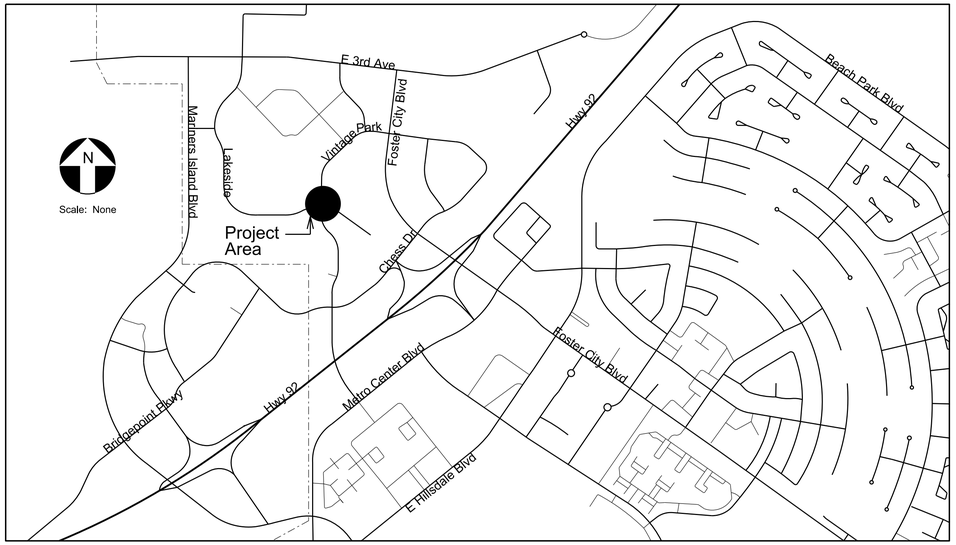
Project Map



CITY OF FOSTER CITY

Traffic Improvements at Vintage Park Dr & Lakeside Dr

Gilead Sciences Off-Site Improvement Plan

WORK SCOPE:
- Traffic Signal Installation at Vintage Park Dr & Lakeside Dr
- Streetlight Improvements - Extend Streetlight Circuit in Median on South Leg to Intersection Safety Lighting
- ADA Pedestrian Ramp Upgrades
- Traffic Signal Interconnect Installation
- Service Pedestal Upgrade
- Signage & Striping Improvements
- Use of County of San Mateo - Construction Best Practices (BMPs) for Storm Water Pollution Prevention

OWNER-FURNISHED MATERIALS:
- None
- Contractor Responsible for Procuring and Installing all Equipment for Project

NOTES:
- Before excavating call USA (Underground Service Alert) at 811 seven (7) business days before planned work.

SHEET INDEX:

CALL BEFORE YOU DIG
811

Traffic Patterns
P.O. Box 25
Danville, CA 94526
O: (408) 916-8141
www.trafficpatterns.net
info@trafficpatterns.net

Engineer's Stamp

Record Drawings

Project Engineer: _____ Date: _____

Designer: _____ Date: _____

Public Works Inspector: _____ Date: _____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
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DRAWN BY: J. Rodriguez Date: 5-22-17
CHECKED BY: Gilead Sciences Date: 5-22-17
DESIGNED BY: J. Rodriguez Date: 5-22-17

Revisions

NO.	DESCRIPTION	DATE

City of Foster City
Gilead Sciences

Vintage Park Dr & Lakeside Dr
Traffic Signal Installation

Notes Sheet

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO.
DRAWING NO.
E.P. NO.
SCALE None

Sheet TS-1

GENERAL NOTES:

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO APPLY FOR A CITY OF FOSTER CITY BUSINESS LICENSE IMMEDIATELY UPON NOTIFICATION OF INTENT TO AWARD AND PRIOR TO PROJECT AWARD.
2. THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL PLANS, PREPARED BY A REGISTERED TRAFFIC ENGINEER, PRIOR TO THE START OF WORK.
3. CONTRACTOR SHALL PROVIDE REGULAR STREET SWEEPING, OR AS DIRECTED BY THE PROJECT INSPECTOR.
4. CONTRACTOR MUST COMPLY WITH CITY OF FOSTER CITY STANDARD SPECIFICATIONS FOR CONSTRUCTION PROJECTS AND CALTRANS STANDARD PLANS 2015 FOR TRAFFIC SIGNAL STANDARDS CONSTRUCTION.
5. IT THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT U.S.A. LOCATE 7-BUSINESS DAYS PRIOR TO THE START OF CONSTRUCTION TO HAVE THE PROJECT AREA MARKED FOR UTILITIES. THE CONTRACTOR SHALL NOTIFY THE CITY INSPECTOR IMMEDIATELY IF UTILITY MARKINGS ARE IN CONFLICT WITH ANY PORTION OF WORK. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR TAKING DIGITAL PHOTOGRAPHS OR BUFFERED VIDEO OF THE PROJECT AREA AND DELIVERING A COPY OF ALL DIGITAL FILES TO THE PROJECT INSPECTOR PRIOR TO THE START OF CONSTRUCTION.
6. NEW PEDESTRIAN RAMP AND ADJACENT SIDEWALK SHALL BE 4-INCHES PCC ON TOP OF 4-INCHES CLASS II AGGREGATE BASE
7. NEW GUTTER PLAN SHALL BE 6-INCHES PCC ON TOP OF 4-INCHES CLASS II AGGREGATE BASE

TRAFFIC SIGNAL GENERAL NOTES:

1. ALL WORK, MATERIALS AND EQUIPMENT SHALL CONFORM THE REQUIREMENTS ON THE CALIFORNIA DEPARTMENT OF TRANSPORTATION, CALTRANS, STANDARD PLANS AND SPECIFICATIONS DATED 2015, THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD 2014), AND THE SPECIAL PROVISIONS FOR THIS PROJECT.
2. UTIILITIES SHOWN ON THESE PLANS ARE CORRECT AND ACCURATE TO THE EXTENT OF AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO CONTACT UTILITY LOCATION AT 811 TO ASCERTAIN THE EXACT LOCATION OF UNDERGROUND FACILITIES PRIOR TO THE START OF WORK. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE OF REPAIR OR REPLACEMENT OF ANY UNDERGROUND FACILITIES DAMAGED AS PART OF CONSTRUCTION, INCLUDING UTILITIES NOT IDENTIFIED ON THESE PLANS.
3. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND NOTIFY ALL UTILITY COMPANIES AND UNDERGROUND SERVICE ALERT A MINIMUM OF 7-BUSINESS DAYS PRIOR TO THE START OF WORK. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL PHASES OF CONSTRUCTION WITH THE VARIOUS UTILITY COMPANIES INVOLVED.
4. THE LOCATION OF TRAFFIC SIGNAL STANDARDS SHOWN ON THESE PLANS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD MARKING THE LOCATION OF PROPOSED TRAFFIC SIGNAL STANDARD LOCATIONS FOR APPROVAL BY THE PROJECT INSPECTOR, INCLUDING ANY ADJACENT CIVIL IMPROVEMENTS SUCH AS SIDEWALK FACILITIES TO ASSIST IN VALIDATING POLE STANDARD LOCATIONS. UPON CONFIRMATION OF THE CONTRACTOR'S PROPOSED LOCATIONS, THE CONTRACTOR SHALL PROCEED TO POT HOLE BY HAND DIGGING EACH LOCATION FOR A MINIMUM OF 3-FT DIAMETER BY 5-FT DEEP BEFORE ANY FURTHER EXCAVATION USING MECHANICAL EQUIPMENT. THE CONTRACTOR SHALL NOTIFY THE PROJECT INSPECTOR IMMEDIATELY IF ANY CONFLICTS WITH POLE STANDARD LOCATIONS ARE IDENTIFIED DURING THE MARKING OR CONSTRUCTION PROCESS.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING EQUIPMENT AND MATERIALS NECESSARY TO BUILD THE TRAFFIC SIGNAL FACILITY INCLUDING TRAFFIC SIGNAL POLE STANDARDS, TRAFFIC SIGNAL MASTARMS, LUMINAIRE MASTARMS, LED LUMINAIRE FIXTURES, VEHICLE AND PEDESTRIAN SIGNALS, TRAFFIC SIGNAL CABINETS, SERVICE PEDESTALS WITH INTEGRATED BATTERY BACK-UP SYSTEMS, PULL BOXES, UNDERGROUND CONDUIT NETWORKS, CABLES & CONDUCTORS, AND ALL AUXILIARY EQUIPMENT TO MAKE THE TRAFFIC SIGNAL OPERATE AS SHOWN ON THESE IMPROVEMENT PLANS.
6. ALL NEW TRAFFIC SIGNAL FIXTURES, FRAMEWORK, BACKPLATES AND VISORS SHALL BE PAINTED FLAT BLACK BY THE MANUFACTURER
7. ALL NEW TRAFFIC SIGNAL INDICATIONS, VEHICLE AND PEDESTRIAN, SHALL BE LIGHT EMITTING DIODE (LED) WITH AN INCANDESCENT LAMP LOOK AS MANUFACTURED BY GELCORE, OR APPROVED EQUAL.
8. ALL NEW PEDESTRIAN SIGNALS SHALL INCLUDE AN LED COUNTDOWN TIMER. THE COUNTDOWN DIGITS SHALL BE DOUBLE-ROW DIGITS AND BE CAPABLE OF DETECTING AND ADJUSTING TO PROGRAMMED WALK AND FLASHING DON'T WALK TRAFFIC SIGNAL TIMING PARAMETERS FROM THE TRAFFIC SIGNAL CONTROLLER WITHIN TWO PEDESTRIAN INTERVALS.
9. CONTRACTOR SHALL PROVIDE PRODUCT CUT SHEETS FOR REVIEW AND APPROVAL BY THE CITY PRIOR TO PROCUREMENT OF ANY MATERIALS INCLUDING POLE STANDARDS, LED STREETLIGHT FIXTURES, ACCESSIBLE PEDESTRIAN SIGNALS, AND UNDERGROUND CONDUIT & PULLBOX FACILITIES. EQUIPMENT PROCURED OR INSTALLED WITHOUT PREVIOUSLY APPROVED PRODUCT CUT SHEETS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT CONTRACTOR'S SOLE EXPENSE.
10. WHERE TRAFFIC SIGNAL POLE STANDARDS OR PULL BOX INSTALLATIONS DAMAGES EXISTING SIDEWALK, CONTRACTOR SHALL WORK WITH THE PROJECT INSPECTOR TO IDENTIFY LIMITS FOR SIDEWALK REMOVE AND REPLACEMENT, MATCHING ADJACENT SIDEWALK SURFACES. CONTRACTOR SHOULD ASSUME UP TO 3 YARDS OF SIDEWALK REMOVE AND REPLACEMENT PER TRAFFIC SIGNAL POLE STANDARD AND PER PULL BOX LOCATION. WHERE SIDEWALK REPLACEMENT AS PART OF A TRAFFIC SIGNAL STANDARD OR PULL BOX REPLACEMENT IMPACTS MORE THAN 30% OF AN EXISTING PEDESTRIAN CURB RAMP, THE ENTIRE PEDESTRIAN CURB RAMP SHALL BE REPLACED AND REBUILT TO COMPLY WITH AMERICAN DISTABILITIES ACT (ADA) STANDARDS.
11. CONTRACTOR SHALL UPGRADE THE EXISTING TYPE III SERVICE PEDESTAL LOCATED SOUTH OF THE PROJECT INTERSECTION ALONG THE EAST SIDE OF VINTAGE PARK DRIVE WITH A NEW TESCO MODEL 27-22 BBS SERVICE PEDESTAL AND USE THE NEW SERVICE PEDESTAL TO PROVIDE POWER TO THE NEW TRAFFIC SIGNAL FACILITY AT VINTAGE PARK DRIVE & LAKESIDE DRIVE. THE CONTRACTOR SHALL IDENTIFY ALL EXISTING BREAKERS IN THE EXISTING TYPE III SERVICE AND THE LOCATION ROUTE OF FACILITIES POWERED THROUGH THE SERVICE PEDESTAL TO ENSURE THAT THE NEW TESCO MODEL 27-22 BBS SERVICE PEDESTAL WILL CONTINUE TO OPERATE EXISTING FACILITIES ON THEIR EXISTING CIRCUITS INCLUDING STREETLIGHTS AND IRRIGATION. THE NEW BBS SHALL ONLY POWER THE TRAFFIC SIGNAL FACILITY IN THE EVENT OF A POWER OUTAGE. CONTRACTOR SHALL MATCH THE COLOR OF THE EXISTING SERVICE PEDESTAL TO THE NEW MODEL 27-22 BBS AND PROVIDE FOUR (4) BATTERIES TO OPERATE THE BBS.

