Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			77	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — F.JOSE SILVA — No. 55267 — Exp. 9/30/18 — CIVIL — STATE OF CALIFORNIA

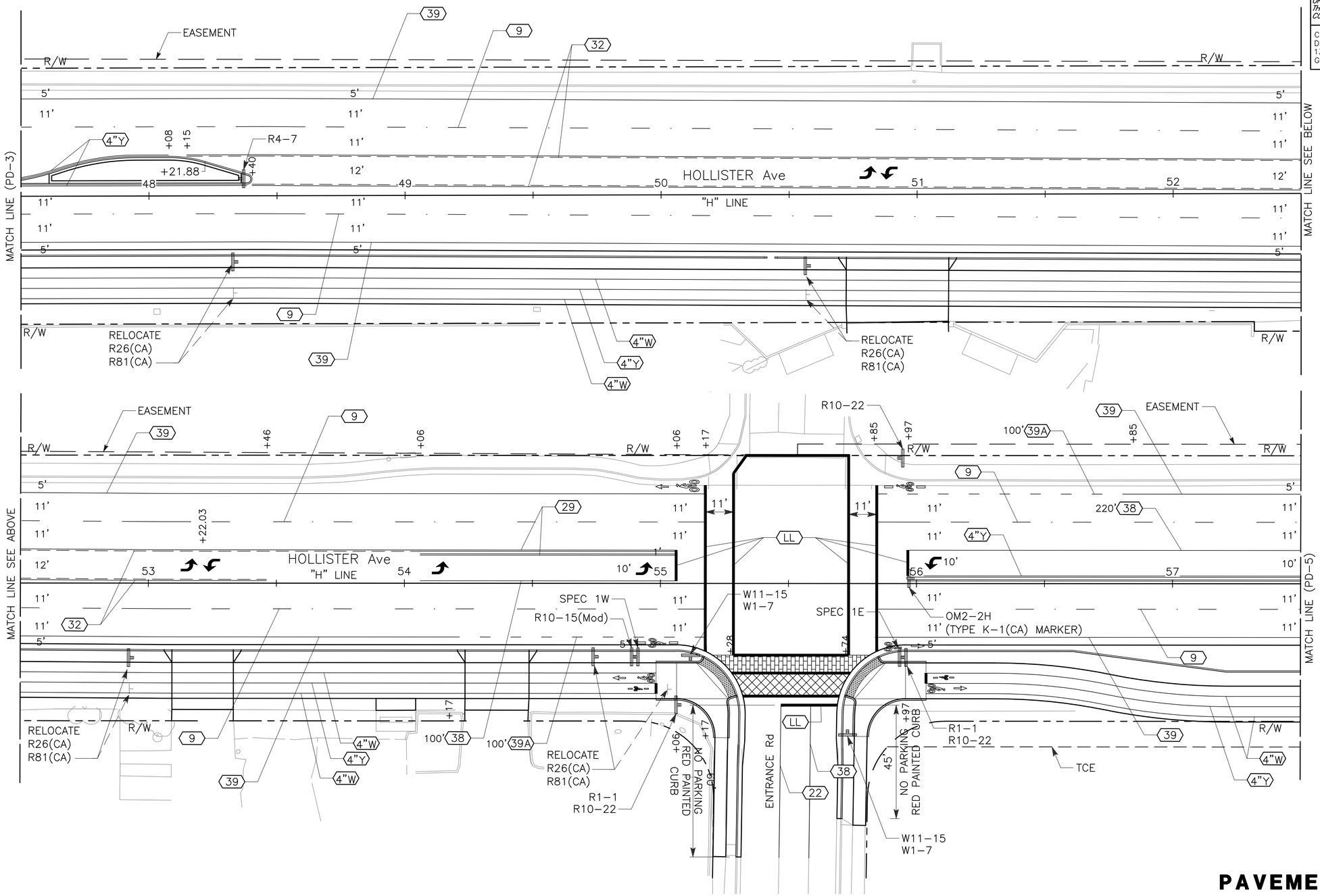
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

DRAKE HAGLAN AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

NOTES:

1. SEE SHEET PD-1 FOR NOTES.
2. RELOCATE EXISITNG G1-7(CA) SIGN AT ENTRANCE ROAD ON NEW SIGNAL POLE AND MAST ARM (SEE SHEET E-7)



PAVEMENT DELINEATION AND SIGN PLAN

SCALE 1"=20'

PD-4

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

REVISED BY	DATE REVISED
C.SALILICAN	A. CASTLE-KEANE
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	
JOSE SILVA	
CITY OF GOLETA - DEPARTMENT OF PUBLIC WORKS	

U:\16020 - Hollister Class 1 Bike-Ped Path Imp. - Goleta\400 Project Design Files\420 Roadway & Civil\Submittal Final\Plans\HA-R-PD.dwg, 12/19/2016 6:18 PM,

LAST REVISION — DATE PLOTTED => Dec 19, 2016

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			78	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER F.JOSE SILVA No. 55267 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

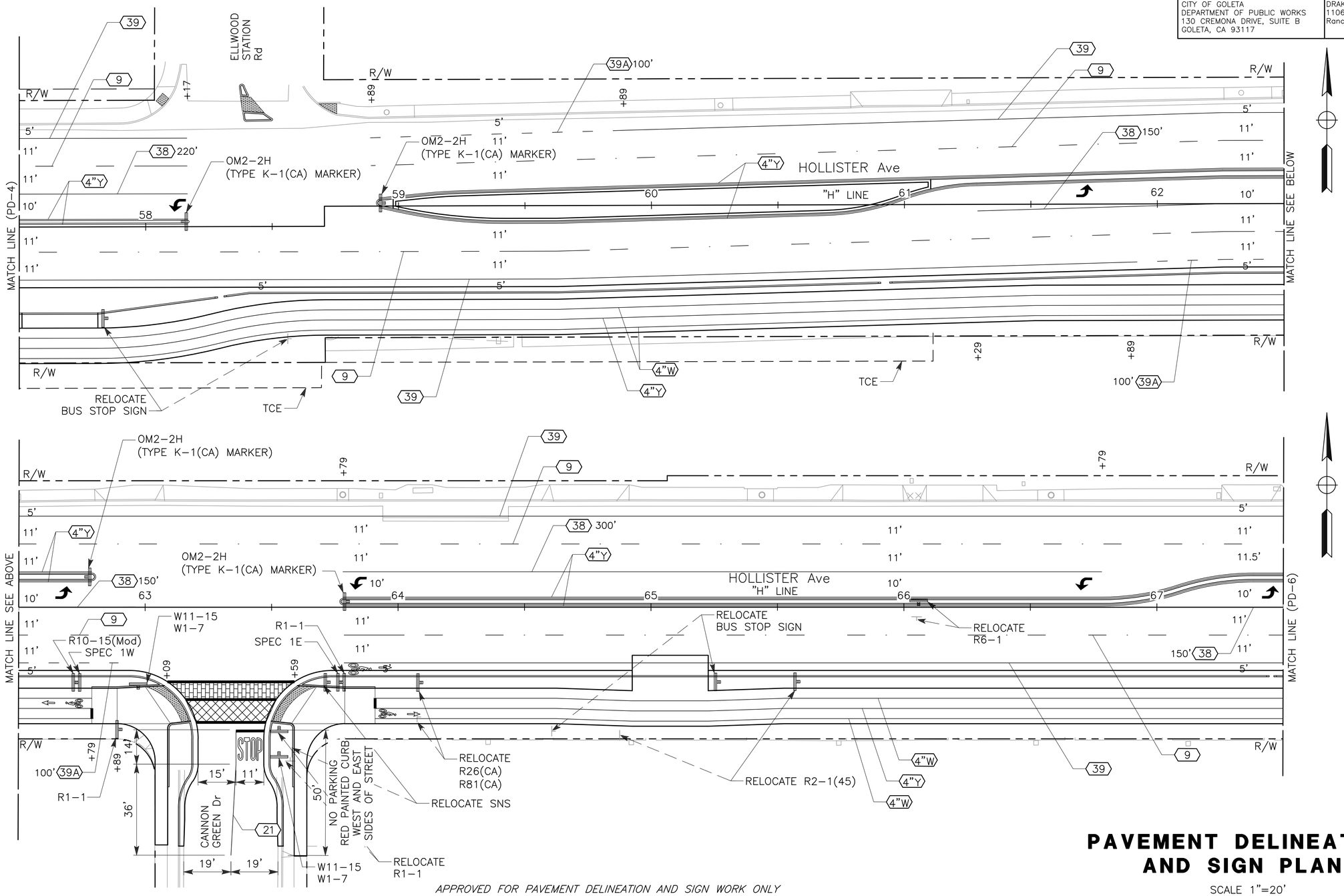
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

DRAKE HAGLAN AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

NOTE:

1. SEE SHEET PD-1 FOR NOTES.



PAVEMENT DELINEATION AND SIGN PLAN

SCALE 1"=20'

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PD-5

REVISED BY	DATE REVISED
C.SALILICAN	A. CASTLE-KEANE
CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	
JOSE SILVA	

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

U:\16020 – Hollister Class 1 Bike-Ped Path Imp. – Goleta\400 Project Design Files\420 Roadway & Civil\Submittal Final\Plans\HA-R-PD.dwg, 12/19/2016 6:19 PM,

LAST REVISION DATE PLOTTED => Dec 19, 2016

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			79	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER F.JOSE SILVA No. 55267 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

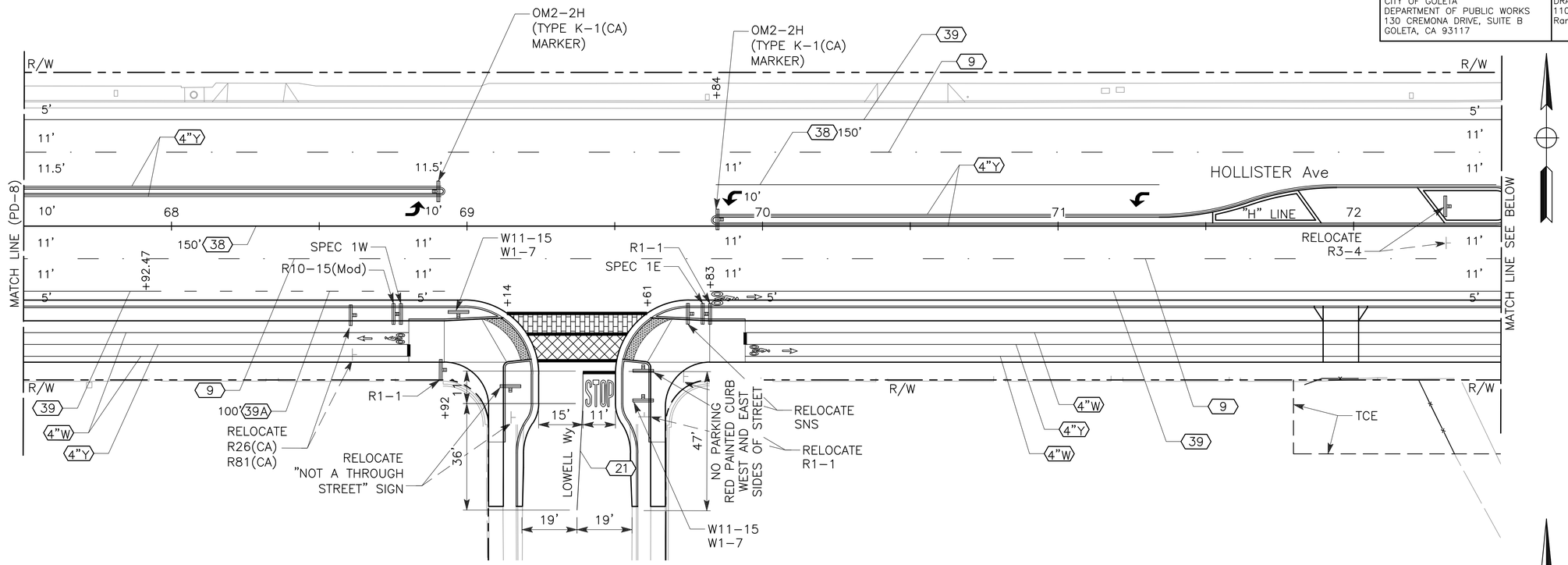
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

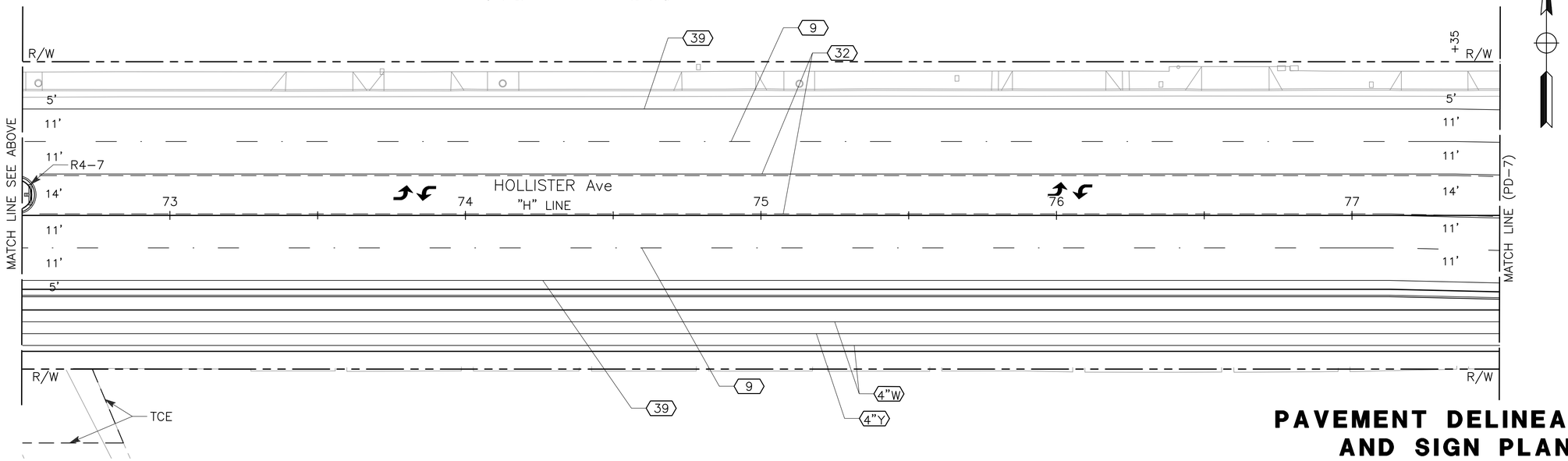
CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

DRAKE HAGLAN AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

NOTE:

1. SEE SHEET PD-1 FOR NOTES.





PAVEMENT DELINEATION AND SIGN PLAN

SCALE 1"=20'

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

PD-6

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
C.SALILICAN	A. CASTLE-KEANE

SUPERVISOR	CONSULTANT FUNCTIONAL SUPERVISOR
JOSE SILVA	

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

U:\16020 – Hollister Class 1 Bike-Ped Path Imp. – Goleta\400 Project Design Files\420 Roadway & Civil\Submittal Final\Plans\HA-R-PD.dwg, 12/19/2016 6:19 PM,

LAST REVISION | DATE PLOTTED => Dec 19, 2016

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			80	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER F.JOSE SILVA No. 55267 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

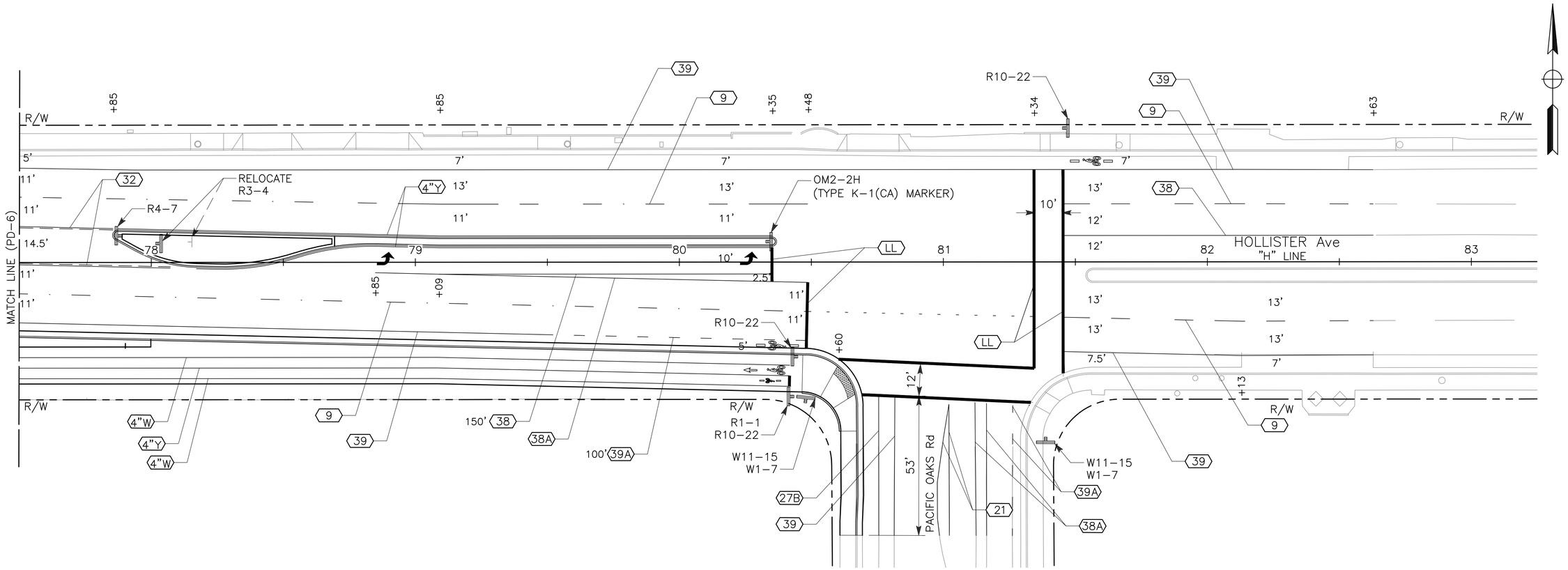
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

DRAKE HAGLAN AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

NOTE:

1. SEE SHEET PD-1 FOR NOTES.



PAVEMENT DELINEATION AND SIGN PLAN

SCALE 1"=20'

PD-7

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: C.SALILICAN
CHECKED BY: A. CASTLE-KEANE
CONSULTANT FUNCTIONAL SUPERVISOR: JOSE SILVA
CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

U:\16020 – Hollister Class 1 Bike-Ped Path Imp. – Goleta\400 Project Design Files\420 Roadway & Civil\Submittal Final\Plans\HA-R-PD.dwg, 12/19/2016 6:19 PM,

LAST REVISION | DATE PLOTTED => Dec 19, 2016

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			81	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

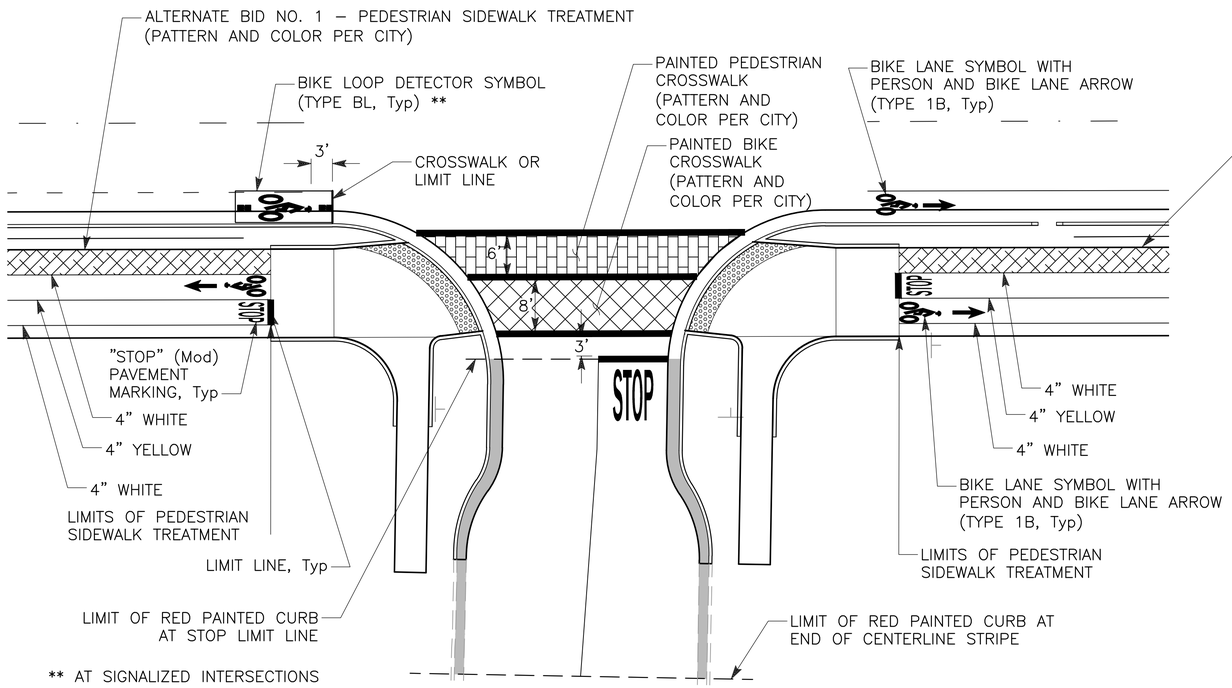
PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER F.JOSE SILVA No. 55267 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

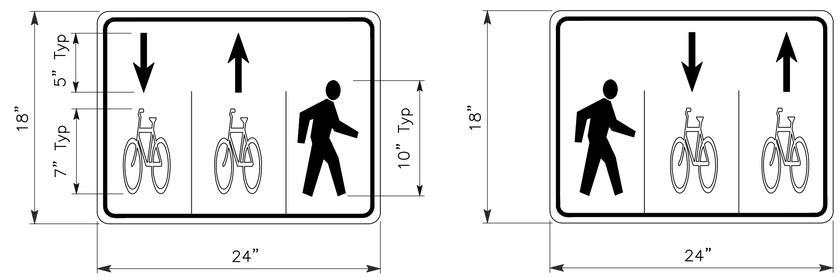
CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

DRAKE HAGLAN AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670



PAVEMENT MARKINGS AT INTERSECTION, Typ

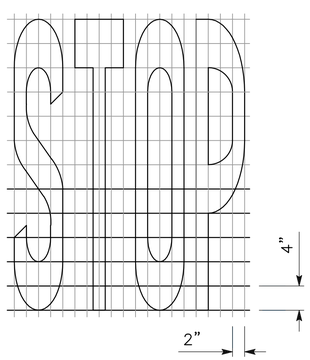
NO SCALE



SPEC 1W SPEC 1E

SPECIAL SIGN

NO SCALE



"STOP" (Mod) PAVEMENT MARKING

NO SCALE

PAVEMENT DELINEATION AND SIGN DETAILS

SCALE 1"=20'

PDD-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
C.SALILICAN	A. CASTLE-KEANE

CONSULTANT FUNCTIONAL SUPERVISOR: JOSE SILVA

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

U:\16020 – Hollister Class 1 Bike-Ped Path Imp. – Goleta\400 Project Design Files\420 Roadway & Civil\Submittal Final\Plans\HA-R-PDD.dwg, 12/19/2016 6:19 PM,

LAST REVISION DATE PLOTTED => Dec 19, 2016

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			82	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER F.JOSE SILVA No. 55267 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

