PROFILE
CONCRETE "V" DITCH
OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

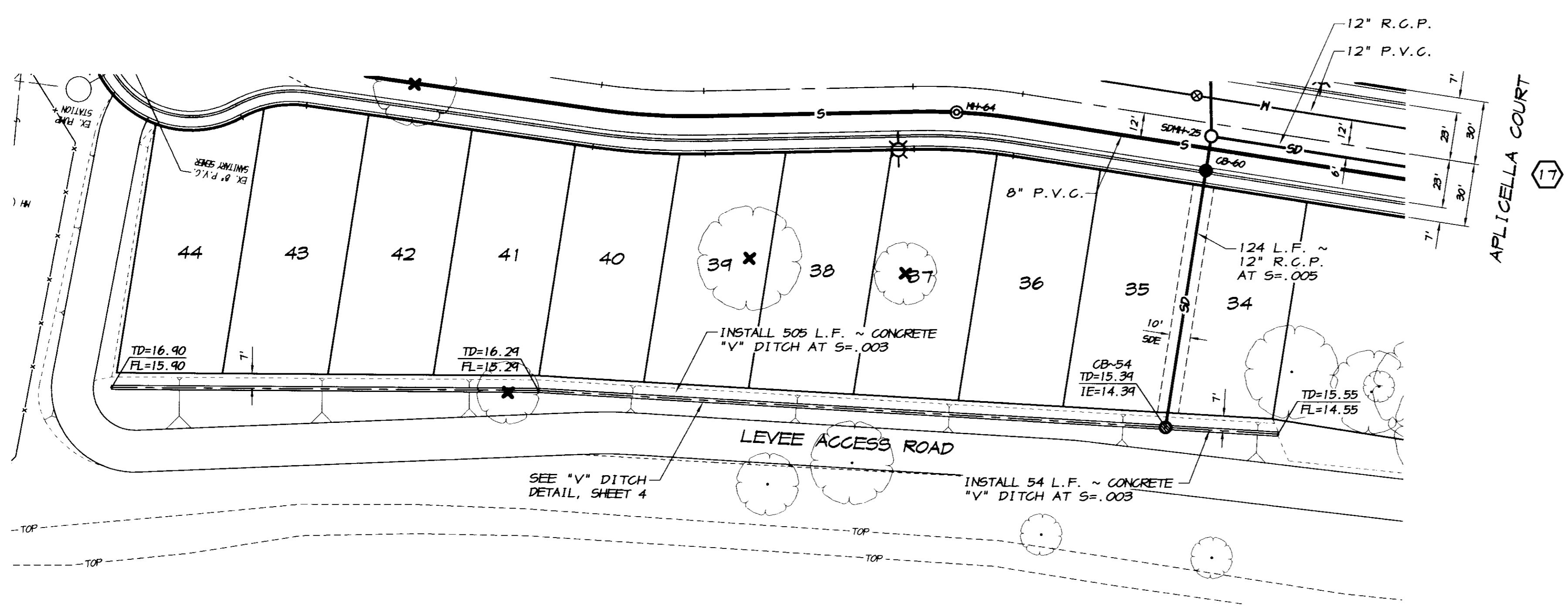
RD Carrel
 RYAN CARREL, R.C.E. 61619
 DAVE SKIDMORE, L.S. 7126

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

DRAWN BY: J.S.H.
 DATE: AUG. 14, 2006
 SCALE: NOTED
 DWG: 2966-VDPP
 CHECKED: KM
 JOB #: 2966-04
 SHEET

21
 OF
26

SCALE: 1"=40'

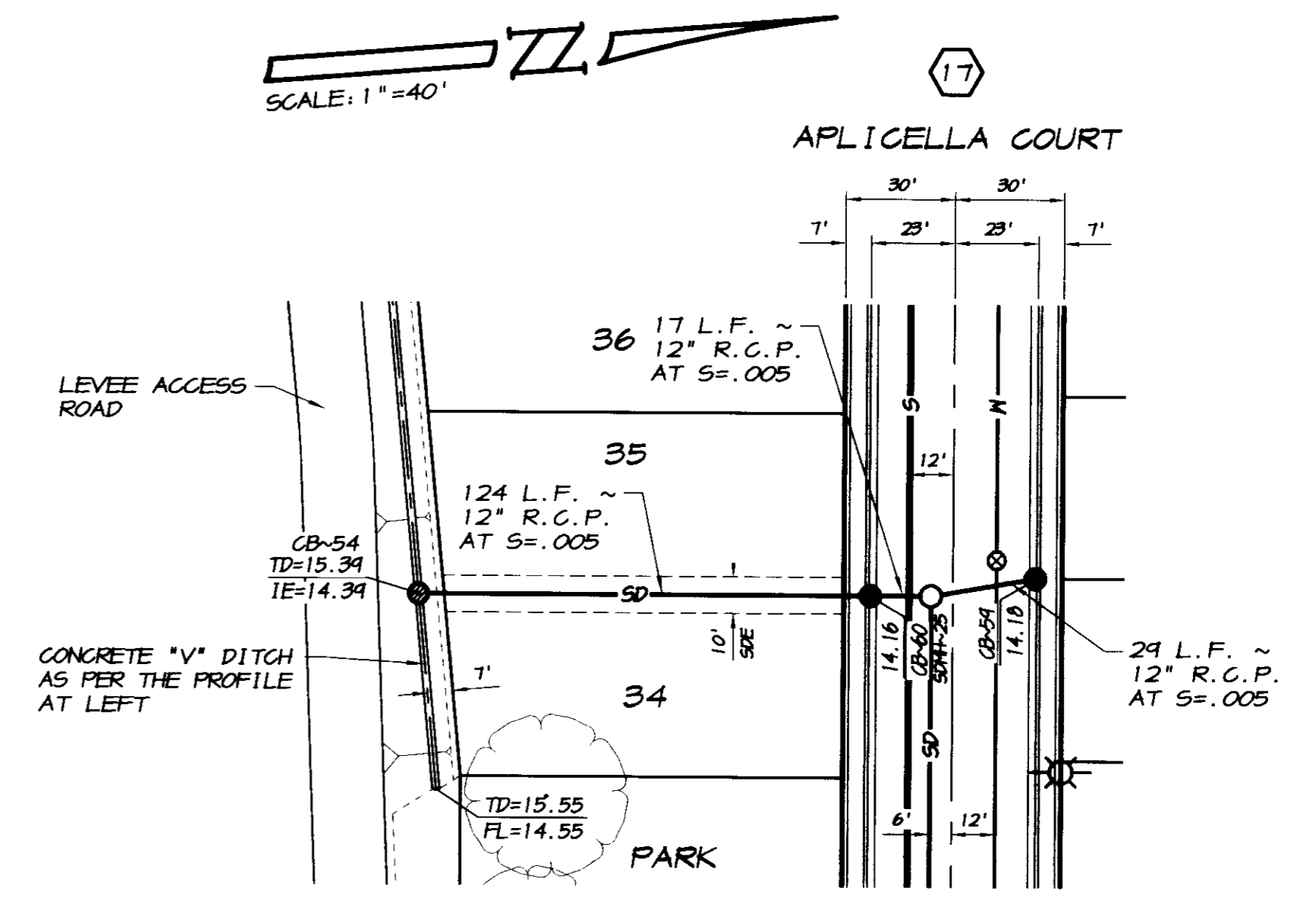


CONCRETE "V" DITCH

SCALE: 1"=40'

CATCH BASIN DATA
 12" INV. OUT AT C.B.#54 = 10.74
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 12" INV. (IN) AT C.B.#60 = 10.12

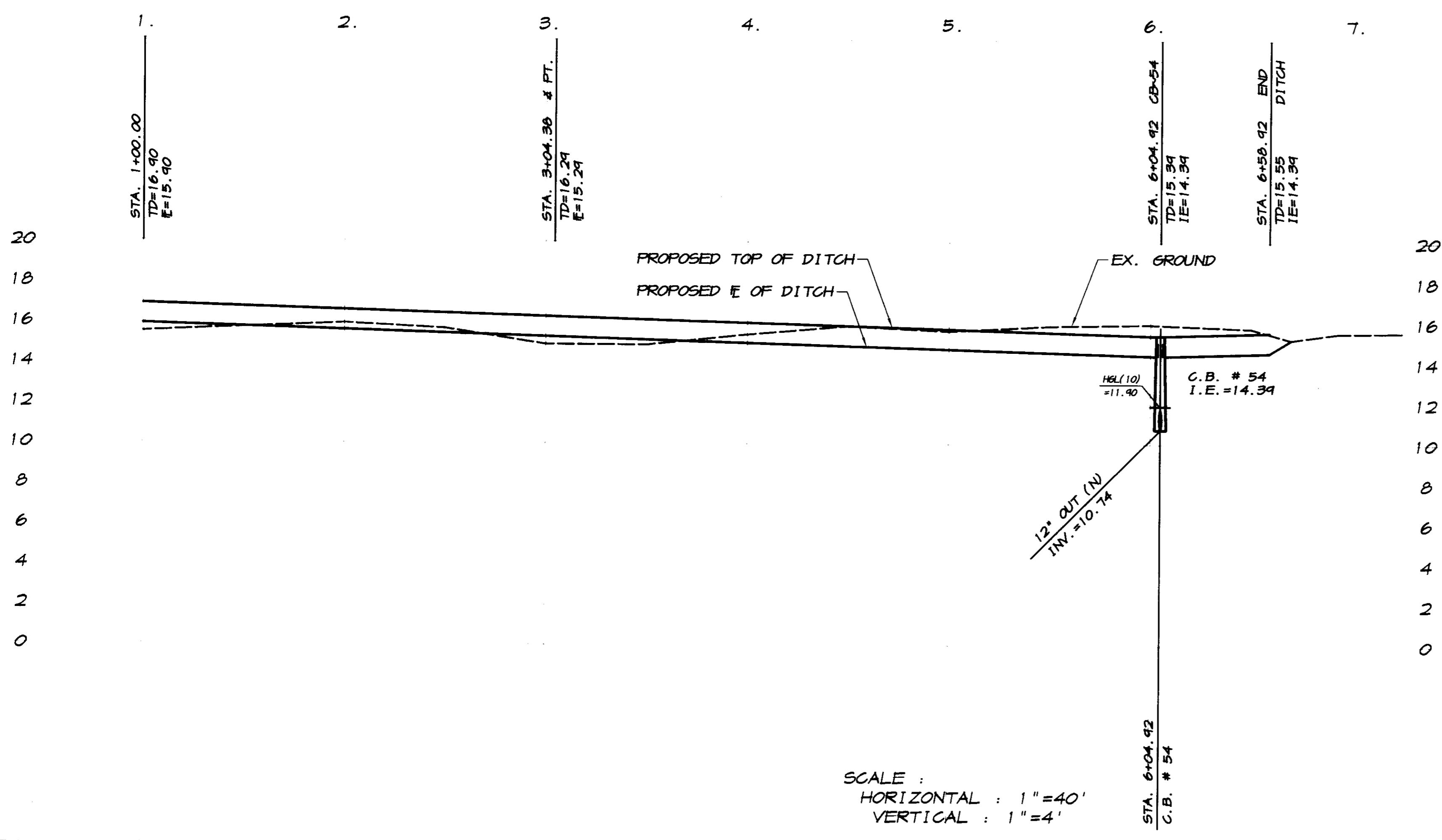
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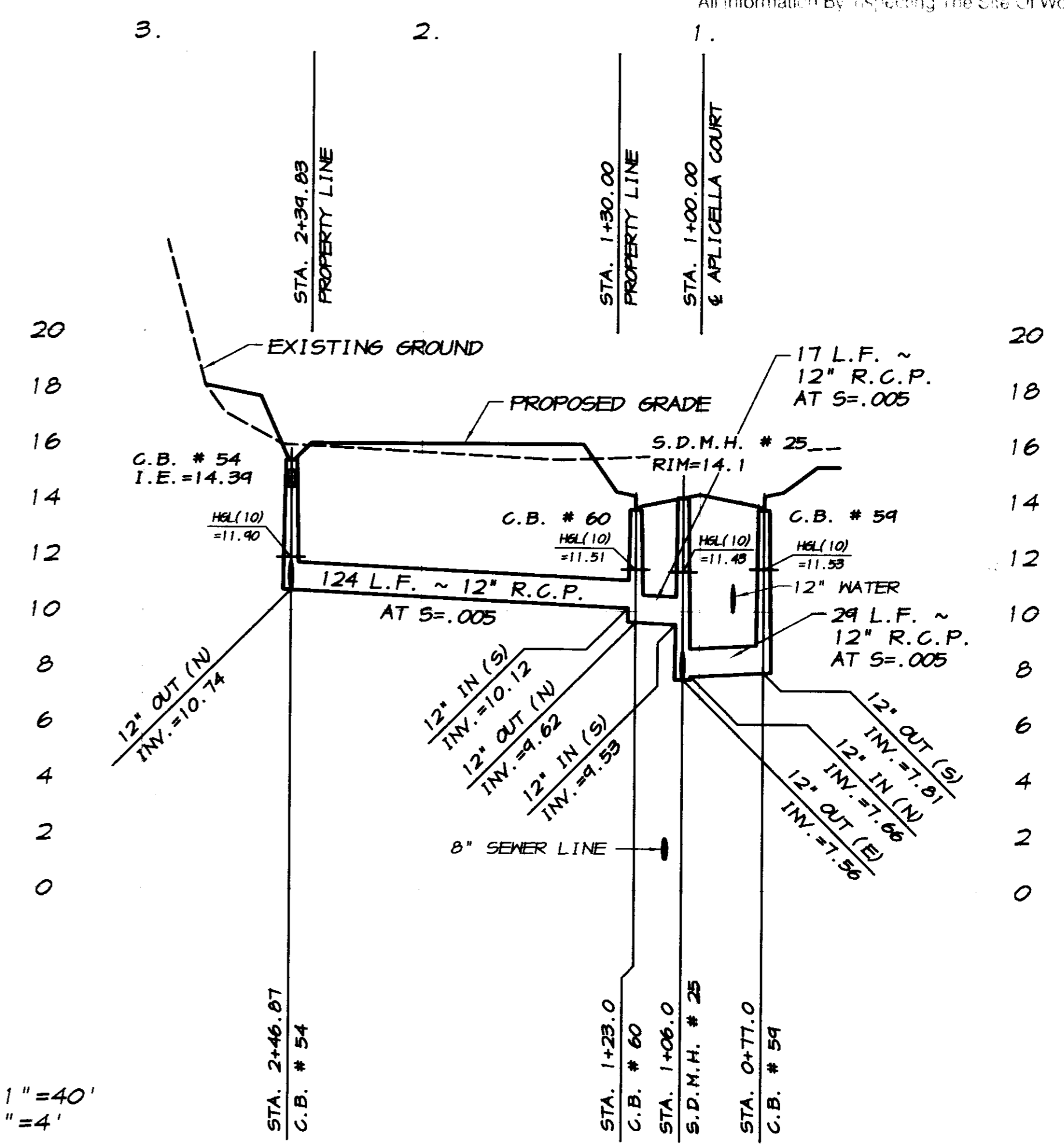
STORM DRAIN CONNECTION

SCALE: 1"=40'

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



SCALE:
 HORIZONTAL: 1"=40'
 VERTICAL: 1"=4'



SCALE:
 HORIZONTAL: 1"=40'
 VERTICAL: 1"=4'

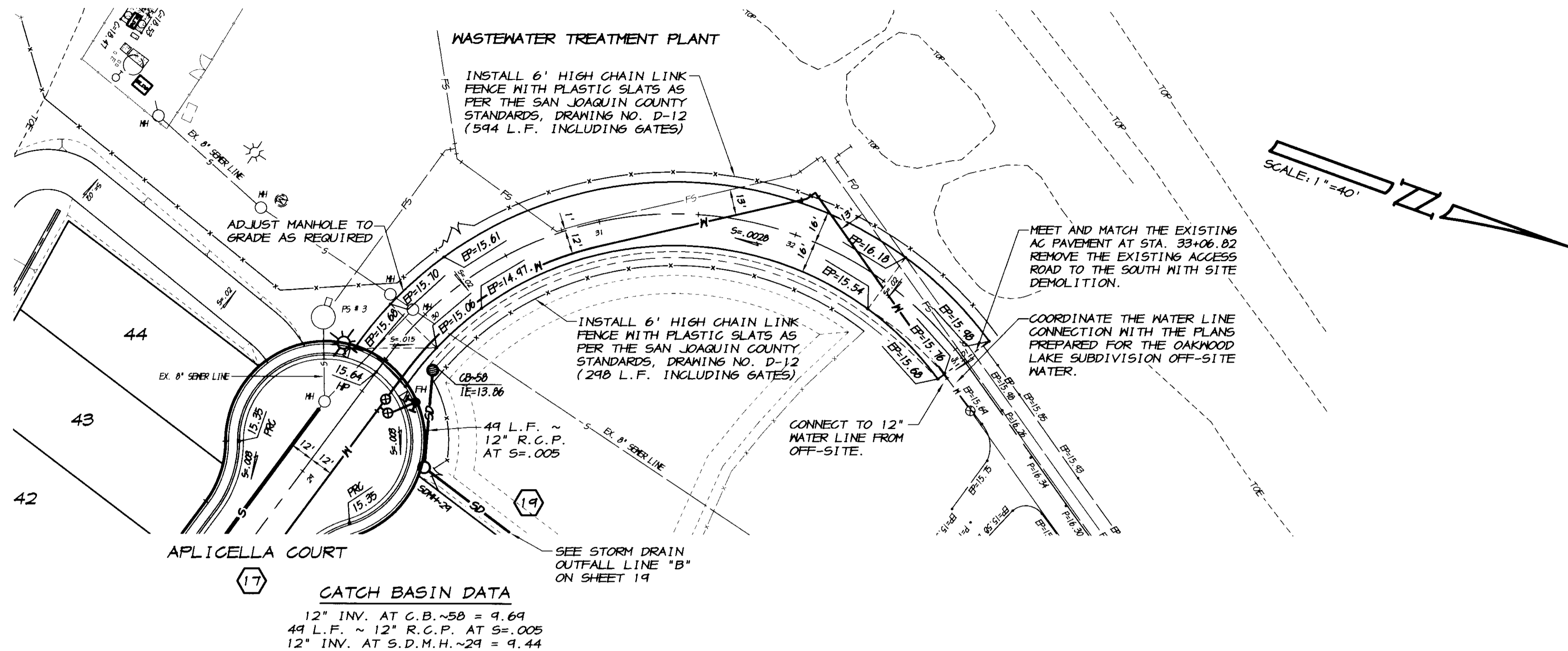
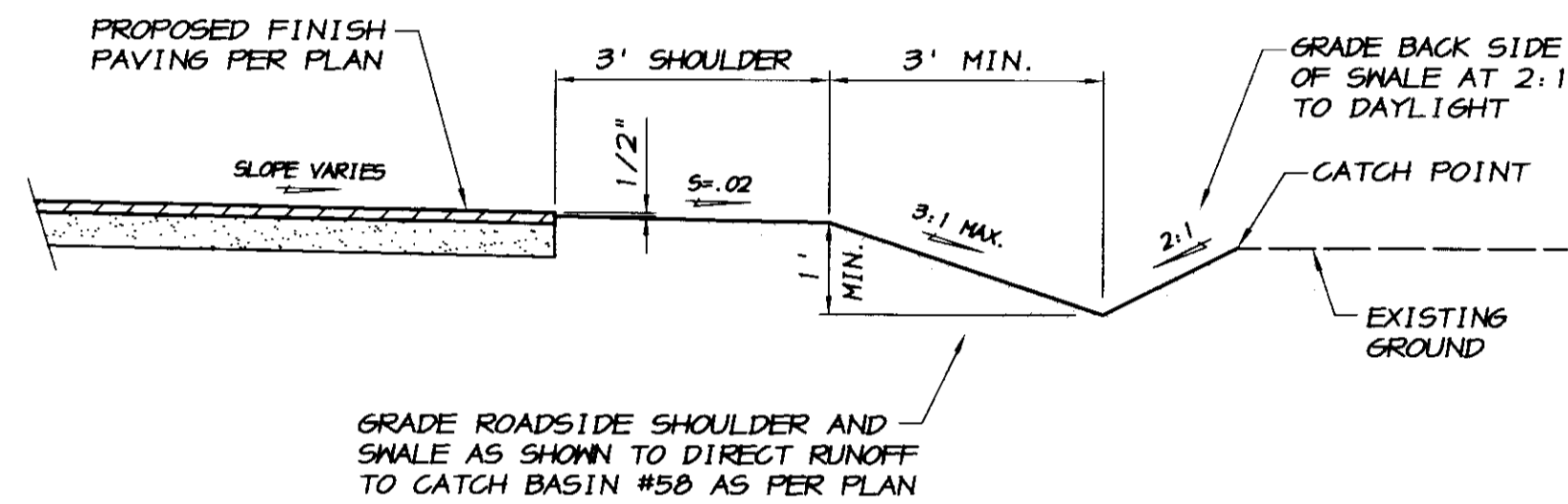
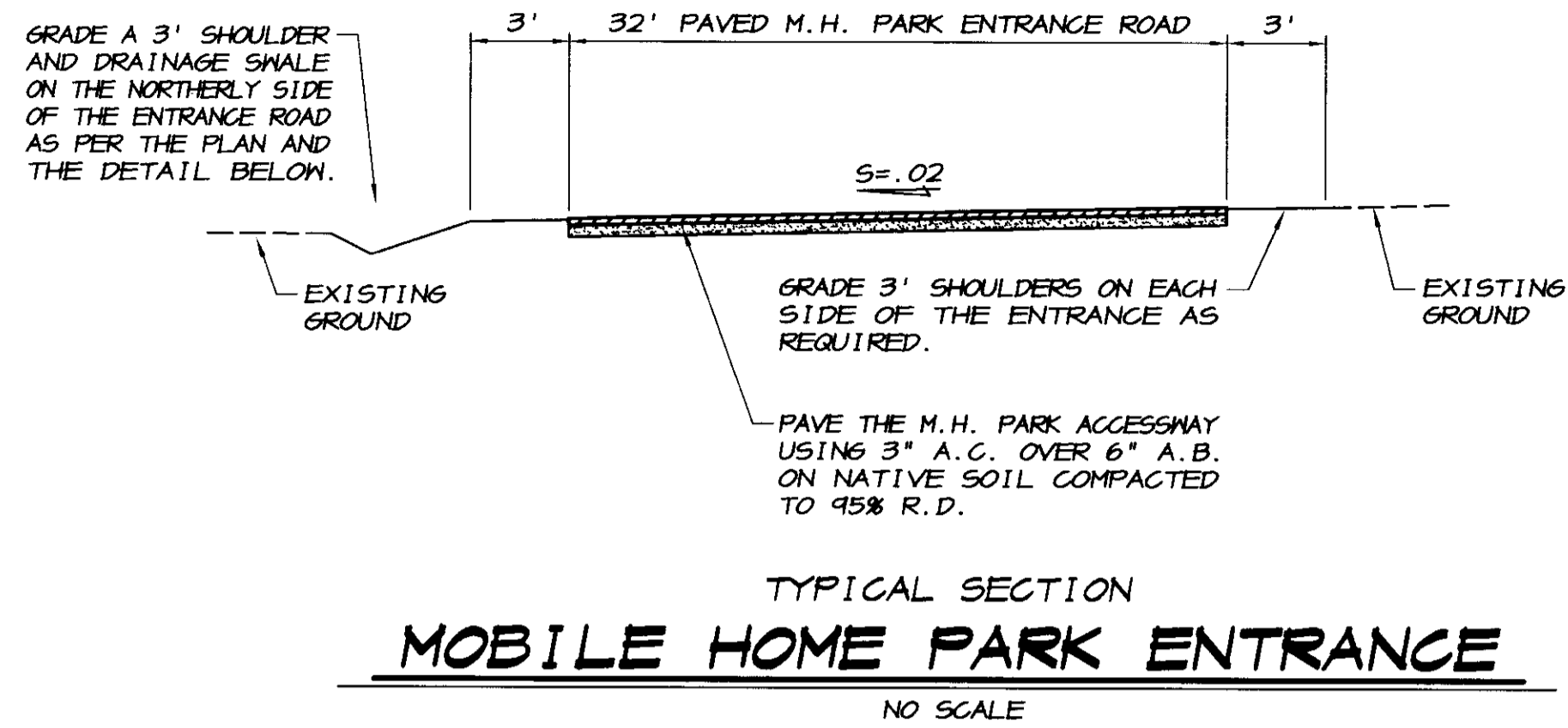
BY	
DATE	
REVISION	
DESCRIPTION	

