

CITY OF HUNTINGTON BEACH

DEPARTMENT OF PUBLIC WORKS

UTICA AVENUE BICYCLE BOULEVARD

FROM MAIN ST. TO BEACH BLVD.

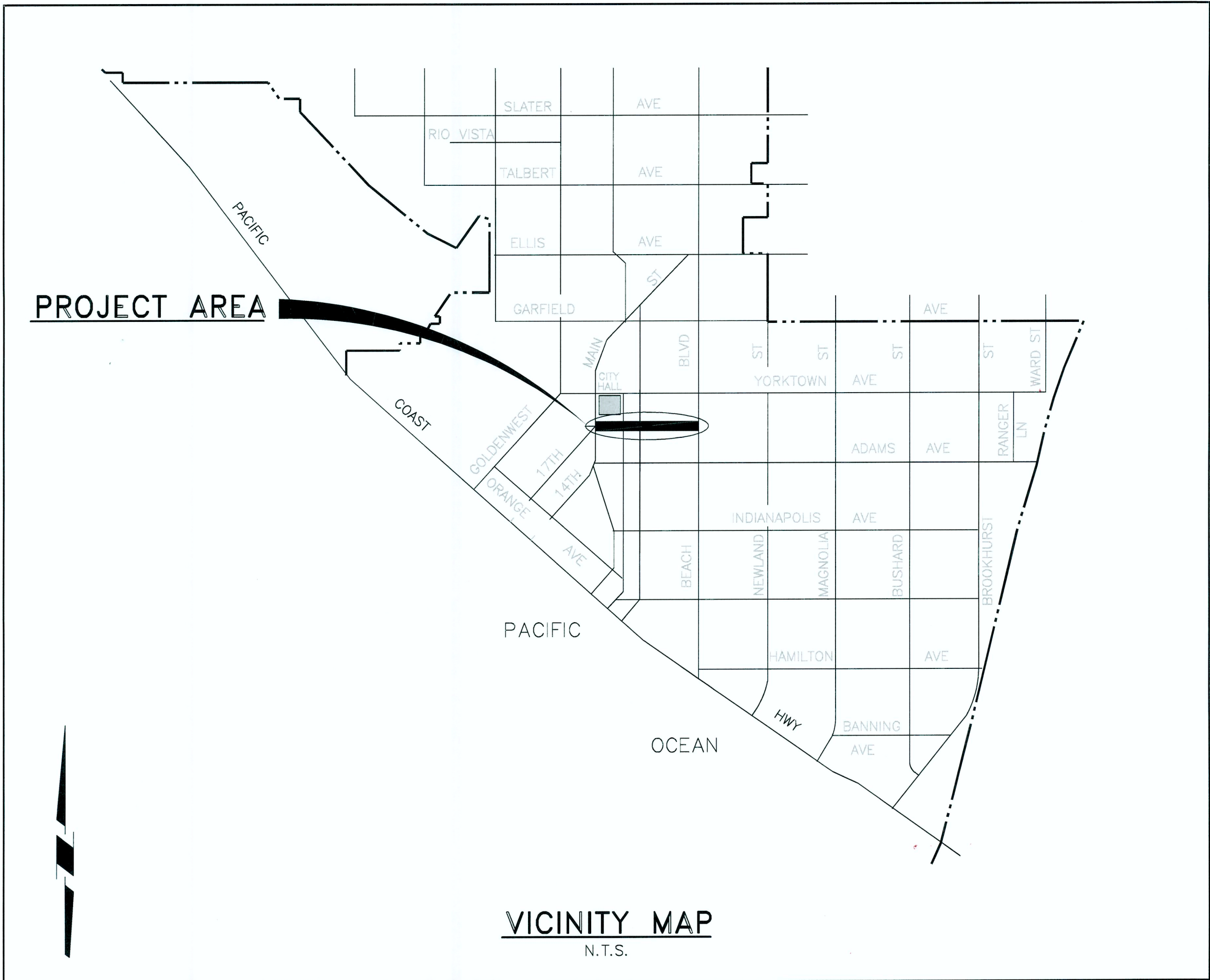
STA. 10+52 TO STA. 48+87

CML-5181(187)

C.C. 1499

NPDES GENERAL NOTES:

- SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING INDUSTRY ACCEPTED BEST MANAGEMENT PRACTICES (BMPs). THESE BMPs SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY SUCH AS GRADING THAT MAY CAUSE SOIL DISTURBANCE. THESE BMPs ARE TO BE MAINTAINED YEAR-ROUND OR UNTIL ALL LOOSE SEDIMENT HAS BEEN STABILIZED.
- STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES AND ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND. STOCKPILED MATERIAL SHALL BE NO MORE THAN 8 FEET IN HEIGHT AND SHALL BE COMPLETELY COVERED WITH A SECURE IMPERMEABLE COVER AT THE END OF EACH WORK DAY. ALL STOCKPILES SHALL BE LOCATED AWAY FROM ANY STORM DRAIN INLETS AND AWAY FROM ANY STORM WATER CONVEYANCE STRUCTURES. AT NO TIME SHALL ANY RAW MATERIAL BE STAGED OR STOCKPILED ON CITY STREETS, SIDEWALKS, AND/OR GUTTERS WITHOUT A VALID OBSTRUCTION PERMIT.
- APPROPRIATE BMPs FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, AND ADJOINING PROPERTY BY WIND OR RUNOFF.
- RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED ON THE CONSTRUCTION SITE AND SHALL NOT BE DISCHARGED TO RECEIVING WATERS OR TO THE STORM DRAIN SYSTEM.
- CONCRETE WASH OUT WATER SHALL BE CONTAINED IN A WATER-TIGHT DEVICE TO PREVENT CEMENT DEPOSITION ONTO THE GROUND AND RUNOFF INTO STREETS, DRAINAGE FACILITIES, AND RECEIVING WATERS.
- ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BMPs AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
- AT THE END OF EACH WORK DAY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED IN COVERED TRASH OR RECYCLE BINS.
- CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT STORMWATER DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIALS OTHER THAN STORMWATER (NON-STORMWATER DISCHARGES) ARE PROHIBITED EXCEPT AS AUTHORIZED BY AN INDIVIDUAL NPDES PERMIT OR THE STATEWIDE GENERAL CONSTRUCTION STORMWATER PERMIT.
- ALL UNPAVED CONSTRUCTION ENTRANCES AND EXITS SHALL BE PROTECTED USING AN EFFECTIVE COMBINATION OF TRACKING CONTROL BMPs TO MINIMIZE AND/OR ELIMINATE OFF-SITE TRACKING OF SEDIMENT. THESE BMPs SHALL BE MAINTAINED AND INSPECTED DAILY.
- ALL TEMPORARY PORTABLE RESTROOMS MUST HAVE A CATCHMENT PAN AND MUST BE LOCATED AT LEAST 50 FEET AWAY FROM ANY STORM DRAIN INLETS.
- POLLUTANTS ARE ANY SUBSTANCES INTRODUCED INTO THE ENVIRONMENT THAT ADVERSELY AFFECTS THE USEFULNESS OF A RESOURCE. POTENTIAL POLLUTANTS INCLUDE, BUT ARE NOT LIMITED TO: SEDIMENT; SOLID OR LIQUID CHEMICALS SUCH AS: PAINTS, STAINS, SEALANTS, SOLVENTS, DETERGENTS, GLUES, LIME, PESTICIDE, HERBICIDE, FERTILIZERS, WOOD PRESERVATIVES AND ASBESTOS FIBERS; PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; CONCRETE, AND RELATED CUTTING OR CURING RESIDUES; FLOATABLE WASTES; WASTES FROM ENGINE / EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; WASTES FROM STREET CLEANING; AND SUPER-CHLORINATED POTABLE WATER FROM LINE FLUSHINGS AND TESTING.
- DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED MANNER. A DESIGNATED TEMPORARY AREA ON-SITE SHALL BE PHYSICALLY SEPARATED FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
- DISCHARGING CONTAMINATED GROUNDWATER, PRODUCED BY DEWATERING GROUNDWATER THAT HAS INFILTRATED INTO THE CONSTRUCTION SITE IS PROHIBITED. DISCHARGING OF CONTAMINATED SOILS VIA SURFACE EROSION IS ALSO PROHIBITED. DISCHARGING NON-CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING ACTIVITIES REQUIRES A NATIONAL POLLUTANTS DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
- DISCHARGES OF STORM WATER FROM CONSTRUCTION SITES SHALL NOT BE LADEN WITH SEDIMENT. ALL STORM WATER DISCHARGES MUST BE RELATIVELY FREE OF SEDIMENT.
- ALL CONTRACTORS AND CONSTRUCTION PERSONNEL SHALL MEET THE REGULATORY CONSTRUCTION REQUIREMENTS ON THE PROJECT SITE IN COMPLIANCE WITH THE CITY'S MUNICIPAL CODE 14.25, STORMWATER AND URBAN RUNOFF MANAGEMENT AND MUNICIPAL CODE 17.05, GRADING AND EXCAVATION CODE.



SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	STREET IMPROVEMENT PLANS AND DETAILS
3-4	CURB RAMP DETAILS UTICA AVENUE AND LAKE STREET
5	TRAFFIC SIGNAL PLAN UTICA AVENUE AND LAKE STREET
6-7	SIGNING AND STRIPING PLAN UTICA AVENUE - MAIN STREET TO BEACH BOULEVARD

APPROVED: _____
SEAN CRUMBY, P.E.
DIRECTOR OF PUBLIC WORKS

DATE

APPROVED: _____
THOMAS M. HERBEL, P.E.
CITY ENGINEER

DATE

NOTICE TO THE CONTRACTOR

CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE ENGINEER.

