

## 1. DEVELOPMENT INFORMATION

- A. PROJECT TITLE: SOL ACRES RURAL SUBDIVISION
- B. PROJECT DESCRIPTION: SOL ACRES IS A 7 LOT RURAL RESIDENTIAL SUBDIVISION ON 39.22 ACRES, WITH AN UNPAVED OPEN SWALE ROADWAY AND ASSOCIATED INFRASTRUCTURE IMPROVEMENTS.
- C. TAX PARCEL NO.: 05832-000-000
- D. SEC/TOWN/RANGE: 17-08-19
- E. ZONING: AGRICULTURAL (A)
- F. FUTURE LAND USE (PER ALACHUA COUNTY FLU MAP): RURAL/AGRICULTURAL

2. LOCATION OF SUBJECT PROPERTY; SEE LOCATION MAP THIS SHEET

### 3. CONTACT INFORMATION

- A. PROPERTY OWNER/DEVELOPER: BRUCE SHERMAN, (352) 222-7257
- B. CONSULTANT ENGINEER/PLANNER: JBROWN PROFESSIONAL GROUP INC., CONTACT: LOGAN B. PETERS, PE, (352) 375-8999
- C. SURVEYOR: JBROWN PROFESSIONAL GROUP INC., CONTACT: RICHARD L. WHITE, PLS, (352) 375-8999

#### 4. ADDITIONAL DESIGN DATA

- A. TREE CANOPY REQUIREMENT: SEE SHEET C1.2 TREE CANOPY PLAN

EXISTING TREE CANOPY CALCULATIONS WERE PERFORMED PER ULDC SECTION 406.12(o) 3.4,5(A-K) UTILIZING A 2023 GOOGLE EARTH AERIAL IMAGE AND THE RECENT TOPOGRAPHIC TREE SURVEY. THE EXISTING TREE CANOPY IS DELINEATED ON THE TREE CANOPY PLAN.

- a. REGULATED TREE CANOPY = 449,406.90 SF (10.32 AC)
- b. MINIMUM CANOPY TREE CANOPY REQUIREMENT IS 20% OF EXISTING CANOPY = 449,406.90 SF X 0.20 = 89,881.38 SF (2.06 AC)
- c. ESTIMATED EXISTING TREE CANOPY TO BE PRESERVED = 442,951.10 SF (10.17 AC)
- d. PERCENT CANOPY RETAINED = 10.17 AC / 10.32 AC X 100 = 98.55%

## 5. DEVELOPMENT SITE AREA

USE	AREA	PERCENTAGE
TOTAL PROJECT AREA	1,708,423.20 SF (39.22 AC)	100.0%
TOTAL EXISTING BUILDING AREA	1,690.32 SF (0.04 AC)	0.001%
TOTAL EXISTING PAVEMENT AREA	3,325.67 SF (0.08 AC)	0.002%
TOTAL EXISTING IMPERVIOUS AREA	5,015.99 SF (0.12 AC)	0.003%
TOTAL PROPOSED BUILDING AREA	36,400 SF (0.84 AC)	0.021%
TOTAL PROPOSED PAVEMENT AREA	0 SF (0.00 AC)	0.0%
TOTAL PROPOSED IMPERVIOUS AREA (DIRT ROAD)	24,420.70 SF (0.56 AC)	0.014%

#### A. ACCESSIBILITY

SITE IS LOCATED ON CR 22, A PUBLICLY-MAINTAINED ROAD. SITE IS LINKED TO PUBLIC ROADS, ACCESSIBLE BY PEDESTRIANS AND BIKES.

## B. OUTDOOR LIGHTING

NO OUTDOOR LIGHTING IS PROPOSED.

## 6. LOT/BUILDING REQUIREMENTS

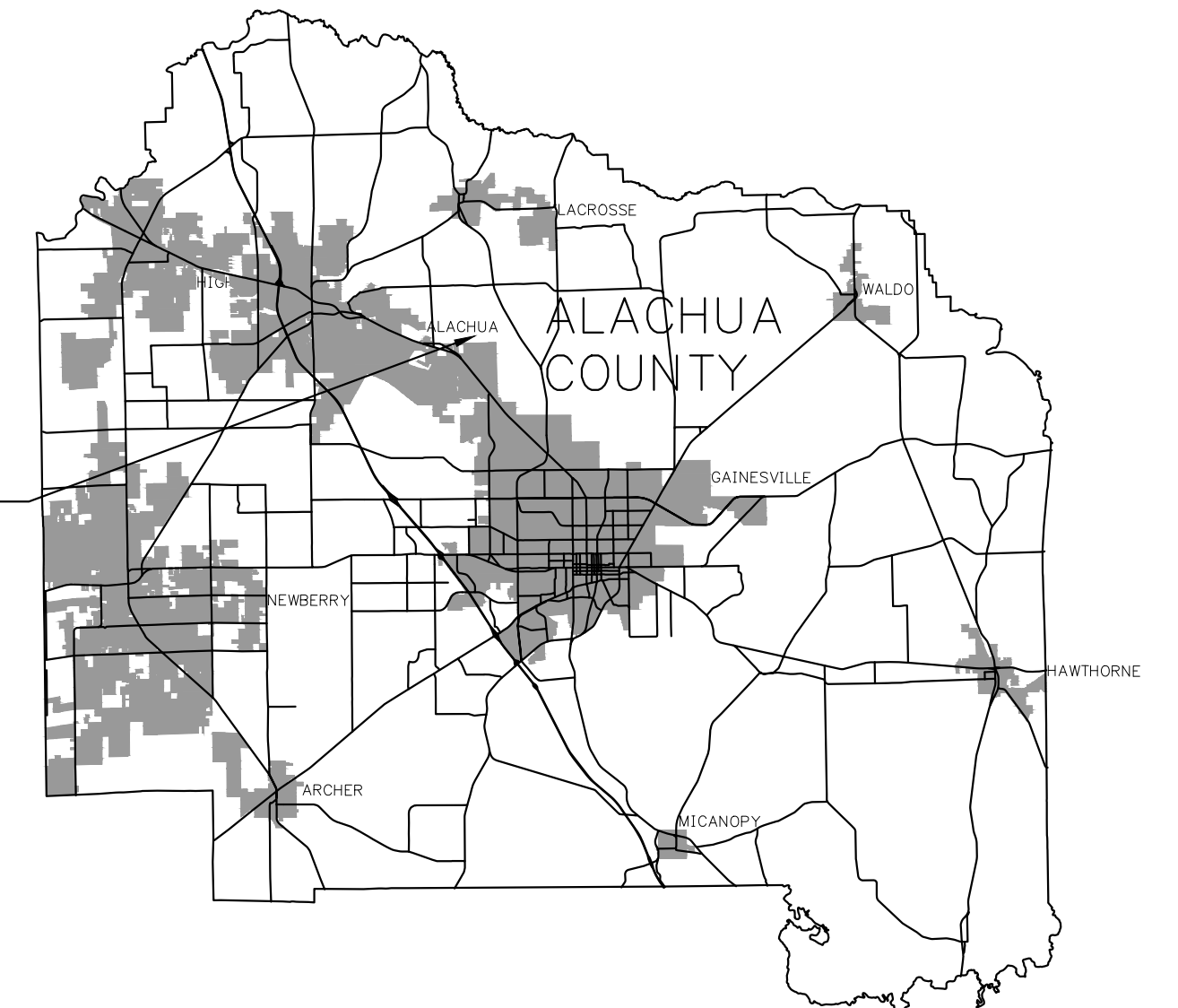
### A. MINIMUM DIMENSIONS

1. AREA = 3 ACRES
2. MAXIMUM BUILDING COVERAGE = 20%
3. RESIDENTIAL STRUCTURE HEIGHT = 35 FT

## B. SETBACKS

1. FRONT = 40 FT
2. REAR = 40 FT
3. SIDE (INTERIOR) = 20 FT
4. SIDE (STREET) = 40 FT

## GENERAL LOCATION



## GENERAL COUNTYWIDE LOCATION MAP

(INCORPORATED AREAS SHOWN SHADED)  
NTS



## LOCATION MAP

SOL ACRES RURAL SUBDIVISION	
SHEET INDEX	
SHEET NO.	TITLE
C0.0	COVER SHEET
C0.1	LEGEND, ABBREVIATIONS, AND NOTES
C0.2	STORMWATER POLLUTION PREVENTION PLAN
C1.0	DEMOLITION AND TREE PROTECTION PLAN
C1.1	EROSION AND SEDIMENTATION CONTROL PLAN
C1.2	TREE CANOPY PLAN
C2.0	MASTER PLAN
C3.0	POST-DEVELOPMENT MASTER DRAINAGE PLAN
C3.1	PAVING, GRADING, AND DRAINAGE PLAN
C4.0	TYPICAL ROADWAY SECTIONS
C4.1	ROADWAY PLAN AND PROFILE
C4.2	ROADWAY PLAN AND PROFILE
C4.3	ROADWAY PLAN AND PROFILE
C4.4	DRIVEWAY CONNECTION DETAIL
C5.0	UTILITY PLAN
C6.0	DETAILS AND NOTES
RP.1 – RP.3	RECORD PLAT
SUR 1 – SUR 6	BOUNDARY & TOPOGRAPHIC SURVEY
L1.1 – L2.1	LANDSCAPE PLANS

