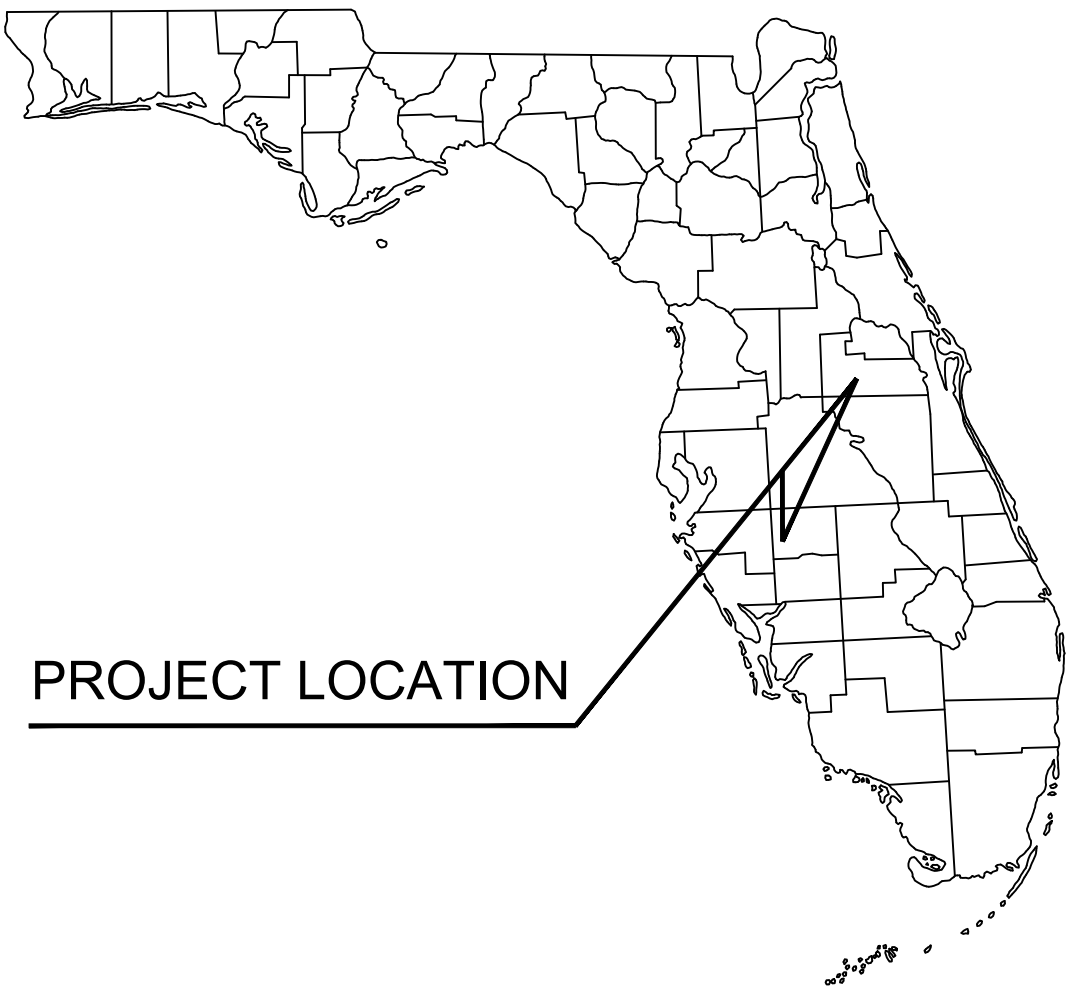


CONSTRUCTION DOCUMENTS
FOR
MASSEY CADILLAC SOUTH

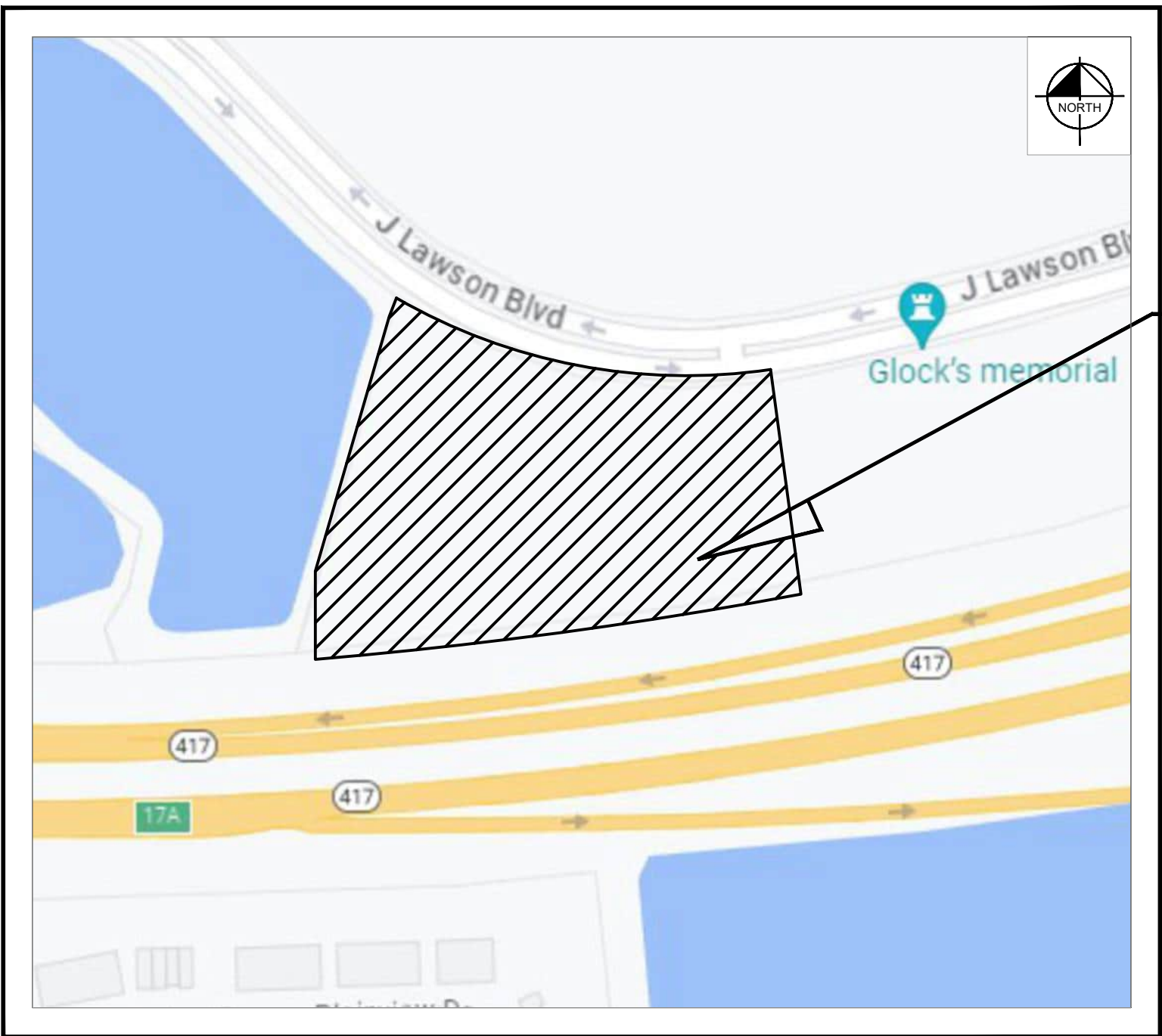
PARCEL # 21-24-30-3127-00-025
CDR-24-02-045
ORANGE COUNTY, FLORIDA
February 11, 2025



PROJECT LOCATION



AERIAL PHOTOGRAPH
N.T.S.



SECTION 21, TOWNSHIP 24S, RANGE 30E
LOCATION MAP
N.T.S.

SITE

LEGAL DESCRIPTION:

ALL THAT PIECE AND PARCEL OF LAND LOCATED IN THE SOUTH HALF OF SECTION 28, TOWNSHIP 24 SOUTH, RANGE 30 EAST, ORANGE COUNTY, FLORIDA, AND ALSO BEING A PORTION OF LOT 2, OF THE PLAT OF GINN-AIRPORT AS DESCRIBED IN PLAT BOOK 55 PAGES 44 THROUGH 49, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, AND FURTHER DESCRIBED AS FOLLOWS:

COMMENCING AT THE NORTHWEST CORNER OF TRACT PD-2 AS SHOWN ON THE PLAT OF J LAWSON BOULEVARD, AS DESCRIBED IN PLAT BOOK 58 PAGES 64 THROUGH 68, OF THE PUBLIC RECORDS OF ORANGE COUNTY, FLORIDA, SAID NORTHWEST CORNER ALSO BEING ON THE SOUTHERLY RIGHT-OF-WAY LINE OF J LAWSON BOULEVARD AS SHOWN ON SAID PLAT OF J LAWSON BOULEVARD; THENCE DEPARTING SAID SOUTHERLY RIGHT-OF-WAY LINE AND ALONG THE WEST LINE OF SAID TRACT PD-2, SOUTH 24°49' 24" EAST A DISTANCE OF 300.00 FEET TO A POINT ON THE NORTHERLY RIGHT OF WAY LINE OF STATE ROAD 417 EASTERN BELTWAY AS SHOWN ON SAID PLAT OF GINN-AIRPORT; SAID POINT ALSO BEING A POINT OF CURVATURE; THENCE ALONG SAID NORTHERLY RIGHT-OF-WAY LINE OF STATE ROAD 417 EASTERN BELTWAY ALONG A CURVE TO THE RIGHT BEING CONCAVE NORTHWESTERLY, HAVING AN ARC DISTANCE OF 1,627.81 FEET, A RADIUS OF 6,517.05 FEET, A CENTRAL ANGLE OF 14° 18' 40" AND BEING SUBTENDED BY A CHORD WHICH BEARS SOUTH 72° 19' 04" WEST A DISTANCE OF 1,623.58 FEET TO A POINT OF COMPOUND CURVATURE AND POINT OF BEGINNING; THENCE CONTINUING ALONG SAID NORTHERLY RIGHT-OF-WAY LINE OF STATE ROAD 417 EASTERN BELTWAY ALONG A CURVE TO THE RIGHT BEING CONCAVE NORTHWESTERLY, HAVING AN ARC DISTANCE OF 651.93 FEET, A RADIUS OF 6,517.05 FEET, A CENTRAL ANGLE OF 05° 43' 54" AND BEING SUBTENDED BY A CHORD WHICH BEARS SOUTH 82° 23' 14" WEST A DISTANCE OF 651.66 FEET TO A POINT OF NON-TANGENCY; THENCE DEPARTING SAID NORTHERLY RIGHT-OF-WAY LINE OF STATE ROAD 417 EASTERN BELTWAY, NORTH 00° 00' 00" EAST, A DISTANCE OF 117.01 FEET TO A POINT; THENCE NORTH 16° 30' 49" EAST, A DISTANCE OF 378.37 FEET TO THE SOUTHERLY RIGHT-OF-WAY LINE OF J LAWSON BOULEVARD OF SAID PLAT OF J LAWSON BOULEVARD TO A POINT ON A NON-TANGENT CURVE; THENCE ALONG SAID SOUTHERLY RIGHT-OF-WAY LINE OF J LAWSON BOULEVARD ALONG A CURVE TO THE LEFT BEING CONCAVE NORTHEASTERLY, HAVING AN ARC DISTANCE OF 515.21 FEET, A RADIUS OF 770.00 FEET, A CENTRAL ANGLE OF 38° 20' 11" AND BEING SUBTENDED BY A CHORD WHICH BEARS SOUTH 79° 10' 47" EAST A DISTANCE OF 505.65 FEET TO A POINT; THENCE DEPARTING SAID SOUTHERLY RIGHT-OF-WAY LINE OF J LAWSON BOULEVARD SOUTH 07° 57' 14" EAST, A DISTANCE OF 301.42 FEET TO THE NORTHERLY RIGHT-OF-WAY LINE OF STATE ROAD 417 EASTERN BELTWAY AND THE POINT OF BEGINNING.

SAID PARCEL CONTAINING 217,800 SQUARE FEET OR 5.000 ACRES MORE OR LESS.

INDEX OF SHEETS

C0.0	COVER
C1.0	GENERAL NOTES
C2.0	SWPPP
C3.0	EXISTING CONDITIONS & DEMO PLAN
C3.1	EROSION CONTROL DETAILS
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C9.2	ORANGE COUNTY STANDARD DETAILS
L1.00	OVERALL LANDSCAPE PLAN
L1.50	LANDSCAPE DETAILS
L1.51	LANDSCAPE NOTES
L2.00	OVERALL IRRIGATION PLAN
L2.50	IRRIGATION DETAILS
L2.51	IRRIGATION NOTES

PROJECT TEAM

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UTILITY PROVIDERS

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ORANGE COUNTY UTILITY
9150 CURRY FORD RD.
ORLANDO, FL 32825
PHONE: (407) 254-9900

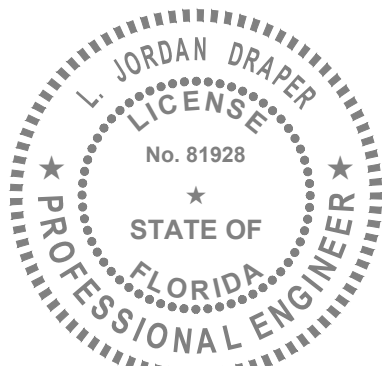
POWER:
DUKE ENERGY
452 E CROWN POINT RD
WINTER GARDEN, FL 34787
CONTACT: STEPHANIE OLMO
PHONE: (407) 905-3376

CABLE/TELEPHONE:
AT&T
5100 STEYR ST
ORLANDO, FL 32819
CONTACT: SIDNEY TATE
PHONE: (407) 496-5536

GAS:
TECO PEOPLES GAS- ORLANDO
8416 PALM RIVER RD
TAMPA, FL 33619
CONTACT: JOAN DOMNING
PHONE: (813) 275-3783

PREPARED BY
Kimley»Horn

2024 KIMLEY-HORN AND ASSOCIATES, INC.
200 S. ORANGE AVE., SUITE 600, ORLANDO, FL 32801
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WWW.KIMLEY-HORN.COM REGISTRY No. 35106



L. JORDAN DRAPER, P.E.
FL. P.E. NO. 81928

CIVIL SITE PLANS PROVIDED
FOR REFERENCE ONLY. SEE
PERMIT B24906161.

