

AGREEMENT

THIS AGREEMENT, (Agreement), dated this 15th day of September, 2020, is made and entered into by and between the City of Huntington Beach, a municipal corporation, hereinafter referred to as "**HUNTINGTON BEACH**" and the City of FOUNTAIN VALLEY, a municipal corporation, hereinafter referred to as "**FOUNTAIN VALLEY**".

WITNESS ETH:

WHEREAS, **HUNTINGTON BEACH** is contemplating the rehabilitation of the pavement surface of that portion of Brookhurst Street from Yorktown Avenue to Garfield Avenue and Newland Street from Ellis Avenue to Talbert Avenue located in the City of Huntington Beach, (hereinafter the "**HUNTINGTON BEACH PORTION**"); and,

WHEREAS, there is a portion of Brookhurst Street and Newland Street located within the boundaries of **FOUNTAIN VALLEY** (hereinafter "**FV PORTION**"); and

WHEREAS, **FOUNTAIN VALLEY** desires to have **HUNTINGTON BEACH** rehabilitate the **FV PORTION** of Garfield Avenue in conjunction with the **HUNTINGTON BEACH PORTION**, collectively the "**PROJECT**", and **HUNTINGTON BEACH** is willing to do so. The exact location of the FV PORTION is described in detail in the document attached hereto as Exhibit A, incorporated by this reference.

NOW, THEREFORE, in consideration of the following promises, covenants, and conditions, the parties hereto do agree as follows:

1. **DUTIES OF HUNTINGTON BEACH**

- a. Upon commencement of the **PROJECT**, **HUNTINGTON BEACH** shall include the **FV PORTION** as a part of **HUNTINGTON BEACH's** public works pavement rehabilitation project, prepare the request for bids, hire the lowest responsible bidder (the "Successful Contractor"), and oversee and administer the **PROJECT** in the **FV PORTION** in the same manner and to the same extent as the **HUNTINGTON BEACH PORTION**. **HUNTINGTON BEACH** shall in no event be liable to **FOUNTAIN VALLEY** based upon the process or result of the request for bids and/or selection of the Successful Contractor, and **FOUNTAIN VALLEY** hereby agrees not to contest or interfere with **HUNTINGTON BEACH's** performance of the bidding process nor its selection of the Successful Contractor. If **HUNTINGTON BEACH**, in its sole discretion, determines not to proceed with the **PROJECT** at any time prior to commencement of actual work, this Agreement shall terminate with no further action required by either party.

- b. At least thirty (30) calendar days prior to release of the Notice Inviting Bids for the **PROJECT, HUNTINGTON BEACH's** City Engineer shall provide **FOUNTAIN VALLEY's** City Engineer a copy of the **PROJECT's** plans and specifications for his approval, which approval shall not be unreasonably withheld. If **FOUNTAIN VALLEY's** City Engineer objects to the plans and specifications, and if his objections cannot be satisfied through discussions with **HUNTINGTON BEACH's** City Engineer, the **FV PORTION** shall not be included in the **PROJECT; HUNTINGTON BEACH** shall proceed with the **HUNTINGTON BEACH PORTION** only; this Agreement shall automatically terminate; and, neither party shall have any liability or obligation to the other.
- c. **HUNTINGTON BEACH** agrees that it shall not permit nor cause any Hazardous Materials to be brought upon, kept, used, stored, generated or disposed of in, or, or about the **FV PORTION**. "Hazardous Materials" shall mean any material that, because of its quantity, concentration, or physical or chemical characteristics, or any combination thereof, is deemed by an federal, state, or local governmental authority to pose a present or potential hazard to human health or safety or to the environment. Notwithstanding the foregoing, both parties hereby acknowledge that the pavement rehabilitation work contemplated by this Agreement may inherently require the use of Hazardous Materials on the **FV PORTION** as well as the **HUNTINGTON BEACH PORTION**, and no liability shall inure to **HUNTINGTON BEACH** by the appropriate usage of such necessary Hazardous Materials in its performance of the **PROJECT**.

2. DUTIES OF FOUNTAIN VALLEY

- a. **FOUNTAIN VALLEY** shall pay **HUNTINGTON BEACH** for the actual cost of the work on the **FV PORTION** based upon the unit prices set forth in the bid of the Successful Contractor and quantities actually used on the **FV PORTION**. The estimated cost of the **FV PORTION**, including a ten percent (10%) contingency, is Two Hundred and Nine Thousand, and Six Dollars and 00/100 (\$209,006.00). **FOUNTAIN VALLEY** shall pay **HUNTINGTON BEACH** an amount equal to fifty percent (50%) of the estimated cost of the **FV PORTION** ("Initial Payment"), based upon unit prices set forth in the Successful Contractor's bid. **FOUNTAIN VALLEY** shall pay the Initial Payment within fifteen (15) calendar days after the commencement of construction. **FOUNTAIN VALLEY** shall pay **HUNTINGTON BEACH** the remaining balance due for the **FV PORTION** upon official final approval of the work by **HUNTINGTON BEACH**.
- b. **FOUNTAIN VALLEY** agrees that any permits required by the Successful Contractor for the work to be performed on the **FV PORTION** shall be issued to the Successful Contractor at no cost to **HUNTINGTON BEACH** or the Successful Contractor.

- c. **FOUNTAIN VALLEY** shall provide its own inspection services for the **FV PORTION** of the work at its own cost, and such inspections shall be conducted on the same basis and according to the same standards as are used on projects of a similar size, scope and nature in **FOUNTAIN VALLEY**.
- d. **FOUNTAIN VALLEY** agrees to fully cooperate with **HUNTINGTON BEACH** and the Successful Contractor in the prosecution of the work, traffic control, and any other matters required for completion of the **PROJECT** in the **FV PORTION**.
- e. **FOUNTAIN VALLEY** acknowledges that **HUNTINGTON BEACH** is not the contractor for the **PROJECT** and that **HUNTINGTON BEACH** does not warrant any work performed by the Successful Contractor. Notwithstanding the above, **HUNTINGTON BEACH** shall require the Successful Contractor to provide **FOUNTAIN VALLEY** with any and all warranties, insurance coverage, and indemnities and any other rights the Successful Contractor agrees to provide to **HUNTINGTON BEACH** under the construction contract and as provided by law.
- f. In addition to the above, **FOUNTAIN VALLEY** also agrees to pay **HUNTINGTON BEACH** for all costs associated with any change orders pertaining to the **FV PORTION**, provided the change orders have been previously approved in writing by **FOUNTAIN VALLEY's** City Engineer.

3. **ENTIRE AGREEMENT**

This writing constitutes the entire agreement between the parties with respect to the subject matter hereof, and supersedes all oral or written representations or written agreements that may have been entered into between the parties. No modifications or revisions shall be of any force or effect, unless the same is in writing and executed by the parties hereto.

4. **ASSIGNMENT**

Neither **FOUNTAIN VALLEY** nor **HUNTINGTON BEACH** may assign or transfer its rights or obligations under this Agreement, or any part thereof, without the written consent of the other party.

5. **GOVERNING LAW**

This Agreement shall be governed by the laws of the State of California. If any portion of this Agreement is held invalid under any applicable statute or rule of law, then such portion only shall be deemed invalid.

6. **NO WAIVER**

No waiver or failure to exercise any right, option, or privilege under the terms of this Agreement on any occasion shall be construed to be a waiver of any other right, option, or privilege on any other occasion.

7. **NO THIRD PARTY RIGHTS**

The parties do not intend to create rights in, or to grant remedies to, any third party as a beneficiary of this Agreement or of any duty, covenant, obligation, or undertaking established herein.

8. **NOTICES**

Notices and communication concerning this Agreement shall be sent to the following addresses:

HUNTINGTON BEACH

City of Huntington Beach
Attention: Public Works Director
2000 Main Street
Huntington Beach, CA 92648

FOUNTAIN VALLEY

City of FOUNTAIN VALLEY
Attention: Public Works Director
10200 Slater Avenue
FOUNTAIN VALLEY, CA 92708-4736

Either party may, by notice to the other party, change the address specified above. Service of notice or communication shall be complete, if personally served, when received at the designated address, for five (5) calendar days after deposit of said notice or communication in the United States mail.

9. **EFFECTIVE DATE**

The effective date of this Agreement shall be the latest date of execution hereinafter set forth opposite the names of the signatures hereto.

10. **INDEMNIFICATION**

Except for claims arising out of the sole active negligence of ***FOUNTAIN VALLEY***, its officers, employees, or agents, ***HUNTINGTON BEACH*** hereby agrees to indemnify, defend and hold harmless ***FOUNTAIN VALLEY*** and its elected and appointed officials, officers, agents and employees from any and all claims, liabilities, expenses or damages of any nature, including attorneys' fees, for injury to or death of, any person, and for injury to any property, including consequential damages of any nature resulting therefrom, arising out of or in any way connected with ***HUNTINGTON BEACH'S*** performance of this Agreement. Except for claims arising out of the sole active negligence of ***HUNTINGTON BEACH***, its officers, employees, or agents, ***FOUNTAIN VALLEY*** hereby agrees to

indemnify, defend, and hold harmless **HUNTINGTON BEACH**, and its elected and appointed officials, officers, agents and employees from any and all claims, liabilities, expenses or damages of any nature, including attorneys' fees, for injury to or death of, any person, and for injury to any property, including consequential damages of any nature resulting therefrom, arising out of or in any way connected with **FOUNTAIN VALLEY'S** performance of this Agreement.

11. **SEVERABILITY**

If any term, provision, covenant, or condition set forth in this Agreement is held by the final judgment of a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions, covenants and conditions shall continue in full force and effect to the extent that the basic intent of the parties as expressed herein can be accomplished. In addition, in such event the parties shall cooperate in good faith in an effort to amend or modify this Agreement in a manner such that the purpose of the invalidated or voided provision, covenant, and condition can be accomplished to the maximum extent legally permissible; provided, however, that in no event shall any party be required to agree to an amendment or modification of this Agreement that materially adversely impacts its rights or materially increases its obligations or risks as set forth herein.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed on the dates hereinafter respectively set forth.

CITY OF HUNTINGTON BEACH,
a municipal corporation

By: 

Director of Public Works

APPROVED AS TO FORM:



 Michael Gates, City Attorney

DATE OF EXECUTION:


8/28/2020

CITY OF FOUNTAIN VALLEY,
a municipal corporation

By: 

Mayor

ATTEST:



FOUNTAIN VALLEY City Clerk

APPROVED AS TO FORM:



FOUNTAIN VALLEY City Attorney

DATE OF EXECUTION:

10-7-2020

CITY OF HUNTINGTON BEACH

DEPARTMENT OF PUBLIC WORKS

ARTERIAL REHABILITATION

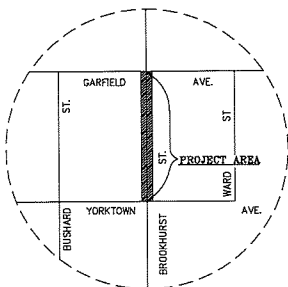
BROOKHURST ST. FROM YORKTOWN AVE. TO GARFIELD AVE.
NEWLAND ST. FROM ELLIS AVE. TO TALBERT AVE.
GARFIELD AVE. FROM MAIN ST. TO DELAWARE ST.
ATLANTA AVE. FROM DELAWARE ST. TO BEACH BLVD.

C.C. No. 1595

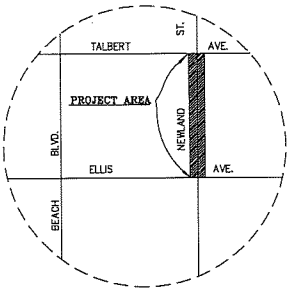
APPROVED: SEAN CRUMBY, P.E.
DIRECTOR OF PUBLIC WORKS

DATE

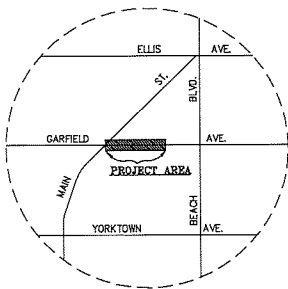
SHEET INDEX		
SHEET NO.	DESCRIPTION	STATIONING
1	TITLE SHEET	
2	GENERAL NOTES, CONSTRUCTION NOTES, AND NPOES NOTES	
3-6	BROOKHURST STREET IMPROVEMENT PLAN AND DETAILS	STA. 10+53 TO 36+98
7-10	NEWLAND STREET IMPROVEMENT PLAN AND DETAILS	STA. 9+58 TO 35+89
11-12	GARFIELD AVENUE IMPROVEMENT PLAN AND DETAILS	STA. 10+80 TO 24+45
13-14	ATLANTA AVENUE IMPROVEMENT PLAN AND DETAILS	STA. 17+75 TO 29+52
1-2	BROOKHURST STREET SIGNING AND STRIPING PLAN	
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5	GARFIELD AVENUE SIGNING AND STRIPING PLAN	
6	ATLANTA AVENUE SIGNING AND STRIPING PLAN	



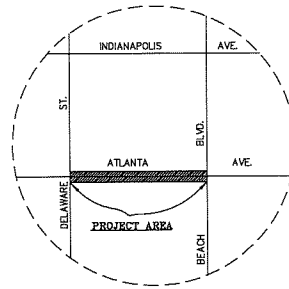
BROOKHURST LOCATION MAP
N.T.S.



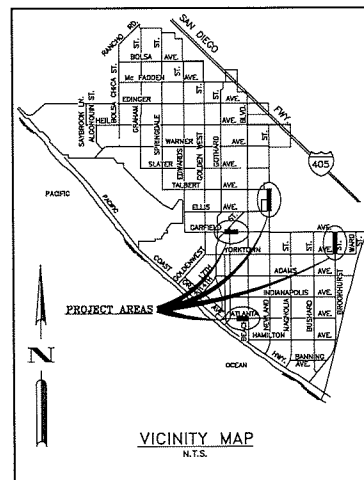
NEWLAND LOCATION MAP
N.T.S.



GARFIELD LOCATION MAP
N.T.S.



ATLANTA LOCATION MAP
N.T.S.



VICINITY MAP
N.T.S.



CC1595 - BROOKHURST - YORKTOWN TO GARFIELD.DWG

 Call: TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG	REVISIONS	REFERENCES	CITY ENGINEER Thomas M. Herbol, P.E. S.C.E. NO.: C53330 EXP. DATE: 06/30/21	PREPARED UNDER THE SUPERVISION OF: Gabriel Mufson-Morris, P.E. S.C.E. NO.: C52724 EXP. DATE: 09/30/21 APPROVED BY: M. Todd Brownhead, PRINCIPAL C.E. DATE S.C.E. NO.: C57144 EXP. DATE: 12/31/21	 CITY OF HUNTINGTON BEACH DEPARTMENT OF PUBLIC WORKS	TITLE SHEET ARTERIAL REHABILITATION BROOKHURST, NEWLAND, GARFIELD, AND ATLANTA	SHEET NO. 1 OF 14
	REV. DATE BY DESCRIPTION APP'Y'S			DRAWN BY: MD 8/19/2020 CHECKED BY: TB 8/19/2020			

GENERAL NOTES:

- THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE BASED ON A SEARCH OF THE AVAILABLE RECORDS. UTILITY SURFACE FEATURES ARE BASED ON FIELD OBSERVATION. THE CONTRACTOR SHALL TAKE DUE PRECAUTIONARY MEASURES TO PROTECT ALL UTILITY LINES, SHOWN OR NOT SHOWN ON THESE PLANS.
- PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR MUST COMPLETE AND SUBMIT TO THE AGENCY THE UNDERGROUND SERVICE ALERT IDENTIFICATION FORM WHICH HAS BEEN PROVIDED IN THE PROJECT SPECIFICATIONS.
- ALL WORK SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE AGENCY'S STANDARD PLANS, PROJECT PLANS, SPECIFICATIONS, AND CONTRACT DOCUMENTS. THE CONTRACTOR SHALL KEEP A COPY OF THIS INFORMATION ON A JOB SITE.
- A PRE-CONSTRUCTION MEETING SHALL BE HELD A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCING OF WORK.
- THE CONTRACTOR SHALL NOTIFY THE AGENCY'S CONSTRUCTION MANAGER, JOE DALE, @ (714) 536-5915, A MINIMUM OF 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AND 48 HOURS IN ADVANCE FOR PROJECT INSPECTION AND SURVEY SERVICES. SURVEY STAKING SHALL BE PROVIDED BY THE AGENCY.
- PROJECT STATIONING REFERS TO THE CENTERLINE OF STREET.
- STOCKPILING OF REMOVAL MATERIAL WILL NOT BE ALLOWED IN OR AROUND THE PROJECT SITE.
- DOORING NOTIFICATION OF RESIDENTS AND BUSINESS DIRECTLY AFFECTED BY CONSTRUCTION AND THE POSTING OF "NO PARKING" NOTIFICATION SIGNS SHALL OCCUR A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
- PUBLIC AND/OR PRIVATE IMPROVEMENTS TO BE PROTECTED IN PLACE ARE NOT LIMITED TO THOSE SPECIFICALLY CALLED OUT ON THE PLANS. ALL EXISTING IMPROVEMENTS WHICH ARE NOT IDENTIFIED FOR REMOVAL AND/OR RECONSTRUCTION ON THE PLANS AND/OR SPECIFICATIONS SHALL BE PROTECTED IN PLACE AT THE CONTRACTOR'S EXPENSE PER SECTION 400-1 OF THE SPECIFICATIONS.
- PRIOR TO THE END OF EACH WORKING DAY, THE CONTRACTOR SHALL CONSTRUCT THE A.C. BASE COURSE SECTION REQUIRED WITHIN EACH AREA OF PAVEMENT EXCAVATION DURING THAT WORKING DAY, UNLESS OTHERWISE PERMITTED BY THE CITY ENGINEER. TRAVEL LANES SHALL BE OPENED TO TRAFFIC AT THE END OF EACH WORKING DAY FOR THE PROJECT SPECIFICATIONS.