[illegible]

ENGINEER OF RECORD:	LOGAN B. PETERS, PE FLORIDA LICENSE NO. 88516
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3530 NW 43rd Street | Gainesville, Florida 32606  
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SHEET TITLE:
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COVER SHEET

CLIENT:

BRUCE SHERMAN  
GAINESVILLE, FL

PROJECT:
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# SOL ACRES RURAL SUBDIVISION

DATE: **OCTOBER 2023**

PROJECT NO:  
**560-22-01**

SHEET NO:

# C0.0

1. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING UTILITIES WITHIN THE WORK LIMITS OF ALL IMPROVEMENTS. THE CONTRACTOR IS ALSO RESPONSIBLE FOR PROTECTING ALL EXISTING UTILITIES DURING CONSTRUCTION. IN THE EVENT THAT A UTILITY CONFLICT OCCURS, CONTRACTOR SHALL NOTIFY THE ENGINEER AND UTILITY PROVIDER TO COORDINATE REMEDIAL ACTION.
2. THE ALACHUA COUNTY PUBLIC WORKS (ACPW) SHALL BE NOTIFIED 24 HOURS IN ADVANCE FOR INSPECTION OF PERTINENT STAGES OF CONSTRUCTION WITHIN THEIR RESPECTIVE R/W; SUBSOIL PREPARATION, LIMEROCK PLACEMENT, INSPECTION OF THE SWEET LIMEROCK BASE PRIOR TO THE PLACEMENT OF ASPHALT, AND OTHERS AS REQUIRED FOR APPROVAL.
3. IF UNDERDRAINS ARE NECESSARY, THE ALACHUA COUNTY PUBLIC WORKS, DURING FIELD INSPECTION, SHALL DETERMINE THE EXACT LOCATION AND REQUIREMENTS. THE CONTRACTOR SHALL INSTALL UNDERDRAINS AS REQUIRED.
4. WHERE SUBSOIL EXCAVATION IS REQUIRED, THE LIMITS OF EXCAVATION SHALL BE A MINIMUM OF 24" BELOW THE LIMEROCK BASE. EXACT LOCATIONS OF SUBSOIL EXCAVATION SHALL BE AS DIRECTED BY THE ALACHUA COUNTY PUBLIC WORKS OR THE GEOTECHNICAL ENGINEER.
5. CONTRACTOR SHALL DISPOSE OF SUBSOIL EXCAVATED MATERIALS (UNSUITABLE FOR FILL) OFF SITE TO A PERMITTED LOCATION OR PER AN APPROVED DISPOSAL PLAN AND LOCATION SITE.
6. CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ALL FOREIGN DEBRIS AND MATERIAL OFFSITE. DISPOSAL METHODS AND LOCATIONS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS AND REQUIREMENTS.
7. THE CONTRACTOR SHALL FURNISH/INSTALL ALL STREET SIGNS, ALL ASSOCIATED COSTS WILL BE BORNE BY THE DEVELOPER. THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ALL REQUIRED STRIPING, STOP BARS, ECT.
8. EXISTING TOPOGRAPHY INFORMATION DEPICTED IS BASED ON THE BOUNDARY & TOPOGRAPHIC SURVEY CONDUCTED BY JBPRO ON 06/13/2022. THE CONTRACTOR SHALL VERIFY ALL EXISTING ELEVATION GRADES AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES THAT WILL AFFECT FINISH GRADE DESIGN FOR PROPER RUNOFF CONDITIONS PRIOR TO CONSTRUCTION. JBPRO WILL ASSIST THE CONTRACTOR IN REVISING ANY GRADING DISCREPANCIES PRIOR TO CONSTRUCTION TO PREVENT PROPER GRADING AND RUNOFF CONDITIONS RESULT UPON COMPLETION OF CONSTRUCTION.
9. ALL STRUCTURES SHALL ADHERE TO THE 2020 FLORIDA BUILDING CODE(S), THE 2020 NATIONAL ELECTRIC CODE AND THE 2020 FLORIDA FIRE PREVENTION CODE, AS AMENDED.
10. PAD ELEVATIONS REFER TO THE TOP OF A COMPACTED BUILDING PAD, SPECIFIED TO BE 6" BELOW FFE PER HOME BUILDERS REQUIREMENTS.
11. MIN FFE REFERS TO THE MINIMUM ELEVATION OF THE BUILDING FOUNDATION.

1. ALL DRAINAGE CONSTRUCTION, INCLUDING MATERIALS, CONSTRUCTION TECHNIQUES, AND TECHNICAL STANDARDS, SHALL BE IN ACCORDANCE WITH THE FOOT FY 2023-24 STANDARD PLANS.
2. ALL AREAS OF NEW CONSTRUCTION SHALL BE CLEANED AND GRUBBED, TOP SOIL REMAINING ONSITE MAY BE STOCKPILED FOR FINE GRADING IN LANDSCAPED AREAS. IF SUITABLE, THE CONTRACTOR SHALL FURNISH ALL FILL REQUIRED AND DISPOSE OF ALL EXCESS OR UNSUITABLE MATERIAL OFFSITE IN ACCORDANCE WITH ALL REGULATORY REQUIREMENTS. TREES TO REMAIN SHALL BE PROTECTED PRIOR TO STARTING CONSTRUCTION AND SHALL BE PROTECTED THROUGHOUT SITE CONSTRUCTION.
3. ALL SLOPES OF 4:1 OR GREATER SHALL BE SODDED.
4. ALL TESTING REPORTS AND ASPHALT DESIGN REPORTS MUST BE SUBMITTED FOR APPROVAL BY THE ALACHUA COUNTY PRIOR TO ANY PAVEMENT INSTALLATION.

1. PRIOR TO CONSTRUCTION INSTALLATION OF SPECIFIC WORK SCOPE ITEMS THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS AND SUBMITTAL INFORMATION TO THE EOR FOR REVIEW AND APPROVAL. THESE SUBMITTALS SHALL INCLUDE SOURCE PROVIDER, MANUFACTURER, LITERATURE, CUTTING LIST, DIMENSIONED DRAWINGS, FABRICATION DRAWINGS, SKETCHES, DETAILS AND ANY OTHER INFORMATION NECESSARY FOR THE EOR TO REVIEW AND APPROVE AS TO COMPLIANCE WITH THE DESIGN DRAWINGS AND SPECIFICATIONS.
2. THE FOLLOWING SCOPE ITEMS SHALL REQUIRE SUBMITTALS:
  - A. STORM SEWER STRUCTURES, PIPING AND APPURTENANCES
  - B. EROSION CONTROL MATERIALS AND DEVICES
  - C. ELECTRICAL EQUIPMENT, MATERIALS AND APPURTENANCES
  - D. EARTHWORK SOIL IMPORT SOURCE
  - E. GRASSING / SOD TYPE AND SOURCE
3. MATERIALS SHALL NOT BE DELIVERED ONSITE OR INSTALLED UNTIL SUBMITTAL APPROVAL IS PROVIDED BY THE EOR OR EOR'S REPRESENTATIVE.
4. CONTRACTOR IS RESPONSIBLE FOR ANY COST INCURRED TO REVISE ANY WORK COMPLETED PRIOR TO SUBMITTAL APPROVAL. THE OWNER OR EOR ARE NOT RESPONSIBLE FOR COSTS INCURRED IF ANY MATERIALS ARE PURCHASED, DELIVERED OR INSTALLED PRIOR TO SUBMITTAL REVIEW AND APPROVAL.
5. THE CONTRACTOR SHALL PROVIDE A LIST OF SUB-CONTRACTORS THAT WILL BE PERFORMING ANY PHASES OF WORK ON THE PROJECT. THE LIST SHALL INCLUDE NAME OF COMPANY, ADDRESS, PHONE NUMBERS, AND EMAIL ADDRESSES OF INDIVIDUALS RESPONSIBLE FOR THE PROJECT CONSULTANTS WORK. THE CONTRACTOR SHALL PROVIDE CONTACT INFORMATION FOR THE INDIVIDUALS IN RESPONSIBLE CHARGE OF PERFORMING THE WORK IN THE FIELD.