MASSEY CADILLAC SOUTH
February 11, 2025
ENGINEER'S PROJECT No. 017427030

NO.	DESCRIPTION	DATE	BY

Plotted By: Stuer, Cole Sheet Set: MASSEY CADILLAC SOUTH Layout: C2.0 February 11, 2025 01:42:55pm K:\VORL-GVL\017427030--Massey Cadillac South\CADD\CONSTR\PlanSheets\C2.0 SWPPP.dwg
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STORMWATER POLLUTION PREVENTION PLAN

SITE DESCRIPTION

PROJECT NAME AND LOCATION

MASSEY CADILLAC SOUTH
TAX PARCEL: 21-24-30-3127-00-025
ORLANDO, FLORIDA 32827-7099
ORANGE COUNTY, FLORIDA

*SEE COVER SHEET FOR LOCATION MAP

DEVELOPER NAME AND ADDRESS

SONIC AUTOMOTIVE
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CHARLOTTE, NC 28211
CONTACT: ZACHARY HARRIS
EMAIL: Zachary.E.Harris@sonicautomotive.com

PROJECT DESCRIPTION

THE "MASSEY CADILLAC SOUTH" PROJECT IS A CAR DEALERSHIP DEVELOPMENT ON A 5.00 ACRE SITE. THE SITE IS LOCATED SOUTH OF J LAWSON BLVD AND NORTH OF SR417 IN ORLANDO, FLORIDA. THE SITE DISCHARGES TO A EXISTING STORMWATER MANAGEMENT SYSTEM.

PROJECT AREA: ±5.00 ACRES
CONTRIBUTING DRAINAGE AREA: ±5.00 ACRES

ULTIMATE RECEIVING WATERS: EXISTING DETENTION POND

ACTIVITIES THAT REQUIRE EROSION CONTROL

SITE CLEARING AND GRUBBING; PROVIDING A STABILIZED CONSTRUCTION ENTRANCE, PERIMETER, AND OTHER EROSION AND SEDIMENT CONTROLS; SITE GRADING; INSTALLATION OF STORM WATER; CURB, ROADWAYS, AND PARKING FACILITIES.

*SEE PLANS FOR THE LOCATION OF TEMPORARY SEDIMENT BARRIERS AND OTHER EROSION CONTROL METHODS.

SOIL PARAMETERS

SOIL TYPES:

HYDROLOGIC SOIL GROUP SUMMARY		
SOIL TYPE	SOIL NAME	SOIL RATING
44	SMYRNA-SMYRNA, WET, FINE SAND	A
37	ST. JOHNS FINE SAND	A

SEQUENCE OF MAJOR ACTIVITIES

THE ORDER OF CONSTRUCTION IS AS FOLLOWS:

1. PROVIDE STABILIZED CONSTRUCTION ENTRANCE
2. INSTALL SILT FENCES AND OTHER EROSION CONTROL METHODS
3. CLEAR AND GRUB FOR SEDIMENT BASIN AND EARTH DIKE
4. CONSTRUCT EARTH DIKE AND SEDIMENT BASIN
5. FINISH CLEARING AND GRUBBING
6. REMOVE AND STORE TOPSOIL
7. PROVIDE INITIAL GRADING AS REQUIRED
8. STABILIZE ALL DISTURBED AREAS AS SOON AS POSSIBLE
9. INSTALL UTILITIES, STORM SEWER, CURB AND GUTTER
10. INSTALL BASE TO ROAD AND PARKING AREAS
11. FINISH GRADING ENTIRE SITE
12. CONSTRUCT FINAL PAVING
13. REMOVE ACCUMULATED SEDIMENT
14. REMOVE ANY ITEMS THAT ARE NOT REQUIRED

TIMING OF CONTROL MEASURES

THE INSTALLATION OF SILT FENCE (AND OTHER EROSION CONTROL MEASURES), A STABILIZED ENTRANCE AND SEDIMENT BASIN SHALL OCCUR PRIOR TO CLEARING AND GRUBBING ACTIVITY. AFTER CONSTRUCTION IS COMPLETE, THE ACCUMULATED SEDIMENT SHALL BE REMOVED AND THE AREAS SHALL BE REGRADED AND PERMANENTLY STABILIZED AS SHOWN ON THE PLANS.

EROSION AND SEDIMENT CONTROLS

BEST MANAGEMENT PRACTICES SHALL BE USED FOR THIS PROJECT TO CONTROL EROSION AND TURBIDITY CAUSED BY STORM WATER RUN-OFF. THE LOCATION AND DETAILS OF EROSION CONTROL METHODS ARE SHOWN ON THE PLANS. THE CONTRACTOR IS RESPONSIBLE FOR PLACING AND MAINTAINING THESE CONTROL METHODS AS SHOWN ON THE PLANS OR AS REQUIRED. HE/SHE SHALL ALSO PROVIDE THE REQUIRED EROSION PROTECTION AS REQUIRED BY LOCAL, STATE AND FEDERAL LAW.

STORM WATER MANAGEMENT

STORM WATER COLLECTION SHALL BE PROVIDED BY CATCH BASINS. THE SITE WILL DISCHARGE TO AN EXISTING STORMWATER MANAGEMENT POND.

STABILIZATION PRACTICES:

TEMPORARY STABILIZATION - TOPSOIL STOCK PILES AND DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASE, SHALL BE STABILIZED WITH TEMPORARY SEED AND MULCH WITHIN 7 DAYS OF THE LAST CONSTRUCTION ACTIVITY IN THAT AREA. THE TEMPORARY SEED REQUIRED CAN BE FOUND IN TABLE 1.65 A OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, WHERE SOILS ARE ACIDIC 2 TONS OF PULVERIZED AGRICULTURAL LIMESTONE SHOULD BE ADDED PER ACRE AND 450 POUNDS OF 10-20-20 FERTILIZER SHALL BE APPLIED TO EACH ACRE. AFTER SEEDING, EACH AREA SHALL BE IMMEDIATELY MULCHED WITH STRAW OR EQUIVALENT EQUAL. AREAS OF THE SITE WHICH ARE TO BE PAVED SHALL BE TEMPORARILY STABILIZED BY APPLYING GEOTEXTILE AND STONE SUB-BASE UNTIL BITUMINOUS PAVEMENT CAN BE APPLIED.

PERMANENT STABILIZATION - DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES PERMANENTLY CEASE SHALL BE STABILIZED WITH PERMANENT SEED NO LATER THAN 7 DAYS AFTER THE LAST CONSTRUCTION ACTIVITY. THE APPROPRIATE PERMANENT SEED MIX CAN BE FOUND IN TABLES 1.66A, 1.66B AND 1.66C OF THE FLORIDA DEVELOPMENT MANUAL. PRIOR TO SEEDING, 2 TONS/ACRE OF FINELY GROUND AGRICULTURAL LIMESTONE AND THE PROPER FERTILIZER BASED ON THE TYPE OF SEEDING SHALL BE APPLIED TO EACH ACRE TO PROVIDE PLANT NUTRIENTS. AFTER SEEDING, EACH AREA SHALL BE MULCHED IMMEDIATELY. ALL RETENTION/DETENTION BASINS SHALL BE SODDED AT LEAST TO THE NORMAL WATER LINE. ALL EXPOSED AREAS WITHIN PUBLIC RIGHTS-OF-WAY SHALL BE SOLID SODDED, OTHER AREAS WITH SLOPES STEEPER THAN 4:1 SHALL BE SODDED.

STRUCTURAL PRACTICES:

EARTH DIKE - IF REQUIRED, AN EARTH DIKE SHALL BE CONSTRUCTED ALONG THE SITE PERIMETER. A PORTION OF THE DIKE SHALL DIVERT RUN-ON AROUND THE CONSTRUCTION SITE. THE REMAINING PORTION OF THE DIKE SHALL COLLECT RUNOFF FROM THE DISTURBED AREA AND DIRECT THE RUNOFF TO THE SEDIMENT BASIN.

SEDIMENT BASIN - A SEDIMENT BASIN SHALL BE CONSTRUCTED IN THE COMMON DRAINAGE AREA FOR THE SITE. ALL SEDIMENT COLLECTED IN THE BASIN MUST BE REMOVED FROM THE BASIN UPON COMPLETION OF CONSTRUCTION. SEDIMENT FROM THE BASIN MAY BE USED AS FILL ON THE SITE IF IT IS SUITABLE SOIL.

WASTE DISPOSAL

WASTE MATERIALS - ALL WASTE MATERIALS SHALL BE COLLECTED AND STORED IN A METAL DUMPSTER WITH A SECURE LID IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. ALL TRASH AND CONSTRUCTION DEBRIS FROM THE SITE SHALL BE DEPOSITED IN THE DUMPSTER. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITIES TO HAVE THE DUMPSTER EMPTIED AT LEAST TWICE A WEEK AND THE WASTE TAKEN TO AN APPROPRIATE LANDFILL. NO CONSTRUCTION WASTE MATERIALS SHALL BE BURIED ON SITE. THE SUPERINTENDENT SHALL ORGANIZE TRAINING FOR THE EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH WASTE MATERIALS. THE SUPERINTENDENT SHALL BE RESPONSIBLE FOR POSTING AND ENFORCING WASTE MATERIAL PROCEDURES.

HAZARDOUS WASTE - HAZARDOUS WASTE MATERIALS SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS OR AS DIRECTED BY THE MANUFACTURER. THE SUPERINTENDENT SHALL ORGANIZE THE PROPER TRAINING FOR EMPLOYEES IN THE PROPER PRACTICES WHEN DEALING WITH HAZARDOUS WASTE MATERIALS. THESE PROCEDURES SHALL BE POSTED ON THE SITE. THE PERSON WHO MANAGES THE SITE SHALL BE RESPONSIBLE FOR ENFORCING THE PROCEDURES.

SANITARY WASTE - SANITARY WASTE SHALL BE COLLECTED AND DISPOSED OF IN ACCORDANCE WITH ALL LOCAL AND STATE LAWS. THE SUPERINTENDENT SHALL COORDINATE WITH THE LOCAL UTILITY FOR COLLECTION OF THE SANITARY WASTE AT LEAST THREE TIMES A WEEK TO PREVENT SPILLAGE ONTO THE SITE.

OFF-SITE TRACKING

A STABILIZED CONSTRUCTION ENTRANCE SHALL BE PROVIDED TO REDUCE SEDIMENT TRACKING OFFSITE. THE CONTRACTOR SHALL PROMPTLY REMOVE ALL MUD, DIRT, OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC ROADS AND FACILITIES, DUE TO CONSTRUCTION. ALL TRUCKS HAULING MATERIALS OFFSITE SHALL BE COVERED WITH A TARPULIN.

DUST & DEBRIS CONTROL
THE CONTRACTOR SHALL BE RESPONSIBLE FOR DUST CONTROL WITHIN THE CONSTRUCTION LIMITS AS WELL AS ALONG HAUL ROUTES AND ROADWAYS USED BY THE EQUIPMENT AND VEHICLES. THE CONTRACTOR SHALL ENSURE THAT EXCESSIVE DUST IS NOT TRANSPORTED BEYOND THE LIMITS OF CONSTRUCTION IN POPULATED AREAS. THE CONTRACTOR MAY CONTROL DUST FOR EMBANKMENTS OR OTHER CLEARED OR UNSURFACED AREAS BY APPLYING WATER. INSTALL MULCH, SEED, SOD, OR TEMPORARY PAVING AS EARLY AS PRACTICAL. CONTROL DUST DURING STORAGE AND HANDLING OF DUSTY MATERIALS BY WETTING, COVERING, OR OTHER MEANS AS APPROVED BY THE ENGINEER.
DEBRIS SHALL NOT BE ALLOWED TO ACCUMULATE ON THE PROJECT SITE.

ITEMS REQUIRING POLLUTION PREVENTION

THE FOLLOWING ITEMS ARE EXPECTED TO BE PRESENT ON THE PROJECT SITE:

-ASPHALT	-CLEANING SUPPLIES
-CONCRETE	-DETERGENTS
-FERTILIZERS	-MASONARY BLOCK/BRICKS
-METAL PIECES	-PAINT
-PETROLEUM BASED PRODUCTS	-WOOD
-TAR	

THE FOLLOWING ARE NON-STORM WATER SOURCES THAT WILL BE ENCOUNTERED AT THE SITE AND SHOULD BE DIRECTED TO THE SEDIMENT BASIN PRIOR TO DISCHARGE:

-UNCONTAMINATED GROUNDWATER EXPOSED DURING EXCAVATION
-WATER FROM WATER LINE FLUSHING
-PAVEMENT WASH WATERS (WHERE NO SPILLS OR LEAKS OF TOXIC OR HAZARDOUS MATERIALS HAVE OCCURRED).

SPILL PREVENTION AND CONTROL

THE FOLLOWING ARE THE MATERIAL MANAGEMENT PRACTICES THAT WILL BE USED TO REDUCE THE RISK OF SPILLS OR OTHER ACCIDENTAL EXPOSURE OF MATERIALS AND SUBSTANCES TO STORM WATER RUNOFF.

GOOD HOUSEKEEPING

-SUPERINTENDENT SHALL INSPECT PROJECT AREA DAILY FOR PROPER STORAGE, USE, AND DISPOSAL OF CONSTRUCTION MATERIALS.

-STORE ONLY ENOUGH MATERIAL ON SITE FOR PROJECT COMPLETION.

