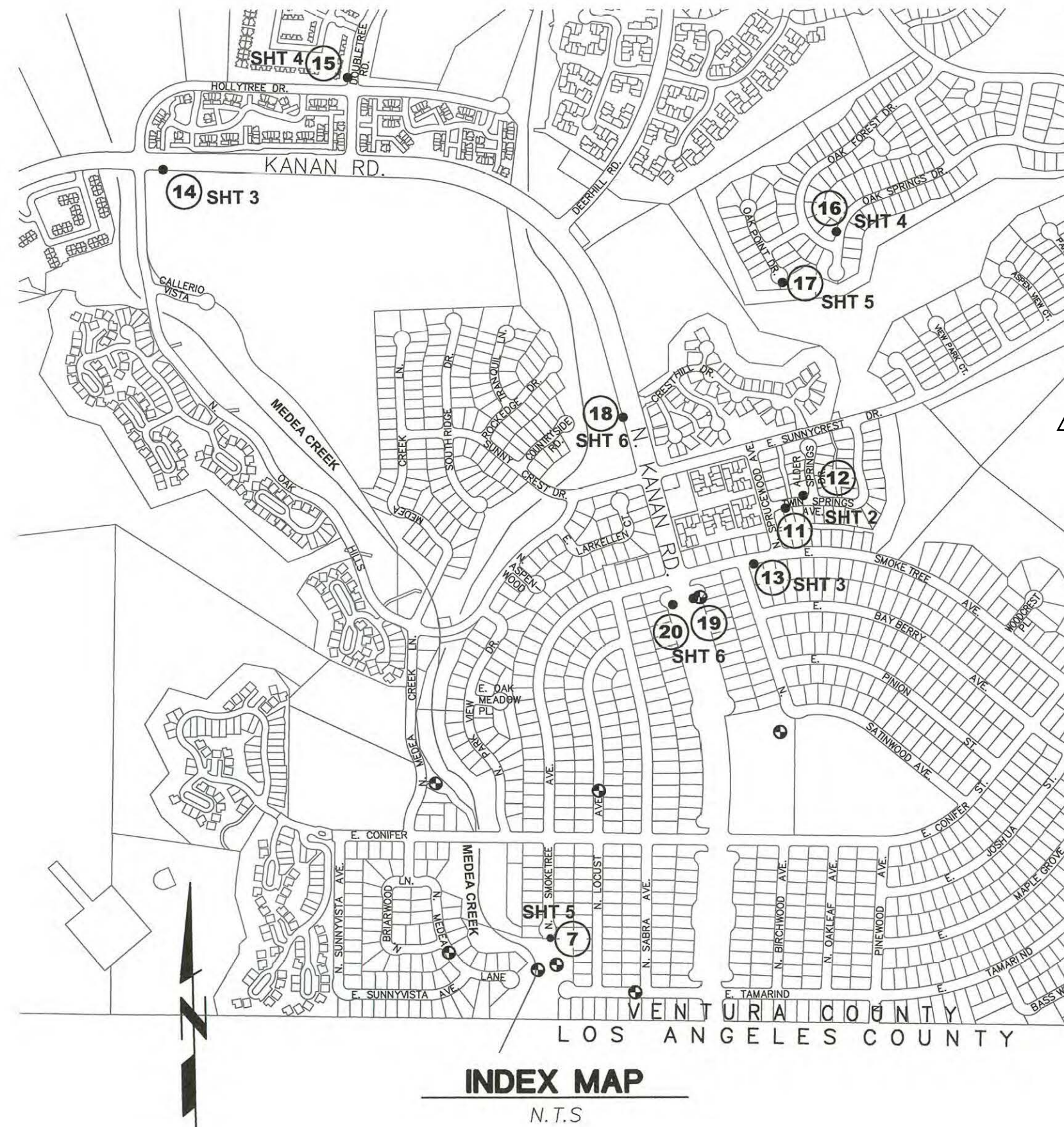
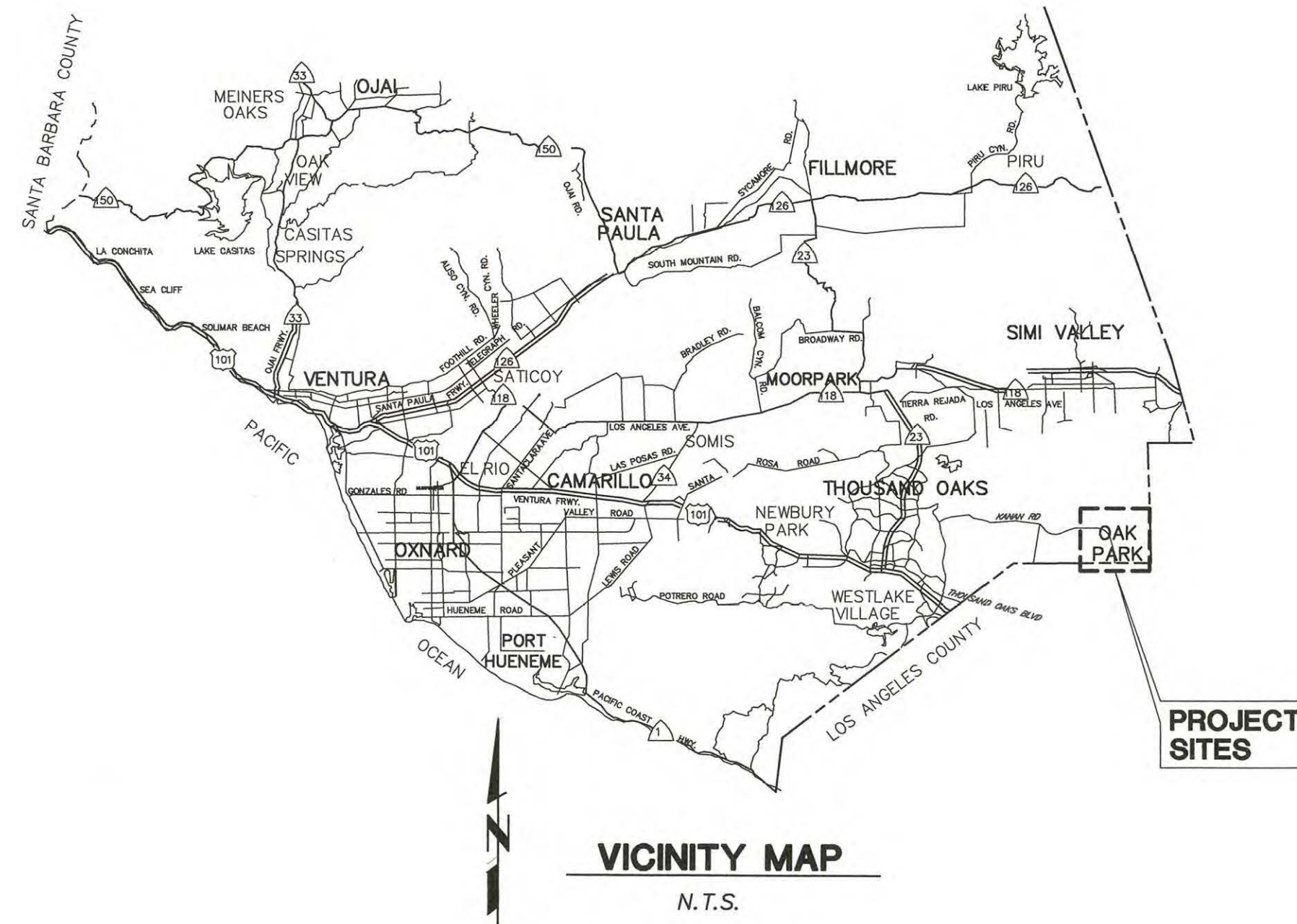


**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
VENTURA COUNTY WATERSHED PROTECTION DISTRICT
ZONE 4
OAK PARK GREEN STREETS URBAN RETROFIT
PHASE 2**



GENERAL NOTES

- THE BASIS OF BEARINGS & COORDINATES FOR THE SURVEY AT SITES 7 & 19-20 ARE CCS83, ZONE 5, EPOCH 2010.0, DEFINED LOCALLY BY TIES TO REAL-TIME NETWORK "CALVRS", USING REAL TIME NETWORK CORRECTIONS TO ESTABLISH CONTROL VALUES.

THE BASIS OF BEARINGS & COORDINATES FOR THE SURVEY AT SITES 11-18 ARE CCS83, ZONE 5, EPOCH 2017.50 AS DETERMINED BY REAL TIME GPS MEASUREMENTS TO CONTINUOUS GLOBAL POSITIONING STATION (CGPS) TOST AS DERIVED FROM GEODETIC VALUES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC).
- ELEVATIONS SHOWN ARE IN US SURVEY FEET. THE VERTICAL DATUM OF THE SURVEY AT SITES 7 & 19-20 IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88) DEFINED LOCALLY BY TIES TO REAL-TIME NETWORK "CALVRS", USING REAL TIME NETWORK CORRECTIONS AND GEOID12A TO ESTABLISH ORTHOMETRIC HEIGHTS.

THE VERTICAL DATUM OF THE SURVEY AT SITES 11-18 IS THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88), PER GPS TIES & GEOID MODELING (GEOID12B) TO CGPS STATION TOST. ELLIPSOID HEIGHTS CONSTRAINED PER CSRC.
- 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.
- TOPOGRAPHY SHOWN ON THESE PLANS WAS TAKEN FROM SURVEYS PERFORMED IN SEPTEMBER 2014 (SITES 7, 19, & 20) AND OCTOBER 2018 (SITES 11-18).
- 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, AND TO THE SATISFACTION OF THE ENGINEER.
- 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.
- SYMBOLS \blacktriangle AND \blacktriangle INDICATE THE LOCATION OF THE HORIZONTAL AND VERTICAL CONTROL POINTS WHICH WILL BE PROVIDED BY THE AGENCY FOR THE CONTRACTOR'S USE. SEE SECTION 1000-5.2.3 OF THE SPECIAL PROVISIONS. SEE SECTION 100-5.2.3 OF THE SPECIAL PROVISIONS FOR SURVEY CONTROL POINT DATA.
- SOIL TEST BORINGS SHOWN FOR THE PROJECT WERE MADE IN MAY 2013 AND JULY 2015. THEIR LOCATIONS ARE MARKED BY THE SYMBOL \bullet . REFER TO THE SPECIFICATIONS FOR ADDITIONAL GEOTECHNICAL INFORMATION. SUBSURFACE SOIL INVESTIGATION RESULTS ARE FURNISHED FOR INFORMATION ONLY IN ACCORDANCE WITH SUBSECTION 2-7 OF THE STANDARD SPECIFICATIONS, AND NO WARRANTY IS MADE THEREFORE.
- CONTRACTOR SHALL NOTIFY UTILITY OWNERS A MINIMUM OF 48 HOURS PRIOR TO STARTING WORK IN AREAS AFFECTING THEIR FACILITIES. CONTRACTOR SHALL ALSO COORDINATE WITH UTILITY OWNERS FOR ALL WORK THAT WILL IMPACT/ALTER THEIR FACILITIES.

PROJECT SITE LOCATIONS

- 7 SMOKE TREE AVE. AT MEDEA CREEK
- 11 TWIN SPRINGS AVE. 100' EAST OF SPRUCEWOOD AVE.
- 12 TWIN SPRINGS AVE. AND ALDER SPRINGS DR.
- 13 SMOKE TREE AVE. AND SATINWOOD AVE.
- 14 KANAN RD. 150' EAST OF OAK HILLS DR.
- 15 DOUBLETREE RD. AND HOLLYTREE DR.
- 16 OAK SPRINGS DR. AND OAK FOREST DR.
- 17 OAK POINT DR. (S'LY CUL-DE-SAC)
- 18 KANAN RD. AND CRESTHILL DR.
- 19 KANAN RD. AND SMOKETREE AVE. (EAST SIDE)
- 20 KANAN RD. AND SMOKETREE AVE. (WEST SIDE)

INDEX TO SHEETS

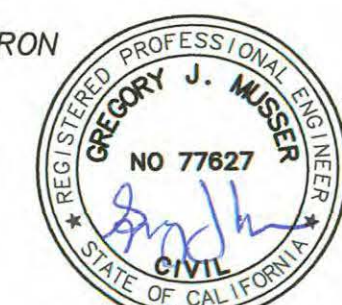
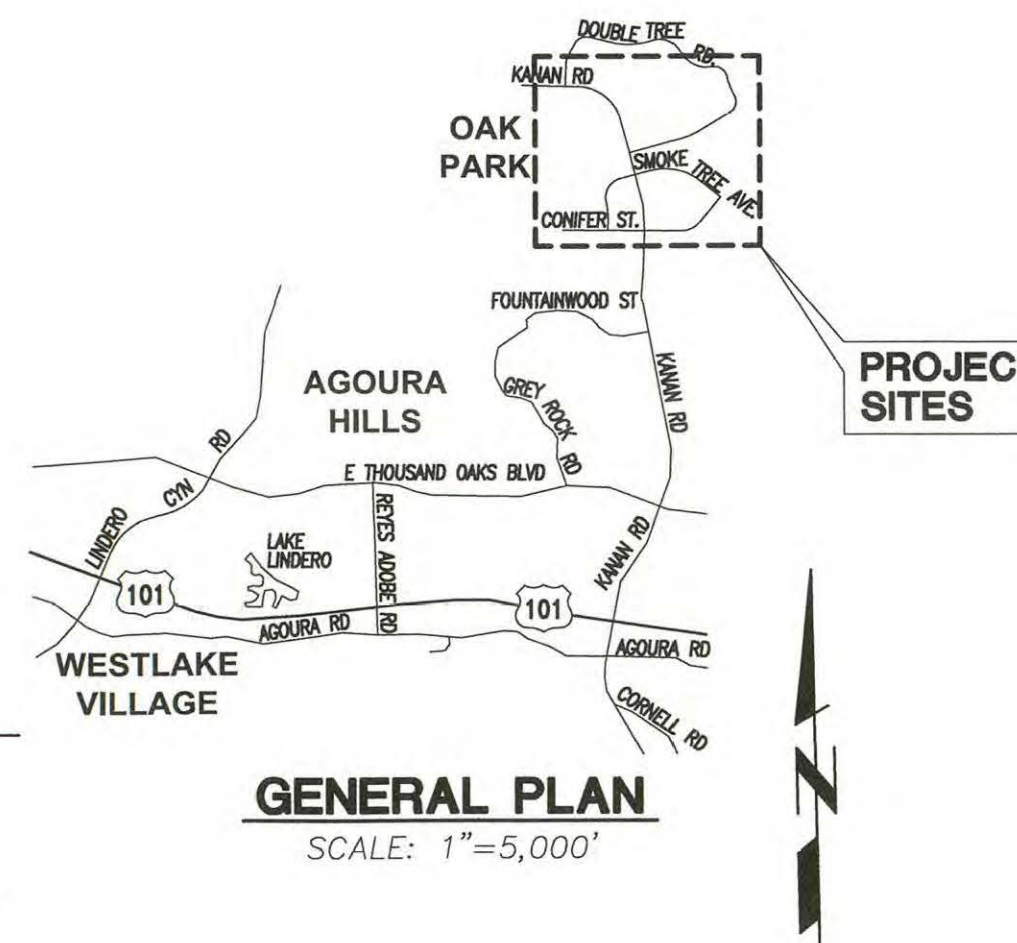
SHEET NO.	TITLE
1.	GENERAL PLAN
2.	PLAN - SITES 11 & 12
3.	PLAN - SITES 13 & 14
4.	PLAN - SITES 15 & 16
5.	PLAN - SITES 7 & 17
6.	PLAN - SITES 18, 19 & 20
7.	MODULAR WETLAND VAULT DETAILS - I
8.	MODULAR WETLAND VAULT DETAILS - II
9.	MODULAR WETLAND VAULT DETAILS - III
9A.	MODULAR WETLAND VAULT DETAILS - IV
10.	IRRIGATION PLAN - SITES 19 & 20
11.	PLANTING PLAN - SITES 19 & 20

EXISTING SYMBOLS

\bullet	BOLLARD
CTV	CABLE TV
X	CHAINLINK FENCE
---	EDGE OF PAVEMENT
---	GATE
E	ELECTRIC
GUY	GUY WIRE
G	NATURAL GAS
OHW	OVERHEAD WIRE
PP	POWER POLE
---	PROPERTY LINE
S	SANITARY SEWER
SD	SIGN
SD	STORM DRAIN
* OR \square	STREET LIGHT
T	TELEPHONE
\odot	VALVE
\oplus	VEGETATION
W	WALL
---	WATER

LEGEND

---	VCTD R.O.W.
---	SAWCUT
SD	SOLID WALL PVC DRAIN PIPE
\square	PORTLAND CEMENT CONCRETE
\square	ASPHALT CONCRETE



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

RECORD DRAWING

DATE PROJECT COMPLETED	02/03/2021
REVISIONS SUBMITTED BY	Greg Musser, PE
DRAWING REVISED BY	Greg Musser, PE
APPROVED BY	DATE 2/09/2021

**INDEX OF STANDARD PLANS
USED BY REFERENCE**

SPPWC STANDARD PLANS (LATEST EDITION)

112-2	CURB AND SIDEWALK JOINTS
113-2	SIDEWALK & DRIVEWAY REPLACEMENT
120-2	CURB AND GUTTER - BARRIER
133-3	ASPHALT CONCRETE PAVEMENT REPLACEMENT
151-2	PARKWAY DRAIN
313-3	LOCAL DEPRESSIONS AT CATCH BASINS
335-2	PIPE CONNECTIONS TO EXISTING STORM DRAINS

COUNTY OF VENTURA ROAD STANDARDS

A-4 (SHT 5)	DRAINAGE
E-11	PAVEMENT REPAIRS FOR TRENCHING

SAVE DATE: 10/31/19 9:25 AM
N: \projects\0011\engineering\ocad\improvements\PH2\0011.02_TITLE_PH2.dwg

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B	SHEET 9A ADDED		
A	SITE 14 DELETED		

ECG
Encompass Consultant Group

333 N. LANTANA ST
SUITE 287
CAMARILLO, CA 93010
PHONE: 805.322.4443
WWW.ECGCIVIL.COM

GREGORY J. MUSSER
PROJECT ENGINEER
DATE: 10/31/2019
R.C.E. 77,827

STEPHEN E. COOPER
DISTRICT DIRECTOR
DATE: 11/1/19

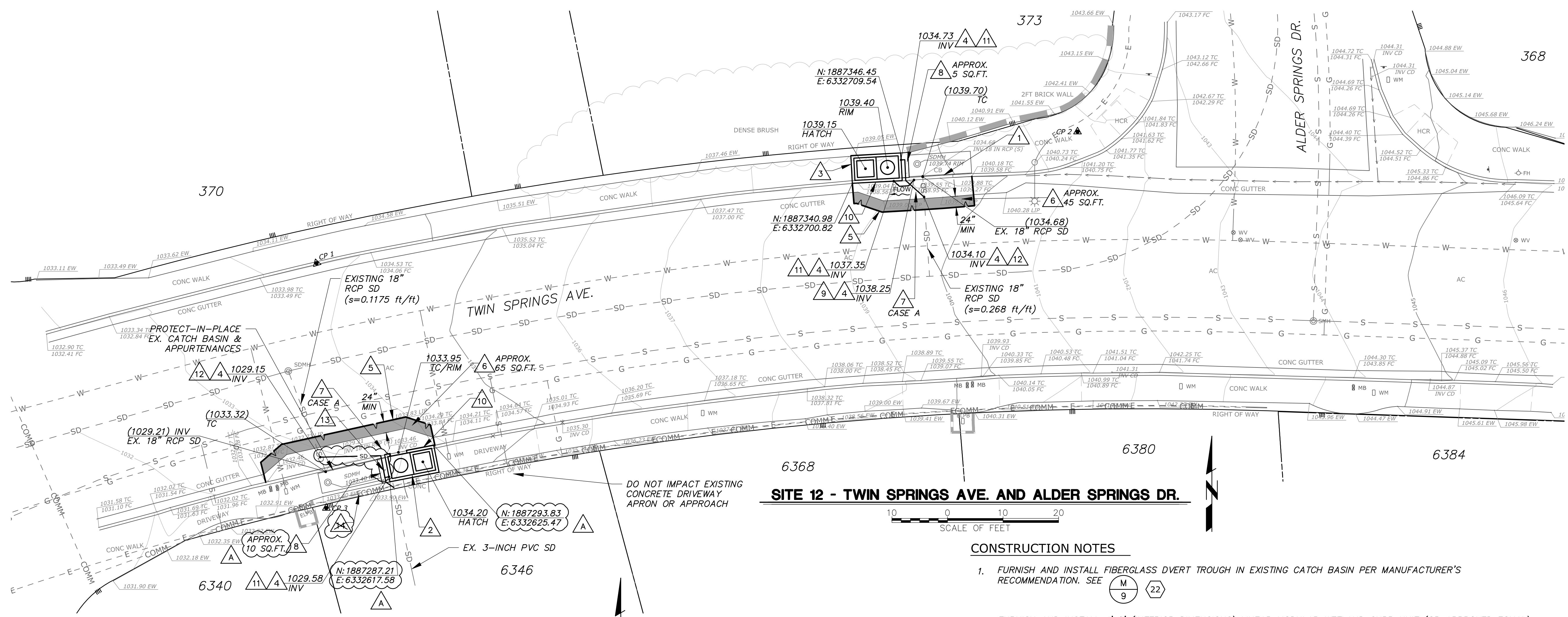
STEPHEN E. COOPER
AGENCY DIRECTOR
DATE: 11/4/2019

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

SPEC. NO.	WP19-11
PROJ. NO.	40540

**OAK PARK GREEN STREETS URBAN RETROFIT
PHASE 2
GENERAL PLAN**

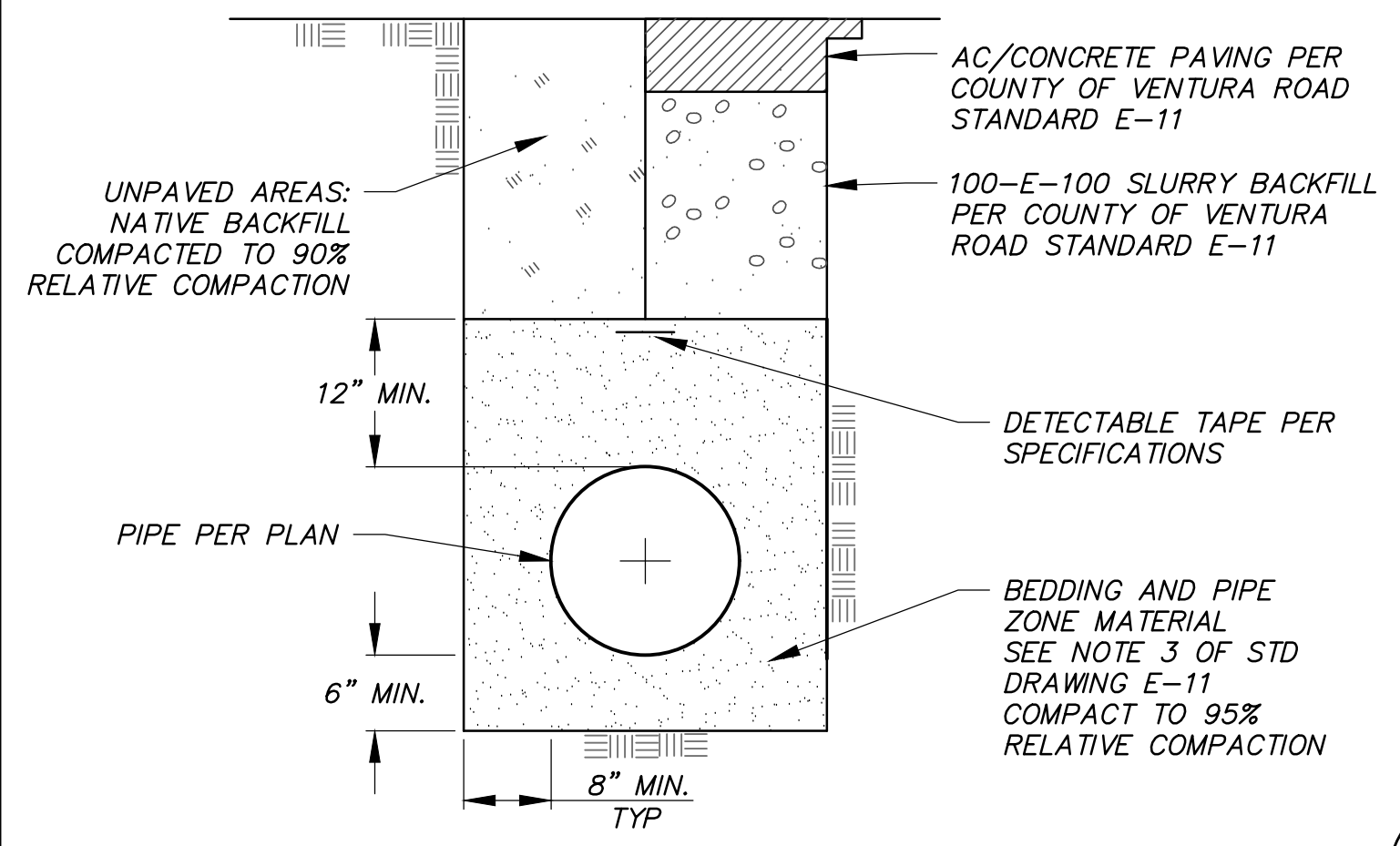
SHEET	1
OF	11
DRAWING SET NO.	WPD-4-014



SITE 11 - TWIN SPRINGS AVE. (E. OF SPRUCEWOOD AVE)