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 THROUGHOUT THE ENTIRETY OF THE PROJECT 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. STOCKPILES OF SOIL SHALL BE NO MORE THAN 5 FEET IN HEIGHT AND SHALL BE COMPLETELY COVERED WITH A SECURE IMPERMEABLE COVER AT THE END OF EACH WORKING DAY. ALL STOCKPILES SHALL BE LOCATED AWAY FROM PLANS AND/OR SPECIFICATIONS 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 PERMANENTLY TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, AND ADJACENT 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 INTO THE GROUND AND RUNOFF INTO STREETS. DRAINAGE FACILITIES AND RECEIVING WATERS. ALL CONCRETE SLURRY FROM SAW-CUTTING IS TO BE RECOVERED IMMEDIATELY AND NOT ALLOWED TO DRY OUT RESIDUE/STAIN. ALL SAW-CUTTING ACTIVITIES SHALL BE CONDUCTED BY A TWO-PERSON TEAM WITH ONE PERSON CUTTING AND THE SECOND VACUATING THE SLURRY. CONCURRENTLY, ALL CATCH BASINS/STORM DRAIN INLETS WITHIN 100-FT DOWNSTREAM OF WORKING AREA MUST BE PROTECTED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES AND FILTER FABRIC IS TO BE REMOVED IF GREATER THAN 40% CHANGE OF RAIN IS PREDICTED.
- 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 WORKING 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, WRITES 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, SOIL 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 FLUIDS; OR BATTERY FLUIDS; CONCRETE, AND RELATED CUTTING OR CURING RESIDUES; FLOATABLE WASTES; WASTES FROM ENGINE / EQUIPMENT OIL 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 SOIL VIA SURFACE EROSION IS ALSO PROHIBITED. DISCHARGING NON-CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING ACTIVITIES REQUIRES A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
- DISCHARGES OF STORM WATER FROM CONSTRUCTION SITES SHALL NOT BE LOADED 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.

BASIS OF BEARING:

BROOKHURST:

VERTICAL CONTROL:

FIELD ELEV = 18.95', NAVD 88 DATUM, 2005 LEVEL YEAR ON OCS BENCHMARK DESIGNATION "74-54-70" DESCRIBED IN OCS NOTES AS 3 3/4" ALUMINUM BENCHMARK DISK STAMPED "74-54-70" SET IN THE SOUTHEAST CORNER OF A 6 FT. BY 11 FT. CONCRETE CATCH BASIN. MONUMENT IS LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF BROOKHURST STREET AND GARFIELD AVENUE, 1 FT. NORTHERLY OF THE NORTH CURB ALONG GARFIELD AVENUE AND 85 FT. EASTERLY OF THE PROLONGATION OF THE EAST CURB ALONG BROOKHURST STREET. MONUMENT IS SET LEVEL WITH THE SIDEWALK.

HORIZONTAL CONTROL:

HELD 10+00.00 AT THE CENTERLINE INTERSECTION OF BROOKHURST STREET AND YORKTOWN AVENUE. STATIONS INCREASE NORTHERLY.

NEWLAND:

VERTICAL CONTROL:

FIELD ELEV = 18.93', NAVD 88 DATUM, 2005 LEVEL YEAR ON OCS BENCHMARK "74-235-75" DESCRIBED IN OCS NOTES AS A 3 3/4" ALUMINUM BENCHMARK DISK STAMPED "74-235-75" SET IN THE SOUTHWEST CORNER OF A 4 FT. BY 15 FT. CONCRETE CATCH BASIN. THE MONUMENT IS LOCATED IN THE NORTHEAST CORNER OF THE INTERSECTION OF NEWLAND STREET AND ELLIS AVE, 35 FEET EASTERLY OF THE CENTERLINE OF NEWLAND STREET AND 67 FEET NORTHERLY OF THE CENTERLINE OF ELLIS AVE. MONUMENT IS SET LEVEL WITH THE SIDEWALK.

HORIZONTAL CONTROL:

HELD 10+00.00 AT THE CENTERLINE INTERSECTION OF NEWLAND STREET AND ELLIS AVENUE. STATIONS INCREASE NORTHERLY.

GARFIELD:

VERTICAL CONTROL:

FIELD ELEV = 18.98', NAVD 88 DATUM, 2005 LEVEL YEAR ON OCS BENCHMARK "74-271-89" DESCRIBED IN OCS NOTES AS A 3 3/4" ALUMINUM BENCHMARK DISK STAMPED "74-271-89" SET IN THE NORTHWEST CORNER OF A 4 FT. BY 15 FT. CONCRETE CATCH BASIN. THE MONUMENT IS LOCATED IN THE SOUTHEAST PORTION OF THE INTERSECTION OF PROMENADE PARKWAY AND SEA GATE DRIVE, 22 FT. SOUTHERLY OF THE CENTERLINE OF PROMENADE PARKWAY, 73 FT. EASTERLY OF THE CENTERLINE OF SEA GATE DRIVE. MONUMENT IS SET LEVEL WITH THE SIDEWALK.

HORIZONTAL CONTROL:

HELD 10+00.00 AT THE CENTERLINE INTERSECTION OF MAIN STREET SOUTH AND GARFIELD. STATIONS INCREASE EASTERLY.

ATLANTA:

VERTICAL CONTROL:

FIELD ELEV = 34.572', NAVD 88 DATUM, 2005 LEVEL YEAR ON OCS BENCHMARK "74-266-89" DESCRIBED IN OCS NOTES AS A 3 3/4" ALUMINUM DISK STAMPED "74-266-89" LOCATED AT THE NORTHERLY PORTION OF THE INTERSECTION OF LAKE ST AND ATLANTA AVE AND ORANGE AVE. MONUMENT IS SET IN THE SELLY CORNER OF A 4.5 FT. BY 22 FT. CATCH BASIN, 56.3' NWLY OF THE CENTERLINE PROOF OF LAKE ST AND 36.3' NELY OF THE CENTERLINE OF ORANGE AVE, 4' BEHIND CURB FACE.

HORIZONTAL CONTROL:

HELD 10+00.00 AT THE CENTERLINE INTERSECTION OF HUNTINGTON (SOUTH) AND ATLANTA AVE. STATIONS INCREASE EASTERLY.

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, DESIGN, INDICATE 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.

ABBREVIATIONS

HP = HIGH POINT	E = FLOW LINE
HYD = FIRE HYDRANT	FS = FINISHED SURFACE
CB = CATCH BASIN	RC = REINFORCED CONCRETE
EXIST. = EXISTING	BCR = BEGIN CURB RETURN
LD = LOCAL DEPRESSION	ECR = END CURB RETURN
IFOB = INSIDE FACE OF BOX	
PP = POWER POLE	
LP = LIGHT POLE	
PS = PULL BOX	
C = CENTER LINE	



CONSTRUCTION NOTES:

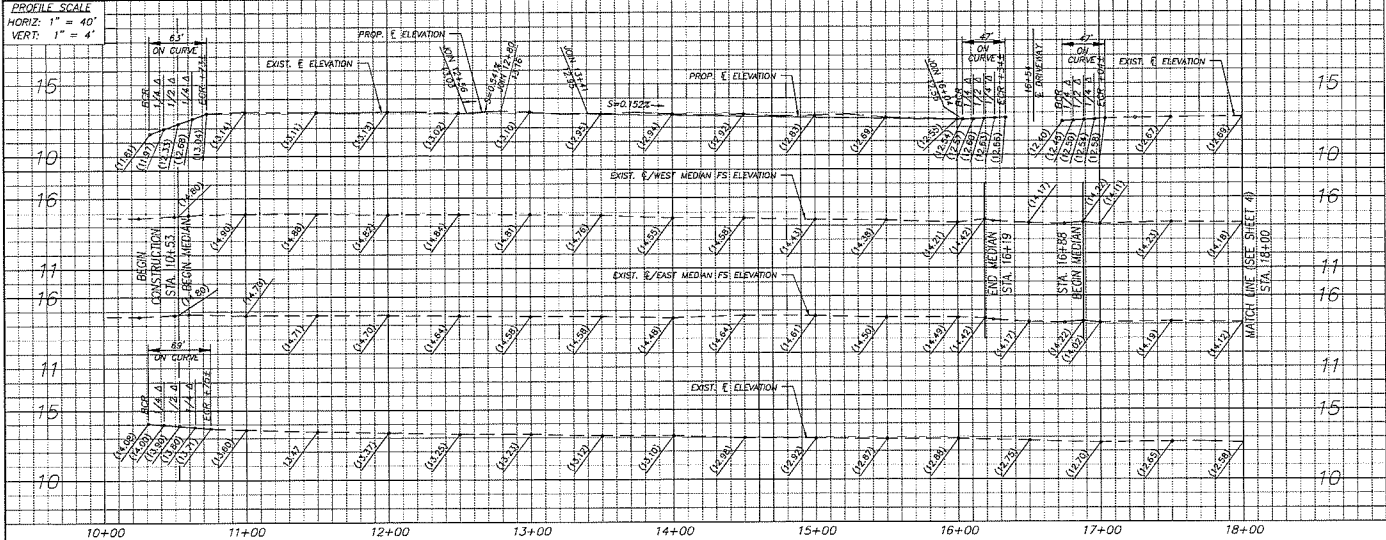
- PROTECT IN PLACE
- REMOVE TREE AND ROOTS; ORIGIN TREE STUMP AND ROOTS TO 24" BELOW TOP OF SIDEWALK/GRADE. PULL OUT ALL ROOTS WITHIN PROPOSED IMPROVEMENTS.
- FURNISH AND PLANT NEW 24" HIGH TREE PER HB STD. PLANS 714, 715, 716, 718 & 719 AS SHOWN ON PLANS. SEE PLANS FOR LOCATION AND SPECIES. (ITEM INCLUDES EXISTING LANDSCAPE AND IRRIGATION MATERIALS TO ACCOMMODATE NEW TREE. REPLACEMENT OF IRRIGATION IN KIND; BACKFILLING WITH CLASS 4 TOP SOIL AND INSTALLATION OF AEROSOL-GRASS OR APPROVED GRASS AT BASE OF NEW TREE)
- SANITARY AND REMOVE EXISTING SIDEWALK AT EXISTING TREE LOCATION AND CONSTRUCT TREE WELL WITH SIDEWALK DETAIL ON SHEET 6. (ITEM INCLUDES REMOVAL OF SIDEWALK 6" OF NEW SIDEWALK, NON-CHEMICAL WEED CONTROL BARRIER TO BE DUPONT LANDSCAPE MAX OR APPROVED EQUAL AND MULCH)
- REMOVE AND RECONSTRUCT SIDEWALK PER HB STD. PLAN 207 AND AS NOTED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-GRADING FROM WALK TO EXISTING SLOPE, RELOCATING IRRIGATION TO BACK OF NEW WALK, RETURN LANDSCAPE TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE)
- REMOVE AND RECONSTRUCT CURB AND GUTTER PER HB STD. PLAN 202 (C = 8"). (ITEM INCLUDES CMB, SLOT PAVEMENT AND LOT DRAIN)
- REMOVE AND RECONSTRUCT CURB ACCESS RAMP, DEPRESSURE CURB, AND GUTTER PER CALTRANS STD. PLAN RSP ABRA FROM BOX TO ECR. (OASE SHOWN ON PLANS) (INCLUDES ALL APPURTENANCES, CURB CUTTER, DEPRESSURE CURB, SIDEWALK, DOWNS, RETAINING CURB, CMB, SLOT PAVEMENT, AND ALL ITEMS FROM ECR TO BOX NECESSARY TO COMPLETE THE WORK IN PLACE)
- REMOVE AND RECONSTRUCT COMMERCIAL DRIVEWAY APPROACH PER HB STD. PLAN 211, MATCH EXISTING IMPROVEMENTS TO GRADE. ("Y" PER PLAN) (INCLUDES HIGH STRENGTH EARLY YIELD CONCRETE PER SPECIFICATIONS, DEPRESSURE CURB & GUTTER, ONSITE BLENDING, RETAINING CURB, SLOT PAVE, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE)
- REMOVE AND RECONSTRUCT RESIDENTIAL DRIVEWAY APPROACH PER HB STD. PLAN 209 AND NOTED TO INDICATE OF 8" WITH HIGH STRENGTH EARLY YIELD CONCRETE PER SPECIFICATIONS ("Y" PER PLAN) (ITEM INCLUDES ALL APPURTENANCES, DEPRESSURE CURB & GUTTER, ONSITE BLENDING, RETAINING CURB, SLOT PAVE, ETC.)
- REMOVE AND RECONSTRUCT DRIVEWAY PER MODIFIED COMMERCIAL DRIVEWAY DETAIL ON SHEET 6. (ITEM INCLUDES HIGH STRENGTH EARLY YIELD CONCRETE PER SPECIFICATIONS)
- REMOVE AND RECONSTRUCT CONCRETE CURB AND CROSS GUTTER PER HB STD. PLAN 205. (INCLUDES SLOT PAVEMENT, CMB, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE)
- REMOVE AND RECONSTRUCT LOCAL DEPRESSION PER HB STD. PLAN 302. (INCLUDES SLOT PAVEMENT, CMB, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE)
- REMOVE AND RECONSTRUCT CATCH BASIN APPROX TRANSITION WING, SUMP CONDITION, PER HB STD. PLANS 301 AND 302. (INCLUDES CURB, SLOT PAVEMENT, CMB, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE)
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.17' FROM EXISTING SURFACE.
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.34' FROM EXISTING SURFACE.
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.50' FROM EXISTING SURFACE.
- CONSTRUCT NEW 0.17' ASPHALT RUBBER HOT MIX ARHM-60-C-P 64-16 WET PROCESS OVERLAY.
- CONSTRUCT NEW 0.17' FIBER REINFORCED ASPHALT RUBBER HOT MIX ARHM-60-C-P 64-16 WET PROCESS OVERLAY.
- CONSTRUCT NEW 0.25' ASPHALT RUBBER HOT MIX ARHM-60-C-P 64-16 WET PROCESS OVERLAY OVER 95% COMPACTED SUBGRADE PER PLAN AND DETAIL ON SHEET 6.
- CONSTRUCT NEW 0.17' 8" P-C 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.17' TO ZERO FROM INLET POINT SHOWN ON PLANS TO GUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
- CONSTRUCT NEW 0.17' FIBER REINFORCED 8" P-C 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY PER PLAN AND DETAIL ON SHEET 6.
- CONSTRUCT NEW 0.37' 8" P-C 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.37' TO 0.17' FROM INLET POINT SHOWN ON PLANS TO GUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
- CONSTRUCT NEW 0.37' FIBER REINFORCED 8" P-C 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY PER PLAN AND DETAILS ON SHEET 6.
- CONSTRUCT NEW 0.50' 8" P-C 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.50' TO 0.17' FROM INLET POINT SHOWN ON PLANS TO GUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
- PULVERIZE AND MIX EXISTING A.C. PAVEMENT AND SUBGRADE TO A DEPTH OF 0.25'; REMOVE 0.25' OF PULVERIZED MATERIAL AND ADD WATER AS SPECIFIED IN PROJECT SPECIFICATIONS TO A DEPTH OF 0.50'; ALLOW C.T.B. SECTION TO CURE THEN MOIST-CRAK.
- REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HB STD. PLAN 812.
- FURNISH AND INSTALL COMPOSITE STORM DRAIN MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER STD. PLAN 3070.
- FURNISH AND INSTALL COMPOSITE SENIOR MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD. PLAN 3130.
- INSTALL NEW OCS MANHOLE FRAME AND COVER AND ADJUST TO GRADE PER OCS STD. PLANS 5-051, 5-054 AND 5-055. CONTRACTOR TO COORDINATE WITH OCS CONSTRUCTION INSPECTOR (SAH CHEN) AT (714) 400-4180 TO CONFORM MATERIAL, REPAIRS AND ENSURE MATERIALS AND WORK MEET OCS MANHOLE FRAME AND COVER ADJUSTMENT STANDARDS.
- ADJUST SIDE WALK MANHOLE TO GRADE BY OCS. CONTRACTOR TO COORDINATE WITH ECRK IDEN AT (714) 800-0242 OR SAN LUCY AT (714) 800-0246 (ALLOWANCE)
- ADJUST TELEPHONE VAULT, CABINET OR MANHOLE TO GRADE BY FRONTIER, CONTRACTOR TO COORDINATE WITH RAY ROUNDTRIP AT (714) 375-5760. (ALLOWANCE)
- ADJUST NATURAL GAS VALVE COVER TO GRADE BY SD CAL GAS CONTRACTOR TO COORDINATE WITH ISAC PIERCE AT (714) 534-7222. (ALLOWANCE)
- REMOVE EXISTING, FURNISH AND INSTALL NEW TRAFFIC PULL BOX PER CALTRANS STD. ES-8 & HB STD. PLAN 422 AND GRADE. PULL BOXES W/REINFORCED UPR CURB SHALL BE "CORSTY FIBERITE" OR CITY APPROVED EQUAL. SIZE PER PLAN. LOCATION IS TO BE DETERMINED BY ENGINEER. CONTRACTOR TO CONTACT GEORGE RUFF AT (714) 375-5015. (ALLOWANCE)
- INSTALL NEW DETECTOR LOOPS PER CITY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF TRAFFIC SIGNALS AND LIGHTING SYSTEMS, 2005 EDITION. SPUR LOOPS TO OLD IN PULSES. ALL LOOPS AT LIMIT LINE SHALL BE TYPE "T". ALL ONE LINE LOOPS SHALL BE 3" X 7" TYPE "T".
- INSTALL TRUNCATED DOWNS TO EXISTING CURB ACCESS RAMP PER CALTRANS STD. PLAN RSP ABRA.
- ESTABLISHED AND FOR PERPETUATED USE OF CONTROL FROM EXISTING PROVIDED RECORD INFORMATION INCLUDED IN PROJECT SPECIFICATIONS OR IN POSITION MONUMENT CURRENTLY EXISTS. AT CONCLUSION OF PROJECT MONUMENT SHALL EXIST AT CURRENT FINISHED SURFACE AND HAVE A CORNER RECORD FILED WITH THE ORANGE COUNTY SUPERVISOR'S OFFICE, WITH FILED COPY SUBMITTED TO AGENCY, PERPETUATING ITS POSITION.
- REMOVE EXISTING MONUMENT WELL WITH A BROOKS 4-11 TRAFFIC BOX OR APPROVED EQUIVALENT (COVER MARKED SURVEY OR MONUMENT), ADJUSTING TO FINAL FINISHED SURFACE.
- REPLACE EXISTING DRIVEWAY SECTION IN-KIND. (INCLUDES HIGH STRENGTH EARLY YIELD CONCRETE PER SPECIFICATIONS AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE)
- CONSTRUCT CURB ACCESS RAMP PER CALTRANS STD. PLAN RSP ABRA FROM BOX TO ECR, UNLESS NOTED OTHERWISE ON PLANS. USING HORIZONTAL CURB CUTTING MACHINE CASE SHOWN ON PLANS. (INCLUDES ALL APPURTENANCES, CURB CUTTING, SIDEWALK, DOWNS, RETAINING CURB AND ALL ITEMS FROM ECR TO BOX NECESSARY TO COMPLETE THE WORK IN PLACE)
- REMOVE ROOTS PRESENT UNDER PROPOSED SIDEWALK SECTION TO ALLOW FOR CONSTRUCTION OF NEW SIDEWALK SECTION.
- PROTECT IN PLACE CATHODIC PROTECTION TEST STATION. CALL ANY FERRONAL AT (714) 536-5291 BEFORE PROJECT COMPLETION FOR INSPECTION OF CATHODIC PROTECTION TEST STATIONS.
- DEMOLISH MEDIAN ISLAND AND CURB AS SHOWN ON PLANS (INCLUDES ALL APPURTENANCES, CURB CUTTING, RELOCATION OF CONCRETE MEDIAN SECTION, AND ALL ITEMS TO COMPLETE THE WORK).
- REMOVE NEW MEDIAN ISLAND AND CURB AS SHOWN ON PLANS. HEIGHT OF NEW MEDIAN CURB ABOVE NEW FINISHED SURFACE SHALL BE AS NOTED ON PLANS. AREAS BETWEEN NEW CURBS SHALL BE 4" THICK CONCRETE. (INCLUDES ALL ITEMS TO COMPLETE THE WORK).
- ADJUST WATER MANHOLE FRAME AND COVER TO GRADE PER HB STD. PLAN 3130.
- CONSTRUCT ON-STREET ACCESSIBLE PARKING STALL PER CALTRANS STD. PLAN RSP ABRA. (INCLUDES ALL APPURTENANCES, CURB CUTTING, DEPRESSURE CURB, SIDEWALK, DOWNS, RETAINING CURB, CMB, SLOT PAVEMENT, AND ALL ITEMS WITHIN LIMITS NECESSARY TO COMPLETE THE WORK IN PLACE)
- REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER FOUNTAIN VALLEY STD. PLAN 708.
- REMOVE AND RECONSTRUCT DRIVEWAY PER FOUNTAIN VALLEY STD. PLAN 206. ("Y" PER PLAN) (ITEM INCLUDES ALL APPURTENANCES, DEPRESSURE CURB & GUTTER, ONSITE BLENDING, RETAINING CURB, SLOT PAVE, ETC.)
- REMOVE EXISTING IRRIGATION PULL BOX AND RELOCATE TO NEW MEDIAN NOSE AT APPROXIMATELY STA. 31+34. CUT AND ABANDON EXISTING CONDUIT AND STUB UP AT NEW PULL BOX.

