

ADDENDUM NO. 1 REQUESTS FOR INFORMATION

Issued March 8, 2024

Bids are due at 2:00 p.m. CST on Tuesday, March 19, 2024. Bids will be publicly opened and read aloud at 5:30 p.m. CST at the City Council Meeting on Tuesday, March 19, 2024.

The following requests for additional information (RAIs) were received from bidder(s) and are being addressed through this Addendum as follows:

RAI No. 1. Will this project require Davis-Bacon Wages?

City's Response to Request for Information Question No. 1

No. This project is not being funded through a Federal agency and does not require Davis-Bacon Wages.

RAI No. 2. Will this project require Owner-Paid Material?

City's Response to Request for Information Question No. 2

No. Contractor will be responsible in providing all material for project.

RAI No. 3. Will there be a pre-bid meeting since I do not see one scheduled in the Invitation to Bid?

City's Response to Request for Information Question No. 3

No pre-bid meeting was scheduled or required for this project.

RAI No. 4. As you know there will be a lot of heavy equipment vehicle movement do to the excavation and we were concerned about the traffic schedule in the area in order not to affect neighborhood commute. Not sure if there is an established or preferred route already delineated for the trucks hauling excavated material from the site. Please confirm.

City's Response to Request for Information Question No. 4

All heavy equipment should enter and exit the site using the construction entrance, as shown, on Boatrace Road. Residential roads such as Lance Street and 11th Street North should be avoided as much as possible. An MOT sheet has been added to the plan set.

Please <u>REMOVE</u> Civil Construction Plan Set in its entirety and <u>REPLACE</u> with the revised Civil Construction Plan Set (refer to *Attachment A*).





RAI No. 5. Bid form item 8.2 calls for 22 feet of excavation. I assume this is a typo.

City's Response to Request for Information Question No. 5

Yes, that was a typo. Bid Form Line Item 8.2 has been modified to remove word "22 feet".

Please <u>REMOVE</u> the Measurement & Payment (Section 01150) in its entirety and <u>REPLACE</u> with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please <u>REMOVE</u> the Bid Form Section in its entirety and <u>REPLACE</u> with the revised Bid Form Section (refer to *Attachment C*).

RAI No. 6. The trench detail on SHEET C2.0 reflects sheet piles; however, I do not believe sheets will be necessary for the construction of this storm drain. Please review.

City's Response to Request for Information Question No. 6

It is unlikely sheet piles will be necessary to construct this project. Note 6 under the Trench Detail Asphalt Pavement Surface Type A-1 Pipe Bedding Detail on SHEET C2.0 has been removed. Please refer to the revised Civil Construction Plan Set.

Please <u>REMOVE</u> Civil Construction Plan Set in its entirety and <u>REPLACE</u> with the revised Civil Construction Plan Set (refer to *Attachment A*).

RAI No. 7. Will HP pipe be allowed in lieu of RCP & CMP, as it is an FDOT-approved pipe.

City's Response to Request for Information Question No. 7

ADS HP Storm Dual Wall Pipe will be considered as an alternate. An Alternate for the 15-, 18-, 24-, and 36-inch Dual Wall HP pipe has been added to the Measurement & Payment and Bid Form.

Please <u>REMOVE</u> the Measurement & Payment (Section 01150) in its entirety and <u>REPLACE</u> with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please **REMOVE** the Bid Form Section in its entirety and **REPLACE** with the revised Bid Form Section (refer to *Attachment C*).





RAI No. 8. No Pre-Bid Meeting?

City's Response to Request for Information Question No. 8

Please refer to City's Response to Request for Information Question No. 3 above.

RAI No. 9. Is there an Engineer's budget estimate?

City's Response to Request for Information Question No. 9

The Engineer's Budget for this project varies significantly and is heavily dependent on the market value of the excavated material. The Budget is estimated to be in the range of \$900,000 to \$1,200,000.

RAI No. 10. In the Measurement and Payment (Section 01150) of the specifications, Bid Item Bid Item 2.1 states the parking area should utilize a 1.5-inch layer of type FC 12.5 Friction Course. Can the Friction Course requirement be deleted? Also, can we use SP 9.5 in lieu of the SP 12.5?

City's Response to Request for Information Question No. 10

The Bid Form and Measurement and Payment sections have been revised to reflect the use of SP 9.5 per the Trench Detail Asphalt Pavement Surface (Type A-1 Pipe Bedding) Detail on SHEET C2.0 of the Construction Drawings.

Please <u>REMOVE</u> the Measurement & Payment (Section 01150) in its entirety and <u>REPLACE</u> with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please **<u>REMOVE</u>** the Bid Form Section in its entirety and **<u>REPLACE</u>** with the revised Bid Form Section (refer to **Attachment C**).

RAI No. 11. In the Measurement and Payment (Section 01150) of the specifications and on the Bid Form, Bid Item 5.1 states thermoplastic striping and on the bid form, can we bid paint instead of thermoplastic? If not, does all the thermoplastic have to be pre-formed?

City's Response to Request for Information Question No. 11

The Bid Form and Measurement and Payment sections have been revised to reflect the use of 6-inch Single White Solid Line for the parking area and cross bars at the intersection of 11th Street North and Lance Street per FDOT STD 711-001 as indicated on SHEET C1.1 of the Construction Drawings. In addition, adjustments have been made to the striping section including new line items for thermoplastic yellow striping, blue ADA striping, and other adjustments.





Please <u>REMOVE</u> the Measurement & Payment (Section 01150) in its entirety and <u>REPLACE</u> with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please <u>REMOVE</u> the Bid Form Section in its entirety and <u>REPLACE</u> with the revised Bid Form Section (refer to *Attachment C*).

RAI No. 12. Can we get a copy of the CAD file for the project?

City's Response to Request for Information Question No. 12

A copy of the CAD file is available for this project. Please provide moregan@anchorcei.com with an email requesting CAD file.

RAI No. 13. Can a line item be added for a unit rate of removing and disposing of any contaminated soil or groundwater?

City's Response to Request for Information Question No. 13

Based on the reports provided by Cypress Environmental, the soil is not considered contaminated. None of the soil samples obtained exceeded Soil Cleanup Target Levels (SCTLs) established by the State of Florida (as defined in Chapter 62-777, F.A.C.). Additional mixing and testing is recommended by Cypress Environmental as a precaution, as soils are assumed to be exposed to groundwater during excavation activities.

Groundwater testing did indicate the presence of three elevated parameters. However, the report attributes the likelihood of those elevated levels to the sample collecting methods rather than contaminated groundwater.

As such, additional testing of the groundwater testing for those three parameters is recommended to confirm that expectation. As the soil is non-hazardous, it is not required to be deposited in a landfill and may be used at the Contractor's discretion.

A new Bid Item Allowance for Groundwater and Soil Analytical Tests has been added to the revised Bid Form.

Please <u>REMOVE</u> the Measurement & Payment (Section 01150) in its entirety and <u>REPLACE</u> with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please **<u>REMOVE</u>** the Bid Form Section in its entirety and **<u>REPLACE</u>** with the revised Bid Form Section (refer to **Attachment C**).





RAI No. 14. Will the City be responsible for any additional environmental testing of soils and groundwater once construction begins?

City's Response to Request for Information Question No. 14

It is not anticipated that environmental testing of soils will be required. As part of the Environmental Resource Permits for the larger and two smaller ponds to be constructed on site, the Northwest Florida Water Management Agency has authorization to enter, inspect, sample and test the project or activities to ensure conformity with the plans and specifications authorized in the permit.

A new Bid Item Allowance for Groundwater and Soil Analytical Tests has been added to the revised Bid Form.

Please <u>REMOVE</u> the Measurement & Payment (Section 01150) in its entirety and <u>REPLACE</u> with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please **<u>REMOVE</u>** the Bid Form Section in its entirety and **<u>REPLACE</u>** with the revised Bid Form Section (refer to **Attachment C**).

RAI No. 15. Will the City be paying for the supply power to the pump and irrigation controller?

City's Response to Request for Information Question No. 15

It is anticipated that the Contractor will install a panel that will accept a meter face. The Contractor will notify the City, who will then apply for power and pay fees. The panel will be inspected and then the power company will install a meter face.

RAI No. 16. Can you tell me the proposed budget for this project since I am required to get a bid bond? My bonding agent is asking for the engineers budget on the project?

City's Response to Request for Information Question No. 16
Refer to City's Response to Request for Information Question No. 9.

RAI No. 17. Will road closures be allowed for the install of pipe crossings since there are ways to divert traffic around the crossings?

City's Response to Request for Information Question No. 17

A MOT Plan has been included in the revised Civil Construction Plans for assistance in determining lane closures for cut and patch work along Lance Street, 11th Street North, and Boatrace Road.





If it is determined that a complete road closure is needed, then Contractor must coordinate with the City of Parker Public Works for approval prior to closure of that City roadway.

Please <u>REMOVE</u> Civil Construction Plan Set in its entirety and <u>REPLACE</u> with the revised Civil Construction Plan Set (refer to *Attachment A*).

RAI No. 18. 12-inch RCP is no longer manufactured. Will HP be allowed for those pipe runs?

City's Response to Request for Information Question No. 18

Those pipe sizes have been increased to 15-inch RCP. Please see attached revised Civil Construction Plans, Measurement & Payment, and Bid Form.

Please <u>REMOVE</u> Civil Construction Plan Set in its entirety and <u>REPLACE</u> with the revised Civil Construction Plan Set (refer to *Attachment A*).

Please <u>REMOVE</u> the Measurement & Payment (Section 01150) in its entirety and <u>REPLACE</u> with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please **<u>REMOVE</u>** the Bid Form Section in its entirety and **<u>REPLACE</u>** with the revised Bid Form Section (refer to **Attachment C**).

RAI No. 19. Please check the quantity for Bid Item 2.4 - 1.5-inch Asphalt Patch. The bid form shows 2,400 square yards; however, I only come up with 268 square yards for all the road crossings shown on the plans. I assume this could be a typo on the bid form?

City's Response to Request for Information Question No. 19

The Bid Form and Measurement and Payment sections have been revised to reflect the 269 square yards of concrete patch to be completed at the seven locations noted on SHEET C1.1 of the Construction Drawings.

Please <u>REMOVE</u> the Measurement & Payment (Section 01150) in its entirety and <u>REPLACE</u> with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please **REMOVE** the Bid Form Section in its entirety and **REPLACE** with the revised Bid Form Section (refer to **Attachment C**).





RAI No. 20. Bid Item 2.1 indicates FC12.5 on the parking lot, but the detail on SHEET C2.1 just calls for 1.5-inch of Type S. Parking lots aren't typically paved using a friction course mix. I believe a SP12.5 (58-22) would work for this application and be cheaper?

City's Response to Request for Information Question No. 20

The Bid Form and Measurement and Payment sections have been revised to reflect the use of SP 9.5 per the Trench Detail Asphalt Pavement Surface (Type A-1 Pipe Bedding) Detail on SHEET C2.0 of the Construction Drawings.

Please <u>REMOVE</u> the Measurement & Payment (Section 01150) in its entirety and <u>REPLACE</u> with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please **<u>REMOVE</u>** the Bid Form Section in its entirety and **<u>REPLACE</u>** with the revised Bid Form Section (refer to **Attachment C**).

RAI No. 21. Item 2.2 calls for Optional Base Group 6 (6-inch Limerock), but OBG 6 is for 8-inch Limerock. The typical in the plans call for 6-inch Limerock so that would be OBG 4?

City's Response to Request for Information Question No. 21

The Bid Form and Measurement and Payment sections have been revised to reflect the use of Original Base Group 4 which includes 6-inch limerock.

Please **REMOVE** the Measurement & Payment (Section 01150) in its entirety and **REPLACE** with the revised Measurement & Payment (Section 01150) (refer to *Attachment B*).

Please <u>REMOVE</u> the Bid Form Section in its entirety and <u>REPLACE</u> with the revised Bid Form Section (refer to *Attachment C*).

RAI No. 22. The plans specified paint, however, the bid tab calls for thermoplastic. Please clarify.

City's Response to Request for Information Question No. 22 City's Response to Request for Information Question No. 11.

RAI No. 23. I see no item to address the EXPORT that will be on this project? Did you want all that work included in the regular excavation LS item?





City's Response to Request for Information Question No. 23

Yes, excavation including the export of material is addressed in Bid Item No. 7 – Earthwork of the Measurement and Payment section.

RAI No. 24. Can you point out on the plans where the contractor is going to need to dig 22 feet below existing grade for asphalt and base?

City's Response to Request for Information Question No. 24

City's Response to Request for Information Question No. 5.

Sent to Registered Bidders: **March 8, 2024**Posted to City's RFP Webpage: **March 8, 2024**





INVITATION TO BID 2023-01 CITY OF PARKER ROADWAY IMPROVEMENTS - PHASE 1

ATTACHMENT A

REVISED CONSTRUCTION DRAWINGS



INVITATION TO BID 2023-01 CITY OF PARKER ROADWAY IMPROVEMENTS - PHASE 1

ATTACHMENT B

REVISED MEASUREMENT & PAYMENT

CONSTRUCTION PLANS

INLAND FLOOD PROTECTION RETENTION POND and WALKING PATH

CITY OF PARKER, FLORIDA

CITY COUNCIL

MAYOR, ANDREW KELLY

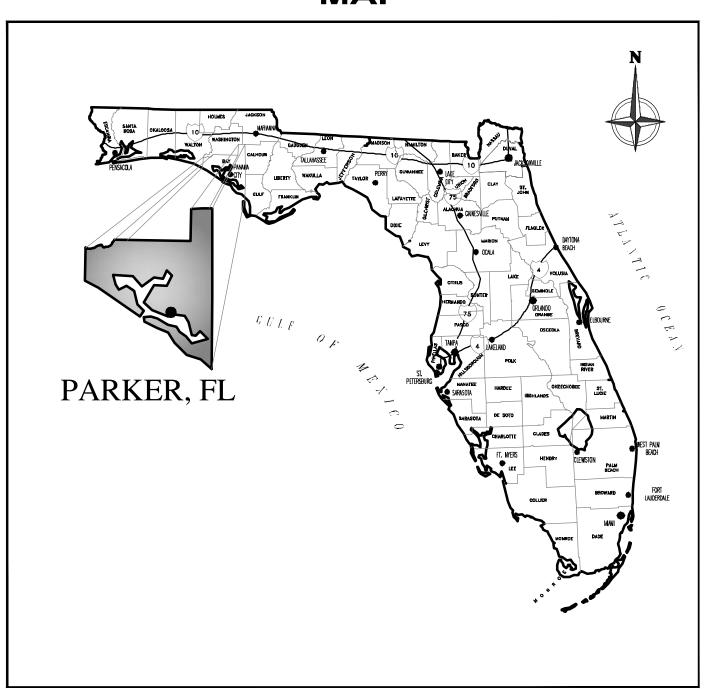
COUNCIL MEMBER/MAYOR PRO-TEM, TONYA BARROW

COUNCIL MEMBER, RONALD H. CHAPLE

COUNCIL MEMBER, JOHN HANEY

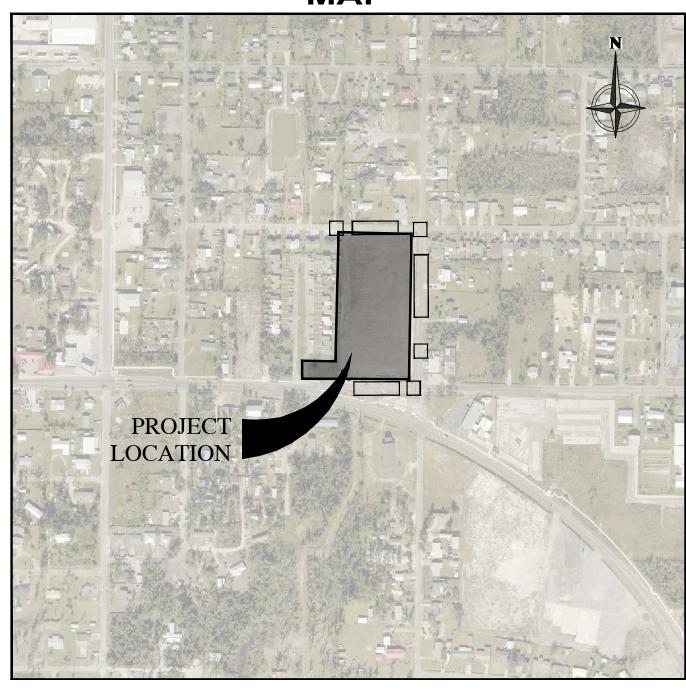
COUNCIL MEMBER, TO BE DETERMINED

VICINITY





LOCATION MAP



DATE: 3/7/2024

BID SET

No.	DATE	DESCRIPTION
3		
2		
1	03/06/2024	ADDENDUM 1



CERTIFICATE OF AUTHORIZATION No.: 31422

ELIZABETH S. MOORE, P.E. No.: 57607

THE ABOVE NAMED PROFESSIONAL ENGINEER
SHALL BE RESPONSIBLE FOR THE FOLLOWING
SHEETS INDICATED BY (*) IN ACCORDANCE WITH
RULE 61G15-23.005, F.A.C.

INDEX OF SHEETS

(*) C0.0 COVER SHEET

TOPOGRAPHIC SURVEY (NORTH 11TH STREET PARCEL)

TOPOGRAPHIC SURVEY (CHERI LANE PARCEL)

(*) C0.1 GENERAL NOTES

(*) C0.2 STORMWATER POLLUTION PREVENTION * EROSION CONTROL PLAN

(*) C0.3 STORMWATER POLLUTION PREVENTION PLAN

(*) C1.0 EXISTING SITE DEMOLITION PLAN

(*) C1.1 SITE IMPROVEMENTS PLAN

(*) C1.2 SITE GRADING AND DRAINAGE PLAN

*) C1.3 MAINTENANCE OF TRAFFIC SITE PLAN
C1.4 MAINTENANCE OF TRAFFIC FDOT STANDARD INDEX SHEETS

C2.0 CONSTRUCTION DETAILS

(*) C2.1 CONSTRUCTION DETAILS

(*) C2.2 STORMWATER POND 1 DETAILS

(*) C2.3 STORMWATER PONDS 2, 3A & 3B DETAILS

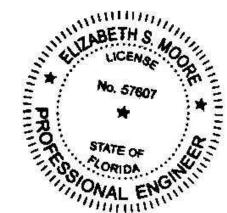
L1 LANDSCAPE PLAN

L2 LANDSCAPE PLAN

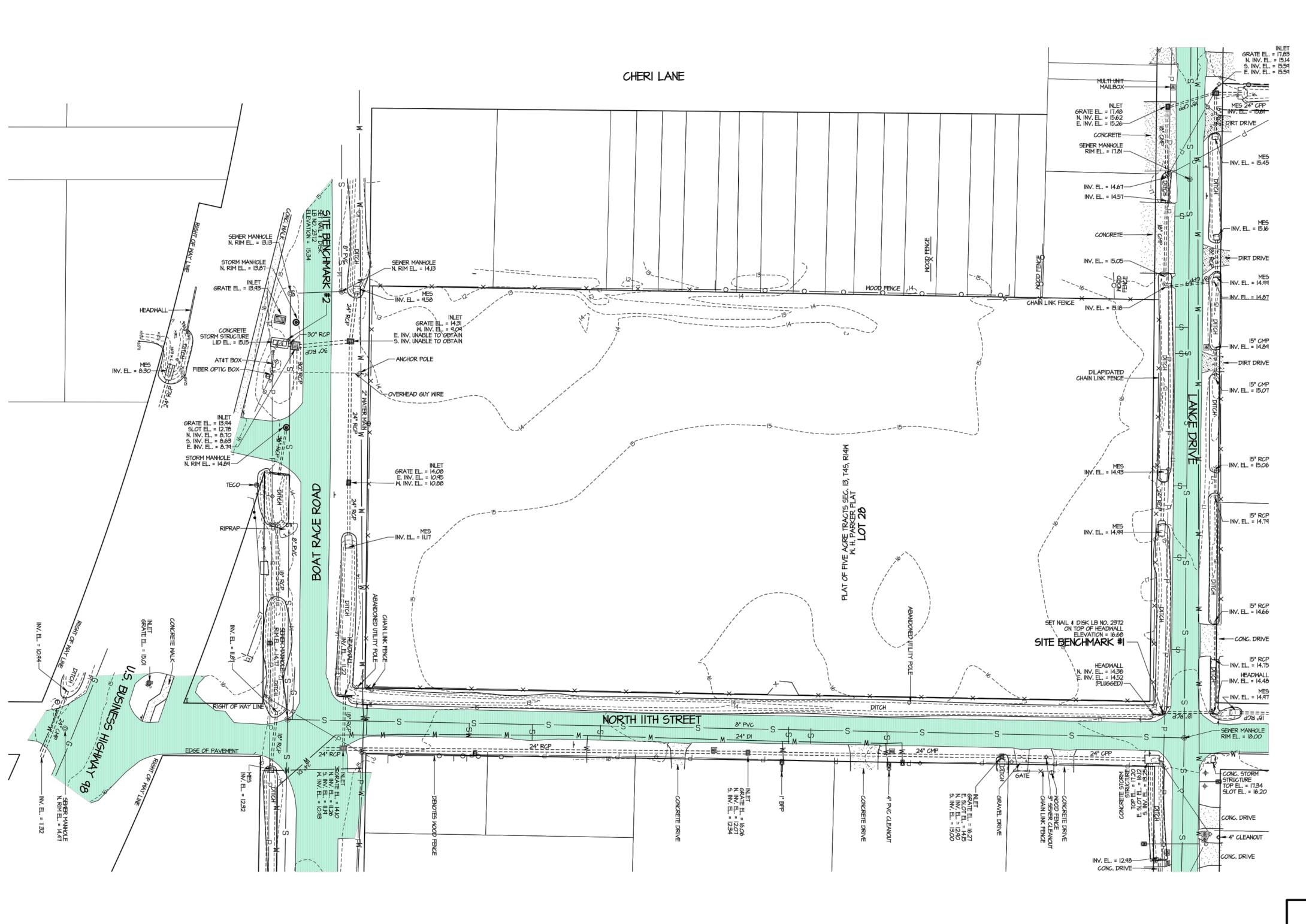
L3 IRRIGATION PLAN

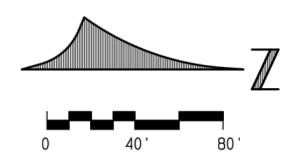
_4 IRRIGATION PLAN

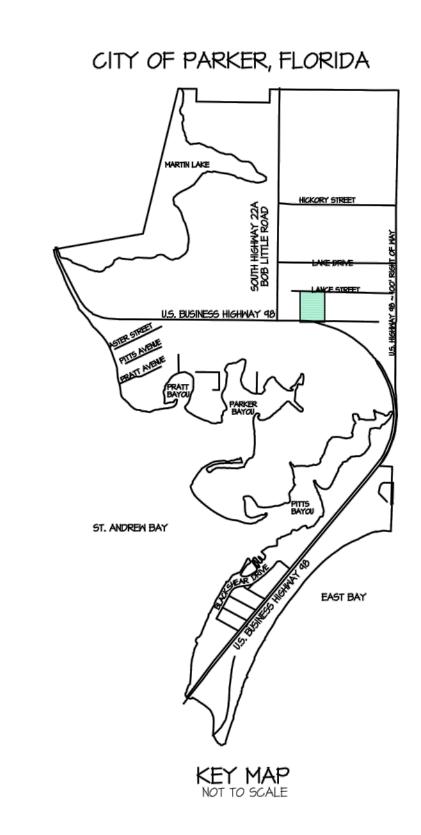
THIS ITEM HAS BEEN DIGITALLY SIGNED AND SEALED BY:



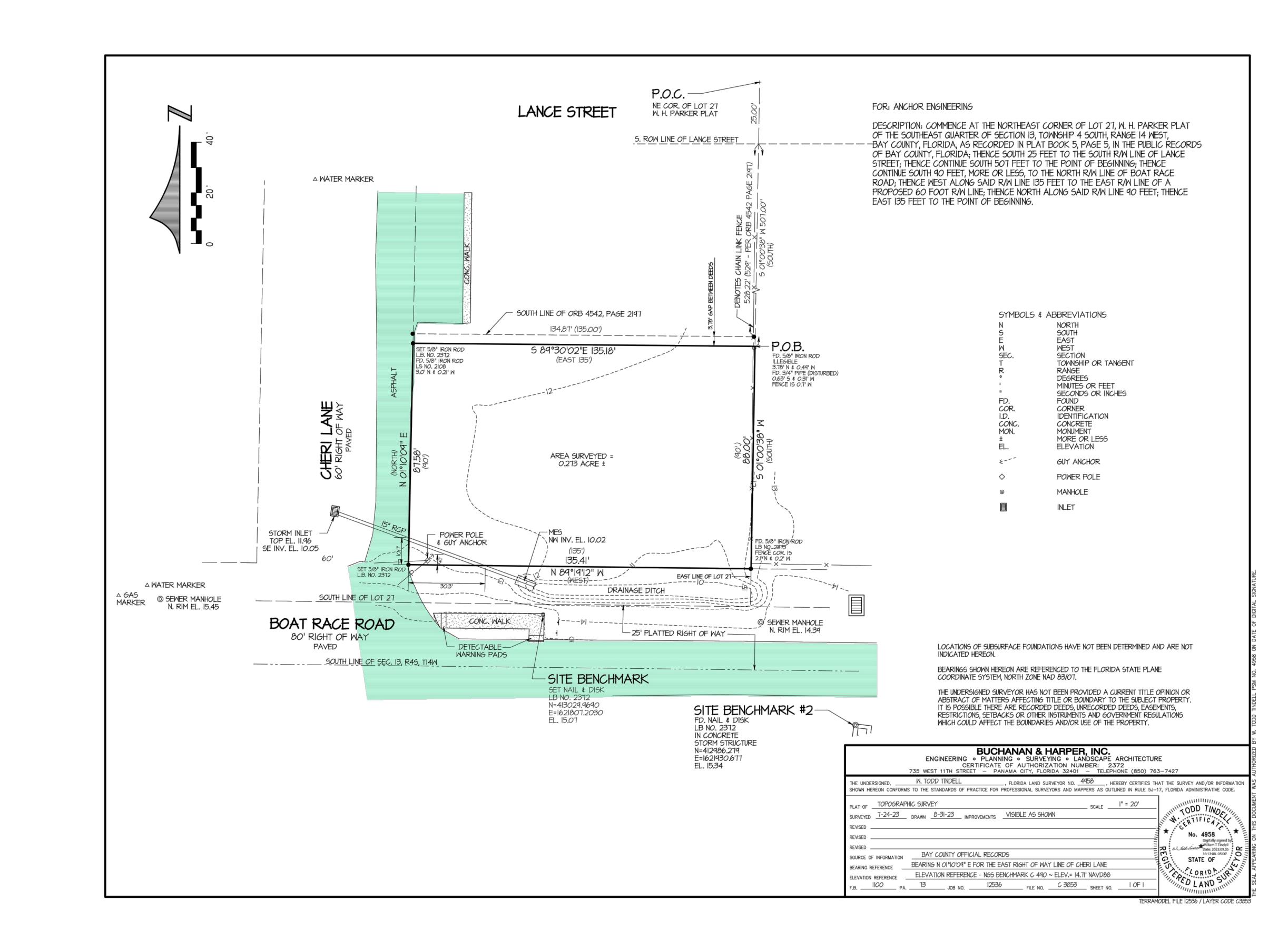
PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC DOCUMENTS.







	<u>بر</u>
BUCHANAN & HARPER, INC. ENGINEERING • PLANNING • SURVEYING • LANDSCAPE ARCHITECTURE CERTIFICATE OF AUTHORIZATION NUMBER: 2372 735 WEST 11TH STREET — PANAMA CITY, FLORIDA 32401 — TELEPHONE (850) 763-7427	HORIZED BY V
THE UNDERSIGNED, W. TODD TINDELL , FLORIDA LAND SURVEYOR NO. 4958 , HEREBY CERTIFIES THAT THE SURVEY AND/OR INFORMATION SHOWN HEREON CONFORMS TO THE STANDARDS OF PRACTICE FOR PROFESSIONAL SURVEYORS AND MAPPERS AS OUTLINED IN RULE 5J-17, FLORIDA ADMINISTRATIVE CODE.	WAS AUT
PLAT OF TOPOGRAPHIC SURVEY SCALE I" = 40' SURVEYED DRAWN IMPROVEMENTS VISIBLE AS SHOWN REVISED 5-14-22 ADDED TOPOGRAPHIC INFORMATION	THIS DOCUMENT
REVISED REVISED SOURCE OF INFORMATION BEARING REFERENCE	APPEARING ON
ELEVATION REFERENCE NGS BENCHMARK C 490 ~ ELEVATION = 14.71 NAVD 88 F.B. 1180 PA. 8 JOB NO. 12257.08 FILE NO. E 3847 SHEET NO. 24	E SEAL AF



GENERAL PROVISIONS

- 1. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER COPIES OF ALL AVAILABLE REGULATORY AGENCY PERMITS AND LOCAL AGENCY PERMITS.
- 2. CONTRACTOR, AS PART OF THE BASE BID, SHALL FIELD LOCATE ALL UNDERGROUND UTILITIES WITHIN THE PROJECT AREA WITHIN THE 30 DAYS OF PROJECT AWARD. CONTRACTOR SHALL REVIEW THE PLANS AND SHALL NOTE ANY DISCREPANCIES TO THE ENGINEER IMMEDIATELY.
- 3. CONTRACTORS, AS PART OF THE BASE BID, SHALL PROVIDE ALL COORDINATION WITH UTILITY PROVIDERS TO PROVIDE FOR THE MATERIALS AND WORK NEEDED TO PROVIDE SERVICES TO THE PROJECT.
- 4. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE FOR ALL DEMOLITION OF ABOVE GROUND AND UNDERGROUND IMPROVEMENTS IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS NOTED ON THE PLANS. UNLESS APPROVED IN WRITING FROM THE OWNER, ALL MATERIALS SHALL BE REMOVED FROM THE SITE AS PART OF THE BASE BID.
- 5. ALL DETAILS AND REFERENCES TO FDOT REFER TO THE LATEST EDITION OF THE FDOT DESIGN STANDARDS.
- 6. CONTRACTOR AND HIS SURVEYOR SHALL NOTE THE PROJECT BENCHMARK INFORMATION PROVIDED IN THE PLANS AND VERIFY PRIOR TO CONSTRUCTION.
- 7. ALL CONSTRUCTION PROJECTS 1 OR MORE ACRES IN SIZE THAT DISCHARGE TO OFFSITE AREAS ARE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FOR STORMWATER DISCHARGE FROM SMALL AND LARGE CONSTRUCTION ACTIVITIES. IN ORDER TO MEET NPDES REQUIREMENTS, THE CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING, INSPECTING, MAINTAINING, AND REPORTING ON ALL ELEMENTS OF THE SWPPP, COMPLETING AND SUBMITTING THE REQUIRED NOTICE OF INTENT (NOI) AND NOTICE OF TERMINATION (NOT) FORMS AS THE OPERATOR, AND PAYING ALL ASSOCIATED FEES. FOR PROJECTS LESS THAN 1 ACRE IN SIZE THAT ARE NOT REQUIRED TO COMPLY WITH THE NPDES GENERAL PERMIT, THE CONTRACTOR IS STILL RESPONSIBLE FOR IMPLEMENTING AND MAINTAINING EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO AND DURING CONSTRUCTION IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS.
- 8. UNLESS OTHERWISE NOTED ON THE PLANS, THE CONTRACTOR SHALL USE THE GEOMETRY PROVIDED ON THE CONSTRUCTION PLANS. BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR BY THE OWNER OR OWNER'S SURVEYOR. ANY DISCREPANCIES BETWEEN FIELD MEASUREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.
- 9. BASE SURVEY INFORMATION INCLUDING BUT NOT LIMITED TO ELEVATIONS, EASEMENTS, RIGHTS OF WAY, AND OTHER TOPOGRAPHIC INFORMATION HAS BEEN PREPARED BY OTHER PROFESSIONALS. ANCHOR CEI, INC. ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THIS INFORMATION.
- 10. THIS SET OF PLANS MAY CONTAIN DRAWINGS PREPARED BY OTHER PROFESSIONALS, WHICH CONTAIN THE NAME, ADDRESS, AND LOGO OF THE PROFESSIONAL. ANCHOR CEI, INC. IS NOT RESPONSIBLE FOR DRAWINGS PREPARED BY OTHER PROFESSIONALS.
- 11. PROTECT BENCHMARKS, PROPERTY CORNERS, AND OTHER SURVEY MONUMENTS FROM DAMAGE OR DISPLACEMENT. IF MARKER NEEDS TO BE REMOVED IT SHALL BE REFERENCED BY LICENSED LAND SURVEYOR AND REPLACED, AS NECESSARY, BY SAME.
- 12. THE CONTRACTOR IS RESPONSIBLE FOR ALL QUALITY CONTROL TESTING. AS A MINIMUM, TESTING SHALL INCLUDE A) PIPING AND STRUCTURAL EXCAVATION, BEDDING AND BACKFILL MATERIALS AND DENSITY TESTS; B) DETERMINATION OF COMPACTIVE EFFORT NEEDED FOR COMPLIANCE WITH THE DENSITY REQUIREMENTS; C) PORTLAND CEMENT CONCRETE AND ASPHALT PAVING QUALITY CONTROL TESTING INCLUDING DESIGN MIX REVIEW, MATERIALS, FIELD SLUMP AND AIR CONTENT, AND FIELD AND LAB CURED STRENGTH SAMPLES AND TESTING.
- 13. IN ADDITION TO QUALITY CONTROL TESTING, THE CONTRACTOR SHALL BE RESPONSIBLE FOR REQUIRED TESTING OR APPROVALS FOR ANY WORK (OR ANY PART THEREOF) IF LAWS OR REGULATIONS OF ANY PUBLIC BODY HAVING JURISDICTION SPECIFICALLY REQUIRE TESTING, INSPECTIONS OR APPROVAL. THE CONTRACTOR SHALL PAY ALL COSTS IN CONNECTION THEREWITH AND SHALL FURNISH THE OWNER AND ENGINEER THE REQUIRED CERTIFICATES OF INSPECTION, TESTING OR APPROVAL.

- 14. ANY DESIGN OR TESTING LABORATORY UTILIZED BY THE CONTRACTOR SHALL BE AN INDEPENDENT LABORATORY ACCEPTABLE TO THE OWNER AND THE ENGINEER, APPROVED IN WRITING, AND COMPLYING WITH THE LATEST EDITION OF THE "RECOMMENDED REQUIREMENTS FOR INDEPENDENT LABORATORY QUALIFICATION", PUBLISHED BY THE AMERICAN COUNCIL OF INDEPENDENT LABORATORIES.
- 15. TESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR AND THE ENGINEER. ALL TEST RESULTS SHALL BE PROVIDED (PASSING AND FAILING) ON A REGULAR AND IMMEDIATE BASIS.
- 16. THE ENTIRE PROJECT SITE SHALL BE THOROUGHLY CLEANED AT THE COMPLETION OF THE WORK. CLEAN ALL INSTALLED PIPELINES STRUCTURES, SIDEWALKS, PAVED AREAS, ACCUMULATED SILT IN PONDS, PLUS ALL ADJACENT AREAS AFFECTED BY CONSTRUCTION, AS DIRECTED BY THE OWNER OR JURISDICTIONAL AGENCY. EQUIPMENT TO CLEAN THESE SURFACES SHALL BE SUBJECT TO APPROVAL BY THE OWNER.
- 17. ALL DISTURBED AREAS WITHIN RIGHT OF WAYS SHALL HAVE SOD COVER.
- 18. CONTRACTOR SHALL COMPLY TO THE FULLEST EXTENT WITH THE LATEST STANDARDS OF OSHA DIRECTIVES OR ANY OTHER AGENCY HAVING JURISDICTION FOR EXCAVATION AND TRENCHING PROCEDURES. THE CONTRACTOR SHALL USE SUPPORT SYSTEMS, SLOPING, BENCHING AND OTHER MEANS OF PROTECTION. THIS TO INCLUDE BUT NOT BE LIMITED, FOR ACCESS AND EGRESS FROM ALL EXCAVATION AND TRENCHING. CONTRACTOR IS RESPONSIBLE TO COMPLY WITH PERFORMANCE CRITERIA FOR OSHA.
- 19. THE CONTRACTOR SHALL RECOGNIZE AND ABIDE BY ALL OSHA EXCAVATION SAFETY STANDARDS, INCLUDING THE FLORIDA TRENCH SAFETY ACT (90-96, LAWS OF FLORIDA). ANY MATERIAL, CONSTRUCTION METHODS, OR MATERIAL COST TO COMPLY WITH THESE LAWS SHALL BE INCIDENTAL TO THE CONTRACT.
- 20. CONTRACTOR MUST STOP OPERATION AND NOTIFY THE OWNER FOR PROPER DIRECTION IF ANY ENVIRONMENTAL OR HEALTH RELATED CONTAMINATE IS ENCOUNTERED DURING EXCAVATION.

TRAFFIC CONTROL

- 1. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A MAINTENANCE OF TRAFFIC (M.O.T.) PLAN PRIOR TO CONSTRUCTION. THE M.O.T. PLAN SHALL SHOW ALL PROPOSED TRAFFIC CONTROL SIGNS, PAVEMENT MARKINGS, AND BARRICADES, AND SHALL DETAIL ALL PROPOSED CONSTRUCTION SEQUENCING. THE M.O.T. PLAN AND INSTALLED TRAFFIC CONTROL MEASURES SHALL BE APPROVED BY THE ENGINEER, OWNER, AND ROADWAY JURISDICTIONAL AGENCY PRIOR TO CONSTRUCTION. IN GENERAL, ROADWAY AND DRIVEWAY LANE CLOSURES ARE PROHIBITED DURING CONSTRUCTION UNLESS SPECIFICALLY DETAILED ON THESE PLANS. IN THE EVENT IT IS DETERMINED THAT ROADWAY AND DRIVEWAY LANE CLOSURES WILL BE ALLOWED, THE CLOSURES SHALL BE RESTRICTED TO THE HOURS BETWEEN 9:00 A.M. AND 4:00 P.M. UNLESS OTHERWISE AUTHORIZED IN THE APPROVED M.O.T.
- 2. ALL TRAFFIC CONTROL MEASURES SHALL BE IN ACCORDANCE WITH FDOT INDEX NO. 600 AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL TRAFFIC CONTROL MEASURES SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED DURING CONSTRUCTION.
- 3. INSPECT TRAFFIC CONTROL DEVICES ON A DAILY BASIS TO ENSURE PLACEMENT OF BARRICADES AND FUNCTION OF LIGHTS IS MAINTAINED THROUGHOUT CONSTRUCTION.
- CONTACT PROPERTY OWNERS AFFECTED BY CONSTRUCTION.
 COORDINATE TEMPORARY DRIVEWAY CLOSURES AND SEQUENCING.
 MAINTAIN ACCESS FOR ALL PROPERTY OWNERS DURING
 CONSTRUCTION.
- 5. WET UN-STABILIZED AREAS AS NECESSARY TO CONTROL DUST.
- 6. ADJUST TRAFFIC CONTROL DEVICES AS REQUIRED UNDER EMERGENCY CONDITIONS.
- 7. THE CONTRACTOR IS EXPECTED TO COORDINATE ITS ACTIVITIES WITH OTHER CONTRACTORS WHO MAY BE WORKING IN THE IMMEDIATE VICINITY.
- 8. WHEN WORK OCCURS WITHIN 15-FT OF ACTIVE ROAD TRAVEL LANES BUT NO CLOSER THAN 2-FT FROM THE EDGE OF PAVEMENT, SIGNAGE AND WARNING DEVICES ARE TO BE INSTALLED IN ACCORDANCE WITH FDOT INDEX NO. 600 AND 602.

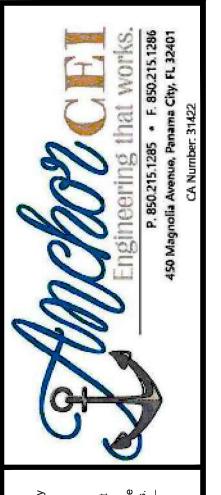
9. TYPE I OR TYPE II BARRICADES AT 20-FT CENTERS SHALL BE PLACED AND MAINTAINED ALONG THE EDGE OF THE ROAD WHEREVER DROP-OFFS OR OTHER HAZARDS EXIST AND TO BLOCK ENTRANCE INTO COMPLETED OR PARTIALLY COMPLETED PAVEMENTS UNTIL SUCH PAVEMENTS ARE OPEN TO PUBLIC USE.

PAVING, SIDEWALKS, AND CURBING

- 1. MATERIALS AND CONSTRUCTION METHODS FOR THE ROADWAY AND PAVING CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
- 2. ROADWAY PAVING, BASE, AND SUB-GRADE THICKNESS SHALL BE IN ACCORDANCE WITH DETAILS ON THESE DRAWINGS.
- 3. SIDEWALKS ARE TO BE CONSTRUCTED IN THE AREAS AS SHOWN ON THE CONSTRUCTION PLANS. HANDICAPPED RAMPS SHALL BE PROVIDED AT ALL INTERSECTIONS AND SHALL BE IN ACCORDANCE WITH THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION, LATEST EDITION.
- 4. CURBING SHALL BE CONSTRUCTED WHERE NOTED ON THE CONSTRUCTION PLANS. ALL CURBS SHALL HAVE SAW CUT CONTRACTION JOINTS AND SHALL BE CONSTRUCTED AT INTERVALS NOT TO EXCEED 10'-0" ON CENTER. CONSTRUCTION OF CURBS SHALL BE IN CONFORMANCE WITH FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION (LATEST EDITION) SECTION 520 AND DETAILS PROVIDED ON THE CONSTRUCTION PLANS.
- 5. FIELD COMPACTION DENSITY, STABILITY, AND THICKNESS TESTING FREQUENCIES OF SUB-BASE, BASE, AND ASPHALT SHALL BE TESTED ONCE EVERY 300 LINEAR FEET OF PAVING PER 24-FT WIDE STRIP, STAGGERED LEFT, CENTER AND RIGHT OF CENTERLINE. WHERE LESS THAN 300 LINEAR FEET OF SUB-BASE, BASE, AND ASPHALT IS PLACED IN ONE DAY, PROVIDE MIN. OF ONE TEST FOR EACH PER DAY'S CONSTRUCTION AT A LOCATION DESIGNATED BY THE ENGINEER. ASPHALT EXTRACTION GRADATION SHALL BE TESTED FROM GRAB SAMPLES COLLECTED ONCE EVERY 1800 SQUARE YARDS OF ASPHALT DELIVERED TO THE SITE (OR A MINIMUM OF ONCE PER DAY).

SIGNS AND PAVEMENT MARKINGS

- 1. ALL SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" AND THE LATEST IMPLEMENTED EDITION OF FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS.
- 2. ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC WITH RAISED PAVEMENT MARKERS (TYPE 911 4" x 4"). RAISED PAVEMENT MARKERS ARE TO BE INSTALLED IN ACCORDANCE WITH THESE PLANS AND FDOT INDEX NO. 17352.
- 3. PARKING STALL PAVEMENT MARKINGS SHALL BE PAINTED. PAINT SHALL MEET THE REQUIREMENTS OF FDOT SPECIFICATION SECTION 971. NON-REFLECTIVE WHITE TRAFFIC PAINT. TWO COATS.
- 4. ALL ROADWAY TRAFFIC SIGNS SHALL BE MANUFACTURED USING HIGH INTENSITY RETRO-REFLECTIVE MATERIALS. THE BACK OF ALL FINISHED PANELS SHALL BE STENCILED WITH THE DATE OF FABRICATION, THE FABRICATOR'S INITIALS, AND THE NAME OF THE SHEETING IN THREE-INCH LETTERS.
- 5. INTERNAL SITE TRAFFIC SIGNS ARE NOT REQUIRED TO BE RETRO-REFLECTIVE.
- 6. THE CONTRACTOR SHALL VERIFY THE REQUIRED LENGTH OF THE SIGN COLUMN SUPPORTS IN THE FIELD PRIOR TO FABRICATION.
- 7. CONTRACTOR SHALL PROVIDE AND INSTALL ALL SIGNS, BASES, ANCHOR BOLTS, CONDUITS, WIRING, ETC.
- 8. ALL PAVEMENT MARKINGS REQUIRE LAYOUT APPROVAL IN THE FIELD BY THE ENGINEER PRIOR TO INSTALLATION.
- 9. PRIOR TO FINAL PAVEMENT MARKING INSTALLATION, A TWO WEEK CURE TIME OF THE ASPHALT IS REQUIRED.



