

CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS
GLEN MAR FRONTAGE ROAD IMPROVEMENTS

GENERAL NOTES:

- 1. 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.
- 2. POTHOLING REQUIRED FOR UTILITIES SHOWN OR NOT SHOWN SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COST FOR THE POTHOLING REQUIRED SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
- 3. 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.
- 4. 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 THE JOB SITE.
- 5. A PRE-CONSTRUCTION MEETING SHALL BE HELD A MINIMUM OF 48 HOURS PRIOR TO THE COMMENCING OF WORK.
- 6. THE CONTRACTOR SHALL NOTIFY PUBLIC WORKS @ (714) 536-5431, A MINIMUM OF 5 WORKING DAYS PRIOR TO THE START OF CONSTRUCTION AND 48 HOURS IN ADVANCE FOR PROJECT INSPECTION.
- 7. STOCKPILING OF REMOVAL MATERIAL WILL NOT BE ALLOWED IN OR AROUND THE PROJECT SITE.
- 8. 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.

NPDES GENERAL NOTES:

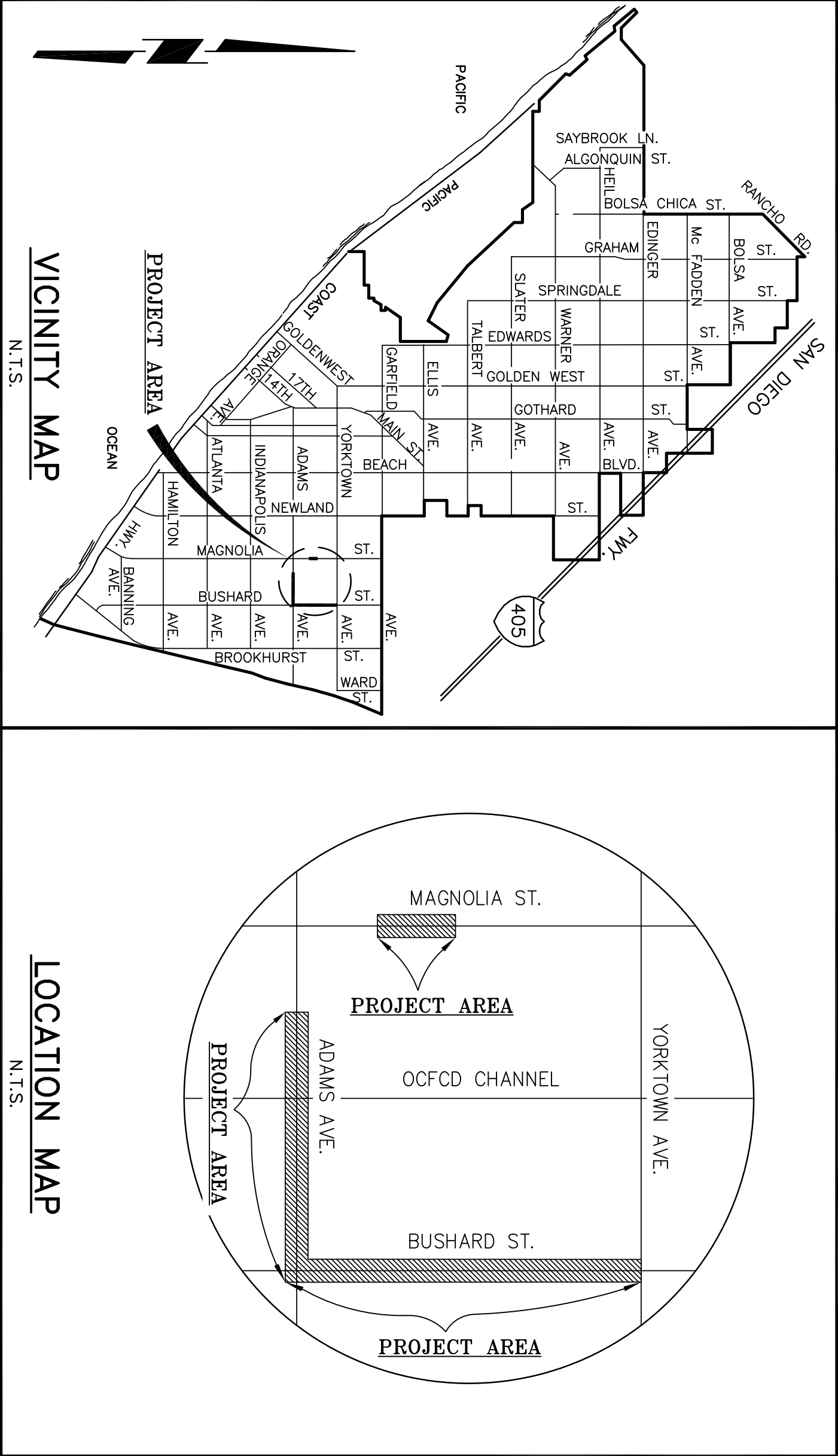
- 1. SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING INDUSTRY ACCEPTED BEST MANAGEMENT PRACTICES (BMPs). THESE BMPs SHALL BE INSTALLED PRIOR TO ANY CONSTRUCTION ACTIVITY SUCH AS GRADING, EROSION CONTROL, OR DRAINAGE. THESE BMPs SHALL BE MAINTAINED THROUGH THE ENTIRETY OF THE PROJECT OR UNTIL ALL LOOSE SEDIMENT HAS BEEN STABILIZED.
- 2. 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 6 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.
- 3. 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.
- 4. 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.
- 5. 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 CONCRETE SLURRY FROM SAW-CUTTING IS TO BE RECOVERED IMMEDIATELY AND NOT ALLOWED TO DRY INTO RESIDUE/STAIN. ALL SAW-CUTTING ACTIVITIES SHALL BE CONDUCTED BY A TWO-PERSON TEAM WITH ONE PERSON CUTTING AND THE SECOND ACCUMULATING THE SLURRY INTO A CONTAINER OR STORM DRAIN INLET WITHIN 10 MINUTES OF COMPLETION OF THE CUTTING WORKING AREA. MUST BE PROTECTED PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES AND SHALL BE REMOVED IF GREATER THAN 40% CHANCE OF RAIN IS PREDICTED.
- 6. 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 STAGNO AREAS.
- 7. 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.
- 8. 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.
- 9. 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.
- 10. ALL TEMPORARY PORTABLE RESTROOMS MUST HAVE A CATCHMENT PAN AND MUST BE LOCATED AT LEAST 50 FEET AWAY FROM ANY STORM DRAIN INLETS.
- 11. 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 EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; WASTES FROM STREET CLEANING; AND SUPER-CHLORINATED POTABLE WATER FROM LINE FLUSHINGS AND TESTING.
- 12. 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.
- 13. 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 POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
- 14. DISCHARGES OF STORM WATER FROM CONSTRUCTION SITES SHALL NOT BE LOADED WITH SEDIMENT. ALL STORM WATER DISCHARGES MUST BE RELATIVELY FREE OF SEDIMENT.
- 15. 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.

GLEN MAR TRACT FRONTAGE ROADS
ADAMS AVE, BUSHARD ST, MAGNOLIA ST
C.C. No. 1688

APPROVED:

SEAN CRUMBY, P.E.
DIRECTOR OF PUBLIC WORKS

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 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.