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RYAN D. CARREL
 REGISTERED PROFESSIONAL ENGINEER
 No. 61619
 Exp. 8-30-07
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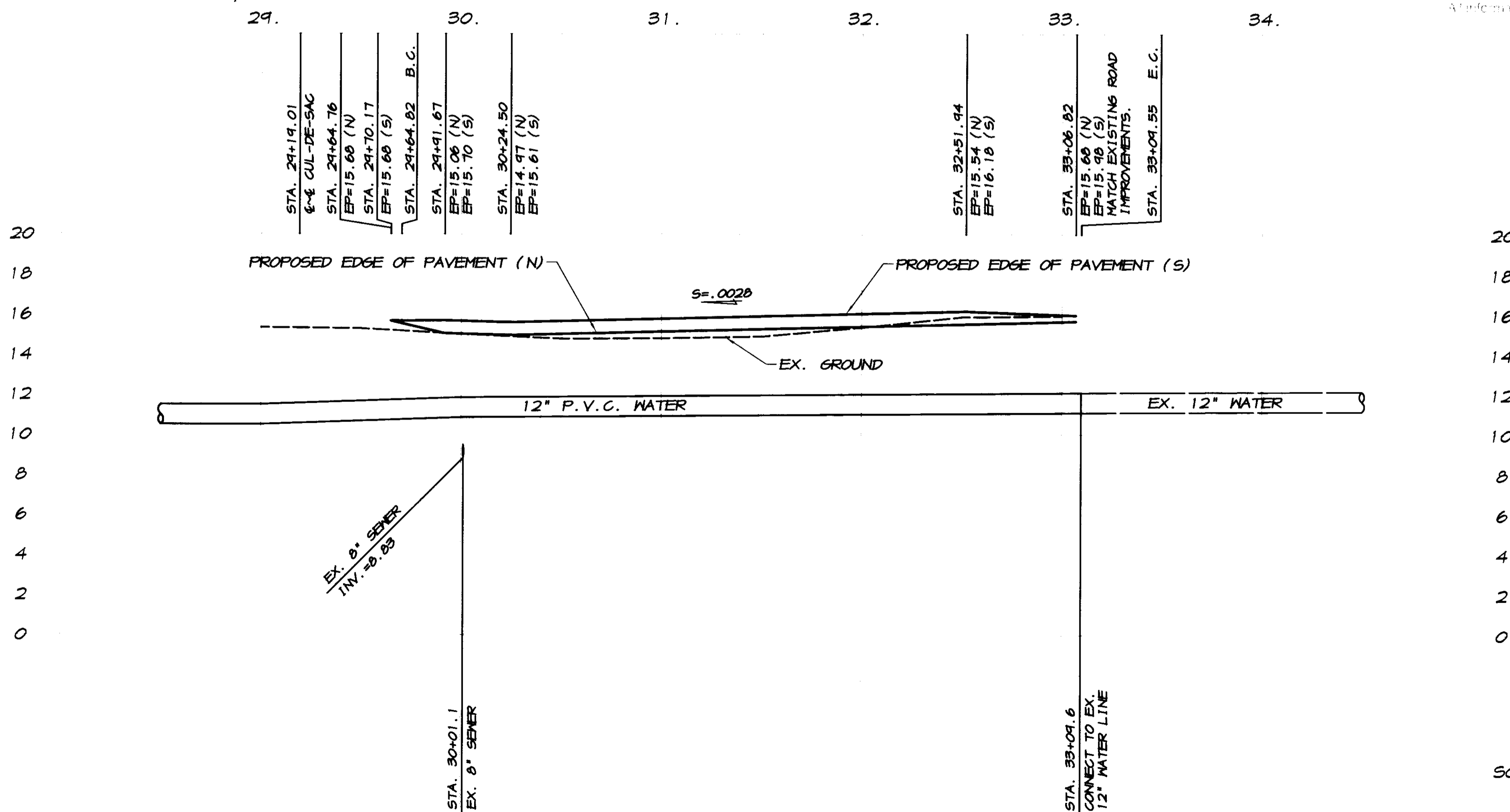
CONCRETE "V" DITCH
OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

DRAWN BY: J.S.H.
 DATE: AUG. 14, 2006
 SCALE: NOTED
 DWG: 2966-VDPP
 CHECKED: KM
 JOB #: 2966-04
 SHEET **20** OF **26**



MOBILE HOME PARK ENTRANCE

SCALE: 1"=40'



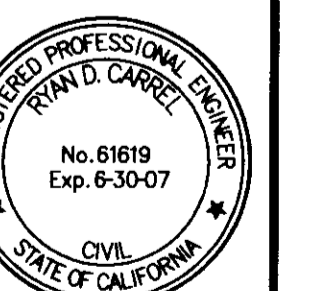
RECORD DRAWING

Checked by: *R. Carril*
No. 00000000
Date: 3/12/2008
Printed on: 3/12/2008 10:00 AM
A Information for your records only. Do not verify.

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PLAN AND PROFILE
MOBILE HOME PARK ENTRANCE
OAKWOOD LAKE SUBDIVISION, UNIT 4
SAN JOAQUIN COUNTY CALIFORNIA

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



DRAWN BY: J.S.H.
DATE: AUG. 14, 2006
SCALE: 1"=40'
DWG: 2966-MHPE
CHECKED: KM
JOB #: 2966-04

SHEET
18
OF
26

CATCH BASIN DATA

12" INV. AT C.B. ~55 = 6.73
 24 L.F. ~ 12" R.C.P. AT S=.005
 12" INV. AT S.D.M.H. ~26 = 6.58

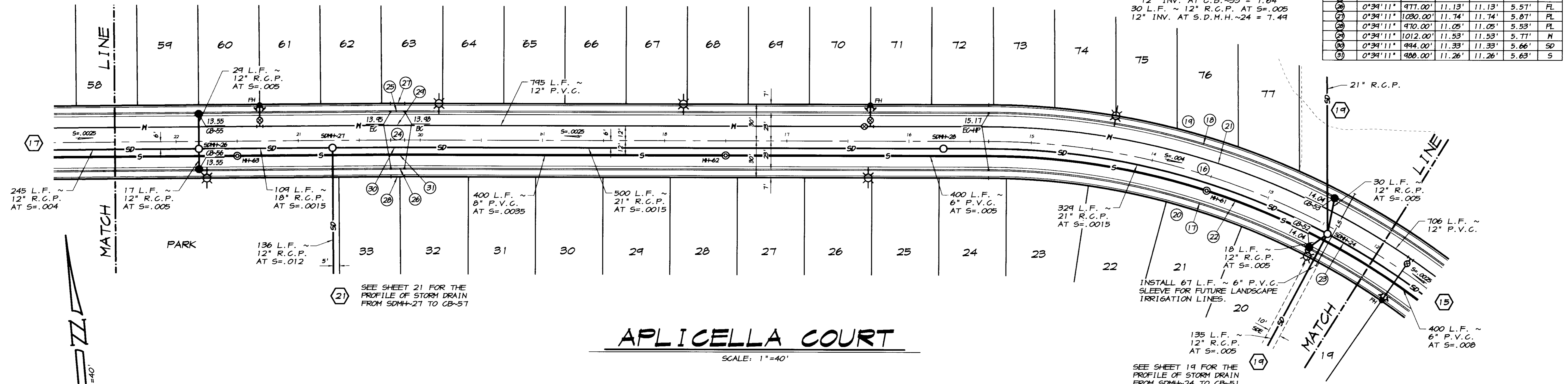
12" INV. AT C.B. ~56 = 9.62
 17 L.F. ~ 12" R.C.P. AT S=.005
 12" INV. AT S.D.M.H. ~26 = 9.53

CATCH BASIN DATA

12" INV. AT C.B. ~52 = 9.50
 18 L.F. ~ 12" R.C.P. AT S=.005
 12" INV. AT S.D.M.H. ~24 = 9.41

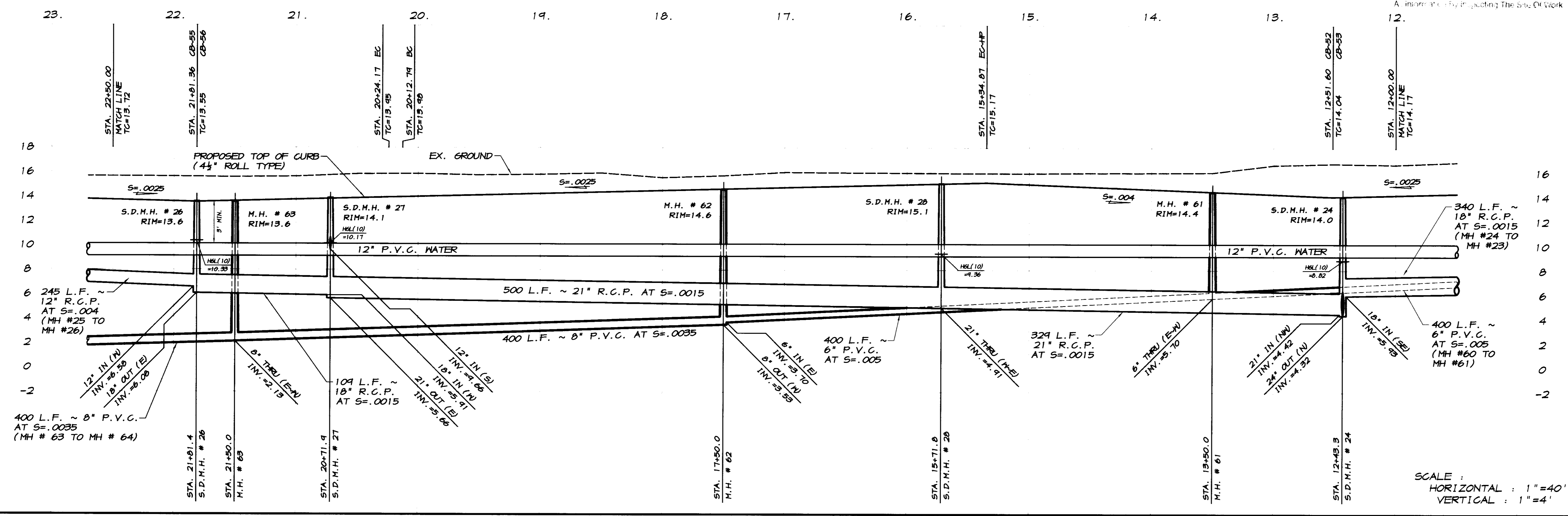
12" INV. AT C.B. ~53 = 7.64
 30 L.F. ~ 12" R.C.P. AT S=.005
 12" INV. AT S.D.M.H. ~24 = 7.44

CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	CHORD	TANGENT	DESC.
(16)	61°17'21"	600.00'	641.82'	611.65'	355.47'	CL
(17)	61°17'21"	577.00'	617.22'	588.21'	341.84'	FL
(18)	61°17'21"	623.00'	666.42'	635.10'	364.10'	FL
(19)	61°17'21"	630.00'	673.91'	642.24'	373.24'	FL
(20)	61°17'21"	570.00'	604.73'	581.07'	337.10'	FL
(21)	61°17'21"	612.00'	654.66'	623.89'	362.58'	N
(22)	61°17'21"	588.00'	628.98'	599.42'	348.36'	SD
(23)	61°17'21"	594.00'	635.40'	605.54'	351.42'	S
(24)	0°34'11"	1000.00'	11.40'	11.40'	5.70'	CL
(25)	0°34'11"	1023.00'	11.66'	11.66'	5.83'	FL
(26)	0°34'11"	477.00'	11.13'	11.13'	5.57'	FL
(27)	0°34'11"	1030.00'	11.74'	11.74'	5.87'	FL
(28)	0°34'11"	470.00'	11.05'	11.05'	5.53'	FL
(29)	0°34'11"	1012.00'	11.53'	11.53'	5.77'	N
(30)	0°34'11"	944.00'	11.33'	11.33'	5.66'	SD
(31)	0°34'11"	988.00'	11.26'	11.26'	5.63'	S



APLICELLA COURT
 SCALE: 1"=40'

RECORD DRAWING
 Date: 7/12/2008
 Any alterations to this drawing should verify with the original design. The size of work is indicated by the size of work.



BY: _____
 REVISION: _____
 DATE: _____
 DESCRIPTION: _____

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

PLAN AND PROFILE
 STA. 12+00 TO STA. 22+50
APLICELLA COURT
 OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

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

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

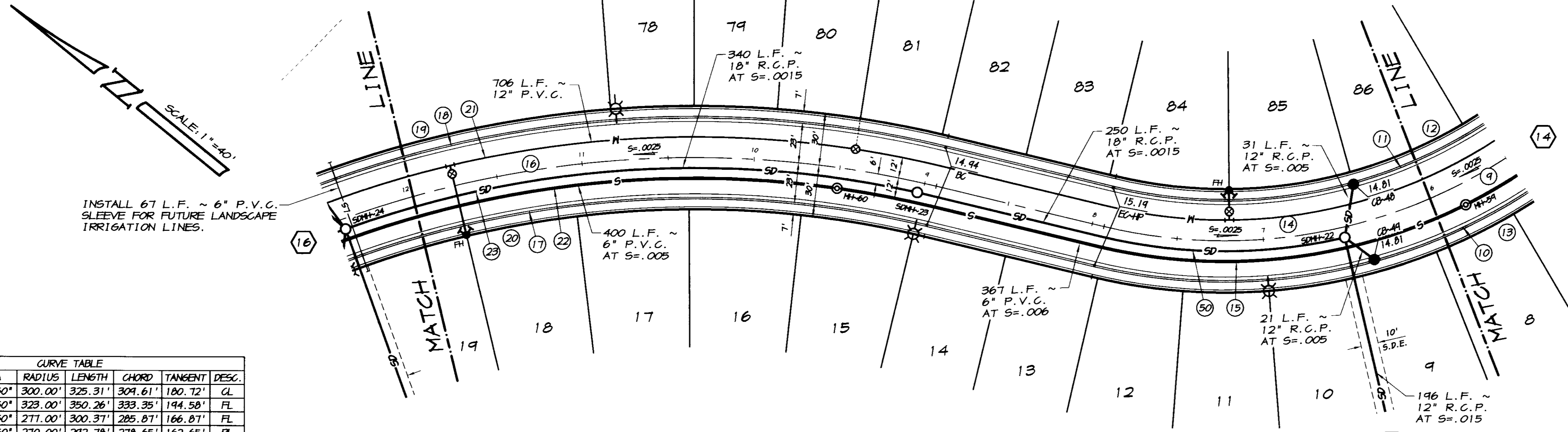
DRAWN BY: J.S.H.
 DATE: AUG. 14, 2008
 SCALE: NOTED
 DWG: 2466-CPPP
 CHECKED: KJM
 JOB #: 2466-04
 SHEET **16** OF **26**

SCALE:
 HORIZONTAL: 1"=40'
 VERTICAL: 1"=4'

CATCH BASIN DATA

12" INV. AT C.B. ~48 = 8.40
 31 L.F. ~ 12" R.C.P. AT S=.005
 12" INV. AT S.D.M.H. ~22 = 8.24

12" INV. AT C.B. ~49 = 7.43
 21 L.F. ~ 12" R.C.P. AT S=.005
 12" INV. AT S.D.M.H. ~22 = 7.32



INSTALL 67 L.F. ~ 6" P.V.C. SLEEVE FOR FUTURE LANDSCAPE IRRIGATION LINES.