    THE TESCO MODEL 27-22 BBS SERVICE PEDESTAL SHALL BE POWDER-COATED BY THE MANUFACTURER, PG&E MINT GREEN ON THE EXTERIOR.
12. TRAFFIC SIGNAL CABINET SHALL BE A NEMA TS-2 TYPE 1, SIZE TYPE P. TRAFFIC SIGNAL CABINET WITH 64-CHANNELS OF DETECTION INPUT AS MANUFACTURED BY TRAFFICWARE. THE TRAFFIC SIGNAL CABINET MUST INCLUDE TEST SWITCHES FOR EACH INDIVIDUAL VEHICLE AND PEDESTRIAN PHASE, IN ADDITION TO STANDARD TEST SWITCHES FOR POWER AND STOP TIMING OF THE TRAFFIC SIGNAL CONTROLLER. THE VEHICLE AND PEDESTRIAN SIGNAL TEST SWITCHES MUST BE WIRED TO MATCH THE VEHICLE DETECTION CHANNELS ASSIGNED DURING THE TRAFFIC SIGNAL TURN-ON. THE TRAFFIC SIGNAL CABINET VENDOR SHALL BE ON-SITE DURING THE INSTALLATION TO TERMINATE THE TEST SWITCHES AS DIRECTED BY THE CITY.

    THE TRAFFIC SIGNAL CABINET SHALL BE POWDER-COATED BY THE MANUFACTURER EXTERIOR GREEN AND INTERIOR WHITE. THE EXTERIOR GREEN COLOR SHALL BE MUNSELL NO. 5.5G4-2.76/2.1 (EQUIVALENT TO PG&E NO. 610 GREEN).
13. NEW PEDESTRIAN PUSH BUTTON FACILITIES SHALL BE NEW INTELLIGENT NAVIGATOR iN2 ACCESSIBLE PEDESTRIAN SIGNAL (APS) TYPE AS MANUFACTURED BY POLARA ENTERPRISES. EACH APS SHALL INCLUDE A 2-INCH VIBRO-TACLE INDICATION, LOCATE TONE ADJUSTABLE TO AMBIENT NOISE CONDITIONS, RED LATCH LED INDICATOR FOR WALK DEMAND, AND OPERATE AS A 2-WIRE SYSTEM TO MATCH THESE PROJECT PLANS. EACH APS SHALL BE PREPROGRAMMED BY THE MANUFACTURER WITH STREET NAMES INDICATING WALK INDICATIONS, ALL APS UNITS SHALL BE PREPAINTED BY THE MANUFACTURER IN FLAT BLACK COLOR. EACH PAS SHALL INCLUDE A PLACARD PROVIDING INSTRUCTIONS FOR DEVICE USE. THE APS VENDOR SHALL BE ON-SITE DURING THE INSTALLATION TO TERMINATE EQUIPMENT AND CONDUCTORS, OR GUIDE THE CONTRACTOR, AS NEEDED.

    THE CONTRACTOR SHALL FURNISH ONE ADDITIONAL NEW INTELLIGENT NAVIGATOR iN2 APS WITH PLACARD TO THE CITY OF FOSTER CITY FOR USE AS A SPARE.
14. CONTRACTOR SHALL INCLUDE WESTERN PACIFIC SIGNAL, THE CITY OF FOSTER CITY VENDOR FOR TRAFFIC SIGNAL CENTRAL SYSTEM EQUIPMENT, SO THAT WESTERN PACIFIC SIGNAL CAN UPDATE THE CITY'S TRAFFIC SIGNAL CENTRAL SYSTEM TO INCLUDE GRAPHICS AND COMMUNICATIONS EQUIPMENT FOR THE INTERSECTION AT VINTAGE PARK DR & LAKESIDE DR.
15. CONTRACTOR SHALL SUBMIT AS-BUILT RECORD DRAWINGS IN AUTOCAD (.DWG) AND (.PDF) DIGITAL FORMATS IMMEDIATELY UPON COMPLETION OF THE PROJECT.

LEGEND AND ABBREVIATIONS:


EXISTING TRAFFIC SIGNAL POLE STANDARD WITH VEHICLE AND PEDESTRIAN SIGNALS


NEW TRAFFIC SIGNAL POLE STANDARD WITH VEHICLE AND PEDESTRIAN SIGNALS


EXISTING STREETLIGHT POLE STANDARD WITH EXISTING LUMINAIRE


NEW STREETLIGHT POLE STANDARD WITH NEW LUMINAIRE


EXISTING STREETLIGHT POLE STANDARD TO BE SALVAGED

EXISTING PULL BOX

NEW PULL BOX

EXISTING PULLBOX TO BE REPLACED WITH NEW PULLBOX IN PLACE

EXISTING CONDUIT

NEW CONDUIT

EXISTING CONDUIT TO BE REMOVED OR ABANDONED IN PLACE

NEW TRAFFIC SIGNAL CABINET AND FOUNDATION

EXISTING TRAFFIC SIGNAL CABINET AND FOUNDATION

EXISTING TRAFFIC SIGNAL CABINET AND FOUNDATION TO BE REMOVED

AB — ABANDON FACILITY SHOWN

BC — NEW PULLBOX OVER EXISTING CONDUIT

O.D. — OPTICAL DETECTION RECEIVER

M.A. — TRAFFIC SIGNAL MASTARM (LENGTH NOTED ON PLANS)

SCHEDULES - STATUS ABBREVIATIONS:

AB	ABANDON IN PLACE.
C	CONSTRUCT. FURNISH AND INSTALL NEW.
E	EXISTING AND TO REMAIN. PROTECT IN PLACE.
R	REMOVE. CONTRACTOR TO DISPOSE OF MATERIAL.
S	SALVAGE. DELIVER MATERIAL TO CITY OF FOSTER CITY - 100 LINCOLN CENTRE DRIVE

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City of Foster City
Gilead Sciences

Vintage Park Dr & Lakeside Dr
Traffic Signal Installation

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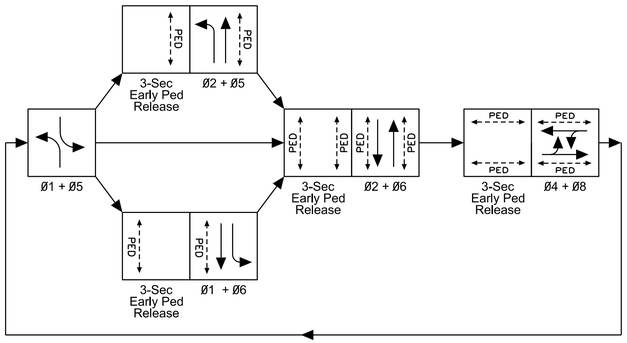
PROJECT NO.
DRAWING NO.
E.P. NO.
SCALE None