Underground Service Alert



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811

TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'VD	REV.	DATE	BY	DESCRIPTION	APP'VD

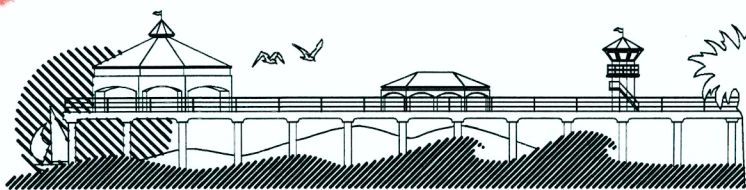
REFERENCE

PREPARED UNDER THE SUPERVISION OF:

WILLIAM F. JANUSZ, P.E. DATE
R.C.E. NO.: 44002 EXP. DATE: 6/30/21

REVIEWED BY:
TRANSPORTATION ENGINEERING

DRAWN BY: _____ R.P.
DESIGNED BY: _____ R.P.
CHECKED BY: _____ J.R.W. DATE



TITLE SHEET
UTICA AVENUE
FROM MAIN ST. TO BEACH BLVD.
STA. 10+52 TO STA. 48+87

SHEET NO.

1

OF

7

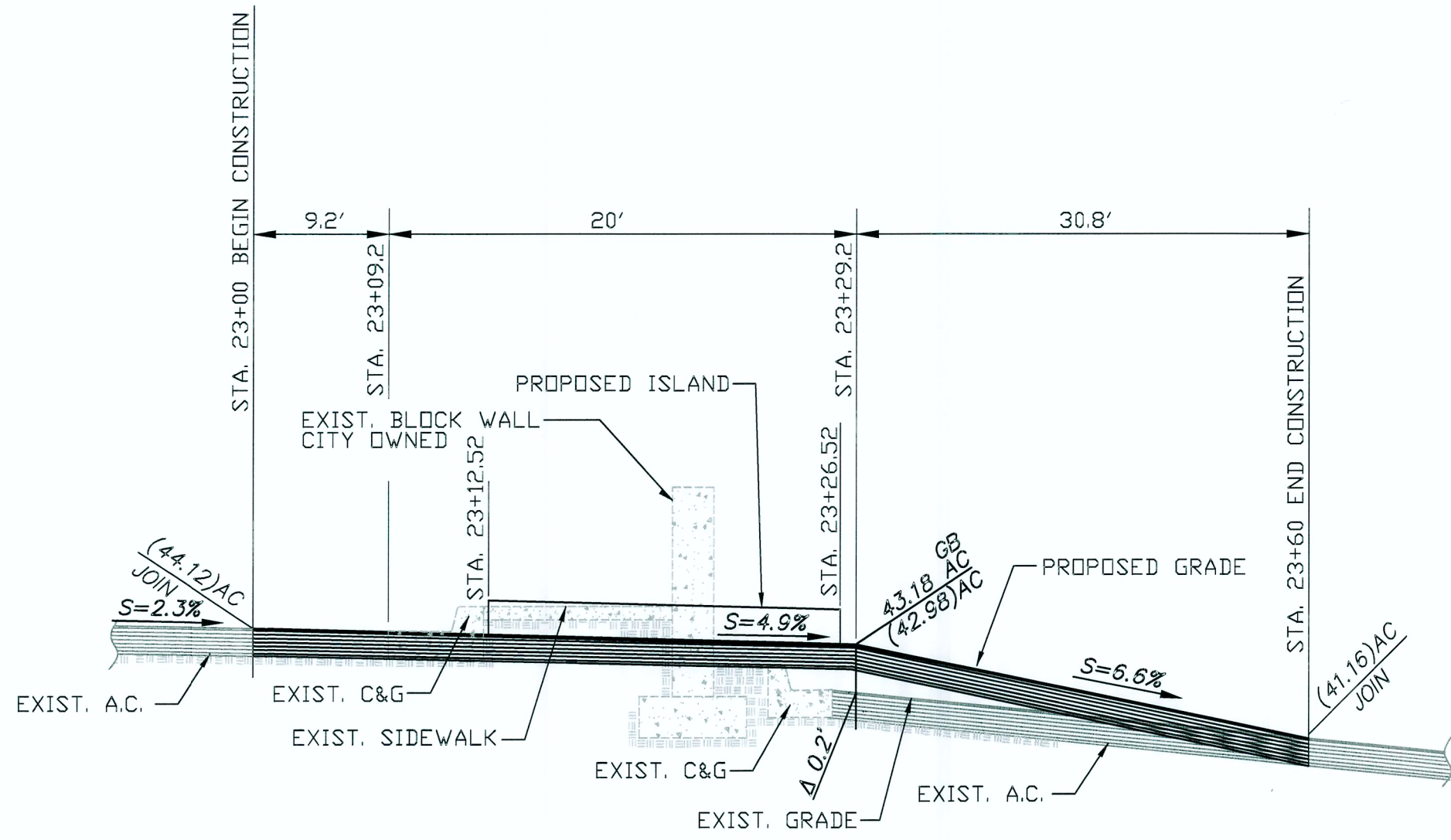
UTICA AVENUE BICYCLE BOULEVARD

C.C. No. 1499

VERTICAL / STATIONING CONTROL:

VERTICAL CONTROL:
HELD 34.395 FEET NAVD 88 DATUM, 2005 LEVEL YEAR ON OCS BENCHMARK
HB-269-99, DESCRIBED IN ORANGE COUNTY NOTES AS A 3 3/4" ALUMINUM
BENCHMARK DISK STAMPED "HB-269-99", SET IN THE S'LY CORNER OF A 4' BY 6'
CONCRETE CATCH BASIN. THE MONUMENT IS LOCATED IN THE NORTHWESTERLY CORNER
OF THE INTERSECTION OF ADAMS AVE AND ALABAMA ST. MONUMENT IS SET
LEVEL WITH THE SIDEWALK.

HORIZONTAL CONTROL:
HELD UTICA AVE AT DELAWARE ST STA. 50+00.00 INCREASING N'LY AND UTICA AVE
AT MAIN STREET STA. 10+00.00 INCREASING E'LY.

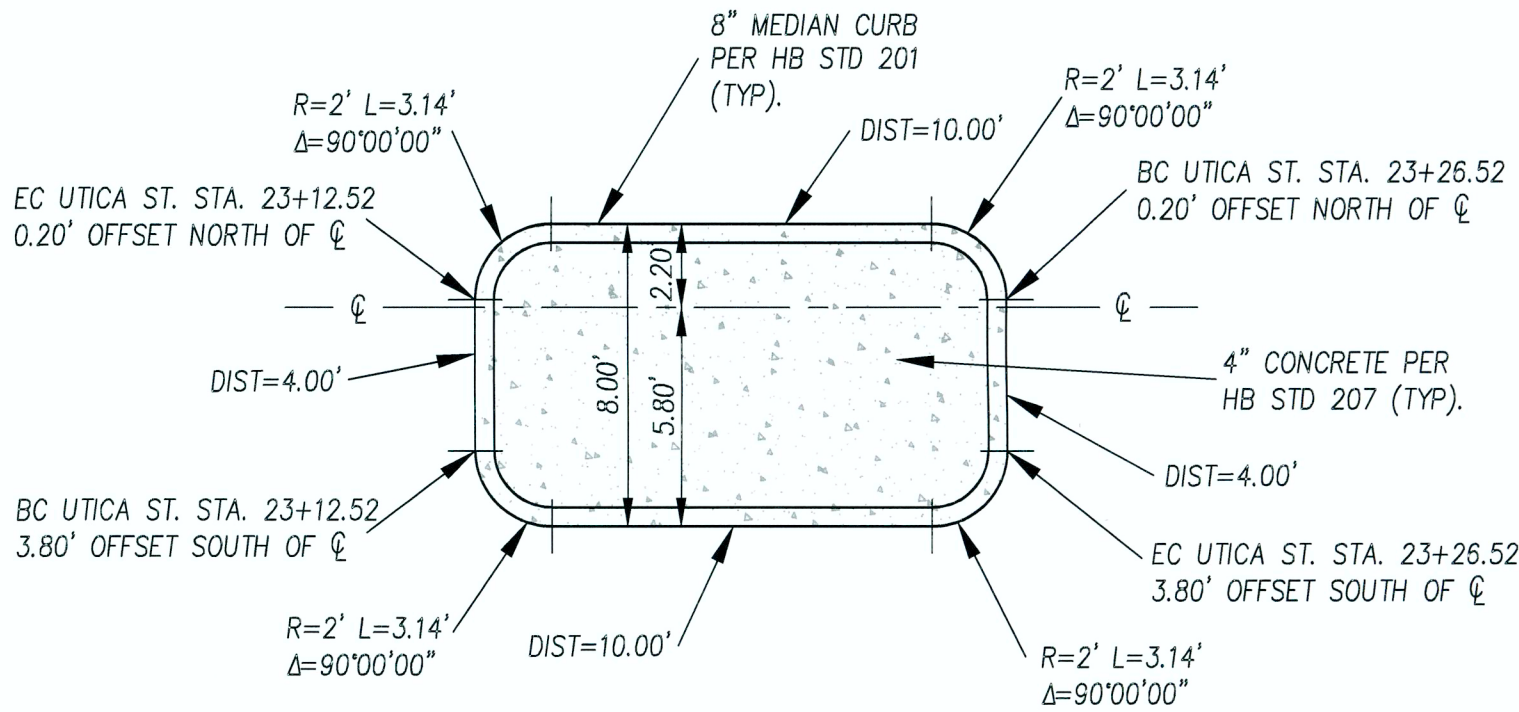


BICYCLE THROUGH ACCESS SECTION C-C

N.T.S.

