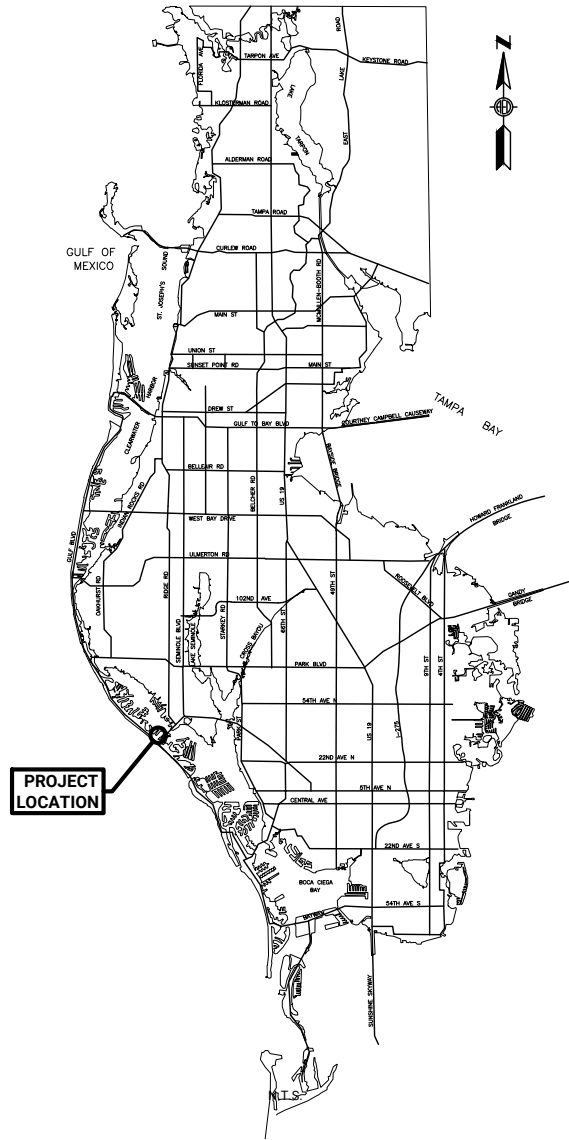
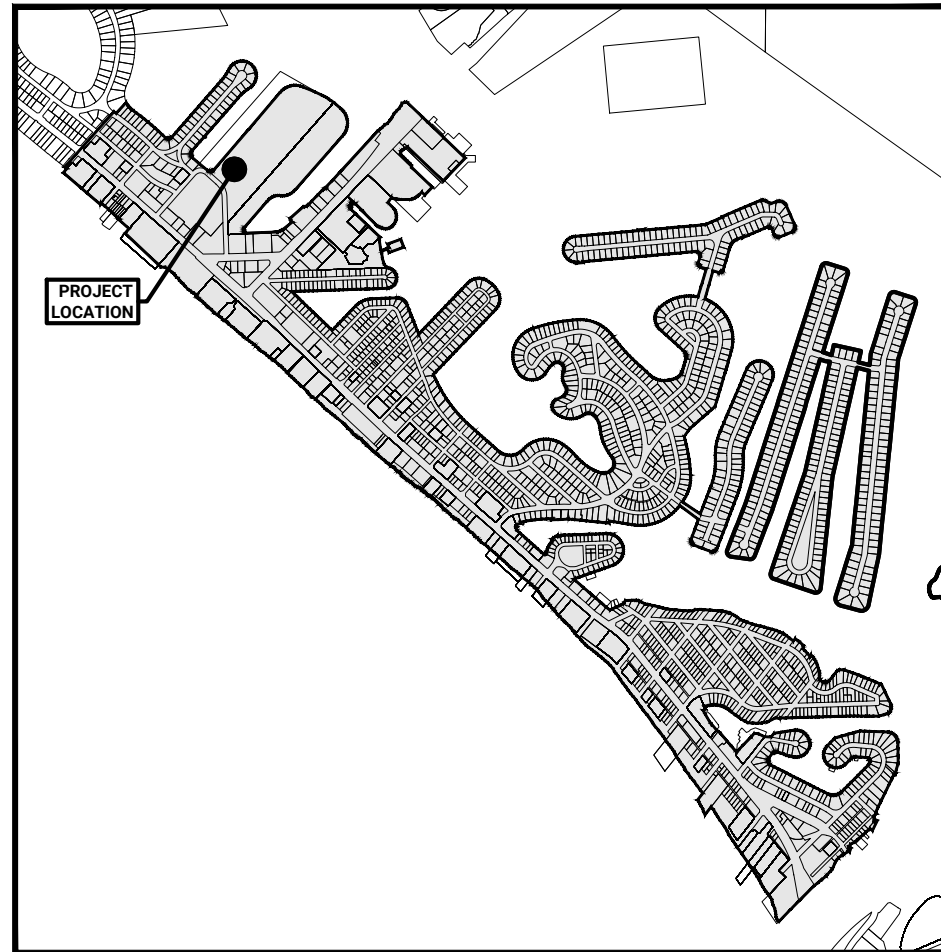


CONSTRUCTION PLANS FOR:
FIRE STATION 25 DRIVEWAY PARKING

SECTION 9, TOWNSHIP 31 SOUTH, RANGE 15 EAST
 PINELLAS COUNTY, FLORIDA



VICINITY MAP



LOCATION MAP
 N.T.S.