DRAKE HAGLAN AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

ROADSIDE SIGN QUANTITIES

SHEET NO.	SIGN CODE	PANEL SIZE (INCHES)	PANEL AREA (SQFT)	ROADSIDE SIGN (EA)	RELOCATE ROADSIDE SIGN (EA)	SIGN MESSAGE
PD-1	D11-1	24X18	3	X		BIKE ROUTE
PD-1	M6-1	12X9	0.75			DIRECTIONAL ARROW RIGHT
PD-1	R26(CA)				X	NO PARKING ANYTIME
PD-1	R81(CA)					BIKE LANE
PD-2	R10-15 (Mod)	30X30	6.25	X		TURNING VEHICLES YIELD TO PEDESTRIAN
PD-2	R28(R) (CA)				X	NO PARKING ANYTIME (ARROW RIGHT)
PD-2	R81(CA)					BIKE LANE
PD-2	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-2	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
PD-2	SNS				X	STREET NAME SIGN
PEBBLE BEACH						
PD-2	R1-1				X	STOP
PD-2	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-2	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
PD-2	R1-1	18X18	2.25	X		STOP
PD-2	SPEC 1W	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-2	R26(CA)				X	NO PARKING ANYTIME
PD-2	R81(CA)					BIKE LANE
PD-2	R26(CA)				X	NO PARKING ANYTIME
PD-2	R81(CA)					BIKE LANE
PD-2	R10-15 (Mod)	30X30	6.25	X		TURNING VEHICLES YIELD TO PEDESTRIAN
PD-2	SPEC 1W	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-2	R1-1	18X18	2.25	X		STOP
PD-2	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-2	W11-15P	18X12	1.50			TRAIL XING
PD-2	SNS				X	STREET NAME SIGN
SANTA BARBARA SHORES						
PD-2	R1-1				X	STOP
PD-2	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-2	W1-7	24X12	1.00			TWO-DIRECTION LARGE ARROW
PD-2	SPEC 1E	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-2	R1-1	18X18	2.25	X		STOP
PD-2	R26(CA)				X	NO PARKING ANYTIME
PD-2	R81(CA)					BIKE LANE
PD-2	BUS STOP				X	BUS STOP SIGN
PD-2	R26(CA)				X	NO PARKING ANYTIME
PD-2	R81(CA)					BIKE LANE
PD-2	R2-1(45)				X	SPEED LIMIT 45
PD-3	R26(CA)				X	NO PARKING ANYTIME
PD-3	R81(CA)					BIKE LANE
PD-3	R10-15 (Mod)	30X30	6.25	X		TURNING VEHICLES YIELD TO PEDESTRIAN
PD-3	SPEC 1W	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-3	R1-1	18X18	2.25	X		STOP
PD-3	SNS				X	STREET NAME SIGN
SUBTOTAL (THIS SHEET)			59.00	16	14	

SIGN QUANTITES

NO SCALE

SQ-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY: C.SALILICAN
CHECKED BY: A. CASTLE-KEANE
CONSULTANT FUNCTIONAL SUPERVISOR: JOSE SILVA
CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

U:\16020 – Hollister Class 1 Bike-Ped Path Imp. – Goleta\400 Project Design Files\420 Roadway & Civil\Submittal Final\Plans\HA-R-SQ.dwg, 12/19/2016 6:20 PM,

LAST REVISION | DATE PLOTTED => Dec 19, 2016

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			83	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER F.JOSE SILVA No. 55267 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

DRAKE HAGLAN AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

SHEET NO.	SIGN CODE	PANEL SIZE (INCHES)	PANEL AREA (SQFT)	ROADSIDE SIGN (EA)	RELOCATE ROADSIDE SIGN (EA)	SIGN MESSAGE
PD-3	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-3	W11-15P	18X12	1.50			TRAIL XING
PALO ALTO						
PD-3	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-3	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
PD-3	R1-1	18X18			X	STOP
PD-3	SPEC 1E	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-3	R1-1	18X18	2.25	X		STOP
PD-3	R26(CA)				X	NO PARKING ANYTIME
PD-3	R81(CA)					BIKE LANE
PD-3	R26A(CA)				X	NO PARKING ANYTIME
PD-3	R81(CA)					BIKE LANE
PD-3	BUS STOP				X	BUS STOP SIGN
PD-3	R26(CA)				X	NO PARKING ANYTIME
PD-3	R81(CA)					BIKE LANE
PD-3	R10-15 (Mod)	30X30	6.25	X		TURNING VEHICLES YIELD TO PEDESTRIAN
PD-3	SPEC 1W	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-3	R1-1	18X18	2.25	X		STOP
PD-3	SNS				X	STREET NAME SIGN
PD-3	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-3	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
CORONADO						
PD-3	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-3	W1-7	24X12	2			TWO-DIRECTION LARGE ARROW
PD-3	R1-1				X	STOP
PD-3	SPEC 1E	24X18	3	X		SHARED PEDESTRIAN AND BIKE LANE
PD-3	R1-1	18X18	2.25	X		STOP
PD-3	R26(CA)				X	NO PARKING ANYTIME
PD-3	R81(CA)					BIKE LANE
PD-4	R26(CA)				X	NO PARKING ANYTIME
PD-4	R81(CA)					BIKE LANE
PD-4	R4-7	18X24	3	X		KEEP RIGHT
PD-4	R26(CA)				X	NO PARKING ANYTIME
PD-4	R81(CA)					BIKE LANE
PD-4	R26(CA)				X	NO PARKING ANYTIME
PD-4	R81(CA)					BIKE LANE
PD-4	R26(CA)				X	NO PARKING ANYTIME
PD-4	R81(CA)					BIKE LANE
PD-4	R10-15 (Mod)	30X30	6.25	X		TURNING VEHICLES YIELD TO PEDESTRIAN
PD-4	SPEC 1W	24X18	3	X		SHARED PEDESTRIAN AND BIKE LANE
PD-4	R1-1	18X18	2.25	X		STOP
PD-4	R10-22	12X18	1.50			TO REQUEST GREEN WAIT ON BIKE SYMBOL
PD-4	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-4	W1-7	24X12	2			TWO-DIRECTION LARGE ARROW
ENTRANCE						
PD-4	G1-7(CA)				X	DESTINATION
SUBTOTAL (THIS SHEET)			58.75	16	13	

SIGN QUANTITES

NO SCALE

SQ-2

U:\16020 - Hollister Class 1 Bike-Ped Path Imp. - Goleta\400 Project Design Files\420 Roadway & Civil\Submittal Final\Plans\HA-R-SQ.dwg, 12/19/2016 6:20 PM,

CITY OF GOLETA - DEPARTMENT OF PUBLIC WORKS

CONSULTANT FUNCTIONAL SUPERVISOR: JOSE SILVA

CALCULATED-DESIGNED BY: C.SALILICAN

CHECKED BY: A. CASTLE-KEANE

REVISED BY

DATE REVISED

LAST REVISION

DATE PLOTTED => Dec 19, 2016

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			84	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER F.JOSE SILVA No. 55267 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

DRAKE HAGLAN AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

SHEET NO.	SIGN CODE	PANEL SIZE (INCHES)	PANEL AREA (SQFT)	ROADSIDE SIGN (EA)	RELOCATE ROADSIDE SIGN (EA)	SIGN MESSAGE
PD-4	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-4	W1-7	24X12	2			TWO-DIRECTION LARGE ARROW
PD-4	SPEC 1E	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-4	R1-1	18X18	2.25	X		STOP
PD-4	R10-22	12X18	1.50			TO REQUEST GREEN WAIT ON BIKE SYMBOL
PD-4	R10-22	12X18	1.50	X		TO REQUEST GREEN WAIT ON BIKE SYMBOL
PD-5	BUS STOP				X	BUS STOP SIGN
PD-5	R10-15 (Mod)	30X30	6.25	X		TURNING VEHICLES YIELD TO PEDESTRIAN
PD-5	SPEC 1W	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-5	R1-1	18X18	2.25	X		STOP
PD-5	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-5	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
CANNON GREEN						
PD-5	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-5	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
PD-5	R1-1				X	STOP
PD-5	SNS				X	STREET NAME SIGN
PD-5	SPEC 1E	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-5	R1-1	18X18	2.25	X		STOP
PD-5	R26(CA)				X	NO PARKING ANYTIME
PD-5	R81(CA)					BIKE LANE
PD-5	BUS STOP				X	BUS STOP SIGN
PD-5	R2-1(45)				X	SPEED LIMIT 45
PD-5	R6-1				X	ONE WAY
PD-6	R26(CA)				X	NO PARKING ANYTIME
PD-6	R81(CA)					BIKE LANE
PD-6	R10-15 (Mod)	30X30	6.25	X		TURNING VEHICLES YIELD TO PEDESTRIAN
PD-6	SPEC 1W	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-6	R1-1	18X18	2.25	X		STOP
PD-6	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-6	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
PD-6					X	NOT A THROUGH STREET
LOWELL WAY						
PD-6	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-6	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
PD-6	R1-1				X	STOP
PD-6	SNS				X	STREET NAME SIGN
PD-6	SPEC 1E	24X18	3.00	X		SHARED PEDESTRIAN AND BIKE LANE
PD-6	R1-1	18X18	2.25	X		STOP
PD-6	R3-4				X	NO U-TURN
PD-6	R4-7	18X24	3.00	X		KEEP RIGHT
PD-7	R4-7	18X24	3.00	X		KEEP RIGHT
SUBTOTAL (THIS SHEET)			69.00	20	12	

SIGN QUANTITIES

NO SCALE

SQ-3

U:\16020 - Hollister Class 1 Bike-Ped Path Imp. - Goleta\400 Project Design Files\420 Roadway & Civil\Submittal Final\Plans\HA-R-SQ.dwg, 12/19/2016 6:20 PM,

CITY OF GOLETA - DEPARTMENT OF PUBLIC WORKS

CONSULTANT FUNCTIONAL SUPERVISOR: JOSE SILVA

CALCULATED-DESIGNED BY: C.SALILICAN

CHECKED BY: A. CASTLE-KEANE

REVISED BY

DATE REVISED

LAST REVISION

DATE PLOTTED => Dec 19, 2016

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			85	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER F.JOSE SILVA No. 55267 Exp. 9/30/18 CIVIL STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

DRAKE HAGLAN AND ASSOCIATES
11060 White Rock Road, Suite 200
Rancho Cordova, CA 95670

SHEET NO.	SIGN CODE	PANEL SIZE (INCHES)	PANEL AREA (SQFT)	ROADSIDE SIGN (EA)	RELOCATE ROADSIDE SIGN (EA)	SIGN MESSAGE
PD-7	R3-4				X	NO U-TURN
PD-7	R10-22	12X18	1.50	X		TO REQUEST GREEN WAIT ON BIKE SYMBOL
PD-7	R1-1	18X18	2.25	X		STOP
PD-7	R10-22	12X18	1.50			TO REQUEST GREEN WAIT ON BIKE SYMBOL
PD-7	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-7	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
PACIFIC OAKS						
PD-7	W11-15	18X18	2.25	X		ICON: BIKE AND PEDESTRIAN
PD-7	W1-7	24X12	2.00			TWO-DIRECTION LARGE ARROW
PD-7	R10-22	12X18	1.50	X		TO REQUEST GREEN WAIT ON BIKE SYMBOL
SUBTOTAL (THIS SHEET)			15.25	5	1	
TOTAL			202.00	57	40	

SIGN QUANTITIES

NO SCALE

SQ-4

U:\16020 - Hollister Class 1 Bike-Ped Path Imp. - Goleta\400 Project Design Files\420 Roadway & Civil\Submittal Final\Plans\HA-R-SQ.dwg, 12/19/2016 6:20 PM,

CITY OF GOLETA - DEPARTMENT OF PUBLIC WORKS

CONSULTANT FUNCTIONAL SUPERVISOR: JOSE SILVA

CALCULATED-DESIGNED BY: C.SALILICAN

CHECKED BY: A. CASTLE-KEANE

REVISED BY

DATE REVISED

LAST REVISION

DATE PLOTTED => Dec 19, 2016

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			86	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

GENERAL NOTES:

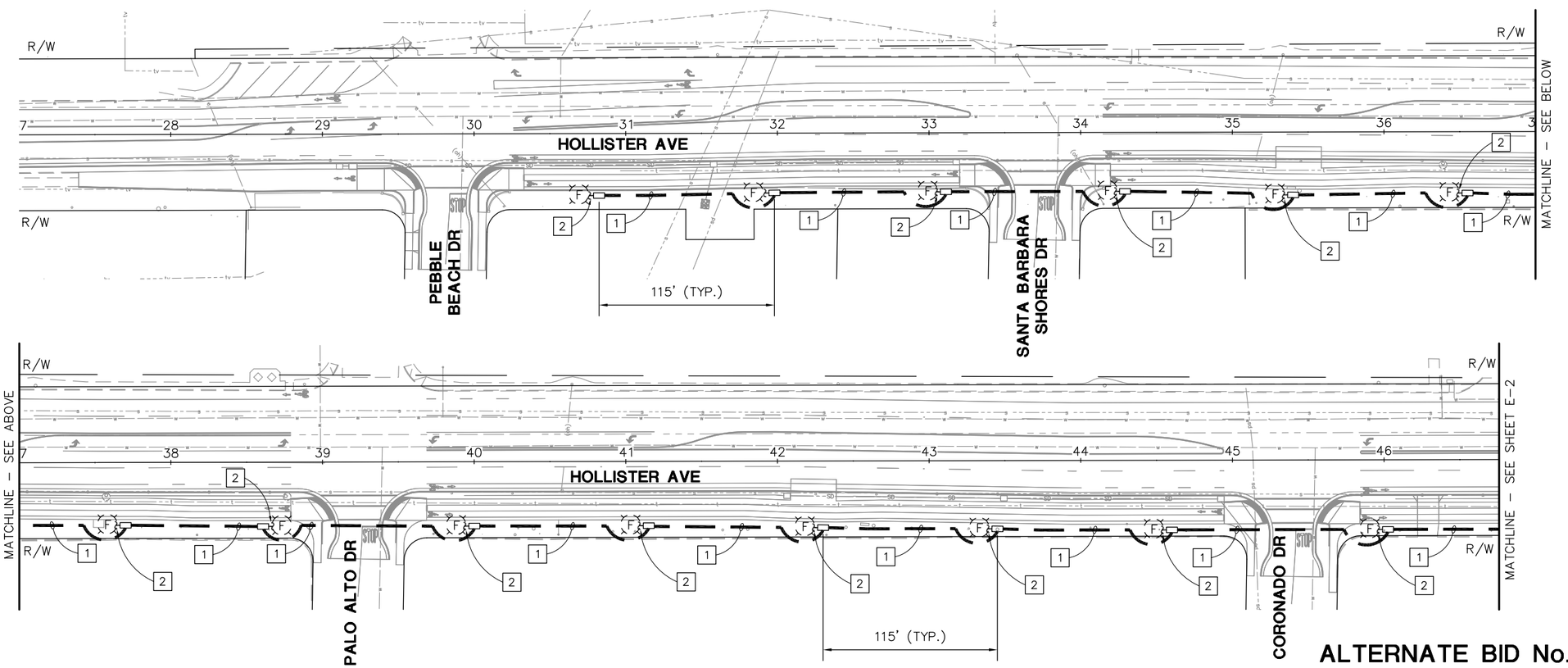
1. ALL ELECTRICAL WORK SHALL BE DONE IN CONFORMANCE WITH THE CITY OF GOLETA STANDARDS, THE 2010 CALTRANS STANDARD SPECIFICATIONS AND THE STANDARD PLANS, 2014 CA MUTCD, THE LATEST EDITIONS OF SIGN SPECIFICATIONS, AND IN ACCORDANCE WITH THE PROJECT SPECIAL PROVISIONS.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING ALL CONFLICTS, ERRORS, OMISSIONS, ETC. TO THE ENGINEER IMMEDIATELY UPON DISCOVERY. IF SO DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL STOP WORK UNTIL REMEDIAL ACTION CAN BE TAKEN. ANY COSTS RESULTING FROM THE CONTRACTOR'S FAILURE TO REPORT OR FAILURE TO STOP WORK AS DIRECTED WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL OVERHEAD AND UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY CONFLICT WITH PLACEMENT OF IMPROVEMENTS SHOWN ON THIS PLAN. CALL "DIG ALERT" AT 811, 2 WORKING DAYS PRIOR TO ANY EXCAVATION.
4. THE CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO EXCAVATION FOR CONDUIT RUNS.
5. THE LOCATION OF ALL PULL BOXES, CONDUITS AND OTHER EQUIPMENT SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
6. ALL PULL BOXES SHALL BE No. $3\frac{1}{2}$ FOR FUTURE LIGHTING (BIKE LANE), No. 5 FOR SIGNAL, AND No. 6 FOR SIGNAL INTERCONNECT UNLESS OTHERWISE NOTED ON THE PLAN.
7. CONTRACTOR SHALL REPAIR HOLE AFTER REMOVING EQUIPMENT ON EXISTING SIGNAL STANDARD.
8. CONTRACTOR MUST MAINTAIN EXISTING SIGNAL SYSTEMS IN OPERATION DURING CONSTRUCTION. CONTRACTOR SHALL SUBMIT THE TEMPORARY SIGNAL PLANS AND TIMING TO CITY FOR APPROVAL PRIOR TO CONSTRUCTION.

LEGEND:

(F) DECORATIVE LIGHT (BIKE LANE) TO BE INSTALLED IN FUTURE BY OTHERS.

PROJECT NOTES (FOR THIS SHEET ONLY):

1. FURNISH AND INSTALL 2"C, PT FOR FUTURE LIGHTING (BIKE LANE).
2. FURNISH AND INSTALL $1\frac{1}{2}$" CONDUIT STUB-OUT. CAP THE CONDUIT FOR FUTURE USE.



ALTERNATE BID No. 2
LIGHTING (BIKE LANE)

SCALE 1"=40'

E-1

CITY OF GOLETA - DEPARTMENT OF PUBLIC WORKS

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CALCULATED-DESIGNED BY: V. BALTAZAR

CHECKED BY: K. CHAN

REVISED BY

DATE REVISED

LAST REVISION 12/14/16

DATE PLOTTED => Dec 14, 2016

TIME PLOTTED => 4:39 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			87	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

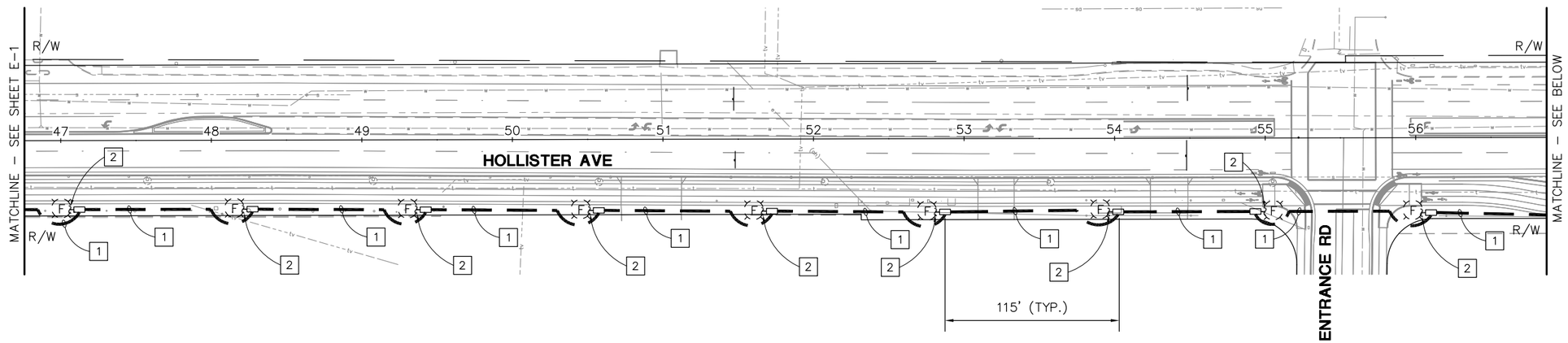
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

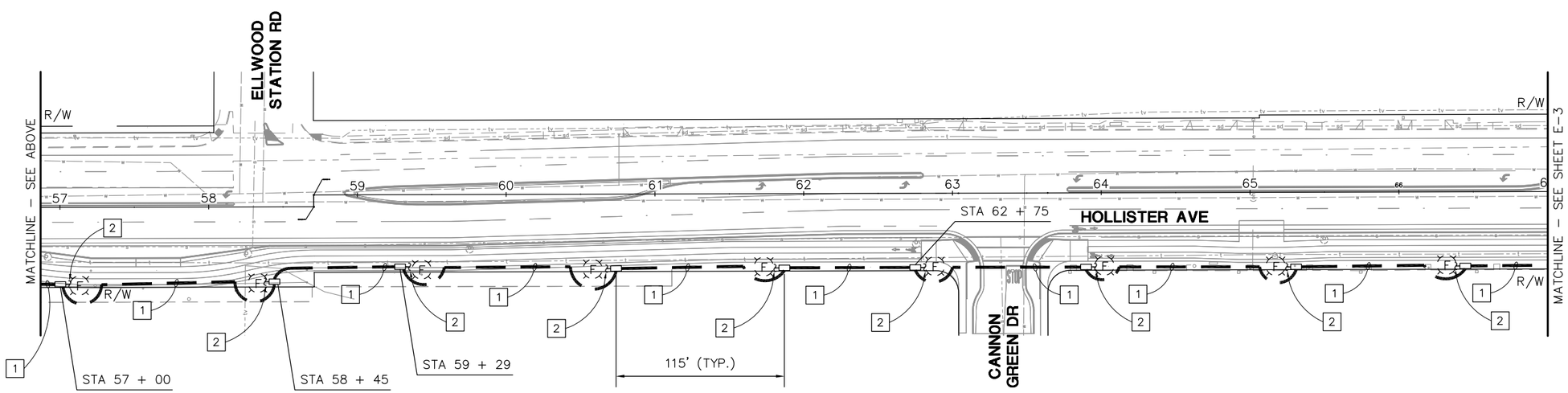
CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

PROJECT NOTES (FOR THIS SHEET ONLY):

1. FURNISH AND INSTALL 2"C, PT FOR FUTURE LIGHTING (BIKE LANE).
2. FURNISH AND INSTALL 1½" CONDUIT STUB-OUT. CAP THE CONDUIT FOR FUTURE USE.





ALTERNATE BID No. 2
LIGHTING (BIKE LANE)

SCALE 1"=40'

E-2

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
V. BALTAZAR	K. CHAN

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 12/14/16 — DATE PLOTTED => Dec 14, 2016 — TIME PLOTTED => 4:39 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			88	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

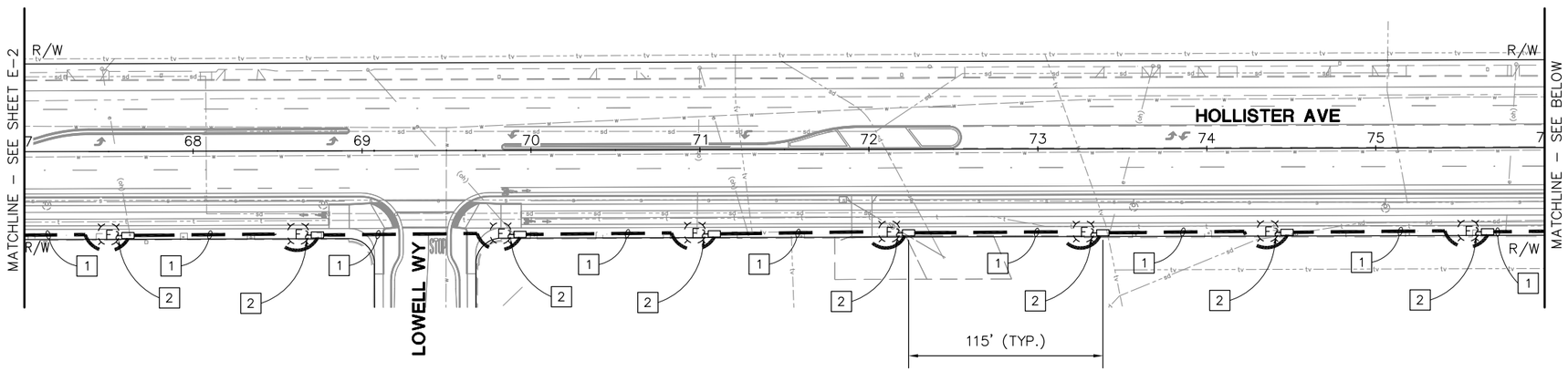
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

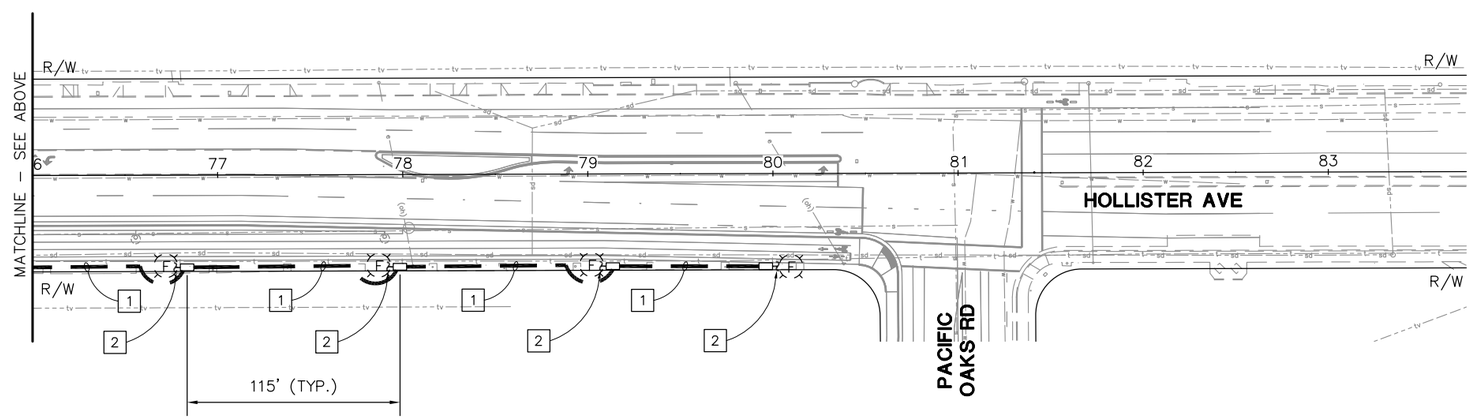
CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

PROJECT NOTES (FOR THIS SHEET ONLY):

1. FURNISH AND INSTALL 2"C, PT FOR FUTURE LIGHTING (BIKE LANE).
2. FURNISH AND INSTALL 1½" CONDUIT STUB-OUT. CAP THE CONDUIT FOR FUTURE USE.