Sheet TS-2

Vintage Park Drive & Lakeside Drive Traffic Signal Plan



PHASE DIAGRAM

Emergency Vehicle Preemption Channels:
Ch 1: Ø2 + Ø5
Ch 2: Ø4
Ch 3: Ø1 + Ø6
Ch 4: Ø8

Scale: 1" = 20'

POLE QUADRANT REFERENCE

CALL BEFORE YOU DIG
811

CONDUIT & CONDUCTOR SCHEDULE

CIRCUIT DESCRIPTION		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
CONDUIT RUN IDENTIFIER		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
CONDUIT SIZE		2"	2"	2"	2-3"	2-3"	2"	3"	2"	3"	3"	3"	2"	3"	2"	3"	2"	3"	2"	3"	2"	2"	2"	2"	2"	2"	2"
CONDUCTOR SIZE (AWG) OR CABLE TYPE		C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	C	E	E	C	C
SERVICE	6	3	3																								
VEH PHASE 1	14				6	6						6		6		6	3	3	3								
VEH PHASE 2	14				6	6	3					3		3		3	3										
VEH PHASE 4	14				6	6						6	3	3	3												
VEH PHASE 5	14				6	6	3	3	3																		
VEH PHASE 6	14				6	6		3	3			3		3		3		3	3								
VEH PHASE 8	14				6	6		3		3	3	3		3		3		3		3	3						
SPARES	14				6	6		3		3		3		3		3		3									
PED PHASE 2	14				4	4	2					2		2		2	2										
PED PHASE 4	14				4	4						4		4	2	2		2		2	2						
PED PHASE 6	14				4	4		2	2			2		2		2		2	2								
PED PHASE 8	14				4	4		2		2	2	2	2														
APS PHASE 2	14				2	2						1	1	1	1												
APS PHASE 4	14				2	2						2		2		2	1	1	1								
APS PHASE 6	14				2	2		1		1	1	1		1		1		1		1	1						
APS PHASE 8	14				2	2	1	1	1																		
APS COMMON	14				8	8	1	2	1	1	1	4	1	4	1	3	1	2	1	1	1						
NEUTRAL #8	8				2	2		1		1		1		1		1		1		1							
NEUTRAL #10	10						4		3		3		2		3		3		4		2						
GROUND	6	1	1	1																							
GROUND	8				2	2		1		1		1		1		1		1		1							
Ø2 ADV DLC	Cable				2	2						2		2		2							2				
Ø6 ADV DLC	Cable				2	2		2														2					
EV Preemption	Cable				4	4	1	1		1	1	2		2	1	1		1	1								
12-PAIR SIC	Cable																									1	
ST. LT. CKT. (SAFETY LIGHTING)	8	2		2		2	2	2	2	2	2	2		2	2	2		2	2								
ST. LT. CKT. (SOUTH MEDIAN)	8																								2		
ST. LT. CKT. (NORTH MEDIAN)	8																									2	
LED STREET NAME SIGNS	8	2		2		2	2	2		2	2	2		2	2	2		2	2								
VIDEO DETECTION Ø1, Ø6	Cable				1	1						1		1		1		1	1								
VIDEO DETECTION Ø2, Ø5	Cable				1	1	1																				
VIDEO DETECTION Ø4	Cable				1	1						1		1	1												
VIDEO DETECTION Ø8	Cable				1	1		1		1	1																
NETWORK CABLES (FUTURE)	Cable				4	4		1		1		2		2		1		1									
MULE TAPE PULL ROPE	Cable																									1	1

Notes:

1. Contractor shall furnish and install a FLIR TrafiSense Video Detection system as part of this project. The Video Detection System shall include the following elements:
   - Five TrafiSense Thermal Image Sensors with integrated processors. Four mounted on the luminaire arms of each identified traffic signal pole standard and One spare to be delivered to the City.
   - One TiX Extreme Interface Card installed the traffic signal cabinet detection rack
   - Two 4/O Expansion Modules installed in the traffic signal cabinet detection rack
   - Monitor and control pad to setup and troubleshoot equipment

   Contractor shall subcontract with FLIR to provide installation and activation assistance of the Video Detection System and install the equipment per the Manufacturer's recommended specifications.
2. Contractor shall furnish and install an Opticom emergency vehicle preemption system as manufactured by Global Traffic Technologies. The system shall include one 4-channel phase selector card installed within the traffic signal cabinet and four 2-input/2-Output optical receivers mounted on each traffic signal mastarm as shown on these improvement plans, and all associated cables.
3. Coil 50-FT of each Network Cable (Future) in the pull boxes adjacent to each identified traffic signal pole standard identified in the Conduit & Conductor Schedule. Coil 25-FT of each Network Cable (Future) in the traffic signal cabinet.

POLE AND EQUIPMENT SCHEDULE

LOCATION	POLE TYPE	POLE STATUS	FOUNDATION TYPE	FOUNDATION STATUS	POLE MOUNTED VEHICLE SIGNAL(S) QTY.	MNTG. TYPE	QUADRANT	LENS DIA. (IN.)	STATUS	SIGNAL MAST ARM LENGTH (FEET)	STATUS	MAST ARM VEHICLE SIGNAL(S) QTY.	MNTG. TYPE	STATUS	PEDESTRIAN SIGNAL(S) QTY.	MNTG. TYPE	QUADRANT	STATUS	PEDESTRIAN PUSH BUTTON(S) QTY.	TYPE	QUADRANT	STATUS	LUMINAIRE ARM LENGTH (FEET)	STATUS	LUMINAIRE TYPE	STATUS	PULL BOX(ES) SIZE NO.	STATUS	VEHICLE DETECTOR(S) TYPE	STATUS	CONTROLLER CABINET TYPE	STATUS	SERVICE CABINET TYPE	STATUS	STREET NAME SIGN TYPE	STATUS	REMARKS	LOCATION
1																											*	E									1
2			III III	R C																							N30	C					III III	R C			Remove Ex, Type III Service Pedestal. Replace with Tesco Model 27-22 BBS Service Pedestal. See Sheet TS-4.	2
3																											N30	C									Pullboxes for Traffic Signal Cabinet Service, Safety Lighting, LED Street Name Signs. 2 Locations.	3
4																											N48	C			P	C						4
5	24-4-100	C	CIDH	C	1	SV-1-T	E	12	C	35'	C	2	MAS	C	1	SP-1-T	E	C	1	APS	S	C	12'	C	LED 250W	C	N36	C	VIDEO	C					IISNS	C	NEW SLIM-LINE LED-BASED IISNS SHALL BE READ, "LAKESIDE DR"	5
6	1B	C	1	C	1	TV-1-T	PT	12	C						1	SP-1-T	N	C	1	APS	W	C					N36	C										6
7	19-4-100	C	CIDH	C	1	SV-1-T	S	12	C	25'	C	1	MAS	C	1	SP-1-T	S	C	1	APS	W	C	12'	C	LED 250W	C	N36	C	VIDEO	C					IISNS	C	NEW SLIM-LINE LED-BASED IISNS SHALL BE READ, "VINTAGE PARK DR"	7
8	1B	C	1	C	1	TV-2-T	PT	12 12	C						1	SP-1-T	E	C	1	APS	N	C					N36	C										8
9	26-4-100	C	CIDH	C	1	SV-1-T	W	12	C	40'	C	2	MAS	C	1	SP-1-T	W	C	1	APS	N	C	12'	C	LED 250W	C	N36	C	VIDEO	C					IISNS	C	NEW SLIM-LINE LED-BASED IISNS SHALL BE READ, "LAKESIDE DR"	9
10	1B	C	1	C	1	TV-1-T	PT	12	C						1	SP-1-T	S	C	1	APS	E	C					N36	C										10
11	24-4-100	C	CIDH	C	1	SV-1-T	N	12	C	35'	C	1	MAS	C	1	SP-1-T	N	C	1	APS	N	C	12'	C	LED 250W	C	N36	C	VIDEO	C					IISNS	C	NEW SLIM-LINE LED-BASED IISNS SHALL BE READ, "VINTAGE PARK DR"	11
12	15TS	C	CIDH	C	1	SV-2-TA	W	12 12	C						1	SP-1-T	W	C	1	APS	S	C	12'	C	LED 250W	C	N36	C										12
13	15D	S	CIDH	AB																			8' 8'	S S	LED LED	S S	N18	R										13
14	15D	S	CIDH	AB																			8' 8'	S S	LED LED	S S	N18	R										14
15																							8' 8'	E E	LED LED	E E	LED LED	E E										15
16	15D	E	CIDH	E																			8' 8'	E E	LED LED	E E	N18 N18	R C										16
17																											N36	C									Coil 25-FT of SIC in each N36 Pullbox 2 Locations, this Sheet.	17
18																											N30	C	A	C							Ø6 ADV LOOPS (2 TOTAL) WITH HANDHOLE	18
19																											N30	C	A	C							Ø2 ADV LOOPS (2 TOTAL) WITH HANDHOLE	19
20																											N30	C									Coil 25-FT of Mull Tape Pull Wire in PullBox	20