This item has been electronicall signed and sealed by ELIZABETH S. MOORE, PE on March 7, 2024 using a digital signature.

Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Elizabeth S. Moore, PE

Designed: B. Silcox

Drawn: B. Silcox
Checked: E. Moore, P.E.
Job No.: 1620.011
Date: 3/7/2024 © 2024

ERAL NOTES

DOD PROTECTION

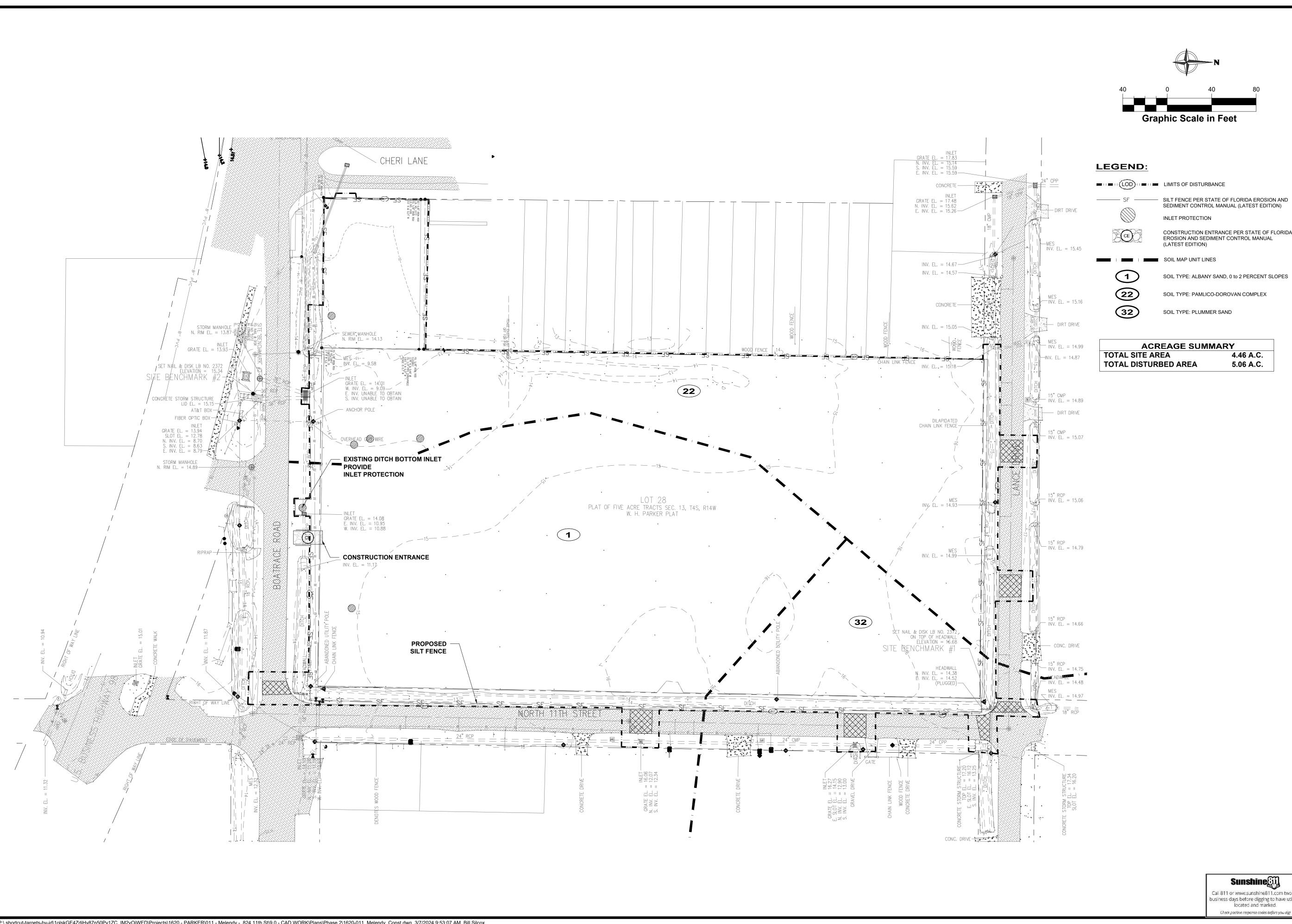
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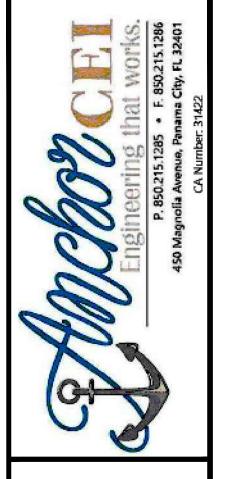
ALKING PATH

GENERAL NOI
INLAND FLOOD PRC
RETENTION PC
AND WALKING |
PARKER, FLORII

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.

Sheet No.





SILT FENCE PER STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL (LATEST EDITION)

CONSTRUCTION ENTRANCE PER STATE OF FLORIDA EROSION AND SEDIMENT CONTROL MANUAL

SOIL TYPE: PAMLICO-DOROVAN COMPLEX

4.46 A.C.

5.06 A.C.

SOIL TYPE: PLUMMER SAND

ACREAGE SUMMARY

Designed: B. Silcox

Drawn: B. Silcox Checked: E. Moore, P.E. Job No.: 1620.011

Date: 3/7/2024 © 2024

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.



STORMWATER POLLUTION PREVENTION NOTES

THESE PLANS HAVE BEEN PREPARED TO ASSIST THE CONTRACTOR IN OBTAINING COVERAGE UNDER THE FDEP GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PERMIT REQUIREMENTS AND MODIFY THESE PLANS AS NEEDED TO BE IN COMPLIANCE WITH THE PERMIT REQUIREMENTS.

SITE DESCRIPTION

A. SITE LOCATION
THE SITE IS LOCATED AT 824 N. 11TH STREET, PARKER, BAY COUNTY, FLORIDA

- SECTION 13, TOWNSHIP 4 SOUTH, RANGE 14 WEST LATITUDE: 30°07'55.3"N LONGITUDE: 85°35'45.6"W
- LATITUDE: 30°07'55.3"N LONGITUDE: 85°35'45.6"W B. SITE CONDITIONS & ACTIVITIES NARRATIVE:
- THE EXISTING CONDITION OF THE SITE IS "VACANT LAND" OR "DEVELOPED". DURING CONSTRUCTION THE SITE WILL BE CLEARED AND GRUBBED. THIS PROJECT WILL HAVE NO MAJOR EFFECT ON ANY THE ABUTTING PROPERTIES.

WETLANDS/BUFFERS

NO WETLANDS OR BUFFERS ARE ASSOCIATED WITH THIS PROJECT.

SWPPP INTENT THE INTENT OF THIS SWPPP IS TO COMPLY WITH THE INTENT OF THE GENERIC PERMIT AND TO PREVENT THE RELEASE OF SOILS, TRASH, CHEMICALS, TOXINS AND OTHER POLLUTANTS, BY WATER, AIR, VEHICLE TRANSPORT OR OTHER MEANS THAT CAN IMPACT STORM WATER QUALITY. THE CONTRACTOR SHALL ORTAIN A CORY OF THE GENERIC PERMIT AND RETAIN ON SITE FOR FUTURE PEEPENICE. THE CONTRACTOR SHALL PEAD AND

CONTRACTOR SHALL OBTAIN A COPY OF THE GENERIC PERMIT AND RETAIN ON-SITE FOR FUTURE REFERENCE. THE CONTRACTOR SHALL READ AND UNDERSTAND THE PERMIT, AND ENSURE THAT THE BMP'S ARE INSTALLED AND THE EXECUTION OF THE WORK IS PERFORMED TO MEET THE INTENT OF THE GENERIC PERMIT AND THE SWPPP.

POTENTIAL SOURCES OF POLLUTION THE POTENTIAL SOURCES OF POLLUTION THAT MAY REASONABLY BE EXPECTED TO AFFECT THE QUALITY OF STORM WATER DISCHARGE ASSOCIATED WITH CONSTRUCTION ACTIVITY INCLUDE: SEDIMENT, PESTICIDES, FERTILIZER, PLASTER, CLEANING SOLVENTS, ASPHALT, CONCRETE, GLUE, ADHESIVES, PAINTS, CURING COMPOUNDS, WOOD PRESERVATIVES, HYDRAULIC OIL FLUIDS, GASOLINE, DIESEL FUEL AND KEROSENE.

SEQUENCE OF CONSTRUCTION

THE SEQUENCE OF CONSTRUCTION HAS BEEN DEVELOPED AS A GUIDE FOR THE CONTRACTOR. THE CONTRACTOR SHALL SEQUENCE THE CONSTRUCTION AS NEEDED BASED ON BEST MEANS AND METHODS IN ORDER TO BE IN COMPLIANCE WITH STATE AND LOCAL REQUIREMENTS. THE INSTALLATION OR REMOVAL OF BMPS, EARTH DISTURBANCE, GRADING, TEMPORARY STABILIZATION AND PERMANENT STABILIZATION SHALL BE IMMEDIATELY NOTED IN THE SWPPP IMPLEMENTATION LOG. ALL TEMPORARY BMPS SHALL BE REPAIRED AND MAINTAINED UNTIL STABILIZATION HAS OCCURRED AND THERE IS NO RISK OF DISCHARGE. TEMPORARILY SEED, IMMEDIATELY AND THROUGHOUT CONSTRUCTION, DENUDED AREAS THAT WILL BE INACTIVE FOR 7 DAYS OR MORE. PERMANENTLY STABILIZE AREAS TO BE VEGETATED AS THEY ARE BROUGHT TO FINAL GRADE.

- 1. POST A COPY OF THE NOI OR LETTER FROM FDEP CONFIRMING COVERAGE UNDER THE GENERIC PERMIT, AND THE NAME AND PHONE NUMBER OF THE CONTRACTOR'S REPRESENTATIVE RESPONSIBLE FOR EROSION AND SEDIMENTATION CONTROL INSTALLATION AND MAINTENANCE ON A 24
- 2. INSTALL PERIMETER CONTROLS IMMEDIATELY DOWNSTREAM OF THE PLANNED LOCATION OF THE CONSTRUCTION EXIT.
- INSTALL STABILIZED CONSTRUCTION EXIT.
 INSTALL PERMITER CONTROLS. THE CONTRACTOR SHALL INSTALL THE REMAINING BMPS AS SHOWN AND AS REQUIRED TO MEET PERMIT REQUIREMENTS. SOME BMP INSTALLATIONS MAY NOT BE POSSIBLE AT THE BEGINNING OF THE PROJECT BUT MUST BE INSTALLED AS SOON AS
- POSSIBLE TO ENSURE COMPLIANCE.
 5. INSTALL TEMPORARY STAGING AND STORAGE AREAS.
 6. CONSTRUCT AND STABILIZE THE SEDIMENT BASINS AND SEDIMENT TRAPS WITH APPROPRIATE OUTFALL STRUCTURES, IF REQUIRED.
- CONSTRUCT AND STABILIZE HYDRAULIC CONTROLS (DITCHES, SWALES, DIKES, CHECK DAMS, ETC.), IF REQUIRED.
 BEGIN DEMOLITION, CLEARING AND GRUBBING OPERATIONS AS APPLICABLE.
 BEGIN CONSTRUCTION OF SITE IMPROVEMENTS.
- BEGIN CONSTRUCTION OF SITE IMPROVEMEN
 10. PAVE SITE AND STABILIZE PER PLAN.
- PAVE SITE AND STABILIZE FER FLAN.
 REMOVE ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER SITE HAS ACHIEVED FINAL STABILIZATION.
 SUBMIT NOTICE OF TERMINATION (NOT) ONCE ALL CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED PER PLAN.

GENERAL NOTES

- A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FILE "NOTICE OF INTENT TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM CONSTRUCTION ACTIVITIES" (DEP FORM 62-621.300(4)(B) OR LATEST VERSION) TO FDEP TO THE FOLLOWING ADDRESS OR THROUGH THE FDEP ON-LINE SYSTEM AT LEAST TWO (2) DAYS BEFORE COMMENCEMENT OF CONSTRUCTION:
- NPDES STORMWATER NOTICES CENTER, MS #2510 FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, 2600 BLAIR STONE ROAD, TALLAHASSEE. FLORIDA 32399-2400

THE CONTRACTOR SHALL SUBMIT A NOTICE OF TERMINATION (NOT) WITHIN 14 CALENDAR DAYS AFTER THE SITE HAS ACHIEVED FINAL STABILIZATION (I.E. ALL DISTURBED SOILS AT THE SITE HAVE BEEN FINAL STABILIZED), TEMPORARY BMPS HAVE BEEN REMOVED, AND STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE SITE AUTHORIZED BY THE PERMIT HAVE BEEN ELIMINATED.

AN ENVIRONMENTAL RESOURCE PERMIT IS REQUIRED FOR THE PROJECT. CONTRACTOR SHALL PROVIDE THE PERMIT INFORMATION ON THE NOI

MS4 OPERATOR NAME : CITY OF PARKER

- THE CONTRACTOR SHALL PROVIDE A COPY OF THE NOI AND SUBSEQUENT NOT OR THE ACKNOWLEDGEMENT LETTERS FOR THE NOI OR NOT TO THE MS4 WITHIN 7 DAYS OF RECEIPT. THE CONTRACTOR SHALL ALSO COORDINATE WITH THE MS4 TO ENSURE THAT ALL SPECIFIC REQUIREMENTS ARE
- B. WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES. SWALES SHALL BE CONSTRUCTED AS SHOWN ON PLANS.
- C. EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:
- I. IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
- II. NEW AND EXISTING STORMWATER INLETS AND OUTFALL STRUCTURES SHALL BE PROTECTED DURING CONSTRUCTION. PROTECTION MEASURES SHALL BE EMPLOYED IMMEDIATELY AS REQUIRED DURING THE VARIOUS STAGES OF CONSTRUCTION.
- III. PERIMETER EROSION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL FINAL SITE STABILIZATION HAS BEEN ESTABLISHED
- D. CLEARING AND GRUBBING OPERATIONS SHALL BE CONTROLLED SO AS TO MINIMIZE UNPROTECTED ERODIBLE AREAS EXPOSED TO WEATHER. GENERAL EROSION CONTROL BMP'S SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND OFF-SITE SEDIMENTATION. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED PRIOR TO ANY CONSTRUCTION ACTIVITY.
- E. THE CONTRACTOR SHALL FURNISH, INSTALL PER THE SEQUENCE OF CONSTRUCTION, MAINTAIN AND SUBSEQUENTLY REMOVE, ALL NECESSARY TEMPORARY BMPS. THE CONTRACTOR WILL FURNISH AND INSTALL ALL NECESSARY PERMANENT BMPS.
- F. THE CONTRACTOR SHALL ADJUST, ADD OR MODIFY BMPS AS NECESSARY TO COMPLY WITH THE INTENT OF THE GENERIC NPDES PERMIT AND THE SWPPP FOR NO ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER PRIOR TO ADJUSTING, ADDING OR MODIFYING BMPS THAT AFFECT THE HYDRAULICS OF THE SITE OR BEFORE ADDING BMPS NOT DETAILED IN THE SWPPP.
- G. THE CONTRACTOR IS ADVISED THAT THE CONTRACT DRAWINGS ONLY INDICATE EROSION, SEDIMENT, AND TURBIDITY CONTROLS AT LOCATIONS DETERMINED IN THE DESIGN PROCESS. HOWEVER, THE CONTRACTOR IS REQUIRED TO PROVIDE ANY ADDITIONAL CONTROLS NECESSARY TO PREVENT THE POSSIBILITY OF SILTING ANY ADJACENT LOWLAND PARCEL OR RECEIVING WATER.
- H. EROSION AND SEDIMENT CONTROL MEASURES ARE TO BE PLACED PRIOR TO, OR AS THE FIRST STEP IN CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL EROSION CONTROL MEASURES SHOWN ON THE PLANS. THE EROSION CONTROL SYSTEM DESCRIBED WITHIN THE CONSTRUCTION DOCUMENTS SHOULD BE CONSIDERED TO REPRESENT THE MINIMUM ACCEPTABLE STANDARDS FOR THIS PROJECT. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED DEPENDENT UPON THE STAGE OF CONSTRUCTION, THE SEVERITY OF THE RAINFALL EVENT AND/OR AS DEEMED NECESSARY AS A RESULT OF ON-SITE INSPECTIONS BY THE OWNER, THEIR REPRESENTATIVES, OR THE APPLICABLE JURISDICTIONAL AUTHORITIES. THESE ADDITIONAL MEASURES (IF NEEDED) SHALL BE INSTALLED AT NO ADDITIONAL COST TO THE OWNER. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BEST MANAGEMENT PRACTICES (BMPS). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN FDOT INDEXES #100 THROUGH #102 AND AS NECESSARY FOR EACH SPECIFIC APPLICATION. IT IS THE CONTRACTOR'S ULTIMATE RESPONSIBILITY TO ASSURE THAT THE STORMWATER DISCHARGE FROM THE SITE DOES NOT EXCEED THE TOLERANCES ESTABLISHED BY ANY OF THE APPLICABLE JURISDICTIONAL AUTHORITIES.
- I. THE CONTRACTOR SHALL KEEP THE SWPPP CURRENT AT ALL TIMES. THE CONTRACTOR SHALL SIGN AND DATE ANY CHANGES TO THE SWPPP AND KEEP THEM AS ATTACHMENTS TO THE ORIGINAL PLAN. WHENEVER ANY OF THE FOLLOWING EVENTS OCCUR, THE CONTRACTOR SHALL UPDATE THE SWPPP WITHIN 7 DAYS:
- I. THERE IS A CHANGE IN DESIGN, CONSTRUCTION OPERATION OR MAINTENANCE THAT HAS A SIGNIFICANT EFFECT ON THE DISCHARGE FROM THE PROJECT
- PROJECT
 II. THERE IS A NEW DISCHARGE POINT OUR OUTFALL
- III. THERE IS A CHANGE IN THE LOCATION OF A DISCHARGE POINT OF OUTFALL
 IV. AN INSPECTION REVEALS THAT BMPS ARE INEFFECTIVE AT ELIMINATING OR MINIMIZING POLLUTANTS IN THE STORMWATER DISCHARGED FROM THE
- SITE.

 V. THERE IS A NEW SUBCONTRACTOR IMPLEMENTING ANY PORTION OF THE SWPPP.

MEASURES FILL OUT THE CONTRACTOR / SUBCONTRACTOR CERTIFICATION TABLE INCLUDED IN THIS SWPPP.

- V. THERE IS A NEW SUBCONTRACTOR IMPLEMENTING ANY PORTION OF THE SWPPP
 VI. A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR GREATER THAN A REPORTABLE QUANTITY OCCURS DURING A
- J. THE CONTRACTOR SHALL ENSURE THAT THE CONTRACTOR AND ALL SUBCONTRACTORS RESPONSIBLE FOR IMPLEMENTING SWPPP CONTROL
- K. THE CONTRACTOR SHALL COMPLETE THE CONSTRUCTION SEQUENCE TABLE INCLUDING IN THIS SWPPP PRIOR TO PROCEEDING WITH THE INSTALLATION OF BMPS AND PRIOR TO GROUND DISTURBING ACTIVITIES. THE CONTRACTOR SHALL COMPLETE THE TABLE WITH ANTICIPATED DATES IN WHICH THE BMP WILL BE UTILIZED OR THE ACTIVITY WILL OCCUR.

TURBIDITY

- A. TURBIDITY REDUCTION TO NO MORE THAN 29 NTUs ABOVE BACKGROUND LEVEL PRIOR TO DISCHARGE OFF SITE.
- B. CONTRACTOR TO FILE FOR A FDEP NOTICE OF INTENT (NOI) WITHIN 14 DAYS OF CONSTRUCTION COMPLETION.

STABILIZATION

- A. STABILIZATION MEASURES SHALL BE INITIATED IMMEDIATELY IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED AND WILL REMAIN UNDISTURBED FOR 7 DAYS OR MORE. STABILIZE BY COVERING WITH ADEQUATE AMOUNTS OF MULCH OVER SEED AND PERIODICALLY WATER TO PROMOTE AND MAINTAIN GROWTH OF THE TEMPORARY GROUNDCOVER, OR BY THE USE OF AN APPROPRIATE ALTERNATIVE BMP.
- B. PERMANENT SOIL EROSION CONTROL MEASURES FOR ALL SLOPES, CHANNELS, DITCHES OR ANY DISTURBED LAND AREAS SHALL BE COMPLETED IMMEDIATELY AFTER FINAL GRADING. WHEN IT IS NOT POSSIBLE TO PERMANENTLY PROTECT A DISTURBED AREA IMMEDIATELY AFTER GRADING OPERATIONS, TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED. ALL TEMPORARY PROTECTION SHALL BE MAINTAINED UNTIL PERMANENT MEASURES ARE IN PLACE AND ESTABLISHED.
- C. ALL GRASS SLOPES CONSTRUCTED STEEPER THAN 4H:1V SHALL BE SODDED IMMEDIATELY AFTER FINAL GRADE IS ESTABLISHED.

DUST CONTROL

- A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.
- B. AS REQUIRED AFTER COMPLETION OF CONSTRUCTION, BARE EARTH AREAS SHALL BE VEGETATED.
- AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FENCES.