ARTERIAL REHABILITATION

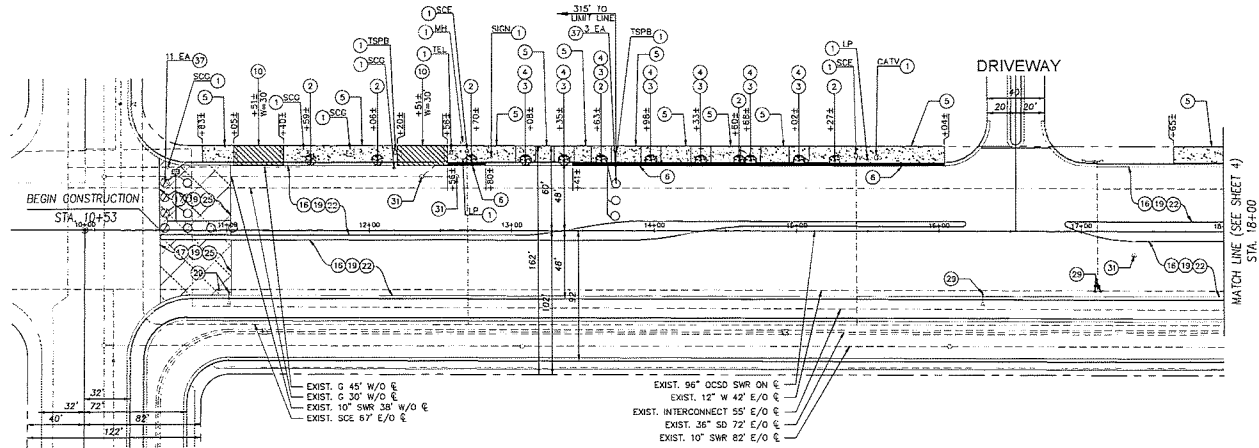
C.C. No. 1595

C15195 - BROOKHURST - YORKTOWN TO GARFIELD.DWG

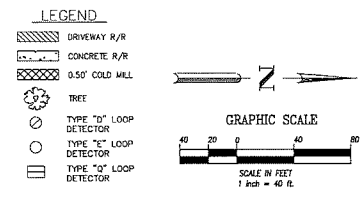
Underground Service Alert		REVISIONS		REFERENCES		PREPARED UNDER THE SUPERVISION OF: Gabriel Muñoz-Wente, P.E. R.E.C. No. C87874 EXP. DATE 06/30/21 APPROVED BY: W. Todd Brummond, PRINCIPAL C.E. DATE R.E.C. No. C87144 EXP. DATE 12/31/21		GENERAL, CONSTRUCTION, AND NPDES NOTES ARTERIAL REHABILITATION BROOKHURST, NEWLAND, GARFIELD, AND ATLANTA		SHEET NO. 2 OF 14																																																																								
 Call: TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG		<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> <th>APPROVED</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		REV.	DATE	BY	DESCRIPTION	APPROVED																																																			<table border="1"> <thead> <tr> <th>DRAWN BY:</th> <th>NO</th> <th>DATE</th> <th>CHECKED BY:</th> <th>NO</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td>6/15/2020</td> <td> </td> <td> </td> <td>6/15/2020</td> </tr> <tr> <td> </td> <td> </td> <td>6/15/2020</td> <td> </td> <td> </td> <td>6/15/2020</td> </tr> </tbody> </table>		DRAWN BY:	NO	DATE	CHECKED BY:	NO	DATE			6/15/2020			6/15/2020			6/15/2020			6/15/2020	 CITY OF HUNTINGTON BEACH DEPARTMENT OF PUBLIC WORKS		14	
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- CONSTRUCTION NOTES:**
- PROTECT IN PLACE
 - REMOVE TREE AND ROOTS: GRIND TREE STUMP AND ROOTS TO 24" BELOW TOP OF SIDEWALK/GRADE. PULL OUT ALL ROOTS WITHIN PROPOSED IMPROVEMENTS.
 - PLANTING AND PLANT NEW 24" DBH TREE PER HB STD. PLANS 714, 715, 716, 718 & 719 AS SHOWN ON PLANS. SEE PLANS FOR TREE LOCATION AND SPECIES. (ITEM INCLUDES EXISTING LANDSCAPE AND IRRIGATION REMOVAL TO ACCOMMODATE NEW TREE. REPLACEMENT OF IRRIGATION IN KIND; BACKFILLING WITH CLASS A TOP SOIL AND INSTALLATION OF ANTI-GRADE OR APPROVED EQUAL AT BASE OF NEW TREE)
 - SANITARY AND REMOVE EXISTING SIDEWALK AT EXISTING TREE LOCATION AND CONSTRUCT TREE WELL WITH SIDEWALK PER DETAIL ON SHEET 6. (ITEM INCLUDES REMOVAL OF SIDEWALK, 8" OF NEW SIDEWALK, NON-CHEMICAL WEED CONTROL BARRIERS TO BE SUPPLIED LANDSCAPE MAY OR APPROVED EQUAL AND MULCH.)
 - REMOVE AND RECONSTRUCT SIDEWALK PER HB STD. PLAN 201 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-GRADE FROM WALK TO EXISTING SLOPE, RELOCATING IRRIGATION TO BACK OF NEW WALK, RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
 - REMOVE AND RECONSTRUCT CURB AND GUTTER PER HB STD. PLAN 202 (5' = 8'). (ITEM INCLUDES CURB, SLOTTED PAVEMENT AND LOT DRAIN.)
 - REMOVE AND RECONSTRUCT DRIVEWAY PER MODIFIED COMMERCIAL DRIVEWAY DETAIL ON SHEET 6. ITEM INCLUDES HIGH STRENGTH EARLY CURED CONCRETE PER SPECIFICATIONS.
 - COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.34' FROM EXISTING SURFACE.
 - COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.50' FROM EXISTING SURFACE.
 - CONSTRUCT NEW 0.17' FIBER REINFORCED ASPHALT RUBBER HOT MIX ARHM-OG-C PG 64-16 NET PROCESS OVERLAY.
 - CONSTRUCT NEW 0.17' FIBER REINFORCED 8-PG 64-16 A.C. BASE COURSE OVER HSE COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY PER PLAN AND DETAIL ON SHEET 6.
 - CONSTRUCT NEW 0.35' FIBER REINFORCED 8-PG 64-16 A.C. BASE COURSE OVER HSE COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY PER PLAN AND DETAIL ON SHEET 6.
 - REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HB STD. PLAN 612.
 - FURNISH AND INSTALL COMPOSITE SINKER MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD. PLAN 513(S).
 - INSTALL NEW DETECTOR LOOPS PER CITY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF TRAFFIC SIGNALS AND LIGHTING SYSTEMS, 2005 EDITION. SPOKE LOOPS TO VMC IN PULLBOX. ALL LOOPS AT LIMIT LINE SHALL BE TYPE 'D'. ALL BKG LANE LOOPS SHALL BE TYPE 'Q'.

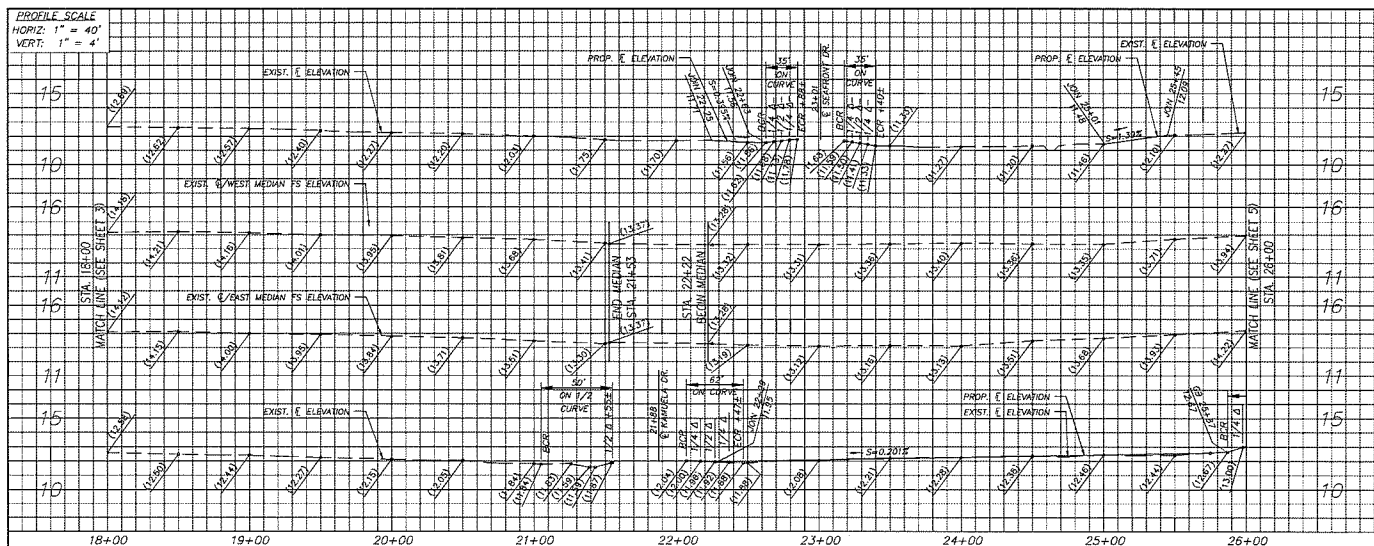


ALL PLANTINGS SHOWN ON THIS SHEET TO BE 24" DBH TRISTEMA LAURINA



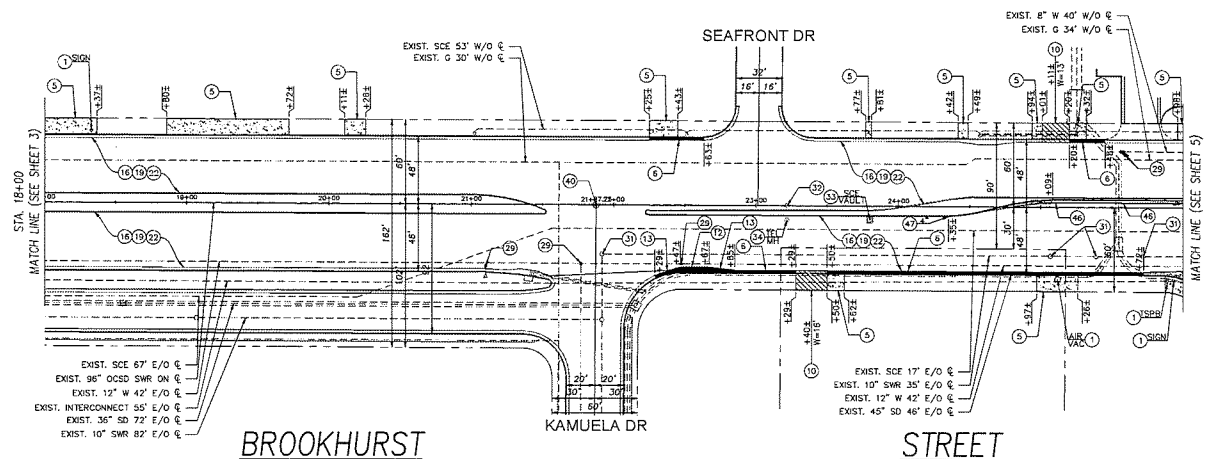
CC1595 - BROOKHURST - YORKTOWN TO GARFIELD.DWG

 Underground Service Alert Call: TOLL FREE 811 TWO WORKING DAYS BEFORE YOU DIG	REVISIONS	REFERENCES	PREPARED UNDER THE SUPERVISION OF: Gabriel Muñoz-Marín, P.E. R.C.E. NO. 087374 EXP. DATE 08/25/21 APPROVED BY: M. Todd Brownward, PRINCIPAL C.E. DATE R.C.E. NO. 032144 EXP. DATE 12/31/21	 CITY OF HUNTINGTON BEACH DEPARTMENT OF PUBLIC WORKS	STREET IMPROVEMENT PLAN ARTERIAL REHABILITATION BROOKHURST STREET FROM YORKTOWN ST. TO GARFIELD ST. STA. 10+53 TO STA. 18+00	SHEET NO. 3 OF 14																																
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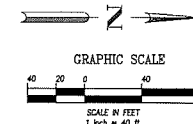
CONSTRUCTION NOTES:

- PROTECT IN PLACE
- REMOVE AND RECONSTRUCT SIDEWALK PER HB STD PLAN 207 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-GRADE FROM WALK TO EXISTING SLOPE, RELOCATING IRRIGATION TO BACK OF NEW WALK, RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT CURB AND CUTTER PER HB STD. PLAN 202 (C = 87). (ITEM INCLUDES CURB, SLOT PAVEMENT AND LOT DRAIN.)
- REMOVE AND RECONSTRUCT DRIVEWAY PER MODIFIED COMARCON DRIVEWAY DETAIL ON SHEET 6. ITEM INCLUDES HIGH STRENGTH EARLY CURE CONCRETE PER SPECIFICATIONS.
- REMOVE AND RECONSTRUCT LOCAL DEPRESSION PER HB STD. PLAN 302. (INCLUDES SLOTTED PAVEMENT, CURB, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT CATCH BASIN APRON TRANSITION WING, SWAMP CONDITION, PER HB STD. PLANS 301 AND 302. (INCLUDES CURB, SLOTTED PAVEMENT/CURB, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.34' FROM EXISTING SURFACE.
- CONSTRUCT NEW 0.17' FIBER REINFORCED ASPHALT RUBBER HOT MIX ASPHALT-OG-2 PG 64-16 NET PROCESS OVERLAY.
- CONSTRUCT NEW 0.17' FIBER REINFORCED 8-PG 64-16 A.C. BASE COURSE OVER 200 PSI COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY PER PLAN AND DETAIL ON SHEET 6.
- REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HB STD. PLAN 612.
- FURNISH AND INSTALL COMPOSITE SEWER MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD. PLAN 513(S).
- INSTALL NEW OCSO MANHOLE FRAME AND COVER AND ADJUST TO GRADE PER OCSO STD. PLANS S-051, S-054, AND S-055. CONTRACTOR TO COORDINATE WITH OCSO CONSTRUCTION INSPECTOR DAN CHEMOTI AT (714) 430-1180 TO CONFIRM MATERIAL RECEIPT AND ENSURE MATERIALS AND WORK MEET OCSO MANHOLE FRAME AND COVER ADJUSTMENT STANDARDS.
- ADJUST SEE VAULT/MANHOLE TO GRADE BY SCE. CONTRACTOR TO COORDINATE WITH ERIC DEN AT (714) 895-0242 OR DAN LUCY AT (714) 895-0548. (ALLOWANCE)
- ADJUST TELEPHONE VAULT, CABINET OR MANHOLE TO GRADE BY FRONTIER. CONTRACTOR TO COORDINATE WITH RAY ROUNDTREE AT (714) 375-6760. (ALLOWANCE)
- REPLACE EXISTING MONUMENT WELL WITH A BROOKS 4-11 TRAFFIC BOX OR APPROVED EQUIVALENT (COVER MARKED "SURVEY" OR "MONUMENT"), ADJUSTING TO FINAL FINISHED SURFACE.
- DEMOLISH MEDIAN ISLAND AND CURB AS SHOWN ON PLANS. (INCLUDES ALL APPURTENANCES, CURB CUTTING, DEDICATION OF CONCRETE MEDIAN SECTION, AND ALL ITEMS TO COMPLETE THE WORK.)
- CONSTRUCT NEW MEDIAN ISLAND AND CURB AS SHOWN ON PLANS. HEIGHT OF NEW MEDIAN CURB ABOVE NEW FINISHED SURFACE SHALL BE AS DENOTED ON PLANS. AREA BETWEEN NEW CURBS SHALL BE 4" THICK CONCRETE. (INCLUDES ALL ITEMS TO COMPLETE THE WORK.)



LEGEND

- DRIVEWAY R/R
- CONCRETE R/R
- TREE
- TYPE "D" LOOP DETECTOR
- TYPE "C" LOOP DETECTOR
- TYPE "O" LOOP DETECTOR



CC1595 - BROOKHURST - YORKTOWN TO GARFIELD.DWG

ARTERIAL REHABILITATION

C.C. No. 1595

Underground Service Alert
Call: TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

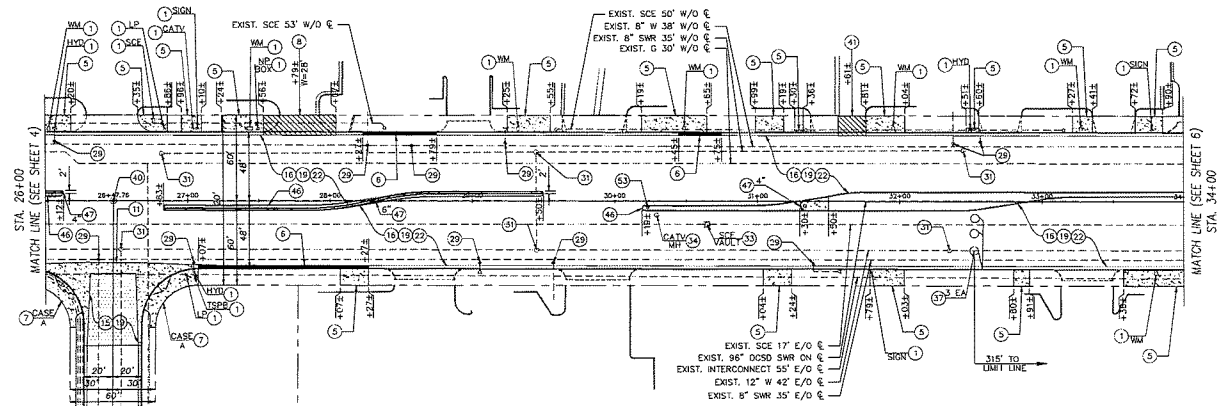
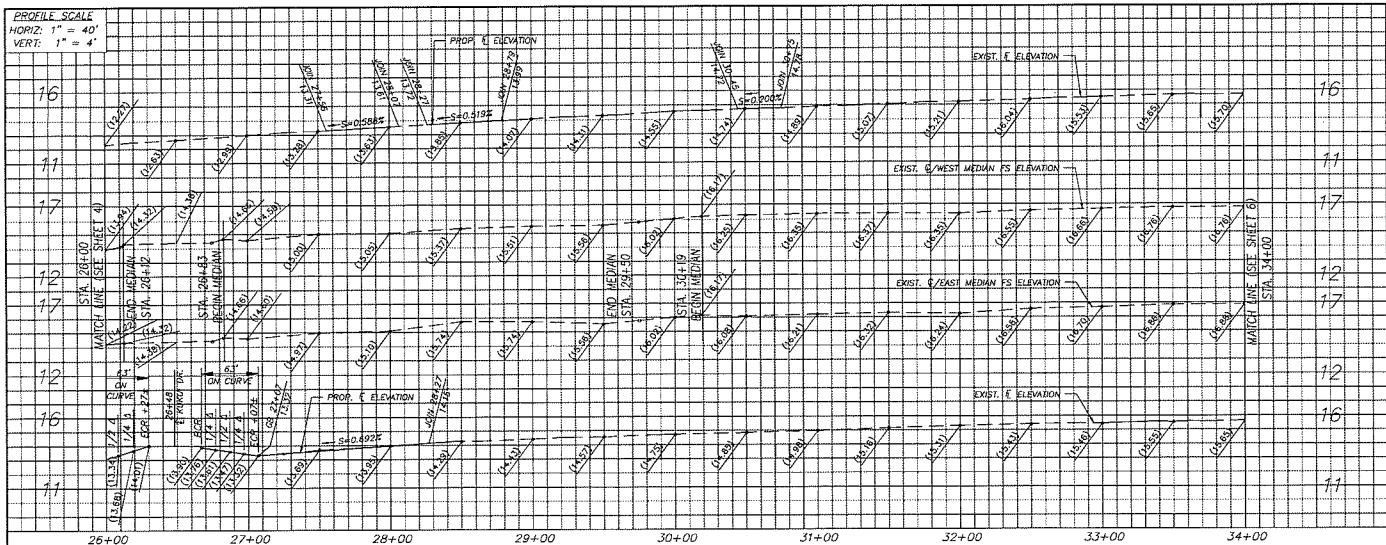
REVISIONS			REFERENCES	
REV.	DATE	BY	DESCRIPTION	APP'D

DRAWN BY: JG		6/15/2020
DESIGNED BY: CMH		6/15/2020
CHECKED BY: TB		6/15/2020
APPROVED BY: M. Todd Brownlee, PRINCIPAL C.E. DATE		6/15/2020
R.C.E. NO. 057144		EXP. DATE 12/31/21



STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
BROOKHURST STREET
FROM YORKTOWN ST. TO GARFIELD ST.
STA. 18+00 TO STA. 26+00

SHEET NO.
4
OF
14



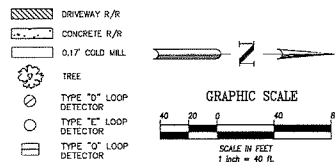
BROOKHURST

STREET

CONSTRUCTION NOTES:

- PROTECT IN PLACE
- REMOVE AND RECONSTRUCT SIDEWALK PER HB STD PLAN 207 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-GRADE FROM WALK TO EXISTING SLOPE, RELOCATING IRIGATION TO BACK OF NEW WALK, RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT CURB AND GUTTER PER HB STD. PLAN 202 (CF = 8"). (ITEM INCLUDES C&G, SLOTTED PAVEMENT AND LOT DRAIN.)
- REMOVE AND RECONSTRUCT CURB ACCESS RAMP, DEPRESSIONED CURB, AND GUTTER PER CALTRANS STD PLAN RSP AREA FROM BOX TO EOR. (CASE SHOWN ON PLANS). (INCLUDES ALL APPURTENANCES, CURB, GUTTER, DEPRESSIONED CURB, SIDEWALK, DOWNS, RETAINING CURB, C&G, SLOTTED PAVEMENT, AND ALL ITEMS FROM EOR TO BOX NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT CONCRETE DRIVEWAY APPROACH PER HB STD. PLAN 211. MATCH EXISTING IMPROVEMENTS TO GRADE ("W" PER PLAN) (INCLUDES HIGH STRENGTH EARLY YIELD CONCRETE PER SPECIFICATIONS, DEPRESSIONED CURB & GUTTER, UNSTE BLENDED, RETAINING CURB, SLOTTED PAVEMENT, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT CONCRETE CURB AND CROSS GUTTER PER HB STD. PLAN 205. (INCLUDES SLOTTED PAVEMENT, C&G, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.17' FROM EXISTING SURFACE.
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.34' FROM EXISTING SURFACE.
- CONSTRUCT NEW 0.17' FIBER REINFORCED ASPHALT RUBBER HOT MIX ARHM-05-C PG 64-16 WET PROCESS OVERLAY.
- CONSTRUCT NEW 0.17' FIBER REINFORCED B-PG 64-16 A.C. BASE COURSE OVER DSE COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY PER PLAN AND DETAIL ON SHEET 6.
- REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HB STD PLAN 512.
- FURNISH AND INSTALL COMPOSITE GEMER MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD PLAN 513B).
- ADJUST S&E VALVE/MAHOLE TO GRADE BY S&E. CONTRACTOR TO COORDINATE WITH ERICK DEN AT (714) 895-0242 OR DAN LUCY AT (714) 895-0548. (ALLOWANCE)
- ADJUST TELEPHONE VAULT, CABINET OR MANHOLE TO GRADE BY FRONTIER. CONTRACTOR TO COORDINATE WITH RAY ROBINETTE AT (714) 375-6260. (ALLOWANCE)
- INSTALL NEW DETECTOR LOOPS PER CITY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF TRAFFIC SIGNALS AND LIGHTING SYSTEMS. 2005 EDITION. SPACE LOOPS TO 8" IN PULLBOX. ALL LOOPS AT LEFT LINE SHALL BE TYPE "D". ALL DRIVE LINE LOOPS SHALL BE 3"5" TYPE "D".
- REPLACE EXISTING MONUMENT WELL WITH A BROOKS 4-TI TRAFFIC BOX OR APPROVED EQUIVALENT (COVER MARKED "SURVEY" OR "MONUMENT"). ADJUSTING TO FINAL FINISHED SURFACE.
- REPLACE EXISTING DRIVEWAY SECTION IN-W/O. (INCLUDES HIGH STRENGTH EARLY YIELD CONCRETE PER SPECIFICATIONS AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- DEMOLISH MEDIAN ISLAND AND CURB AS SHOWN ON PLANS. (INCLUDES ALL APPURTENANCES, CURB CUTTING, DEMOLITION OF CONCRETE MEDIAN SECTION, AND ALL ITEMS TO COMPLETE THE WORK.)
- CONSTRUCT NEW MEDIAN ISLAND AND CURB AS SHOWN ON PLANS. HEIGHT OF NEW MEDIAN CURB ABOVE FINISHED SURFACE SHALL BE AS INDICATED ON PLANS. AREA BETWEEN NEW CURBS SHALL BE 4" THICK CONCRETE. (INCLUDES ALL ITEMS TO COMPLETE THE WORK.)
- REMOVE EXISTING IRRIGATION PULL BOX AND RELOCATE TO NEW MEDIAN HOSE AT APPROXIMATELY STA. 31+34. CUT AND ABANDON EXISTING CONDUIT AND STUB UP AT NEW PULL BOX.

LEGEND



CC1595 - BROOKHURST - YORKTOWN TO GARFIELD.DWG

Underground Service Alert
Call: TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

REV.	DATE	BY	DESCRIPTION	APPROVED

REFERENCES

DRAWN BY:	NO	6/15/2020
DESIGNED BY:	GM	6/15/2020
CHECKED BY:	TB	6/15/2020

PREPARED UNDER THE SUPERVISION OF:
Gabriel Mufson, P.E.
R.C.E. NO. 087374 Exp. DATE 09/29/21
APPROVED BY:
M. Todd Brownword, PRINCIPAL C.E. DATE
R.C.E. NO. 057144 Exp. DATE 12/31/21

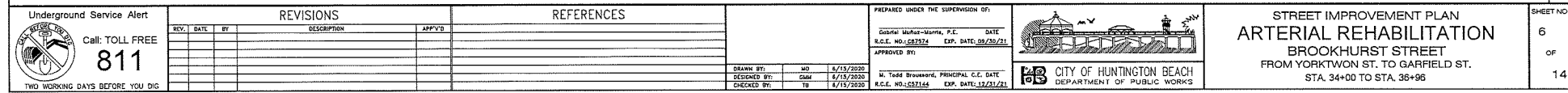
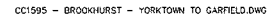


STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
BROOKHURST STREET
FROM YORKTOWN ST. TO GARFIELD ST.
STA. 26+00 TO STA. 34+00

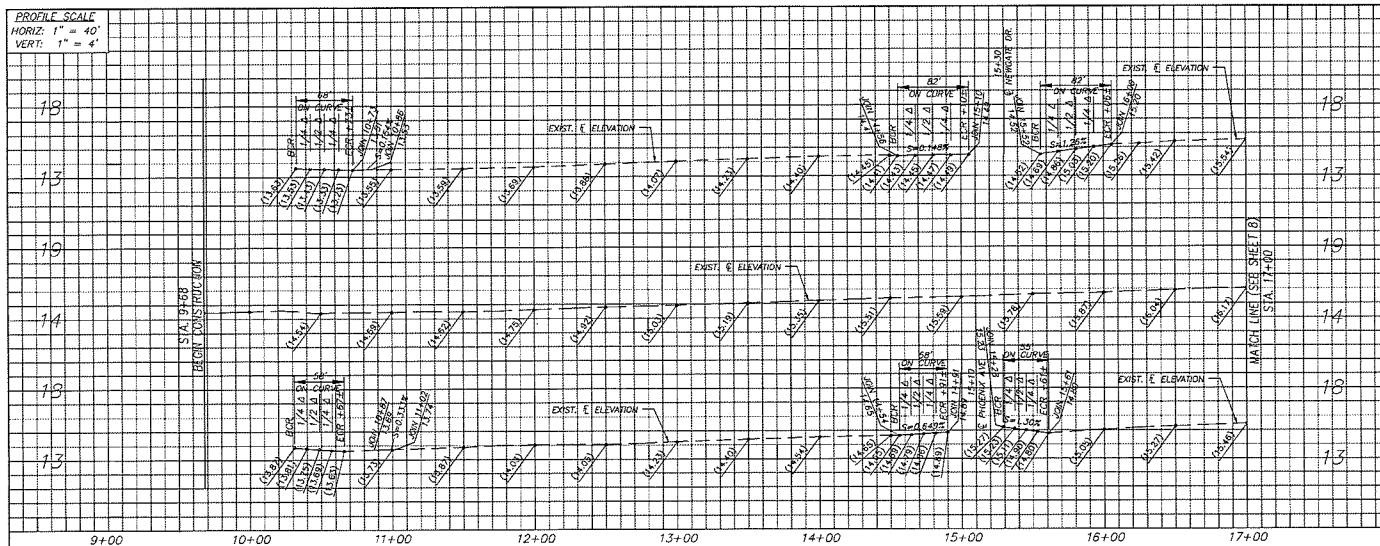
SHEET NO.
5
OF
14

ARTERIAL REHABILITATION

C.C. No. 1595

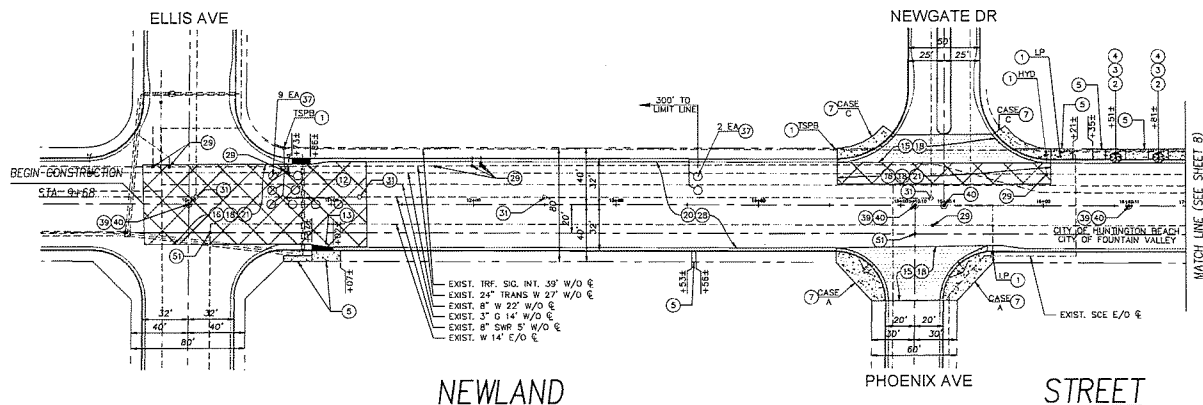


PROFILE SCALE
HORIZ. 1" = 40'
VERT. 1" = 4'



