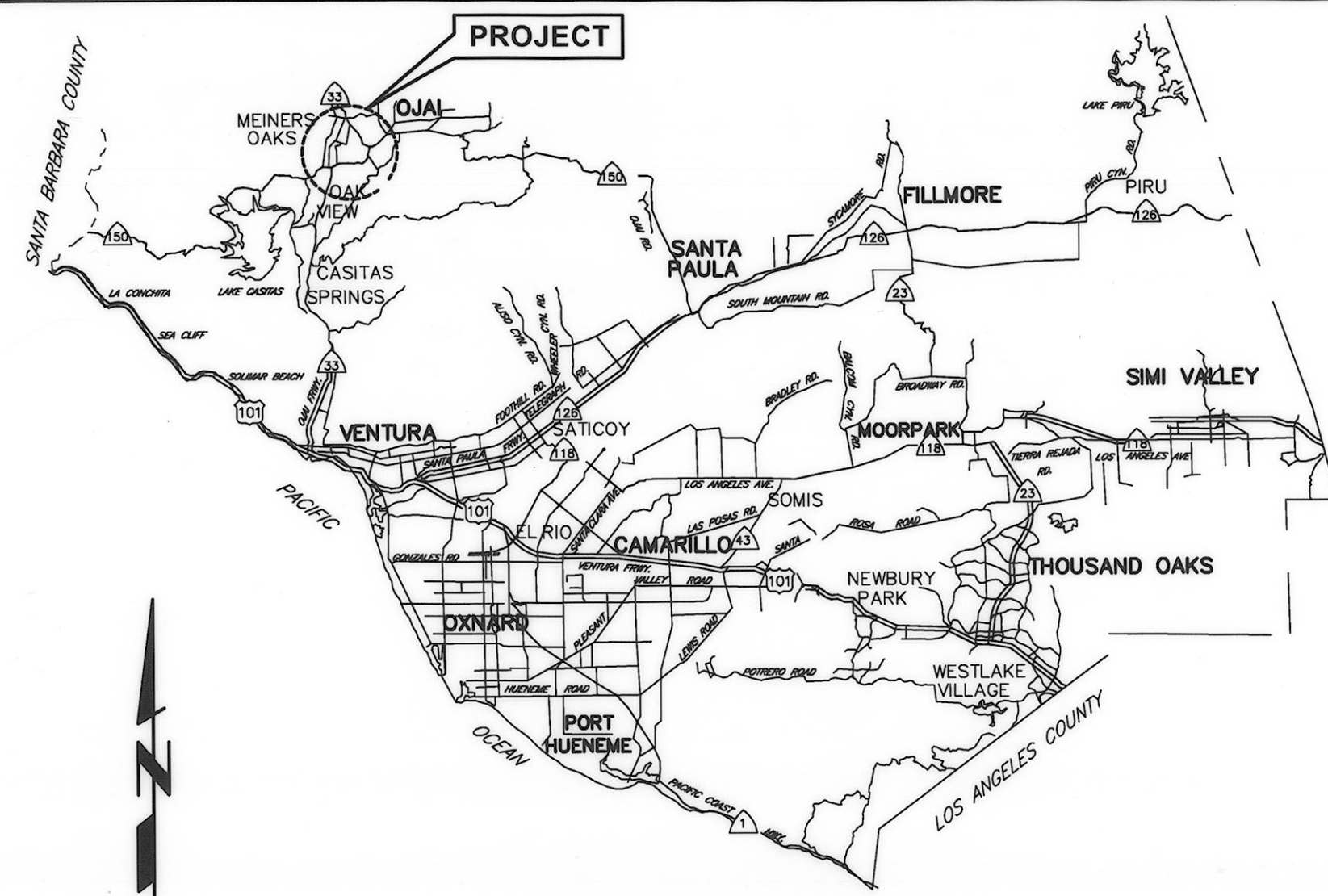


**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT
ZONE 1
URBAN LID RETROFIT
AT MEINERS OAKS**

INDEX TO SHEETS

SHEET NO.	TITLE
1.	GENERAL PLAN
2.	SITE PLAN
3.	LOW FLOW AND SWALE PRETREATMENT PLAN AND PROFILE STA 0+91.75 TO STA 1+35.00
4.	SWALE OUTLET AND POLLUTANT VAULT PLAN AND PROFILE STA 4+00.66 TO STA 4+56.30
5.	SECTIONS AND DETAILS
6.	IRRIGATION PLAN
7.	LANDSCAPE PLAN
8.	IRRIGATION DETAILS



VICINITY MAP

N.T.S.

GENERAL NOTES

- ELEVATIONS SHOWN ARE IN US FEET, NORTH AMERICAN VERTICAL DATUM OF 1988, 1992 EPOCH.
- STATIONS SHOWN ON DRAWINGS ARE ALONG CENTERLINE OF STRUCTURE.
- E.G.L. AND H.G.L. ARE SHOWN FOR FUTURE REFERENCE BY THE DISTRICT ONLY.
- NUMBERS IN \square INDICATE BID ITEMS UNDER WHICH PAYMENT WILL BE MADE.
- LETTERS AND NUMBERS IN \ominus INDICATE THE DETAIL CALL-OUT AND SHEET ON WHICH REFERENCE DETAIL IS SHOWN.
- NUMBERS IN \triangle REFER TO NOTES ON THE SAME SHEET UNLESS OTHERWISE NOTED.
- TREES DESIGNATED BY tree symbol SHALL BE REMOVED. ALL OTHERS SHALL BE PROTECTED IN PLACE.
- TOPOGRAPHY AND CROSS SECTIONS FOR THIS PROJECT WERE TAKEN FROM SURVEYS PERFORMED IN 08/2014.
- SOIL TEST BORINGS FOR THE PROJECT WERE MADE IN JANUARY/2014, AND THEIR LOCATION IS MARKED BY THE SYMBOL \bullet . SUBSURFACE SOIL INVESTIGATION RESULTS ARE FURNISHED FOR INFORMATION ONLY, IN ACCORDANCE WITH SUBSECTION 2-7 OF THE STANDARD SPECIFICATIONS, AND NO WARRANTY IS MADE THEREFOR.
- EXISTING IMPROVEMENTS WITHIN THE RIGHT OF WAY AND WORK AREAS SHALL REMAIN AND SHALL BE PROTECTED UNLESS OTHERWISE NOTED. DAMAGED IMPROVEMENTS SHALL BE REPLACED IN KIND TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO CONSTRUCTION.
- UTILITIES ARE SHOWN AS KNOWN TO EXIST AT TIME OF SURVEY. UTILITIES MAY HAVE BEEN OMITTED, MISPLACED, AND/OR RELOCATED. CONTRACTOR SHALL EXERCISE CARE IN EXCAVATION AND SHALL PROTECT ALL UTILITIES.
- SYMBOL \blacktriangle INDICATES THE LOCATION OF THE HORIZONTAL AND VERTICAL CONTROL POINTS WHICH WILL BE FURNISHED BY THE AGENCY FOR THE CONTRACTOR'S USE.

COUNTY OF VENTURA BENCH MARK 80-8 RM 1 ELEV. 732.379 (NAVD 1988)
A VENTURA COUNTY BRASS DISK LOCATED 0.2 MILE EASTERLY ALONG LOMITA AVENUE FROM ITS INTERSECTION WITH TICO ROAD, AT A 90 DEGREE TURN TO THE NORTH, 36.0 FEET NORTHERLY FROM THE CENTER OF LOMITA AVENUE RUNNING EAST AND WEST, 20.0 FEET EASTERLY FROM THE CENTER OF LOMITA AVENUE RUNNING NORTHERLY, IN THE SOUTHERLY END OF THE EASTERLY 12 IN. X 18 IN. CONCRETE HEADWALL OVER A BOX CULVERT.

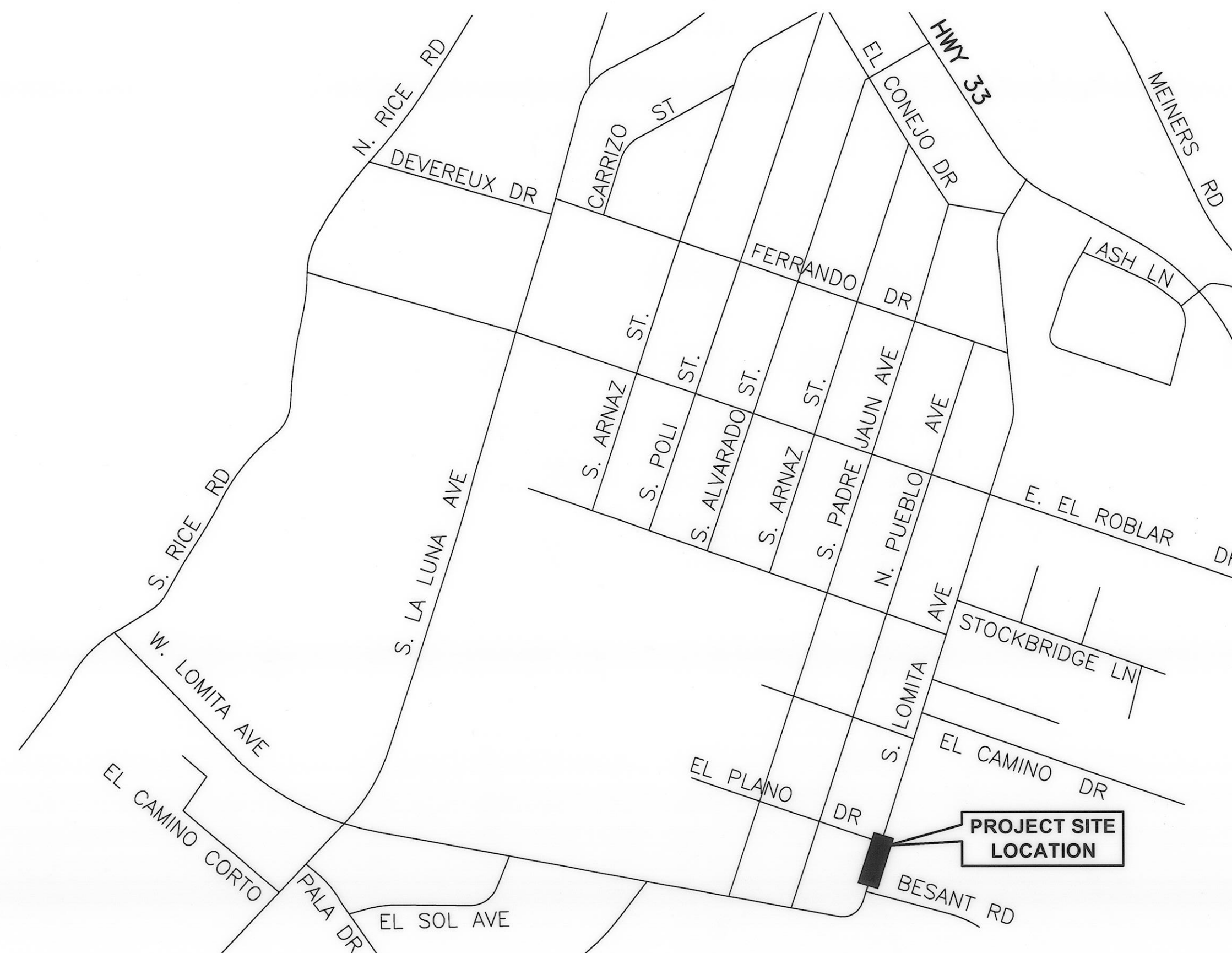
SURVEY CONTROL POINTS			
No.	NORTHING	EASTING	ELEV. DESCRIPTION
26	4895.9608	4945.4118	- VENTURA CO. BRASS DISK IN WELL
44	5078.277	5378.327	- VENTURA CO. BRASS DISK IN WELL
45	4877.973	4575.260	732.377 BENCH MARK 80-8 RM 1
46	4839.640	4595.810	732.360 SCRIBED "X" AT HEADWALL
47	5035.676	4631.211	729.968 MAG NAIL AND TIN AT MAILBOX
48	4884.129	4749.801	730.626 SCRIBED "X"
49	4936.034	4938.081	732.227 SCRIBED "X" AT FIRE HYDRANT
50	5320.589	4591.242	730.289 MAG NAIL AT BESANT ROAD

- CONTRACTOR SHALL NOTIFY UTILITY OWNERS A MINIMUM OF 48 HOURS PRIOR TO STARTING WORK IN AREAS AFFECTING THEIR FACILITIES:

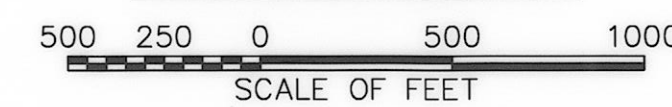
MEINERS OAKS COUNTY WATER DISTRICT	TEL. NO. (805) 646-2114	MIKE HOLLEBRANDS
SOUTHERN CALIFORNIA EDISON CO.	TEL. NO. (805) 654-7215	RANDY YANEZ
SOUTHERN CALIFORNIA GAS CO.	TEL. NO. (818) 701-3448	BRENT WIMMER
AT&T DISTRIBUTION SUBSTRUCTURE REQUEST	TEL. NO. (323) 224-0757	JEFF TOSSIE
OJAI VALLEY SANITARY DISTRICT	TEL. NO. (805) 646-5548	RON SHEETS
TIME WARNER CABLE	TEL. NO. (805) 732-9355	SHAWN RIGGS
CASITAS MUNICIPAL WATER DISTRICT	TEL. NO. (805) 649-2251	ANDY BENITEZ
- PROPOSED EARTHEN SWALE BOTTOM IS NOT TO BE COMPACTED DURING CONSTRUCTION. SCARIFY THE SWALE BOTTOM TO A DEPTH OF 6 INCHES ONCE THE EXCAVATION ELEVATION IS ACHIEVED.

UNDERGROUND SERVICE ALERT

1-800-422-4133
CALL USA/SC
FOR UNDERGROUND LOCATION
2 WORKING DAYS BEFORE YOU DIG



GENERAL PLAN



ABBREVIATIONS

BC	BEGIN CURVE	PCC	PORTLAND CEMENT
CB	CATCH BASIN	CONC	CONCRETE
CF	CURB FACE	PVC	POLYVINYL CHLORIDE
C/L	CENTERLINE	PP	POWER POLE
CP	CONTROL POINT	R	RADIUS
CONC	CONCRETE	RCP	REINFORCED CONCRETE PIPE
CMP	CORRUGATED METAL PIPE	R/W	RIGHT OF WAY
D	DEPTH	S	SLOPE
DIA	DIAMETER	SCH	SCHEDULE
EC	END CURVE	SD	STORM DRAIN
E.G.L.	ENERGY GRADE LINE	SDMH	STORM DRAIN MANHOLE
ELEV.	ELEVATION	SE	SAND EQUIVALENT
EX	EXISTING	SHT	SHEET
FG	FINISH GRADE	SMH	SEWER MANHOLE
FL	FLOW LINE	SP	SIGN POST
G	GAS	SPPWC	STANDARD PLANS FOR PUBLIC WORKS
GA	GAUGE	CONC	CONSTRUCTION
G.P.H.	GALLONS PER HOUR	SSPWC	STANDARD SPECIFICATIONS FOR PUBLIC WORKS
H	HEIGHT	SQ	SQUARE
HDPE	HIGH DENSITY POLYETHYLENE PIPE	SS	SANITARY SEWER
H.G.L.	HYDRAULIC GRADE LINE	STA.	STATION
IE	INVERT ELEVATION	STD	STANDARD
IN.	INCH	T	TANGENT
INV	INVERT OR FLOW LINE OF PIPE	TC	TOP OF CURB
L	LENGTH	TR	TREE
MAX	MAXIMUM	TYP	TYPICAL
MB	MAIL BOX	V	VERTICAL HEIGHT
MH	MANHOLE	VCWWD	VENTURA COUNTY WATER WORKS DISTRICT
MIN	MINIMUM	W	WATER
NO.	NUMBER		
N.T.S.	NOT TO SCALE		
OVLC	OJAI VALLEY LAND CONSERVANCY		

**INDEX OF STANDARD PLANS
USED BY REFERENCE**

CALTRANS STANDARD PLAN:
D90, HEADWALL, TYPE A

SPPWC LATEST STANDARD PLANS:
112-2, CURB AND SIDEWALK JOINTS
120-2, CURB AND GUTTER BARRIER, TYPE A2-6 (150),
300-3, CURB OPENING, CATCH BASIN
308-2, MONOLITHIC CATCH BASIN CONNECTION
313-3, LOCAL DEPRESSION AT CATCH BASIN, CASE A
342-2, TRANSITION STRUCTURE RCB TO PIPE
361-2, TRASH RACK, CASE A

VCWWD STANDARD PLAN:
TRENCH DETAILS, PLATE 1

RECORD DRAWING

DATE PROJECT COMPLETED 03-22-2016
REVISIONS SUBMITTED BY JULIE REGO
DRAWING REVISED BY A. RAMIREZ
APPROVED BY [Signature] DATE 05/16/16



PLOT DATE: 3/20/15 SAVE DATE: 3/20/15 FRED P:\PROJECTS\WMP0071401_MEINERS_OAKS_SWALE_DESIGN\CAD\PLAN\SET\SH1-01.DWG

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A			

PREPARED BY:
PHOENIX CIVIL ENGINEERING, INC.
4532 TELEPHONE ROAD SUITE 113
VENTURA, CA 93003
(805) 658-6800

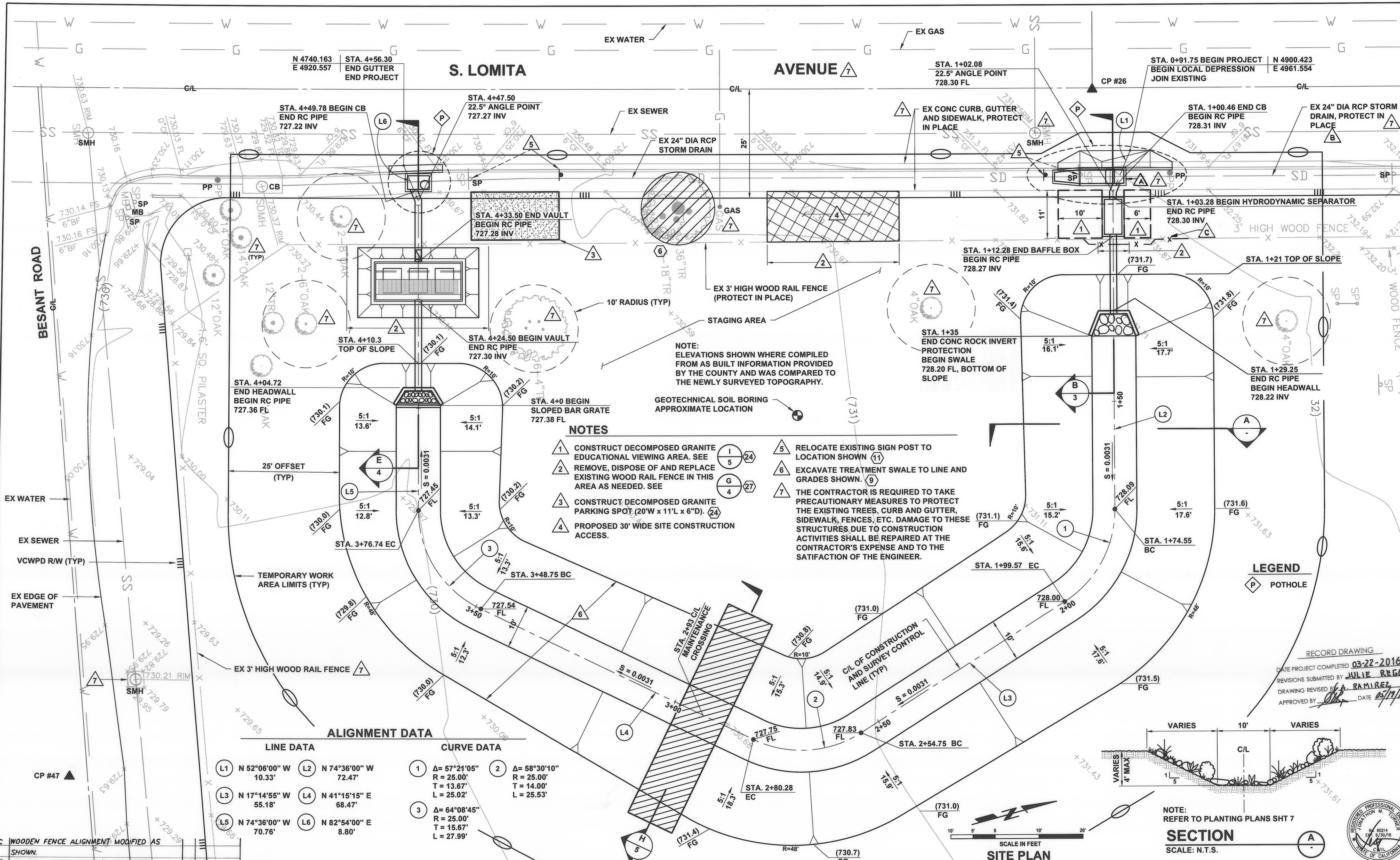
DEPUTY DIRECTOR: [Signature] DATE: 3-26-2015
DISTRICT DIRECTOR: [Signature] DATE: 3/27/2015
AGENCY DIRECTOR: [Signature] DATE: 3/30/15

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

SPEC. NO.
WP15-14
PROJ. NO.
40545

URBAN LID RETROFIT AT MEINERS OAKS
GENERAL PLAN

SHEET 1
OF 8
DRAWING NO.
Y-1-830



NOTES

- 1 CONSTRUCT DECOMPOSED GRANITE EDUCATIONAL VIEWING AREA. SEE (1) (24)
- 2 REMOVE, DISPOSE OF AND REPLACE EXISTING WOOD RAIL FENCE IN THIS AREA AS NEEDED. SEE (5) (24)
- 3 CONSTRUCT DECOMPOSED GRANITE PARKING SPOT (20'W x 11'L x 6'D). (24)
- 4 PROPOSED 30' WIDE SITE CONSTRUCTION ACCESS. (24)
- 5 RELOCATE EXISTING SIGN POST TO LOCATION SHOWN (11)
- 6 EXCAVATE TREATMENT SWALE TO LINE AND GRADES SHOWN. (9)
- 7 THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE EXISTING TREES, CURB AND GUTTER, SIDEWALK, FENCES, ETC. DAMAGE TO THESE STRUCTURES DUE TO CONSTRUCTION ACTIVITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.