CONSTRUCTION NOTES:

	QTY
1 PROTECT IN PLACE	-
2 REMOVE EXISTING BLOCK WALL AND FOOTING	21 LF
3 CONSTRUCT CONCRETE ISLAND PER DETAIL ON SHEET 2	1 EA
4 CONSTRUCT 8" MEDIAN CURB PER HB STD PLAN 201	40 LF
5 REMOVE AND DISPOSE EXISTING A.C. AND BASE MATERIAL TO A DEPTH OF 1.5' BELOW NEW FINISHED SURFACE (INCLUSIVE OF ROADWAY GRADING, IMPORT/EXPORT TO MEET FINISH GRADE)	1,500 SF
6 REMOVE AND DISPOSE OF EXISTING CURB AND GUTTER, UP TO THE NEAREST JOINT	1,495 LF
7 CONSTRUCT 6" CURB & GUTTER PER HB STD PLAN 202	76 LF
8 CONSTRUCT 6" CURB PER HB STD PLAN 201	33 LF
9 REPLACE EXISTING IMPROVEMENT WITH LANDSCAPING MATCHING ADJACENT. ANY DAMAGED/DISTURBED IRRIGATION SHALL BE RESTORED	1 LS
10 ADJUST MANHOLE TO GRADE	1 EA
11 FINISH RAW EDGE OF WALL WITH MATCHING EXISTING MATERIAL AND COLOR	2 EA
12 REMOVE AND DISPOSE EXISTING SIDEWALK, UP TO THE NEAREST JOINT	113 SF
13 CONSTRUCT NEW 2" TYPE III-C3-PG64-10(1/2") SURFACE COURSE OVER 4" CLASS B-PG70-10(3/4") BASE COURSE OVER 1.0' C.M.B. PER HB STD PLAN 103	69.5 TONS OF AC 99.9 TONS OF CMB



NOTES:

- REFER TO CALTRANS STD PLANS RSP A88A AND RSP A88B.
- ISLAND SHALL BE TYPE "B" PASSAGEWAY.

3 ISLAND DETAIL
N.T.S.

LEGEND

(XX.XX)AC = EXISTING ELEVATION
XX.XX AC = PROPOSED ELEVATION
TC = TOP OF CURB ELEV.
NEW CONCRETE
NEW PAVEMENT
REMOVALS
AC = ASPHALT CONC. ELEV.
FL = FLOW LINE ELEV.

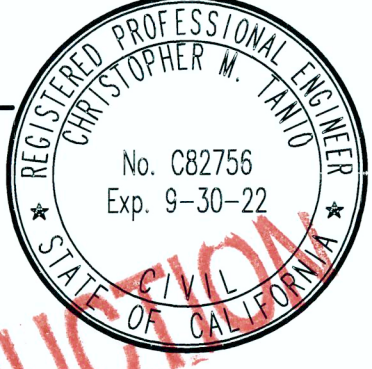
CURVE #	Δ°	R	L	CENTER STATION
1	88°53'26"	25'	38.79'	22+87.76
2	22°11'46"	2'	2.37'	N/A
3	27°36'24"	2'	2.18'	N/A
4	62°23'36"	20'	21.78'	22+46.35
5	80°18'05"	25'	35.04'	22+87.76
6	30°44'16"	2'	2.07'	N/A
7	38°52'00"	2'	1.78'	N/A
8	38°52'00"	20'	17.85'	22+46.35

CC-1499 UTICA-MAIN TO BEACH - R3.DWG

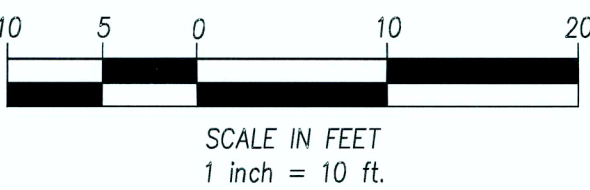
20+99.87
LAKE ST.
INTERSECTION

UTICA

AVENUE



GRAPHIC SCALE



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TWO WORKING DAYS BEFORE YOU DIG

REV.	DATE	BY	DESCRIPTION	APP'D

REFERENCES

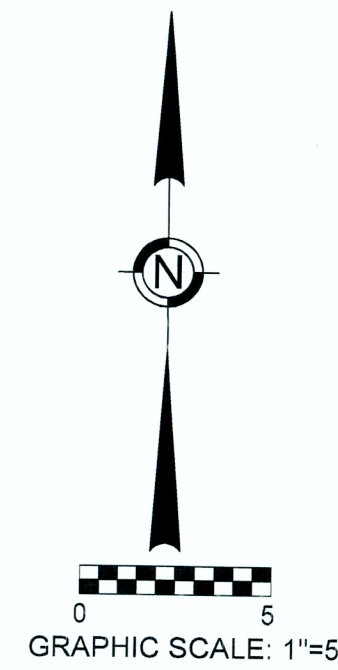
PREPARED UNDER THE SUPERVISION OF CHRISTOPHER M. TANIO, P.E. R.C.E. NO.: CB2756 EXP. DATE: 09/30/22	DATE: 09/30/22
DRAWN BY: EC DESIGNED BY: EC CHECKED BY: CT	DATE: 09/30/22



STREET IMPROVEMENT PLAN AND DETAILS
UTICA AVENUE
BETWEEN LAKE ST TO ALABAMA ST.
STA. 23+00± TO STA. 23+60±

CONSTRUCTION NOTES:

- 1 REMOVE AND RECONSTRUCT CURB RAMP, AND GUTTER PER CALTRANS STD PLAN RSPABBA, CASE B. (INCLUDES ALL APPURTENANCES, GUTTER, DEPRESSED CURB, SIDEWALK, DOMES, RETAINING CURB, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE AS SHOWN).
- 2 REMOVE AND RECONSTRUCT AC PAVEMENT 12" DEEP.
- 3 REMOVE AND RECONSTRUCT P.C.C. CURB AND GUTTER PER H.B. STD. PLAN 202 (CF=0"). INCLUDES AGGREGATE BASE AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.



STREET

LAKE

UTICA

AVENUE

LEGEND

100.09 FS	DESIGN ELEVATIONS
(100.47 TC)	EXISTING GROUND ELEVATIONS
AC	ASPHALT CONCRETE
BW	BACK OF WALK
B"x"	BOTTOM OF "x"
CB	CATCH BASIN
CL	STREET CENTERLINE
CD	CURB DRAIN
CF	CURB FACE
D	DIAMETER
EOC	EDGE OF CONCRETE
EG	EDGE OF GUTTER
EW	EDGE OF WALK
FH	FIRE HYDRANT
FL	FLOW LINE
GA	GUY ANCHOR
GB	GRADE BREAK
GR	GRASS
LP	LIGHT POLE

LEGEND CONT.

NG	NATURAL GROUND
OFW	OUTSIDE FACE OF WALL
PT	PALM TREE
P.C.C.	PORTLAND CEMENT CONCRETE
PP	POWER POLE
R/W	RIGHT-OF-WAY
SG	SIGN
SS	STOP SIGN
SDMH	STORM DRAIN MANHOLE
STS	STREET SIGN
TC	TOP OF CURB
TRW	TOP OF RETAINING WALL
T"x"	TOP OF "x"
WL	WALL
WAP	WALL ANGLE POINT
WT/AI/AR	WATER AIR RELEASE VALVE
WM	WATER METER
WV	WATER VALVE

LEGEND CONT.

	ASPHALT CONCRETE
	PORTLAND CEMENT CONCRETE

BENCHMARK
FD 3-3/4" ALUMINUM OCSO BENCHMARK DISK STAMPED
"HB-198-71", ELEV=19.992', NAVD 88 DATUM, 2005
LEVEL YEAR, LOCATED IN THE NORTHWESTERLY QUADRANT
OF BEACH BLVD AND ADAMS AVE. MONUMENT IS LOCATED
IN THE TOP OF A 6" CATCH BASIN, LEVEL WITH THE TOP
OF CURB.

ANDREASEN ENGINEERING, INC.
Civil Engineering • Land Surveying • Municipal Engineering
580 North Park Avenue, Pomona, California 91768
(909) 623-1585 Fax (909) 620-0016
www.aecivil.com



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TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

REV.	DATE	BY	DESCRIPTION	APPROVED

REFERENCES

APPROVED
CITY ENGINEER:

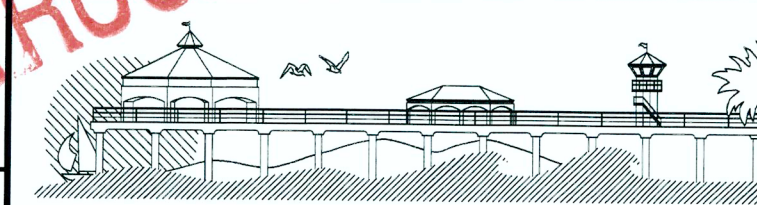
THOMAS M. HERBEL, P.E.
R.C.E. NO.: 53390
EXP. DATE: 6/30/21

DATE: 6/30/21
DESIGNED BY: S. Ventura
CHECKED BY: S. Ventura

PREPARED UNDER THE SUPERVISION OF:

STEPHEN VENTURA
R.C.E. NO.: 32437
EXP. DATE: 12/31/22

DATE: 12/31/22
TRANSPORTATION ENGINEERING



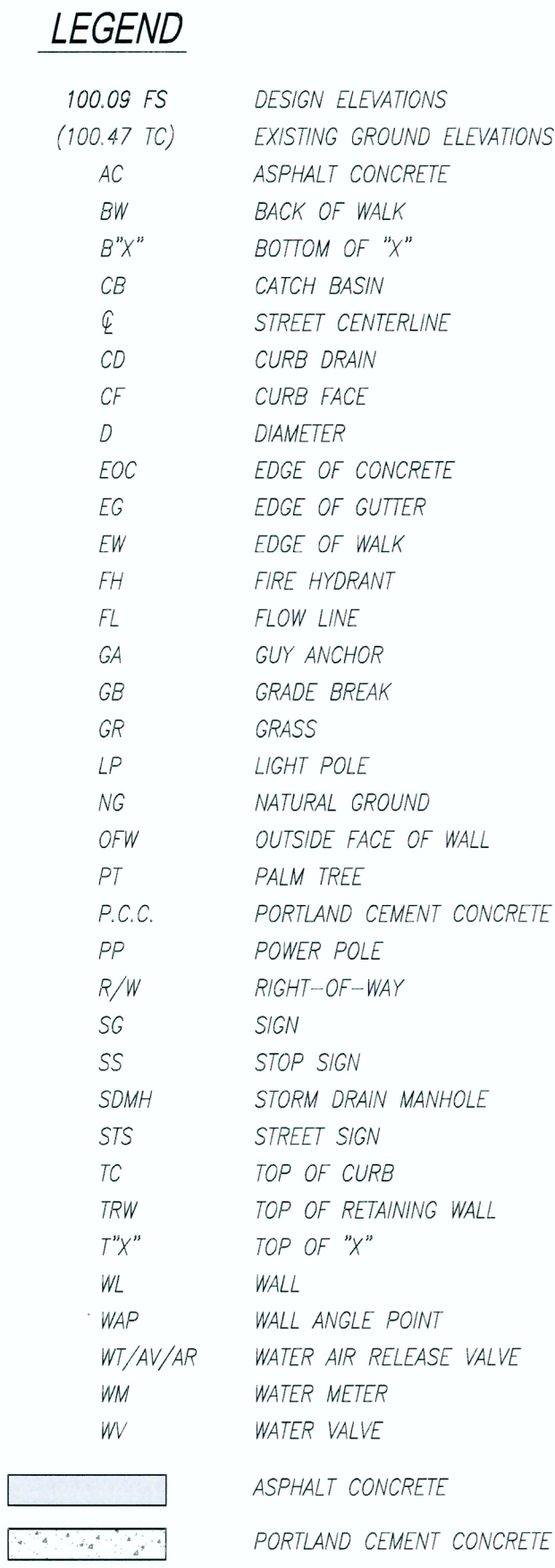
CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

**CURB RAMP PLAN
LAKE STREET
AT
UTICA AVENUE**

3563 STREET PLANS.DWG

SHEET NO.