-ALL SUBSTANCES SHOULD BE USED BEFORE DISPOSAL OF CONTAINER.

-ALL CONSTRUCTION MATERIALS STORED SHALL BE ORGANIZED AND IN THE PROPER CONTAINER AND IF POSSIBLE, STORED UNDER A ROOF OR PROTECTIVE COVER.

-PRODUCTS SHALL NOT BE MIXED UNLESS DIRECTED BY THE MANUFACTURER.

-ALL PRODUCTS SHALL BE USED AND DISPOSED OF ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS.

HAZARDOUS PRODUCTS

-MATERIALS SHOULD BE KEPT IN ORIGINAL CONTAINER WITH LABELS UNLESS THE ORIGINAL CONTAINERS CANNOT BE RESEALED. IF ORIGINAL CONTAINERS CANNOT BE USED, LABELS AND PRODUCT INFORMATION SHALL BE SAVED.

-PROPER DISPOSAL PRACTICES SHALL ALWAYS BE FOLLOWED IN ACCORDANCE WITH MANUFACTURER AND LOCAL/STATE REGULATIONS.

PRODUCT SPECIFIC PRACTICES

-PETROLEUM PRODUCTS MUST BE STORED IN PROPER CONTAINERS AND CLEARLY LABELED. VEHICLES CONTAINING PETROLEUM PRODUCTS SHALL BE PERIODICALLY INSPECTED FOR LEAKS. PRECAUTIONS SHALL BE TAKEN TO AVOID LEAKAGE OF PETROLEUM PRODUCTS ON SITE.

-THE MINIMUM AMOUNT OF FERTILIZER SHALL BE USED AND MIXED INTO THE SOIL IN ORDER TO LIMIT EXPOSURE TO STORM WATER. FERTILIZERS SHALL BE STORED IN A COVERED SHED. THE CONTENTS OF ANY PARTIALLY USED BAGS OF FERTILIZER SHALL BE TRANSFERRED TO A SEALABLE PLASTIC BIN TO AVOID SPILLS.

-PAINT CONTAINERS SHALL BE SEALED AND STORED WHEN NOT IN USE. EXCESS PAINT MUST BE DISPOSED OF IN AN APPROVED MANNER.

-CONCRETE TRUCKS SHALL NOT BE ALLOWED TO WASH OUT OR DISCHARGE SURPLUS CONCRETE OR DRUM WASH WATER ON THE SITE.

SPILL CONTROL PRACTICES

IN ADDITION TO THE GOOD HOUSEKEEPING AND MATERIAL MANAGEMENT PRACTICES DISCUSSED IN THE PREVIOUS SECTIONS OF THIS PLAN, THE FOLLOWING PRACTICES SHALL BE FOLLOWED FOR SPILL PREVENTION AND CLEANUP:

-SPILL CLEANUP INFORMATION SHALL BE POSTED ON SITE TO INFORM EMPLOYEES ABOUT CLEANUP PROCEDURES AND RESOURCES.

-THE FOLLOWING CLEAN-UP EQUIPMENT MUST BE KEPT ON-SITE NEAR THE MATERIAL STORAGE AREA: GLOVES, MOPS, RAGS, BROOMS, DUST PANS, SAND, SAWDUST, LIQUID ABSORBER, GOGGLES, AND TRASH CONTAINERS.

-ALL SPILLS SHALL BE CLEANED UP AS SOON AS POSSIBLE.

-WHEN CLEANING A SPILL, THE AREA SHOULD BE WELL VENTILATED AND THE EMPLOYEE SHALL WEAR PROPER PROTECTIVE COVERING TO PREVENT INJURY.

-TOXIC SPILLS MUST BE REPORTED TO THE PROPER AUTHORITY REGARDLESS OF THE SIZE OF THE SPILL.

-AFTER A SPILL, THE PREVENTION PLAN SHALL BE REVIEWED AND CHANGED TO PREVENT FURTHER SIMILAR SPILLS FROM OCCURRING. THE CAUSE OF THE SPILL, MEASURES TO PREVENT IT, AND HOW TO CLEAN THE SPILL UP SHALL BE RECORDED.

-THE SUPERINTENDENT SHALL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR AND IS RESPONSIBLE FOR THE DAY TO DAY SITE OPERATIONS. THE SUPERINTENDENT ALSO OVERSEES THE SPILL PREVENTION PLAN AND SHALL BE RESPONSIBLE FOR EDUCATING THE EMPLOYEES ABOUT SPILL PREVENTION AND CLEANUP PROCEDURES.

MAINTENANCE AND INSPECTION PRACTICES

THE FOLLOWING ARE MAINTENANCE AND INSPECTION PRACTICES THAT SHALL BE COMPLETED BY THE CONTRACTOR:

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE CHECKED DAILY AND AFTER EACH 0.5 INCH OR GREATER RAINFALL BY THE SUPERINTENDENT OR SOMEONE UNDER HIS/HER DIRECT SUPERVISION.

-ALL SEDIMENT AND EROSION CONTROL METHODS SHALL BE KEPT IN GOOD CONDITION. REPAIRS MUST BE MADE WITHIN 24 HOURS OF REPORT.

-THE SILT FENCE SHALL BE INSPECTED PERIODICALLY FOR HEIGHT OF SEDIMENT AND CONDITION OF FENCE.

-THE SILT FENCE SHALL BE CLEARED OF SEDIMENT WHEN SEDIMENT MEASURES ONE-THIRD THE HEIGHT OF THE FENCE.

-THE SEDIMENT BASINS/DITCHES SHALL BE CHECKED MONTHLY FOR DEPTH OF SEDIMENT. THEY SHALL BE CLEANED WHEN SEDIMENT REACHES 10% OF TOTAL CAPACITY AND AFTER CONSTRUCTION IS COMPLETE.

-DIVERSION DIKES SHALL BE INSPECTED MONTHLY. ANY BREACHES SHALL BE PROMPTLY REPAIRED.

-ALL SEEDING SHALL BE CHECKED FOR PROPER GROWTH AND UNIFORMITY. UNSTABILIZED AREAS SHALL BE RE-SODDED.

-A MAINTENANCE REPORT SHALL BE COMPLETED DAILY AFTER EACH INSPECTION OF THE SEDIMENT AND EROSION CONTROL METHODS. THE REPORTS SHALL BE FILED IN AN ORGANIZED MANNER AND RETAINED ON-SITE DURING CONSTRUCTION. AFTER CONSTRUCTION IS COMPLETED, THE REPORTS SHALL BE SAVED FOR AT LEAST THREE YEARS. THE REPORTS SHALL BE AVAILABLE FOR ANY AGENCY THAT HAS JURISDICTION OVER EROSION CONTROL.

-THE SUPERINTENDENT SHALL ORGANIZE THE TRAINING FOR INSPECTION PROCEDURES AND PROPER EROSION CONTROL METHODS FOR EMPLOYEES THAT COMPLETE INSPECTIONS AND REPORTS.

POLLUTION PREVENTION PLAN CERTIFICATION

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

SIGNED: _____ DATE: _____

L. JORDAN DRAPER, P.E.
FLORIDA REGISTRATION NUMBER: 81928
PROFESSIONAL ENGINEER

CONTRACTOR'S CERTIFICATION

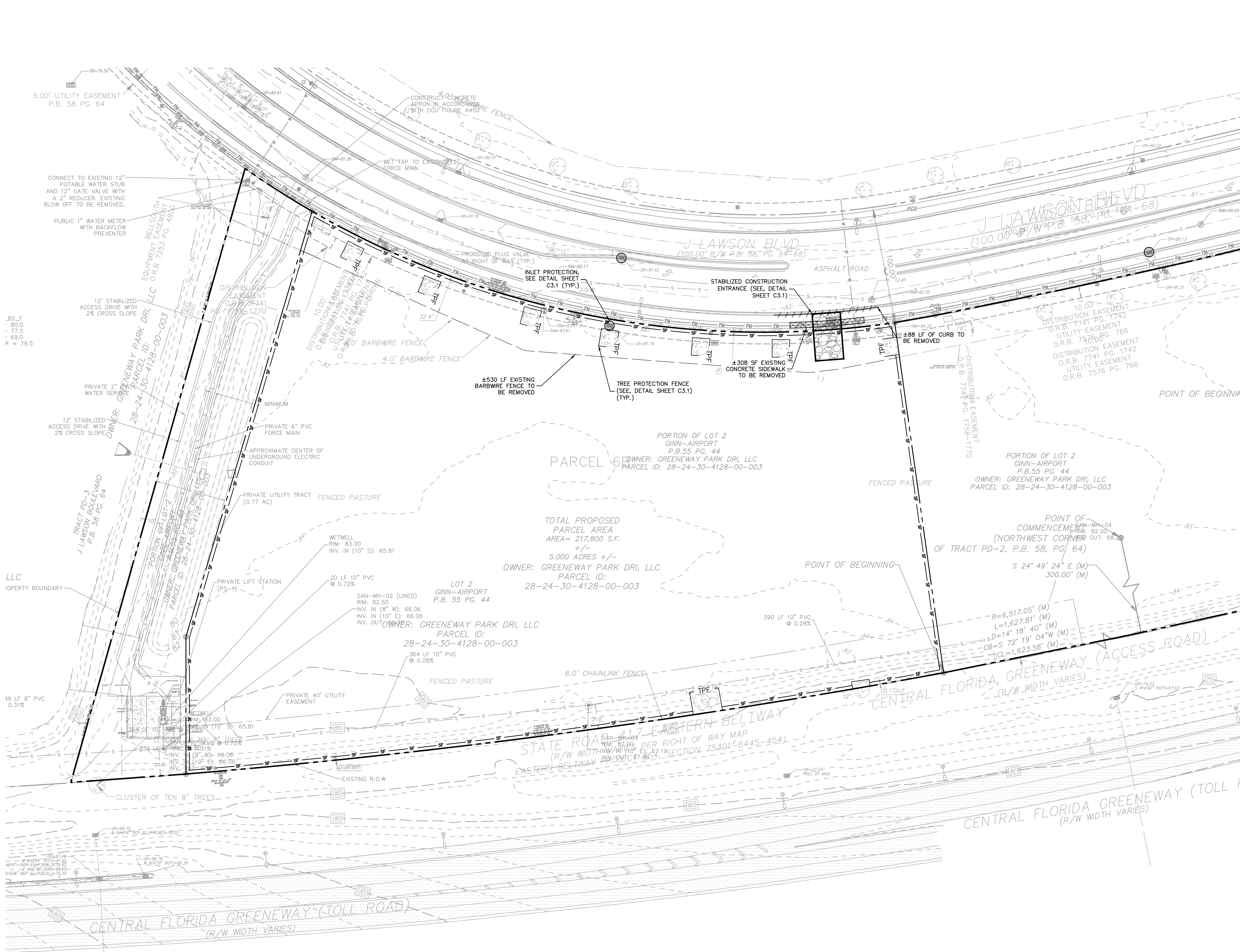
I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORMWATER DISCHARGE FORM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORMWATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

SIGNATURE AND DATE	NAME AND TITLE, COMPANY / ADDRESS AND TELEPHONE NUMBER	RESPONSIBILITY

CIVIL SITE PLANS PROVIDED
FOR REFERENCE ONLY. SEE
PERMIT B24906161.

ORANGE COUNTY COMMENTS		01/13/2025	CS
1			
Kimley»Horn		© 2024 KIMLEY-HORN AND ASSOCIATES, INC. 200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	
KHA PROJECT 017427030		DATE 2/11/2025	SCALE AS SHOWN
DESIGNED BY CSS		DRAWN BY CSS	CHECKED BY LJD
SWPPP		FLORIDA	
MASSEY CADILLAC SOUTH		ORANGE COUNTY	
SHEET NUMBER C2.0		DATE BY	

Plotted By: Stuer, Cole Sheet Set: MASSEY CADILLAC SOUTH Layout: C3.0 February 11, 2025 01:43:34pm K:\ORL\Civil\017427030-Massey Cadillac South\CADD\CONSTR\PlanSheets\CD\C3.0 EXISTING CONDITIONS & DEMOLITION PLAN.dwg
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CIVIL SITE PLANS PROVIDED
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PERMIT B24906161.

Always call 811 two full business days before you dig to
have underground utilities located and marked.