ALIGNMENT DATA

LINE DATA		CURVE DATA	
L1 N 52°06'00" W 10.33'	L2 N 74°36'00" W 72.47'	1 Δ = 57°21'05" R = 25.00' T = 13.67' L = 25.02'	2 Δ = 58°30'10" R = 25.00' T = 14.00' L = 25.53'
L3 N 17°14'55" W 55.18'	L4 N 41°15'15" E 68.47'	3 Δ = 64°08'45" R = 25.00' T = 15.67' L = 27.99'	
L5 N 74°36'00" W 70.76'	L6 N 82°54'00" E 8.80'		

PLOT DATE: 3/20/15 PRED P:\PROJECTS\MM007401 MEINERS OAKS SWALE DESIGN\CAD\PLANS\SH1-02.DWG
 SAVE DATE: 3/20/15 PRED

C	WOODEN FENCE ALIGNMENT MODIFIED AS SHOWN.	APP.	DATE
B	MODIFIED CATCH BASIN & TRANSITION STRUCTURE WIDENED 2 FT DUE TO EXISTING ALIGNMENT (CCO#3).		
A	☉ OF PIPE FOUND TO BE 2FT EAST OF ALIGNMENT. AS SHOWN ON THE PLANS.		
REVISION	DESCRIPTION	APP.	DATE

PREPARED BY:
PHOENIX CIVIL ENGINEERING, INC.
 4532 TELEPHONE ROAD SUITE 113
 VENTURA, CA 93003
 (805) 658-6800

JT DESIGNED
 AR DRAWN
 JT CHECKED
 DATE: 3-18-15
 DATE: 3-26-2015
 DATE: 3/27/2015

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT

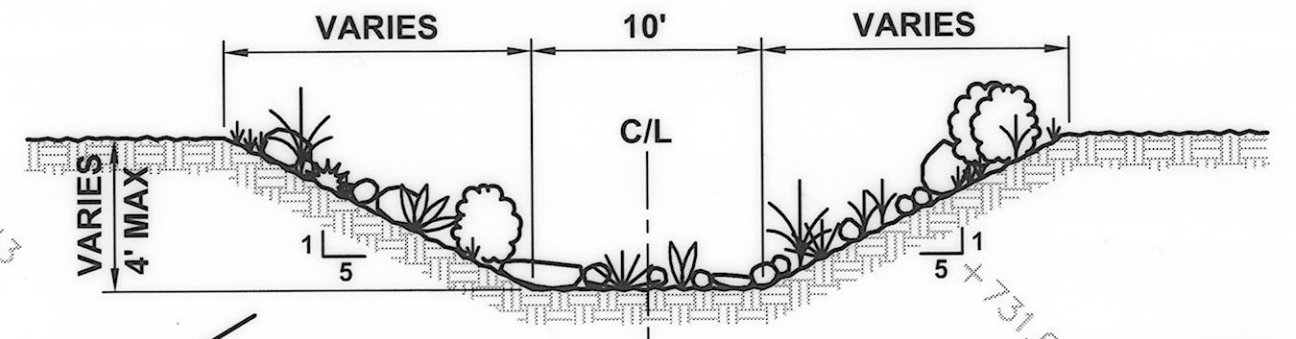
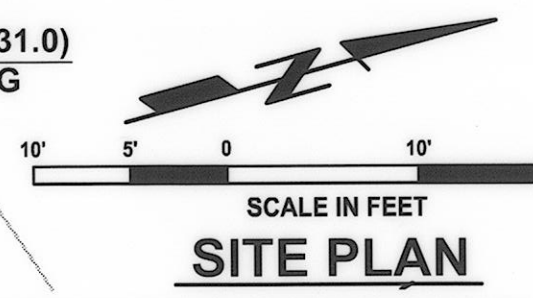
SPEC. NO.
WP15-14
 PROJ. NO.
40545

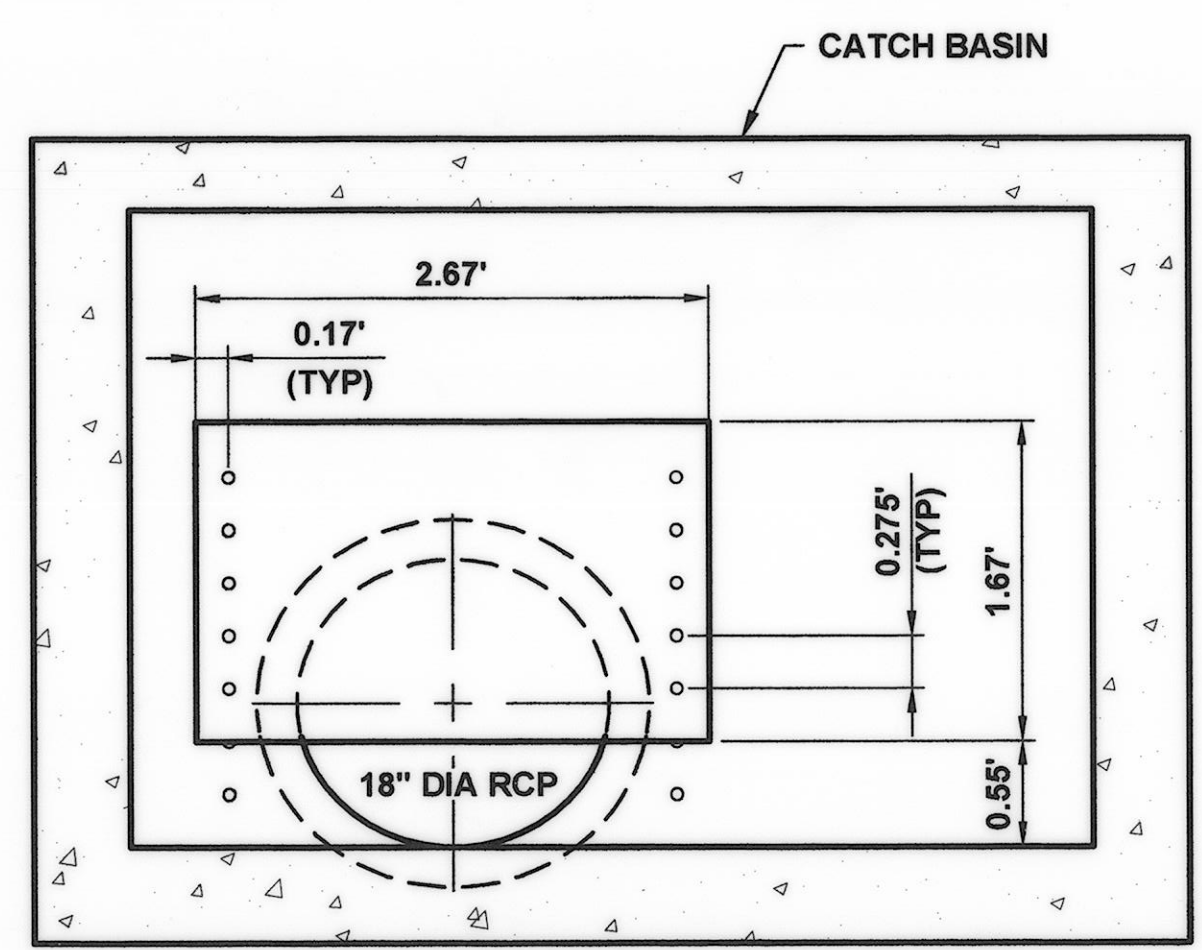
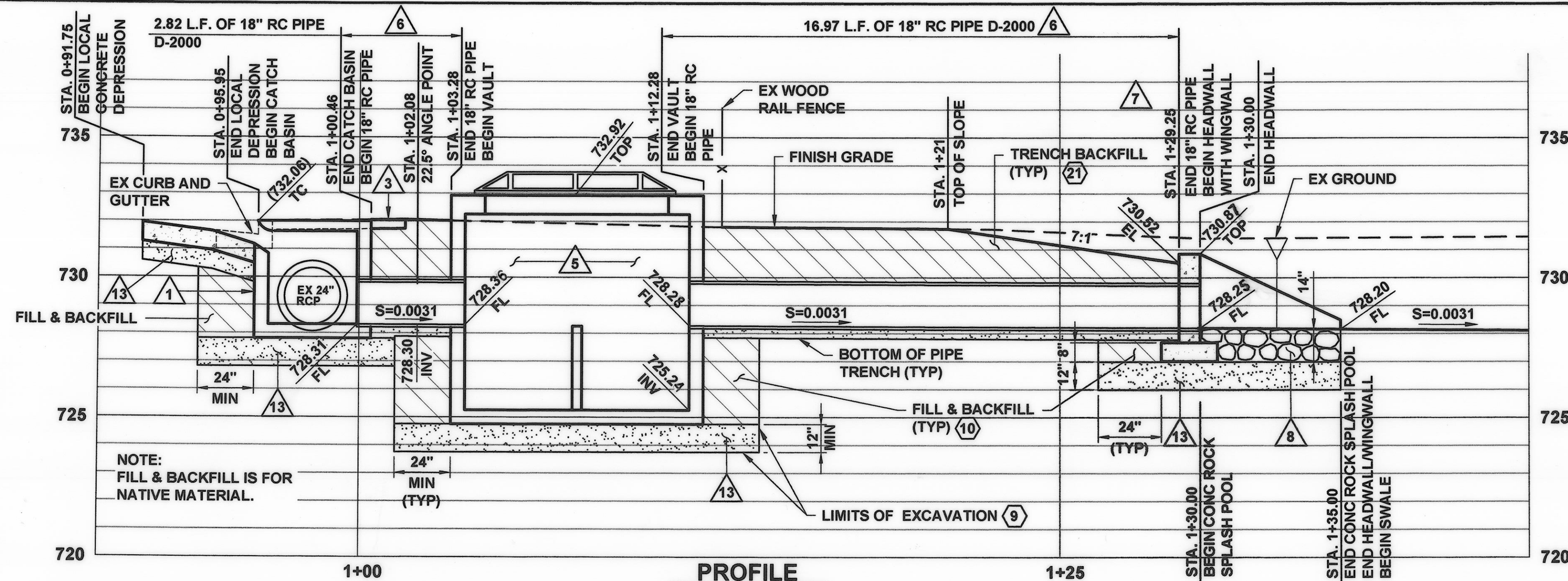
URBAN LID RETROFIT AT MEINERS OAKS
 SITE PLAN

SHEET **2**
 OF **8**
 DRAWING NO.
Y-1-831

RECORD DRAWING
 DATE PROJECT COMPLETED: **03-22-2016**
 REVISIONS SUBMITTED BY: **JULIE REGO**
 DRAWING REVISION BY: **A. RAMIREZ**
 APPROVED BY: *[Signature]* DATE: **05/19/16**

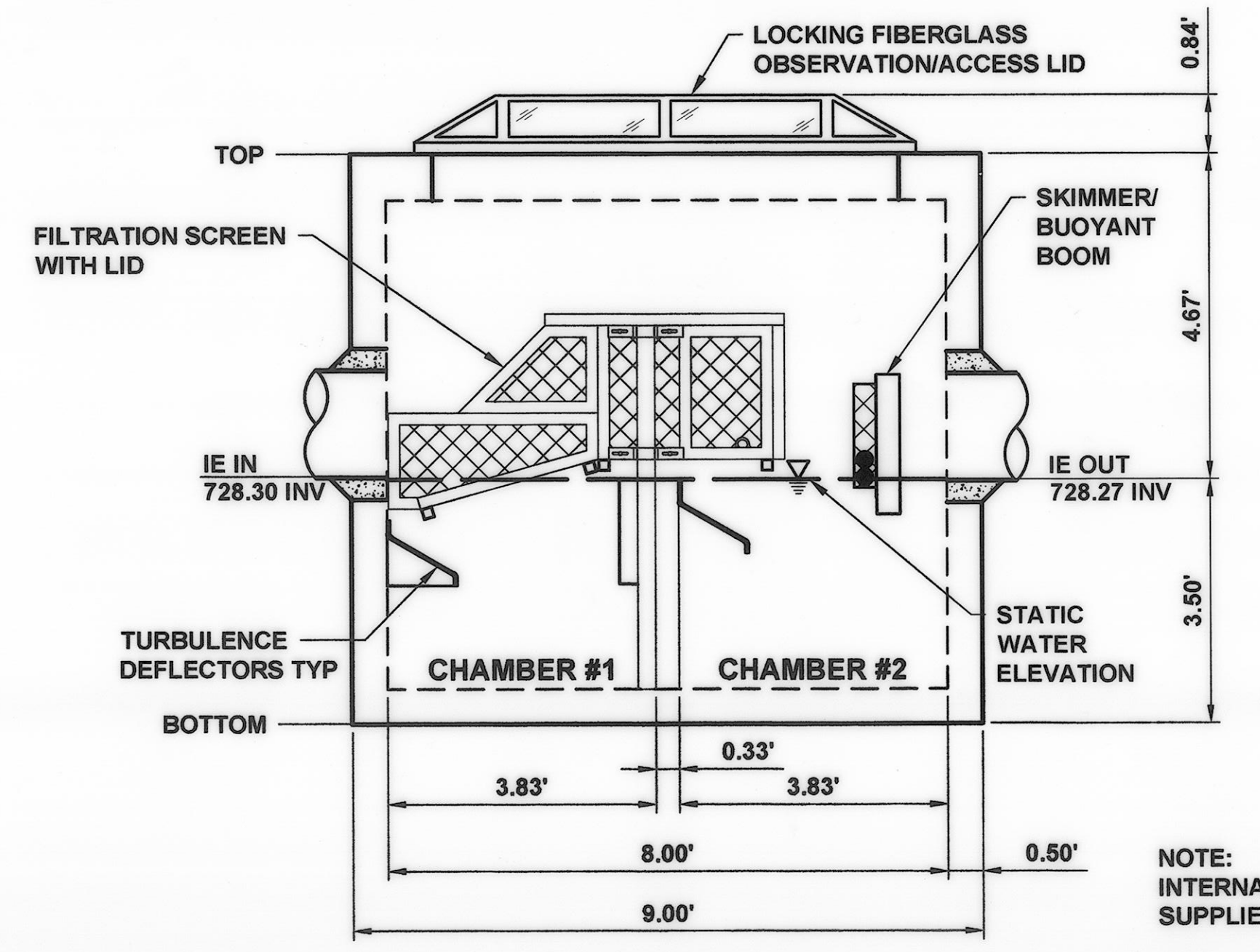
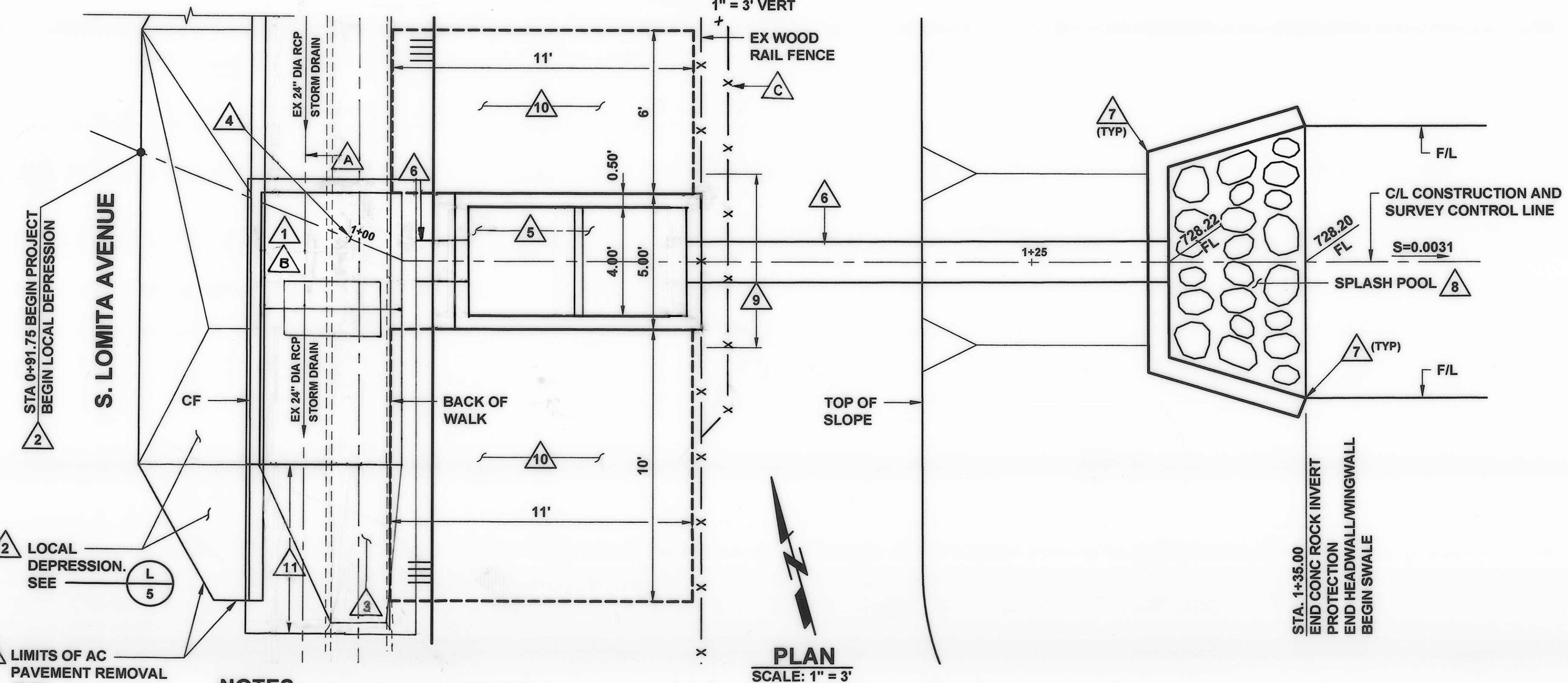
NOTE:
 REFER TO PLANTING PLANS SH1-7
SECTION
 SCALE: N.T.S.