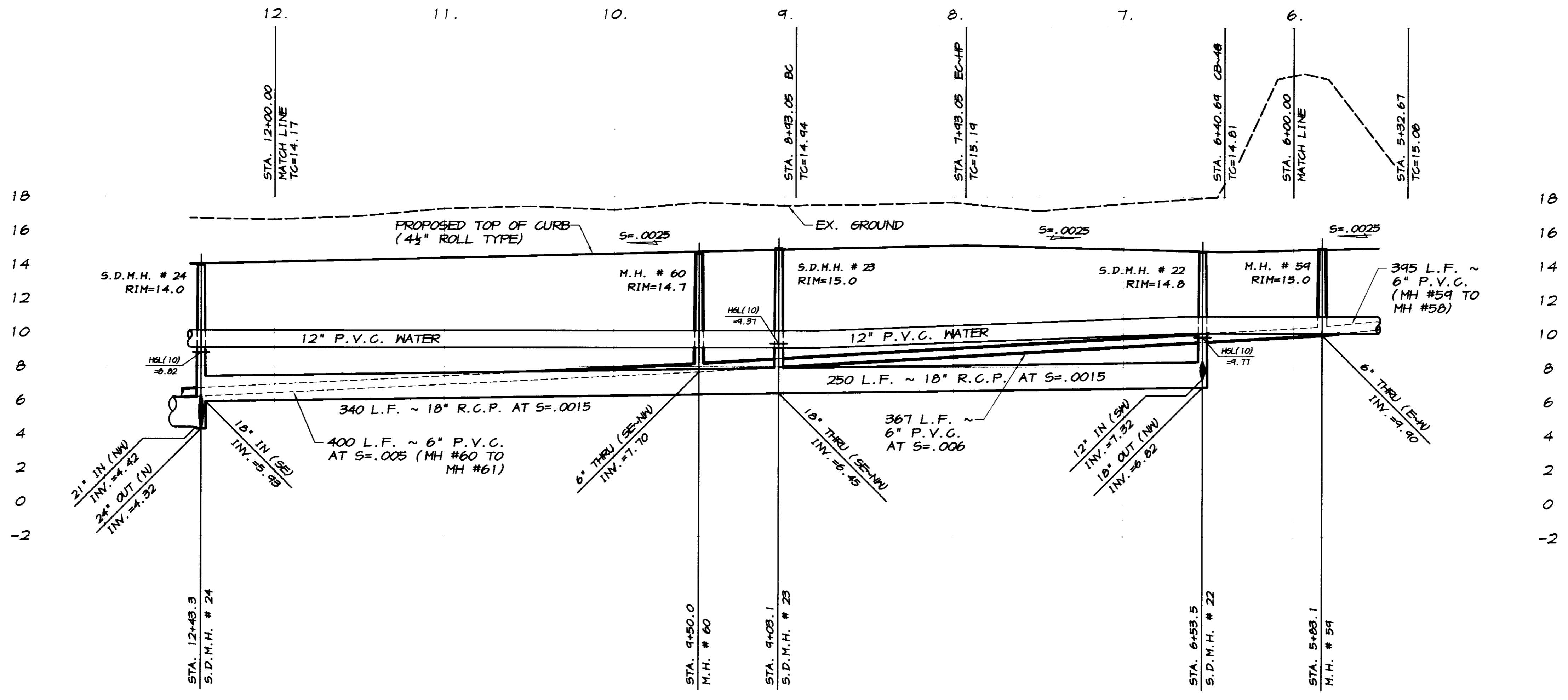
CURVE TABLE						
CURVE	DELTA	RADIUS	LENGTH	CHORD	TANGENT	DESC.
(4)	62°07'50"	300.00'	325.31'	309.61'	180.72'	CL
(10)	62°07'50"	323.00'	350.26'	333.35'	194.50'	FL
(11)	62°07'50"	277.00'	300.37'	285.87'	166.87'	FL
(12)	62°07'50"	270.00'	292.78'	278.65'	162.65'	PL
(13)	62°07'50"	330.00'	357.85'	340.57'	198.80'	PL
(14)	62°07'50"	288.00'	312.30'	297.22'	173.49'	N
(15)	62°07'50"	312.00'	338.33'	321.99'	187.95'	S
(16)	61°17'21"	600.00'	641.82'	611.65'	355.47'	CL
(17)	61°17'21"	577.00'	617.22'	588.21'	341.84'	FL
(18)	61°17'21"	623.00'	666.42'	635.10'	384.10'	FL
(19)	61°17'21"	630.00'	673.91'	642.24'	373.24'	PL
(20)	61°17'21"	570.00'	609.73'	581.07'	337.70'	PL
(21)	61°17'21"	612.00'	654.66'	623.84'	362.58'	N
(22)	61°17'21"	588.00'	628.98'	599.42'	348.36'	S
(23)	61°17'21"	594.00'	635.40'	605.54'	351.92'	SD
(24)	26°30'53"	306.00'	142.32'	141.04'	72.47'	SD

APLICELLA COURT

SCALE: 1"=40'

SEE SHEET 23 FOR THE PROFILE OF STORM DRAIN FROM SDMH-22 TO CB-50

RECORD DRAWING
 Date: 7/12/2008
 Any use of this drawing should verify all information by inspecting the site of work.



SCALE:
 HORIZONTAL : 1"=40'
 VERTICAL : 1"=4'

BY: _____

REVISION DATE DESCRIPTION

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

APPLICELLA COURT
 OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

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

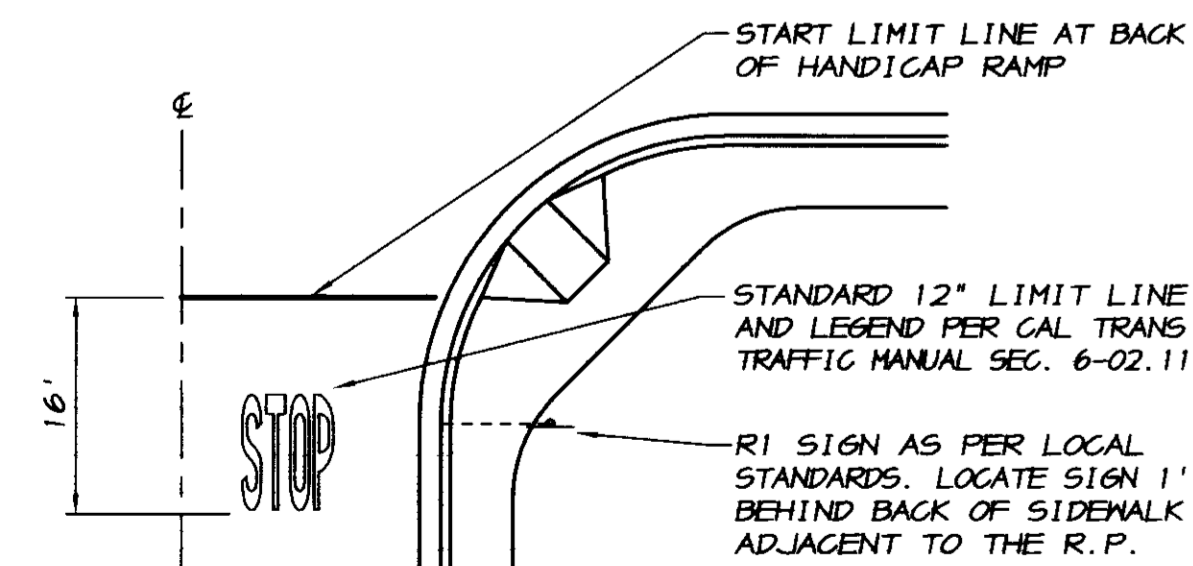
REGISTERED PROFESSIONAL ENGINEER
 No. 61619
 Exp. 6-30-07
 CIVIL
 STATE OF CALIFORNIA

DRAWN BY: J.S.H.
 DATE: AUG. 14, 2006
 SCALE: NOTED
 DWG: 2966-CPPP
 CHECKED: KM
 JOB #: 2966-04

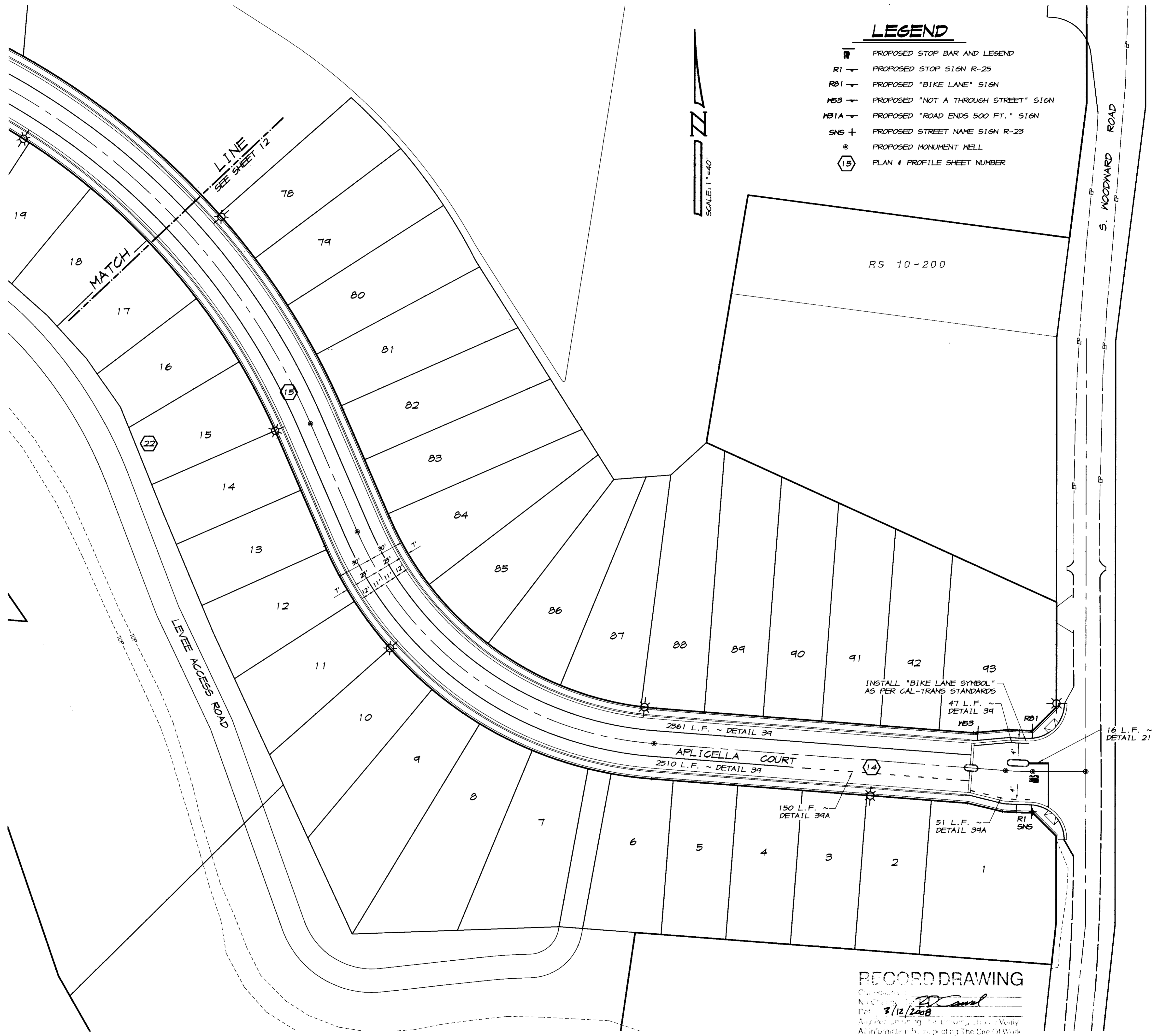
SHEET **15** OF **26**

STRIPING NOTES

- ALL WORK TO BE DONE SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS 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.
- THE DETAILS REFERRED TO ON THIS PLAN ARE THOSE AS SHOWN IN THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, TRAFFIC MANUAL, CHAPTER 6, "MARKINGS".
- THE CONTRACTOR SHALL REMOVE AND REPLACE ALL EXISTING PAVEMENT MARKINGS THAT WOULD CONFLICT WITH EXISTING TRAFFIC PATTERNS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TEMPORARY STRIPING THAT MAY BE REQUIRED.
- ALL LINES AND LEGENDS SHALL BE INSTALLED USING THERMOPLASTIC AND RAISED CERAMIC MARKERS UNLESS OTHERWISE NOTED ON THE PLANS.
- THE CONTRACTOR SHALL CONDUCT HIS WORK TO INTERFERE AS LITTLE AS POSSIBLE WITH THE PUBLIC TRAVEL, WHETHER VEHICULAR OR PEDESTRIAN. WHENEVER IT NECESSARY TO CROSS, OBSTRUCT, OR CLOSE ROADS, DRIVEWAYS AND WALKS, PUBLIC OR PRIVATE, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SUITABLE AND SAFE DETOURS, OR TEMPORARY EXPEDIENTS FOR THE ACCOMMODATION OF PUBLIC AND PRIVATE TRAVEL AND SHALL GIVE REASONABLE NOTICE TO OWNERS OF PRIVATE DRIVES BEFORE INTERFERING WITH THEM. SUCH MAINTENANCE OF TRAFFIC WILL NOT BE REQUIRED WHEN THE CONTRACTOR HAS OBTAINED WRITTEN PERMISSION FROM THE OWNER AND TENANT OF PRIVATE PROPERTY OR FROM AUTHORITY HAVING JURISDICTION OVER PUBLIC PROPERTY INVOLVED, TO OBSTRUCT TRAFFIC AT THE DESIGNATED POINT.
- THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE LATEST EDITION OF THE STATE OF CALIFORNIA, MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE ZONES. ANY PROPOSED DEVIATION OR MODIFICATIONS TO THESE TRAFFIC CONTROL REQUIREMENTS SHALL BE SUBMITTED TO THE CITY, COUNTY OR STATE, WHICHEVER IS APPROPRIATE, FOR APPROVAL.
- 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 6, "EXCAVATIONS, TRENCHES, EARTHWORK."
- ALL BARRICADES AND OBSTRUCTIONS SHALL BE ILLUMINATED WITH WARNING LIGHTS FROM SUNSET TO SUNRISE. MATERIAL STORAGE AND CONDUCT OF THE WORK ON OR ALONGSIDE PUBLIC STREETS AND HIGHWAYS SHALL CAUSE THE MINIMUM OBSTRUCTION AND INCONVENIENCE TO THE TRAVELING PUBLIC.
- ALL BARRICADES, SIGNS, LIGHTS AND OTHER PROTECTIVE DEVICES SHALL BE INSTALLED AND MAINTAINED IN CONFORMANCE WITH APPLICABLE STATUTORY REQUIREMENTS, AND WHERE WITHIN RAILROAD AND HIGHWAY RIGHT-OF-WAY, AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION THEREOVER.
- THE CONTRACTOR SHALL NOTIFY OWNERS OF ADJACENT PROPERTIES AND UTILITIES WHEN PROSECUTION OF THE WORK MAY AFFECT THEM. WHEN IT IS NECESSARY TO DENY ACCESS TO PROPERTY, OR WHEN ANY UTILITY SERVICE CONNECTION MUST BE INTERRUPTED, THE CONTRACTOR SHALL GIVE NOTICES NOT LESS THAN FORTY-EIGHT HOURS IN ADVANCE TO ENABLE THE AFFECTED PERSONS TO PROVIDE FOR THEIR NEEDS. NOTICES SHALL CONFORM TO ANY APPLICABLE LOCAL ORDINANCES AND WHETHER DELIVERED IN WRITING OR ORALLY, WILL INCLUDE APPROPRIATE INFORMATION CONCERNING THE INTERRUPTION AND INSTRUCTIONS ON HOW TO LIMIT THEIR INCONVENIENCE.
- UTILITIES AND OTHER CONCERNED AGENCIES SHALL BE CONTACTED AT LEAST FORTY-EIGHT HOURS PRIOR TO CUTTING OR CLOSING A STREET OR OTHER TRAFFIC AREA, EXCAVATING NEAR UNDERGROUND UTILITIES OR POLE LINES, OR PERFORMING WORK WHICH WILL AFFECT THEIR OPERATIONS. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT AT PH: (800) 227-2600 TO LOCATE ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL AREAS OF THE SITE USED BY HIM AND ALL SUBCONTRACTORS IN THE PERFORMANCE OF THEIR WORK. THE CONTRACTOR SHALL EXERT FULL CONTROL OVER ALL THE ACTIONS OF ALL EMPLOYEES AND OTHER PERSONS WITH RESPECT TO THE USE AND PRESERVATION OF PROPERTY AND FACILITIES, EXCEPT SUCH CONTROLS AS MAY BE SPECIFICALLY RESERVED TO THE OWNER OR OTHERS. THE CONTRACTOR HAS THE RIGHT TO EXCLUDE FROM THE SITE ALL PERSONS WHO HAVE NO PURPOSE RELATED TO THE WORK OR ITS INSPECTION, AND MAY REQUIRE ALL PERSONS ON THE SITE (EXCEPT OWNERS EMPLOYEES) TO OBSERVE THE SAME REGULATIONS AS HE REQUIRES OF HIS EMPLOYEES.



STOP BAR
LEGEND DETAIL
NO SCALE



RECORD DRAWING
 Drawn by: J.S.H.
 Date: AUG. 14, 2008
 Scale: 1"=40'
 DWG: 2966-STRIFE
 Checked: KM
 Job #: 2966-04
 SHEET 11 OF 26

ASSOCIATED ENGINEERING, INC.
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 MODESTO, CALIFORNIA 95356
 PH: (209) 545-3390 FAX: (209) 545-3875

STRIPING AND SIGNAGE PLAN
OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

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

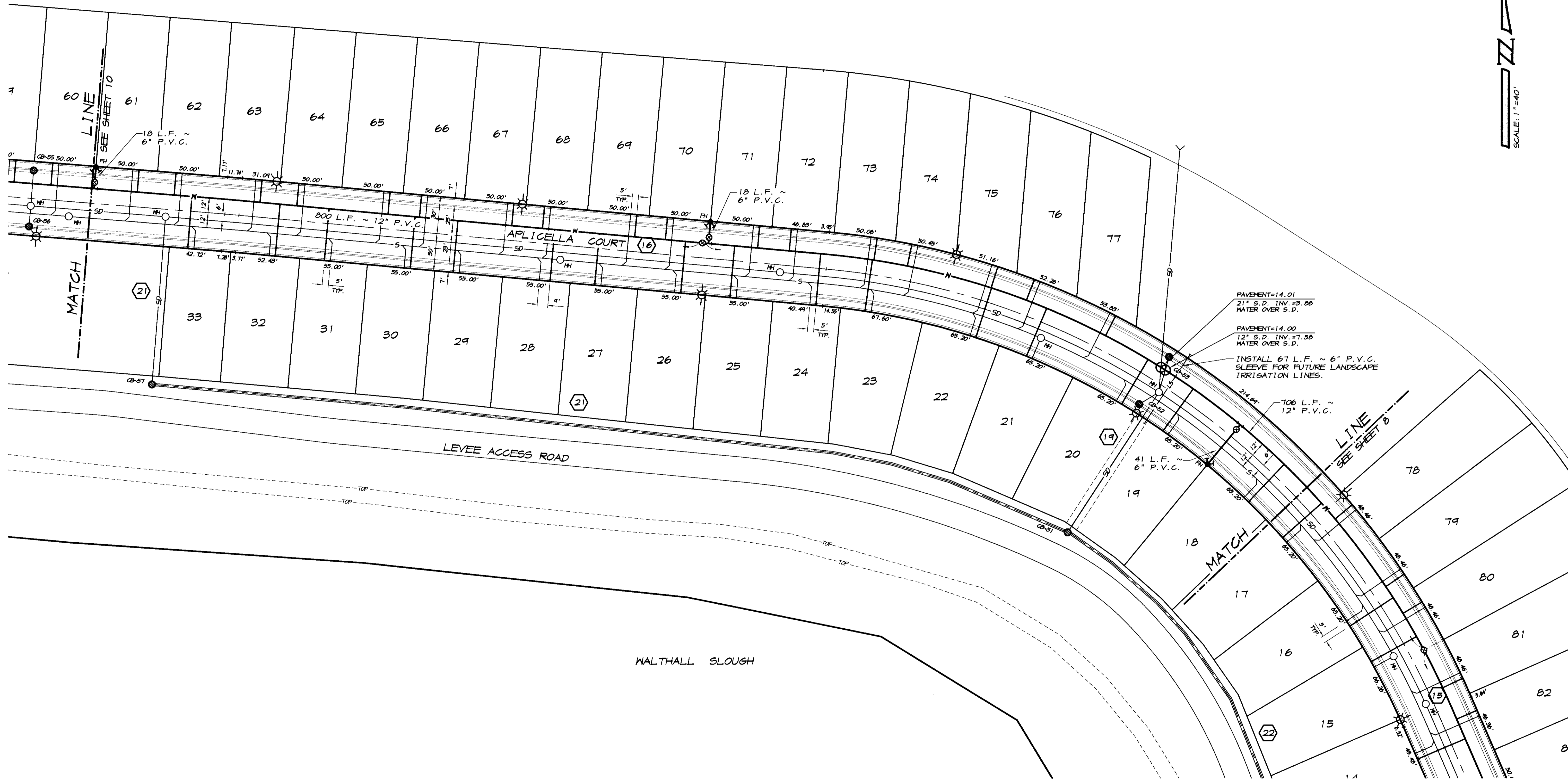
REGISTERED PROFESSIONAL ENGINEER
 No. 61619
 Exp. 6-30-07
 CIVIL
 STATE OF CALIFORNIA

Drawn by: J.S.H.
 Date: AUG. 14, 2008
 Scale: 1"=40'
 DWG: 2966-STRIFE
 Checked: KM
 Job #: 2966-04
 SHEET 11 OF 26

SW 4157 4252

LAKE

WALTHALL SLOUGH



REVISION	DATE	DESCRIPTION

ASSOCIATED ENGINEERING, INC.
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WATER PLAN
OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

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



DRAWN BY: J.S.H.
 DATE: AUG. 14, 2006
 SCALE: 1"=40'
 DWG: 2966-MTR
 CHECKED: KM
 JOB #: 2966-04

RECORD DRAWING
 Corrections By: *RC*
 No Changes By: *RC*
 Date: 3/12/2008
 Any Person Using This Drawing Should Verify All Conditions By Inspecting The Site of Work

SHEET **9**
 OF **26**

STANDARD LOCATIONS

(UNLESS NOTED OTHERWISE)

MAINS : 12' FROM STREET CENTERLINES.