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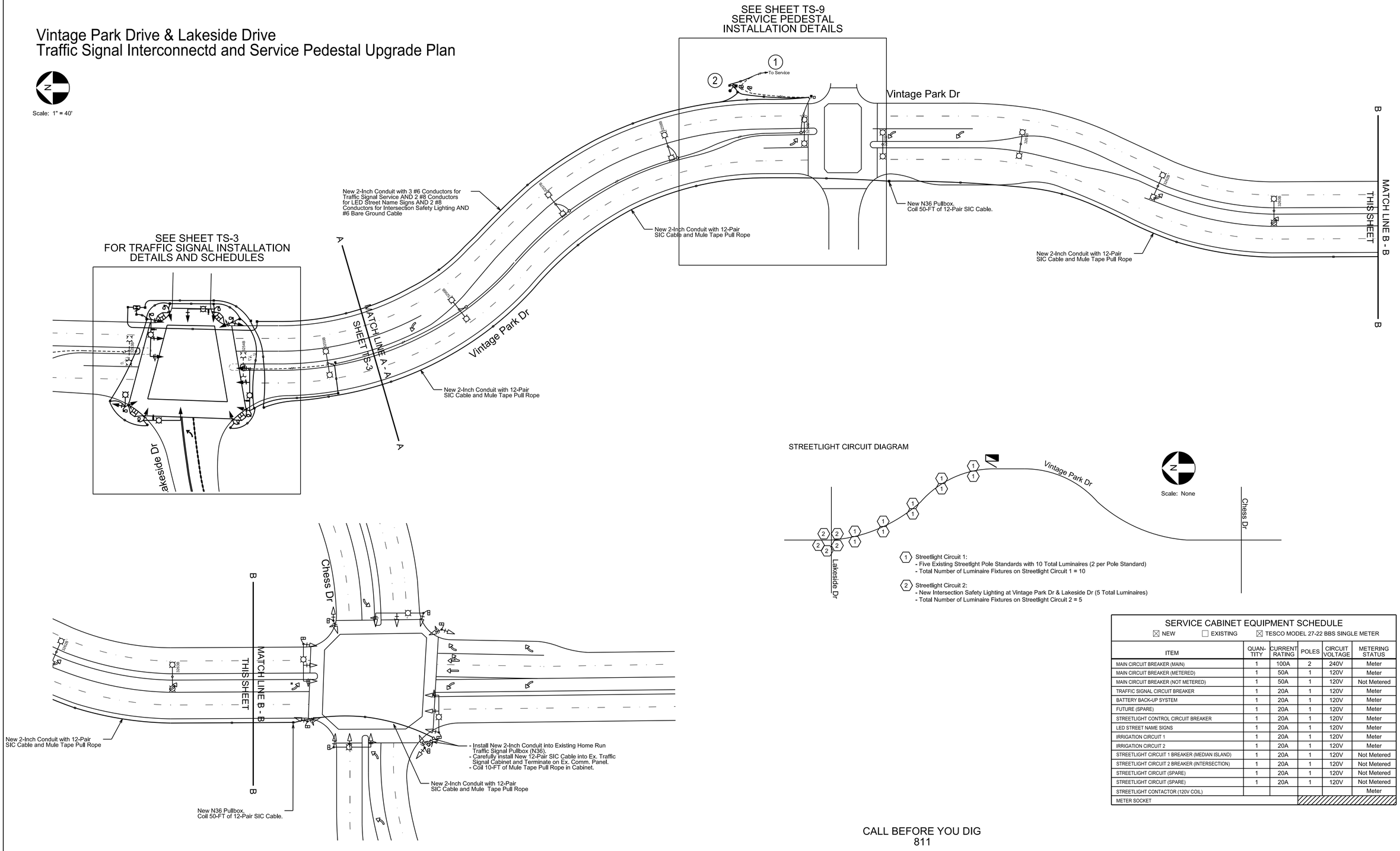
Sheet TS-3

Vintage Park Drive & Lakeside Drive
Traffic Signal Interconnectd and Service Pedestal Upgrade Plan

Scale: 1" = 40'



STREETLIGHT CIRCUIT DIAGRAM

Scale: None

1 Streetlight Circuit 1:
- Five Existing Streetlght Pole Standards with 10 Total Luminaires (2 per Pole Standard)
- Total Number of Luminaire Fixtures on Streetlight Circuit 1 = 10

2 Streetlight Circuit 2:
- New Intersection Safety Lighting at Vintage Park Dr & Lakeside Dr (5 Total Luminaires)
- Total Number of Luminaire Fixtures on Streetlight Circuit 2 = 5

SERVICE CABINET EQUIPMENT SCHEDULE

☒ NEW ☐ EXISTING ☒ TESCO MODEL 27-22 BBS SINGLE METER

ITEM	QUAN-TITY	CURRENT RATING	POLES	CIRCUIT VOLTAGE	METERING STATUS
MAIN CIRCUIT BREAKER (MAIN)	1	100A	2	240V	Meter
MAIN CIRCUIT BREAKER (METERED)	1	50A	1	120V	Meter
MAIN CIRCUIT BREAKER (NOT METERED)	1	50A	1	120V	Not Metered
TRAFFIC SIGNAL CIRCUIT BREAKER	1	20A	1	120V	Meter
BATTERY BACK-UP SYSTEM	1	20A	1	120V	Meter
FUTURE (SPARE)	1	20A	1	120V	Meter
STREETLIGHT CONTROL CIRCUIT BREAKER	1	20A	1	120V	Meter
LED STREET NAME SIGNS	1	20A	1	120V	Meter
IRRIGATION CIRCUIT 1	1	20A	1	120V	Meter
IRRIGATION CIRCUIT 2	1	20A	1	120V	Meter
STREETLIGHT CIRCUIT 1 BREAKER (MEDIAN ISLAND)	1	20A	1	120V	Not Metered
STREETLIGHT CIRCUIT 2 BREAKER (INTERSECTION)	1	20A	1	120V	Not Metered
STREETLIGHT CIRCUIT (SPARE)	1	20A	1	120V	Not Metered
STREETLIGHT CIRCUIT (SPARE)	1	20A	1	120V	Not Metered
STREETLIGHT CONTACTOR (120V COIL)					Meter
METER SOCKET					

CALL BEFORE YOU DIG
811

Traffic Patterns
P.O. Box 25
Danville, CA 94526
O: (408) 916-8141
www.trafficpatterns.net
info@trafficpatterns.net

Engineer's Stamp

Record Drawings

Project Engineer: _____ Date: _____

Designer: _____ Date: _____

Public Works Inspector: _____ Date: _____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	City Encroachment Permit Application Set 95%	8-2-17
2	100% Plan Set Submittal	9-12-17
3	City Comments dated 10-5-17	10-5-17
4	City Comments dated 10-24-17	10-26-17
5	Updated per Building Electrical Permit for Service	11-22-17

DRAWN BY: J. Rodrlguez Date: 5-22-17
CHECKED BY: Gilead Sciences Date: 5-22-17
DESIGNED BY: J. Rodrlguez Date: 5-22-17

Revisions

NO.	DESCRIPTION	DATE

City of Foster City
Gilead Sciences

Vintage Park Dr & Lakeside Dr
Traffic Signal Installation

Communications and Service Pedestal Upgrade Plan

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO.
DRAWING NO.
E.P. NO.
SCALE None
Sheet TS-4

Vintage Park Drive & Lakeside Drive
Traffic Signal Interconnect and Service Pedestal Upgrade Plan

Scale: 1" = 30'

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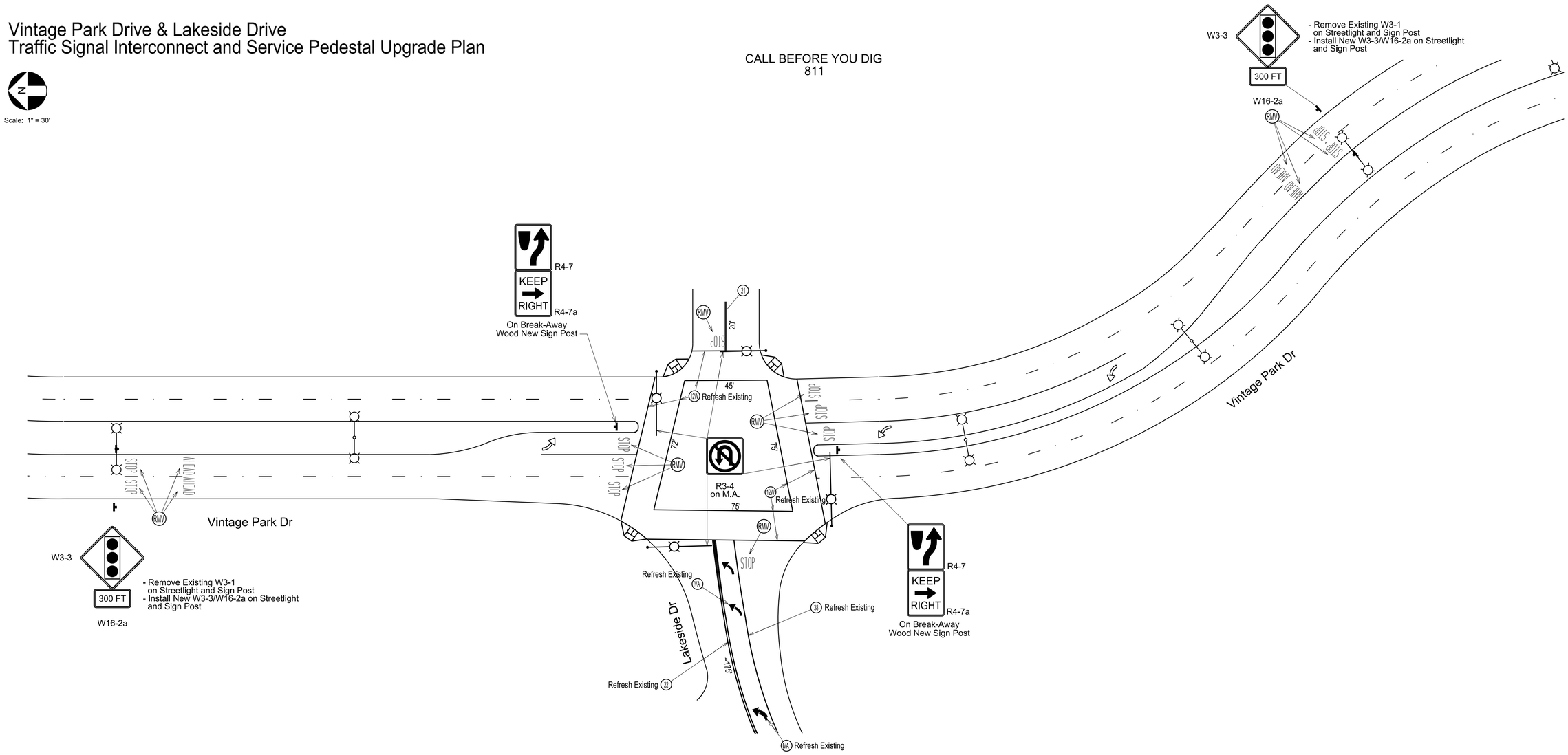