NOTE: PLATE AND BOLTS PER SPECIFICATIONS. THREADED INSERTS SHALL BE SIMPSON BLUE BANGER HANGER.

STA 0+99.92
FLOW RESTRICTION PLATE DETAIL
 SCALE: 1" = 1"



DUAL STAGE HYDRODYNAMIC SEPARATOR DETAIL
 SCALE: 1" = 2"

NOTES

- 1 CONSTRUCT CATCH BASIN PER SPPWC STD PLAN 300-3, W= 10', V=3.75', CURB OPENING = 4', (MODIFIED, SEE SHEET 5).
- 2 CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN 313-3, CASE A. (14)
- 3 CONSTRUCT SIDEWALK REPLACEMENT PER SPPWC STD PLAN 112-2. REMOVE AND DISPOSE OF SIDEWALK TO THE NEAREST JOINT. (12)
- 4 18" DIA RC PIPE CONNECTION TO CATCH BASIN PER SPPWC STD PLAN 308-2. SEE
- 5 INSTALL BIOCLEAN DUAL STAGE HYDRODYNAMIC SEPARATOR MODEL NSBB-4-8-84 WITH LOCKING FIBERGLASS VIEW HATCH. SEE
- 6 INSTALL 18-INCH DIA RC PIPE D-2000 PER VCWWD TRENCH PLATE No. 1. (21)
- 7 CONSTRUCT HEADWALL, H=3'-2", L=7'-0" PER CALTRANS STD D90 TYPE A. THE FINISH TOP ELEVATION OF THE HEADWALL AND WINGWALLS SHALL PROTRUDE 4 INCHES ABOVE THE FINISH ELEVATION OF THE SWALE SLOPES. (18)
- 8 CONSTRUCT 14" THICK ROCK FACING CLASS SPLASH POOL WITHIN THE LIMITS AS SHOWN HEREON. (23)
- 9 REMOVE, DISPOSE AND REPLACE EXISTING WOOD RAIL FENCE IN THIS AREA AS NEEDED. SEE
- 10 EDUCATIONAL VIEWING AREA. SEE
- 11 CONSTRUCT TRANSITION STRUCTURE PER SPPWC STD 342-2 (MODIFIED, SEE SHEET 5). SEE
- 12 SAWCUT, REMOVE AND DISPOSE OF ALL AC PAVEMENT INTERFERING WITH THE CONSTRUCTION OF CONCRETE LOCAL DEPRESSION AT CATCH BASIN. (7)
- 13 INSTALL 12" DEEP STABILIZING BASE MATERIAL. COMPACT TO 95% OF LAB MAX DENSITY. (26)
- 14 IT IS ANTICIPATED THAT BOULDERS MAY BE ENCOUNTERED DURING EXCAVATION ACTIVITIES. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL BOULDERS LARGER THAN 4 INCHES AND SHALL BACKFILL ALL VOIDS AS NEEDED. THE ENGINEER SHALL APPROVE THE FILL AND BACKFILL PRIOR TO USE.

LOW FLOW DIVERSION AND SWALE PRETREATMENT DETAIL
 SCALE: 1" = 3"

WOODEN FENCE ALIGNMENT MODIFIED AS SHOWN.
 MODIFIED CATCH BASIN & TRANSITION

REVISION	DESCRIPTION	APP.	DATE
1	STRUCTURE WIDENED 2 FT DUE TO EXISTING ALIGNMENT (CCO#3).		
2	OF PIPE FOUND TO BE 2FT EAST. OF ALIGNMENT. AS SHOWN ON THE PLANS.		

PREPARED BY:
PHOENIX CIVIL ENGINEERING, INC.
 4532 TELEPHONE ROAD SUITE 113
 VENTURA, CA 93003
 (805) 658-6800

DESIGNED: JT
 DRAWN: AR
 CHECKED: JT
 DATE: 3-18-15
 DATE: 3-24-2015
 DATE: 3/27/2015

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT

SPEC. NO.
 WP15-14
 PROJ. NO.
 40545

URBAN LID RETROFIT AT MEINERS OAKS
 LOW FLOW DIVERSION AND SWALE PRETREATMENT
 PLAN AND PROFILE STA 0+91.75 TO STA 1+35.00

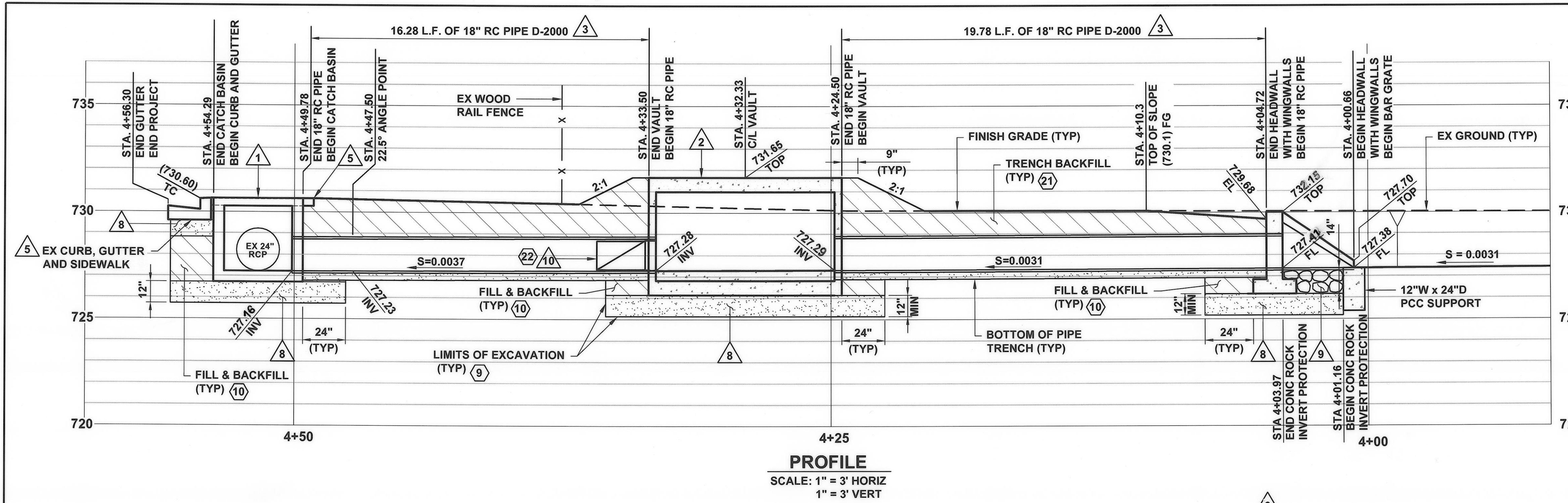
SHEET 3
 OF 8
 DRAWING NO.
 Y-1-832



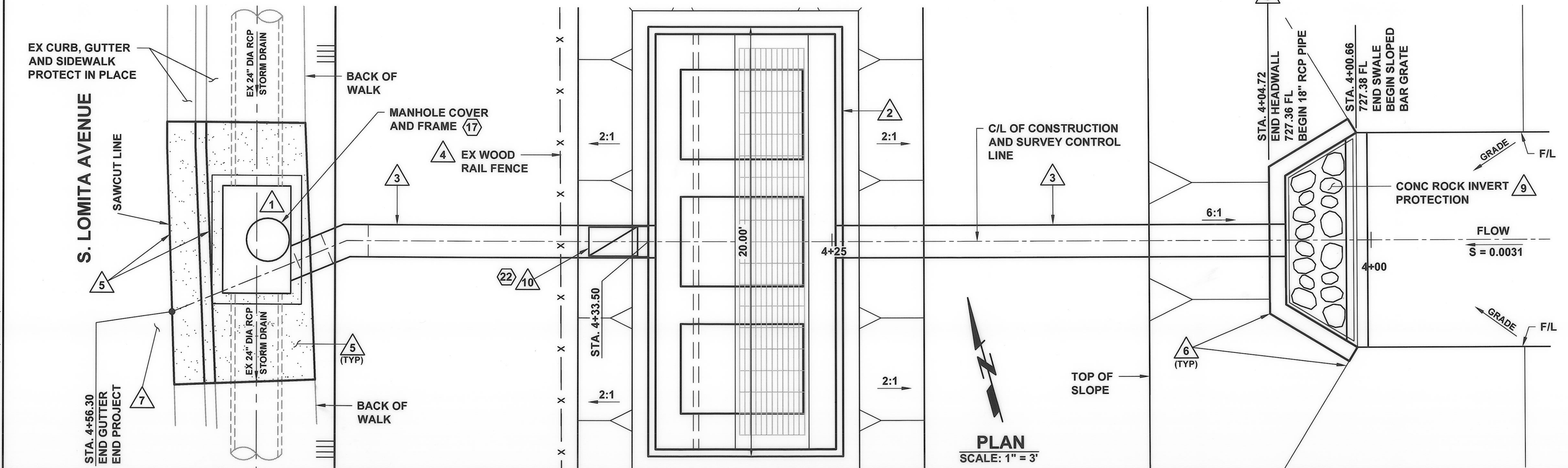
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 DATE PROJECT COMPLETED 03-22-2016
 REVISIONS SUBMITTED BY JULIE REGO
 DRAWING REVISED BY A. RAMIREZ
 APPROVED BY [Signature] DATE 05/13/16

PLOT DATE: 3/22/15
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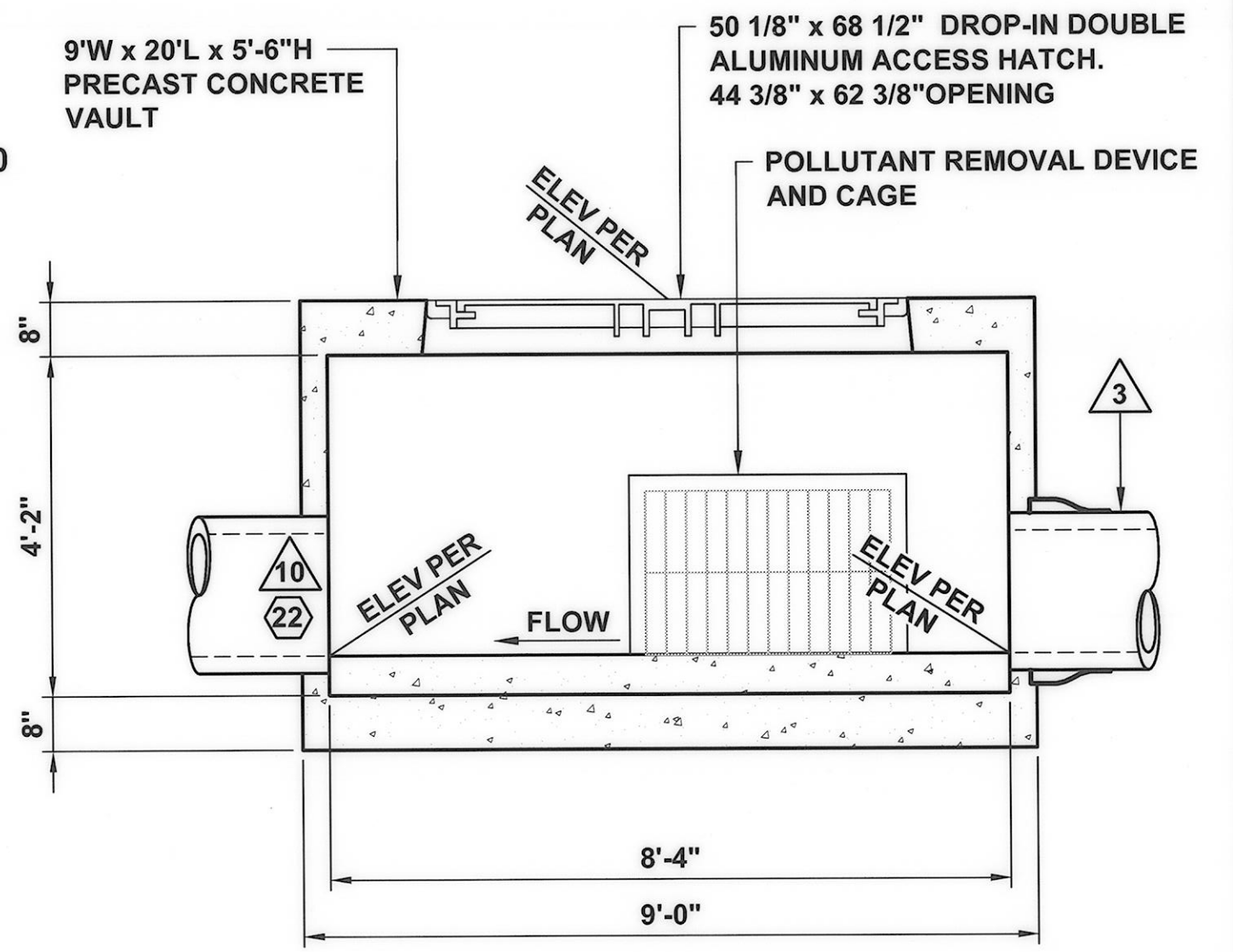
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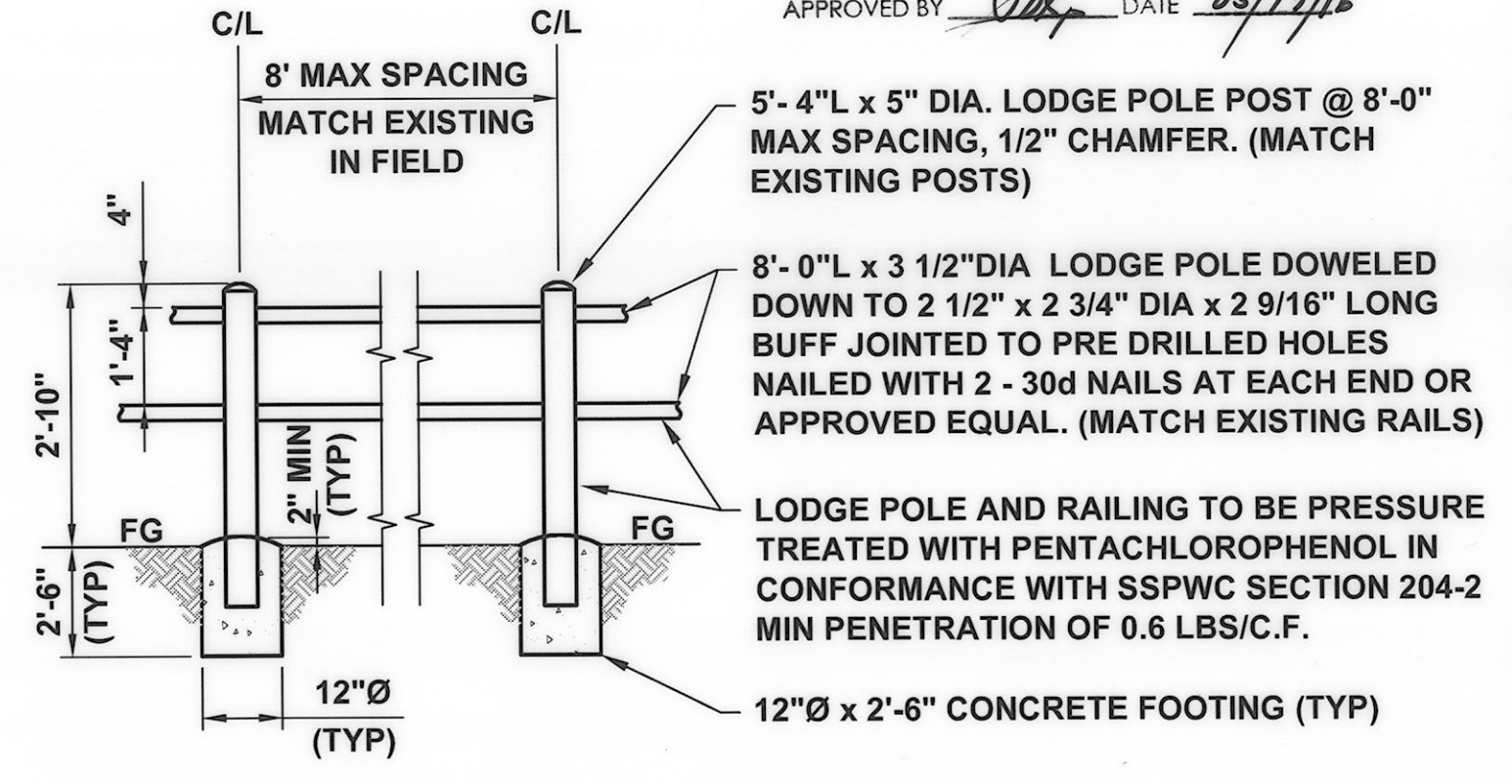
PROFILE
SCALE: 1" = 3' HORIZ
1" = 3' VERT



PLAN
SCALE: 1" = 3'



POLLUTANT REMOVAL VAULT DETAIL
SCALE: 1" = 2'-0"



WOOD RAIL FENCE DETAIL
SCALE: NOT TO SCALE

- NOTES**
- 1 CONSTRUCT CATCH BASIN PER SPPWC STD PLAN 300-3, W=5', V=3.38'. (MODIFIED, NO CURB OPENING). 18" DIA RC PIPE CONNECTION TO CATCH BASIN PER SPPWC STD PLAN 308-2. (17)
 - 2 INSTALL POLLUTANT REMOVAL STRUCTURE, 9'W x 20'L x 5'-6"H PRECAST CONCRETE VAULT. VAULT TO HOUSE THE ABTECH INDUSTRIES SMART PAKS (SMPK-1212-3 PLUS) AND STAINLESS STEEL CAGE. SEE (F) (20)
 - 3 INSTALL 18-INCH DIA RC PIPE D-2000 PER VCWWD TRENCH PLATE No. 1. (21)
 - 4 REMOVE, DISPOSE OF AND REPLACE EXISTING WOOD RAIL FENCE IN THIS AREA AS NEEDED. SEE (G) (27)
 - 5 SAWCUT, REMOVE, DISPOSE OF AND REPLACE EXISTING CURB, GUTTER AND SIDEWALK TO NEAREST JOINT TO FACILITATE CATCH BASIN INSTALLATION. CONSTRUCT REPLACEMENTS PER SPPWC STD PLAN 120-2, TYPE A2-6 AND SPPWC STD PLAN 112-2. (7) (12) (13)
 - 6 CONSTRUCT HEADWALL, H=3'-2", L=7'-0" PER CALTRANS STD STD D90, TYPE A. SLOPED BAR GRATE PER SPPWC STD PLAN 361-2, CASE A. MOUNT BAR GRATE 4" BELOW TOP OF HEADWALL. THE FINISH TOP ELEVATION OF THE HEADWALL AND WINGWALLS SHALL PROTRUDE 4 INCHES FROM THE FINISH ELEVATION OF THE SWALES SLOPE AT ANY LOCATION. (18) (28)
 - 7 ASPHALT CONCRETE PAVEMENT OUTSIDE THE LIMITS OF REMOVAL SHALL BE PROTECTED IN PLACE. DAMAGED AC PAVEMENT SHALL BE REPLACED/REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT THE CONTRACTOR'S EXPENSE.
 - 8 INSTALL 12" DEEP STABILIZING BASE MATERIAL. COMPACT TO 95% OF LAB MAX DENSITY. (26)
 - 9 CONSTRUCT 14" THICK CONCRETE ROCK INVERT PROTECTION AREA WITHIN THE LIMITS AS SHOWN HEREON. (23)
 - 10 INTERNAL INLINE CHECK VALVE PER SPECIFICATIONS. (22)

SWALE OUTLET AND POLLUTANT REMOVAL VAULT
SCALE: 1" = 3'