ALTERNATE BID No. 2
LIGHTING (BIKE LANE)

SCALE 1"=40'

E-3

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
V. BALTAZAR	K. CHAN

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 12/14/16 — DATE PLOTTED => Dec. 14, 2016 — TIME PLOTTED => 4:40 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			89	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

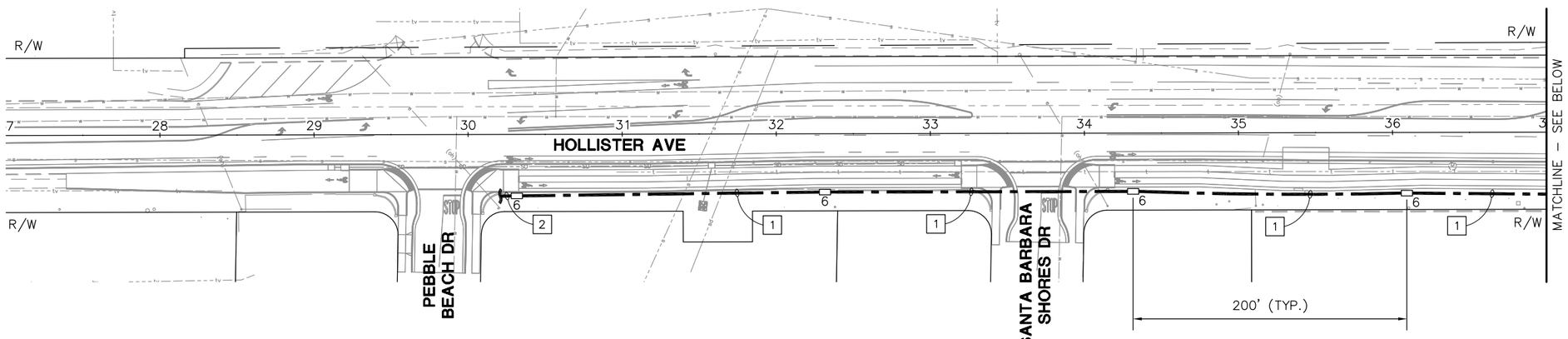
Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

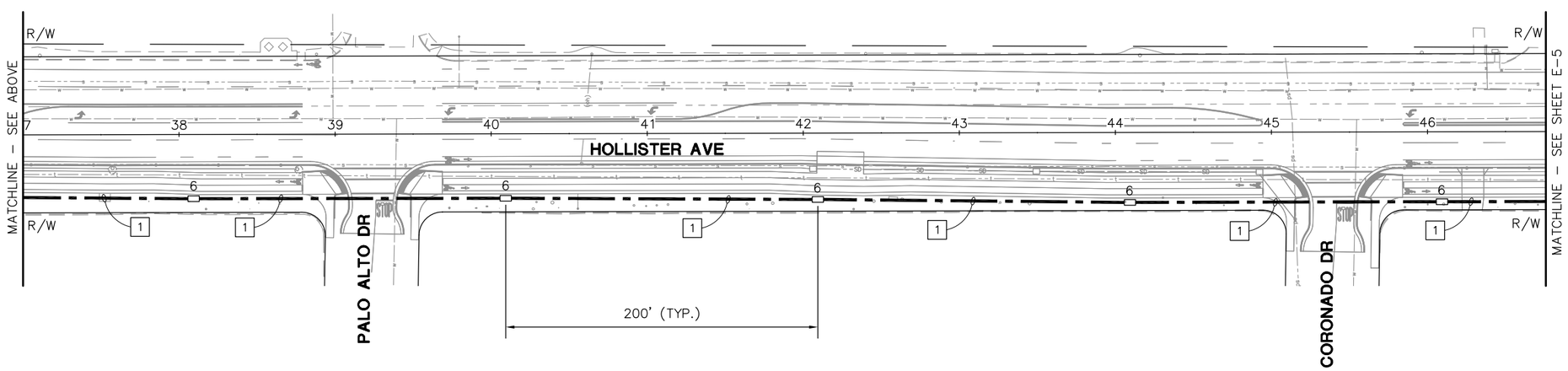
NOTES:

SEE SHEET E-1 FOR GENERAL NOTES, LEGEND AND STANDARD PROJECT NOTES.

PROJECT NOTES (FOR THIS SHEET ONLY):

1. FURNISH AND INSTALL 3"C, PT FOR FUTURE SIC.
2. FURNISH AND INSTALL 3" CONDUIT STUBOUT. CAP THE CONDUIT FOR FUTURE USE.





ALTERNATE BID No. 2
SIGNAL INTERCONNECT

SCALE 1"=40'

E-4

REVISED BY	DATE REVISED
V. BALTAZAR	K. CHAN

CALCULATED-DESIGNED BY	CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR	K. DANIEL YAU

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 12/14/16 — DATE PLOTTED => Dec. 14, 2016 — TIME PLOTTED => 4:40 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			90	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

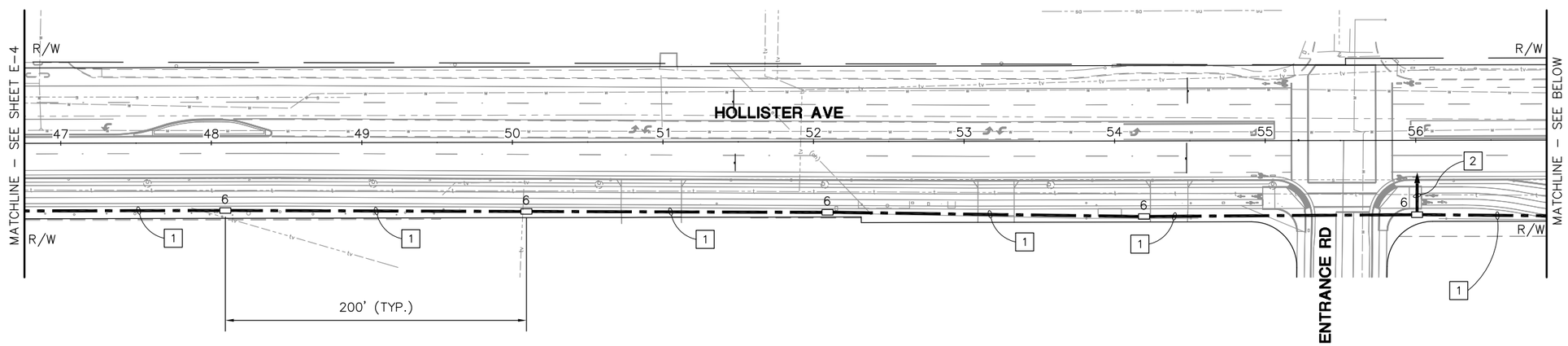
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

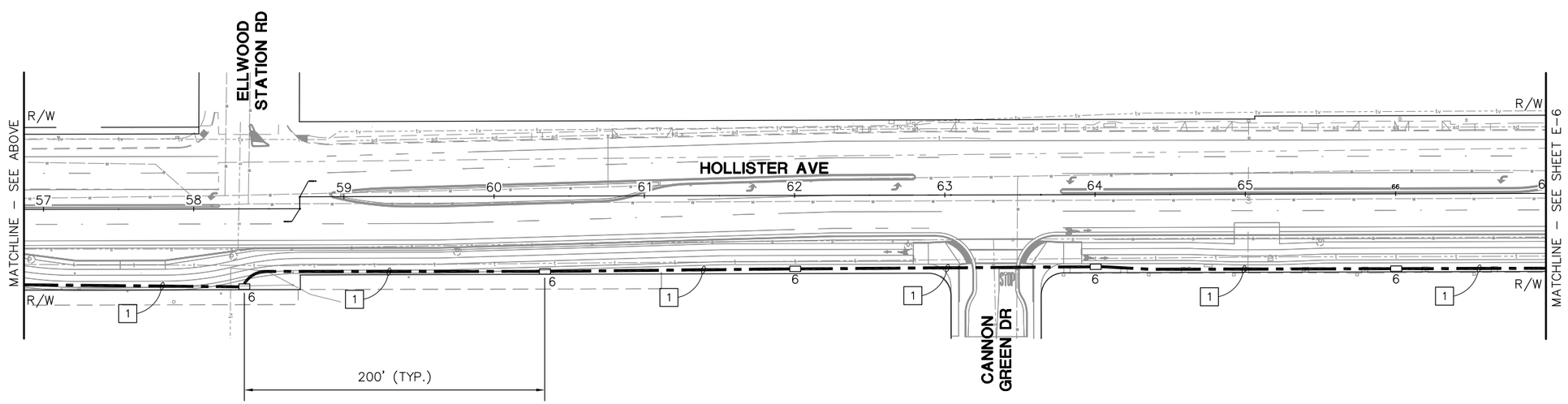
CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

PROJECT NOTES (FOR THIS SHEET ONLY):

1. FURNISH AND INSTALL 3"C, PT FOR FUTURE SIC.
2. SEE SHEET E-7 FOR CONTINUATION AND DETAIL.





ALTERNATE BID No. 2
SIGNAL INTERCONNECT

SCALE 1"=40'

E-5

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
V. BALTAZAR	K. CHAN

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 12/14/16 — DATE PLOTTED => Dec 14, 2016 — TIME PLOTTED => 4:40 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			91	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

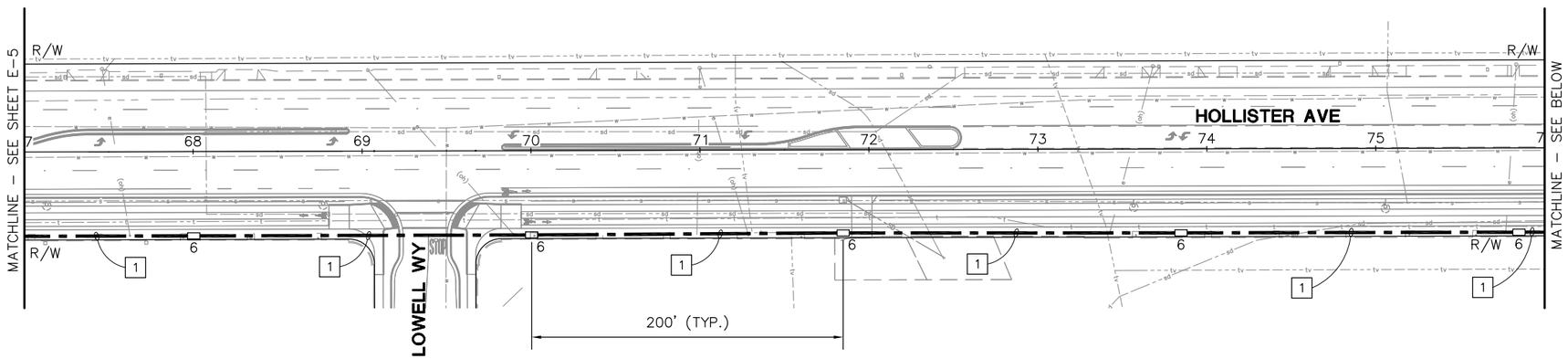
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

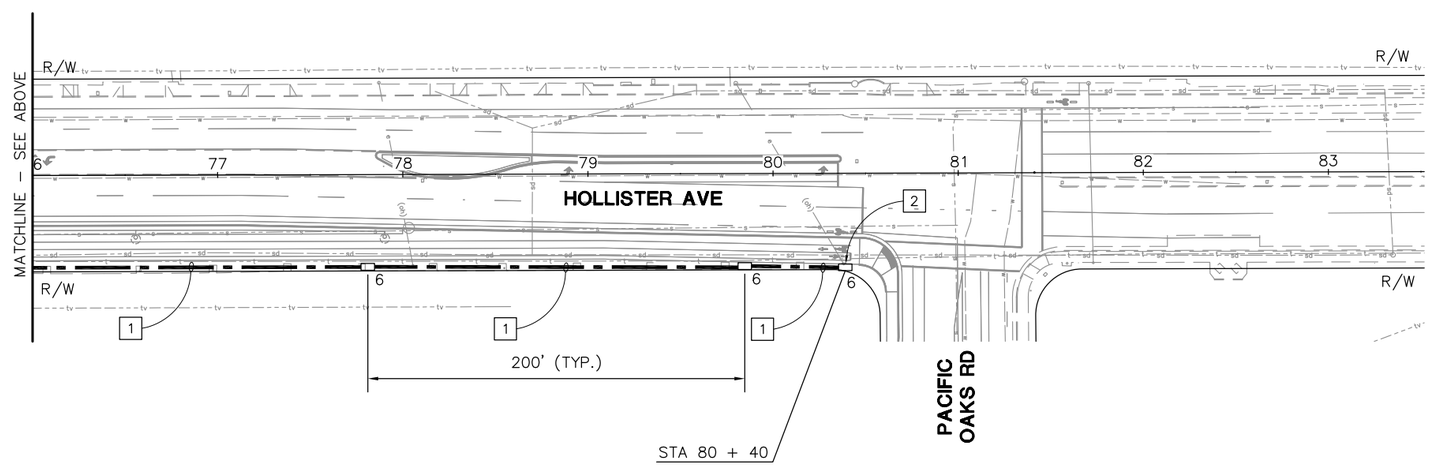
CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

PROJECT NOTES (FOR THIS SHEET ONLY):

1. FURNISH AND INSTALL 3"C, PT FOR FUTURE SIC.
2. SEE SHEET E-9 FOR CONTINUATION AND DETAIL.





ALTERNATE BID No. 2
SIGNAL INTERCONNECT

SCALE 1"=40'

E-6

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CALCULATED–DESIGNED BY: V. BALTAZAR — CHECKED BY: K. CHAN

REVISED BY — DATE REVISED

LAST REVISION 12/14/16 — DATE PLOTTED => Dec. 14, 2016 — TIME PLOTTED => 4:41 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			92	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

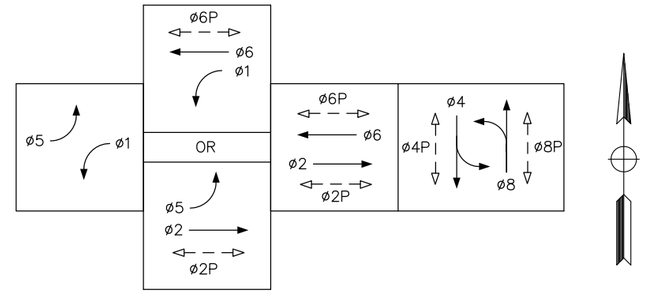
Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

NOTE:

SEE SHEET E-1 FOR GENERAL NOTES, LEGEND AND STANDARD PROJECT NOTES.

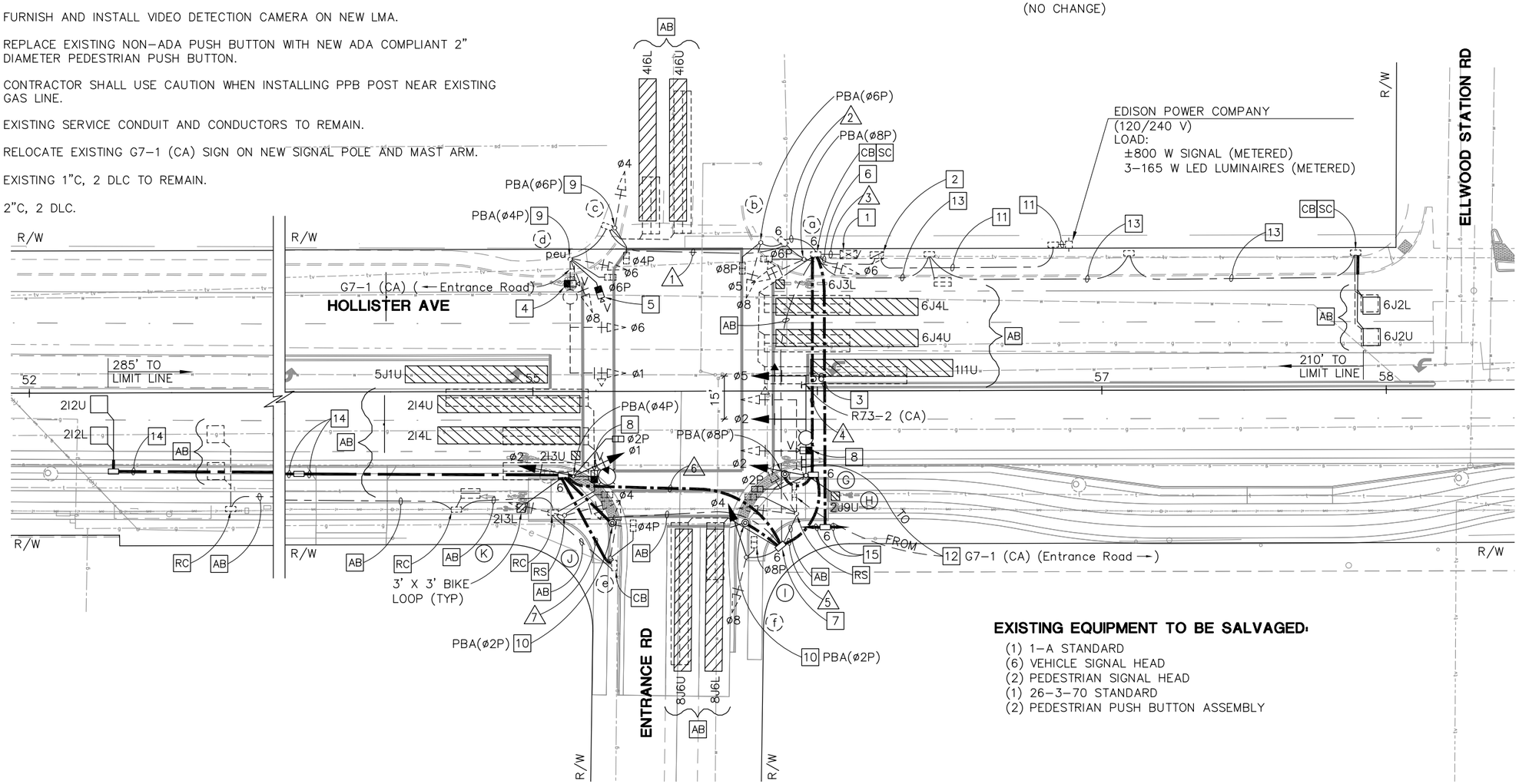
PROJECT NOTES (FOR THIS SHEET ONLY):

1. EXISTING MODEL 170 CONTROLLER WITH MODEL 332 CABINET. INSTALL VIDEO DETECTION CONTROL UNIT INSIDE THE CABINET.
2. EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE TO REMAIN.
3. FURNISH AND INSTALL 3"C, PT FOR FUTURE SIC.
4. FURNISH AND INSTALL VIDEO DETECTION CAMERA ON EXISTING LMA.
5. FURNISH AND INSTALL VIDEO DETECTION CAMERA ON EXISTING SIGNAL STANDARD.
6. EXISTING 2"C, 2#8 (120 V SIGNAL), 4#10 (120 V LIGHTING), 3#14 (PEU).
7. REPLACE EXISTING PULL BOX WITH NEW No. 6(E) PULL BOX.
8. FURNISH AND INSTALL VIDEO DETECTION CAMERA ON NEW LMA.
9. REPLACE EXISTING NON-ADA PUSH BUTTON WITH NEW ADA COMPLIANT 2" DIAMETER PEDESTRIAN PUSH BUTTON.
10. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING PPB POST NEAR EXISTING GAS LINE.
11. EXISTING SERVICE CONDUIT AND CONDUCTORS TO REMAIN.
12. RELOCATE EXISTING G7-1 (CA) SIGN ON NEW SIGNAL POLE AND MAST ARM.
13. EXISTING 1"C, 2 DLC TO REMAIN.
14. 2"C, 2 DLC.
15. SEE SHEET E-5 FOR CONTINUATION.



EXISTING PHASE DIAGRAM

(NO CHANGE)



EXISTING EQUIPMENT TO BE SALVAGED:

(1) 1-A STANDARD
(6) VEHICLE SIGNAL HEAD
(2) PEDESTRIAN SIGNAL HEAD
(1) 26-3-70 STANDARD
(2) PEDESTRIAN PUSH BUTTON ASSEMBLY

MODIFYING A SIGNAL AND LIGHTING SYSTEM (HOLLISTER AVE AT ENTRANCE RD)

SCALE 1"=20'

E-7

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CALCULATED-DESIGNED BY: V. BALTAZAR — CHECKED BY: K. CHAN

REVISED BY — DATE REVISED

LAST REVISION 12/14/16 — DATE PLOTTED => Dec 14, 2016 — TIME PLOTTED => 4:41 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			93	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

CONDUIT AND CONDUCTOR SCHEDULE

AWG	CONDUCTOR SCHEDULE	CONDUIT RUN NUMBER 1	2	3	4	5	6	7
14	ø1 SIGNAL HEADS	3	3	3/3+	3	3	3	
	ø2 SIGNAL HEADS			3	3	3	3	
	ø4 SIGNAL HEADS	3	3	3/3+	3	3	3	3
	ø5 SIGNAL HEADS			3	3			
	ø6 SIGNAL HEADS	3	3	3				
	ø8 SIGNAL HEADS	3	3	3/3+	3	3		
	ø2 PED HEADS			2	2	2	2	
	ø4 PED HEADS	2	2	2/2+	2	2	2	2
	ø6 PED HEADS	2	2	2				
	ø8 PED HEADS		2	2/2+	2	2		
	ø2 PBA			1	1	1	1	
	ø4 PBA	1	1	1	1	1	1	
	ø6 PBA	1	1	1				
	ø8 PBA			1	1			
	PBA COMON	1	1	2	1	1	1	
	PEU	3	3					
	SPARES	3	3	6	3	3	3	3
	TOTAL	25	27	49	26	23	18	8
10								
	SIGNAL COMMON	1	1	2	1	1	1	1
	LUMINAIRES	2	2		2	2	2	
	TOTAL	3	3	2	3	3	3	1
8	SIGNAL SERVICE			2				
DLC	1I1U			1−				
	212L			1*	1	1	1	
	212U			1*	1	1	1	
	213U			1−				
	213L			1	1	1	1	
	214L			1−				
	214U			1−				
	2J9U			1	1			
	416L	1−	1−	1−				
	416U	1−	1−	1−				
	5JIU			1−				
	6J2L			1				
	6J2U			1				
	6J3U			1−				
	6J4L			1−				
	6J4U			1−				
	8J6L			1−				
	8J6U			1−				
	TOTAL			6	4	3	3	
VIDEO DETECTION CABLE		2+	2+	4+	2	1	1	
CONDUIT SIZE		3"	4"	4"	2−3"	2−3"	2−3"	3"
NEW (N)/EXISTING (E)		E	E	E	N	N	N	N
% FILL		20	12	25	12	8	8	7

− = REMOVE EXISITING CONDUCTORS/CABLES IN EXISTING CONDUIT.
+ = INSTALL NEW CONDUCTORS/CABLES IN EXISTING CONDUIT.
* = REMOVE EXISTING CABLES. INSTALL NEW CABLES AS INDICATED.

EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	MAST ARM SIG	MAST ARM LUM	VEHICLE SIGNAL MOUNTING MAST ARM	VEHICLE SIGNAL MOUNTING POLE	PED SIGNAL MTG	PBA ø	PBA ARROW	LUMINAIRE LED (MAX WATTAGE)	STATION	OFFSET	NOTES
(a)	EXISTING 1−A				TV−2−T	SP−1−T	8	RT				
(b)	EXISTING 1−A				TV−1−T	SP−1−T	6	LT				
(c)	EXISTING 1−A				TV−1−T	SP−1−T	6	LT				SEE NOTE 9 ON SHEET E−7.
(d)	EXISTING 26−3−70	40'	12'	MAS / MAS	SV−2−TB	SP−1−T	4	LT	165W			SEE NOTES 4 , 5 AND 9 ON SHEET E−7.
(e)	EXISTING 1−A				TV−1−T	SP−1−T	2	LT				
(f)	EXISTING 1−A				TV−2−T	SP−1−T	2	RT				
(G)	24−4−100	35'	15'	MAS / MAS	SV−1−T	SP−1−T			165W	55+96	29.6'	SEE NOTE 8 AND 12 ON SHEET E−7. IS R73−2 (CA)
(H)	PBA POST						8	LT		55+88	30.2'	
(I)	PBA POST						2	RT		55+75	46.4'	SEE NOTE 10 ON SHEET E−7.
(J)	PBA POST						2	LT		55+27	46.4'	SEE NOTE 10 ON SHEET E−7.
(K)	15TS		12'		SV−2−TA	SP−1−T	4	RT	165W	55+15	29.8'	SEE NOTE 8 ON SHEET E−7.

REMOVE EQUIPMENT

NEW EQUIPMENT ON EXISTING SIGNAL STANDARD

MODIFYING A SIGNAL AND LIGHTING SYSTEM

(EQUIPMENT, CONDUIT AND CONDUCTOR SCHEDULE)

(HOLLISTER AVE AT ENTRANCE RD)

E-8

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CALCULATED-DESIGNED BY: V. BALTAZAR — CHECKED BY: K. CHAN

REVISED BY — DATE REVISED

LAST REVISION 12/14/16 — DATE PLOTTED => Dec 14, 2016 — TIME PLOTTED => 4:41 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			94	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN No. 55391 Exp. 12/31/18 CIVIL — STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

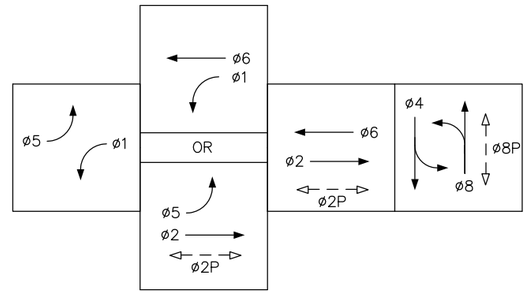
Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

NOTE:

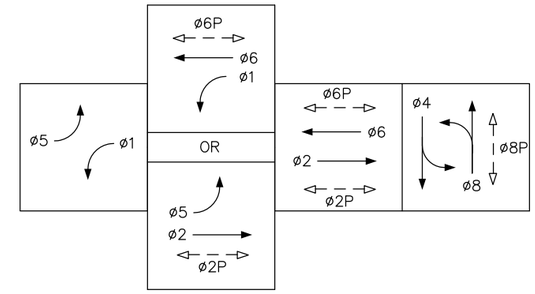
SEE SHEET E-1 FOR GENERAL NOTES, LEGEND AND STANDARD PROJECT NOTES.

PROJECT NOTES (FOR THIS SHEET ONLY):

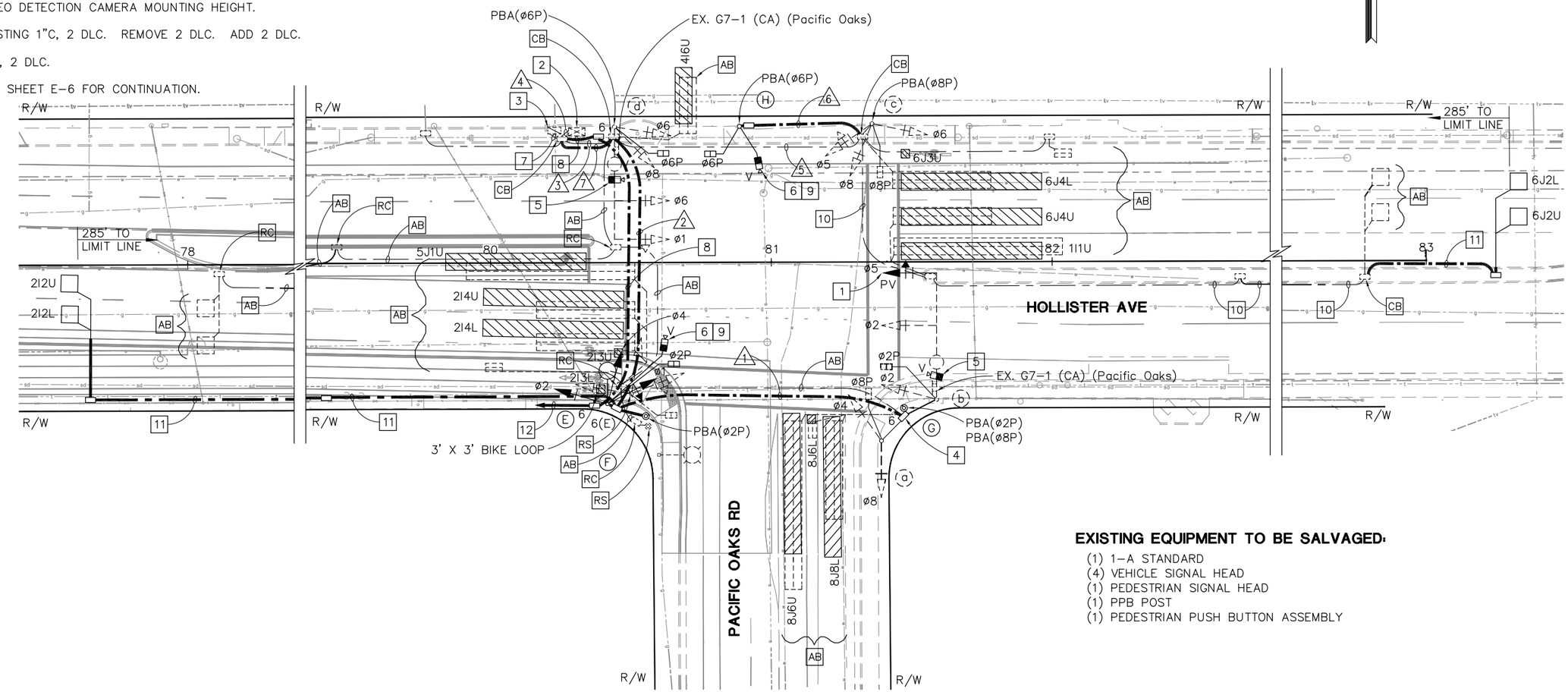
1. REMOVE AND SALVAGE EXISTING 3-SECTION LEFT-TURN ARROW VEHICLE SIGNAL HEAD. FURNISH AND INSTALL NEW 3-SECTION LEFT-TURN ARROW PV VEHICLE SIGNAL HEAD.
2. EXISTING MODEL 170 CONTROLLER WITH MODEL 332 CABINET. INSTALL VIDEO DETECTION CONTROL UNIT INSIDE THE CABINET.
3. EXISTING TYPE III-AF SERVICE EQUIPMENT ENCLOSURE TO REMAIN.
4. REPLACE EXISTING PULL BOX WITH NEW No. 6 PULL BOX.
5. FURNISH AND INSTALL VIDEO DETECTION CAMERA ON EXISTING LMA.
6. FURNISH AND INSTALL VIDEO DETECTION CAMERA ON SIGNAL STANDARD.
7. EXISTING 2"C, 2#8 (120 V SIGNAL), 2#10 (120 V LIGHTING).
8. FURNISH AND INSTALL 3"C, PT FOR FUTURE SIC.
9. CONTRACTOR SHALL FOLLOW MANUFACTURER'S RECOMMENDATION FOR VIDEO DETECTION CAMERA MOUNTING HEIGHT.
10. EXISTING 1"C, 2 DLC. REMOVE 2 DLC. ADD 2 DLC.
11. 2"C, 2 DLC.
12. SEE SHEET E-6 FOR CONTINUATION.



EXISTING PHASE DIAGRAM



PROPOSED PHASE DIAGRAM



EXISTING EQUIPMENT TO BE SALVAGED:

(1) 1-A STANDARD
(4) VEHICLE SIGNAL HEAD
(1) PEDESTRIAN SIGNAL HEAD
(1) PPB POST
(1) PEDESTRIAN PUSH BUTTON ASSEMBLY

MODIFYING A SIGNAL AND LIGHTING SYSTEM (HOLLISTER AVE AT PACIFIC OAKS RD)

SCALE 1"=20'

E-9

REVISED BY	DATE REVISED
V. BALTAZAR	K. CHAN

CALCULATED-DESIGNED BY — CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CITY OF GOLETA - DEPARTMENT OF PUBLIC WORKS

LAST REVISION 12/14/16 — DATE PLOTTED => Dec 14, 2016 — TIME PLOTTED => 4:42 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			95	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

CONDUCTOR SCHEDULE

CABLE TYPE	STD	PHASE	NUMBER OF CONDUCTORS/CABLES RUN NUMBER 1	2	3	4	5	6	7
VEH-PED 12CSC	a	ø4,ø8,ø8P	1	1		1*			1
	b	ø2,ø5,ø2P	1	1		1*			1
	c	ø5,ø6,ø8,ø8P / ø8P			1 / 1	1 / 1	1 / 1		
	d	ø1,ø6,ø8,ø6P / ø6P			1 / 1	1 / 1			
	E	ø1,ø2,ø4 / ø2P		1 / 1		1* / 1*			1 / 1
	F	ø2P		1		1*			1
	G	ø2P,ø8P	2	2		2*			2
PBA 3CSC	H	ø6P / ø6P			1+ / 1+	1+ / 1+	1 / 1	1 / 1	
TOTAL CABLES 12/3 CONDUCTORS			2 / 2	3 / 4	3 / 3	6 / 7	2 / 2	1 / 1	3 / 4
#10		LUMINAIRES	2	2	2				
		SIGNAL COMMON	1	1	2	2	1	1	
		TOTAL	3	3	4	2	1	1	
#8		SIGNAL SERVICE				2			
DLC		1I1U			1−	1−	1−		
		212L		1	1+	1+			
		212U		1	1+	1+			
		213L		1	1+	1+			
		214L		1−	1−	1−			
		214U		1−	1−	1−			
		416U			1−	1−			
		5JIU		1−	1−	1−			
		6J2L				1*	1*		1
		6J2U				1*	1*		1
		6J3U			1−	1−	1−		
		6J4L			1−	1−	1−		
		6J4U			1−	1−	1−		
		8J6L			1−	1−			
		8J6U			1−	1−			
		TOTAL		1	1	3	2		2
VIDEO DETECTION CABLE			1	2	4+	4+	1+	1	1
CONDUIT SIZE			2−3"	2−3"	4"	4"	3"	3"	4"
NEW/EXISTING (N/E)			N	N	E	E	E	N	N
% FILL			11	22	27	48	24	13	21

− = REMOVE EXISITING CONDUCTORS/CABLES IN EXISTING CONDUIT.
+ = INSTALL NEW CONDUCTORS/CABLES IN EXISTING CONDUIT.
* = REMOVE EXISTING CABLES. INSTALL NEW CABLES AS INDICATED.

EQUIPMENT SCHEDULE

LOCATION	STANDARD TYPE	MAST ARM SIG	MAST ARM LUM	VEHICLE SIGNAL MOUNTING MAST ARM	VEHICLE SIGNAL MOUNTING POLE	PED SIGNAL MTG	PBA ø	PBA ARROW	LUMINAIRE LED (MAX WATTAGE)	STATION	OFFSET	NOTES
a	EXISTING 1−A				TV−2−T	SP−1−T	2	RT				
b	EXISTING 26−3−70	45'	12'	MAS / MAS	SV−1−T	SP−1−T	8	LT	165W			SEE NOTES 1 AND 5 ON SHEET E−9.
c	EXISTING 1−A				TV−3−T	SP−1−T	8	LT				
d	EXISTING 26−3−70	45'	12'	MAS / MAS	SV−2−TA	SP−1−T	6	RT	165W			SEE NOTE 5 ON SHEET E−9.
E	15TS		15'		SV−3−TB	SP−1−T			165W	80+42	49.6'	SEE NOTES 6 AND 9 ON SHEET E−9.
F	PBA POST						2	LT		80+56	54.2'	
G	PBA POST						2 / 8	RT / LT		81+48	51.1'	
H	15TS*					SP−1−T	6	LT		80+87	48.8'	SEE NOTES 6 AND 9 ON SHEET E−9.

REMOVE EQUIPMENT

NEW EQUIPMENT ON EXISTING SIGNAL STANDARD

* NO LMA AND NO LUMINAIRE

MODIFYING A SIGNAL AND LIGHTING SYSTEM

(EQUIPMENT, CONDUIT AND CONDUCTOR SCHEDULE)

(HOLLISTER AVE AT PACIFIC OAKS RD)

E-10

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CALCULATED-DESIGNED BY: V. BALTAZAR — CHECKED BY: K. CHAN

REVISED BY — DATE REVISED

LAST REVISION 12/14/16 — DATE PLOTTED => Dec. 14, 2016 — TIME PLOTTED => 4:42 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			96	112

REGISTERED CIVIL ENGINEER — DATE 12/14/16

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER — KIN Y. CHAN — No. 55391 — Exp. 12/31/18 — CIVIL — STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

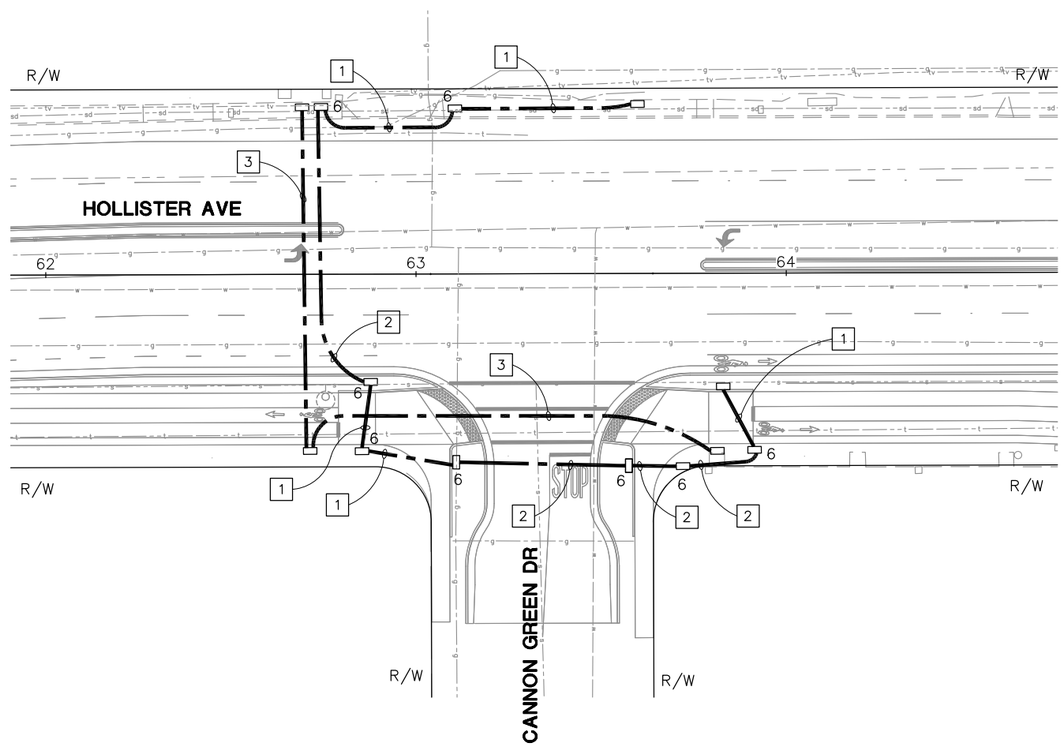
Y&C TRANSPORTATION CONSULTANTS, INC.
3250 RAMOS CIRCLE
SACRAMENTO, CA 95827
(916) 366-8000 FAX: (916) 366-8008

NOTE:

SEE SHEET E-1 FOR GENERAL NOTES, LEGEND AND STANDARD PROJECT NOTES.

PROJECT NOTES (FOR THIS SHEET ONLY):

1. FURNISH AND INSTALL 3"C, PT FOR FUTURE TRAFFIC SIGNAL.
2. FURNISH AND INSTALL 2-3"C, PT FOR FUTURE TRAFFIC SIGNAL.
3. FURNISH AND INSTALL 2"C, PT FOR FUTURE SERVICE.



EQUIPMENT FOR FUTURE SIGNAL

(HOLLISTER AVE AT CANNON GREEN DR)

SCALE 1" = 20'

E-11

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY	CHECKED BY
V. BALTAZAR	K. CHAN

CONSULTANT FUNCTIONAL SUPERVISOR: K. DANIEL YAU

CITY OF GOLETA - DEPARTMENT OF PUBLIC WORKS

LAST REVISION 12/14/16 — DATE PLOTTED => Dec 14, 2016 — TIME PLOTTED => 4:43 pm

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			97	112

WALLACE GROUP®
CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES
612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC. #4038
ANN SEVER
(SIGNATURE)
STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401

PLANT SCHEDULE

TREES	BOTANICAL NAME / COMMON NAME	CONT	QTY
	Existing Tree / Existing Protect in place unless noted otherwise	NA	72
LC	Lophostemon confertus / Brisbane Box	15 gal	5
	Pistacia chinensis / Chinese Pistache Multi-Trunk	15 gal	6
	Prunus cerasifera `Krauter Vesuvius` / Purple Leaf Plum	15 gal	38
	Pyrus kawakamii / Evergreen Pear	15 gal	8

SHRUBS	BOTANICAL NAME / COMMON NAME	CONT	QTY
	Aloe striata / Coral Aloe	1 gal	337
	Arctostaphylos uva-ursi `Emerald Carpet` / Emerald Carpet Manzanita	1 gal	383
	Arctotis acaulis `Big Magenta` / Magenta African Daisy	1 gal	643
	Carex flacca / Blue Sedge	1 gal	378
	Carissa macrocarpa `Green Carpet` / Green Carpet Natal Plum	1 gal	38
	Coleonema pulchrum `Sunset Gold` / Golden Breath Of Heaven	1 gal	113
	Grevillea lanigera `Coastal Gem` / Coastal Gem Grevillea	1 gal	580
	Juncus patens `Elk Blue` / Spreading Rush	1 gal	153
	Lomandra longifolia `Breeze` / Dwarf Mat Rush	1 gal	671
	Pittosporum tobira `Cream De Mint` TM / Cream De Mint Dwarf Mock Orange	1 gal	848
	Pittosporum tobira `Variegata` / Variegated Mock Orange	5 gal	89
	Rosmarinus officinalis `Collingwood Ingram` / Rosemary	1 gal	1,183
	Salvia leucophylla `Point Sal` / Purple Leaf Sage	5 gal	76
	Senecio mandraliscae / Blue Finger	1 gal	125

PLANT SCHEDULE

PL-1

REVISED BY	DATE REVISED

CALCULATED–DESIGNED BY	CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR
ANN SEVER, PLA

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16
DATE PLOTTED => 12/12/2016
TIME PLOTTED => 2:31 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			98	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

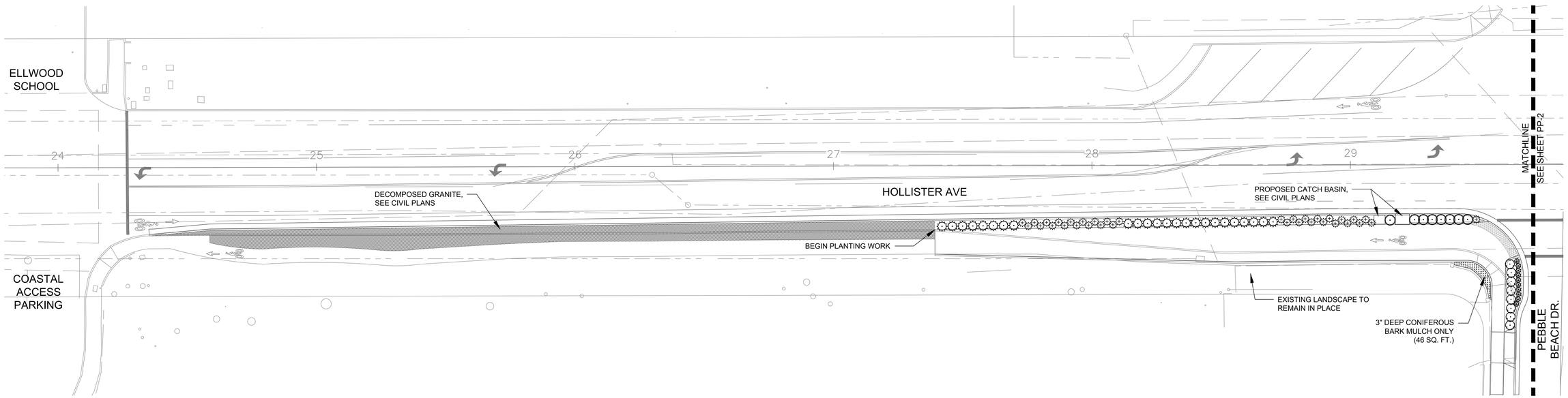
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC. #4038
ANN SEVER
Ann Sever
(SIGNATURE)
STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 PLANTING PLAN

PLANTING PLAN

SCALE 1" = 20'

PP-1

CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA

CALCULATED–DESIGNED BY / CHECKED BY

REVISED BY / DATE REVISED

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16 | DATE PLOTTED => 12/12/2016 | TIME PLOTTED => 2:31 PM

BORDER LAST REVISED 7/2/2010 | USERNAME =>anns | DGN FILE => 1022–05 PLNT.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 00000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			99	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

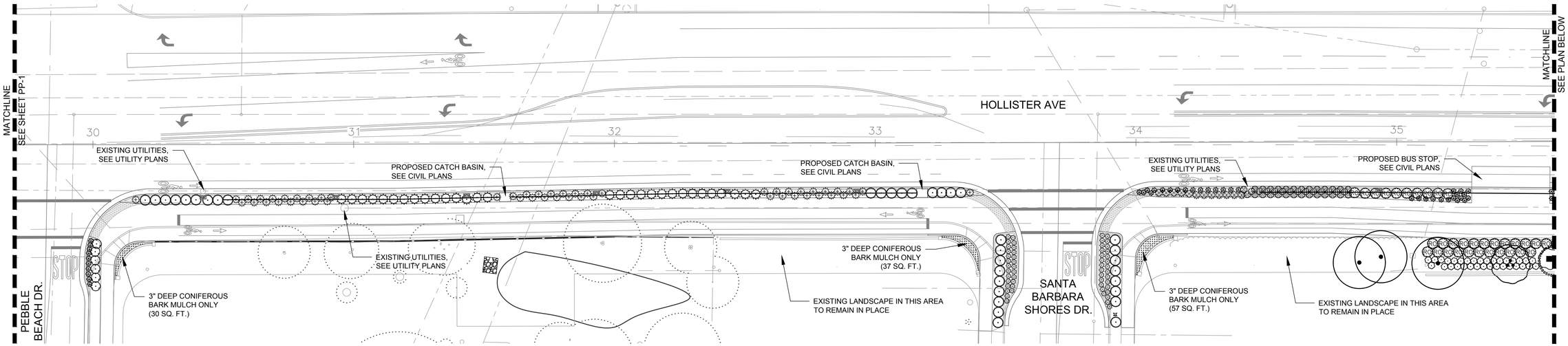
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC #4038
ANN SEVER
(SIGNATURE)
STATE OF CALIFORNIA