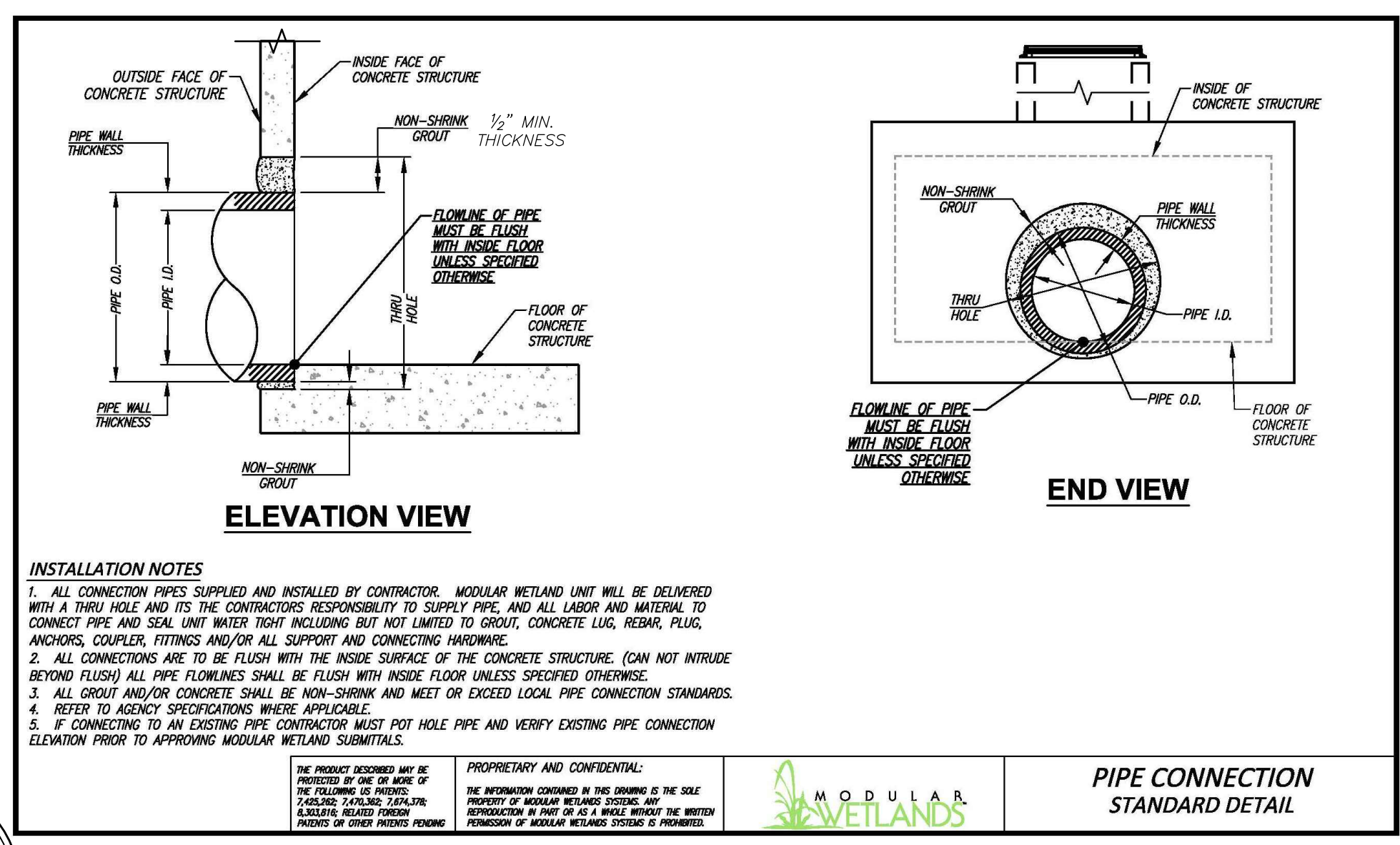
RECORD DRAWING

DATE PROJECT COMPLETED 02/03/2021
 REVISIONS SUBMITTED BY Greg Musser, PE
 DRAWING REVISED BY Greg Musser, PE
 APPROVED BY *Gregory J. Musser* DATE 2/09/2021



PAVEMENT REPAIRS FOR TRENCHING DETAIL

SCALE: N.T.S.



MODULAR WETLANDS PIPE CONNECTION DETAIL

INSTALLATION NOTES
 1. ALL CONNECTION PIPES SUPPLIED AND INSTALLED BY CONTRACTOR. MODULAR WETLANDS UNIT WILL BE DELIVERED WITH A THRU HOLE AND ITS THE CONTRACTOR'S RESPONSIBILITY TO SUPPLY PIPE AND ALL LABOR AND MATERIAL TO CONNECT PIPE AND SEAL UNIT WATER TIGHT INCLUDING BUT NOT LIMITED TO GROUT, CONCRETE LUG, REBAR, PLUG, ANCHORS, COUPLER, FITTINGS AND/OR ALL SUPPORT AND CONNECTING HARDWARE.
 2. ALL CONNECTIONS ARE TO BE FLUSH WITH THE INSIDE SURFACE OF THE CONCRETE STRUCTURE. (CAN NOT INTRUDE BEYOND FLUSH) ALL PIPE FLOWLINES SHALL BE FLUSH WITH INSIDE FLOOR UNLESS SPECIFIED OTHERWISE.
 3. ALL GROUT AND/OR CONCRETE SHALL BE NON-SHRINK AND MEET OR EXCEED LOCAL PIPE CONNECTION STANDARDS.
 4. REFER TO AGENCY SPECIFICATIONS WHERE APPLICABLE.
 5. IF CONNECTING TO AN EXISTING PIPE CONTRACTOR MUST POT HOLE PIPE AND VERIFY EXISTING PIPE CONNECTION ELEVATION PRIOR TO APPROVING MODULAR WETLANDS SUBMITTALS.

CONSTRUCTION NOTES

- FURNISH AND INSTALL FIBERGLASS DVERT TROUGH IN EXISTING CATCH BASIN PER MANUFACTURER'S RECOMMENDATION. SEE (M 9) (22)
- FURNISH AND INSTALL 4'x8' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND CURB UNIT (OR APPROVED EQUAL) WITH PEDESTRIAN RATED CONCRETE TOP PER MANUFACTURER'S RECOMMENDATION. SEE (C 7) (9) (16) (23)
- FURNISH AND INSTALL 4'x8' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND VAULT UNIT (OR APPROVED EQUAL) WITH PEDESTRIAN RATED CONCRETE TOP PER MANUFACTURER'S RECOMMENDATION. SIDE OF VAULT SHALL SERVE AS NEW FACE OF CURB. SEAL JOINT AT GUTTER WITH WATERSTOP. SEE (D 7) (9) (15) (23)
- CONSTRUCT 8" DIAMETER SDR 35 PVC STORM DRAIN AT MINIMUM 1% SLOPE. FURNISH AND INSTALL APPROPRIATE BENDS/FITTINGS AS NEEDED TO CONSTRUCT PER PLAN. SEE (A 2) (7)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT TO LIMITS SHOWN. (4)
- CONSTRUCT ASPHALT CONCRETE PAVEMENT PER SPPWC STANDARD PLAN 133-2, CASE II. (10)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF EXISTING CONCRETE LOCAL DEPRESSION AND MONOLITHIC CURB TO NEAREST JOINT. RECONSTRUCT LOCAL DEPRESSION WITH MONOLITHIC CURB TO MATCH EXISTING CONFIGURATION PER SPPWC STANDARD PLAN 120-2 (A2-6) AND 313-3 (CASE PER PLAN). (4) (9)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE SIDEWALK TO NEAREST JOINT. RECONSTRUCT SIDEWALK AS NECESSARY PER SPPWC STANDARD PLAN 113-2. (4) (12)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EXISTING CONCRETE CATCH BASIN PER SPPWC STANDARD PLAN 335-2, CASE 1. (8)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE CURB & GUTTER TO NEAREST JOINT. (4)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO MODULAR WETLANDS DEVICE. SEE (B 2) (15) THRU (21)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EX. STORM DRAIN PER SPPWC STANDARD PLAN 335-2, CASE 1, AS MODIFIED WITH 4,000 PSI GROUT. (8)
- RECONSTRUCT 3" DIAMETER RESIDENTIAL CURB DRAIN THROUGH CURB PER COUNTY OF VENTURA ROAD STANDARD PLATE A-4, SHEET 5. CENTER PIPE BETWEEN EXISTING CATCH BASIN AND NEW MODULAR WETLANDS UNIT. FURNISH AND INSTALL APPROPRIATE BENDS/FITTINGS AS NEEDED TO CONSTRUCT PER PLAN. (24)
- RELOCATE EXISTING UTILITY AS REQUIRED. (A)

4/13/2020 8:50 AM

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C	PROJECT ENGINEER			
B	DESIGNED			
A	REVISION	DESCRIPTION	APP.	DATE
1		REVISE STORM DRAIN CONNECTION AND SHIFT UNIT AT SITE 11		



GREGORY J. MUSSER
 PROJECT ENGINEER
 DATE: 77.627
 R.C.E.
 0011.02 04/07/2020
 ECG W.O. PLAN DATE

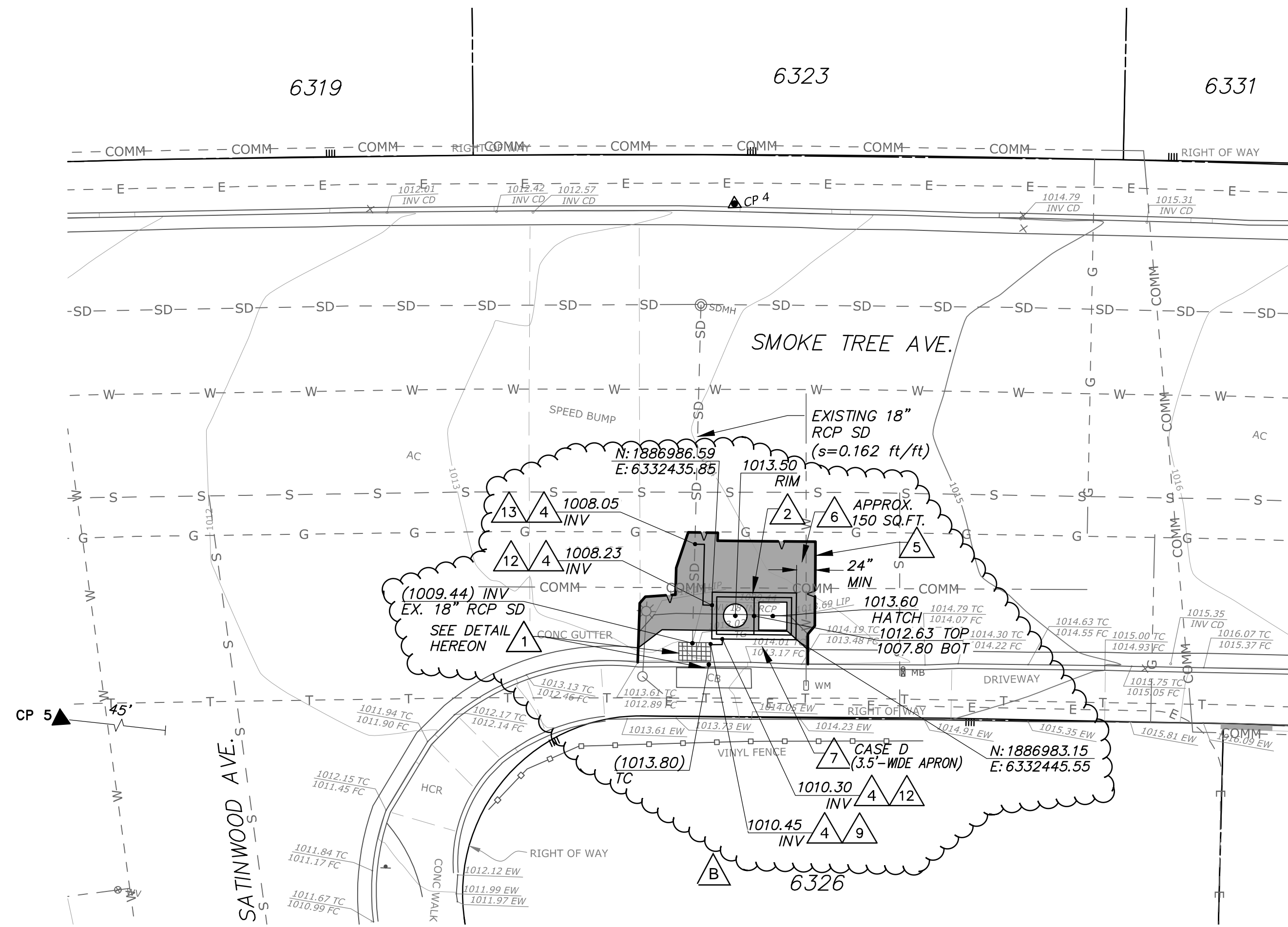
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GJM	DRAWN	DISTRICT DEPUTY DIRECTOR	DATE
JDJ	CHECKED	DISTRICT DIRECTOR	DATE

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

SPEC. NO.
 WP19-11
 PROJ. NO.
 40540

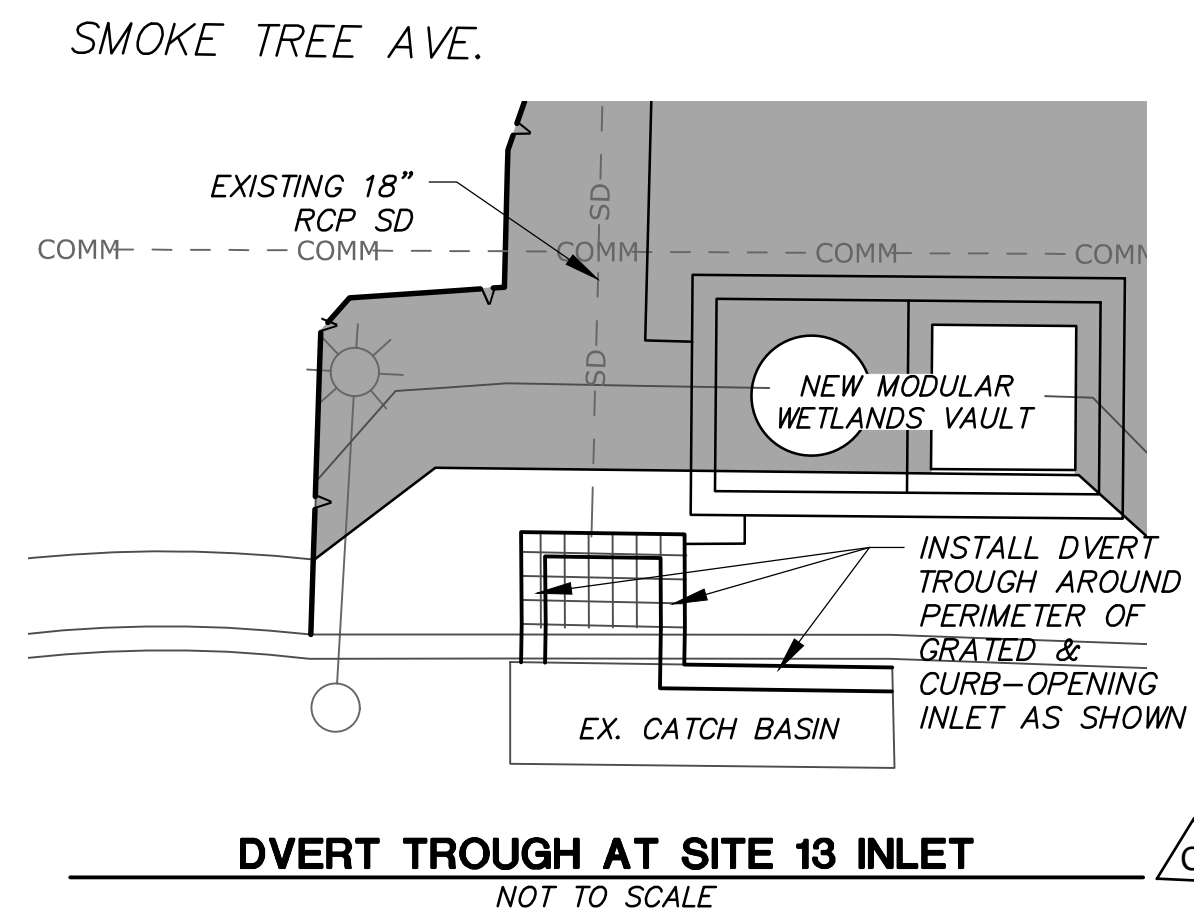
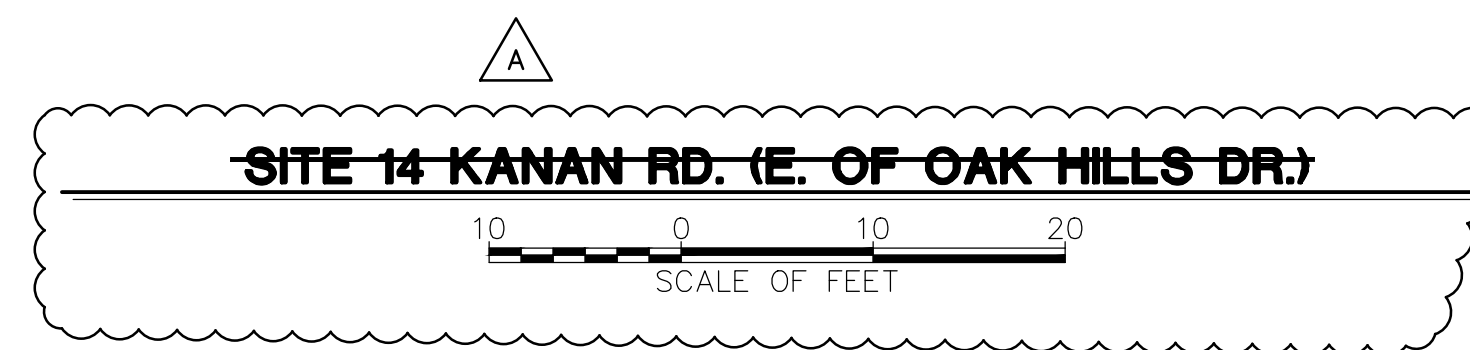
**OAK PARK GREEN STREETS URBAN RETROFIT
 PHASE 2
 PLAN - SITES 11 & 12**

SHEET 2 OF 11
 DRAWING SET NO. WPD-4-014



SITE 13 REVISION
09/29/2020

SITE 13 - SMOKE TREE AVE. AND SATINWOOD AVE.



DVERT TROUGH AT SITE 13 INLET
NOT TO SCALE

CONSTRUCTION NOTES

- FURNISH AND INSTALL FIBERGLASS DVERT TROUGH IN EXISTING CATCH BASIN PER MANUFACTURER'S RECOMMENDATION. SEE (M/9) (22)
- FURNISH AND INSTALL 4'X8' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND VAULT UNIT (OR APPROVED EQUAL) WITH VEHICLE TRAFFIC TRAFFIC RATED CONCRETE TOP PER MANUFACTURER'S RECOMMENDATION. SEE (E/7) (0/9) (15) (23)
- FURNISH AND INSTALL 4'X21' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND VAULT UNIT (OR APPROVED EQUAL) WITH PEDESTRIAN TRAFFIC RATED CONCRETE TOP PER MANUFACTURER'S RECOMMENDATION. SEE (F/7) (0/9) (19) (23)
- CONSTRUCT 8" DIAMETER SDR 35 PVC STORM DRAIN AT MINIMUM 1% SLOPE. FURNISH AND INSTALL APPROPRIATE BENDS/FITTINGS AS NEEDED TO CONSTRUCT PER PLAN. SEE (A/2) (7)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT TO LIMITS SHOWN. (6)
- CONSTRUCT ASPHALT CONCRETE PAVEMENT PER SPPWC STANDARD PLAN 133-2, CASE II. (10)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF EXISTING CONCRETE LOCAL DEPRESSION AND MONOLITHIC CURB TO NEAREST JOINT. RECONSTRUCT LOCAL DEPRESSION WITH MONOLITHIC CURB TO MATCH EXISTING CONFIGURATION PER SPPWC STANDARD PLAN 120-2 (A2-6) AND 313-3 (CASE PER PLAN). (4) (9)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE SIDEWALK TO NEAREST JOINT. RECONSTRUCT SIDEWALK AS NECESSARY PER SPPWC STANDARD PLAN 113-2. (A)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EXISTING CONCRETE CATCH BASIN PER SPPWC STANDARD PLAN 335-2, CASE 1. (8)
- RELOCATE EXISTING UTILITY AS REQUIRED TO MAINTAIN MINIMUM 6" INCHES CLEAR FROM NEW MODULAR WETLAND STRUCTURE. COORDINATE ALL WORK IN ADVANCE WITH UTILITY OWNER(S). (X)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE CURB & GUTTER TO NEAREST JOINT. RECONSTRUCT CURB & GUTTER AS NECESSARY PER SPPWC STANDARD PLAN 120-2, CASE A2-6(150). CUTTER SLOPE AND WIDTH, W, SHALL MATCH EXISTING. (X)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO MODULAR WETLANDS DEVICE. SEE (B/2) (15) THRU (21)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EX. STORM DRAIN PER SPPWC STANDARD PLAN 335-2, CASE 1, AS MODIFIED WITH 4,000 PSI GROUT. (8)



RECORD DRAWING

DATE PROJECT COMPLETED 02/03/2021
 REVISIONS SUBMITTED BY Greg Musser, PE
 DRAWING REVISED BY Greg Musser, PE
 APPROVED BY *Gregory J. Musser* DATE 2/09/2021

SAVE DATE: 12/11/20 GREGM N:\projects\0011\engineering\acad\improvements\PH2\0011.02_MODNET.dwg

D	RELOCATED WETLANDS VAULT AS SHOWN		
C	SITE 13 REVISIONS		
B	REMOVE SITE 14 FROM CONTRACT		
A			
Δ	REVISION DESCRIPTION	APP.	DATE



GREGORY J. MUSSER
 PROJECT ENGINEER
 DATE: 04/07/2020
 R.C.E.: 77,627
 ECG W.O. PLAN DATE

GJM	DESIGNED	DISTRICT PROJECT MANAGER	DATE
GJM	DRAWN	DISTRICT DEPUTY DIRECTOR	DATE
JDJ	CHECKED	DISTRICT DIRECTOR	DATE

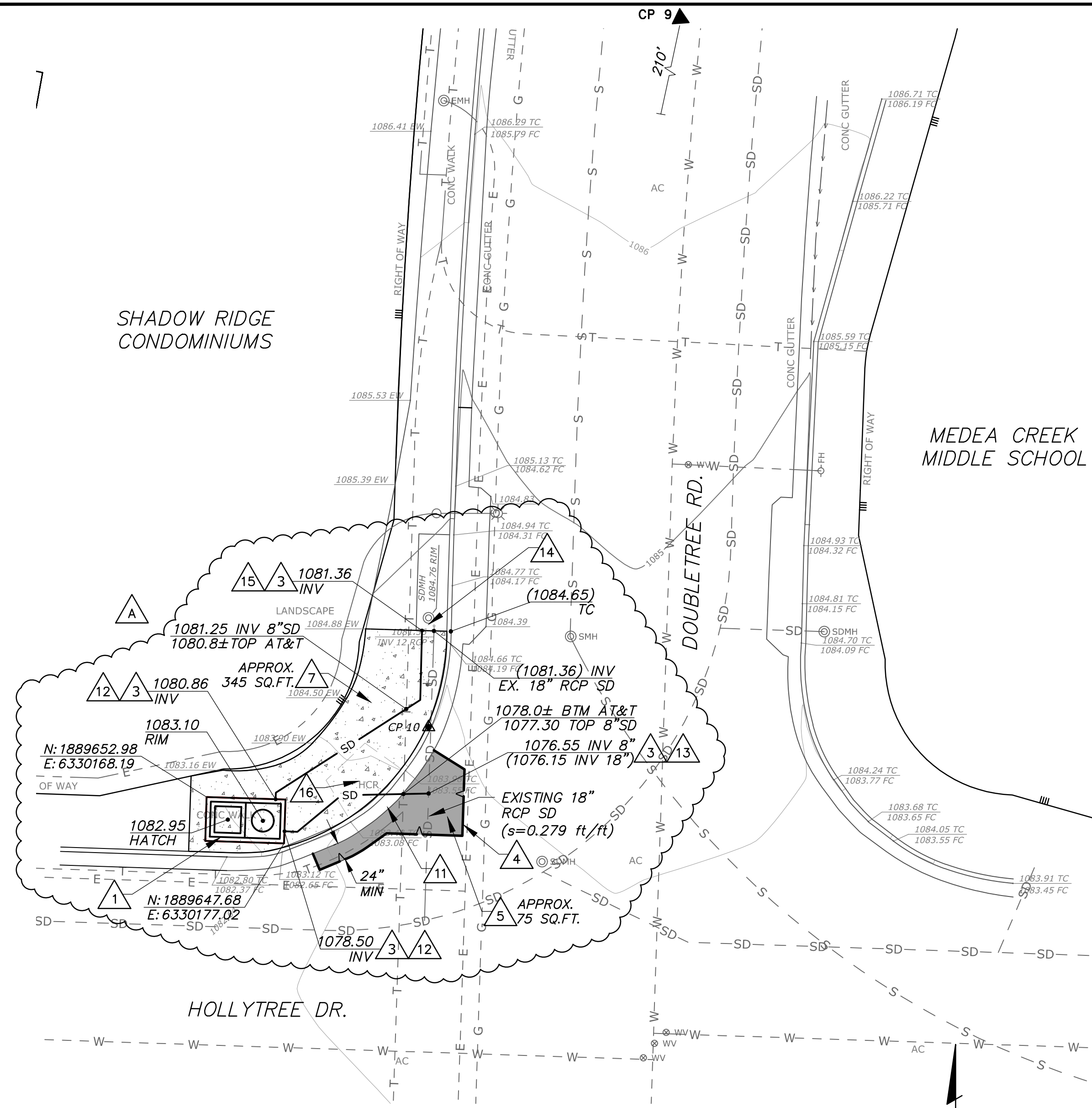
**COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION DISTRICT**

