



MEMORANDUM

Date: 10-01-2025

To: Honorable Board of County Commissioners (Board)

From: Jenny Shao, Process Improvement Manager
(Exhibit 1 - Professional Qualifications)

Subject: FP-15-07-02 Bond Reduction and Fourth Amendment to the Development Agreement for Coco Bay

Request:

Lennar Homes, LLC is requesting a Bond Reduction and Fourth Amended Development Agreement to reduce the amount of the approved surety provided under Letter of Credit No. FGAC-22193, issued by Fidelity Guaranty and Acceptance Corp., in the amount of \$4,832,127.36 to \$163,392.63 for the completion of the remaining infrastructure for Coco Bay. The subdivision, consisting of 178 single-family lots, was granted Final Plat approval by the Board on January 23, 2018. The site is 169.68± acres, and is located south of San Casa Drive, north of Cypress Road, east of Placida Road, and west of Winchester Boulevard, in Commission District III.

Analysis and Background:

At the time of Final Plat application, the applicant was granted approval of a Development Agreement and surety bonded through Westchester Fire Insurance Company in the amount of \$3,164,459.58, to ensure the completion of the plat infrastructure. The subdivision was granted Final Plat approval by the Board on January 23, 2018, approval of an Amended Development Agreement for the plat infrastructure on May 12, 2020, and approval of the Second Amended Development Agreement on December 14, 2021, for an extension to the agreement for an additional six (6) months. On October 11, 2022, the Board approved the applicant's request for a bond release and substitution with an Irrevocable Standby Letter of Credit No. FGAC-22193 in the amount of \$4,832,127.36 (See Attachment 1).

Island Lake Estates, LLC conveyed a portion of the Coco Bay subdivision to Lennar Homes, LLC (Developer), who intended to subsequently purchase the remainder of the subdivision. Therefore, Lennar Homes, LLC provided the new surety and amended Development Agreement by accepting responsibility for completion of the subdivision and the remainder of the Development Agreement.

Since then, a significant portion of the plat construction has been completed. The Project Engineer has submitted this Fourth Amendment to the Development Agreement (See Attachment 2) and Bond Reduction request (See Attachment 3) for the new Engineer's Estimate of Probable Construction Cost (+10%), along with the record drawings (See Attachment 4), Notifications of Completion of Construction for a Domestic Wastewater Collection/Transmission System (See Attachment 5) from the Florida Department of Environmental Protection (FDEP), partial and final letters of release for installed public water system components and associated appurtenances (See Attachment 6) from the Florida Department of Health, and the as-built certification and request for conversion to operation phase (See Attachment 7), reducing the remaining cost to \$163,392.63.

The County Engineer has found the new bond amount sufficient for completion of the project (See Attachment 8).

Recommendation:

Community Development recommends approval of the requested Fourth Amendment to the Development Agreement and Bond Reduction under Petition **FP-15-07-02**.

Exhibit 1
Professional Qualifications



Qualifications of Jenny Shao

Position: Process Improvement Manager

Time with Charlotte County: 4 years

Position Summary & Experience: I have worked as an Administrative Assistant II, Zoning Tech, Project Coordinator, Zoning Coordinator, and Planner for Charlotte County Human Services and Community Development Departments for 4 years. My duties include administrative tasks, customer service, data entry, reviewing and processing permits, Plats, Vacations and Land Splits for compliance with Charlotte County Land Development regulations. Furthermore, I coordinate and compile the comments and conditions of the reviewing departments and agencies into the final recommendation to the Planning and Zoning Board and the Board of County Commissioners for the above applications. My education consists of a Bachelor of Arts in International Studies and East Asian Studies, graduating Cum Laude from University of Miami in Spring 2020.

Exhibit 1

Attachment 1
**FP-15-07-02 Third Amendment to the Development
Agreement, Bond Release and Substitution Decision Letter**



November 1, 2022

Robert H. Berntsson
The Big W Law Firm
3195 South Access Road
Englewood, Florida 34224

Via Email: rberntsson@bigwlaw.com

Dear Applicant:

This letter is to confirm the decision of the Charlotte County Board of County Commissioners at their meeting held October 11, 2022, at 2:00 P.M., regarding the following petition:

FP-15-07-02

Quasi-judicial

Commission District III

Island Lake Estates, LLC and Lennar Homes, LLC are requesting a Third Amended Developer's Agreement and approval of a substitute letter of credit of the Final Plat for a subdivision named, Coco Bay, consisting of 178 single-family lots. The site is 169.68± acres, and is located south of San Casa Drive, north of Cypress Road, east of Placida Road, and west of Winchester Boulevard, in Commission District III.

It was the decision of the Charlotte County Board of County Commissioners that Petition **FP-15-07-02** be approved. The Third Amended Developer's Agreement was recorded on October 12, 2022, in OR Book 5056, Page 474, of the Public Records of Charlotte County, Florida. A copy of the recorded Third Amended Developer's Agreement is enclosed. Charlotte County is releasing all interest in Surety Bond #K0955869A, issued by Westchester Fire Insurance Company, in the amount of \$3,164,459.58. The released bond is attached for your records.

If you require specific information regarding this matter, please contact me.

Sincerely,

Jenny Shao, Project Coordinator
Community Development Department
Zoning Division
18400 Murdock Circle
Port Charlotte, FL 33948

CC: Jordan Silver, SPD
David Vance, SPD
Dawn Anspach, CAO

Attachment 2
Proposed Fourth Amendment to the Development Agreement

Document prepared under the supervision of:
Charlotte County Attorney
18500 Murdock Circle
Port Charlotte, FL 33948

This instrument prepared by and after recording return to:
Robert H. Berntsson, Esq.
The BIG W LAW FIRM
3195 S. Access Road
Englewood, FL 34224

FOURTH AMENDED DEVELOPMENT AGREEMENT

THIS FOURTH AMENDED DEVELOPMENT AGREEMENT is made this 25th day of November, 2025, by and between CHARLOTTE COUNTY, a political subdivision of the State of Florida, herein called "County" and LENNAR HOMES, LLC, a Florida limited liability company, herein called "Developer".

WITNESSETH

WHEREAS, Island Lake Estates, LLC subdivided certain property and caused a plat known as Coco Bay to be recorded in Plat Book 22, Pages 14A-14V, Public Records of Charlotte County; and

WHEREAS, Island Lake Estates, LLC, in connection with the approval of the referenced plat, entered into a DEVELOPMENT AGREEMENT recorded at Book 4277, Page 750 of the Public Records of Charlotte County, Florida, which was subsequently amended by the FIRST AMENDED DEVELOPMENT AGREEMENT, recorded at Book 4574, Page 1538 of the Public Records of Charlotte County, Florida and subsequently amended by the SECOND AMENDED DEVELOPMENT AGREEMENT, recorded at Book 4897, Page 648 of the Public Records of Charlotte County, Florida and the THIRD AMENDED DEVELOPMENT AGREEMENT, recorded at Page 5056, Page 474 of the Public Records of Charlotte County, Florida; and

WHEREAS, Island Lake Estates, LLC has conveyed a portion of the Coco Bay subdivision to Developer, and Developer intends to subsequently purchase the remainder of the Coco Bay subdivision; and

WHEREAS, the THIRD AMENDED DEVELOPMENT AGREEMENT will expire by its terms on July 31, 2026; and

WHEREAS, Developer wishes to provide the surety for the completion of the subdivision improvements, as set forth in the engineer's estimate, which has been approved by the County Engineer; and

WHEREAS, the Developer and County wish to amend the THIRD AMENDED DEVELOPMENT AGREEMENT to allow DEVELOPER to reduce the surety for completion of the subdivision improvements.

NOW, THEREFORE, in consideration of their respective undertakings hereunder,
County and Developer agree as follows:

1. Paragraph 1 of the THIRD AMENDED DEVELOPMENT AGREEMENT is amended to read as follows:
 1. Developer shall provide a bond or letter of credit (the "surety") in the amount of \$163,392.63 to ensure completion of the subdivision improvements depicted on the approved Plans.
2. The remainder of the THIRD AMENDED DEVELOPMENT AGREEMENT remains valid as written.

[Remainder of page intentionally left blank]

IN WITNESS WHEREOF, County and Developer have executed this FOURTH AMENDED DEVELOPMENT AGREEMENT effective on the date first above written.

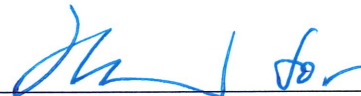
**CHARLOTTE COUNTY, a political
Subdivision of the State of Florida**

By: Joseph M. Tiseo, Chairman

ATTEST:
Roger D. Eaton, Clerk of the Circuit
Court and Ex-Officio Clerk of the
Board of County Commissioners

By: _____
Deputy Clerk

APPROVED AS TO FORM
AND LEGAL SUFFICIENCY:



Janette S. Knowlton, County Attorney
LR25-0668 *Kmw*

Ashley Kingston
1st Witness Signature
Ashley Kingston
1st Witness Printed Name
10461 Six Mile Cypress Pkwy
1st Witness Address
Fort Myers, FL 33966
1st Witness Address (cont.)
Alex Hinebaugh
2nd Witness Signature
Alex Hinebaugh
2nd Witness Printed Name
10461 Six Mile Cypress Pkwy
2nd Witness Address
Fort Myers FL 33966
2nd Witness Address (cont.)

DEVELOPER

LENNAR HOMES, LLC
10481 Six Mile Cypress Parkway
Fort Myers, FL 33966

By: Scott Edwards
Scott Edwards

Vice President
Title

Scott Edwards
Printed Name

ACKNOWLEDGEMENT

State of Florida

County of Charlotte

The foregoing instrument was acknowledged before me, by means of ☒ physical presence or ☐ online notarization, this 29th day of October, 2025 by Scott Edwards, Vice President of Lennar Homes, LLC, who ☒ is personally known to me or ☐ has produced _____ as identification and did/did not take an oath.

My commission expires: Feb. 11, 2028

(Notary Seal)

Nicole M. Rickard
Notary Public
Nicole M Rickard
Printed name of Notary Public
HH 491000
Serial or commission number



Attachment 3
Applicant's Request for a Bond Reduction and
Amendment to the Development Agreement



Professional Engineers, Planners & Land Surveyors

April 18, 2025

Ms. Jenny Shao
Charlotte County Land Development
18400 Murdock Circle
Port Charlotte, Florida 33948

**RE: ISLAND LAKES AT COCO BAY (FP-15-07-02)
PHASE I
BOND REDUCTION REQUEST**

Dear Ms. Shao,

On behalf of our client, Lennar Homes, LLC, please accept this letter as a formal request to reduce the current performance bond amount for the referenced project based on the information enclosed.

Island Lakes at Coco Bay (f/k/a Coco Bay) is a residential subdivision with private streets that was originally platted by Charlotte County in January 2018. Along with the recording of Island Lakes at Coco Bay, a performance bond in the amount of \$4,832,127.36 was provided to the county to cover the cost of the required subdivision improvements. At this time, construction of the Island Lakes at Coco Bay subdivision improvements has been substantially completed except for the second lift of asphalt.

A new Engineer's Estimate of Probable Construction Cost for this work, including a 10% contingency, is attached. Also enclosed is a draft Fourth Amendment to the Developer's Agreement that reflects the new bond amount of \$163,392.63 along with the final certifications and record drawings.

The original amended performance bond in the amount of \$163,392.63 will be submitted under separate cover once the BOCC approves this request.

Thank you for your consideration and should you have any questions or need additional information, please call.

Sincerely,
BANKS ENGINEERING

A handwritten signature in blue ink, appearing to read "Clay", is written over the company name.

Clayton W. Rebol, P.E.
Vice President

Cc: file, Lennar Homes, LLC

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SERVING SOUTHWEST FLORIDA

Attachment 4

Record Drawings

4031 - ISLAND LAKES AT COCO BAY

The map displays the Charlotte, North Carolina area, highlighting the Charlotte Harbor Wildlife Management Area in green. Major roads and highways are shown in orange and yellow. The map includes labels for various cities and towns, including Charlotte, Fort Lauderdale, and Pompano Beach. A large black arrow points to the 'SITE' location near the Charlotte Harbor Wildlife Management Area. The map also shows the Gulf of Mexico to the west and the Florida-Desoto border to the east.

Map of the site location in Grove City, Ohio. The map shows the site (a large, irregularly shaped lot) situated between Placida Rd and Sunset Rd. To the north is Ann Dever Memorial Regional Park. To the east is the Rotonda Golf & Country Club. The map includes a compass rose indicating North and a note "NOT TO SCALE".

\\jones\40xx\40311\ENGINEERING\REFCORP DRAWINGS\SITE\40311_01 COVER.DWG 3/5/2025 12:06 PM TCOO VANA

S:\WORK\ASAP\ASAP\DRAWING\RECORD DRAWINGS\NOTES - CIVIL - 2/20/2015 11:59 AM TPOD.MAK

PRE-BID SUBMITTAL:

THE CONTRACTOR SHALL VISIT THE PROJECT SITE PRIOR TO BIDDING TO FAMILIARIZE HIMSELF WITH THE CONDITIONS FOR CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL OBTAIN FROM THE OWNER A WRITTEN LIST OF ALL PERMITS AND COPIES THEREOF, AND CAREFULLY REVIEW ALL PLANS, SPECIFICATIONS, AND PERMITS PREVIOUSLY SECURED ON BEHALF OF THE OWNER. IN CASE OF ANY DISCREPANCY EITHER IN PERMIT DOCUMENTS, PLANS, DRAWINGS, OR SPECIFICATIONS, THE CONTRACTOR MUST PROMPTLY SUBMIT A "WRITTEN CLARIFICATION REQUEST" TO THE OWNER, WHO WILL PROMPTLY FORWARD THE REQUEST TO THE ENGINEER WHO WILL MAKE A DETERMINATION IN WRITING. THE CONTRACTOR MUST VERIFY EXISTING FACILITY INFORMATION, AND ALL DESIGN/PERMIT DATA REQUIRED FOR THE PROJECT IS TO CONNECT WITH EXISTING FACILITIES. ANY DISCREPANCIES BETWEEN THE CONTRACT REQUIREMENTS AND THE EXISTING CONDITIONS MUST BE REFERRED TO THE OWNER IN WRITING, FOR AN ENGINEERING DETERMINATION. ANY FUTURE ADJUSTMENT DUE TO FAILURE BY THE CONTRACTOR TO IDENTIFY THE RELATED DISCREPANCY, WILL BE AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY LICENSES, ADDITIONAL PERMITS, AND FOR COMPLYING WITH ALL APPLICABLE FEDERAL, STATE, AND LOCAL LAWS, CODES, AND REGULATIONS IN CONNECTION WITH THE PERFORMANCE OF THE WORK.

CONSTRUCTION SAFETY AND LIABILITY:

THE CONTRACTOR MUST TAKE PROPER SAFETY AND HEALTH PRECAUTIONS TO PROTECT THE WORK, THE WORKERS, THE PUBLIC, AND THE PROPERTY OF OTHERS. THE CONTRACTOR IS RESPONSIBLE ALSO FOR ALL MATERIALS DELIVERED AND WORK PERFORMED UNTIL COMPLETION AND ALL ACCEPTANCES HAVE BEEN OBTAINED. THE CONTRACTOR SHALL MAINTAIN TRAFFIC DURING CONSTRUCTION IN ACCORDANCE WITH THE STATE OF FLORIDA ROADWAY AND TRAFFIC DESIGN STANDARDS (LATEST EDITION). THE CONTRACTOR IS RESPONSIBLE FOR ALL DAMAGE TO PERSONS OR PROPERTY THAT RESULTS AS A RESULT OF THE CONTRACTOR'S NEGLIGENCE. THE CONTRACTOR MUST SAVE HARMLESS AND INDEMNIFY THE OWNER AND THE ENGINEER OF RECORD, ITS OFFICERS, REPRESENTATIVES AND EMPLOYEES FROM ALL CLAIMS, LOSS, DAMAGE, ACTIONS, CAUSES OF ACTION, AND/OR EXPENSES, INCLUDING ATTORNEY'S FEES, ARISING FROM, OR IN CONNECTION WITH, PERSONAL INJURY OR PROPERTY DAMAGE RECEIVED OR SUSTAINED BY ANY PERSONS OR PROPERTY GROWING OUT OF OCCURRING, OR ATTRIBUTABLE TO ANY WORK PERFORMED UNDER OR RELATED TO THIS CONTRACT, RESULTING IN WHOLE OR IN PART FROM NEGLIGENCE OR OMISSIONS OF THE CONTRACTOR, ANY SUBCONTRACTOR, OR ANY EMPLOYEE, AGENT, OR REPRESENTATIVE OF THE CONTRACTOR OR ANY SUBCONTRACTOR.

PRE-CONSTRUCTION:

THE OWNER SHALL SECURE PRIOR TO CONSTRUCTION A PROFESSIONAL LAND SURVEYOR TO PERFORM AN "AS-BUILT" SURVEY OF THE PROJECT. THE CONTRACTOR SHALL ALSO SECURE PRIOR TO CONSTRUCTION A PROFESSIONAL ENGINEER TO PROVIDE THE APPROPRIATE SERVICES NEEDED IN ORDER TO CERTIFY TO ALL APPLICABLE REGULATORY AGENCIES THAT THE IMPROVEMENTS WERE CONSTRUCTED IN SUBSTANTIAL COMPLIANCE WITH ALL APPLICABLE PERMITS AND APPROVALS. THE OWNER SHALL COORDINATE A PRE-CONSTRUCTION MEETING WITH THE ENGINEER, SURVEYOR, CONTRACTOR, TESTING LAB, UTILITY COMPANIES, AND APPROPRIATE REGULATORY AGENCIES. THE CONTRACTOR SHALL PROVIDE A SHOP DRAWING SUBMISSION SCHEDULE FOR ALL PROJECT MATERIALS AND COMPONENTS. THE CONTRACTOR SHALL NOT INITIATE CONSTRUCTION OF ANY PORTION OF THE IMPROVEMENTS UNTIL THE SHOP DRAWINGS HAVE BEEN REVIEWED AND APPROVED FOR THAT PORTION BY THE ENGINEER, THE OWNER, CONTRACTOR, ENGINEER AND UTILITY COMPANY SHALL ALSO DISCUSS ALL DOCUMENTATION REQUIRED FOR CONTRIBUTED FACILITIES TRANSFER FROM THE OWNER/DEVELOPER TO THE UTILITY COMPANY UPON PROJECT COMPLETION, UNLESS OTHERWISE SPECIFIED BY THE UTILITY COMPANY, THE FOLLOWING DOCUMENTS SHALL BE PROVIDED:

- DOCUMENTS REQUIRED FOR CONTRIBUTED FACILITIES FROM DEVELOPER TO UTILITY COMPANY:
- UTILITY EASEMENTS(S): MUST BE RECORDED AT COUNTY CLERK OF COURT OFFICE BEFORE SUBMITTING TO UTILITY COMPANIES.
 - EASEMENT ACKNOWLEDGEMENT.
 - AFFIDAVIT.
 - RELEASE OF LIEN.
 - BILL OF SALE.
 - ASSIGNMENT OF RIGHTS UNDER UTILITY AGREEMENT: WHEN PROPERTY HAS BEEN TRANSFERRED TO A NEW OWNER.
 - RECORD DRAWINGS (AS-BUILT): MUST BE SIGNED AND SEALED BY ENGINEER OF RECORD, SUBMIT TWO REPRODUCIBLE COPIES OF PRINTS.
 - DETAILED COST OF CONSTRUCTION: MUST INCLUDE INDIVIDUAL ITEMS OR APPURTENANCES, UNIT COST AND TOTAL COST OF EACH. DO NOT INCLUDE WATER SERVICE LINES OR SEWER LATERALS.
 - DESCRIPTION OF FACILITIES: A SHORT EXPLANATION DEPICTING WHAT HAS BEEN CONSTRUCTED.
 - D.E.P. APPLICATION(S).
 - INSPECTION REPORT(S).
 - PRESSURE TEST REPORT(S).
 - INFILTRATION-EXFILTRATION TEST REPORT(S), INCLUDING VIDEO TAPES AND LAMPING REPORTS.
 - LIFT STATION INSPECTION (START-UP) REPORT(S) AND EQUIPMENT SHOP DRAWINGS.
 - BACTERIOLOGICAL TEST REPORT(S).
 - ENGINEER'S CERTIFICATE OF SUBSTANTIAL COMPLIANCE TO D.E.P.
 - SYSTEM(S) ACCEPTANCE LETTER(S) FROM D.E.P.
 - NOTE: ITEM 1-6 & 17-18 MUST BE SUPPLIED BY OWNER. ITEMS 7 & 9-17 TO BE SUPPLIED TO ENGINEER OF RECORD.

UNLESS OTHERWISE SPECIFIED BY THE UTILITY, THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENTS OF THE WATER, GAS, SEWER, TELEPHONE, AND POWER COMPANIES, 10 DAYS IN ADVANCE, THAT THE CONTRACTOR INTENDS TO START WORK IN A SPECIFIC AREA. THE OWNER AND ENGINEER SHALL HAVE ANY RESPONSIBILITY FOR THE PROTECTION OF EXISTING UTILITIES, DRAINS, WATER LINES, GAS LINES, CONDUITS OF ANY KIND, UTILITIES OR OTHER STRUCTURES OWNED BY THE CITY, STATE OR PRIVATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ANY STREET, ALLEY, PUBLIC PLACE, RIGHT-OF-WAY, OR EASEMENT.

PROJECT SIGN:

THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A CONSTRUCTION PROJECT SIGN AT A LOCATION DIRECTED BY THE OWNER, BANKS ENGINEERING, INC. SHALL PROVIDE A SEPARATE SIGN FOR INSTALLATION BY THE CONTRACTOR AT THIS LOCATION. THE CONTRACTOR SHALL REMOVE WITHIN 15 DAYS AFTER RECEIVING A NOTICE TO PROCEED, UPON PROJECT COMPLETION, THE CONTRACTOR SHALL REMOVE THESE SIGNS AND RETURN TO BANKS ENGINEERING, INC. THEIR SIGN.

ENVIRONMENTAL PROTECTION DURING CONSTRUCTION:

PROTECTION OF LAND RESOURCES - EXCEPT IN AREAS IDENTIFIED ON THE PLANS TO BE CLEARED, THE CONTRACTOR MUST NOT DEFACE, INJURE, OR DESTROY TREES OR SHRUBS OR REMOVE OR CUT THEM WITHOUT WRITTEN AUTHORIZATION FROM THE OWNER. IN THE ABSENCE OF A CLEARING PLAN, AREAS SHOWN FOR IMPROVEMENT SHALL BE CLEARED UNLESS NOTED OTHERWISE.

PROTECTION OF WATER RESOURCES - IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INVESTIGATE AND CONTROL POLLUTION OF THE STATE, REGIONAL, COUNTY, AND MUNICIPAL LAWS CONCERNING POLLUTION OF WATER RESOURCES. ALL WORK MUST BE PERFORMED IN SUCH A MANNER THAT THE EXISTING CONDITIONS WILL NOT BE CREATED IN PUBLIC WATERS RUNNING THROUGH OR ADJACENT TO THE PROJECT AREA.