1. THE METHOD AND MANNER OF PERFORMING THE WORK AND THE QUALITIES OF MATERIALS FOR CONSTRUCTION WITHIN THE RIGHT-OF-WAY (C.R. 22/ 156TH AVE) SHALL CONFORM TO THE REQUIREMENTS SPECIFIED BY THE ALACHUA COUNTY PUBLIC WORKS DEPARTMENT.
2. NO WORK SHALL BE DONE NOR MATERIALS USED IN THE RIGHT-OF-WAY WITHOUT INSPECTION BY ALACHUA COUNTY PUBLIC WORKS (352-462-2147). THE CONTRACTOR SHALL FURNISH ACPW WITH EVERY REASONABLE FACILITY FOR ASCERTAINING WHETHER THE WORK PERFORMED AND MATERIALS USED ARE IN ACCORDANCE WITH THE REQUIREMENTS AND THE INTENT OF THE PLANS AND SPECIFICATIONS.
3. ALACHUA COUNTY PUBLIC WORKS RESERVES THE RIGHT TO MODIFY THE PROPOSED WORK WITHIN THEIR RIGHT-OF-WAY TO ENSURE COMPATIBILITY WITH EXISTING IMPROVEMENTS. SUCH MODIFICATION COSTS SHALL BE BORN BY THE CONTRACTOR.
4. TRAFFIC CONTROL WITHIN EXISTING RIGHT-OF-WAY SHALL BE IN ACCORDANCE WITH LATEST MUTCD OR FDOT STANDARDS FOR CONTROL OF TRAFFIC THROUGH WORK ZONES.
5. ANY CONSTRUCTION IN THE ALACHUA COUNTY PUBLIC RIGHT-OF-WAY WILL REQUIRE PERMITS FROM THE PUBLIC WORKS DEPARTMENT PRIOR TO BEGINNING WORK. A MOT PERMIT IS REQUIRED FOR ANY ACTIVITY IN THE RIGHT-OF-WAY THAT EITHER DIRECTLY OR INDIRECTLY AFFECTS VEHICULAR OR PEDESTRIAN TRAFFIC.
6. THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC (MOT) PLAN TO THE ALACHUA COUNTY PUBLIC WORKS DEPARTMENT FOR MOT PERMIT APPROVAL PRIOR TO CONSTRUCTION WITHIN THE RIGHT-OF-WAY.
7. OPEN CUT RESTORATION SHALL BE PERFORMED IN ACCORDANCE WITH FDOT INDEX 125-001, AND USING THE FLOWABLE FILL OPTION.

**1. MAINTENANCE RESPONSIBILITY.**

SOL ACRES HOMEOWNERS ASSOCIATION, INC. SHALL BE THE ENTITY RESPONSIBLE FOR THE MAINTENANCE OF THE MASTER STORMWATER MANAGEMENT SYSTEM. ALACHUA COUNTY PUBLIC WORKS SHALL BE THE ENTITY RESPONSIBLE FOR MAINTAINING THE STORMWATER MANAGEMENT SYSTEM WITHIN THE COUNTY RIGHT-OF-WAY AND DESIGNATED DRAINAGE EASEMENTS

**2. MAINTENANCE PLAN NOTES:**

A. STORM PIPES AND DRAINAGE STRUCTURES SHALL BE INSPECTED SEMI-ANNUALLY FOR STRUCTURAL SOUNDNESS AND OPERATIONAL FUNCTION. ANY DEFECTS DISCOVERED SHOULD BE REPAIRED TO ORIGINAL DESIGN CONDITION.

B. ANY LANDSCAPING PROVIDED FOR EROSION CONTROL SHALL BE MAINTAINED IN A SOUND CONDITION AT ALL TIMES AND SHALL BE REMOVED OR REPLACED IF NOT FUNCTIONING PROPERLY.

C. ANY REPLACEMENT PLANTINGS SHALL BE NATIVE VEGETATION.

D. THE STORMWATER MANAGEMENT AREA MAY BE TREATED FOR WEEDS WITH THE USE OF HERBICIDES. PESTICIDES MAY ALSO BE USED. PESTICIDES SHOULD ONLY BE USED IF A PEST IS IDENTIFIED AS CAUSING A DECLINE IN THE HEALTH OF THE BASIN LANDSCAPING. REMEDIATION AND PESTICIDE USE SHALL CONFORM TO THE MANUFACTURER'S INSTRUCTIONS AND SHALL ADHERE TO ALL FEDERAL, STATE, AND LOCAL REGULATIONS.

E. MAINTENANCE SHALL INCLUDE THE REMOVAL AND REPLACEMENT OF VEGETATION WHICH IS DEAD OR DYING OR VEGETATION TO BE A DETRIMENT TO THE FUNCTIONING OF THE STORMWATER MANAGEMENT AREA.

F. IN THE EVENT A SINKHOLE OR OTHER GEOLOGICAL FEATURE DEVELOPS, THE OWNER SHALL CONTRACT WITH A CIVIL ENGINEERING OR GEOTECHNICAL ENGINEERING CONSULTING FIRM TO DIRECT THE OWNER TO AN APPROPRIATE REMEDIATION CONSTRUCTION TECHNIQUE TO PLUG OR STABILIZE THE FEATURE AND PREVENT GROUNDWATER CONTAMINATION. THE REMEDIATION CONSTRUCTION TECHNIQUES SHALL FOLLOW GENERALLY ACCEPTED METHODOLOGIES FOR KARST FEATURE REPAIRS AS OUTLINED BY THE SUWANNEE RIVER WATER MANAGEMENT DISTRICT (SRWMD). THE SRWMD SHALL BE NOTIFIED OF ANY EVENT OCCURRING AND THE REMEDIATION MEASURES TAKEN TO CORRECT THE GEOLOGIC FEATURE.

G. ALL CONDITIONS OF THE SRWMD ENVIRONMENTAL RESOURCE PERMIT (ERP) SHALL BE ADHERED TO INCLUDING REQUIRED INSPECTIONS AND REPORTING.

1. THE CONTRACTOR IS REQUIRED TO FILE THE FLORIDA DEPT. OF ENVIRONMENTAL PROTECTION (FDEP) NOTICE OF INTENT (NOI) TO USE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES (CPG) (RULE 62-621.300(4), F.A.C.). CONSTRUCTION AND OPERATION SHALL NOT COMMENCE PRIOR TO OBTAINING MULTIPLE BMP'S OR ACKNOWLEDGEMENT LETTER FROM FDEP VERIFYING THE NOI IS COMPLETE, THE PROJECT IS COVERED BY THE GENERIC PERMIT, AND THE PROPERTY IDENTIFICATION NO. IS ESTABLISHED. THE CONTRACTOR SHALL PROVIDE A COPY OF THE NOI AND THE ACKNOWLEDGEMENT LETTER TO THE PROJECT OWNER WITH A COPY OF THE FDEP ACKNOWLEDGEMENT LETTER VERIFYING COVERAGE.
2. THE CONTRACTOR SHALL ABIDE BY THE REQUIREMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND CPG AT ALL TIMES THROUGHOUT CONSTRUCTION, AND UTILIZE ALL APPROPRIATE BEST MANAGEMENT PRACTICES (BMP'S) AS REQUIRED TO PREVENT EROSION AND SEDIMENTATION DISCHARGE OFFSITE DURING CONSTRUCTION.
3. EROSION AND SEDIMENTATION CONTROL BMP'S SHALL BE IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENTATION CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013, OR LATEST UPDATE. THE CONTRACTOR IS RESPONSIBLE TO UTILIZE ALL BMP'S NECESSARY TO PREVENT EROSION AND SEDIMENTATION DISCHARGE OFFSITE DURING CONSTRUCTION BY OTHER MEANS AND METHODS DEEMED APPROPRIATE TO CONTROL EROSION AND SEDIMENTATION DISCHARGE.
4. THE CONTRACTOR SHALL UTILIZE A STATE OF FLORIDA CERTIFIED EROSION & SEDIMENTATION CONTROL (ESC) INSPECTOR DURING CONSTRUCTION TO ABIDE BY THE TERMS OF THE NOI PERMIT COVERAGE. AT A MINIMUM THE CERTIFIED INSPECTOR SHALL INSPECT THE CONSTRUCTION PROJECT AT THE FOLLOWING TIMES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING GEOTECHNICAL TESTING FOR EACH SPECIFIED DESIGN COURSE, SUBGRADE, BASE COURSE, AND PAVEMENT. TESTING REQUIREMENTS SHALL BE PERFORMED IN ACCORDANCE WITH THE CITY OF ALACHUA PUBLIC SECTOR CONSTRUCTION AND INSPECTION STANDARDS AND FDOT CONSTRUCTION AND INSPECTION STANDARDS. TESTING RESULTS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER FOR REVIEW AND APPROVAL OF CONFORMANCE TO DESIGN SPECIFICATIONS PRIOR TO CONSTRUCTION OF THE SUBSEQUENT COURSE.
2. IN THE EVENT THE CONTRACTOR PROCEEDS TO THE NEXT COURSE PRIOR TO SUBMITTING AND RECEIVING APPROVAL OF THE TEST RESULTS, THE CONTRACTOR SHALL BE REQUIRED TO REMOVE, AND RECONSTRUCT ANY WORK NECESSARY TO BRING ALL DESIGN COURSES INTO COMPLIANCE WITH THE DESIGN SECTION SPECIFICATIONS.
3. TESTING REPORTS WITH GEOTECHNICAL TESTING RESULTS SHALL DENOTE THE TESTING LOCATIONS.
4. TESTING ALONG ROADWAYS SHALL BE PROVIDED AT A MINIMUM 200 LF SPACING.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING GEOTECHNICAL TESTING FOR ALL MATERIAL USED ON RESIDENTIAL HOME SITES. TESTING RESULTS SHALL BE PROVIDED TO THE OWNER AND THE ENGINEER FOR REVIEW AND APPROVAL.