SHEET NO.	SHEET INDEX
1	TITLE SHEET
2	IMPROVEMENT PLAN – ADAMS AVENUE
3	IMPROVEMENT PLAN – BUSHARD STREET
4	IMPROVEMENT PLAN AND DETAILS – MAGNOLIA STREET

CONSTRUCTION NOTES:

QTY

- 1. PROTECT IN PLACE
- 2. REMOVE TREE AND ROOTS, GRIND TREE STUMP AND ROOTS TO 24" BELOW TOP OF SIDEWALK/GRADE.
- 3. FINISH AND PLANT NEW 24" BOX TREE, GRAPE, WATTLE – LARGEST/STURDIEST INDICA, PER HB STD. PLANS 714, 715, 716, 718 & 719 AS SHOWN ON PLANS. 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. CONSTRUCT NEW 6"x6" CONCRETE MOW STRIP PER DETAIL ON SHEET 4.
- 5. REMOVE EXISTING PLASTER AND FOOTING, CONSTRUCT NEW PLASTER PER TYPICAL NEW PLASTER DETAIL ON SHEET 4. RELOCATING PLASTER THEN ADD BACKFILL AS REQUIRED TO MATCH FINISHED GRADE IN PLACE OF OLD FOOTING.
- 6. REMOVE EXISTING PLASTER PER TYPICAL EXISTING PLASTER RENOVATION DETAIL ON SHEET 4.
- 7. CONSTRUCT NEW PLASTER AND FOOTING PER TYPICAL NEW PLASTER DETAIL ON SHEET 4.
- 8. PROTECT PLASTER IN PLACE AND REMOVE EXISTING CAP, CONSTRUCT NEW CAP PER TYPICAL EXISTING PLASTER RENOVATION DETAIL ON SHEET 4 TO COMPLETE PLASTER IMPROVEMENTS.
- 9. DEMOLISH AND REMOVE ROW WALL FROM EXISTING PLASTER, PROJECT PLASTER IN PLACE OR RECONSTRUCT AS NECESSARY BASED ON CONDITION OF STRUCTURE.
- 10. REMOVE EXISTING FENCE STRUCTURE WHERE PRESENT, CONSTRUCT NEW FENCE PER TYPICAL FENCING DETAIL ON SHEET 4.
- 11. EXISTING PLASTER, FOOTINGS, AND FENCING MATERIALS TO BE PERMANENTLY REMOVED, ADD BACKFILL AS REQUIRED TO MATCH FINISHED GRADE.
- 12. DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT.
- 13. INSTALL CS-2 ARBORUM MULCH TO A MINIMUM DEPTH OF 2";
- 14. INSTALL KUBIAKA GROUNDCOVER MATERIAL AS SOD.
- 15. CONSTRUCT SIDEWALK PER HB STD. PLAN 207.
- 16. REMOVE EXISTING ENTRANCE SIGN (INCLUDES OF SIGN REMOVAL, REFINISHING SURFACE, ETC.) PER TYPICAL ENTRANCE SIGN DETAIL ON SHEET 4, RENOVATED MONUMENT SIGN TO MATCH THOSE AT LOCATIONS WHERE IMPROVEMENTS HAVE BEEN COMPLETED.
- 17. DEMOLISH PORTION OF IRRIGATION SUPPLY LINE UPSTREAM OF WATER METER, CONSTRUCT NEW IRRIGATION SUPPLY LINE AND TIE IN TO EXISTING WATER METER.
- 18. INSTALL NEW MASTER VALVE, BACKFLOW DEVICE, AND FLOW SENSOR PER CITY STD. PLAN 706, AT THE LOCATION SHOWN ON PLANS. CONTRACTOR TO VERIFY WITH CITY LANDSCAPE SUPERVISOR IF OTHER APPLICANCES ARE REQUIRED FOR THIS APPLICATION.
- 19. CONSTRUCT NEW IRRIGATION MAIN SUPPLY LINE WITH IN-LINE TEE FOR DUAL ZONE SERVICE TO BOTH NEW FRONTAGE ROAD LANDSCAPING AND EXISTING MEDIAN IRRIGATION, CONSTRUCT NEW IRRIGATION LINE CROSSING ADAMS AVE TO SERVICE EXISTING MEDIAN IRRIGATION, CONSTRUCT NEW IRRIGATION LINE ALONG FRONTAGE ROAD.
- 20. INSTALL NEW IRRIGATION LATERAL LINES, CONTROL VALVES, AND SPRINKLER HEADS AS NEEDED PER LANDSCAPE STD. PLAN 706.
- 21. INSTALL NEW ELECTRICAL AND CONTROL WIRING WITH ALL NECESSARY APPLICANCES, AS REQUIRED FOR DUAL ZONE IRRIGATION, PER LANDSCAPE STD. PLAN 706.
- 22. SALVAGE AND CONNECT INTO EXISTING ELECTRICAL AND CONTROL WIRING FOR MEDIAN IRRIGATION.
- 23. DEMOLISH AND REMOVE EXISTING BACKFLOW DEVICE LOCATED ON STREET MEDIAN, CONSTRUCT NEW IRRIGATION SUPPLY LINE TO TIE IN TO EXISTING LINE IN PLACE OF OLD BACKFLOW DEVICE.
- 24. DEMOLISH AND REMOVE EXISTING IRRIGATION CONTROLLER CABINET, CONSTRUCT NEW CS3000 CONTROLLER CABINET PER LANDSCAPE STD. PLAN 706, CONTRACTOR TO COORDINATE WITH CITY LANDSCAPE SUPERVISOR ON SET-UP OF DUAL ZONE IRRIGATION.
- 25. TRIM EXISTING OVERGROWN TREE BACK.



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TWO WORKING DAYS BEFORE YOU DIG

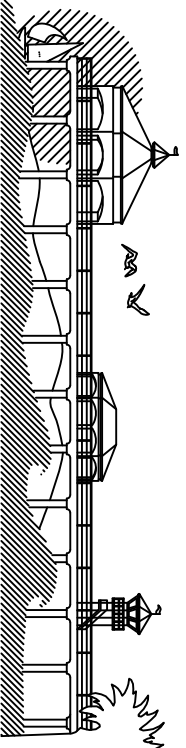
Underground Service Alert

REVIEWS

REFERENCES

CITY ENGINEER:

PREPARED UNDER THE SUPERVISION OF:



CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

TITLE SHEET

GLEN MAR FRONTAGE ROAD

ADAMS AVE, BUSHARD ST, MAGNOLIA ST

SHEET NO.