- EROSION AND SEDIMENT CONTROL - ALL PRACTICAL, AND NECESSARY EFFORT SHOULD BE TAKEN DURING CONSTRUCTION TO CONTROL AND PREVENT EROSION AND THE TRANSPORT OF SEDIMENT TO SURFACE DRAINS, SURFACE WATER, OR ONTO OTHER PROPERTY BY ANY OR ALL OF THE FOLLOWING METHODS:
 - STORMWATER FACILITIES ARE TO BE BUILT AS EARLY IN THE CONSTRUCTION PHASE AS POSSIBLE, TO ENSURE THE TREATMENT OF STORMWATER RUNOFF. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES, HOWEVER, SUCH AS BERM, SEDIMENT BASINS, GRASSING, SODDING, SAND BAGGING, BAILED HAY OR STRAW, FLOATING SILT BARRIERS, STACKED SILT BARRIERS, ETC., SHOULD BE PROVIDED AND MAINTAINED UNTIL THE PERMANENT FACILITIES ARE COMPLETED AND OPERATIONAL.
 - REVEGETATION AND STABILIZATION OF DISTURBED GROUND SURFACES SHOULD BE ACCOMPLISHED AS SOON AS POSSIBLE.
 - FULL COMPACTION OF ANY FILL MATERIAL PLACED AROUND NEWLY INSTALLED STRUCTURES.
 - PROHIBIT THE USE OF ANY CONSTRUCTION EQUIPMENT THAT LEAKS EXCESSIVE AMOUNTS OF FUEL OIL, OR HYDRAULIC FLUID.
- ALL DISTURBED AREAS SHALL BE GRADED FOR POSITIVE DRAINAGE, EXCEPT RETENTION AREAS, AND SHALL BE STABILIZED BY SODDING, EXCEPT WHERE SEEDING AND MULCHING ARE CALLED FOR ON THE PLANS. THE LATEST VERSION OF THE F.D.O.T. ROADWAY BRIDGE SPECIFICATIONS SHALL BE USED UNLESS MORE RESTRICTIVE LOCAL SPECIFICATIONS EXIST.

CONTRACTOR RESPONSIBLE FOR STABILIZING AND MAINTAINING SLOPES AND SOD THROUGHOUT CONSTRUCTION UNTIL SUCH TIME AS APPROVED BY THE ENGINEER.

PROTECTION OF FISH AND WILDLIFE:

THE CONTRACTOR MUST AT ALL TIMES PERFORM ALL WORK IN A WAY AND TAKE SUCH STEPS AS REQUIRED TO PREVENT ANY INTERFERENCE WITH OR DISTURBANCE TO FISH AND WILDLIFE. THE CONTRACTOR SHALL NOT ALTER WATER FLOWS OR OTHERWISE DISTURB HABITATS AND JURISDICTIONAL WETLANDS LOCATED WITHIN AND /OR ADJACENT TO THE PROJECT AREA.

RECORDING AND PRESERVING HISTORICAL AND ARCHEOLOGICAL FINDS:

ALL ITEMS HAVING ANY APPARENT HISTORICAL OR ARCHEOLOGICAL INTEREST THAT ARE DISCOVERED IN THE COURSE OF ANY CONSTRUCTION ACTIVITIES MUST BE CAREFULLY PRESERVED. THE CONTRACTOR MUST LEAVE THE ARCHEOLOGICAL FIND UNDISTURBED AND MUST IMMEDIATELY REPORT THE FIND TO THE OWNER SO THAT THE PROPER AUTHORITY MAY BE NOTIFIED.

PRIOR TO EXCAVATION
CONTACT SUNSHINE STATE ONE
-CALL OF FLORIDA
(1 800) 432-4770

CONTRACTOR SHALL SUBMIT FOR N.P.D.E.S. PERMIT
A MINIMUM OF 48 HOURS PRIOR TO CONSTRUCTION.
PERMIT APPLICATION SHALL BE SUBMITTED TO:

N.P.D.E.S. STORMWATER NOTICES CENTER, MS #2510,
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA
32399-2400

EARTHWORK:

- GENERAL
 - EROSION AND CONTROL MEASURES
 - COMPACTION TESTS
 - SOIL CLASSIFICATION TESTS
 - PRESERVATION PLANS
- SITE EXAMINATION
 - CONTRACTORS, BEFORE SUBMITTING BIDS, SHALL INFORM THEMSELVES AS TO LOCATION AND NATURE OF THE WORK, CHARACTER OF EQUIPMENT AND FACILITIES NEEDED FOR PERFORMANCE OF THE WORK, GENERAL AND LOCAL CONDITIONS, AND THE LOCATION OF THE SITE, AND OTHER MATTERS WHICH MAY IN ANY WAY, AFFECT THE WORK UNDER CONTRACT.
 - EXAMINE SOURCES OF INFORMATION CONCERNING GROUND WATER LEVEL, WHETHER SURFACE OR SUBSURFACE. EACH BIDDER TO DRAW HIS OWN CONCLUSION CONCERNING GROUND WATER LEVELS AND HOW WATER AFFECTS HIS WORK.

- SUBSURFACE INVESTIGATIONS
 - SUBSURFACE DATA, INCLUDING GROUND WATER ELEVATIONS OR CONDITIONS, IF SHOWN ON THE DRAWINGS OR ATTACHED TO THESE SPECIFICATIONS, ARE PRESENTED ONLY AS INFORMATION THAT IS AVAILABLE WHICH INDICATED CERTAIN CONDITIONS FOUND AND LIMITED TO THE EXACT LOCATIONS, SHALL NOT BE INTERPRETED AS AN INDICATION OF CONDITIONS THAT MAY ACTUALLY BE DEVELOPED THROUGH THE PERIOD OF CONSTRUCTION. BIDDERS SHALL EXAMINE THE SITE OF THE WORK AND MAKE THEIR OWN DETERMINATION OF THE CHARACTER OF MATERIALS AND THE CONDITIONS TO BE ENCOUNTERED ON THE WORK, AND THEIR PROPOSAL SHALL BE BASED UPON THEIR OWN INVESTIGATIONS. THE OWNER AND ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR VARIATIONS FOUND IN THE SUBSTRATE DATA ABOVE REFERRED TO AND ACTUAL FIELD CONDITIONS THAT DEVELOP THROUGH THE PERIOD OF CONSTRUCTION.
 - WHERE EXISTING GRADES, UTILITY LINES AND SUBSTRUCTURES ARE SHOWN ON THE DRAWINGS, THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR CORRECTNESS OF EXISTING CONDITIONS INDICATED. THE CONTRACTOR SHALL ASCERTAIN EXACT LOCATIONS OF UTILITIES AND SUBSTRUCTURES THAT MAY BE AFFECTED BY THIS PROJECT, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE OR INJURY THAT MAY RESULT FROM WORKING ON OR NEAR THOSE UTILITIES, SUBSTRUCTURES WHICH ARE NOT TO BE REMOVED OR DISCLOSED.

- BENCHMARKS AND MONUMENTS
 - MAINTAIN CAREFULLY EXISTING BENCH MARKS, MONUMENTS, AND OTHER REFERENCE POINTS IF DISTURBED OR DESTROYED, REPLACE AS DIRECTED.

- JOB CONDITIONS
 - CONDITION OF PREMISES: ACCEPT SITE AS FOUND AND EXCAVATE, FILL, COMPACT, AND BACKFILL SITE AS HEREINAFTER SPECIFIED.
 - PROTECTION
 - EXISTING STRUCTURES AND PROPERTY: TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES AND FACILITIES; PROVIDE AND PLACE BRACING OR SHORING AS NECESSARY OR PROPER IN CONNECTION THEREWITH; BE RESPONSIBLE FOR SAFETY AND SUPPORT OF SUCH STRUCTURES; BE LIABLE FOR ANY MOVEMENT OR SETTLEMENT, ANY DAMAGE OR INJURY CAUSED THEREBY OR RESULTING THEREFROM, IF AT ANY SAFETY OR ANY ADJACENT STRUCTURES APPEARS TO BE ENDANGERED, CEASE OPERATION, TAKE PRECAUTIONS TO SUPPORT SUCH STRUCTURES AND NOTIFY THE OWNER. RESUME OPERATIONS ONLY AFTER PERMISSION HAS BEEN GRANTED BY THE OWNER.
 - SIDEWALKS AND STREETS: TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT, SETTLEMENT OR COLLAPSE OF ANY SIDEWALKS, CURBS OR STREET PASSAGES ON ADJOINING SITE; BE LIABLE FOR ANY SUCH MOVEMENT, SETTLEMENT OR COLLAPSE; REPAIR PROMPTLY IN SUCH DAMAGE WHEN ORDERED; INSTALL SUCH SHORING, INCLUDING SHEET PILING, AS MAY BE REQUIRED DURING CONSTRUCTION, TO PROTECT BANKS, ADJACENT PAVING, STRUCTURES AND UTILITIES.
 - RESPONSIBILITY: BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES OR TO EQUIPMENT AND FURNISHINGS HOUSED THEREWHICH ARE DUE DIRECTLY OR INDIRECTLY TO CONSTRUCTION OPERATIONS, EXCEPT WHERE REMOVAL IS NECESSITATED BY SITE GRADING OR LOCATION OF NEW BUILDING. USE EVERY POSSIBLE PRECAUTION TO PREVENT INJURIES TO LANDSCAPING, DRIVES, CURBS AND WALKS ON OR ADJACENT TO SITE OF THE WORK AND REPLACE, AT NO EXPENSE TO OWNER, ANY OF SUCH DESTROYED.
- EXECUTION
 - GENERAL
 - ACCOMPLISH IN A MANNER THAT PROVIDES FOR THE SAFETY OF THE PUBLIC AND WORKMEN AND PROVIDE FOR THE PROTECTION OF ALL PROPERTY.
 - CONSTRUCTION: DO NOT CLOSE, OBSTRUCT OR STORE MATERIAL OR EQUIPMENT IN STREETS, SIDEWALKS, ALLEYS OR PASSAGEWAYS WITHOUT A PERMIT IN ACCORDANCE WITH LOCAL ORDINANCES, REGULATIONS AND CODES.
 - INTERFERENCE: CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE WITH ROADS, STREETS, DRIVEWAYS, ALLEYS AND OTHER FACILITIES.
 - PNEUMATIC TOOLS: WORK WITH PNEUMATIC OR VIBRATORY TOOLS WILL BE PERMITTED ONLY IN A MANNER WHICH CAUSES NO RELATED DAMAGES.
 - REMOVAL: UNLESS OTHERWISE SPECIFIED, MATERIALS TO BE RELOCATED OR STORED, ALL MATERIALS REMOVED BECOME THE PROPERTY OF THE CONTRACTOR AND ARE TO BE REMOVED COMPLETELY AWAY FROM THE SITE BY THE CONTRACTOR. DO NOT STORE OR PERMIT DEBRIS TO ACCUMULATE AT ANY LOCATION.
 - TEMPORARY STRUCTURES: REMOVE ALL TEMPORARY STRUCTURES WHEN THEY ARE NO LONGER REQUIRED.
 - REPAIR: CLEAN UP, REPAIR OR REPLACE AT NO COST TO OWNER ALL PROPERTY DAMAGED BY REASON OF REQUIRED WORK. ALL PATCHWORK SHALL MATCH EXISTING AND BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER BY CRAFTSMEN SKILLED IN THE TRADE INVOLVED. IN NEWLY GRADED AREAS, THE CONTRACTOR SHALL TAKE TEMPORARY MEASURE NECESSARY, TO PREVENT DAMAGE FROM EROSION OF FRESHLY GRADED AREA, WHERE ANY SETTLEMENT OR WASHING MAY OCCUR PRIOR TO ACCEPTANCE OF THE WORK, REPAIR AND RE-ESTABLISH GRADES TO THE REQUIRED ELEVATIONS AND SLOPES AT NO ADDITIONAL COST TO THE OWNER. THIS APPLIES TO DAMAGE, TO THE NEWLY GRADED AREAS WITHIN THE CONSTRUCTION LIMITS AND DAMAGE TO ADJACENT PROPERTIES BY ERODED MATERIAL.

- LOCATIONS AND ELEVATIONS
 - CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SURVEYS, MEASUREMENTS AND LAYOUTS REQUIRED FOR PROPER EXECUTION OF THE WORK. LAY OUT LINES AND GRADES FROM EXISTING SURVEY CONTROL SYSTEM AND AS SHOWN ON DRAWINGS.
- CLEARING AND GRUBBING
 - WITHIN LIMITS OF AREA DESIGNATED FOR GRADING AND SITE CONSTRUCTION WORK, REMOVE TREES, BRUSH, STUMPS, WOOD, DEBRIS AND OTHER DELETERIOUS MATERIALS NOT REQUIRED TO REMAIN AS PART OF FINISHED WORK.
 - REMOVE ALL GRASS, PLANTS, VEGETATION AND ORGANIC MATERIAL FROM SAME AREA.
- STRIPPING
 - STRIP ALL TOPSOIL, ORGANIC MATERIAL SURFACE LITTER, RUBBLE AND OVERBURDEN FOR ENTIRE DEPTH OF ROOT SYSTEM OF GRASS OR OTHER VEGETATION OVER THE LIMITS OF CONSTRUCTION.
 - STOCKPILE TOPSOIL ON SITE WHERE DIRECTED.
- EXCAVATION
 - BEGIN EXCAVATION AFTER STRIPPING, CLEARING AND GRUBBING WHERE APPLICABLE, HAS BEEN COMPLETED.
 - EXCAVATE TO GRADES REQUIRED TO ACCOMMODATE THE PROPOSED CONSTRUCTION. DEWATER AS NEEDED.
 - REMOVE UNSATISFACTORY MATERIALS/ENCOUNTERED FROM THE BUILDING AREAS, AND OTHER NON-LANDSCAPED AREAS.
 - EXCAVATE IN SUCH A MANNER THAT QUICK AND EFFICIENT DRAINAGE OF STORMWATER WILL BE AFFECTED.
 - CLASSIFY EXCAVATED MATERIALS AND STOCKPILE SEPARATELY SUITABLE SOILS FOR USE AS BACKFILL MATERIALS, IF SUFFICIENT QUANTITIES OF EXCAVATED MATERIALS MEETING REQUIREMENTS FOR BACKFILL ARE NOT AVAILABLE ON SITE, PROVIDE MATERIALS MEETING THESE REQUIREMENTS.
 - STOCKPILE EXCAVATED MATERIAL SUITABLE FOR USE AS FILL AND BACKFILL.

- FILLING, BACKFILLING AND COMPACTION
 - THE WORK CONSISTS OF COMPACTION OF EXISTING EARTH (EXCLUDE ROCK), SURFACES AFTER EXCAVATION, FILLING AND COMPACTION OF SAID AREA TO LEVELS REQUIRED WITH SUITABLE BACKFILL MATERIAL.
 - MATERIALS: "SATISFACTORY FILL MATERIALS" AASHTO CLASSIFICATION A-3 OR BETTER SHALL BE USED IN FILLS AND BACKFILLS.
 - FILLING AND BACKFILLING: PLACE "SATISFACTORY FILL MATERIAL" IN HORIZONTAL LAYERS NOT EXCEEDING 6 INCHES IN THICKNESS. COMPACT AS SPECIFIED HEREIN. NO MATERIAL SHALL BE PLACED ON SURFACES THAT ARE MUDDY.
- PORTLAND CEMENT CONCRETE PAVING:
 - CONTRACTOR SHALL BE RESPONSIBLE FOR THE DESIGN AND CONSTRUCTION OF THE PAVING JOINT TYPES AND LOCATIONS AND SHALL INCLUDE A STATEMENT OF PROPOSED SEQUENCE AND SCHEDULE OF PAVING OPERATIONS.
 - RESULTS OF CONCRETE TESTS
 - RESULTS OF FIELD TESTS OF LBR AND COMPACTION OF STABILIZED SUBGRADE.

- SUBMITTALS
 - THE CONTRACTOR SHALL SUBMIT TWO COPIES OF TEST REPORTS PREPARED BY AN INDEPENDENT TESTING LABORATORY AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED TO PRACTICE IN THE STATE OF FLORIDA. THESE REPORTS SHALL INDICATE ALL TESTS PERFORMED AND SHALL INCLUDE A CERTIFICATION STATEMENT OF COMPLIANCE WITH THE PROJECT SPECIFICATIONS. TESTS SHALL BE PERFORMED AS SPECIFIED UNDER THIS SECTION.

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PREPARED FOR:

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EARTHWORK (CON'T):

- GENERAL
 - EROSION AND CONTROL MEASURES
 - COMPACTION TESTS
 - SOIL CLASSIFICATION TESTS
 - PRESERVATION PLANS
- SITE EXAMINATION
 - CONTRACTORS, BEFORE SUBMITTING BIDS, SHALL INFORM THEMSELVES AS TO LOCATION AND NATURE OF THE WORK, CHARACTER OF EQUIPMENT AND FACILITIES NEEDED FOR PERFORMANCE OF THE WORK, GENERAL AND LOCAL CONDITIONS, AND THE LOCATION OF THE SITE, AND OTHER MATTERS WHICH MAY IN ANY WAY, AFFECT THE WORK UNDER CONTRACT.
 - EXAMINE SOURCES OF INFORMATION CONCERNING GROUND WATER LEVEL, WHETHER SURFACE OR SUBSURFACE. EACH BIDDER TO DRAW HIS OWN CONCLUSION CONCERNING GROUND WATER LEVELS AND HOW WATER AFFECTS HIS WORK.

- SUBSURFACE INVESTIGATIONS
 - SUBSURFACE DATA, INCLUDING GROUND WATER ELEVATIONS OR CONDITIONS, IF SHOWN ON THE DRAWINGS OR ATTACHED TO THESE SPECIFICATIONS, ARE PRESENTED ONLY AS INFORMATION THAT IS AVAILABLE WHICH INDICATED CERTAIN CONDITIONS FOUND AND LIMITED TO THE EXACT LOCATIONS, SHALL NOT BE INTERPRETED AS AN INDICATION OF CONDITIONS THAT MAY ACTUALLY BE DEVELOPED THROUGH THE PERIOD OF CONSTRUCTION. BIDDERS SHALL EXAMINE THE SITE OF THE WORK AND MAKE THEIR OWN DETERMINATION OF THE CHARACTER OF MATERIALS AND THE CONDITIONS TO BE ENCOUNTERED ON THE WORK, AND THEIR PROPOSAL SHALL BE BASED UPON THEIR OWN INVESTIGATIONS. THE OWNER AND ENGINEER SHALL NOT BE HELD RESPONSIBLE FOR VARIATIONS FOUND IN THE SUBSTRATE DATA ABOVE REFERRED TO AND ACTUAL FIELD CONDITIONS THAT DEVELOP THROUGH THE PERIOD OF CONSTRUCTION.
 - WHERE EXISTING GRADES, UTILITY LINES AND SUBSTRUCTURES ARE SHOWN ON THE DRAWINGS, THE OWNER AND ENGINEER ASSUME NO RESPONSIBILITY FOR CORRECTNESS OF EXISTING CONDITIONS INDICATED. THE CONTRACTOR SHALL ASCERTAIN EXACT LOCATIONS OF UTILITIES AND SUBSTRUCTURES THAT MAY BE AFFECTED BY THIS PROJECT, AND SHALL BE RESPONSIBLE FOR ANY DAMAGE OR INJURY THAT MAY RESULT FROM WORKING ON OR NEAR THOSE UTILITIES, SUBSTRUCTURES WHICH ARE NOT TO BE REMOVED OR DISCLOSED.

- BENCHMARKS AND MONUMENTS
 - MAINTAIN CAREFULLY EXISTING BENCH MARKS, MONUMENTS, AND OTHER REFERENCE POINTS IF DISTURBED OR DESTROYED, REPLACE AS DIRECTED.

- JOB CONDITIONS
 - CONDITION OF PREMISES: ACCEPT SITE AS FOUND AND EXCAVATE, FILL, COMPACT, AND BACKFILL SITE AS HEREINAFTER SPECIFIED.
 - PROTECTION
 - EXISTING STRUCTURES AND PROPERTY: TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT OR SETTLEMENT OF ADJACENT STRUCTURES AND FACILITIES; PROVIDE AND PLACE BRACING OR SHORING AS NECESSARY OR PROPER IN CONNECTION THEREWITH; BE RESPONSIBLE FOR SAFETY AND SUPPORT OF SUCH STRUCTURES; BE LIABLE FOR ANY MOVEMENT OR SETTLEMENT, ANY DAMAGE OR INJURY CAUSED THEREBY OR RESULTING THEREFROM, IF AT ANY SAFETY OR ANY ADJACENT STRUCTURES APPEARS TO BE ENDANGERED, CEASE OPERATION, TAKE PRECAUTIONS TO SUPPORT SUCH STRUCTURES AND NOTIFY THE OWNER. RESUME OPERATIONS ONLY AFTER PERMISSION HAS BEEN GRANTED BY THE OWNER.
 - SIDEWALKS AND STREETS: TAKE PRECAUTIONS TO GUARD AGAINST MOVEMENT, SETTLEMENT OR COLLAPSE OF ANY SIDEWALKS, CURBS OR STREET PASSAGES ON ADJOINING SITE; BE LIABLE FOR ANY SUCH MOVEMENT, SETTLEMENT OR COLLAPSE; REPAIR PROMPTLY IN SUCH DAMAGE WHEN ORDERED; INSTALL SUCH SHORING, INCLUDING SHEET PILING, AS MAY BE REQUIRED DURING CONSTRUCTION, TO PROTECT BANKS, ADJACENT PAVING, STRUCTURES AND UTILITIES.
 - RESPONSIBILITY: BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING STRUCTURES OR TO EQUIPMENT AND FURNISHINGS HOUSED THEREWHICH ARE DUE DIRECTLY OR INDIRECTLY TO CONSTRUCTION OPERATIONS, EXCEPT WHERE REMOVAL IS NECESSITATED BY SITE GRADING OR LOCATION OF NEW BUILDING. USE EVERY POSSIBLE PRECAUTION TO PREVENT INJURIES TO LANDSCAPING, DRIVES, CURBS AND WALKS ON OR ADJACENT TO SITE OF THE WORK AND REPLACE, AT NO EXPENSE TO OWNER, ANY OF SUCH DESTROYED.
- EXECUTION
 - GENERAL
 - ACCOMPLISH IN A MANNER THAT PROVIDES FOR THE SAFETY OF THE PUBLIC AND WORKMEN AND PROVIDE FOR THE PROTECTION OF ALL PROPERTY.
 - CONSTRUCTION: DO NOT CLOSE, OBSTRUCT OR STORE MATERIAL OR EQUIPMENT IN STREETS, SIDEWALKS, ALLEYS OR PASSAGEWAYS WITHOUT A PERMIT IN ACCORDANCE WITH LOCAL ORDINANCES, REGULATIONS AND CODES.
 - INTERFERENCE: CONDUCT OPERATIONS WITH MINIMUM INTERFERENCE WITH ROADS, STREETS, DRIVEWAYS, ALLEYS AND OTHER FACILITIES.
 - PNEUMATIC TOOLS: WORK WITH PNEUMATIC OR VIBRATORY TOOLS WILL BE PERMITTED ONLY IN A MANNER WHICH CAUSES NO RELATED DAMAGES.
 - REMOVAL: UNLESS OTHERWISE SPECIFIED, MATERIALS TO BE RELOCATED OR STORED, ALL MATERIALS REMOVED BECOME THE PROPERTY OF THE CONTRACTOR AND ARE TO BE REMOVED COMPLETELY AWAY FROM THE SITE BY THE CONTRACTOR. DO NOT STORE OR PERMIT DEBRIS TO ACCUMULATE AT ANY LOCATION.
 - TEMPORARY STRUCTURES: REMOVE ALL TEMPORARY STRUCTURES WHEN THEY ARE NO LONGER REQUIRED.
 - REPAIR: CLEAN UP, REPAIR OR REPLACE AT NO COST TO OWNER ALL PROPERTY DAMAGED BY REASON OF REQUIRED WORK. ALL PATCHWORK SHALL MATCH EXISTING AND BE PERFORMED IN A NEAT AND WORKMANLIKE MANNER BY CRAFTSMEN SKILLED IN THE TRADE INVOLVED. IN NEWLY GRADED AREAS, THE CONTRACTOR SHALL TAKE TEMPORARY MEASURE NECESSARY, TO PREVENT DAMAGE FROM EROSION OF FRESHLY GRADED AREA, WHERE ANY SETTLEMENT OR WASHING MAY OCCUR PRIOR TO ACCEPTANCE OF THE WORK, REPAIR AND RE-ESTABLISH GRADES TO THE REQUIRED ELEVATIONS AND SLOPES AT NO ADDITIONAL COST TO THE OWNER. THIS APPLIES TO DAMAGE, TO THE NEWLY GRADED AREAS WITHIN THE CONSTRUCTION LIMITS AND DAMAGE TO ADJACENT PROPERTIES BY ERODED MATERIAL.