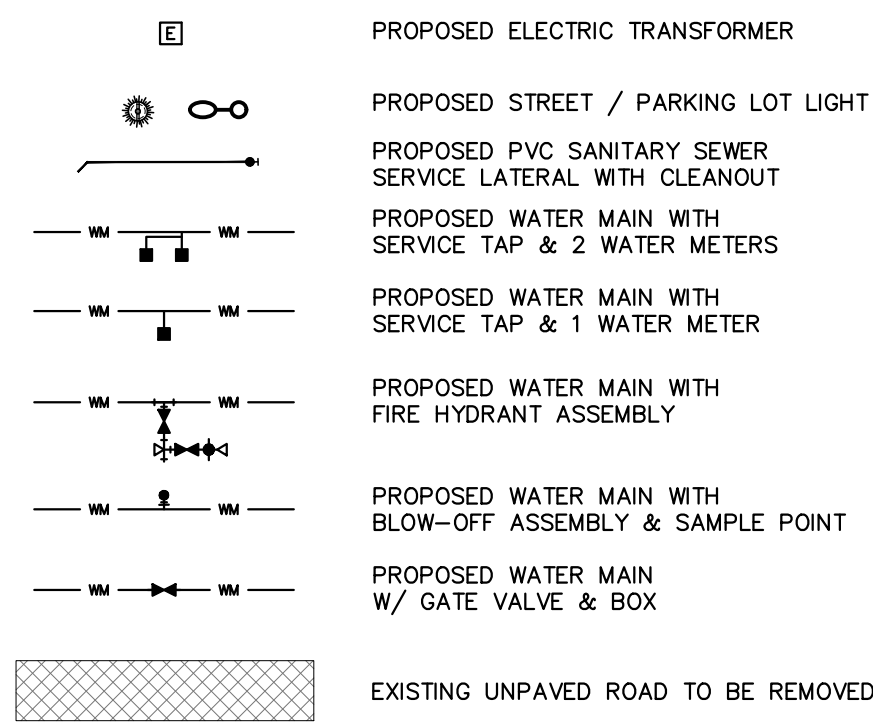
ENGINEER OF RECORD:	<b>LOGAN B. PETERS, PE</b> <b>FLORIDA LICENSE NO. 88516</b>
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MAX	MAXIMUM
MES	MITERED END SECTION
MH	MANHOLE
MIN	MINIMUM
MO	MONTH
N	NORTH
N/A	NOT APPLICABLE
NE	NORTH EAST
NG	NATURAL GRADE
NIC	NOT IN CONTRACT
NO	NUMBER
NTS	NOT TO SCALE
NW	NORTH WEST
OC	ON CENTER
PCPE	PERFORATED CORRUGA
PE	POLYETHYLENE PIPE
POB	POINT OF BEGINNING
POE	POINT OF ENDING
PL	PROPERTY LINE
PRVT	PRIVATE
PRI	PRIMARY
PSI	POUNDS PER SQUARE
PT	PRESSURE TREATED (N
PUD	PLANNED URBAN DEVE
PVC	POLYVINYL CHLORIDE
PWM	PAVEMENT
P&P	PLAN & PROFILE
R/W	RIGHT OF WAY
RI'	ONE FOOT RADIUS
RB	REACTION BLOCK
RCF	REINFORCED CONCRETE
REF	REFERENCE
RPBFD	REDUCED PRESSURE B
REQ'D	REQUIRED
RT	RIGHT
RW	RESILIENT WEDGE
S	SOUTH
S/W	SIDEWALK
SE	SOUTH EAST
SEC	SECONDARY
SF	SQUARE FEET
SG	SWITCH GEAR
SI	SURFACE INLET
SMU	STORMWATER MANAGEN
SPA	SPACE
SPT	STANDARD PENETRATI
SRWMD	SUNAWANEE RIVER WAT
SSL	SANITARY SEWER
SS	STAINLESS STEEL
ST	STORM
ST	STREET
STA	STATION
STD	STANDARD
STL	STEEL
SW	SOUTH WEST
SY	SQUARE YARD
TBC	TRAFFIC BEARING COV
TBM	TEMPORARY BENCHMARK
TBR	TO BE REMOVED
TEL	TELEPHONE
TFMR	TRANSFORMER
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
UD	UNDER DRAIN
UTL	UTILITIES
VCP	VITRIFIED CLAY PIPE
VEH	VEHICLE
W	WEST
W/	WITH
W/WW	WATER/WASTEWATER
WM	WATER MAIN
WS	WATER SERVICE
WW	WASTEWATER
YR	YEAR

EST	EXISTING STORM SEWER LINE
EWW	EXISTING SANITARY SEWER LINE
EGAS	EXISTING GAS SERVICE LINE
ECATV	EXISTING CATV & TELEPHONE LINE
EUE	EXISTING UNDERGROUND ELECTRIC LINE
EWM	EXISTING WATER MAIN
76	EXISTING CONTOUR LINE
	EXISTING FENCE
+83.01	NATURAL GROUND SPOT ELEVATION
o 20 PI	EXISTING TREE TO REMAIN
X 20 PI	EXISTING TREE TO BE REMOVED
	PROPOSED ASPHALT PAVEMENT
	PROPOSED 4" CONCRETE PAVEMENT
	PROPOSED 6" CONCRETE PAVEMENT
	PROPOSED STABILIZED LIMEROCK
	PROPOSED FINISH ELEVATION CONTOUR
57.50	PROPOSED FINISH SPOT ELEVATION
	PROPOSED DIRECTIONAL FLOW ARROW
	DRAINAGE AREA DIVIDE
	PROPOSED SILT FENCE
	PROPOSED TREE BARRICADE FENCE
	PROPOSED CENTERLINE
ST	PROPOSED STORM SEWER LINE
WM	PROPOSED WATER MAIN
PE	PROPOSED PRIMARY ELECTRIC SERVICE CONDUIT
SE	PROPOSED SECONDARY ELECTRIC SERVICE CONDUIT
CATV	PROPOSED CATV SERVICE
WW	PROPOSED SANITARY SEWER
	PROPOSED PUE
	PROPOSED DRAINAGE SWALE
	RIGHT-OF-WAY



SHEET TITLE:		DATE: <b>OCTOBER 2023</b>
LEGEND, ABBREVIATIONS, AND NOTES		PROJECT NO: <b>560-22-01</b>
CLIENT: <b>BRUCE SHERMAN GAINESVILLE, FL</b>	PROJECT: <b>SOL ACRES RURAL SUBDIVISION</b>	SHEET NO: <b>C0.1</b>

J:\560-22-01 - Sol Acres Rural Subdivision\Production\Civil\Sheets\C0.0 COVER SHEET.dwg, 11/16/2023 4:30:03 PM, Logan

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 <p><b>BPro</b></p> <p>ENGINEERING   LAND PLANNING NG   CONSTRUCTION SERVICES</p>	<p><b>3530 NW 43rd Street   Gainesville, Florida 32606</b>  <b>4420 US-1 S, Suite 1   St. Augustine, Florida 32086</b></p>	<p>SHEET TITLE:</p> <p><b>STO</b></p>
	<p><b>Gainesville: (352) 375-8999   St. Augustine: (904) 789-8999</b>  <b>Toll Free: (844) Go-JBPro   E-mail: <a href="mailto:contact@jbpro.com">contact@jbpro.com</a></b></p>	<p>CLIENT:</p> <p><b>BRUCE GAIN</b></p>