SPEC. NO. WP19-11
 PROJ. NO. 40540

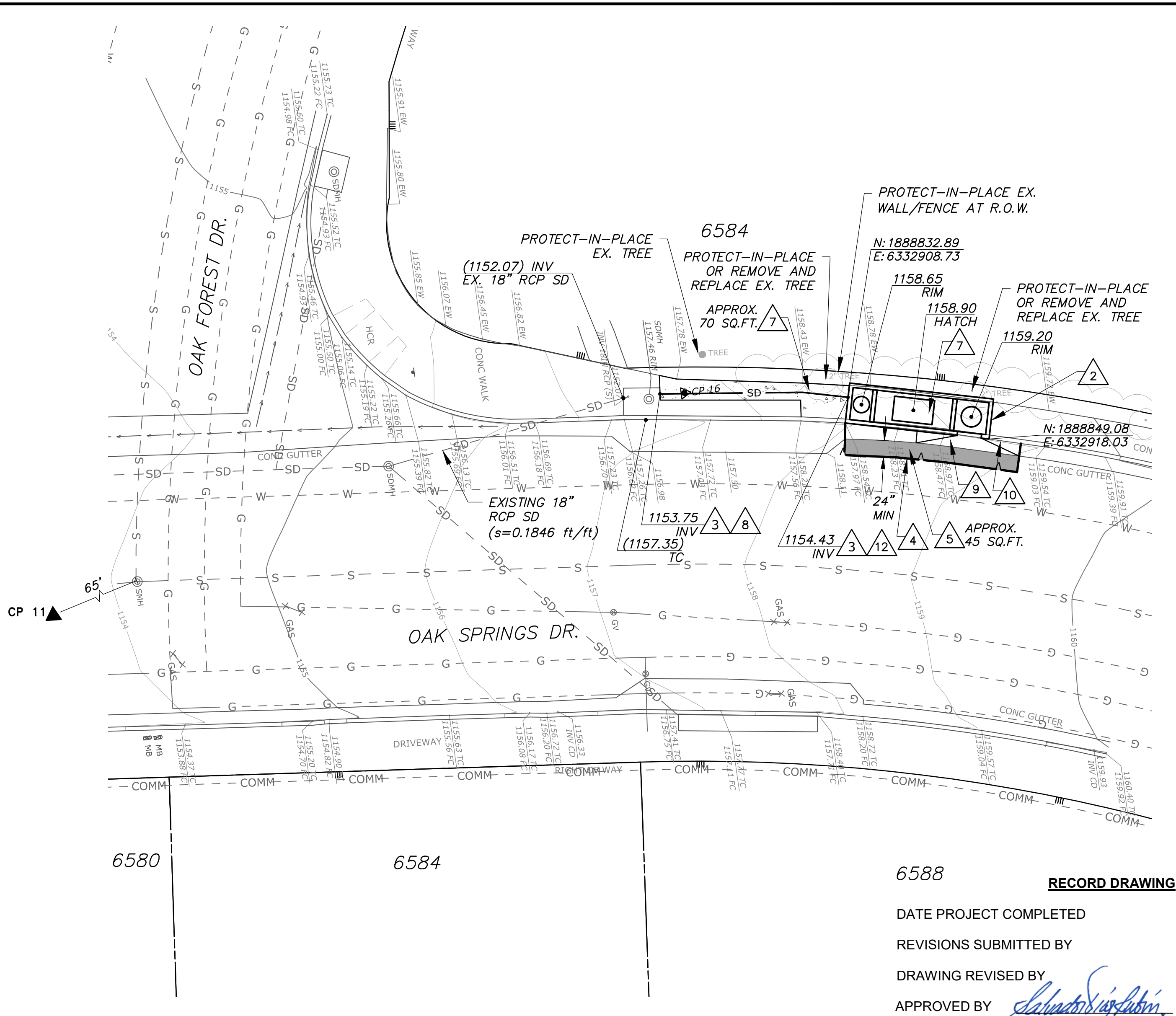
**OAK PARK GREEN STREETS URBAN RETROFIT
 PHASE 2
 PLAN - SITES 13 & 14**

SHEET 3 OF 11
 DRAWING SET NO. WPD-4-014

2/8/2021 2:09 PM



SITE 15 - DOUBLETREE RD. AND HOLLYTREE DR.

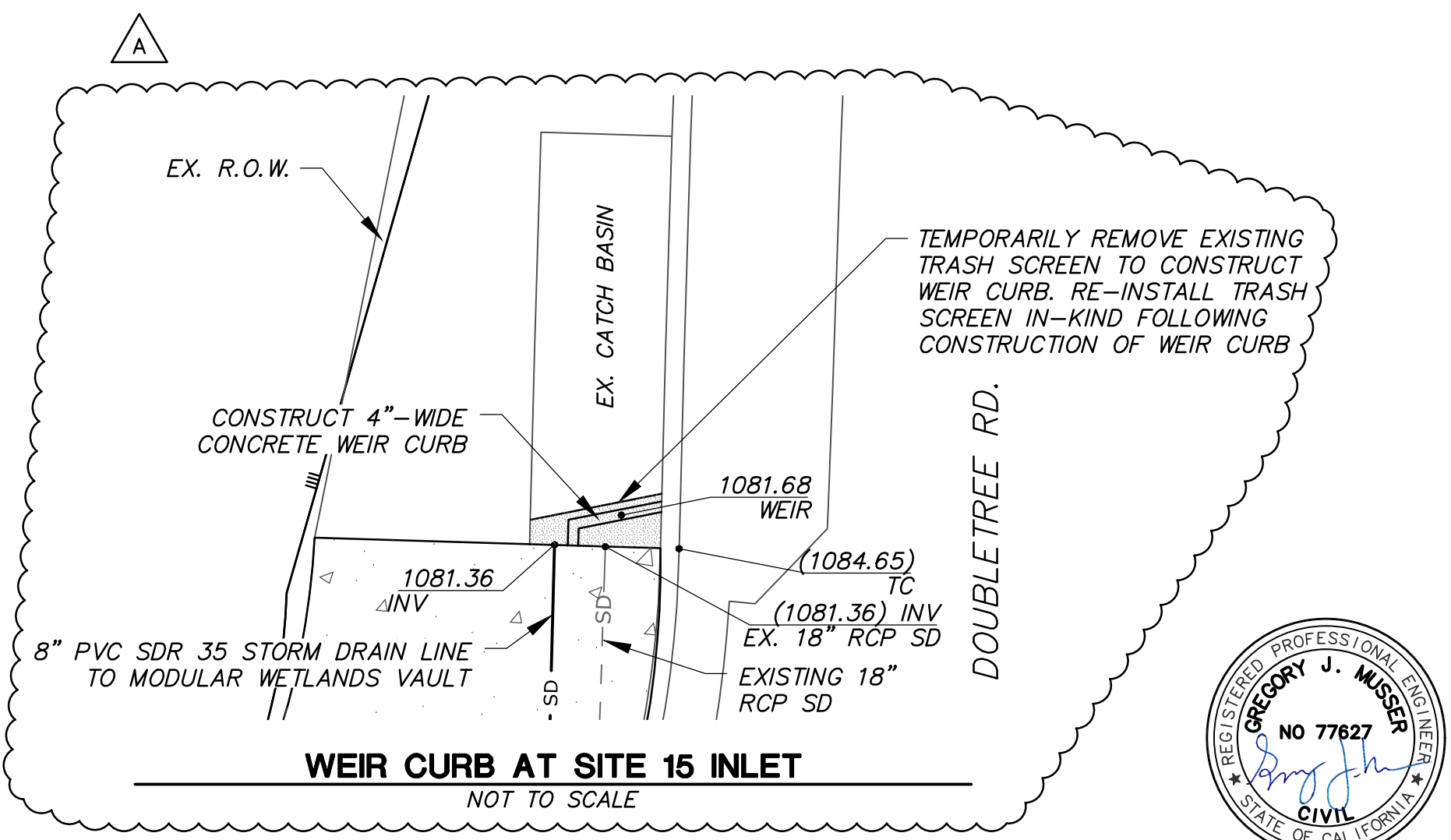


SITE 16 - OAK SPRINGS DR. AND OAK FOREST DR.

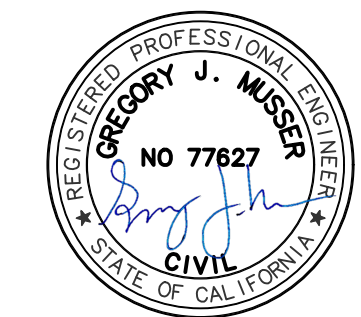


CONSTRUCTION NOTES

- FURNISH AND INSTALL 4'X8' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND VAULT UNIT (OR APPROVED EQUAL) WITH PEDESTRIAN TRAFFIC RATED CONCRETE TOP PER MANUFACTURER'S RECOMMENDATION. SEE (G)(8) (O)(9) (16) (23)
- FURNISH AND INSTALL 4'X17' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND CURB UNIT (OR APPROVED EQUAL) WITH PEDESTRIAN TRAFFIC RATED CONCRETE TOP PER MANUFACTURER'S RECOMMENDATION. SEE (H)(8) (O)(9) (18) (23)
- CONSTRUCT 8" DIAMETER SDR 35 PVC STORM DRAIN AT MINIMUM 1% SLOPE. FURNISH AND INSTALL APPROPRIATE BENDS/FITTINGS AS NEEDED TO CONSTRUCT PER PLAN. SEE (A)(2) (7)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT TO LIMITS SHOWN. (4)
- CONSTRUCT ASPHALT CONCRETE PAVEMENT PER SPPWC STANDARD PLAN 133-2, CASE II. (10)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF EXISTING CONCRETE LOCAL DEPRESSION AND MONOLITHIC CURB TO NEAREST JOINT. RECONSTRUCT LOCAL DEPRESSION WITH MONOLITHIC CURB TO MATCH EXISTING CONFIGURATION PER SPPWC STANDARD PLAN 120-2 (A2-6) AND 313-3 (CASE PER PLAN). (4) (9)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE SIDEWALK TO NEAREST JOINT. RECONSTRUCT SIDEWALK AS NECESSARY PER SPPWC STANDARD PLAN 113-2. (4) (12)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EXISTING CONCRETE CATCH BASIN PER SPPWC STANDARD PLAN 335-2, CASE 1. (8)
- CONSTRUCT LOCAL DEPRESSION WITH MONOLITHIC CURB PER SPPWC STANDARD PLAN 120-2 AND 313-3, CASE E. SEE (N)(9) (9)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE CURB & GUTTER TO NEAREST JOINT. (4)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE CURB & GUTTER TO NEAREST JOINT. RECONSTRUCT CURB & GUTTER AS NECESSARY PER SPPWC STANDARD PLAN 120-2, CASE A2-6(150). GUTTER SLOPE AND WIDTH, W, SHALL MATCH EXISTING. (4) (13)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO MODULAR WETLANDS DEVICE. SEE (B)(2) (15) THRU (21)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EX. STORM DRAIN PER SPPWC STANDARD PLAN 335-2, CASE 1, AS MODIFIED WITH 4,000 PSI GROUT. (8)
- CONSTRUCT 4-INCH WIDE CONCRETE WEIR CURB AROUND EXISTING OUTLET PIPE PER DETAIL HEREON. AFFIX WEIR CURB TO FLOOR AND WALLS OF THE EXISTING CATCH BASIN WITH A CONCRETE BONDING ADHESIVE APPLIED ALONG THE FULL WIDTH AND LENGTH OF THE WEIR CURB. APPLY BONDING ADHESIVE IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EXISTING CONCRETE CATCH BASIN PER SPPWC STANDARD PLAN 335-2, CASE 1. (8)
- REMOVE AND REPLACE EX. ADA CONCRETE CURB RAMP PER SPPWC STANDARD PLAN 111-5, TYPE 1. (A)



WEIR CURB AT SITE 15 INLET
NOT TO SCALE



4/8/2020 3:32 PM

SAVE DATE: 4/7/20	G MUSSER	N:\projects\0011\engineering\acad\improvements\PH2\0011.02_MODNET.dwg
D	REVISION	DESCRIPTION
C		
B		
A	REVISE CONFIGURATION OF SITE 15	



GREGORY J. MUSSER
PROJECT ENGINEER
DATE: 77,627
0011.02 04/07/2020
ECG W.O. PLAN DATE

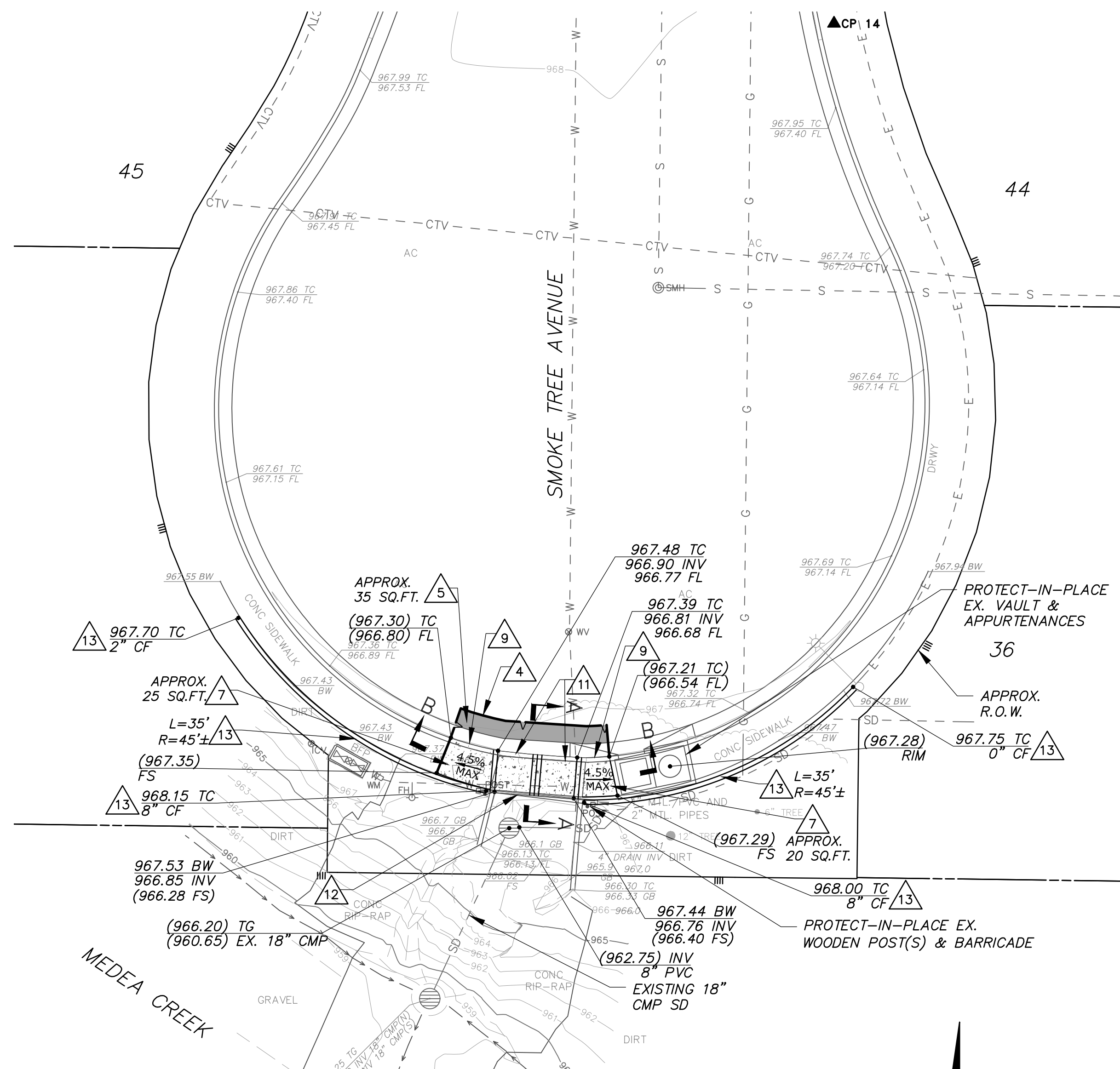
GJM	DESIGNED	DISTRICT PROJECT MANAGER	DATE
GJM	DRAWN	DISTRICT DEPUTY DIRECTOR	DATE
JDJ	CHECKED	DISTRICT DIRECTOR	DATE

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

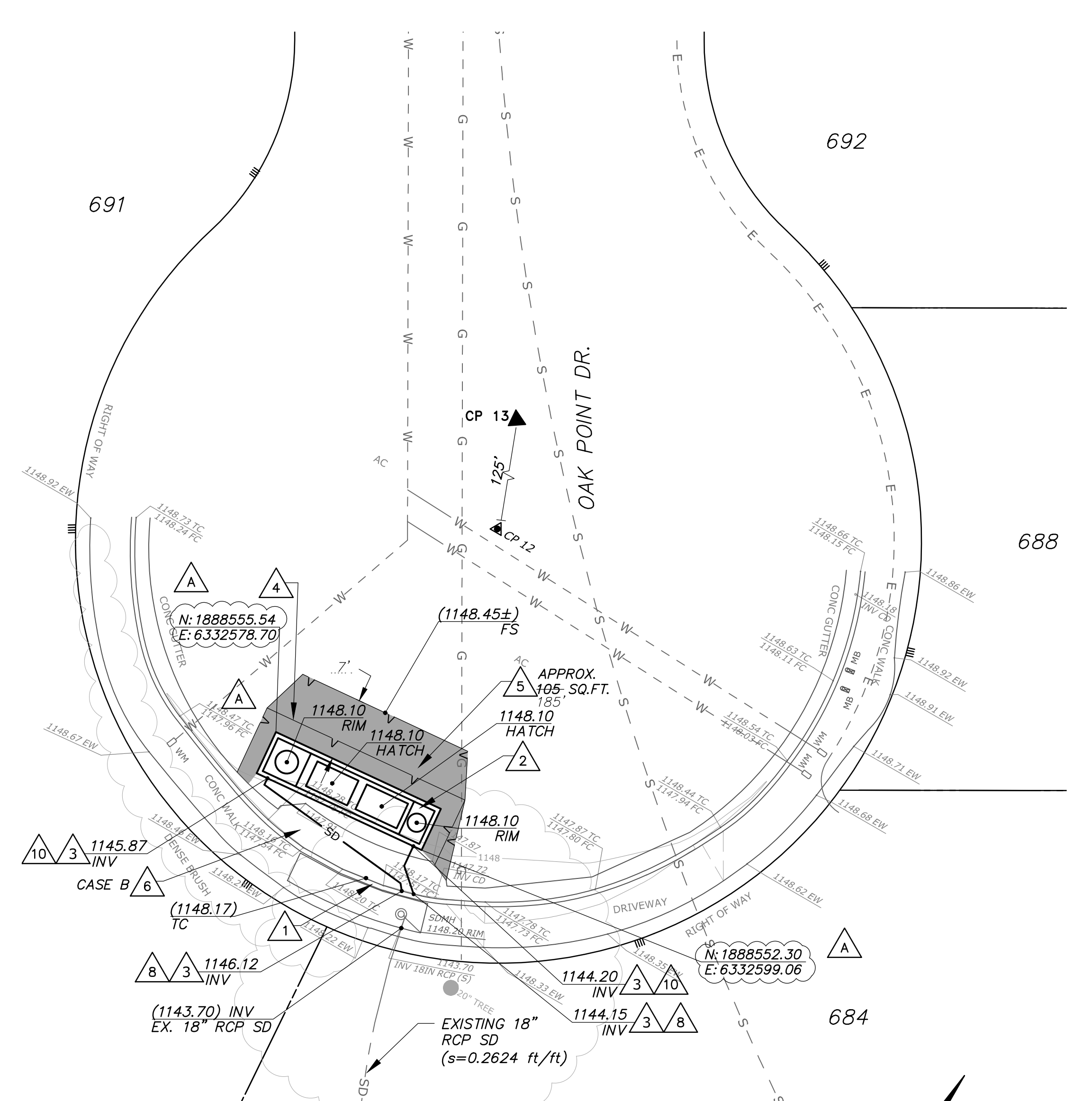
SPEC. NO.
WP19-11
PROJ. NO.
40540

**OAK PARK GREEN STREETS URBAN RETROFIT
PHASE 2
PLAN - SITES 15 & 16**

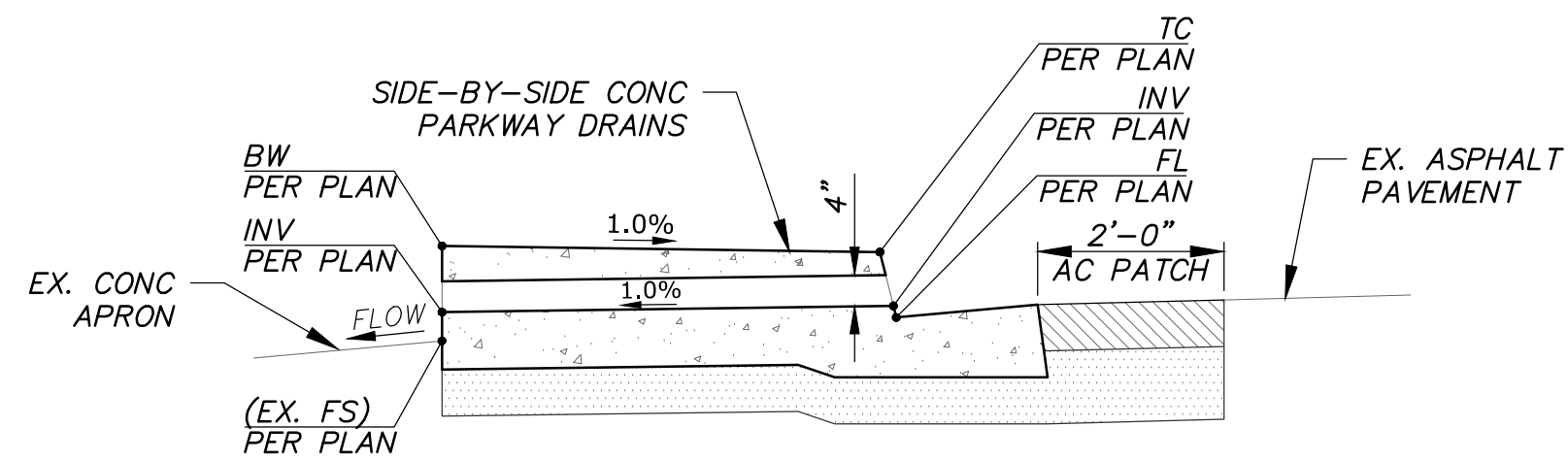
SHEET **4**
OF 11
DRAWING SET NO.
WPD-4-014



SITE 7 - SMOKE TREE AVE. AT MEDEA CREEK

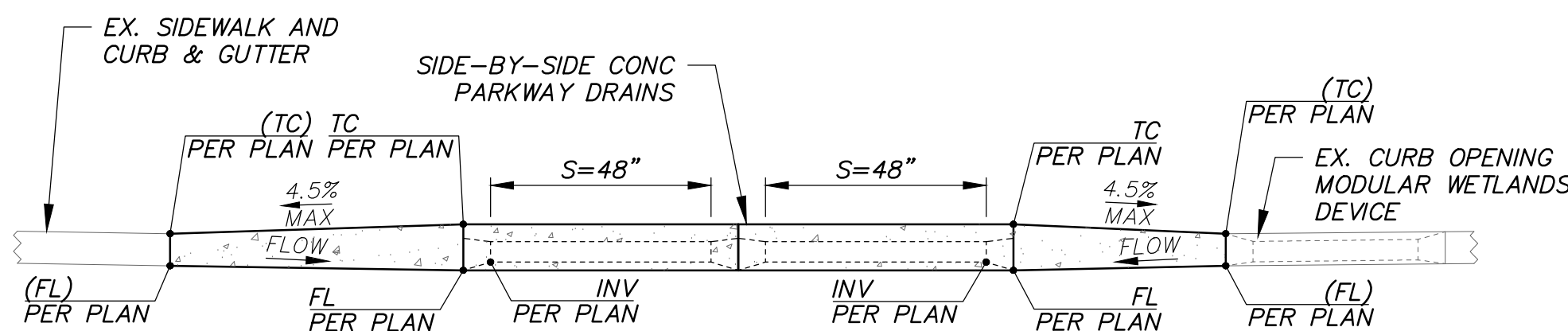


SITE 17 - OAK POINT DR. (S'LY CUL-DE-SAC)