3
OF
7



- ① REMOVE AND RECONSTRUCT CURB RAMP, AND GUTTER PER CALTRANS STD PLAN RSPABBA, CASE B. (INCLUDES ALL APPURTENANCES, GUTTER, DEPRESSED CURB, SIDEWALK, DOMES, RETAINING CURB, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE AS SHOWN).
- ② REMOVE AND RECONSTRUCT AC PAVEMENT 12" DEEP.
- ③ REMOVE AND RECONSTRUCT P.C.C. CURB AND GUTTER PER H.B. STD. PLAN 202 ("F+B"). INCLUDES AGGREGATE BASE AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.
- ④ REMOVE AND RECONSTRUCT P.C.C SPANDREL PER H.B. STD. PLAN 205. (INCLUDES AGGREGATE BASE AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE).

3563 STREET PLANS.DWG

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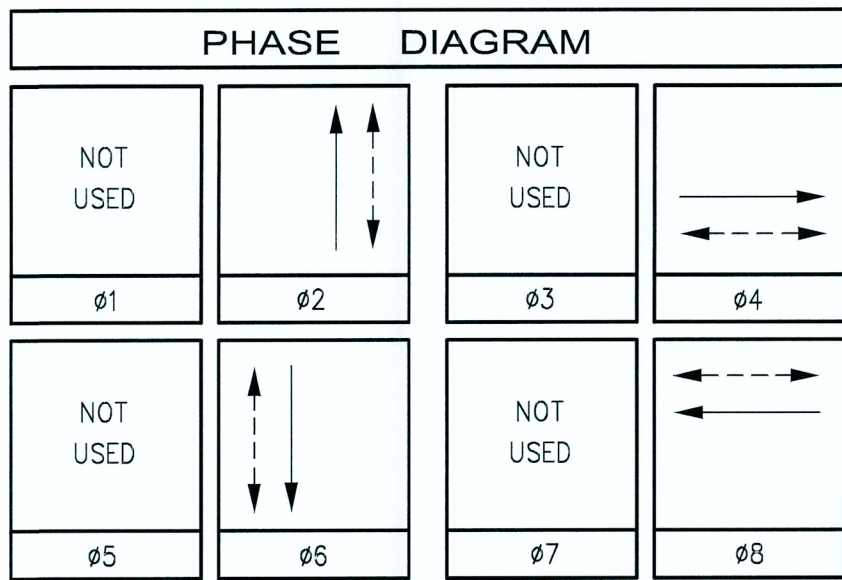
TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

REV.	DATE	BY	DESCRIPTION	APPROVED

CONDUCTOR			SCHEDULE												
POLE #	AWG	CIRCUIT	RUNS												
			1	2	3	4	5	6	7	8	9	10	11	12	13
2	28 COND CABLE	#2, #2P, #8PPB, LUMINAIRE, IISNS	1	—	1	1	—	—	—	—	—	—	—	—	—
3		#4, #4P, #2PPB, LUMINAIRE, IISNS	1	—	1	—	—	—	—	—	—	—	—	—	—
7		#6, #6P, #4P, #6P, LUMINAIRE, IISNS	1	—	1	—	—	—	—	—	—	—	1	—	—
11		#8, #8P, #6PPB, LUMINAIRE, IISNS	1	—	1	—	—	—	—	1	—	—	—	1	—
		TOTAL	4	—	4	1	—	—	—	1	—	—	2	—	—
1	12/3 COND CABLE	#2, #6P /#8PPB, #6BPP	—	—	—	—	—	—	1	2	—	—	—	—	—
3		#4, #8P /#2PPB	—	—	—	—	—	—	—	—	—	—	—	—	—
4		#6, #2P /#4PPB, #2BPP	—	—	—	—	—	—	—	—	—	—	—	—	—
5		#8PPB	—	—	—	—	—	—	—	—	—	—	—	—	—
6		#4PPB	—	—	—	—	—	—	—	—	—	—	—	—	—
7		#6PPB	—	—	—	—	—	—	—	—	—	—	—	—	—
10		#4BPP	—	—	—	—	—	—	—	—	—	—	—	—	—
		TOTAL	—	—	1	2	—	1	2	1	2	—	1	2	—
EMERG. PRE-EMPT CABLE *			4	—	4	1	—	—	—	1	—	—	2	—	—
#6 SIGNAL SERVICE			3	3	3	—	—	—	—	—	—	—	—	—	—
#10 SIGNAL SERVICE			3	2	2	—	—	—	—	—	—	—	—	—	—
#12 SIGNAL SERVICE			3	2	2	—	—	—	—	—	—	—	—	—	—
TYPE C DLC	PHASE 2		4	—	—	—	—	—	—	—	—	—	—	—	—
	PHASE 4		2	—	2	—	—	—	—	—	—	2	2	—	—
	PHASE 6		4	—	4	—	—	—	4	4	—	—	4	—	—
	PHASE 8		2	—	2	2	2	—	—	—	—	—	—	—	—
	TOTAL		12	—	8	2	2	—	4	4	—	2	6	—	—
CONDUIT SIZE			2-4"	2"	2-4"	3"	3"	1.5"	3"	3"	1.5"	3"	4"	1.5"	1.5"

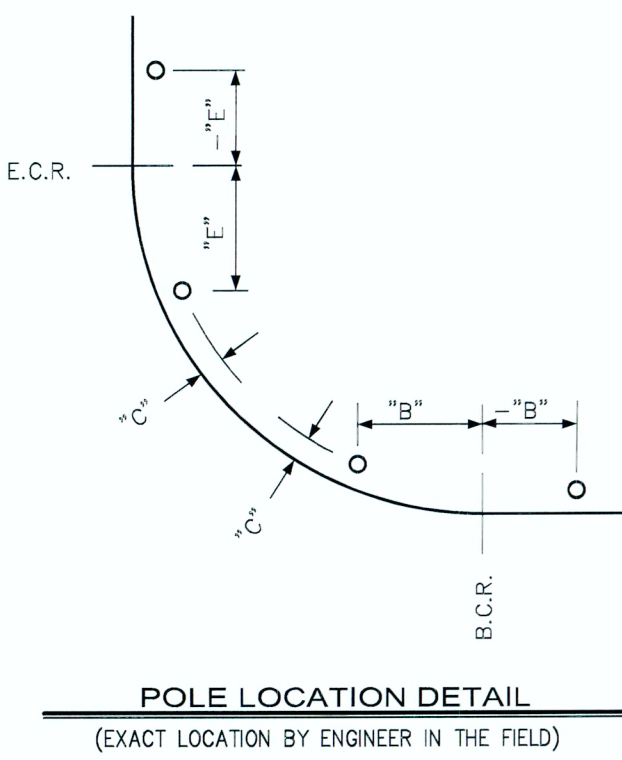
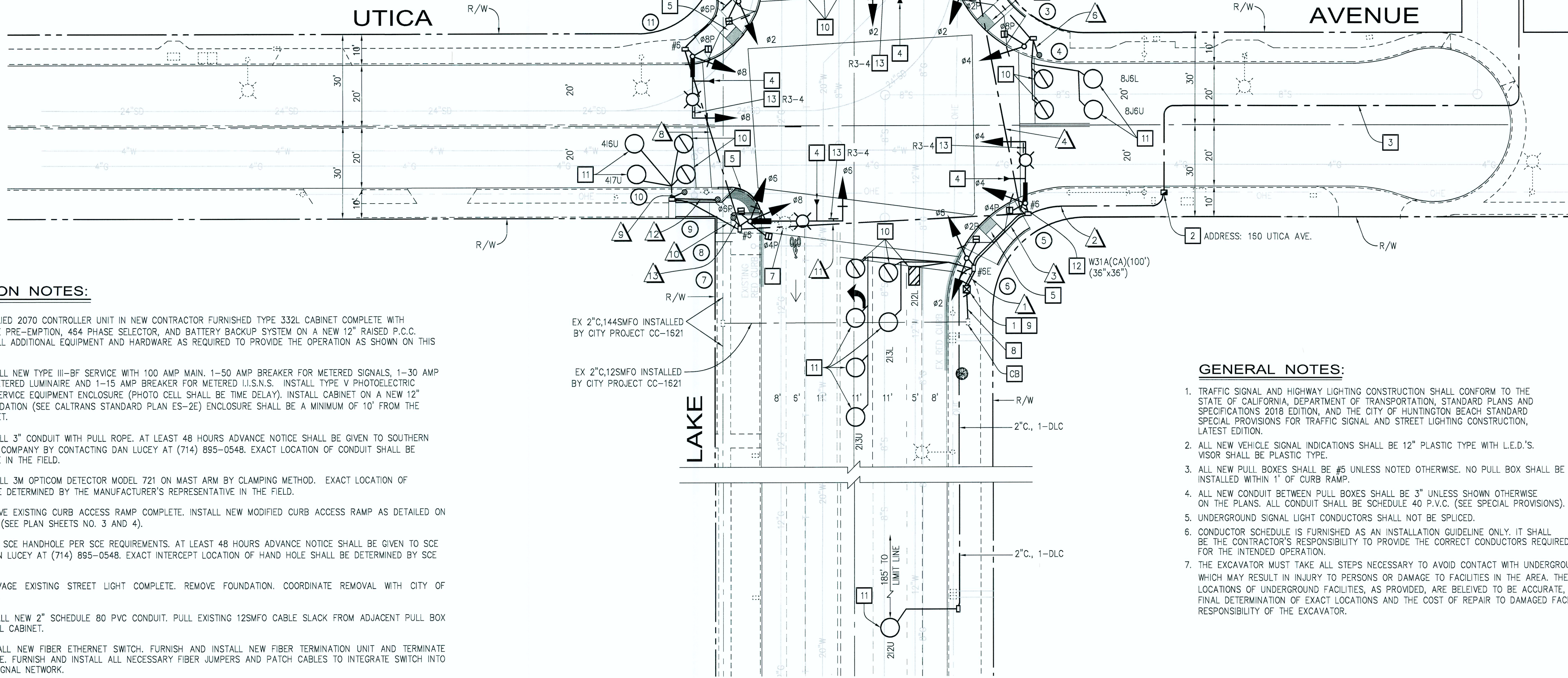
CONTRACTOR SHALL TERMINATE CONDUCTORS IN TERMINAL COMPARTMENTS AND IN THE CONTROLLER CABINET TO ACHIEVE OPERATION SHOWN.
ALL CONDUITS AND CONDUCTORS SHALL BE NEW.
* - 3M MODEL M-138 CABLE