WASTE MANAGEMENT

- A. THE CONTRACTOR SHALL ENSURE THAT ALL WASTE AND DEBRIS ARE MANAGED DAILY SUCH THAT THEY WILL NOT IMPACT STORMWATER OR LEAVE THE PERMITTED AREA, AND DISPOSED OF PROPERLY IN ACCORDANCE WITH APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS.
- B. THE CONTRACTOR SHALL ENSURE THAT ALL CHEMICALS, OILS, FUELS, HAZARDOUS WASTE, UNIVERSAL WASTE AND TOXIC SUBSTANCES ARE PROPERLY MANAGED AND DISPOSED OF IN ACCORDANCE WITH APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. THE CONTRACTOR SHALL ENSURE THAT WASTE IS NOT DISCHARGED FROM THE SITE, AND DOES NOT IMPACT STORMWATER OR GROUNDWATER.
- C. THE CONTRACTOR SHALL PROVIDE APPROPRIATE AND ADEQUATE WASHOUT FACILITIES TO ENSURE THAT CHEMICALS AND WASTE IS NOT DISCHARGED FROM THE SITE, AND DO NOT IMPACT STORMWATER OR GROUNDWATER. (E.G. CONCRETE/MASONRY WASHOUT, PAINT WASHOUT, EIFS, ETC.) THE CONTRACTOR SHALL CLEAN UP SPILLS PROMPTLY AND ENSURE THAT WASHOUT AREAS ARE PROPERLY MAINTAINED TO PROVIDE ADEQUATE VOLUME TO PREVENT OVERFLOW.
- D. THE CONTRACTOR SHALL PROVIDE ADEQUATE SANITARY FACILITIES FOR SITE PERSONNEL, MAINTAIN THROUGHOUT CONSTRUCTION, AND PROVIDE FOR PROPER DISPOSAL IN ACCORDANCE WITH APPLICABLE STATE, LOCAL AND FEDERAL REGULATIONS. SANITARY FACILITIES SHALL BE PROPERLY SECURED TO PREVENT TIPPING.
- E. A SPILL CONTROL AND CONTAINMENT KIT (CONTAINING FOR EXAMPLE, ABSORBENT MATERIAL SUCH AS KITTY LITTER OR SAWDUST, ACID, BASE, NEUTRALIZING AGENT, BROOMS, DUST PANS, MOPS, RAGS, GLOVES, GOGGLES, PLASTIC AND METAL TRASH CONTAINERS, ETC.) SHALL BE PROVIDED AT THE CONSTRUCTION SITE AND IT'S LOCATION(S) SHALL BE IDENTIFIED WITH LEGIBLE SIGNAGE SHOWN ON THE SITE MAPS.
 A. THE SPILL CONTROL AND CONTAINMENT KIT SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE SITE AT ANY GIVEN TIME.
- F. WHEN A SPILL OF REPORTABLE QUANTITIES IS DISCOVERED ON THE SITE, THE CONTRACTOR SHALL CLEAN UP ALL SPILLED MATERIALS AND DISPOSE OF IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE AUTHORITIES IN ACCORDANCE WITH APPLICABLE LAWS AND REGULATIONS, THE OWNER AND PROJECT ENGINEER. THE CONTRACTOR SHALL RETAIN CLEANUP INFORMATION AS WELL AS DISPOSAL MANIFESTS WITH THEIR SWPPP.

MATERIALS MANAGEMENT, AND EQUIPMENT STAGING AND MAINTENANCE

- A. EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN LOCATIONS WHERE IT COULD BE WASHED AWAY BY HIGH WATER OR STORM WATER RUNOFF. STOCKPILED MATERIAL SHALL BE COVERED OR ENCIRCLED WITH SEDIMENT CONTAINMENT DEVICES.
- B. HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGNED TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OR OIL, GREASE, LUBRICANTS, OR OTHER CONTAMINANTS. CONTRACTOR SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS IMMEDIATELY AFTER ANY OCCURRENCE.
- C. THE CONTRACTOR SHALL ENSURE THAT ALL TOXIC / HAZARDOUS SUBSTANCES AND CHEMICALS ARE PROPERLY STORED, OUT OF THE WEATHER, AND USED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL ENSURE THAT THESE PRODUCTS ARE STORED AND USED IN SUCH A MANNER THAT WILL NOT NEGATIVELY IMPACT STORMWATER, GROUNDWATER OR PROTECTED SPECIES.
- D. THE CONTRACTOR SHALL ENSURE THAT ALL MATERIALS, EQUIPMENT, DEBRIS, WASTE, TRAILERS, AND OTHER SUPPORT RELATED ITEMS ARE CONTAINED WITHIN THE PERMITTED LIMITS OF DISTURBANCE. THE CONTRACTOR SHALL ENSURE THAT THE STORAGE AND USE OF SUCH ITEMS DOES NOT NEGATIVELY IMPACT STORMWATER OR GROUNDWATER.

OFFSITE VEHICLE TRACKI

A. THE CONTRACTOR SHALL ENSURE THAT THE CONSTRUCTION EXIT IS USED BY ALL VEHICLES AND EQUIPMENT ENTERING OR LEAVING THE JOBSITE. THE CONTRACTOR SHALL MONITOR AND MAINTAIN THE CONSTRUCTION EXIT TO ENSURE THAT NO SOILS ARE TRACKED OFFSITE BY TIRES OR TRACKS, AND THAT NO SOILS ARE SPILLED BY TRUCKS OR EQUIPMENT LEAVING THE SITE. ALL TRACKED OR SPILLED SOILS SHALL BE SHOVELED OR SWEPT FROM THE ROADWAY AND RETURNED TO THE SITE. WATER SHALL NOT BE USED TO CLEAN THE SOILS FROM THE ROADWAY UNLESS THE WATER AND SOILS ARE RECOVERED BY THE USE OF A VACUUM TRUCK OR SIMILAR DEVICE.

FERTILIZERS, HERBICIDES AND PESTICIDES

- A. THE CONTRACTOR SHALL ENSURE THAT ALL FERTILIZERS, HERBICIDES, PESTICIDES AND SIMILAR PRODUCTS ARE PROPERLY STORED, OUT OF THE WEATHER, AND APPLIED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. THE CONTRACTOR SHALL ENSURE THAT THESE PRODUCTS ARE USED IN SUCH A MANNER THAT WILL NOT NEGATIVELY IMPACT STORMWATER, GROUNDWATER OR PROTECTED SPECIES.
- B. NUTRIENTS SHALL BE APPLIED ONLY AT RATES NECESSARY TO ESTABLISH AND MAINTAIN VEGETATION.

INSPECTIONS AND MAINTENANCE

- A. THE CONTRACTOR SHALL INSPECT BMPS (I.E. DISCHARGE LOCATIONS, CONSTRUCTION EXIT, PERIMETER CONTROLS, INLET PROTECTION, STABILIZATION, EROSION CONTROL, DOCUMENTATION, WASTE DISPOSAL AREAS, MATERIAL STORAGE AREAS, ETC.) TO ENSURE THAT BMPS ARE NOT CAUSING OR CONTRIBUTION TO VIOLATIONS OF WATER QUALITY STANDARDS OR RESULTING IN OFFSITE SEDIMENTATION; ENSURE THAT BMPS ARE INSTALLED, MAINTAINED AND OPERATING CORRECTLY AND EFFECTIVELY; ENSURE THAT BMPS ASSOCIATED WITH STORAGE AND WASTE DISPOSAL AREAS ARE BEING USED AND MAINTAINED PROPERLY; ENSURE THAT THE CONSTRUCTION EXIT IS FUNCTION PROPERLY TO PREVENT OFFSITE TRACKING OF SEDIMENT; ENSURE THAT EROSION PREVENTION MEASURES ARE MAINTAINED TO PREVENT VISIBLE EROSION OF DISTURBED AREAS AND SEDIMENTATION AT THE DISCHARGE POINTS; AND DETERMINE IF CONSTRUCTION ACTIVITIES HAVE ALTERED THE EFFECTIVENESS OF BMPS. INSPECTIONS MUST BE COMPLETED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS, AND WITHIN 24 HOURS AFTER A RAINSTORM OF 0.50 INCHES OR GREATER EVEN IF IT RAINS ON THE WEEKEND OR A HOLIDAY.
- B. THE CONTRACTOR SHALL REPORT ALL INSPECTION FINDINGS AND CORRECTIVE ACTIONS TAKEN AS A RESULT OF THE INSPECTION USING THE STORMWATER POLLUTION PREVENTION PLAN INSPECTION REPORT FORM PROVIDED BY FDEP OR AN EQUIVALENT FORM. INSPECTION REPORTS SHALL BE SIGNED BY THE INSPECTOR AND A RESPONSIBLE AUTHORITY AS DEFINED BY THE PERMIT. INSPECTION REPORTS SHALL BE MAINTAINED WITH THE SWPPP. THE INSPECTOR MUST BE A QUALIFIED EROSION AND SEDIMENT CONTROL INSPECTOR AS DEFINED BY THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION.
- C. ANY MAINTENANCE, REPAIR AND NECESSARY REVISIONS TO BMP ITEMS SHALL BE ADDRESSED IN A TIMELY MANNER, BUT IN NO CASE LATER THAN 7 CALENDAR DAYS FOLLOWING THE INSPECTION OR IDENTIFICATION OF THE ISSUE. UNLESS OTHERWISE SPECIFIED, ACCUMULATED SEDIMENTS SHOULD BE REMOVED BEFORE THEY REACH ONE-HALF OF THE CAPACITY OF THE CONTROL DEVICE.

ALLOWABLE NON-STORMWATER DISCHARGES

- THE GENERIC PERMIT FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES PROHIBIT MOST NON-STORMWATER DISCHARGES DURING THE CONSTRUCTION PHASE. CERTAIN DISCHARGES ARE ALLOWED BY THE PERMIT, PROVIDED APPROPRIATE BMP'S ARE UTILIZED AND THE DISCHARGE DOES NOT CAUSE OR CONTRIBUTE TO A VIOLATION OF WATER QUALITY STANDARDS. ALLOWABLE NON-STORMWATER DISCHARGES THAT OCCUR DURING CONSTRUCTION ON THIS PROJECT PER PART 3.2 OF THE GENERIC PERMIT ARE:
- DISCHARGES FROM FIRE FIGHTING ACTIVITIES.
 FIRE HYDRANT FLUSHING.
- WATERS WITHOUT DETERGENTS USED TO SPRAY OFF LOOSE SOLIDS FROM VEHICLES. WATERS USED TO CONTROL DUST.
- POTABLE WATER SOURCES SUCH AS WATERLINE FLUSHING.
- LANDSCAPE IRRIGATION AND DRAINAGE.
 ROUTINE EXTERNAL BUILDING WASH-DOWN PROVIDED NO DETERGENTS ARE USED.
- PAVEMENT WASH-WATERS THAT DO NOT CONTAIN DETERGENTS, LEAKS, SPILLS OF TOXIC OR HAZARDOUS MATERIALS. AIR CONDITIONING CONDENSATE.
- SPRING WATER.
 FOUNDATION OR FOOTING DRAIN FLOWS THAT ARE NOT CONTAMINATED WITH PROCESS MATERIAL SUCH AS SOLVENTS.
- NON-CONTAMINATED GROUND WATER ASSOCIATED WITH DEWATERING ACTIVITIES AS DESCRIBED IN PART 3.4 OF THE GENERIC PERMIT.

 Stormwater Team

											Deach Priori Name		
											Company		
											Contractor:		
CONSTRUCTION SEQUE	ENC	ING	TABLE	Ξ							Contractor's Responsible		
ANTICIPATED CONSTRUCTION SEQUENCE*	JAN	FEB	MAR AP	R MA	YJUN	JUL	AUG SEP	ОСТ	NOV	DEC	Authority:		
CONSTRUCTION ENTRANCE											Qualified Inspector(s):		
TEMPORARY CONTROL MEASURES											, , ,		
STORM FACILITIES											Maintenance Personnel:		
ROUGH GRADE / SEDIMENT CONTROL													
FOUNDATION / BUILDING CONSTRUCTION													
SITE CONSTRUCTION											The contractor shall complete t	his table	identifying the
FINISH GRADING											individuals of	mo cabic	identifying the
PERMANENT CONTROL MEASURES											the stormwater team and their	recoonsil	nilities
* THIS IS ONLY A GUIDE, CONTRACTOR IS TO	USE I	HIS JU	IDGMENT	ТО М	ODIFY	AS N	IEEDED.				line stormwater team and their	reshousir	JIIICIES.

CONTRACTOR / SUBCONTRACTOR CERTIFICATION TABLE

THIS SWPPP MUST CLEARLY IDENTIFY, FOR EACH MEASURE IDENTIFIED WITHIN THE SWPPP, THE CONTRACTOR(S) OR SUBCONTRACTOR(S) WHO WILL IMPLEMENT EACH MEASURE. ALL CONTRACTOR(S) AND SUBCONTRACTOR(S) IDENTIFIED IN THE SWPPP MUST SIGN THE FOLLOWING CERTIFICATION:

"I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN."

Name / Signature	Title	Phone Number	Date	

Company Name Address and

NOTE: CONTRACTOR TO ADD SHEETS TO CERTIFICATION TABLE AS NECESSARY.

SWPPP IMPLEMENTATION LOG

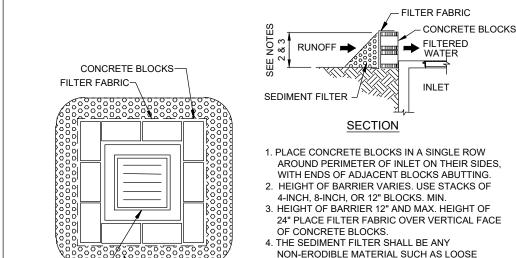
A RECORD OF DATES WHEN BMPs ARE INSTALLED OR REMOVED, STABILIZATION MEASURES ARE INITIATED, MAJOR GRADING ACTIVITIES OCCUR, AND CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON PORTIONS OF THE SITE. THIS FORM MUST BE UPDATED CONTINUOUSLY THROUGHOUT THE PROJECT UNTIL THE NOTICE OF TERMINATION (NOT) IS FILED.

NOTE CONTRACTOR TO ARR CHIEFTO	TO THE OWNER IN A PHENITATIO	NI LOO AO NEOEGO A DV	I	NOTE CONTRACTOR TO ARR CHIEFTO TO THE CHARRY INDICATED AND ACADECECCARY								

LOCATION

NOTE: CONTRACTOR TO ADD SHEETS TO THE SWPPP IMPLEMENTATION LOG AS NECESSARY

NOTE: AVOID USING IN TRAFFIC AREAS AS THIS CAN CAUSE A HAZARD.



- SEDIMENT FILTER

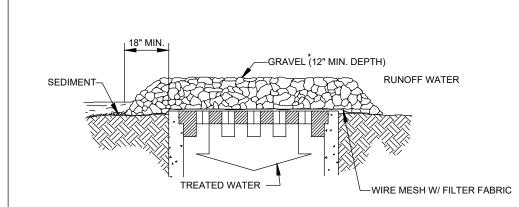
DESCRIPTION OF ACTIVITY

BLOCK AND AGGREGATE INLET SEDIMENT FILTER

ROCK, BROKEN CONCRETE THAT WILL SLOW THE FLOW OF THE WATER AND ALLOW IT TO

FILTER THROUGH AND OVER THE MATERIAL

BEFORE ENTERING THE INLET

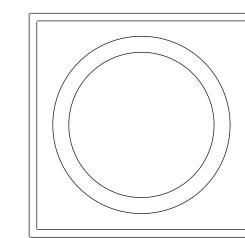


SPECIFIC APPLICATION

THIS METHOD OF INLET PROTECTION IS APPLICABLE WHERE HEAVY CONCENTRATED FLOWS ARE EXPECTED, BUT NOT WHERE PONDING AROUND THE STRUCTURE MIGHT CAUSE EXCESSIVE INCONVENIENCE OR DAMAGE TO ADJACENT STRUCTURES AND UNPROTECTED ACRES.

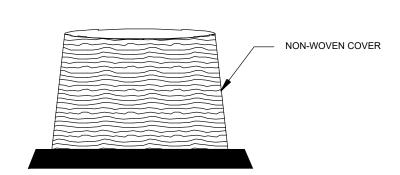
* GRAVEL SHALL BE 2"-3" CLEAN STONE

GRAVEL & WIRE MESH INLET SEDIMENT FILTER

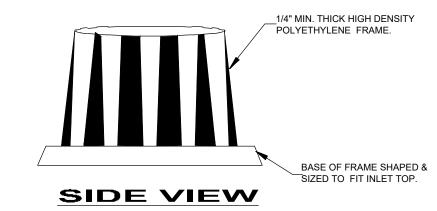


CONTRACTOR

TOP VIEW



BEGIN DATE | END DATE



TYPICAL CONSTRUCTION SEQUENCE FOR DOME FRAME & COVER

EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE

 PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.

3. SLIDE THE COVER OVER THE FRAME.

4. FILL THE COVER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE COVER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.

5. BACK FILL AROUND THE FRAME AND COVER ASSEMBLY IS NOT REQUIRED TO

COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

COMPLETE INSTALLATION; HOWEVER, BACKFILLING MAY BE NECESSARY TO

DOMED INLET PROTECTION (PREFABRICATED)



ELIZABETH S. MOORE, PE
on March 7, 2024
using a digital signature.
Printed copies of this document
are not considered signed and
sealed and the signature must be
verified on any electronic copies.

Elizabeth S. Moore, PE

Designed: B. Silcox
Drawn: B. Silcox
Checked: E. Moore, P.E.

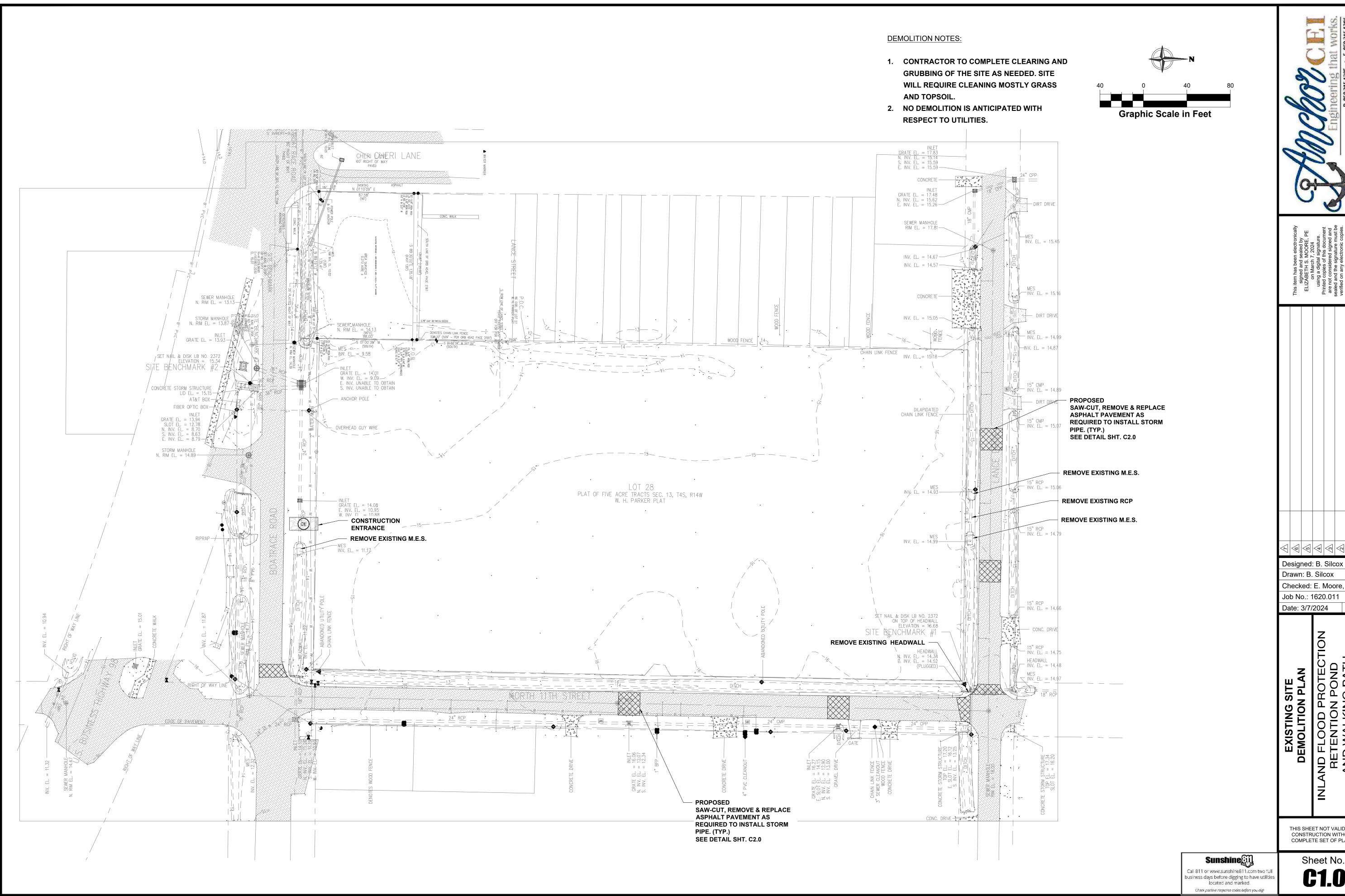
Job No.: 1620.011

Date: 3/7/2024

REVENTION PLAN
FLOOD PROTECTIC
FLOOD PROTECTIC
FTENTION POND

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.

Sheet No.