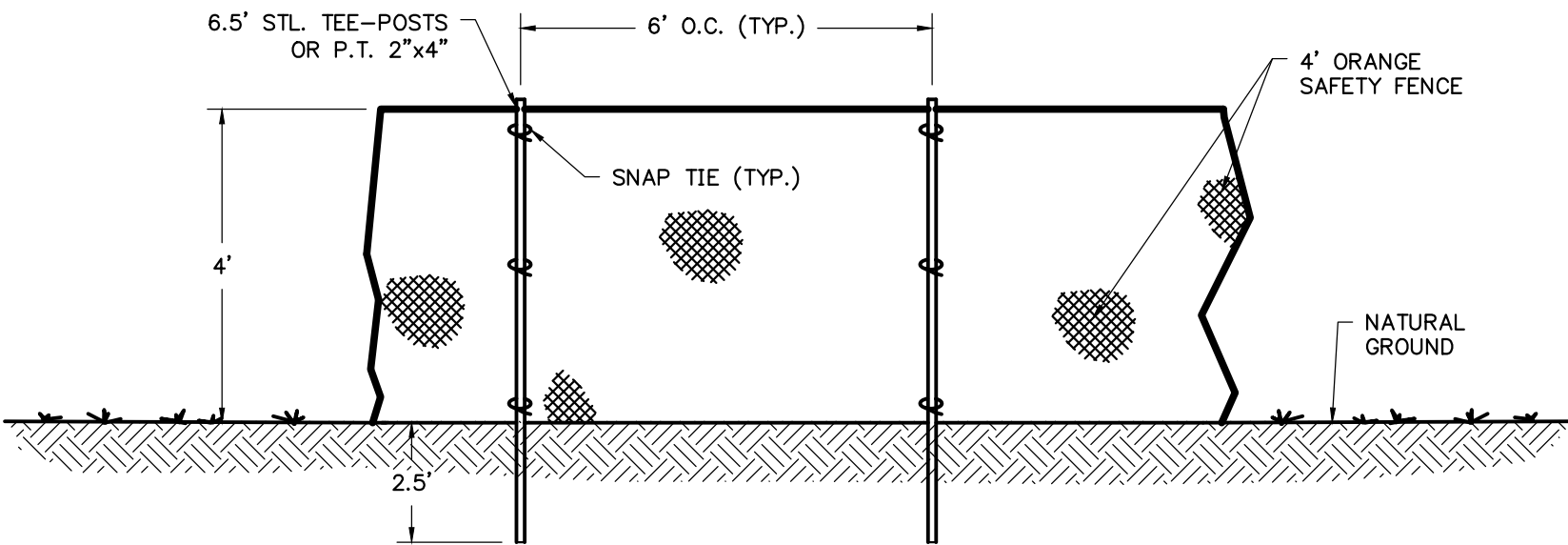
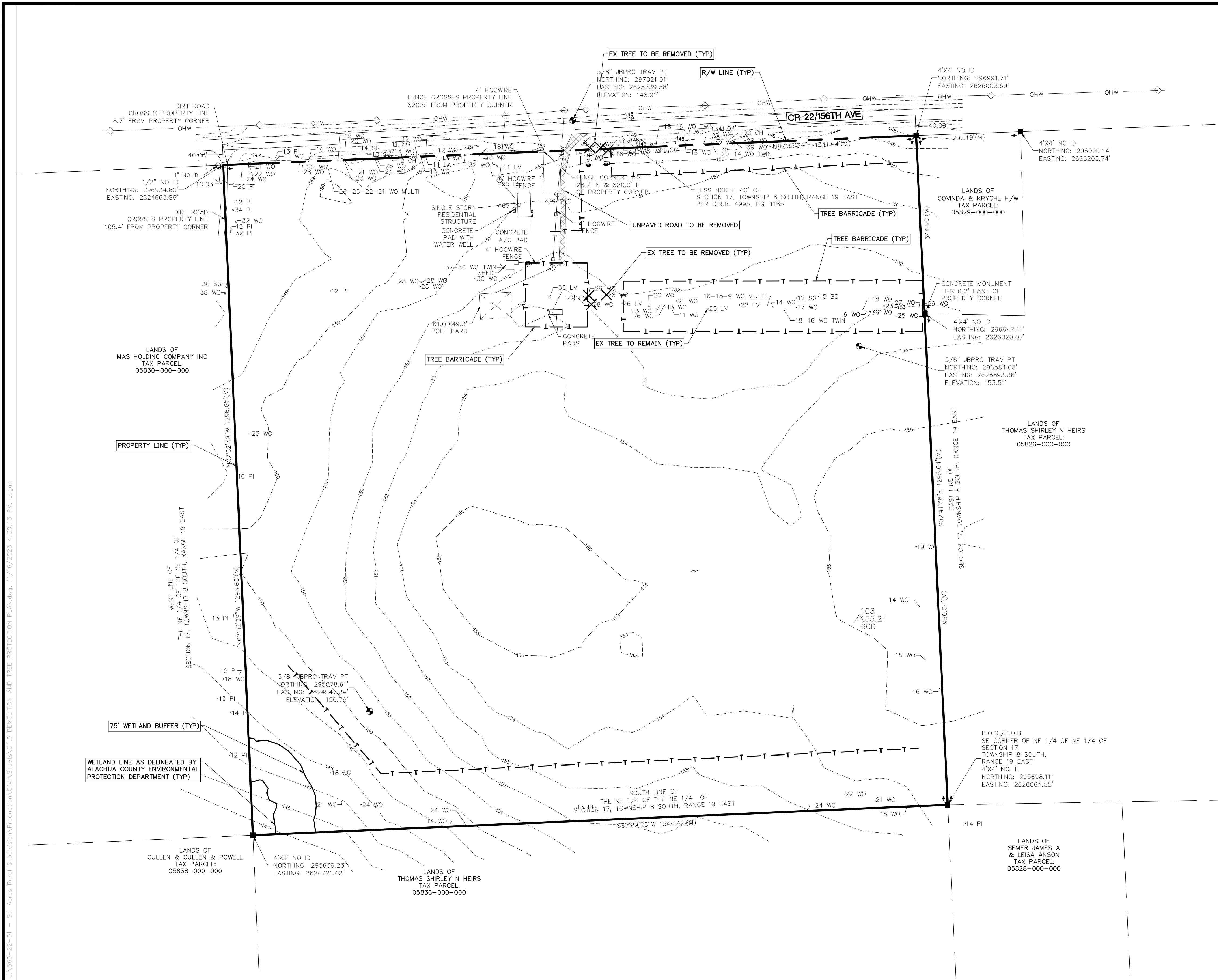
ENGINEER OF RECORD:	LOGAN B. PETERS, PE FLORIDA LICENSE NO. 88516

**JBP<sup>ro</sup>**  
CIVIL ENGINEERING | LAND PLANNING  
SURVEYING | CONSTRUCTION SERVICES

SHEET TITLE:	STORMWATER POLLU
CLIENT:	BRUCE SHERMAN GAINESVILLE, FL

DATE:	<b>OCTOBER 2023</b>
PROJECT NO:	<b>560-22-01</b>
SHEET NO:	<b>C0.2</b>

J:\60-22-01 - Sol Acres Rural Subdivision\Production\Civil\Sheets\CD DEMOLITION AND TREE PROTECTION PLAN.dwg, 11/16/2023 4:30:13 PM, Logon



TREE PROTECTION FENCING DETAIL  
NTS

NOTES:

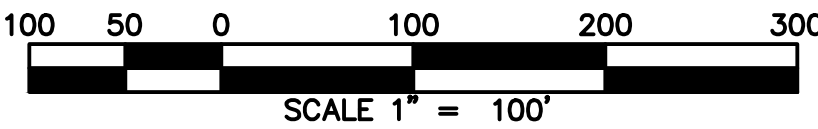
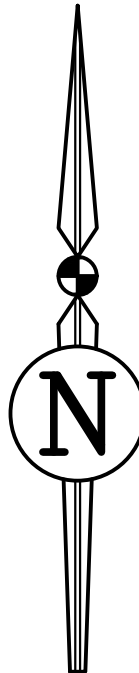
- THE CONTRACTOR SHALL CONTACT THE ALACHUA COUNTY FORESTER/LANDSCAPING INSPECTOR (352-374-5243 EXT. 3503) FOR A TREE BARRICADE INSPECTION PRIOR TO ANY DEMOLITION OR DEVELOPMENT ACTIVITY.
- ALL CONSTRUCTION ACTIVITIES SHALL BE PROHIBITED WITHIN THE UNDISTURBED AREA INCLUDING ALL DIGGING, TRENCHING, CONSTRUCTION LAY-DOWN AREAS, PLACEMENT OF HAZARDOUS MATERIALS, INCLUDING FUELS AND SOLVENTS, PLACEMENT OF FILL OR SOILS, AND PARKING OF CONSTRUCTION VEHICLES OR EMPLOYEE VEHICLES.
- NO ATTACHMENTS OR WIRES OTHER THAN THOSE OF A PROTECTIVE AND NON-DAMAGING NATURE SHALL BE ATTACHED TO ANY TREE.
- NO GRADE CHANGES SHALL BE MADE WITHIN ANY UNDISTURBED AREA WITHOUT PRIOR APPROVAL BY THE COUNTY INSPECTOR. IF A GRADE CHANGE IS MADE AND ROOTS LARGER THAN ONE (1) INCH IN DIAMETER ARE DAMAGED OR EXPOSED, THEY SHALL BE CUT CLEANLY AND RE-COVERED WITH SOIL.
- LANDSCAPE PREPARATION IN THE UNDISTURBED AREA SHALL BE PROHIBITED UNLESS SPECIFICALLY APPROVED OTHERWISE BY THE COUNTY. LANDSCAPING SHALL BE LIMITED TO PLACEMENT OF SOD, MULCH, OR OTHER GROUND COVERS.
- THE PROTECTIVE BARRIERS SHALL REMAIN IN PLACE AND INTACT UNTIL CONSTRUCTION IS COMPLETED.