DEWATERING:

- GENERAL
 - DEWATERING CONSISTS OF PERFORMING ALL WORK NECESSARY TO REMOVE SURFACE WATER AND /OR CONTROL THE GROUND WATER LEVELS AND HYDROSTATIC PRESSURES IN ORDER TO PERMIT ALL EXCAVATION AND CONSTRUCTION UNDER THIS CONTRACT TO BE PERFORMED IN THE DRY.
 - WORK OF THIS SECTION INCLUDES INSTALLATION, OPERATIONS, MAINTENANCE, SUPERVISION, SUPPLY, DISMANTLING AND REMOVAL FROM THE SITE OF THE DEWATERING EQUIPMENT.
 - THE CONTRACTOR MUST FAMILIARIZE HIMSELF WITH THE POTENTIAL FOR EXCESSIVE RAINFALL, THE GROUND CONDITIONS, AND THE GROUND WATER CONDITIONS. GROUND WATER ELEVATION CAN FLUCTUATE. IT IS ANTICIPATED THAT ANY EXCAVATIONS MAY ENCOUNTER THE GROUND WATER TABLE.
 - DRAINAGE OF THE SITE: AT ALL TIMES THE CONTRACTOR SHALL MAINTAIN AND OPERATE ADEQUATE SURFACE AND SUBSURFACE DRAINAGE METHODS IN ORDER TO KEEP THE CONSTRUCTION SITE DRY AND IN SUCH CONDITION THAT PLACEMENT AND COMPACTION OF FILL MAY PROCEED UNHINDERED BY SATURATION OF THE AREA DURING CONSTRUCTION, THE SURFACE OF THE BACKFILL AREA SHALL BE LEFT IN SUCH CONDITION THAT PRECIPITATION AND /OR SURFACE WATER WILL RUN OFF WITHOUT PONDSING.
- METHOD
 - THE CONTROL OF ALL SURFACE AND SUBSURFACE WATER IS PART OF THE DEWATERING REQUIREMENTS. MAINTAIN ADEQUATE CONTROL SO THAT THE STABILITY OF EXCAVATED AND CONSTRUCTION SLOPES IS NOT ADVERSELY AFFECTED BY WATER. THAT EROSION IS CONTROLLED, AND THE FLOODING OF EXCAVATIONS OR DAMAGE TO STRUCTURES DOES NOT OCCUR.
 - DISPOSE OF ALL WATER REMOVED FROM THE EXCAVATION IN A MANNER THAT WILL NOT ENDANGER PUBLIC HEALTH, PROPERTY, OR PORTIONS OF THE WORK UNDER CONSTRUCTION OR COMPLY WITH ANY LOCAL, STATE, OR FEDERAL REQUIREMENTS.
 - DISPOSE OF WATER RESULTING FROM DEWATERING OPERATIONS IN ACCORDANCE WITH CITY, COUNTY, STATE AND FEDERAL REGULATIONS.
 - CONDUCT OPERATIONS SO THAT STORMWATER RUNOFF, SEDIMENT IS NOT DISCHARGED TO THE ADJACENT WATER BODIES, SEWERS, STREETS AND ADJACENT PROPERTIES.
 - DEWATERING SYSTEM SHALL BE DESIGNED AS TO A UNIFORM, SATISFACTORY APPEARANCE, BOTH DAY AND NIGHT, SHALL BE CORRECTED.
 - DATE OF APPLICATION: THE MINIMUM RATE OF APPLICATION FOR PAIN SHALL BE AS FOLLOWS:
 - FOUR INCH SLOPE: 20 GALLONS PER MILE
 - ANY OTHER WITH STRIDE OR MARKINGS: A DIRECT PROPORTION OF THE ABOVE.

PORTLAND CEMENT CONCRETE PAVING:

- QUALITY ASSURANCE
 - COMPLY WITH AO STANDARDS RECOMMENDED PRACTICES FOR CONSTRUCTION OF CONCRETE PAVEMENTS AND CONCRETE BASES (A31 25.9R, LATEST EDITION)
- REFERENCE STANDARDS
 - THE FOLLOWING REFERENCE STANDARDS OF THE ISSUES LISTED BELOW BUT REFERRED TO THEREAFTER BY BASIC DESIGNATION ONLY, FORM A PART OF THIS SPECIFICATION TO THE EXTENT INDICATED BY THE REFERENCES THERETO. TESTS SHALL BE PERFORMED IN ACCORDANCE WITH HEREINAFTER SPECIFIED STANDARDS.
 - AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
 - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS (AASHTO) STANDARD.
 - FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARDS AND SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION-SECTION 350- "CEMENT CONCRETE PAVEMENT"
 - 1-180 MOISTURE - DENSITY RELATIONS OF SOILS
- SUBMITTALS
 - CONTRACTOR SHALL SUBMIT TWO COPIES OF TEST REPORTS PREPARED BY AN INDEPENDENT TESTING LABORATORY AND CERTIFIED BY A PROFESSIONAL ENGINEER REGISTERED TO PRACTICE IN THE STATE OF FLORIDA. THESE REPORTS SHALL INDICATE ALL TESTS PERFORMED AND SHALL INCLUDE A CERTIFICATION STATEMENT OF COMPLIANCE WITH THE PROJECT SPECIFICATIONS. TESTS SHALL BE PERFORMED AS SPECIFIED UNDER THIS SECTION.

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PORTLAND CEMENT CONCRETE PAVING (CON'T):

- MATERIALS
 - STABILIZED SUBGRADE: PROVIDE 12 INCH STABILIZED SUBGRADE (LBR 40 MIN) COMPACTED TO A MINIMUM DENSITY OF 98% AS DETERMINED BY AASHTO T-180
 - CONCRETE: COMPACTED CONCRETE PAVEMENT SHALL HAVE A COMPRESSIVE STRENGTH OF 3000 PSI AT 28 DAYS, A SLUMP RANGE BETWEEN 2 TO 4 INCHES AND A 28 DAY MODULUS OF RUPTURE OF 650 PSI AS DETERMINED BY THE REQUIREMENTS OF PARAGRAPH TESTING SPECIFIED HEREIN.
 - JOINT SEALER: JOINT SEALING SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, LATEST EDITION, SECTION 712
 - PREFORMED EXPANSION JOINT FILLER: PREFORMED EXPANSION JOINT FILLER SHALL CONFORM TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION OF ROADS AND BRIDGES ON FEDERAL HIGHWAY PROJECTS, LATEST EDITION, SECTION 712

- EXECUTION
 - COMPLY WITH AO STANDARD 316-74 AND SECTION 350, FDOT STANDARDS AND SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED HEREIN.
 - FINAL GRADING : ALL CONCRETE PAVEMENT SHALL HAVE A MAXIMUM DEVIATION OF 1/8 INCH (PLUS/ MINUS) FROM THE SPECIFIED SURFACE PLANE AND PLAN GRADES.
 - THE SURFACE FINISH SHALL BE APPROVED BY THE OWNER OR HIS REPRESENTATIVE. IN GENERAL THE TEXTURE IS OF A MEDIUM BROOM FINISH AFTER FLOATING.
 - JOINTS
 - CONTRACTION JOINTS INDICATED ON DRAWINGS, OR AS REQUIRED SHALL BE PLACED PERPENDICULAR TO THE FINISH GRADE OF THE CONCRETE. JOINTS SHALL BE CUT TO A DEPTH OF 1/4 OF THE SLAB THICKNESS BY CUTTING WITH AN EDGING TOOL, HAVING A 1/4 INCH RADIUS OR BY SAWING WITH A BLADE PRODUCING A CUT NOT LESS THAN 1/8 INCH IN WIDTH. SAW JOINTS WITHIN 4 TO 6 HOURS OF CONCRETE PLACEMENT.
 - EXPANSION JOINTS SHALL BE PLACED WHERE INDICATED ON DRAWINGS, OR AS REQUIRED, USING 1/2 INCH THICK PREFORMED EXPANSION JOINT MATERIAL, ANCHOR WITH APPROVED DEVICES TO PREVENT DISPLACEMENT DURING PLACEMENT AND FINISHING. EDGES OF JOINTS SHALL BE ROUNDED WITH A RADIUS OF 1/4 INCH. A FULL DEPTH OF CONCRETE EXCEPT THAT TOP EDGES SHALL BE 1/2 INCH BELOW THE FINISH CONCRETE SURFACE. EXPANSION JOINTS SHALL BE SEALED TO THE SURFACE BY FILLING WITH JOINT SEALING COMPOUND. JOINTS SHALL BE CLEAN AND DRY BEFORE SEALING COMPOUND IS PUT IN PLACE.
 - CONSTRUCTION JOINTS ARE TO BE USED AT CONTRACTION JOINT LOCATIONS TO STOP CONCRETE POURS.
 - CURING: CONCRETE SHALL BE CURED BY PROTECTING IT AGAINST LOSS OF MOISTURE AND PREVENT INJURY FOR AT LEAST 7 DAYS AFTER PLACEMENT. A PIGMENTED LUMP CURING MEMBRANE SHALL BE APPLIED IMMEDIATELY AFTER FINISHING. OPERATION AT THE RATE OF ONE GALLON TO NOT MORE THAN 200 SQUARE FEET.
 - FINISHING AND SEALING JOINTS: JOINTS SHALL BE FILLED WITH JOINT-SEALING MATERIAL, NO LESS THAN 8 HOURS AND WITHIN 2 WEEKS AFTER THOROUGHLY CLEANED OF ALL FOREIGN MATERIAL INCLUDING ANY MEMBRANE CURING COMPOUND.
 - TESTING: CONCRETE SHALL BE FIELD TESTED AT FREQUENCY OF ONE PER 10,000 SF. IN ADDITION, ALL RETESTING SHALL BE DONE AT CONTRACTOR'S EXPENSE.
 - DESIGN MIXES AND TESTING REQUIREMENTS FOR THE CONCRETE PAVEMENT SHALL BE AS FOLLOWS:
 - FLEXURAL STRENGTH TESTS OF CONCRETE AS BASIS FOR DESIGN
 - SLUMP, MODULUS OF RUPTURE AND 7-AND 20 DAY COMPRESSIVE STRENGTH TESTS SHALL BE PERFORMED ON SAMPLES TAKEN AT THE SITE AT A FREQUENCY OF TWO PER ACRE
 - WHERE THE FLEXURAL STRENGTH OF THE CONCRETE IS SPECIFIED, MAKE ONE STRENGTH TEST AND ONE FLEXURAL TEST FOLLOWING (ASTM C192 AND ASTM C78) FOR EACH 100 SQUARE YARDS OR FRACTION THEREOF. THE MINIMUM NUMBER OF CYLINDERS SHALL BE THREE FOR STRENGTH TEST AND THREE FOR FLEXURAL TEST. TEST ONE AT THREE DAYS, ONE AT SEVEN DAYS AND ONE AT 28 DAYS.

PAVEMENT MARKING:

- QUALITY ASSURANCE
 - WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS IN A NEAT AND ACCURATE MANNER.
 - ALL EQUIPMENT SHALL BE OF A TYPE AND DESIGN WHICH WILL READILY OBTAIN THE REQUIRED UNIFORMITY OF APPLICATION OF THE PAVEMENT MARKINGS BOTH AS TO THICKNESS OF COATING AND AS TO ALIGNMENT.
- REFERENCE STANDARDS
 - THE FOLLOWING PUBLICATIONS OF THE ISSUE LISTED BELOW, BUT REFERRED TO THEREAFTER BY BASIC DESIGNATION ONLY, FORM A PART OF THIS SPECIFICATION TO THE EXTENT INDICATED BY THE REFERENCES THERETO:
 - FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION.
 - MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS PUBLISHED BY THE U.S. DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION, LATEST EDITION.
- SUBMITTALS
 - SUBMIT PAINT TESTS, AS SPECIFIED IN SECTION 971 OF FDOT SPECIFICATIONS AND AS APPLICABLE TO HEREINAFTER SPECIFIED MATERIAL.
- MATERIALS AND COLORS
 - THERMOPLASTIC: IN ACCORDANCE WITH REQUIREMENTS AS SPECIFIED IN SECTION 711 AND 971 OF THE FDOT SPECIFICATIONS, LATEST EDITION.
 - PAINT: IN ACCORDANCE WITH REQUIREMENTS AS SPECIFIED IN SECTION 710 AND 971 OF THE FDOT SPECIFICATIONS, LATEST EDITION. LATEX PAINT ONLY.
 - COLORS: YELLOW AND WHITE PER FOOT, OR AS INDICATED ON DRAWINGS.

- EXECUTION
 - TIME OF APPLICATION: PAINTING SHALL BE DONE ONLY DURING DAYLIGHT HOURS AND AS FAR AS PRACTICAL, SHALL BE TERMINATED IN TIME TO PERMIT SUFFICIENT DRYING BY SUNSET.
 - WEATHER LIMITATIONS: NO PAINT SHALL BE APPLIED WHEN ANY MOISTURE IS PRESENT ON THE SURFACE TO BE PAINTED OR WHEN THE AIR TEMPERATURE IS BELOW 50° F. PAINTING SHALL NOT BE DONE WHEN WINDS ARE SUFFICIENT TO CAUSE SPRAY DUST.
 - PREPARATION OF SURFACE TO BE PAINTED: THE SURFACE WHICH IS TO BE PAINTED SHALL BE CLEANED BY HIGH PRESSURE AIR OR OTHER EFFECTIVE MEANS, IMMEDIATELY BEFORE THE START OF PAINTING AND SHALL BE CLEAN AND DRY WHEN THE PAINT IS APPLIED. ANY VEGETATION OR LOOSE SOIL SHALL BE REMOVED FROM THE PAVEMENT BEFORE STRIPING IS BEGUN.
 - MIXING PAINT: THE PAINT SHALL BE THOROUGHLY MIXED BEFORE IT IS POURED INTO THE PAINTING MACHINE AND NO THINNING OF THE PAINT IN THE MACHINE WILL BE ALLOWED AT ANY TIME DURING THE PART OF EACH DAY'S WORK THE PAINT CONTAINER, THE CONNECTIONS AND THE SPRAY NOZZLES ON THE MACHINE SHALL BE THOROUGHLY CLEANED WITH PAINT THINNER OR OTHER SUITABLE CLEANER.
 - PAINT THICKNESS: PAINT THICKNESS SHALL BE OF THE SPECIFIED DIMENSIONS WITH CLEAN, TRUE EDGES AND WITHOUT SHARP BREAKS IN THE ALIGNMENT. A UNIFORM COATING OF PAINT SHALL BE OBTAINED AND THE FINISHED MARKINGS SHALL CONTAIN NO LIGHT SPOTS OR PAINT SHORT. ANY STRIPES WHICH DO NOT HAVE A UNIFORM, SATISFACTORY APPEARANCE, BOTH DAY AND NIGHT, SHALL BE CORRECTED.
 - DATE OF APPLICATION: THE MINIMUM RATE OF APPLICATION FOR PAINT SHALL BE AS FOLLOWS:
 - FOUR INCH SLOPE: 20 GALLONS PER MILE
 - ANY OTHER WITH STRIDE OR MARKINGS: A DIRECT PROPORTION OF THE ABOVE.
 - HANDICAP LOGO: IN CONFORMANCE TO THE REQUIREMENTS OF THIS SECTION AND LOCAL CODES.
 - REQUIRED FILM THICKNESS: THE MINIMUM WET FILM THICKNESS FOR ALL PAINTED AREAS SHALL BE 15 MILS.
 - ALIGNMENT OF STRIPES: WHERE A STRIPE DEVIATES FROM THE CORRECT ALIGNMENT, AS INDICATED BY THE STRING LINE, BY MORE THAN ONE INCH IN ANY 20 FOOT LENGTH, IT SHALL BE OBLITERATED AND THE STRIPE CORRECTED HEREINAFTER AS SPECIFIED IN PARAGRAPH "CORRECTIVE MEASURES"

- PROTECTION OF PAINTED MARKINGS
 - PROTECTION OF STRIPES: ALL NEWLY PAINTED STRIPES, OR OTHER MARKINGS, SHALL BE PROTECTED UNTIL THE PAINT IS SUFFICIENTLY DRY TO PERMIT VEHICLES TO CROSS THE MARKING WITHOUT DAMAGE FROM THE TIRES.
 - REPAIR OF DAMAGED AREAS: ANY PORTION OF THE STRIPES DAMAGED BY PASSING TRAFFIC OR FROM ANY OTHER CAUSE, SHALL BE REPAINTED AT THE CONTRACTOR'S EXPENSE.

- DIMENSION AND ALIGNMENT TOLERANCE
 - DIMENSIONS: NO MARKING SHALL BE LESS THAN THE SPECIFIED WIDTH. NO MARKINGS SHALL EXCEED THE SPECIFIED WIDTH BY MORE THAN 1/8 INCH. ALIGNMENT TOLERANCES SHALL BE AS SPECIFIED IN 1-05-11.
 - CORRECTION RATES: ANY CORRECTIONS OF VARIATION IN THE WIDTH OF OR IN THE ALIGNMENT OF STRIPES SHALL NOT BE MADE ABRUPTLY BUT THE STRIPES SHALL BE RETURNED TO THE DESIGN WIDTH AT THE RATE OF AT LEAST 10 FEET FOR EACH 1/2 INCH.

- CORRECTIVE MEASURES
 - ALL PAVEMENT MARKINGS

ABD	ABANDONED	GA	GAUGE
ACC	ACRE	GAL	GALLON
ACCEL	ACCELERATION	GALV	GALVANIZED
ADJ	ADJUST	GAR	GARAGE
AGG	AGGREGATE	GB	GRADE BREAK
ALT	ALTERNATE	GD	GUTTER DRAIN
ALUM	ALUMINUM	GIP	GIP
AM	11:59 MIDNIGHT UNTIL 12:00 NOON	QM	QS MAIN
APPL	APPLICATION	GR	GRADE POINT
APPROX	APPROXIMATE	GR	GRADE OR GRATE
ARV	AIR RELIEF VALVE	GRC	GALVANIZED RIGID CONDUIT
ASPH	ASPHALT	GTR	GROUND
ASSEM	ASSEMBLY	GTV	GUTTER
ATTN	ATTENTION	GV	GV VALVE
AUX	AUXILIARY	HS	HIGH STRENGTH
AVE	AVENUE	HB	HAY BALES
AWG	AMERICAN WIRE GAUGE	HC	HANDICAPPED OR HORIZONTAL CLEARANCE
BC	BACK OF CURB	HD	HEAVY DUTY
BCOMP	BITUMINOUS COATED CORRUGATED METAL PIPE	HOPE	HIGH DENSITY POLYETHYLENE
BE	BURIED ELECTRIC	HDWL	HEADWALL
BEON	BEYOND	HNDRL	HANDRAIL
BIT	BITUMINOUS	HOA	HOME OWNERS ASSOCIATION
BK	BACK	HOR	HORIZONTAL
BL	BASILINE	HP	HIGH POINT OR HIGH PRESSURE
BLC	BASILINE CONTROL	HQR	HOUR
BLDG	BUILDING	HSE	HOUSE
BLKHD	BULKHEAD	HT	HEIGHT
BLVD	BOULEVARD	HW	HIGH WATER
BM	BENCHMARK	HWY	HIGHWAY
BNDRY	BOUNDARY	HYD	HYDRAULIC
BOT	BOTTOM	HERTZ	HERTZ
BP	BORROW PIT	ID	INSIDE DIAMETER OR IDENTIFICATION
BR	BRIDGE	IN	INCH(ES)
BRG	BEARING	INC	INCORPORATED OR INCLUDING
BT	BURIED TELEPHONE	INDRY	INDUSTRY
BTFLY	BUTTERFLY	INSTALL	INSTALLED
BTWN	BETWEEN	INT	INTERIOR
BW	BOTTOM WIDTH	INV	INVERT
CBG	CURB AND GUTTER	IP	IRON PIPE
CIP	CAST IN PLACE	IRON	IRON ROD
CA	COURSE AGGREGATE	ISECT	INTERSECTION
CA	CORRUGATED ALUMINUM PIPE	ISL	ISLAND
CASP	CORRUGATED ALUMINIZED STEEL PIPE	JB	JUNCTION BOX
CBV	CABLE TELEVISION	JCT	JUNCTION
CB	CATCH BASIN	JT	JOINT
CCC	CONCRETE BOX CULVERT	K	KESION HOUR FACTOR
CBS	CONCRETE BOX STRUCTURE	KWH	KILOWATT-HOUR
CC	CROSS DRAIN	L	LENGTH
CEM	CEMENT	L/W	LENGTH
CF	CUBIC FOOT	LA	LIMITED ACCESS
CFS	CUBIC FOOT PER SECOND	LAT	LATITUDE
CH	CHANNEL	LB	POUNDS
CI	CAST IRON	LB/SY	POUNDS PER SQUARE YARDS
CIP	CAST IRON PIPE	LBR	LINE ROCK BEARING RATIO
CIRC	CIRCUMFERENCE	LF	LINEAR FEET (FOOT)
CL	CENTERLINE	LGTH	LENGTH
CLEAR	CLEARANCE	LIN	LINEAR
CM	CONCRETE MONUMENT	LM	LUMEN
CMP	CORRUGATED METAL PIPE	LME	LAKE MAINTENANCE EASEMENT
QMPA	CORRUGATED METAL PIPE ARCH	LMRK	LINE ROCK
CO	CLEAN OUT	LOC	LOCATION
COL	COLUMN	LONG	LONGITUDE
COM	COMMERCIAL	LS	LAND SUM OR LANDSCAPE
COMP	COMPOSITE	LSBS	LANDSCAPE BUFFER
CON	CONNECT	LT	LEFT TURN
CONC	CONCRETE	LTD	LIMITED
CONC	CONCRETE	LUM	LUMINAIRE
CONST	CONSTRUCTION	LUX	LUX
CONT	CONTINUATION	MAINT	MAINTENANCE
CONTR	CONTRACT	MATL	MATERIAL
COORD	COORDINATE	MAXUM	MAXIMUM
COR	CORNER	MB	MEDIAN BARRIER
CORR	CORRUGATED	MED	MEDIAN
COVER	COVER	MES	MITERED END SECTION
CPE	CONCRETE PIPE	MF	MANUFACTURER
CPE	CORRUGATED POLYETHYLENE PIPE	MH	MANHOLE
CR	CORRUGATED RADIUS	MHW	MEAN HIGH WATER
CORS	COURSE	MIL	MILE
CSP	CORRUGATED STEEL PIPE	MID	MIDDLE
CTR	CENTER	MIL	ONE-THOUSANDTH OF AN INCH
CY	CUBIC YARD	MIN	MINIMUM
CULV	CULVERT	MISC	MISCELLANEOUS
OWE	CONTROL WATER ELEVATION	MJ	MECHANICAL JOINT
D	DEPTH	MLW	MEAN LOW WATER
DIA	DIAMETER	MOBL	MOBILE
DA	DRAINAGE AREA	MOD	MODIFIED
DBH	DIAMETER AT BREAST HEIGHT	MON	MONUMENT
DB	DITCH BOTTOM INLET	MOT	MAINTENANCE OF TRAFFIC
DBL	DOUBLE	MP	MILE POST
DE	DRAINAGE EASEMENT	MPH	MILES PER HOUR
DECEL	DECELERATION	MSL	MEAN SEA LEVEL
DEG	DEGREE	MTD	MOUNTED
DELIN	DELINATORS	MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL
DEPT	DEPARTMENT	N	NORTH
DET	DETECTABLE	N&C	NAIL AND CAP
DFE	DESIGN FLOOD ELEVATION	N&D	NAIL AND DISK
DNS	DESIGN	N/A	NOT APPLICABLE
DHW	DESIGN HIGH WATER	NABVD	NATIONAL AMERICAN VERTICAL DATUM
DHWE	DESIGN HIGH WATER ELEVATION	NE	NORTHEAST
DHWL	DESIGN HIGH WATER LEVEL	NEMA	NATIONAL ELECTRIC MANUFACTURES ASSOCIATION
DI	DROP INLET	NGVD	NATIONAL GEODETIC VERTICAL DATUM
DIM	DIMENSION	NHW	NORMAL HIGH WATER
DIST	DISTANCE	NIC	NOT IN CONTRACT
DR	DRIVE	NO	NUMBER
DRWY	DRIVEWAY	NOM	NOMINAL
DS	DESIGN SPEED	NORM	NORMAL
DSWT	DRY SEASON WATER TABLE	NTS	NOT TO SCALE
DT	DITCH	NW	NORTHWEST
DW	DRAWING	NWAL	NORMAL WATER LEVEL
E	EAST	OBG	OPTIONAL BASE GROUP
EOP	EDGE OF PAVEMENT	OA	OVERALL
EA	EACH	ON	ON CENTER
EB	EASTBOUND	OD	OUTSIDE DIAMETER
EL	ELEVATION	OE	OVERHEAD ELECTRIC
ELAST	ELASTOMERIC	OH	OVERHEAD
ELEC	ELECTRIC	OPT	OPTIONAL
ELLIP	ELLIPTICAL	OT	OVERHEAD TELEPHONE
EMBED	EMBEDMENT	PAR	PARALLEL
EMBK	EMBANKMENT	PAVMT	PAVEMENT
ENCL	ENCLOSURE	PC	POINT OF CURVATURE
ENGR	ENGINEER	PCBC	PRECAST CONCRETE BOX CULVERT
EQ	EQUAL	PCE	PERMANENT