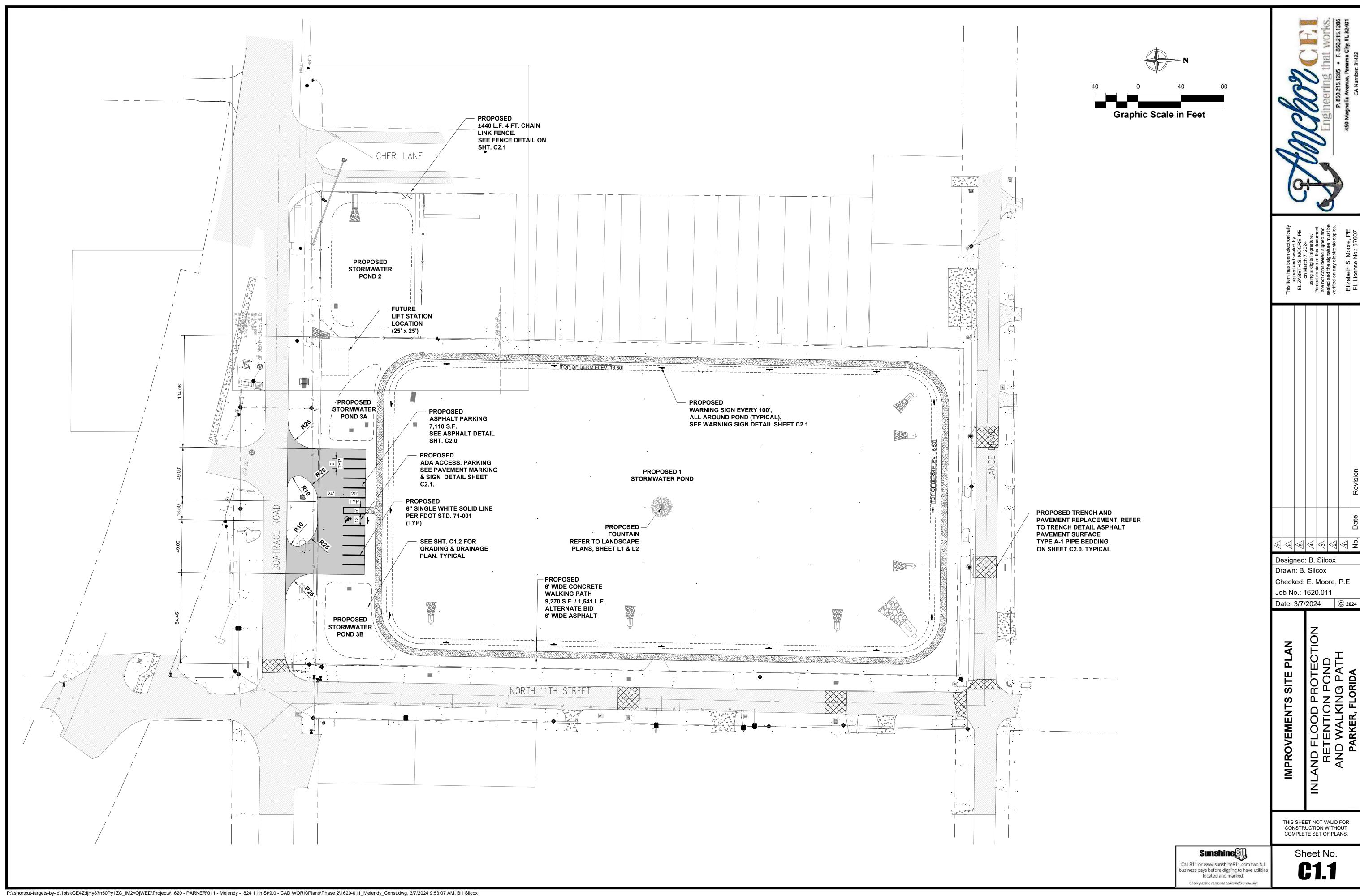
P:\.shortcut-targets-by-id\1olskGE4ZdjHy87n50Py1ZC_IM2vOjWED\Projects\1620 - PARKER\011 - Melendy - 824 11th St\9.0 - CAD WORK\Plans\Phase 2\1620-011_Melendy_Const.dwg, 3/7/2024 9:53:07 AM, Bill Silcox

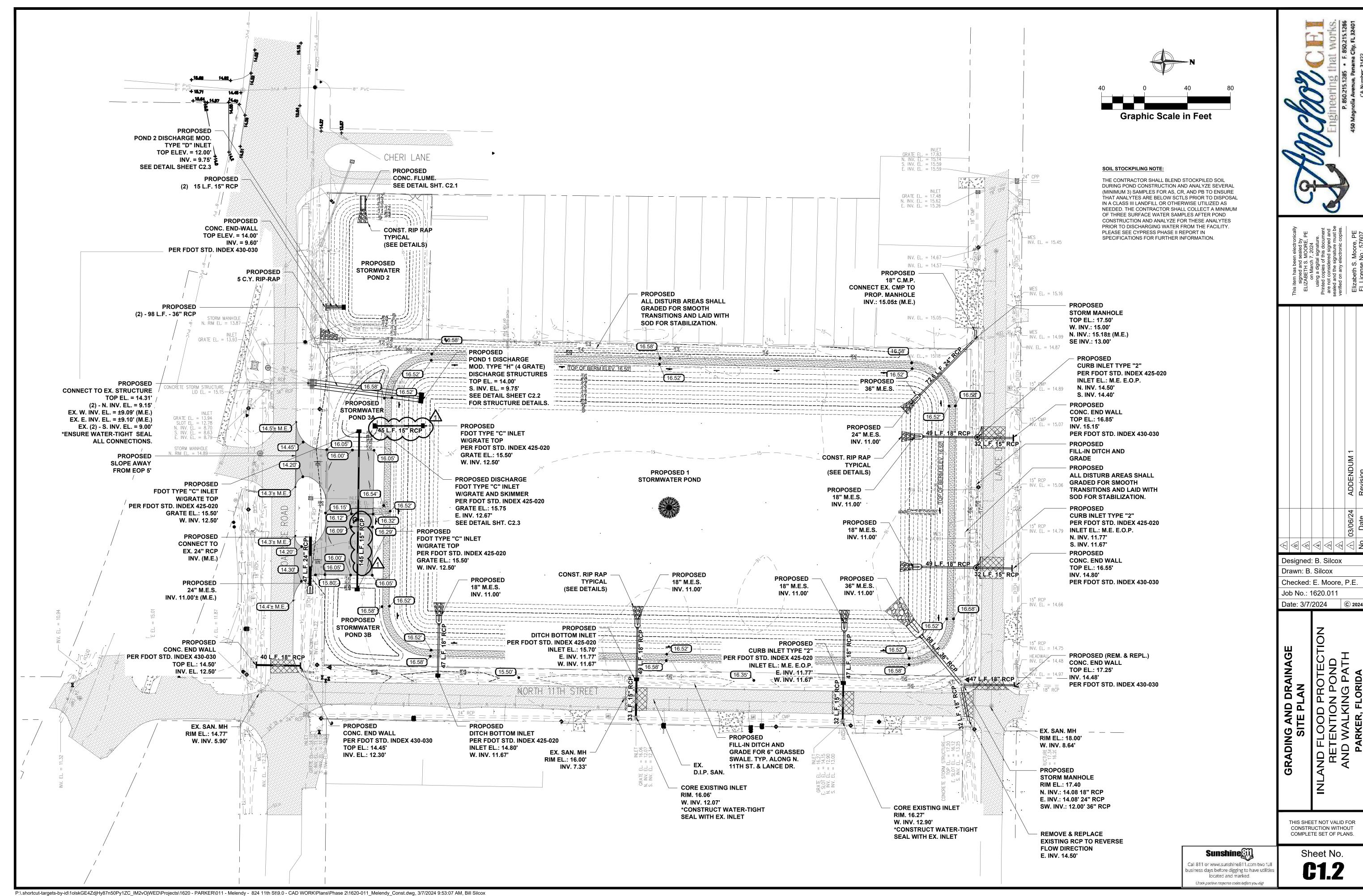
Drawn: B. Silcox Checked: E. Moore, P.E.

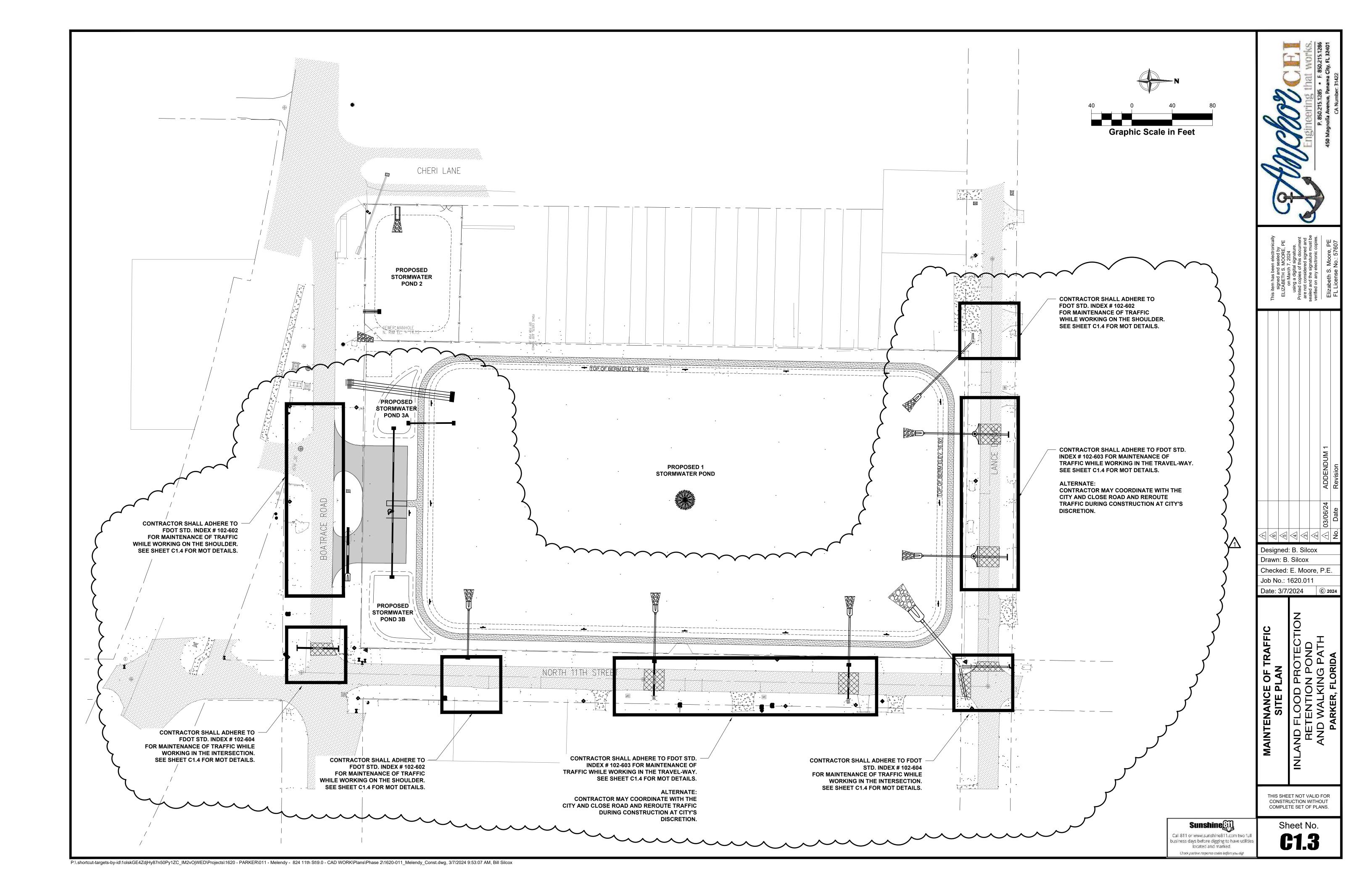
Date: 3/7/2024 © 2024

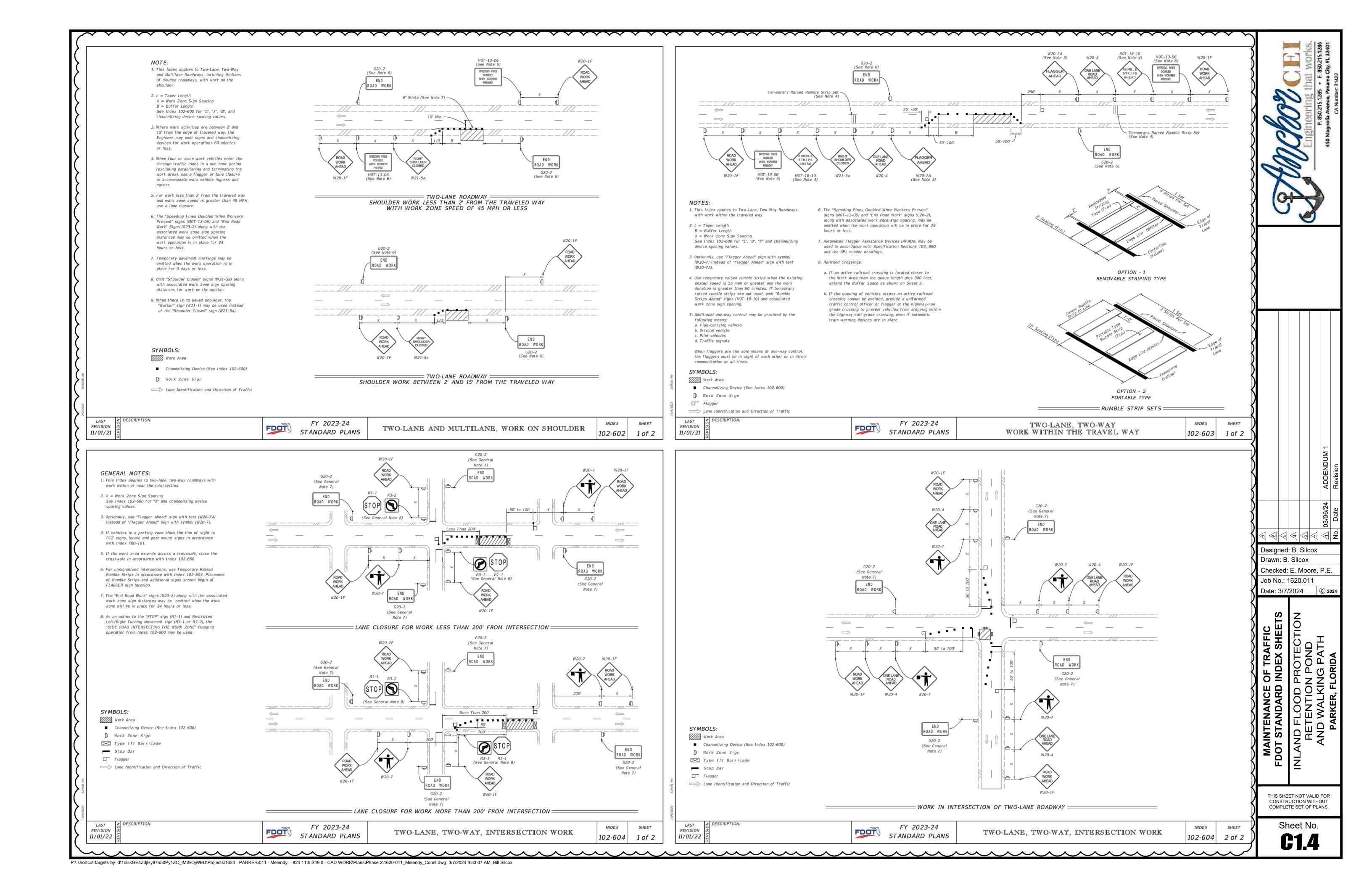
THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.

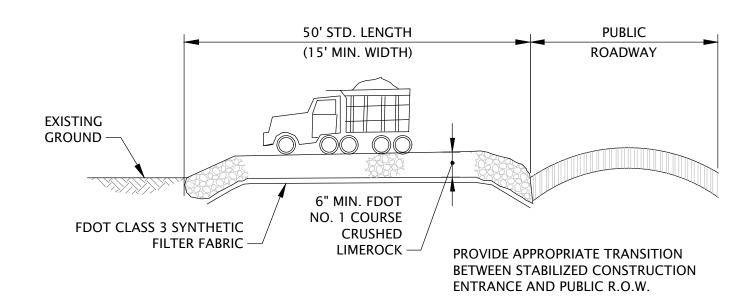
Sheet No.



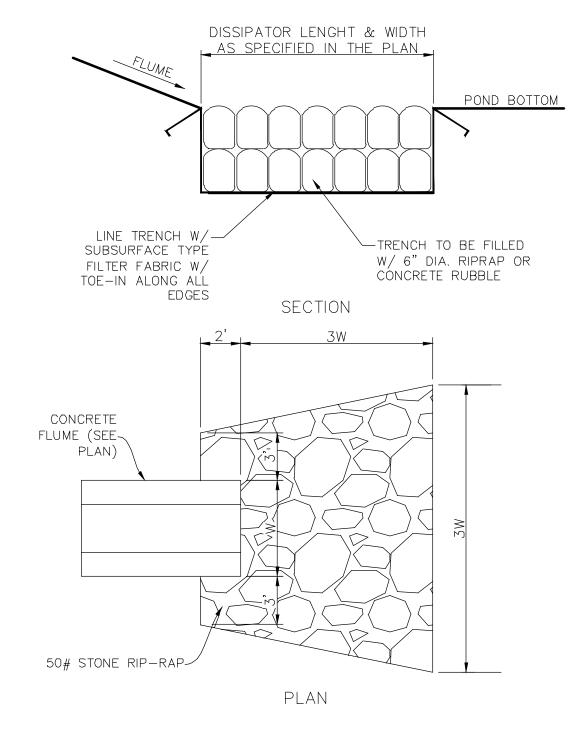




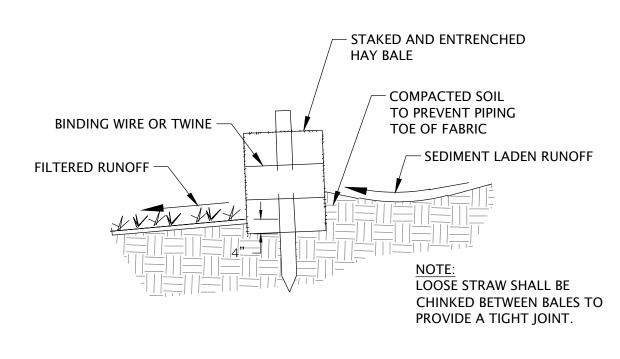




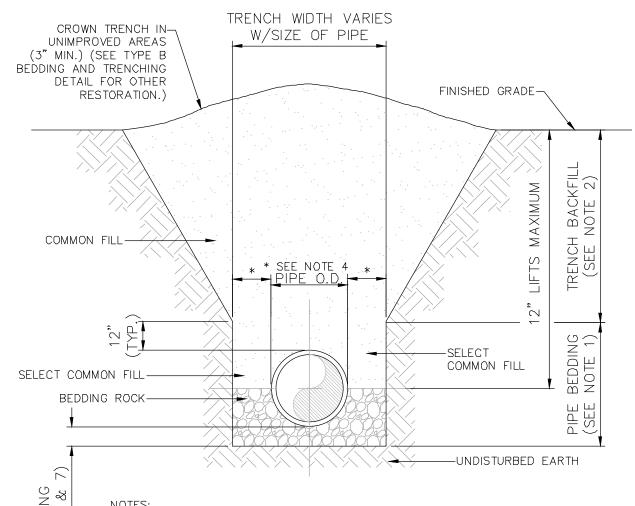
STABILIZED CONSTRUCTION **ENTRANCE**



STORM DRAIN OUTLET **PROTECTION**

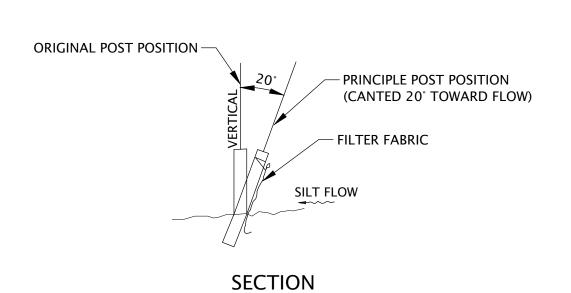


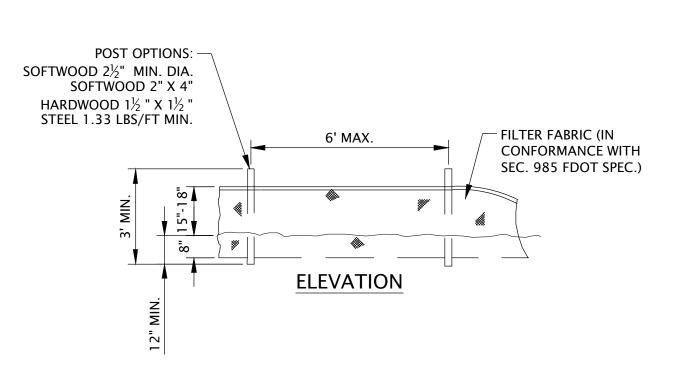
STAKED **HAY BALE**



- PIPE BEDDING: SELECT COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
- 2. TRENCH BACKFILL: COMMON FILL COMPACTED TO 95% OF THE MAXIMUM DENSITY AS PER AASHTO T-180.
- 3. USE TYPE A BEDDING TO BE DETERMINED IN THE FIELD AS DIRECTED BY THE CITY.
- 4. (*): 15" MAX. FOR PIPE DIAMETER LESS THAN 24", AND 24" MAX. FOR PIPE DIAMETER 24" AND LARGER.
- 5. ALL PIPE TO BE INSTALLED WITH BELL FACING UPSTREAM TO THE DIRECTION OF THE
- 6. GRAVITY SEWERS SHALL UTILIZE TYPE A BEDDING, IF REQUIRED BY THE CITY. BEDDING DEPTH SHALL BE 4" MINIMUM FOR PIPE DIAMETER LESS THAN 15", AND 6" MINIMUM PIPE DIAMETER 16" AND LARGER.
- 7. DEPTH FOR REMOVAL OF UNSUITABLE MATERIAL SHALL GOVERN DEPTH OF BEDDING ROCK BELOW THE PIPE. CITY SHALL DETERMINE IN THE FIELD REQUIRED REMOVAL OF UNSUITABLE MATERIAL TO REACH SUITABLE FOUNDATION.

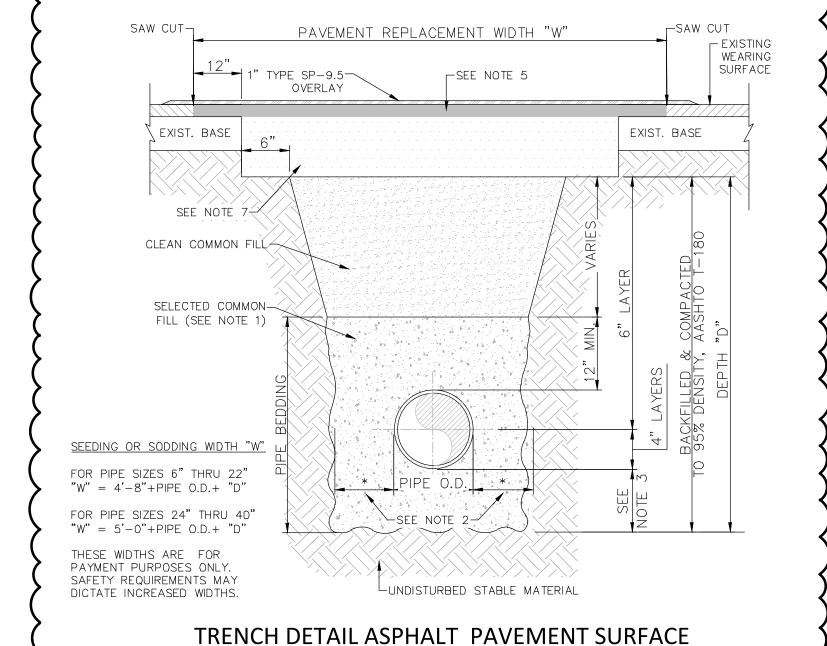
TRENCH DETAIL TYPE A BEDDING





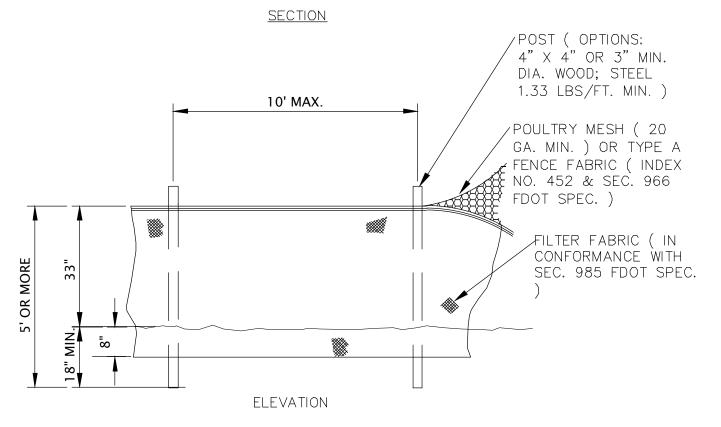
1. USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.