POLE						SCHEDULE										
STANDARD						LUMINAIRE LED**	IISNS LEGEND	SIGNAL MOUNTING			PPB PHASE	BPB PHASE	PLACEMENT			REMARKS
No.	TYPE	HGT.	SIG.	M.A.	LUM. M.A.			VEHICLE	PED				"C"	"B"	"E"	
①	1-A	10'	—	—	—	—	—	—	TV-2-T	SP-1-CS	ø8	ø6	4.5'	6.75'	—	
②	19-3-100	30'	30'	12'(1)	130W	▲ Utica	MAS	—	*LE-SV-1-T	SP-1-CS	ø8	—	2.5'	—	14'	
③	1-A	10'	—	—	—	—	—	—	TV-1-T	SP-1-CS	ø2	—	2.5'	15'	—	
④	PPB POST	4'2"	—	—	—	—	—	—	—	—	—	ø8	1.5'	10'	—	
⑤	17-3-100	30'	20'	12'(1)	130W	▲ Lake	MAS	—	*LE-SV-2-T	SP-1-CS	ø2	—	2.5'	—	14.5'	
⑥	1-A	10'	—	—	—	—	—	—	TV-1-T	SP-1-CS	ø4	ø2	2.5'	16.75'	—	
⑦	19-3-100	30'	30'	12'(1)	130W	▲ Utica	MAS	—	*LE-SV-2-TA	SP-2-CS	—	—	4'	—	-1'	
⑧	PPB POST	4'2"	—	—	—	—	—	—	—	—	ø4	—	9'	—	0'	
⑨	PPB POST	4'2"	—	—	—	—	—	—	—	—	ø6	—	4'	-4'	—	
⑩	PPB POST	4'2"	—	—	—	—	—	—	—	—	—	ø4	1.5'	-15'	—	
⑪	17-3-100	30'	20'	12'(1)	130W	▲ Lake	MAS	—	*LE-SV-1-T	SP-1-CS	ø6	—	2.5'	—	2.25'	

* INSTALL LINGO INDUSTRIAL ELECTRONICS MODEL LE-SV TERMINAL BOX.
** INSTALL HOUSE SIDE SHIELDS ON ALL LUMINAIRE HEADS.
▲ SHAFT MOUNTED LED PER SPECIAL PROVISIONS.
■ ALL NEW EQUIPMENT LISTED IN THE POLE SCHEDULE WILL BE CITY FURNISHED, INCLUDING ANCHOR BOLTS. THE CONTRACTOR IS TO PICK UP THE MATERIALS, WITH ITS OWN LABOR AND EQUIPMENT AT THE CITY YARD, 17371 GOTHARD STREET. TWO (2) WORKING DAY NOTICE SHALL BE PROVIDED TO THE TRAFFIC SIGNAL SHOP AT (714) 536-5530.

(1)-STRAIGHT LUMINAIRE ARM

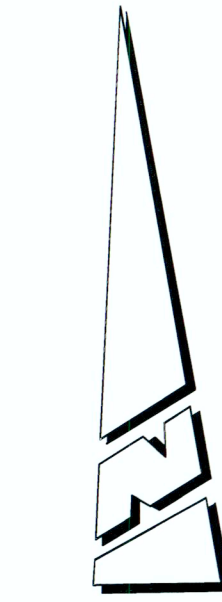


CONSTRUCTION NOTES:

1. INSTALL CITY SUPPLIED 2070 CONTROLLER UNIT IN NEW CONTRACTOR FURNISHED TYPE 332L CABINET COMPLETE WITH EMERGENCY VEHICLE PRE-EMPTION, 464 PHASE SELECTOR, AND BATTERY BACKUP SYSTEM ON A NEW 12" RAISED P.C.C. FOUNDATION. INSTALL ADDITIONAL EQUIPMENT AND HARDWARE AS REQUIRED TO PROVIDE THE OPERATION AS SHOWN ON THIS PLAN.
2. FURNISH AND INSTALL NEW TYPE III-BF SERVICE WITH 100 AMP MAIN, 1-50 AMP BREAKER FOR METERED SIGNALS, 1-30 AMP BREAKER FOR UNMETERED LUMINAIRE AND 1-15 AMP BREAKER FOR METERED I.I.S.N.S. INSTALL TYPE V PHOTOELECTRIC CONTROL UNIT IN SERVICE EQUIPMENT ENCLOSURE (PHOTO CELL SHALL BE TIME DELAY). INSTALL CABINET ON A NEW 12" RAISED P.C.C. FOUNDATION (SEE CALTRANS STANDARD PLAN ES-2E) ENCLOSURE SHALL BE A MINIMUM OF 10' FROM THE CONTROLLER CABINET.
3. FURNISH AND INSTALL 3" CONDUIT WITH PULL ROPE. AT LEAST 48 HOURS ADVANCE NOTICE SHALL BE GIVEN TO SOUTHERN CALIFORNIA EDISON COMPANY BY CONTACTING DAN LUCEY AT (714) 895-0548. EXACT LOCATION OF CONDUIT SHALL BE DETERMINED BY SCE IN THE FIELD.
4. FURNISH AND INSTALL 3M OPTICOM DETECTOR MODEL 721 ON MAST ARM BY CLAMPING METHOD. EXACT LOCATION OF DETECTOR SHALL BE DETERMINED BY THE MANUFACTURER'S REPRESENTATIVE IN THE FIELD.
5. SAWCUT AND REMOVE EXISTING CURB ACCESS RAMP COMPLETE. INSTALL NEW MODIFIED CURB ACCESS RAMP AS DETAILED ON CURB RAMP PLANS (SEE PLAN SHEETS NO. 3 AND 4).
6. INTERCEPT EXISTING SCE HANDHOLE PER SCE REQUIREMENTS. AT LEAST 48 HOURS ADVANCE NOTICE SHALL BE GIVEN TO SCE BY CONTACTING DAN LUCEY AT (714) 895-0548. EXACT INTERCEPT LOCATION OF HAND HOLE SHALL BE DETERMINED BY SCE IN THE FIELD.
7. REMOVE AND SALVAGE EXISTING STREET LIGHT COMPLETE. REMOVE FOUNDATION. COORDINATE REMOVAL WITH CITY OF HUNTINGTON BEACH.
8. FURNISH AND INSTALL NEW 2" SCHEDULE 80 PVC CONDUIT. PULL EXISTING 12SMFO CABLE SLACK FROM ADJACENT PULL BOX INTO TRAFFIC SIGNAL CABINET.
9. FURNISH AND INSTALL NEW FIBER ETHERNET SWITCH. FURNISH AND INSTALL NEW FIBER TERMINATION UNIT AND TERMINATE 12SMFO DROP CABLE. FURNISH AND INSTALL ALL NECESSARY FIBER JUMPERS AND PATCH CABLES TO INTEGRATE SWITCH INTO EXISTING TRAFFIC SIGNAL NETWORK.
10. INSTALL TYPE F VEHICLE/BICYCLE LOOP DETECTOR PER CALTRANS REVISED STANDARD PLAN RSP ES-5B.
11. INSTALL TYPE E VEHICLE LOOP DETECTOR PER CALTRANS REVISED STANDARD PLAN RSP ES-5B.
12. FURNISH AND INSTALL SIGN AS SHOWN ON TRAFFIC SIGNAL POLE SHAFT AT 17' HEIGHT.
13. FURNISH AND INSTALL NEW SIGN(S) ON SIGNAL MAST ARM AS SHOWN ON PLAN PER CALTRANS STANDARD PLAN ES-7N, DETAIL U.