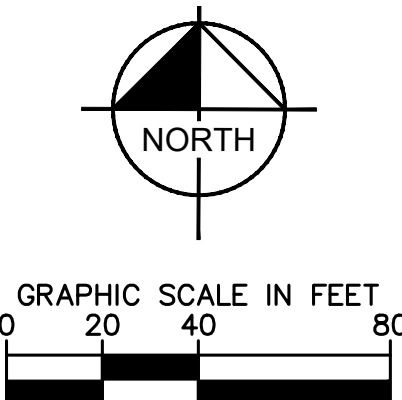


LEGEND

- PROPERTY BOUNDARY
- CURB TO BE REMOVED
- EXISTING SIDEWALK TO BE REMOVED
- TPF --- TREE PROTECTION FENCE
- PIPE TO BE REMOVED
- PIPE III SILT FENCE (SEE DETAIL, SHEET C3.1)
- EXISTING ASPHALT TO BE REMOVED
- STABILIZED CONSTRUCTION ENTRANCE (SEE DETAIL, SHEET C3.1)
- INLET PROTECTION (SEE DETAIL SHEET C3.1)
- × TREE TO BE REMOVED

NOTES:

- CONTRACTOR TO COORDINATE WITH ALL UTILITY COMPANIES REGARDING LIMITS OF REMOVAL AND RELOCATION OF ALL ON-SITE AND OFF-SITE UTILITIES.
- CONTRACTOR TO VERIFY ALL EXISTING SANITARY SEWER INVERTS PRIOR TO CONSTRUCTION ACTIVITIES.
- ANY UTILITIES OR IMPROVEMENTS NOT CALLED OUT TO BE REMOVED WILL BE RESTORED TO PRIOR CONDITIONS AT CONTRACTOR'S EXPENSE.
- FOR POSSIBLE ON-SITE UNDERGROUND STRUCTURES, PLEASE REFER TO THE GEOTECHNICAL REPORT.
- ANY SIDEWALKS OR CURBING DISTURBED BY THE WORK SHALL BE RESTORED TO THE CONDITION OF THE ORIGINAL STRUCTURE. SIDEWALK PANELS SHALL BE RESTORED TO FULL PANEL WIDTHS AND LENGTHS (DEFINED BY EDGES OF THE SIDEWALK AND THE NEAREST CONTROL JOINTS OR EXPANSION JOINTS.) PARTIAL PATCHING OF SIDEWALKS SHALL NOT BE ACCEPTABLE. PAVEMENT FINISHES, THICKNESS, AND GRADES SHALL MATCH EXISTING SIDEWALKS.
- THE ORANGE COUNTY STANDARDS FOR EROSION SEDIMENT CONTROL WILL BE USED AS GUIDELINES FOR EROSION CONTROL MEASURES.
- EXCESS FILL TO BE HAULED OFFSITE.
- EXCAVATING MATERIAL SHALL NOT BE STOCKPILED IN A MANNER AS TO DIRECT RUNOFF DIRECTLY OFF THE PROJECT SITE OR INTO ANY ADJACENT WATER BODY OR STORMWATER COLLECTION FACILITY.
- CONTRACTOR INSPECTION TO DETERMINE EFFECTIVENESS OF EROSION/SEDIMENT CONTROL EFFORTS TO BE CONDUCTED DAILY AND WITHIN 24 HOURS AFTER EACH 0.50 INCH OF GREATER RAINFALL EVENT. NECESSARY REMEDIES TO BE PERFORMED IMMEDIATELY.
- ALL TEMPORARY EROSION CONTROL MEASURES ARE TO REMAIN IN PLACE FOR THE DURATION OF CONSTRUCTION.
- ALL EXISTING BUILDINGS, ACCESSORY STRUCTURES, AND ASSOCIATED UTILITIES TO BE DEMOLISHED, UNLESS NOTED OTHERWISE.
- NO PERSON SHALL CAUSE, LET, SUFFER, ALLOW, OR PERMIT THE EMISSIONS OF UNCONFINED PARTICULATE MATTER FROM ANY ACTIVITY, INCLUDING VEHICULAR MOVEMENT; TRANSPORTATION OF MATERIALS; CONSTRUCTION, ALTERATION, DEMOLITION OR WRECKING; OR INDUSTRIALLY RELATED ACTIVITIES, SUCH AS LOADING, UNLOADING, STORING, OR HANDLING; WITHOUT TAKING REASONABLE PRECAUTIONS TO PREVENT SUCH EMISSIONS INCLUDING BUT NOT LIMITED TO APPLICATION OF WATER, DUST SUPPRESSANTS, PLANTING OF VEGETATION, POINT OF ACTIVITY CONTROLS (HOODS, FILTERS, ETC.) AND OTHER MEASURES.



ORANGE COUNTY COMMENTS		CS
1		

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EXISTING CONDITIONS & DEMO PLAN

PROFESSIONAL ENGINEER
KIMLEY-HORN AND ASSOCIATES, INC.
STATE OF FLORIDA
LICENSE NO. 12544
J. GRADY GRUBER, P.E.
DESIGNED BY: CSS
DRAWN BY: CSS
CHECKED BY: LJD
DATE: 02/11/2025
KHA PROJECT: 017427030
DATE: 02/11/2025

MASSEY CADILLAC SOUTH

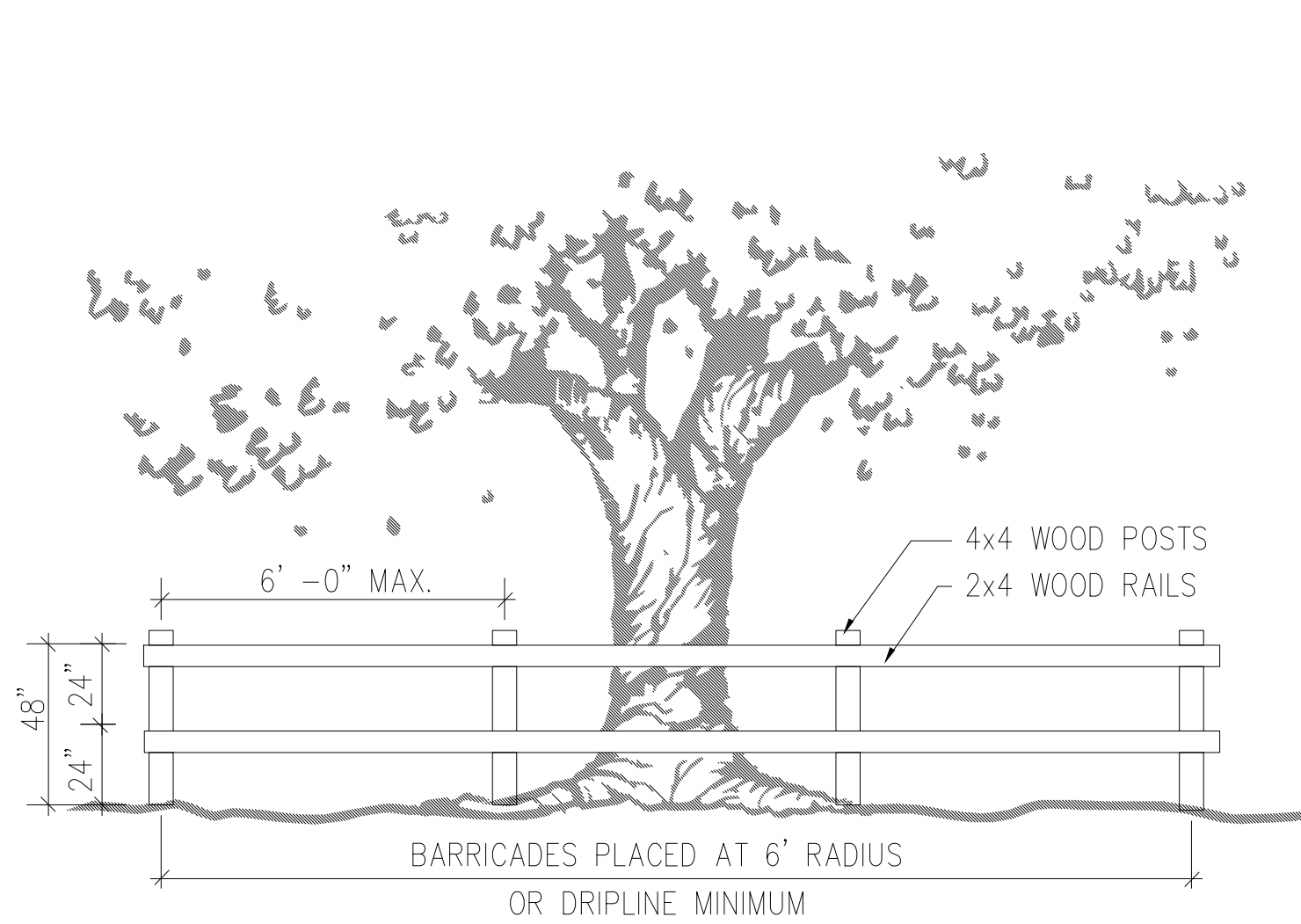
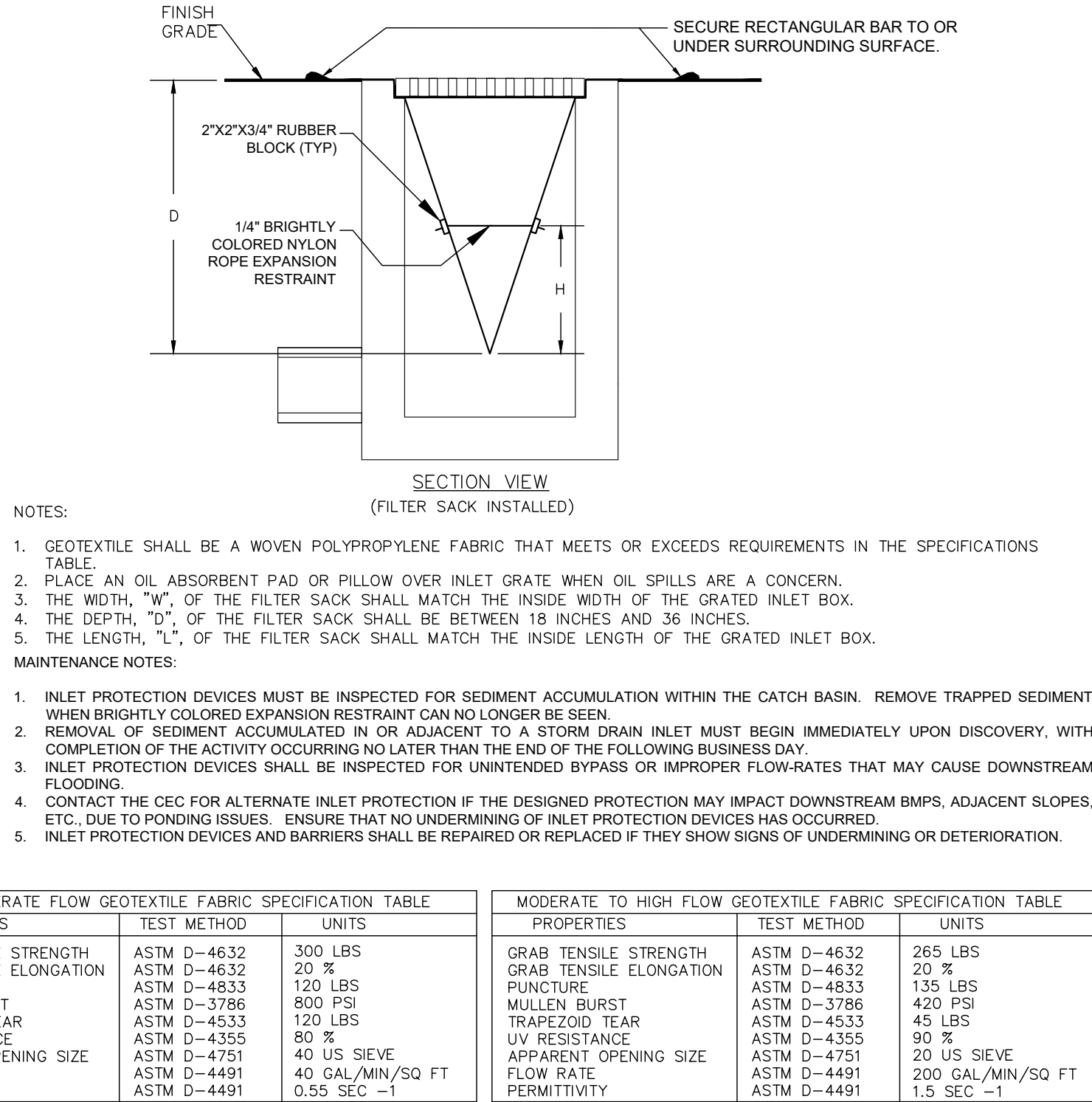
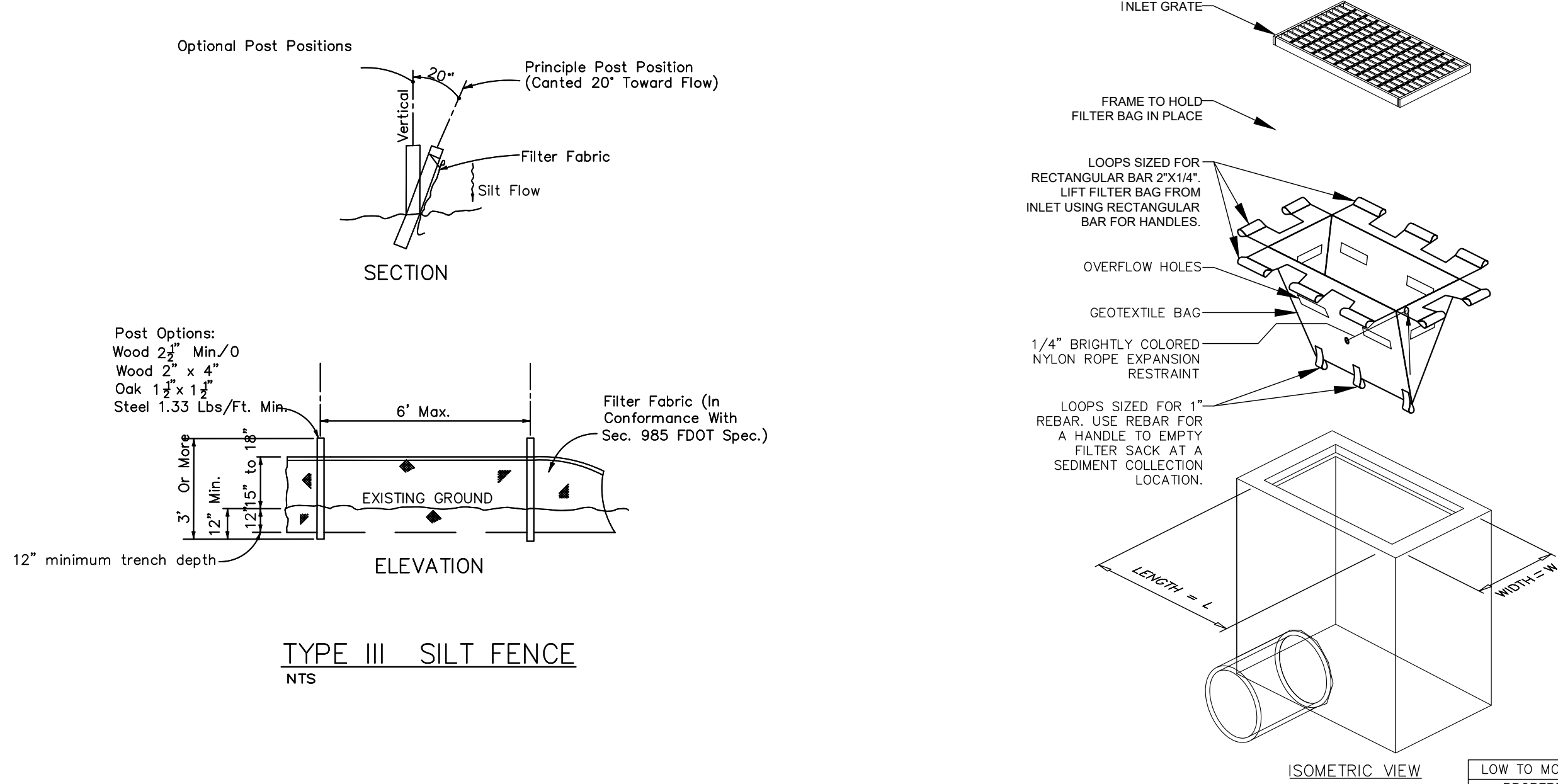
EXISTING CONDITIONS & DEMO PLAN