- 2. 10" MAX. FOR PIPE DIAMETERS LESS THAN 24"; 12" MAX. FOR PIPE DIAMETER 24" AND LESS THAN 42"; 24" MAX. FOR PIPE DIAMETER 42" AND OVER.
- 3. 4" MAX. FOR PIPE 16" DIAMETER & LESS; 6" MAX. FOR PIPE 18" TO 36" DIAMETER; AND 9" MAX. FOR PIPE 42" DIAMETER AND LARGER.
- 4. INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS.
- 5. WEARING SURFACE TO BE SAME TYPE & THICKNESS (1-1/2" MIN.) AS EXISTING PAVEMENT. 6. DELETED.
- 7. BASE SHALL BE 8" MINIMUM THICKNESS LIME—ROCK OR CRUSHED CONCRETE BASE, OR APPROVED EQUAL.
- 8. BACKFILL AASHTO M-145 SHALL BE PLACED IN LAYERS NOT TO EXCEED 6 INCHES. EACH LAYER SHALL BE THOROUGHLY TAMPED AND/OR ROLLED TO 95% AASHTO T-180 DENSITY.
- 9. TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIMES. PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.
- 10. NOTES 5 THRU 9 ARE MINIMUM REQUIREMENTS. REFER TO F.D.O.T. ROADWAY AND TRAFFIC DESIGN STANDARDS FOR ADDITIONAL REQUIREMENTS.



TYPE A-1 PIPE BEDDING

/ PRINCIPLE POST POSITION (CANTED 20° TOWARD FLOW) POULTRY MESH OR TYPE A FENCE FABRIC / FILTER FABRIC SILT FLOW



TYPE IV SILT FENCE

Designed: B. Silcox Drawn: B. Silcox

Checked: E. Moore, P.E. Job No.: 1620.011 Date: 3/7/2024 © 2024

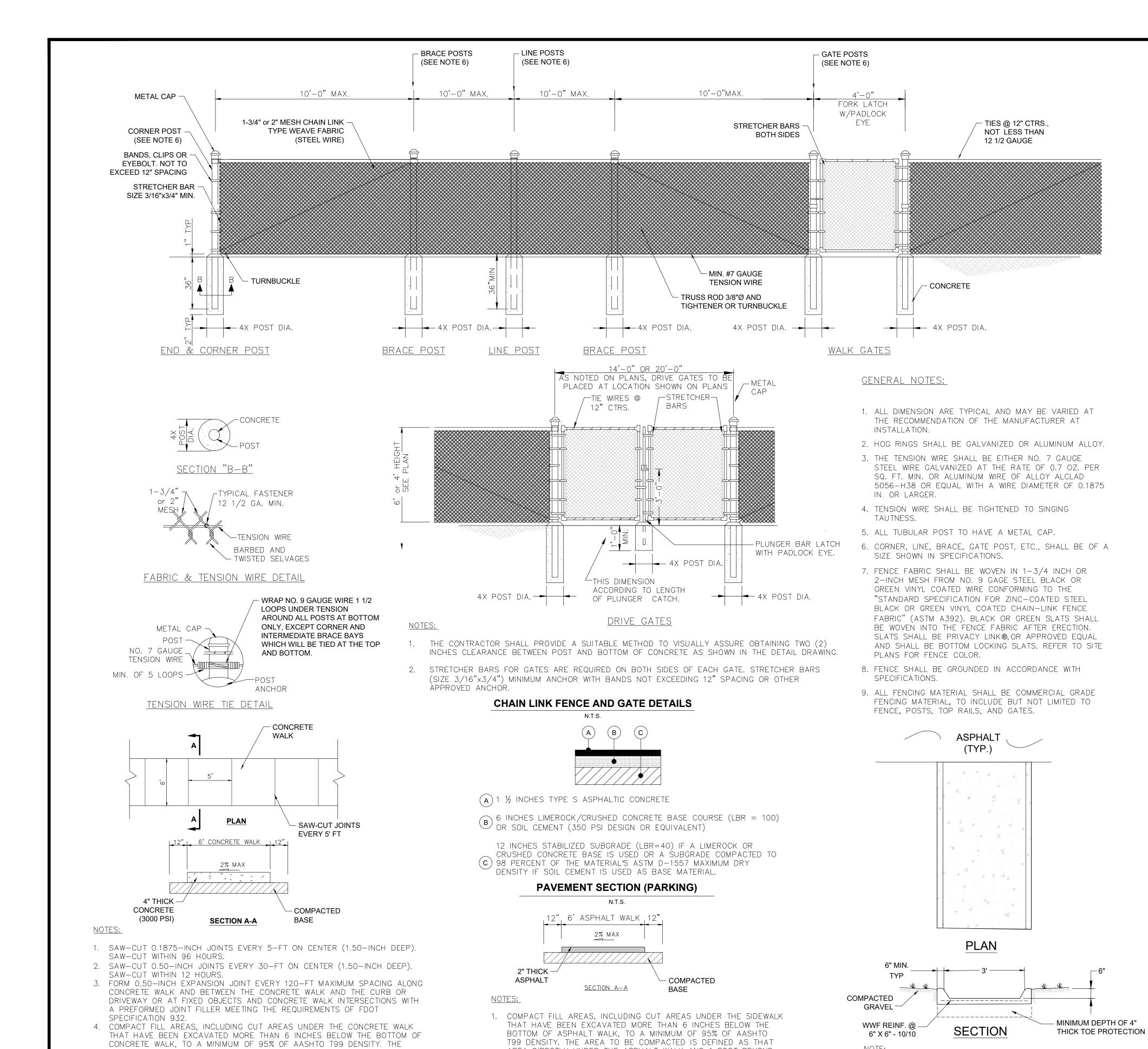
DET

CONSTRUCTION

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.

Sheet No. **C2.0**

TYPE III SILT FENCE



AREA DIRECTLY UNDER THE ASPHALT WALK AND 1 FOOT BEYOND

2. ASPHALT WALK TO BE 4-IN THICK ACROSS ALL DRIVEWAYS.

ALTERNATE ASPHALT WALK DETAIL

EACH SIDE OF THE ASPHALT WALK.

NOTE:

1. FLUME SHALL EXTEND DOWN TO THE BOTTOM OF THE POND.

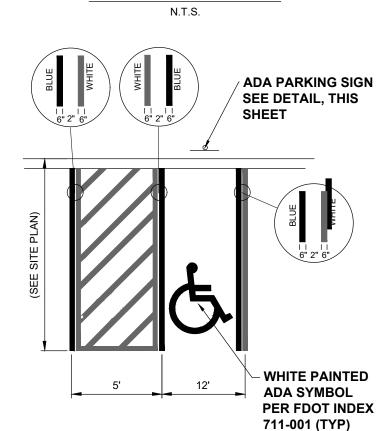
RECTANGULAR CONCRETE FLUME

ADA SIGN AS REQUIRED BY LOCAL AND STATE ORDINANCES. - 3 LB. CHANNEL POST PARKING BY -FINE PANEL WORDING TO BE PER STATE OR PERMIT LOCAL REQUIREMENTS. CONCRETE FILLED POST \$250 FINE \$100 FINE CITY ORD. 3211 F.S. 318.14 SIGNS USED AS PER FLORIDA STATUTES FTP-25-04 PER FS 316.1955, FS 316.1956 VAN ACCESSIBLE SUPPLEMENTAL PANEL TO **BE USED AS PER LOCAL REQUIREMENTS WHEN**

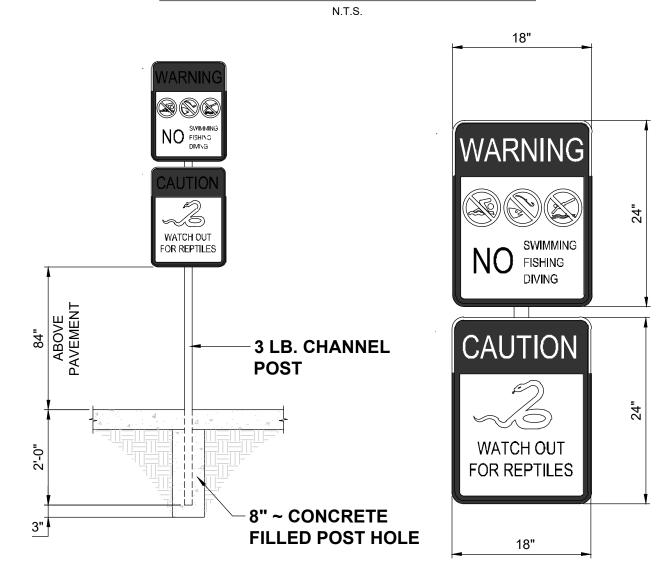
NOTES: (HANDICAP SIGN ONLY)

- 1. THE SIGN'S FACE SHALL BE OF AN ENGINEERING GRADE REFLECTORIZED MATERIAL
- 2. ALL LETTERS ARE 1 INCH SERIES "C" PER THE MUTCD.
- 3. THE TOP PORTION OF THE SIGN SHALL HAVE A BLUE BACKGROUND WITH A WHITE LEGEND
- 4. THE BOTTOM PORTION OF THE SIGN SHALL HAVE A WHITE BACKGROUND WITH A BLACK OPAQUE LEGEND AND BORDER.
- 5. THE FINE NOTIFICATION SIGN SHALL HAVE A WHITE BACKGROUND WITH A BLACK OPAQUE LEGEND AND BORDER.
- 6. ONE SIGN SHALL BE REQUIRED FOR EACH PARKING SPACE.
- 7. EACH SIGN SHALL HAVE A CLEARANCE OF 7 FEET FROM THE BOTTOM OF THE SIGN TO FINAL GRADE OR THE TOP OF CURB, WHICHEVER IS GREATER. SIGNS SHALL NOT BE FARTHER THAN 5 FEET FROM THE FRONT OF THE PARKING SPACE.
- 8. ALL SIGNS SHALL BE MOUNTED ON 3 POUND CHANNEL POSTS. SIGNS MAY BE MOUNTED ON BUILDINGS WITH CITY APPROVAL.

ACCESSIBLE SIGN



TYPICAL ADA PARKING SPACE DETAIL



WARNING SIGN DETAIL

Designed: B. Silcox Drawn: B. Silcox

Checked: E. Moore, P.E.

Job No.: 1620.011 Date: 3/7/2024 © 2024

> DET CONSTRUC

THIS SHEET NOT VALID FOR CONSTRUCTION WITHOUT COMPLETE SET OF PLANS.

Sheet No. **C2.1**

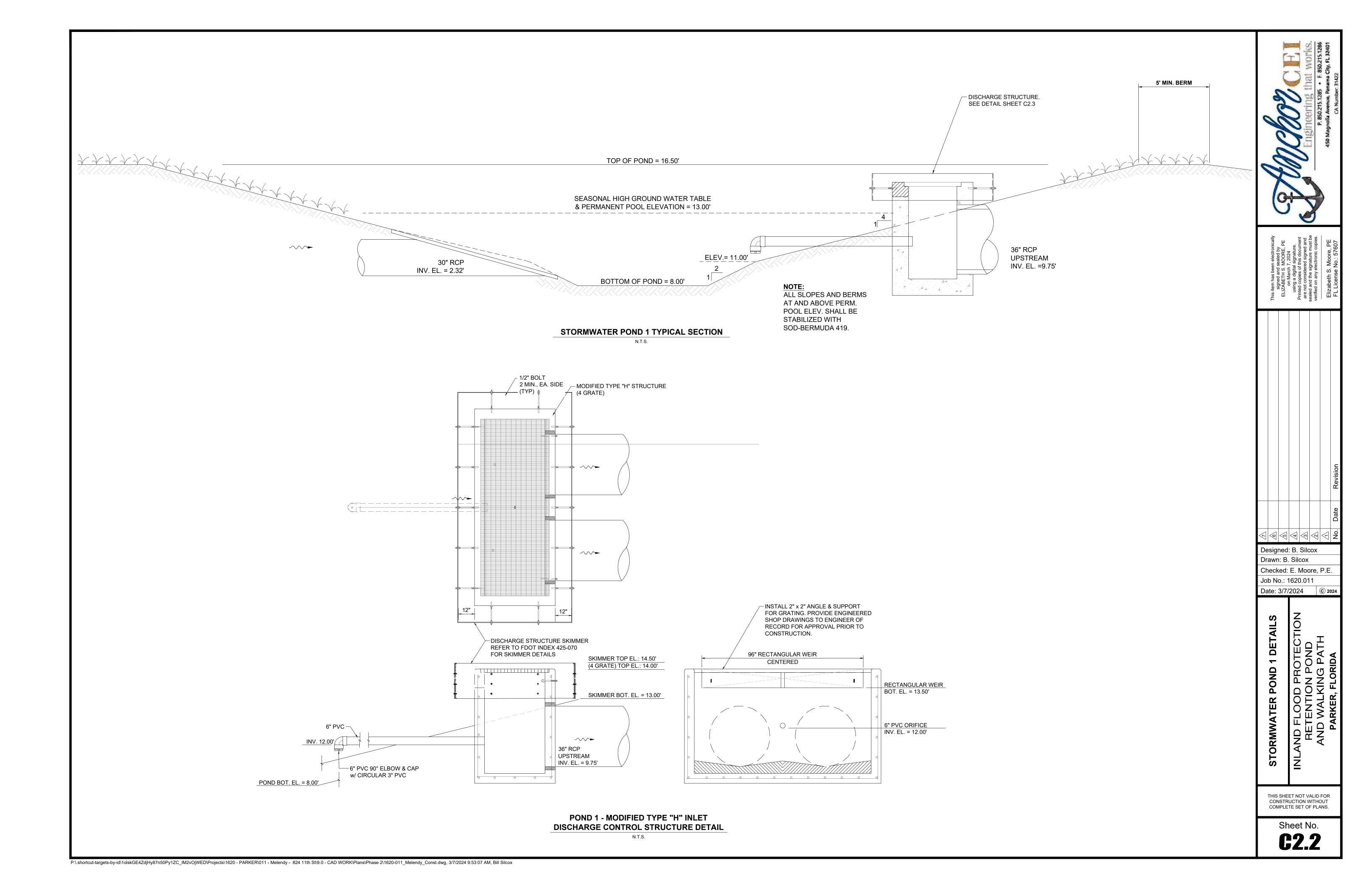
P:\.shortcut-targets-by-id\1olskGE4ZdjHy87n50Py1ZC_IM2vOjWED\Projects\1620 - PARKER\011 - Melendy - 824 11th St\9.0 - CAD WORK\Plans\Phase 2\1620-011_Melendy_Const.dwg, 3/7/2024 9:53:07 AM, Bill Silcox