1

OF

4

REV. DATE BY DESCRIPTION APP'D

Thomas M. Hermal, P.E. DATE R.C.E. NO.: CS5300 EXP. DATE: 06/30/23

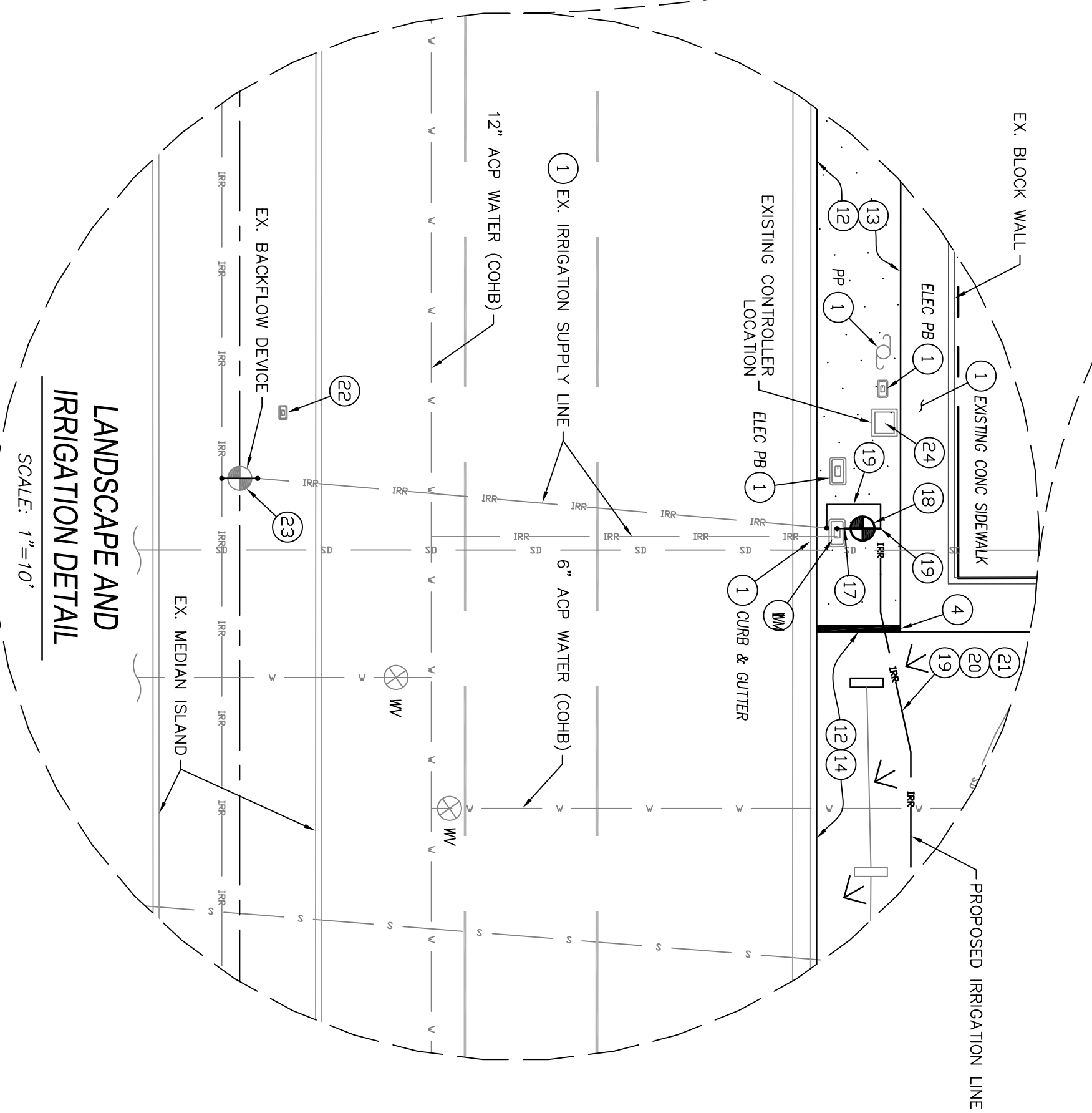
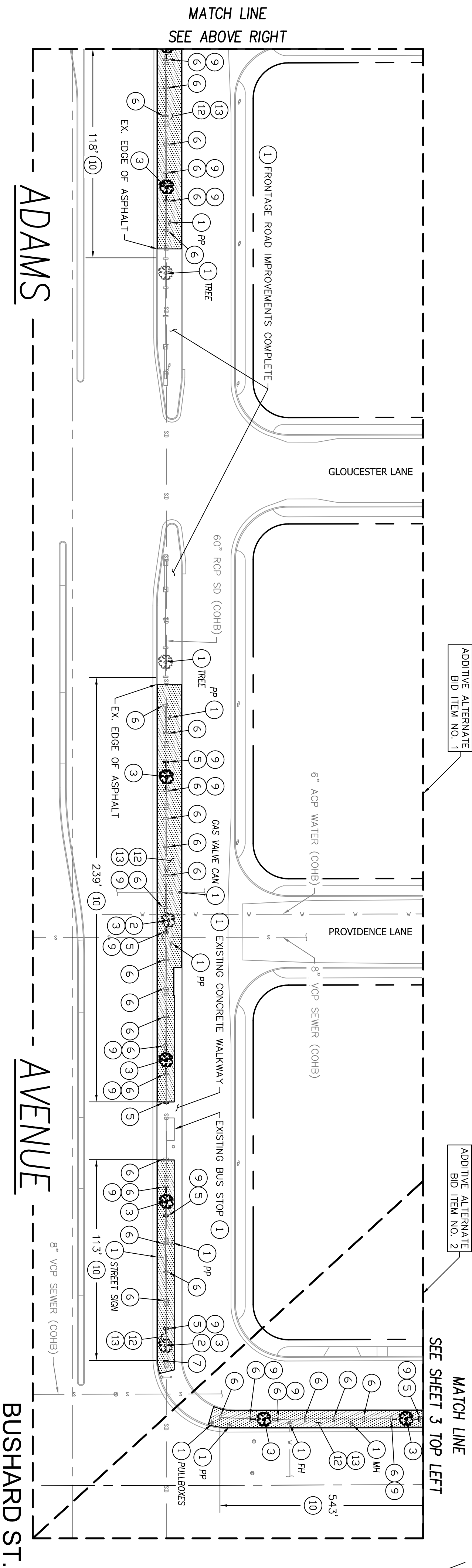
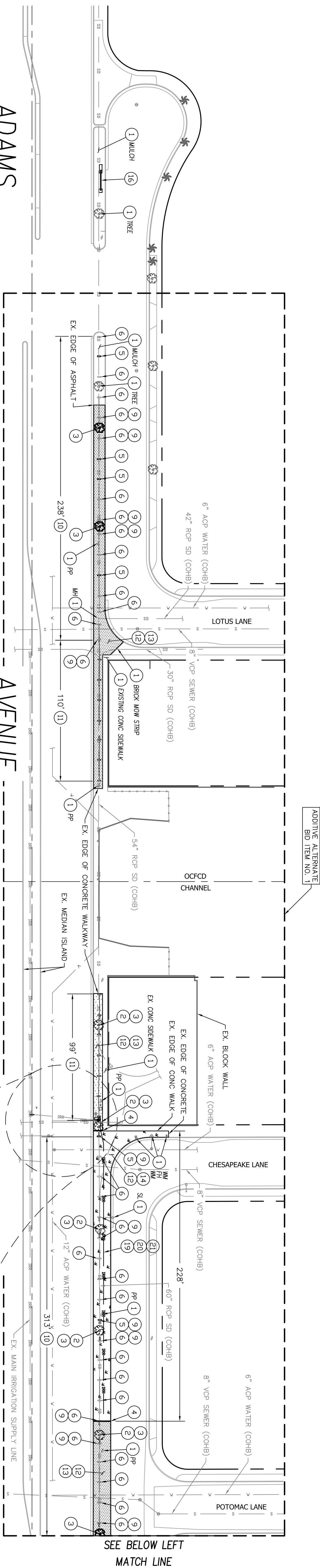
Brian Palumbo, C.A. DATE R.C.E. NO.: EXP. DATE:

Julian Torres, Landscape Supervisor DATE R.C.E. NO.: EXP. DATE:

DRAWN BY: 10/31/22

DESIGNED BY: 10/31/22

CHECKED BY: 10/31/22





- CONSTRUCTION NOTES:

- 1 PROTECT IN PLACE.
- 2 REMOVE TREE AND ROOTS, GRIND TREE STUMP AND ROOTS TO 24" BELOW TOP OF SIDEWALK/SRADE.
PULL OUT ALL ROOTS WITHIN PROPOSED IMPROVEMENTS.
- 3 FURNISH AND PLANT NEW 24" BOX TREE, GRAPE WHITE – LAGASTROEDIA MONICA, PER HS STD. PLANTS
714, 715, 716, 718, & 719 AS SHOWN ON PLANS. (ITEM INCLUDES EXISTING LANDSCAPING AND IRRIGATION
REMOVAL TO ACCOMMODATE NEW TREE, PER LACEMENT OF IRRIGATION IN ROW). BACKFILL WITH CLASS A
TOP SOIL AND INSTALLATION OF ARBO-R-GARD OR APPROVED EQUIV. AT BASE OF NEW TREE).
- 4 CONSTRUCT NEW 6'-6" CONCRETE MON STRIP PER DETAIL ON SHEET 4.
- 5 REMOVE EXISTING PLASTER AND FOOTING, CONSTRUCT NEW PLASTER PER TYPICAL, NEW PLASTER
DETAIL ON SHEET 4. IF RELOCATING PLASTER THEN ADD BACKFILL AS REQUIRED TO MATCH FINISHED
GRADE IN PLACE OF OLD FOOTING.
- 6 RENOVATE EXISTING PLASTER PER TYPICAL EXISTING PLASTER RENOVATION DETAIL ON SHEET 4.
- 7 CONSTRUCT NEW PLASTER AND FOOTING PER TYPICAL, NEW PLASTER DETAIL ON SHEET 4.
- 9 DEMOLISH AND REMOVE POXY WALL FROM EXISTING PLASTER, PROTECT PLASTER IN PLACE.
RECONSTRUCT AS NECESSARY BASED ON CONDITION OF STRUCTURE.
- 10 REMOVE EXISTING FENCE STRUCTURE WHERE PRESENT. CONSTRUCT NEW FENCE PER TYPICAL FENCING
DETAIL ON SHEET 4.
- 11 EXISTING PLASTERS, FOOTINGS, AND FENCING MATERIALS TO BE PERMANENTLY REMOVED. ADD BACKFILL
AS REQUIRED TO MATCH FINISHED GRADE.
- 12 DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT.
- 13 INSTALL ES-2 AGROMIX MULCH TO A MINIMUM DEPTH OF 28".
- 14 INSTALL KURAPPA GROUNDCOVER MATERIAL AS STD.
- 16 RENOVATE EXISTING ENTRANCE SIGN (INCLUDING SIGN REVISION, REFINISHING SURFACE, ETC.) PER
TYPICAL. ENTRANCE SIGN DETAIL ON SHEET 4. RENOVATED MONUMENT SIGN TO MATCH THOSE AT
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- 17 DEMOLISH PORTION OF IRRIGATION SUPPLY LINE UPSTREAM OF WATER METER. CONSTRUCT NEW
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- 18 INSTALL NEW MASTER VALVE, BACKFLOW DEVICE, AND FLOW SENSOR PER CITY STD. PLAN 706. AT THE
LOCATION SHOWN ON PLANS, CONTRACTOR TO VERIFY WITH CITY LANDSCAPE SUPERVISOR IF OTHER
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- 19 CONSTRUCT NEW IRRIGATION MAIN SUPPLY LINE WITH IN-LINE TEE FOR DUAL ZONE SERVICE TO BOTH
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- 20 INSTALL NEW IRRIGATION LATERAL LINES, CONTROL VALVES, AND SPRINKLER HEADS AS NEEDED PER
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FOR DUAL ZONE IRRIGATION, PER LANDSCAPE STD. PLAN 706.
- 22 SALVAGE AND CONNECT INTO EXISTING ELECTRICAL AND CONTROL WIRING FOR MEDIAN IRRIGATION.
- 23 DEMOLISH AND REMOVE EXISTING BACKFLOW DEVICE LOCATED ON STREET MEDIAN. CONSTRUCT NEW
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- 24 DEMOLISH AND REMOVE EXISTING IRRIGATION CONTROLLER CABINET. CONSTRUCT NEW CESSPOOL
CONTROLLER CABINET PER LANDSCAPE STD. PLAN 706. CONTRACTOR TO COORDINATE WITH CITY
LANDSCAPE SUPERVISOR ON SET-UP OF DUAL ZONE IRRIGATION.

- (16) RENOVATE EXISTING ENTRANCE SIGN (INCLUDING OF SIGN RENOVATION, REFINISHING SURFACE, ETC.) PER LOCATION SIGN DETAIL ON SHEET 4. RENOVATED MONUMENT SIGN TO MATCH THOSE AT LOCATIONS WHERE IMPROVEMENTS HAVE BEEN COMPLETED.
- (17) DEMOLISH PORTION OF IRRIGATION SUPPLY LINE UPSTREAM OF WATER METER. CONSTRUCT NEW IRRIGATION SUPPLY LINE AND TIE IN TO EXISTING WATER METER.
- (18) INSTALL NEW MASTER VALVE, BACKFLOW DEVICE, AND FLOW SENSOR PER CITY STD. PLAN 706. AT THE LOCATION SHOWN ON PLANS, CONTRACTOR TO VERIFY WITH CITY LANDSCAPE SUPERVISOR IF OTHER APPLICANCES ARE REQUIRED FOR THIS APPLICATION.
- (19) CONSTRUCT NEW IRRIGATION MAIN SUPPLY LINE WITH IN-LINE TEE FOR DUAL ZONE SERVICE TO BOTH NEW FRONTAGE ROAD LANDSCAPING AND EXISTING MEDIAN LANDSCAPING. TIE-IN TO EXISTING IRRIGATION LINE CROSSING ADJACENT TO SERVICE EXISTING MEDIAN IRRIGATION. CONSTRUCT NEW IRRIGATION LINE ALONG FRONTAGE ROAD.
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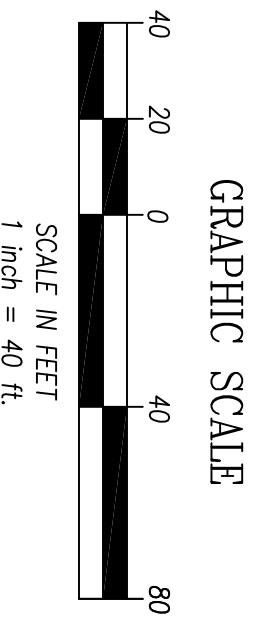
LEGEND

ABBREVIATIONS


PROPOSED MULCH
 PROPOSED NATURAL
 GROUND COVER
 TREE

HY = FIRE HYDRANT	FL = FLOW LINE
CB = CATCH BASIN	CE = CENTER LINE
	(TYP.) = TYPICAL
EX. = EXISTING	W/O = WEST OF
ABAND. = ABANDONED	E/O = EAST OF
LP = LIGHT POLE	N/O = NORTH OF
PP = POWER POLE	S/O = SOUTH OF
SL. = STREET LIGHT	R = RADIOS
MH = MANHOLE	
WM = WATER METER	
WV = WATER VALVE	



Underground Service Alert

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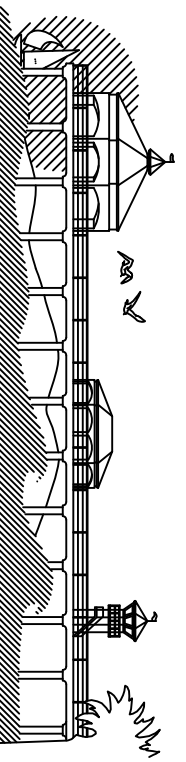
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TWO WORKING DAYS BEFORE YOU DIG

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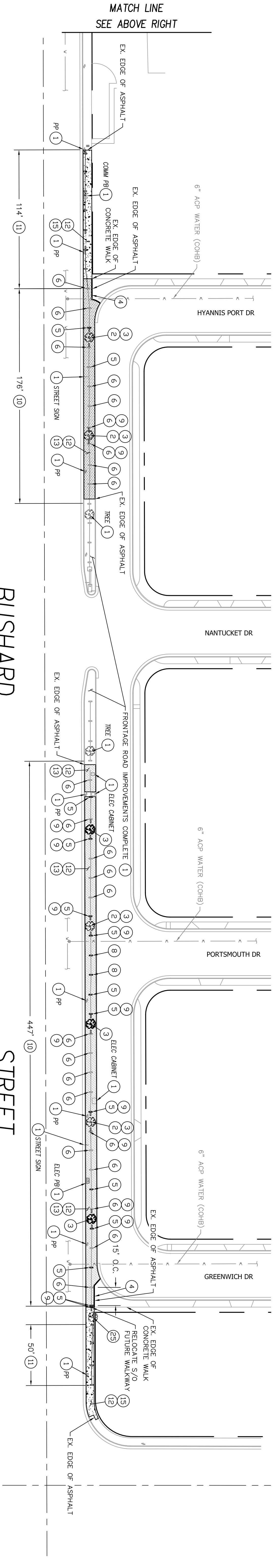
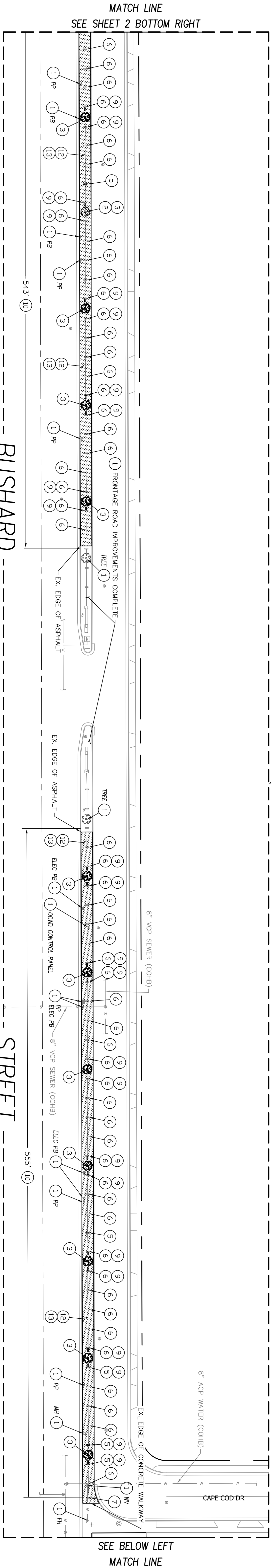
PREPARED UNDER THE SUPERVISION OF:		Brian Polivka, C.A. R.C.E. NO.: _____ EXP. DATE: _____ APPROVED BY: _____	
DRAWN BY: MAM DESIGNED BY: MAM CHECKED BY: BP	10/31/22 10/31/22 10/31/22	Julian Torres, Landscape Supervisor DATE: _____ R.C.E. NO.: _____ EXP. DATE: _____	