DRAWING INDEX	
DWG. NO.	SHEET TITLE
C1	COVER PAGE
C2	GENERAL NOTES & LEGENDS
C3	DEMOLITION & EROSION CONTROL PLAN
C4	SITE PLAN, PAVING GRADING & DRAINAGE PLAN
C5	GENERAL DETAILS

CONSTRUCTION PLANS

 INVESTIGATE BEFORE YOU EXCAVATE
CALL LOCAL PUBLIC UTILITY NOTIFICATION CENTER
 TOLL FREE
 1-800-432-4770
 MIN. 48 HOURS BEFORE YOU EXCAVATE



PREPARED FOR:
CITY OF MADEIRA BEACH
 300 MUNICIPAL DR, MADEIRA BEACH, FL 33708

Prepared By:
ADVANCED
 ENGINEERING & DESIGN, INC.
3931 68th Avenue North • Pinellas Park, FL 33781 • Phone: 727.526.9158 • Fax: 727.527.9683 • www.aed-fl.com

[Carlos Peralta] [5.21.2024] m:\public\madeira beach\24.mb-12 (fs drive parking)\cadd\current\MB-12_C1.dwg

[Carlos Peralta] [5.21.2024] m:\public\madeira beach\24.mb-12 (fs drive parking)\cadd\current\WB-12_C2.dwg

GENERAL NOTES:

- ANY PROPERTY MONUMENTS WITHIN THE LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF ANY ARE DISTURBED, CONTRACTOR SHALL BE RESPONSIBLE FOR RESETTING.
- LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE BEEN INSTALLED AND CONSTRUCTED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING HIS WORK (WHETHER OR NOT SHOWN ON THE PLANS).
- ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER NONDESTRUCTIVE INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THERE MAY BE SOME UTILITY CONFLICTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT (INCLUDING TEMPORARY SUPPORT) ANY AND ALL EXISTING UTILITIES ON THIS PROJECT AS REQUIRED.
- FIELD CONDITIONS MAY NECESSITATE SLIGHT ALIGNMENT AND/OR GRADE DEVIATIONS FROM THOSE WHICH ARE INDICATED ON THE PLANS. ANY DEVIATIONS OR ADJUSTMENTS SHALL FIRST BE APPROVED BY THE ENGINEER BEFORE BEING PERFORMED.
- THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ORDER TO PERMIT THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION. CONTACT UTILITIES NOTIFICATION CENTER AT 1-800-432-4770.
- CONTRACTOR SHALL MAINTAIN A CLEAR PATH FOR ALL SURFACE WATER DRAINAGE STRUCTURES AND DITCHES DURING ALL PHASES OF CONSTRUCTION.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICTS BETWEEN DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED.
- ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY SURVEY WORK INCLUDING, BUT NOT LIMITED TO, CONSTRUCTION STAKEOUT & RECORD DRAWING PREPARATION.
- ALL ROADWAYS AND OPEN RIGHT-OF-WAY AREAS MUST BE CLEANED OF DIRT, DEBRIS AND CONSTRUCTION MATERIALS BY THE END OF EACH WORK SHIFT. ALL CONSTRUCTION AREAS MUST BE SAFELY DELINEATED TO AVOID ACCIDENTS WHILE THE CONTRACTOR IS NOT PRESENT. OVERALL CLEAN UP SHALL BE ACCOMPLISHED BY THE CONTRACTOR IN ACCORDANCE WITH CITY STANDARDS AND THE SPECIFICATIONS OR AS DIRECTED BY THE CITY. ANY AND ALL EXPENSES INCURRED FOR THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS.
- THE CONTRACTOR SHALL ENDEAVOR TO PROTECT PRIVATE PROPERTY. ANY DAMAGE CAUSED BY THE CONTRACTOR IN THE PERFORMANCE OF HIS WORK SHALL BE CORRECTED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING. NO PAYMENT SHALL BE MADE FOR THIS WORK.
- THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN SHOWING THE EXPECTED STARTING POINT AND DIRECTION OF CONSTRUCTION. THIS PLAN SHOULD SHOW ALL TEMPORARY FENCING AND BARRICADES NEEDED TO DETOUR THE GENERAL PUBLIC FROM AREAS CLOSED DURING EACH PHASE OF CONSTRUCTION. STAGING AREAS SHALL BE NOTED ON THIS PLAN. THIS PLAN SHALL BE APPROVED BY THE CITY AT LEAST 48 HOURS PRIOR TO MOBILIZING ONSITE.
- THE CONTRACTOR SHALL SOD ALL GRASSED AREAS THAT ARE DISTURBED DURING CONSTRUCTION. EXISTING SODDING SHALL BE REPLACED IN KIND, OR AS NOTED ON PLANS.
- ANY AND ALL CONSTRUCTION MATERIALS, METHODS AND INSTALLATION SHALL BE IN FULL COMPLIANCE WITH THE SPECIFICATIONS.
- PAYMENT FOR INCIDENTAL ITEMS AND WORK NOT SPECIFICALLY LISTED OR INDICATED ON THE PLANS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICES FOR OTHER ITEMS.
- THE CONTRACTOR SHALL FULLY RESTORE ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES.
- EXISTING CONCRETE CURB WHICH IS DISTURBED SHALL BE REPLACED IN-KIND.
- ALL SUBSURFACE CONSTRUCTION SHALL COMPLY WITH THE "FLORIDA TRENCH SAFETY ACT". THE CONTRACTOR SHALL ENSURE THAT THE METHOD OF TRENCH PROTECTION AND CONSTRUCTION IS IN COMPLIANCE WITH ALL OSHA REGULATIONS.
- ALL VALVE BOXES, MANHOLE FRAMES, CLEAN-OUTS, IRRIGATION BOXES, ETC. SHALL BE ADJUSTED TO MATCH FINISHED GRADES. FOR MANHOLE FRAME ADJUSTMENTS, UTILIZE CONCRETE ADJUSTMENT RINGS AS REQUIRED.