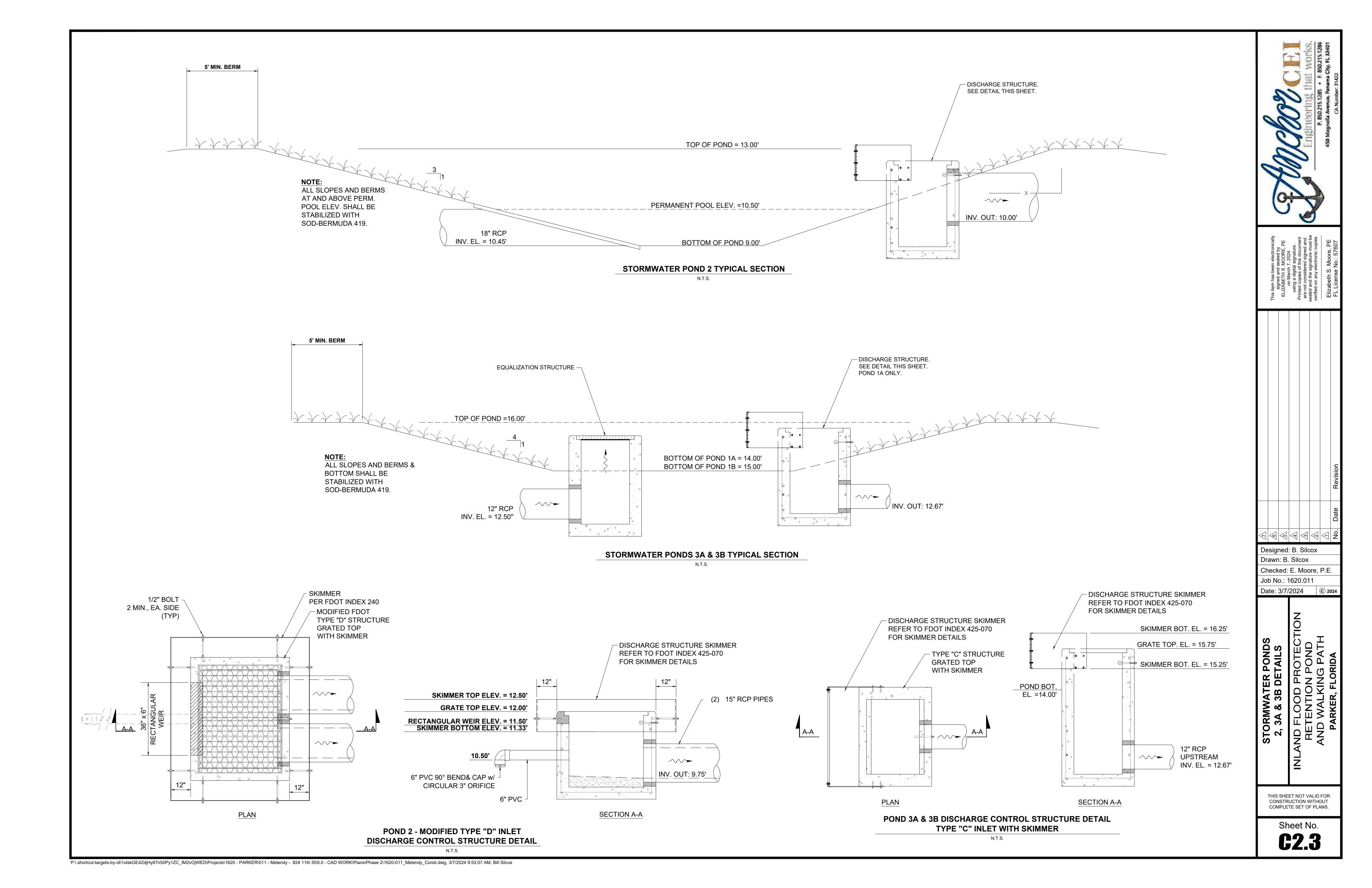
AREA TO BE COMPACTED IS DEFINED AS THAT AREA DIRECTLY UNDER THE

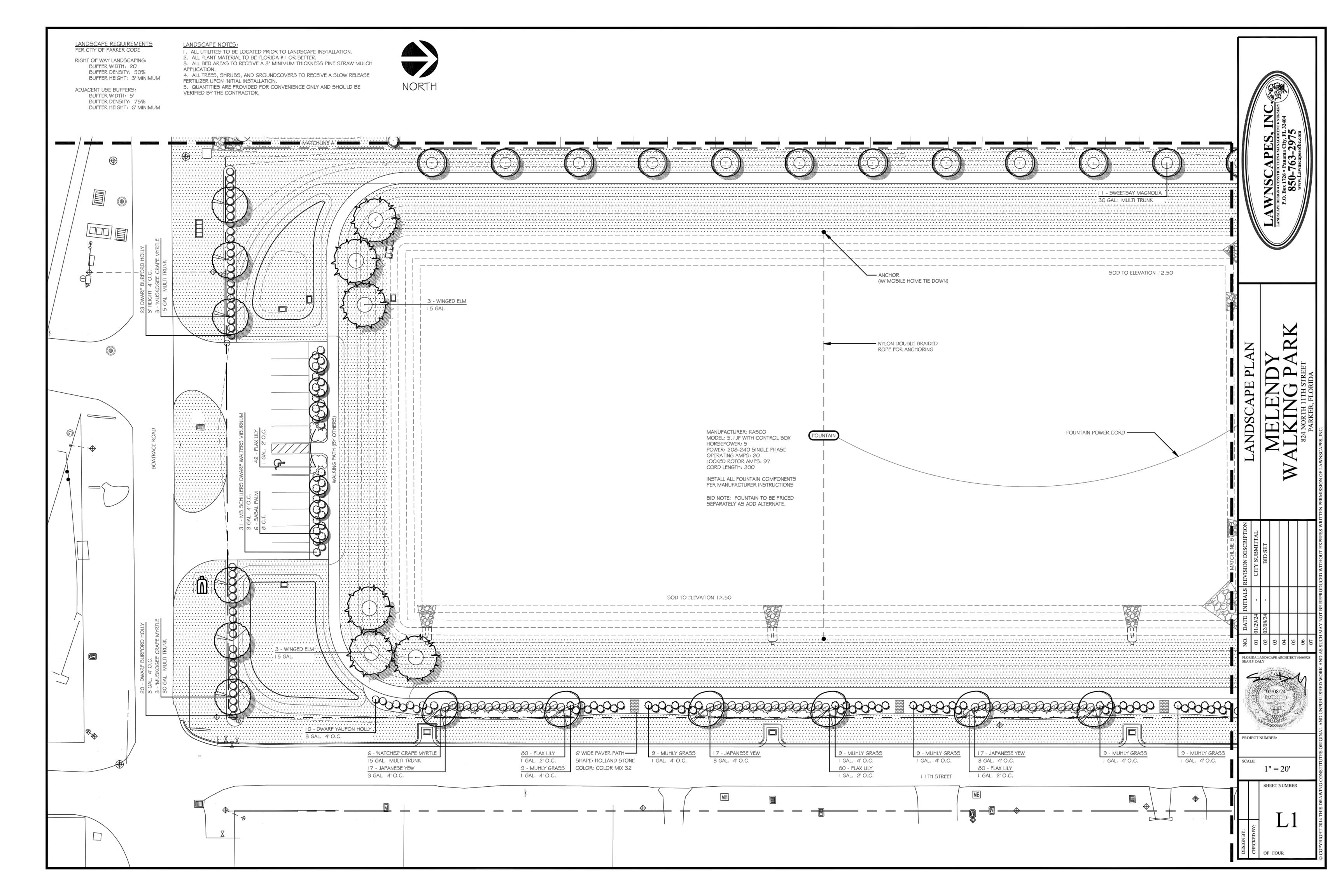
5. CONCRETE CONCRETE WALK TO BE 6-IN THICK ACROSS ALL DRIVEWAYS

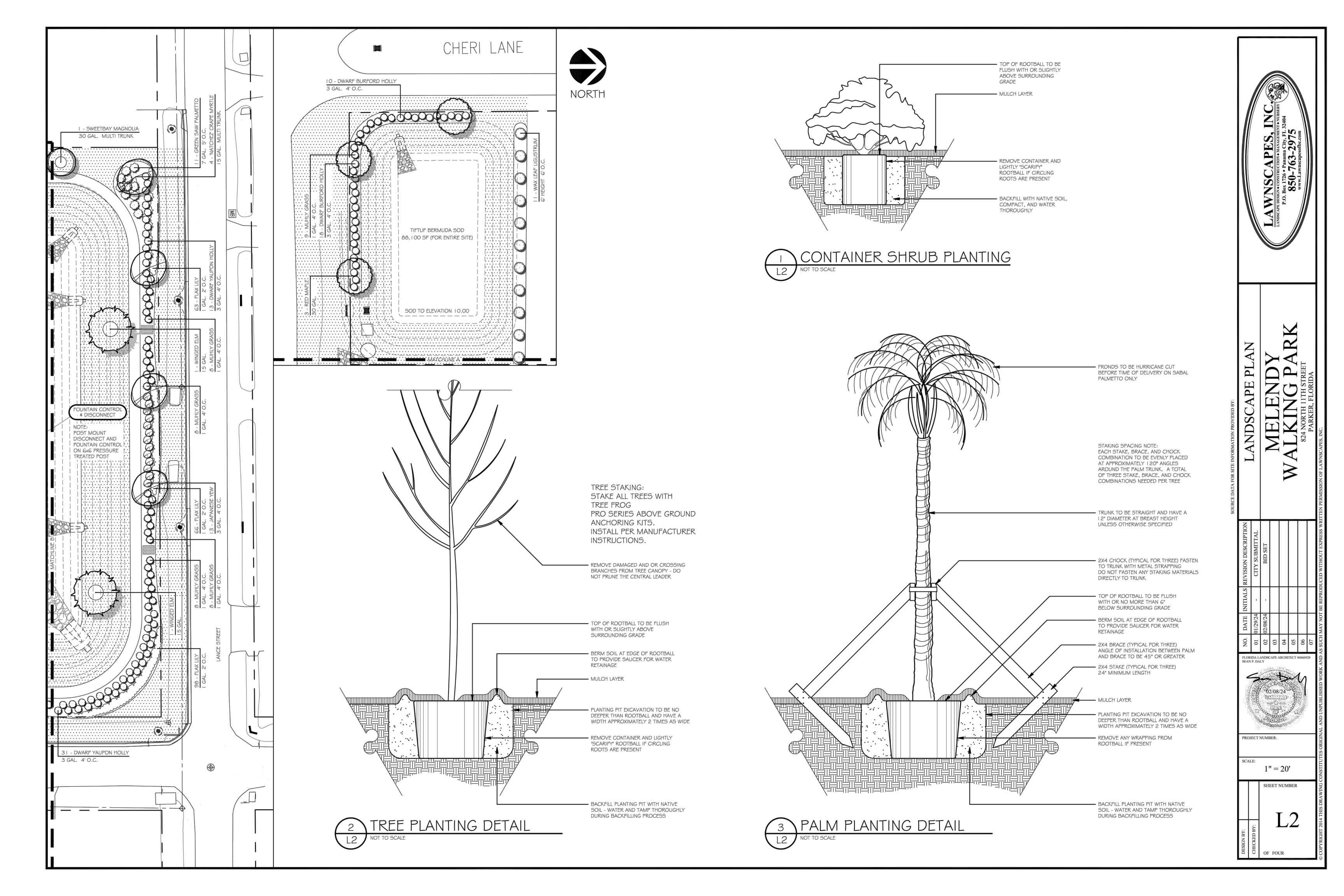
CONCRETE WALK DETAIL

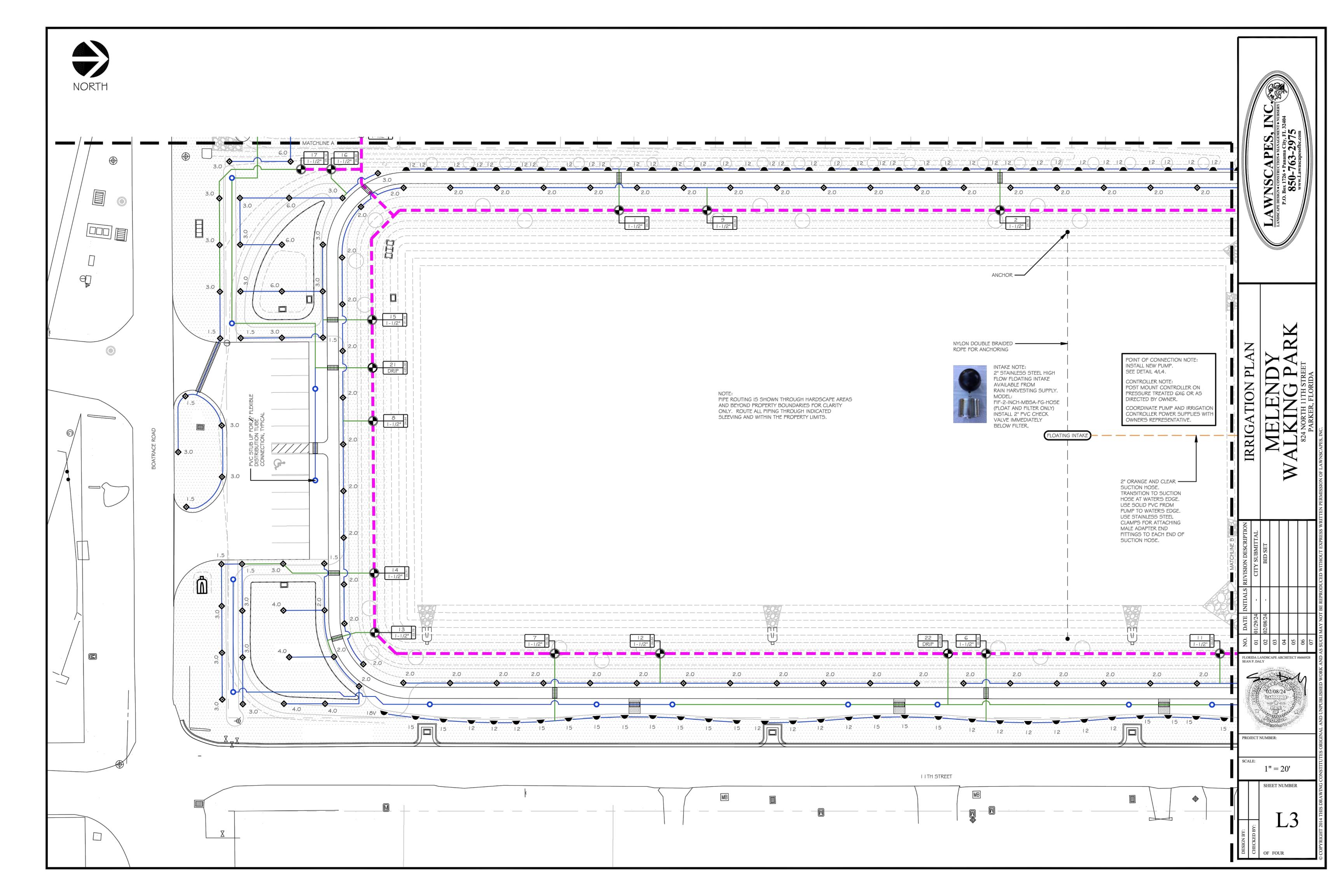
CONCRETE WALK AND 1 FOOT BEYOND EACH SIDE OF THE CONCRETE WALK.

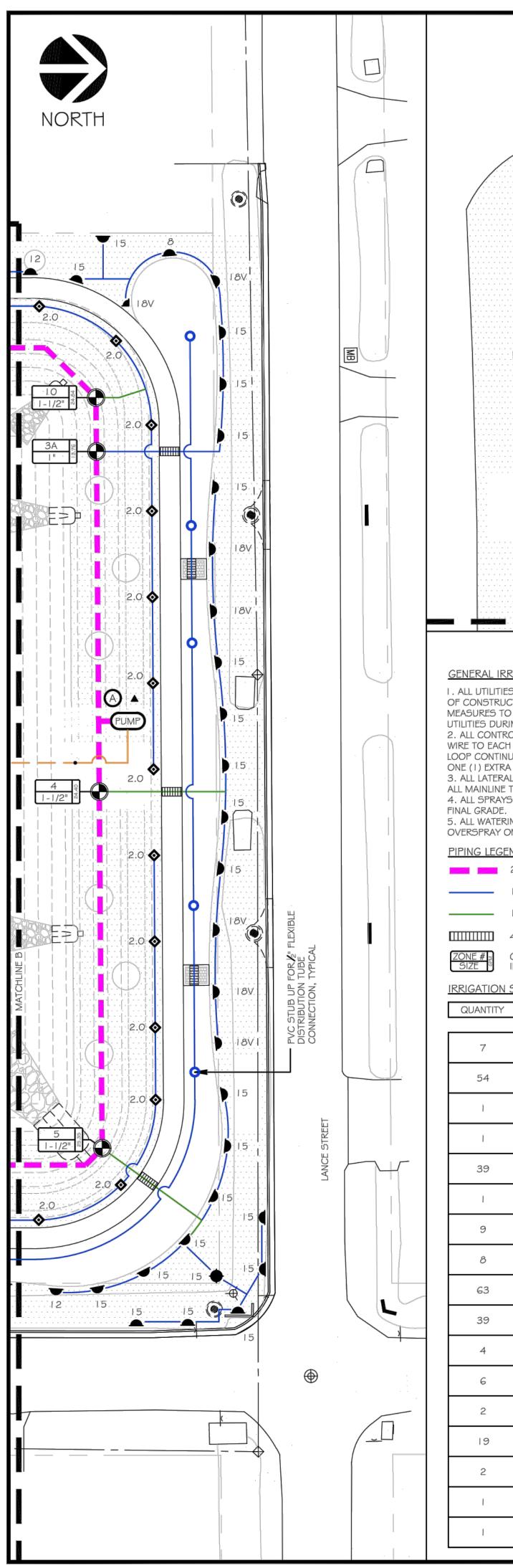




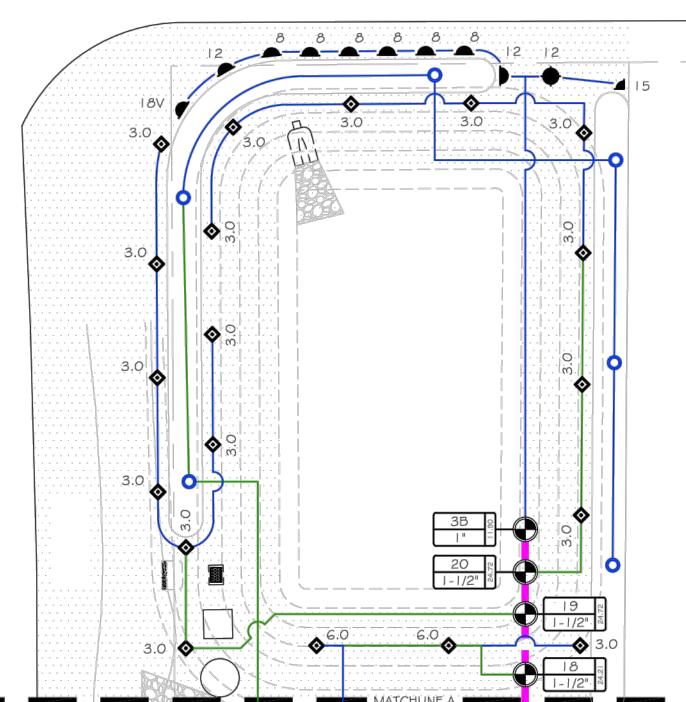








CHERI LANE



GENERAL IRRIGATION NOTES

I. ALL UTILITIES TO BE LOCATED BEFORE COMMENCEMENT OF CONSTRUCTION. APPLY NECESSARY PROTECTIVE MEASURES TO REDUCE POSSIBILITY OF DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION.

2. ALL CONTROL WIRE TO BE 14 GAUGE INSTALL ONE (1) RED WIRE TO EACH CONTROL VALVE, ONE (1) COMMON WHITE TO LOOP CONTINUOUSLY THROUGHOUT THE WIRE PATH, AND ONE (I) EXTRA BLUE WIRE TO RUN PARALLEL WITH COMMON. 3. ALL LATERAL LINES TO MAINTAIN A 8" MINIMUM DEPTH. ALL MAINLINE TO MAINTAIN A MINIMUM 12" DEPTH. 4. ALL SPRAYS AND ROTORS TO BE MOUNTED FLUSH WITH

OVERSPRAY ONTO ADJACENT BUILDINGS OR HARDSCAPE.

2" - CLASS 200 MAINLINE

_______ I" - CLASS 200 LATERAL ______ I - I/4" - CLASS 200 LATERAL

4" SCH. 40 SLEEVE CONTROL VALVE IDENTIFICATION TAG

7 GAL. I @ 5.0 GPH 15 GAL. 2 @ 5.0 GPH 30 GAL. 3 @ 5.0 GPH 45 GAL. 3 @ 10.0 GPH 65 GAL. 3 @ 10.0 GPH 100 GAL. 4 @ 10.0 GPH PALMS 3 @ 10.0 GPH

WATER SOURCE: PUMP

PLANT SIZE

J GAL. OR LESS

DESIGN VOLUME: 30 GPM

DESIGN PRESSURE: 65 PSI

REFERENCE THE FOLLOWING TABLE FOR

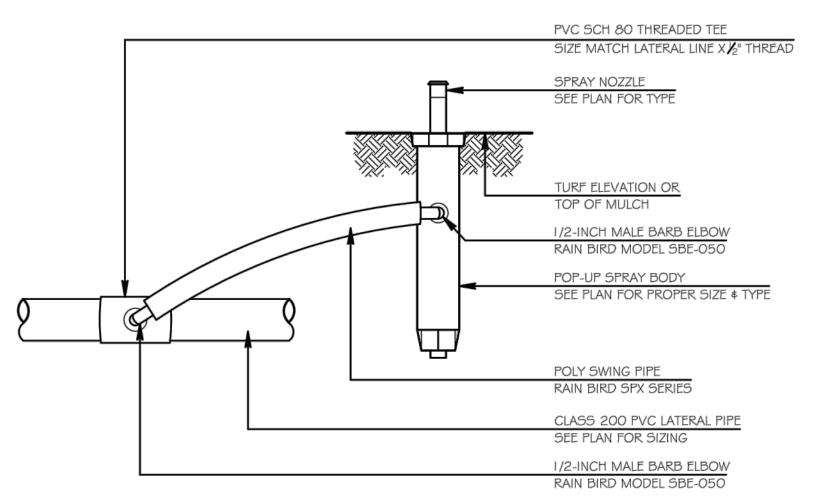
DRIP EMITTER INSTALLATION PER PLANT

EMITTER QTY/FLOW

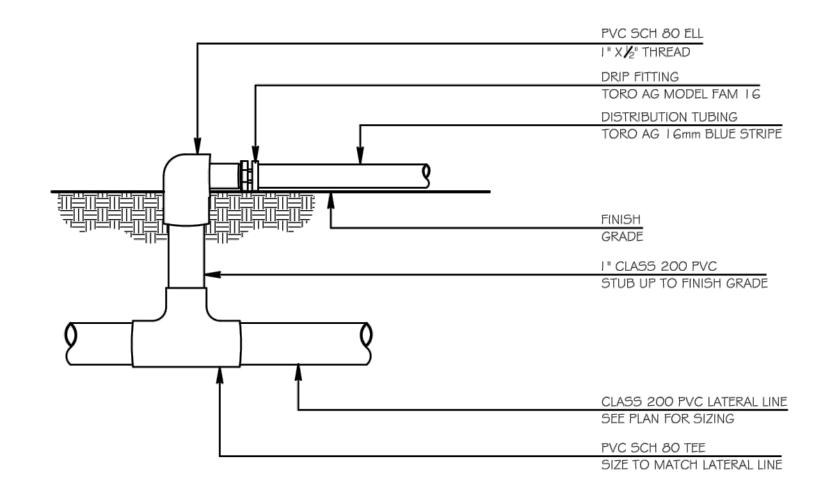
I @ 0.5 GPH

IRRIGATION SCHEDULE

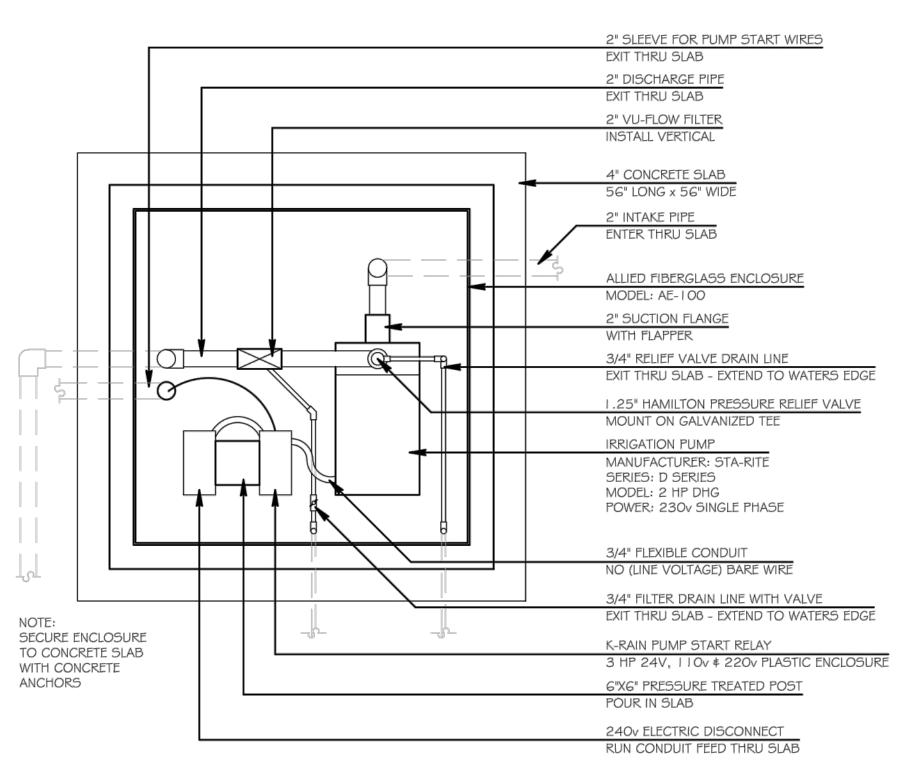
RIGATION 5		CITE I DECC	L DEC COURTION	I MANUEL CEUDED
QUANTITY	SYMBOL	SIZE / DESC.	DESCRIPTION	MANUFACTURER
7	•	8	1804-8H	RAINBIRD
54	•	12	1804-12H	RAINBIRD
1	•	12	1804-12F	RAINBIRD
1	•	15	1804-15Q	RAINBIRD
39	•	15	1804-15H	RAINBIRD
1	•	15	1804-15F	RAINBIRD
9	•	18V	1804-18VAN	RAINBIRD
8	♦	1.5	5004-PC W/ 1.5 NOZZLE	RAINBIRD
63	♦	2.0	5004-PC W/ 2.0 NOZZLE	RAINBIRD
39	♦	3.0	5004-PC W/ 3.0 NOZZLE	RAINBIRD
4	♦	4.0	5004-PC W/ 4.0 NOZZLE	RAINBIRD
9	♦	6.0	5004-PC W/ 6.0 NOZZLE	RAINBIRD
2		l n	I " CONTROL VALVE I 00-DV-SS	RAINBIRD
19		1-1/2"	I - I/2" CONTROL VALVE I 50-PGA	RAINBIRD
2	•	DRIP	I - I /2" DRIP VALVE XCZ- I 50-LCS	RAINBIRD
1	(A)	-	22 STATION CONTROLLER ESP-Me	RAINBIRD
1	A	-	RAIN SENSOR MINI-CLIK	HUNTER



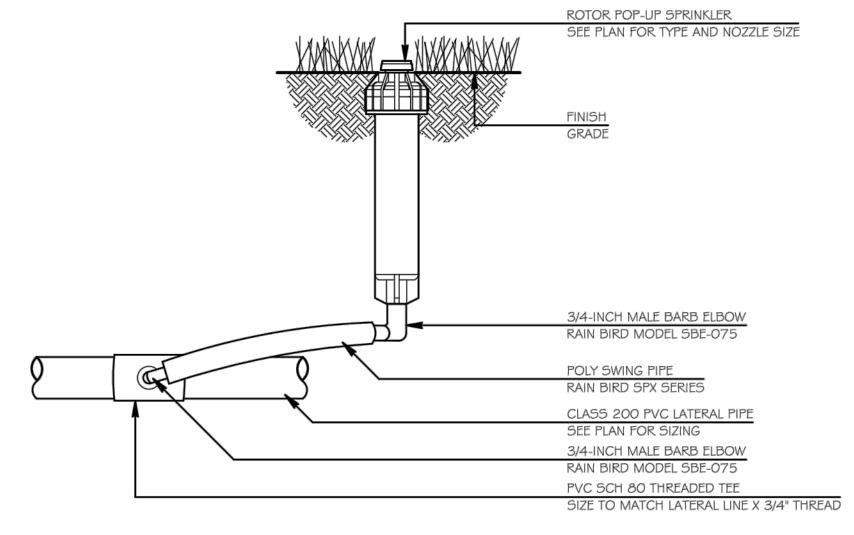
SPRAYHEAD INSTALLATION



DRIP DISTRIBUTION LINE CONNECTION



PUMP INSTALLATION DETAIL (TOP VIEW)



POP-UP ROTOR INSTALLATION

FLORIDA LANDSCAPE ARCHITECT #6666928

PROJECT NUMBER: 1'' = 20'SHEET NUMBER

OF FOUR

SECTION 01150 MEASUREMENT AND PAYMENT

PART 1 - SCOPE OF WORK

- A. The scope of this section of the Contract Documents is to further define the items included in each Bid Item in the Bid Proposal section of these Specifications.
- B. Payment will be made based on the specified items included in the description in this section for each bid item.