GENERAL DEMOLITION NOTES

- PRIOR TO DEMOLITION AND CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE UTILITY COMPANIES TO VERIFY THE LOCATION OF ALL ABOVE GROUND AND UNDERGROUND UTILITIES TO BE REMOVED OR RELOCATED.
- CONTRACTOR IS RESPONSIBLE FOR ALL SITE DEMOLITION AND MATERIAL REMOVAL. IN ADDITION TO THE DEMOLITION SHOWN, THE CONTRACTOR SHALL REMOVE ALL MISCELLANEOUS TRASH, DEBRIS, FENCING ETC., IN ORDER TO PROVIDE A CLEAN CONSTRUCTION SITE.
- CONTRACTOR IS RESPONSIBLE FOR DISPOSING OF ALL DEMOLITION MATERIAL OFF SITE. DISPOSAL METHODS AND LOCATIONS SHALL BE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.
- INVASIVE TREE ROOTS SHALL BE REMOVED OR PRUNED IN COMPLIANCE WITH THE NATIONAL ARBORIST ASSOCIATION STANDARDS FOR PRUNING OF SHADE TREES.
- ALL FILL MATERIAL SHALL BE STOCKPILED IN THE CONSTRUCTION STOCKPILE AND STAGING AREA.

LEGEND

- T — T — T — PROPOSED TREE BARRICADE FENCE
- 20 PI EXISTING TREE TO REMAIN
- ✕ 20 PI EXISTING TREE TO BE REMOVED
- Existing Unpaved Road to be Removed



REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD:		LOGAN B. PETERS, PE FLORIDA LICENSE NO. 88516

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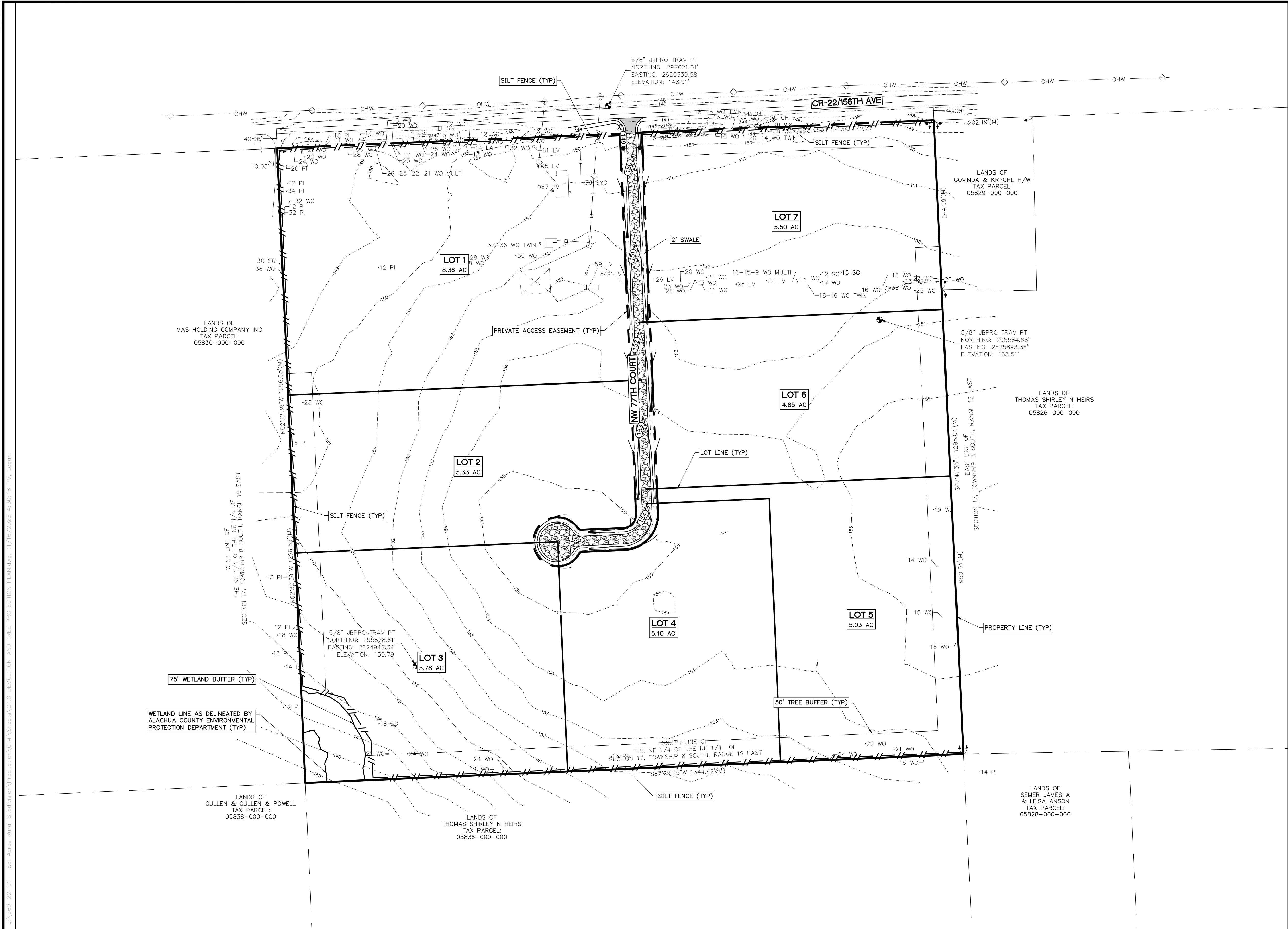


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SHEET TITLE:		DATE:	
DEMOLITION AND TREE PROTECTION PLAN		OCTOBER 2023	
CLIENT:		PROJECT NO:	
BRUCE SHERMAN GAINESVILLE, FL		560-22-01	
PROJECT:		SHEET NO:	
SOL ACRES RURAL SUBDIVISION		C1.0	

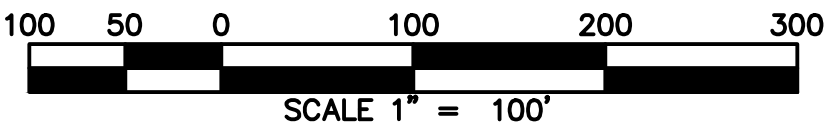
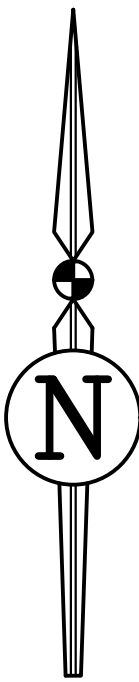


EROSION AND SEDIMENTATION CONTROL NOTES

1. DURING CONSTRUCTION, NO DIRECT DISCHARGE OF WATER TO DOWNSTREAM RECEIVING WATERS WILL BE ALLOWED. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING WATER QUALITY, AND SHALL ROUTE DISCHARGE WATER IN SUCH A MANNER TO ADEQUATELY REMOVE SILT PRIOR TO RUNOFF FROM THE SITE.
2. SILT FENCING AND OTHER SEDIMENT CONTROL MEASURES SHALL BE CONSTRUCTED WHERE SHOWN ON THE DRAWINGS PRIOR TO STARTING CONSTRUCTION. ALL STORMDRAIN INLETS SHALL BE PROTECTED DURING CONSTRUCTION IN ACCORDANCE WITH FDOT EROSION AND SEDIMENTATION CONTROL DESIGNER AND REVIEWER MANUAL (JULY 2013).
3. CONTRACTOR SHALL CONTACT ALACHUA COUNTY PUBLIC WORKS INSPECTOR FOR INSPECTION OF DEMOLITION AND SILT FENCE/EROSION CONTROL MEASURES PRIOR TO THE START OF CONSTRUCTION
4. PROTECT EXISTING STORMWATER INLET STRUCTURES WITH FILTER FABRIC OR OTHER EROSION CONTROL DEVICE TO PREVENT SEDIMENTS FROM ENTERING STORM SEWER SYSTEM.
5. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE INSPECTED AT LEAST ONCE PER WEEK AND AFTER 1/2" OR GREATER RAINFALL.
6. ALL EROSION AND SEDIMENTATION CONTROL STRUCTURES SHALL BE MAINTAINED UNTIL CONSTRUCTION IS COMPLETE AND APPROVED, AND VEGETATION IS FULLY ESTABLISHED.
7. CONTRACTOR SHALL MINIMIZE AIR POLLUTION FROM PARTICULATES AND DUST. WATER SHALL BE APPLIED AS NEEDED TO REDUCE DUST DURING CONSTRUCTION. USE OTHER STABILIZATION METHODS SUCH AS HYDROMULCHING AS NEEDED.
8. CONTRACTOR SHALL STOCKPILE AND STORE MATERIALS SUCH THAT STORMWATER FLOW IS NOT IMPEDED DURING CONSTRUCTION AND MATERIAL EROSION DOES NOT OCCUR.
9. ALL DISTURBED AREAS WITHIN THE PROJECT CONSTRUCTION LIMITS SHALL BE COMPLETELY GRASSED BY COMPLETION OF CONSTRUCTION. GRASS SEEDING RATES AND MIXTURES SHALL BE PER FDOT EROSION AND SEDIMENTATION CONTROL DESIGNER AND REVIEWER MANUAL (JULY 2013). EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.
10. THE STORMDRAIN SYSTEM SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.
11. THE TOTAL UNDISTURBED AREA OF THE PROJECT SITE 37.31 ACRES. THE TOTAL DISTURBED AREA OF THE PROJECT IS 1.91 ACRES