CITY OF HUNTINGTON BEACH
DEPARTMENT OF PUBLIC WORKS

IMPROVEMENT PLAN
GLEN MAR FRONTAGE ROAD
ADAMS AVENUE

ADDING ALTERNATE
BID ITEM NO. 2

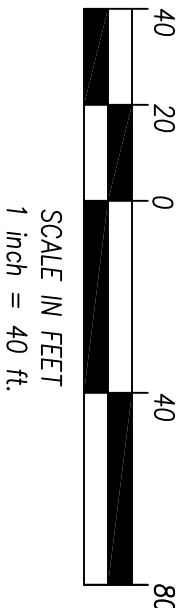


CONSTRUCTION NOTES:

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. FURNISH AND PLANT NEW 24" BOX TREE, ORANGE MYRTLE -- LAGERSTROEMIA INDICA PER HB STD. PLANS 714, 715, 716, 718, & 719 AS SHOWN ON PLANS. (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. CONSTRUCT NEW 6"x6" CONCRETE MOW STRIP PER DETAIL ON SHEET 4.
5. REMOVE EXISTING PLASTER AND FOOTING, CONSTRUCT NEW PLASTER PER TYPICAL NEW PLASTER DETAIL ON SHEET 4. IF RELOCATING PLASTER THEN ADD BACKFILL AS REQUIRED TO MATCH FINISHED GRADE IN PLACE OF OLD FOOTING.
6. RENOVATE EXISTING PLASTER PER TYPICAL EXISTING PLASTER RENOVATION DETAIL ON SHEET 4.
7. CONSTRUCT NEW PLASTER AND FOOTING PER TYPICAL NEW PLASTER DETAIL ON SHEET 4.
8. PROTECT PLASTER IN PLACE AND REMOVE EXISTING CAP, CONSTRUCT NEW CAP PER TYPICAL EXISTING PLASTER RENOVATION DETAIL ON SHEET 4 TO COMPLETE PLASTER IMPROVEMENTS.
9. DEMOLISH AND REMOVE PONY WALL FROM EXISTING PLASTER, PROTECT PLASTER IN PLACE. RECONSTRUCT AS NECESSARY BASED ON CONDITION OF STRUCTURE.
10. REMOVE EXISTING FENCE STRUCTURE WHERE PRESENT, CONSTRUCT NEW FENCE PER TYPICAL FENCING DETAIL ON SHEET 4.
11. EXISTING PLASTERS, FOOTINGS, AND FENCING MATERIALS TO BE PERMANENTLY REMOVED, ADD BACKFILL AS REQUIRED TO MATCH FINISHED GRADE.
12. DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT.
13. INSTALL ES-2 AGRICULTURAL MULCH TO A MINIMUM DEPTH OF 24".
15. CONSTRUCT SIDEWALK PER HB STD. PLAN 207.
25. TRIM EXISTING OVERGROWN TREE BACK.



GRAPHIC SCALE



Underground Service Alert

Call: TOLL FREE

811



TWO WORKING DAYS BEFORE YOU DIG

REVISIONS

REV.	DATE	BY	DESCRIPTION	APP'D.

REFERENCES

PREPARED UNDER THE SUPERVISION OF:

Brian Polanco, C.A.

R.C.E. NO.:

EXP. DATE:

DATE

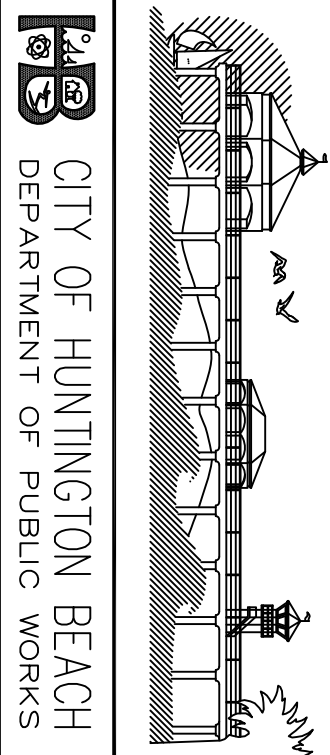
APPROVED BY:

Julian Torres, Landscape Supervisor

R.C.E. NO.:

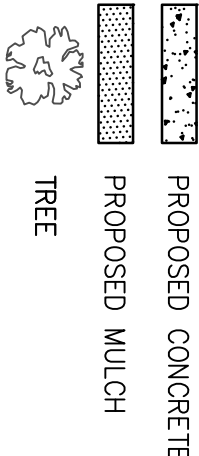
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IMPROVEMENT PLAN
GLEN MAR FRONTAGE ROAD
BUSHARD STREET

