



TO: Mayor and Councilmembers

FROM: Charles W Ebeling, Public Works Director

CONTACT: Julie Jang, Assistant Engineer

SUBJECT: Approval of Plans for the Traffic Signal at Storke Road and Whittier Drive,

in the City of Goleta

RECOMMENDATIONS:

Approve plans for the construction of new traffic signal improvements at Storke Road and Whittier Drive.

BACKGROUND:

In the County of Santa Barbara and adjacent to the City of Goleta, the Ocean Meadows residential development was approved by the County on December 9, 2020. The Ocean Meadows development constructs 32 single-family residences on Lot 2 (APN 073-090-072) and 6 affordable apartments on Lot 3 (APN 073-090-073). Generally, the development is near the Devereux Slough and in the vicinity of the former Ocean Meadows Golf Course. The apartments will take access from Whittier Drive, a City of Goleta street (See Attachment 1- Vicinity Map).

As a condition of approval, Ocean Meadows Investors, the property owner, must construct a new traffic signal at the intersection of Storke Road and Whittier Drive. The project will improve the level of service at the intersection by reducing the delay experienced on Whittier Drive, and will enhance pedestrian movements across Storke Road

DISCUSSION:

The development approval requires the property owner to install a new traffic signal at the intersection of Storke Road and Whittier Drive. The improvements will be built under an encroachment permit issued by the Public Works Department. While the precise timing is unknow at this time, the engineers for the developer have indicated that the project will be started this calendar year. The intersection improvements must be completed prior to occupancy. The design will allow for interconnection of Storke Road signals at a future date, if so desired.

Given the location of the project, staff recommends City Council approve the plans prior to issuance of the encroachment permit (Attachment 2).

Meeting Date: May 3, 2022

FISCAL IMPACTS:

The applicant, Ocean Meadows Investors, is responsible for all cost associated with the for the improvement at the intersection of Stroke Road and Whittier Drive including traffic signal, curb ramps, signing & striping, and inspection services. The City will be responsible for maintenance once the improvements are completed.

ALTERNATIVES:

The City Council may elect to not approve the intersection improvements at Storke Road and Whittier Drive. This would result in degraded level of service and would not enhance pedestrian crossing of Storke Road.

Reviewed By: Legal Review By: Approved By:

Megan K.

Kristine Schmidt Megan Garibaldi Michelle Greene Assistant City Manager City Attorney City Manager

ATTACHMENTS:

- 1. Vicinity map
- 2. Intersection Improvements Plan for Storke Road and Whittier Drive