	32"-18" RCP	32"-18" RCP
DRAINAGE PIPE		
DRAINAGE STRUCTURES		
FINISHED FLOOR ELEVATION	N/A	19.0
ON-SITE STORM STRUCTURE #	N/A	S-1
OFF-SITE STORM STRUCTURE #	N/A	OS-1
SPOT GRADE ELEVATION	110.0	107.4
PARKING SPACE COUNT	16	16
TOP OF BERM		
RUBBLE RIP-RAP		
PAVEMENT		
PAVEMENT TO BE REMOVED		N/A
CONCRETE		
BUILDING/STRUCTURE		
RIGHT-OF-WAY		
CURB		
EASEMENT		
SWALE/DITCH		
TOP OF BANK		
DRAINAGE FLOW ARROWS		
CROSS SECTION	N/A	
SPREADER SWALE		
LANDSCAPE BUFFER	N/A	
LAKE		
SWMA (DRY)		
WETLANDS		
WETLAND IMPACT AREA	N/A	
PROPERTY LINE		
POTABLE WATER LINE	E8"W	8"W
FORCE MAIN	E8"F	8"F
SANITARY SEWER MAIN	E8"SS	8"SS
IRRIGATION WATER MAIN	E8"i	8"i
REUSE WATER MAIN	E8"RU	8"RU
GATE VALVE		
REDUCER		
BLOW-OFF		
AIR RELEASE VALVE		
FIRE HYDRANT ASSEMBLY		
SINGLE WATER SERVICE		
DOUBLE WATER SERVICE		
SINGLE IRRIGATION SERVICE		
DOUBLE IRRIGATION SERVICE		
SINGLE SEWER SERVICE		
DOUBLE SEWER SERVICE		
FIRE DEPARTMENT CONNECTION	N/A	
SANITARY MANHOLE & ID		
LIFT STATION & ID		

RECORD INFORMATION SHOWN [IN BRACKETS]
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PROJECT NOTES AND LEGEND

ND LAKES AT COCO BAY

CHARLOTTE COUNTY, FLORIDA

DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET
----	4031L		TBV	TBV	TRR		3

10481 SIX MILE CYPRESS PARKWAY
FORT MYERS, FL, 33966
PHONE: (239) 278-1177

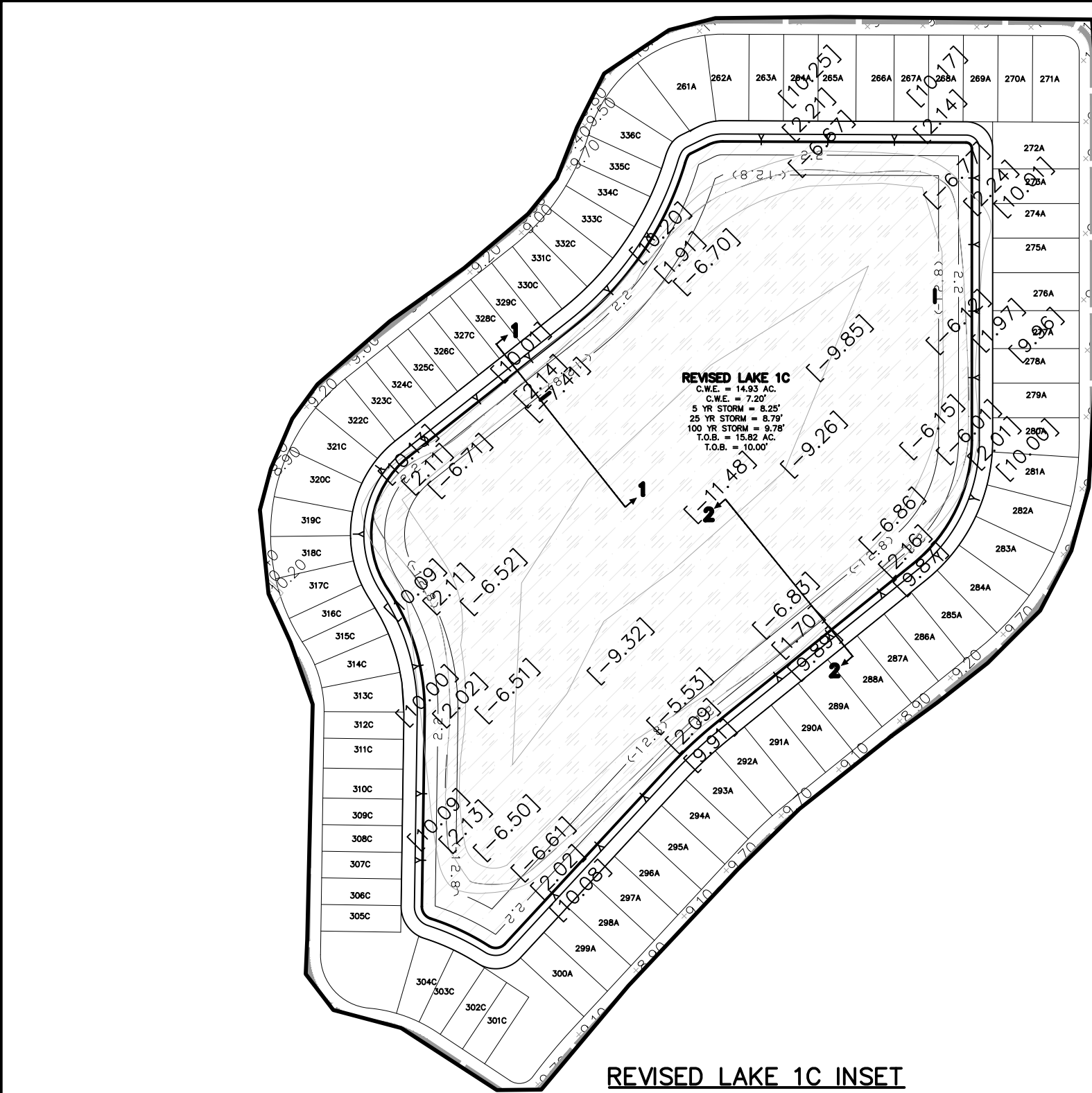
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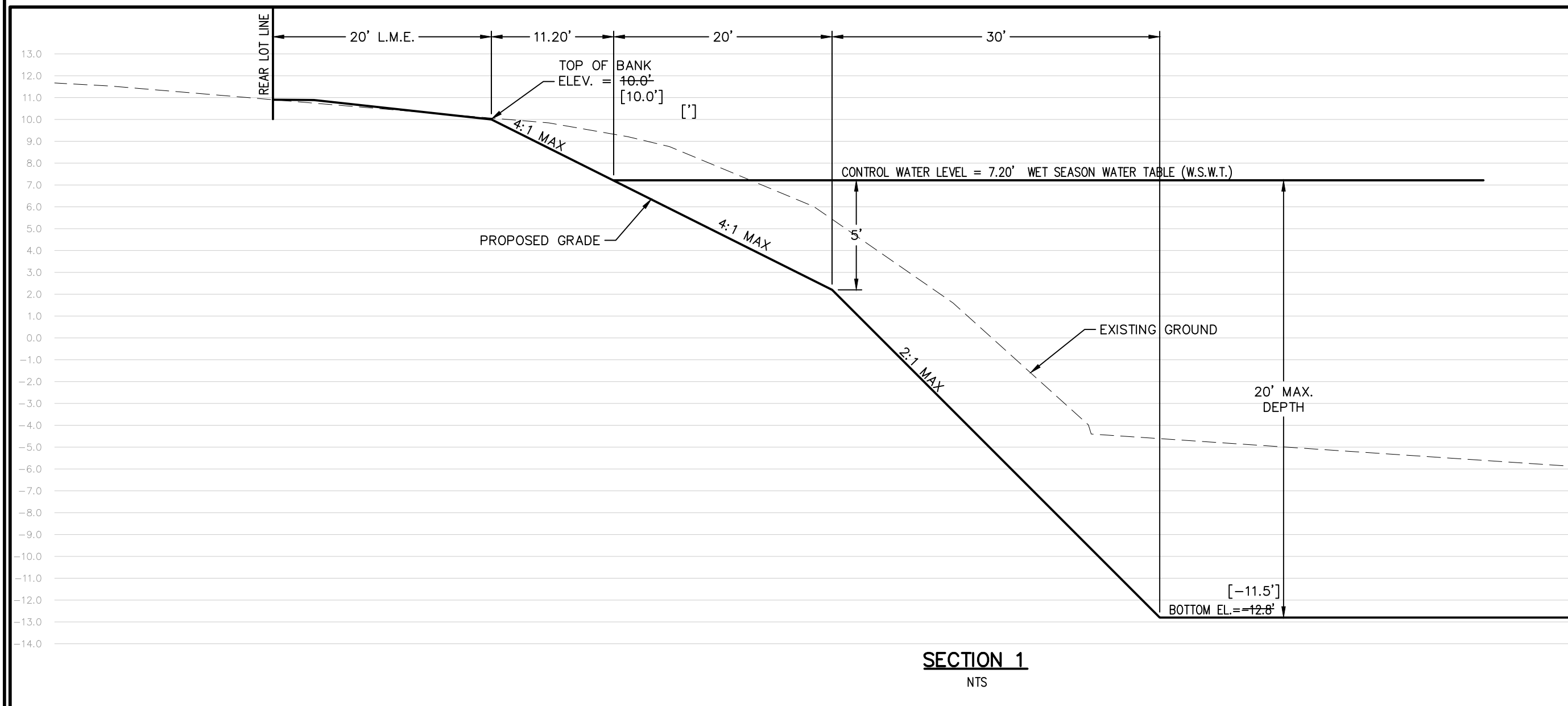
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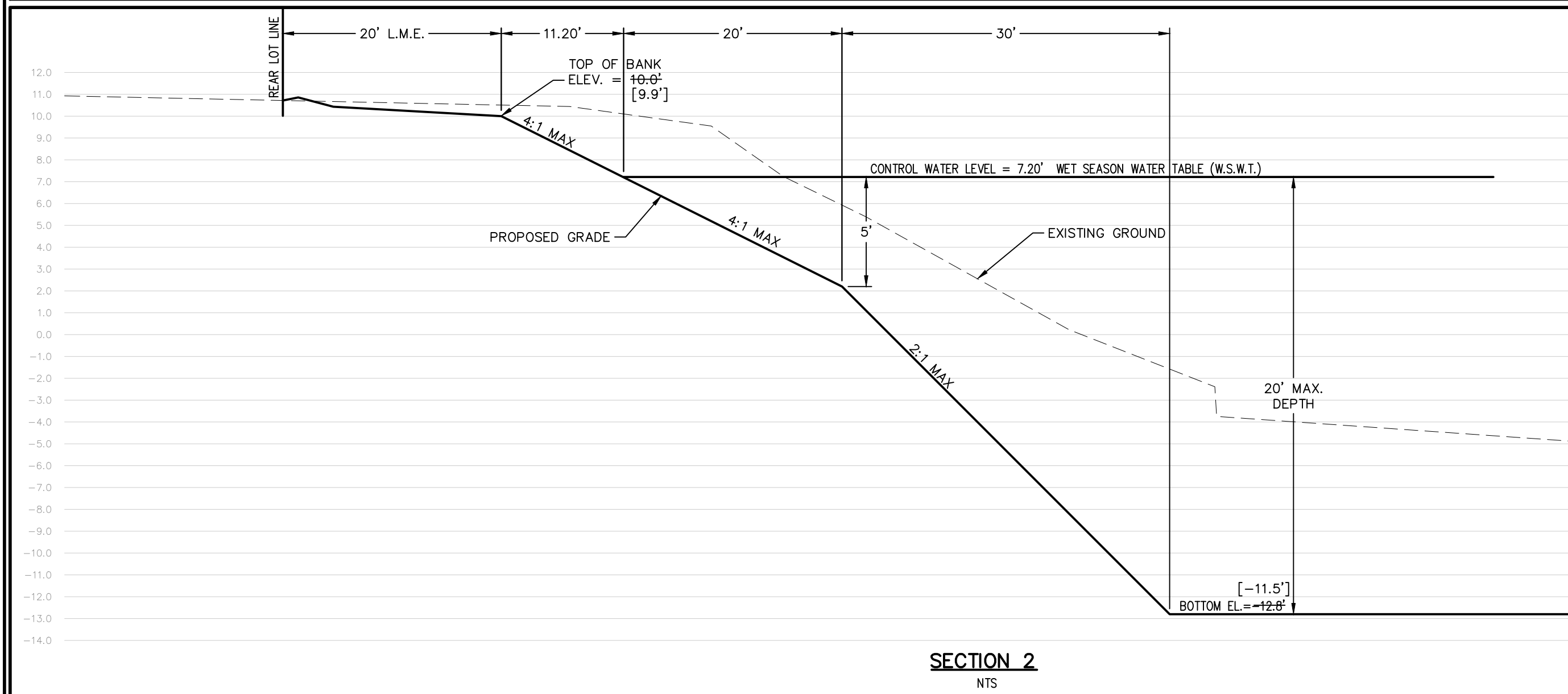
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REVISED LAKE 1C INSET
NTS

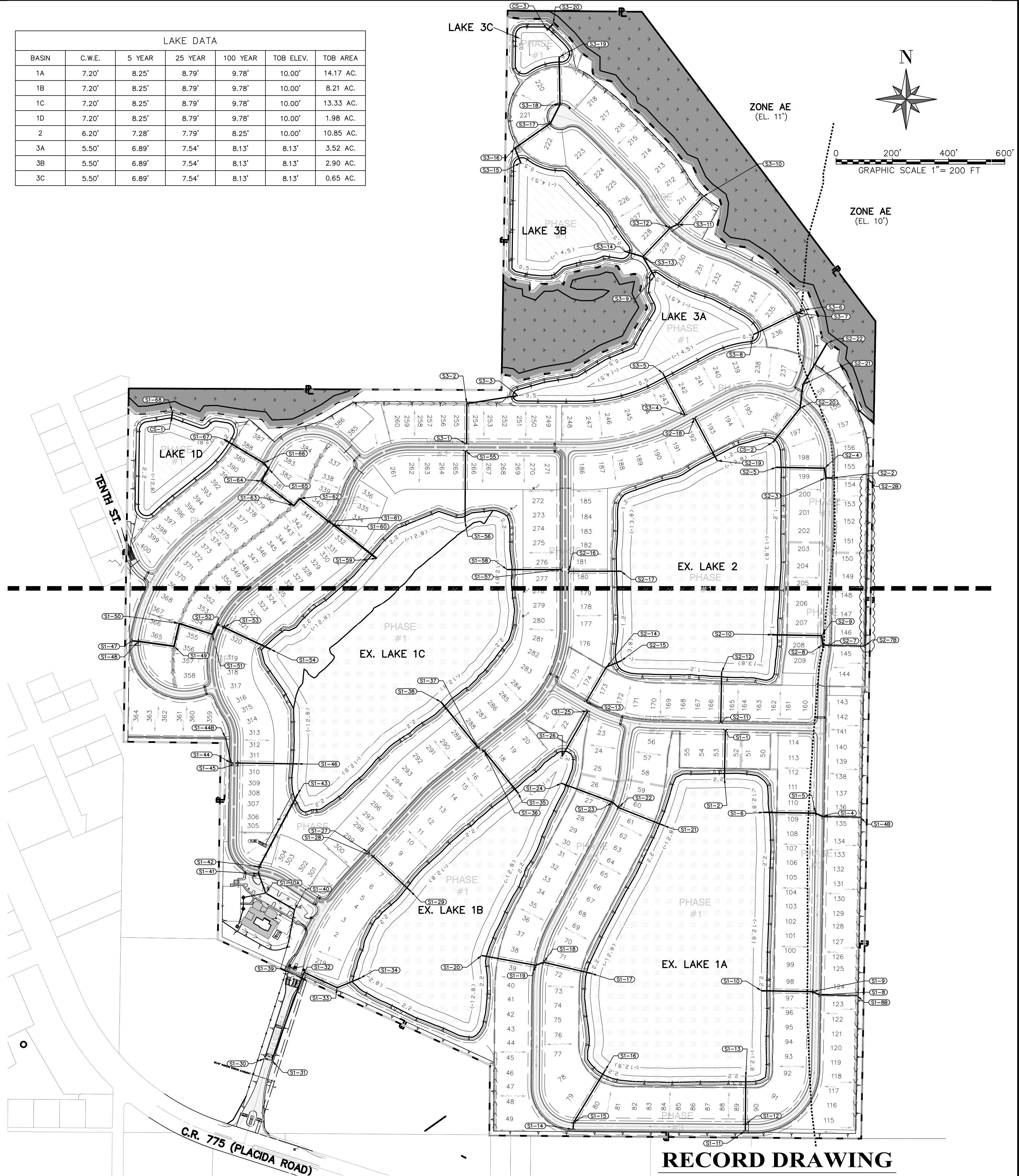


SECTION 1
NTS



SECTION 2
NTS

LAKE DATA						
BASIN	C.W.E.	5 YEAR	25 YEAR	100 YEAR	TOB ELEV.	TOB AREA
1A	7.20'	8.25'	8.79'	9.78'	10.00'	14.17 AC.
1B	7.20'	8.25'	8.79'	9.78'	10.00'	8.21 AC.
1C	7.20'	8.25'	8.79'	9.78'	10.00'	13.33 AC.
1D	7.20'	8.25'	8.79'	9.78'	10.00'	1.98 AC.
2	6.20'	7.28'	7.79'	8.25'	10.00'	10.85 AC.
3A	5.50'	6.89'	7.54'	8.13'	8.13'	3.52 AC.
3B	5.50'	6.89'	7.54'	8.13'	8.13'	2.90 AC.
3C	5.50'	6.89'	7.54'	8.13'	8.13'	0.65 AC.



RECORD DRAWING

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PREPARED FOR:

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FORT MYERS, FL, 33966
PHONE: (239) 278-1177

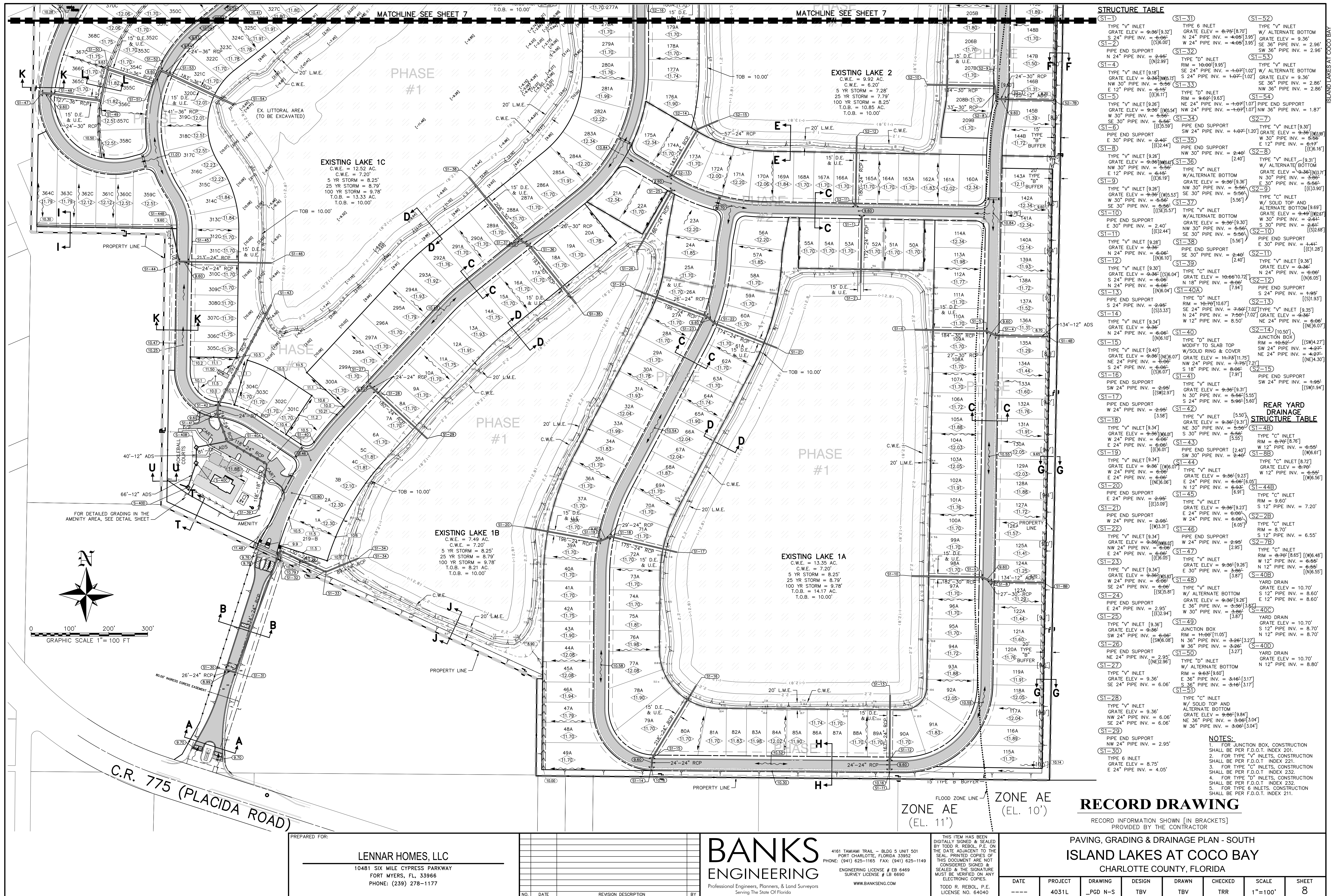
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PAVING, GRADING & DRAINAGE PLAN - OVERALL
ISLAND LAKES AT COCO BAY
CHARLOTTE COUNTY, FLORIDA

DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET
----	4031L	_PHASE	TBV	TBV	TRR	1"=200'	7