REVISION	DESCRIPTION	APP.	DATE

PREPARED BY:
PHOENIX CIVIL ENGINEERING, INC.
4532 TELEPHONE ROAD SUITE 113
VENTURA, CA 93003
(805) 658-6800

DESIGNED: JT
DRAWN: AR
CHECKED: JT

DATE: 3-18-15
DATE: 3/27/2015
DATE: 3/27/2015

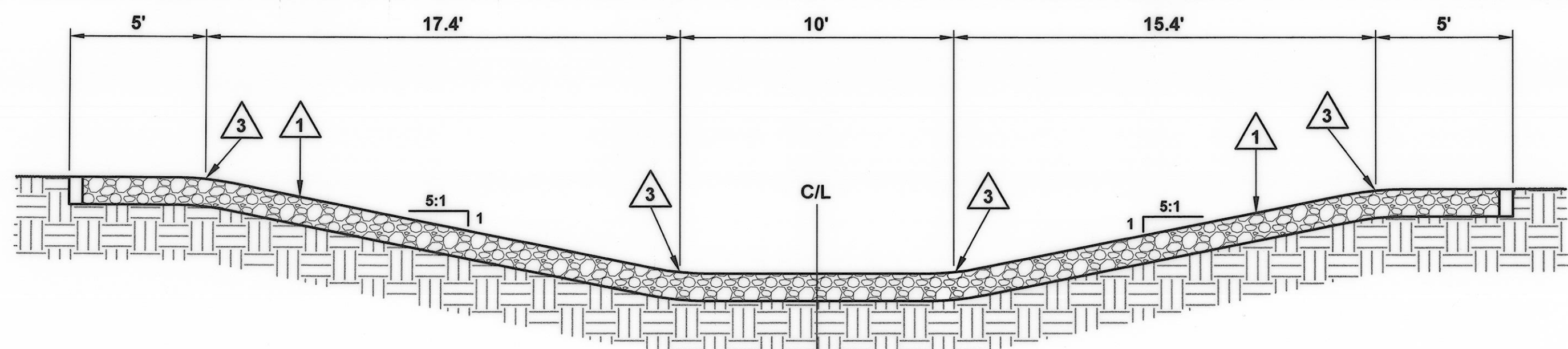
**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

SPEC. NO.
WP15-14
PROJ. NO.
40545

URBAN LID RETROFIT AT MEINERS OAKS
SWALE OUTLET AND POLLUTANT REMOVAL VAULT
PLAN AND PROFILE STA 4+00.66 TO STA 4+56.30

SHEET 4
OF 8
DRAWING NO. Y-1-833

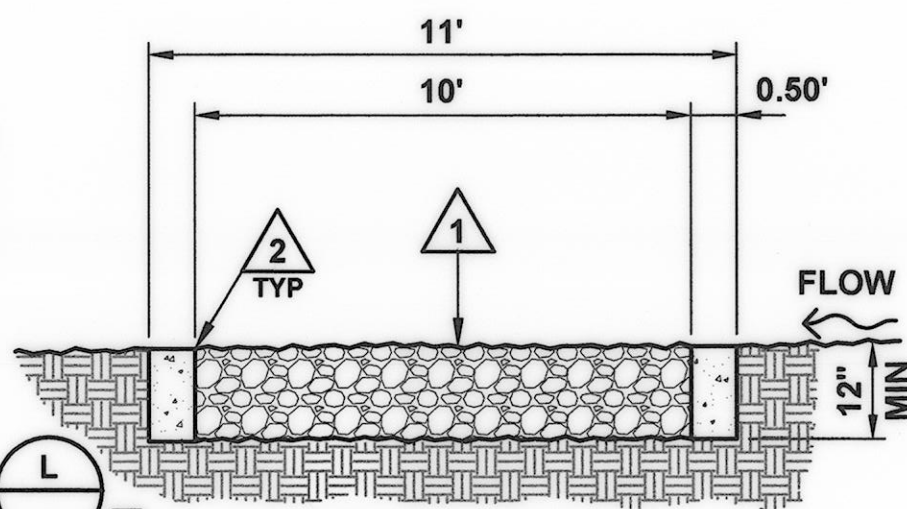




SECTION A
SCALE: 1" = 4'

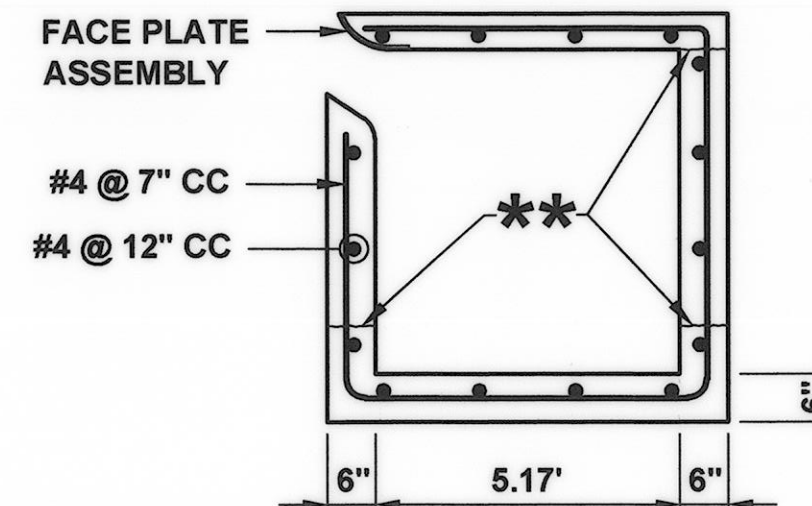
NOTES

- 1 INSTALL 12-INCH THICK CRUSHED MISCELLANEOUS BASE MAINTENANCE CROSSING. (25)
- 2 CONSTRUCT A 6" WIDE x 10' LONG x 12" DEEP CONCRETE MOW STRIP. ALL EXPOSED EDGES SHALL BE CHAMFERED (3/4"x3/4").
- 3 CONSTRUCT A 10' RADIUS AT TOP AND BOTTOM OF SLOPES FOR EASIER ACCESS BY MAINTENANCE VEHICLES (ONLY WITHIN CROSSING)
- 4 SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF ALL INTERFERING ASPHALT CONCRETE PAVEMENT WITH THE CONSTRUCTION OF THE LOCAL DEPRESSION. (7)
- 5 ASPHALT CONCRETE PAVEMENT OUTSIDE THE LIMITS OF REMOVAL SHALL BE PROTECTED IN PLACE. DAMAGED AC PAVEMENT SHALL BE REPLACED AT CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER.
- 6 MATCH EXISTING ELEVATIONS.
- 7 CONSTRUCT CATCH BASIN PER SPPWC STD PLAN 300-3, W= 10', V=3.75', CURB OPENING = 4', t=6", t_r=6"(MODIFIED). SEE
- 8 CONSTRUCT TRANSITION STRUCTURE PER SPPWC STD 342-2 (MODIFIED). SEE
- 9 CONSTRUCT LOCAL DEPRESSION PER SPPWC STD PLAN 313-3, CASE A. (14)

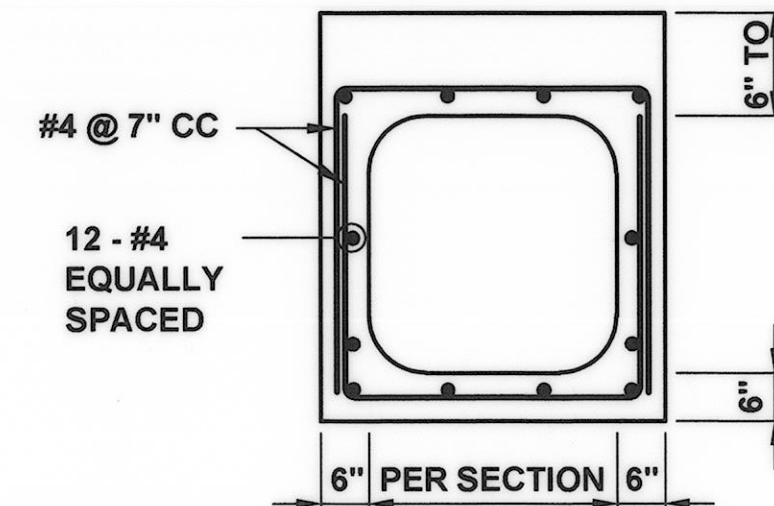


SECTION B
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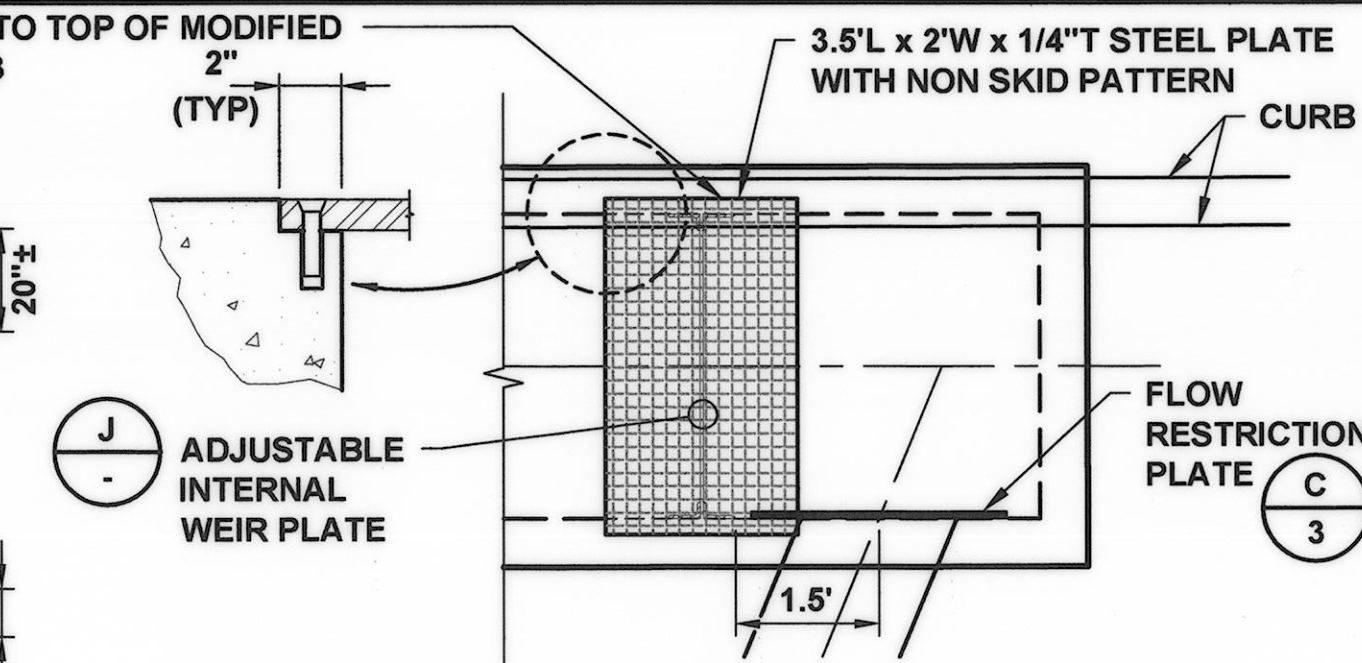
** ROUGHENED CONST JOINT (OPTIONAL)



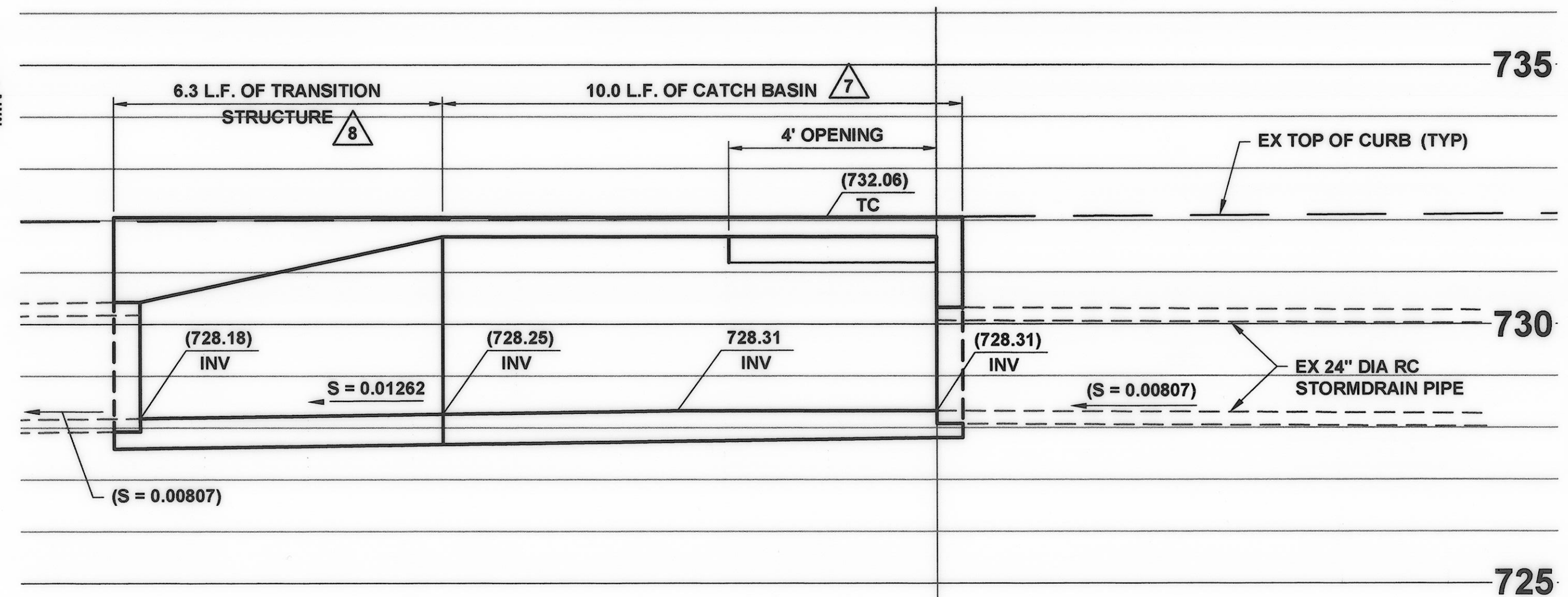
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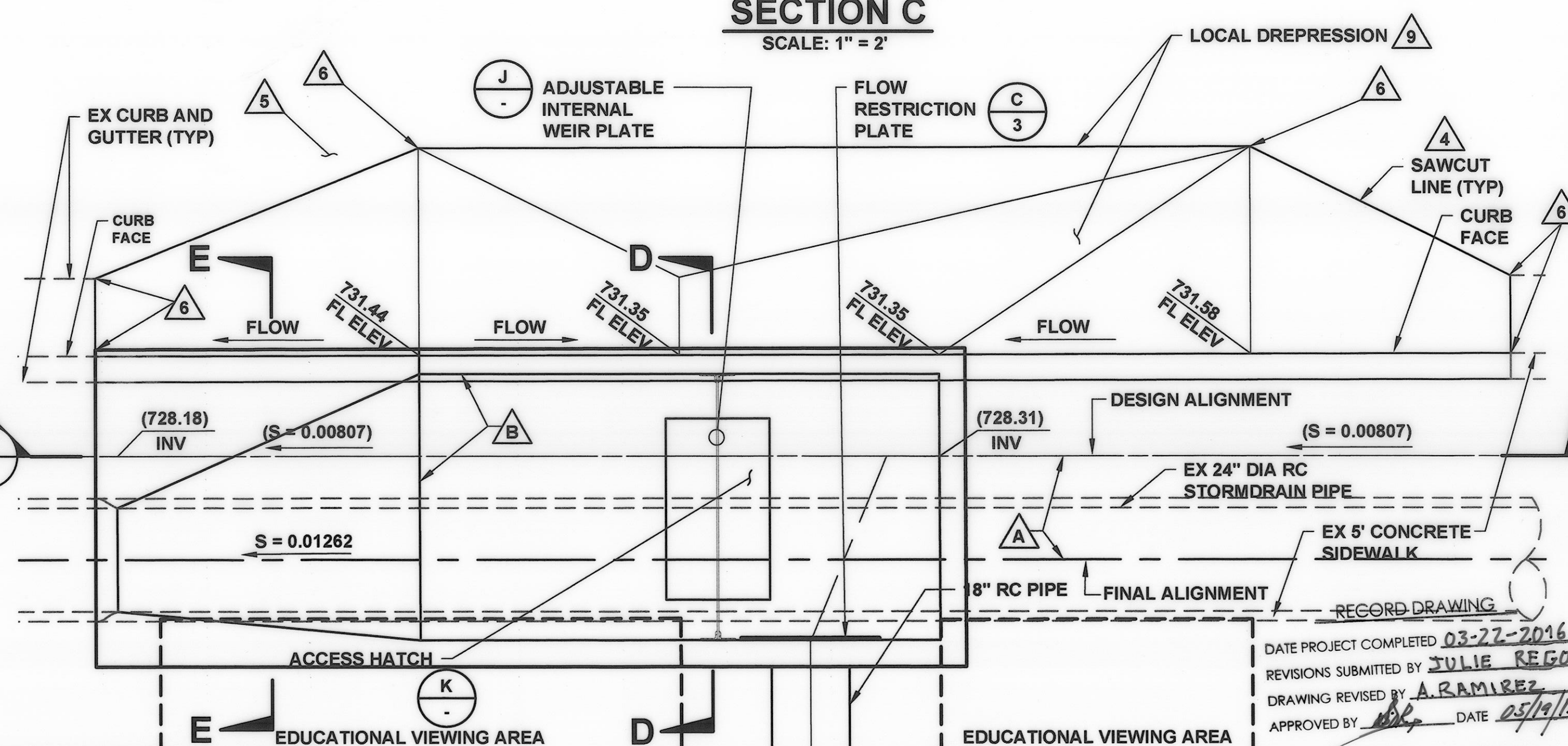
SECTION E - E
SCALE: N.T.S.