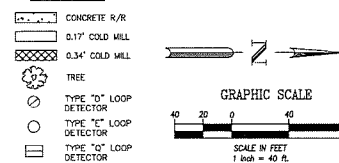
CONSTRUCTION NOTES:

- PROTECT IN PLACE
- REMOVE TREE AND ROOTS; GRIND TREE STUMP AND ROOTS TO 24" BELOW TOP OF SIDEWALK/GRADE. PULL OUT ALL ROOTS WITHIN PROPOSED IMPROVEMENTS.
- FURNISH AND PLANT NEW 2" X 10" TREES PER HB STD. PLANS 714, 715, 716, 718 & 719 AS SHOWN ON PLANS. SEE PLAN FOR TREE LOCATION AND SPECIES. (ITEM INCLUDES EXISTING LANDSCAPE AND IRRIGATION REMOVAL TO ACCOMMODATE NEW TREE REPLACEMENT OF IRRIGATION IN KIND; BACKFILLING WITH CLASS A TOP SOIL, AND INSTALLATION OF AIRDOP-CARD OR APPROVED EQUIV. AT BASE OF NEW TREE)
- SANITARY AND REMOVE EXISTING SIDEWALK AT EXISTING TREE LOCATION AND CONSTRUCT TREE WELL WITH SIDEWALK PER DETAIL ON SHEET 6. ITEM INCLUDES REMOVAL OF SIDEWALK, 6" OF NEW SIDEWALK, NON-CHEMICAL WEED CONTROL BARRIER TO BE DUPONT LANDSCAPE WAX OR APPROVED EQUIV. AND MULCH.
- REMOVE AND RECONSTRUCT SIDEWALK PER HB STD. PLAN 307 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-GRADE FROM WALK TO EXISTING SLOPE, RELOCATING IRRIGATION TO BACK OF NEW WALK, RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT CURB ACCESS RAMP, DEPRESSED CURB, AND GUTTER PER CALTRANS STD. PLAN RSP ABRA FROM BOR TO ECR. (CASE SHOWN ON PLAN). (INCLUDES ALL APPURTENANCES, CURB, GUTTER, DEPRESSED CURB, SIDEWALK, DOWNS, RETAINING CURB, C&S, SLOT PAVEMENT, AND ALL ITEMS FROM ECR TO BOR NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT LOCAL DEPRESSION PER HB STD. PLAN 302. (INCLUDES SLOT PAVEMENT, CURB, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT CATCH BASIN APRON TRANSITION WING, SLUMP CONDITION, PER HB STD. PLANS 301 AND 302. (INCLUDES CURB, SLOT PAVEMENT, CURB, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.17" FROM EXISTING SURFACE.
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.34" FROM EXISTING SURFACE.
- CONSTRUCT NEW 0.17" ASPHALT RUBBER HOT MIX ARHM-60-C PG 64-16 WET PROCESS OVERLAY.
- CONSTRUCT NEW 0.25" ASPHALT RUBBER HOT MIX ARHM-60-C PG 64-16 WET PROCESS OVERLAY OVER 95% COMPACTED SUBGRADE PER PLAN AND DETAIL ON SHEET 6.
- CONSTRUCT NEW 0.17" 8-PS 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17" ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.17" TO ZERO FROM HINGE POINT SHOWN ON PLANS TO GUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
- PAVEMENTIZE AND MIX EXISTING A.C. PAVEMENT AND SUBGRADE TO A DEPTH OF 0.375; REMOVE 0.25" OF PAVEMENTIZED MATERIAL; ADD CEMENT AND WATER AS SPECIFIED IN PROJECT SPECIFICATIONS TO A DEPTH OF 0.50; ALLOW C.T.B. SECTION TO CURE THEN MICRO-CRAK.
- REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HB STD. PLAN 812.
- FURNISH AND INSTALL COMPOSITE SCHED. MANGOLITE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD. PLAN 510(b).
- INSTALL NEW DETECTOR LOOPS PER CITY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF TRAFFIC SIGNALS AND LIGHTING SYSTEMS, 2005 EDITION. SPICE LOOPS TO DLO IN PULLBOX. ALL LOOPS AT LIFT LANE SHALL BE TYPE "D"; ALL BIKELANE LOOPS SHALL BE TYPE "D".
- ESTABLISHED AND/OR PERFORATED POINT OF CONTROL FROM EXISTING PROVIDED RECORD INFORMATION INCLUDED IN PROJECT SPECIFICATIONS OR IN POSITION MONUMENT CURRENTLY EXISTS. AT CONCLUSION OF PROJECT MONUMENT SHALL EXIST AT CURRENT FINISHED SURFACE AND HAVE A CORNER RECORD FILED WITH THE ORANGE COUNTY SUPERVISOR'S OFFICE, WITH FILED COPY SUBMITTED TO AGENCY, PERPETUATING ITS POSITION.
- REPLACE EXISTING MONUMENT WELL WITH A BROOKS 4-TT TRAFFIC BOX OR APPROVED EQUIVALENT (COVER MARKED "SURVEY" OR "MONUMENT"), ADJUSTING TO FINAL FINISHED SURFACE.
- REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER FOUNTAIN VALLEY STD. PLAN 708



ALL PLANTINGS SHOWN ON THIS SHEET TO BE 24" BOX PURPLE CRAWPE WYTTLES

LEGEND



CC1595 - NEWLAND - ELLIS TO TALBERT.DWG



Underground Service Alert

Call: TOLL FREE
811

TWO WORKING DAYS BEFORE YOU DIG

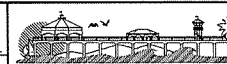
REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'D

REFERENCES

DESIGNED BY:	MD	6/15/2020	APPROVED BY:	U. Todd Brunsauer, PRINCIPAL C.E. DATE
CHECKED BY:	TR	6/15/2020	A.C.E. NO. 057144	EXP. DATE: 12/31/21

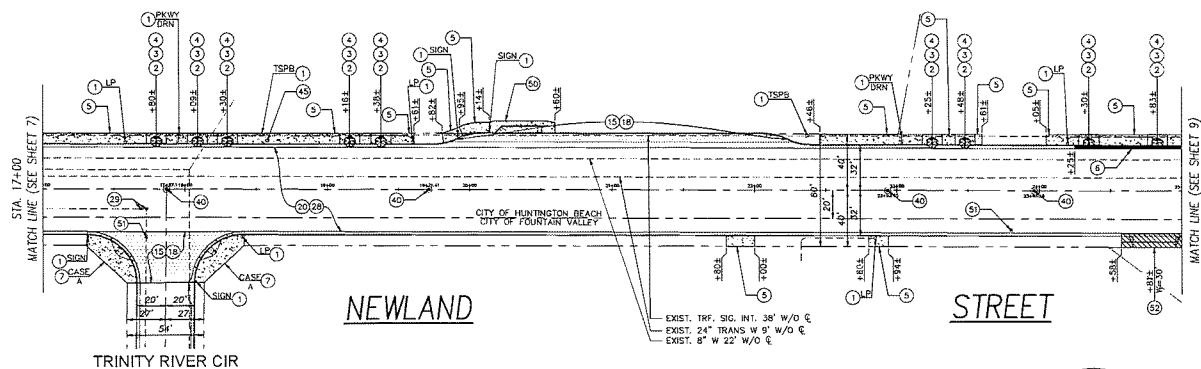
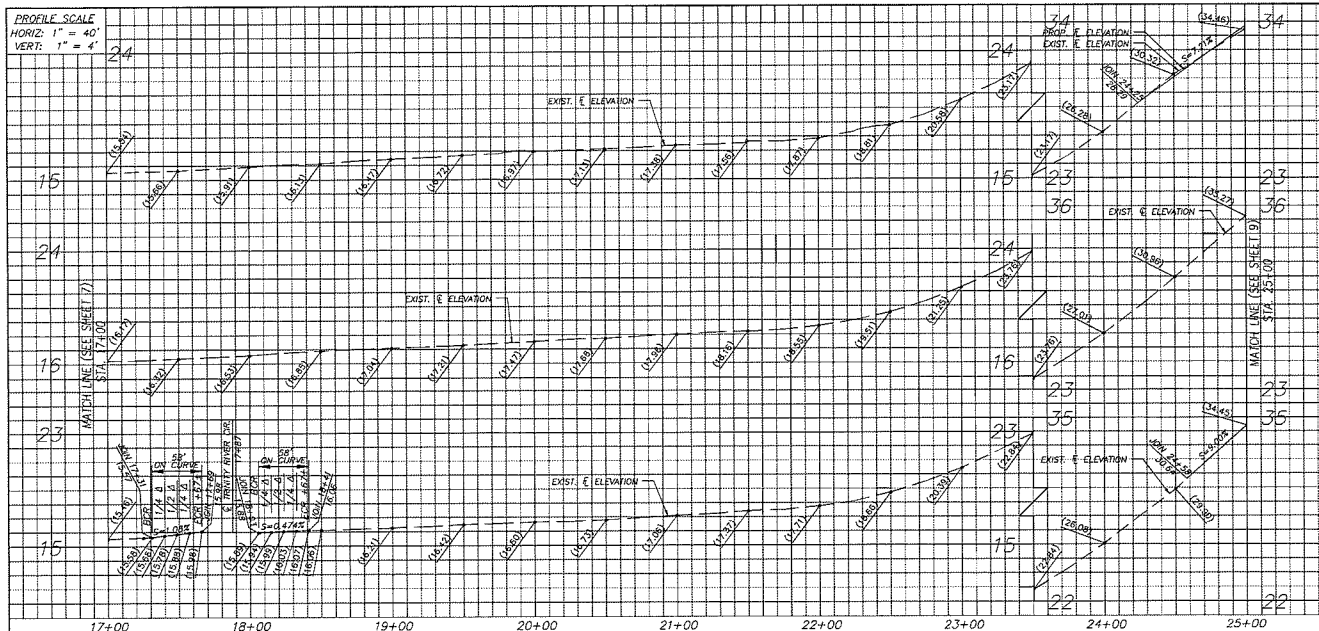
PREPARED UNDER THE SUPERVISION OF:

Gabriel Muñoz-Morales, P.E. DATE: 6/15/2020
A.C.E. NO. 081574 EXP. DATE: 09/30/21CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
NEWLAND STREET
FROM ELLIS AVE. TO TALBERT AVE.
STA. 9+68 TO STA. 17+00

SHEET NO.

7
8
14



CONSTRUCTION NOTES:

- [illegible]

LEGEND

-
- CONCRETE R/R
- 0.17" COLD MILL
- FREE
- TYPE "D" LOOP DETECTOR
- TYPE "E" LOOP DETECTOR
- TYPE "O" LOOP DETECTOR
- GRAPHIC SCALE
- 40 20 0 40
- SCALE IN FEET

CC1595 - NEWLAND - ELLIS TO TALBERT.DWG

Underground Service Alert



Call: TOLL FREE

811

TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

[illegible]

REFERENCES

DRAWN BY:	MO	6/15/2020
DESIGNED BY:	GMW	6/15/2020
CHECKED BY:	TR	6/15/2020

PREPARED UNDER THE SUPERVISION OF:

Gabriel Muñoz-Morris, P.E. DATE
R.C.E. NO.: CA7574 EXP. DATE: 06/30/2

APPROVED BY:

W. Todd Broussard, PRINCIPAL C.E. DATE
R.C.E. NO.: C57144 EXP. DATE: 12/31/2

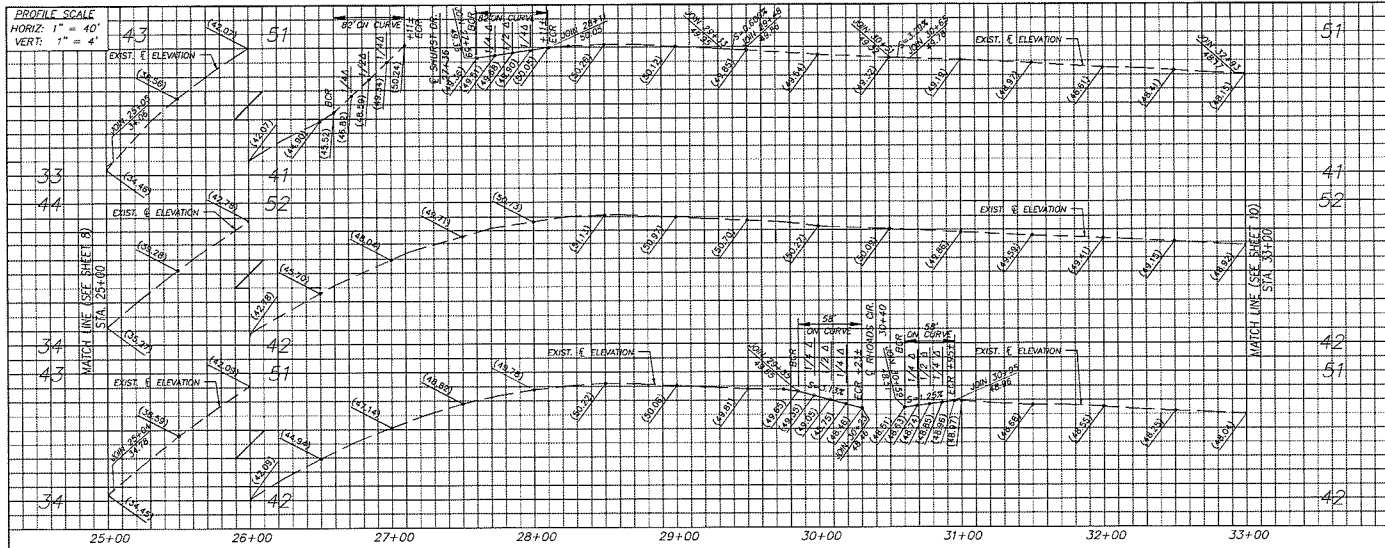


HB CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
NEWLAND STREET
FROM ELLIS AVE. TO TALBERT AVE.
STA. 17+00 TO STA. 25+00

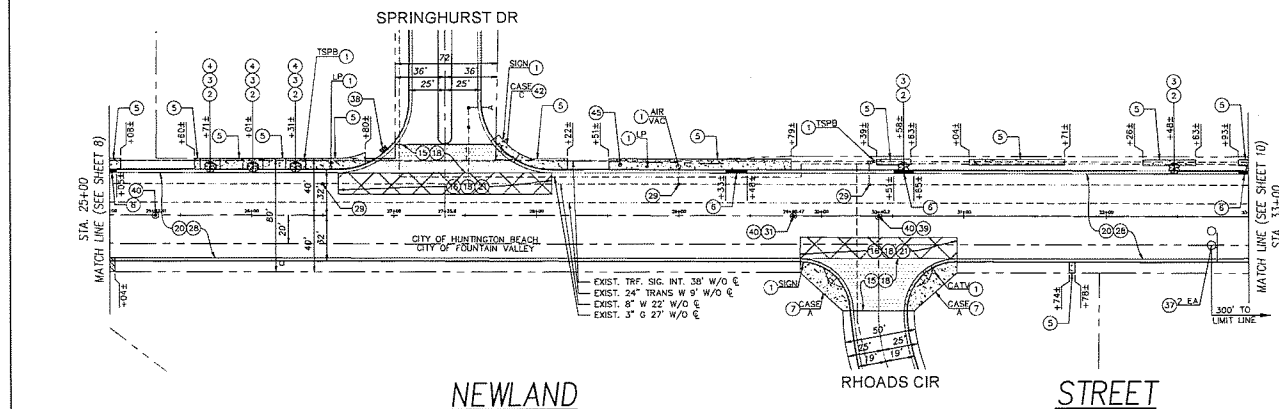
SHEET NO.