SITE 7 - SECTION A-A

NOT TO SCALE

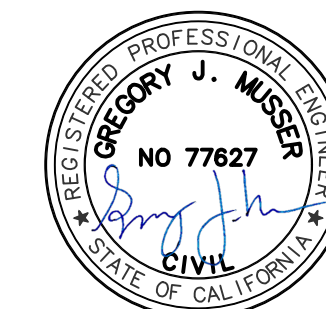


SITE 7 - SECTION B-B

NOT TO SCALE

CONSTRUCTION NOTES

- FURNISH AND INSTALL FIBERGLASS DVERT TROUGH IN EXISTING CATCH BASIN PER MANUFACTURER'S RECOMMENDATION. SEE (M/9) (22)
- FURNISH AND INSTALL 4'X19' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND VAULT UNIT (OR APPROVED EQUAL) WITH VEHICLE TRAFFIC TRAFFIC RATED CONCRETE TOP PER MANUFACTURER'S RECOMMENDATION. SEE (1/8) (0/9) (17) (23)
- CONSTRUCT 8" DIAMETER SDR 35 PVC STORM DRAIN AT MINIMUM 1% SLOPE. FURNISH AND INSTALL APPROPRIATE BENDS/FITTINGS AS NEEDED TO CONSTRUCT PER PLAN. SEE (A/2) (7)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT TO LIMITS SHOWN. (4)
- CONSTRUCT ASPHALT CONCRETE PAVEMENT PER SPPWC STANDARD PLAN 133-2, CASE II. (10)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF EXISTING CONCRETE LOCAL DEPRESSION AND MONOLITHIC CURB TO NEAREST JOINT. RECONSTRUCT LOCAL DEPRESSION WITH MONOLITHIC CURB TO MATCH EXISTING CONFIGURATION PER SPPWC STANDARD PLAN 120-2 (A2-6) AND 313-3 (CASE PER PLAN). (4) (9)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE SIDEWALK TO NEAREST JOINT. RECONSTRUCT SIDEWALK AS NECESSARY PER SPPWC STANDARD PLAN 113-2. (4) (12)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EXISTING CONCRETE CATCH BASIN PER SPPWC STANDARD PLAN 335-2, CASE 1. (8)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE CURB & GUTTER TO NEAREST JOINT. RECONSTRUCT CURB & GUTTER AS NECESSARY PER SPPWC STANDARD PLAN 120-2, CASE A2-6(150). GUTTER SLOPE AND WIDTH, W, SHALL MATCH EXISTING. (4) (13)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO MODULAR WETLANDS DEVICE. SEE (B/2) (15) THRU (21)
- CONSTRUCT SIDE-BY-SIDE PARKWAY DRAINS PER SPPWC STANDARD PLAN 151-2, INLET TYPE 2 S= 48". INVERT ELEVATION OF EACH PARKWAY DRAIN SHALL BE RAISED 1.5" ABOVE GUTTER FLOWLINE. (11)
- AFFIX EXISTING ABOVE-GROUND UTILITY LINES TO BACK OF PARKWAY DRAIN IN A MANNER IN WHICH THEY WILL NOT RESULT IN A TRIP HAZARD. (24)
- CONSTRUCT VARIABLE HEIGHT CONCRETE CURB TYPE A1-8(200) TO ELEVATIONS SHOWN ON PLAN PER SPPWC STANDARD PLAN 120-2. CURB SHALL BE CONSTRUCTED IMMEDIATELY BEHIND BACK OF SIDEWALK. (14)



RECORD DRAWING

DATE PROJECT COMPLETED	02/03/2021
REVISIONS SUBMITTED BY	Greg Musser, PE
DRAWING REVISED BY	Greg Musser, PE
APPROVED BY	DATE 2/09/2021

2/8/2021 2:05 PM

REVISION	DESCRIPTION	APP.	DATE
A	SHIFT UNIT AT SITE 17 4.0- FEET TO THE WEST		



GREGORY J. MUSSER
PROJECT ENGINEER
DATE: 77,627
R.C.E.
0011.02 04/07/2020
ECG W.O. PLAN DATE

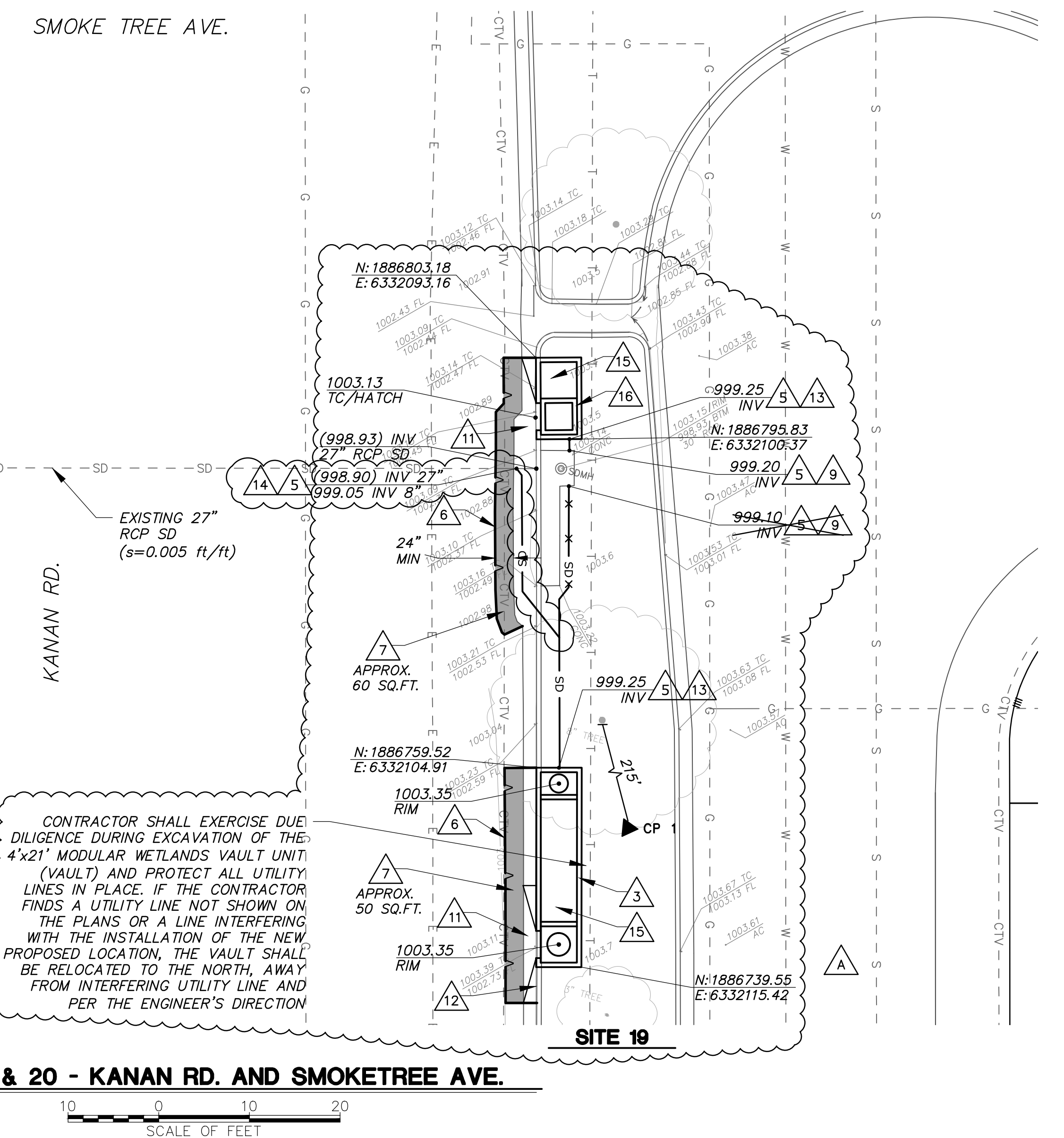
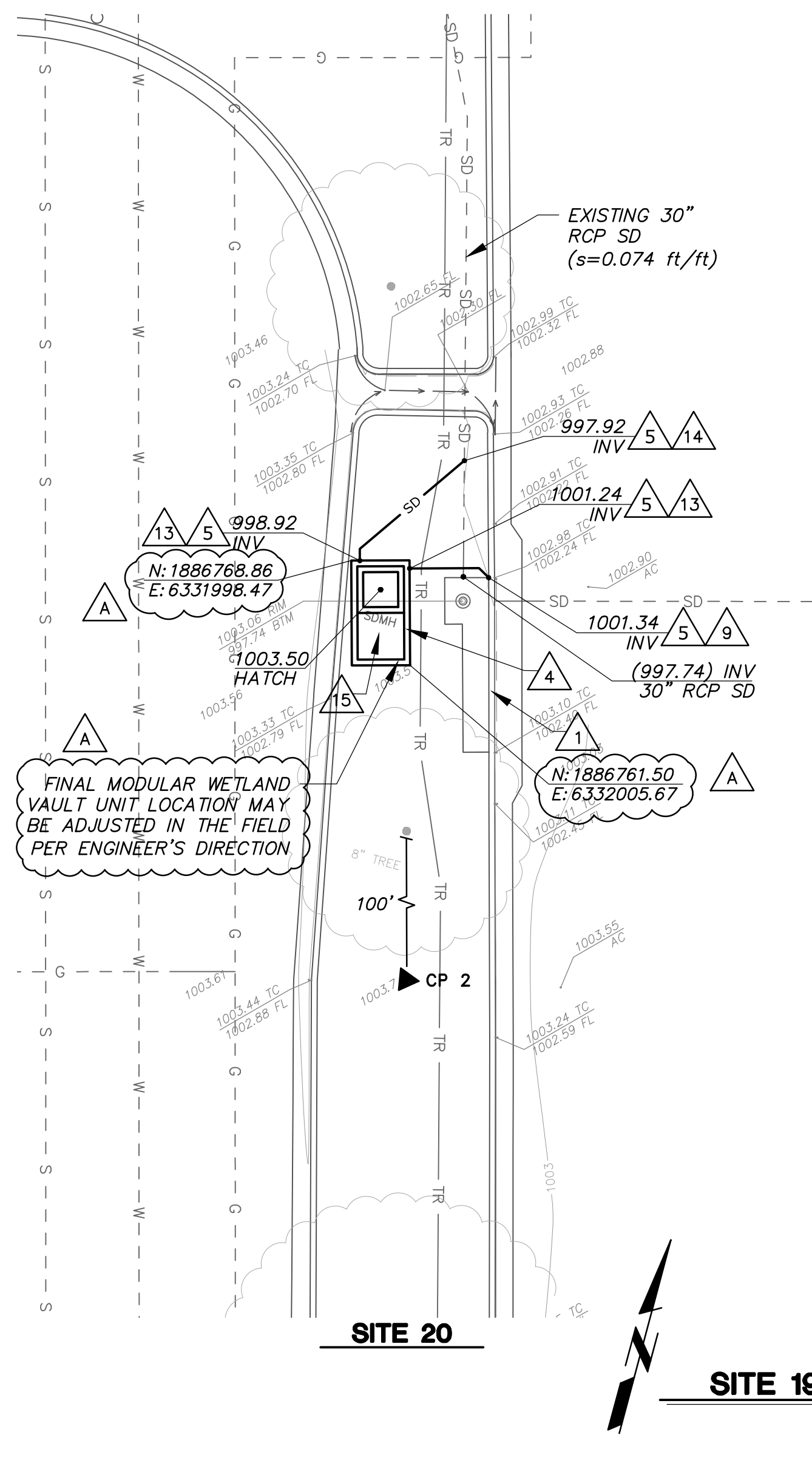
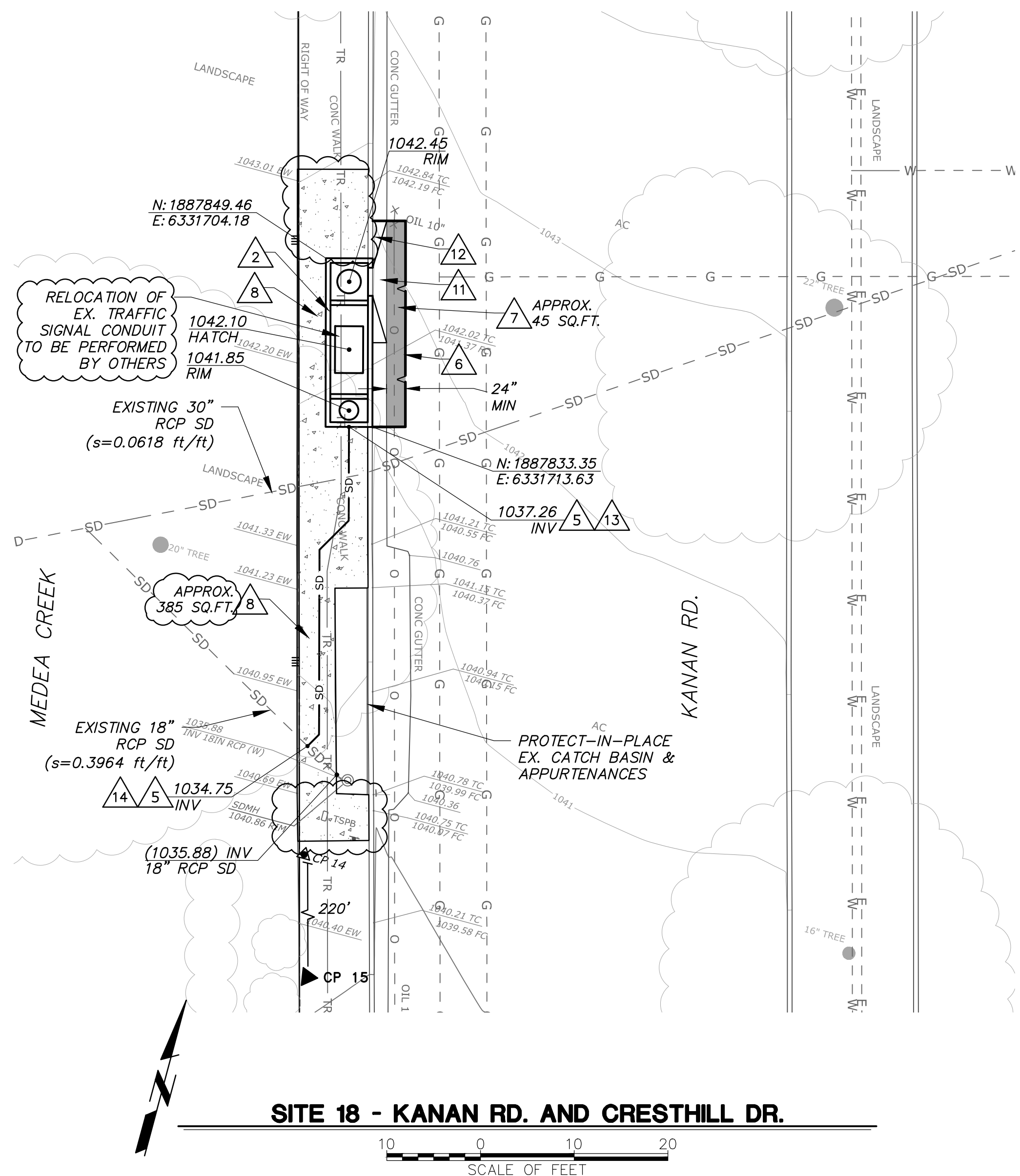
GJM DESIGNED	DISTRICT PROJECT MANAGER	DATE
GJM DRAWN	DISTRICT DEPUTY DIRECTOR	DATE
JDJ CHECKED	DISTRICT DIRECTOR	DATE

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

SPEC. NO.	WP19-11
PROJ. NO.	40540

**OAK PARK GREEN STREETS URBAN RETROFIT
PHASE 2
PLAN - SITES 7 & 17**

SHEET	5
OF	11
DRAWING SET NO.	WPD-4-014



CONSTRUCTION NOTES

- FURNISH AND INSTALL FIBERGLASS DVERT TROUGH IN EXISTING CATCH BASIN PER MANUFACTURER'S RECOMMENDATION. SEE (M/9) (22)
- FURNISH AND INSTALL 4'X17' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND CURB UNIT (OR APPROVED EQUAL) WITH PEDESTRIAN TRAFFIC RATED CONCRETE TOP PER MANUFACTURER'S RECOMMENDATION. SEE (J/8) (0/9) (18) (23)
- FURNISH AND INSTALL 4'X21' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND CURB UNIT (OR APPROVED EQUAL) WITH LANDSCAPING PER MANUFACTURER'S RECOMMENDATION. SEE (K-2/9A) (0/9) (20) (23)
- FURNISH AND INSTALL 4'X8' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND VAULT UNIT (OR APPROVED EQUAL) WITH LANDSCAPING PER MANUFACTURER'S RECOMMENDATION. SEE (L/9) (0/9) (21) (23)
- CONSTRUCT 8" DIAMETER SDR 35 PVC STORM DRAIN AT (MINIMUM 0.5% SLOPE). FURNISH AND INSTALL APPROPRIATE BENDS/FITTINGS AS NEEDED TO CONSTRUCT PER PLAN. SEE (A/2) (7)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF EXISTING ASPHALT CONCRETE PAVEMENT TO LIMITS SHOWN. (4)
- CONSTRUCT ASPHALT CONCRETE PAVEMENT PER SPPWC STANDARD PLAN 133-2, CASE II. (10)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE SIDEWALK TO NEAREST JOINT. RECONSTRUCT SIDEWALK AS NECESSARY PER SPPWC STANDARD PLAN 113-2. (4) (12)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EXISTING CONCRETE CATCH BASIN PER SPPWC STANDARD PLAN 335-2, CASE 1. (8)
- RELOCATE EXISTING UTILITY AS REQUIRED TO MAINTAIN MINIMUM 6-INCHES CLEAR FROM NEW MODULAR WETLAND STRUCTURE. COORDINATE ALL WORK IN ADVANCE WITH UTILITY OWNER(S). (24)
- CONSTRUCT LOCAL DEPRESSION WITH MONOLITHIC CURB PER SPPWC STANDARD PLAN 120-2 AND 313-3, CASE E. SEE (N/9) (9)
- SAWCUT TO A NEAT LINE, REMOVE, AND DISPOSE OF INTERFERING PORTION OF EXISTING CONCRETE CURB & GUTTER TO NEAREST JOINT. (4)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO MODULAR WETLANDS DEVICE. SEE (B/2) (15) THRU (21)
- CONNECT 8" DIAMETER SDR 35 PVC STORM DRAIN PIPE TO EX. STORM DRAIN PER SPPWC STANDARD PLAN 335-2, CASE 1, AS MODIFIED WITH 4,000 PSI GROUT. (8)
- REMOVE AND DISPOSE OF EXISTING INTERFERING LANDSCAPING AND IRRIGATION AND RELOCATE OR RECONSTRUCT AS REQUIRED FOR NEW CONSTRUCTION PER SHEETS 10-11.
- FURNISH AND INSTALL 4'X8' (INTERIOR DIMENSIONS) LINEAR MODULAR WETLAND CURB UNIT (OR APPROVED EQUAL) WITH LANDSCAPING PER MANUFACTURER'S RECOMMENDATION. SEE (K-1/9A) (0/9) (21) (23)

RECORD DRAWING

DATE PROJECT COMPLETED 02/03/2021
 REVISIONS SUBMITTED BY Greg Musser, PE
 DRAWING REVISED BY Greg Musser, PE
 APPROVED BY *Gregory J. Musser* DATE 2/09/2021



REVISION	DESCRIPTION	APP.	DATE
A	UTIL RELOCATION AT SITE 18, REVERSE SITE 19 CONFIGURATION & SHIFT UNIT AT SITE 20		



GREGORY J. MUSSER
 PROJECT ENGINEER
 DATE: 04/07/2020
 R.C.E.: 77,627
 ECG W.O. PLAN DATE

GJM DESIGNED	DISTRICT PROJECT MANAGER	DATE
GJM DRAWN	DISTRICT DEPUTY DIRECTOR	DATE
JDJ CHECKED	DISTRICT DIRECTOR	DATE

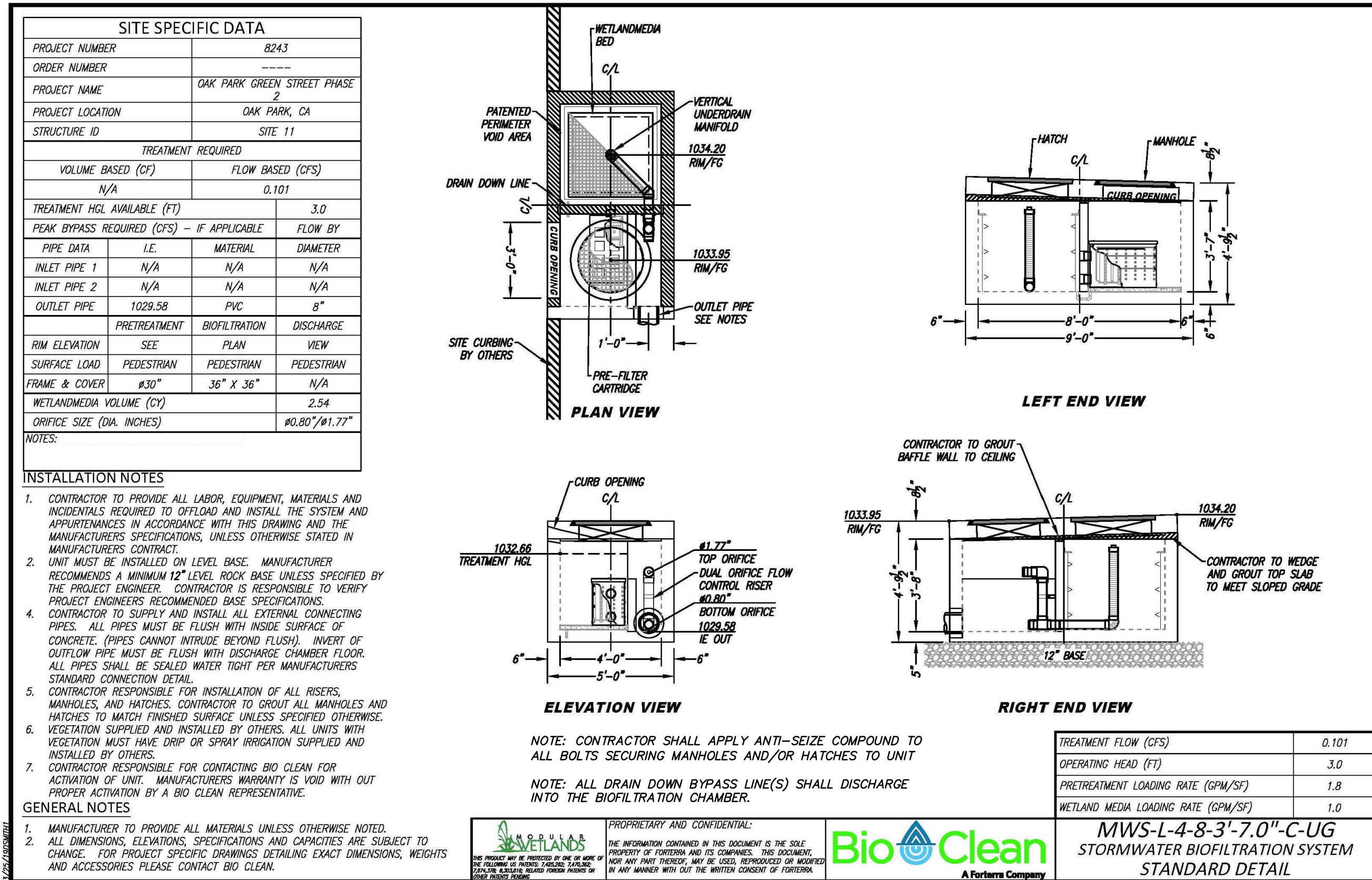
**COUNTY OF VENTURA
 PUBLIC WORKS AGENCY
 WATERSHED PROTECTION DISTRICT**

SPEC. NO.
 WP19-11
 PROJ. NO.
 40540

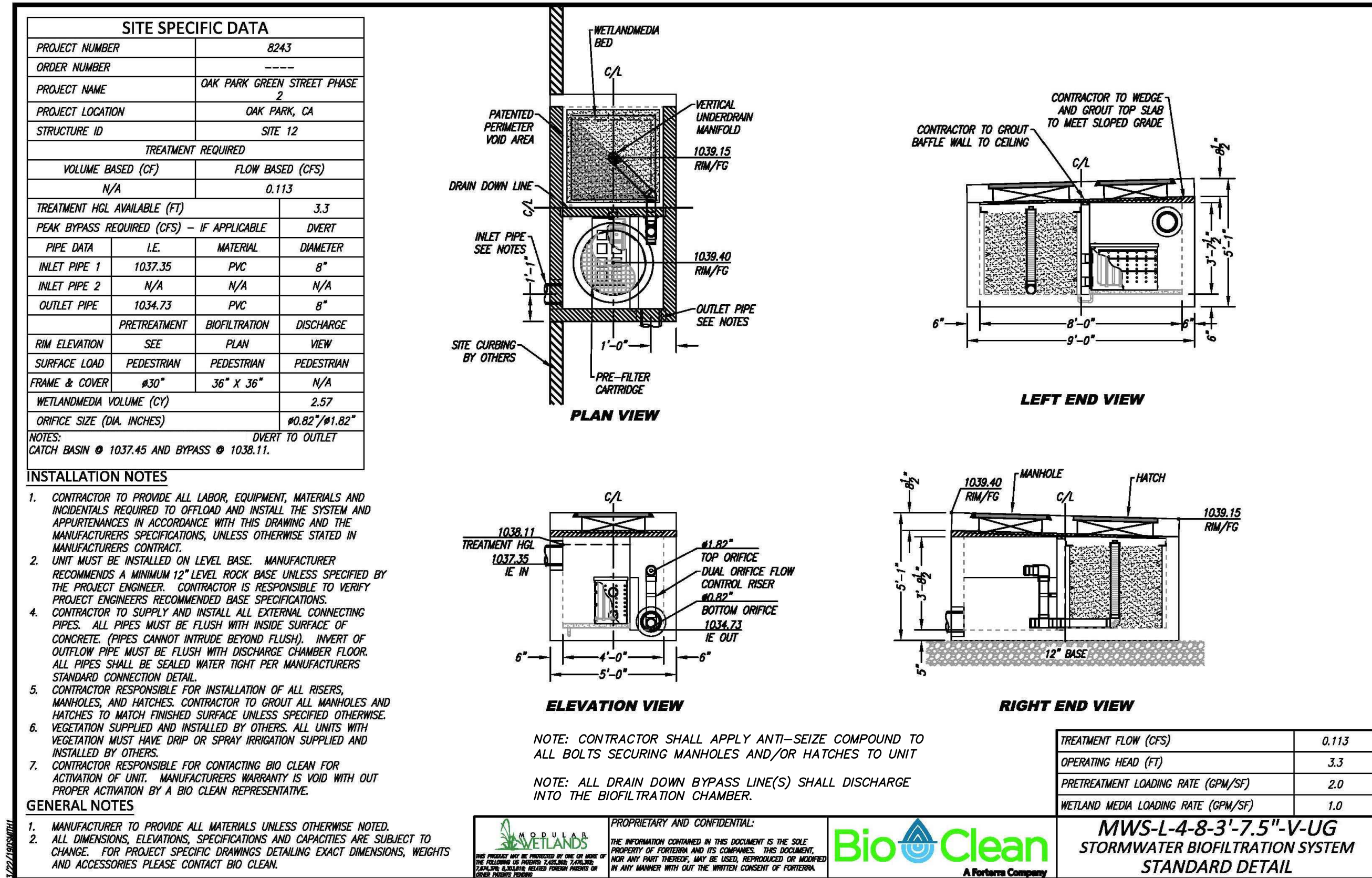
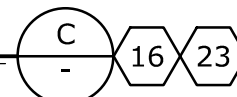
**OAK PARK GREEN STREETS URBAN RETROFIT
 PHASE 2**
 PLAN - SITES 18, 19, & 20