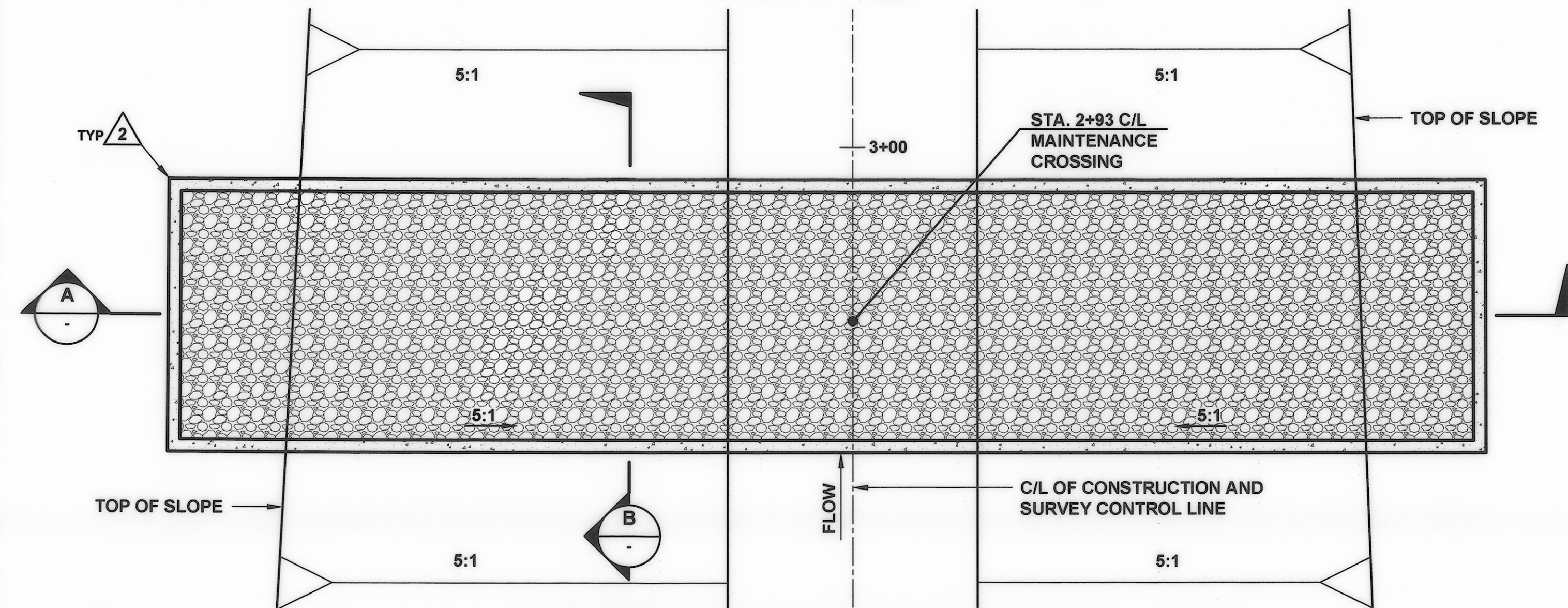
NOTE: BOLTS SHALL BE 1.25" LONG x 3/8" DIA FLUSH HEAD.
ACCESS HATCH DETAIL
SCALE: 1" = 2'



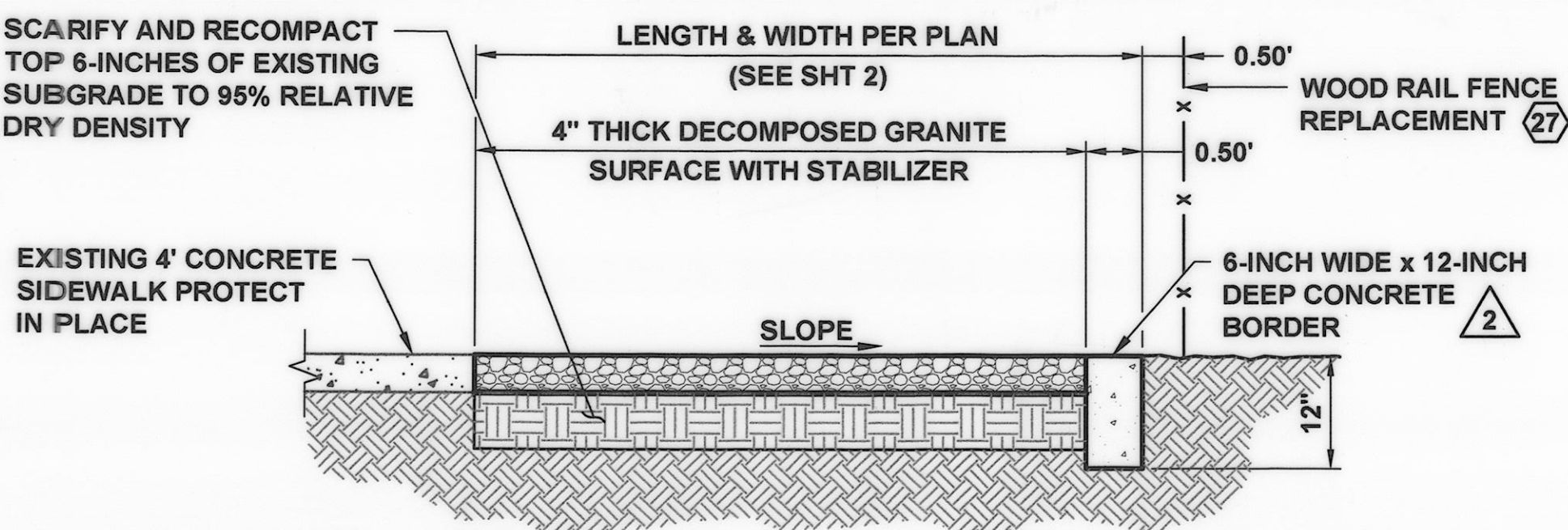
SECTION C
SCALE: 1" = 2'



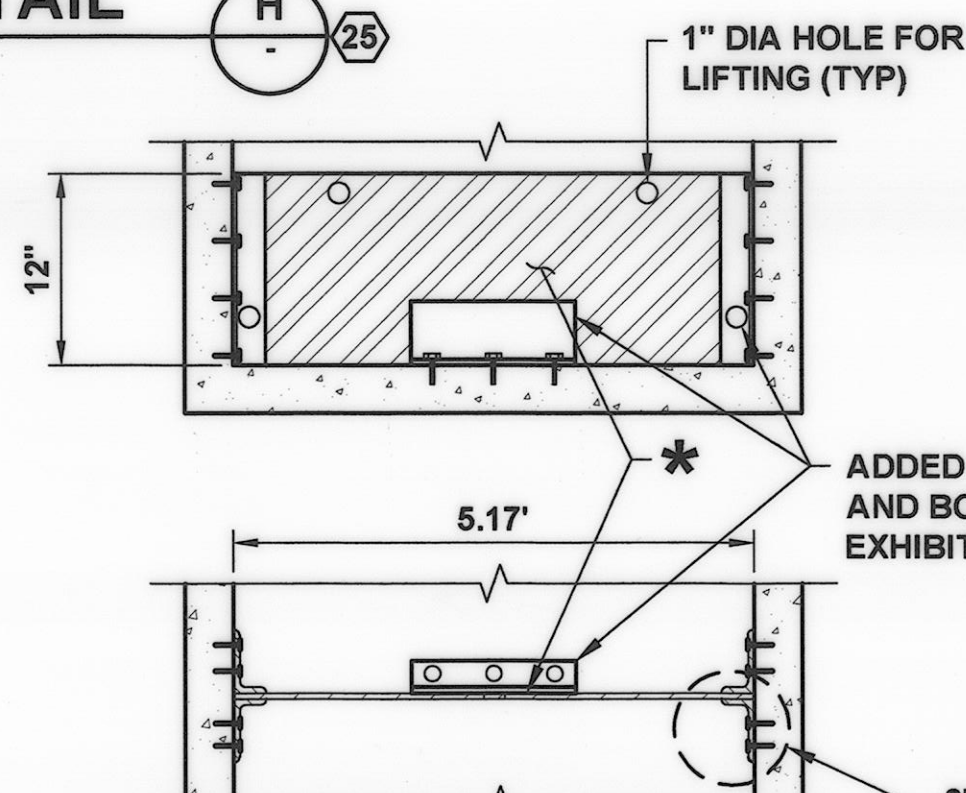
MODIFIED CATCH BASIN AND LOCAL DEPRESSION DETAIL
SCALE: 1" = 2'



MAINTENANCE CROSSING DETAIL
SCALE: 1" = 4'



EDUCATIONAL VIEWING/PARKING AREA EDGE DETAIL
SCALE: N.T.S.



ADJUSTABLE WEIR PLATE
SCALE: N.T.S.

REVISION	DESCRIPTION	APP.	DATE
B	MODIFIED CATCH BASIN & TRANSITION		
A	STRUCTURE WIDENED 2 FT DUE TO EXISTING ALIGNMENT (CCO#3).		
	6" OF PIPE FOUND TO BE 2FT EAST, OF ALIGNMENT, AS SHOWN ON THE PLANS.		

PREPARED BY:
PHOENIX CIVIL ENGINEERING, INC.
4532 TELEPHONE ROAD SUITE 113
VENTURA, CA 93003
(805) 658-6800

JT
DESIGNED
AR
DRAWN
JT
CHECKED

DATE: 3-18-15
DATE: 3-26-2015
DATE: 2/27/2015

**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

SPEC. NO.
WP15-14
PROJ. NO.
40545

URBAN LID RETROFIT AT MEINERS OAKS
SECTIONS AND DETAILS

SHEET 5
OF 8
DRAWING NO. Y-1-834

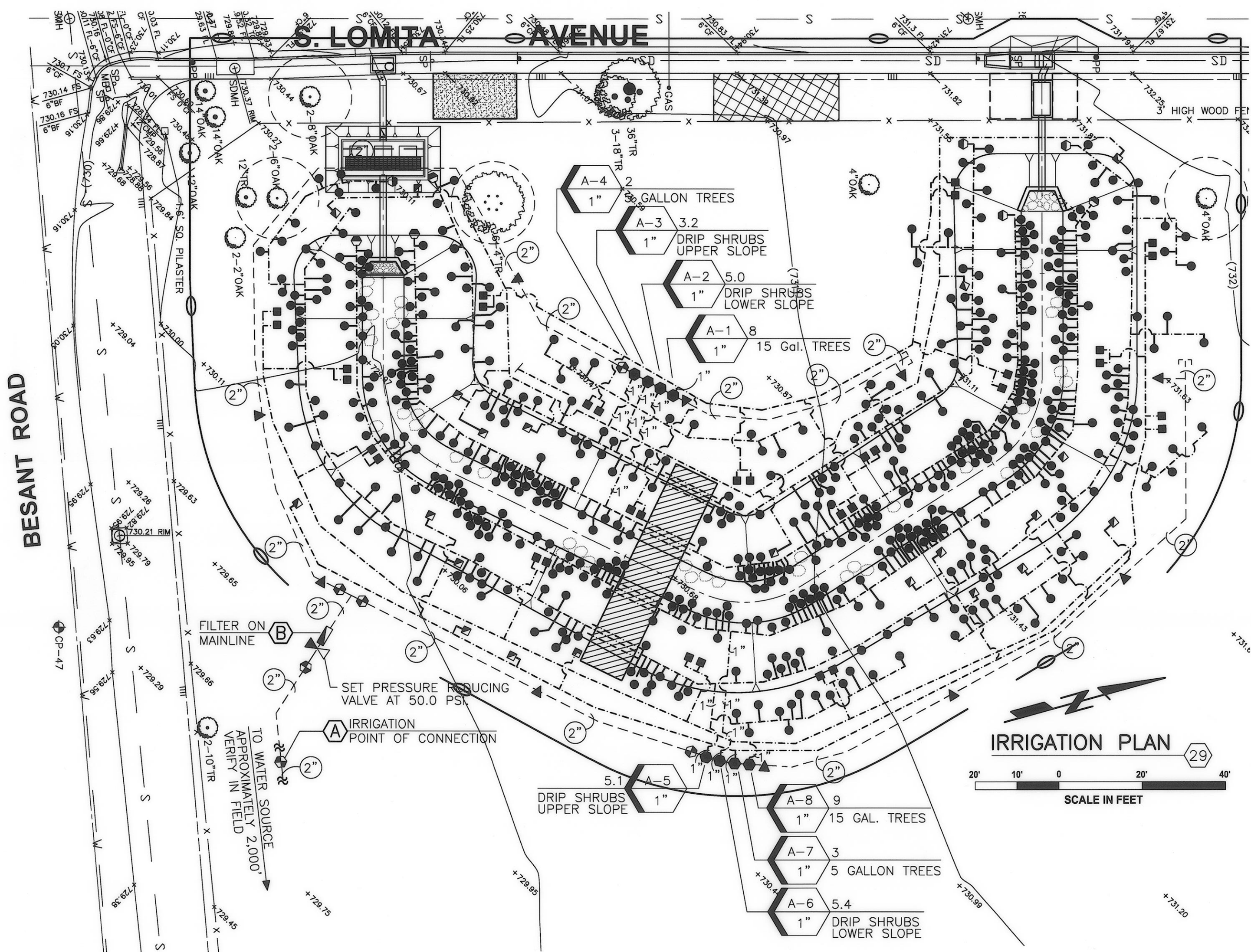
DATE PROJECT COMPLETED 03-27-2016
REVISIONS SUBMITTED BY JULIE REGO
DRAWING REVISION BY A. RAMIREZ
APPROVED BY [Signature] DATE 05/14/16



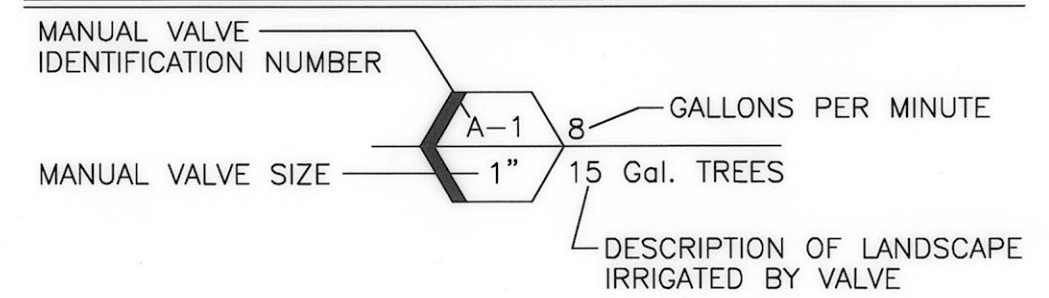
PLOT DATE: 12/15/15
K:\PROJECTS\URBAN LID RETROFIT\URBAN LID RETROFIT_LAY\MEINERS_OAKS\DESIGN\DRAWINGS\AS-BUILT\AUTOCAD FILES\SP1-05.DWG

PROJECT NOTES

- FIELD VERIFY AVAILABLE WATER PRESSURE FROM EXISTING IRRIGATION PUMP AT POINT OF CONNECTION AND NOTIFY THE LANDSCAPE ARCHITECT PRIOR TO BEGINNING ANY WORK.
- CONTACT DIG ALERT AT 1-800-227-2600 TO IDENTIFY AND LOCATE ALL ON SITE UTILITIES PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL COORDINATE WITH THE COUNTY OF VENTURA PUBLIC WORKS REPRESENTATIVE AND REVIEW THE EXISTING SITE PRIOR TO BEGINNING WORK TO AVOID CONFLICTS WITH EXISTING UTILITIES.
- SCH. 40 PVC LATERALS SHALL BE 3/4" IN SIZE UNLESS SPECIFICALLY IDENTIFIED ON THE PLAN AS 1" SIZE. ALL SCH. 40 PVC LATERALS ON THIS PROJECT SHALL BE TREATED WITH ULTRAVIOLET RESISTANT MATERIALS BY THE PIPE MANUFACTURER SUITABLE FOR USE FOR ON GRADE APPLICATIONS. ALL SCH. 40 PVC ULTRAVIOLET TREATED LATERALS INSTALLED ON GRADE SHALL BE STAPLED TO THE GRADE WITH #4X24" REBAR J-HOOKS AT 4'-0" O.C.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY TRENCH SETTLING OR IRRIGATION HEAD SETTLING OR TILTING. ALL TRENCHES WILL BE BACK FILLED WITH CLEAN SOIL, COMPACTED AND, IF DEEMED NECESSARY BY THE COUNTY, BE PLANTED WITH NEW PLANTS AND MULCH GROUND COVER. ALL HEADS THAT SETTLE WILL BE RAISED AND STRAIGHTENED TO CONFORM TO THE DRIP EMITTER DETAIL. PROVIDE ADDITIONAL SOIL AS NECESSARY AND HAND TAMP AROUND HEAD TO PREVENT FUTURE SETTLING.
- INSTALL PVC SLEEVES FOR ALL PVC IRRIGATION PIPES INSTALLED UNDER PAVING. MAINLINE AND IRRIGATION PIPING SHALL BE SIZED WITH SLEEVE PIPING BEING 3 TIMES LARGER THAN THE PIPE SIZE INSERTED WITHIN THE SLEEVE. THIS NOTE APPLIES TO ANY POSSIBLE CONDITION ON SITE THAT IS DISCOVERED IN THE FIELD AT THE TIME OF CONSTRUCTION.
- THE IRRIGATION SYSTEM IS SHOWN DIAGRAMMATICALLY. BOTH LATERAL PIPING AND MAINLINE PIPING ARE ILLUSTRATED ON THE IRRIGATION PLAN FOR CLARITY PURPOSES. INSTALL ALL IRRIGATION EQUIPMENT WITHIN THE LIMIT OF WORK BOUNDARY WHENEVER POSSIBLE. INSTALL THE IRRIGATION MAINLINE IN A LOCATION WITHIN THE WORK BOUNDARY THAT PREVENTS IT FROM BEING INSTALLED DIRECTLY UNDER ANY NEW TREE PLANTING OR WITHIN ANY EXISTING TREE BRANCH CANOPY (DRIP LINE). COORDINATE THE EXACT LAYOUT OF THE IRRIGATION MAINLINE AND LATERAL SYSTEM AS WELL AS THE DEPTH OF THE IRRIGATION MAINLINE WITH THE COUNTY OF VENTURA REPRESENTATIVE AND OJAI VALLEY LAND CONSERVANCY REPRESENTATIVE PRIOR TO BEGINNING ANY WORK.
- INSTALL ALL MANUAL IRRIGATION VALVES A MINIMUM OF 12" ABOVE FINISH GRADE. POSITION DRIP FILTER ON DOWNSTREAM RISER SO THAT FILTER CAN BE EASILY ACCESSED BY MAINTENANCE STAFF. INSTALL MANUAL VALVES 30" APART FROM EACH OTHER.
- INSTALL ONLY PURPLE COLORED RECLAIMED WATER VALVE BOXES ON THIS PROJECT. PROVIDE AND INSTALL ALL VALVES BOX SIZES AS PER PLANS, DETAILS, AND SPECIFICATIONS.
- USE ONLY SCH. 80 PVC NIPPLES AND T.O.E. NIPPLES AS NEEDED FOR ALL THREADED VALVE ASSEMBLIES. NO SCH. 40 PVC MALE ADAPTERS WILL BE USED FOR ANY THREADED ASSEMBLY.
- INSTALL MANUFACTURER G.P.H. ALGAE AND ULTRA VIOLET RESISTANT FLEXIBLE PVC HOSE, 'STICKY STRIPE' SERIES, I.P.S. SIZE 3/8", MODEL NUMBER GPCVSSAR050IRR, FROM RIGID SCH. 40 PVC U.V. LATERAL PIPING TO EACH INDIVIDUAL PLANT ROOT BALL PIT. CUT TUBING LENGTH TO SIZE IN THE FIELD. SOLVENT WELD (2) G.P.H. PVC BLACK COLORED MALE ADAPTERS, MODEL G436073B, USING IPS P-70 PURPLE PRIMER AND IPS-795 PVC SOLVENT CEMENT. THREAD ONE MALE ADAPTER INTO SCH. 40 U.V. TREATED PVC LATERAL FITTING AND THE SPECIFIC IRRIGATION NOZZLE AS SPECIFIED ON PLAN ON THE END SUPPLYING WATER TO THE PLANT. SECURE THE FLEXIBLE TUBING TO GRADE USING G.P.H. GALVANIZED TUBING STAPLES, MODEL GTDS050, AT 3'-0" O.C. ENSURE THAT EACH CONTAINERIZED PLANT HAS A 4" SOIL BASIN AROUND THE PERIMETER OF THE ROOT BALL TO CONTAIN THE IRRIGATION WATER WITHIN THE PLANT BASIN. THE SPECIFIC IRRIGATION NOZZLE SHALL BE PLACED AT THE OUTSIDE EDGE OF THE PLANT ROOT BALL ALLOWING WATER TO IRRIGATE BOTH THE PLANT ROOT BALL AND SOIL BACKFILL MIX.
- ALL PVC LATERAL FITTINGS USED ON THIS PROJECT SHALL BE ULTRA VIOLET RESISTANT SCH. 40 PVC MATERIAL. NO EXCEPTIONS ALLOWED.
- ALL SPRINKLER HEADS SPECIFIED ON THIS PROJECT HAVE BEEN SPECIFIED WITH A BUILT IN CHECK VALVE. ALL SPRINKLER HEADS USED ON THIS PROJECT MUST BE FURNISHED WITH A CHECK VALVE TO PREVENT LOW HEAD DRAINAGE. THE G.P.H. PRODUCTS SPECIFIED FOR THIS PROJECT CAN PREVENT LOW HEAD DRAINAGE UP TO 9'-3" IN ELEVATION CHANGE. ENSURE THAT ALL SPRINKLER HEADS INSTALLED ON ANY LATERAL SYSTEM DO NOT EXCEED THE 9'-3" MAXIMUM OPERATING RANGE FOR PROPER OPERATION OF THE CHECK VALVE AS DESIGNED ON THE IRRIGATION PLAN. SHOULD SIGNIFICANT DEVIATIONS IN THE LATERAL PIPING INSTALLATION BE MADE BY THE INSTALLING CONTRACTOR WITHOUT THE ADVANCED KNOWLEDGE OF THE LANDSCAPE ARCHITECT, THE CONTRACTOR WILL BE DIRECTED TO CORRECT THE LATERAL PIPING INSTALLATION TO THE SATISFACTION OF THE LANDSCAPE ARCHITECT TO PREVENT LOW HEAD DRAINAGE FROM OCCURRING ON SITE WITHOUT ANY COST TO THE OWNER.