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OF
14



CONSTRUCTION NOTES:

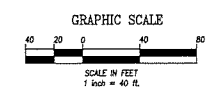
1. PROTECT IN PLACE
2. REMOVE TREE AND ROOTS. GROUND TREE STUMP AND ROOTS TO 24" BELOW TOP OF SIDEWALK/GRADE. FILL DIRT AND ROOTS WITH PROPOSED UNDERSEALTS.
3. FURNISH AND PLANT NEW 24" BOX TREE PER HB STD. PLANS 714, 715, 716, 718 & 719 AS SHOWN ON PLANS. SEE PLAN FOR TREE LOCATION AND SPECIES. (ITEM INCLUDES EXISTING LANDSCAPE AND IRRIGATION REMOVAL TO ACCOMMODATE NEW TREE, REPLACEMENT OF IRRIGATION IN KIND, BACKFILLING WITH CLASS A TOP SOIL AND INSTALLATION OF ARBOR-GARD OR APPROVED EQUAL AT BASE OF NEW TREE)
4. SAWCUT AND REMOVE EXISTING SIDEWALK AT EXISTING TREE LOCATION AND CONSTRUCT TREE WELL WITH SIDEWALK PER DETAIL ON SHEET 6. (ITEM INCLUDES REMOVAL OF SIDEWALK, 6 LF OF NEW SIDEWALK, NON-CHEMICAL WEED CONTROL BARRIER TO BE DUPONT LANDSCAPE MAX OR APPROVED EQUAL AND MULCH)
5. REMOVE AND RECONSTRUCT SIDEWALK PER HB STD. PLAN 207 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-GRADE FROM WALK TO EXISTING SLOPE, RELOCATING IRRIGATION TO BACK OF NEW WALK, RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
6. REMOVE AND RECONSTRUCT CURB AND GUTTER PER HB STD. PLAN 202 (OT = 8"). (ITEM INCLUDES CURB, SLOT PAVEMENT AND LOT DRAIN.)
7. REMOVE AND RECONSTRUCT CURB ACCESS RAMP, DEPRESSED CURB, AND GUTTER PER CALTRANS STD. PLAN RSP AB8A FROM BOR TO EOR, (CASE SHOWN ON PLAN). (INCLUDES ALL APPURTENANCES, CURB GUTTER, DEPRESSED CURB, SIDEWALK, DOWNS, RETAINING CURB, CURB, SLOT PAVEMENT, AND ALL ITEMS FROM EOR TO BOR NECESSARY TO COMPLETE THE WORK IN PLACE.)
15. COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.17" FROM EXISTING SURFACE.
16. COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.34" FROM EXISTING SURFACE.
18. CONSTRUCT NEW 0.17" ASPHALT RUBBER HOT MIX ARHM-GG-C PG 64-16 NET PROCESS OVERLAY.
20. CONSTRUCT NEW 0.25" ASPHALT RUBBER HOT MIX ARHM-GG-C PG 64-16 NET PROCESS OVERLAY OVER 10% COMPACTED SUBGRADE FOR PLAN AND DETAIL ON SHEET 6.
21. CONSTRUCT NEW 0.17" 9-PG 64-16 A.C. BASE COURSE OVER 10% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17" ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.17" TO ZERO FROM HWY POINT SHOWN ON PLANS TO GUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
28. PAVEMENTIZE AND MIX EXISTING A.C. PAVEMENT AND SUBGRADE TO A DEPTH OF 0.75"; REMOVE 0.25" OF PAVEMENTIZED MATERIAL; ADD CEMENT AND WATER AS SPECIFIED IN PROJECT SPECIFICATIONS TO A DEPTH OF 0.30"; ALLOW C.T.R. SECTION TO CURE THEN MOVED-GRACK.
29. REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HB STD. PLAN 612.
31. FURNISH AND INSTALL COMPOSITE SEWER MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD. PLAN 5130A.
37. INSTALL NEW DETECTOR LOOPS PER CITY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF TRAFFIC SIGNALS AND LIGHTING SYSTEMS, 2005 EDITION. SPURCE LOOPS TO DUC IN PULLBOX. ALL LOOPS AT LIMIT LINE SHALL BE TYPE "D". ALL ONE LANE LOOPS SHALL BE TYPE "D".
38. INSTALL TRUNCATED DOWNS TO EXISTING CURB ACCESS RAMP PER CALTRANS STD. PLAN RSP AB8A. ESTABLISHED AND /OR PERPETUATED POINT OF CONTROL FROM EXISTING PROVIDED RECORD INFORMATION INCLUDED IN PROJECT SPECIFICATIONS OR IN POSITION MONUMENT CURRENTLY EXISTS. AT COMPLETION OF PROJECT MONUMENT SHALL EXIST AT CURRENT FINISHED SURFACE AND HAVE A CORNER RECORD FILED WITH THE ORANGE COUNTY SURVEYOR'S OFFICE, WITH FILED COPY SUBMITTED TO AGENCY, PERPETUATING ITS POSITION.
40. REPLACE EXISTING MONUMENT WELL WITH A BROOKS 4-TT TRAFFIC BOX OR APPROVED EQUIVALENT (COVER MARKED "SURVEY" OR "MONUMENT"), ADJUSTING TO FINAL FINISHED SURFACE.
42. CONSTRUCT CURB ACCESS RAMP PER CALTRANS STD. PLAN RSP AB8A FROM BOR TO EOR, UNLESS NOTED OTHERWISE ON PLAN USING HORIZONTAL CURB CUTTING MACHINE AS SHOWN ON CURB RAMP DETAIL ON SHEET 6, CASE SHOWN ON PLAN. (INCLUDES ALL APPURTENANCES, CURB CUTTING, SIDEWALK, DOWNS, RETAINING CURB AND ALL ITEMS FROM EOR TO BOR NECESSARY TO COMPLETE THE WORK IN PLACE.)
43. PROTECT IN PLACE CATHODIC PROTECTION TEST STATION. CALL ANDY FERREIRO AT (714) 536-5291 BEFORE PROJECT COMPLETION FOR INSPECTION OF CATHODIC PROTECTION TEST STATIONS.



ALL PLANTINGS SHOWN SOUTH OF SPRINGHURST DR. TO BE 24" BOX PURPLE CRAWF WYTTLES
ALL PLANTINGS SHOWN NORTH OF SPRINGHURST DR. TO BE 24" BOX FIREWHEELS

LEGEND

- CONCRETE R/R
- 0.17" COLD MILL
- 0.34" COLD MILL
- TREE
- TYPE "D" LOOP DETECTOR
- TYPE "E" LOOP DETECTOR
- TYPE "Q" LOOP DETECTOR



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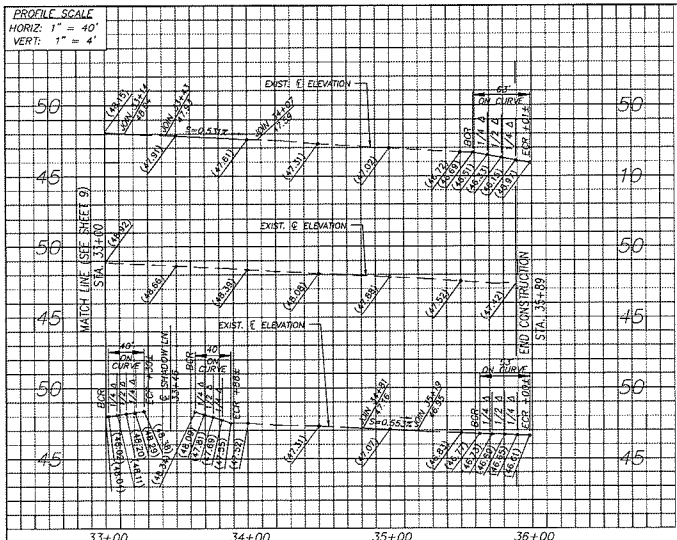
REVISIONS				REFERENCES	
REV.	DATE	BY	DESCRIPTION	APPROVED	

DRAWN BY:	MO	6/15/2020
DESIGNED BY:	GM	6/15/2020
CHECKED BY:	TR	6/15/2020

PREPARED UNDER THE SUPERVISION OF:
Gabriel Mufar-Morris, P.E.
R.E. No. 168734 Exp. DATE: 09/30/21
APPROVED BY:
M. Todd Brownlee, PRINCIPAL C.E. DATE
R.E. No. 057144 Exp. DATE: 12/31/21

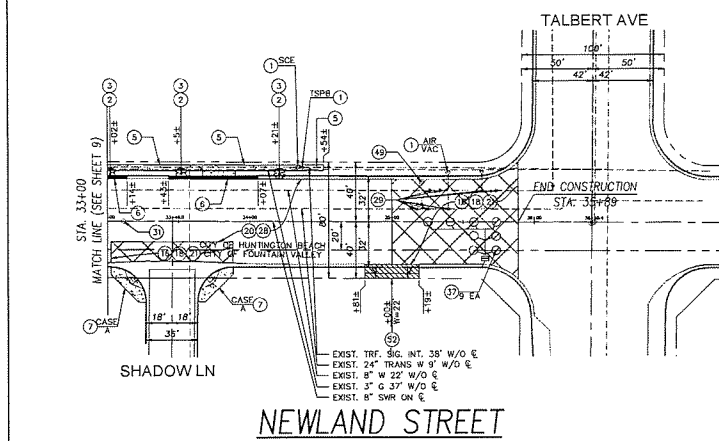


STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
NEWLAND STREET
FROM ELLIS AVE. TO TALBERT AVE.
STA. 25+00 TO STA. 33+00



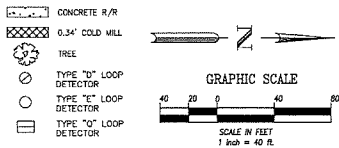
CONSTRUCTION NOTES:

- 1 PROTECT IN PLACE
- 2 REMOVE TREE AND ROOTS; GRIND TREE STUMP AND ROOTS TO 24" BELOW TOP OF SIDEWALK/GRADE.
- 3 PULL OUT ALL ROOTS WITHIN PROPOSED IMPROVEMENTS.
- 4 FURNISH AND PLANT NEW 24" BOX TREE PER HB STD. PLANS 714, 715, 716, 718 & 719 AS SHOWN ON PLANS. SEE PLAN FOR TREE LOCATION AND SPECIES. (ITEM INCLUDES EXISTING LANDSCAPE AND IRRIGATION REMOVAL TO ACCOMMODATE NEW TREE; REPLACEMENT OF IRRIGATION IN KIND; BACKFILLING WITH CLASS A TOP SOIL AND INSTALLATION OF ARBOR-CURB OR APPROVED EQUAL AT BASE OF NEW TREE)
- 5 REMOVE AND RECONSTRUCT SIDEWALK PER HB STD. PLAN 207 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE; RE-GRADE FROM WALK TO EXISTING SLOPE; RELOCATING IRRIGATION TO BACK OF NEW WALK; RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- 6 REMOVE AND RECONSTRUCT CURB AND GUTTER PER HB STD. PLAN 202 (Cf = 8"). (ITEM INCLUDES CURB, SLOTTED PAVEMENT AND LOT DRAIN.)
- 7 REMOVE AND RECONSTRUCT CURB ACCESS RAMP, DEPRESSED CURB, AND GUTTER PER CALTRANS STD. PLAN RSP AREA FROM BOR TO EOP. (CASE SHOWN ON PLAN). (INCLUDES ALL APPURTENANCES, CURB, GUTTER, DEPRESSED CURB, SIDEWALK, DOWNS, RETAINING CURB, CURB, SLOTTED PAVEMENT, AND ALL ITEMS FROM EOP TO BOR NECESSARY TO COMPLETE THE WORK IN PLACE.)
- 8 COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.34" FROM EXISTING SURFACE.
- 9 CONSTRUCT NEW 0.17" ASPHALT RUBBER HOT MIX ARHM-CC-C PG 64-15 NET PROCESS OVERLAY.
- 10 CONSTRUCT NEW 0.25" ASPHALT RUBBER HOT MIX ARHM-CC-C PG 64-15 NET PROCESS OVERLAY OVER 95% COMPACTED SUBGRADE PER PLAN AND DETAIL ON SHEET 5.
- 11 CONSTRUCT NEW 0.17" B-PG 64-10 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17" ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.17" TO ZERO FROM WALK POINT SHOWN ON PLANS TO GUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
- 12 PULVERIZE AND MIX EXISTING A.C. PAVEMENT AND SUBGRADE TO A DEPTH OF 0.75". REMOVE 0.25" OF PULVERIZED MATERIAL, ADD CEMENT AND WATER AS SPECIFIED IN PROJECT SPECIFICATIONS TO A DEPTH OF 0.50". ALLOW C.T.B. SECTION TO CURE THEN MICRO-CRACK.
- 13 REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HB STD. PLAN 612.
- 14 FURNISH AND INSTALL COMPOSITE SINKER MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD. PLAN 513(3).
- 15 INSTALL NEW DETECTOR LOOPS PER CITY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF TRAFFIC SIGNALS AND LIGHTING SYSTEMS, 2005 EDITION. SPACE LOOPS TO 60" IN FULLBOX. ALL LOOPS AT WALK LINE SHALL BE TYPE "D". ALL BIKE LANE LOOPS SHALL BE TYPE "Q".
- 16 ADJUST WATER MANHOLE FRAME AND COVER TO GRADE PER HB STD. PLAN 513(3).
- 17 REMOVE AND RECONSTRUCT DRIVEWAY PER FOUNTAIN VALLEY STD. PLAN 206. ("W" PER PLAN) (ITEM INCLUDES ALL APPURTENANCES, DEPRESSED CURB & GUTTER, ON-SITE BUILDING, RETAINING CURB, SLOTTED PAV., ETC.)



ALL PLANTINGS SHOWN ON THIS SHEET TO BE 24" BOX TREES/SHRUBS

LEGEND



CC1595 - NEWLAND - ELLIS TO TALBERT.DWG

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Call: TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

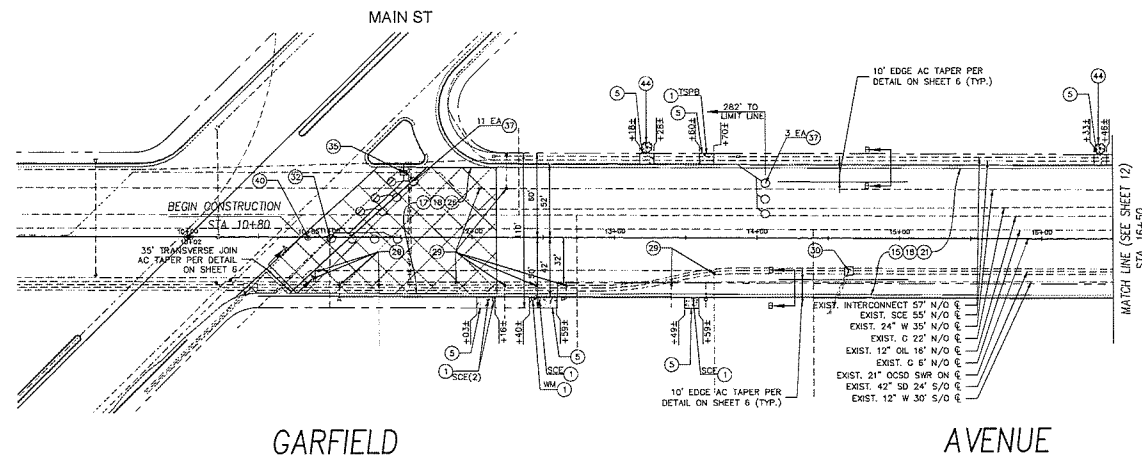
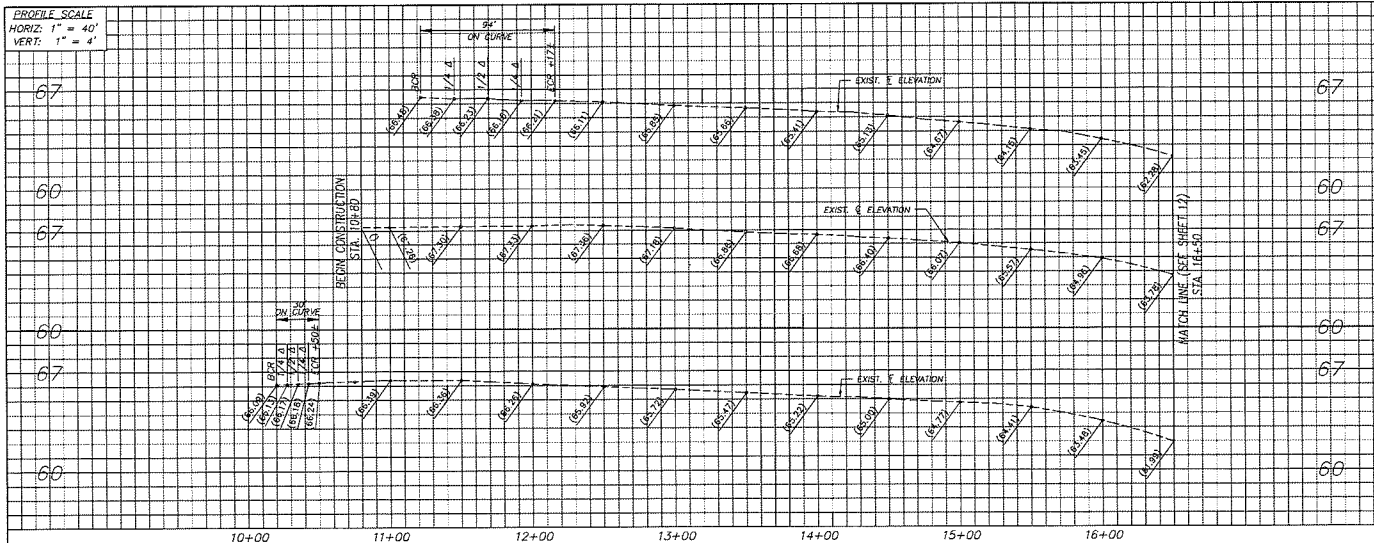
REVISIONS					REFERENCES	
REV.	DATE	BY	DESCRIPTION	APPROVED		