LEGEND



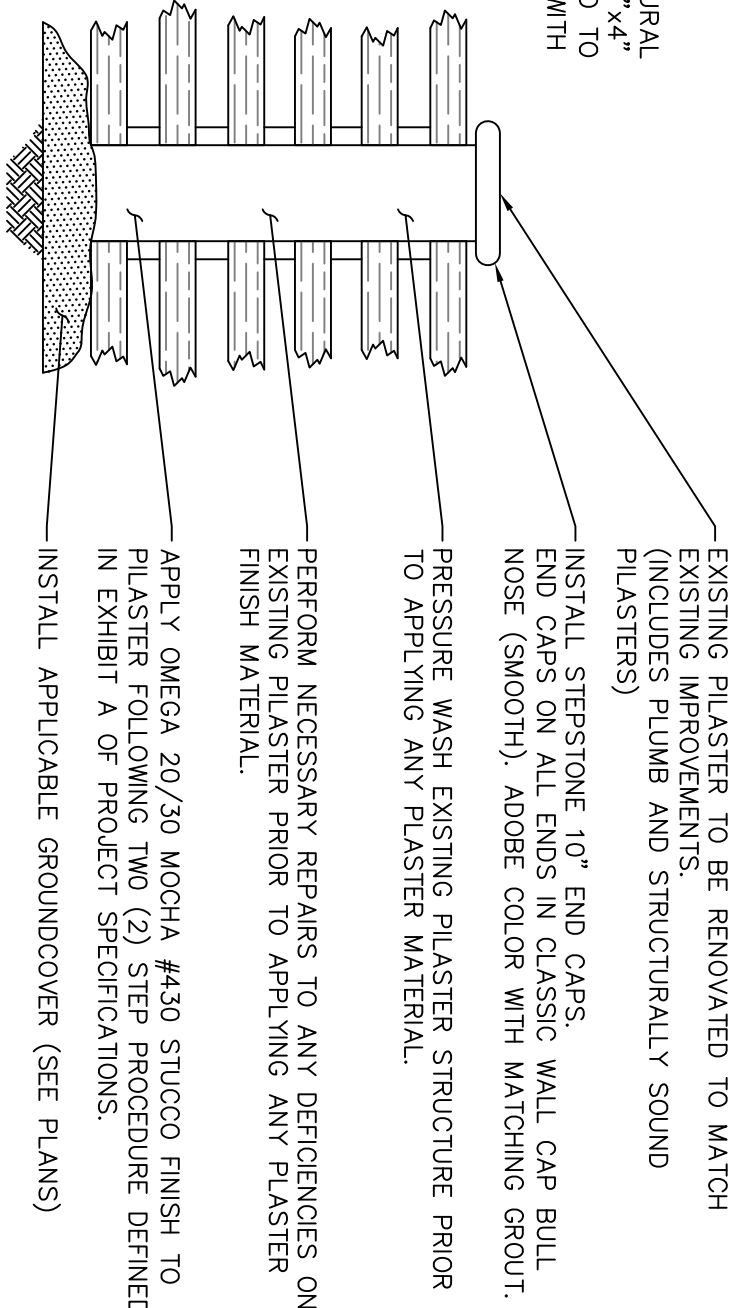
ABBREVIATIONS

HYD = FIRE HYDRANT
CB = CATCH BASIN
EX. = EXISTING
ABAND. = ABANDONED
BGR = BEGIN CURB RETURN
ECR = END CURB RETURN
LP = LIGHT POLE
PP = POWER POLE
SL = STREET LIGHT
MH = MANHOLE
WM = WATER METER
WV = WATER VALVE

ℓ = FLOW LINE
℄ = CENTER LINE
(TYP.) = TYPICAL
W/O = WEST OF
E/O = EAST OF
N/O = NORTH OF
S/O = SOUTH OF
R = RADUS

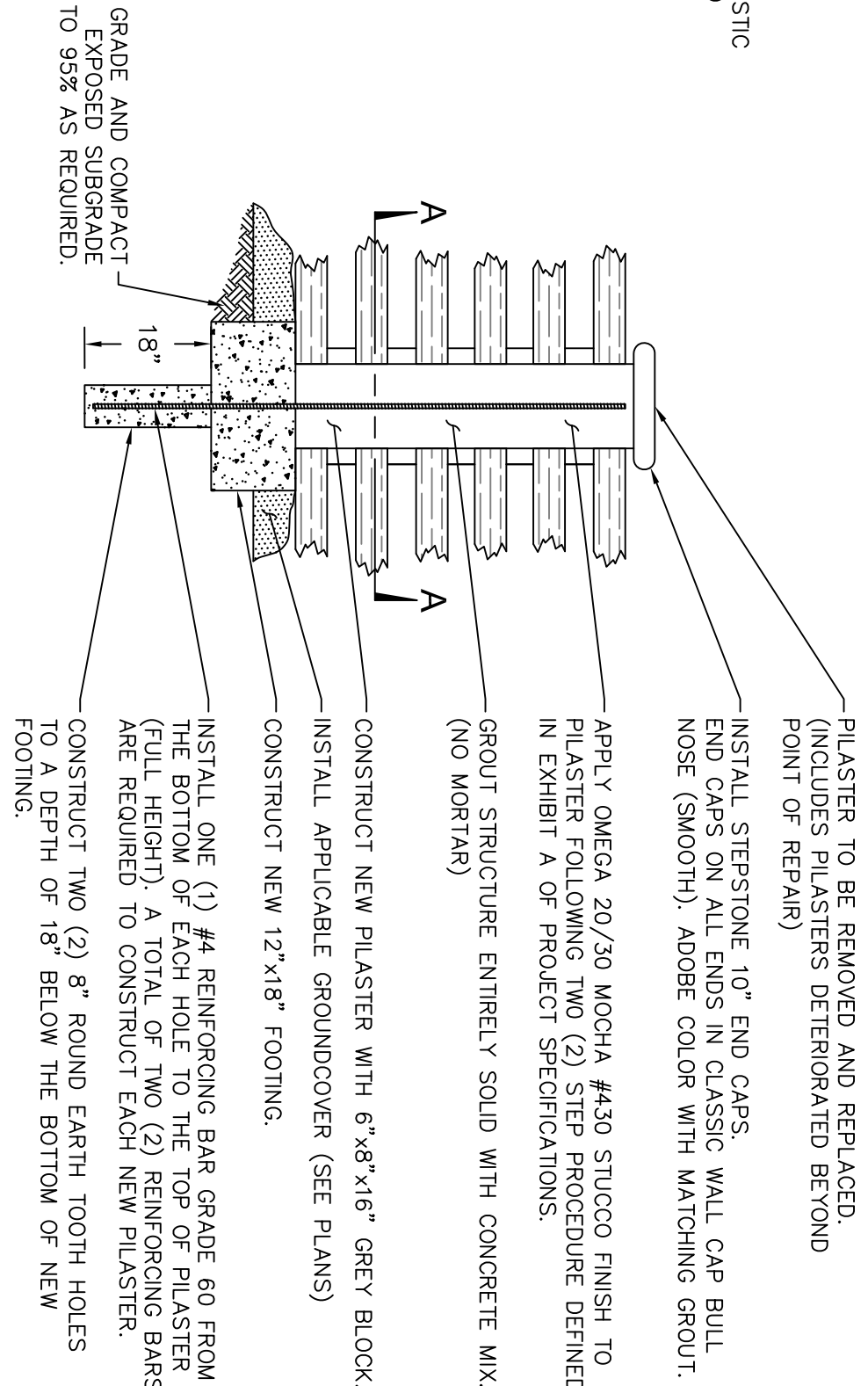
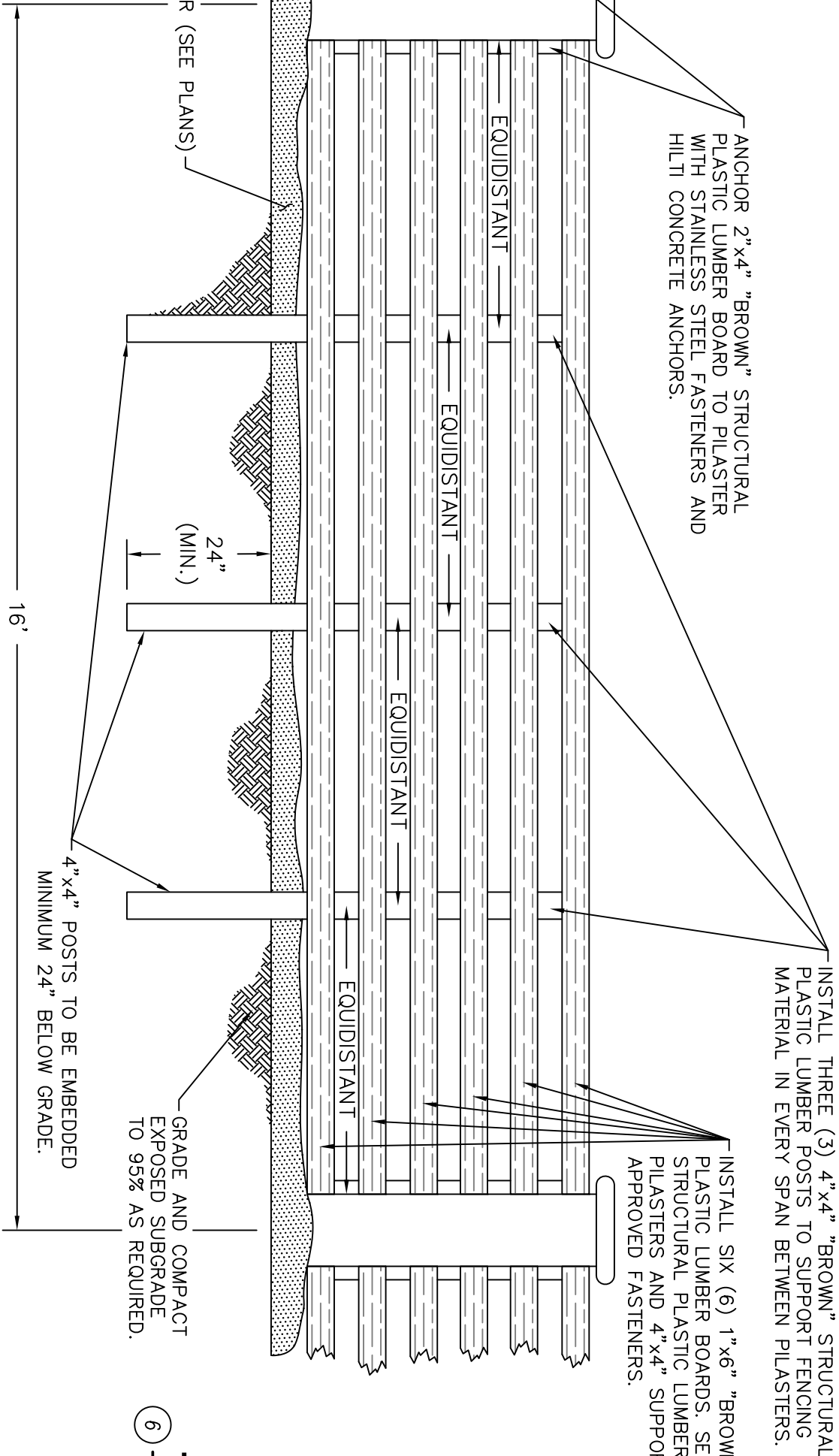
TYPICAL EXISTING PILASTER RENOVATION DETAIL