FLORIDA

ORANGE COUNTY

SHEET NUMBER
C3.0

Plotted By: Sauer, Cole - Sheet Set: MASSEY CADILLAC SOUTH - Layout: C3.1 - February 11, 2025 - 01:44:09pm - K:\ORL\Civil\017427030--Massey Cadillac South\CA01\CONSTR\PlanSheets\CD\C3.0 EXISTING CONDITIONS & DEVOLUTION PLAN.dwg
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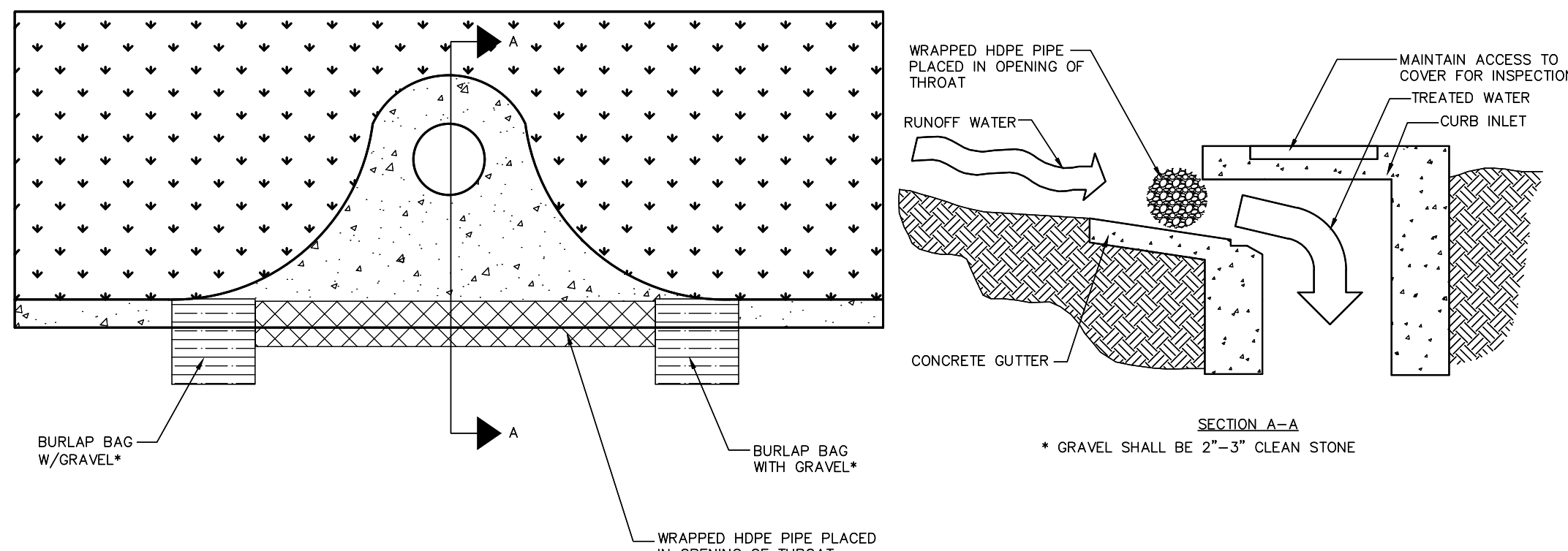
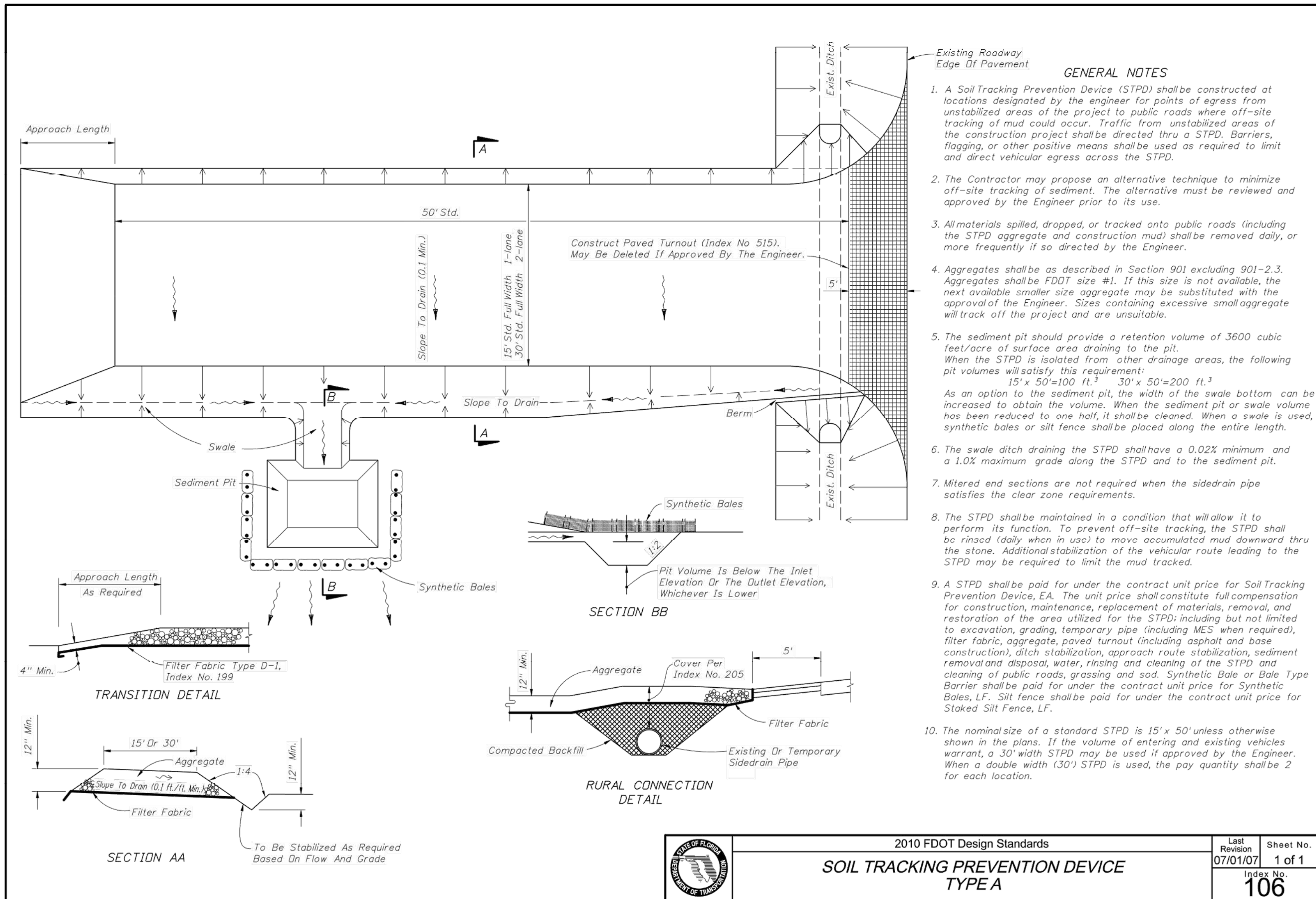


TREE PROTECTION DETAIL
NTS

LOW TO MODERATE FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE				MODERATE TO HIGH FLOW GEOTEXTILE FABRIC SPECIFICATION TABLE			
PROPERTIES	TEST METHOD	UNITS		PROPERTIES	TEST METHOD	UNITS	
GRAB TENSILE STRENGTH	ASTM D-4632	300 LBS		GRAB TENSILE STRENGTH	ASTM D-4632	265 LBS	
GRAB TENSILE ELONGATION	ASTM D-4632	20 %		GRAB TENSILE ELONGATION	ASTM D-4632	20 %	
PUNCTURE	ASTM D-4833	120 LBS		PUNCTURE	ASTM D-4833	135 LBS	
MULLEN BURST	ASTM D-3786	800 PSI		MULLEN BURST	ASTM D-3786	420 PSI	
TRAPEZOID TEAR	ASTM D-4533	120 LBS		TRAPEZOID TEAR	ASTM D-4533	45 LBS	
UV RESISTANCE	ASTM D-4355	80 %		UV RESISTANCE	ASTM D-4355	90 %	
APPARENT OPENING SIZE	ASTM D-4751	40 US SIEVE		APPARENT OPENING SIZE	ASTM D-4751	20 US SIEVE	
FLOW RATE	ASTM D-4491	40 GAL/MIN/SQ FT		FLOW RATE	ASTM D-4491	200 GAL/MIN/SQ FT	
PERMITTIVITY	ASTM D-4491	0.55 SEC -1		PERMITTIVITY	ASTM D-4491	1.5 SEC -1	

INLET PROTECTION FILTER SACK
N.T.S.

FOR USE ONLY IN PAVED AREAS WHERE SEDIMENT LOADS ARE EXPECTED TO BE VERY LOW. FILTER SACK MUST HAVE OVERFLOW HOLES TO PREVENT PONDING.



SOCK DRAIN INLET SEDIMENT FILTER
NTS

NOTE: THE PERFORATED PIPE MUST EXTEND AT LEAST 1' BEYOND THE CURB OPENING ON EACH SIDE AND BE ANCHORED WITH GRAVEL BAGS, OR SIMILAR, ON EACH END. A SPACER MUST BE PROVIDED FOR BETWEEN THE INLET OPENING AND THE PIPE TO ALLOW FOR OVERFLOW, PREVENT FLOODING AND TO PREVENT THE PIPE FROM FALLING INTO THE INLET.

CIVIL SITE PLANS PROVIDED FOR REFERENCE ONLY. SEE PERMIT B24906161.

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ORANGE COUNTY COMMENTS		CS	01/13/2025	BY
1				

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EROSION CONTROL DETAILS

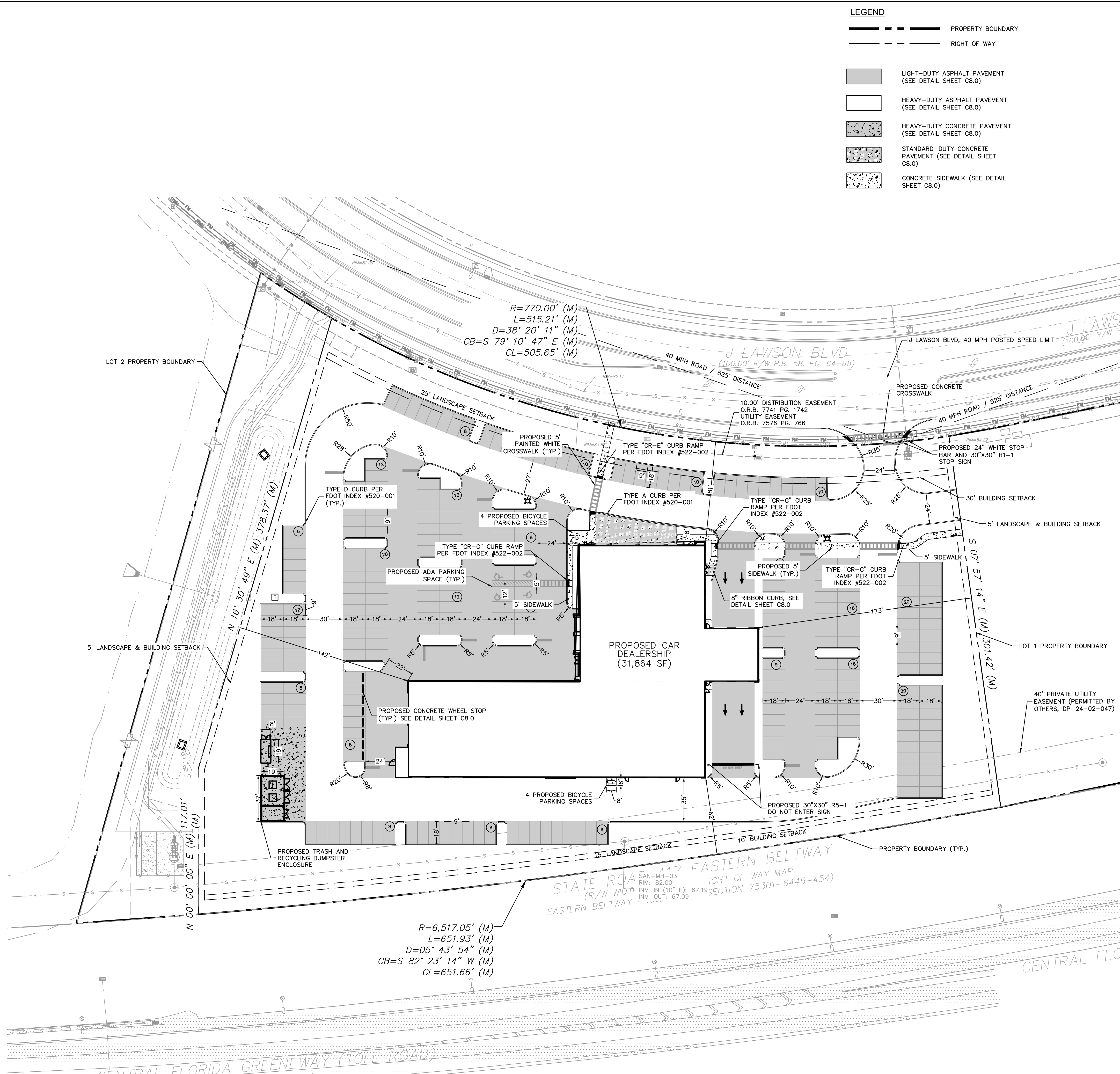
MASSEY CADILLAC SOUTH

FLORIDA

ORANGE COUNTY

SHEET NUMBER
C3.1

REVISIONS		DATE	BY
No.			