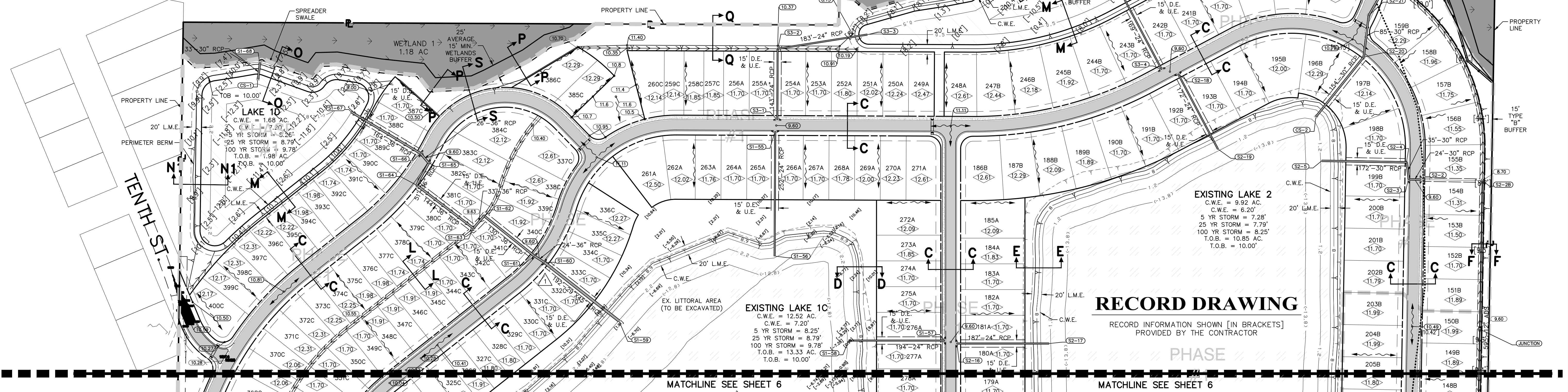


STRUCTURE TABLE

S1-55 TYPE "V" INLET [9.22] GRATE ELEV = 9.36' S 24" PIPE INV. = 6.06' [6.05]	S2-2 TYPE "V" INLET GRATE ELEV = 9.36' [9.26] W 30" PIPE INV. = 6.56' [5.56]	S3-5 PIPE END SUPPORT SE 24" PIPE INV. = 1.26' [1.27]	S3-17 TYPE "V" INLET GRATE ELEV = 9.36' [9.44] NE 30" PIPE INV. = 2.63' [(NE)2.85] SW 30" PIPE INV. = 3.16' [(SW)2.67]
S1-56 PIPE END SUPPORT N 24" PIPE INV. = 2.96' [2.95]	S2-3 TYPE "V" INLET W/ ALTERNATE BOTTOM GRATE ELEV = 9.36' [9.36] N 30" PIPE INV. = 3.06' [3.86] E 30" PIPE INV. = 5.56' [5.56]	S3-6 TYPE "V" INLET [9.38] GRATE ELEV = 9.36' SW 24" PIPE INV. = 6.06' [(SW)6.03]	S3-18 TYPE "V" INLET [9.37] GRATE ELEV = 9.36' N 30" PIPE INV. = 3.16' [(N)3.28] SW 30" PIPE INV. = 2.63' [(SW)2.67]
S1-57 TYPE "V" INLET [9.26] GRATE ELEV = 9.36' W 24" PIPE INV. = 6.06' [6.20]	S2-4 TYPE "C" INLET W/ SOLID TOP AND ALTERNATE BOTTOM GRATE ELEV = 9.54' [9.50] W 30" PIPE INV. = 3.56' [3.51] S 30" PIPE INV. = 3.56' [3.51]	S3-8 PIPE END SUPPORT NE 24" PIPE INV. = 1.26' [(NE)1.26]	S3-19 PIPE END SUPPORT S 30" PIPE INV. = 0.74' [(S)0.71]
S1-58 PIPE END SUPPORT E 24" PIPE INV. = 2.96' [2.95]	S2-5 PIPE END SUPPORT NW 29"x45" PIPE INV. = 1.87' [1.87]	S3-9 PIPE END SUPPORT NW 30" PIPE INV. = 0.74' [(NW)0.73]	S3-20 TYPE "D" INLET [6.18] GRATE ELEV = 6.46' SW 30" PIPE INV. = 2.06' [(SW)2.02]
S1-59 PIPE END SUPPORT NW 29"x45" PIPE INV. = 1.87' [1.87]	S2-16 TYPE "V" INLET GRATE ELEV = 9.36' [9.26] E 24" PIPE INV. = 6.06' [6.15]	S3-10 TYPE "D" INLET GRATE ELEV = 6.04' [8.89] SW 24" PIPE INV. = 6.06' [(SW)6.81]	CS-1 TYPE "D" INLET (SEE DETAIL ON SHEET 7)
S1-60 TYPE "V" INLET W/ ALTERNATE BOTTOM GRATE ELEV = 9.36' [9.21] NW 29"x45" PIPE INV. = 3.36' [3.35] SE 36" PIPE INV. = 3.36' [3.35]	S2-17 PIPE END SUPPORT W 24" PIPE INV. = 1.95' [1.95]	S3-11 TYPE "V" INLET [9.35] GRATE ELEV = 9.36' [(SW)6.15] SW 24" PIPE INV. = 6.06' [(NE)6.15]	CS-2 TYPE "D" INLET (SEE DETAIL ON SHEET 7)
S1-61 TYPE "V" INLET W/ ALTERNATE BOTTOM GRATE ELEV = 9.36' [9.21] NW 36" PIPE INV. = 3.36' [3.36] SE 36" PIPE INV. = 3.36' [3.36]	S2-18 TYPE "V" INLET GRATE ELEV = 9.36' [9.36] SE 36" PIPE INV. = 3.36' [6.05]	S3-12 TYPE "V" INLET [9.35] GRATE ELEV = 9.36' [(SW)6.15] SW 24" PIPE INV. = 6.06' [(NE)6.15]	CS-3 TYPE "D" INLET (SEE DETAIL ON SHEET 7)
S1-62 JUNCTION BOX (F-TOP) (OFFSET/NO CASTIN R&C) GRATE ELEV = 10.00' [9.86] SW 36" PIPE INV. = 3.36' [3.36] SE 36" PIPE INV. = 3.36' [3.36]	S2-19 PIPE END SUPPORT NW 24" PIPE INV. = 4.96' [1.95]	S3-13 JUNCTION BOX RIM = 11.00' [10.16] W 30" PIPE INV. = 6.74' [(W)0.68] SE 30" PIPE INV. = 6.74' [(SE)0.70] N 24" PIPE INV. = 2.66' [2.58]	REAR YARD DRAINAGE STRUCTURE TABLE
S1-63 TYPE "D" INLET W/ ALTERNATE BOTTOM RIM = 3.55' [9.63] NW 36" PIPE INV. = 3.36' [3.36] NE 36" PIPE INV. = 3.36' [3.36]	S2-20 JUNCTION BOX RIM = 10.44' [10.64] SW 30" PIPE INV. = 2.66' [2.58] N 24" PIPE INV. = 2.66' [2.58]	S3-14 PIPE END SUPPORT E 30" PIPE INV. = 0.74' [(NE)1.17]	S1-4B TYPE "C" INLET RIM = 6.70' W 12" PIPE INV. = 6.55'
S1-64 TYPE "C" INLET W/ SOLID TOP AND ALTERNATE BOTTOM GRATE ELEV = 9.00' [9.80] NE 36" PIPE INV. = 3.36' [3.35] SE 36" PIPE INV. = 3.36' [3.35]	S2-21 JUNCTION BOX RIM = 10.20' [10.26] S 30" PIPE INV. = 2.56' [2.50] NE 30" PIPE INV. = 2.56' [2.50]	S3-15 PIPE END SUPPORT N 30" PIPE INV. = 0.74' [(N)0.57]	S1-8B TYPE "C" INLET GRATE ELEV = 8.70' W 12" PIPE INV. = 6.55'
S1-65 TYPE "V" INLET W/ ALTERNATE BOTTOM GRATE ELEV = 9.36' [9.21] NW 36" PIPE INV. = 3.36' [3.36] SW 36" PIPE INV. = 3.36' [3.36]	S2-22 TYPE "D" INLET GRATE ELEV = 6.66' [6.64] SW 30" PIPE INV. = 2.46' [2.40]	S3-16 JUNCTION BOX RIM = 9.96' NE 30" PIPE INV. = 3.16' S 30" PIPE INV. = 3.16'	S1-44B TYPE "C" INLET RIM = 9.60' S 12" PIPE INV. = 7.20'
S1-66 TYPE "V" INLET W/ ALTERNATE BOTTOM GRATE ELEV = 9.36' [9.26] NW 36" PIPE INV. = 3.36' [3.35] SE 36" PIPE INV. = 3.36' [3.35]	S3-1 TYPE "V" INLET GRATE ELEV = 9.36' [9.21] N 24" PIPE INV. = 6.06' [6.06]	S3-2 TYPE "C" INLET W/ U.S. FOUNDRY 5645 GRATE GRATE ELEV = 9.75' [9.71] E 24" PIPE INV. = 4.80' [4.78] S 24" PIPE INV. = 4.80' [4.78]	S2-2B TYPE "C" INLET RIM = 8.70' W 12" PIPE INV. = 6.55'
S1-67 PIPE END SUPPORT SE 36" PIPE INV. = 4.80' [1.87]	S3-3 PIPE END SUPPORT W 24" PIPE INV. = 1.25' [1.25]	S3-4 TYPE "V" INLET GRATE ELEV = 9.36' [9.36] NW 24" PIPE INV. = 6.06' [6.05]	JUNCTION YARD DRAIN JUNCTION GRATE ELEV = 9.60' N 12" PIPE INV. = 6.55' S 12" PIPE INV. = 6.55'
S1-68 TYPE "D" INLET GRATE ELEV = 7.14' [7.01] S 30" PIPE INV. = 3.06' [2.98]			

NOTES:

1. FOR JUNCTION BOX, CONSTRUCTION SHALL BE PER F.D.O.T. INDEX 201.
2. FOR TYPE "V" INLETS, CONSTRUCTION SHALL BE PER F.D.O.T. INDEX 221.
3. FOR TYPE "C" INLETS, CONSTRUCTION SHALL BE PER F.D.O.T. INDEX 232.
4. FOR TYPE "D" INLETS, CONSTRUCTION SHALL BE PER F.D.O.T. INDEX 232.



PREPARED FOR:

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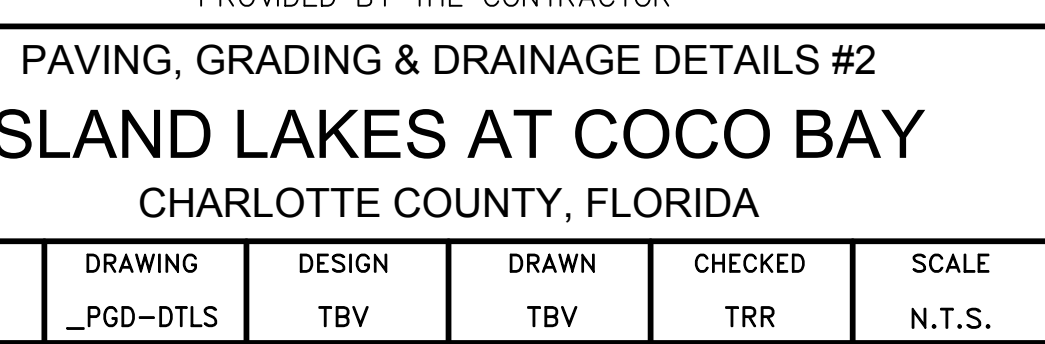
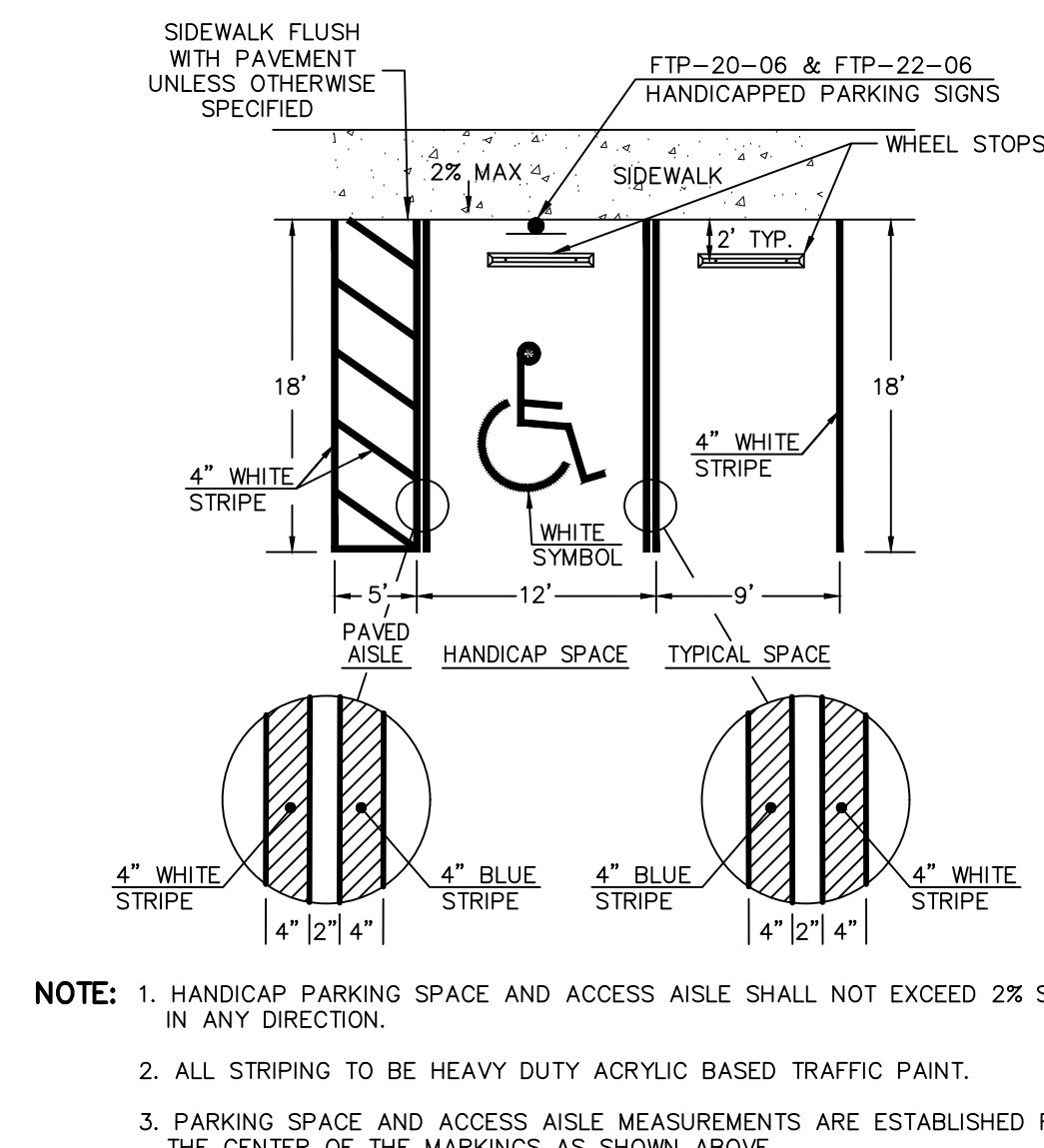
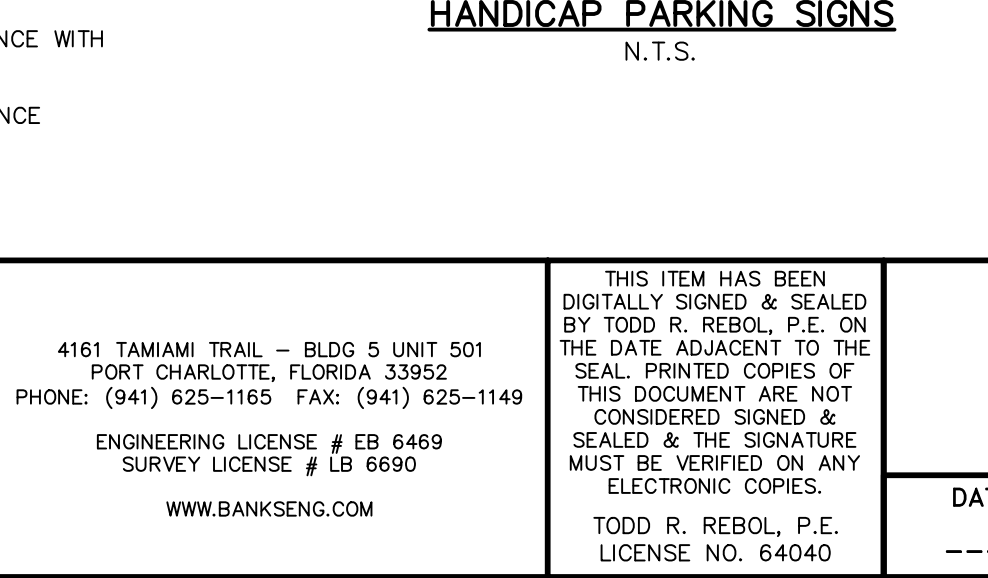
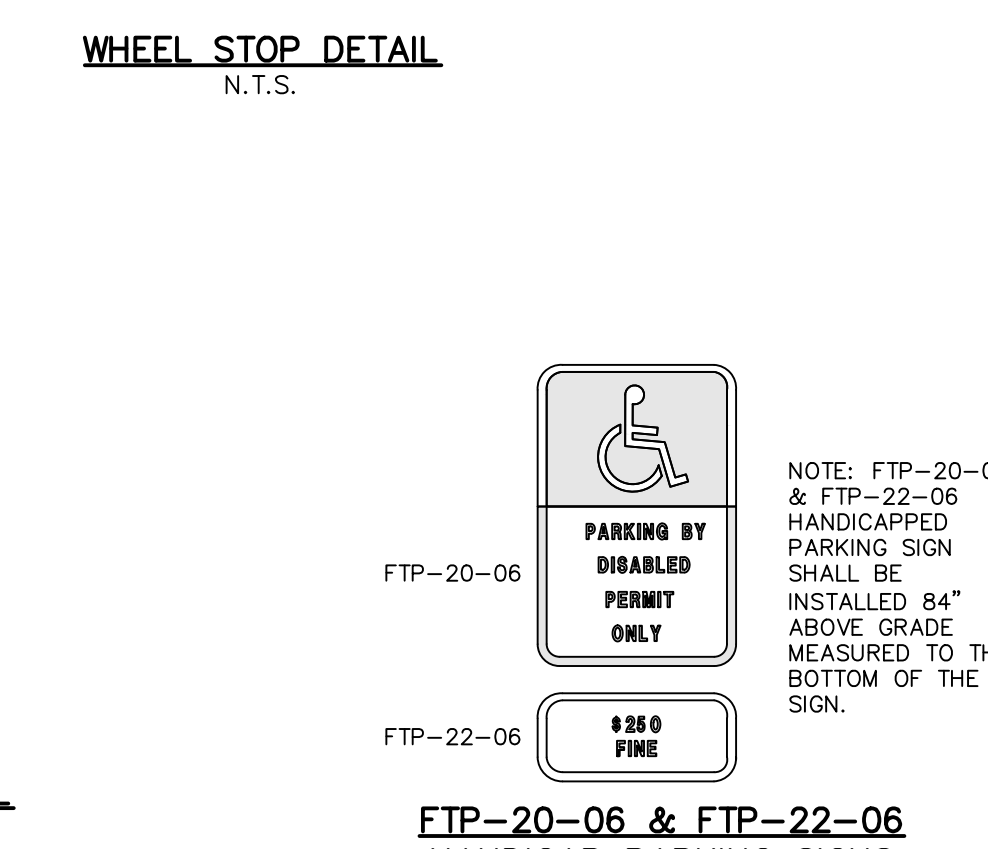
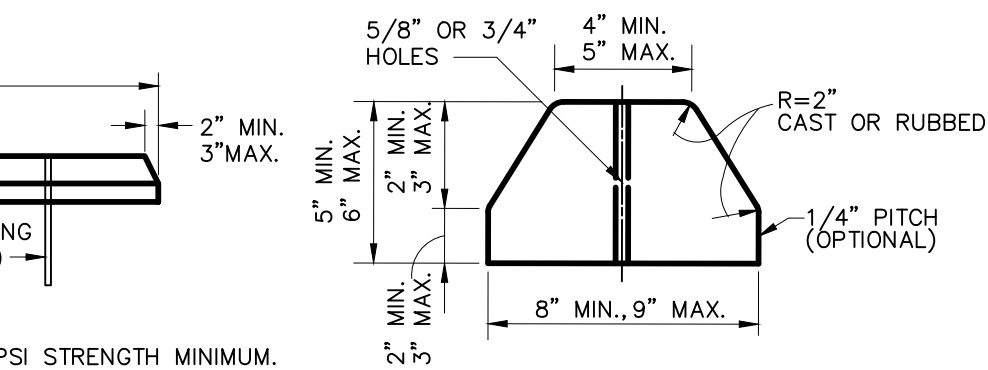
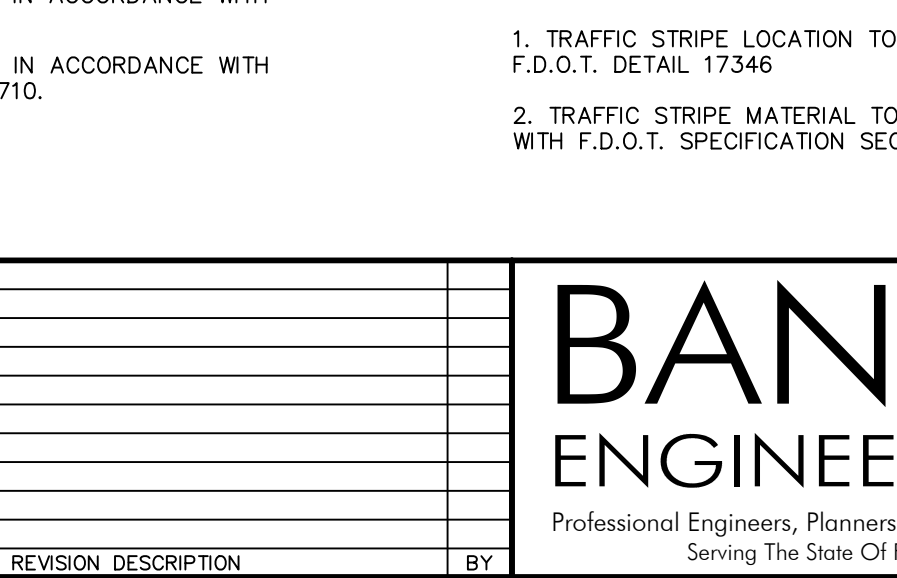
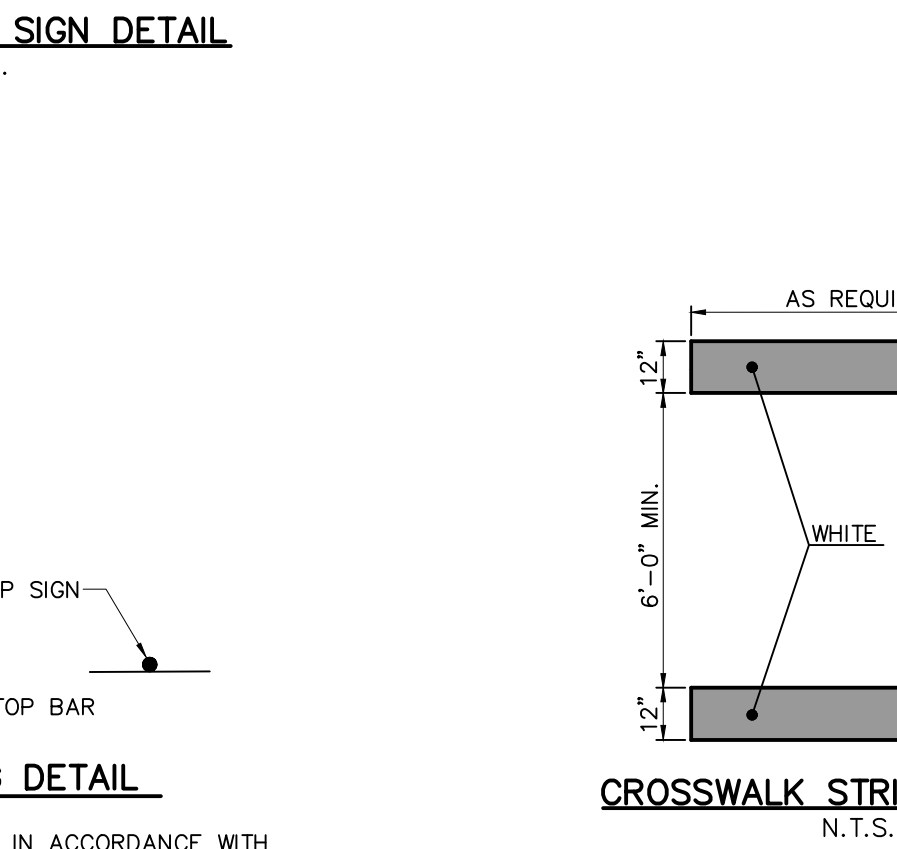
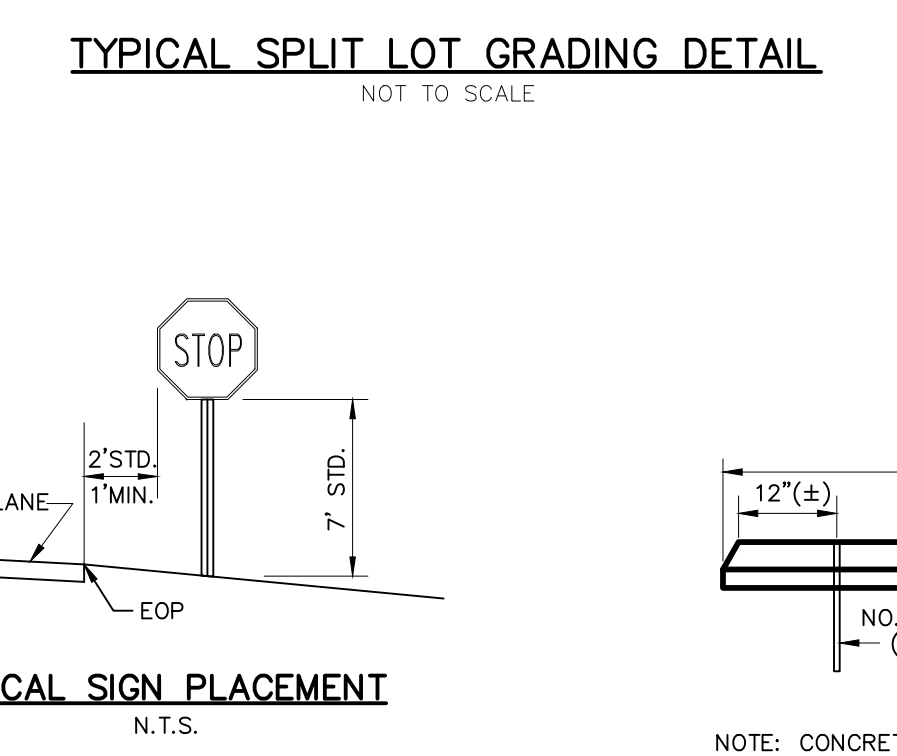
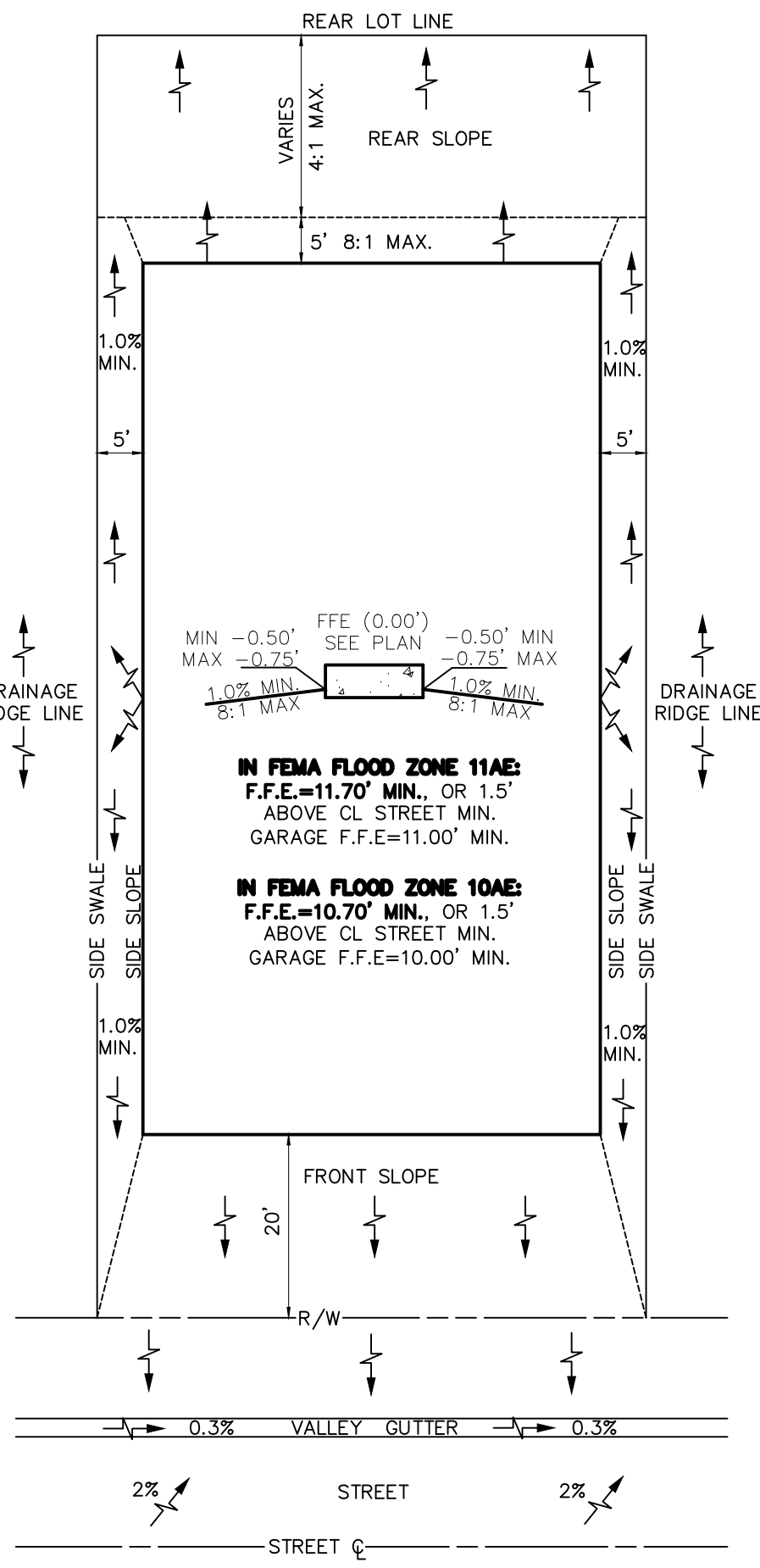
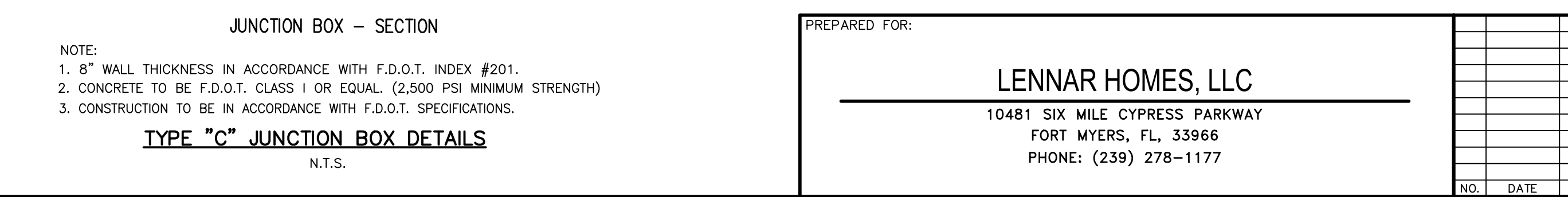
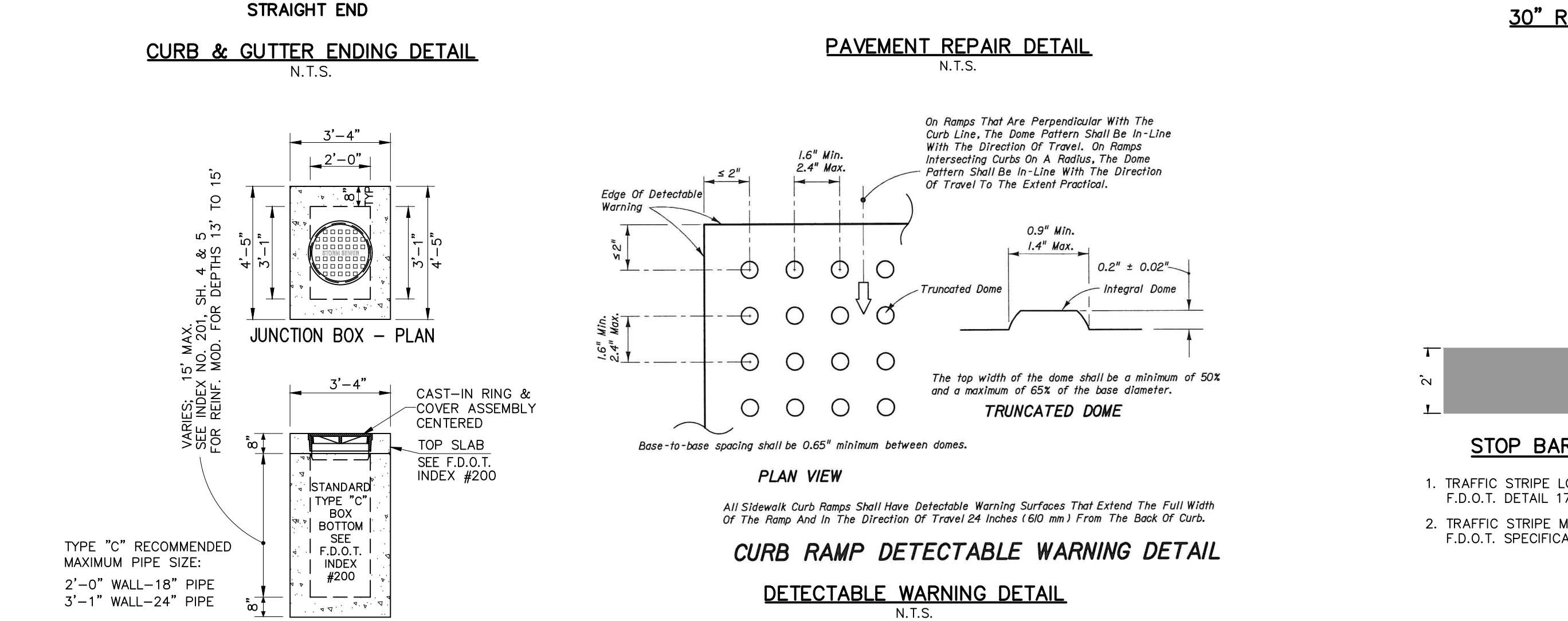
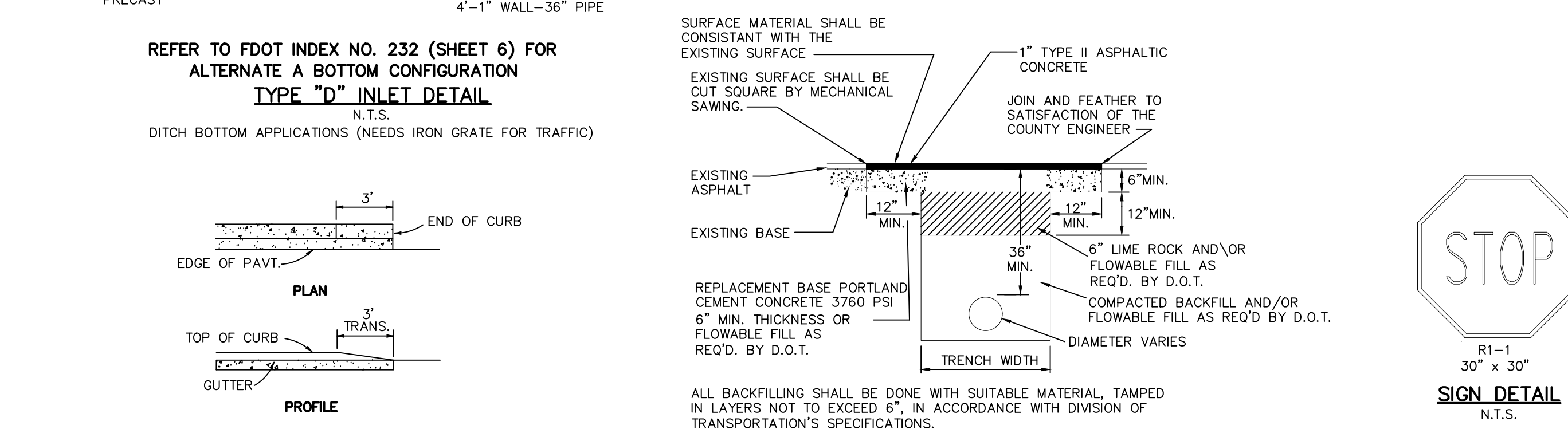
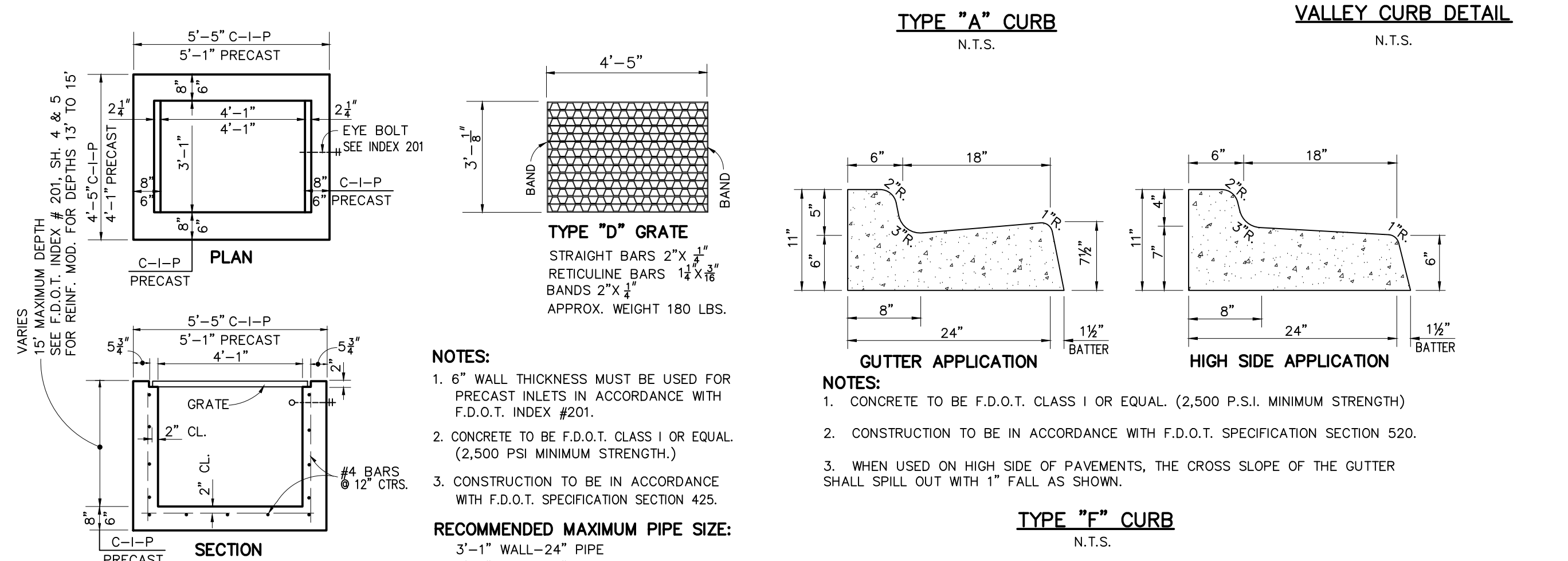
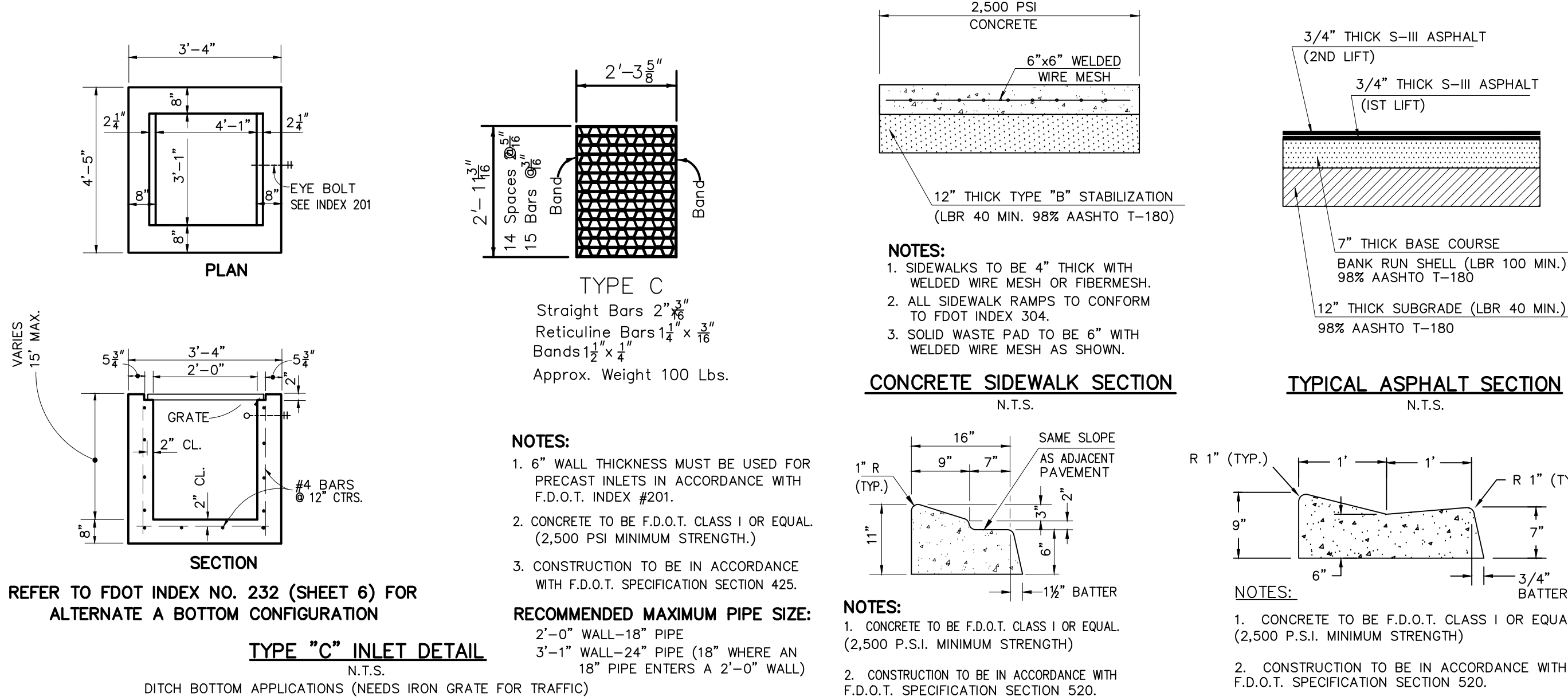
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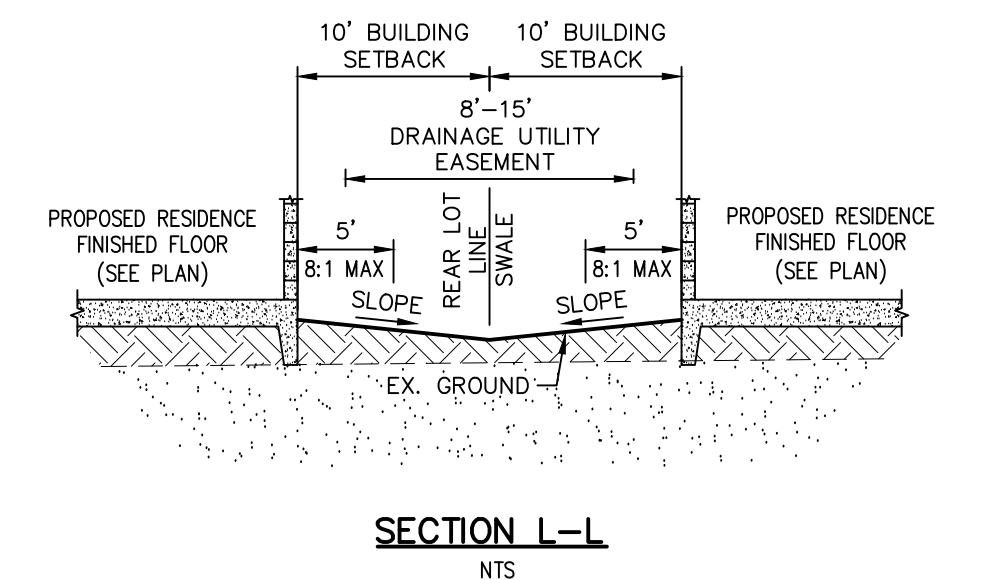
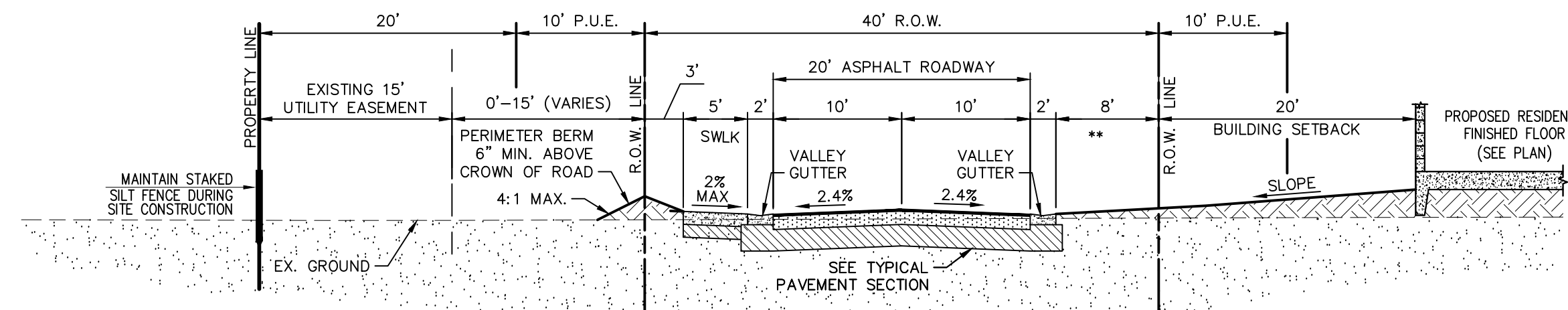
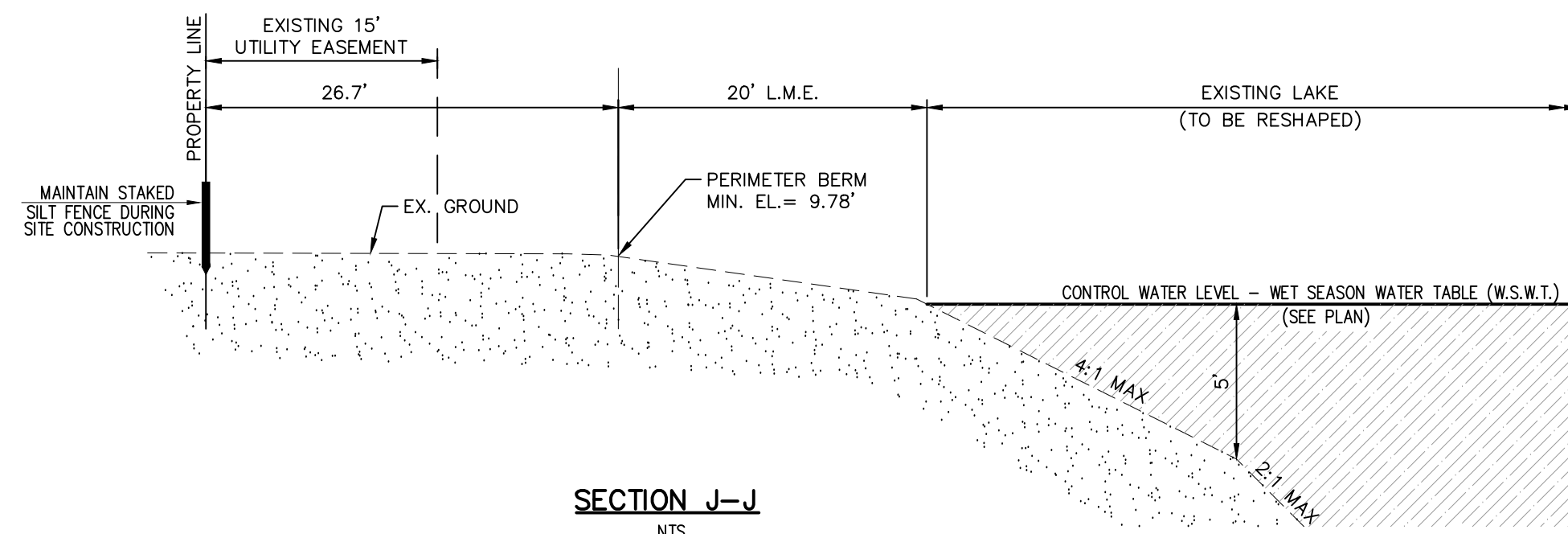
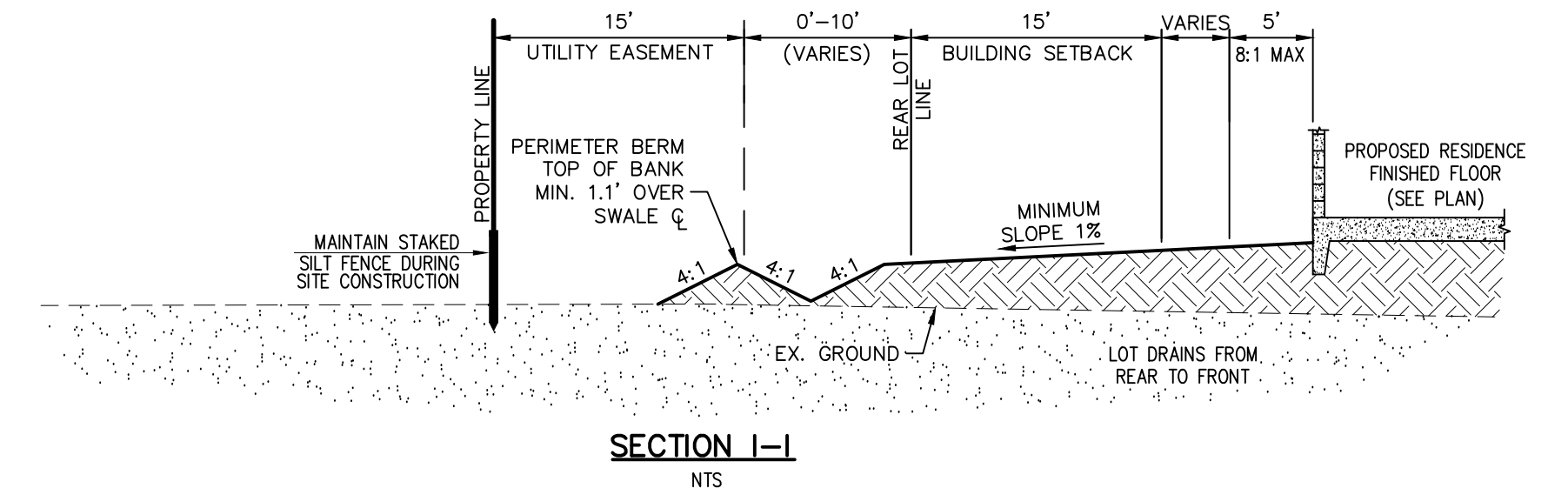
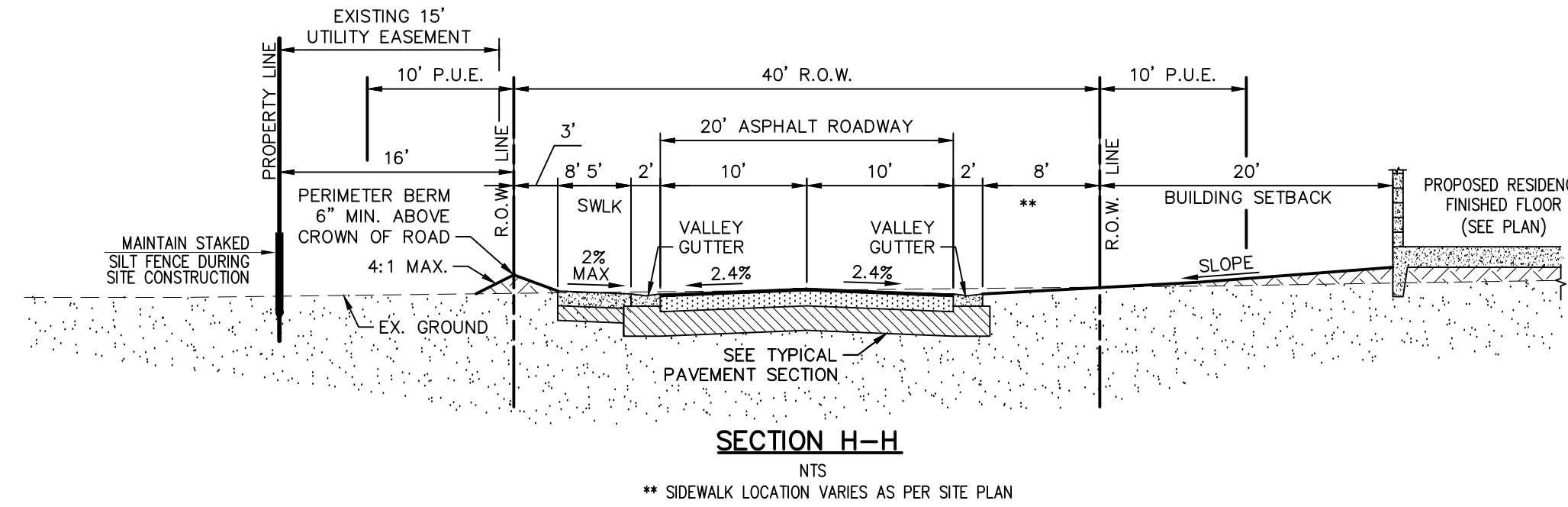
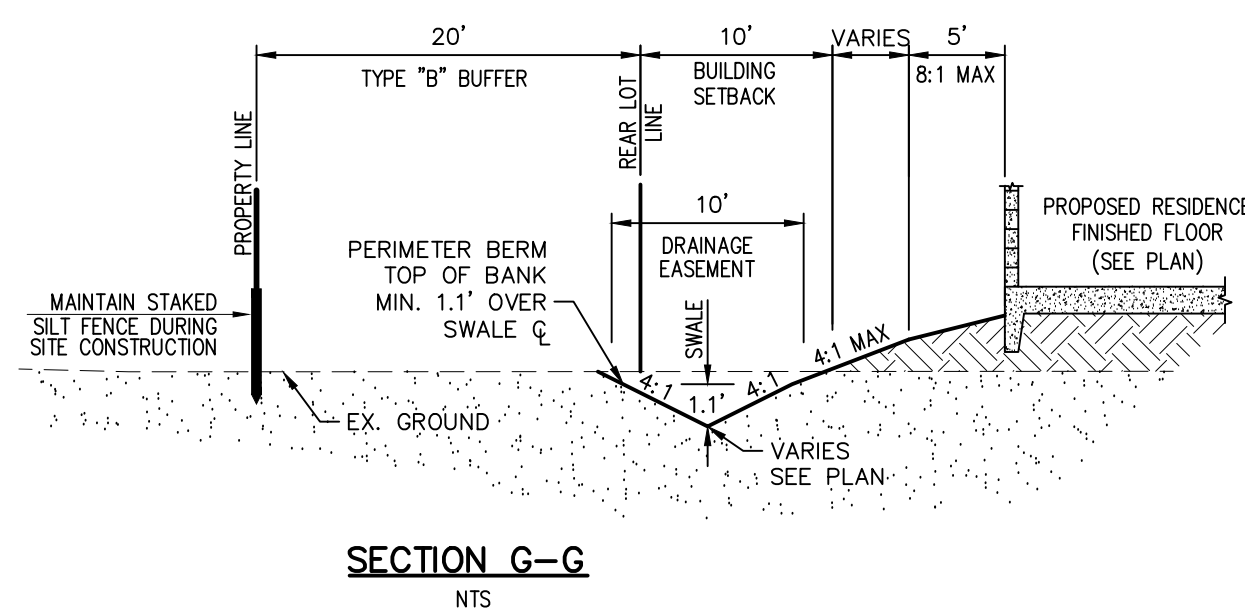
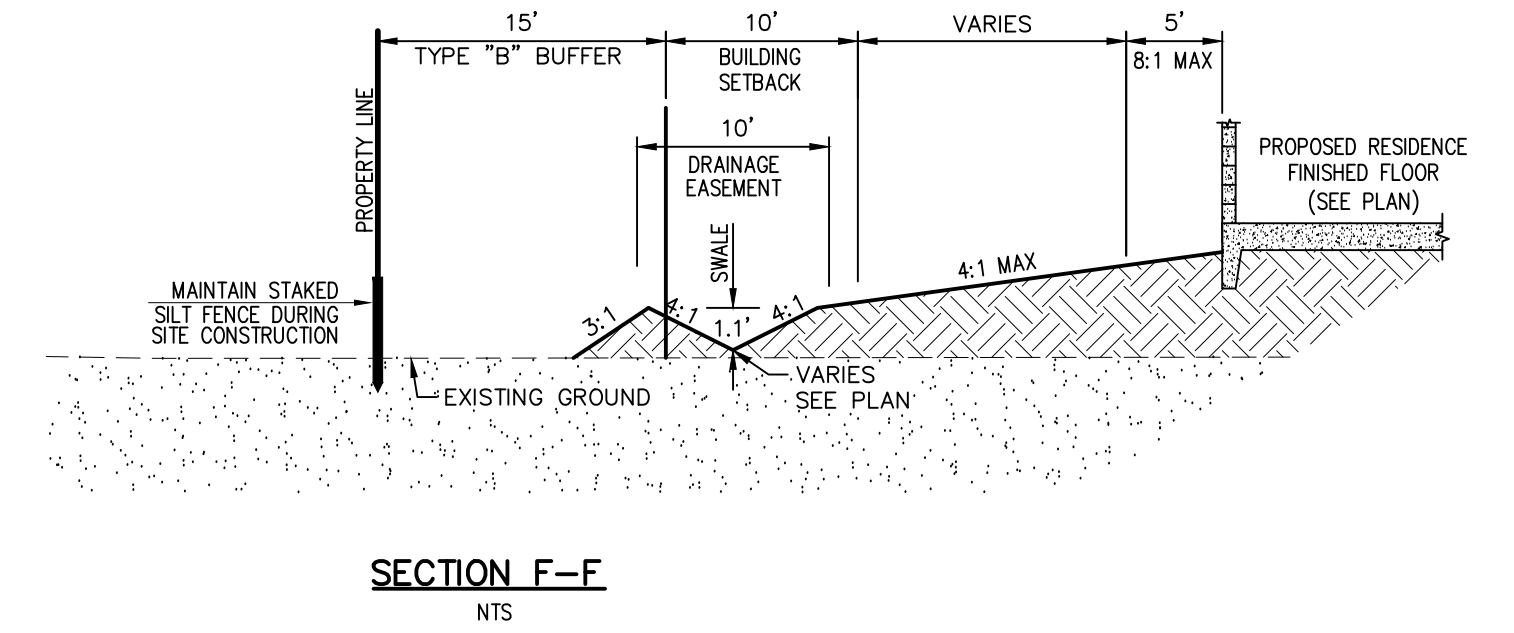
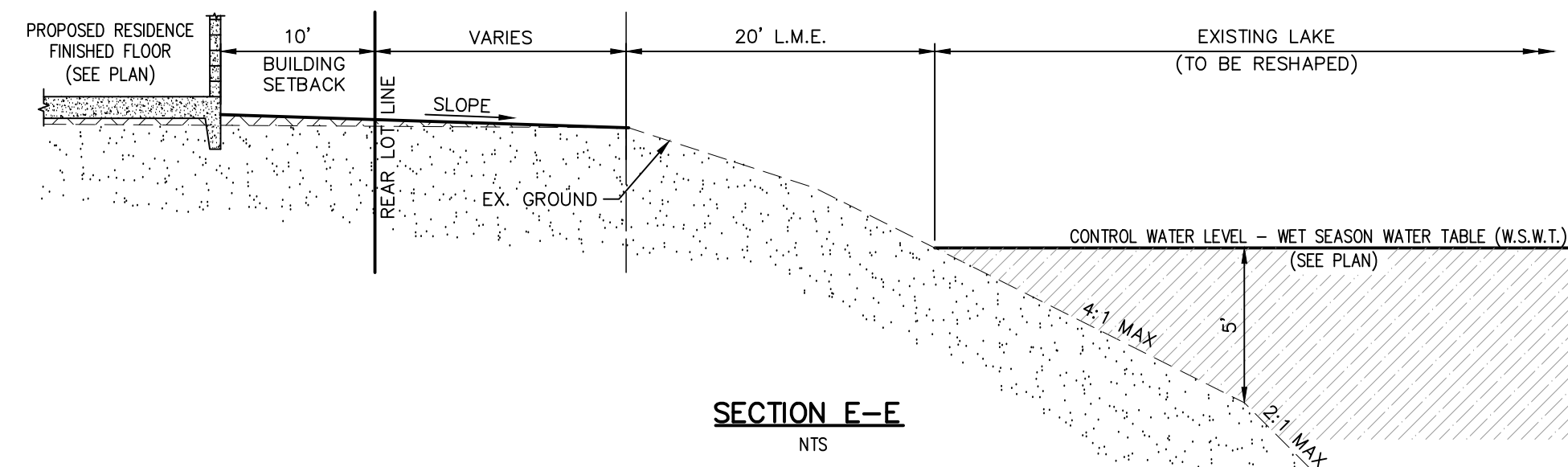
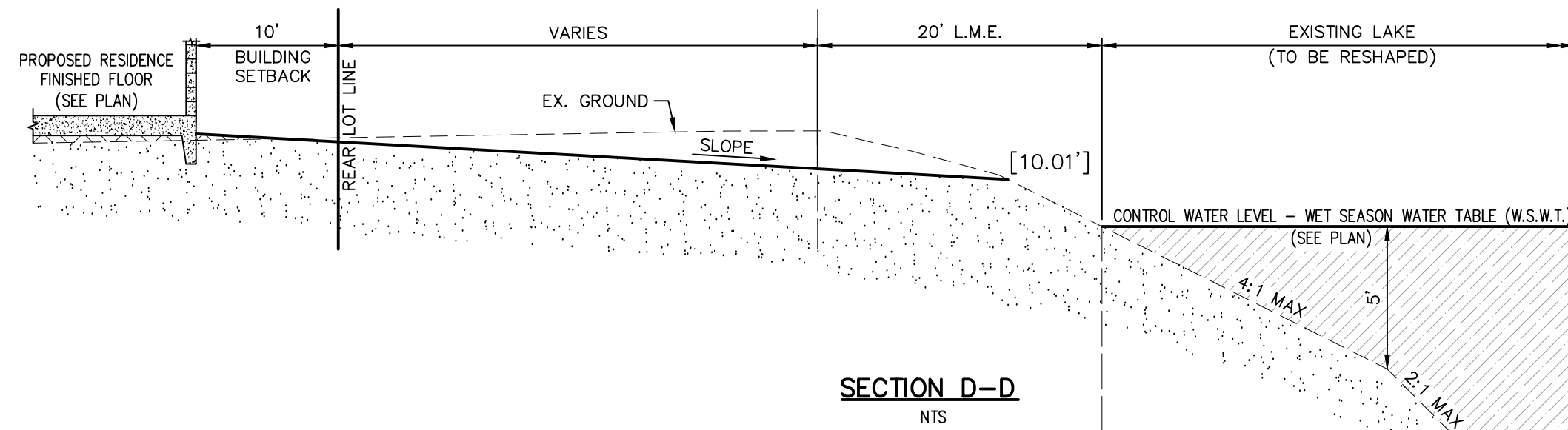
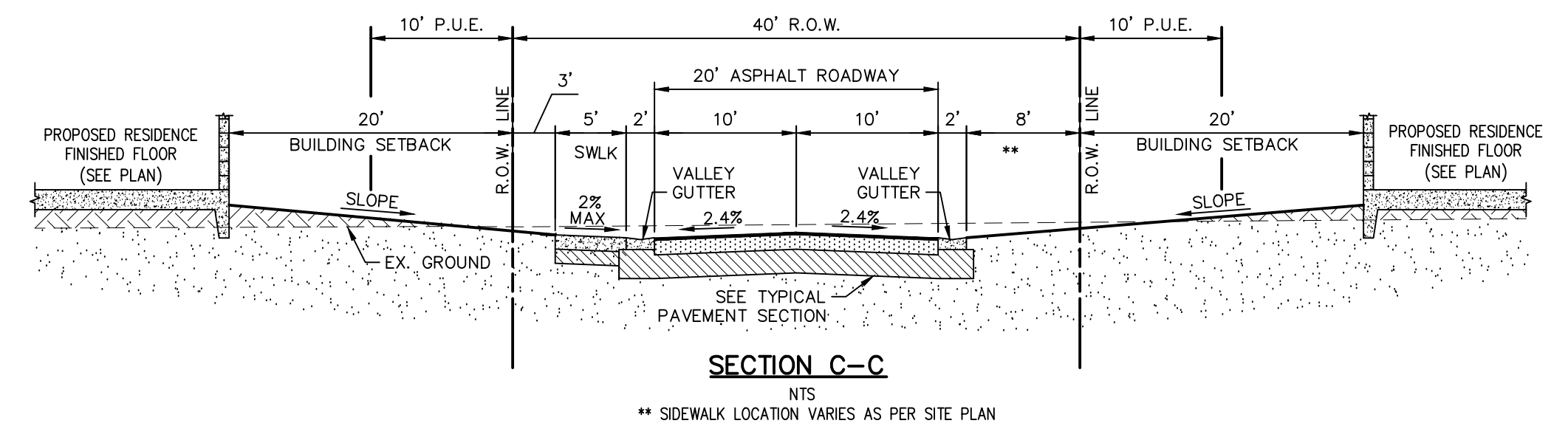
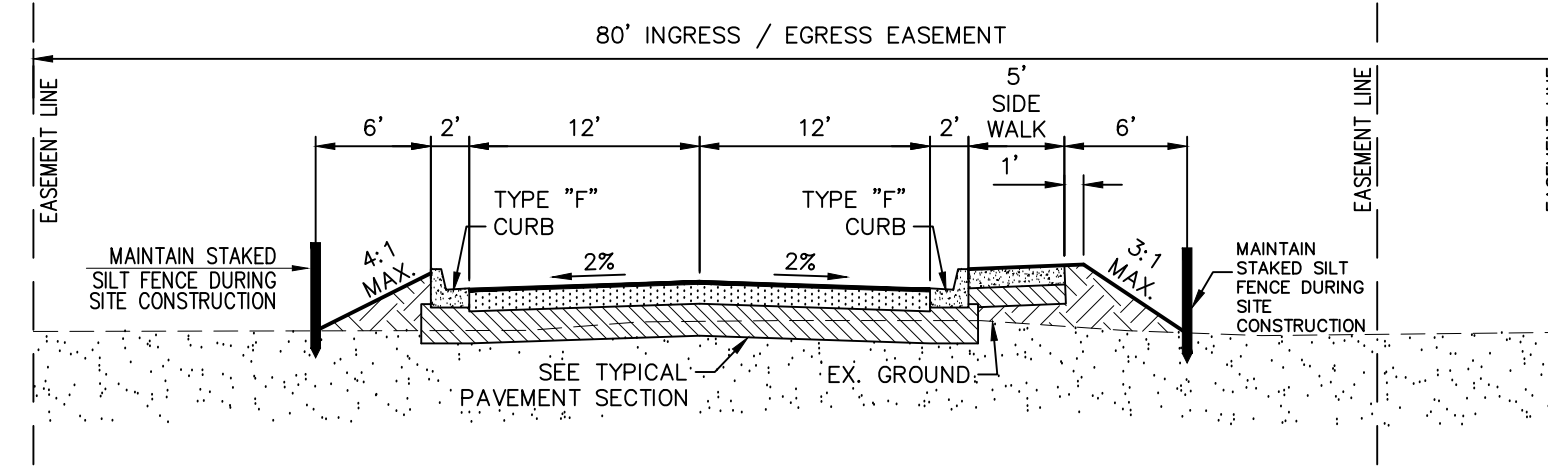
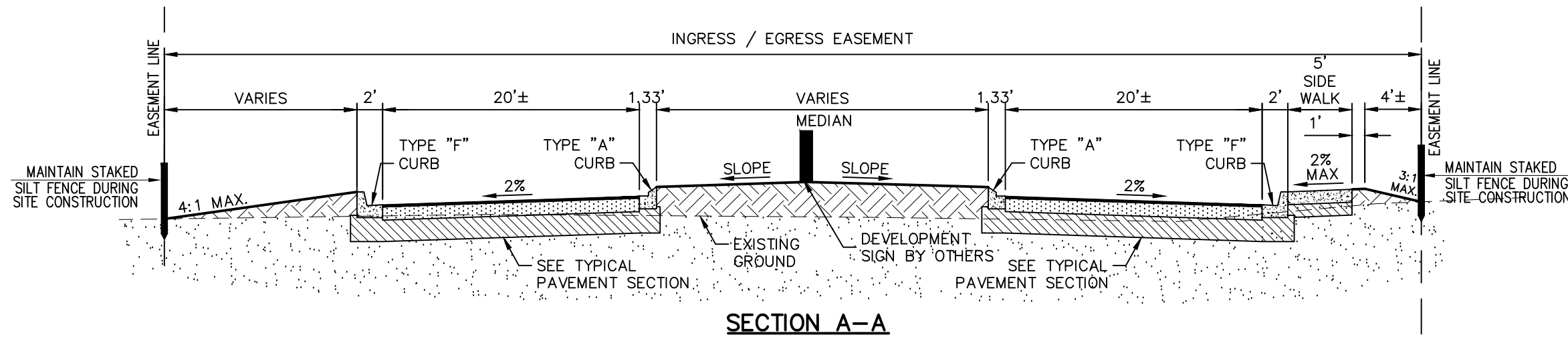
THIS ITEM HAS BEEN
DIGITALLY SIGNED & SEALED
BY TODD R. REBOL, P.E. ON
THE DATE ADJACENT TO THE
SEAL. PRINTED COPIES OF
THIS DOCUMENT ARE NOT
CONSIDERED SIGNED &
SEALED & THE SIGNATURE
MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.
TODD R. REBOL, P.E.
LICENSE NO. 64040