- ALL PUBLIC AND PRIVATE IRRIGATION SYSTEMS DISTURBED DURING CONSTRUCTION SHALL BE COMPLETELY RESTORED. CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS NECESSARY TO COMPLETE THE WORK. ANY MODIFICATION TO IRRIGATION SYSTEM MUST BE COORDINATED AND APPROVED BY PARKS AND RECREATION REPRESENTATIVES PRIOR TO DISTURBANCE AND/OR SAID MODIFICATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESTORATION OF ANY AND ALL LANDSCAPE PLANTINGS DISTURBED BY THIS PROJECT, INCLUDING SHRUBS, TREES, PALMS, GROUND COVERS, GRASSES AND MULCH.
- WRITTEN PERMISSION SHALL BE REQUIRED FOR ANY AND ALL AREAS TO BE UTILIZED FOR STAGING AND / OR STORING OF MATERIALS. STAGING AREAS SHALL ALSO BE SHOWN ON THE CONTRACTORS WORK PLAN.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE A HURRICANE PREPARATION PLAN FOR REVIEW AND APPROVAL PRIOR TO COMMENCING CONSTRUCTION.
- CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIALS, CONSTRUCTION DEBRIS AND OTHER WASTE MATERIALS OFFSITE IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS (AT THE CONTRACTORS EXPENSE). ALL BACKFILL SHALL BE FREE OF UNSUITABLE MATERIALS.
- DURING RESTORATION ACTIVITIES, EXISTING GRADES SHALL BE REPLICATED UNLESS STATED OTHERWISE.
- THE CONTRACTOR SHALL ADHERE TO ALL PERMIT CONDITIONS.

- BEARINGS AND DISTANCES ARE MEASURED UNLESS OTHERWISE NOTED.
- BASIS OF BEARING IS GRID NORTH.

EROSION & SEDIMENT CONTROL/DEWATERING NOTES:

- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO USE WHATEVER MEANS NECESSARY TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS DURING CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE EROSION CONTROL/ SEDIMENTATION BARRIERS AS NEEDED TO PREVENT SILT EROSION DUE TO CONSTRUCTION ACTIVITIES. THESE DEVICES SHALL BE INSPECTED AND MAINTAINED ON A DAILY BASIS.
- IF WIND EROSION BECOMES SIGNIFICANT DURING CONSTRUCTION THE CONTRACTOR SHALL STABILIZE THE AFFECTED AREA USING SPRINKLING, IRRIGATION OR OTHER ACCEPTED METHOD.
- IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO PRODUCE A "STORMWATER POLLUTION PREVENTION PLAN" (SWPPP) AND OBTAIN COVERAGE UNDER A "NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM" (NPDES) PERMIT BEFORE CONSTRUCTION PROCEEDS. A "NOTICE OF INTENT" (NOI) FORM SHALL BE COMPLETED AND SUBMITTED TO THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP). A COPY OF THE SUBMITTED SWPPP AND NOI SHALL BE PROVIDED TO THE CITY PRIOR TO THE NOTICE OF COMMENCEMENT. FOR MORE INFORMATION, CONTACT 850-245-7520 OR VISIT THE FOLLOWING WEB SITE: www.dep.fl.us/water/stormwater/npdes/index.htm.
- PRIOR TO THE NOTICE TO PROCEED, THE CONTRACTOR SHALL COMPLETE ILLICIT DISCHARGE, SPILL PREVENTION & SEDIMENT CONTROL TRAINING. AT LEAST ONE PERSON WHO HAS RECEIVED THE TRAINING MUCH BE PRESENT AT THE CONSTRUCTION SITE. THE CONTRACTOR SHALL VIEW A SERIES OF VIDEOS PROVIDED BY THE CITY.





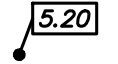
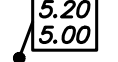
TEMPORARY TRAFFIC NOTES:

- CONTRACTOR SHALL MAINTAIN ACCESS FOR ALL EMERGENCY VEHICLES TO RESIDENTIAL AND COMMERCIAL PROPERTIES AT ALL TIMES.
- THE CONTRACTOR SHALL FURNISH, ERECT AND MAINTAIN ALL NECESSARY TRAFFIC CONTROL AND SAFETY DEVICES, IN ACCORDANCE WITH THE US DOT'S "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE FLORIDA DEPARTMENT OF TRANSPORTATION'S "STANDARD PLANS FOR ROAD CONSTRUCTION".

SURVEY NOTES:

- NOTES:
- NO UNDERGROUND INSTALLATIONS OR IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN.
 - NO INSTRUMENTS OF RECORD REFLECTING EASEMENTS, RIGHT OF WAY AND/OR OWNERSHIP WERE FURNISHED TO THIS SURVEYOR EXCEPT AS SHOWN.
 - THIS SURVEY DOES NOT REFLECT OR DETERMINE OWNERSHIP.
 - USE OF THIS SURVEY BY ANYONE OTHER THAN THOSE PREPARED FOR WILL BE THE RE-USERS SOLE RISK WITHOUT LIABILITY TO THE SURVEYOR.
 - THERE MAY BE ITEMS DRAWN OUT OF SCALE TO GRAPHICALLY SHOW THEIR LOCATION.
 - THE SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A CURRENT TITLE COMMITMENT AND IS SUBJECT TO EASEMENTS, RIGHTS-OF-WAY AND SIMILAR MATTERS OF TITLE.
 - NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.
 - THE HORIZONTAL DATUM IS TIED TO THE FLORIDA STATE PLANE COORDINATE SYSTEM (GRID), WEST ZONE NORTH AMERICAN DATUM 1983, ADJUSTMENT 2011.
 - ELEVATIONS SHOWN HEREON ARE IN FEET AND REFER TO THE NORTH AMERICAN VERTICAL DATUM OF 1988. (N.A.V.D.) REFERENCE BENCHMARK No.1: FPRN
 - THIS SURVEY IS FOR TOPOGRAPHIC PURPOSES AND IS NOT A BOUNDARY SURVEY.

PROPOSED LEGEND:

-  ASPHALT PAVEMENT
-  CONCRETE
-  CURB REPLACEMENT
-  MATCH EXISTING GRADE
-  PROPOSED ELEVATION
-  PROPOSED TOP OF SIDEWALK / BOTTOM OF SIDEWALK ELEVATION

NO.	REVISIONS	BY	DATE

SCALE:	AS SHOWN
DRAWN:	C.A.P.
DESIGNED:	A.E.D.
APPROVED:	J.V.K.

ADVANCED
ENGINEERING & DESIGN, INC.

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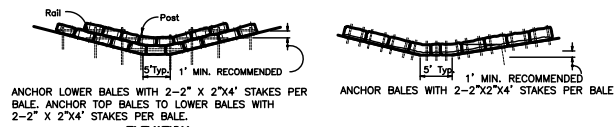
CITY OF MADEIRA BEACH

**FIRE STATION 25 DRIVEWAY
PARKING**

GENERAL NOTES & LEGENDS

DATE:	5/6/24
PROJECT NO:	24.MB-12
SHEET NO:	C2

[Carlos Peralta] [5.21.2024] m:\public\madeira beach\24.mb-12 (fs drive parking)\cadd\current\MB-12_C3.dwg

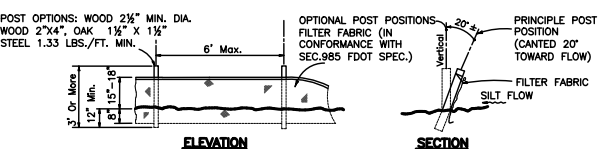


ELEVATION TYPE II
ANCHOR LOWER BALES WITH 2-2" X 2" X 4" STAKES PER BALE. ANCHOR TOP BALES TO LOWER BALES WITH 2-2" X 2" X 4" STAKES PER BALE.