Notes:
- Contractor shall remove any existing roadway markings, pavement legends, or striping that are in conflict with this plan.
- Contractor shall remove and salvage existing Internally-Illuminated LED STOP Signs at the project intersection to Gilead Sciences for storage (Existing R1-1 signs and Internally-Illuminated LED signs are not shown on this plan.)
- All new roadway markings shall be thermoplastic unless noted otherwise.
- New Thin-Edge LED Internally-Illuminated Mastarm-Mounted Street Name Signs shall be 18"x72" with the following Street Names: "Vintage Park Dr" or "Lakeside Dr". Contrator shall submit material submittals for sign hardware and art work for approval by the City.
- For any roadway markings or legends that are identified as for "Removal" as part of this project shall be removed via Grinding Method and the roadway reslurried to repair the roadway in those areas.

STRIPING LEGEND

IDENTIFIER	STRIPING ELEMENT	IDENTIFIER	STRIPING ELEMENT	IDENTIFIER	STRIPING ELEMENT	IDENTIFIER	STRIPING ELEMENT
4	STATE DETAIL 4	30	STATE DETAIL 30	9R	PAVEMENT NUMERALS (AS SHOWN)	IA	TYPE I ARROW - 18'
9	STATE DETAIL 9	33	STATE DETAIL 33	9W	SOLID 8" WHITE	IIA	TYPE IV ARROW (DIRECTION SHOWN)
21	STATE DETAIL 21	38C	STATE DETAIL 38C	12W	SOLID 12" WHITE	VIA	TYPE VI ARROW
22	STATE DETAIL 22	39	STATE DETAIL 39	24W	SOLID 24" WHITE	VIIA	TYPE VIIA ARROW (DIRECTION SHOWN)
23	STATE DETAIL 23	39A	STATE DETAIL 39A	12Y	SOLID 12" YELLOW	SHW	BIKE SHARROW STENCIL
25	STATE DETAIL 25	40A	STATE DETAIL 40A	24Y	SOLID 24" YELLOW	BK	BIKE LANE STENCIL
27B	STATE DETAIL 27B	41A	STATE DETAIL 41A	MSG	PAVEMENT MESSAGE (MESSAGE SHOWN)	BLD	BIKE LOOP DETECTOR STENCIL
						RMV	REMOVE MARKING OR LEGEND

EST. QUANTITIES:
D21: 20 LN FT
D22: 175 LN FT
12" White: 534 LN FT
Legends: 30 SQ FT

Traffic Patterns
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O: (408) 916-8141
www.trafficpatterns.net
info@trafficpatterns.net

Engineer's Stamp

Record Drawings

Project Engineer: _____ Date: _____

Designer: _____ Date: _____

Public Works Inspector: _____ Date: _____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
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4	City Comments dated 10-24-17	10-26-17
5	Updated per Building Electrical Permit for Service	11-22-17

DRAWN BY: J. Rodriguez Date: 5-22-17
CHECKED BY: Gilead Sciences Date: 5-22-17
DESIGNED BY: J. Rodriguez Date: 5-22-17

Revisions

NO.	DESCRIPTION	DATE

City of Foster City
Gilead Sciences

Vintage Park Dr & Lakeside Dr
Traffic Signal Installation

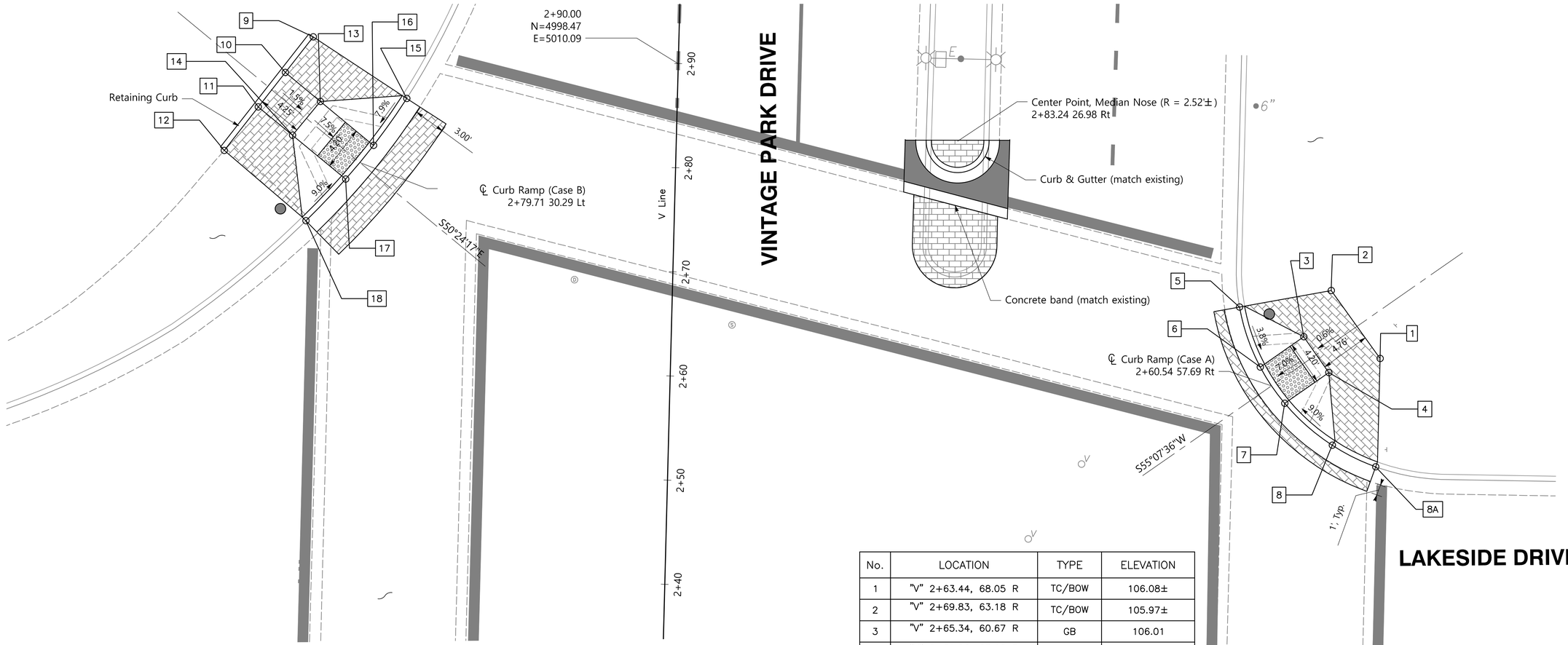
Signage & Striping Plan

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO.
DRAWING NO.
E.P. NO.
SCALE None

Sheet TS-5



No.	LOCATION	TYPE	ELEVATION
1	"V" 2+63.44, 68.05 R	TC/BOW	106.08±
2	"V" 2+69.83, 63.18 R	TC/BOW	105.97±
3	"V" 2+65.34, 60.67 R	GB	106.01
4	"V" 2+61.96, 63.16 R	GB	106.07
5	"V" 2+68.02, 54.43 R	TC/FL	105.89±/105.46±
6	"V" 2+62.32, 56.57 R	TC/FL	105.65
7	"V" 2+58.9, 59.00 R	TC/FL	105.66
8	"V" 2+54.99, 58.94 R	TC/FL	106.22±/105.74±
8A	V" 2+53.03, 67.89 R	TC/FL	106.26±/105.80±
9	"V" 2+91.65, 35.08 L	TC/BOW	105.95±
10	"V" 2+88.17, 37.66 L	TC/BOW	106.00±/105.84
11	"V" 2+84.79, 40.17 L	TC/BOW	106.03±/105.86
12	"V" 2+80.54, 43.32 L	TC/BOW	106.09±
13	"V" 2+85.47, 34.23 L	GB	105.78
14	"V" 2+82.16, 36.82 L	GB	105.80
15	"V" 2+85.97, 25.95 L	TC/FL	105.73±/105.25±
16	"V" 2+81.39, 29.02 L	GB	105.28
17	"V" 2+78.08, 31.61 L	GB	105.30
18	"V" 2+73.99, 35.32 L	GB	105.81±/105.31±

NOTES:
1. For existing Survey and control information, see TS-8.
2. For curb and gutter details, see City of Foster City Standard Details ST-009. See Note 9 on Caltrans Standard Plans A88A for gutter slope at curb ramp. Adjacent to curb ramp, adjust gutter slope to match existing pavement elevation at gutter lip.
3. Structural section and surface finish for sidewalk and pavement shall match existing.
4. For curb ramp details not shown, see Caltrans Standard Plans A88A.
5. At cross-walk locations, conform grade shall not exceed 5% for the first 4 feet from gutter flow line.
6. Conform line shown shall be placed following the joints of the pavers. Do not cut existing pavers to conform.
7. Carefully remove and reuse pavers within the limits of work. Only pavers without chips, cracks or otherwise undesirable features shall be reused. Salvage excess pavers to City.
8. If additional pavers are needed, provide pavers that match the shape, size, texture, and color of the existing pavers. Submit sample pavers for City's approval.
9. Subgrade shall be compacted to 95% compaction prior to placing base and surfacing/sidewalk.