PAVING, GRADING & DRAINAGE PLAN - NORTH
ISLAND LAKES AT COCO BAY
CHARLOTTE COUNTY, FLORIDA

DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET
----	4031L	_PGD N-S	TBV	TBV	TRR	1"=100'	9

S:\JAMES\4031\4031\WORKING\RECORD DRAWINGS\PLAN\4031-PG0-DTLING 3/7/2025 12:03 PM 1020 WVA





RECORD DRAWING

RECORD INFORMATION SHOWN [IN BRACKETS]
PROVIDED BY THE CONTRACTOR

TYPICAL SECTIONS #1
ISLAND LAKES AT COCO BAY
CHARLOTTE COUNTY, FLORIDA

DATE	PROJECT	DRAWING	DESIGN	DRAWN	CHECKED	SCALE	SHEET
----	4031L	_SEC	TBV	TBV	TRR	N.T.S.	13

PREPARED FOR:
LENNAR HOMES, LLC
10481 SIX MILE CYPRESS PARKWAY
FORT MYERS, FL, 33966
PHONE: (239) 278-1177

BANKS
ENGINEERING
Professional Engineers, Planners, & Land Surveyors
Serving The State Of Florida

4161 TAMAMI TRAIL - BLDG 5 UNIT 501
PORT CHARLOTTE, FLORIDA 33952
PHONE: (941) 625-1165 FAX: (941) 625-1149
ENGINEERING LICENSE # EB 6469
SURVEY LICENSE # LB 6690
WWW.BANKSENG.COM

THIS ITEM HAS BEEN
DIGITALLY SIGNED & SEALED
BY TODD R. REBOL, P.E. ON
THE DATE ADJACENT TO THE
SEAL. PRINTED COPIES OF
THIS DOCUMENT ARE NOT
CONSIDERED SIGNED &
SEALED & THE SIGNATURE
MUST BE VERIFIED ON ANY
ELECTRONIC COPIES.
TODD R. REBOL, P.E.
LICENSE NO. 64040

Attachment 5
Notifications of Completion of Construction for a
Domestic Wastewater Collection/Transmission System

From: no-reply@dep.state.fl.us
To: [Davis Johanson](mailto:Davis.Johanson)
Cc: SD_newapps@floridadep.gov; Scott.edwards@lennar.com; kledford@ewdfi.com; kledford@ewdfi.com; [Michael Giardullo](mailto:Michael.Giardullo)
Subject: Wastewater Notification Received - Facility ID: FLA014126
Date: Wednesday, October 18, 2023 3:01:25 PM
Attachments: [ATT00001.bin](#)



FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Receipt for Notification Submission

October 18, 2023

Davis Johanson

ENGLEWOOD WATER DISTRICT WRF - FLA014126
140 TELMAN RD
PLACIDA, FL

This is to acknowledge that your Notification of Completion of Construction for a Domestic Wastewater Collection/Transmission System was received on **October 18, 2023**.