ELEVATION TYPE I
ANCHOR BALES WITH 2-2" X 2" X 4" STAKES PER BALE.

APPLICATION AND SPACING: THE USE OF TYPES I & II BALE BARRIERS SHOULD BE LIMITED TO THE CONDITIONS OUTLINED IN CHART I, SHEET 1 OF 3, INDEX NO. 102 (2010 EDITION).

BARRIER FOR UNPAVED DITCHES

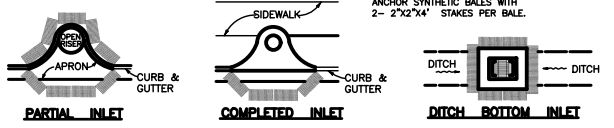


ELEVATION TYPE III
POST OPTIONS: WOOD 2 1/2" MIN. DIA. WOOD 2" X 4", OAK 1 1/2" X 1 1/2" STEEL 1.33 LBS./FT. MIN. 6" Max.

SECTION TYPE III
OPTIONAL POST POSITIONS: FILTER FABRIC (IN CONFORMANCE WITH SEC. 985 FDOT SPEC.) PRINCIPLE POST POSITION (CANTED 20° TOWARD FLOW) FILTER FABRIC SILT FLOW

NOTE: SILT FENCE TO BE PAID FOR UNDER THE EROSION & SEDIMENT CONTROL PAY ITEM.

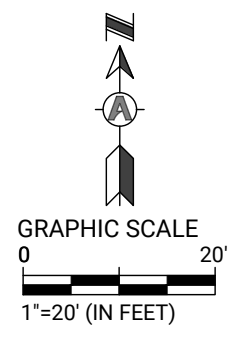
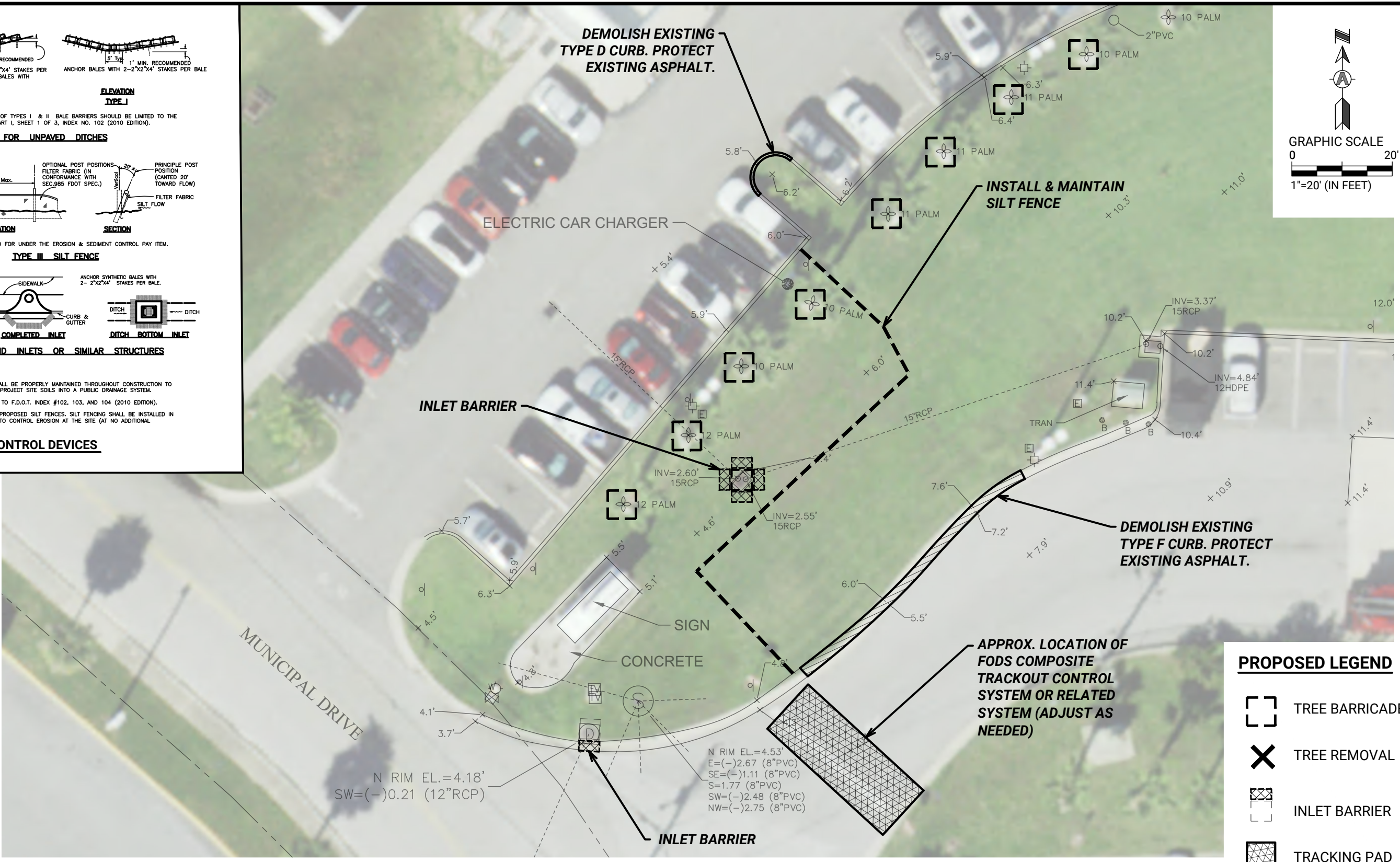
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