ABBREVIATIONS:

BOW	BACK OF WALK
FL	FLOW LINE
GB	GRADE BREAK
HMA	HOT MIX ASPHALT
TC	TOP OF CURB

LEGEND:

- Colored paver sidewalk/pavement
- DETECTABLE WARNING SURFACE
- HMA DEEP LIFT (6" DEPTH)
- Signal pole Location

BEFORE EXCAVATING
CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-642-2444
48-HOURS BEFORE ALL
PLANNED WORK OPERATIONS

ActiveWayz Engineering
7901 OAKPORT ST, SUITE 4225
OAKLAND, CA 94621
PH (408) 219-5678

Engineer's Stamp

PROFESSIONAL ENGINEER — Admas Zewdie — No. 63469 — Exp. 09/30/18 — CIVIL — STATE OF CALIFORNIA

Record Drawings

Project Engineer: _____ Date: _____
Designer: _____ Date: _____
Public Works Inspector: _____ Date: _____
Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	15% Pole Layout Submittal	5-22-17
2	City Encroachment Permit Application Set 95%	8-2-17
3	100% Plan Set Submittal	9-12-17

DRAWN BY: A Zewdie Date: 5-22-2017
CHECKED BY: Gilead Sciences Date: 5-22-2017
DESIGNED BY: A Zewdie Date: 5-22-2017

Revisions

NO.	DESCRIPTION	DATE

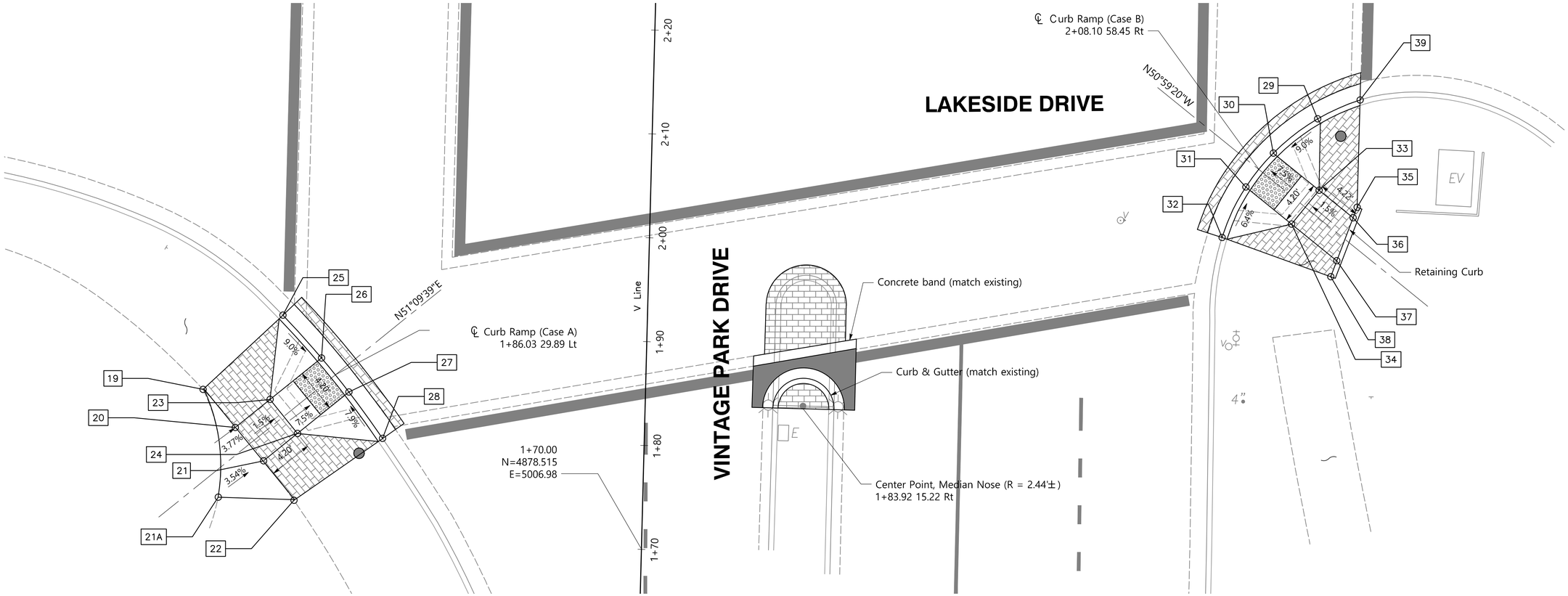
City of Foster City
Gilead Sciences

Vintage Park Dr & Lakeside Dr
Traffic Signal Installation

Curb Ramp and Median Island Modifications
South Side of Intersection

RECOMMENDED FOR BIDDING BY: _____
DATE: _____
APPROVED FOR BIDDING BY: _____
DATE: _____

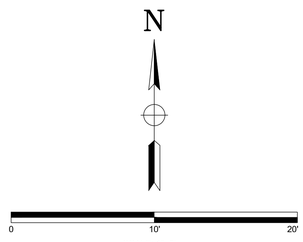
PROJECT NO.
DRAWING NO.
E.P. NO.
SCALE 1" = 5'
Sheet TS-6



Notes:
1. For Legend, Abbreviations and Notes, see Sheet TS-6.

No.	LOCATION	TYPE	ELEVATION
19	"V" 1+84.30, 42.59 L	TC/BOW	106.03±
20	"V" 1+80.75, 39.21 L	TC/BOW	106.05
21	"V" 1+77.72, 36.59 L	TC/BOW	106.03
21A	"V" 1+73.97, 40.87 L	TC/BOW	106.25±
22	"V" 1+73.85, 33.57 L	TC/BOW	106.12±
23	"V" 1+83.50, 36.11 L	GB	105.99
24	"V" 1+80.3, 33.40 L	GB	106.01
25	"V" 1+91.64, 35.09 L	TC/FL	106.00±/105.53±
26	"V" 1+87.62, 31.27 L	TC/FL	105.54
27	"V" 1+84.42, 28.55 L	TC/FL	105.52
28	"V" 1+80.02, 25.18	TC/FL	105.93±/105.46±
29	"V" 2+13.11, 63.99 R	TC/FL	106.11±/105.63±
30	"V" 2+09.70, 59.81 R	TC/FL	105.61
31	"V" 2+06.36, 57.25 R	TC/FL	105.60

No.	LOCATION	TYPE	ELEVATION
32	"V" 2+01.45, 55.09 R	TC/FL	105.95±/105.51±
33	"V" 2+09.08, 64.3 R	GB	106.04
34	"V" 2+02.91, 61.75 R	GB	106.03
35	"V" 2+04.70, 68.01 R	TC/BOW	106.14±
36	"V" 2+03.67, 67.65 R	TC/BOW	106.14±/106.1
37	"V" 1+99.5, 66.18 R	TC/BOW	106.13±/106.10
38	"V" 1+97.95, 65.64 R	TC/BOW	106.13±
39	"V" 2+15.03, 68.03 R	TC/FL	106.17±/105.72±



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48-HOURS BEFORE ALL
PLANNED WORK OPERATIONS

ActiveWayz Engineering
7901 OAKPORT ST, SUITE 4225
OAKLAND, CA 94621
PH (408) 219-5678

Engineer's Stamp
REGISTERED PROFESSIONAL ENGINEER
Admas Zewdie
No. 63469
09/30/18
CIVIL
STATE OF CALIFORNIA

Record Drawings

Project Engineer: _____ Date: _____

Designer: _____ Date: _____

Public Works Inspector: _____ Date: _____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	15% Pole Layout Submittal	5-22-17
2	City Encroachment Permit Application Set 95%	8-2-17
3	100% Plan Set Submittal	9-12-17

DRAWN BY: A Zewdie Date: 5-22-2017
CHECKED BY: Gilead Sciences Date: 5-22-2017
DESIGNED BY: A Zewdie Date: 5-22-2017