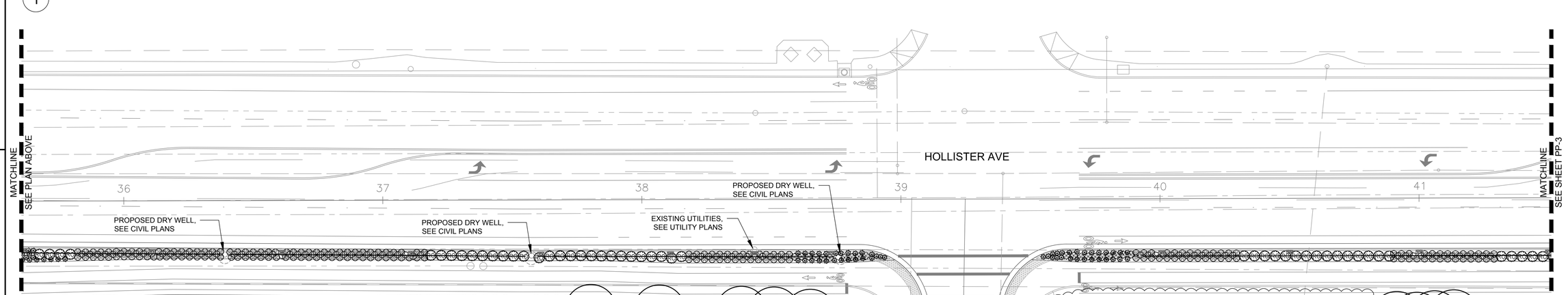
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 PLANTING PLAN



2 PLANTING PLAN

PLANTING PLAN

SCALE 1" = 20'

PP-2

REVISED BY | DATE REVISED
CALCULATED–DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ANN SEVER, PLA
CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16
DATE PLOTTED => 12/12/2016
TIME PLOTTED => 2:31 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			100	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

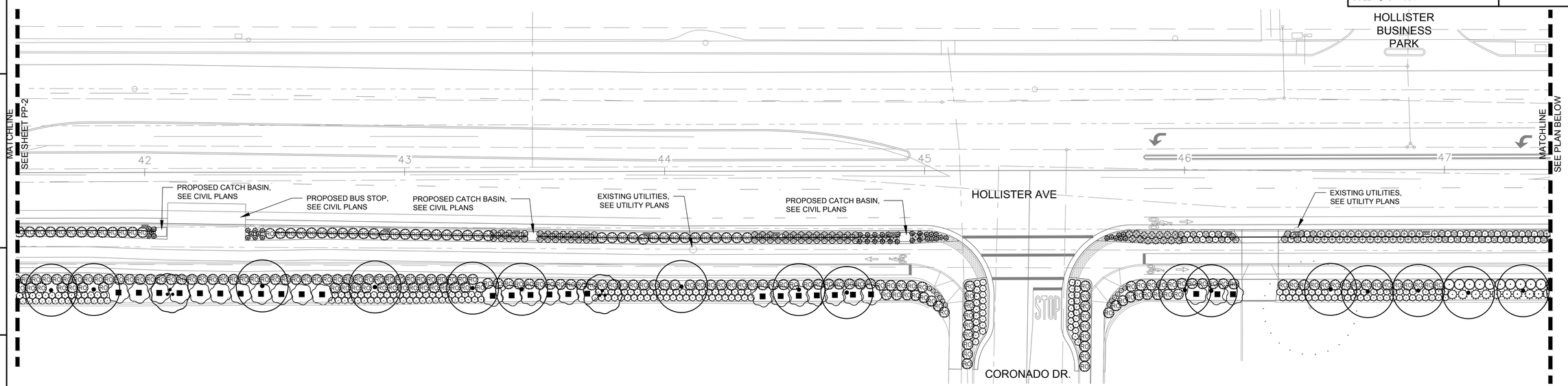
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC #4038
ANN SEVER
(SIGNATURE)
STATE OF CALIFORNIA

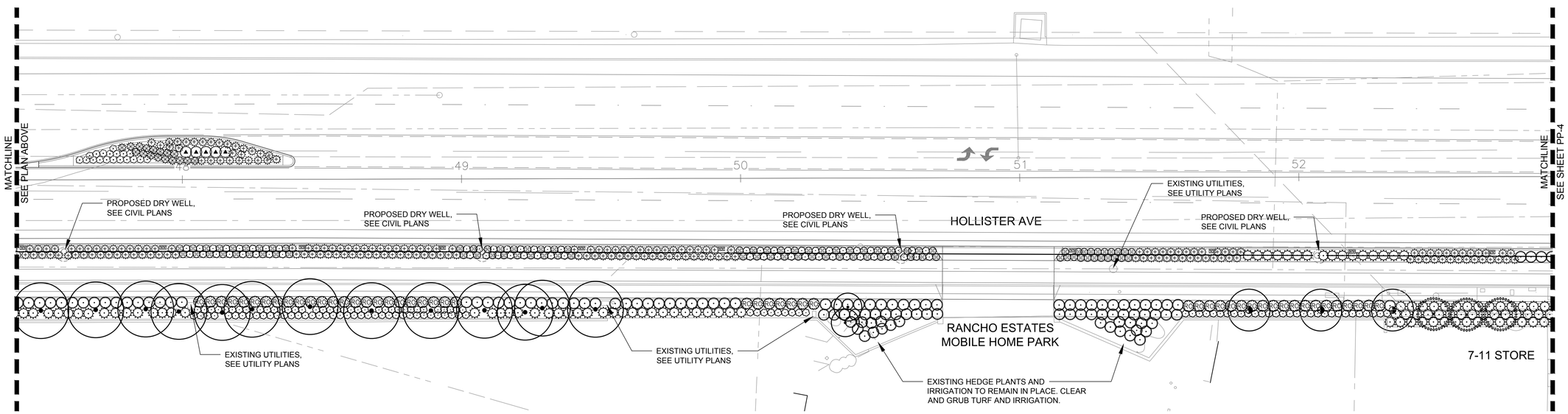
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 PLANTING PLAN



2 PLANTING PLAN

PLANTING PLAN

SCALE 1" = 20'

PP-3

REVISED BY | DATE REVISED

CALCULATED–DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16 | DATE PLOTTED => 12/12/2016 | TIME PLOTTED => 2:31 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			101	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

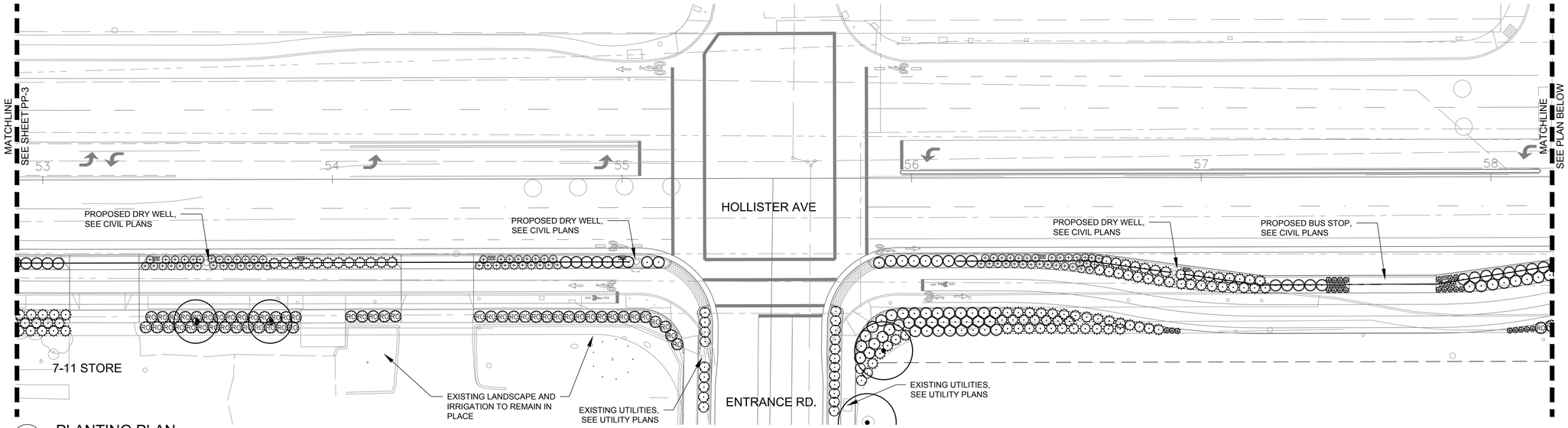
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC. #4038
ANN SEVER
(SIGNATURE)
STATE OF CALIFORNIA

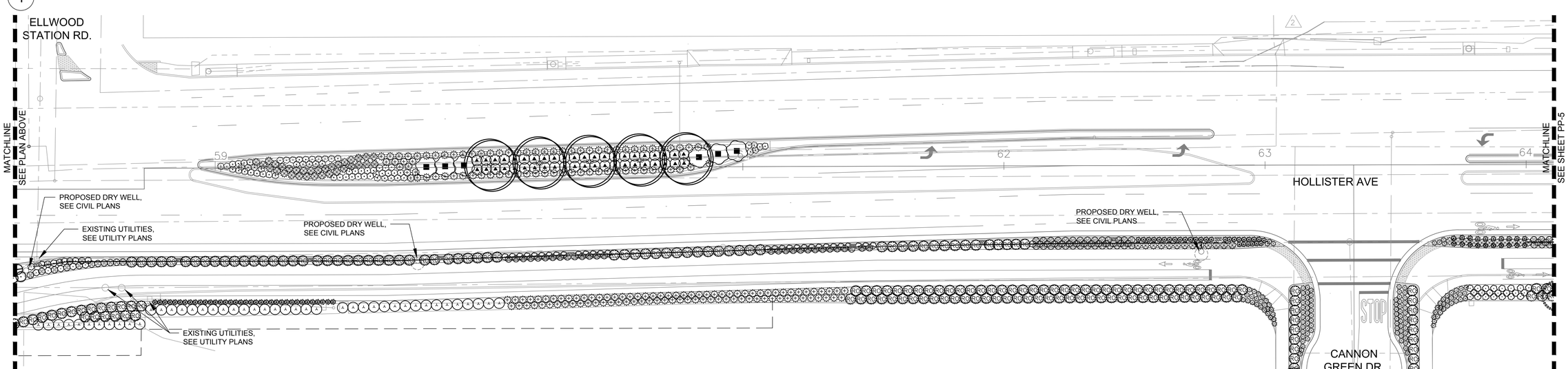
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 PLANTING PLAN



2 PLANTING PLAN

PLANTING PLAN

SCALE 1" = 20'

PP-4

REVISED BY	DATE REVISED

CALCULATED–DESIGNED BY
CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ANN SEVER, PLA

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16
DATE PLOTTED => 12/12/2016
TIME PLOTTED => 2:32 PM

BORDER LAST REVISED 7/2/2010
USERNAME =>anns
DGN FILE => 1022-05 PLNT.dwg
RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3
UNIT 0000
PROJECT NUMBER & PHASE 00000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			102	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

REGISTERED CIVIL ENGINEER — DATE 12/14/2016

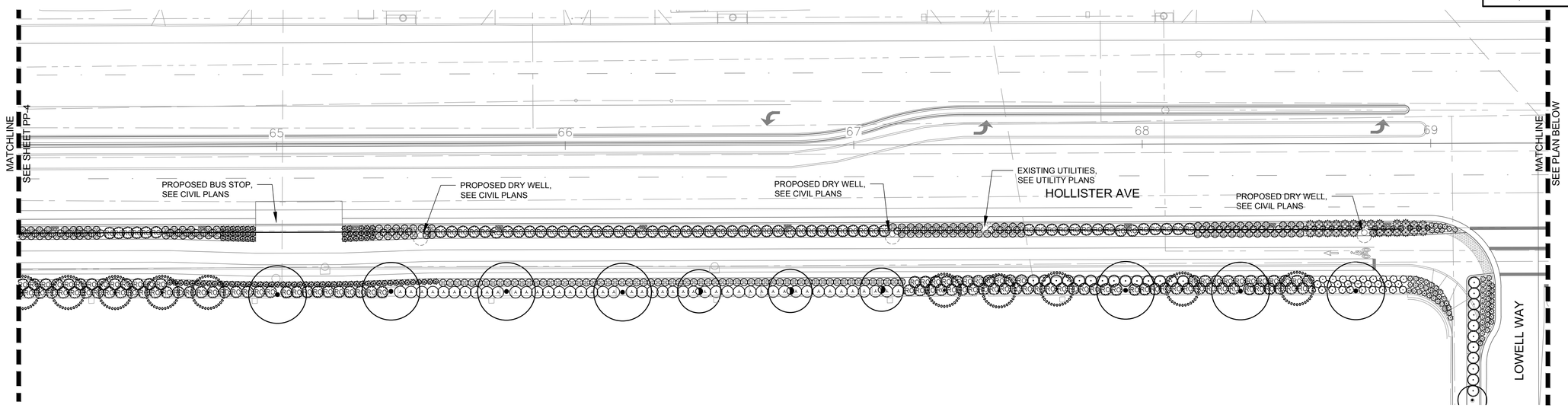
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC #4038
ANN SEVER
(SIGNATURE)
STATE OF CALIFORNIA

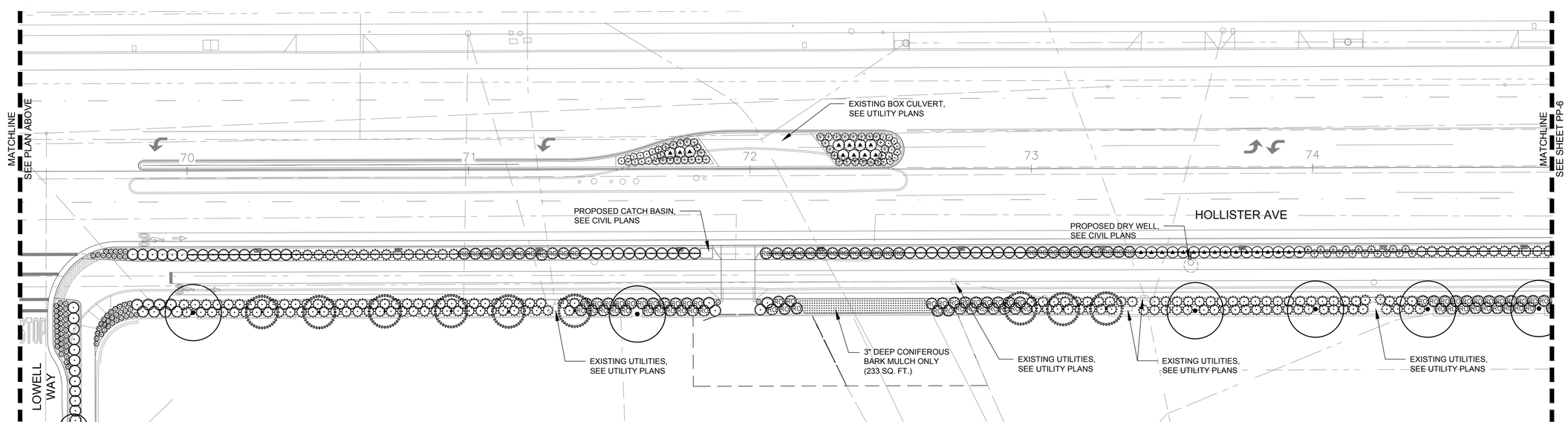
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 PLANTING PLAN



2 PLANTING PLAN

PLANTING PLAN

SCALE 1" = 20'

PP-5

REVISED BY | DATE REVISED
CALCULATED–DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ANN SEVER, PLA
CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16 | DATE PLOTTED => 12/12/2016 | TIME PLOTTED => 2:32 PM

BORDER LAST REVISED 7/2/2010 | USERNAME =>anns | DGN FILE => 1022–05 PLNT.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 00000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			103	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

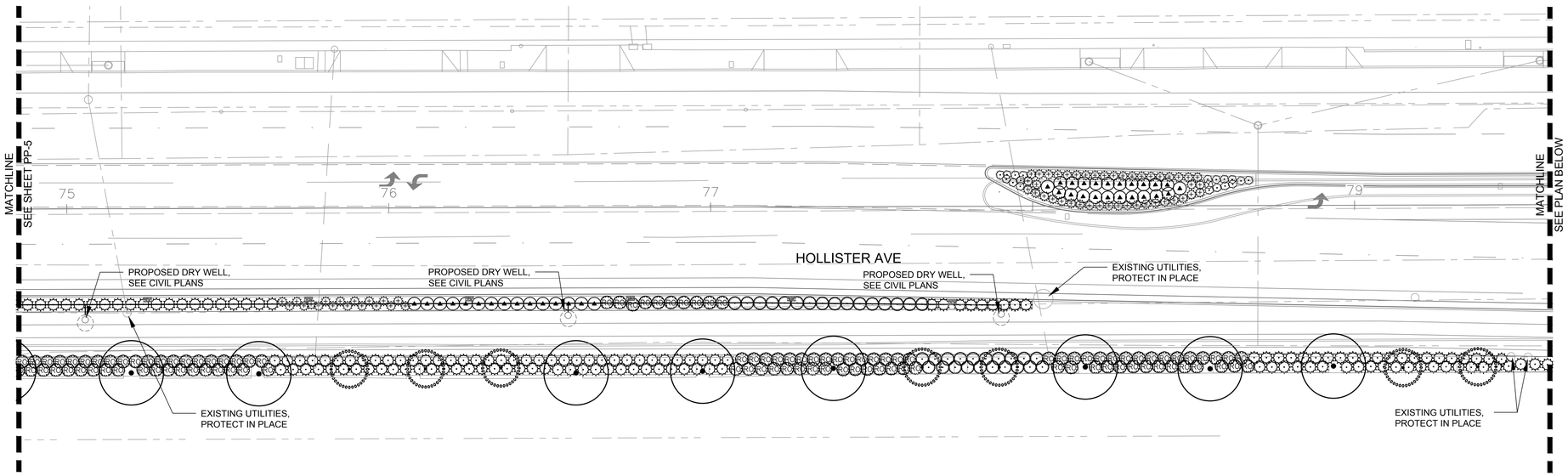
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC #4038
ANN SEVER
Ann Sever
(SIGNATURE)
STATE OF CALIFORNIA

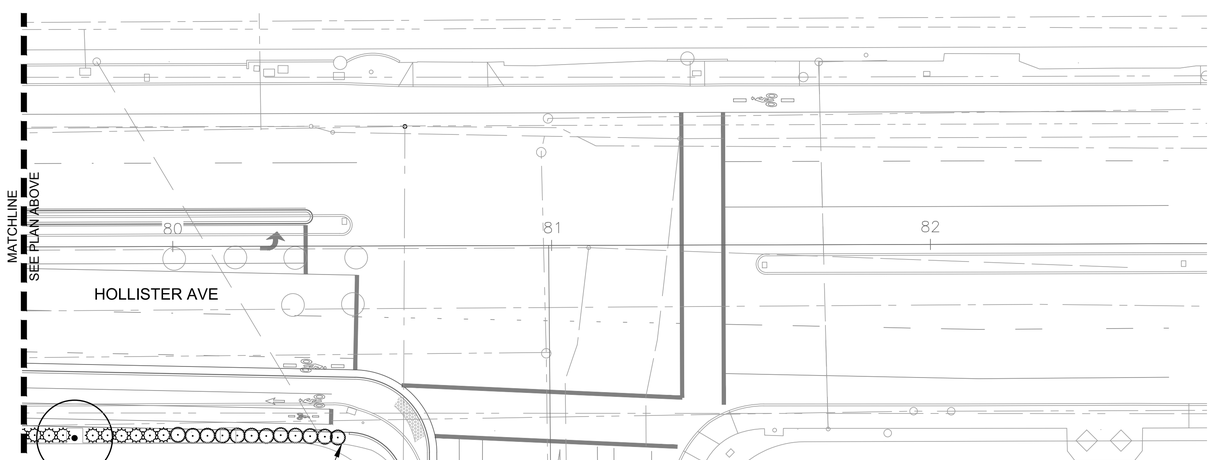
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 PLANTING PLAN



2 PLANTING PLAN

PLANTING PLAN

SCALE 1" = 20'

PP-6

REVISED BY | DATE REVISED

CALCULATED–DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16 | DATE PLOTTED => 12/12/2016 | TIME PLOTTED => 2:32 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			104	112

WALLACE GROUP®
CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES
612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

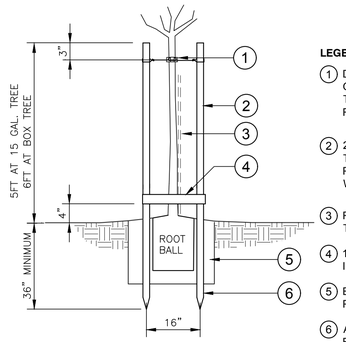
REGISTERED LANDSCAPE ARCHITECT
LIC. #4538
ANN SEVER
(SIGNATURE)
STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

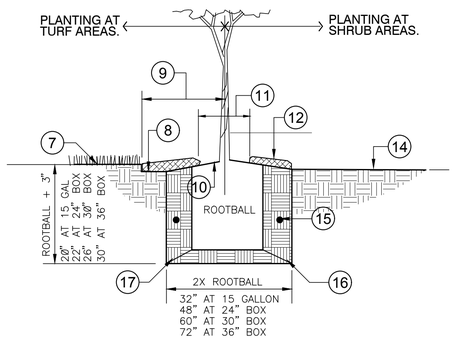
WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



STAKING DETAIL

LEGEND

1. DOUBLE STAKE WITH WIRE: #12 GALVANIZED WIRE THROUGH THE EYE OF "CINCH-TIE" RUBBER SUPPORT
2. 2" DIAMETER LODGEPOLE PINE TREATED TREE STAKES. SET PERPENDICULAR TO PREVAILING WIND
3. REMOVE NURSERY STAKE BY THE END OF MAINTENANCE
4. 1X3 CROSSTIE, AVOID RUBBING INJURY TO TRUNK
5. BACKFILL PLANTING AS PER PLANTING DETAIL
6. AVOID DAMAGE TO THE ROOT BALL WITH THE SUPPORT STAKES



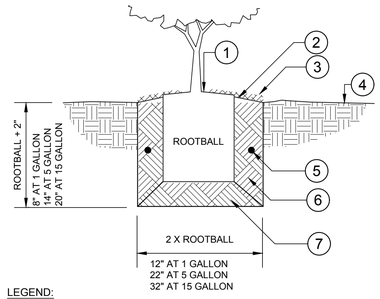
PLANT PIT DETAIL

LEGEND

7. FINISHED GRADE AT LAWN
8. RECESS TURF AREA 1" TO ALLOW FOR MULCH
9. KEEP TURF CLEAR FOR AN 18" RADIUS CIRCLE AROUND THE TREE. MULCH WITH A 3" THICH LAYER OF SHREDDED BARK
10. SET ROOTBALL CROWN 1 1/2" HIGHER THAN THE SURROUNDING FINISHED GRADE. SLOPE BACKFILL AWAY FROM ROOTBALL FOR POSITIVE DRAINAGE
11. KEEP MULCH 6"-8" FROM BASE OF TREE
12. MULCH TO 3" DEPTH
14. FINISHED GRADE AT SHRUBS
15. PLANT TABLETS AS NOTED OR SPECIFIED
16. NATIVE SOIL MIX FIRMLY COMPACTED
17. BACKFILL MIX, SEE NOTES AND SPECIFICATIONS

1 TREE PLANTING DOUBLE STAKE

NO SCALE 329343.19-17

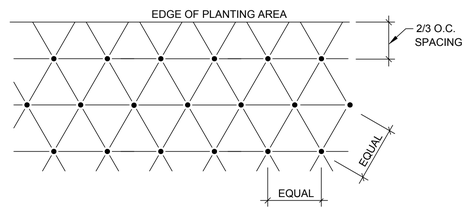


LEGEND:

1. SET ROOTBALL CROWN 1" HIGHER THAN SURROUNDING FINISHED GRADE
2. SLOPE FINISHED GRADE AT BACKFILL AWAY FROM ROOTBALL
3. MULCH 3" DEPTH
4. FINISHED GRADE
5. PLANT TABLETS AS SPECIFIED
6. BACKFILL MIX, SEE NOTES AND SPECIFICATIONS
7. NATIVE SOIL MIX, FIRMLY COMPACTED

2 SHRUB PLANTING

NO SCALE 329333.13-11

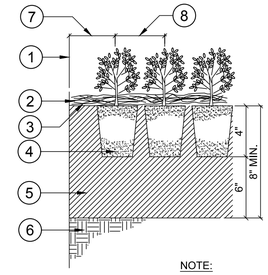


NOTES:

1. ALL SHRUBS/GROUNDCOVER SHALL BE PLANTED AT EQUAL SPACING (TRIANGULAR) UNLESS OTHERWISE INDICATED ON PLANS. SEE LEGEND ON PLANTING PLAN FOR SPACING REQUIREMENTS.
2. ADJUST ROWS AND SPACING AS NEEDED TO UNIFORMLY FILL A NON-LINEAR AREA. PLANT SPACING NOTED ON LEGEND SHALL BE MAXIMUM ALLOWED DIMENSION.