PARTIAL INLET **COMPLETED INLET** **DITCH BOTTOM INLET**

NOTES:
1. EROSION CONTROL DEVICES SHALL BE PROPERLY MAINTAINED THROUGHOUT CONSTRUCTION TO PREVENT THE INFILTRATION OF PROJECT SITE SOILS INTO A PUBLIC DRAINAGE SYSTEM.
2. FOR ADDITIONAL DETAIL, REFER TO F.D.O.T. INDEX #102, 103, AND 104 (2010 EDITION).
3. SEE PLANS FOR LOCATION OF PROPOSED SILT FENCES. SILT FENCING SHALL BE INSTALLED IN OTHER LOCATIONS AS NEEDED TO CONTROL EROSION AT THE SITE (AT NO ADDITIONAL EXPENSE TO THE CITY).

EROSION CONTROL DEVICES



PROPOSED LEGEND

- TREE BARRICADE
- TREE REMOVAL
- INLET BARRIER
- TRACKING PAD
- SILT FENCE LIMITS
- TO BE REMOVED

NO.	REVISIONS	BY	DATE

SCALE: 1"=20'
DRAWN: C.A.P.
DESIGNED: A.E.D.
APPROVED: J.V.K.

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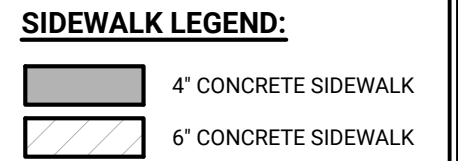
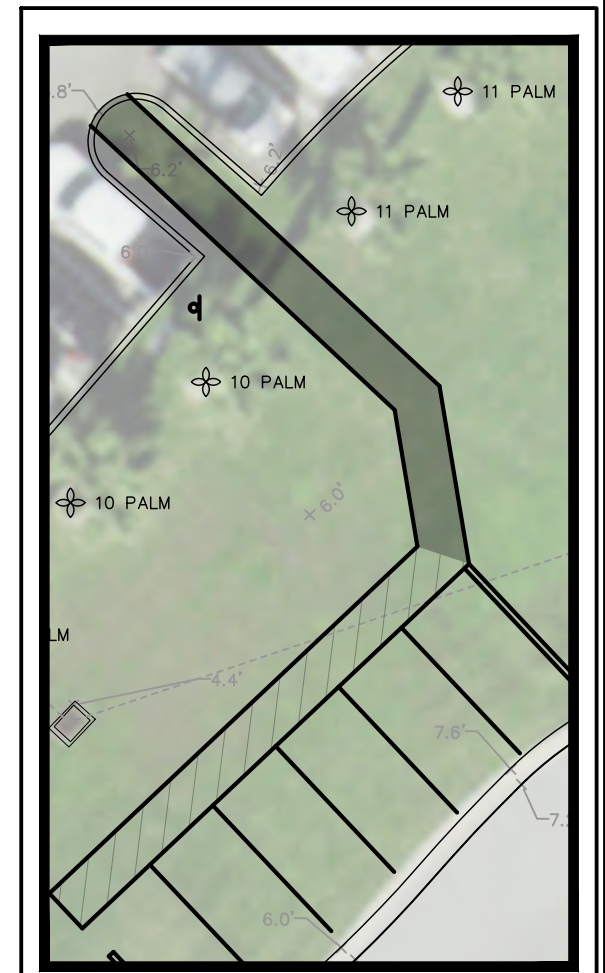
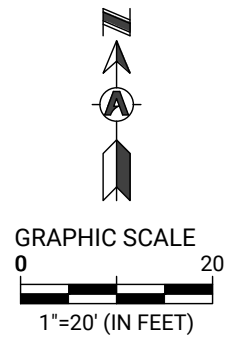
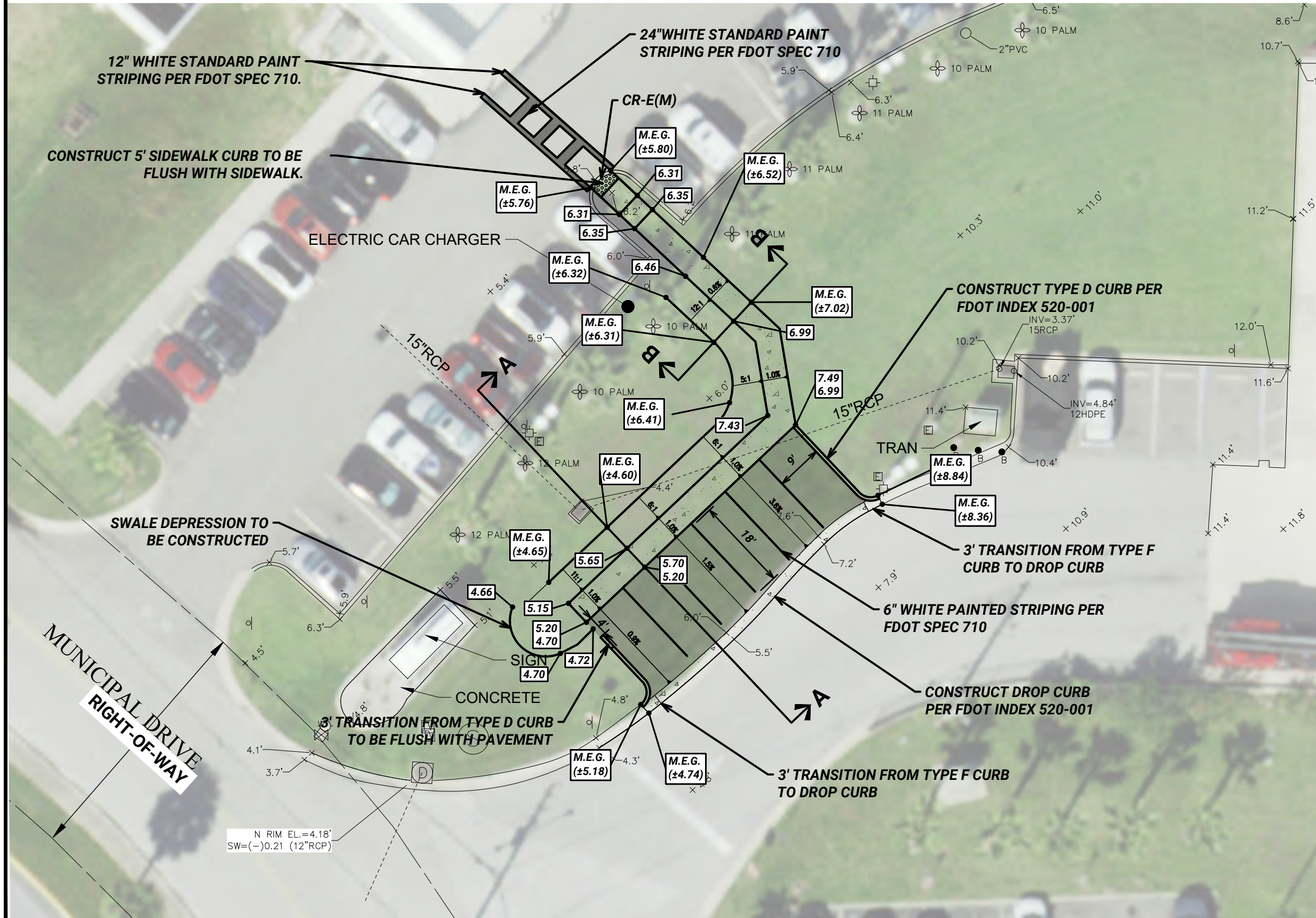


CITY OF MADEIRA BEACH
FIRE STATION 25 DRIVEWAY PARKING

DEMOLITION & EROSION CONTROL PLAN

DATE: 5/6/24
PROJECT NO: 24.MB-12
SHEET NO: **C3**

[Carlos Peralta] [5.21.2024] m:\public\madeira beach\24.mb-12 (fs drive parking)\cadd\current\MB-12_C4.dwg



NO.	REVISIONS	BY	DATE

SCALE: 1"=10'
 DRAWN: C.A.P.
 DESIGNED: A.E.D.
 APPROVED: J.V.K.