SHEET 6
 OF 11
 DRAWING SET NO.
 WPD-4-014

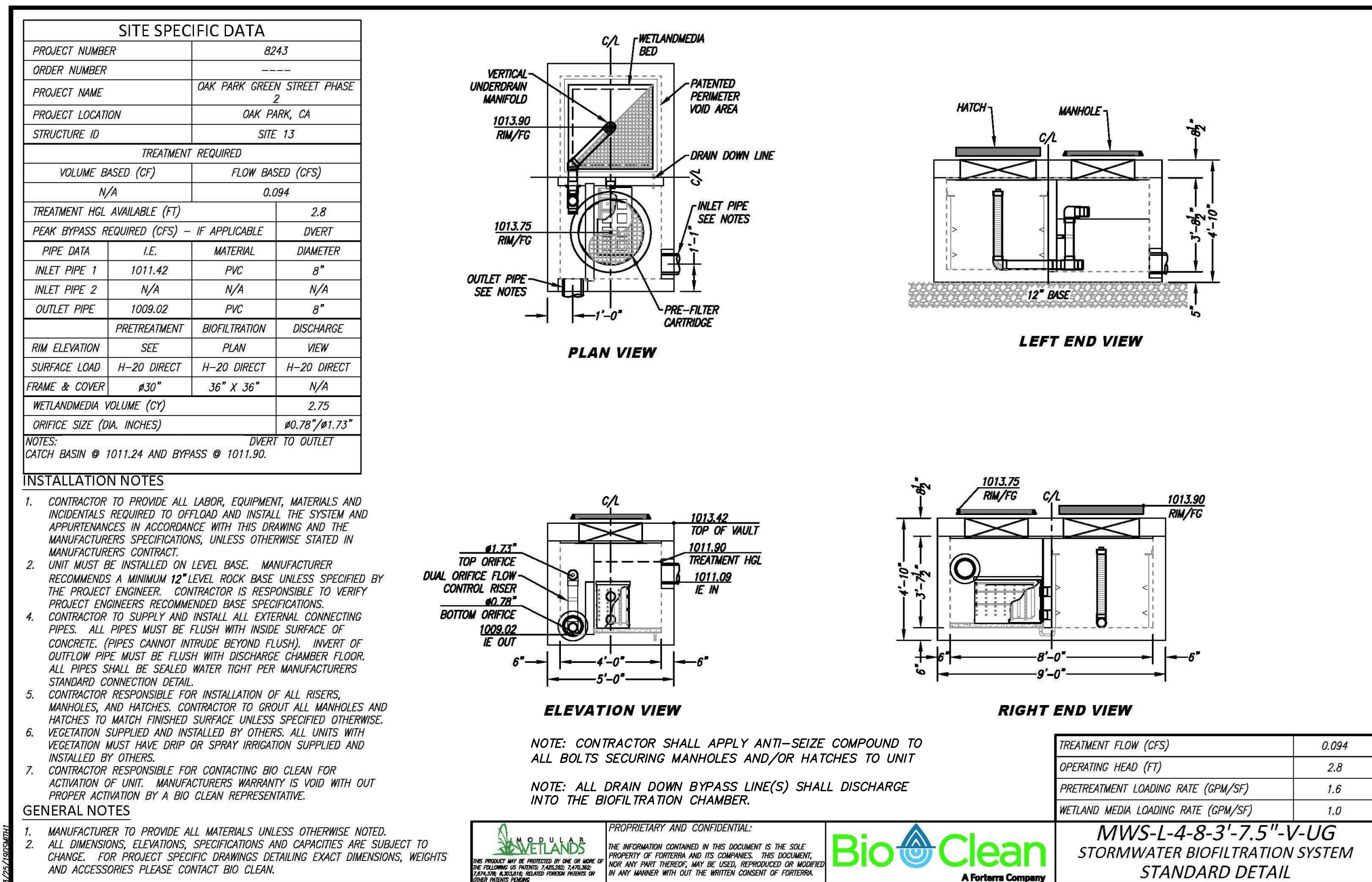
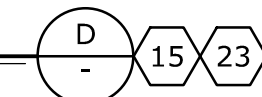
2/8/2021 2:02 PM



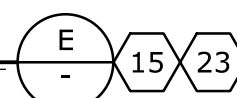
SITE 11 - 4'x8' LINEAR MODULAR WETLAND CURB UNIT



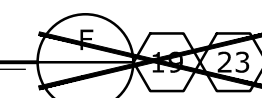
SITE 12 - 4'x8' LINEAR MODULAR WETLAND VAULT UNIT



SITE 13 - 4'x8' LINEAR MODULAR WETLAND VAULT UNIT



SITE 14 - 4'x21' LINEAR MODULAR WETLAND VAULT UNIT



RECORD DRAWING

DATE PROJECT COMPLETED 02/03/2021

REVISIONS SUBMITTED BY Greg Musser, PE

DRAWING REVISED BY Greg Musser, PE

APPROVED BY *Gregory J. Musser* DATE 2/09/2021



4/7/2020 1:29 PM

SAVE DATE: 3/9/20	PROJECT: N:\projects\0011\engineering\acad\improvements\PH2\0011_02_MODWETL_DET.DWG		
D			
C			
B			
A	REMOVE SITE 14 FROM CONTRACT		
REVISION	DESCRIPTION	APP.	DATE



GREGORY J. MUSSER
PROJECT ENGINEER
DATE: 77,627
0011.02 04/07/2020
EGG W.O. PLAN DATE

GJM DESIGNED	DISTRICT PROJECT MANAGER	DATE
GJM DRAWN	DISTRICT DEPUTY DIRECTOR	DATE
JDJ CHECKED	DISTRICT DIRECTOR	DATE

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

SPEC. NO.
WP19-11
PROJ. NO.
40540

**OAK PARK GREEN STREETS URBAN RETROFIT
PHASE 2**

MODULAR WETLAND VAULT DETAILS - I

SHEET 7 OF 11
DRAWING SET NO. WPD-4-014

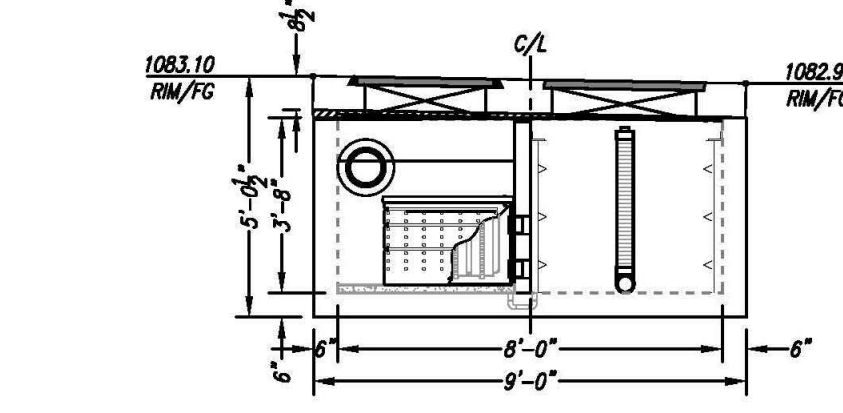
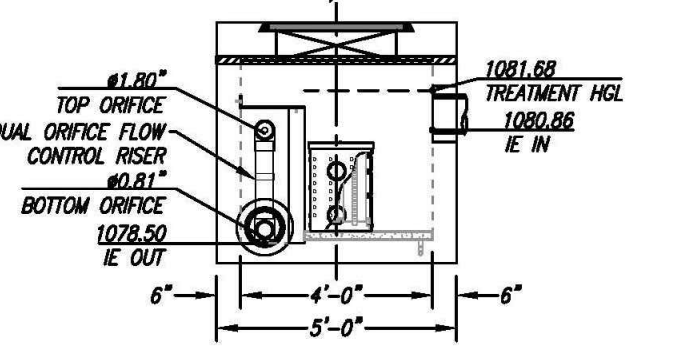
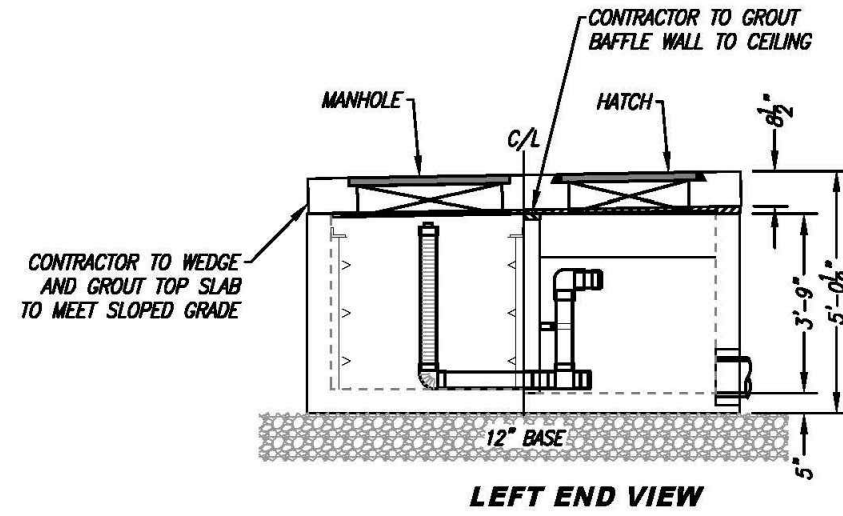
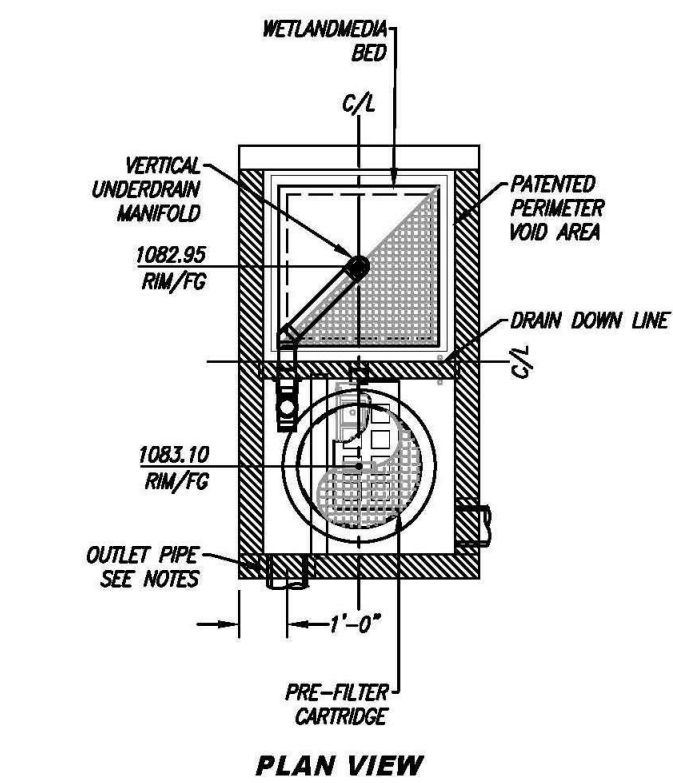
SITE SPECIFIC DATA			
PROJECT NUMBER	8243		
ORDER NUMBER	---		
PROJECT NAME	OAK PARK GREEN STREET PHASE 2		
PROJECT LOCATION	OAK PARK, CA		
STRUCTURE ID	SITE 15		
TREATMENT REQUIRED			
VOLUME BASED (CF)	FLOW BASED (CFS)		
N/A	0.106		
TREATMENT HGL AVAILABLE (FT)	3.1		
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE	OFFLINE		
PIPE DATA			
I.E.	MATERIAL	DIAMETER	
INLET PIPE 1	1080.86	PVC	8"
INLET PIPE 2	N/A	N/A	N/A
OUTLET PIPE	1078.50	PVC	8"
PRETREATMENT		BIOFILTRATION	DISCHARGE
RIM ELEVATION	SEE	PLAN	VIEW
SURFACE LOAD	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
FRAME & COVER	#30"	36" X 36"	N/A
WETLANDMEDIA VOLUME (CY)	2.59		
ORIFICE SIZE (DIA. INCHES)	#0.81"/#1.80"		
NOTES: UPSTREAM TOP OF WEIR TO BE SET TO TREATMENT HGL = 1081.68.			

INSTALLATION NOTES

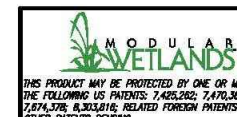
- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
- UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 12" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
- CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATER TIGHT PER MANUFACTURERS STANDARD CONNECTION DETAIL.
- CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
- VEGETATION SUPPLIED AND INSTALLED BY OTHERS. ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND INSTALLED BY OTHERS.
- CONTRACTOR RESPONSIBLE FOR CONTACTING BIO CLEAN FOR ACTIVATION OF UNIT. MANUFACTURERS WARRANTY IS VOID WITH OUT PROPER ACTIVATION BY A BIO CLEAN REPRESENTATIVE.

GENERAL NOTES

- MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT BIO CLEAN.



TREATMENT FLOW (CFS)	0.106
OPERATING HEAD (FT)	3.1
PRETREATMENT LOADING RATE (GPM/SF)	1.9
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0



PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLAND SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLAND SYSTEMS IS PROHIBITED.



MWS-L-4-8-3'-8.0"-V-UG
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

SITE 15 - 4'x8' LINEAR MODULAR WETLAND VAULT UNIT

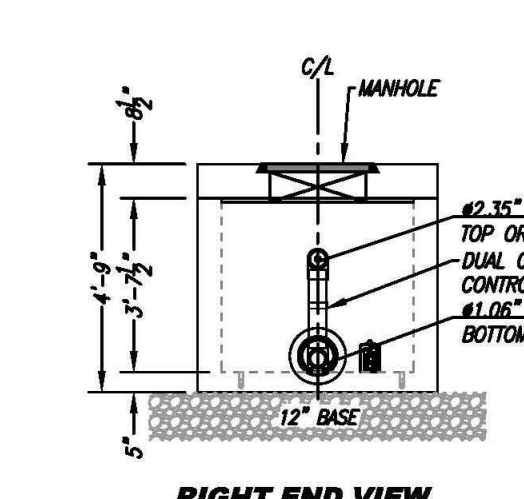
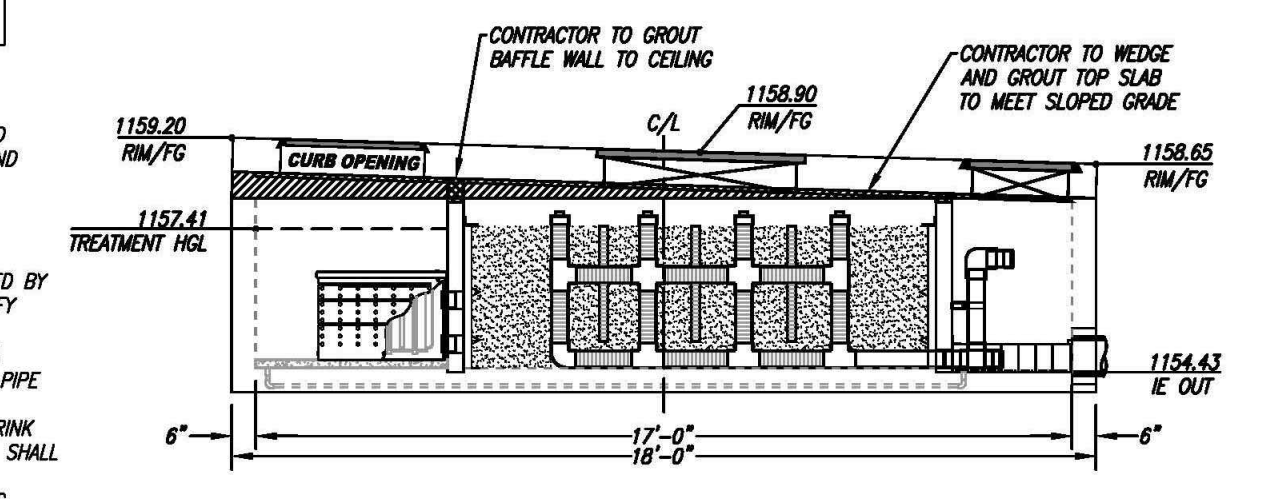
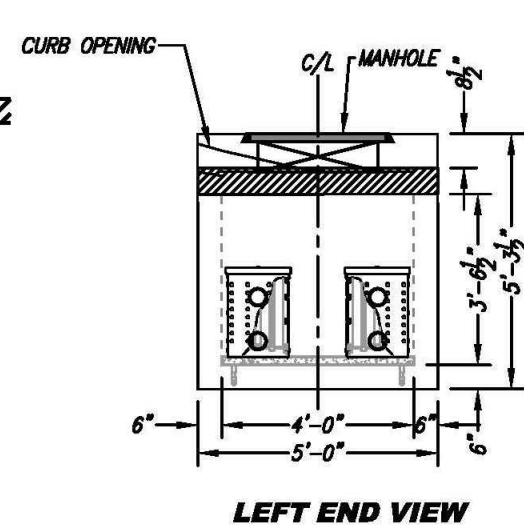
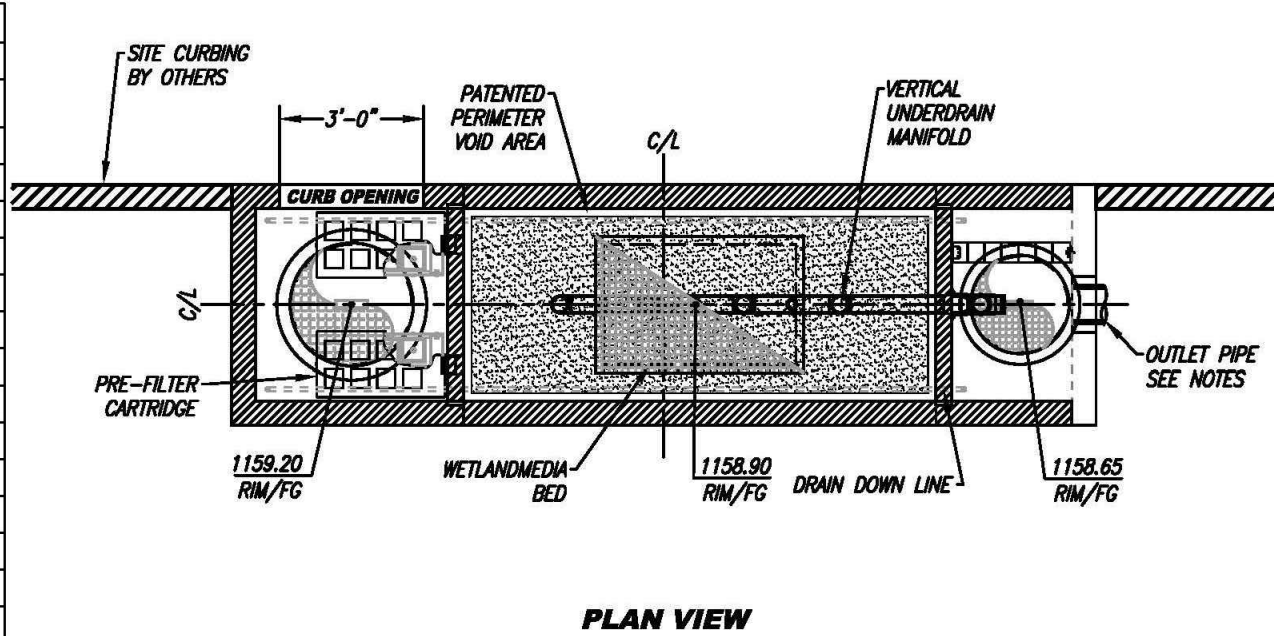
SITE SPECIFIC DATA			
PROJECT NUMBER	8243		
PROJECT NAME	OAK PARK GREEN STREET PHASE 2		
PROJECT LOCATION	OAK PARK, CA		
STRUCTURE ID	SITE 16		
TREATMENT REQUIRED			
VOLUME BASED (CF)	FLOW BASED (CFS)		
N/A	0.176		
TREATMENT HGL AVAILABLE (FT)	2.9		
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE	FLOW BY		
PIPE DATA			
I.E.	MATERIAL	DIAMETER	
INLET PIPE 1	N/A	N/A	N/A
INLET PIPE 2	N/A	N/A	N/A
OUTLET PIPE	1154.43	PVC	8"
PRETREATMENT		BIOFILTRATION	DISCHARGE
RIM ELEVATION	SEE	PLAN	VIEW
SURFACE LOAD	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
FRAME & COVER	#30"	30" X 48"	#24"
WETLANDMEDIA VOLUME (CY)	3.90		
ORIFICE SIZE (DIA. INCHES)	#1.06"/#2.35"		
NOTES:			

INSTALLATION NOTES

- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
- UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 12" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
- ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL CAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
- CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
- CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
- DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.
- CONTRACTOR RESPONSIBLE FOR CONTACTING MODULAR WETLANDS FOR ACTIVATION OF UNIT. MANUFACTURERS WARRANTY IS VOID WITH OUT PROPER ACTIVATION BY A MODULAR WETLANDS REPRESENTATIVE.

GENERAL NOTES

- MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.



TREATMENT FLOW (CFS)	0.176
OPERATING HEAD (FT)	2.9
PRETREATMENT LOADING RATE (GPM/SF)	1.5
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0



PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLAND SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLAND SYSTEMS IS PROHIBITED.