4 SHRUB / GROUND COVER SPACING DIAGRAM

NO SCALE 329313.13-02



LEGEND:

1. EDGE OF PLANTING
2. 3" LAYER OF MULCH
3. FINISH GRADE
4. PLANTS FROM POTS OF LINERS AS REQUIRED
5. PREPARED SOIL MIX, SEE SPECIFICATIONS
6. EXISTING SOIL
7. 2/3 PLAN SPACING
8. SPACING PER PLANS

NOTE:

1. PREPARE FINISH GRADE OF BEDS TO SURFACE DRAIN AWAY FROM WALLS / STRUCTURES

3 GROUND COVER BED PLANTING

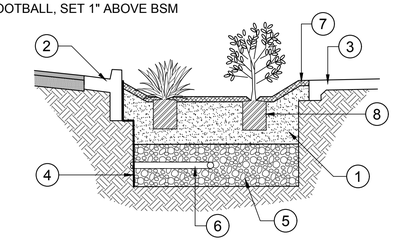
NO SCALE 329313.13-01

LEGEND:

1. BIOSWALE SOIL MIX (BSM) - SEE NOTES
2. CURB AND GUTTER PER CIVIL PLANS
3. SIDEWALK PER CIVIL PLANS
4. WATERPROOF LINER PER CIVIL PLANS
5. CLASS 2 PERMEABLE MATERIAL PER CIVIL PLANS
6. UNDERDRAIN PER CIVIL PLANS
7. 3" DEEP MULCH SEE SPECIFICATIONS
8. ROOTBALL, SET 1" ABOVE BSM

NOTES:

A. BIOSWALE SOIL MEDIA SHALL BE PER SPECIFICATION NUMBER 20-5
B. KEEP MULCH AWAY FROM THE PLANT'S CROWN - MINIMUM 1", MAXIMUM 2"



5 BIOSWALE PLANTING

3/4" = 1'-0" 329815-08

PLANTING NOTES:

1. REFER TO PLANTING PLANS, PLAN NOTES, PLANT LEGEND, AND PLANTING DETAILS FOR ADDITIONAL PLANTING INFORMATION. REFER TO IRRIGATION PLANS, NOTES AND DETAILS FOR RELATED LANDSCAPE WORK.

2. NOTIFY OWNER'S REPRESENTATIVE (REP.) 48 HOURS MINIMUM PRIOR TO COMMENCEMENT OF WORK TO COORDINATE PROJECT INSPECTION SCHEDULE.

3. VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE WORK. IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE OF FIELD CONDITIONS THAT VARY FROM THOSE SHOWN ON DRAWINGS AND SEEK CORRECTIONS AND DIRECTIONS BEFORE PROCEEDING WITH WORK. ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY CORRECTIONS DUE TO FAILURE TO REPORT KNOWN DISCREPANCIES.

4. LOCATE AND MARK ALL EXISTING UTILITIES WHETHER SHOWN HEREON OR NOT. PROTECT FROM DAMAGE ALL UTILITIES, AREAS AND STRUCTURES IN AND AROUND LANDSCAPE WORK AREAS. ASSUME FULL RESPONSIBILITY AND EXPENSE FOR REPAIR AND REPLACEMENT OF DAMAGES CAUSED BY CONTRACTOR.

5. LOCATION OF N.I.C. CONSTRUCTION ELEMENTS SUCH AS LIGHTS, SIGNS, VENTS, HYDRANTS, TRANSFORMERS, AND OTHER STRUCTURES OR ELEMENTS ARE APPROXIMATE. CONTRACTOR SHALL VERIFY FIELD CONDITIONS WHETHER SHOWN HEREON OR NOT. WHEN SHOWN ITEMS DO NOT CORRESPOND TO FIELD CONDITIONS, REPORT DISCREPANCIES TO OWNER'S REP. FOR CLARIFICATIONS AND INSTRUCTIONS PRIOR TO PROCEEDING WITH WORK.

6. PLANTING ACCESSORIES & MATERIAL:
   - A. TREE TIE: CINCH TIE, BY V.I.T. PRODUCTS, 800-729-1314, OR APPROVED EQUAL
   - B. FERTILIZER TABLETS: AGRIFORM 20-10-5, OR APPROVED EQUAL. THREE 20-GRAM TABLETS FOR 15 GALLON OR LARGER SIZE TREES, TWO 10-GRAM TABLETS FOR 5 GALLON SIZE PLANTS, AND ONE 10-GRAM TABLET FOR 1 GALLON SIZE.
   - C. ROOT BARRIER: "TRIFLURALIN" PELLET IMPREGNATED FILAMENT FABRIC IN 50 CM WIDE ROLLS, BY BIO-BARRIER, 800-382-8467, OR APPROVED EQUAL
   - D. MULCH: SHREDDED BARK MULCH. SUBMIT SAMPLE FOR APPROVAL.

7. PRE-PLANTING PREPARATION:
   - A. PROCEED WITH PLANTING WORK ONLY AFTER IRRIGATION WORK IS COMPLETED, TESTED, AND APPROVED BY OWNER'S REP. PROTECT IRRIGATION SYSTEM FROM DAMAGE.
   - B. ROUGH GRADE PLANTING AREAS UNIFORMLY SMOOTH, DEVOID OF DEPRESSIONS, TO CONFORM TO THE GRADING PATTERNS ESTABLISHED BY CIVIL ENGINEERING DRAWINGS. ENSURE POSITIVE WATER REMOVAL AT 2% MINIMUM GRADIENT TO DRAINAGE ELEMENTS OR STRUCTURES PROVIDED BY OTHERS. NOTIFY OWNER'S REP. WHEN ADDITIONAL AREA DRAINS AND SUBSURFACE DRAINAGE ARE REQUIRED FOR PROPER DRAINAGE OF PLANTING AREAS.
   - C. ENSURE POSITIVE DRAINAGE AWAY FROM BUILDING WALLS AND FOUNDATIONS FOR PLANTING AREAS ADJACENT SUCH STRUCTURES, AT 2% GRADIENT MINIMUM.
   - D. REMOVE ALL ROCKS GREATER THAN 2" DIAMETER AND ALL DEBRIS AND DELETERIOUS MATERIAL FROM PLANTING AREAS.
   - E. PREPARE BACKFILL MIX AND PLANTING BEDS PER SOIL TEST REPORT'S RECOMMENDATIONS.

8. SOIL SAMPLE TESTING: AFTER ROUGH GRADING, COLLECT ONE REPRESENTATIVE SOIL SAMPLE FROM THE TOP 12 INCHES OF SOIL AND SUBMIT IT TO SOIL AND PLANT LABORATORY, 1594 N. MAIN STREET, ORANGE, CA 92613, TEL: 714-282-8777, FOR A05 SOIL ANALYSIS (FERTILITY, AGRICULTURAL SUITABILITY, AND PHYSICAL APPRAISAL) AND REPORT. SOIL REPORT SHALL INCLUDE FERTILIZER AND SOIL ORGANIC AMENDMENT RECOMMENDATIONS FOR PLANTING WORK (AND HYDROSEEDING WHEN APPLICABLE).

9. PLANTING SOILS:
   - A. IMPORTED TOPSOIL FOR MEDIAN PLANTING AREAS: COMPLY WITH SPECIFICATION SECTION 21.
   - B. AMENDED SITE SOIL AT BACK OF WALK IN PLANTING AREAS: PREPARE IN ACCORDANCE TO SOIL TEST REPORT'S RECOMMENDATIONS, ADDING AMENDMENTS, FERTILIZER, AND OTHER MATERIAL AS REQUIRED TO SITE TOP SOIL.
   - C. BIORETENTION SOIL MIX: COMPLY WITH SPECIFICATION SECTION 20-5.

10. PLANTS: ALL PLANTS OF THE SAME SPECIES/CULTIVAR/VARIETY SHALL HAVE MATCHING FORM, FLOWER COLOR, AND SIZE, IN HEALTHY AND THRIVING CONDITION, FREE FROM INJURIES, DISEASES, PESTS AND ROOT-BOUND OR GIRDLING ROOTS. REPLACE REJECTED PLANTS WITH MATCHING SPECIES, SIZE AND FORM.

11. PLANTING:
   - A. IRRIGATE PLANTING AREAS TO BRING TOP 6" OF SOIL TO FIELD CAPACITY. ALLOW SOIL TO DRAIN. DO NOT WORK SOIL UNTIL IT RETURNS TO A MOIST FRIABLE CONDITION. TREE EXCAVATIONS MAY REQUIRE ADDITIONAL IRRIGATION. FLOOD TREE PITS AS REQUIRED TO MOISTEN SUBGRADE.
   - B. PLACE PLANTS IN THEIR CONTAINERS AT THE LOCATIONS PER PLANS FOR APPROVAL BY OWNER'S REP. MAKE MINOR ADJUSTMENTS AS REQUIRED BY FIELD CONDITIONS AND TO ALLOW OPTIMAL IRRIGATION COVERAGE.
   - C. PLANT QUANTITIES GIVEN ON PLANT LEGEND ARE FOR GENERAL GUIDANCE ONLY. PROVIDE THE SPECIFIED PLANT SPECIES IN THE QUANTITIES AT THE REQUIRED SPACING TO ACHIEVE THE DESIGN EFFECT/INTENT SHOWN ON THE PLANS.
   - D. PLANT GROUND COVER AND SHRUB MASSES ACCORDING TO TRIANGULATED SPACING DIAGRAM UNLESS OTHERWISE SHOWN OR NOTED.
   - E. FOR TREES WITHIN 5 FEET OF PAVEMENT, PRIOR TO TREE PLACEMENT, INSTALL ROOT BARRIER FABRIC WITH ROOT INHIBITING PELLETS ALL AROUND THE PLANT PIT, WITH 4" MINIMUM END OVERLAP.
   - F. PLANT TREES, SHRUBS, AND GROUND COVERS AS SHOWN ON DETAILS.
   - G. INSTALL 3" DEEP CONIFEROUS BARK MULCH IN AREAS SHOWN OR INDICATED.

12. 90-DAY MAINTENANCE PERIOD: MAINTAIN PLANTINGS IN THRIVING CONDITION USING ACCEPTED INDUSTRY PRACTICES FOR WATERING, FERTILIZING, PRUNING AND MOWING. MAINTAIN TREE STAKES AND GUYING ASSEMBLIES IN PROPER POSITIONS. REPLACE PLANTS THAT DIE OR FAIL TO ESTABLISH IN THRIVING CONDITION WITH SPECIES, SIZE AND FORM MATCHING OTHERS ON SITE. REPAIR OR REPLACE BROKEN IRRIGATION COMPONENTS.

13. WARRANTY: WARRANT PLANT MATERIAL AND IRRIGATION SYSTEM FOR ONE YEAR FROM FINAL ACCEPTANCE OF COMPLETED WORK. REPLACE DEAD OR DYING PLANTS AND BROKEN IRRIGATION COMPONENTS WITHIN THIS PERIOD.

PLANTING DETAILS

PPD-1

REVISED BY	DATE REVISED

CALCULATED-DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06-05-16 | DATE PLOTTED => 12/12/2016 | TIME PLOTTED => 2:32 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			105	112

REGISTERED CIVIL ENGINEER — DATE 12/14/2016

PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT — LIC. #4038 ANN SEVER (SIGNATURE) STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

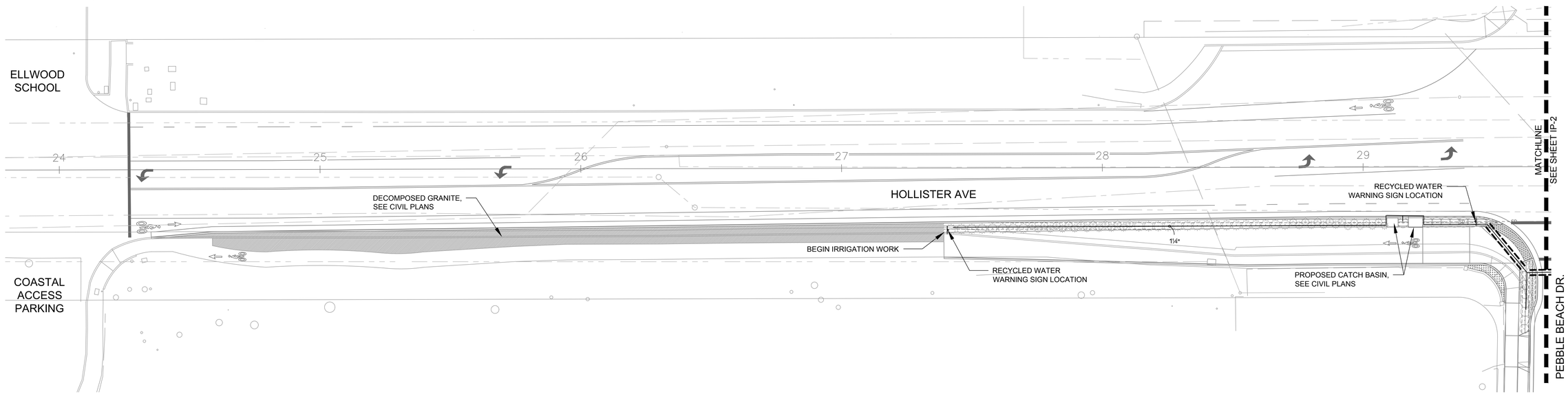
CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401

WALLACE GROUP®
CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES
612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

IRRIGATION NOTES:

1. THE SYSTEM DESIGN SHOWN IS BASED UPON A MINIMUM PRESSURE OF 60 PSI AT A MAXIMUM DISCHARGE OF 50 GPM. VERIFY PRESSURE AND FLOW ON SITE PRIOR TO CONSTRUCTION WORK AND REPORT ANY DISCREPANCIES TO THE OWNER'S REPRESENTATIVE.
2. ALL WORK SHALL CONFORM TO GOLETA WATER DISTRICT AND STATE CODES AND ORDINANCES AND THE PLANS, SPECIFICATIONS, DETAILS AND NOTES FOR THIS PROJECT. READ THOROUGHLY AND BECOME FAMILIAR WITH THE SPECIFICATIONS AND INSTALLATION DETAILS FOR THIS AND RELATED WORK PRIOR TO CONSTRUCTION.
3. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS, INCLUDING, BUT NOT LIMITED TO, UNDERGROUND UTILITIES AND STRUCTURES. COORDINATE ALL WORK WITH CIVIL, AND ELECTRICAL WORK AND TRADES TO MINIMIZE CONFLICTS. THE WORK INCLUDES THE RESPONSIBILITY FOR THE INSTALLATION OF IRRIGATION SLEEVING AND CROSSOVERS. CONTRACTOR SHALL COORDINATE SLEEVE AND CROSSOVER INSTALLATION AND SEQUENCE HIS WORK WITH ALL WORK AND DISCIPLINES AS REQUIRED.
4. LAYOUT SHOWN IS DIAGRAMMATIC. IRRIGATION PIPING AND COMPONENTS MAY BE SHOWN OUTSIDE PLANTING AREAS FOR CLARITY. INSTALL IRRIGATION PIPING AND WIRING IN LANDSCAPED AREAS WHENEVER POSSIBLE. INSTALL IRRIGATION VALVES IN GROUND COVER OR SHRUB AREAS. AVOID CONFLICTS BETWEEN THE IRRIGATION SYSTEM, PLANTING MATERIAL, AND ARCHITECTURAL FEATURES.
5. DO NOT PROCEED WITH THE INSTALLATION OF THE SYSTEM WHEN IT IS EVIDENT THAT FIELD CONDITIONS OR DIFFERENCES EXIST THAT COULD NOT HAVE BEEN CONSIDERED IN ENGINEERING OR IF DISCREPANCIES IN CONSTRUCTION DRAWINGS, DETAILS, NOTES AND SPECIFICATIONS ARE DISCOVERED. BRING ALL SUCH DIFFERING FIELD CONDITIONS AND DISCREPANCIES TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE.
6. SEE LEGEND FOR PIPING MATERIAL. SEE DRAWINGS AND LEGEND FOR PIPE SIZES. SIZE CALLOUTS ON DRAWINGS INDICATE NOMINAL PIPE SIZE. UNLABELED SECTIONS ARE THE NOMINAL SIZE OF THE PRECEDING CALLOUT. SUBSEQUENT CALLOUTS INDICATE CHANGE IN PIPE SIZE.
7. UNLESS OTHERWISE NOTED, TRENCHING DEPTHS FOR IRRIGATION SHALL BE 18" FOR MAINLINES AND 12" FOR LATERALS. DEPTH SHALL BE MEASURED FROM THE TOP OF PIPE TO FINISHED SOIL LEVEL.
8. COORDINATE IRRIGATION PIPING, SLEEVES AND EQUIPMENT INSTALLATION WITH ROADWAY PLANS. MUST NOT IMPACT BIORETENTION PERFORATED PLASTIC PIPE AND DRAINAGE SYSTEM.
9. INSTALL CONCRETE THRUST BLOCKS ON ALL MAINLINES THREE (3) INCHES AND LARGER IN DIAMETER IN ACCORDANCE WITH LOCAL CODES AND STANDARDS OR ASAE STANDARD S376.1.
10. ALL MAINLINES, LATERALS, AND CONTROL WIRES UNDER CONCRETE PATH PAVEMENT SHALL BE INSTALLED IN SCHEDULE 80 PVC PIPE SLEEVES. SLEEVES SHALL EXTEND 18" BEYOND EDGE OF PAVEMENT AND SHALL HAVE ENDS CLEARLY MARKED ABOVE GRADE DURING CONSTRUCTION.
11. ALL MAINLINES, LATERALS AND CONTROL WIRES UNDER EXISTING ROADS SHALL BE INSTALLED VIA DIRECTIONAL BORE IN 10" WELDED STEEL PIPE CROSSOVERS. CONTROL WIRES SHALL BE INSTALLED IN THE WELDED STEEL PIPE WITHIN AN ADDITIONAL 1.5" SCHEDULE 40 PVC PIPE SLEEVE. CROSSOVERS SHALL EXTEND 24" BEYOND EDGE OF PAVEMENT SEE STANDARD DETAILS IN SPECIFICATIONS.
12. PRIOR TO BACKFILLING, FLUSH AND TEST MAINS AND LATERALS. FLUSH MAINS BEFORE INSTALLING VALVES. FLUSH LATERALS BEFORE INSTALLING SPRINKLERS. SUBJECT MAINS TO HYDROSTATIC PRESSURE OF 1.5 TIMES THE ANTICIPATED OPERATING PRESSURE (MIN. 100 PSI) FOR TWO HOURS. SUBJECT LATERALS TO HYDROSTATIC PRESSURE EQUAL TO ANTICIPATED OPERATING PRESSURE. ALL FLUSHING SHALL BE DONE IN THE PRESENCE OF THE ARCHITECT. BACKFILL WITH CLEAN MATERIAL FROM EXCAVATION. REMOVE ROCKS AND DEBRIS LARGER THAN 1" DIAMETER.
13. THE FINAL LOCATION OF THE IRRIGATION CONTROLLER SHALL BE APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION. THE 120V ELECTRICAL SUPPLY SHALL BE BY OTHERS. THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING THE FINAL CONNECTION TO THE CONTROLLER IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS AND LOCAL ELECTRICAL CODES.
14. INSTALL ONE (1) AWG #14 CONTROL WIRE (RED) FROM THE CONTROLLER TO EACH REMOTE CONTROL VALVE. INSTALL ONE (1) AWG #14 WIRE (GREEN) FROM THE CONTROLLER TO THE MOST REMOTE REMOTE CONTROL VALVE ALONG EACH BRANCH OF WIRING RUNS FOR USE AS A SPARE CONTROL WIRE. INSTALL ONE (1) AWG #12 WIRE (WHITE) FOR COMMON GROUND. COIL THREE (3) FEET OF WIRE IN EACH VALVE OR SPLICE BOX. USE 3M DBY SPLICE KITS FOR ALL WIRE CONNECTIONS AND SPLICES.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLETE AND UNIFORM COVERAGE OF ALL PLANTED AREAS. ADJUST REMOTE CONTROL VALVE PRESSURE REGULATOR AND FLOW CONTROL TO BALANCE EACH LATERAL SYSTEM AND TO ENSURE PROPER VALVE CLOSURE TIME.
16. RECYCLED WATER:
    A. INSTALL WARNING SIGNS STATING "CAUTION - RECYCLED WATER - DO NOT DRINK," AT LOCATIONS SHOWN ON THE PLANS.
    B. ALL IRRIGATION PIPES SHALL BE PURPLE IN COLOR.
    C. ALL IRRIGATION VALVE BOXES SHALL BE PURPLE IN COLOR AND STAMPED WITH "RW" ON THE LID. MINIMUM LETTER SIZE SHALL BE ¾" HIGH.



1 IRRIGATION PLAN

IRRIGATION SCHEDULE

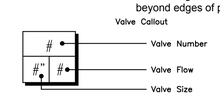
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY	PSI
1401 1402	Rain Bird RWS-M-B-C-P Mini Root Watering System with 4.0" diameter x 18.0" long with locking grate, semi-rigid mesh tube and Rain Bird 1401 0.25 gpm or 1402 0.5 gpm bubbler as indicated. With Check Valve and Purple Grate.	114	30

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Toro DZK-700-1-MF Medium-Flow Drip Control Valve Kit. With 1" Irritrol 700 UltraFlow Inline Valve, Toro Y-Filter, and Medium-Flow Pressure Regulator and Fittings. 5gpm-20gpm.	2
	Toro DZK-700-1-LF Low Flow Drip Control Valve Kit. With 1" Irritrol 700 UltraFlow Inline Valve, Toro Y-Filter, and Low-Flow Pressure Regulator and Fittings. 0.25gpm-8gpm.	1
	Area to Receive Dripline Toro T-PCE-1810-12 (500) Purple Drip-In Pressure Compensating Landscape Dripline for effluent water. 1.0GPH emitters at 12.0" O.C. Dripline laterals spaced at 12.0" apart.	53,492 s.f.

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Toro TPV-F-100-MM W/EFF-Kit-60Hz 1" Electric, Remote Control Valve. DBS (Debris Bypass System) Technology for dirty water. Male x Male Thread, with Flow Control, Recycled Water Solenoid Assembly and Watering Tag	7
	Irritrol 700 with OMR-100 1.5" Drip Control Valve Assembly, with Omni-Reg 5-100 psi regulator, High-Flow. With Toro Y-Filter, and 2 Medium-Flow Pressure Regulators and Fittings. 15gp,-60gpm.	23
M	Toro P220S-26-08 GLOBE 2" Plastic Electric Master Valve, 2", with a Standard Solenoid. Used for Reclaimed Water and other non-potable water systems. Globe Body Configuration.	1
C	Irritrol MC-36-E 36- Station, Commercial-Grade, Outdoor Controller. Equipped in a rugged, lockable, vandal-proof, weather resistant steel cabinet. Provide Pedestal P-6B. Compatible with Irritrol`s Climate Logic.	1
WS	Irritrol CL Wireless Weather Sensing System. 100-Receive and Transmitter Kit. Outdoor sensor, and receiver attaches to Controller. Verify with City Representative for installation location of weather sensing equipment, install on adjacent wall or approved pole.	1
FS	Toro TFS 1/2", 3/4", 1", 1-1/2", 2", 3", and 4" Plastic Tee Sizes. Effective Flow Monitoring, even in flows less than 5 GPM. Compatible with TORO and competitive controllers. Impeller-based, PVC Design.	1
POC	1" Recycled Water Meter The water meter will be installed by Goleta Water	1

SYMBOL	MANUFACTURER/MODEL/DESCRIPTION	QTY
	Irrigation Lateral Line: PVC Schedule 40 PVC Schedule 40 irrigation pipe. Only lateral transition pipe sizes 1" and above are indicated on the plan, with all others being 3/4" in size. All pipe shall be purple in color.	11,862 l.f.
	Irrigation Mainline: PVC Schedule 40 Mainlines shall be purple color and embossed or integrally stamped/marked continuously on two sides with the words "CAUTION: RECYCLED WATER - DO NOT DRINK" and identified with AWWA Guidelines in the Distribution of Non-Potable Water.	5,130 l.f.
	Pipe Sleeve: CPVC Schedule 80 Typical pipe sleeve for irrigation pipe. Pipe sleeve size shall allow for irrigation piping and their related couplings to easily slide through sleeving material. Extend sleeves 18 inches beyond edges of paving or construction.	1,502 l.f. NOTE: 450 FEET OF THE ABOVE L.F. IS 10" WELDED STEEL PIPE FOR DIRECTIONAL BORE CROSSOVERS.