GENERAL NOTES:

1. TRAFFIC SIGNAL AND HIGHWAY LIGHTING CONSTRUCTION SHALL CONFORM TO THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLANS AND SPECIFICATIONS 2018 EDITION, AND THE CITY OF HUNTINGTON BEACH STANDARD SPECIAL PROVISIONS FOR TRAFFIC SIGNAL AND STREET LIGHTING CONSTRUCTION, LATEST EDITION.
2. ALL NEW VEHICLE SIGNAL INDICATIONS SHALL BE 12" PLASTIC TYPE WITH L.E.D.'S. VISOR SHALL BE PLASTIC TYPE.
3. ALL NEW PULL BOXES SHALL BE #5 UNLESS NOTED OTHERWISE. NO PULL BOX SHALL BE INSTALLED WITHIN 1' OF CURB RAMP.
4. ALL NEW CONDUIT BETWEEN PULL BOXES SHALL BE 3" UNLESS SHOWN OTHERWISE ON THE PLANS. ALL CONDUIT SHALL BE SCHEDULE 40 P.V.C. (SEE SPECIAL PROVISIONS).
5. UNDERGROUND SIGNAL LIGHT CONDUCTORS SHALL NOT BE SPLICED.
6. CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDELINE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS REQUIRED FOR THE INTENDED OPERATION.
7. THE EXCAVATOR MUST TAKE ALL STEPS NECESSARY TO AVOID CONTACT WITH UNDERGROUND FACILITIES WHICH MAY RESULT IN INJURY TO PERSONS OR DAMAGE TO FACILITIES IN THE AREA. THE INDICATED LOCATIONS OF UNDERGROUND FACILITIES, AS PROVIDED, ARE BELIEVED TO BE ACCURATE, HOWEVER, THE FINAL DETERMINATION OF EXACT LOCATIONS AND THE COST OF REPAIR TO DAMAGED FACILITIES IS THE RESPONSIBILITY OF THE EXCAVATOR.



SCALE: 1"=20'

AGA Job No.: 113-026
AGA File Name: AGA_LAKUTS
Print Date: 5/28/2021
Last Revision: 5/28/2021

NOTE: THIS PLAN IS ACCURATE FOR ELECTRICAL WORK ONLY

Underground Service Alert

Call: TOLL FREE
1-800-422-4133

TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'VD

REFERENCES

SAGA Engineers, Inc.
TRANSPORTATION CONSULTING ENGINEERS
211 Imperial Highway, Suite 206 Fullerton, CA 92835
(714) 992-4562
agsengineersinc.com

APPROVED
CITY ENGINEER:
THOMAS M. HERBEL, P.E.
R.C.E. NO.: 53300
EXP. DATE: 6/30/21

DRAWN BY: R.P.
DESIGNED BY: R.P.
CHECKED BY: W.F.J.



PREPARED UNDER THE SUPERVISION OF:
RUBEN PERALES
R.C.E. NO.: 83169
EXP. DATE: 3/31/21

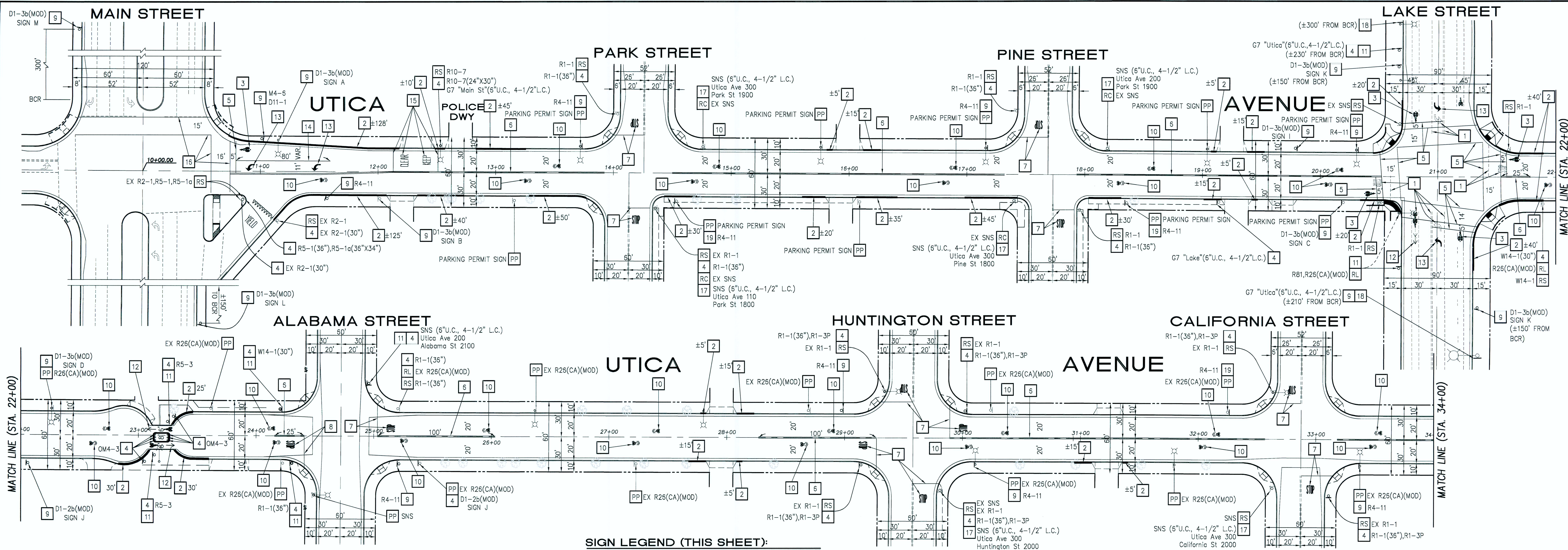
REVIEWED BY: [Signature]
TRANSPORTATION ENGINEERING

CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

TRAFFIC SIGNAL PLAN
UTICA AVENUE
AND
LAKE STREET

SHEET NO.

5
OF
7

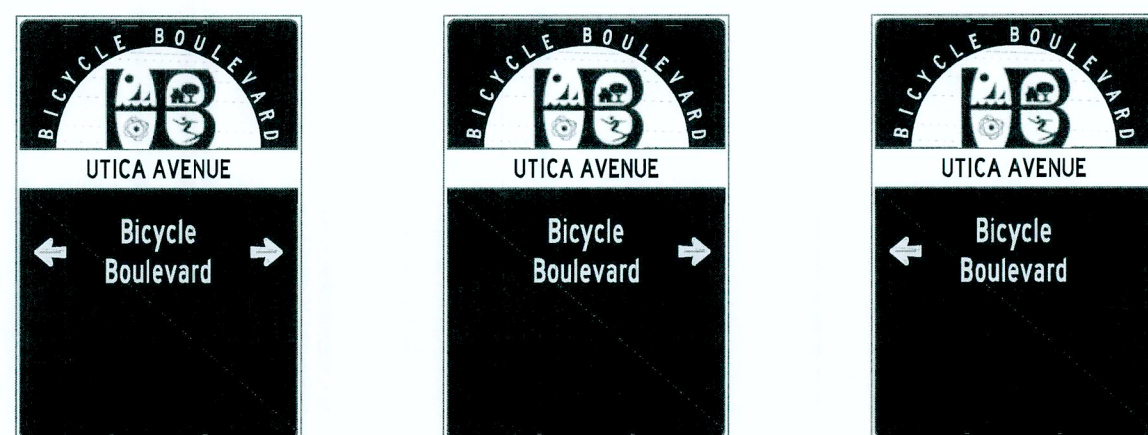


SIGN LEGEND (THIS SHEET):

SIGN A: D1-3b(MOD) SIGN B: D1-3b(MOD) SIGN C: D1-4b(MOD) SIGN D: D1-5b(MOD) SIGN I: D1-3b(MOD) SIGN J: D1-2b(MOD)



SIGN K: D1-2b(MOD) SIGN L: D1-2b(MOD) SIGN M: D1-2b(MOD)



CONSTRUCTION NOTES (THIS SHEET):

1. REMOVE CONFLICTING STRIPING BY WET SANDBLASTING.
2. PAINT/REPAINT RED CURB (±900 L.F. TOTAL).
3. INSTALL THERMOPLASTIC BICYCLE LOOP DETECTOR SYMBOL. SEE THE CALIFORNIA MUTCD 2014 EDITION, 9C-7 (5 EA. TOTAL).
4. FURNISH AND INSTALL NEW SIGN(S). RELOCATE/REPLACE EXISTING POST IF NECESSARY TO PROVIDE LATERAL CLEARANCE FROM CURB FACE AND VERTICAL CLEARANCE PER CITY STD. PLAN 401.
5. INSTALL THERMOPLASTIC 12" WHITE CROSSWALK OR LIMIT LINE PER CITY STD. PLAN 408, SEE DETAIL "B" (±600 L.F. TOTAL).
6. INSTALL THERMOPLASTIC 4" DOUBLE YELLOW SOLID STRIPE PER CALTRANS STD. PLAN A20A, DETAIL 22 (±1,435 L.F. TOTAL).
7. REMOVE EXISTING STOP BAR AND LEGEND BY WET SANDBLASTING. INSTALL NEW THERMOPLASTIC STOP BAR AND LEGEND PER CITY STD. 408 (SEE DETAIL "C").
8. INSTALL NEW THERMOPLASTIC STOP BAR AND LEGEND PER CITY STD. 408 (SEE DETAIL "C").
9. FURNISH AND INSTALL NEW SIGN(S) ON NEW POST OR EXISTING STREET LIGHT AS SHOWN. GENERAL SIGN INFORMATION IS SHOWN IN THE SIGN LEGEND AND DETAILED LAYOUTS ARE PROVIDED IN THE SPECIFICATIONS. PROVIDE LATERAL CLEARANCE FROM CURB FACE AND VERTICAL CLEARANCE PER CITY STD. PLAN 401.
10. INSTALL THERMOPLASTIC SHARED LANE MARKING PER FIGURE 9C-9 OF THE CA MUTCD. SEE DETAIL "D" FOR PLACEMENT (28 EA. TOTAL).
11. FURNISH AND INSTALL NEW POST.
12. INSTALL THERMOPLASTIC BIKE LEGEND PER CITY STD. PLAN 409 (3 EA. TOTAL).
13. INSTALL THERMOPLASTIC "ARROW" LEGEND TYPE IV(L) PER CITY STD. PLAN 407 (4 EA. TOTAL).
14. INSTALL THERMOPLASTIC 8" WHITE STRIPE, DETAIL 38 (±80 L.F. TOTAL)
15. REFRESH EXISTING 8" WHITE LIMIT LINE AND "KEEP CLEAR" LEGEND WITH THERMOPLASTIC.
16. INSTALL THERMOPLASTIC 12" YELLOW CROSSWALK PER CITY STD. PLAN 406, SEE DETAIL "B" (±330 L.F. TOTAL).
17. FURNISH AND INSTALL NEW STREET NAME SIGNS. STREET NAME SIGNS FOR UTICA AVENUE TO BE BIKE BOULEVARD SPECIFIC (SEE SPECIFICATIONS FOR DETAILS) AND SIDE STREET NAME SIGNS SHALL HAVE A BLUE BACKGROUND AND LETTERING IN ACCORDANCE WITH THE CA MUTCD AND THE SPECIFICATIONS. RELOCATE/REPLACE EXISTING POST IF NECESSARY TO PROVIDE LATERAL CLEARANCE FROM CURB FACE AND VERTICAL CLEARANCE PER CITY STD. PLAN 401.
18. REMOVE EXISTING W11-12 SIGN AND "300 FEET AHEAD" SIGN. FURNISH AND INSTALL NEW W3-3 ON EXISTING STREET LIGHT.