LEGEND

- // — // — // — // — SILT-FENCE BARRIERS  
— // — // — PER FDOT EROSION AND SEDIMENT CONTROL  
DESIGNER AND REVIEWER MANUAL (JUNE 2007)



REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD:		LOGAN B. PETERS, PE FLORIDA LICENSE NO. 88516

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Toll Free: (844) Go-JBPro | E-mail: [contact@jbpro.com](mailto:contact@jbpro.com)

SHEET TITLE:

**EROSION AND SEDIMENTATION CONTROL PLAN**

CLIENT:

**BRUCE SHERMAN  
GAINESVILLE, FL**

PROJECT:

**SOL ACRES RURAL  
SUBDIVISION**

DATE:

**OCTOBER 2023**

PROJECT NO:

**560-22-01**

SHEET NO:





**C1.1**



**TREE CANOPY NOTES**

1. THE REGULATED TREE CANOPY IS REPRESENTED BY THE SHADING HATCH ON THIS SHEET. THE CANOPY WAS IDENTIFIED USING A 2023 GOOGLE EARTH AERIAL IMAGE COMBINED WITH THE TOPOGRAPHIC TREE SURVEY TO IDENTIFY THE BEST REPRESENTATION OF THE EXISTING TREE CANOPY.
2. REGULATED TREE CANOPY = 449,406.90 SF (10.32 AC)
3. MINIMUM CANOPY TREE CANOPY REQUIREMENT IS 20% OF EXISTING CANOPY = 449,406.90 SF x 0.2 = 89,881.38 SF (2.06 AC)
4. ESTIMATED EXISTING TREE CANOPY TO BE PRESERVED = 442,951.10 SF (10.17 AC)
5. PERCENT CANOPY RETAINED = 10.17 AC / 10.32 AC x 100 = 98.55%

**TREE CANOPY PLAN LEGEND**

-  EXISTING REGULATED TREE CANOPY TO BE REMOVED
-  EXISTING REGULATED TREE CANOPY TO BE SAVED
-  20 PI EXISTING TREE W/ SIZE & SPECIES
-  20 PI EXISTING TREE TO BE REMOVED

**TREE ABBREVIATIONS**

CH = CHERRY LAUREL  
LV = LIVE OAK  
PI = PINE  
SG = SWEETGUM  
SYC = SYCAMORE  
WO = WATER OAK

REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD:		LOGAN B. PETERS, PE FLORIDA LICENSE NO. 88516
DRWN		
APPR		

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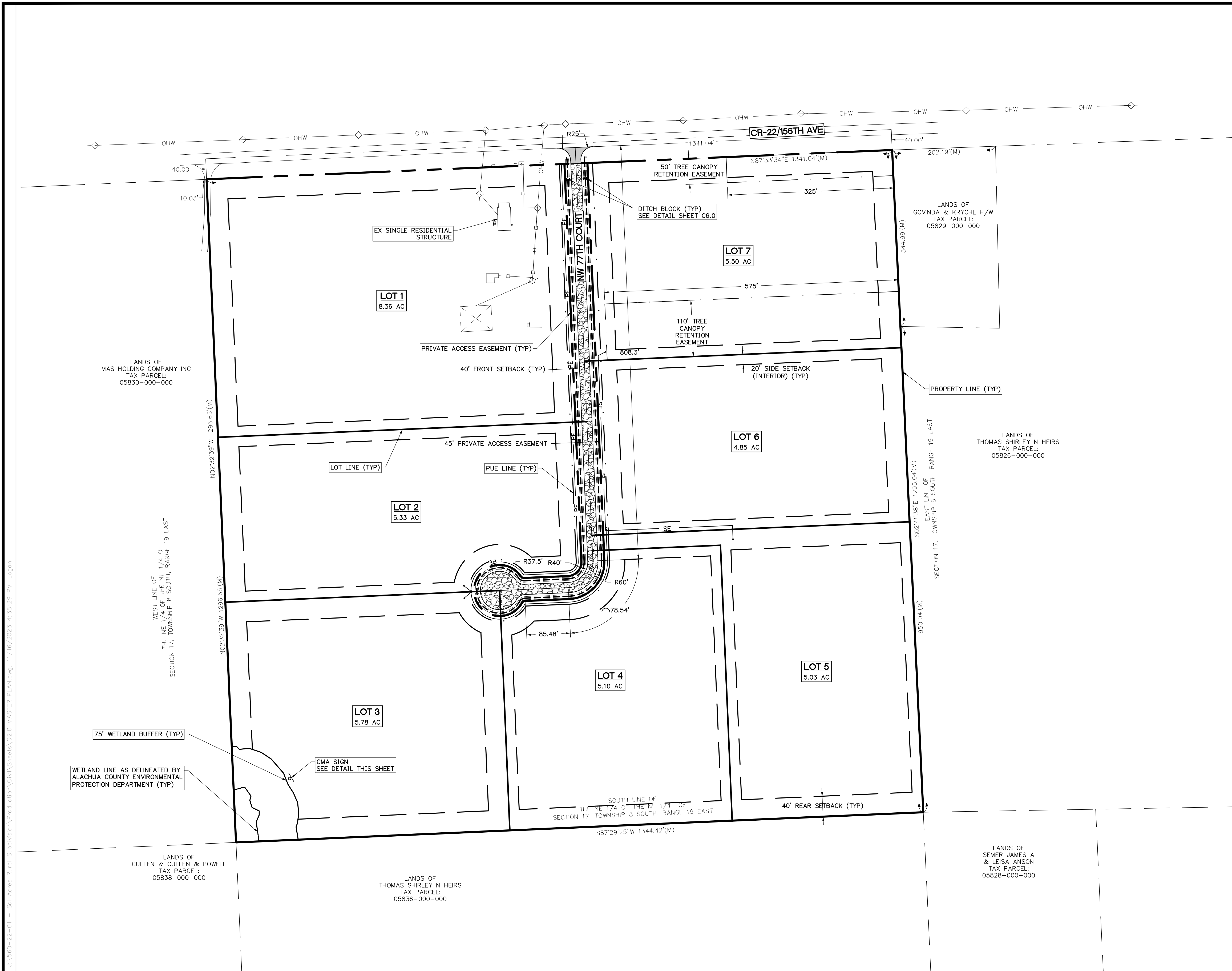
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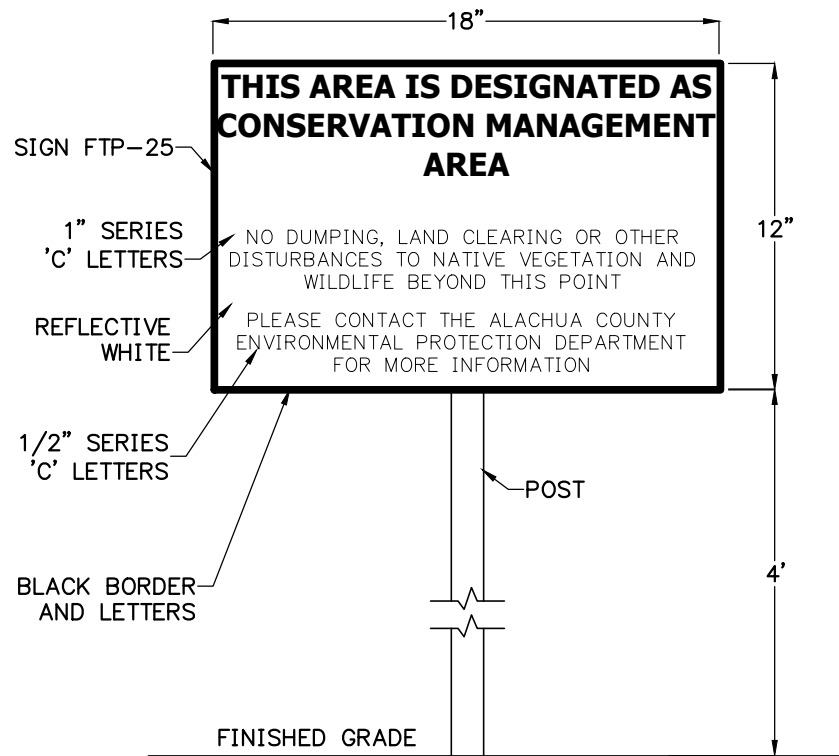
SHEET TITLE:		TREE CANOPY PLAN	
CLIENT:		BRUCE SHERMAN GAINESVILLE, FL	
PROJECT:		SOL ACRES RURAL SUBDIVISION	