Valve Callout



IRRIGATION PLAN & SCHEDULE

SCALE 1" = 20'

IP-1

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS
CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA
CALCULATED– DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 06–05–16
DATE PLOTTED => 12/12/2016
TIME PLOTTED => 2:35 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			106	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

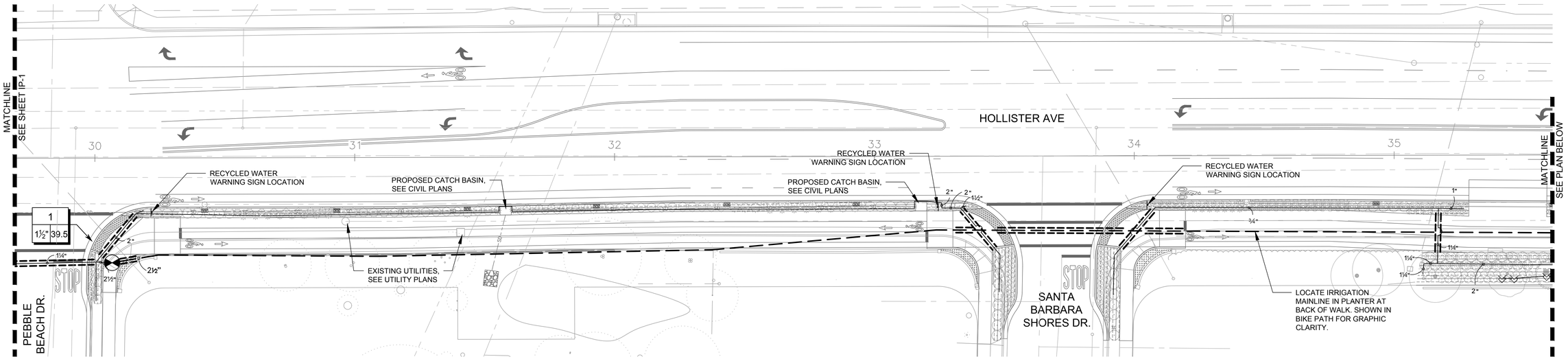
REGISTERED LANDSCAPE ARCHITECT
LIC. #4038
ANN SEVER
Ann Sever (SIGNATURE)
STATE OF CALIFORNIA

PLANS APPROVAL DATE

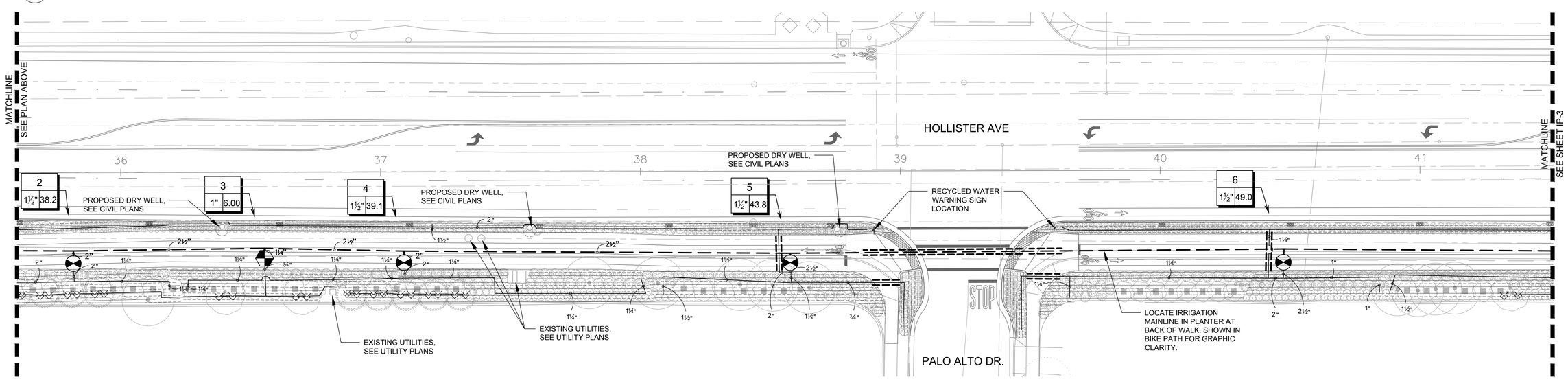
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 IRRIGATION PLAN



2 IRRIGATION PLAN

IRRIGATION PLAN

SCALE 1" = 20'

IP-2

REVISED BY | DATE REVISED
CALCULATED– DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR
ANN SEVER, PLA
CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16
DATE PLOTTED => 12/12/2016
TIME PLOTTED => 2:35 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			107	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

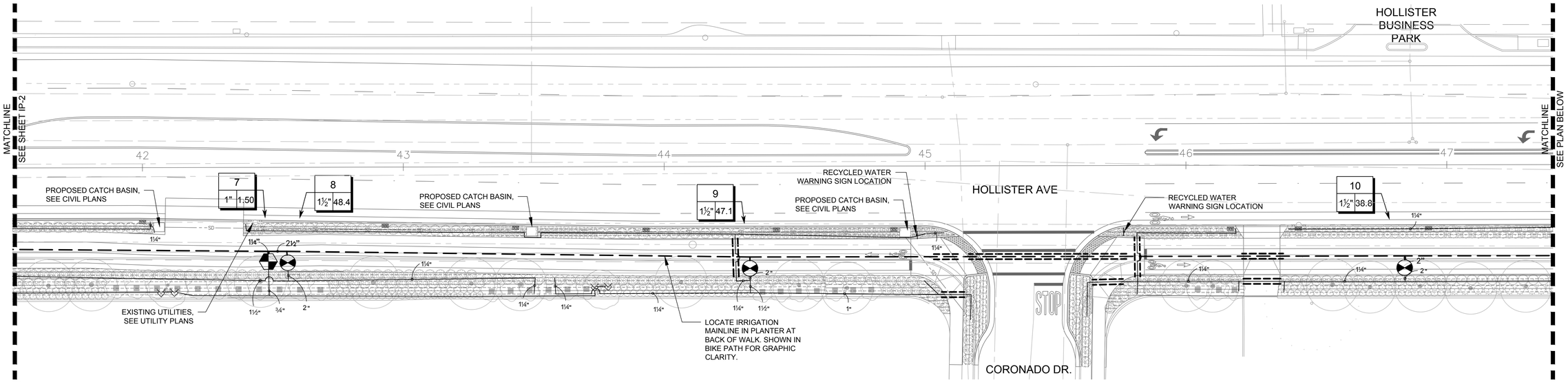
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC. #4038
ANN SEVER
(SIGNATURE)
STATE OF CALIFORNIA

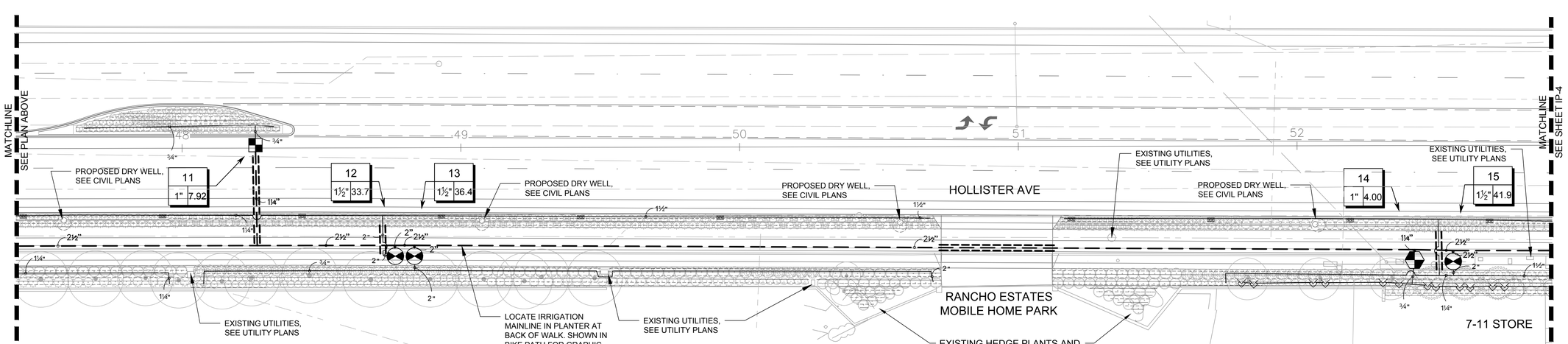
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 IRRIGATION PLAN



2 IRRIGATION PLAN

IRRIGATION PLAN

SCALE 1" = 20'

IP-3

REVISED BY	DATE REVISED

CALCULATED–DESIGNED BY | CHECKED BY

CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16 | DATE PLOTTED => 12/12/2016 | TIME PLOTTED => 2:36 PM

BORDER LAST REVISED 7/2/2010 | USERNAME =>anns | DGN FILE => 1022-05 IRRG.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 00000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			108	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

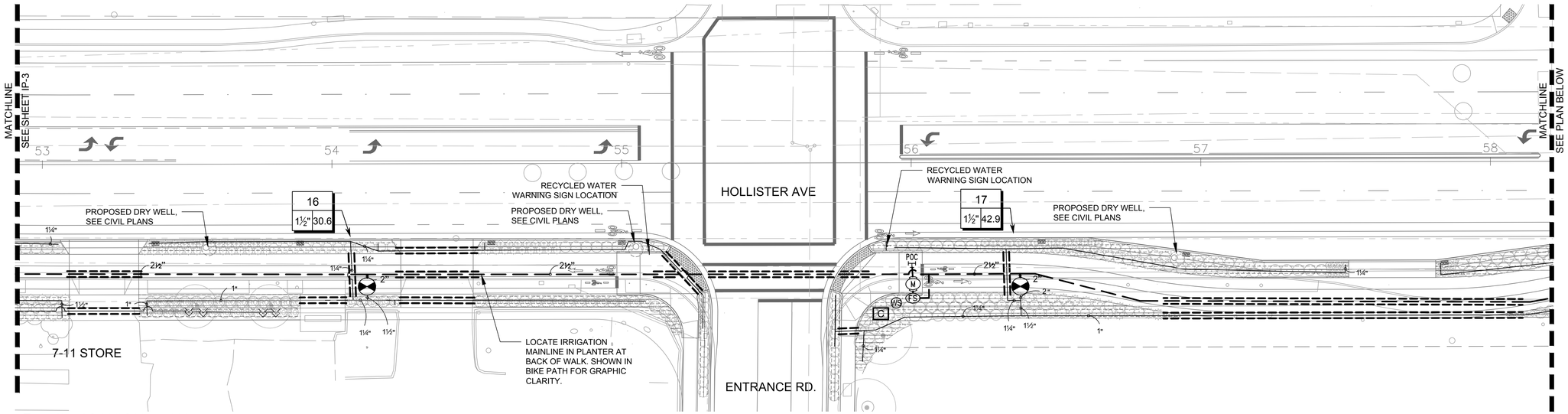
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC. #4038
ANN SEVER
(SIGNATURE)
STATE OF CALIFORNIA

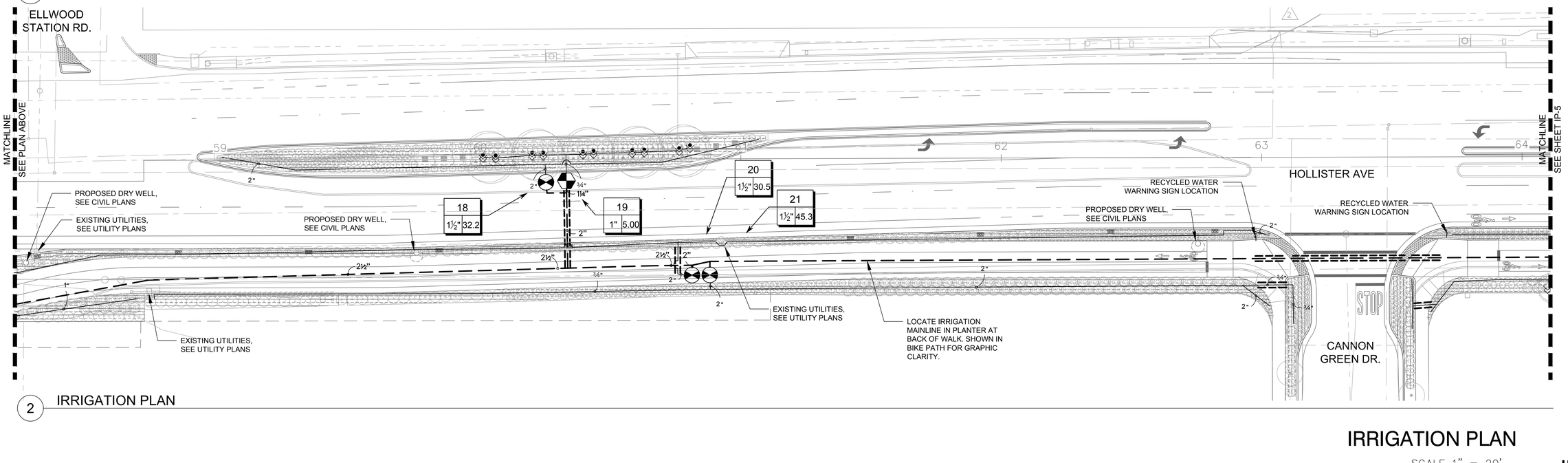
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 IRRIGATION PLAN



2 IRRIGATION PLAN

IRRIGATION PLAN

SCALE 1" = 20'

IP-4

REVISED BY | DATE REVISED
CALCULATED-DESIGNED BY | CHECKED BY
CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA
CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06-05-16 | DATE PLOTTED => 12/12/2016 | TIME PLOTTED => 2:36 PM

BORDER LAST REVISED 7/2/2010 | USERNAME =>anns | DGN FILE => 1022-05 IRRG.dwg | RELATIVE BORDER SCALE IS IN INCHES 0 1 2 3 | UNIT 0000 | PROJECT NUMBER & PHASE 00000000000

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			109	112

WALLACE GROUP®
CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES
612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

REGISTERED CIVIL ENGINEER — DATE 12/14/2016

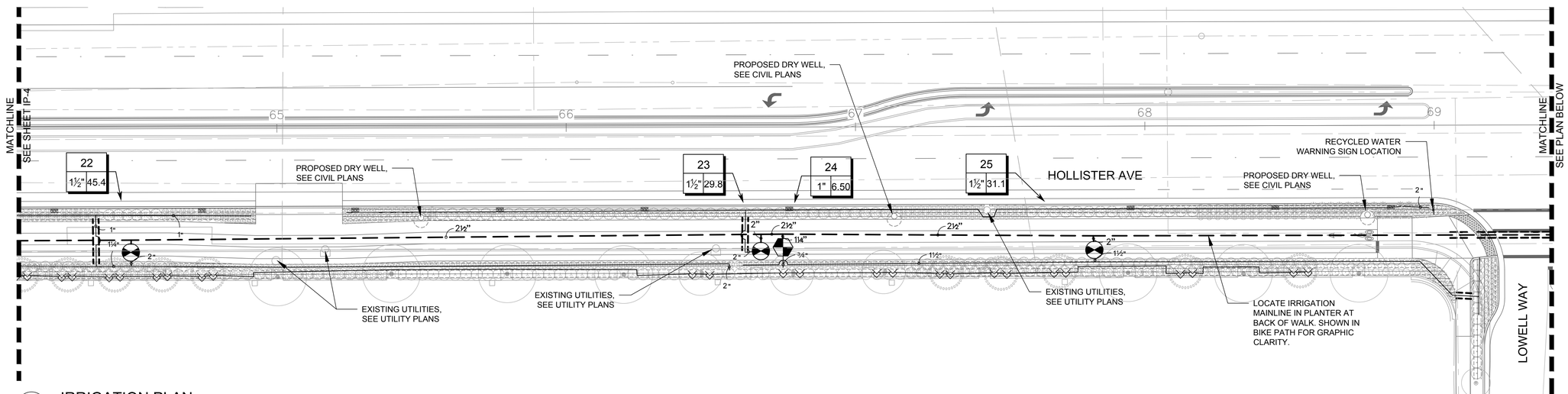
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT — LIC. #4038 ANN SEVER — (SIGNATURE) — STATE OF CALIFORNIA

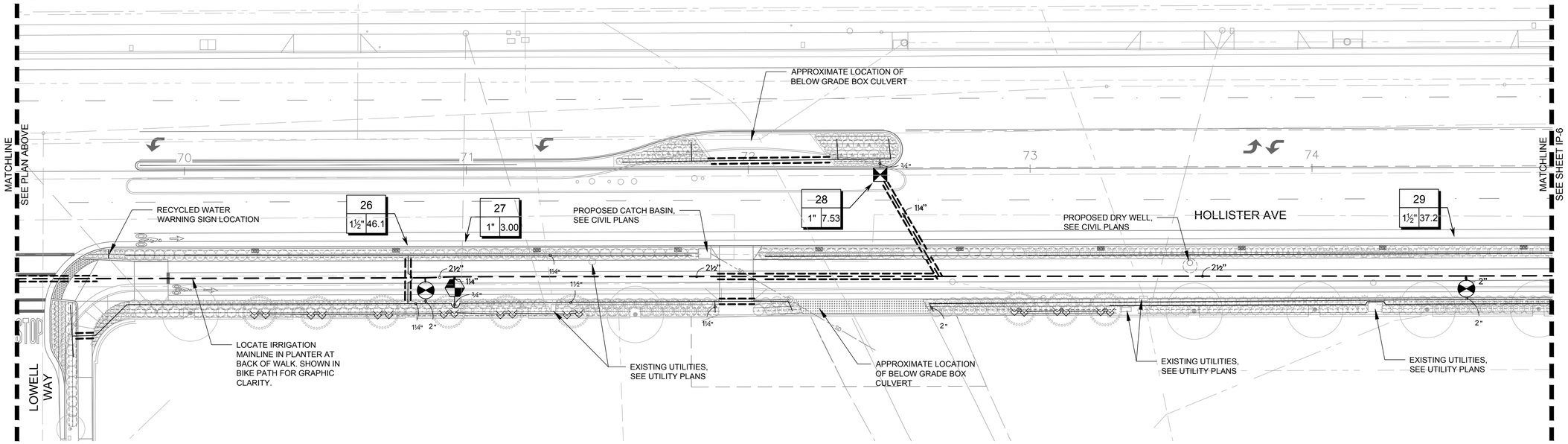
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 IRRIGATION PLAN



2 IRRIGATION PLAN

IRRIGATION PLAN

SCALE 1" = 20'

IP-5

CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

REVISED BY | DATE REVISED | CALCULATED–DESIGNED BY | CHECKED BY

LAST REVISION 06–05–16 | DATE PLOTTED => 12/12/2016 | TIME PLOTTED => 2:36 PM

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			110	112

WALLACE GROUP®

CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES

612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Ann Sever 12/14/2016
REGISTERED CIVIL ENGINEER DATE

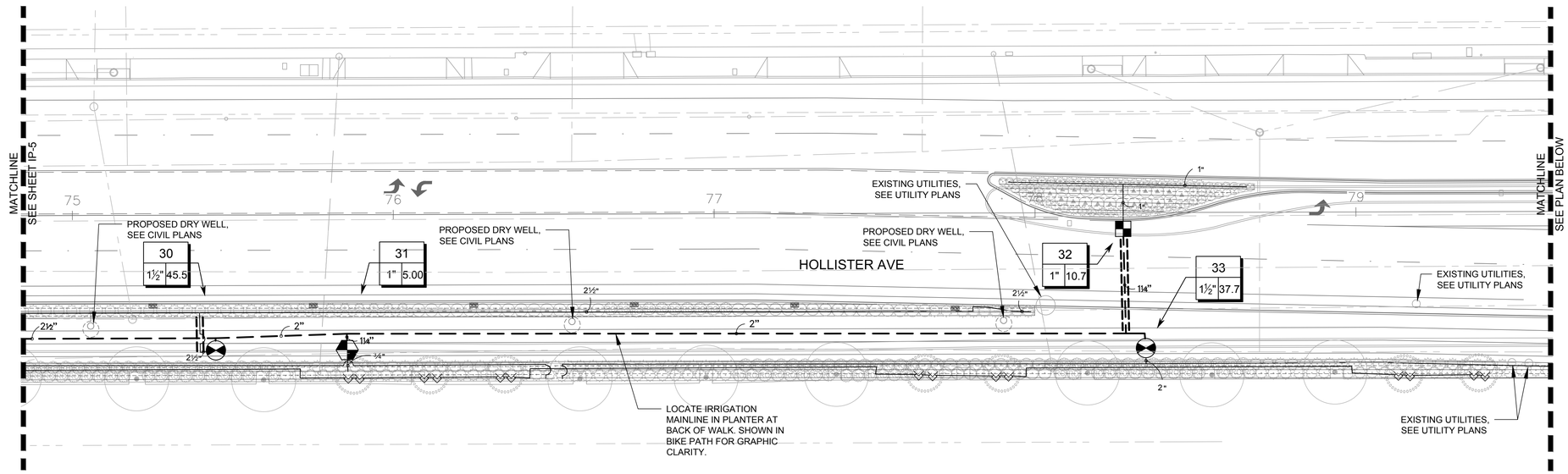
PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT
LIC. #4038
ANN SEVER
(SIGNATURE)
STATE OF CALIFORNIA

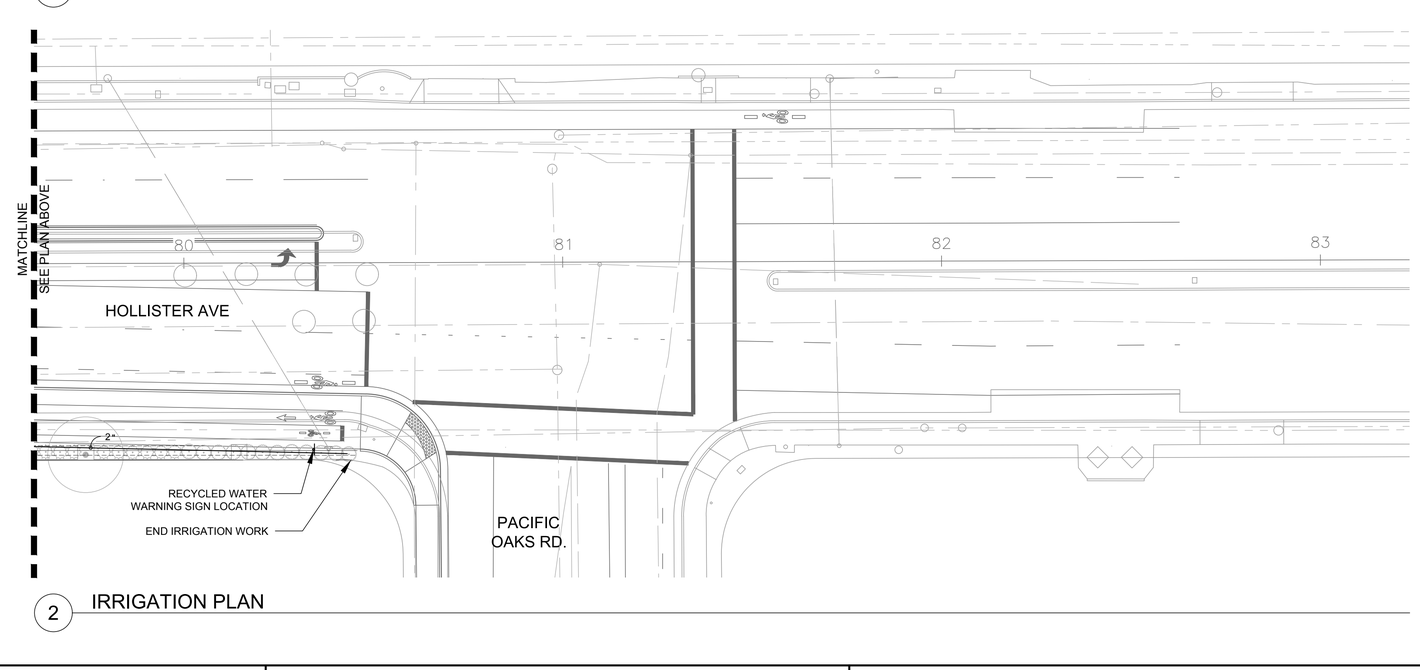
THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401



1 IRRIGATION PLAN



2 IRRIGATION PLAN

IRRIGATION PLAN

SCALE 1" = 20'

IP-6

REVISED BY	DATE REVISED

CALCULATED–DESIGNED BY | CHECKED BY

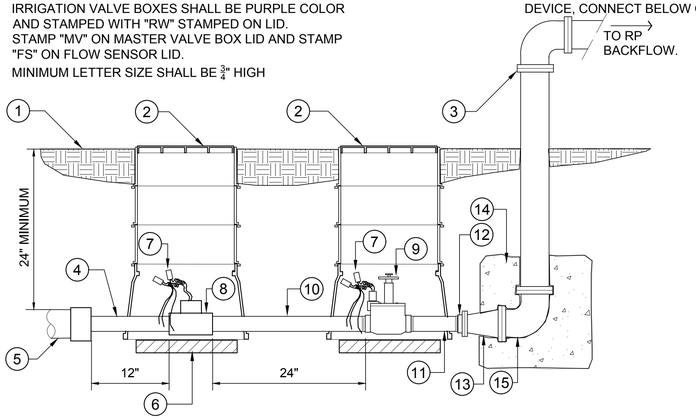
CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS

LAST REVISION 06–05–16 | DATE PLOTTED => 12/12/2016 | TIME PLOTTED => 2:37 PM

NOTES:
1. IRRIGATION VALVE BOXES SHALL BE PURPLE COLOR AND STAMPED WITH "RW" STAMPED ON LID.
2. STAMP "MV" ON MASTER VALVE BOX LID AND STAMP "FS" ON FLOW SENSOR LID.
3. MINIMUM LETTER SIZE SHALL BE $\frac{3}{4}$" HIGH

ATTENTION: THIS PROJECT DOESN'T HAVE A BACKFLOW DEVICE, CONNECT BELOW GRADE TO WATER METER.