DESIGNED BY: MO		6/15/2020
CHECKED BY: TR		6/15/2020
APPROVED BY: W. Todd Broussard, PRINCIPAL C.E. DATE		6/15/2020
R.C.E. NO.: 057144		EXP. DATE: 12/31/21



STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
NEWLAND STREET
FROM ELLIS AVE. TO TALBERT AVE.
STA. 33+00 TO STA. 35+89

SHEET NO.	10
OF	14

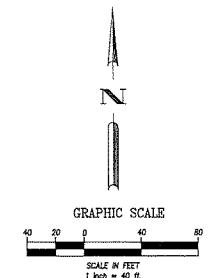


CONSTRUCTION NOTES:

1. PROTECT IN PLACE
2. REMOVE AND RECONSTRUCT SIDEWALK PER HS STD PLAN 207 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-GRADE FROM WALK TO EXISTING SLOPE, RELOCATING PAVEMENT TO BACK OF NEW WALK, RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
3. COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.17' FROM EXISTING SURFACE.
4. COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.50' FROM EXISTING SURFACE.
5. CONSTRUCT NEW 0.17' ASPHALT RUBBER HOT MIX ARHM-OG-C PG 64-16 NET PROCESS OVERLAY.
6. CONSTRUCT NEW 0.17' B-PG 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.17' TO ZERO FROM HINGE POINT SHOWN ON PLANS TO OUTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
7. CONSTRUCT NEW 0.50' S-PG 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.50' TO 0.17' FROM HINGE POINT SHOWN ON PLANS TO OUTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
8. REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HS STD PLAN 612.
9. FURNISH AND INSTALL COMPOSITE STORM DRAIN MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HS STD PLAN 307b).
10. INSTALL NEW OCSD MANHOLE FRAME AND COVER AND ADJUST TO GRADE PER OCSD STD PLANS S-563, S-564, AND S-565. CONTRACTOR TO COORDINATE WITH OCSD CONSTRUCTION INSPECTOR DAN DEMUTH AT (714) 430-4190 TO CONFIRM MATERIAL RECEIPT AND ENSURE MATERIALS AND WORK MEET OCSD MANHOLE FRAME AND COVER ADJUSTMENT STANDARDS.
11. ADJUST NATURAL GAS VALVE COVER TO GRADE BY SD CAL GAS. CONTRACTOR TO COORDINATE WITH ISAC PUENTE AT (714) 634-7222. (ALLOWANCE)
12. INSTALL NEW DETECTOR LOOPS PER CITY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF TRAFFIC SIGNALS AND LIGHTING SYSTEMS. 2005 EDITION. SPICE LOOPS TO DLS IN FULLBOK. ALL LOOPS AT LIMIT LINE SHALL BE TYPE "D". ALL BIKE LANE LOOPS SHALL BE TYPE "D".
13. REPLACE EXISTING MONUMENT WELL WITH A BROOKS 4-TT TRAFFIC BOX OR APPROVED EQUIVALENT (COVER MARKED "SURVEY" OR "MONUMENT"). ADJUSTING TO FINAL FINISHED SURFACE.
14. REMOVE ROOTS PRESENT UNDER PROPOSED SIDEWALK SECTION TO ALLOW FOR CONSTRUCTION OF NEW SIDEWALK SECTION.

LEGEND

- CONCRETE R/R
- 0.50' COLD MILL
- TREE
- TYPE "D" LOOP DETECTOR
- TYPE "E" LOOP DETECTOR
- TYPE "Q" LOOP DETECTOR



CC1595 - GARFIELD - MAIN TO DELAWARE.DWG

ARTERIAL REHABILITATION

C.C. No. 1595

Underground Service Alert
Call: TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

REVISIONS			REFERENCES	
REV.	DATE	BY	DESCRIPTION	APPROVED

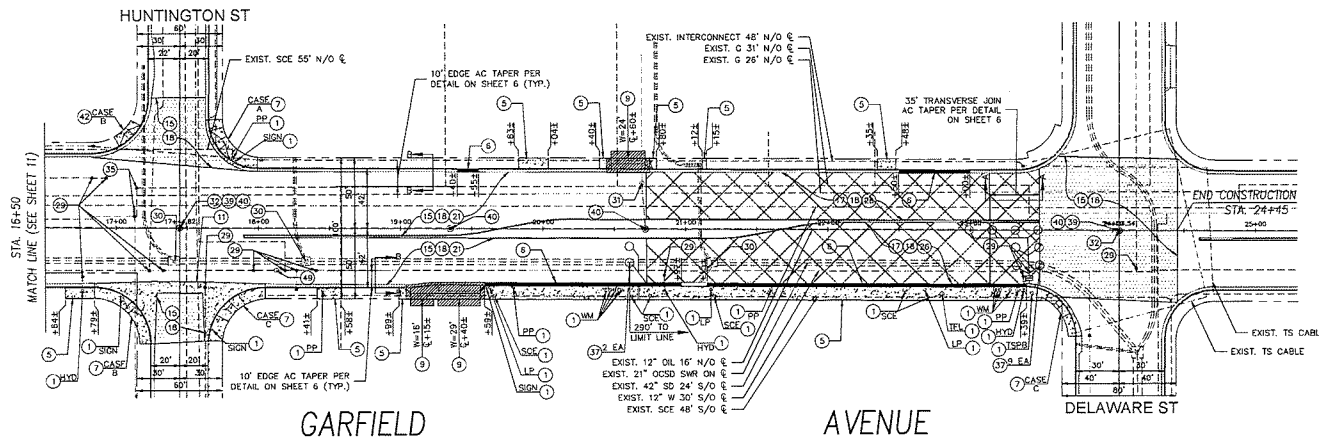
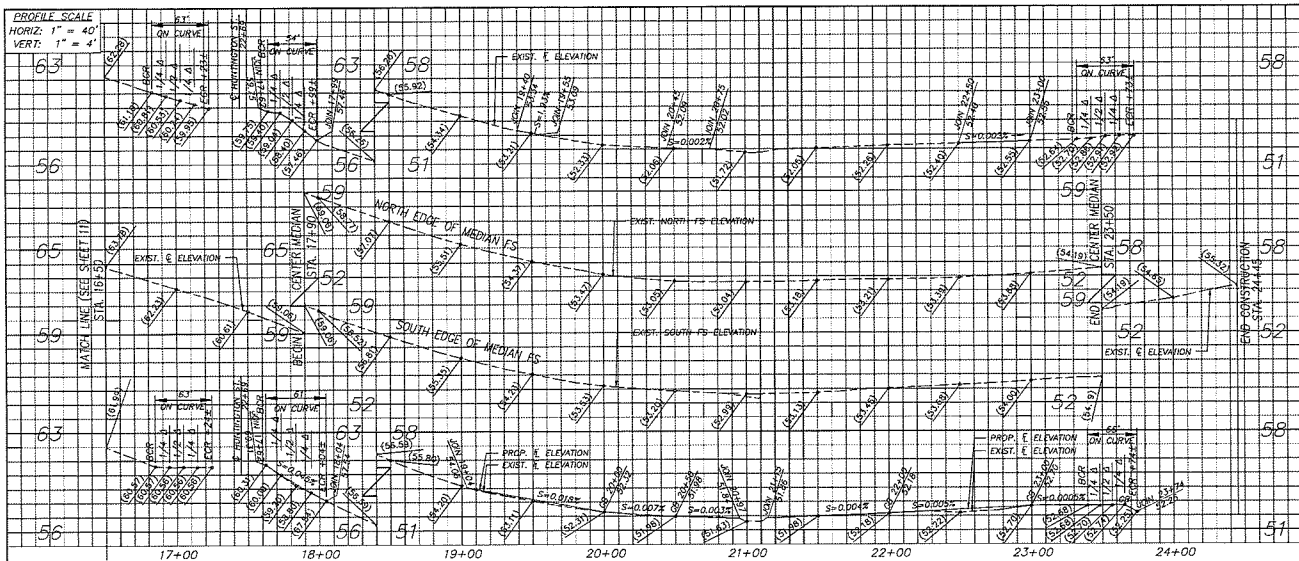
DRAWN BY: MD		6/15/2020
CHECKED BY: GMM		6/15/2020
DESIGNED BY: TB		6/15/2020

PREPARED UNDER THE SUPERVISION OF:
Gebrail Walker-Harris, P.E.
R.C.E. NO. C87574 EXP. DATE: 09/30/21
APPROVED BY:
M. Todd Broussard, PRINCIPAL C.E. DATE
R.C.E. NO. C57164 EXP. DATE: 12/31/21

STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
GARFIELD AVENUE
FROM MAIN ST. TO DELAWARE ST.
STA. 10+80 TO STA. 18+00

CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

SHEET NO.
11
OF
14

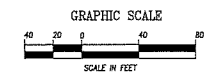


CONSTRUCTION NOTES:

- PROTECT IN PLACE
- REMOVE AND RECONSTRUCT SIDEWALK PER HB STD PLAN 207 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-GRADE FROM WALK TO EXISTING SLOPE, RELOCATING IRRIGATION TO BACK OF NEW WALK, RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT CURB AND GUTTER PER HB STD. PLAN 202 (2' = 8"). (ITEM INCLUDES C&G, SLOT PAVEMENT AND LOT DRAIN.)
- REMOVE AND RECONSTRUCT CURB ACCESS RAMP, DEPRESSIONED CURB, AND GUTTER PER CALTRANS STD PLAN RSP ABRA FROM BOR TO EOP. (CASE SHOWN ON PLAN). (INCLUDES ALL APPURTENANCES, CURB GUTTER, DEPRESSIONED CURB, SIDEWALK, DOWNS, RETAINING CURB, C&G, SLOT PAVEMENT, AND ALL ITEMS FROM EOP TO BOR NECESSARY TO COMPLETE THE WORK IN PLACE.)
- REMOVE AND RECONSTRUCT RESIDENTIAL DRIVEWAY APPROACH PER HB STD. PLAN 209 AND MODIFIED TO THICKNESS OF 8" WITH HIGH EARLY STRENGTH CONCRETE PER SPECIFICATIONS. ("W" PER PLAN) (ITEM INCLUDES ALL APPURTENANCES, DEPRESSIONED CURB & GUTTER, CURVE BLENDING, RETAINING CURB, SLOT PAVE, ETC.)
- REMOVE AND RECONSTRUCT CONCRETE CURB AND CROSS GUTTER PER HB STD. PLAN 205. (INCLUDES SLOT PAVEMENT, C&G, AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.17" FROM EXISTING SURFACE.
- COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.50" FROM EXISTING SURFACE.
- CONSTRUCT NEW 0.17" ASPHALT RUBBER HOT MIX ARHM-GG-C PG 64-16 WET PROCESS OVERLAY.
- CONSTRUCT NEW 0.17" B-P 64-16 A.C. BASE COURSE OVER 19% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17" ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.17" TO ZERO FROM HINGE POINT SHOWN ON PLANS TO GUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
- CONSTRUCT NEW 0.50" B-P 64-16 A.C. BASE COURSE OVER 19% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17" ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.50" TO 0.17" FROM HINGE POINT SHOWN ON PLANS TO GUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
- REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HB STD. PLAN 612.
- FURNISH AND INSTALL COMPOSITE SLOW DRAIN MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD. PLAN 307(B).
- FURNISH AND INSTALL COMPOSITE SEWER MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD. PLAN 513(B).
- INSTALL NEW OCSD MANHOLE FRAME AND COVER AND ADJUST TO GRADE PER OCSD STD. PLANS S-353, S-354, AND S-355. CONTRACTOR TO COORDINATE WITH OCSD CONSTRUCTION INSPECTOR DAN CHEVROT AT (714) 430-4180 TO CONFORM MATERIAL, RECEIPT AND ENSURE MATERIALS AND WORK MEET OCSD MANHOLE FRAME AND COVER ADJUSTMENT STANDARDS.
- ADJUST NATURAL GAS VALVE COVER TO GRADE BY 50 CAL GAS. CONTRACTOR TO COORDINATE WITH ISAC PLUMBER AT (714) 634-7222. (ALLOWANCE)
- INSTALL NEW DETECTOR LOOPS PER CITY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF TRAFFIC SIGNALS AND LIVING SYSTEMS. 2005 EDITION. SPICE LOOPS TO BE IN PULLBOX. ALL LOOPS AT LIMIT LINE SHALL BE TYPE "D". ALL BIKER LANE LOOPS SHALL BE TYPE "D".
- ESTABLISHED AND/OR PERPETUATED POINT OF CONTROL FROM EXISTING PROVIDED RECORD INFORMATION INCLUDED IN PROJECT SPECIFICATIONS OR IN POSITION MONUMENT CURRENTLY EXISTS. AT CONCLUSION OF PROJECT MONUMENT SHALL EXIST AT CURRENT FINISHED SURFACE AND HAVE A CORNER RECORD FILED WITH THE ORANGE COUNTY SURVEYOR'S OFFICE, WITH FILED COPY SUBMITTED TO AGENCY, PRECEDING ITS POSITION.
- REPLACE EXISTING MONUMENT WITH A BROOKS 4-TT TRAFFIC BOX OR APPROVED EQUIVALENT (COHEN MARKED SURVEY OR MONUMENT), ADJUSTING TO FINAL FINISHED SURFACE.
- CONSTRUCT CURB ACCESS RAMP PER CALTRANS STD. PLAN RSP ABRA FROM BOR TO EOP, UNLESS NOTED OTHERWISE ON PLAN, USING HORIZONTAL CURB CUTTING MACHINE AS SHOWN ON CURB RAMP DETAIL ON SHEET 6. CASE SHOWN ON PLAN, INCLUDES ALL APPURTENANCES, CURB CUTTING, SIDEWALK, DOWNS, RETAINING CURB AND ALL ITEMS FROM EOP TO BOR NECESSARY TO COMPLETE THE WORK IN PLACE.)
- ADJUST WATER MANHOLE FRAME AND COVER TO GRADE PER HB STD. PLAN 513(B).