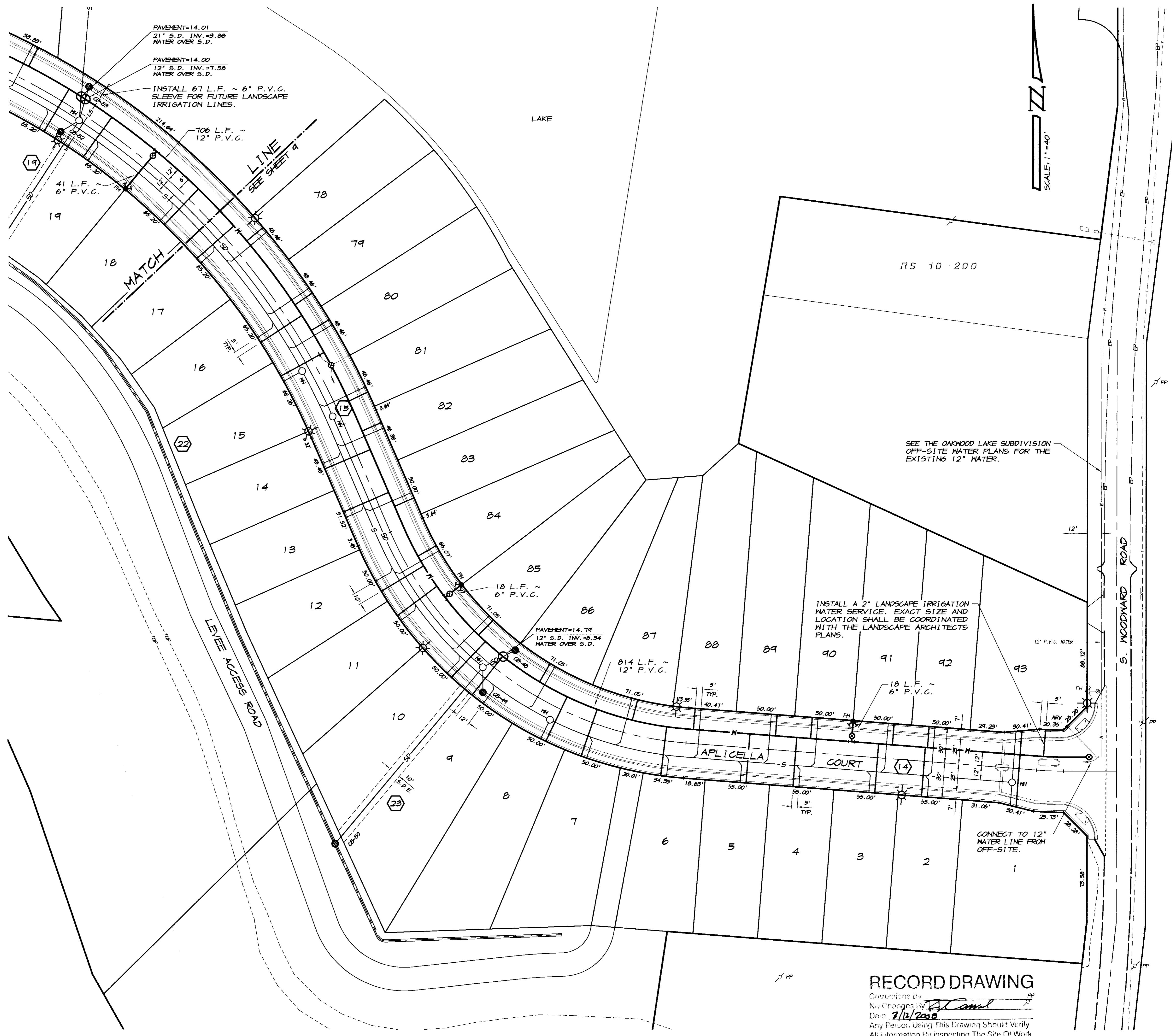
SERVICES : 5' MINIMUM FROM THE 4" HOUSE SANITARY SEWER LATERAL.

GENERAL NOTES

1. VALVE SIZES: ALL VALVES SHALL BE THE SAME SIZE AS THE PIPE.
2. FITTINGS: ALL FITTINGS SHALL BE THE SAME SIZE AS THE PIPE. WHERE PIPE SIZES REDUCE AT A FITTING, THE REDUCTION MUST OCCUR THROUGH THE FITTING, OR AT THE OUTLET. PIPE SIZES MAY NOT BE REDUCED PRIOR TO THE FITTING.

LEGEND

- EP--- EXISTING EDGE OF PAVEMENT
- EF--- EXISTING FENCE
- ⊙ EXISTING MONITORING WELL
- M--- EXISTING WATER LINE
- ARV ⊙ EXISTING AIR RELIEF VALVE
- S--- EXISTING SANITARY SEWER LINE
- FS--- EXISTING SEWER FORCE MAIN
- FO--- EXISTING SEWER FORCE OUTFALL
- ⊙ FH EXISTING FIRE HYDRANT
- ⊙ MH EXISTING MANHOLE
- ⊙ EXISTING ELECTROLIER
- M--- PROPOSED WATER LINE
- S--- PROPOSED DOMESTIC WATER SERVICE
- ⊙ FH PROPOSED FIRE HYDRANT
- ⊙ BO PROPOSED TEMPORARY BLOW-OFF
- S--- PROPOSED SANITARY SEWER LINE
- ⊙ MH PROPOSED SANITARY SEWER MANHOLE
- S--- PROPOSED 4" HOUSE SEWER LATERAL
- SD--- PROPOSED STORM DRAIN LINE
- ⊙ MH PROPOSED STORM DRAIN MANHOLE
- ⊙ CB-31 PROPOSED STORM DRAIN CATCH BASIN
- ⊙ EXISTING ELECTROLIER



RECORD DRAWING
 Corrections By: *[Signature]*
 No Changes By: *[Signature]*
 Date: 3/12/2010
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Or 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

WATER PLAN
OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

TRACT NO. 3477

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

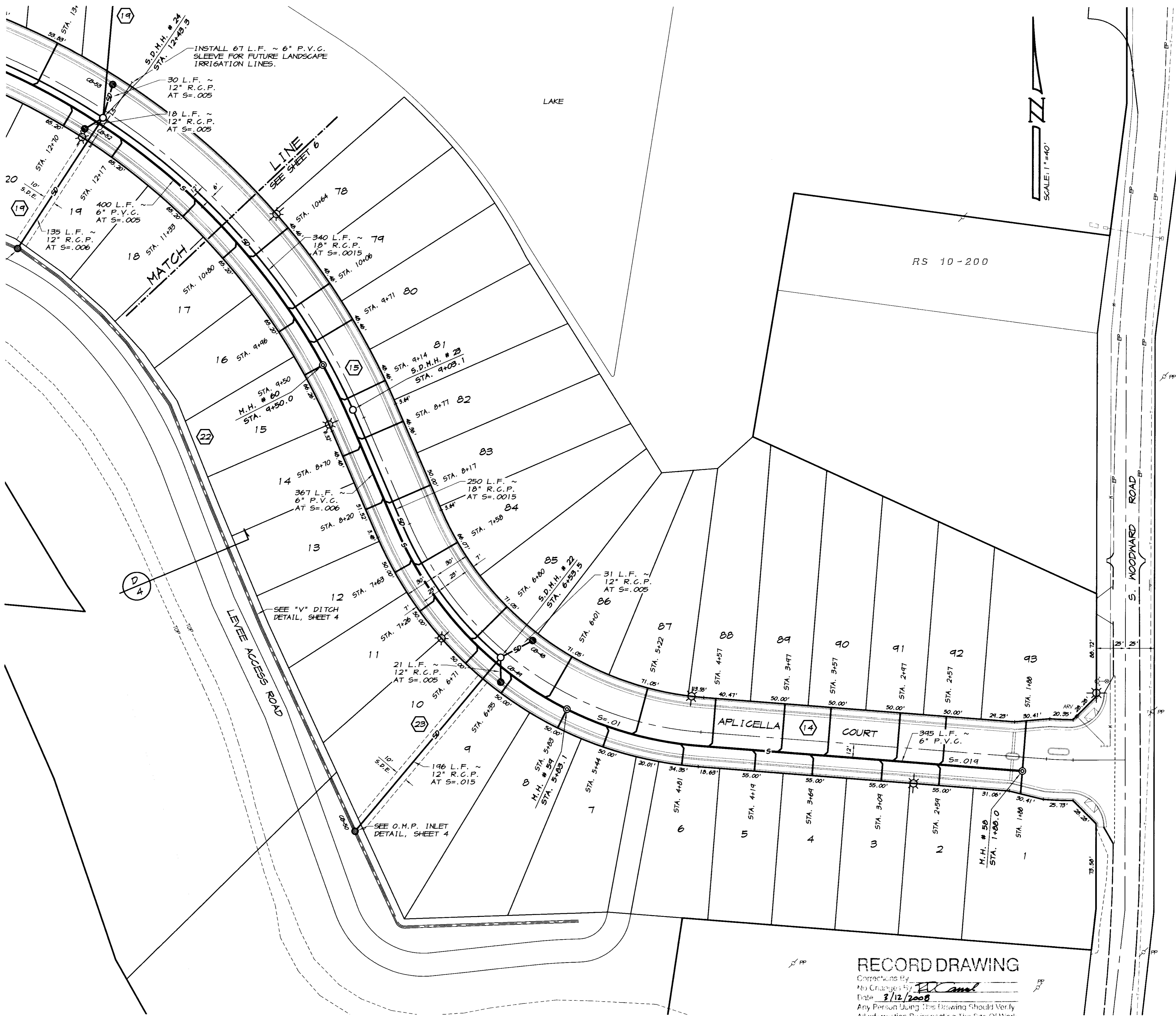
REGISTERED PROFESSIONAL ENGINEER
 No. 61619
 Exp. 6-30-07
 CIVIL
 STATE OF CALIFORNIA

DRAWN BY: J.S.H.
 DATE: AUG. 14, 2006
 SCALE: 1"=40'
 DWG: 2966-NTR
 CHECKED: KM
 JOB #: 2966-04

SHEET **8** OF 26

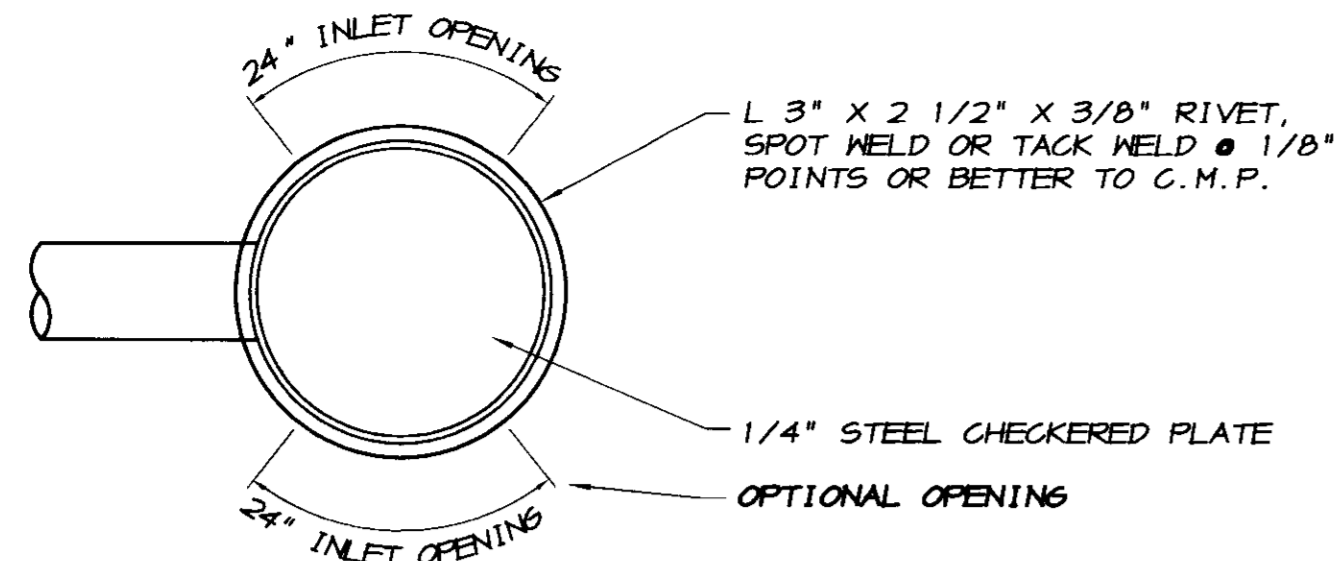
LEGEND

- EP --- EXISTING EDGE OF PAVEMENT
- EF --- EXISTING FENCE
- ⊙ MW --- EXISTING MONITORING WELL
- S --- EXISTING SANITARY SEWER LINE
- FS --- EXISTING SEWER FORCE MAIN
- FO --- EXISTING SEWER FORCE OUTFALL
- ⊙ MH --- EXISTING MANHOLE
- W --- EXISTING WATER LINE
- ARV ⊙ --- EXISTING AIR RELIEF VALVE
- ⊙ --- EXISTING ELECTROLIER
- S --- PROPOSED SANITARY SEWER LINE
- ⊙ MH --- PROPOSED SANITARY SEWER MANHOLE
- L --- PROPOSED 4" HOUSE SEWER LATERAL
- SD --- PROPOSED STORM DRAIN LINE
- ⊙ MH --- PROPOSED STORM DRAIN MANHOLE
- ⊙ CB-31 --- PROPOSED STORM DRAIN CATCH BASIN
- ⊙ --- PROPOSED ELECTROLIER

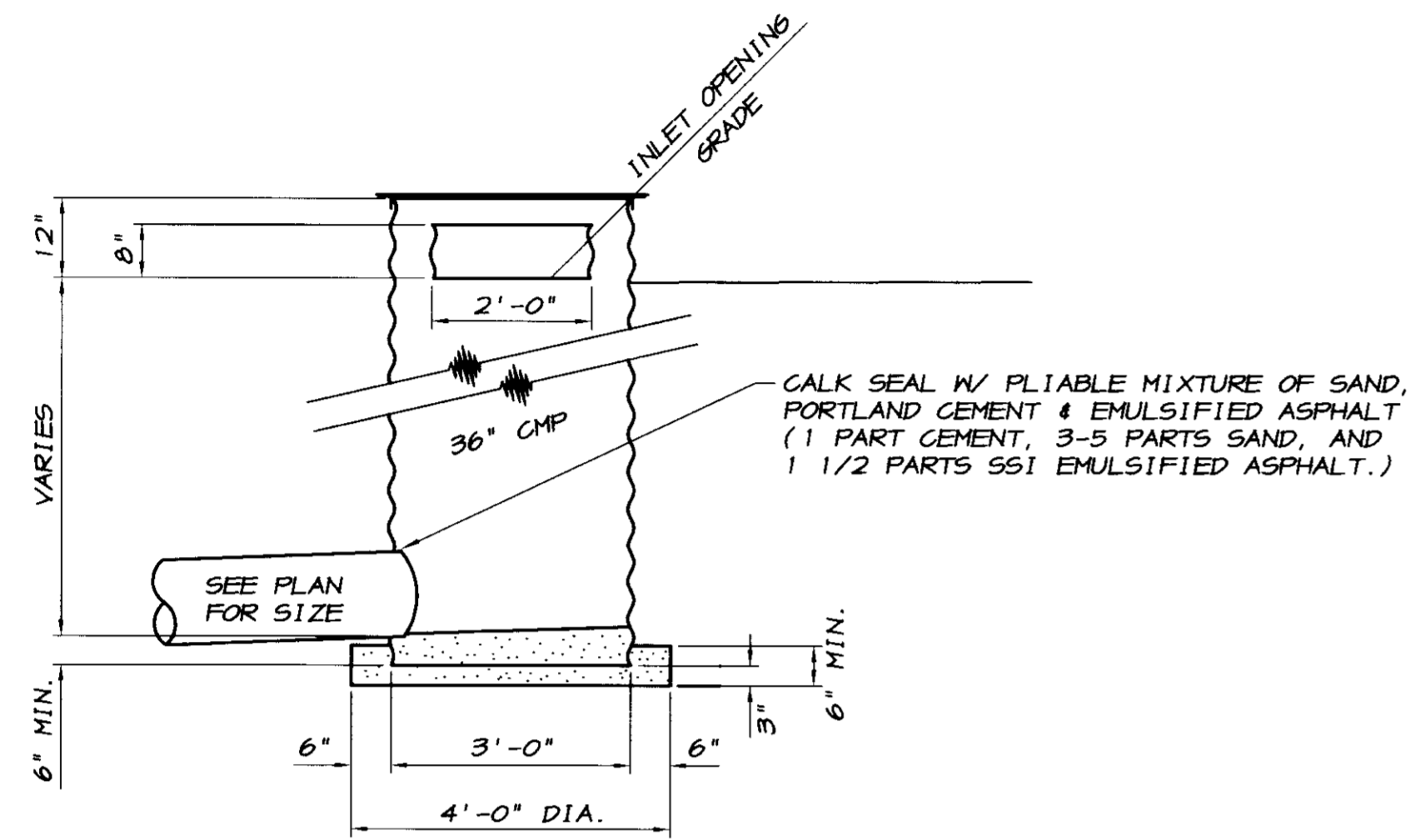


RECORD DRAWING
 Corrections By: *J.C. Carrel*
 No Changes By: *J.C. Carrel*
 Date: 3/12/2008
 Any Person Using This Drawing Should Verify
 All Information By Inspecting The Site Of Work