ATTACHMENT 1

Vicinity Map

ATTACHMENT 1

VICINITY MAP



ATTACHMENT 2

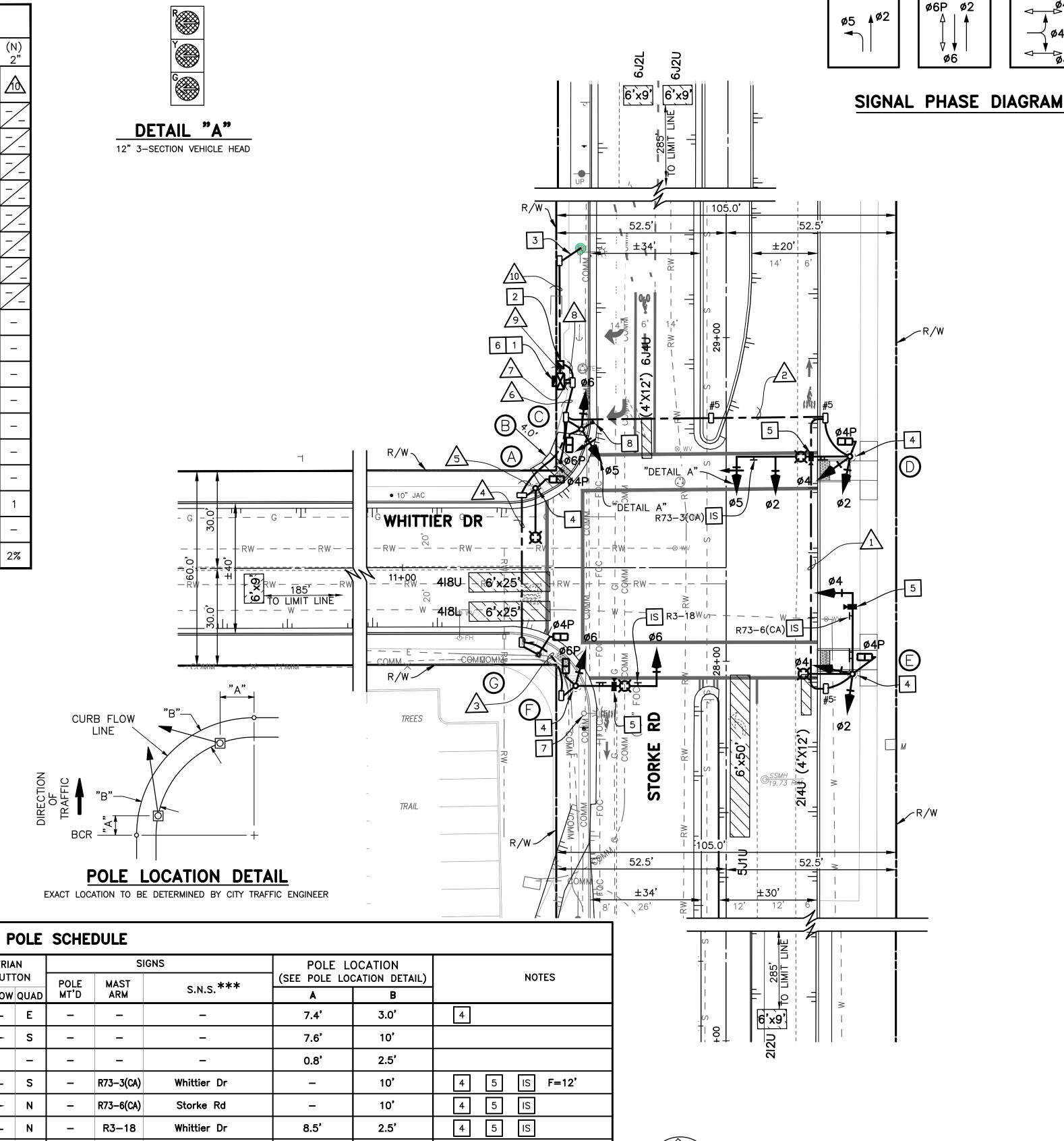
Traffic Signal Improvement Plan for Stroke Road and Whittier Drive

- (a) 12-CONDUCTOR CABLES SHALL BE RUN WITHOUT SPLICES FROM CONTROLLER TO TERMINAL BOX ON POLE.
- (b) 3-CONDUCTOR CABLES SHALL BE RUN FROM CONTROLLER TO PEDESTRIAN PUSHBUTTON TERMINALS ON POLES.
- (c) SERVICE CONDUCTORS SHALL BE FURNISHED AND INSTALLED BY THE SERVING

ALL CONDUCTORS SHALL BE LABELED BY POLE & PHASE IN CONTROLLER CABINET AND EACH PULL BOX.

CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PROVIDE THE CORRECT NUMBER OF CONDUCTORS FOR THE INTENDED OPERATION.

ALL CITY ELECTRICAL SYSTEM CONDUITS SHALL BE PLACED IN TRENCH PER SANTA BARBARA COUNTY ENGINEERING DESIGN STANDARDS 2-030.



SIGNAL STANDARD SIGNAL MOUNTING **PEDESTRIAN** POLE PUSH BUTTON **VEHICLE** MAST ARM POLE MT'D _UMINAIRE PEDESTRIAN NO. POLE MT'G MAST ARM ** PHASE ARROW QUAD **–** 15' SP-1-T GE EVOLVE **─** | E <u>→</u> | S SP-1-T TV-2-T 24-4-100 35' 15' GE EVOLVE SV-2-T 2-MAS SP-1-T 19-3-100 | 25' | 15' GE EVOLVE SV-2-T SP-1-T 19-3-100 25' 15' GE EVOLVE SV-1-T SP-1-T 4.8' 1-A-7' TP-1-T _ 8.9'

-- E

GE EVOLVE (PART ERL2021C330AGRAYBL054) ** ALL PEDESTRIAN INDICATIONS SHALL BE COUNTDOWN TYPE.