LEGEND

- DRIVEWAY R/R
- CONCRETE R/R
- 0.50" COLD MILL
- TREE
- TYPE "D" LOOP DETECTOR
- TYPE "E" LOOP DETECTOR
- TYPE "G" LOOP DETECTOR



CC1595 - GARFIELD - MAIN TO DELAWARE/DWG

Underground Service Alert
Call: TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

REV.	DATE	BY	DESCRIPTION	APPROVED

REFERENCES

DRAWN BY: MO 6/15/2020
DESIGNED BY: GAM 6/15/2020
CHECKED BY: TB 6/15/2020

PREPARED UNDER THE SUPERVISION OF:

Robert M. Morris, P.E.
R.C.E. NO. 087574 EXP. DATE 09/30/21
APPROVED BY:

N. Todd Brown, PRINCIPAL C.E. DATE
R.C.E. NO. 057144 EXP. DATE 12/31/21



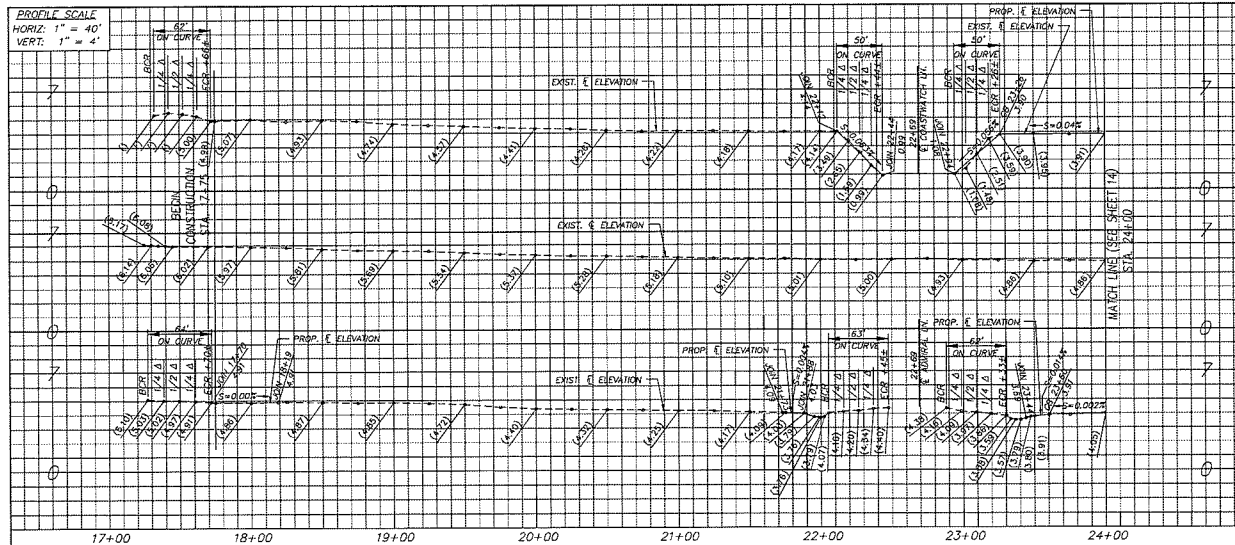
CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
GARFIELD AVENUE
FROM MAIN ST. TO DELAWARE ST.
STA. 16+50 TO STA. 24+45

ARTERIAL REHABILITATION

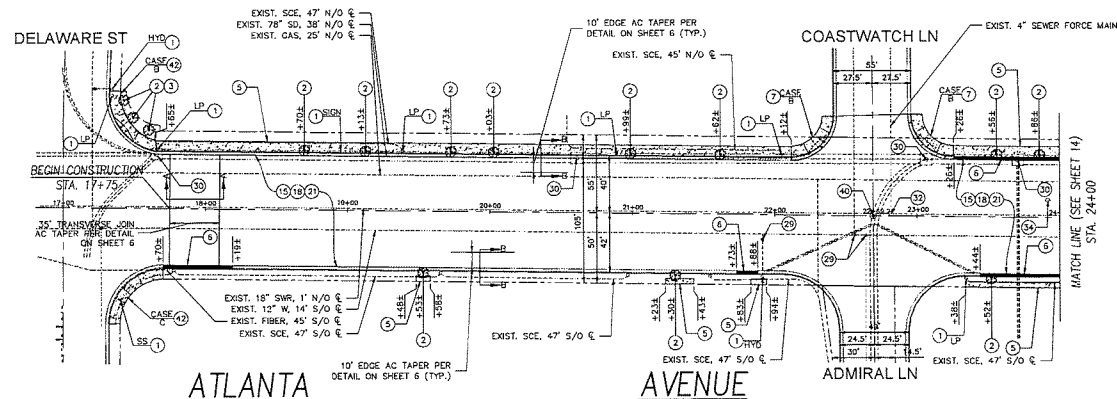
C.C. No. 1595

SHEET NO.
12
OF
14



CONSTRUCTION NOTES:

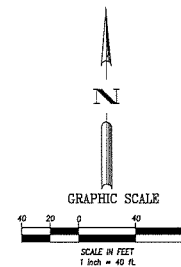
1. PROTECT IN PLACE
2. REMOVE TREE AND ROOTS, GRIND TREE STRAP AND ROOTS TO 24" BELOW TOP OF SIDEWALK/GRADE.
3. PULL OUT ALL ROOTS WITHIN PROPOSED IMPROVEMENTS.
4. FURNISH AND PLANT NEW 24" DBH TREE PER HS STD. PLANS 714, 715, 716, 718 & 719 AS SHOWN ON PLANS. THE TREE LOCATION AND SPECIES SHALL BE DETERMINED BY CITY STREET TREE SUPERVISOR. (ITEM INCLUDES EXISTING LANDSCAPING AND IRRIGATION REMOVAL TO ACCOMMODATE NEW TREE, REPLACEMENT OF IRRIGATION IN KIND, BACKFILLING WITH CLASS A TOP SOIL AND INSTALLATION OF ARBOR-GARD OR APPROVED EQUAL AT BASE OF NEW TREE)
5. REMOVE AND RECONSTRUCT SIDEWALK PER HS STD. PLAN 207 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-CURBS FROM WALK TO EXISTING CURB, RELOCATING IRRIGATION TO BACK OF NEW WALK, RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
6. REMOVE AND RECONSTRUCT CURB AND GUTTER PER HS STD. PLAN 302 (2" - 8"). (ITEM INCLUDES CHS, SLOT PAVEMENT AND LOT DRAIN.)
7. REMOVE AND RECONSTRUCT CURB ACCESS RAMP, DEPRESSIONED CURB, AND GUTTER PER CALTRANS STD. PLAN ROP ASBA FROM BOR TO EOR (CASE SHOWN ON PLANS). (INCLUDES ALL APPURTENANCES, CURB, GUTTER, DEPRESSIONED CURB, SIDEWALK, DOWNS, RETAINING CURB, CHS, SLOT PAVEMENT, AND ALL ITEMS FROM EOR TO BOR NECESSARY TO COMPLETE THE WORK IN PLACE.)
8. COLD MILL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.17' FROM EXISTING SURFACE.
9. CONSTRUCT NEW 0.17' ASPHALT RUBBER HOT MIX ARHM-GG-C PG 64-16 NET PROCESS OVERLAY.
10. CONSTRUCT NEW 0.17' B-PG 64-16 A.C. BASE COURSE OVER 1955 COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.17' TO ZERO FROM THENCE POINT SHOWN ON PLANS TO GUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
11. REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HS STD. PLAN 812.
12. FURNISH AND INSTALL COMPOSITE STORM DRAIN MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HS STD. PLAN 407B.
13. INSTALL NEW OCSD MANHOLE FRAME AND COVER AND ADJUST TO GRADE PER OCSD STD. PLANS S-05A, S-05B, AND S-05C. CONTRACTOR TO COORDINATE WITH OCSD CONSTRUCTION INSPECTOR DAN CHENOTIS AT (714) 430-4180 TO CONFIRM MATERIAL RECEIPT AND ENSURE MATERIALS AND WORK MEET OCSD MANHOLE FRAME AND COVER ADJUSTMENT STANDARDS.
14. ADJUST TELEPHONE VAULT, CABINET OR MANHOLE TO GRADE BY FRONTIER. CONTRACTOR TO COORDINATE WITH RAY ROUNDTREE AT (714) 375-6760. (ALLOWANCE)
15. REPLACE EXISTING MONUMENT WELL WITH A BROOKS 4-11 TRAFFIC BOX OR APPROVED EQUIVALENT (COVER MARKED "SUPPORT OR MONUMENT"), ADJUSTING TO FINAL FINISHED SURFACE.
16. CONSTRUCT CURB ACCESS RAMP PER CALTRANS STD. PLAN ROP ASBA FROM BOR TO EOR, UNLESS NOTED OTHERWISE ON PLAN, USING HORIZONTAL CURB CUTTING MACHINE AS SHOWN ON CURB RAMP DETAIL ON SHEET 6. CASE SHOWN ON PLAN. (INCLUDES ALL APPURTENANCES, CURB CUTTING, SIDEWALK, DOWNS, RETAINING CURB AND ALL ITEMS FROM EOR TO BOR NECESSARY TO COMPLETE THE WORK IN PLACE.)



ALL PLANTINGS SHOWN ON THIS SHEET TO BE 24" BOX WINDMILL PALMS WITH AT LEAST 6" OF BROWN TRUNK

LEGEND

- CONCRETE R/R
- TREE
- TYPE "D" LOOP DETECTOR
- TYPE "E" LOOP DETECTOR
- TYPE "F" LOOP DETECTOR



CC 1595 - ATLANTA FROM DELAWARE TO BEACH.DWG



Underground Service Alert

Call: TOLL FREE
811

TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

REV.	DATE	BY	DESCRIPTION	APPROVED

REFERENCES

DRAWN BY: MD 6/15/2020
DESIGNED BY: GWH 6/15/2020
CHECKED BY: TB 6/15/2020

PREPARED UNDER THE SUPERVISION OF:

Geotril Worley-Morris, P.E. DATE
R.C.E. NO. C57514 EXP. DATE: 08/20/21

APPROVED BY:

M. Todd Broussard, PRINCIPAL C.E. DATE
R.C.E. NO. C57144 EXP. DATE: 12/31/21

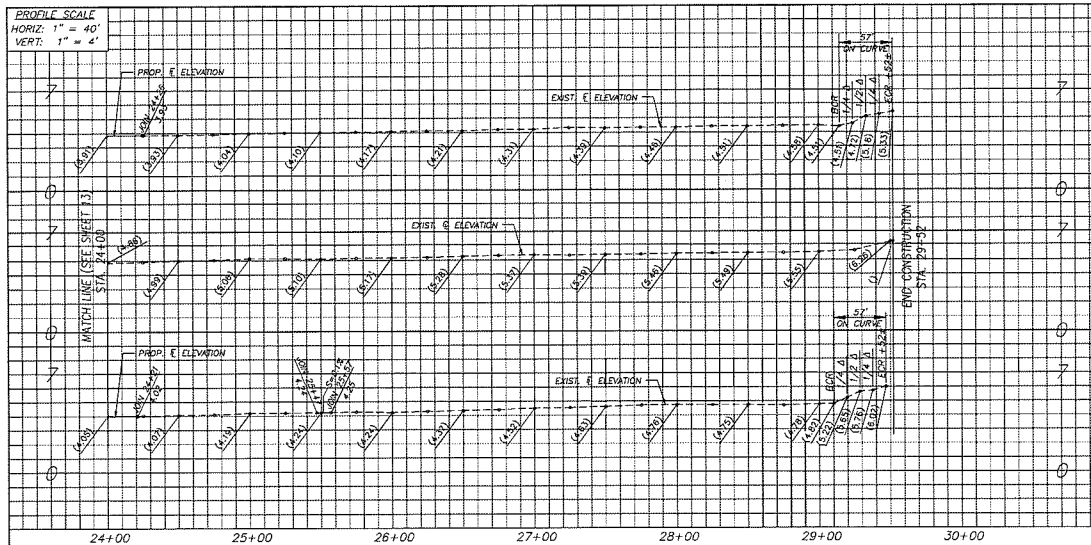


CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
ATLANTA AVENUE
FROM DELAWARE ST. TO BEACH BLVD.
STA. 17+75 TO STA. 24+00

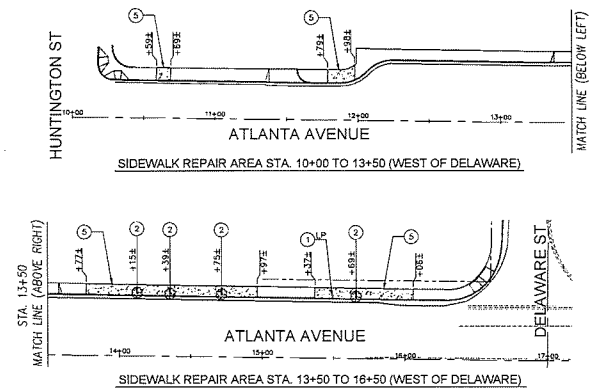
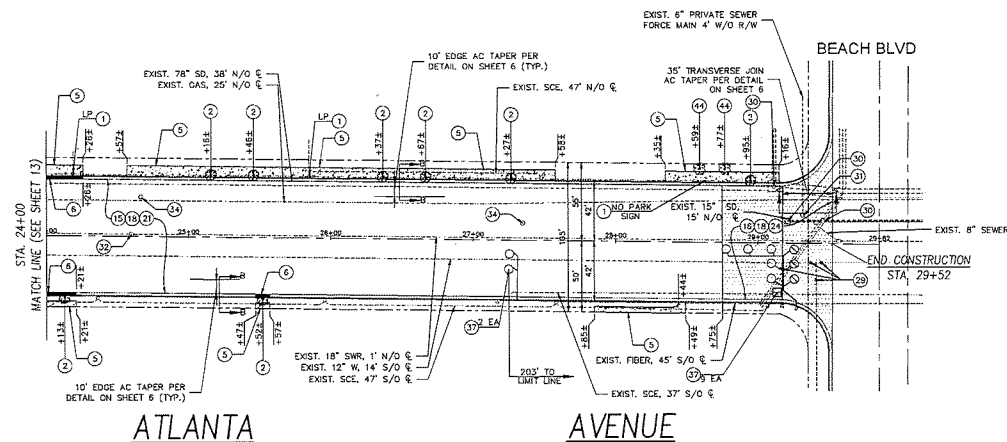
SHEET NO.

13
OF
14



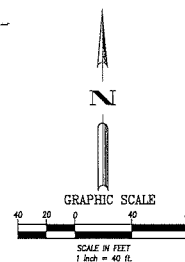
CONSTRUCTION NOTES:

- ① PROTECT IN PLACE
- ② REMOVE TREE AND ROOTS, GRIND TREE STUMP AND ROOTS TO 24" BELOW TOP OF SIDEWALK/GRADE. PULL OUT ALL ROOTS WITHIN PROPOSED IMPROVEMENTS.
- ③ REMOVE AND RECONSTRUCT SIDEWALK PER HB STD PLAN 207 AND AS MODIFIED ON PLANS. (INCLUDES OVER EXCAVATION OR FILL FOR CHANGE IN GRADE, RE-GRADE FROM WALK TO EXISTING SLOPE, RELOCATING IRRIGATION TO BACK OF NEW WALK, RETURN LANDSCAPING TO PRE-CONSTRUCTION CONDITION AND ALL ITEMS NECESSARY TO COMPLETE THE WORK IN PLACE.)
- ④ REMOVE AND RECONSTRUCT CURB AND GUTTER PER HB STD. PLAN 202 (OF = 8"). (ITEM INCLUDES GAB, SLOT PAVEMENT AND LOT DRAIN.)
- ⑤ COLD WALL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.17' FROM EXISTING SURFACE.
- ⑥ COLD WALL EXISTING A.C. PAVEMENT TO A DEPTH OF 0.34' FROM EXISTING SURFACE.
- ⑦ CONSTRUCT NEW 0.17' ASPHALT RUBBER HOT MIX ARHM-00-C PG 64-16 NET PROCESS OVERLAY.
- ⑧ CONSTRUCT NEW 0.17' B-PC 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.17' TO ZERO FROM HINGE POINT SHOWN ON PLANS TO CUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
- ⑨ CONSTRUCT NEW 0.33' B-PC 64-16 A.C. BASE COURSE OVER 95% COMPACTED SUBGRADE OR EXISTING ASPHALT SECTION PRIOR TO PLACING 0.17' ARHM OVERLAY. TAPER ASPHALT THICKNESS FROM 0.33' TO 0.16' FROM HINGE POINT SHOWN ON PLANS TO CUTTER OR TRANSVERSE JOIN PER PLAN AND DETAILS ON SHEET 6.
- ⑩ REPLACE WATER VALVE BOX ASSEMBLY AND ADJUST TO GRADE PER HB STD PLAN 812.
- ⑪ FURNISH AND INSTALL COMPOSITE SEWER DRAIN MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD PLAN 307(b).
- ⑫ FURNISH AND INSTALL COMPOSITE SEWER MANHOLE FRAME AND COMPOSITE COVER AND ADJUST TO GRADE PER HB STD PLAN 510(b).
- ⑬ INSTALL NEW OCCD MANHOLE FRAME AND COVER AND ADJUST TO GRADE PER OCCD STD. PLANS 9-053, 9-054, AND 9-055. CONTRACTOR TO COORDINATE WITH OCCD CONSTRUCTION INSPECTOR (IAN CHENWOT) AT (714) 430-4180 TO CONFIRM MATERIAL RECEIPT AND ENSURE MATERIALS AND WORK MEET OCCD MANHOLE FRAME AND COVER ADJUSTMENT STANDARDS.
- ⑭ ADJUST TELEPHONE VAULT, CABINET OR MANHOLE TO GRADE BY FRONTIER CONTRACTOR TO COORDINATE WITH RAY BOUNDTREE AT (714) 375-6760. (ALLOWANCE)
- ⑮ INSTALL NEW DETECTOR LOOPS PER CITY STANDARD SPECIAL PROVISIONS FOR THE CONSTRUCTION OF RAYCO SIGNALS AND LIGHTING SYSTEMS. 2005 EDITION. SPICE LOOPS TO BE IN POLYBOLL. ALL LOOPS AT LIMIT LINE SHALL BE TYPE "S". ALL BIKE LANE LOOPS SHALL BE 50'S TYPE "Q".
- ⑯ REMOVE ROOTS PRESENT UNDER PROPOSED SIDEWALK SECTION TO ALLOW FOR CONSTRUCTION OF NEW SIDEWALK SECTION.



LEGEND

- CONCRETE R/R
- 0.34' COLD MILL
- TREE
- TYPE "Q" LOOP DETECTOR
- TYPE "S" LOOP DETECTOR
- TYPE "Y" LOOP DETECTOR



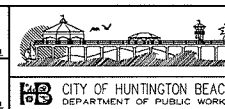
CC 1595 - ATLANTA FROM DELAWARE TO BEACH.DWG



PREPARED UNDER THE SUPERVISION OF:

Gabriel M. Morris, P.E. DATE: 6/15/2020
R.C.G. NO. C02144 EXP. DATE: 09/30/21

APPROVED BY:

M. Todd Broussard, PRINCIPAL C.E. DATE: 6/15/2020
R.C.G. NO. C02144 EXP. DATE: 09/30/21

STREET IMPROVEMENT PLAN
ARTERIAL REHABILITATION
ATLANTA AVENUE
FROM DELAWARE ST. TO BEACH BLVD.
STA. 24+00 TO STA. 29+52

SHEET NO.
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OF
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TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'D

REFERENCES

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DESIGNED BY: CMM 6/15/2020
CHECKED BY: TB 6/15/2020