BY		REVISION		DATE		DESCRIPTION	
<p>ASSOCIATED ENGINEERING, INC. Surveying • Design • Planning 4206 TECHNOLOGY DRIVE MODESTO, CALIFORNIA 95356 PH: (209) 545-3390 FAX: (209) 545-3875</p>							
<p>SANITARY SEWER AND STORM DRAIN PLAN OAKWOOD LAKE SUBDIVISION, UNIT 4 SAN JOAQUIN COUNTY CALIFORNIA</p>							
<p>TRACT NO. 3477</p>							
<p><i>J.C. Carrel</i> RYAN CARREL, R.C.E. 61619 DAVE SKIDMORE, L.S. 7126</p>							
<p>REGISTERED PROFESSIONAL ENGINEER No. 61619 Exp. 6-30-07 CIVIL STATE OF CALIFORNIA</p>							
<p>DRAWN BY: J.S.H. DATE: AUG. 14, 2006 SCALE: 1"=40' DWG: 2966-SSSD CHECKED: KJN JOB #: 2966-04</p>							
<p>SHEET 5 OF 26</p>							



TOP VIEW

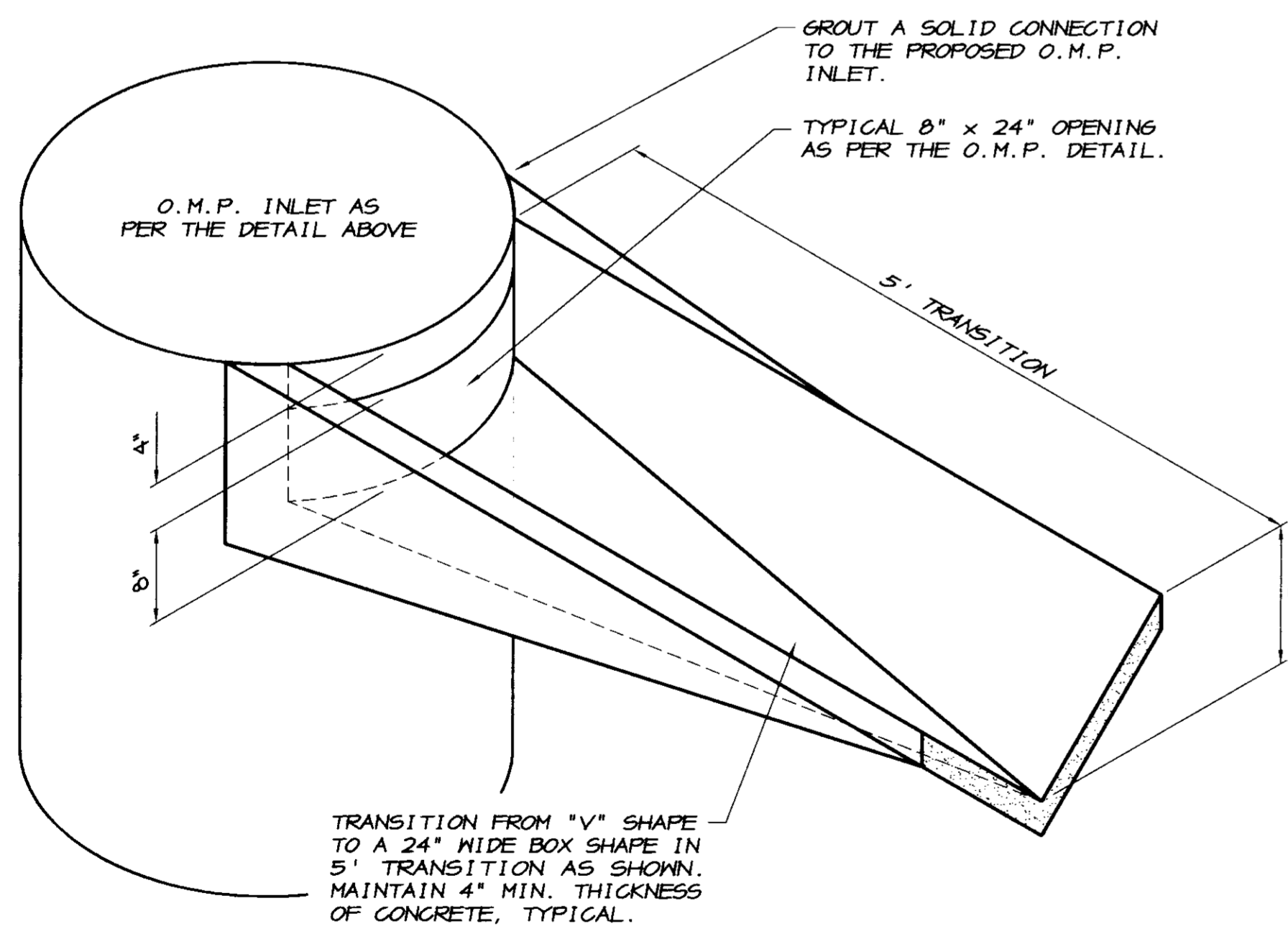


SECTION VIEW

DETAIL AS PER CAL-TRANS STD. PLANS DRWG. NO. D75A

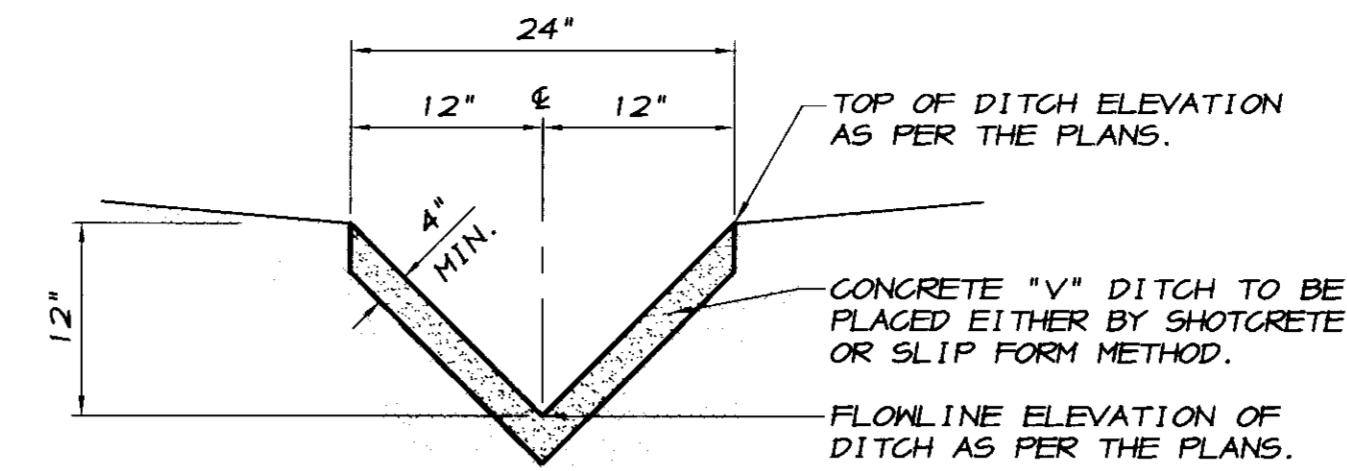
O.M.P. INLET DETAIL

SCALE: 1"=2'



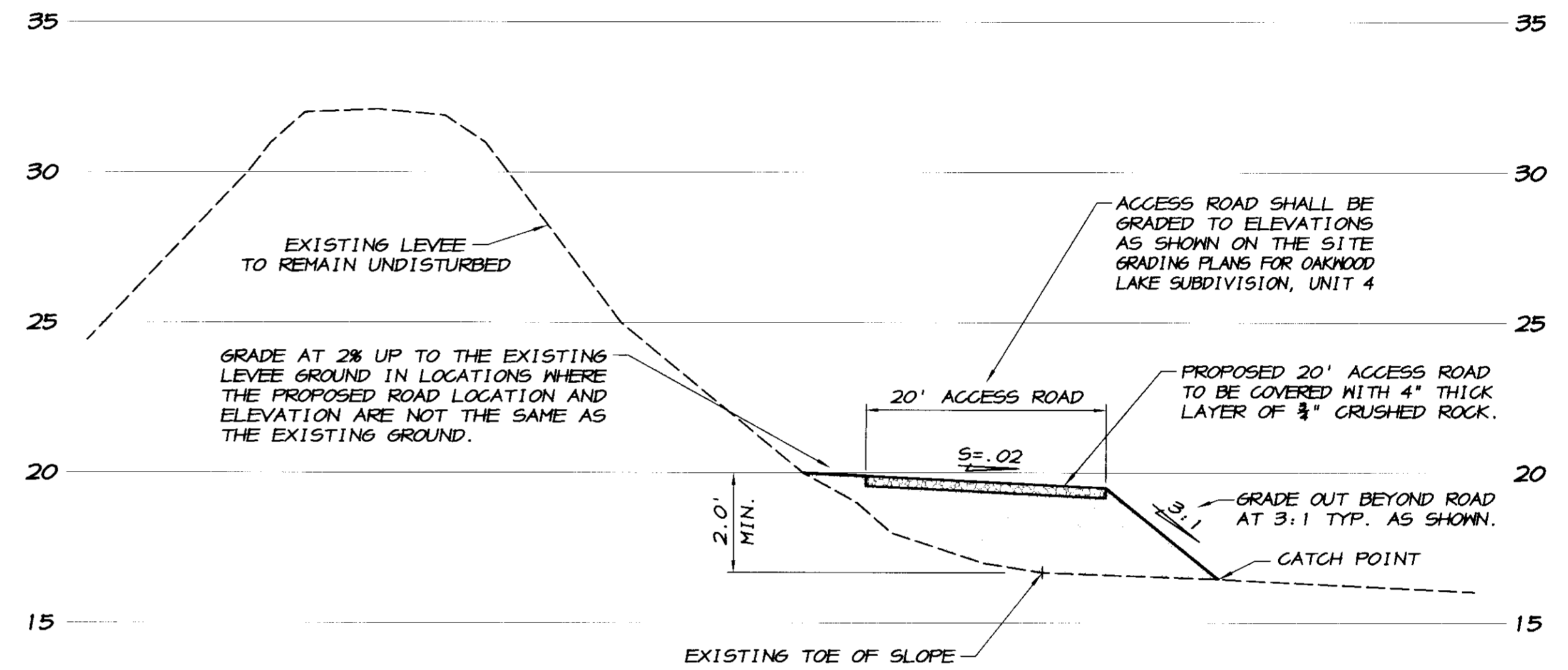
CONCRETE "V" DITCH TRANSITION INLET DETAIL

NO SCALE



CONCRETE "V" DITCH DETAIL

SCALE: 1"=1'



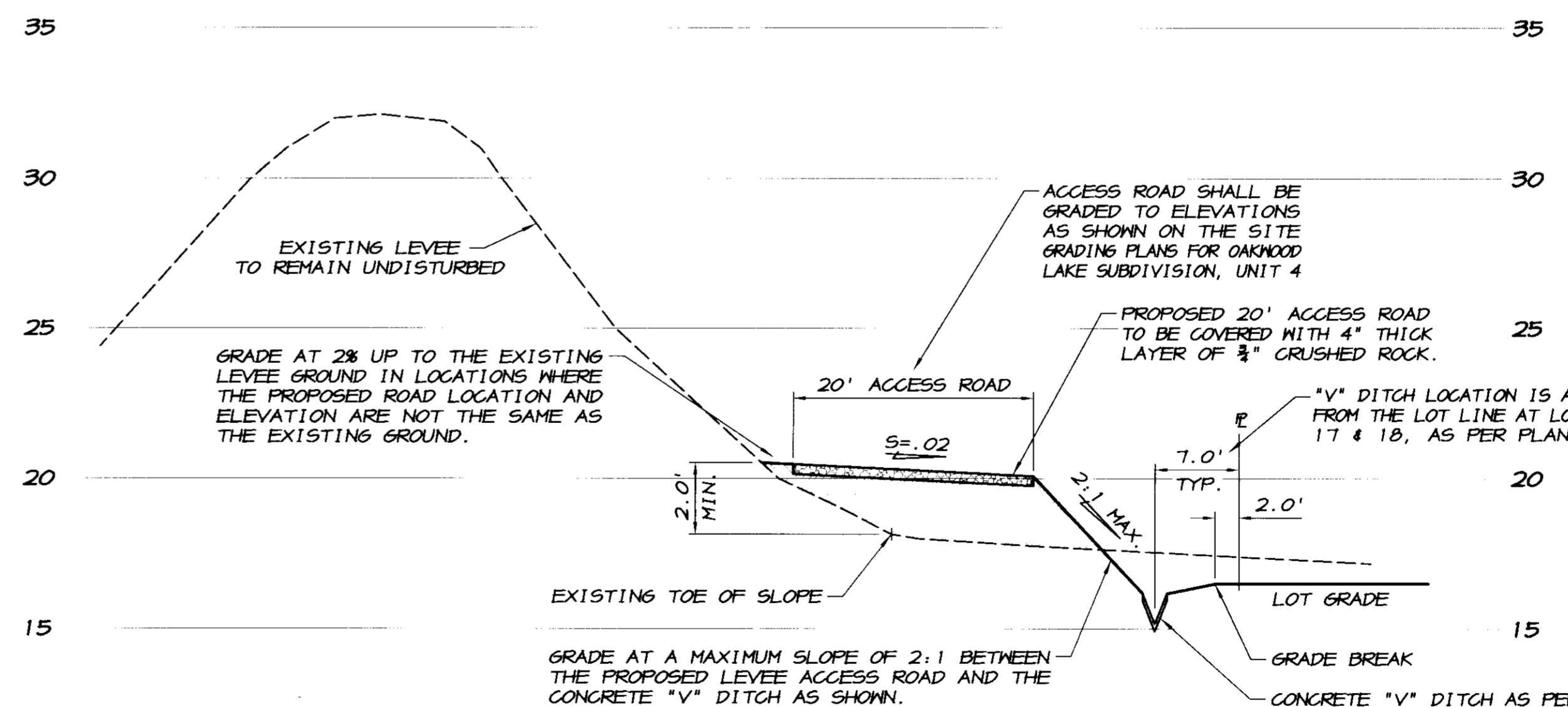
20' LEVEE ACCESS ROAD DETAIL SECTION "C"

SECTION "C"

SCALE: HORIZ. 1"=10' VERTICAL: 1"=4'

RECORD DRAWING

Contractors: Ryan Carrel
 No. 61619
 Date: 7/12/2008
 Any Person Using This Drawing Should Verify All Information by Inspecting The Site Of Work



20' LEVEE ACCESS ROAD DETAIL SECTION "D"

SECTION "D"

SCALE: HORIZ. 1"=10' VERTICAL: 1"=4'

REVISION	DATE	DESCRIPTION

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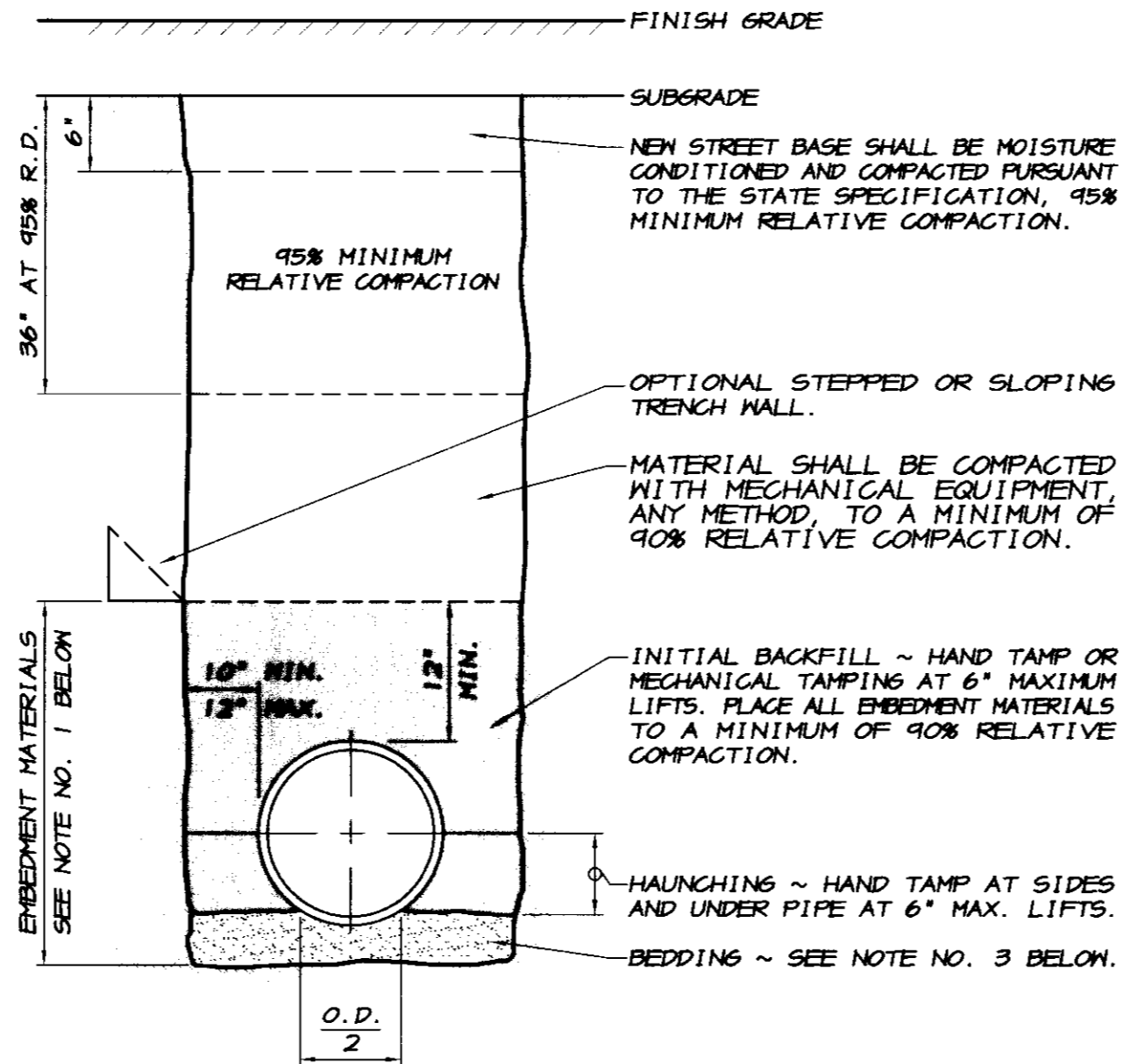
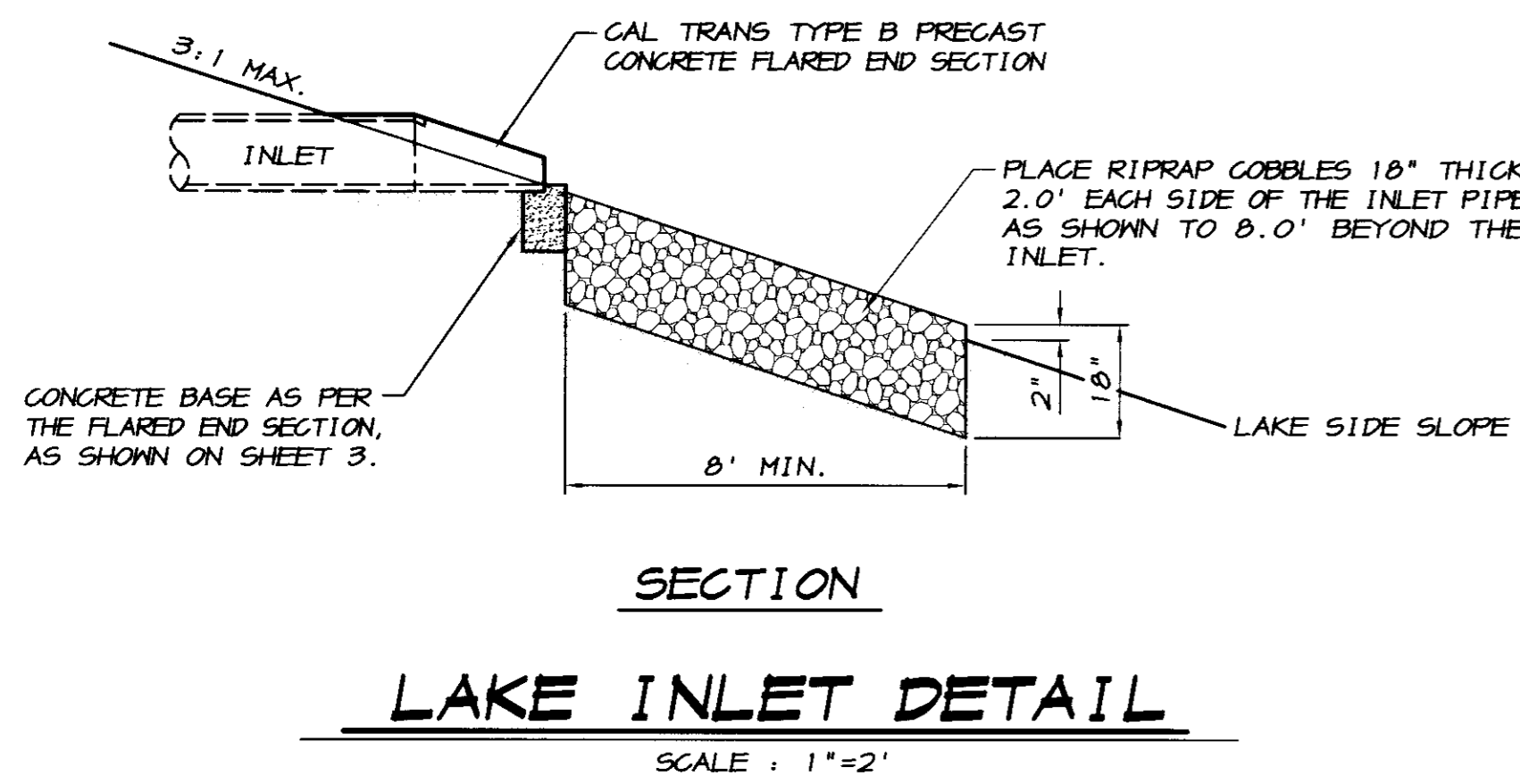
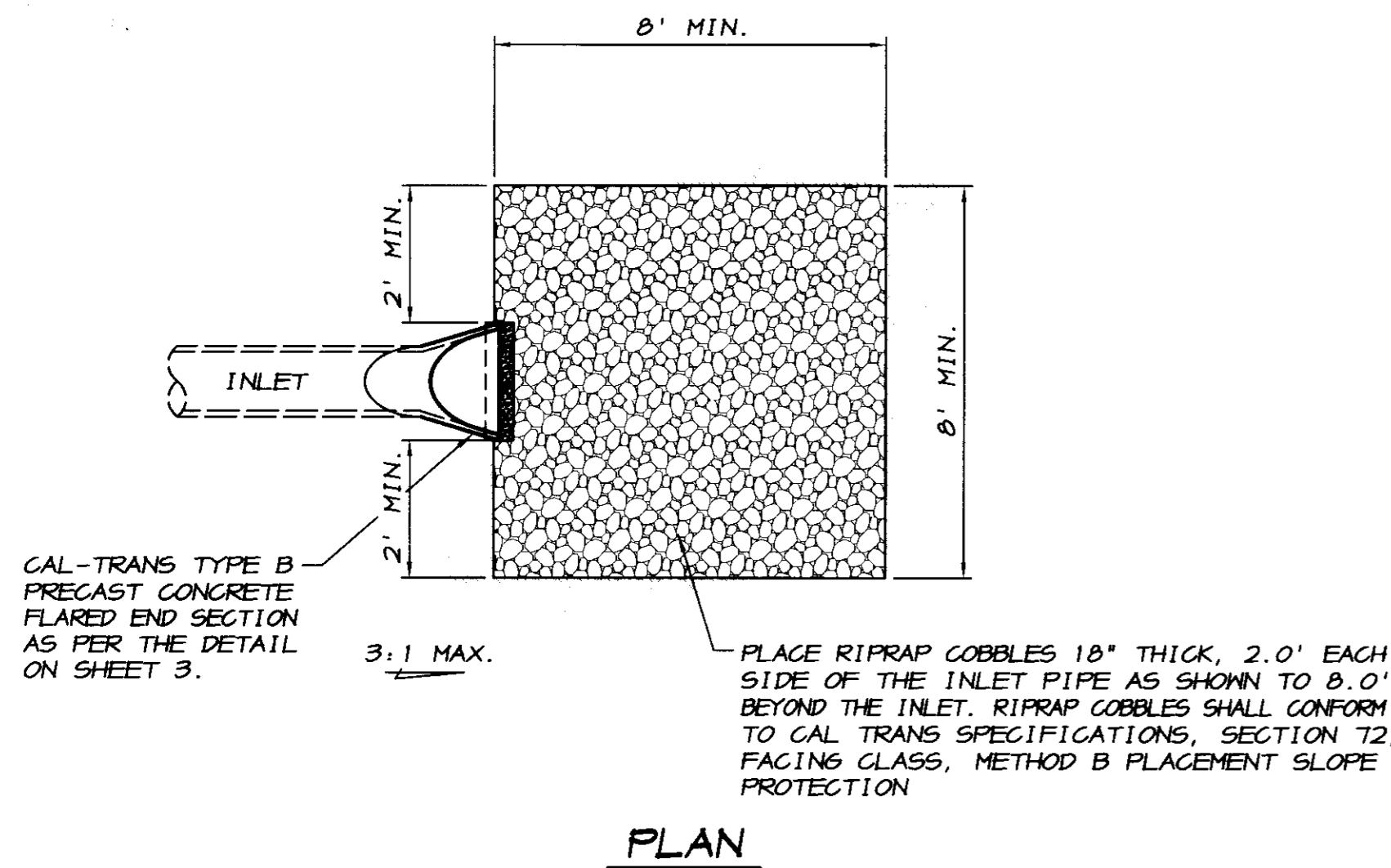
TRACT NO. 3477
SECTIONS & DETAILS
OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