Revisions

NO.	DESCRIPTION	DATE

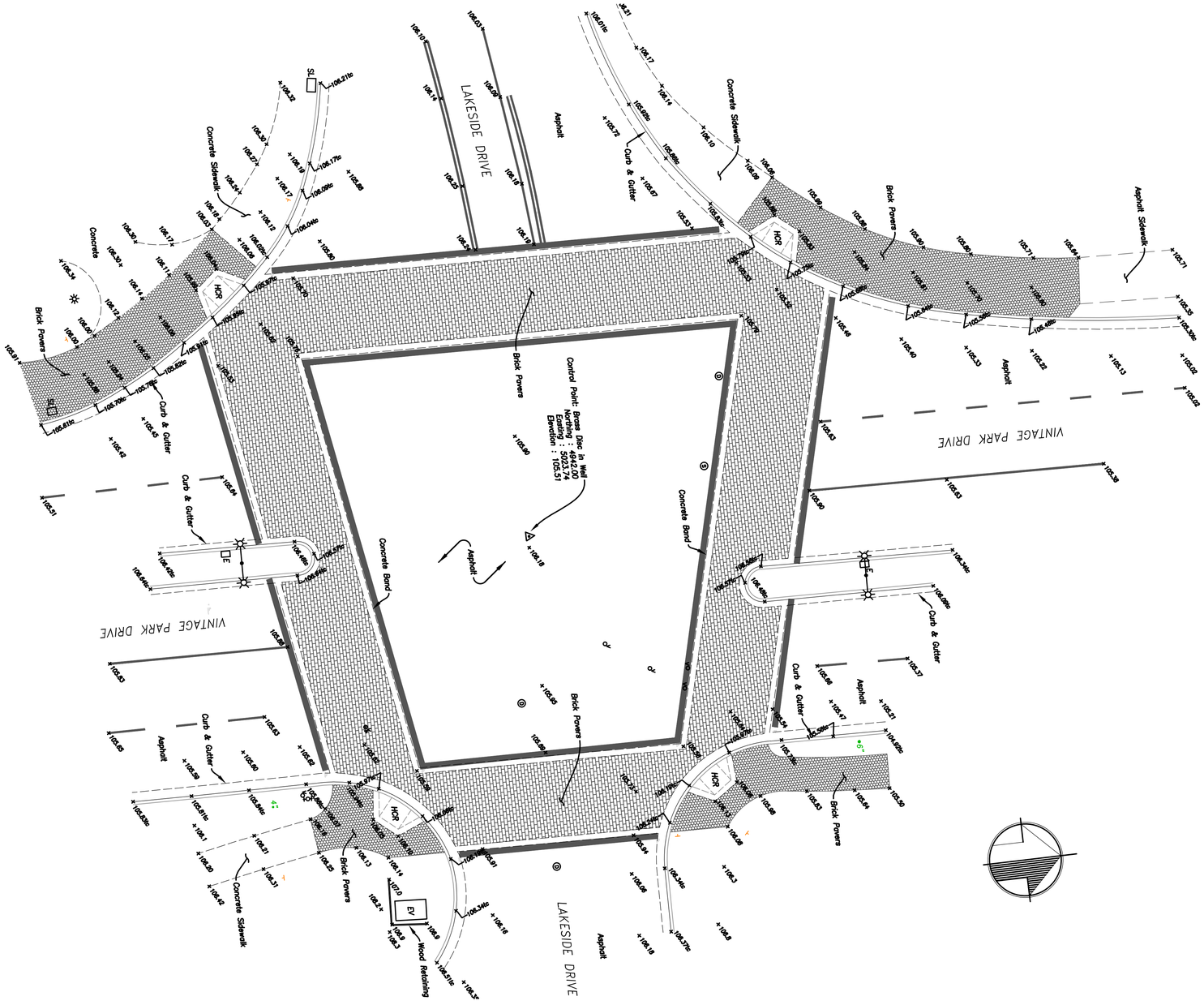
City of Foster City
Gilead Sciences

Vintage Park Dr & Lakeside Dr
Traffic Signal Installation

Curb Ramp and Median Island Modifications
South Side of Intersection

RECOMMENDED FOR BIDDING BY: _____
DATE: _____
APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO.
DRAWING NO.
E.P. NO.
SCALE 1" = 5'
Sheet TS-7



GRAPHIC SCALE

10 0 5 10 20 40

(IN FEET)

1 inch = 10 ft.

General Notes:

1) Topographic features shown hereon represent surface conditions of the project area compiled from a ground survey on May 25, 2017. No attempt has been made to determine the extent or existence of underground utilities or other features not surface visible.

Datum Notes:

1) Horizontal datum is based upon a local assumed datum.

2) Vertical datum is based upon City of Foster City Benchmark #107, a brass cap set in concrete on the northeast piling of PG&E Tower S=13, the third tower west of Vintage Park Drive and north of Lakeside Drive. Top of brass cap elevation taken as 106.29', NAVD 88 (2001 Adjustment per Foster City Benchmark Datasheet)

3) Temporary control points have been established as shown hereon for future project reference.

Legend:

- Concrete
- Concrete Grade Break
- Curb & Gutter
- Edge of Pavement
- Wall
- EV — Electric Vault
- Electrolier
- Fire Hydrant
- Sanitary Sewer
- Sign
- Site Light
- 135.10 — Spot Elevation
- SL — Street Light Box
- Storm Drain Manhole
- Tree Size and Location
- Water Valve

Mountain Pacific Surveys
1505 W. Texas Street
Fairfield, CA94533
PH (707) 425-623

Engineer's Stamp

Record Drawings

Project Engineer: _____ Date: _____

Designer: _____ Date: _____

Public Works Inspector: _____ Date: _____

Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	15% Pole Layout Submittal	5-22-17
2	City Encroachment Permit Application Set 95%	8-2-17
3	100% Plan Set Submittal	9-12-17

DRAWN BY: S. Rohlfs Date: June 1, 2017

CHECKED BY: C.Weakley Date: June 1, 2017

DESIGNED BY: _____ Date: _____

Revisions

NO.	DESCRIPTION	DATE

City of Foster city
Gilead Sciences

Vintage Park Dr & Likeside Dr
Traffic Signal Installation

TOPOGRAPHIC SURVEY

RECOMMENDED FOR BIDDING BY: _____

DATE: _____

APPROVED FOR BIDDING BY: _____

DATE: _____

PROJECT NO.

DRAWING NO.

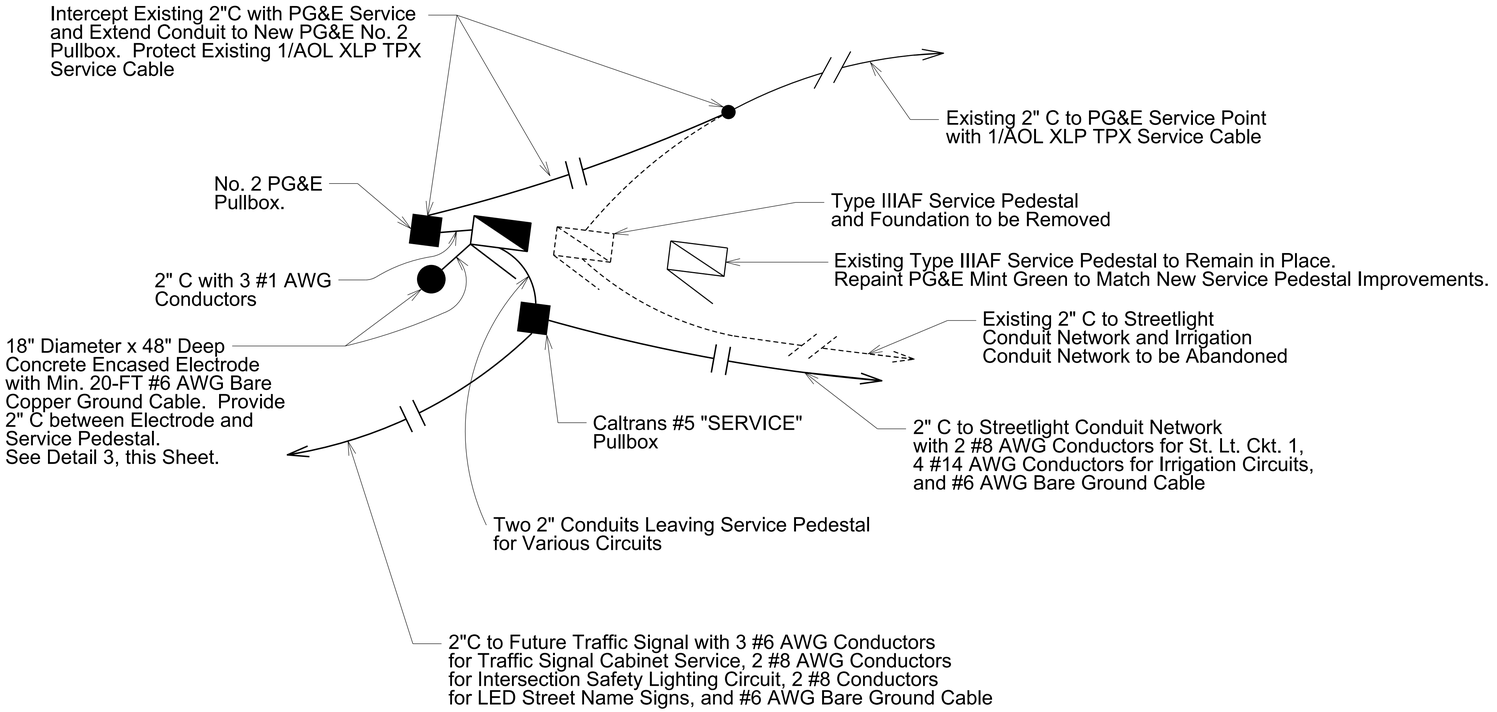
E.P. NO.

SCALE 1" = 10'

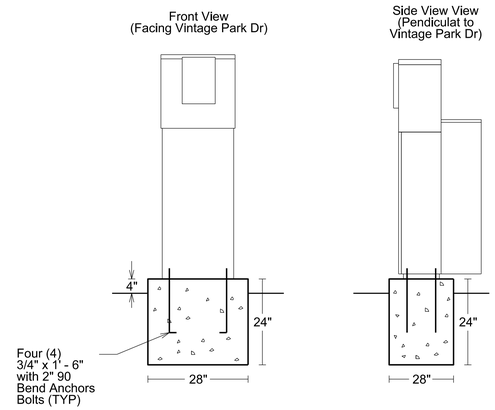
Sheet TS-8

Traffic Signal at Vintage Park Drive & Lakeside Drive
Tesco Type 27-22 BBS Service Pedestal Installation Details

DETAIL 1
SERVICE PEDESTAL
FIELD EQUIPMENT LAYOUT
N.T.S.