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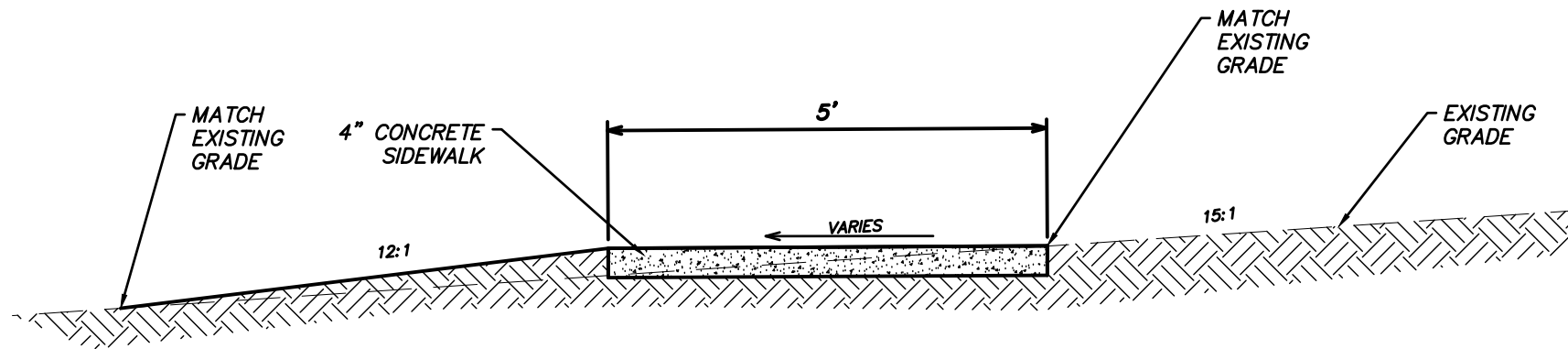


CITY OF MADEIRA BEACH
 FIRE STATION 25 DRIVEWAY
 PARKING

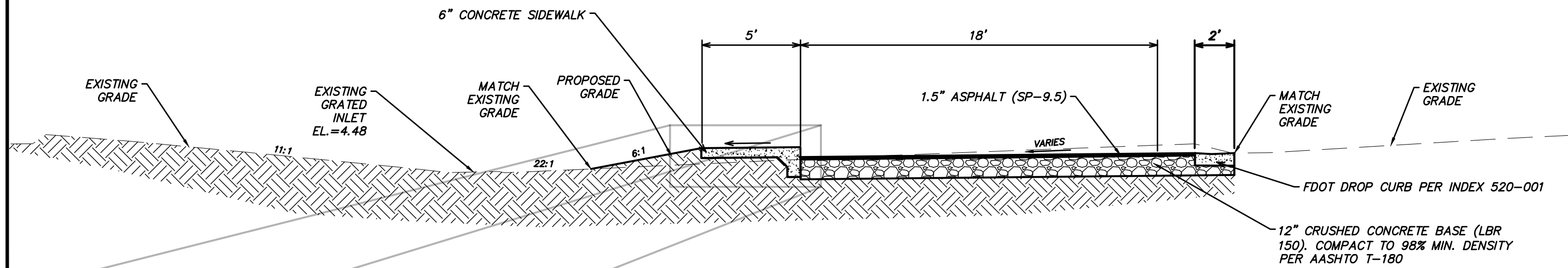
**SITE PLAN, PAVING GRADING
 & DRAINAGE PLAN**

DATE: 5/6/24
 PROJECT NO: 24.MB-12
 SHEET NO: **C4**

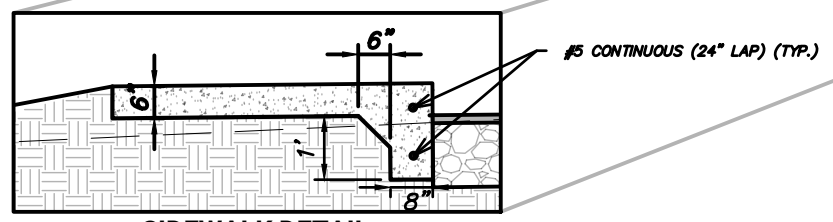
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SECTION B-B
SCALE: 1"=2'



SECTION A-A
SCALE: 1"=5'



SIDEWALK DETAIL
SCALE: 1"=3'

NO.	REVISIONS	BY	DATE

SCALE: AS SHOWN
DRAWN: C.A.P.
DESIGNED: A.E.D.
APPROVED: J.V.K.

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CITY OF MADEIRA BEACH
FIRE STATION 25 DRIVEWAY
PARKING

GENERAL DETAILS

DATE: 5/6/24
PROJECT NO: 24.MB-12
SHEET NO: **C5**