The form and supporting information fulfills the requirements to notify DEP the domestic wastewater collection/transmission system described below has been constructed in accordance with the associated DEP Permit Number and related plans and materials.

DEP may contact you for additional information. If you indicated substantial deviations and you do not hear from your district office, your project may be placed into service 10 days from the date of this letter. If you did NOT indicate substantial deviations and you do not hear from your district office, your project may be placed into service 3 days from the date of this letter.

This Clearance Notification Process does not relieve you from the responsibility of obtaining other permits or authorizations from other agencies (federal, state, city, etc.) that may be required for the project.

In support of your notification you provided the following information:

Construction Permit Number:	043770-177-DWC/CM
Project Name:	Island Lakes Estates Vacuum Sewer
Project Location:	4275 Placida Rd, Englewood, FL 34224
Permittee:	Scott Edwards, Lennar Homes LLC
Collection System Owner:	Englewood Water District
Treatment Facility:	ENGLEWOOD WATER DISTRICT WRF - FLA014126
Clearance Type:	Partial Clearance
Submitter Indicated Substantial Deviations?:	No
Substantial Deviations (when applicable):	

Attachments:

File Description: Sewer Pressure Test

File Name: Vacuum Main Pressure Test Results.pdf

File Hash: b17cc611575f474a30b686e5c215a2a049753007c39974e502521b502655b14c

Attachments:

File Description: Notification of Comp

File Name: Island Lake Estates FDEP Certification Sewer.pdf

File Hash: a9358cfacfe89fca9877ab17b8bc8afc7941125cb0810c9337c5c0989a57e955

All files related to your facility may be viewed at our Departmental Information Portal:

<https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/FLA014126/facility!search>

Please allow up to three (3) business days for the above documents to appear.

Staff will notify you of any additional information that may be required to complete your notification.

The Office for your project is:

South District

SD_newapps@floridadep.gov

Please contact this Office for any questions regarding your project.



From: no-reply@dep.state.fl.us
To: [Davis Johanson](#)
Cc: SD_newapps@floridadep.gov; Scott.edwards@lennar.com; kledford@ewdfi.com; kledford@ewdfi.com; [Michael Giardullo](#); [Davis Johanson](#)
Subject: Wastewater Notification Received - Facility ID: FLA014126
Date: Tuesday, July 9, 2024 2:46:54 PM
Attachments: [ATT00001.bin](#)



FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Shawn Hamilton
Secretary

Receipt for Notification Submission

July 09, 2024

Davis Johanson

ENGLEWOOD WATER DISTRICT WRF - FLA014126
140 TELMAN RD
PLACIDA, FL

This is to acknowledge that your Notification of Completion of Construction for a Domestic Wastewater Collection/Transmission System was received on **July 09, 2024**.

The form and supporting information fulfills the requirements to notify DEP the domestic wastewater collection/transmission system described below has been constructed in accordance with the associated DEP Permit Number and related plans and materials.

DEP may contact you for additional information. If you indicated substantial deviations and you do not hear from your district office, your project may be placed into service 10 days from the date of this letter. If you did NOT indicate substantial deviations and you do not hear from your district office, your project may be placed into service 3 days from the date of this letter.

This Clearance Notification Process does not relieve you from the responsibility of obtaining other permits or authorizations from other agencies (federal, state, city, etc.) that may be required for the project.

In support of your notification you provided the following information:

Construction Permit Number:	043770-177-DWC/CM
Project Name:	Island Lakes Estates Vacuum Sewer
Project Location:	4275 Placida Rd, Englewood, FL 34224
Permittee:	Scott Edwards, Lennar Homes LLC
Collection System Owner:	Englewood Water District
Treatment Facility:	ENGLEWOOD WATER DISTRICT WRF - FLA014126
Clearance Type:	Partial Clearance
Submitter Indicated Substantial Deviations?:	No
Substantial Deviations (when applicable):	

Attachments:

File Description: Permit

File Name: CocoBay_FDEPSewerPermit.pdf

File Hash: 5bc68b3d9939cfc505cb5c5ed0510b03439f6d71205e2789c44434e1f93ece51

Attachments:

File Description: Record Drawings

File Name: Coco Bay Utility Record Drawing Phase 2.pdf

File Hash: 6031131c1cabaf806b1518c43b6f80bfadae6a88596f48d7ad535a7b448186cc

Attachments:

File Description: Sewer Pressure Test

File Name: VAC MAIN PRESSURE TEST.pdf

File Hash: 755336119e4f64f0ca0d408d4b79e397ed636f49ecdeec6c5c8f2675cdfbd9db

Attachments:

File Description: Notification of Comp

File Name: Phase 2 SEWER Certification Application.pdf

File Hash: 5847f5ecae794f8617030993d751ae3cfcc85bdd19fde2e9161a075924216c11

All files related to your facility may be viewed at our Departmental Information Portal:

<https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/FLA014126/facility!search>

Please allow up to three (3) business days for the above documents to appear.

Staff will notify you of any additional information that may be required to complete your notification.

The Office for your project is:

South District

SD_newapps@floridadep.gov

Please contact this Office for any questions regarding your project.



From: no-reply@dep.state.fl.us
To: [Davis Johanson](#)
Cc: SD_newapps@floridadep.gov; Scott.edwards@lennar.com; kledford@ewdfi.com; kledford@ewdfi.com; [Michael Giardullo](#); [Davis Johanson](#)
Subject: Wastewater Notification Received - Facility ID: FLA014126
Date: Wednesday, January 15, 2025 10:39:24 AM
Attachments: [ATT00001.bin](#)



FLORIDA DEPARTMENT OF Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Ron DeSantis
Governor

Jeanette Nuñez
Lt. Governor

Alexis A. Lambert
Secretary

Receipt for Notification Submission

January 15, 2025

Davis Johanson

ENGLEWOOD WATER DISTRICT WRF - FLA014126
140 TELMAN RD
PLACIDA, FL

This is to acknowledge that your Notification of Completion of Construction for a Domestic Wastewater Collection/Transmission System was received on **January 15, 2025**.

The form and supporting information fulfills the requirements to notify DEP the domestic wastewater collection/transmission system described below has been constructed in accordance with the associated DEP Permit Number and related plans and materials.

DEP may contact you for additional information. If you indicated substantial deviations and you do not hear from your district office, your project may be placed into service 10 days from the date of this letter. If you did NOT indicate substantial deviations and you do not hear from your district office, your project may be placed into service 3 days from the date of this letter.

This Clearance Notification Process does not relieve you from the responsibility of obtaining other permits or authorizations from other agencies (federal, state, city, etc.) that may be required for the project.

In support of your notification you provided the following information:

Construction Permit Number:	043770-177-DWC/CM
Project Name:	Island Lakes Estates Vacuum Sewer
Project Location:	4275 Placida Rd, Englewood, FL 34224
Permittee:	Scott Edwards, Lennar Homes LLC
Collection System Owner:	Englewood Water District
Treatment Facility:	ENGLEWOOD WATER DISTRICT WRF - FLA014126
Clearance Type:	Final Clearance
Submitter Indicated Substantial Deviations?:	No
Substantial Deviations (when applicable):	

Attachments:

File Description: Sewer Pressure Test

File Name: Coco Bay Phase 3 Vacuum Main Pressure Test.pdf

File Hash: f52b7bbc8f80b67338ef2cc7e8208a3a53a4c373585f8ebefb1b9513b161c131

Attachments:

File Description: Record Drawings

File Name: Coco Bay Phase 3 Utility Record Drawings.pdf

File Hash: e29d9aa5293534c483fc1246f96c5b0f993328ab9b097c25b20171b7e512ece0

Attachments:

File Description: Sewer Cert App

File Name: Coco Bay Phase 3 FDEP Sewer Certification App.pdf

File Hash: 280192ca7be9614edb59f9043e20f940dfea4618b9553749f052d3b8c8cc1131

Attachments:

File Description: FDEP Sewer Permit

File Name: Coco Bay FDEP Sewer Permit No043770-177-DWC-CM.pdf

File Hash: 5bc68b3d9939cfc505cb5c5ed0510b03439f6d71205e2789c44434e1f93ece51

All files related to your facility may be viewed at our Departmental Information Portal:

<https://prodenv.dep.state.fl.us/DepNexus/public/electronic-documents/FLA014126/facility!search>

Please allow up to three (3) business days for the above documents to appear.

Staff will notify you of any additional information that may be required to complete your notification.

The Office for your project is:

South District

SD_newapps@floridadep.gov

Please contact this Office for any questions regarding your project.



Attachment 6
Partial and Final Letters of Release for Installed Public
Water System Components

Mission:

To protect, promote and improve the health of all people in Florida through integrated state, county and community efforts.



Ron DeSantis
Governor

Joseph A. Ladapo, MD, PhD
State Surgeon General

Vision: To be the **Healthiest State** in the Nation

October 31, 2023

Lennar Homes, LLC.
Attn: Scott Edwards
10481 Six Mile Cypress Pkwy.
Fort Myers, FL 33966

RE: Island Lakes Estates Phase 1
Partial Certification #1
Permit #: 0128133-145-DSGP
PWS: Englewood Water District (6580531)

Dear Mr. Edwards:

This acknowledges receipt of a certified request for a partial letter of release for installed public water system components and associated appurtenances as noted in certificate of completion and per certified record drawings as part of Island Lakes Estates Phase 1 project in Englewood Water District Utilities service area.

Your engineer of record has certified that the subject facilities have been completed in accordance with the approved plans and specifications. These facilities were cleared bacteriologically in accordance with Rule 62-555.345 Florida Administrative Code. Bacteriological samples and pressure testing results are acceptable and meet DOH and DEP requirements. There are no deviations from the permitted plans.

Changes in applicable laws and regulations with affect to operating procedures and/or quality standards must be complied with. Based on this information, we are issuing this letter of release to place into service the installed public water system components to provide potable water and fire protection service for Island Lakes Estates Phase 1.

Please contact me at 941-228-7344 if you have additional questions.

Sincerely,

Paul B. Penumudi, P.E.
OFFICE OF ENVIRONMENTAL HEALTH

PBP: J:/EH/PWS

cc: Englewood Water District, Attn: Keith Ledford, Jr., P.E.
The Weiler Engineering Corp., Attn: Michael Giardullo, P.E.

Florida Department of Health
in Sarasota County • Office of Environmental Health
1001 Sarasota Center Boulevard • Sarasota, FL 34240
PHONE: 941/861-6133 • FAX: 941/526-1535
FloridaHealth.gov



Accredited Health Department
Public Health Accreditation Board

Mission:

To protect, promote and improve the health of all people in Florida through integrated state, county and community efforts.



Ron DeSantis
Governor

Joseph A. Ladapo, MD, PhD
State Surgeon General

Vision: To be the Healthiest State in the Nation

July 12, 2024

Lennar Homes, LLC.
Attn: Scott Edwards
10481 Six Mile Cypress Pkwy.
Fort Myers, FL 33966

RE: Island Lake Estates (Phase 2 of 3)
Partial Certification; Permit #: 0128133-145-DSGP
PWS: Englewood Water District (6580531)

Dear Mr. Edwards:

This acknowledges receipt of a certified request for a partial letter of release for installed public water system components and associated appurtenances as noted in certificate of completion and per certified record drawings as part of Island Lake Estates (Phase 2 of 3) project in Englewood Water District Utilities service area.

Your engineer of record has certified that the subject facilities have been completed in accordance with the approved plans and specifications. These facilities were cleared bacteriologically in accordance with Rule 62-555.345 Florida Administrative Code. Bacteriological samples and pressure testing results are acceptable and meet DOH and DEP requirements. There are no deviations from the permitted plans.

Changes in applicable laws and regulations with affect to operating procedures and/or quality standards must be complied with. In addition, we wish to call your attention to the requirements that no sanitary hazards, regardless of how slight, shall be placed within 100 feet of public water supply well and under certain circumstances, this distance can be increased.

Based on this information, we are issuing this letter of release to place into service the installed public water system components to provide potable water and fire protection service for Island Lake Estates (Phase 2 of 3) distribution system portion.

Please contact me at 941-228-7344 if you have additional questions.

Sincerely,

Paul B. Penumudi, P.E.
OFFICE OF ENVIRONMENTAL HEALTH

PBP: J:/EH/PWS

cc: Englewood Water District, Attn: Keith Ledford, Jr., P.E.
Weiler Engineering Corporation Attn: Michael J. Giardullo, P.E.

Florida Department of Health
in Sarasota County • Office of Environmental Health
1001 Sarasota Center Boulevard • Sarasota, FL 34240
PHONE: 941/861-6133 • FAX: 941/526-1535
FloridaHealth.gov



Accredited Health Department
Public Health Accreditation Board

Mission:

To protect, promote and improve the health of all people in Florida through integrated state, county and community efforts.



Ron DeSantis
Governor

Joseph A. Ladapo, MD, PhD
State Surgeon General

Vision: To be the **Healthiest State** in the Nation

January 22, 2025

Lennar Homes, LLC.
Attn: Scott Edwards
10481 Six Mile Cypress Pkwy.
Fort Myers, FL 33966

RE: Island Lake Estates (Phase 3 of 3)
Final Certification; Permit #: 0128133-145-DSGP
PWS: Englewood Water District (6580531)

Dear Mr. Edwards:

This acknowledges receipt of a certified request for a final letter of release for installed public water system components and associated appurtenances as noted in certificate of completion and per certified record drawings as part of Island Lake Estates (Phase 3 of 3) project in Englewood Water District Utilities service area.

Your engineer of record has certified that the subject facilities have been completed in accordance with the approved plans and specifications. These facilities were cleared bacteriologically in accordance with Rule 62-555.345 Florida Administrative Code. Bacteriological samples and pressure testing results are acceptable and meet DOH and DEP requirements. There are no deviations from the permitted plans.

Changes in applicable laws and regulations with affect to operating procedures and/or quality standards must be complied with. In addition, we wish to call your attention to the requirements that no sanitary hazards, regardless of how slight, shall be placed within 100 feet of public water supply well and under certain circumstances, this distance can be increased.

Based on this information, we are issuing this letter of release to place into service the installed public water system components to provide potable water and fire protection service for Island Lake Estates (Phase 3 of 3) distribution system portion.

Please contact me at 941-228-7344 if you have additional questions.

Sincerely,

Paul B. Penumudi, P.E.
OFFICE OF ENVIRONMENTAL HEALTH

PBP: J:/EH/PWS

cc: Englewood Water District, Attn: Keith Ledford, Jr., P.E.
Weiler Engineering Corporation, Attn: Michael J. Giardullo, P.E.

Florida Department of Health
in Sarasota County • Office of Environmental Health
1001 Sarasota Center Boulevard • Sarasota, FL 34240
PHONE: 941/861-6133 • FAX: 941/526-1535
FloridaHealth.gov



Accredited Health Department
Public Health Accreditation Board

Attachment 7
As-Built Certification and Request for Conversion to
Operation Phase

As-Built Certification And Request for Conversion to Operation Phase

Instructions: Complete and submit this page within 30 days of completion of the entire project, or any independent portion of the project, as required by the permit conditions. The operation phase of the permit is effective when the construction certification for the entire permit/application is approved by the Agency. If the final operation and maintenance entity is not the permittee, the permittee shall operate the project, system, works, or other activities temporarily until such time as the transfer to the operation entity is finalized (use Form 62-330.310(2)).

Permit No: _____ Application No: _____ Permittee: _____
Project Name: _____ Phase or Independent Portion (if applicable): _____

I HEREBY CERTIFY THAT (please check only one box):

- ☐ To the best of my knowledge, information, and belief, construction of the project has been completed in substantial conformance with the plans specifications and conditions permitted by the Agency. Any minor deviations will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. Attached are documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.
- ☐ Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. Any deviations or independent phasing will not prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. (Contact the permitting agency to determine whether a modification of the permit will be required in accordance with Rule 62-330.315, F.A.C.) Attached is a description of substantial deviations, a set of as-built drawings, and documents to demonstrate satisfaction of the outstanding permit conditions, other than long term monitoring and inspection requirements.
- ☐ Construction of the project was NOT completed in substantial conformance with the plans and specifications permitted by the Agency. There are substantial deviations that prevent the project from functioning in compliance with the requirements of Chapter 62-330, F.A.C. I acknowledge that corrections to the project and/or a modification of the permit will likely be required, and that conversion to the operation phase cannot be approved at this time. As-built or record drawings reflecting the substantial deviations are attached.

For activities that require certification by a registered professional:

By: _____ (Print Name) (Fla. Lic. or Reg. No.)
Signature

(Company Name)

(Company Address)

(Telephone Number)

(Email Address)

AFFIX SEAL

(Date)

For activities that do not require certification by a registered professional:

By: _____ (Print Name)
Signature
(Company Name) (Company Address)



(Telephone Number)

(Email Address)

(Date)



Drawings and Information Checklist

Following is a list of information that is to be verified and/or submitted by the Registered Professional or Permittee:

1. All surveyed dimensions and elevations shall be certified by a registered Surveyor or Mapper under Chapter 472, F.S.
2. The registered professional's certification shall be based upon on-site observation of construction (scheduled and conducted by the registered professional of record or by a project representative under direct supervision) and review of as-built drawings, with field measurements and verification as needed, for the purpose of determining if the work was completed in accordance with original permitted construction plans, specifications, and conditions.
3. If submitted, the as-built drawings are to be based on the permitted construction drawings revised to reflect any substantial deviations made during construction. Both the original design and constructed condition must be clearly shown. The plans need to be clearly labeled as "as-built" or "record" drawings that clearly highlight (such as through "red lines" or "clouds") any substantial deviations made during construction. As required by law, all surveyed dimensions and elevations required shall be verified and signed, dated, and sealed by an appropriate registered professional. The following information, at a minimum, shall be verified on the as-built drawings, and supplemental documents if needed:
 - a. Discharge structures - Locations, dimensions and elevations of all, including weirs, orifices, gates, pumps, pipes, and oil and grease skimmers;
 - b. Detention/Retention Area(s) – Identification number, size in acres, side slopes (h:v), dimensions, elevations, contours, or cross-sections of all, sufficient to determine stage-storage relationships of the storage area and the permanent pool depth and volume below the control elevation for normally wet systems,
 - c. Side bank and underdrain filters, or exfiltration trenches - locations, dimensions, and elevations of all, including clean-outs, pipes, connections to control structures, and points of discharge to receiving waters;
 - d. System grading - dimensions, elevations, contours, final grades, or cross-sections to determine contributing drainage areas, flow directions, and conveyance of runoff to the system discharge point(s);
 - e. Conveyance - dimensions, elevations, contours, final grades, or cross-sections of systems utilized to divert off-site runoff around or through the new system;
 - f. Benchmark(s) - location and description (minimum of one per major water control structure);
 - g. Datum- All elevations should be referenced to a vertical datum clearly identified on the plans, preferably the same datum used in the permit plans.
4. Wetland mitigation or restoration areas - Show the plan view of all areas, depicting a spatial distribution of plantings conducted by zone (if plantings are required by permit), with a list showing all species planted in each zone, numbers of each species, sizes, date(s) planted, and identification of source of material; also provide the dimensions, elevations, contours, and representative cross-sections depicting the construction.
5. A map depicting the phase or independent portion of the project being certified, if all components of the project authorized in the permit are not being certified at this time.
6. Any additional information or outstanding submittals required by permit conditions or to document permit compliance, other than long-term monitoring or inspection requirements.

Attachment 8
Public Works Department Approval

RE: FP-15-07-02 Coco Bay Bond Reduction

From Benjamin, Roy <Roy.Benjamin@charlottecountyfl.gov>

Date Wed 4/30/2025 7:12 AM

To Shao, Jenny <Jenny.Shao@charlottecountyfl.gov>

Cc Benjamin, Roy <Roy.Benjamin@charlottecountyfl.gov>

Approved on Accela. No comments or concerns.

If you have further concerns please contact me at the information below.

Best Regards,

Roy Benjamin
Construction Services Manager
Charlotte County Public Works
410 Taylor Road, Unit 104
Punta Gorda, Florida 33950
Roy.benjamin@charlottecountyfl.gov

Office (941) 575-3628

Cell (941) 628-8065

Fax (941) 575-3664

"To Exceed Expectations in the Delivery of Public Services"



From: Shao, Jenny <Jenny.Shao@charlottecountyfl.gov>

Sent: Tuesday, April 29, 2025 10:19 AM

To: Benjamin, Roy <Roy.Benjamin@charlottecountyfl.gov>

Subject: FP-15-07-02 Coco Bay Bond Reduction

Good afternoon,

Lennar Homes, LLC is requesting a bond reduction for FP-15-07-02 Coco Bay. The Accela reference # is BRR-25-07 and I have assigned the review to you.

Please let me know if the standards of approval have been met for the reduction of the bond or if more information is required.