REMOTE CONTROL VALVE KEY



IRRIGATION CALCULATIONS

CALCULATIONS - VALVE A-1 8.0 GPM	
AVAILABLE WATER PRESSURE @ EXISTING PUMP	85.0 PSI
LOSS THROUGH 2" MAINLINE TO PRES. REDUCING VALVE	1.4 PSI
PRESSURE REDUCING VALVE SET AT 50.0 PSI	50.0 PSI
LOSS FROM PRESSURE REDUCING VALVE TO WATER FILTER	0.1 PSI
LOSS AT WATER FILTER	0.2 PSI
LOSS FROM WATER FILTER TO MANUAL ANGLE VALVE	0.3 PSI
LOSS @ MANUAL ANGLE VALVE	1.0 PSI
DRIP PRESSURE REGULATING FILTER SET AT	40.0 PSI
LOSS FROM PRESSURE REGULATING FILTER TO LAST HEAD	2.6 PSI
LOSS DUE TO ELEVATION CHANGE	1.7 PSI
LOSS THROUGH FITTINGS	2.1 PSI
TOTAL FRICTION LOSS FROM PRESSURE REGULATING FILTER	6.4 PSI
AVAILABLE DOWNSTREAM PRESSURE AT PRESSURE REGULATING FILTER	40.0 PSI
OPERATING PSI	33.6 PSI

RECORD DRAWING

DATE PROJECT COMPLETED **03-22-2016**
 REVISIONS SUBMITTED BY **JULIE REGO**
 DRAWING REVISED BY **A. RAMIREZ**
 APPROVED BY *[Signature]* DATE **05/19/16**

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / REMARKS
-----	BURIED MAINLINE	PACIFIC PLASTICS	CLASS 315 PVC 'CYCLE FLOW' PURPLE COLORED PIPE SUITABLE FOR NON POTABLE WATER - 2" SIZE & LARGER - SOLVENT WELD - 24" BELOW GRADE
-----	BURIED MAINLINE	PACIFIC PLASTICS	SCH. 40 PVC 'CYCLE FLOW' PURPLE COLORED PIPE SUITABLE FOR NON POTABLE WATER - 1-1/2" SIZE & SMALLER - SOLVENT WELD - 24" BELOW GRADE
-----	ULTRA VIOLET TREATED PVC LATERAL INSTALLED ON GRADE	PACIFIC PLASTICS	'SOLAR PROOF ULTRAVIOLET RESISTANT SCH. 40 PVC - SOLVENT WELD - STAPLE TO GRADE #4 X 24" REBAR J-HOOKS @ 4'-0" O.C. 1" SIZES NOTED / MINIMUM 3/4" SIZE FOR REMAINING SYSTEM - USE TO ASSEMBLE BURIED PVC REMOTE CONTROL VALVE ASSEMBLIES AND SLEEVES AS WELL
-----	FLEXIBLE PVC HOSE INSTALLED ON GRADE	G.P.H. INC.	SCH. 40 PVC FLEXIBLE PVC HOSE - MODEL GPCVSSAR050IRR 'STICKY STRIPE' - 3/8" IPS SIZE - SOLVENT WELD TO G.P.H. PVC MALES ADAPTERS, G436073B, BLACK 3/8" IPS, WITH IPS P-70 PRIMER & 795 PVC SOLVENT CEMENT - STAPLE TO GRADE W/ G.P.H. GALV. STAPLES, MODEL GTDS050, @ 3'-0" O.C.
⊕	SCH. 80 PVC BALL VALVE	COLONIAL / LASCO	VX101N-SC SERIES - LINE SIZE - IN PURPLE COLORED STANDARD RECTANGULAR VALVE BOX
⊖	PRESSURE REDUCING VALVE	WILKINS	500HLR SERIES - 2" SIZE - SET AT 50.0 PSI - INSTALLED IN PURPLE COLORED JUMBO VALVE BOX WITH PURPLE LID
⊘	IRRIGATION MAINLINE FILTER	AMIAD	MODEL #2-0200-1150-1013 - 130 MICRON MESH SCREEN - 2" STEEL BODY - THREADED INLET AND OUTLET - INSTALL 24" ABOVE GRADE ON BRASS RISERS
▲	QUICK COUPLER	RAIN BIRD	44 NP - 1" SIZE - TWO PIECE RED BRASS BODY WITH PURPLE LOCKING RUBBER COVER - IN A PURPLE 9" ROUND VALVE BOX
⊙	DRIP REMOTE CONTROL VALVE ASSEMBLY	CHAMPION / RAIN BIRD	CHAMPION BRASS MANUAL ANGLE VALVE WITH UNION AND RISING SWIVEL, MODEL NUMBER 300RS-100, 1" SIZE, WITH A RAIN BIRD PRESSURE REGULATING FILTER, 1" SIZE, MODEL NUMBER PRF-100-RBY WITH A 200 MESH (75 MICRON) STAINLESS STEEL FILTER SCREEN.
⊖	PVC FLUSH VALVE	SPEARS	SCH. 40 PVC BALL VALVE - COMPACT SERIES - LINE SIZE - INSTALLED IN A PURPLE RECTANGULAR VALVE BOX WITH 4'-0" FLEX HOSE
●	PRESSURE COMPENSATING 2 GPH DRIP EMITTER W/ BUILT IN CHECK VALVE	G.P.H.	GPSTCV2MR (1/2" FPT / 2.0 GPH) - EMITTER W/ CHECK VALVE & PURPLE CAP - ATTACHED TO 1/2" G.P.H. 'STICKY STRIPE' FLEX PVC MODEL GPCVSSAR050IRR W/ (2) BLACK COLORED PVC MALE ADAPTERS, G.P.H. MODEL G436073B
■	PRESSURE COMPENSATING 25 GPM FLOOD BUBBLER W/ BUILT IN CHECK VALVE	G.P.H.	GPCBCV25R (1/2" FPT / .25 GPM) BUBBLER W/ CHECK VALVE & PURPLE CAP ATTACHED TO 1/2" G.P.H. 'STICKY STRIPE' FLEX PVC MODEL GPCVSSAR050IRR W/ (2) BLACK COLORED PVC MALE ADAPTERS, G.P.H. MODEL G436005B
■	TREE BUBBLERS	G.P.H.	GPCBCV50R (1/2" FPT / .50 GPM) BUBBLER W/ CHECK VALVE & PURPLE CAP - ATTACHED TO 1/2" G.P.H. 'STICKY STRIPE' FLEX PVC MODEL GPCVSSAR050IRR W/ (2) BLACK COLORED PVC MALE ADAPTERS, G.P.H. MODEL G436005B

PROJECT KEY NOTES

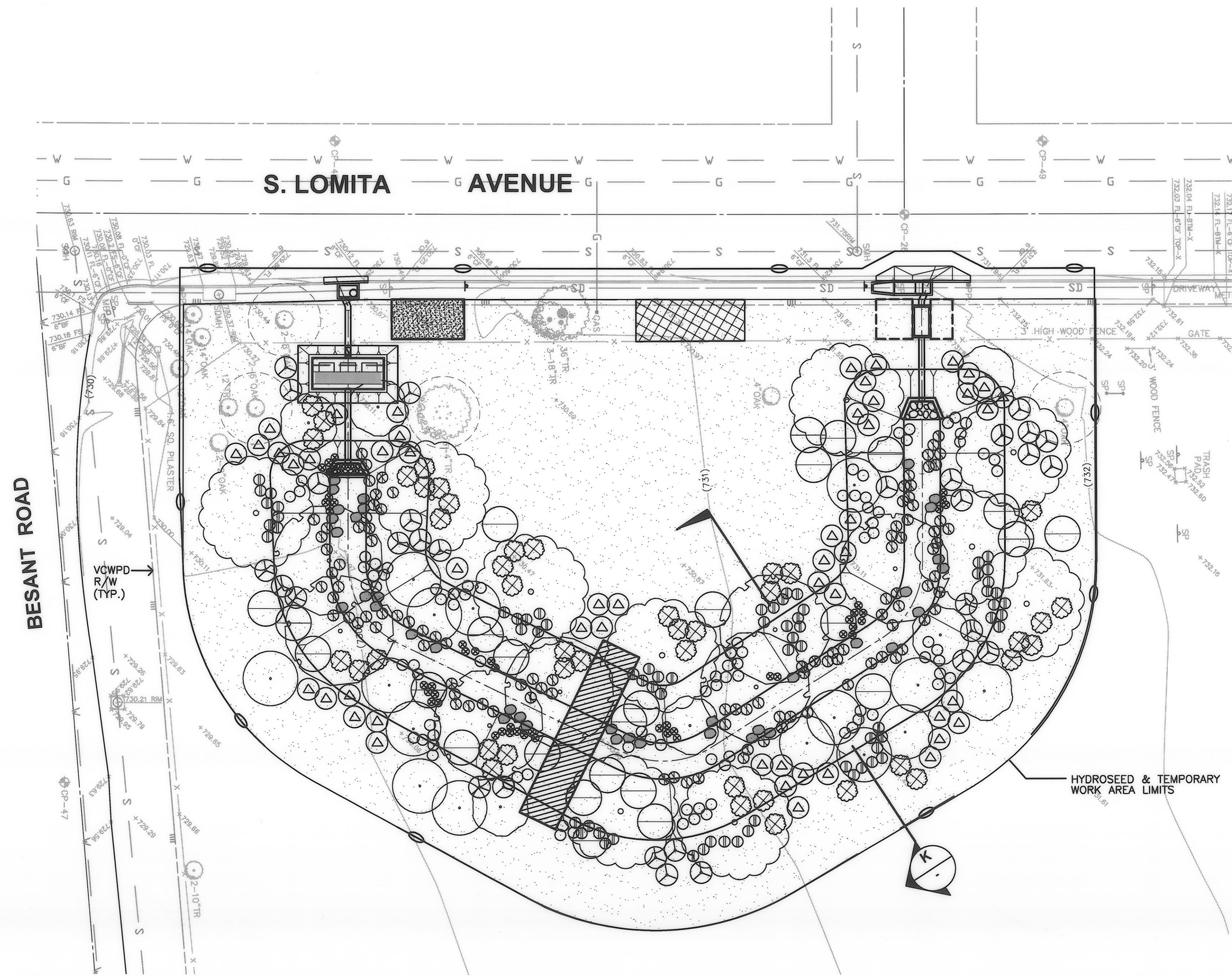
- (A) IRRIGATION POINT OF CONNECTION:**
 EXISTING NON-POTABLE IRRIGATION WELL WATER SOURCE EXISTING ON NATURE CONSERVANCY PROPERTY LOCATED APPROXIMATELY 2000 FEET TO THE EAST OF THIS PROJECT. CONTRACTOR TO VERIFY THE EXACT DISTANCE IN THE FIELD. EXCAVATE AND EXPOSE THE EXISTING IRRIGATION MAINLINE SOURCE DOWNSTREAM OF EXISTING BACKFLOW DEVICES FROM WELL AT LOCATION CLOSEST TO THIS PROJECT. CUT MAINLINE AND INSTALL A NEW TEE PROVIDING AN 2" WATER SOURCE FOR THIS PROJECT. INSTALL A NEW SCH. 80 PVC BALL VALVE IN A VALVE BOX FOR USE AS AN ISOLATION VALVE. TRENCH AND INSTALL MAINLINE TO PROJECT SITE AND INSTALL MAINLINE AND IRRIGATION VALVES AS PER PLAN.
- (B) MAINLINE WATER FILTER ON BRASS RISERS 24" ABOVE FINISH GRADE UPSTREAM OF MASTER VALVE:**
 INSTALL A 2" STEEL WATER FILTER ON 2" IRRIGATION MAINLINE UPSTREAM OF ALL MANUAL SPRINKLER VALVE ASSEMBLIES. INSTALL THE FILTER ON BRASS RISERS, 24" ABOVE FINISH GRADE. THE FILTER SHALL BE EQUIPPED WITH A 130 MICRON MESH SCREEN. INSTALL A 2" PRESSURE REDUCING VALVE ON THE BRASS RISER ON THE INLET SIDE OF THE WATER FILTER. SET PRESSURE REDUCING VALVE TO A 50.0 PSI DOWNSTREAM PRESSURE.

P:\PROJECTS\WMP0071401 MEINERS OAKS SWALE DESIGN\CAD\PLANS\LANDSCAPE\14.64 SHEET 6 IRRIG-REVISED.DWG
 SAVE DATE: 3/23/15 FRED
 PLOT DATE: 3/23/15

D C B A REVISION DESCRIPTION APP. DATE	PREPARED BY: JORDAN, GILBERT & BAIN LANDSCAPE ARCHITECTS, INC. 3350 LOMA VISTA ROAD, VENTURA CA 93003 (805) 642-3641 FAX (805) 642-9614	MG DESIGNED TC DRAWN MG CHECKED	PROJECT MANAGER: <i>[Signature]</i> DATE: 3-18-15 DEPUTY DIRECTOR: <i>[Signature]</i> DATE: 3-26-2015 DISTRICT DIRECTOR: <i>[Signature]</i> DATE: 3/27/2015	COUNTY OF VENTURA PUBLIC WORKS AGENCY WATERSHED PROTECTION DISTRICT	SPEC. NO. WP15-14 PROJ. NO. 40545	URBAN LID RETROFIT AT MEINERS OAKS IRRIGATION PLAN	SHEET 6 OF 8 DRAWING NO. Y-1-835
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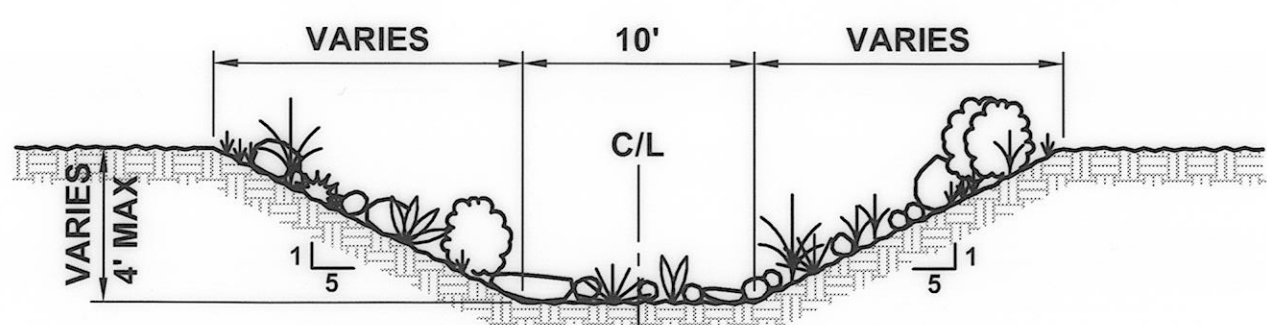
SAVE DATE: 3/23/15 PLOT DATE: 3/23/15 PRED P:\PROJECTS\WP1507\401 MEINERS OAKS SMALL SCALE DESIGN CAD\PLANSET\LANDSCAPE\1464 SHEET 7 PLANTING.DWG



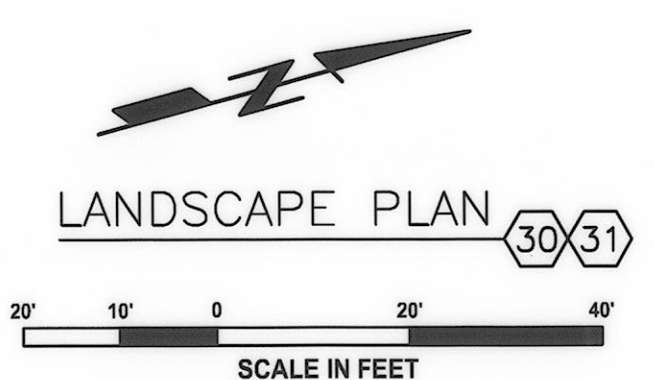
LEGEND

SYMBOL	BOTANICAL NAME/ COMMON NAME	SIZE	QUAN	HT. & SPRED.	WUCOLS RATING	DETAIL REF.
TREES						
	PLATANUS RACEMOSA CALIFORNIA SYCAMORE	15 GAL	7	12' X 5'	L	9/SHEET 7 10/SHEET 7
	QUERCUS LOBATA VALLEY OAK	15 GAL	10	12' X 5'	L	9/SHEET 7 10/SHEET 7
	HETEROMELES ARBUTIFOLIA TOYON	1 GAL	14	8' X 3'	L	9/SHEET 7
	RHANMUS ILLICIFOLIA HOLLYLEAF REDBERRY	1 GAL	7	8' X 3'	L	9/SHEET 7
SHRUBS						
	RIBES SPECIOSUM FUCHSIA-FLOWERING GOOSEBERRY	1 GAL	30		L	9/SHEET 7
	BACCHARIS SALICIFOLIA MULE FAT	1 GAL	70		L	9/SHEET 7
	JUNCUS PATENS CALIFORNIA GRAY RUSH	1 GAL	106		L	9/SHEET 7
	CLEMATIS LIGUSTICIFLIA WESTERN WHITE CLEMATIS	1 GAL	42		L	9/SHEET 7
	MUHLENBERGIA RIGENS DEER GRASS	1 GAL	90		L	9/SHEET 7
	RANUNCULUS CALIFORNICUS BUTTERCUPS	1 GAL	47		L	9/SHEET 7
	SAMBUCUS MEXICANA TAPIRO	1 GAL	26		L	9/SHEET 7
	SALVIA LEUCOPHYLLA PURPLE SAGE	1 GAL	52		L	9/SHEET 7
	BOULDERS SEE SPECIFICATIONS	2'X3'	37			
	HYDROSEED MIX SEE SPECIFICATIONS				L	

- NOTES:**
 1. ALL SIDE SLOPES SHALL RECEIVE COIR MATT 400 IN ACCORDANCE WITH CASQA BMP FACT SHEET EC-7. OVERLAPS AND STAPLING PER MANUFACTURER'S RECOMMENDATION.
 2. SEED MIX SHALL BE HYSDROSEED IN ACCORDANCE WITH CASQA BMP FACT SHEET EC-4.