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



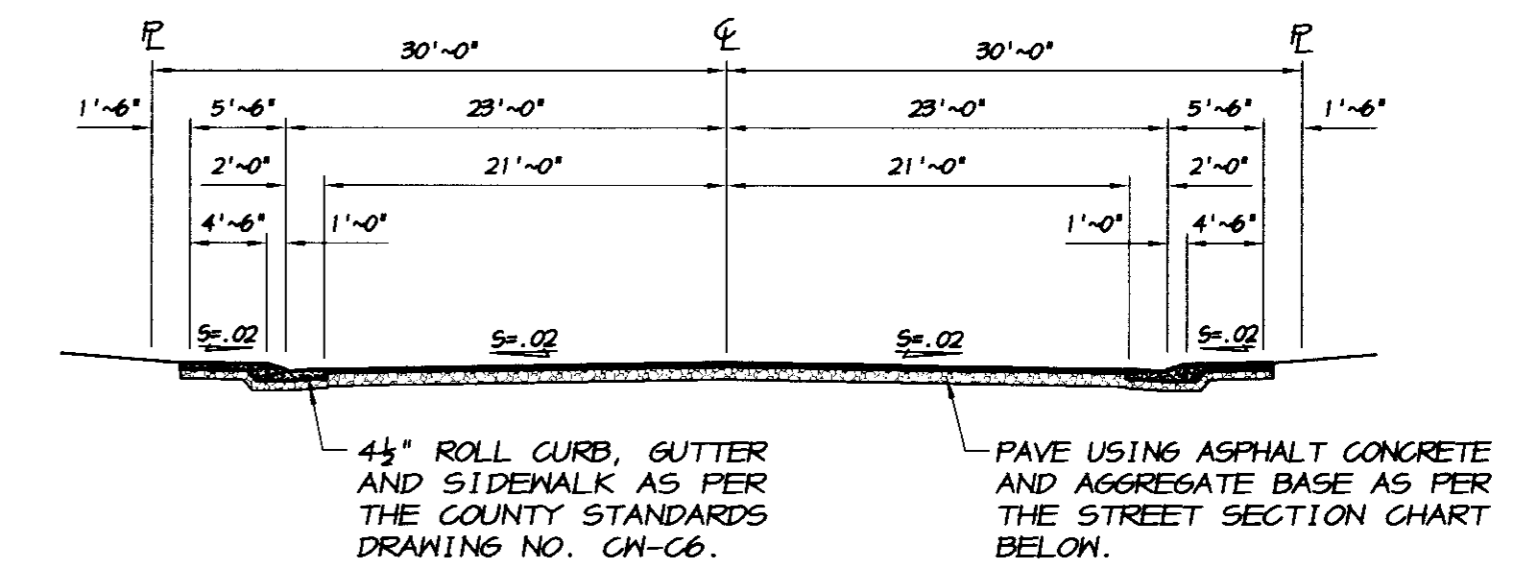
DRAWN BY: J.S.H.
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 CHECKED: KN
 JOB #: 296H-04

SHEET **4** OF 26

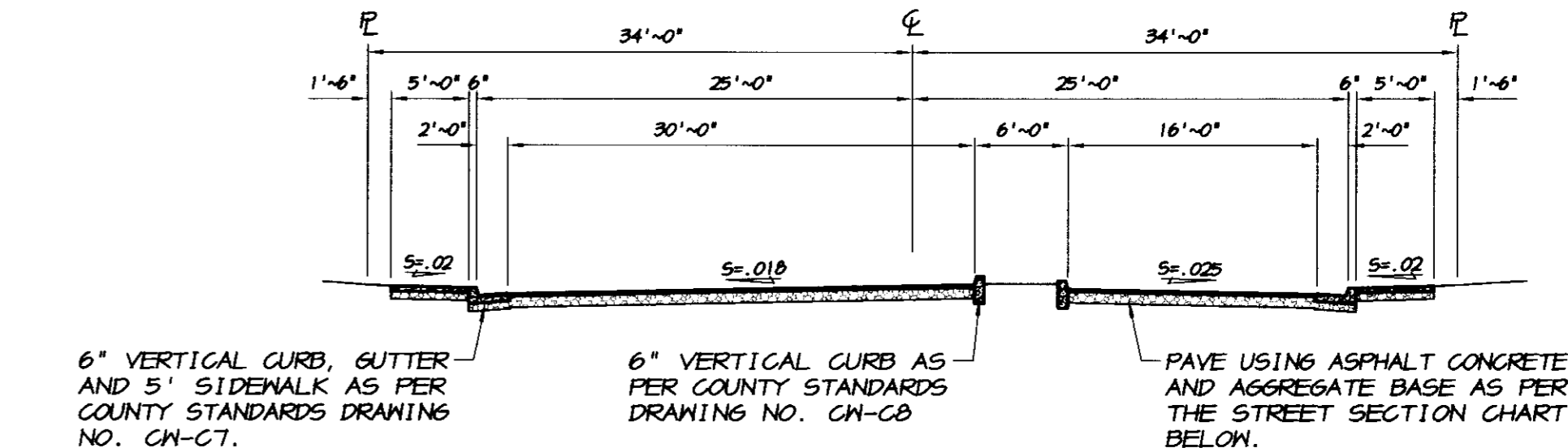


- NOTES**
- ALL EMBEDMENT MATERIALS SHALL CONFORM TO CLASS I, II OR III SOIL CLASSIFICATIONS AS DESIGNATED IN ASTM D-2922.
 - CLASS I: ANGULAR 3/4 TO 1 1/2\"/>
 - SELECTED NATIVE MATERIALS CONFORMING TO CLASS I, II, OR III MAY BE USED IN ALL EMBEDMENT ZONES. NATIVE MATERIAL SHALL BE FREE OF ORGANIC MATERIAL, STONES OR LUMPS EXCEEDING 3\"/>
 - ANY AREA AT THE BOTTOM OF THE TRENCH DETERMINED TO BE UNSUITABLE BY THE GEOTECHNICAL ENGINEER SHALL BE REMOVED AND REPLACED WITH 6\"/>
 - JETTING WILL NOT BE ALLOWED IN THE EMBEDMENT ZONES. COMPACTION OF EMBEDMENT MATERIALS SHALL CONSIST OF HAND TAMPING AND/OR MECHANICAL TAMPING.

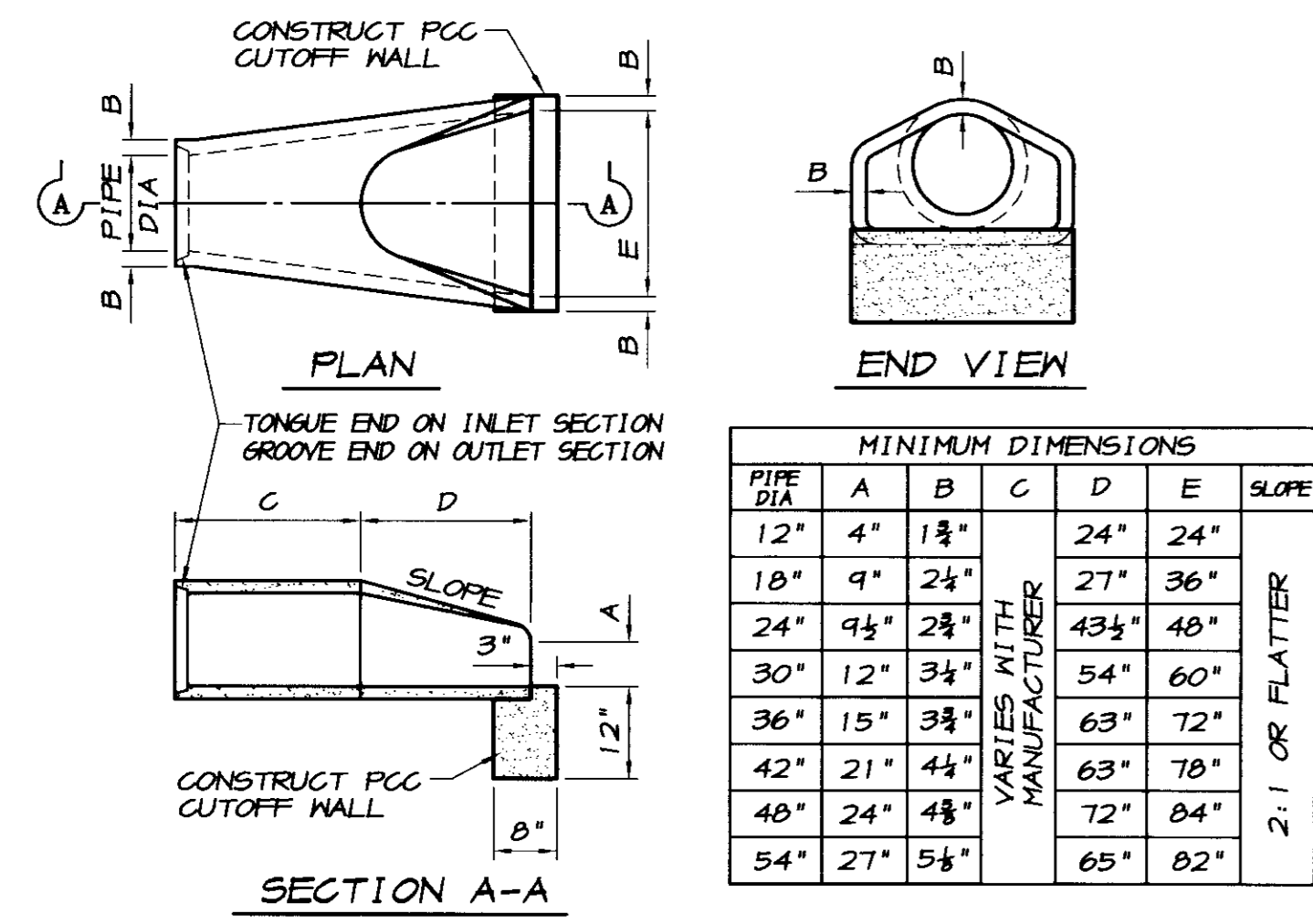
**P.V.C. SANITARY SEWER
TRENCH SECTION**
NO SCALE



**TYPICAL SECTION
APLICELLA COURT**
SCALE: 1\"/>



**TYPICAL ENTRYWAY
APLICELLA COURT**
SCALE: 1\"/>



PIPE DIA	MINIMUM DIMENSIONS					SLOPE
	A	B	C	D	E	
12"	4"	1 1/2"		24"	24"	2:1 OR FLATTER
18"	9"	2 1/2"		27"	36"	
24"	9 1/2"	2 3/4"		43 1/2"	48"	
30"	12"	3 1/4"		54"	60"	
36"	15"	3 3/4"		63"	72"	
42"	21"	4 1/4"		63"	78"	
48"	24"	4 3/4"		72"	84"	
54"	27"	5 1/4"		65"	82"	

**PRECAST CONCRETE
FLARED END SECTION DETAIL**
NO SCALE

UTILITY CONTACTS

- SANITARY SEWER ~ OAKWOOD LAKE WATER DISTRICT
ATTN.: MIKE GILTON PH. (209) 634-6920
- DOMESTIC WATER ~ OAKWOOD LAKE WATER DISTRICT
ATTN.: MIKE GILTON PH. (209) 634-6920
- STORM DRAINAGE ~ OAKWOOD LAKE WATER DISTRICT
ATTN.: MIKE GILTON PH. (209) 634-6920
- 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
- STREET LIGHTING ~ PACIFIC GAS AND ELECTRIC CO.
ATTN.: THOMAS SAMANIEGO PH. (209) 942-1793

STREET SECTIONS	RIGHT OF WAY WIDTH		SIDEWALK WIDTH		CURB TYPE		PROPERTY LINE TO FLOW LINE		STRUCTURAL SECTION		TRAFFIC INDEX	
	50'	60'	4 1/2\"/>									
APLICELLA COURT ENTRY			5.0'				0.20'	1.00'	5.0	5		
APLICELLA COURT			4.5'				0.20'	1.00'	5.0	5		

R-VALUE NOTE
R-VALUE TESTING SHALL BE PERFORMED ON SUBGRADE AFTER THE ROUGH GRADING HAS BEEN COMPLETED, TO VERIFY THE EXACT R-VALUES TO BE USED FOR THE FINAL ASPHALTIC PAVEMENT DESIGNS. THE CONTRACTOR SHALL WORK CLOSELY WITH THE SOILS ENGINEER TO DETERMINE THE EXTENTS OF THE GRADING WORK REQUIRED IN AREAS DEEMED UNACCEPTABLE BY THE SOILS ENGINEER. ALL FINAL DESIGNS AND SOLUTIONS SHALL BE APPROVED BY SAN JOAQUIN COUNTY PRIOR TO PLACING THE AGGREGATE BASE ROCK.