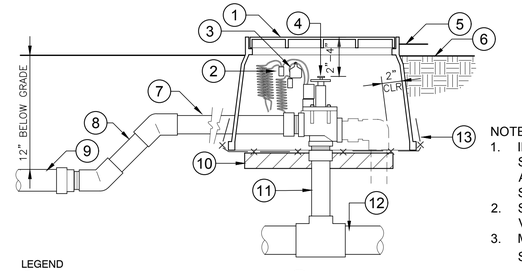


LEGEND

1. FINISHED GRADE
2. SPECIFIED RECTANGULAR VALVE BOXES WITH EXTENTIONS AS NEEDED
3. 4" FLANGE ELBOW P.O.C.
4. 2X12 PVC SCH 80 PIPING
5. 4" PVC MAIN LINE WITH 2" REDUCING BUSHING
6. 2X6X16 CONCRETE WALL CAPS, TWO PER BOX, ONE EACH SIDE
7. WATER PROOF CONNECTORS
8. FLOW METER AS SPECIFIED (2 WIRES TO CONTROLLER)
9. MASTER VALVE AS SPECIFIED
10. 2X24 PVC SCH 80 TOE PIPING
11. PVC SCH 80 2"X8" NIPPLE
12. 2" GALVANIZED FLANGE X 1 PT ADAPTER
13. 2"X4" FLANGED REDUCER
14. 18"X18"X18" CONCRETE SUPPORT BLOCK
15. 4" FLANGED ELL

1 MASTER CONTROL VALVE AND FLOW SENSOR ASSEMBLY

NO SCALE 328406.23-03



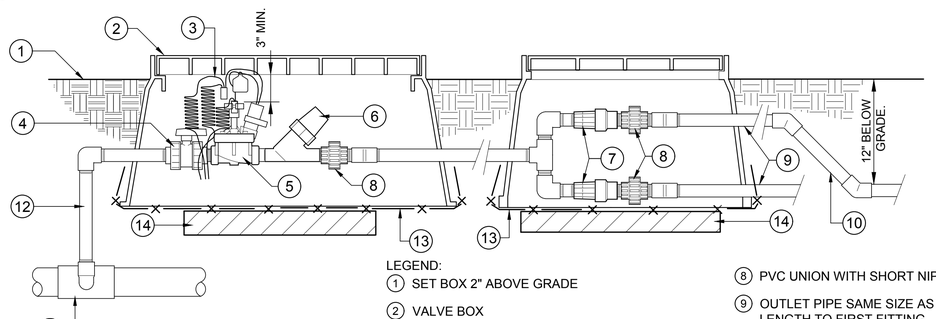
NOTES:
1. IRRIGATION VALVE BOXES SHALL BE PURPLE COLOR AND STAMPED WITH "RW" STAMPED ON LID.
2. STAMP "IRR VALVE" ON VALVE BOX LID.
3. MINIMUM LETTER SIZE SHALL BE $\frac{3}{4}$" HIGH

LEGEND

1. 10X15 RECTANGULAR VALVE BOX
2. WATER PROOF WIRE CONNECTORS ON 30" LOOPED WIRES
3. PLASTIC I.D. TAG AT EACH VALVE.
4. REMOTE CONTROL VALVE, ONE PER BOX.
5. 3/4" ABOVE FINISH GRADE AT LAWN
6. 2" ABOVE FINISH GRADE AT SHRUBS
7. OUTLET PIPE SAME SIZE AS VALVE, 24" MIN. TO FIRST FITTING
8. 45 DOWN AS REQ. TO LATERAL PIPE DEPTH
9. INCREASE LATERAL LINE AS PER IRRIGATION PLAN
10. TWO 6X2X16 CONCRETE BLOCK CAPS, ONE ON EACH SIDE OF THE BOX
11. SCHEDULE 80 RISER
12. MAIN LINE
13. 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES

2 ELECTRIC REMOTE CONTROL VALVE

NO SCALE 328406.13-03



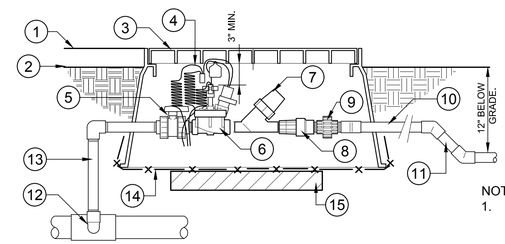
NOTES:
1. IRRIGATION VALVE BOXES SHALL BE PURPLE COLOR AND STAMPED WITH "RW" STAMPED ON LID.
2. STAMP "IRR VALVE" ON VALVE BOX LID.
3. MINIMUM LETTER SIZE SHALL BE $\frac{3}{4}$" HIGH

LEGEND:

1. SET BOX 2" ABOVE GRADE
2. VALVE BOX
3. CONTROLLER WIRE WITH 30" LINEAR LENGTH OF COIL WITH PLASTIC I.D. TAG AND WATERPROOF CONNECTORS
4. PVC TRUE UNION BALL VALVE
5. RCV AS SPECIFIED
6. FILTER AS SPECIFIED
7. PRESSURE REGULATORS AS SPECIFIED - TWO
8. PVC UNION WITH SHORT NIPPLES
9. OUTLET PIPE SAME SIZE AS VALVE, 24" MIN. LENGTH TO FIRST FITTING
10. 45° DOWN AS REQ. TO LATERAL PIPE DEPTH.
11. SxT TEE W/ 2" NIPPLE AT MAINLINE
12. SCH. 80 RISER
13. 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES
14. TWO 6X2X16 CONCRETE BLOCK CAPS, ONE ON EACH SIDE OF THE BOX.

3 1.5" DRIP CONTROL VALVE ASSEMBLY

NO SCALE 328406.13-08



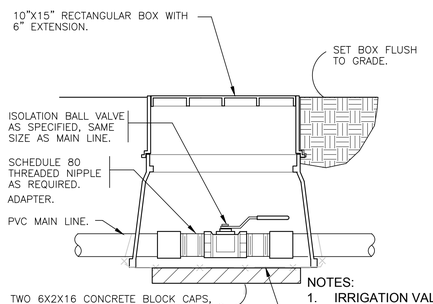
NOTES:
1. IRRIGATION VALVE BOXES SHALL BE PURPLE COLOR AND STAMPED WITH "RW" STAMPED ON LID.
2. STAMP "IRR VALVE" ON VALVE BOX LID.
3. MINIMUM LETTER SIZE SHALL BE $\frac{3}{4}$" HIGH

LEGEND

1. SET BOX FLUSH AT TURF
2. 2" ABOVE GRADE AT SHRUBS
3. 20" X 14" JUMBO PLASTIC VALVE BOX
4. CONTROLLER WIRE WITH 30" LINEAR LENGTH OF COIL, WITH PLASTIC I.D. TAG AND WATERPROOF CONNECTORS
5. PVC TRUE UNION BALL VALVE
6. RCV AS SPECIFIED
7. FILTER AS SPECIFIED
8. PRESSURE REGULATOR AS SPECIFIED
9. PVC UNION W/ SHORT NIPPLES
10. OUTLET PIPE SAME SIZE AS VALVE, 24" MIN. LENGTH TO FIRST FITTING
11. 45° DOWN AS REQ. TO LATERAL PIPE DEPTH.
12. SxT TEE W/ 2" NIPPLE AT MAINLINE
13. SCH. 80 RISER
14. 1/2" WIRE CLOTH GOPHER SCREEN, WRAP UP SIDES
15. TWO 6X2X16 CONCRETE BLOCK CAPS, ONE ON EACH SIDE OF THE BOX.

4 1" DRIP VALVE/FILTER/REGULATOR

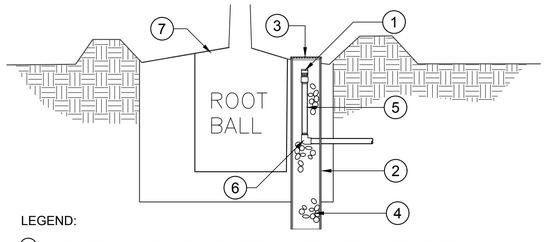
NO SCALE 328413.76-23



NOTES:
1. IRRIGATION VALVE BOXES SHALL BE PURPLE COLOR AND STAMPED WITH "RW" STAMPED ON LID.
2. STAMP "IRR VALVE" ON VALVE BOX LID.
3. MINIMUM LETTER SIZE SHALL BE $\frac{3}{4}$" HIGH

5 BRASS BALL ISOLATION VALVE

NO SCALE FX-IR-FX-ISOV-02



LEGEND:

1. BUBBLER HEAD, PLACE INSIDE PERFORATED PIPE UNDER GRATE CAP
2. ROOT WATERING TUBE
3. LOCKING GRATE CAP. TOP OF CAP SHALL BE A MINIMUM OF 1/2 INCH ABOVE FINISHED GRADE
4. FILL TUBE WITH ROUNDED DRAIN ROCK TO JUST BELOW BUBBLER CONNECTION
5. THREADED SCH 80 RISER, LENGTH AS REQUIRED
6. THREAD/SLIP ELL
7. TREE PLANTING AS INDICATED ON PLANTING DETAILS

6 ROOT WATERING SYSTEM

NO SCALE 328403.53-07

WALLACE GROUP®
CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES
612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			111	112

REGISTERED CIVIL ENGINEER — DATE 12/14/2016

PLANS APPROVAL DATE

REGISTERED LANDSCAPE ARCHITECT LIC. #4038 ANN SEVER (SIGNATURE) STATE OF CALIFORNIA

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

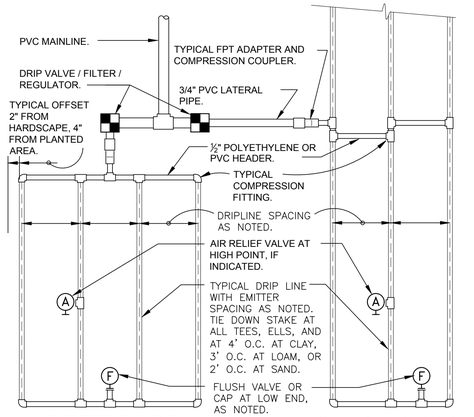
WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS
CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA
CALCULATED–DESIGNED BY / CHECKED BY
REVISED BY / DATE REVISED

IRRIGATION DETAILS

IPD-1

LAST REVISION 06–05–16
DATE PLOTTED => 12/12/2016
TIME PLOTTED => 2:37 PM



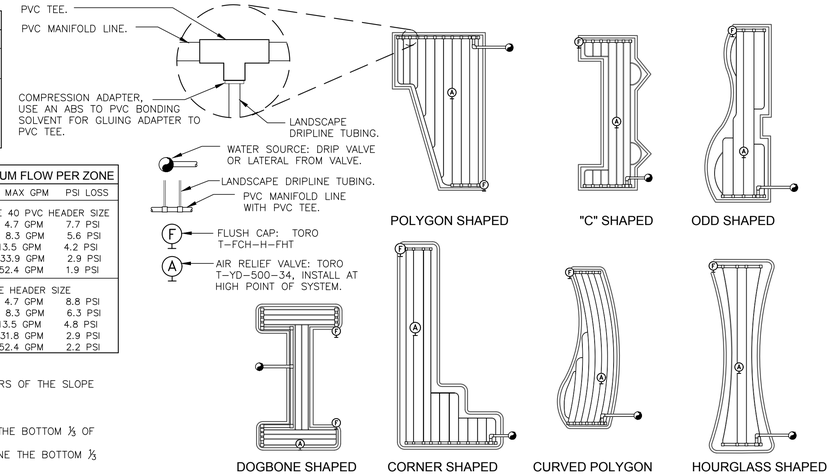
MAXIMUM LATERAL LENGTH (FEET)						
	EMITTER FLOW RATE GPH					
	12" SPACING		18" SPACING		24" SPACING	
PSI	0.6	0.9	0.6	0.9	0.6	0.9
10	125	96	175	135	218	171
20	249	191	350	171	442	340
30	307	236	434	333	550	422
40	350	268	495	380	627	171
50	125	96	175	135	218	171
60	125	96	175	135	218	171

GRID PRECIPITATION RATES (IN/HR)			
EMITTER SPACING	LATERAL SPACING	EMITTER FLOW RATE	
		0.6	0.9
12	12	0.96	1.44
18	18	0.69	1.03
24	24	0.28	0.41

LATERAL FLOW PER 100 FT (GPM)			
EMITTER FLOW	12" SPACING	18" SPACING	24" SPACING
0.6 GPH	1.0 GPM	0.67 GPM	0.50 GPM
0.9 GPH	1.5 GPM	1.0 GPM	0.75 GPM

MAXIMUM FLOW PER ZONE		
	MAX GPM	PSI LOSS
SCHEDULE 40 PVC HEADER SIZE		
1/2"	4.7 GPM	7.7 PSI
3/4"	8.3 GPM	5.6 PSI
1"	13.5 GPM	4.2 PSI
1-1/2"	33.9 GPM	2.9 PSI
2"	52.4 GPM	1.9 PSI
POLY PIPE HEADER SIZE		
1/2"	4.7 GPM	8.8 PSI
3/4"	8.3 GPM	6.3 PSI
1"	13.5 GPM	4.8 PSI
1-1/2"	31.8 GPM	2.9 PSI
2"	52.4 GPM	2.2 PSI

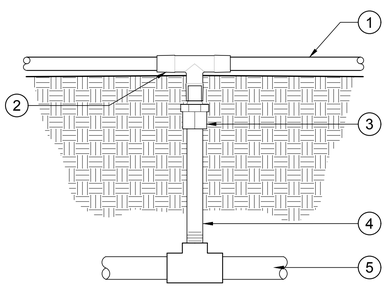
SLOPED CONDITION NOTE:
1. DRIPLINE LATERALS SHOULD FOLLOW THE CONTOURS OF THE SLOPE WHENEVER POSSIBLE.
2. INSTALL AIR RELIEF VALVE AT HIGHEST POINT.
3. NORMAL SPACING WITHIN THE TOP ⅔ OF SLOPE,
4. INSTALL DRIPLINE AT 25% GREATER SPACING AT THE BOTTOM ⅓ OF THE SLOPE.
5. WHEN ELEVATION CHANGE IS 10 FT OR MORE, ZONE THE BOTTOM ⅓ ON A SEPARATE VALVE.



1 TYPICAL TORO DRIPLINE REQUIREMENTS

NO SCALE

328413.56-20



1. TYPICAL 1/2" DRIP TUBING
2. COMPRESSION TEE
3. 3/4" FPT X 1/2" DRIP TUBING ADAPTER
4. 3/4" SCHEDULE 80 NIPPLE AS REQUIRED
5. PVC LATERAL LINE

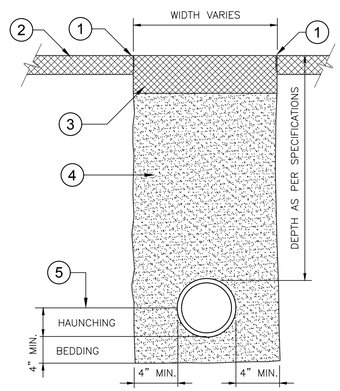
2 ABOVE GRADE PIPE TRANSITION POINT

NO SCALE

328413.46-05

LEGEND

1. SAWCUT 1 1/2" MINIMUM
2. EXISTING PAVEMENT
3. REPLACEMENT PAVING: SHALL BE "IN KIND", INCLUDING SEAL COATS. NEW ASPHALT PAVING SHALL BE 2" THICKER THAN THE EXISTING, AND NO LESS THAN 5" THICK
4. SUBSEQUENT BACKFILL WITH 100% COARSE SAND, COMPACTED TO 90% OPTIMUM DENSITY
5. WHEN PVC PIPE IS USED, PIPE SHALL BE BACKFILLED TO THE HAUNCHING AND COMPACTED TO 90% PRIOR TO COMPLETING SUBSEQUENT BACKFILL



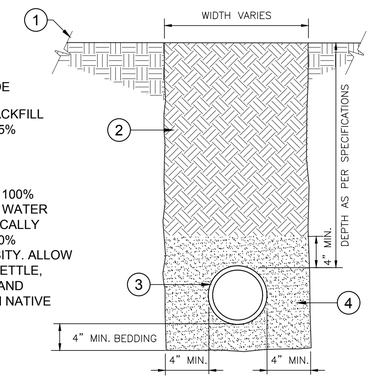
3 TRENCH DETAIL AT ASPHALT PAVING

NO SCALE

328409.76-02

LEGEND

1. FINISHED GRADE
2. NATIVE SOIL BACKFILL COMPACT TO 95% COMPACTION
3. PVC MAIN LINE
4. BACKFILL WITH 100% COARSE SAND, WATER JET & MECHANICALLY COMPACT TO 90% OPTIMUM DENSITY. ALLOW 48 HOURS TO SETTLE, AND BACKFILL AND COMPACT WITH NATIVE SOIL



4 PIPING TRENCH

NO SCALE

328409.76-21

LEGEND:

1. EXAMPLE OF ACCEPTABLE SIGNS. PROVIDE SHOP DRAWINGS.

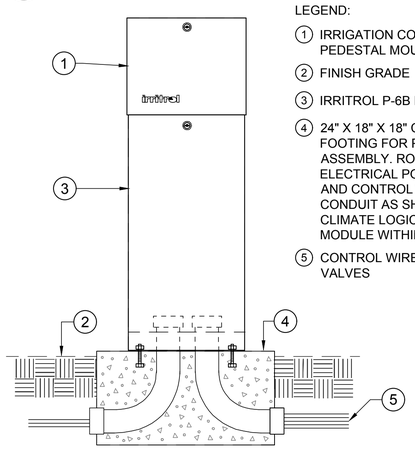
NOTES:

A. WARNING SIGNS STATING, "CAUTION - RECYCLED WATER - DO NOT DRINK" SHALL BE INSTALLED AT LOCATIONS INDICATED ON THE PLANS.
B. LETTERS ON THE SIGNS SHALL BE WHITE OR BLACK, A MINIMUM OF ½ INCH IN HEIGHT AND PRINTER ON A PURPLE (PANTONE #512) BACKGROUND.
C. ALL SIGNS SHALL BE SIGN GRADE ALUMINUM, 0.080" THICK AND A MINIMUM OF 8" WIDE AND 10" HIGH.
D. SIGNS SHALL BE MOUNTED TO U-CHANNEL, 2 LBS. HOT ROLLED, HIGH TENSILE RAIL OR BILLET STEEL WITH GALVANIZED FINISH PER ASTM A-123. SIGN POST SHALL EXTEND 4'-3" BELOW GRADE.
E. ALL MOUNTING HARDWARE SHALL BE STAINLESS STEEL.

5 RECYCLED WATER WARNING SIGNS

NO SCALE

328419.05-01



LEGEND:

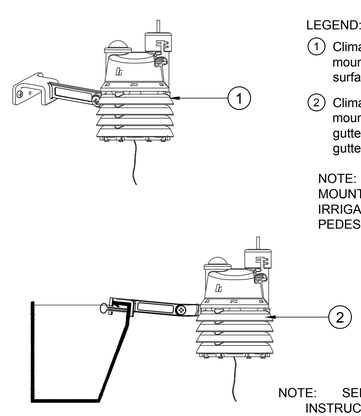
1. IRRIGATION CONTROLLER PEDESTAL MOUNT
2. FINISH GRADE
3. IRRITROL P-6B PEDESTAL
4. 24" X 18" X 18" CONCRETE FOOTING FOR PEDESTAL ASSEMBLY. ROUTE 120V AC ELECTRICAL POWER, COMMON AND CONTROL WIRES THROUGH CONDUIT AS SHOWN. INSTALL CLIMATE LOGIC RECIEVER MODULE WITHIN PEDESTAL.
5. CONTROL WIRES TO ELECTRIC VALVES

NOTE:
ALL ELECTRICAL WORK MUST CONFORM TO LOCAL CODES. REFER TO PRODUCT LITERATURE FOR ADDITIONAL INSTALLATION REQUIREMENTS.

6 PEDESTAL MOUNT IRRITROL CONTROLLER

NO SCALE

328409.16-08



LEGEND:

1. Climate Logic weather sensor mounted outdoors on a flat surface using screws.
2. Climate Logic weather sensor mounted outdoors on a rain gutter using QuickClip guttermount.

NOTE:
MOUNT WEATHER SENSOR TO IRRIGATION CONTROLLER PEDESTAL.

NOTE: SEE MANUFACTURER'S INSTRUCTIONS FOR ADDITIONAL INFORMATION.

7 WEATHER-SENSING SYSTEM - CLIMATE LOGIC

NO SCALE

328409.65-02

IRRIGATION DETAILS

IPD-2

WALLACE GROUP®
CIVIL AND TRANSPORTATION ENGINEERING
CONSTRUCTION MANAGEMENT
LANDSCAPE ARCHITECTURE
MECHANICAL ENGINEERING
PLANNING
PUBLIC WORKS ADMINISTRATION
SURVEYING / GIS SOLUTIONS
WATER RESOURCES
612 CLARION COURT
SAN LUIS OBISPO, CA 93401
T 805 544-4011 F 805 544-4294
www.wallacegroup.us

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
5	SB			112	112

REGISTERED CIVIL ENGINEER — DATE 12/14/2016

REGISTERED LANDSCAPE ARCHITECT LIC. #4038 ANN SEVER (SIGNATURE) STATE OF CALIFORNIA

PLANS APPROVAL DATE

THE CITY OF GOLETA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

CITY OF GOLETA
DEPARTMENT OF PUBLIC WORKS
130 CREMONA DRIVE, SUITE B
GOLETA, CA 93117

WALLACE GROUP
612 CLARION COURT
SAN LUIS OBISPO, CA 93401

CITY OF GOLETA – DEPARTMENT OF PUBLIC WORKS
CONSULTANT FUNCTIONAL SUPERVISOR: ANN SEVER, PLA
CALCULATED–DESIGNED BY
CHECKED BY
REVISED BY
DATE REVISED

LAST REVISION 06-05-16
DATE PLOTTED => 12/12/2016
TIME PLOTTED => 2:37 PM