1.02 GENERAL

- A. All Contract Prices included in the Bid Proposal section will be full compensation for all labor, materials, tools, equipment and incidentals necessary to complete the construction as shown on the drawings and/or as specified in the Contract Documents to be performed under this contract.
- B. Actual quantities of each item bid on a unit price basis will be determined upon completion of the construction in the manner set up for each item in this section of the specifications.
- C. Payment for all items listed in the Bid Form will constitute full compensation for all work shown and/or specified to be performed under this project.

1.03 ESTIMATED QUANTITIES

- A. The quantities shown are approximate and are given only as a basis of calculation upon which the award of the Contract is to be made.
- B. The OWNER/ENGINEER does not assume any responsibility for the final quantities, nor shall the CONTRACTOR claim misunderstanding because of such estimate of quantities.
- C. Final payment will be made only for satisfactorily completed quantity of each item.

1.04 WORK OUTSIDE AUTHORIZED LIMITS

A. No payment will be made for work constructed outside the authorized limits of work.

1.05 MEASUREMENT STANDARDS

 Unless otherwise specified for the particular items involved, all measurements of distance shall be taken horizontally or vertically.

1.06 AREA MEASUREMENTS

A. In the measurement of items to be paid for on the basis of area of finished work, the lengths and/or widths to be used in the calculations shall be the final dimensions measured along the surface of the completed work within the neat lines shown or designated.

1.07 LUMP SUM ITEMS

- A. Where payment for items is shown to be paid on a lump sum basis, no separate payment will be made for any item of work required to complete the lump sum item.
- B. Lump sum bid items shall be complete, tested and fully operable prior to request for final payment.
- C. Measurement shall be based upon the ENGINEER's estimate of percent complete per partial payment period.

1.08 UNIT PRICE ITEM

- A. Separate payment will be made for the items of work described herein and listed on the Bid Form.
- B. Any related work not specifically listed but required for satisfactory completion of the work shall be considered to be included in the scope of the appropriate listed work items.

1.09 OTHER PROVISIONS

- A. No separate payment will be made for the following items and the cost of such work shall be included in the applicable pay items of work unless indicated otherwise in the individual bid item.
 - 1. Clearing, grubbing, and grading.
 - 2. Replacement and/or repair of existing utilities damaged during construction.
 - 3. Trench excavation, including necessary pavement removal, rock removal, muck removal and restoration unless a separate bid item is listed in the Bid Form.
 - 4. Ditch and swale restoration.
 - 5. Structural fill, backfill and grading.
 - Foundation and borrow materials.

- 7. Maintaining the existing quality of service during construction.
- 8. Appurtenant work as required for a complete and operable system.
- B. Final payment shall not be requested by the CONTRACTOR or made by the OWNER until record drawings have been submitted to the ENGINEER.

PART 2 - PRODUCTS (NOT APPLICABLE)

PART 3 - EXECUTION

3.01 BASE BID

A. BID ITEM 1.1 - MOBILIZATION/DEMOBILIZATION

- 1. Payment for all work included under this bid item will be made at the lump sum price bid for mobilization and demobilization of all labor, equipment, materials, and appurtenances necessary for construction of the project.
- Mobilization shall include all those operations necessary for the movement of personnel, equipment, supplies, and incidentals to the project site and for the establishment of temporary offices, buildings, safety equipment and first aid supplies, and sanitary and other facilities.
- Also included as part of this bid item is the cost for project indemnifications, video and photographs, shop drawings, working drawings, schedules, record drawings and documents, coordination, and phasing and other miscellaneous items associated with the work
- 4. Measurement for this bid item will be lump sum. The lump sum price for mobilization/demobilization will be limited to 10% of the total contract base bid amount.
- 5. The initial 70% of the Mobilization/Demobilization lump sum price will be payable with the first month's partial payment.
- 6. The remaining 30% of the Mobilization/Demobilization lump sum price will be payable with the final partial payment.

B. BID ITEM 1.2 -PERFORMANCE AND PAYMENT BONDS

 Payment for this bid item shall be made at the lump sum price bid for all bonds and insurance policies as required by the Contract Documents

- 2. Payment will be made only after proper documentation is provided to the ENGINEER. Measurement of this bid item shall be lump sum.
- 3. THIS BID ITEM SHALL NOT EXCEED 5.0% OF THE ENTIRE CONTRACT BID AMOUNT.

C. BID ITEM 1.3 - MAINTENANCE OF TRAFFIC

- 1. Payment for all work included under this bid item will be made at the lump sum price bid for maintenance of traffic in accordance with the FDOT Standards.
- 2. Payment shall include all maintenance of traffic necessary for construction of the improvements indicated in plans.
- 3. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.
- 4. Measurement for the work included under this bid item shall be lump sum.

D. **BID ITEM 1.4 – CONSTRUCTION TESTING**

- Payment for all work included under this bid item will be made at the lump sum price bid for testing to be performed in accordance with the state standards.
- 2. Payment shall include all testing necessary for construction of the improvements indicated in plans.
- 3. Payment shall constitute complete compensation for all labor, materials, equipment, testing laboratory fees, and any other necessary work needed to complete this work item.
- 4. Measurement for the work included under this bid item shall be lump sum.

E. BID ITEM 1.5 – GROUNDWATER AND SOILS ANALYTICAL TESTING

- 5.1. This line item will be reimbursable based on receipts or invoices provided by the testing companies.
- 2. Frequency of testing will be coordinated with the Engineer of Record.

E.F. BID ITEM 1.6 - STAKEOUT & AS-BUILTS BY PROFESSIONAL SURVEYOR

- 1. Payment for the work included under this bid item shall be made at the lump sum price bid for all work associated with furnishing all stakeout/layouts of the improvements as well as surveys and preparation of record drawings as required under the contract documents. As-Builts shall be of sufficient detail to confirm quantities, above and below ground, elevations, materials, and locations of all improvements associated. As-Builts shall be signed and sealed by a Florida Registered Professional Land Surveyor.
- 2. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.
- 3. Measurement for the work included under this bid item shall be lump sum.

F.G. BID ITEM 1.7 – EROSION CONTROL & NPDES PERMITTING

- Payment for all work included under this bid item will be made at the lump sum price bid for all work associated with the prevention, control and abatement of erosion and water pollution and NPDES Permit Administration in accordance with the contract documents.
- 2. Payment shall include all items and incidentals necessary to complete the work in conformance with NPDES and other permit requirements.
- 3. Payment for the work included under this bid item shall be made at unit bid price for installing silt fencing and inlet protection systems as required under the contract documents.
- 4. Payment shall include all material, labor, equipment, and incidentals necessary to provide and install silt fencing and inlet protection systems around existing inlets at the locations noted on the Construction Drawings.
- 5. Measurement for work included under this bid item will be lump sum.

G.H. BID ITEM 1.8 - DEMOLITION (INCLUDES HAULING AND TIPPING FEES)

1. Payment for the work included under this bid item shall be made at the lump sum price bid for all work associated with providing demolition and removal of existing structures, including but not limited to, existing mitered end sections, existing headwalls, existing

- reinforced concrete piping, and removal of asphalt from cut and patch operations as required under the contract documents.
- 2. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item to including the removal of structures as well as hauling and tipping fees as necessary.
- Measurement for the work included under this bid item shall be lump sum.

H.I. BID ITEM 2.0 – PAVEMENT WORK

- 1. Payment for the work included under this bid item shall be made at unit bid price for providing pavement work as required under the contract documents.
- Payment shall include all material, labor, equipment, and incidentals necessary to install 790 square yards of 12-inch Type B Stabilization, install 790 square yards of Base Group 6-4 (6-inch limerock), and an base overlay of with 69 tons of 1-1/2-inch FC-12FS 9.5 Friction Surface Course for the parking areas and roadway turnouts as further detailed on the Construction Drawings.
- Payment shall include all material, labor, equipment, and incidentals necessary to replace 2,400269 square yards of asphalt on the cut and patch areas along North 11th Avenue, Lance Street, and Boatrace Road at the locations noted on the Construction Drawings.
- 4. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.

I.J. BID ITEM 3.0 – DRAINAGE WORK

- Payment for all work included under this bid item will be made as unit price bid for installing inlets, gutters, concrete end walls, stormwater manholes, mitered end sections (MES), reinforced concrete piping (RCP), corrugated metal piping (CMP), coring of existing inlets, concrete flumes, and rip rap as required under the contract documents.
- 2. Payment shall include but not be limited to furnishing all material, labor, equipment, and incidentals necessary to install the following in accordance with the contract documents.
 - a. Type 2 Gutter inlets (3 each).
 - b. Type D ditch bottom inlets (3 each).

- c. Type C inlets with grate tops (3 each).
- d. Type C inlet with grate top and skimmer (1 each).
- e. Type H inlet (1 each).
- f. Concrete End Walls (6 each).
- g. Storm Manholes less than 10 feet (2 each).
- h. Core Existing Inlets (2 each).
- Concrete Flume (1 each).
- j. RipRap (9 each).
- k. MESes: 18-inch (5 each); 24-inch (2 each); and, 36-inch (2 each).
- I. RCPs: 42-inch RCP (190 Linear Feet); 15-inch RCP (159-349 Linear Feet); 18-inch (360 Linear Feet); 24-inch (120 Linear Feet); 36-inch (256 Linear Feet).
- m. CMP: 18-inch (8 Linear Feet).
- 3. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.

J.K. BID ITEM 4.0 - CURB AND SIDEWALK WORK

- 1. Payment for the work included under this bid item shall be made at unit bid price for constructing a concrete walking path and sidewalk as required under the contract documents.
- 2. Payment shall include all material, labor, equipment, incidentals, compaction, earthwork, and testing necessary to construct 9,270 square feet of a 6-foot-wide by 1,541-foot-long sidewalk/walking path at the location noted on the Construction Drawings.
- 3. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.

K.L. BID ITEM 5.0 – PAVING MARKING AND SIGNAGE WORK

1. Payment for the work included under this bid item shall be made at unit bid price for signage and striping as required under the contract documents.

- Payment shall include all material, labor, equipment, and incidentals necessary to stripe the parking areas including 1.250.08 general miles (GM) of Solid White 6-inch Thermoplastic Painted Striping (for stop bars at intersection of Lance Street and 11th Street North and parking striping), 0.02 GM of Thermoplastic, Solid Yellow 6-inch Striping (double lines along Boatrace Road), 0.02 GM of Blue, Solid 6-inch Striping, ADA Access Special Pavement Marking (1 parking spot), and 16-17 sign posts with 35 sign panels including the ADA signage and warning signs every 100 feet around perimeter of pond as detailed on the Construction Drawings.
- 3. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.
- 4. Full payment will be made after testing and strength requirements are confirmed.

L.M. BID ITEM 6.0 – LANSCAPING WORK

- 1. Payment for the work included under this bid item shall be made at unit bid price for the placement of sod/turf, an irrigation system, and landscaping improvements as required under the contract documents. This work excludes the decorative fountain—(see Additive Alternate No. 2).
- 2. Payment for the work included under this bid item shall be made for the placement of 9,789 square yards of sod/turf as required under the contract documents.
- 3. Payment shall include all material, labor, equipment, and incidentals necessary to install an irrigation system including but not limited to piping, valves, spray nozzles, water connections, taps, controllers, sensors, electrical improvements and other associated appurtenances as detailed on the Construction Drawings:
- 4. Payment shall also include all material, labor, equipment, and incidentals necessary to install landscaping features (i.e., plants, trees, and shrubs, mulch, groundcover, etc.) included on the Construction Drawings.
- 5. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.

M.N. BID ITEM 7.0 – EARTHWORK

1. Payment for this items shall be made based on percentage of work completed. It is estimated based on the original survey and the

proposed contours, that an estimated 29,655 cubic yards will need to be removed from pond areas. This calculation does not include fill that may be required on site. The AutoCAD file can be made available to the Contractor upon request to assist with estimating quantities. This payment shall be for inground measurements (not truck measured).

- This line item also includes the removal, hauling and disposal or repurposing of the soil removed from the site and any expenses or fees associated with that effort.
- 2.3. Payment for the Work included under this bid item shall also be made at unit bid price for fencing (approximately 440 linear feet) as required under the Contract Documents.
- 3.4. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.

N.O. BID ITEM 8.0 - CLEARING, GRUBBING & REMOVAL WORK

- 1. Payment for this items shall be made based on percentage of work completed.
- 2. Payment for the work included under this bid item shall be made at the lump sum price bid for the removal of all existing structures being replaced (e.g., including inlets, sidewalks, curbs, pipes, etc.) as well as selective grubbing as required under the contract documents.
- 3. Payment for the work included under this bid item shall also be made at the unit bid price for the removal of 164 cubic yards of asphalt and road base 22 feet below existing grade for those cut and patch road areas as noted on the Construction Drawings.
- 4. Payment shall include all material, labor, equipment, and incidentals necessary to remove existing structures and perform selective grubbing activities as noted on the Construction Drawings.
- 5. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.

P. BID ITEM -ALTERNATE A.3.11 TO A.3.15 (DOUBLE WALL HP)

 Payment for all work included under this bid item will be made as unit price bid for installing double wall high-performance pipe in lieu of the reinforced concrete piping (RCP) for the 15-, 18-, 24- and 36-inch drainage pipe as required under Bid Item No. 3 – Drainage Work and the contract documents.

- Payment shall include but not be limited to furnishing all material, labor, equipment, and incidentals necessary to install the double wall high-performance pipe in accordance with the contract documents.
- 3. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.

O.Q. BID ITEM - ALTERNATE A.4.1 (ASPHALT WALKING PATH)

- Payment for all work included under this bid item will be made as a percentage of work completed for all work related to constructing the 6-foot-wide by 1,541-foot-long asphalt walking path (approximately 113 tons of asphalt) in lieu of Bid Line Item 4.1 Concrete Sidewalk in accordance with the contract documents.
- 2. Payment shall include but not be limited to installation of an asphalt walking path and other required and associated work or materials.
- 3. Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.
- 4. Alternate A.<u>4.1</u> should represent all costs associated with constructing an asphalt path instead of a concrete path.

R. BID ITEM -ALTERNATE A.6.4 (DECORATIVE FOUNTAIN)

- 1. Payment for all work included under this bid item will be considered as Alternate No. A.6.4 and made at the lump sum price bid for furnishing all work related to constructing the decorative fountain in accordance with the contract documents.
- 2. Payment shall include all material, labor, equipment, and incidentals necessary to install the decorative fountain including the decorative fountain components from KASCO (manufacturer) or approved equal, nylon double braided rope, tie downs, power cord, and any other electrical components required to have a fully functional and operating fountain.
- Payment shall constitute complete compensation for all labor, materials, and equipment necessary to complete this work item.

END OF SECTION 01150



INVITATION TO BID 2023-01 CITY OF PARKER ROADWAY IMPROVEMENTS - PHASE 1

ATTACHMENT C

REVISED BID FORM

BID FORM ITB NO: 2024-01

This proposal of,	hereinafter called "BIDDER," organized and
	doing business as (Insert "a corporation"
	olicable)
is hereby submitted to the City of Parker.	
perform work associated with the INLANI AND WALKING PATH project at certain in the Instruction to Bidders of this Control described in this BID, complete in every described in the Instruction to Bidders of the Control of the Instruction to Bidders of the Control of the Instruction to Bidders of the Instru	NT FOR BIDS, BIDDER hereby proposes to D FLOOD PROTECTION RETENTION POND locations within the City of Parker as identified ract Document and Construction Drawings, as stail. Please see BID-FORM page 2 to complete all applicable taxes, shipping charges and fees
party thereto certifies as to its own org	R certifies, and in the case of a joint BID each ganization, that this BID has been arrived at nmunication, or agreement as to any matter R or with any other competitor.
The Unit Contract Price is:	
	(\$
(Words)	
submitted by:	
Name of BIDDER Submitting This BID	
BID Prepared By:	
SEAL: (If BID is by Corporation)	
Name of Individual Who Prepared This BI	D
Contact Email:	
Address:	
Phone:	
Signature of Authorized Representative of	f BIDDER:
	Date:

BASE BID FORM								
Bid Item #	Description	Qty	Unit	Cost	Total			
1. General Co	nditions							
1.1	Mobilization/Demobilization	1	LS	\$	\$			
1.2	Performance and Payment Bonds	1	LS	\$	\$			
1.3	Maintenance of Traffic	1	LS	\$	\$			
1.4	Construction Testing	1	LS	\$	\$			
1.5	Groundwater and Soils Analytical Testing Allowance	1	LS	\$ 5,000.00	\$ 5,000.00			
1.6	Stakeout & As-builts by Professional Surveyor	1	LS	\$	\$			
1.7	Erosion Control & NPDES Permitting	1	LS	\$	\$			
1.8	Demolition (hauling and tipping fees) (demo and removal of existing structures)	1	LS	\$	\$			
1.9	Project Management, Overhead & Profit	1	LS	\$	\$			
		1. Genera	al Conditi	ons – Subtotal	\$			
2. Pavement \	Nork							
2.1	1-½-inch Asphalt Concrete Surface Course, Traffic B, SP9.5, Pg 76-22	TN	69	\$	\$			
2.2	Optional Base, Base Group 04 (6-inch Limerock)	SY	790	\$	\$			
2.3	Type B Stabilization (12-inch)	SY	790	\$	\$			
2.4	1-1/2-inch Asphalt Concrete Patch	SY	269	\$	\$			
		2. Pa	vement W	ork – Subtotal	\$			
3. Drainage W	/ork							
3.1	Inlets, Gutter, Type 2	EA	3	\$	\$			
3.2	Inlets, Ditch Bottom, Type D, J Bot, >10'	EA	3	\$	\$			
3.3	Inlets, Type C with grate top	EA	3	\$	\$			
3.4	Inlets, Type C with grate top & Skimmer	EA	1	\$	\$			
3.5	Inlet, Type H	EA	1	\$	\$			
3.6	Concrete End Wall	EA	6	\$	\$			
3.7	Manholes, J-7, <10 feet	EA	2	\$	\$			
3.8	18-inch MES	EA	5	\$	\$			

BASE BID FORM							
Bid Item #	Description	Qty	Unit	Cost	Total		
3. Drainage W	ork (continued from previous page)			_			
3.9	24-inch MES	EA	2	\$	\$		
3.10	36-inch MES	EA	2	\$	\$		
3.11	15-inch RCP	LF	349	\$	\$		
3.12	18-inch RCP	LF	360	\$	\$		
3.13	24-inch RCP	LF	120	\$	\$		
3.14	36-inch RCP	LF	254	\$	\$		
3.15	18-inch CMP	LF	8	\$	\$		
3.16	Core Existing Inlet	EA	2	\$	\$		
3.17	Concrete Flume	EA	1	\$	\$		
3.18	RipRap	EA	9	\$	\$		
		3. Dı	rainage W	/ork – Subtotal	\$		
4. Curb and S	idewalk Work						
4.1	Concrete Sidewalk, 6-foot wide	SF	9,270	\$	\$		
		4. Curb a	and Sidev	valk – Subtotal	\$		
5. Pavement I	Marking and Signage Work						
5.1	White, Solid, 6-inch (Roadway patchwork striping (cross bars) at intersection of 11 th Street North and Lance Street; STD and ADA Parking Striping)	GM	0.08	\$	\$		
5.2	Thermoplastic, Solid, Yellow, 6-inch (Roadway patchwork striping on Boatrace Road)	GM	0.02				
5.3	Blue, Solid, 6-inch (ADA Striping)	GM	0.02				
5.3	White Painted Message or Symbol (ADA Striping)	EA	1	\$	\$		
5.4	Signage (includes 17 posts and 35 sign panels for ADA and Warning Signage)	LS	1	\$	\$		
	5. Pavement Marking and Signage – Subtotal						

BASE BID FORM								
Bid Item #	Description	Qty	Unit	Cost	Total			
6. Landscaping Work								
6.1	Performance Turf, Sod	SY	9,789	\$	\$			
6.2	Irrigation	LS	1	\$	\$			
6.3	Landscaping	LS	1	\$	\$			
	6. Landscaping – Subtotal							
7. Earthwork	7. Earthwork							
7.1	Regular Excavation (includes excavation and removal, hauling and disposal of soil)	LS	1	\$	\$			
7.2	Chain Link Fence	LF	440	\$	\$			
			7. Earthw	ork – Subtotal	\$			
8. Clearing, G	rubbing & Removal Work							
8.1	Removal of Existing Structures (Inlets, Sidewalks, Curbs, Pipes, etc.)	LS	1	\$	\$			
8.2	Removal of Existing Asphalt and Base	CY	164	\$	\$			
8.3	Selective Clearing And Grubbing	LS	1	\$	\$			
	8. Clearing, Grubbing & Removal – Subtotal							

BID ALTERNATES/DEDUCTIVES							
Bid Item #	Description	Qty	Unit	Cost	Total		
A.3.11	12-inch Double Wall HP (in lieu of 12-inch RCP)	LF	190	\$	\$		
A.3.12	15-inch Double Wall HP (in lieu of 15-inch RCP)	LF	159	\$	\$		
A.3.13	18-inch Double Wall HP (in lieu of 18-inch RCP)	LF	360	\$	\$		
A.3.14	24-inch Double Wall HP (in lieu of 24-inch RCP)	LF	120	\$	\$		
A.3.15	36-inch Double Wall HP (in lieu of 36-inch RCP)	LF	254	\$	\$		
A.4.1	Asphalt Sidewalk, 6-foot wide (in lieu of Concrete)	TN	113	\$	\$		
A.6.4	Decorative Fountain and Appurtenances	LS	1	\$	\$		

Note

Bid Items listed above are further detailed in the *Measurement and Payment* Section of this Invitation to Bid package.

END OF BID FORM