*** 8" UPPER CASE & 6" LOWER CASE LETTERS.

Know what's **below.**

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES **REVISION BLOCK** PREPARED FOR: APPD. OCEAN MEADOWS INVESTORS, LLC CONTACT: MATTHEW TAYLOR 29 EL PASO SANTA BARBARA, CA 93101 (805) 455-6661



R.C.E.

GUY GEREMY SALTS

PROJECT ENGINEER

GEREMYS NO 60488 Trung G. Sala 60488 6/30/2022

EXP. DATE

TRAFFIC SIGNAL PLAN

3 of **4**

INTERSECTION IMPROVEMENT PLANS STORKE ROAD AND WHITTIER DRIVE CITY OF GOLETA, CA

THE ELECTRONIC FILE IS ALTERED, THE ELECTRONIC FILE, OR ANY MODIFICATIONS MADE TO THE ELECTRONIC FILE, OR ANY PRODUCT. IN THE ELECTRONIC FILE DAS A COURTES INFORMATION. STANTEC CONSULTING SERVICES INFORMATION. STANTEC CONSULTING SERVICE OF STANTEC CONSULTING SERVICE INFORMATION. IN THE ELECTRONIC FILE WHICH ARE DOCUMENT THAT IS SIGNED AND SEALED BY AN AUTHORIZED PROFESSIONAL EMPLOYEE OF STANTEC CONSULTING SERVICE INFORMATION. STANTEC CONSULTING SERVICE INFORMATION. IN THE ELECTRONIC FILE WHICH ARE NOT REVIEWED, STANTEC CONSULTING SERVICE INFORMATION. STANTED SERVICE INFORMATION SERVICE INFORMATION. STANTED SERVICE INFORMATION SERVICE INFORM

GENERAL NOTES

CONSTRUCTION.

ALUMINUM.

535-5901.

OPERATION.

DAMAGED BY HIS OPERATIONS.

BOXES NO. 5 FOR POLES D & E.

PLANS ES-1A. ES-1B AND ES-1C.

PRESENT FOR SIGNAL TURN-ON.

CONSTRUCTION NOTES

CONFIRM NO UTILITY CONFLICTS.

PROJECT SPECIFICATIONS.

IS INSTALL SIGN ON TRAFFIC SIGNAL AS NOTED.

7 REMOVE STREET LIGHT.

TO TRAFFIC CONDITIONS.

REVISED.

 \rightarrow ϕ 4

1. ALL ITEMS TO BE FURNISHED AND ALL WORK TO BE DONE SHALL CONFORM

2. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND NOTIFY ALL

3. THE EXISTENCE AND LOCATION OF UNDERGROUND UTILITY PIPES OR

STRUCTURES SHOWN ON THESE PLANS WERE MADE BY A SEARCH OF THE

RECORDS; HOWEVER, NO GUARANTEE IS MADE THAT ALL SUBSTRUCTURES OR

THAT THE LOCATIONS SHOWN ARE EXACT. THE CONTRACTOR SHALL TAKE DUE

PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES INCLUDING THOSE

NOT SHOWN OR THOSE NOT OF RECORD. CALL "UNDERGROUND SERVICE

ALERT" 811. CONTRACTOR WILL VERIFY THE LOCATION OF THE UTILITIES BEFORE INSTALLING FOUNDATIONS. THE CONTRACTOR SHALL BEAR THE TOTAL

EXPENSE OF REPAIR OR REALIGNMENT OF ANY UNDERGROUND UTILITIES

HEADS SHALL BE 12" AND HAVE BLACK LOUVERED RETROREFLECTIVE

BACKPLATES, VISORS SHALL BE TUNNEL TYPE, AND FRAMEWORK SHALL BE

PULL BOXES SHALL BE NO. 6 UNLESS OTHERWISE NOTED. INSTALL PULL

4. All TRAFFIC SIGNAL EQUIPMENT SHALL BE MCCAIN TRAFFIC. ALL SIGNAL

5. NO PULL BOXES SHALL BE LOCATED IN ANY WHEELCHAIR RAMP. ALL NEW

6. ALL VEHICLE AND PEDESTRIAN INDICATIONS SHALL BE LED PER STATE

7. THE LOCATION OF ALL TRAFFIC SIGNAL EQUIPMENT (INCL. PULL BOXES) SHALL

8. CONSTRUCTION INVOLVING LANE CLOSURES SHALL BE RESTRICTED TO 9 AM

9. MANUFACTURE'S REPRESENTATIVE FOR VEHICLE DETECTION SYSTEM SHALL BE PRESENT TO POSITION AND CONFIGURE SENSORS AT SIGNAL TURN-ON.