MWS-L-4-17-3'-6.5"-C-UG
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

SITE 16 - 4'x17' LINEAR MODULAR WETLAND CURB UNIT

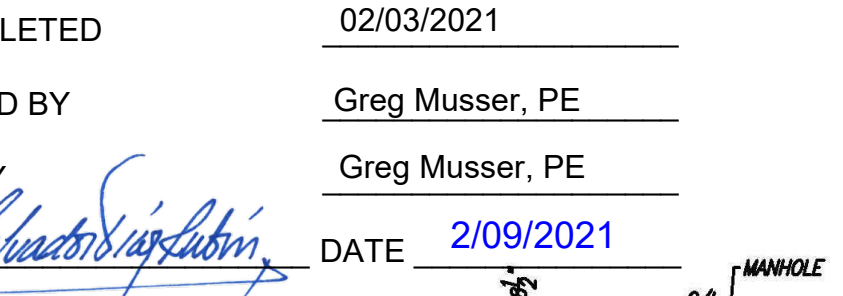
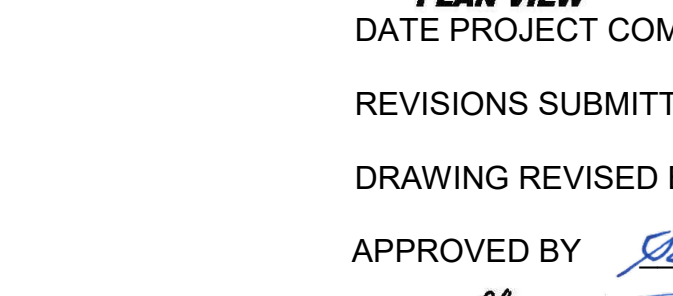
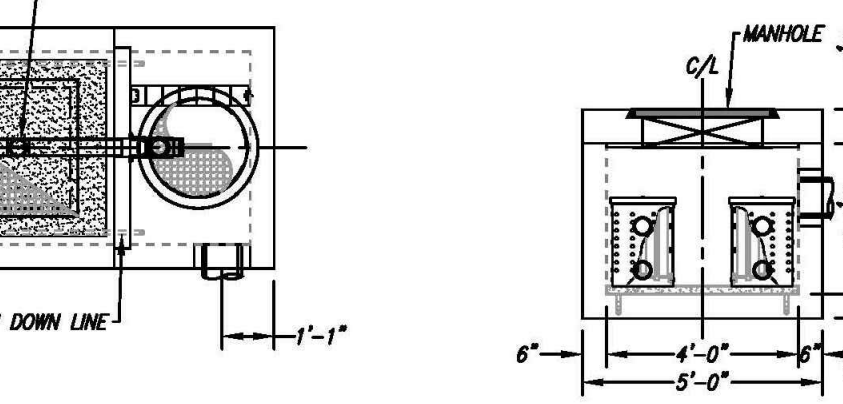
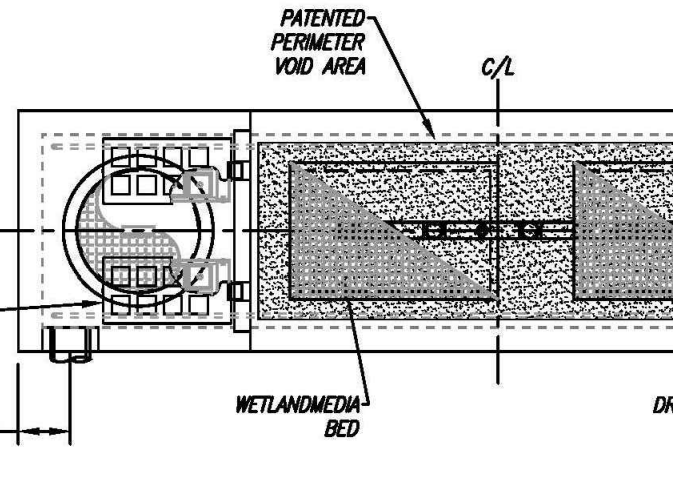
SITE SPECIFIC DATA			
PROJECT NUMBER	8243		
PROJECT NAME	OAK PARK GREEN STREET PHASE 2		
PROJECT LOCATION	OAK PARK, CA		
STRUCTURE ID	SITE 17		
TREATMENT REQUIRED			
VOLUME BASED (CF)	FLOW BASED (CFS)		
N/A	0.175		
TREATMENT HGL AVAILABLE (FT)	2.5		
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE	DNRT		
PIPE DATA			
I.E.	MATERIAL	DIAMETER	
INLET PIPE 1	1145.87	PVC	8"
INLET PIPE 2	N/A	N/A	N/A
OUTLET PIPE	1144.20	PVC	8"
PRETREATMENT		BIOFILTRATION	DISCHARGE
RIM ELEVATION	1148.10	1148.10	1148.10
SURFACE LOAD	H-20 DIRECT	H-20 DIRECT	H-20 DIRECT
FRAME & COVER	#30"	26A 30" X 48"	#24"
WETLANDMEDIA VOLUME (CY)	3.91		
ORIFICE SIZE (DIA. INCHES)	#1.10"/#2.43"		
NOTES: DIVERT TO OUTLET CATCH BASIN @ 1146.12 AND BYPASS @ 1146.78.			

INSTALLATION NOTES

- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
- UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 12" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
- ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL CAPS AROUND PIPES SHALL BE SEALED WATER TIGHT WITH A NON-SHRINK GROUT PER MANUFACTURERS STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
- CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES.
- CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
- DRIP OR SPRAY IRRIGATION REQUIRED ON ALL UNITS WITH VEGETATION.
- CONTRACTOR RESPONSIBLE FOR CONTACTING MODULAR WETLANDS FOR ACTIVATION OF UNIT. MANUFACTURERS WARRANTY IS VOID WITH OUT PROPER ACTIVATION BY A MODULAR WETLANDS REPRESENTATIVE.

GENERAL NOTES

- MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.



TREATMENT FLOW (CFS)	0.175
OPERATING HEAD (FT)	2.5
PRETREATMENT LOADING RATE (GPM/SF)	1.5
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0



PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLAND SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLAND SYSTEMS IS PROHIBITED.



MWS-L-4-19-3'-1.5"-V-UG
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

SITE 17 - 4'x19' LINEAR MODULAR WETLAND VAULT UNIT

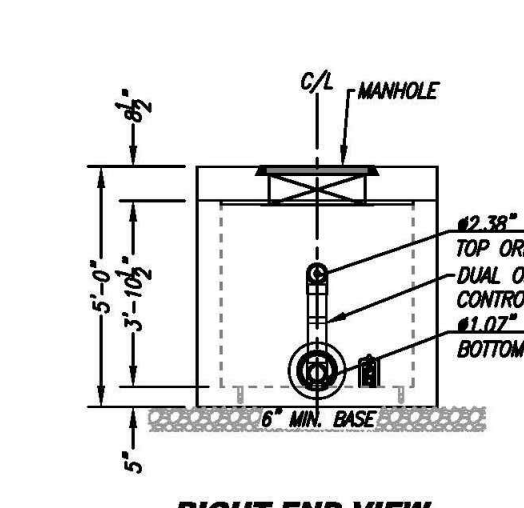
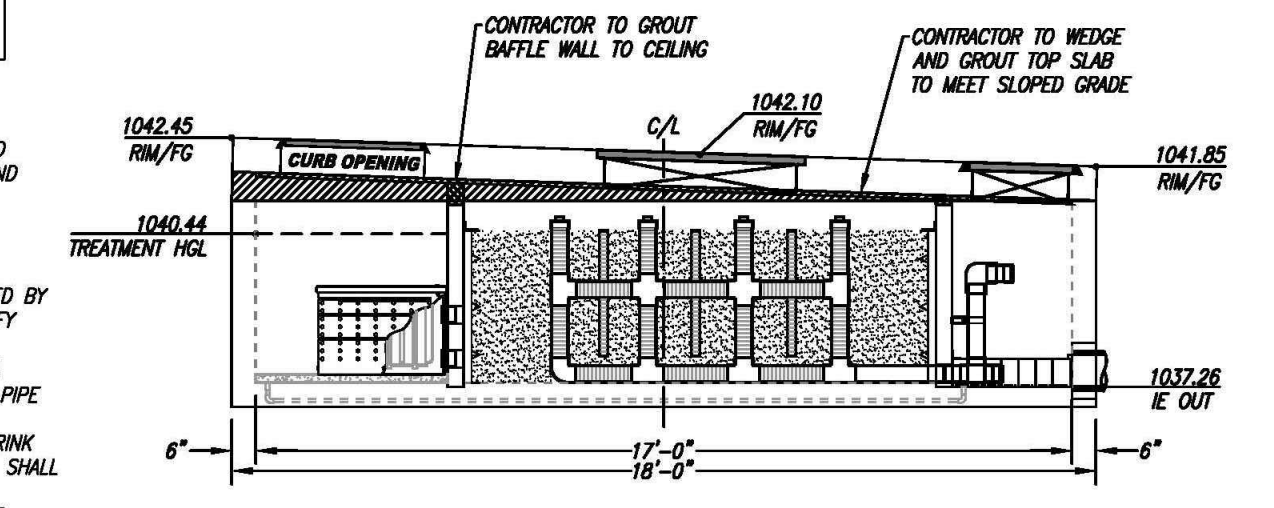
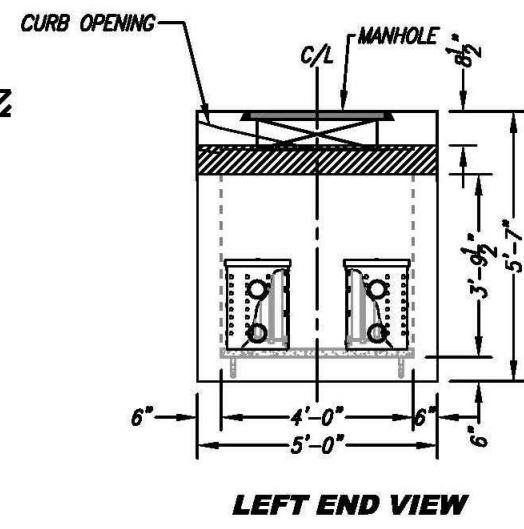
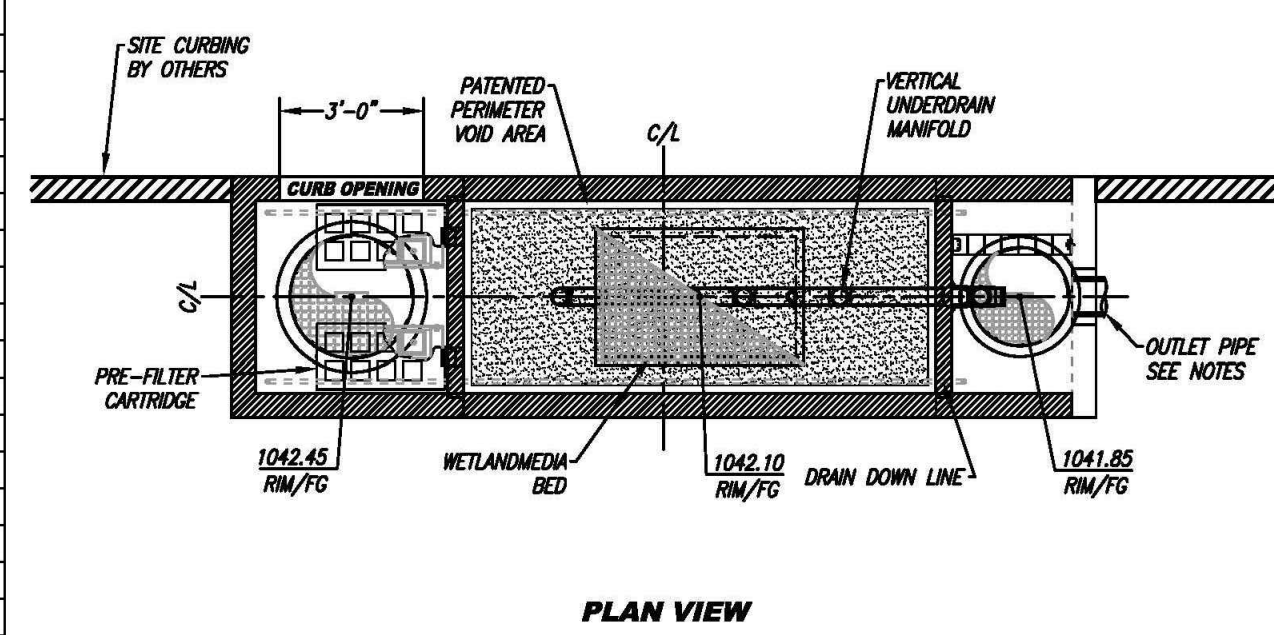
SITE SPECIFIC DATA			
PROJECT NUMBER	8243		
PROJECT NAME	OAK PARK GREEN STREET PHASE 2		
PROJECT LOCATION	OAK PARK, CA		
STRUCTURE ID	SITE 18		
TREATMENT REQUIRED			
VOLUME BASED (CF)	FLOW BASED (CFS)		
N/A	0.187		
TREATMENT HGL AVAILABLE (FT)	3.1		
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE	FLOW BY		
PIPE DATA			
I.E.	MATERIAL	DIAMETER	
INLET PIPE 1	N/A	N/A	N/A
INLET PIPE 2	N/A	N/A	N/A
OUTLET PIPE	1037.26	PVC	8"
PRETREATMENT		BIOFILTRATION	DISCHARGE
RIM ELEVATION	SEE	PLAN	VIEW
SURFACE LOAD	PEDESTRIAN	PEDESTRIAN	PEDESTRIAN
FRAME & COVER	#30"	30" X 48"	#24"
WETLANDMEDIA VOLUME (CY)	4.00		
ORIFICE SIZE (DIA. INCHES)	#1.07"/#2.38"		
NOTES:			

INSTALLATION NOTES

- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
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- CONTRACTOR RESPONSIBLE FOR CONTACTING MODULAR WETLANDS FOR ACTIVATION OF UNIT. MANUFACTURERS WARRANTY IS VOID WITH OUT PROPER ACTIVATION BY A MODULAR WETLANDS REPRESENTATIVE.

GENERAL NOTES

- MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
- ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT MANUFACTURER.



TREATMENT FLOW (CFS)	0.187
OPERATING HEAD (FT)	3.1
PRETREATMENT LOADING RATE (GPM/SF)	1.6
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0



PROPRIETARY AND CONFIDENTIAL: THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF MODULAR WETLAND SYSTEMS. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF MODULAR WETLAND SYSTEMS IS PROHIBITED.



MWS-L-4-17-3'-9.5"-C-UG
STORMWATER BIOFILTRATION SYSTEM
STANDARD DETAIL

SITE 18 - 4'x17' LINEAR MODULAR WETLAND CURB UNIT

4/8/2020 1:48 PM

REVISION	DESCRIPTION	APP.	DATE
D			
C			
B			
A	REVISE CONFIGURATION OF SITE 15		

DATE	DESCRIPTION	APP.	DATE
4/7/20	GMUSSER		



GREGORY J. MUSSER
PROJECT ENGINEER
DATE: 77.627
0011.02 04/07/2020
EGG W.O. PLAN DATE

PROJECT ENGINEER	DISTRICT PROJECT MANAGER	DATE
GJM		
DISTRICT DEPUTY DIRECTOR	DISTRICT DIRECTOR	DATE
GJM		
JDJ		

COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT

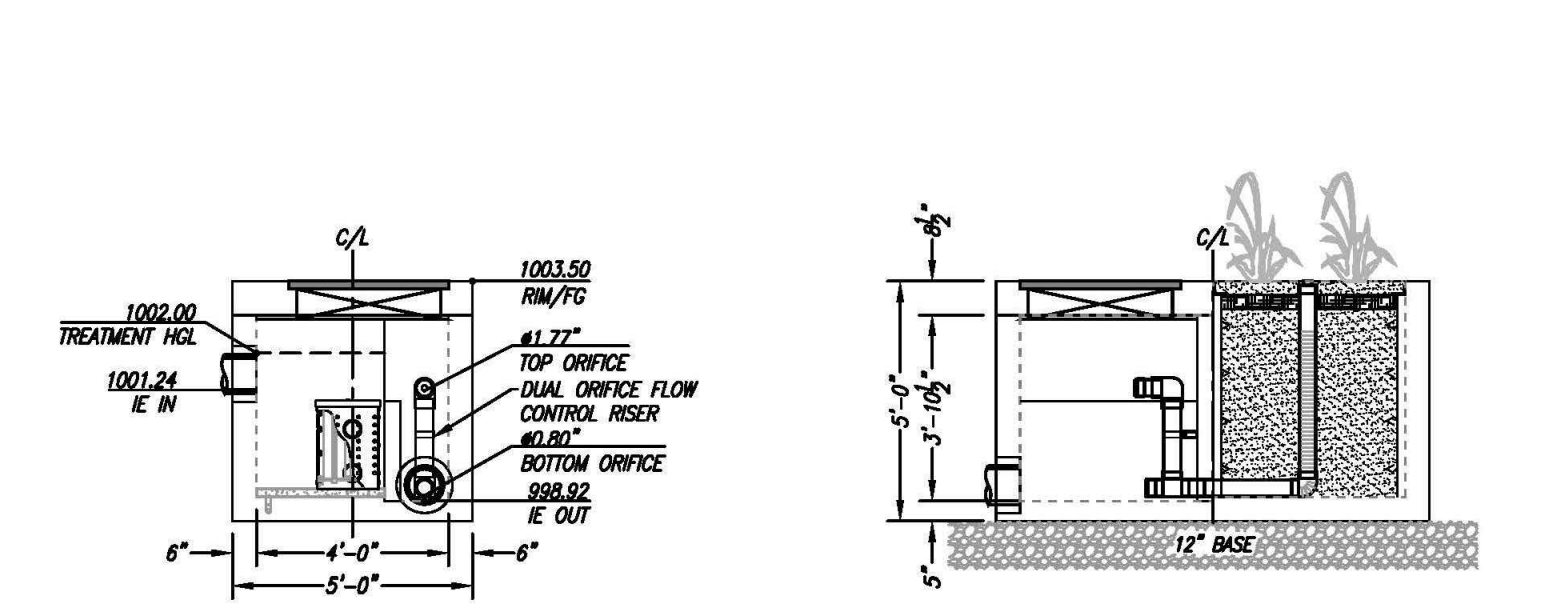
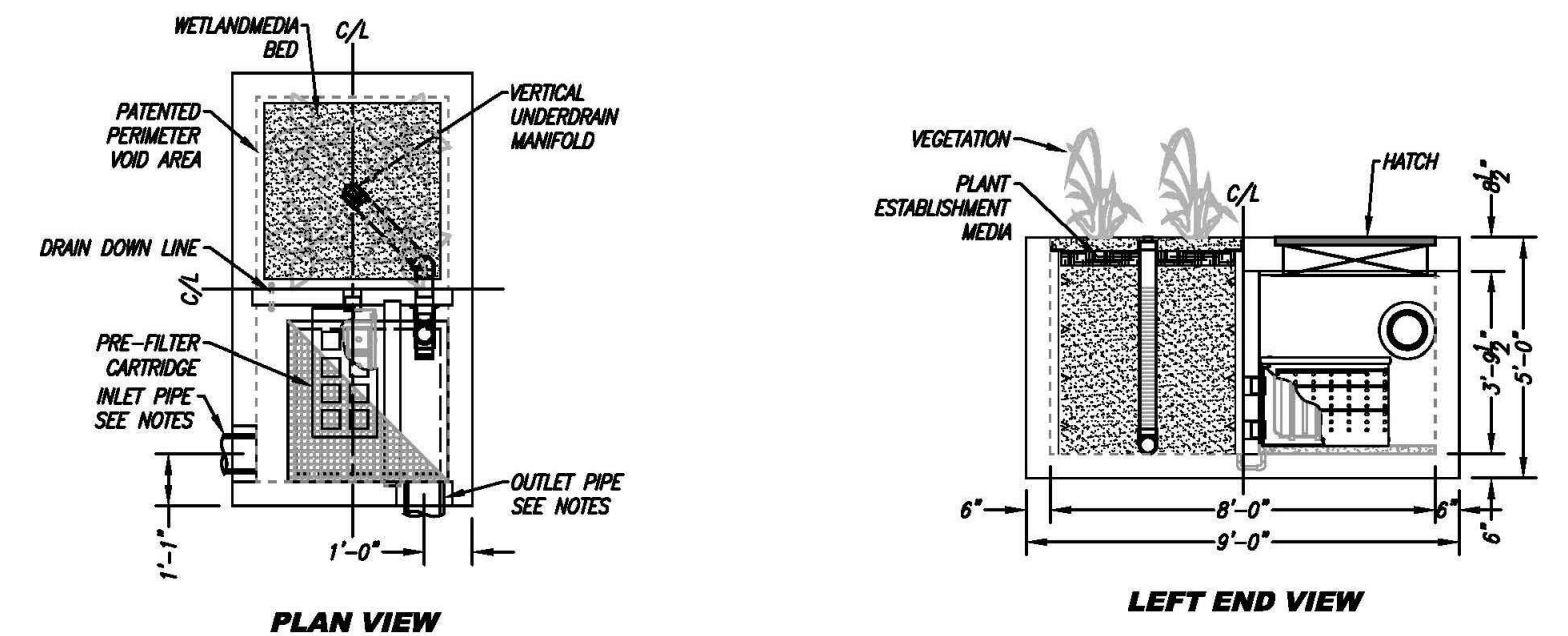
SPEC. NO.	WP19-11
PROJ. NO.	40540

OAK PARK GREEN STREETS URBAN RETROFIT
PHASE 2
MODULAR WETLAND VAULT DETAILS - II

SHEET	8
OF	11
DRAWING SET NO.	WPD-4-014

SITE SPECIFIC DATA		
PROJECT NUMBER	8243	
ORDER NUMBER	---	
PROJECT NAME	OAK PARK GREEN STREET PHASE 2	
PROJECT LOCATION	OAK PARK, CA	
STRUCTURE ID	SITE 20	
TREATMENT REQUIRED		
VOLUME BASED (CF)	FLOW BASED (CFS)	
N/A	0.101	
TREATMENT HGL AVAILABLE (FT)	3.0	
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE	DVERT	
PIPE DATA		
I.E.	MATERIAL	DIAMETER
INLET PIPE 1	1001.24	PVC 8"
INLET PIPE 2	N/A	N/A
OUTLET PIPE	998.92	PVC 8"
PRETREATMENT BIOFILTRATION DISCHARGE		
RIM ELEVATION	1003.50	1003.50 1003.50
SURFACE LOAD	PEDESTRIAN	OPEN PLANTER PEDESTRIAN
FRAME & COVER	36" X 36"	N/A
WETLANDMEDIA VOLUME (CY)	2.66	
ORIFICE SIZE (O.A. INCHES)	#0.80"/#1.77"	
NOTES:	DVERT TO OUTLET CATCH BASIN @ 1001.34 AND BYPASS @ 1002.00.	

- INSTALLATION NOTES**
- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
 - UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 12" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
 - CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATER TIGHT PER MANUFACTURER'S STANDARD CONNECTION DETAIL.
 - CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
 - VEGETATION SUPPLIED AND INSTALLED BY OTHERS. ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND INSTALLED BY OTHERS.
 - CONTRACTOR RESPONSIBLE FOR CONTACTING BIO CLEAN FOR ACTIVATION OF UNIT. MANUFACTURER'S WARRANTY IS VOID WITH OUT PROPER ACTIVATION BY A BIO CLEAN REPRESENTATIVE.
- GENERAL NOTES**
- MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
 - ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT BIO CLEAN.