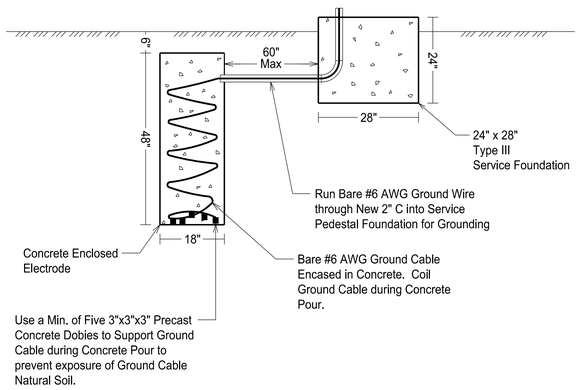


DETAIL 2
TESCO 27-22 BBS
FOUNDATION DETAIL
N.T.S.



Note:
- Conduits entering Service Pedestal Foundation Not Shown on this Detail, See Detail 1, this Sheet.

DETAIL 3
CONCRETE ENCASED
ELECTRODE
N.T.S.



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Engineer's Stamp

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Public Works Inspector: _____ Date: _____

Public Improvements Initially Accepted by the City Council on: _____

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3	City Comments dated 10-5-17	10-5-17
4	City Comments dated 10-24-17	10-26-17
5	Updated per Building Electrical Permit for Service	11-22-17
6	City Request to Repaint Ex. Srv. Pedestal	12-20-17

DRAWN BY: J. Rodriguez Date: 5-22-17

CHECKED BY: Gilead Sciences Date: 5-22-17

DESIGNED BY: J. Rodriguez Date: 5-22-17

Revisions

NO.	DESCRIPTION	DATE

City of Foster City
Gilead Sciences

Vintage Park Dr & Lakeside Dr
Traffic Signal Installation

Service Pedestal Installation Details

RECOMMENDED FOR BIDDING BY: _____

DATE: _____

APPROVED FOR BIDDING BY: _____

DATE: _____

PROJECT NO.

DRAWING NO.

E.P. NO.

SCALE None

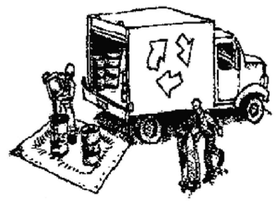
Sheet TS-9

SAN MATEO COUNTYWIDE
Water Pollution Prevention Program
Clean Water. Healthy Community.

Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

Materials & Waste Management



Non-Hazardous Materials

- ❑ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- ❑ Use (but don't overuse) reclaimed water for dust control.

Hazardous Materials

- ❑ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ❑ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ❑ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ❑ Arrange for appropriate disposal of all hazardous wastes.

Waste Management

- ❑ Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- ❑ Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
- ❑ Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- ❑ Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- ❑ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

Construction Entrances and Perimeter

- ❑ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ❑ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

Equipment Management & Spill Control

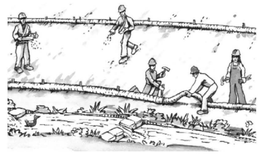
Maintenance and Parking

- ❑ Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- ❑ Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ❑ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ❑ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ❑ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

Spill Prevention and Control

- ❑ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ❑ Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- ❑ Clean up spills or leaks immediately and dispose of cleanup materials properly.
- ❑ Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- ❑ Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- ❑ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ❑ Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

Earthmoving



- ❑ Schedule grading and excavation work during dry weather.
- ❑ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ❑ Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned.
- ❑ Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- ❑ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

Contaminated Soils

- ❑ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
  - Unusual soil conditions, discoloration, or odor.
  - Abandoned underground tanks.
  - Abandoned wells
  - Buried barrels, debris, or trash.

Paving/Asphalt Work

- ❑ Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ❑ Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- ❑ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- ❑ Do not use water to wash down fresh asphalt concrete pavement.

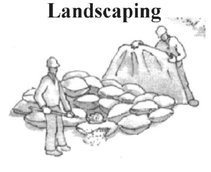
Sawcutting & Asphalt/Concrete Removal

- ❑ Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- ❑ Shovel, abosorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ❑ If sawcut slurry enters a catch basin, clean it up immediately.

Concrete, Grout & Mortar Application

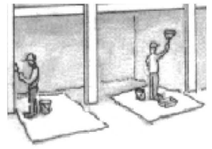
- ❑ Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- ❑ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- ❑ When washing exposed aggregate, prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

Landscaping



- ❑ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ❑ Stack bagged material on pallets and under cover.
- ❑ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

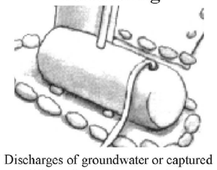
Painting & Paint Removal



Painting Cleanup and Removal

- ❑ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ❑ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ❑ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- ❑ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- ❑ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a state-certified contractor.

Dewatering



- ❑ Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- ❑ Divert run-on water from offsite away from all disturbed areas.
- ❑ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- ❑ In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal.

Storm drain polluters may be liable for fines of up to $10,000 per day!

CALL BEFORE YOU DIG
811

Traffic Patterns
P.O. Box 25
Danville, CA 94526
O: (408) 916-8141
www.trafficpatterns.net
info@trafficpatterns.net

Engineer's Stamp

Record Drawings

Project Engineer: _____ Date: _____
Designer: _____ Date: _____
Public Works Inspector: _____ Date: _____
Public Improvements Initially Accepted by the City Council on: _____

Submittal Log

NO.	DESCRIPTION	DATE
1	City Encroachment Permit Application Set 95%	8-2-17
2	100% Plan Set Submittal	9-12-17
3	City Comments dated 10-5-17	10-5-17
4	City Comments dated 10-24-17	10-26-17
5	Updated per Building Electrical Permit for Service	11-22-17

DRAWN BY: J. Rodriguez Date: 5-22-17
CHECKED BY: Gilead Sciences Date: 5-22-17
DESIGNED BY: J. Rodriguez Date: 5-22-17

Revisions

NO.	DESCRIPTION	DATE

City of Foster City
Gilead Sciences

Vintage Park Dr & Lakeside Dr
Traffic Signal Installation

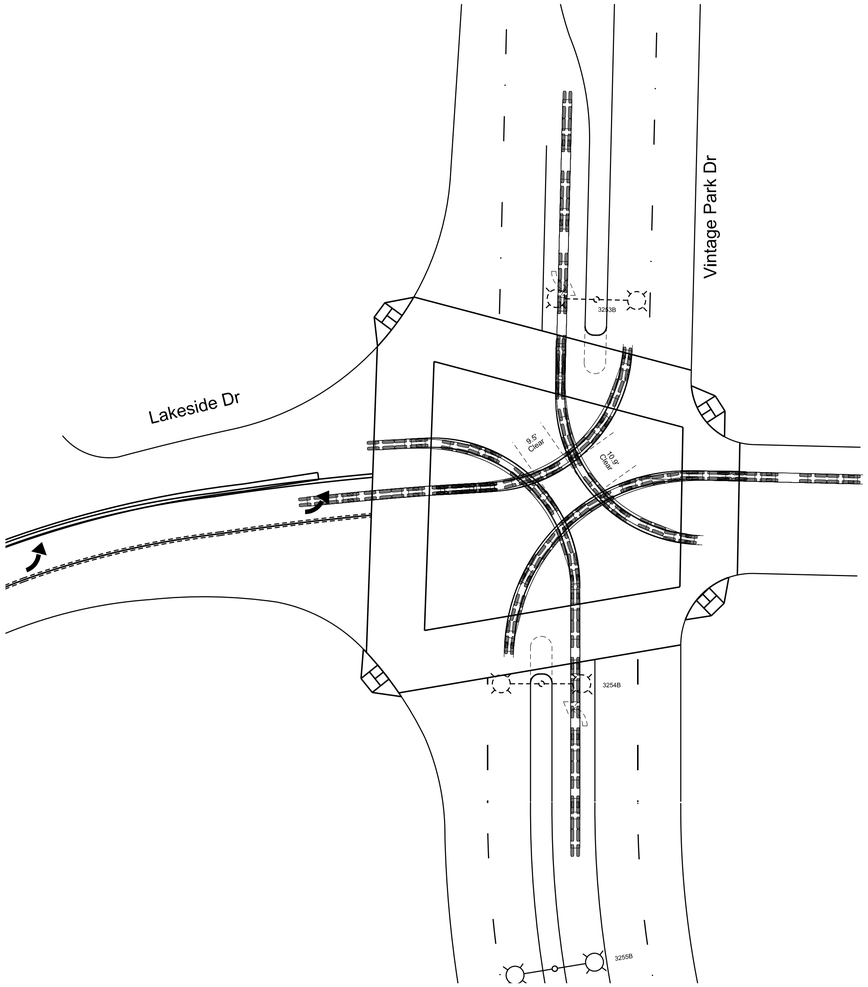
Construction Best Management Practices

RECOMMENDED FOR BIDDING BY: _____
DATE: _____
APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO.
DRAWING NO.
E.P. NO.
SCALE None
Sheet TS-10

REFERENCE SHEET ONLY
NOT PART OF PLAN SET

CITY REQUESTED TRUCK TURN TEMPLATES
ASSHTO WB-40 TRUCKS SHOWN



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Vintage Park Dr & Lakeside Dr
Traffic Signal Installation

REFERENCE SHEET ONLY FOR CITY
NOT PART OF IMPROVEMENT PLANS
TRUCK TURNING TEMPLATES

RECOMMENDED FOR BIDDING BY: _____
DATE: _____

APPROVED FOR BIDDING BY: _____
DATE: _____

PROJECT NO.
DRAWING NO.
E.P. NO.
SCALE None

Sheet TS-11