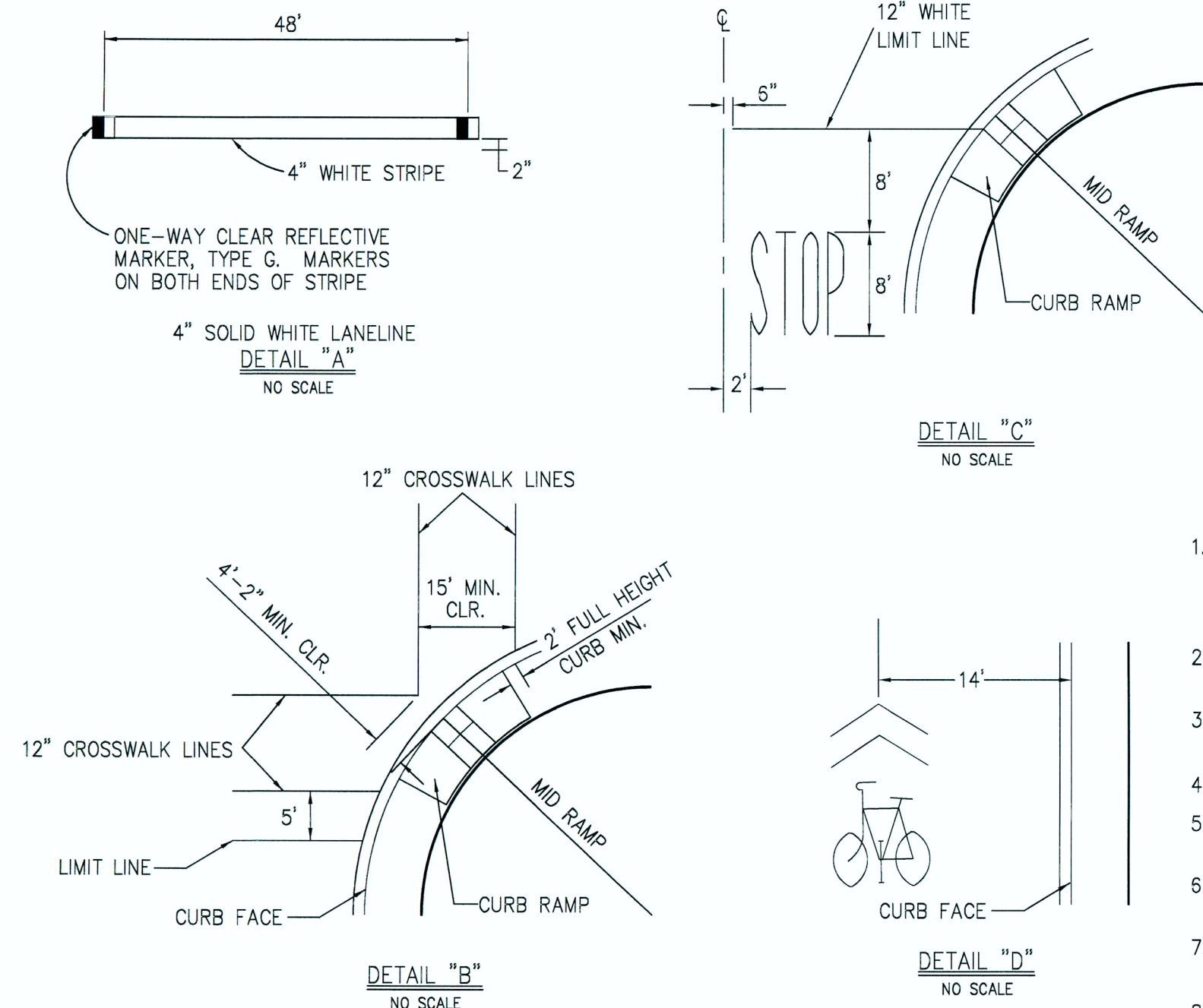
NOTE: THIS PLAN IS ACCURATE FOR SIGNING AND STRIPING ONLY

SCALE: 1"=40'

AGA Job No.: 113-026
AGA File Name: AGA_LAKUTI_ST
Print Date: 5/28/2021
Last Revision: 5/28/2021

GENERAL NOTES:

1. SIGNING AND STRIPING SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CALIFORNIA MUTCD), 2014 EDITION, CALTRANS STANDARD PLANS AND SPECIFICATIONS, LATEST EDITION, THE CITY OF HUNTINGTON BEACH STANDARD PLANS, LATEST REVISIONS THEREOF, AND AS SHOWN HEREON AND IN THE SPECIAL PROVISIONS.
2. SIGNING SHALL CONFORM TO THE CURRENT CALTRANS SIGN SPECIFICATIONS. SIGN SIZE SHALL BE THE STANDARD SIZE NOTED IN THE SPECIFICATIONS UNLESS NOTED OTHERWISE ON THE PLAN.
3. ALL EXISTING SIGNS SHALL BE REPLACED WITH NEW SIGNS UNLESS OTHERWISE NOTED ON PLAN TO BE PROTECTED IN PLACE AS "PP". DELIVER ALL REMOVED AND SALVAGED SIGNS TO CITY YARD.
4. STRIPING DETAILS SHALL BE COMBINED AS NOTED.
5. SANDBLAST CONFLICTING EXISTING STRIPING. REMOVE RAISED-PAVEMENT MARKERS WHERE NECESSARY. THERMOPLASTIC MARKINGS SHALL BE REMOVED BY GRINDING.
6. INSTALL TWO-WAY RETROREFLECTIVE RAISED PAVEMENT MARKER AT FIRE HYDRANT LOCATIONS PER FIGURE 3B-102 OF THE 2014 CA MUTCD.
7. ALL SIGNS SHALL BE INSTALLED PER CITY STANDARD PLAN 401 AND HAVE 3M 1150 GRAFFITI OVERLAY FILM.
8. SIGN LAYOUTS SHALL BE SUBMITTED TO THE CITY FOR G7, G8, D3-2(MODIFIED) AND STREET NAME SIGNS FOR REVIEW AND APPROVAL PRIOR FABRICATION AND INSTALLATION. SIGN CHANNELS SHALL BE A MINIMUM 12" IN LENGTH.
9. NEW HARDWARE AND BANDS SHALL BE FURNISHED AND INSTALLED WITH ALL NEW, REPLACED, OR RELOCATED SIGNS. ALL NEW STREET NAME SIGN CHANNELS SHALL BE A MINIMUM OF 12" IN LENGTH.
10. THE STRIPE FOR DETAILS 1 THROUGH 35 SHALL BE 4" WIDE.



Underground Service Alert

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REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'VD

REFERENCES

AGA Engineers, Inc.
TRANSPORTATION CONSULTING ENGINEERS
211 Imperial Highway, Suite 208 Fullerton, CA 92835
(714) 992-4552
agacengineering.com

APPROVED CITY ENGINEER:
THOMAS M. HERBEL, P.E.
R.C.E. NO.: 53300
EXP. DATE: 6/30/21

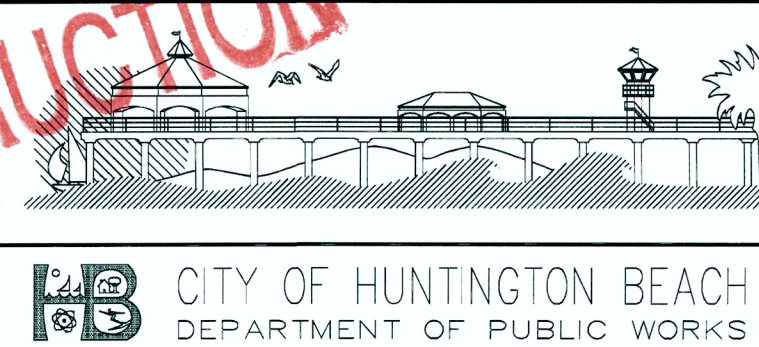
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DESIGNED BY: RP
CHECKED BY: JE