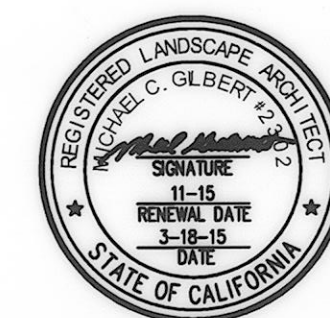


SECTION
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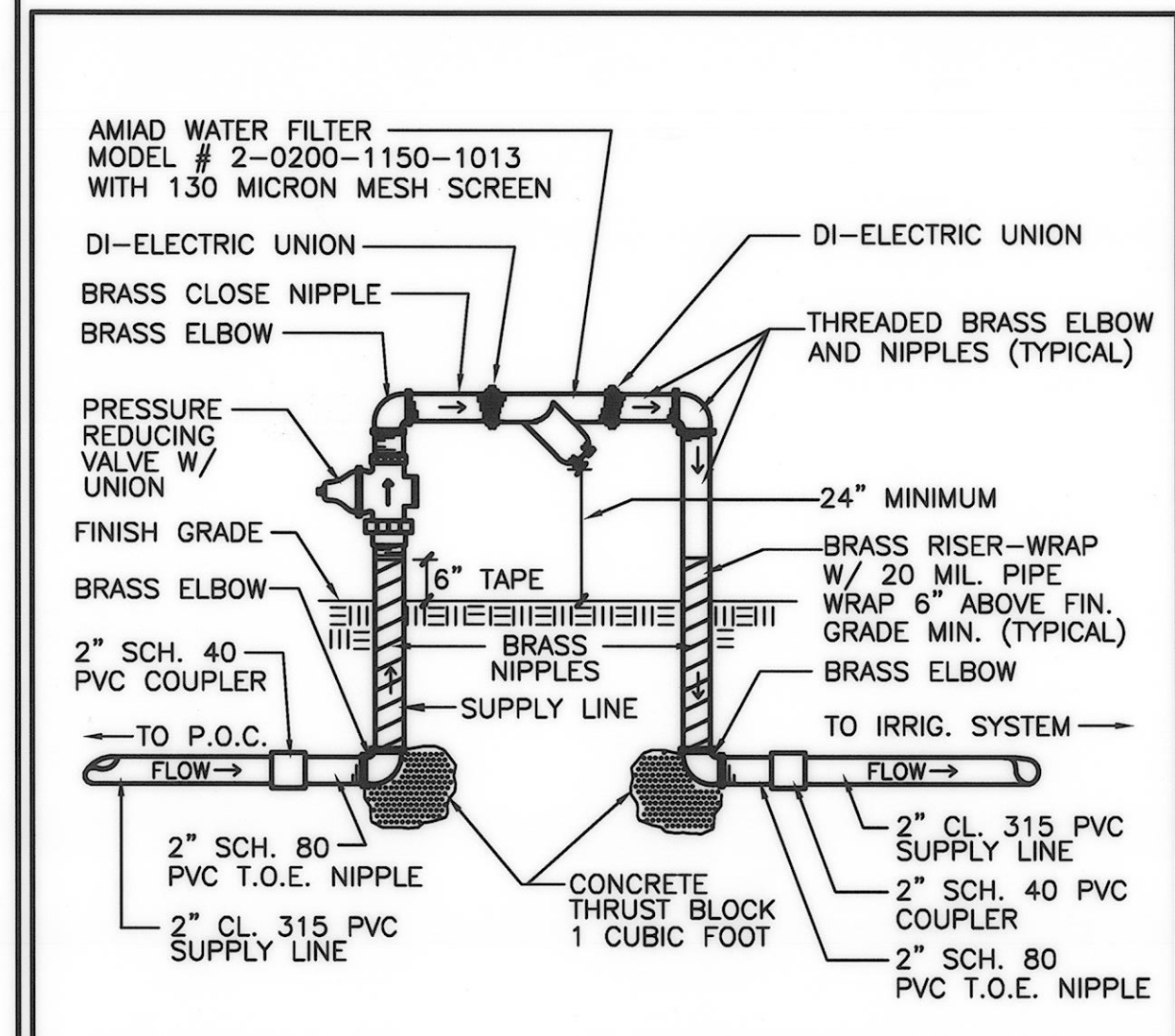
LANDSCAPE PLAN 30/31

RECORD DRAWING
 DATE PROJECT COMPLETED 03-22-2016
 REVISIONS SUBMITTED BY JULIE REGO
 DRAWING REVISION BY A. RAMIREZ
 APPROVED BY [Signature] DATE 05/19/16

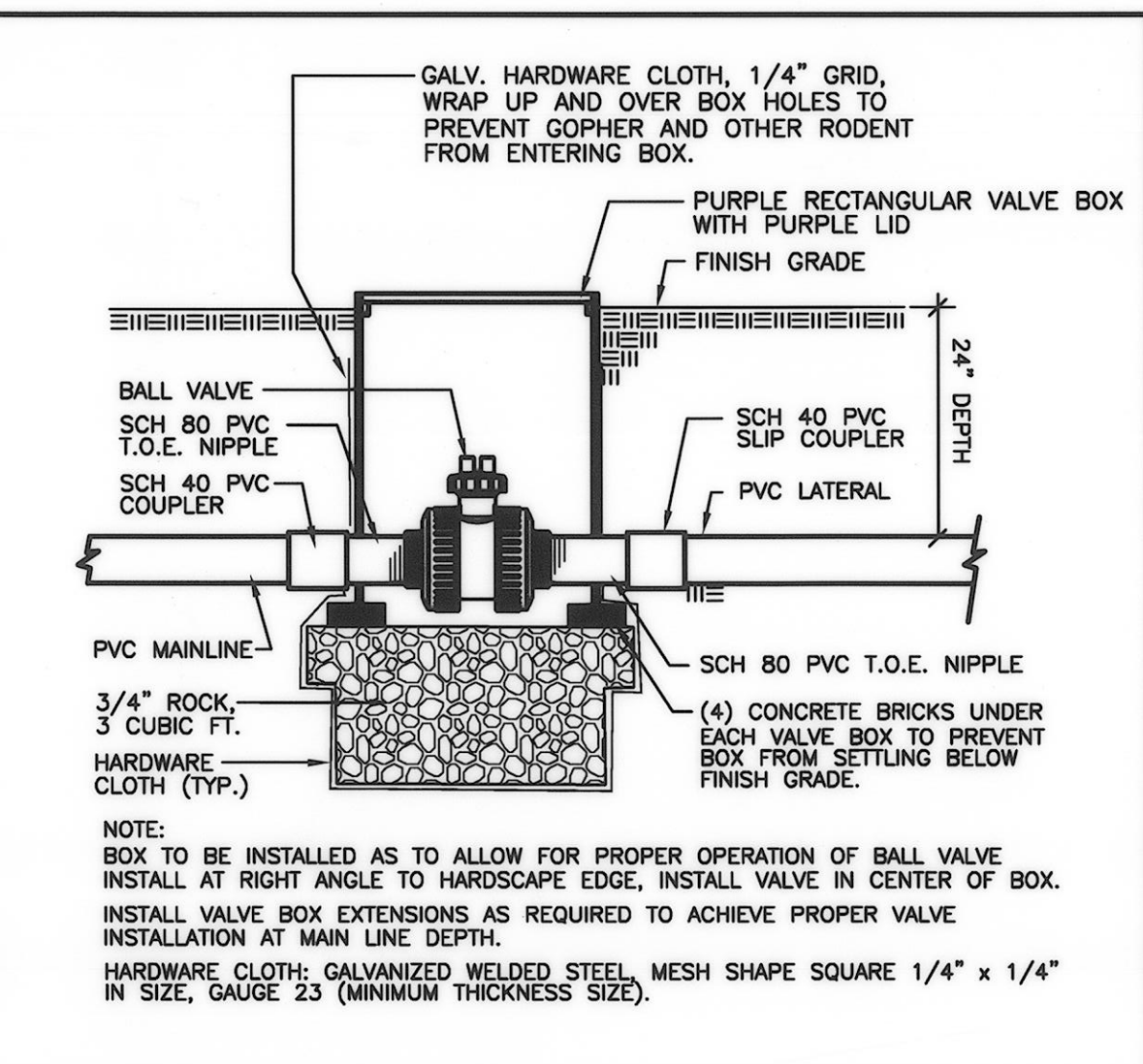


D	PREPARED BY:	JORDAN, GILBERT & BAIN LANDSCAPE ARCHITECTS, INC. 3350 LOMA VISTA ROAD, VENTURA CA 93003 (805) 642-3841 FAX (805) 642-9814	DESIGNED:	MG 3-18-15	COUNTY OF VENTURA PUBLIC WORKS AGENCY WATERSHED PROTECTION DISTRICT	SPEC. NO.	WP15-14	URBAN LID RETROFIT AT MEINERS OAKS LANDSCAPE PLAN	SHEET	7
	C	PROJECT MANAGER:	[Signature]	DATE		3-18-15	PROJ. NO.		40545	OF
B	DRAWN:	MG	DEPUTY DIRECTOR:	[Signature]	DATE	3-27-15			DRAWING NO.	Y-1-836
A	CHECKED:	MG	DISTRICT DIRECTOR:	[Signature]	DATE	3-27-15				
△	REVISION	DESCRIPTION	APP.	DATE						

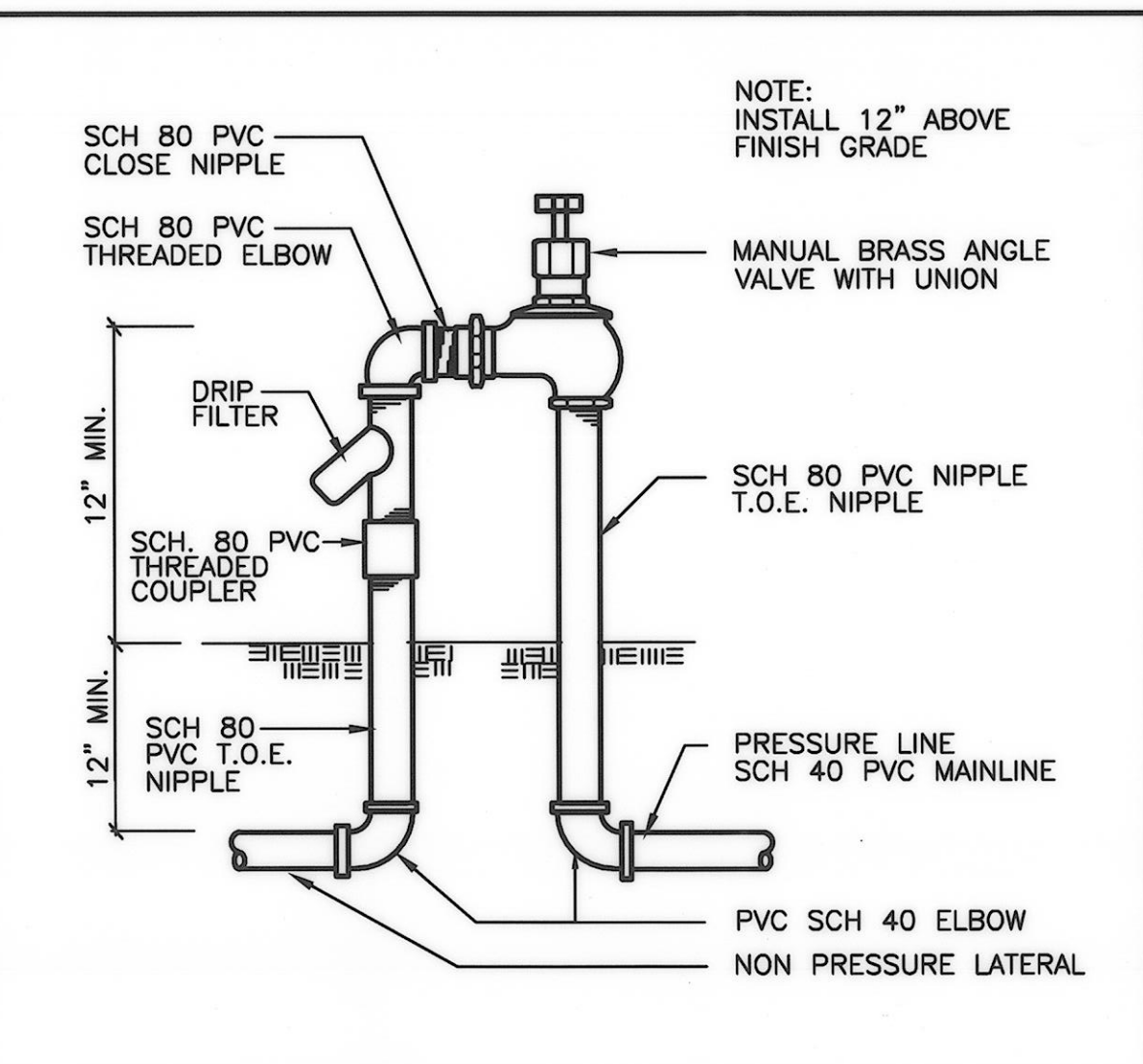
P:\PROJECTS\MP0071401 MEINERS OAKS LANDSCAPE\LANDSCAPE\1.64 SHEET 8 L-DETAILS.DWG
 SAVE DATE: 3/20/15 TOD
 PLOT DATE: 3/23/15