<u>SITE DATA</u>			
ZONING:	PD (GREENWAY PARK DRI/ PD)		
EXISTING USE:	VACANT COMMERCIAL		
PROPOSED USE:	C-2 (COMMERCIAL)		
SITE ACREAGE:	5.00 ACRES		
PROPOSED BUILDING AREA:	31,864 S.F.		
MAXIMUM ALLOWABLE HEIGHT:	35 FEET		
PROPOSED MAXIMUM BUILDING HEIGHT:	26 FEET		
BUILDING SETBACKS:	REQ'D	PROVIDED	
FRONT (NORTH):	30 FEET	81 FEET	
REAR (SOUTH):	10 FEET	62 FEET	
SIDE (WEST):	5 FEET	151 FEET	
SIDE (EAST):	5 FEET	173 FEET	
LANDSCAPE BUFFERS:			
FRONT (NORTH):	25 FEET	25 FEET	
REAR (SOUTH):	15 FEET	15 FEET	
SIDE (WEST):	5 FEET	5 FEET	
SIDE (EAST):	5 FEET	5 FEET	
FAR	MAX. ALLOWED:	0.500	
	PROVIDED:	0.146	
IMPERVIOUS COVERAGE:			
MAX. IMPERVIOUS COVERAGE PER GREENWAY PARK DRI/ PD = 85%			
TOTAL MAX. IMPERVIOUS COVERAGE (73%) = 5.00 AC * X 0.73 = 3.65 AC			
(PER SFMD PERMIT #48-01288-P)			
PROPOSED IMPERVIOUS AREA:			
BUILDING AREA =		0.74 AC	
PAVEMENT AREA =		2.79 AC	
POND AREA =		0.00 AC	
CONCRETE SIDEWALK AREA =		0.06 AC	
TOTAL PROPOSED IMPERVIOUS AREA:		3.59 AC (71.80%)	
TOTAL PROPOSED PERVIOUS AREA:		1.41 AC (28.20%)	
OPEN SPACE:			
MIN.	REQUIRED:	5 AC x 20% = 1.00 AC (PD REQUIREMENT)	
PROVIDED:			
CATEGORY A:		1.41 AC = (BUILDING PERIMETER, PARKING ISLANDS, MEDIANS	
		AND LANDSCAPE BUFFER)	
CATEGORY B:		0.00 AC (MAY NOT EXCEED 50% OF REQ.)	
CATEGORY C:		0.00 AC	
TOTAL:		1.41 AC (28.20%)	
REQUIRED PARKING:	REQUIRED	PROVIDED	
AUTO DEALERSHIP (31,864)=MIN=1/300SF	107 SPACES	259 SPACES	
*PER ORANGE COUNTY PARKING SPACE REQUIREMENTS, SECTION 38-1476			
PROPOSED PARKING:			
STANDARD PARKING (9'X18'):		254 SPACES	
STANDARD PARKING (12'X18'):		4 SPACES	
TOTAL PARKING PROVIDED:		259 SPACES	
REQUIRED BICYCLE PARKING:			
12 SPACES FOR 10 PARKING SPACES REQ'D +		12 SPACES	
SPACE PER 10 PARKING SPACES OVER 10			
BICYCLE PARKING PROVIDED:		8 SPACES (8 MAX PER	

ADJACENT ZONING & FUTURE LAND USE
NORTH – (GREENWAY PARK DRI/ PD)
EAST – (GREENWAY PARK DRI/ PD)
WEST – (GREENWAY PARK DRI/ PD)
SOUTH – SR 417 EASTERN BELTWAY

LANDSCAPE REQUIREMENTS:
ALL LANDSCAPING SHALL MEET OR EXCEED THE REQUIREMENTS OF CHAPTER 24
OF THE ORANGE COUNTY LAND DEVELOPMENT CODE.

GENERAL NOTES:

DURING CONSTRUCTION, WHEN COMBUSTIBLES ARE BROUGHT ON TO THE SITE, ACCESS ROADS AND A SUITABLE TEMPORARY OR PERMANENT SUPPLY OF WATER AVAILABLE TO THE FIRE DEPARTMENT SHALL BE PROVIDED AND MAINTAINED PER FFPC 8TH (NCPFA 1 AND 101 2023 EDITION).

SECTION 315-1227, ANY VARIATIONS FROM COUNTY CODE MINIMUM STANDARDS REPRESENTED ON THIS PLAN THAT HAVE NOT BEEN EXPRESSLY APPROVED BY THE BCC ARE INVALID.

ALL CONSTRUCTION DEBRIS OR DEMOLITION DEBRIS, OR WASTE MATERIAL FOUND ON SITE DURING CLEARING AND GRADING SHALL BE PROPERLY DISPOSED OF OFF-SITE ACCORDING TO THE SOLID WASTE AND LANDFILL ACT. THE ORANGE COUNTY SOLID WASTE HOTLINE AT 407-636-6601 FOR INFORMATION.

BICYCLE PARKING TYPE/SIZE AND DESIGN SHALL COMPLY WITH SECTION 38-1485 OF THE ORANGE COUNTY ZONING ORDINANCE. ALL SUBJECTS SHALL COMPLY WITH ALL STATE AND FEDERAL REGULATIONS REGARDING WILDFIRE AND PLANTS LISTED AS IMPERILED SPECIES (ENDANGERED, THREATENED, OR SPECIES OF SPECIAL CONCERN). THE APPLICANT IS RESPONSIBLE TO DETERMINE THE PRESENCE OF THESE CONCERNS AND IF NECESSARY, IF REQUIRED, ANY REQUIRED HABITAT PERMITTING OF THE U.S. FISH AND WILDLIFE SERVICE (USFWS) AND THE FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION (FWC).

ALL PAVEMENTS MARKINGS WILL BE THERMOPLASTIC.

DRIVEWAY CONNECTION(S) TO THE STREET INTERSECTION(S) AND DRIVEWAY CONNECTION(S) TO COMPLY WITH THE AMERICANS WITH DISABILITY ACT (ADA) AND WILL MEET FDOT DESIGN STANDARDS.

DETECTABLE WARNING SURFACE WILL BE REQUIRED AT ALL PLACES WHERE A PEDESTRIAN PATH MEETS VEHICLE TRAFFIC.

ALL CURB RUMPS SHALL BE DIRECTIONAL.

POLE SIGNS AND BILLBOARDS SHALL BE PROHIBITED. ALL OTHER SIGNAGE SHALL COMPLY WITH ORANGE COUNTY CODE SECTION 315.5 WITH THE EXCEPTION OF GROUND SIGNAGE. ALL SIGNAGE SHALL COMPLY WITH THE MASTER SIGN PLAN AND BCC GRANTED WAIVERS, AS MAY BE AMENDED.

COMMERCIAL RECYCLING WILL BE PROVIDED VIA RECYCLING DUMPMSTER IN THE NEARBY COMMUNITY DUMPMSTER AREA.


APPROVAL OF THIS DEVELOPMENT PLAN CONSTITUTES LOT SPLIT APPROVAL.

CIVIL SITE PLANS PROVIDED
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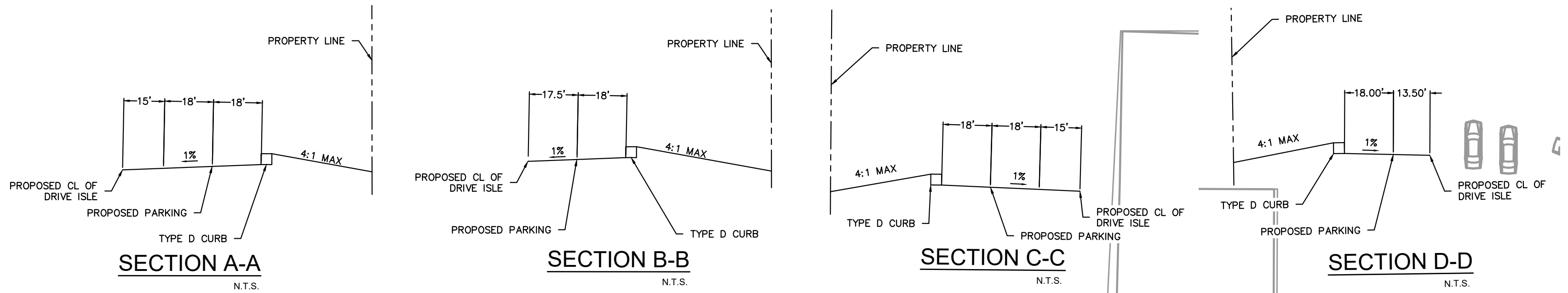
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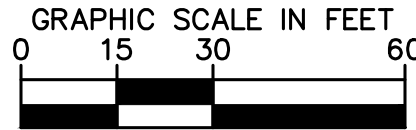
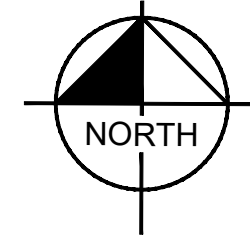
MASSEY CADILLAC SOUTH	SITE PLAN	KHA PROJECT 017427030	LICENSED PROFESSIONAL ENGINEER BRYAN TRAMER	Kimley»Horn © 2024 KIMLEY-HORN AND ASSOCIATES, INC. 200 S. ORANGE AVENUE, SUITE 600, ORLANDO, FL 32801 PHONE: 407-898-1511 WWW.KIMLEY-HORN.COM REGISTRY NO. 35106	1 ORANGE COUNTY COMMENTS	01/13/2025 CS	
ORANGE COUNTY FLORIDA		DATE 2/11/2025					
		SCALE AS SHOWN					
		DESIGNED BY CSS					
		DRAWN BY CSS					
		CHECKED BY LJJD					
SHEET NUMBER C4.0				No.	REVISIONS	DATE	BY

Plotted By: Sauer, Cole - Sheet Set: MASSEY CADILLAC SOUTH - LAYOUT: C5.0 PAVING, GRADING AND DRAINAGE PLAN - February 11, 2025 - 01:45:27pm - K:\ORL-GU\017427030-Massey Cadillac South CAD\CONST\PlanSheets\C5.0 - PAVING, GRADING AND DRAINAGE PLAN.dwg
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GENERAL NOTES:

- ALL STORM DRAIN INLETS CONSTRUCTED AS PART OF NEW DEVELOPMENT PROJECTS IN ORANGE COUNTY SHALL HAVE METAL MEDALLION INLET MARKERS INSTALLED. TEXT ON THE MARKER SHALL BE EVENLY SPACED AND READ "NO DUMPING, ONLY RAIN IN THE DRAIN". MARKERS MUST BE COMMERCIAL GRADE AND STAINLESS STEEL, ALUMINUM, BRASS OR BRONZE AND EITHER STAMPED FROM SHEET METAL OR CAST. METAL MARKER COLOR MUST BE NON-REFLECTIVE BLUE OR GREEN. AQUATIC CREATURE OR SYMBOL SHOWN ON MARKER SHALL BE CONSISTENT THROUGHOUT THE SUBDIVISION. MARKERS MUST BE AFFIXED TO A CLEAN, PREPARED SURFACE WITH ADHESIVES, FASTENERS, OR HEAT AS RECOMMENDED BY THE MANUFACTURER. MARKERS SHALL BE ALIGNED WITH THE CENTER OF DRAINAGE INLETS AT THE TOP OF THE CURB. LETTERING MUST BE BETWEEN 0.4 - 0.5 INCHES AND THE TOTAL DIAMETER OF THE MARKER BETWEEN 3.75 - 4.25 INCHES.
- PROPOSED GRADES TO MATCH EXISTING ELEVATIONS AT PROPERTY LINE UNLESS OTHERWISE NOTED AT 4H:1V MAXIMUM SLOPE.
- ALL PEDESTRIAN SIDEWALKS, PATHWAYS, AND CROSSWALKS SHALL BE CONSTRUCTED NOT TO EXCEED 2.0% CROSS SLOPE NOR 5% LONGITUDINALLY. GRADES IN ACCESSIBLE PARKING SPACES SHALL NOT EXCEED 2% IN ANY DIRECTION. IN CASES OF SIDEWALK LANDINGS AT BUILDING ENTRANCES, GRADES SHALL NOT EXCEED 2% IN ANY DIRECTION. ACCESSIBLE CURB RAMPS SHALL NOT EXCEED 6" IN LENGTH AND 1:12 SLOPE. LANDINGS AT CHANGES IN DIRECTION SHALL BE MINIMUM 60"x60" AND SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION.
- HANDICAP (HC) RAMPS MUST BE CONSTRUCTED AT THE STREET INTERSECTION(S) AND DRIVEWAY CONNECTION(S) TO COMPLY WITH THE AMERICANS WITH DISABILITY ACT (ADA) AND WILL MEET FDOT DESIGN STANDARDS.
- DETECTABLE WARNING SURFACE WILL BE REQUIRED AT ALL PLACES WHERE PEDESTRIAN PATH MEETS VEHICULAR PATH.
- HIGH EMPHASIS CROSSWALK PAVEMENTS MARKINGS WILL BE PER FDOT INDEX 711-001 AND WILL BE THERMOPLASTIC.