NOTE: CONTRACTOR SHALL APPLY ANTI-SEIZE COMPOUND TO ALL BOLTS SECURING MANHOLES AND/OR HATCHES TO UNIT

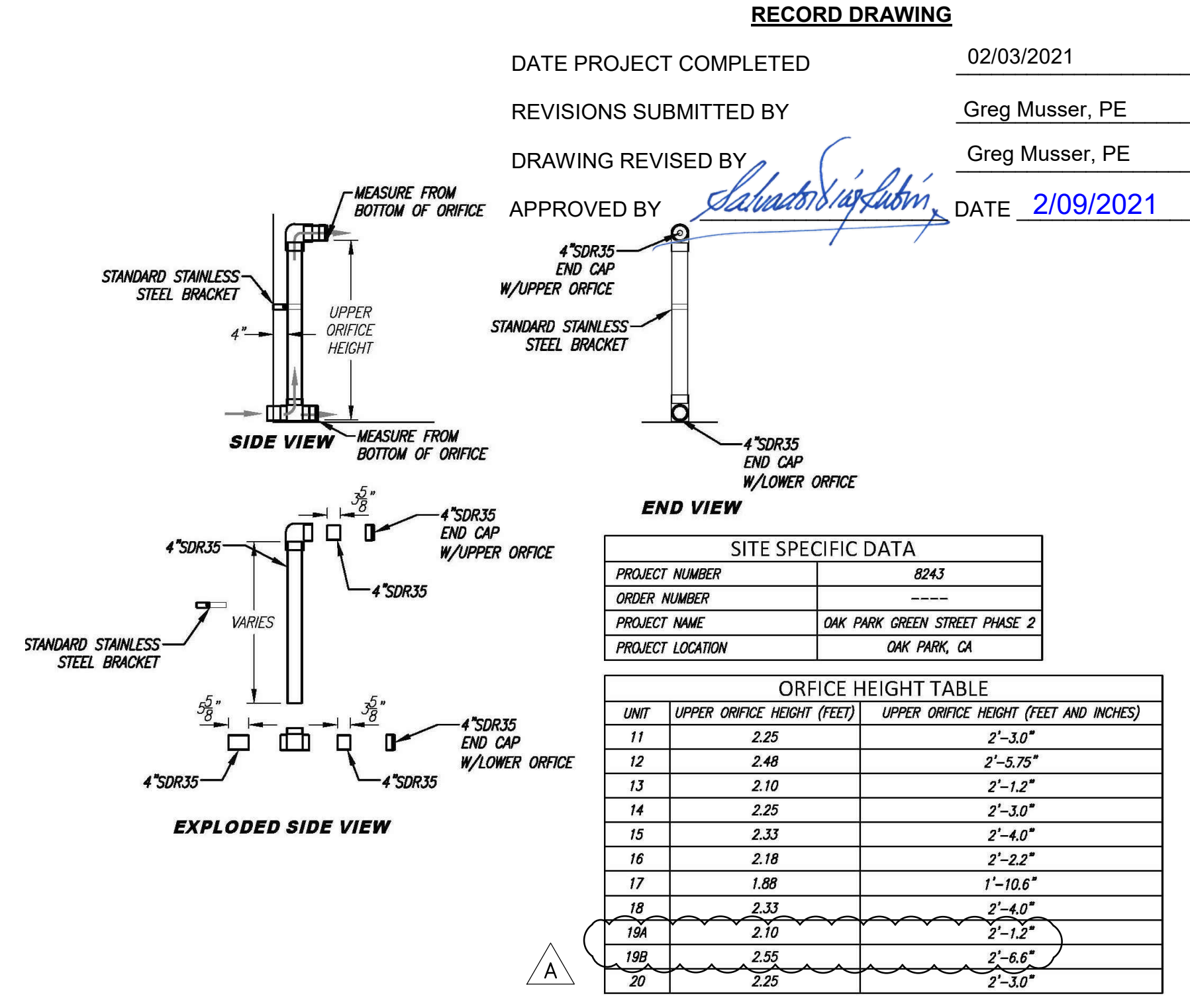
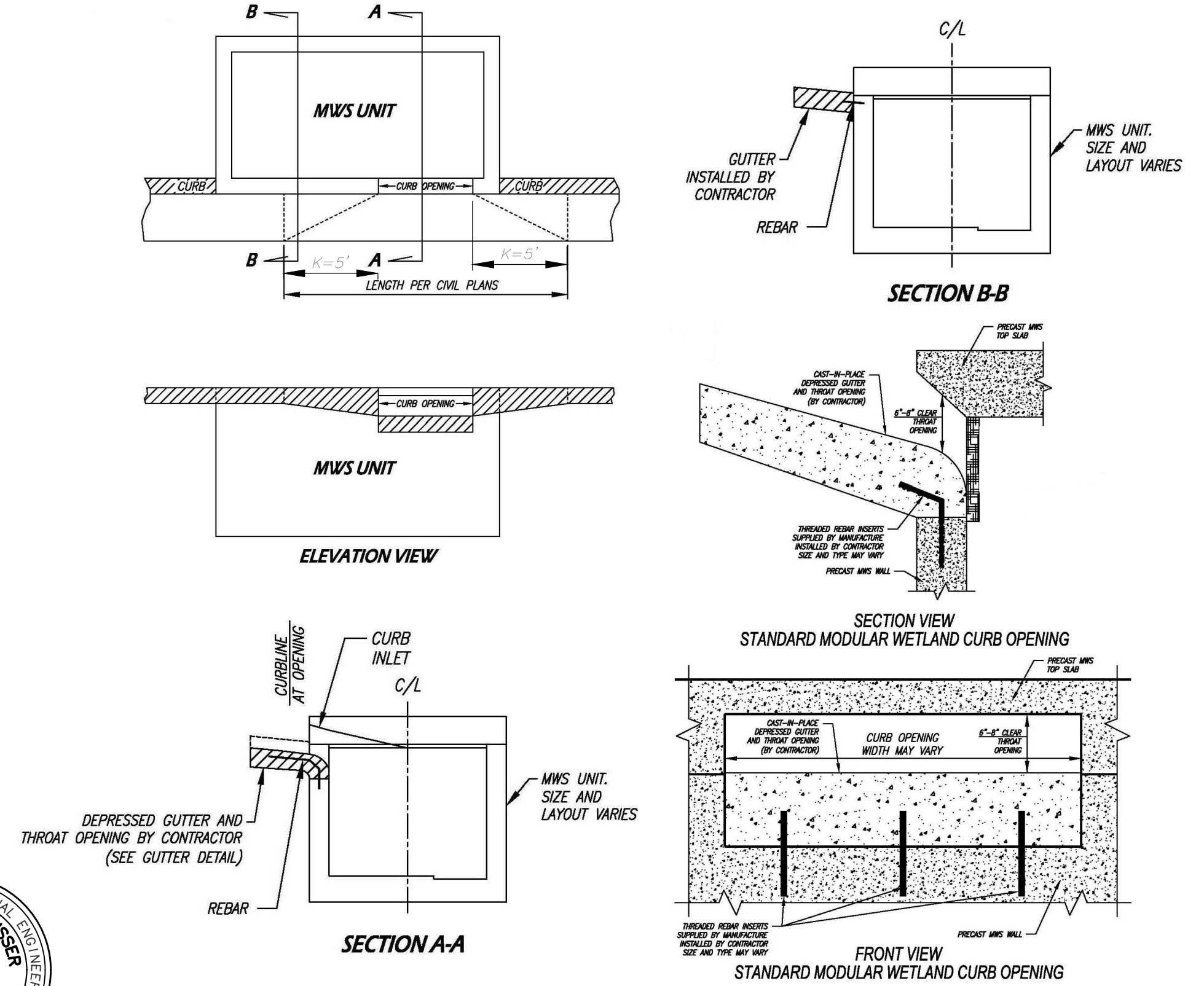
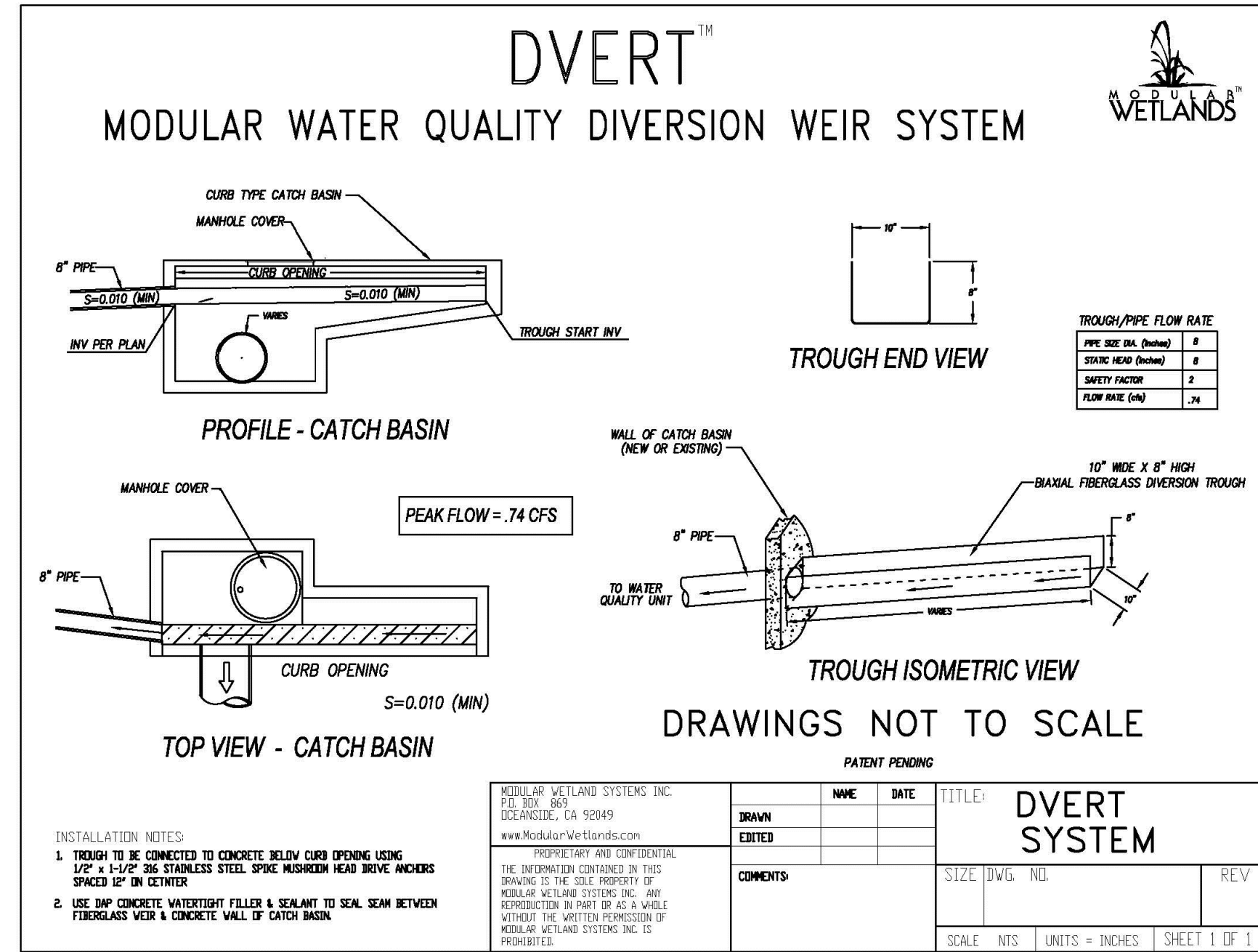
NOTE: ALL DRAIN DOWN BYPASS LINE(S) SHALL DISCHARGE INTO THE BIOFILTRATION CHAMBER.

TREATMENT FLOW (CFS)	0.101
OPERATING HEAD (FT)	3.0
PRETREATMENT LOADING RATE (GPM/SF)	1.8
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0

MWS-L-4-8-4'-6" V STORMWATER BIOFILTRATION SYSTEM STANDARD DETAIL

SITE 19 - 8'X16' VEGETATED LINEAR MODULAR WETLAND VAULT UNIT

SITE 20 - 4'X8' VEGETATED LINEAR MODULAR WETLAND VAULT UNIT



4/7/2020 1:21 PM

REVISION	DESCRIPTION	APP.	DATE
A	REVISE CONFIGURATION OF SITE 19		

ECG
Encore Consultant Group
333 N. LANTANA ST. SUITE 287, CARHARLEO, CA 93010
PHONE: 805.322.4443 WWW.ECGCIVIL.COM

GREGORY J. MUSSER
PROJECT ENGINEER
DATE: 77.627
R.C.E.
0011.02 04/07/2020
EGG W.O. PLAN DATE

GJM
DESIGNED
GJM
DRAWN
JDJ
CHECKED

DISTRICT PROJECT MANAGER	DATE
DISTRICT DEPUTY DIRECTOR	DATE
DISTRICT DIRECTOR	DATE

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

SPEC. NO.	WP19-11
PROJ. NO.	40540

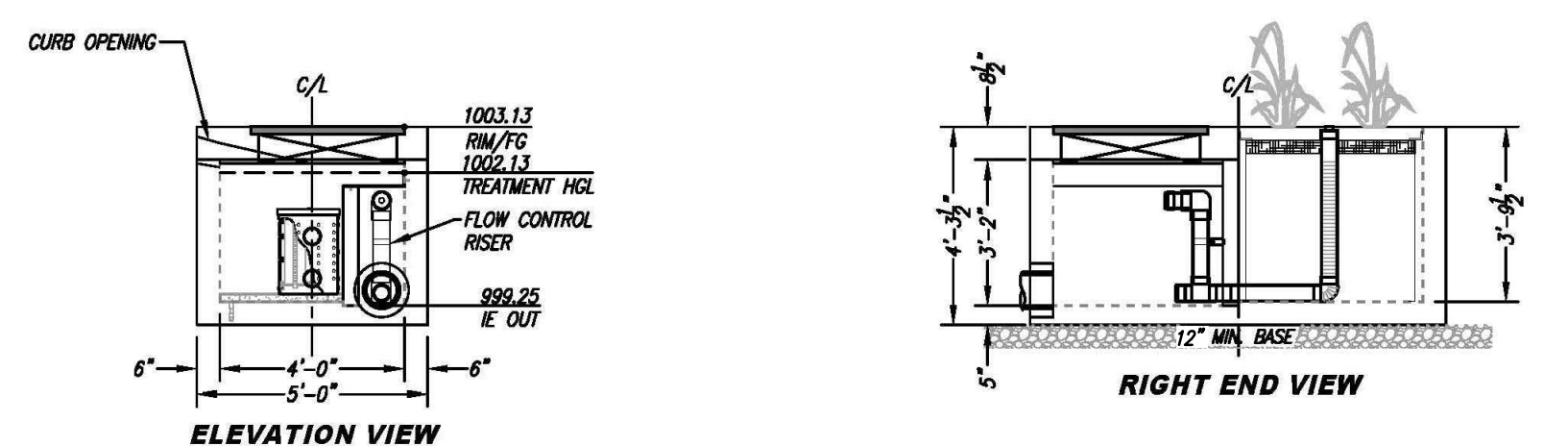
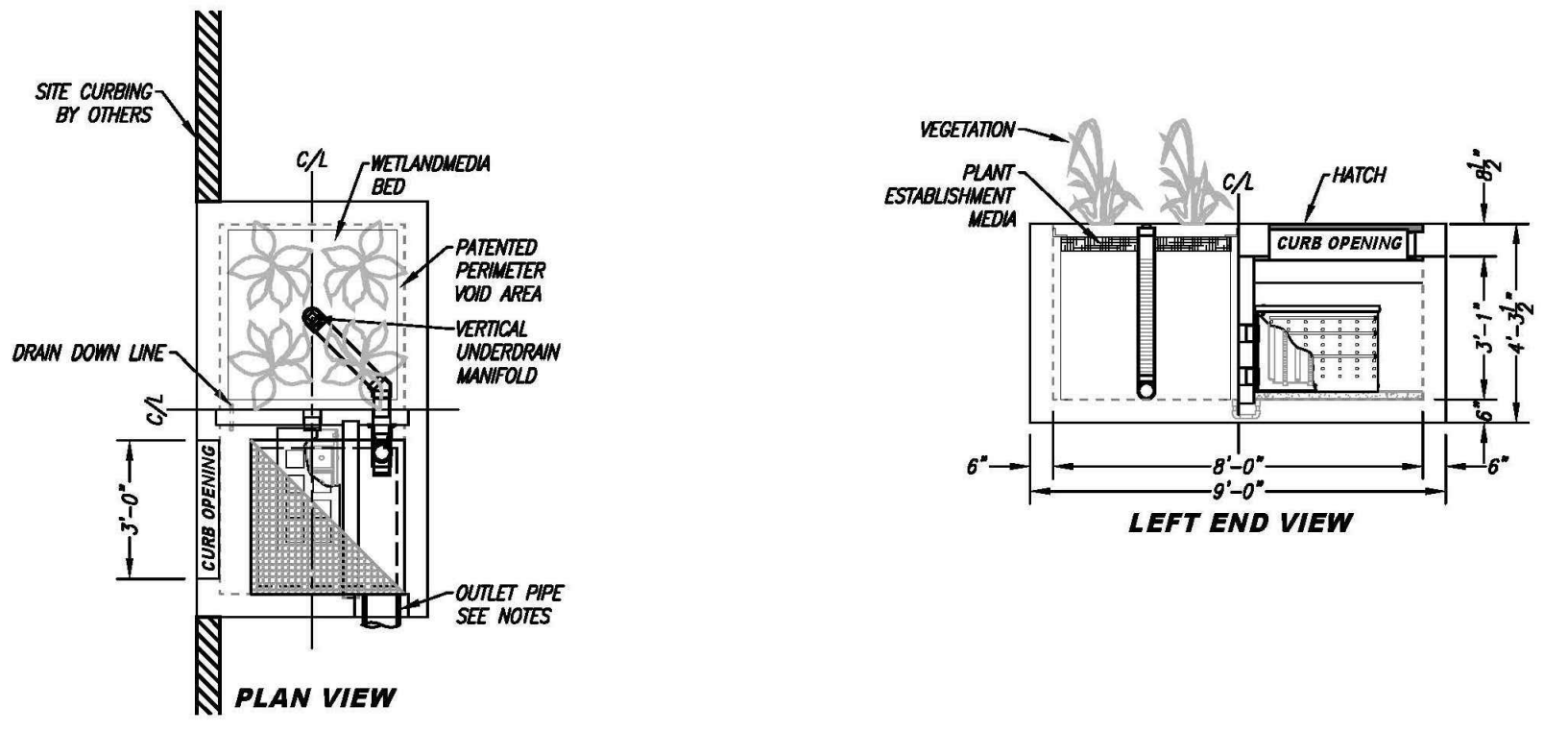
**OAK PARK GREEN STREETS URBAN RETROFIT
PHASE 2
MODULAR WETLAND VAULT DETAILS - III**

SHEET	9
OF	11
DRAWING SET NO.	WPD-4-014

SITE SPECIFIC DATA	
PROJECT NUMBER	8243
ORDER NUMBER	---
PROJECT NAME	OAK PARK GREEN STREET PHASE 2
PROJECT LOCATION	OAK PARK, CA
STRUCTURE ID	SITE 19, UNIT A
TREATMENT REQUIRED	
VOLUME BASED (CF)	FLOW BASED (CFS)
N/A	0.095
TREATMENT HGL AVAILABLE (FT)	2.8
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE	FLOW BY
PIPE DATA	I.E. MATERIAL DIAMETER
INLET PIPE 1	N/A N/A N/A
INLET PIPE 2	N/A N/A N/A
OUTLET PIPE	999.25 PVC 8"
PRE-TREATMENT	
PRE-TREATMENT	BIOFILTRATION DISCHARGE
RIM ELEVATION	1003.13 1003.13 1003.13
SURFACE LOAD	PEDESTRIAN N/A PEDESTRIAN
FRAME & COVER	36" X 36" OPEN PLANTER N/A
WETLANDMEDIA VOLUME (CY)	1.93
ORIFICE SIZE (DIA. INCHES)	#0.79/#1.79"

- INSTALLATION NOTES**
- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
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 - CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.
 - VEGETATION SUPPLIED AND INSTALLED BY OTHERS. ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND INSTALLED BY OTHERS.
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TREATMENT FLOW (CFS)	0.095
OPERATING HEAD (FT)	2.8
PRE-TREATMENT LOADING RATE (GPM/SF)	1.7
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0

NOTE: CONTRACTOR SHALL APPLY ANTI-SEIZE COMPOUND TO ALL BOLTS SECURING MANHOLES AND/OR HATCHES TO UNIT

NOTE: ALL DRAIN DOWN BYPASS LINE(S) SHALL DISCHARGE INTO THE BIOFILTRATION CHAMBER.

MWS-L-4-8-3'-9.5"-C
 STORMWATER BIOFILTRATION SYSTEM
 STANDARD DETAIL

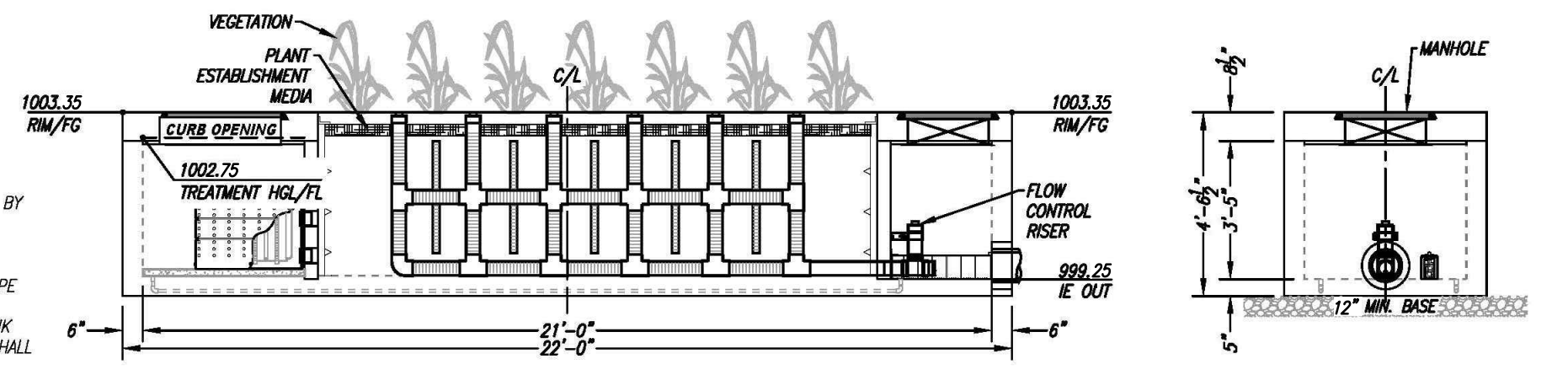
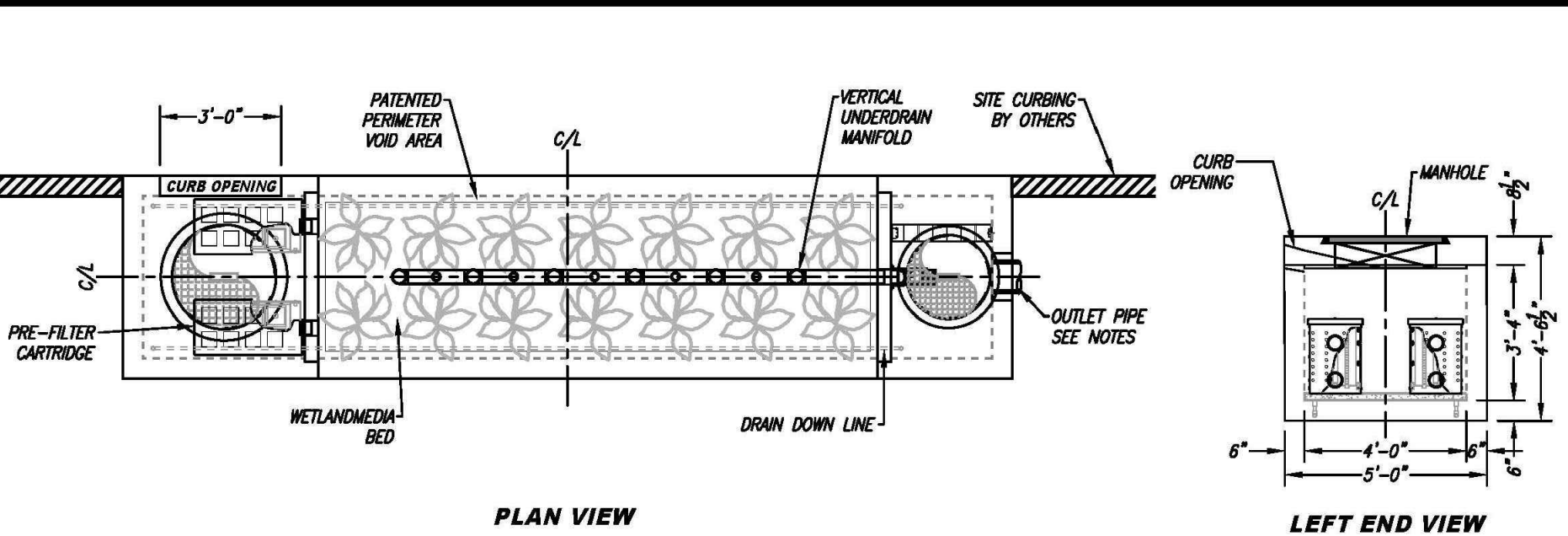
SITE 19A - 4'x8' VEGETATED LINEAR MODULAR WETLAND CURB UNIT

K-1 21 23

SITE SPECIFIC DATA	
PROJECT NUMBER	8243
PROJECT NAME	OAK PARK GREEN STREET PHASE 2
PROJECT LOCATION	OAK PARK, CA
STRUCTURE ID	SITE 19, UNIT B
TREATMENT REQUIRED	
VOLUME BASED (CF)	FLOW BASED (CFS)
N/A	0.268
TREATMENT HGL AVAILABLE (FT)	N/A
PEAK BYPASS REQUIRED (CFS) - IF APPLICABLE	FLOW BY
PIPE DATA	I.E. MATERIAL DIAMETER
INLET PIPE 1	N/A N/A N/A
INLET PIPE 2	N/A N/A N/A
OUTLET PIPE	999.25 PVC 8"
PRE-TREATMENT	
PRE-TREATMENT	BIOFILTRATION DISCHARGE
RIM ELEVATION	SEE PLAN VIEW
SURFACE LOAD	PEDESTRIAN OPEN PLANTER PEDESTRIAN
FRAME & COVER	#30" N/A #24"
WETLANDMEDIA VOLUME (CY)	7.50
ORIFICE SIZE (DIA. INCHES)	#1.26/#2.06"

- INSTALLATION NOTES**
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TREATMENT FLOW (CFS)	0.268
OPERATING HEAD (FT)	3.4
PRE-TREATMENT LOADING RATE (GPM/SF)	2.3
WETLAND MEDIA LOADING RATE (GPM/SF)	1.0

NOTE: CONTRACTOR SHALL APPLY ANTI-SEIZE COMPOUND TO ALL BOLTS SECURING MANHOLES AND/OR HATCHES TO UNIT

NOTE: ALL DRAIN DOWN BYPASS LINE(S) SHALL DISCHARGE INTO THE BIOFILTRATION CHAMBER.