RECORD DRAWING
Created by:
N. Chandra
Date: 3/12/2008
Any Person Using This Drawing Should Verify All Information by Inspecting The Site Or Work

BY: _____
DATE: _____
REVISION: _____
DESCRIPTION: _____

TRACT NO. 9477
STREET SECTIONS & DETAILS
OAKWOOD LAKE SUBDIVISION, UNIT 4
SAN JOAQUIN COUNTY CALIFORNIA

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

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

NO. 61619
Exp. 6-30-07
CIVIL
STATE OF CALIFORNIA

DRAWN BY: J.S.H.
DATE: AUG. 14, 2006
SCALE: 1"=500'
DWG: 2966-CVR
CHECKED: KN
JOB #: 296H-04

SHEET **3** OF 26

SPECIFICATIONS

- 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. THE OAKWOOD LAKE WATER DISTRICT FACILITIES SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY OF MANTUECA DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS.
- BENCHMARK: CITY OF MANTUECA 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 MCINLEY AVENUE AND BRANZAN AVENUE. ELEVATION = 16.703, U.S.G.S. DATUM.
- SOILS REPORT: THE GEOTECHNICAL SERVICES REPORT FOR THE PROPOSED OAKWOOD LAKE DEVELOPMENT, NOODNARD AVENUE, MANTUECA, CALIFORNIA, PREPARED BY KLEINFELDER, INC., WITH PROJECT NO. 48049.601, DATED OCTOBER 21, 2004, IS HEREBY MADE A PART OF THESE PLANS.
- 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.
- IF A CONFLICT OCCURS BETWEEN THE SAN JOAQUIN COUNTY DESIGN AND CONSTRUCTION STANDARDS AND THE RECOMMENDATIONS BY THE DESIGN ENGINEER AND/OR SOILS ENGINEER, THE MORE STRINGENT SHALL APPLY AS DIRECTED BY THE DIRECTOR OF PUBLIC WORKS.
- GUARANTEE: THE COMPLETED PROJECT, INCLUDING ALL WORK, MATERIALS, DEVICES AND EQUIPMENT, SHALL BE GUARANTEED BY THE DEVELOPER AGAINST FACILITY WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR AFTER FINAL ACCEPTANCE BY THE DIRECTOR OF PUBLIC WORKS. THE DEVELOPER SHALL BE RESPONSIBLE FOR ALL REPAIR AND/OR REPLACEMENT INCLUDING ALL LABOR, MATERIALS, EQUIPMENT, DEVICES, PLANT AND OTHER ITEMS OF WORK NECESSARY, TO SECURE THIS GUARANTEE. A BOND OR OTHER SECURITY SHALL BE PROVIDED IN THE AMOUNT OF 20% OF THE VALUE OF THE WORK ESTIMATED BY THE ENGINEER. SAID BOND SHALL CONTINUE IN FULL FORCE AND EFFECT FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE FORMAL ACCEPTANCE OF THE WORK BY THE DIRECTOR OF PUBLIC WORKS OR BOARD OF SUPERVISORS.
- INSPECTION DURING CONSTRUCTION: ANY IMPROVEMENTS CONSTRUCTED TO THESE SPECIFICATIONS AND WHICH IT IS INTENDED THAT THE COUNTY OF SAN JOAQUIN ASSOCIATION WILL ASSUME MAINTENANCE RESPONSIBILITY, MUST BE INSPECTED DURING CONSTRUCTION BY AN AUTHORIZED AGENT OF THE DEVELOPER AND DIRECTOR OF PUBLIC WORKS. EACH PHASE OF CONSTRUCTION MUST BE INSPECTED AND APPROVED PRIOR TO PROCEEDING TO THE SUBSEQUENT PHASES.
 - IMPROVEMENTS CONSTRUCTED WITHOUT INSPECTION AS PROVIDED ABOVE OR CONSTRUCTED CONTRARY TO THE ORDERS OR INSTRUCTIONS OF THE AUTHORIZED AGENT OF THE DEVELOPER OR DIRECTOR WILL BE DEEMED AS NOT COMPLYING WITH THE SAN JOAQUIN COUNTY STANDARDS AND SPECIFICATIONS, AND WILL NOT BE ACCEPTED BY SAN JOAQUIN COUNTY FOR MAINTENANCE PURPOSES.

THE DEVELOPER WILL HAVE COMPACTION TESTS TAKEN ON ALL LOTS WHERE THE DEPTH OF FILL IS GREATER THAN SEVEN (7") INCHES AND WITHIN THE STREETS. RE-TESTS THAT ARE THE RESULT OF THE CONTRACTOR'S FAILURE TO COMPACT THESE AREAS AS REQUIRED WILL BE BORNE BY THE CONTRACTOR.

THE COUNTY DEPARTMENT OF PUBLIC WORKS WILL PERFORM FIELD INSPECTIONS FOR THIS PROJECT. THE OAKWOOD LAKE WATER DISTRICT WILL PERFORM FIELD INSPECTIONS FOR THE INSTALLATION OF THE SANITARY SEWER, DOMESTIC WATER AND STORM DRAIN SYSTEMS FOR THIS PROJECT.

THE CIVIL ENGINEER, DIRECTOR AND DEVELOPER, OR THEIR AGENTS, SHALL AT ALL TIMES, HAVE ACCESS TO THE WORK DURING ITS CONSTRUCTION, AND SHALL BE FURNISHED WITH EVERY REASONABLE FACILITY FOR ASCERTAINING THAT THE MATERIALS AND THE WORKMANSHIP ARE IN ACCORDANCE WITH THE REQUIREMENTS AND INTENTIONS OF THESE SPECIFICATIONS. SPECIAL PROVISIONS, AND PLANS, ALL WORK DONE AND ALL MATERIALS FURNISHED SHALL BE SUBJECT TO REVIEW BY THE DIRECTOR OF PUBLIC WORKS OR HIS AUTHORIZED AGENT TO DETERMINE IF THE PREVIOUSLY MENTIONED DEFECTS HAVE BEEN TO THEIR OBLIGATIONS TO FULFILL THEIR CONTRACT AS DESCRIBED.

FINAL REVIEW: UPON COMPLETION OF ANY IMPROVEMENTS WHICH ARE CONSTRUCTED UNDER AND IN CONFORMANCE WITH THE STANDARD SPECIFICATIONS, AND PRIOR TO REQUESTING FINAL INSPECTION, THE AREA SHALL BE THOROUGHLY CLEANED OF ALL RUBBISH, EXCESS MATERIAL AND EQUIPMENT, AND ALL PORTIONS OF THE WORK SHALL BE LEFT IN A NEAT AND ORDERLY CONDITION, SATISFACTORY TO THE DIRECTOR AND THE DEVELOPER.

WITHIN TEN (10) DAYS AFTER RECEIVING THE REQUEST FOR FINAL INSPECTION, THE DIRECTOR SHALL INSPECT THE WORK, THE DEVELOPER, OR HIS AUTHORIZED REPRESENTATIVE, WILL BE NOTIFIED IN WRITING AS TO ANY PARTICULAR DEFECTS OR DEFICIENCIES TO BE REMEDIATED. THE CONTRACTOR SHALL PROCEED TO CORRECT ANY SUCH DEFECTS OR DEFICIENCIES AT THE EARLIEST POSSIBLE DATE. AT SUCH TIME AS THE WORK HAS BEEN COMPLETED, A SECOND INSPECTION SHALL BE MADE BY THE DIRECTOR TO DETERMINE IF THE PREVIOUSLY MENTIONED DEFECTS HAVE BEEN REPAIRED, ALTERED AND COMPLETED IN ACCORDANCE WITH THESE STANDARDS AND SPECIFICATIONS.

WHEN THE WORK HAS BEEN COMPLETED IN ACCORDANCE WITH THE APPROVED PLANS AND SPECIFICATIONS, THE DIRECTOR WILL RECOMMEND ACCEPTANCE OF THE WORK TO THE BOARD OF SUPERVISORS. THE DIRECTOR WILL NOTIFY, IN WRITING, THE DEVELOPER, OR HIS AUTHORIZED REPRESENTATIVE, AS TO THE DATE OF APPROVAL AND FINAL ACCEPTANCE.

CHANGES ON PLANS AND SPECIFICATIONS: ANY CHANGES TO THE APPROVED IMPROVEMENT PLANS AND SPECIFICATIONS MUST BE PREPARED AND CERTIFIED BY THE CIVIL ENGINEER, AND SHALL BE SUBMITTED TO THE DIRECTOR FOR APPROVAL PRIOR TO IMPLEMENTATION.

THE CONTRACTOR SHALL KEEP HIMSELF FULLY INFORMED OF ALL EXISTING AND FUTURE STATE AND FEDERAL LAWS AND ALL COUNTY 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 MANNER 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, INCLUDING THE CITY OF MANTUECA, SAN JOAQUIN COUNTY AND THE OWNER, AND ALL OFFICERS AND EMPLOYEES THEREOF CONNECTED WITH THE WORK, INCLUDING THE ENGINEER, AGAINST ANY CLAIM OF 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.

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 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.

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 GRADES OR 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.

THESE PLANS HAVE BEEN PREPARED WITH THE INTENT THAT ASSOCIATED ENGINEERS GROUP, INC. WILL PERFORM THE CONSTRUCTION STAKING FOR THE COMPLETE PROJECT. THE CONTRACTOR SHALL PROVIDE ASSOCIATED ENGINEERS GROUP, INC. WITH FORTY-EIGHT HOURS 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 ENGINEERS 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 ENGINEERS GROUP, INC. HAD PERFORMED THE STAKING WORK.

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.

THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE STATE OF CALIFORNIA WATER RESOURCES CONTROL BOARD (SWRCB), ORDER NO. 92-08-DNR, NPDES GENERAL PERMIT NO. CAS000002, THE CONTRACTOR SHALL IMPLEMENT AND MONITOR THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IN ACCORDANCE WITH THE SWRCB REGULATIONS.

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 6, "EXCAVATIONS, TRENCHES, EARTHWORK."

INDEMNITY CLAUSE: CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSE OF CONSTRUCTION INCLUDING ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS, THE COUNTY OF SAN JOAQUIN, ITS ELECTED OFFICIALS, OFFICERS, EMPLOYEES, AND AGENTS FROM ANY AND ALL CLAIMS, COSTS OF LITIGATION, DAMAGES, AND ATTORNEY'S FEES, FOR PERSONAL INJURY OR PROPERTY DAMAGE OF WHATEVER NATURE WHICH ARE CLAIMED TO HAVE OCCURRED DURING THE TERM OF THIS PROJECT.

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.R.C.P. CHAPTER 4.61 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 DEPARTMENT WITH THE NAME AND TELEPHONE NUMBER OF THE PERSON DIRECTLY RESPONSIBLE FOR DUST CONTROL AND OPERATION OF THE WATER VEHICLE.

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, FIBROPTIC, 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.

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.

- CONSTRUCTION STAKING FOR GRADINGS, CURBS AND GUTTERS, SIDEWALKS, SANITARY SEWERS, STORM DRAINS, WATER LINES, FIRE HYDRANTS, ELECTRICIOLTS, ETC. SHALL BE DONE BY A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR.
 - PRIOR TO TRENCHING FOR ANY SEWER, WATER OR STORM DRAIN PIPE, THE CONTRACTOR SHALL VERIFY, IN THE FIELD, THE SIZE AND LOCATION OF THE EXISTING PIPE AT THE POINT OF CONNECTION. ANY DEVIATION FROM THE PLANS SHALL BE RESOLVED BY THE DESIGN ENGINEER PRIOR TO TRENCHING. ANY DAMAGE CAUSED BY TRENCHING TO EXISTING UNDERGROUND UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
 - 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 WRITINGS.
 - TESTING:
 - ALL INDEPENDENT LABORATORY INSPECTIONS CALLED FOR BY THE DIRECTOR OF PUBLIC WORKS WILL BE PAID FOR BY THE DEVELOPER OR CONTRACTOR.
 - ROADWAY SUB-GRADE, SUB-BASE, BASE, AND TRENCH BACKFILL COMPACTION TESTING SHALL BE PERFORMED BY A LICENSED SOILS ENGINEER, AT THE DEVELOPER'S EXPENSE.
 - TESTS FOR R-VALUES ARE REQUIRED PRIOR TO THE INSTALLATION OF BASE ROCK.
 - A MINIMUM OF 48 HOURS NOTICE IS REQUIRED TO SCHEDULE ALL SOILS TESTING SERVICES.
 - ASBESTOS CEMENT PIPE (ACP) OR VITRIFIED CLAY PIPE (VCP) OR ITS FITTINGS SHALL NOT BE USED WITHIN SAN JOAQUIN COUNTY.
 - THE FULL STRUCTURAL SECTION OF THE MAJOR STREET SHALL BE CONTINUED THROUGH THE INTERSECTIONS.
 - TRAFFIC CONTROL DEVICES AND INSTALLATIONS SHALL BE IN CONFORMANCE WITH M.U.T.C.D., SECTION IV BY THE U.S. DEPARTMENT OF TRANSPORTATION AND THE CALIFORNIA SUPPLEMENT TO THE M.U.T.C.D., AND MUST MEET THE COUNTY STANDARDS.
 - IF, DURING CONSTRUCTION, ARCHAEOLOGICAL REMAINS ARE ENCOUNTERED, CONSTRUCTION IN THE VICINITY SHALL BE HALTED, AND ALL ARCHAEOLOGICAL REMAINS SHALL BE PROTECTED BY THE ARCHAEOLOGIST, THE REMAINS ARE SIGNIFICANT, MEASURES AS MAY BE REQUIRED BY THE DIRECTOR OF PUBLIC WORKS, SHALL BE TAKEN TO PROTECT THEM.
 - DISPOSAL OF WATER INTO THE SANITARY SEWER SYSTEM IS STRICTLY PROHIBITED.
 - 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., AND ALL ARCHAEOLOGICAL REMAINS SHALL BE REMOVED IMMEDIATELY FROM PUBLICLY OWNED 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 CONDITIONS IS NOT MET.
 - ALL TRASH, CONSTRUCTION DEBRIS AND MATERIALS SHALL BE CONTAINED WITHIN THE CONSTRUCTION AREA UNTIL OFF-SITE DISPOSAL CAN BE ARRANGED.
 - 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.
 - 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 STORAGE OF ALL WORK, NOTIFICATION OF THE NATIVE AMERICAN HERITAGE COMMISSION AND THE SAN JOAQUIN COUNTY CORNER, AS APPLICABLE.
 - WHEN MENDING THE PAVEMENT ON AN EXISTING ROAD, THE EXISTING PAVEMENT SHALL BE SAWN TO A NEAT LINE AND REMOVED BACK TO AN EXISTING SOUND STRUCTURAL SECTION AS DETERMINED BY THE CITY INSPECTOR. AN EXPLORATORY TRENCH, OR POT-HOLING, MAY BE REQUIRED TO DETERMINE THE LIMITS OF PAVEMENT REMOVAL. THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE CITY OF MANTUECA PRIOR TO BEGINNING ANY WORK ON NOODNARD AVENUE.
 - STREET STRIPING SHALL INCLUDE STOP BARS, LEGENDS, CENTERLINE STRIPING REFLECTIVE PAVEMENT MARKERS, CROSSWALKS AND ALL OTHER MARKINGS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS. ALL STRIPING SHALL BE DONE WITH THERMOPLASTIC AND ALL OTHER MARKINGS REQUIRED BY THE DIRECTOR OF PUBLIC WORKS. ALL STRIPING SHALL BE CAT-TRACKED PRIOR TO FINAL INSTALLATION. FINAL INSTALLATION WILL BE ALLOWED ONLY AFTER APPROVAL OF THE STRIPING LAYOUT BY THE PUBLIC WORKS CONSTRUCTION INSPECTOR.
 - FINAL PAVEMENT WORK SHALL NOT OCCUR WITHIN THE ROAD RIGHT-OF-WAY PRIOR TO THE COMPLETION OF UTILITY RELOCATIONS WITHOUT THE SPECIFIC APPROVAL OF THE DIRECTOR OF PUBLIC WORKS.
 - THE THICKNESS OF SUBBASE, BASE, AND SURFACING SHALL BE AS APPROVED ON THE IMPROVEMENT PLANS. SEE THE STREET SECTIONS CHART.
 - FOG SEAL AT ASPHALT CONCRETE. THE TYPE OF FOG SEAL USED SHALL BE PER SECTION 37 OF CALTRANS STANDARD SPECIFICATIONS LATEST EDITION AND AS APPROVED BY SAN JOAQUIN COUNTY PRIOR TO USE.
 - THERE SHALL BE A 2% CROSS SLOPE ON THE CONSTRUCTION OF ALL NEW STREETS.
 - ALL TERMINATED STREETS WITHOUT A CUL-DE-SAC SHALL HAVE A BARRICADE INSTALLED IN ACCORDANCE WITH STANDARD DETAIL R-24 OF THE STANDARD DETAILS.
 - ALL MANHOLE RIMS, LAMPHOLES, VALVES AND MONUMENT BOXES, ETC. SHALL BE ADJUSTED TO FINISH GRADE AFTER STREET PAVING BY THE UNDERGROUND CONTRACTOR AFTER THE FINAL PAVING COURSE IS PLACED, UNLESS OTHERWISE NOTED. COST FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR MANHOLES.
 - UTILITY BOXES SET IN PAVED STREETS SHALL HAVE H-20 LIDS.
- GRADING NOTES**
- 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.
 - THE CONTRACTOR SHALL LIMIT TRAFFIC SPEEDS ON ANY UNPAVED SURFACES TO 15 MILES PER HOUR TO LOWER THE AMOUNT OF DUST CREATED.
 - THE CONTRACTOR SHALL SUSPEND EXCAVATION AND GRADING ACTIVITIES WHEN THE WINDS EXCEED 20 MILES PER HOUR.
 - DEVELOPER/CONTRACTOR'S WORK SHALL BE IN ACCORDANCE WITH THE SWAPD GUIDELINES, INCLUDING SWAPD REGULATION VIII AND IMPLEMENT CONTROL MEASURES BASED ON SWAPD'S COMPLIANCE ASSISTANT BULLETIN FOR SHORT TERM IMPACTS. SWAPD SHALL BE CONTACTED TO DISCUSS MITIGATION MEASURES AND IMPLEMENT MEASURES FROM TABLE 6-4 OF THE GUIDE FOR ASSESSING AND MITIGATING AIR QUALITY IMPACTS.
- UTILITIES**
- ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE COUNTY OF SAN JOAQUIN'S STANDARD SPECIFICATIONS, THE OAKWOOD LAKE WATER DISTRICT AND THE LATEST EDITION OF THE UNIFORM PLUMBING CODE.
 - THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 9, SECTION 6705, 6706, AND 6707 OF THE STATE LABOR CODE.
 - THE CONTRACTOR SHALL SUBMIT FOR APPROVAL A DETAILED PLAN SHOWING THE DESIGN OF SHORINGS, BRACINGS, SLOPING, OR OTHER PROVISIONS TO BE MADE FOR WORKER PROTECTION FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF FIVE FEET OR MORE. IF THE PLAN VARIES FROM THE SHORING SYSTEM STANDARDS, THE PLANS SHALL BE PREPARED BY A REGISTERED CIVIL OR STRUCTURAL ENGINEER.
 - 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 DESIGN ENGINEER PRIOR TO TRENCHING. ANY DAMAGE CAUSED BY TRENCHING TO EXISTING UNDERGROUND UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REFER TO THE P.V.C. SANITARY SEWER TRENCH SECTION ON SHEET 3 FOR ADDITIONAL REQUIREMENTS FOR THE EMBEDMENT ZONE BACKFILL.
 - ALL PLASTIC PIPES INSTALLED SHALL HAVE TRACE WIRE INSTALLED AS PER THE SAN JOAQUIN COUNTY STANDARDS.
- STORM DRAIN**
- R.C.P. STORM DRAIN LINES AS SHOWN ON THE PLANS SHALL BE CLASS III OR HIGHER REINFORCED CONCRETE PIPE. USE RUBBER GASKETED JOINTS CONFORMING TO THE REQUIREMENTS OF ASTM DESIGNATIONS C-76 AND C-448 AND CHAPTER 3 OF THE COUNTY STANDARD SPECIFICATIONS. WHERE THE PLANS SHOW R.C.P. STORM DRAINS, 18 INCHES OR SMALLER IN DIAMETER, THE CONTRACTOR MAY USE POLYVINYL CHLORIDE PIPE CONFORMING TO ASTM D-3034, SDR 35, WITH RUBBER SEALING RINGS MEETING ASTM D-3212 "JOINTS FOR DRAINS AND SEWER PIPES USING FLEXIBLE ELASTOMERIC SEALS" AS PER THE SAN JOAQUIN COUNTY STANDARDS. BACKFILL OF P.V.C. STORM DRAIN LINES SHALL BE IN ACCORDANCE WITH THE BACKFILL REQUIREMENTS OF THE P.V.C. SANITARY SEWER LINES, AS PER THE DETAIL ON SHEET 4 OF THESE PLANS. UNLESS NOTED ALL STORM DRAIN MANHOLES ARE TYPE I (STANDARD DETAIL CA-57) AND ALL CURB INLETS ARE TYPE I (STANDARD DETAIL D-13). A SADDLE-TYPE MANHOLE (STANDARD DETAIL D-18) SHALL BE USED FOR ALL PIPES GREATER THAN 36" IN DIAMETER.
 - ALL ON-SITE STORM DRAIN INLETS MUST BE LABELED "NO DUMPING - DRAINS TO DELTA" USING AN APPROVED METHOD.
 - THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL TESTING OF STORM DRAIN FACILITIES.
- WATER**
- WATER LINES SHALL BE A MINIMUM OF 10 FEET FROM SEWER MAINS. CROSSINGS SHALL MEET STATE HEALTH STANDARDS. SEWER LINE NEEDS TO BE BELOW WATER LINE.