LEGEND

- PROPERTY BOUNDARY
- RIGHT OF WAY
- DIRECTION OF SURFACE WATER RUNOFF
- PROPOSED SPOT ELEVATION
- PROPOSED STORM PIPE
- PROPOSED STORM STRUCTURE
- EXISTING CONTOUR
- LIGHT-DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET C8.0)
- HEAVY-DUTY ASPHALT PAVEMENT (SEE DETAIL SHEET C8.0)
- HEAVY-DUTY CONCRETE PAVEMENT (SEE DETAIL SHEET C8.0)
- STANDARD-DUTY CONCRETE PAVEMENT (SEE DETAIL SHEET C8.0)
- CONCRETE SIDEWALK (SEE DETAIL SHEET C8.0)

STORM STRUCTURE TABLE

STRUCTURE NAME:	DETAILS:
D-1	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 82.59 W. INV OUT: 79.25 (15" SD)
D-2	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 82.90 E. INV IN: 78.69 (15" SD) W. INV OUT: 78.69 (24" SD)
D-3	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 83.12 E. INV IN: 78.04 (24" SD) W. INV OUT: 78.04 (24" SD)
D-4	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 82.93 E. INV IN: 77.74 (24" SD) W. INV OUT: 77.74 (24" SD)
D-5	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 83.68 S. INV IN: 80.20 (8" PVC) W. INV OUT: 79.94 (15" SD)
D-6	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 83.50 E. INV IN: 79.64 (15" SD) W. INV OUT: 79.64 (15" SD)
D-7	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 83.50 E. INV IN: 79.34 (15" SD) W. INV OUT: 79.34 (18" SD)
D-8	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 83.50 E. INV IN: 79.09 (18" SD) S. INV OUT: 79.09 (18" SD)
D-9	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 83.03 E. INV IN: 76.15 (24" SD) N. INV IN: 78.46 (18" SD) W. INV OUT: 76.15 (36" SD)
D-10	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 83.98 E. INV IN: 76.51 (24" SD) N. INV IN: 78.78 (8" PVC) W. INV OUT: 76.51 (24" SD)
D-11	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 84.32 N. INV IN: 78.92 (8" PVC) W. INV OUT: 77.30 (24" SD)
D-12	TYPE "D" INLET BUBBLE UP STRUCTURE TOP: 81.26 E. INV IN: 77.51 (24" SD)
D-13	TYPE "D" INLET BUBBLE UP STRUCTURE TOP: 80.04 E. INV IN: 75.21 (36" SD)
D-14	TYPE "D" INLET PER FDOT INDEX #425-052 TOP: 84.32 E. INV IN: 76.84 (24" SD) W. INV OUT: 76.84 (24" SD)

VERTICAL DATUM:

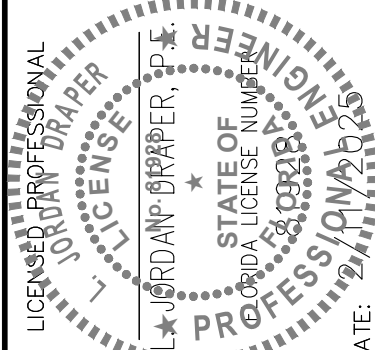
VERTICAL INFORMATION BASED ON: LANGAN CP-1 HAVING A PUBLISHED ELEVATION OF 81.25' (NAVD 88)
DESCRIBED AS: SET MAG NAIL WASHER STAMPED "LANGAN ENGINEERING, LBI172". BENCHMARKS ARE SHOWN AND DESCRIBED GRAPHICALLY ON THE SURVEY.

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KHA PROJECT
017427030
DATE
2/11/2025
SCALE AS SHOWN
DESIGNED BY
C5S
DRAWN BY
C5S
CHECKED BY
LJID
DATE

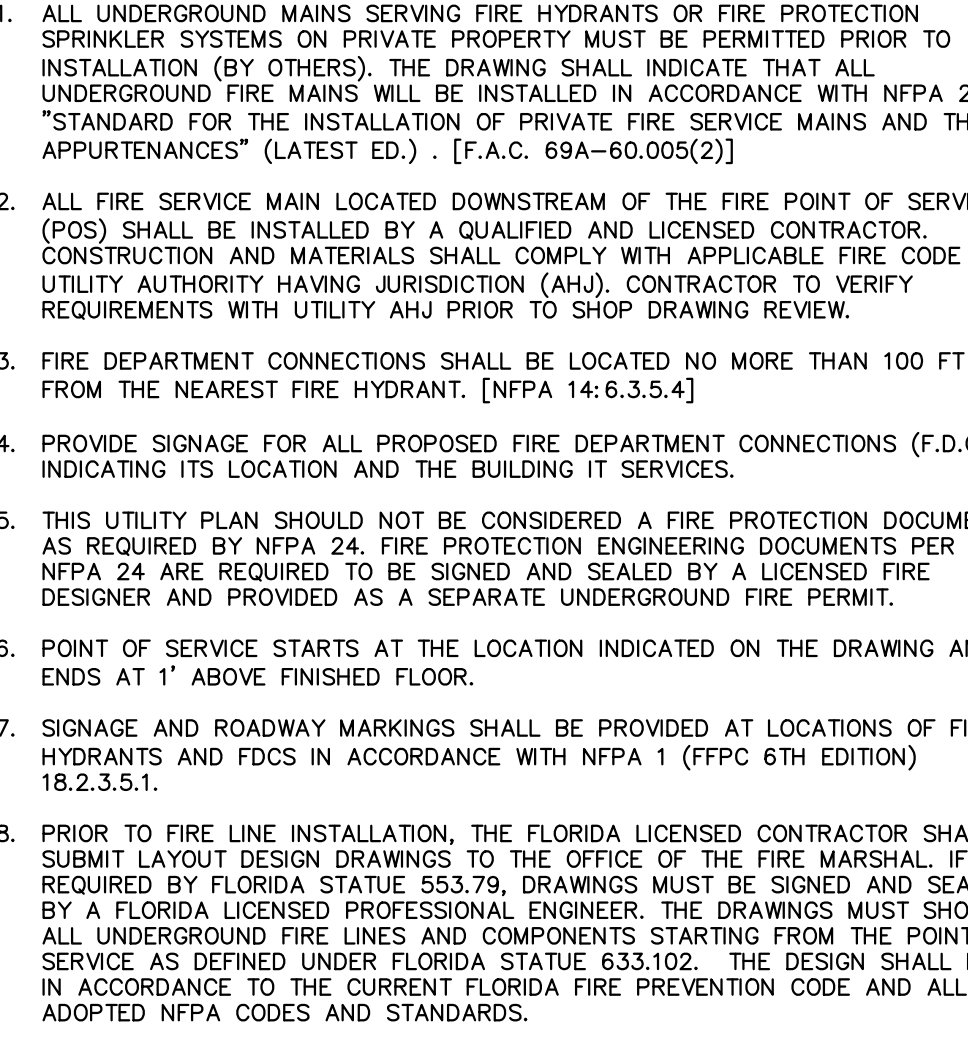
PAVING GRADING
AND DRAINAGE PLAN

MASSEY CADILLAC SOUTH

FLORIDA

ORANGE COUNTY

SHEET NUMBER
C5.0

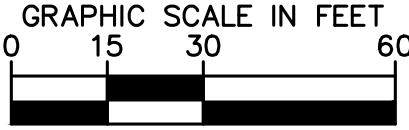
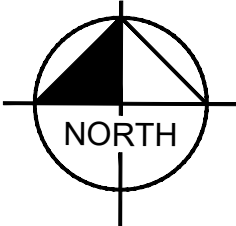
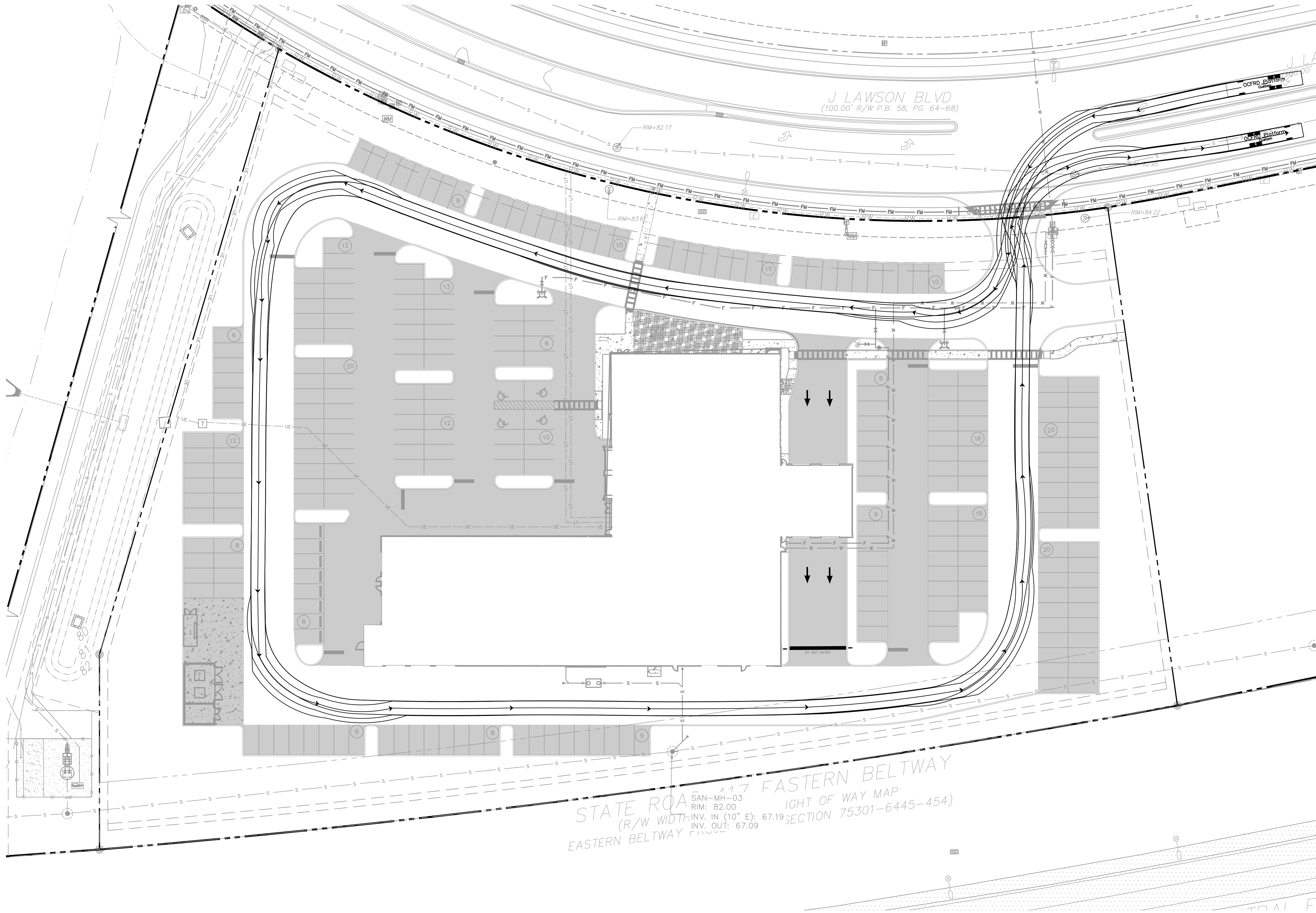


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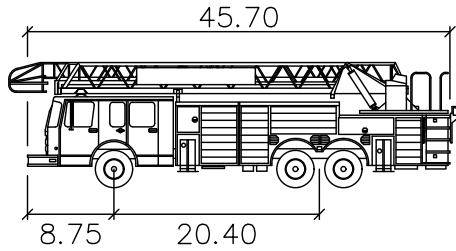


Plotted By: Sauer, Cole - Sheet Set: MASSEY CADILLAC SOUTH - Layout: DP5.0 - FIRE TRUCK ROUTING PLAN - February 11, 2025 01:46:34pm K:\ORL_CIVIL\017427030-Massey Cadillac South\CADD.CONST\PlanSheets\CD\07.0 - FIRE TRUCK ROUTING PLAN.dwg
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LEGEND

PROPERTY BOUNDARY



OCFRD Platform

Width: 45.70'
Track: 20.40'
Lock to Lock Time: 4.0 sec
Steering Angle: 44.2°
Min. Centerline Radius: 29'

CIVIL SITE PLANS PROVIDED
FOR REFERENCE ONLY. SEE
PERMIT B24906161.