N.T.S.



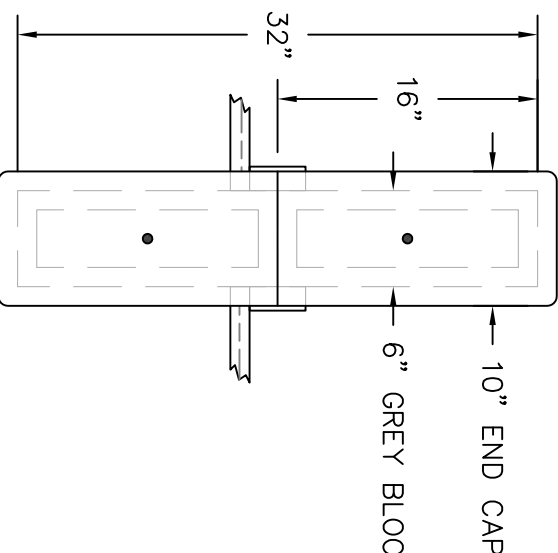
TYPICAL NEW FENCING DETAIL

N.T.S.



TYPICAL NEW PILASTER DETAIL

N.T.S.



SECTION AAA

N.T.S.

LEGEND

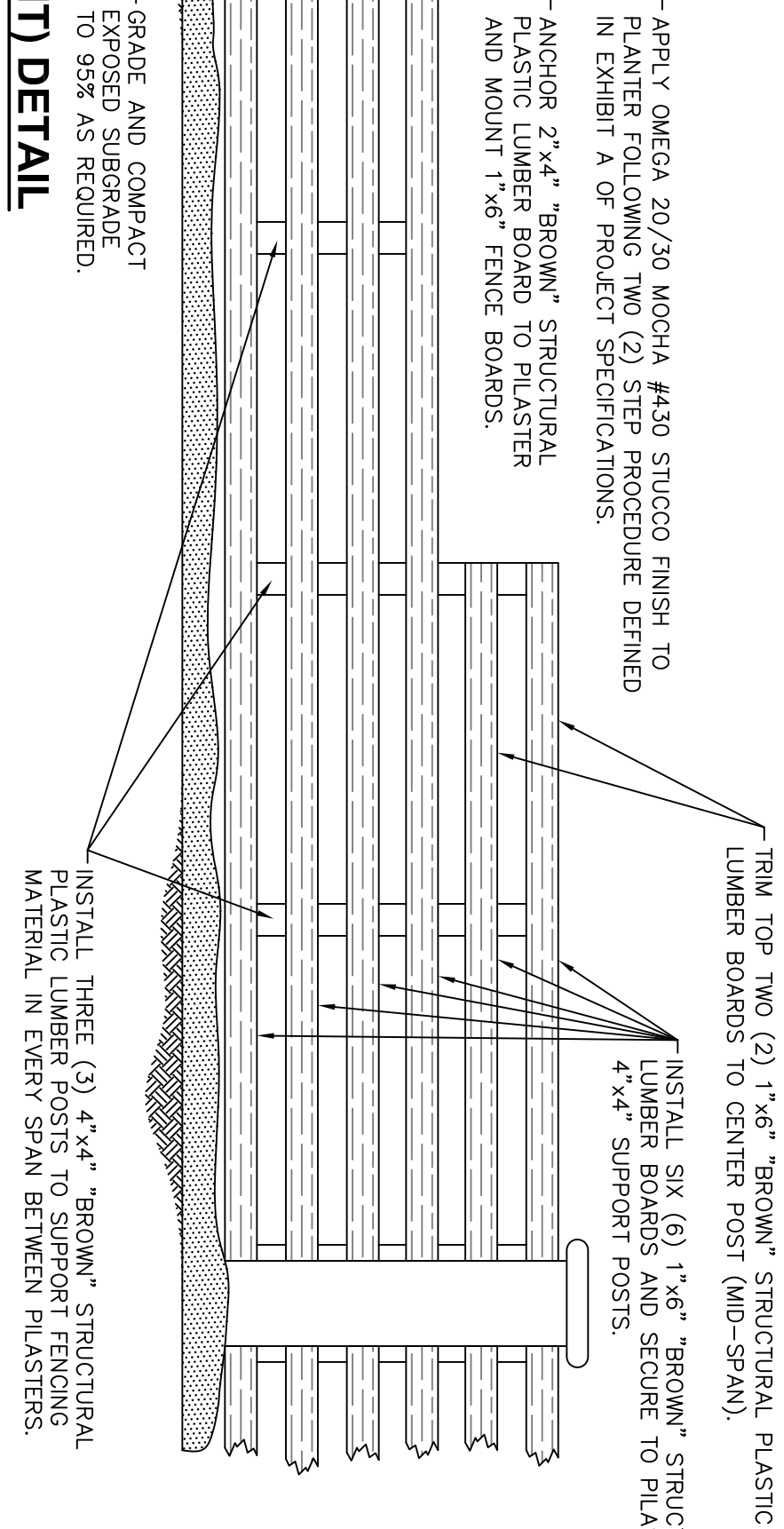
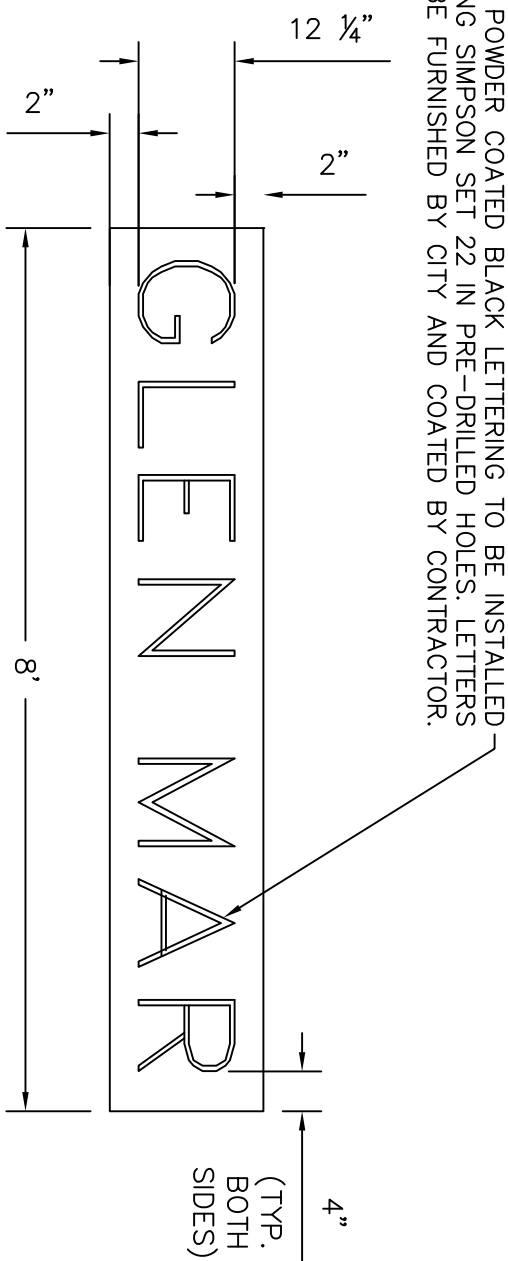