10. SOUTHERN CALIFORNIA EDISON SERVICE POWER SOURCE. ARRANGE WITH

13. ALL LEGENDS, NOTES AND ABBREVIATIONS REFER TO CALTRANS STANDARD

14. INSTALL AUDIBLE APS/PER ADA/PROWAG. CITY'S APS REPRESENTATIVE TO BE

1 | FURNISH AND INSTALL MCCAIN OR APPROVED EQUAL TYPE 332L CONTROLLER CABINET ON NEW FOUNDATION WITH FRONT AND REAR LIGHTS, DOUBLE FANS,

DOCUMENT DRAWER, MODEL 2070 CONTROLLER, 2030 PROGRAM, 2010ECL

2 FURNISH AND INSTALL TYPE IIIBF 100, 120/240V, SINGLE PHASE SERVICE

3 INSTALL 3 INCH CONDUIT FROM SOUTHERN CALIFORNIA EDISON (SCE) POINT

POT HOLE PROPOSED POLE LOCATION PRIOR TO ORDERING EQUIPMENT TO

5 INSTALL FLIR THERMAL SENSOR ON SIGNAL MAST ARM (POLE E) AND

6 FURNISH AND INSTALL BATTERY BACK UP SYSTEM IN EXTERNAL CABINET PER

8 FURNISH AND INSTALL OPTICOM MODEL 3100 PREEMPTION RADIO/GPS UNIT ON

POLE WITH PELCO BRACKET. INSTALL PHASE SELECTOR (MODEL 764) AND

AUXILIARY INTERFACE PANEL (MODEL 768). HARDWARE CONNECTED DIRECTLY TO TRAFFIC SIGNAL CONTROLLER PREEMPTION INPUT IN CONTROLLER CABINET.

LUMINAIRE MAST-ARM (POLE D & F) AS SHOWN. SENSOR ON SIGNAL MAST ARM SHALL BE MOUNTED WITH PELCO MOUNTING BRACKET. THERMAL SENSORS

SHALL BE FLIR FC-344 T2. INSTALL COMMUNICATIONS MODULE IN CONTROLLER

CABINET. SEE SPECIAL PROVISIONS FOR EQUIPMENT LIST AND INSTALLATION

REQUIREMENTS. RUN 5 IN 1 SIAMESE CABLE FROM SENSOR HOUSING DIRECTLY

PER MANUFACTURER'S RECOMMENDATION TO PROVIDE THE INTENDED

1P, 120V BREAKER AND ONE 30A, 2P, 240V BREAKER.

TO VIP-3D.1 PROCESSING CARD IN CONTROLLER CABINET.

CONFLICT MONITOR, BATTERY BACKUP SYSTEM, AND PERIPHERAL COMPONENTS

PEDESTAL IN 3R ENCLOSURE, WITH ONE 100A, 3P, 240V BREAKER, ONE 50A,

OF SERVICE TO NEW TYPE III BF SERVICE. DEPTH OF CONDUIT SHALL BE 42" MINIMUM. COORDINATE REMOVAL OF UTILITY POLE-MOUNTED LUMINAIRE WITH

11. INSTALL CAMERA AND BRACKET PER CALTRANS STANDARD PLAN ES-7R.

12. ALL SIGN NUMBERS REFER TO 2014 CALIFORNIA MUTCD (REV. 6).

SOUTHERN CALIFORNIA EDISON SERVICE PLANNER SHAWN LEE (805)

TO 3 PM. CITY INSPECTOR MAY APPROVE EXPANDED WORK HOURS SUBJECT

STANDARDS. PEDESTRIAN SIGNAL SHALL BE COUNTDOWN TYPE.

BE APPROVED BY CITY INSPECTOR PRIOR TO CONSTRUCTION.

UTILITY COMPANIES 48 HOURS IN ADVANCE OF CONSTRUCTION. IT SHALL BE

THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE ALL PHASES OF

TO SECTION 86 "ELECTRICAL SYSTEMS" OF THE 2018 STATE OF CALIFORNIA, STANDARD SPECIFICATIONS AND STANDARD PLANS AS MOST RECENTLY

STANTEC PROJECT NO. 2064157800

LAN DATE 2/10/2022