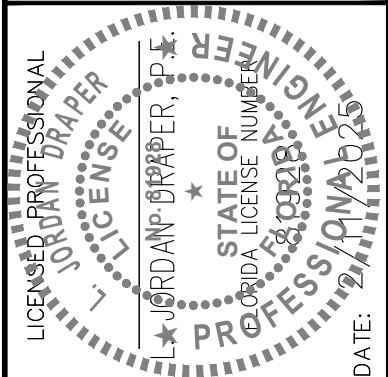
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ORANGE COUNTY COMMENTS	CS
1	
No.	DATE
	BY

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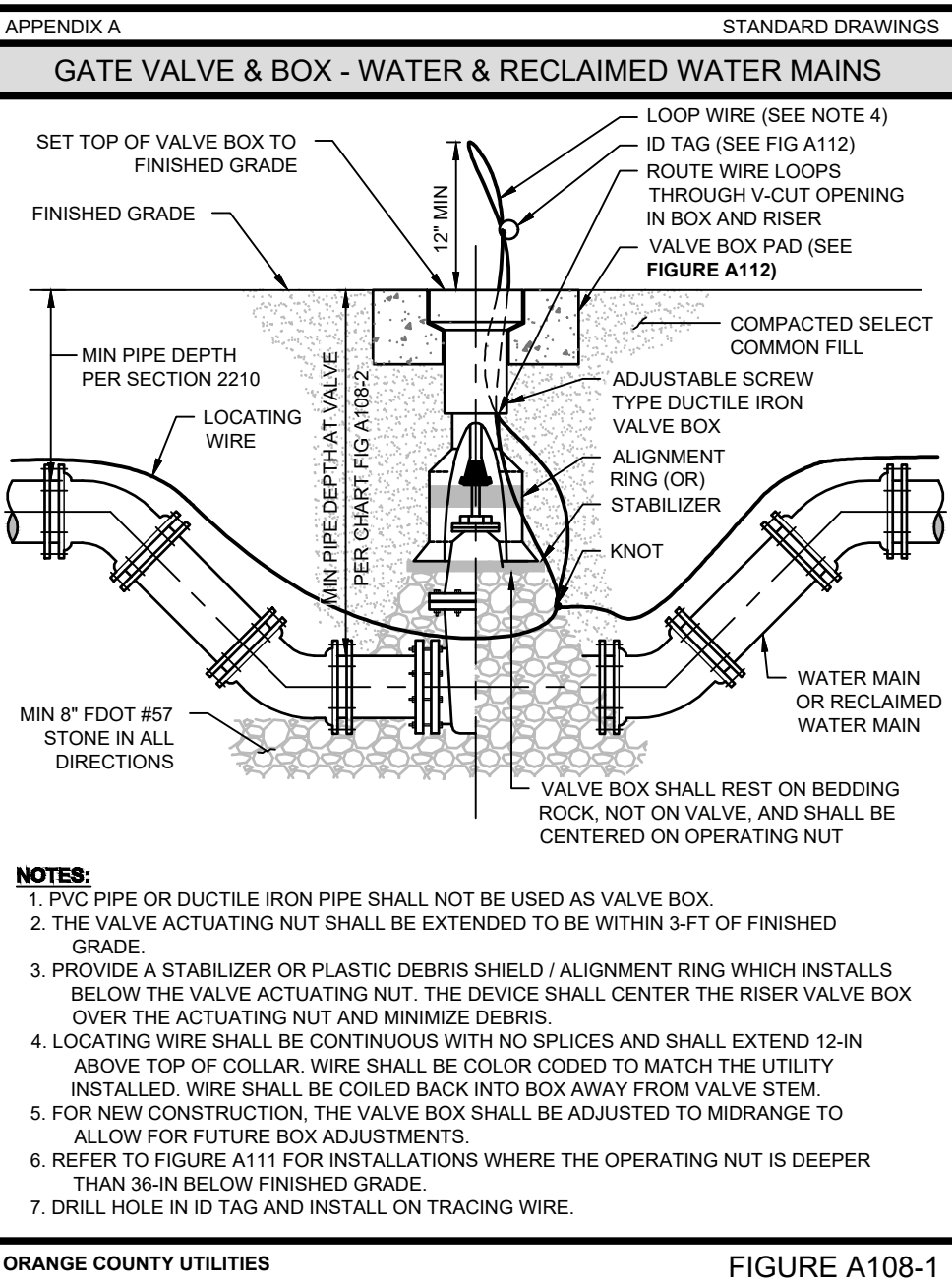
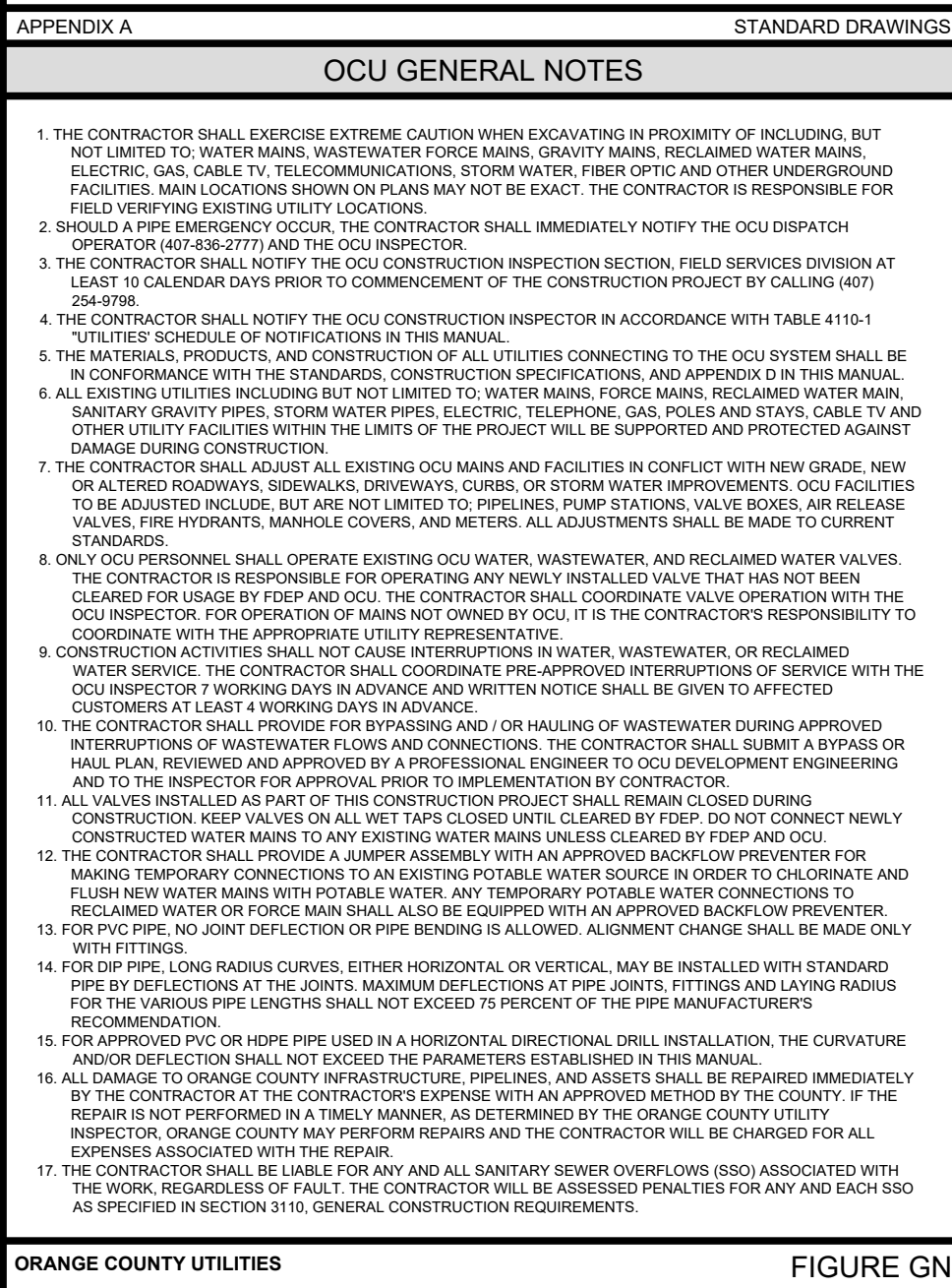
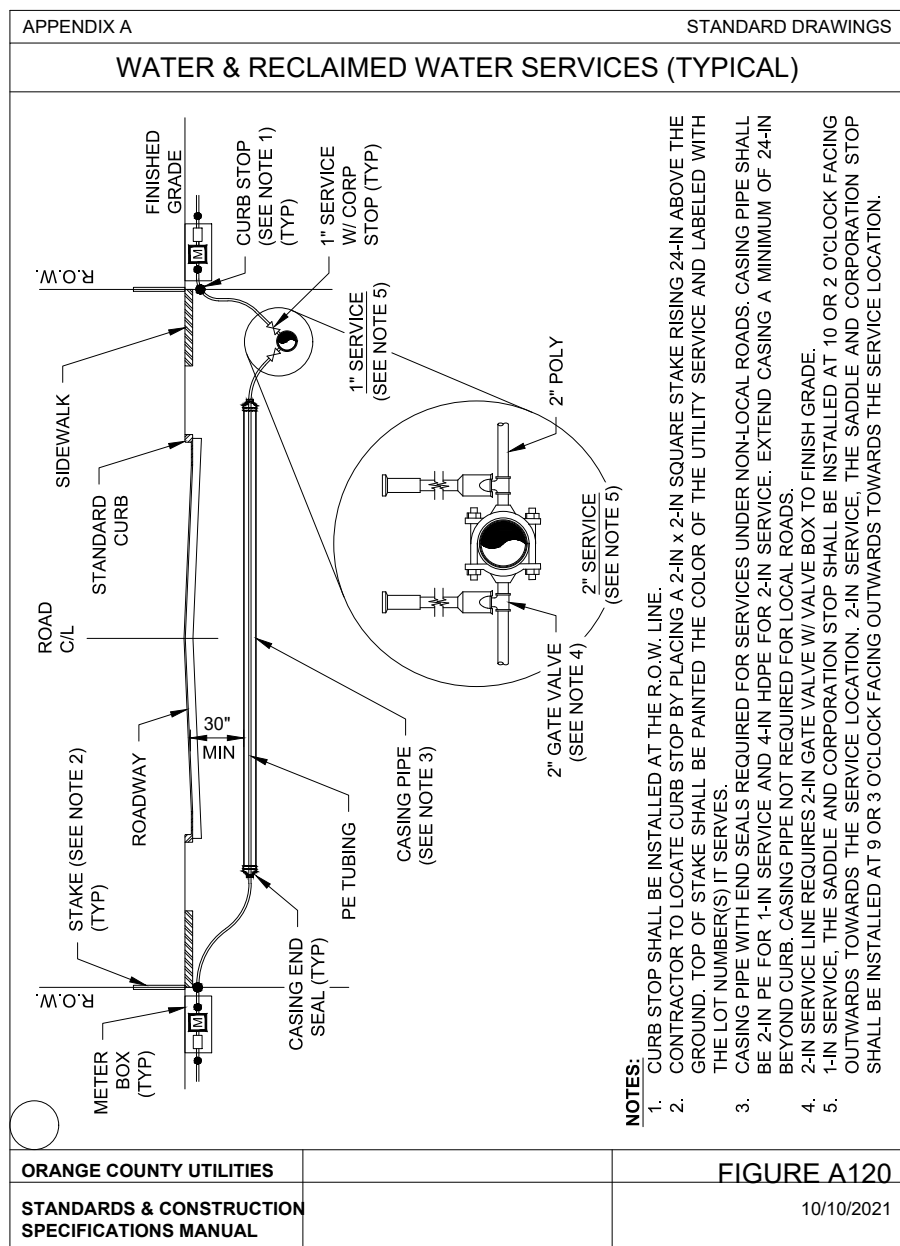
KHA PROJECT	DATE	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	LJID	DATE
017427030	2/11/2025	AS SHOWN	CSS	CSS			

**FIRE TRUCK
ROUTING PLAN**

MASSEY CADILLAC SOUTH

ORANGE COUNTY FLORIDA

SHEET NUMBER
C7.0



GATE VALVE & BOX - MINIMUM PIPE DEPTH AT VALVE PER MANUFACTURER		STANDARD DRAWINGS	
APPROVED APPENDIX D PRODUCTS VALVE SIZE (INCHES)	AMERICAN FLOW CONTROL	CLOW COMPANY	MUELLER COMPANY
	MIN COVER TO TOP OF PIPE (INCHES)	MIN COVER TO TOP OF PIPE (INCHES)	MIN COVER TO TOP OF PIPE (INCHES)
16	53	54	54
20	57	72	62
24	63	75	66
30	80	81	80
36	89	88	89
42	102	102	101
48	109	102	110
54	106		
60	122		
66	119		

APPENDIX A STANDARD DRAWINGS

BUTTERFLY VALVE & BOX - WATER & RECLAIMED WATER MAINS

Diagram illustrating the components and installation details of a Butterfly Valve & Box assembly for water and reclaimed water mains.

Labels and Dimensions:

- SET TOP OF VALVE BOX TO FINISHED GRADE
- FINISHED GRADE
- 4 MIN.
- ADJUSTABLE SCREW TYPE DUCTILE IRON VALVE BOX (SEE NOTE 6)
- BUTTERFLY VALVE
- MIN 8" FOOT #57 STONE IN ALL DIRECTIONS
- 12" MIN.
- LOOP WIRE (SEE NOTE 4)
- ID TAG (SEE FIG A112)
- ROUTE WIRE LOOPS THROUGH V-OUT OPENING IN BOX AND RISER
- VALVE BOX PAD (SEE FIGURE A112)
- COMPACTED SELECT COMMON FILL
- LOCATING WIRE
- KNOT IN LOCATING WIRE
- ALIGNMENT RING
- UNDISTURBED EARTH

NOTES:

- PVC PIPE OR DUCTILE IRON PIPE SHALL NOT BE USED AS VALVE BOX.
- THE VALVE ACTUATING NUT SHALL BE EXTENDED TO BE WITHIN 3/4" OF FINISHED GRADE.
- PROVIDE A STABILIZER OR PLASTIC DEBRIS SHIELD / ALIGNMENT RINGS WHICH INSTALLS BELOW THE VALVE ACTUATING NUT. THE DEVICE SHALL CENTER THE RISER VALVE BOX OVER THE ACTUATING NUT AND MINIMIZE DEBRIS.
- LOCATING WIRE SHALL BE CONTINUOUS WITH NO SPLICES AND SHALL EXTEND 12-IN ABOVE TOP OF COLLAR. WIRE SHALL BE COLOR CODED TO MATCH THE UTILITY INSTALLED. WIRE SHALL BE COILED BACK INTO BOX AWAY FROM VALVE STEM.
- FOR NEW CONSTRUCTION, THE VALVE BOX SHALL BE ADJUSTED TO MIDGE TO ALLOW FOR FUTURE BOX ADJUSTMENTS.
- REFER TO FIGURE A111 FOR INSTALLATIONS WHERE THE OPERATING NUT IS DEEPER THAN 36-IN BELOW FINISHED GRADE.
- DRILL HOLE IN ID TAG AND INSTALL ON TRACING WIRE.

ORANGE COUNTY UTILITIES

FIGURE A109