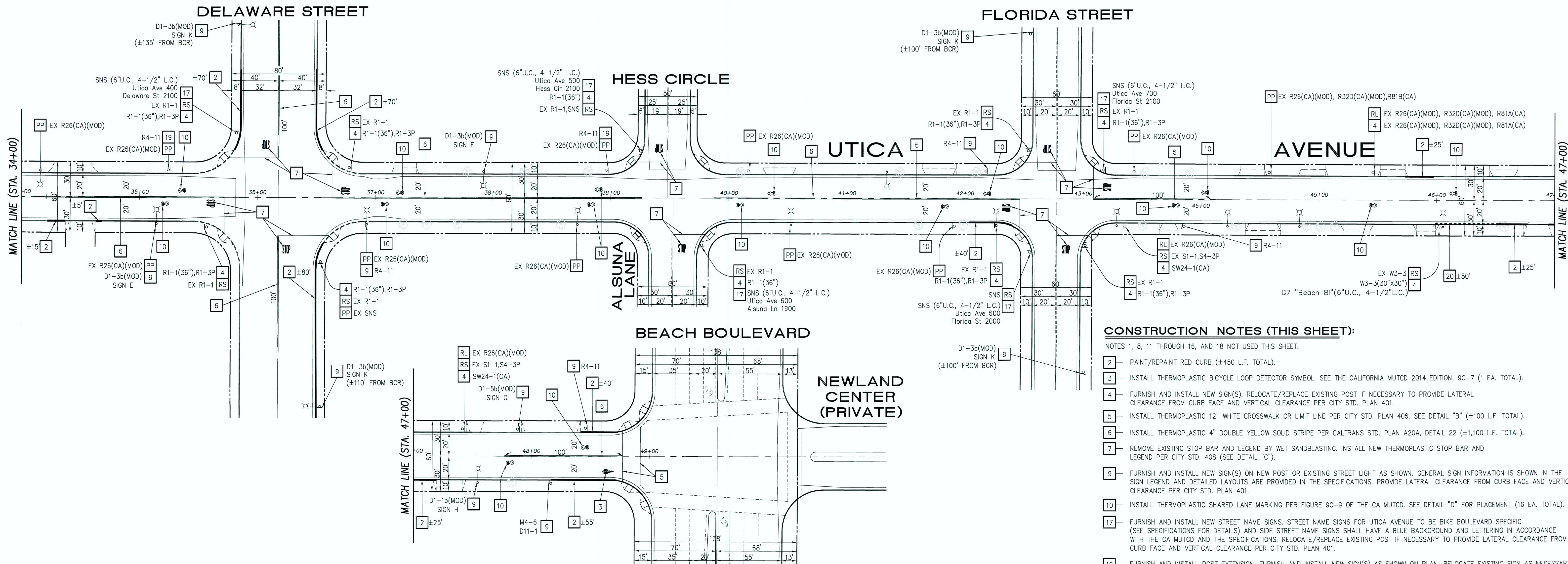
TRAFFIC No. 2838

PREPARED UNDER THE SUPERVISION OF:

RUBEN PERALES
R.C.E. NO.: 83169
EXP. DATE: 3/31/21
REVIEWED BY: [Signature]
TRANSPORTATION ENGINEERING



**SIGNING AND STRIPING PLAN
UTICA AVENUE
FROM MAIN STREET TO BEACH BOULEVARD
STA. 10+00 TO STA. 34+00**



CONSTRUCTION NOTES (THIS SHEET):

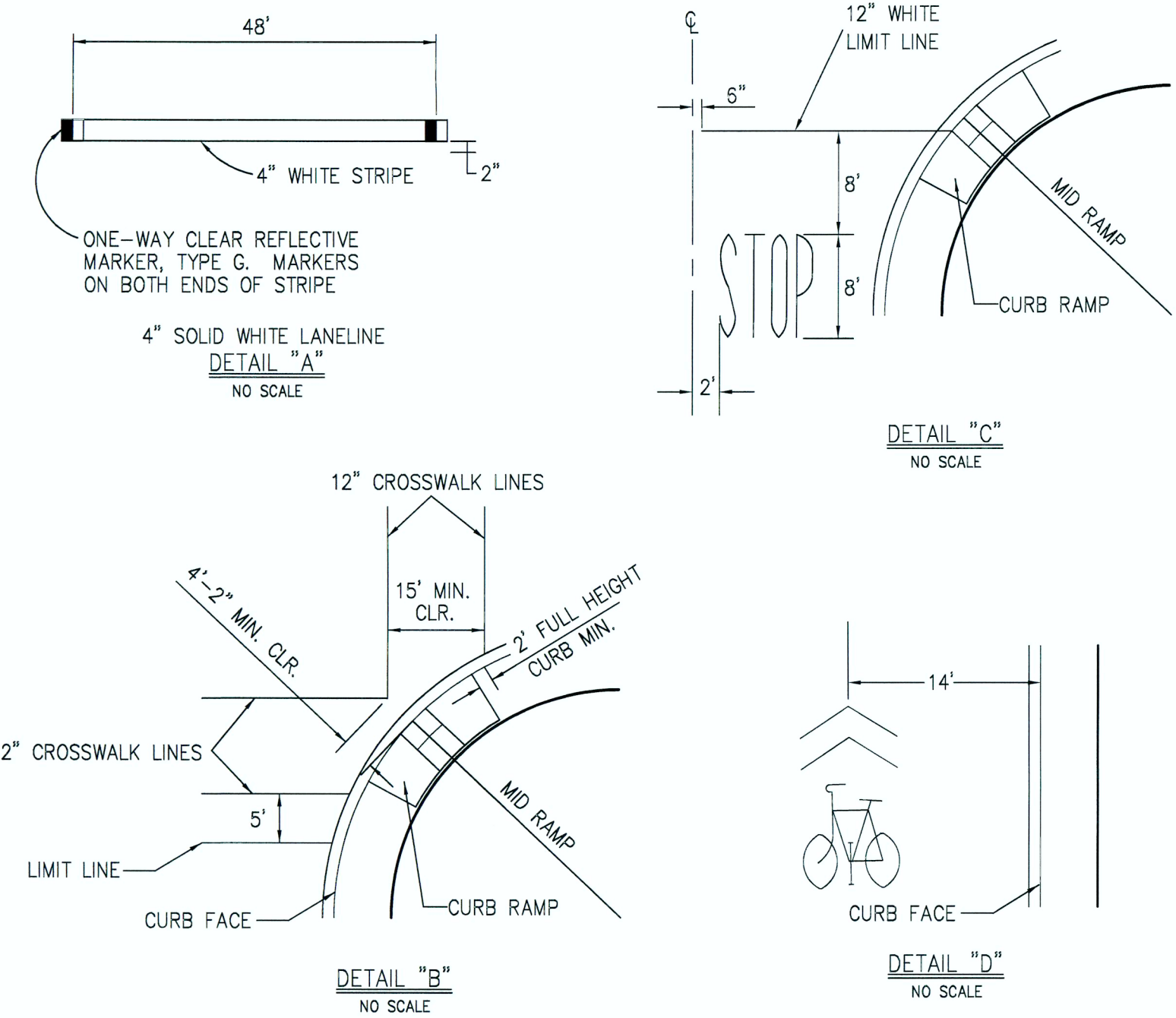
- NOTES 1, 8, 11 THROUGH 16, AND 18 NOT USED THIS SHEET.
- 2 PAINT/REPAINT RED CURB (±450 L.F. TOTAL).
 - 3 INSTALL THERMOPLASTIC BICYCLE LOOP DETECTOR SYMBOL. SEE THE CALIFORNIA MUTCD 2014 EDITION, 9C-7 (1 EA. TOTAL).
 - 4 FURNISH AND INSTALL NEW SIGN(S). RELOCATE/REPLACE EXISTING POST IF NECESSARY TO PROVIDE LATERAL CLEARANCE FROM CURB FACE AND VERTICAL CLEARANCE PER CITY STD. PLAN 401.
 - 5 INSTALL THERMOPLASTIC 12" WHITE CROSSWALK OR LIMIT LINE PER CITY STD. PLAN 406, SEE DETAIL "B" (±100 L.F. TOTAL).
 - 6 INSTALL THERMOPLASTIC 4" DOUBLE YELLOW SOLID STRIPE PER CALTRANS STD. PLAN A20A, DETAIL 22 (±1,00 L.F. TOTAL).
 - 7 REMOVE EXISTING STOP BAR AND LEGEND BY WET SANDBLASTING. INSTALL NEW THERMOPLASTIC STOP BAR AND LEGEND PER CITY STD. 408 (SEE DETAIL "C").
 - 9 FURNISH AND INSTALL NEW SIGN(S) ON NEW POST OR EXISTING STREET LIGHT AS SHOWN. GENERAL SIGN INFORMATION IS SHOWN IN THE SIGN LEGEND AND DETAILED LAYOUTS ARE PROVIDED IN THE SPECIFICATIONS. PROVIDE LATERAL CLEARANCE FROM CURB FACE AND VERTICAL CLEARANCE PER CITY STD. PLAN 401.
 - 10 INSTALL THERMOPLASTIC SHARED LANE MARKING PER FIGURE 9C-9 OF THE CA MUTCD. SEE DETAIL "D" FOR PLACEMENT (16 EA. TOTAL).
 - 17 FURNISH AND INSTALL NEW STREET NAME SIGNS. STREET NAME SIGNS FOR UTICA AVENUE TO BE BIKE BOULEVARD SPECIFIC (SEE SPECIFICATIONS FOR DETAILS) AND SIDE STREET NAME SIGNS SHALL HAVE A BLUE BACKGROUND AND LETTERING IN ACCORDANCE WITH THE CA MUTCD AND THE SPECIFICATIONS. RELOCATE/REPLACE EXISTING POST IF NECESSARY TO PROVIDE LATERAL CLEARANCE FROM CURB FACE AND VERTICAL CLEARANCE PER CITY STD. PLAN 401.
 - 19 FURNISH AND INSTALL POST EXTENSION. FURNISH AND INSTALL NEW SIGN(S) AS SHOWN ON PLAN. RELOCATE EXISTING SIGN AS NECESSARY TO PROVIDE VERTICAL CLEARANCE.
 - 20 PAINT GREEN CURB (±50 L.F. TOTAL).

SIGN LEGEND (THIS SHEET):



GENERAL NOTES:

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SAGA Engineers, Inc.
TRANSPORTATION CONSULTING ENGINEERS
211 Imperial Highway, Suite 208 Fullerton, CA 92835
(714) 962-4592
agacengineering.com



TRAFFIC No. 2838

NOTE: THIS PLAN IS ACCURATE FOR SIGNING AND STRIPING ONLY

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REVISIONS				
REV.	DATE	BY	DESCRIPTION	APP'D

REFERENCES	

APPROVED CITY ENGINEER:	THOMAS M. HERBEL, P.E.	DATE: 12/20/2016
R.C.E. NO.: 83500	EXP. DATE: 6/30/21	
DRAWN BY: JE	12/20/2016	
DESIGNED BY: JE/RP	12/20/2016	
CHECKED BY: RP	12/20/2016	

PREPARED UNDER THE SUPERVISION OF:	RUBEN PERALES	DATE: 3/31/21
R.C.E. NO.: 83169	EXP. DATE: 3/31/21	
REVIEWED BY: TRANSPORTATION ENGINEERING		

CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

SIGNING AND STRIPING PLAN
UTICA AVENUE
FROM MAIN STREET TO BEACH BOULEVARD
STA. 10+00 TO STA. 34+00

SHEET NO.	7
OF	7