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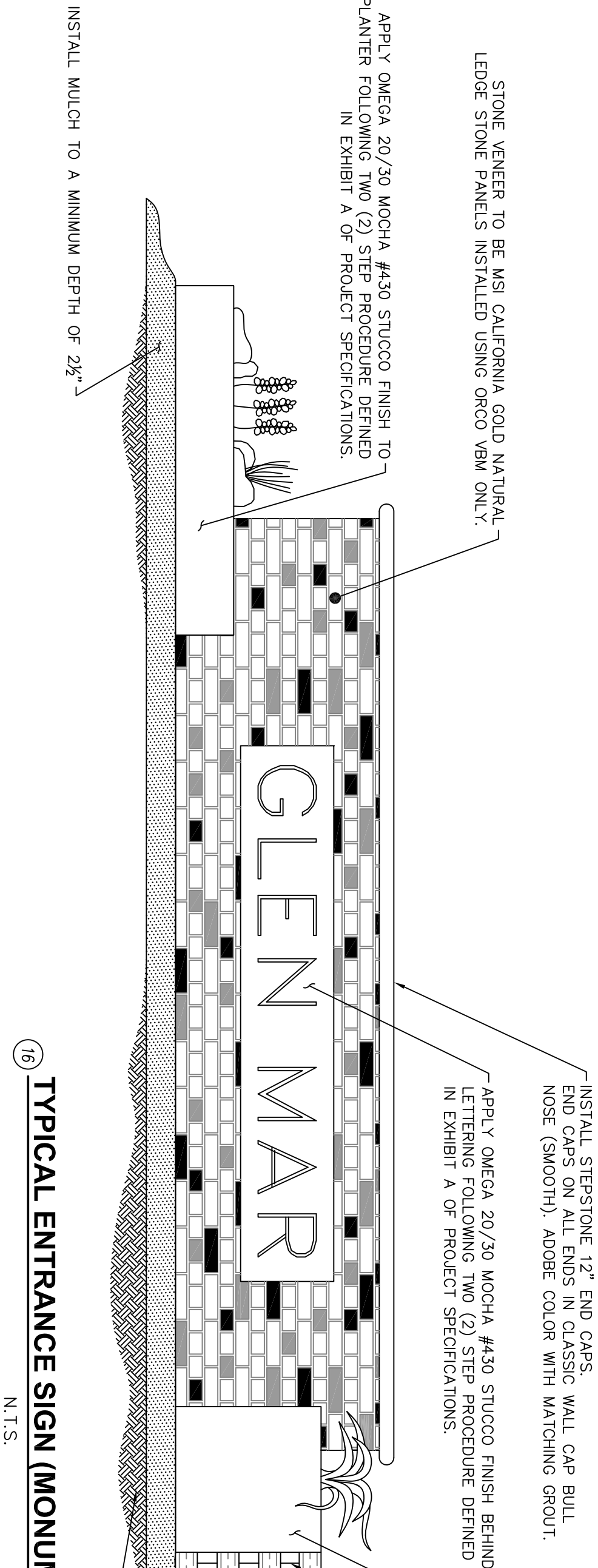
TYPICAL ENTRANCE SIGN (MONUMENT) LETTERING DETAIL

N.T.S.



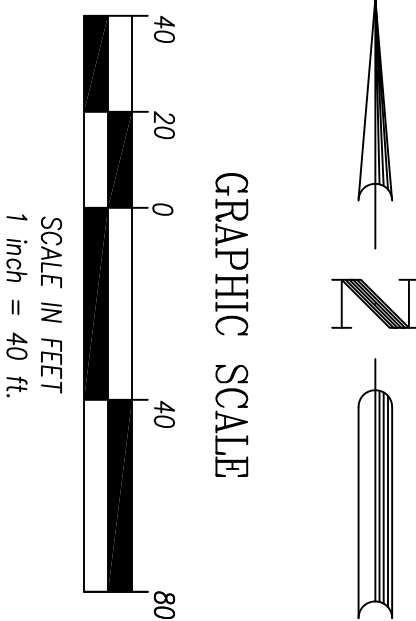
TYPICAL ENTRANCE SIGN (MONUMENT) DETAIL

N.T.S.



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. FURNISH AND PLANT NEW 24" BOX TREE, ORANGE MYRTLE - LAGERSTROEMIA INKCA, PER HG STD. PLANS 714, 715, 716, 718, & 719 AS SHOWN ON PLANS. (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).
6. RENOVATE EXISTING PLASTER PER TYPICAL EXISTING PLASTER RENOVATION DETAIL ON SHEET 4.
9. DEMOLISH AND REMOVE PONY WALL FROM EXISTING PILASTER. PROTECT PLASTER IN PLACE. RECONSTRUCT AS NECESSARY BASED ON CONDITION OF STRUCTURE.
10. REMOVE EXISTING FENCE STRUCTURE WHERE PRESENT. CONSTRUCT NEW FENCE PER TYPICAL FENCING DETAIL ON SHEET 4.
12. DEMOLISH AND REMOVE EXISTING ASPHALT PAVEMENT.
13. INSTALL ES-2 AGGRIUM MULCH TO A MINIMUM DEPTH OF 24".
16. RENOVATE EXISTING ENTRANCE SIGN (INCLUDES OF SIGN RENOVATION, REFINISHING SURFACE, ETC.) PER TYPICAL ENTRANCE SIGN DETAIL ON SHEET 4. RENOVATED MONUMENT SIGN TO MATCH THOSE AT LOCATIONS WHERE IMPROVEMENTS HAVE BEEN COMPLETED.

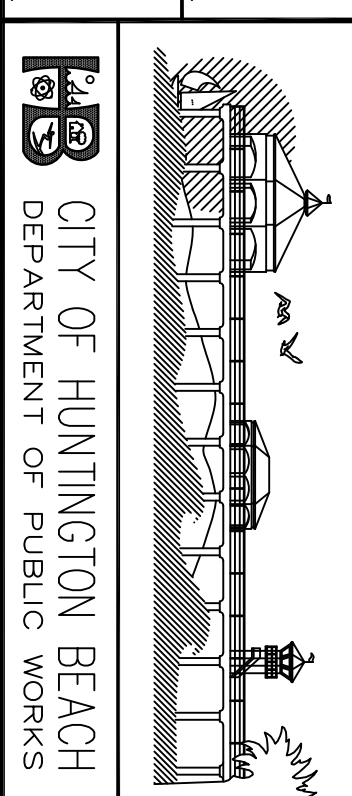


Underground Service Alert
Call: TOLL FREE
811
TWO WORKING DAYS BEFORE YOU DIG

REV.	DATE	BY	DESCRIPTION

REVISED	DATE	BY	DESCRIPTION

DRAWN BY:	YAM	10/21/22
DESIGNED BY:	YAM	10/21/22
CHECKED BY:	BP	10/21/22
APPROVED BY:		
DATE:		



IMPROVEMENT PLAN AND DETAILS
GLEN MAR FRONTAGE ROAD
MAGNOLIA STREET