- THE CONTRACTOR IS TO BE RESPONSIBLE FOR ALL TESTING AND DISINFECTION OF WATER LINES IN CONFORMANCE WITH THE REQUIREMENTS OF THE OAKWOOD LAKE WATER DISTRICT PRIOR TO FINAL ACCEPTANCE. ALL WATER LINES SHALL BE PRESSURE TESTED, DISINFECTED, FLUSHED AND TESTED FOR BACTERIA IN CONFORMANCE WITH SECTION 4, OF THE SAN JOAQUIN COUNTY STANDARDS PRIOR TO FINAL ACCEPTANCE BY THE WATER DISTRICT.
 - ACTUAL CONNECTIONS TO EXISTING WATER DISTRICT WATER LINES WILL NOT BE PERMITTED PRIOR TO THE COMPLETION OF STERILIZATION AND TESTING OF WATER MAINS. ALL EXISTING WATER VALVES ARE TO BE OPERATED UNDER THE DIRECTION OF THE WATER DISTRICT ONLY.
 - WATER SERVICES SHALL BE 1" DIAMETER PLASTIC PIPE AS PER SAN JOAQUIN COUNTY STANDARD SPECIFICATIONS AND STANDARD DETAIL CA-M8.
 - THE LOCATION OF WATER SERVICES IN NEW SUBDIVISIONS SHALL BE MARKED BY THE CONCRETE CONTRACTOR WITH THE LETTER "M" STAMPED ON THE BACK OF SIDEWALK OR ON THE TOP OF CURB. THE UNDERGROUND CONTRACTOR SHALL PROVIDE SUFFICIENT RECORDS AND SHALL LEAVE ADEQUATE MARKS IN THE FIELD FOR THE CONCRETE CONTRACTOR TO ACCURATELY STAMP THE LETTER "M" FOR ALL WATER SERVICES, PRIOR TO PLACING ANY SIDEWALK OR CURB AND GUTTER. THE CONCRETE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL DRIVEWAYS, AND WATER SERVICES BEFORE POURING THE CURB, AND FURNISH TO THE SAN JOAQUIN COUNTY FIELD INSPECTOR SHOWING HE HAS ADEQUATE INFORMATION TO ACCURATELY FIELD LOCATE AND MARK THE LETTER "M" TO BE STAMPED IN HIS WORK.
 - FIRE HYDRANTS SHALL BE FURNISHED AND INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH THE SAN JOAQUIN COUNTY STANDARD SPECIFICATIONS AND STANDARD DETAIL CA-M10. HYDRANTS SHALL BE LONG BEACH 425 OR EQUAL WITH 1" - 4 1/2" AND 1" - 2 1/2" OUTLET.
- SANITARY SEWER**
- GRAVITY SEWER PIPE, P.V.C. PIPE AS SHOWN ON THE PLANS SHALL BE POLYVINYL CHLORIDE PIPE CONFORMING TO ASTM D-3034, SDR 35, WITH RUBBER SEALING RINGS MEETING ASTM D-3212 "JOINTS FOR DRAINS AND SEWER PIPES USING FLEXIBLE ELASTOMERIC SEALS" OR AN APPROVED EQUAL.
 - SEWER LATERALS SHALL BE 4" IN DIAMETER, AND SHALL INCLUDE A CLEAN-OUT AT 1 FOOT MINIMUM TO 2 FEET MAXIMUM BEHIND THE BACK OF SIDEWALK. SEE PLANS FOR LOCATIONS AND DRAINING NO. 5-7A.
 - THE LOCATION OF SEWER SERVICES IN NEW SUBDIVISIONS SHALL BE MARKED BY THE CONCRETE CONTRACTOR WITH THE LETTER "S" STAMPED ON THE BACK OF SIDEWALK OR ON THE TOP OF CURB. THE UNDERGROUND CONTRACTOR SHALL PROVIDE SUFFICIENT RECORDS AND SHALL LEAVE ADEQUATE MARKS IN THE FIELD FOR THE CONCRETE CONTRACTOR TO ACCURATELY STAMP THE LETTER "S" FOR ALL SEWER SERVICES, PRIOR TO PLACING ANY SIDEWALK OR CURB AND GUTTER. THE CONCRETE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL DRIVEWAYS, AND SEWER LATERALS BEFORE POURING THE CURB, AND FURNISH TO THE SAN JOAQUIN COUNTY FIELD INSPECTOR SHOWING HE HAS ADEQUATE INFORMATION TO ACCURATELY FIELD LOCATE AND MARK THE LETTER "S" TO BE STAMPED IN HIS WORK.
 - SEWER FORCE MAINS 4" AND LARGER SHALL BE POLYVINYL CHLORIDE CLASS 200 CONFORMING TO ANNA C-400. DUCTILE IRON FITTINGS INCLUDING TEES, CROSSES, CAPS, ETC. SHALL BE FLANGE, MECHANICAL JOINT OR COMBINATION THEREOF. MECHANICAL JOINT COUPLINGS SHALL CONFORM TO ANSI A21.10 (ANNA C110-T7). ALL COUPLINGS SHALL BE GENNA MORTAR LINED IN ACCORDANCE WITH ANNA C104-80, AND SHALL BE FURNISHED WITH RUBBER RING SEAL JOINTS DESIGNED TO BE USED WITH CLASS 200 P.V.C. PIPE, ANNA C-400.
 - SEWER FORCE MAIN LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER FROM FINISH GRADE.
 - SEWER FORCE MAINS SHALL BE INSTALLED WITH THRUST BLOCKS IN ACCORDANCE WITH THE SAN JOAQUIN COUNTY STANDARDS, DRAINING NO. CA-M4.
- EROSION CONTROL NOTES**
- 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 (BMP) 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 BMP'S WILL RESULT IN THE ISSUANCE OF CORRECTION NOTICES, CITATIONS AND/OR A PROJECT STOP ORDER.
 - THIS EROSION CONTROL PLAN HAS BEEN PREPARED AS AN EXHIBIT TO THE STORM WATER POLLUTION PREVENTION PLAN (S.M.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 GRADINGS 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.
 - 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 LAIDEN RUNOFF ON ANY STORM DRAINAGE SYSTEM.
 - CONSTRUCTION ENTRANCES CONSISTING OF AGGREGATE ON GEOTEXTILE FABRIC, AS PER THE DETAIL, SHALL BE PROVIDED AT EACH VEHICLE ACCESS POINT TO EXISTING PAVED ROADS.
 - 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.
 - BORROW AREAS AND TEMPORARY STOCKPILES SHALL BE PROTECTED WITH APPROPRIATE EROSION CONTROL MEASURES TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
 - 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.
 - PRIOR TO THE COMMENCEMENT OF ANY CLEARINGS, 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 SNPPP SHALL BE KEPT AT THE CONSTRUCTION SITE AT ALL TIMES.
- SILT FENCES**
- 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.
 - SILT FENCES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFUL PURPOSE, BUT NOT BEFORE THE UPSLOPE AREA HAS BEEN PERMANENTLY STABILIZED.
 - FILTER FABRIC SHALL BE NO. 2125 AS MANUFACTURED BY AMOCO CONSTRUCTION FABRICS, OR APPROVED EQUAL.
- SEEDING**
- 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 RIGHTS-OF-WAYS, OR AS DIRECTED BY THE DIRECTOR OF PUBLIC WORKS.
 - 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.
- | ITEM | POUNDS PER ACRE |
|---|-----------------|
| ZORRO ANNUAL PESQUE | 10 LBS. |
| ROSE CLOVER | 10 LBS. |
| HYDROMULCH FIBER | 1500 LBS. |
| 16-20-0 FERTILIZER (AMMONIUM PHOSPHATE) | 300 LBS. |
| TACKIFIER | 80 LBS. |
- IF PLANT GROWTH IS INADEQUATE FOR EROSION CONTROL, OVERSEED USING HALF THE RATE OF THE ORIGINAL APPLICATION. IF THE GROWTH IS STILL INADEQUATE, REPLANT USING THE ORIGINAL SPECIFICATIONS. THIS SHOULD BE DONE 14 TO 21 DAYS AFTER THE INITIAL PLANTING.
 - 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**
- 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.
 - 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 NM-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.
 - 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.
 - 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**
- THE STATE WATER RESOURCES CONTROL BOARD HAS RECEIVED AND PROCESSED THE NOTICE OF INTENT TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT NO. DISCHARGE STATE WATER RESOURCES CONTROL BOARD. THE NOTICE OF INTENT IDENTIFICATION NUMBER IS 55943C30893.7. FOR ANY COMMUNICATIONS REGARDING THIS PERMIT.

SU 4404 4259

BY					
REVISION	DATE	DESCRIPTION			

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

TRACT NO. 9477
SPECIFICATIONS
 OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA

RECORD DRAWING
 Checked by: *[Signature]*
 No changes by: *[Signature]*
 Date: 3/12/2008
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Of Work

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

REGISTERED PROFESSIONAL ENGINEER
 CIVIL
 STATE OF CALIFORNIA
 No. 51619
 Exp. 5-30-07

DRAWN BY: J.S.H.
 DATE: AUG. 14, 2006
 SCALE: 1" = 500'
 DWG: 2466-CVR
 CHECKED: KN
 JOB #: 246H-04

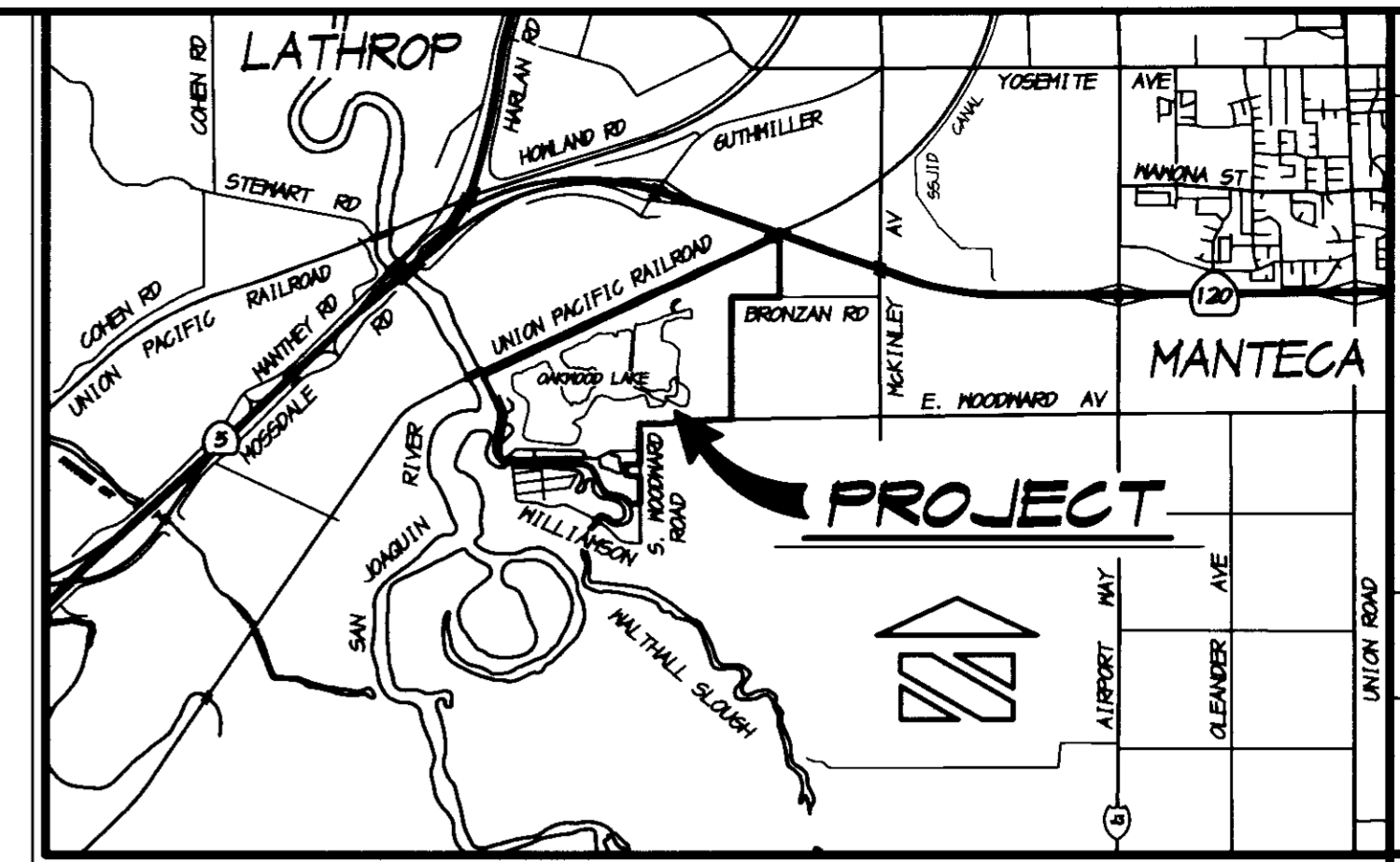
SHEET 2 OF 26

STREET IMPROVEMENT PLANS

FOR

OAKWOOD LAKE SUBDIVISION, UNIT 4

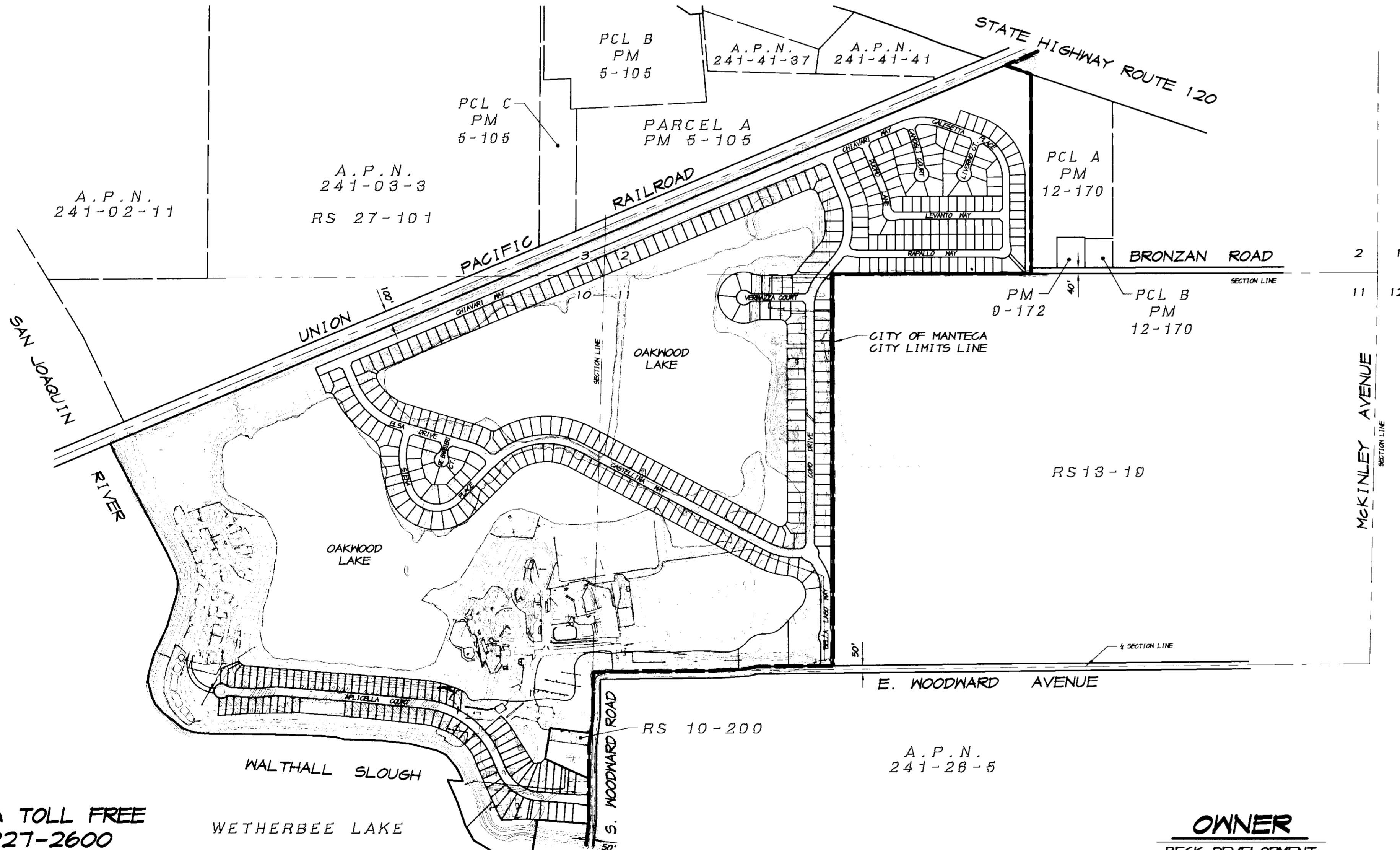
TRACT NO. 3477



VICINITY MAP
NO SCALE

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 10,
 TOWNSHIP 2 SOUTH, RANGE 6 EAST, MOUNT DIABLO MERIDIAN

SAN JOAQUIN COUNTY CALIFORNIA



PROJECT LAYOUT MAP
SCALE: 1"=500'

INDEX

SHEET NO.	DESCRIPTION
1	VICINITY MAP & INDEX
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3	STREET SECTIONS AND DETAILS
4	SECTIONS AND DETAILS
5 THRU 7	SANITARY SEWER & STORM DRAIN PLAN
8 THRU 10	WATER PLAN
11 THRU 13	STRIPING & SIGNAGE PLAN
PLAN & PROFILE SHEETS	
14	APLICELLA COURT, STA. 1+00 TO STA. 6+00
15	APLICELLA COURT, STA. 6+00 TO STA. 12+00
16	APLICELLA COURT, STA. 12+00 TO STA. 22+50
17	APLICELLA COURT, STA. 22+50 TO STA. 29+19
18	MOBILE HOME PARK ENTRANCE
19	STORM DRAIN OUTFALL LINES
20	CONCRETE "V" DITCH & S.D. CONNECTION
21	CONCRETE "V" DITCH & S.D. CONNECTION
22	CONCRETE "V" DITCH
23	STORM DRAIN CONNECTION
24	EROSION CONTROL PLAN
25	EROSION CONTROL PLAN
26	EROSION CONTROL DETAILS

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

RECORD DRAWING

Contract No. 14
 No. Charges \$1,000
 Date: 3/12/2008
 Any Person Using This Drawing Should Verify All Information By Inspecting The Site Of Work



APPROVED BY THE DISTRICT ENGINEER OF THE OAKWOOD LAKE WATER DISTRICT, MANTECA, CALIFORNIA.
 DATE: 8-24-06
 BY: Michael Gilton
 MICHAEL GILTON, R.G.E. 25853

LATHROP - MANTECA FIRE DISTRICT
 DATE: 8-23-06
 COUNTY OF SAN JOAQUIN
 DEPARTMENT OF PUBLIC WORKS

GEOTECHNICAL REPORT
 THESE IMPROVEMENT PLANS CONFORM TO THE APPROVED GEOTECHNICAL REPORT FOR THE OAKWOOD LAKE DEVELOPMENT LOCATED IN SAN JOAQUIN COUNTY, CALIFORNIA.
 DATE: 8-23-06
 KLEINFELDER, INC.

APPROVED: Michael Cole
 SENIOR CIVIL ENGINEER
 RCE NO. 46533
 DATE: 9/11/06
 EXP. DATE: 6/30/07
 APPROVED: [Signature]
 DIRECTOR OF PUBLIC WORKS
 DATE: 9/15/06

REVISION	DATE	DESCRIPTION

ASSOCIATED ENGINEERING, INC.
 Surveying - Design - Planning
 8086 TECHNOLOGY DRIVE
 MANTECA, CALIFORNIA 95256
 PH: (209) 545-3390 FAX: (209) 545-3875



TRACT NO. 3477
 VICINITY MAP & INDEX
 OAKWOOD LAKE SUBDIVISION, UNIT 4
 SAN JOAQUIN COUNTY CALIFORNIA



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

DRAWN BY: J. S. H.
 DATE: AUG. 14, 2006
 SCALE: 1"=500'
 DWG: 2466-CVR
 CHECKED: KM
 JOB #: 2464-04
 SHEET 1 OF 26

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.

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