MWS-L-4-21-4'-0.5"-C
 STORMWATER BIOFILTRATION SYSTEM
 STANDARD DETAIL

SITE 19B - 4'x21' VEGETATED LINEAR MODULAR WETLAND CURB UNIT

K-2 20 23

RECORD DRAWING

DATE PROJECT COMPLETED: 02/03/2021

REVISIONS SUBMITTED BY: Greg Musser, PE

DRAWING REVISED BY: Greg Musser, PE

APPROVED BY: *Gregory J. Musser* DATE: 2/09/2021



SAVE DATE: 3/9/20 GREGM N:\projects\0011\engineering\acad\improvements\PH2\0011.02_MODWETL_DET.DWG

REVISION	DESCRIPTION	APP.	DATE
A	REVISE CONFIGURATION OF SITE 19		



GREGORY J. MUSSER
PROJECT ENGINEER
DATE: 04/07/2020
R.C.E.: 77,627
EGG W.O. PLAN DATE

DISTRICT PROJECT MANAGER	DATE
GJM	DESIGNED
GJM	DRAWN
JDJ	CHECKED
	DISTRICT DEPUTY DIRECTOR
	DISTRICT DIRECTOR

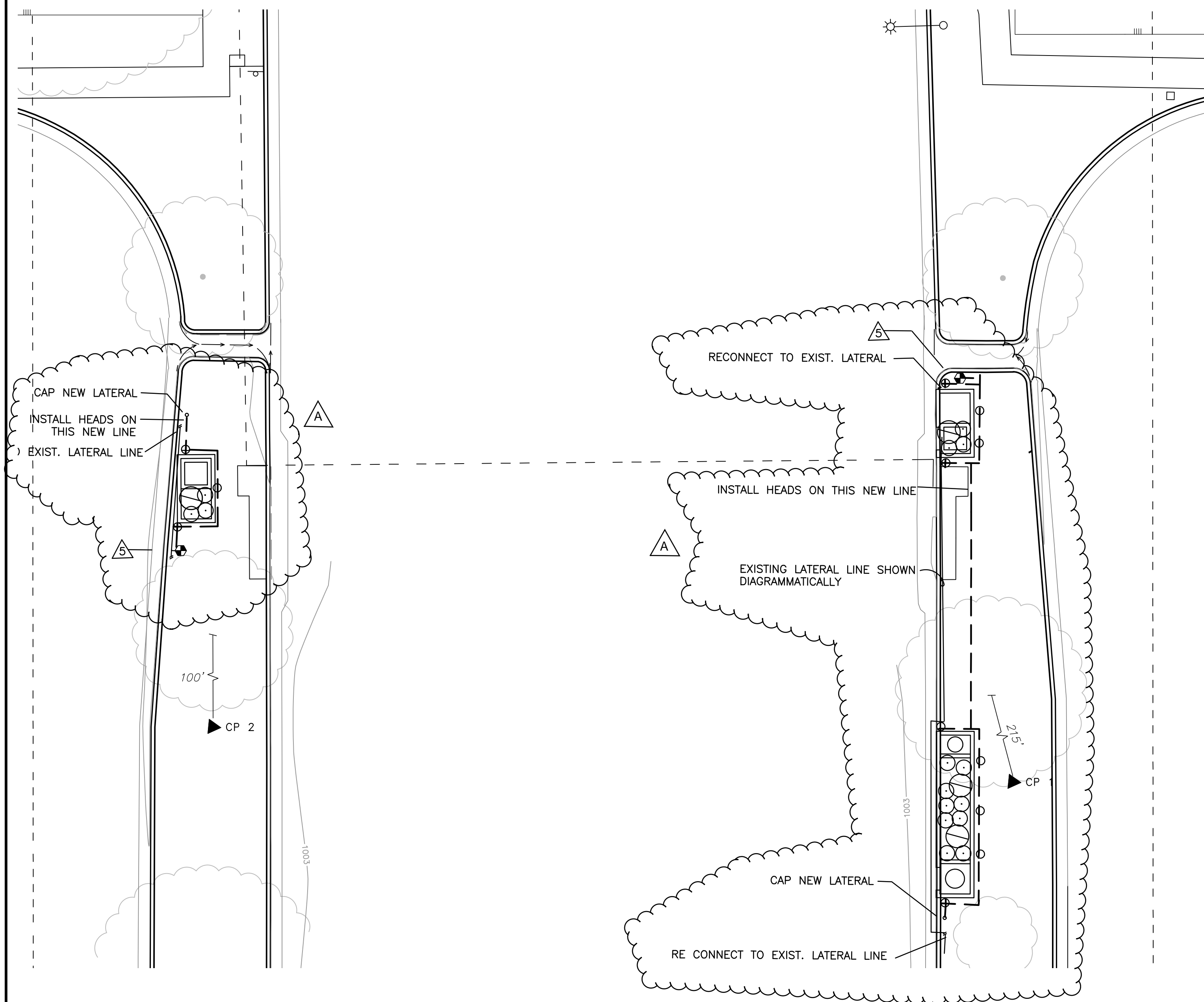
**COUNTY OF VENTURA
PUBLIC WORKS AGENCY
WATERSHED PROTECTION DISTRICT**

SPEC. NO.
WP19-11
PROJ. NO.
40540

**OAK PARK GREEN STREETS URBAN RETROFIT
PHASE 2
MODULAR WETLAND VAULT DETAILS - IV**

SHEET 9A
OF 11
DRAWING SET NO.
WPD-4-014

4/7/2020 1:24 PM



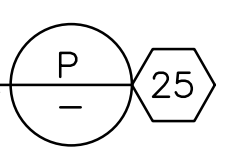
IRRIGATION LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / REMARKS
---	BURIED PVC LATERAL	PACIFIC PLASTICS	CLASS 200 PVC - 12" BELOW GRADE INSTALL HEADS ON THIS NEW LINE
---	BURIED PVC LATERAL	EXSTG.	REMOVE AND RE-INSTALL WITH OUT HEADS RE CONNECT TO EXSTG. LATERAL LINE
⊕	BALL VALVE	SPEARS	TRU-UNION SERIES - LINE SIZE - SCH. 80 PVC - IN A ROUND VALVE BOX
⊖	EXSTG. HEADS	UNKNOWN	REMOVE AND RE INSTALL AFTER CONSTRUCTION COMPLETE
○	P.V.C. CAP ON NEW LINE	PACIFIC PLASTICS	CAP ON NEW P.V.C. LINE.

NOTES

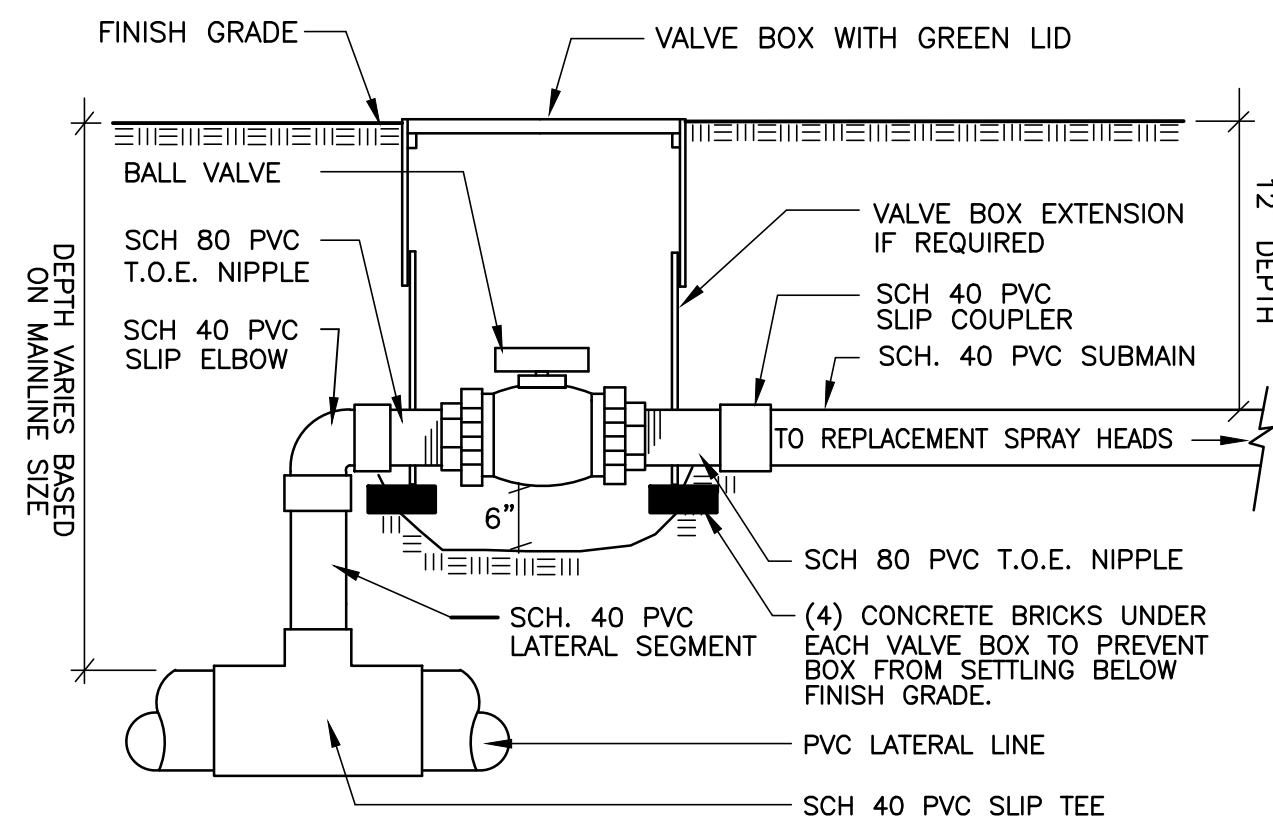
1. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY TRENCH SETTLING OR IRRIGATION HEAD SETTLING. ALL TRENCHES WILL BE BACK FILLED WITH CLEAN SOIL, COMPACTED AND REPLANTED WITH APPROVED SHRUB OR GROUND COVER TO MATCH EXISTING PLANTING. ALL HEADS THAT SETTLE WILL BE RAISED TO 1/2" ABOVE FINISH GRADE. PROVIDE ADDITIONAL SOIL AS NECESSARY AND HAND TAMP AROUND HEAD TO PREVENT FUTURE SETTLING. PROVIDE NEW SEED OR PLANT MATERIAL AS NEEDED TO COMPLETE REPAIR.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SLEEVING INSTALLED UNDER ALL PAVED SURFACES. PROVIDE SEPARATE INDIVIDUAL SLEEVES FOR MAINLINE, LATERALS, AND REMOTE CONTROL VALVE WIRES. LATERAL SLEEVING SHALL BE SIZED (3) PIPE SIZES LARGER THAN THE LATERAL PIPE TO BE SLEEVED.
3. THE IRRIGATION SYSTEM IS SHOWN DIAGMATICALLY. INSTALL ALL IRRIGATION EQUIPMENT WITHIN LANDSCAPE PLANTERS WHENEVER POSSIBLE.
4. UTILITIES MAY HAVE BEEN OMITTED ON THE IRRIGATION SHEETS. REVIEW CIVIL ENGINEER'S DRAWINGS AND EXERCISE CARE IN EXCAVATION WHILE PROTECTING EXISTING UTILITIES
5. CONTRACTOR SHALL REMOVE EXISTING LATERAL LINE AND HEADS, RETAIN HEADS TO RE INSTALL ON NEW LATERAL LINE. INSTALL 2 NEW BALL VALVES PER LEGEND ON EXISTING LATERAL AND ATTACH NEW LATERALS AND HEADS TO NEW BALL VALVE. RE-INSTALL EXISTING LATERAL LINE TO MAINTAIN WATER FLOW TO DOWN STREAM HEADS.
6. BALL VALVE SHALL BE INSTALLED IN 10" WIDE STANDARD RECTANGULAR VALVE BOXES WITH LOCKING GREEN COLORED LID.

IRRIGATION PLAN - SITES 19 & 20

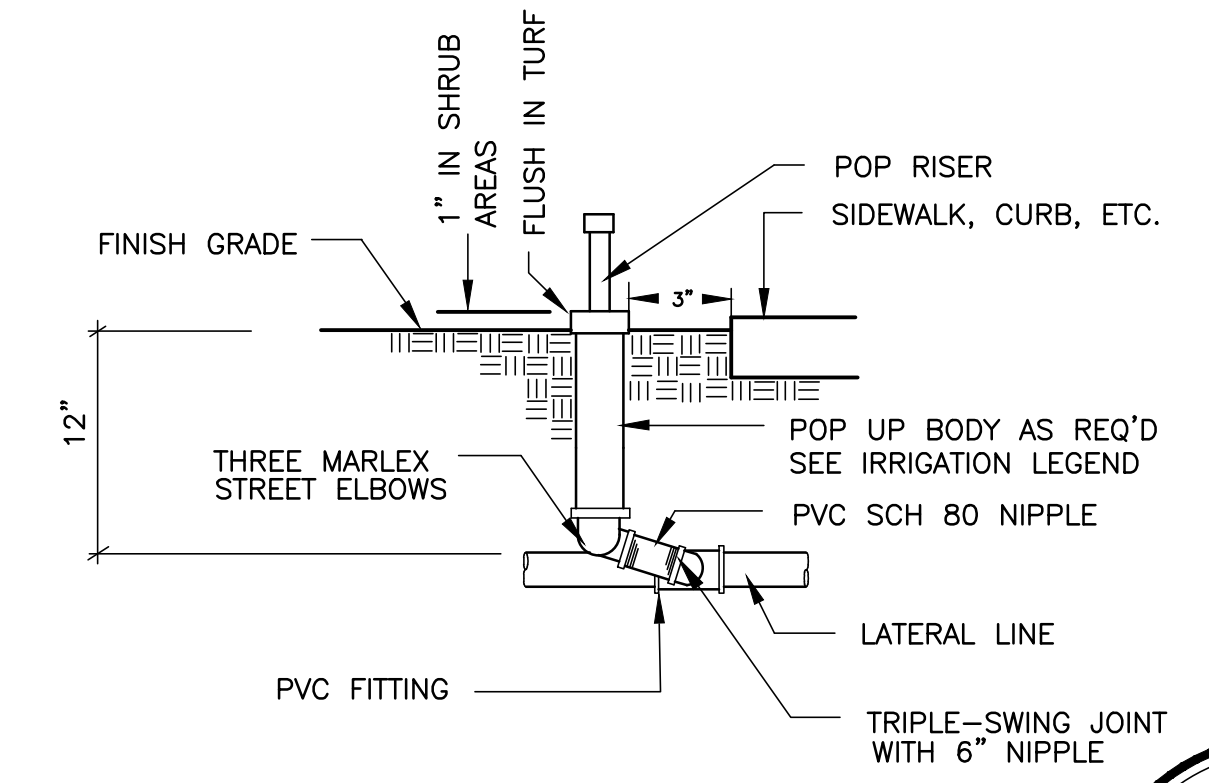
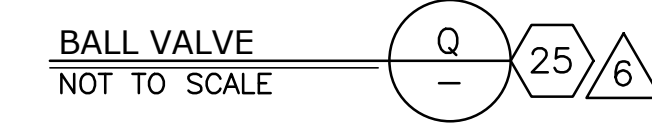


RECORD DRAWING

DATE PROJECT COMPLETED 02/03/2021
 REVISIONS SUBMITTED BY Mike Gilbert, PLA
 DRAWING REVISED BY Mike Gilbert, PLA
 APPROVED BY Salvador S. Sabin DATE 2/09/2021



NOTE: CONTRACTOR SHALL BRAND INTO VALVE BOX LID IN 1" TALL LETTERS, "BV"



4/17/2020 11:20 AM

SAVE DATE: 4/17/20 MIKE P:\public\Autocad Files\2019 PROJECTS\Ventura County - Public Works\19.05 Oak Park Modular Wetlands\19.05 L1.1 IRRIGATION.dwg

REVISION	DESCRIPTION	APP.	DATE
A	REVISED IRRIGATION SYSTEM CONFIGURATION		

JORDAN, GILBERT & BAIN
 LANDSCAPE ARCHITECTS, INC.
 459 NORTH VENTURA AVE., VENTURA CA 93001
 (805) 642-3841 FAX (805) 653-7874
 Jordan, Gilbert & Bain Landscape Architects, Inc. © 2019

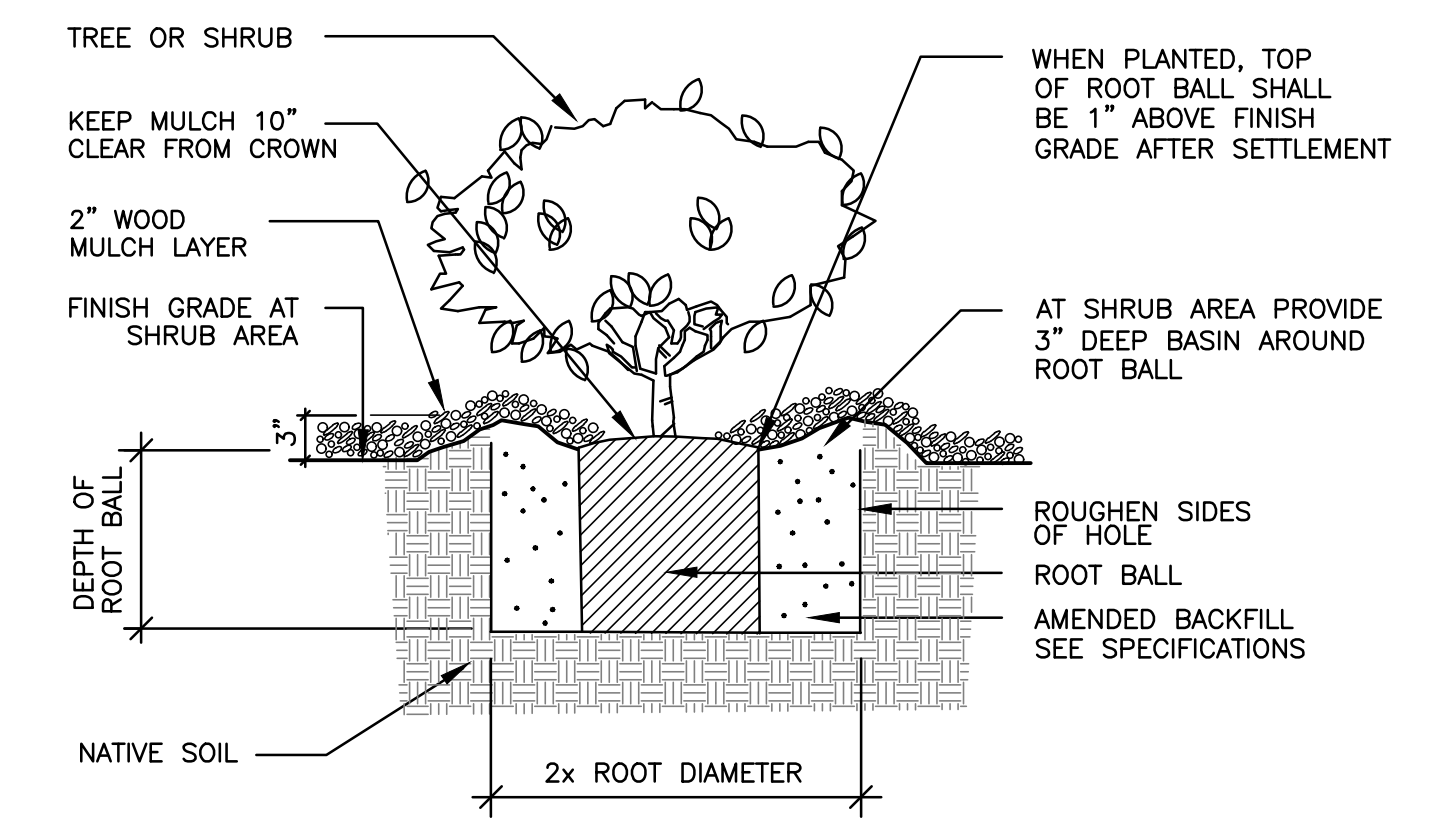
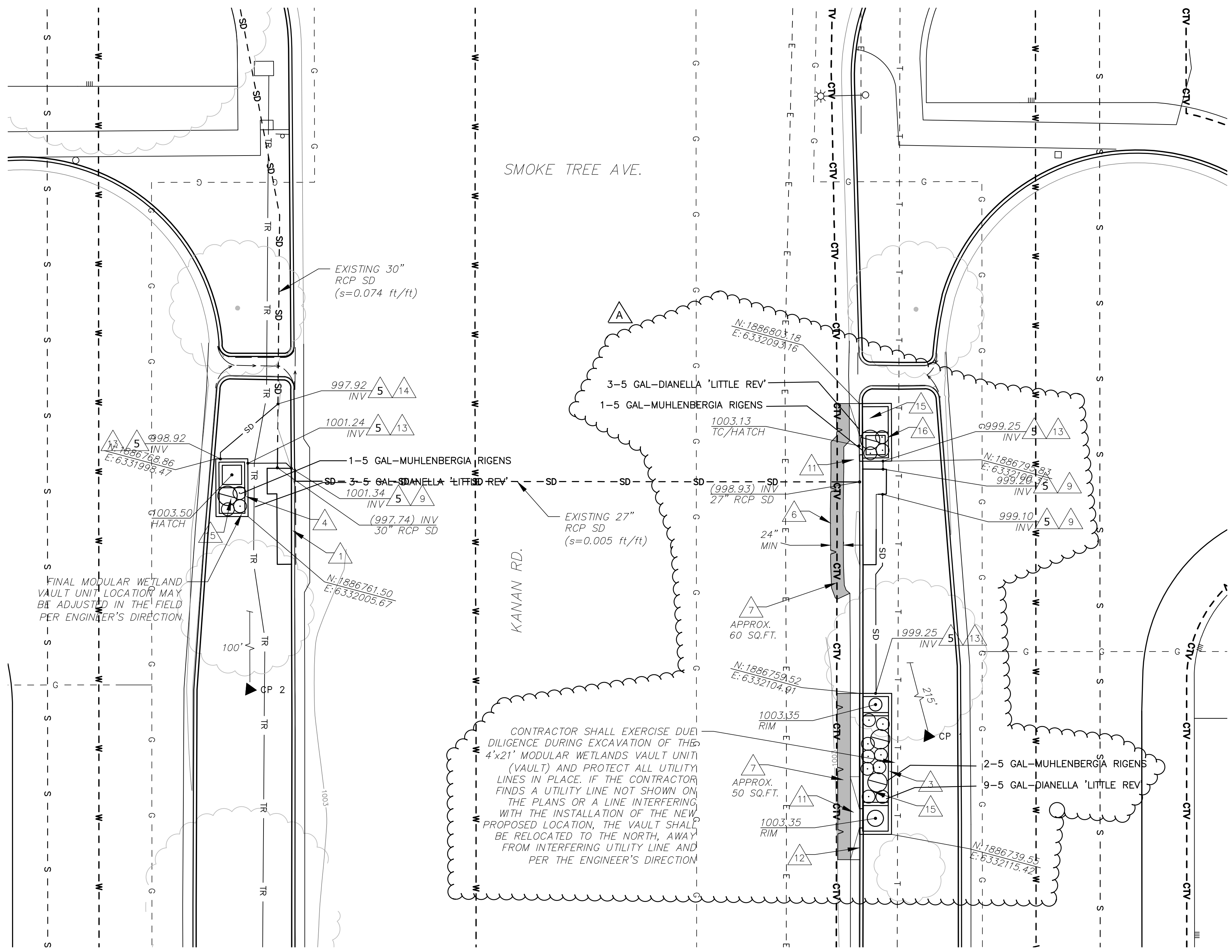
MK DESIGNED	PROJECT MANAGER	DATE
MK DRAWN	DEPUTY DIRECTOR	DATE
M/G CHECKED	DISTRICT DIRECTOR	DATE

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

SPEC. NO.
 WP19-11
 PROJ. NO.
 40540

**OAK PARK GREEN STREETS URBAN RETROFIT
 PHASE 2**
 IRRIGATION PLAN - SITES 19 & 20

SHEET 10
 OF 11
 DRAWING NO.



SHRUB PLANTING DETAIL
NOT TO SCALE

RECORD DRAWING

DATE PROJECT COMPLETED 02/03/2021

REVISIONS SUBMITTED BY Greg Musser, PE

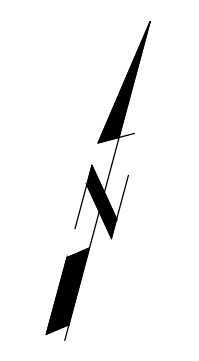
DRAWING REVISED BY Greg Musser, PE

APPROVED BY *Greg Musser* DATE 2/09/2021

PLANTING PLAN - SITES 19 & 20



S 26



4/17/2020 11:23 AM

SAVE DATE: 4/16/20 CHANDLER P:\public\Autocad Files\2019 PROJECTS\Ventura County - Public Works\19.05 Oak Park Modular Wetlands\19.05 L2.1 PLANTING.dwg

D				
C				
B				
A	REVISED LANDSCAPE CONFIGURATION			
Δ	REVISION DESCRIPTION	APP.	DATE	



GREGORY J. MUSSER
PROJECT ENGINEER
DATE: 7.7.2027
R.C.E.
0011.02 10/31/2019
ECG W.O. PLAN DATE

GJM DESIGNED
GJM DRAWN
JDJ CHECKED

DISTRICT PROJECT MANAGER	DATE
DISTRICT DEPUTY DIRECTOR	DATE
DISTRICT DIRECTOR	DATE

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

SPEC. NO. WP19-11
PROJ. NO. 40540

**OAK PARK GREEN STREETS URBAN RETROFIT
PHASE 2**
PLANTING PLAN - SITES 19 & 20

SHEET 11 OF 11
DRAWING SET NO.