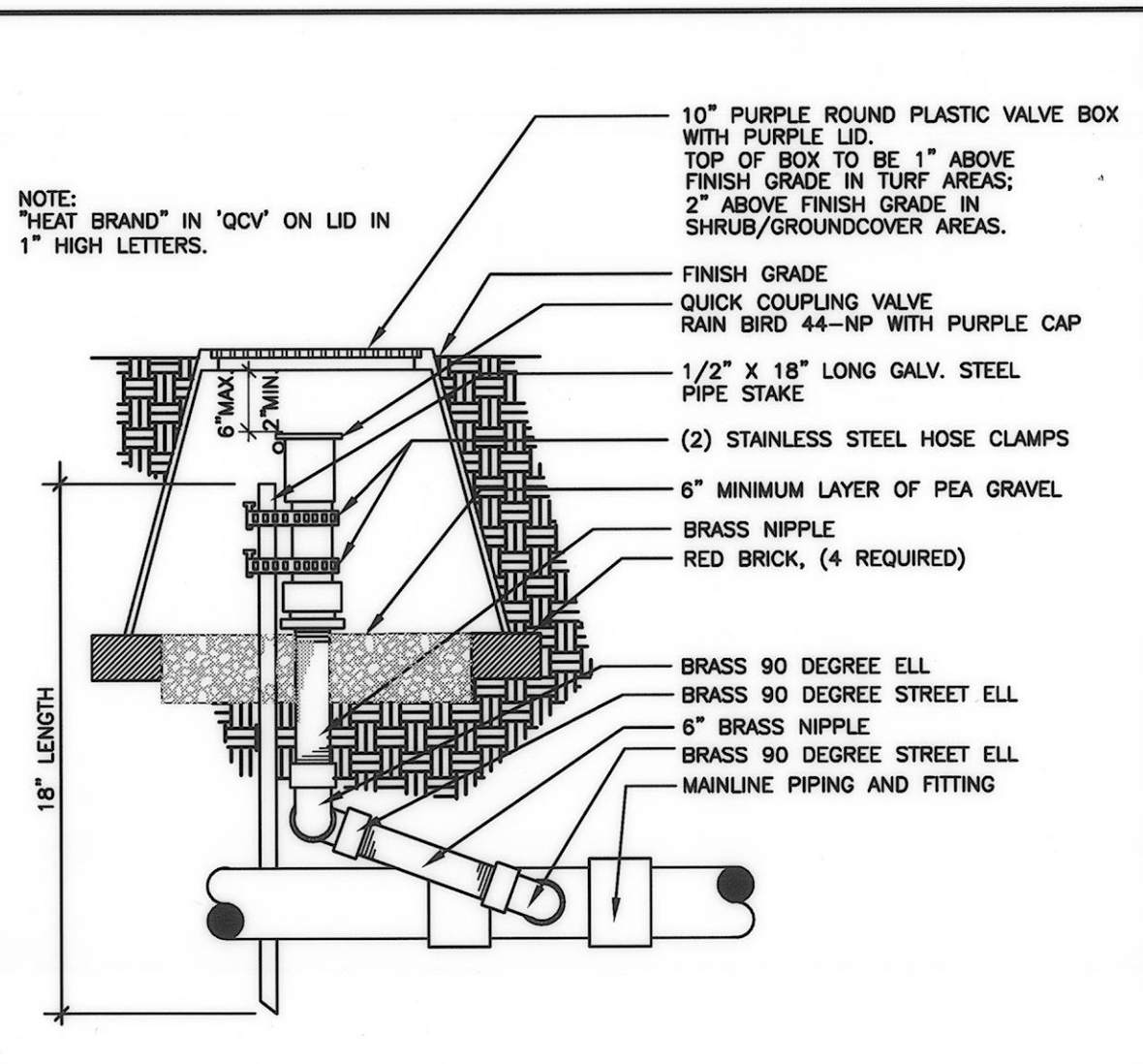
1. MAINLINE WATER FILTER W/ PRESSURE REDUCING VALVE



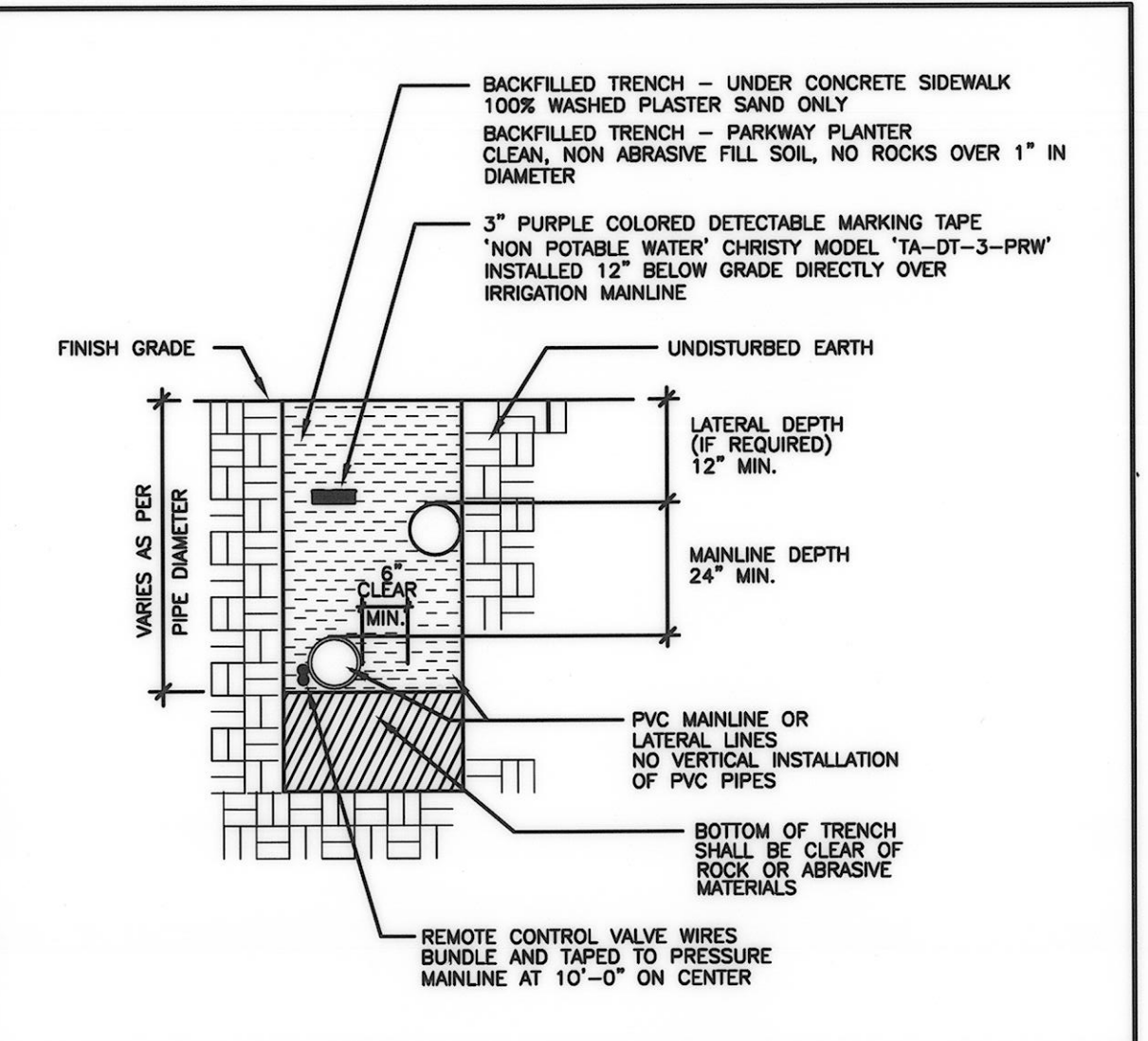
2. SCH. 80 PVC BALL VALVE



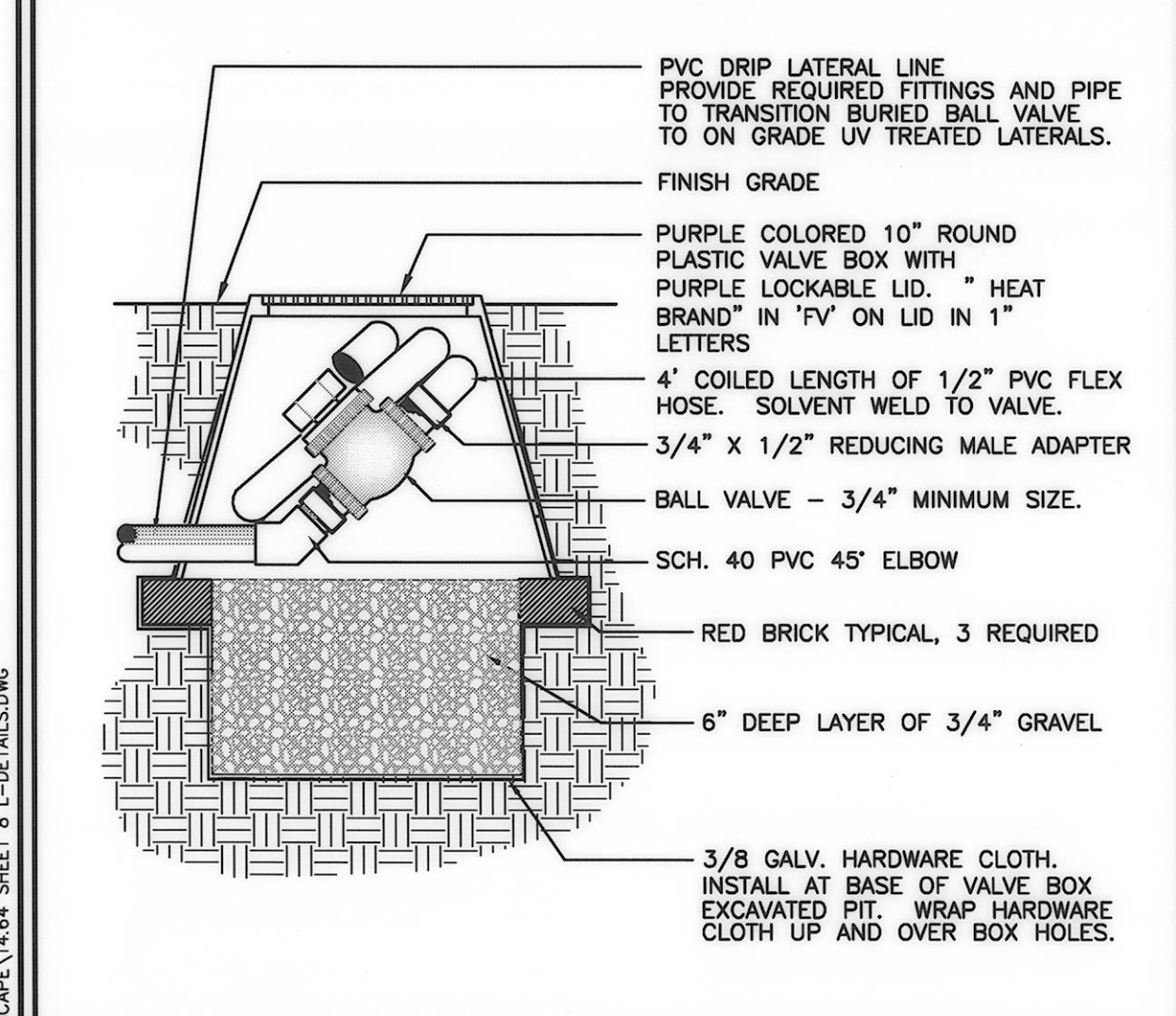
3. MANUAL IRRIGATION VALVE



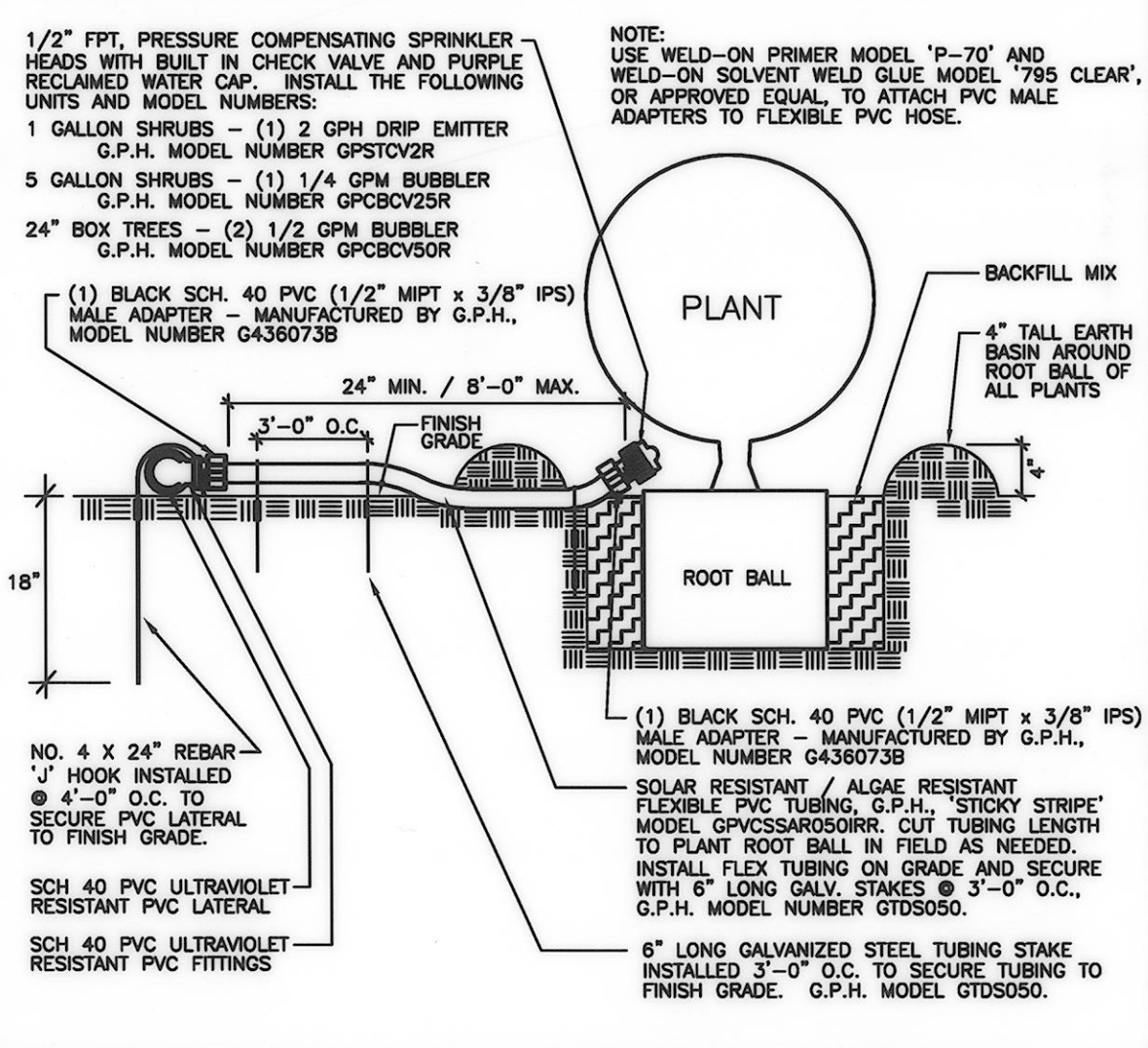
4. QUICK COUPLER IN VALVE BOX



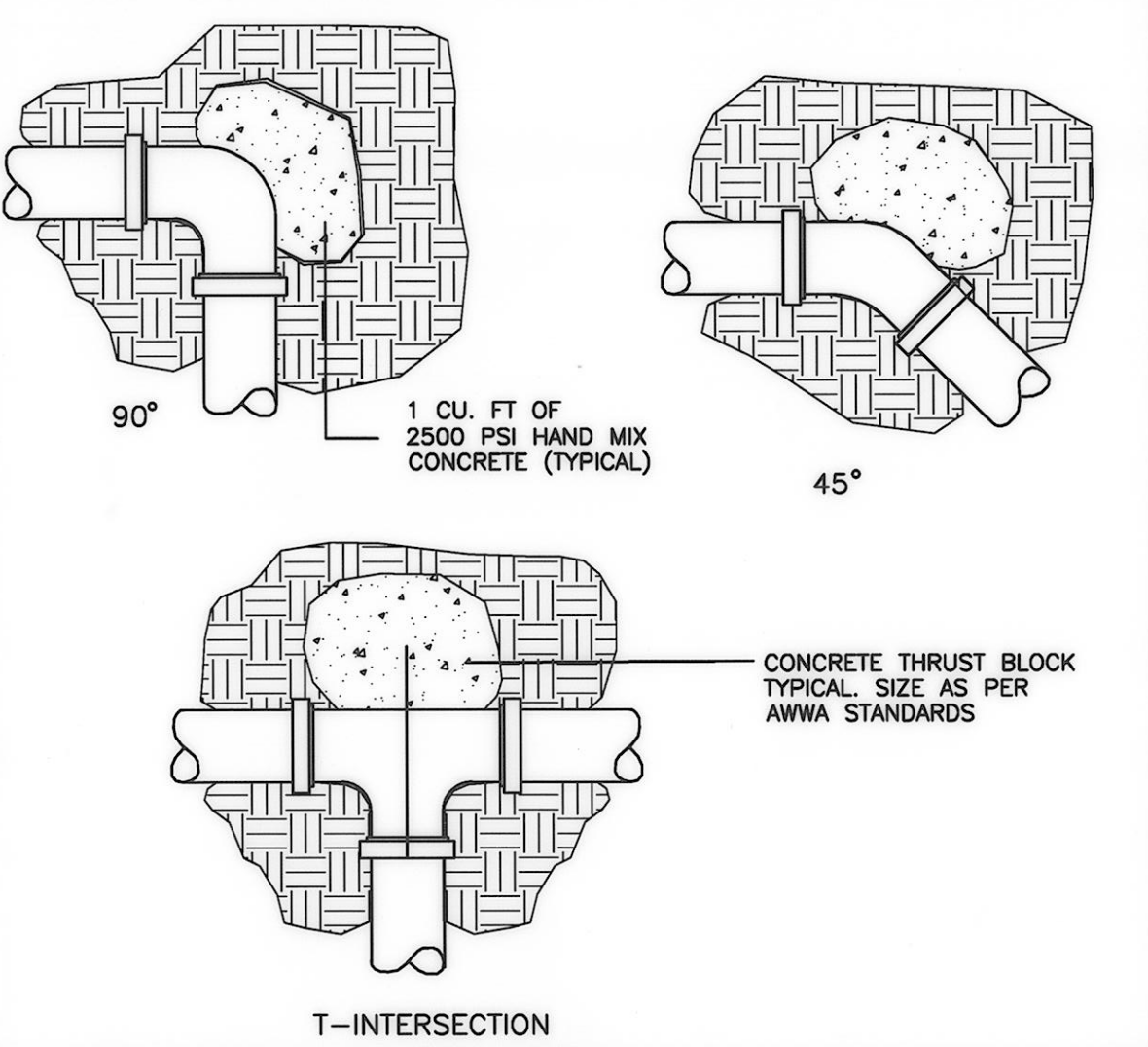
5. IRRIGATION PIPING / TRENCH SECTION



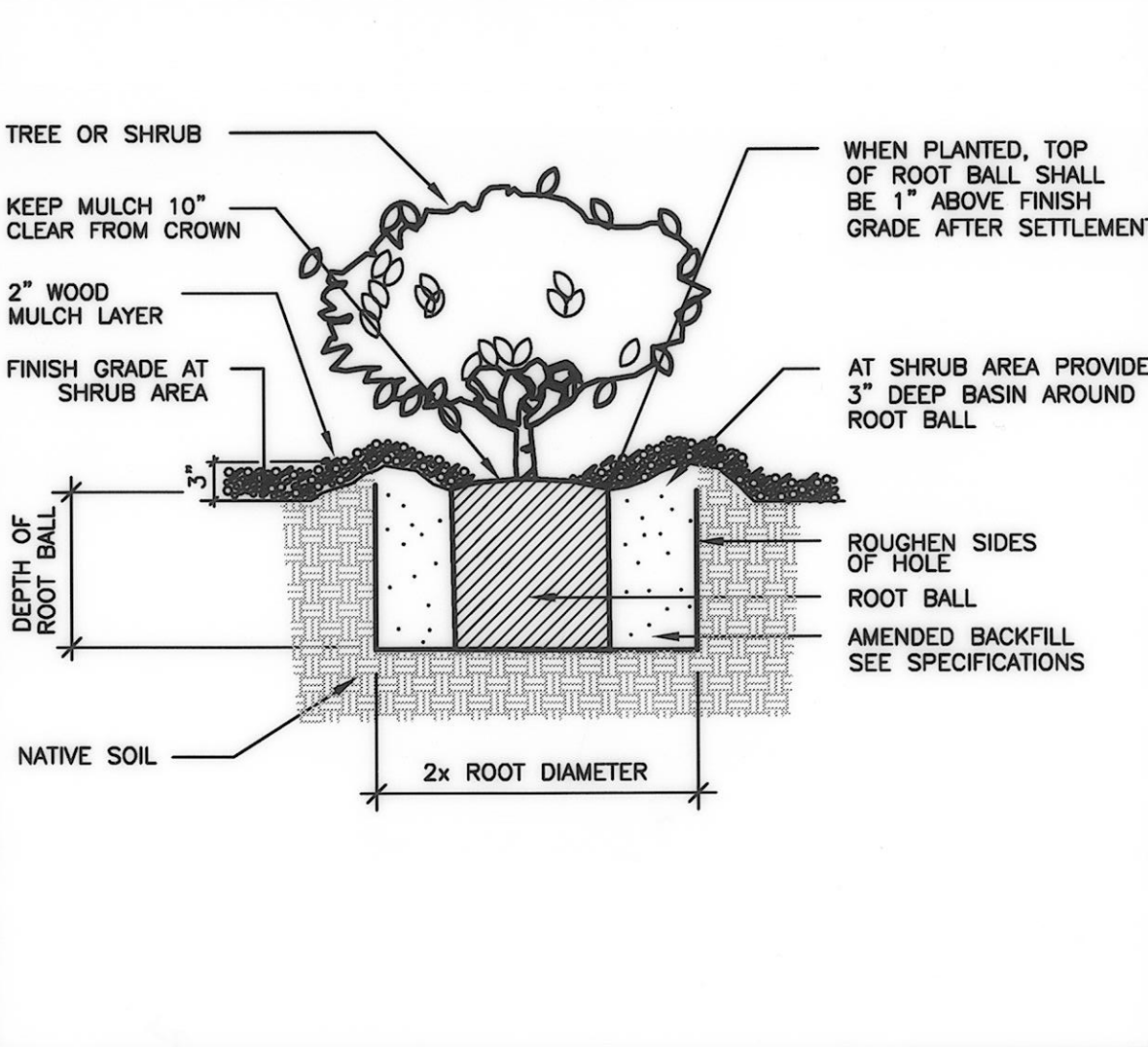
6. DRIP SYSTEM FLUSH VALVE



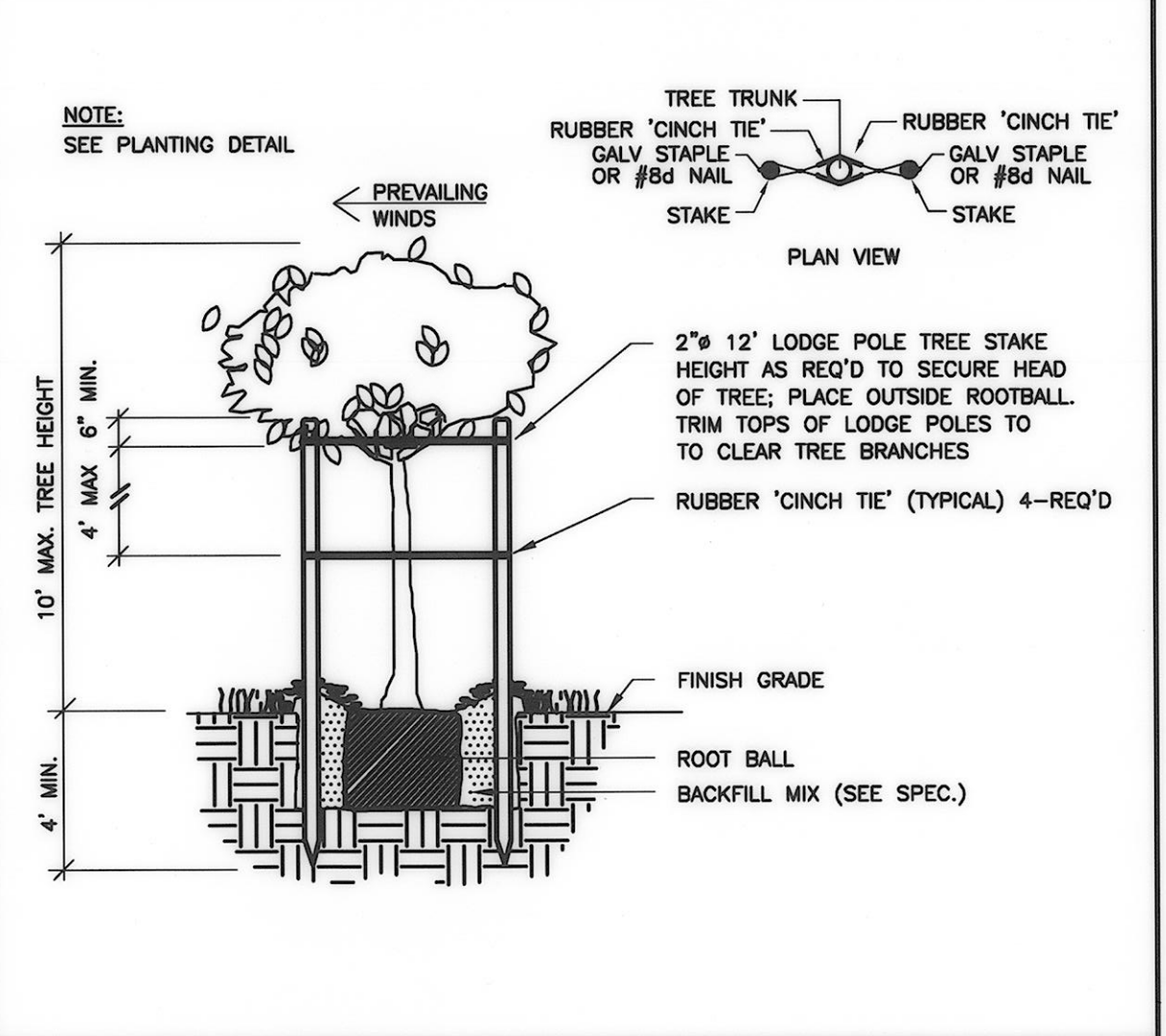
7. DRIP EMITTER / FLOOD BUBBLER ON GRADE



8. CONCRETE THRUST BLOCK



9. SHRUB PLANTING



10. TREE STAKING

11. NOT USED

12. NOT USED

13. NOT USED

14. NOT USED

15. NOT USED

RECORD DRAWING
 DATE PROJECT COMPLETED **03-22-2016**
 REVISIONS SUBMITTED BY **JULIE REGO**
 DRAWING REVISED BY **A. RAMIREZ**
 APPROVED BY *[Signature]* DATE **05/19/2016**



D	PREPARED BY: JORDAN, GILBERT & BAIN	MG	DESIGNED: <i>[Signature]</i> 3-18-15	COUNTY OF VENTURA PUBLIC WORKS AGENCY WATERSHED PROTECTION DISTRICT	SPEC. NO. WP15-14	URBAN LID RETROFIT AT MEINERS OAKS LANDSCAPE DETAILS	SHEET 8
C	LANDSCAPE ARCHITECTS, INC.	TC	DRAWN: <i>[Signature]</i> 3-26-2015		PROJ. NO. 40545		OF 8
B	3350 LOMA VISTA ROAD, VENTURA CA 93003	MG	CHECKED: <i>[Signature]</i> 3/27/2015				DRAWING NO. Y-1-837
A	(805) 642-3641 FAX (805) 642-3614						
△	REVISION DESCRIPTION APP. DATE						