DATE:	OCTOBER 2023
PROJECT NO:	560-22-01
SHEET NO:	C1.2



GENERAL SITE DEVELOPMENT NOTES

1. NO BUILDABLE NON-RESIDENTIAL AREA IS PROPOSED WITHIN THE PROJECT BOUNDARIES.
2. RESIDENTIAL BUILDABLE AREA IS SHOWN ON THIS PLAN. BUILDABLE AREA SHALL BE WITHIN EACH INDIVIDUAL LOT, AND SHALL COMPLY WITH THE MINIMUM SETBACK REQUIREMENTS SPECIFIED IN ALACHUA COUNTY MUNICODÉ TABLE 403.04.0:
  - a. FRONT SETBACK = 40'
  - b. SIDE, INTERIOR SETBACK = 20'
  - c. REAR SETBACK = 40'
3. THE TRANSPORTATION NETWORK RIGHTS-OF-WAY ARE SHOWN ON THIS PLAN.
4. TOTAL LENGTH OF INTERNAL ROADWAY = 972.32'
5. THERE ARE NO SPECIFIED VEHICULAR OR DROP OFF AREAS.
6. THERE ARE NO EXISTING STORMWATER MANAGMENTS BASINS WITHIN THE PROJECT BOUNDARIES.
7. ALL UTILITY CORRIDORS FALL WITHIN PROPOSED TRANSPORTATION NETWORK RIGHTS-OF-WAY AND DEDICATED PUBLIC UTILITY EASEMENTS.
8. THE PROPOSED PROJECT IS NOT WITHIN AN ACTIVITY CENTER.
9. ANY TREE WITHIN THE TREE CANOPY RETENTION EASEMENTS SHALL NOT BE REMOVED UNLESS DISEASED OR DEAD, OR AUTHORIZED BY THE COUNTY FOR REMOVAL PER ARTICLE 2 OF CHAPTER 406 TREES AND NATIVE VEGETATION. REMOVAL OF ANY TREE OF REGULATED SIZE WILL REQUIRE A PERMIT FROM ALACHUA COUNTY.
10. ALL BUILDING PERMITS INCLUDING PRIMARY STRUCTURES, ACCESSORY STRUCTURES, OUTDOOR KITCHENS, POOLS, OR ENCLOSURES WILL BE REQUIRED TO GO THROUGH PRE-APPLICATION SCREENING PRIOR TO ANY TYPE OF PERMIT APPLICATION, AND IT WILL BE DETERMINED AT THAT TIME IF A SURVEY OF THE EASEMENT AND TREE BARRICADES WILL BE REQUIRED. IF A SURVEY OF THE EASEMENT AND TREE BARRICADES ARE REQUIRED, THEN THEY SHALL BE INSTALLED AND INSPECTED PRIOR TO COMMENCEMENT OF CONSTRUCTION. TREES WITHIN THE TREE CANOPY RETENTION EASEMENTS SHALL BE PROTECTED TO THE DRIP LINE.
11. NO STRUCTURES SHALL BE PERMITTED WITHIN THE TREE CANOPY RETENTION EASEMENTS.

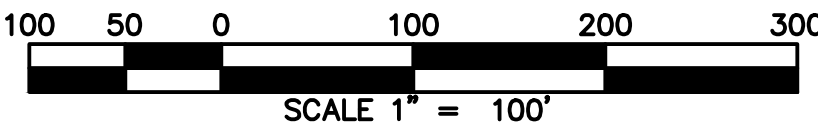


- SIGN NOTES:
1. SIGN CONSTRUCTION, DESIGN AND PLACEMENT SHALL COMPLY WITH STATE AND LOCAL STATUTES.

CMA SIGN DETAIL  
NTS

LEGEND

- |  |                              |
|--|------------------------------|
|  | PROPOSED ASPHALT PAVEMENT    |
|  | PROPOSED STABILIZED LIMEROCK |



REVISIONS				
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ENGINEER OF RECORD:		LOGAN B. PETERS, PE FLORIDA LICENSE NO. 88516

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SHEET TITLE:

MASTER PLAN

CLIENT:

BRUCE SHERMAN  
GAINESVILLE, FL

PROJECT:

SOL ACRES RURAL  
SUBDIVISION

DATE:

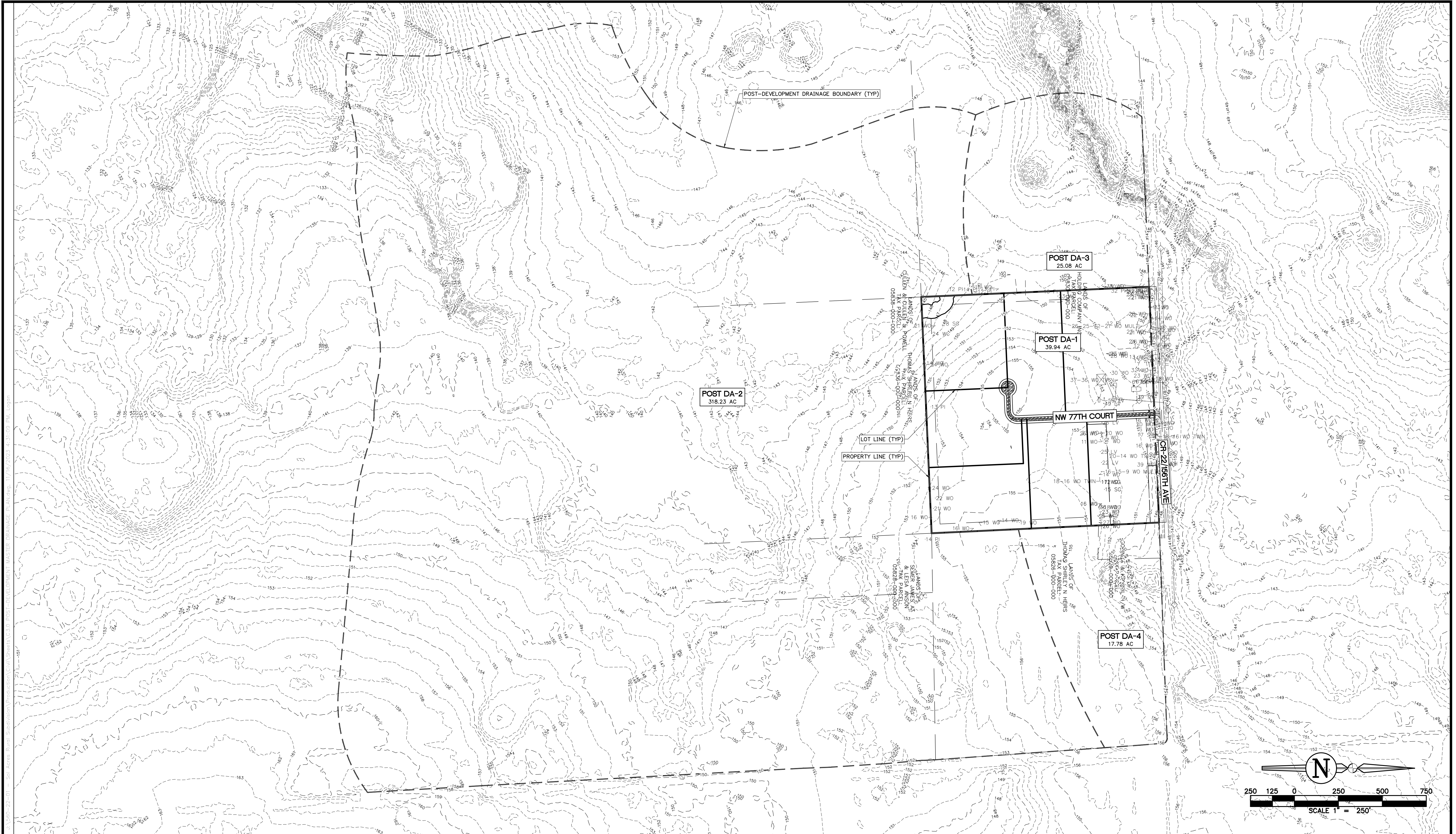
OCTOBER 2023

PROJECT NO:

560-22-01

SHEET NO:

C2.0



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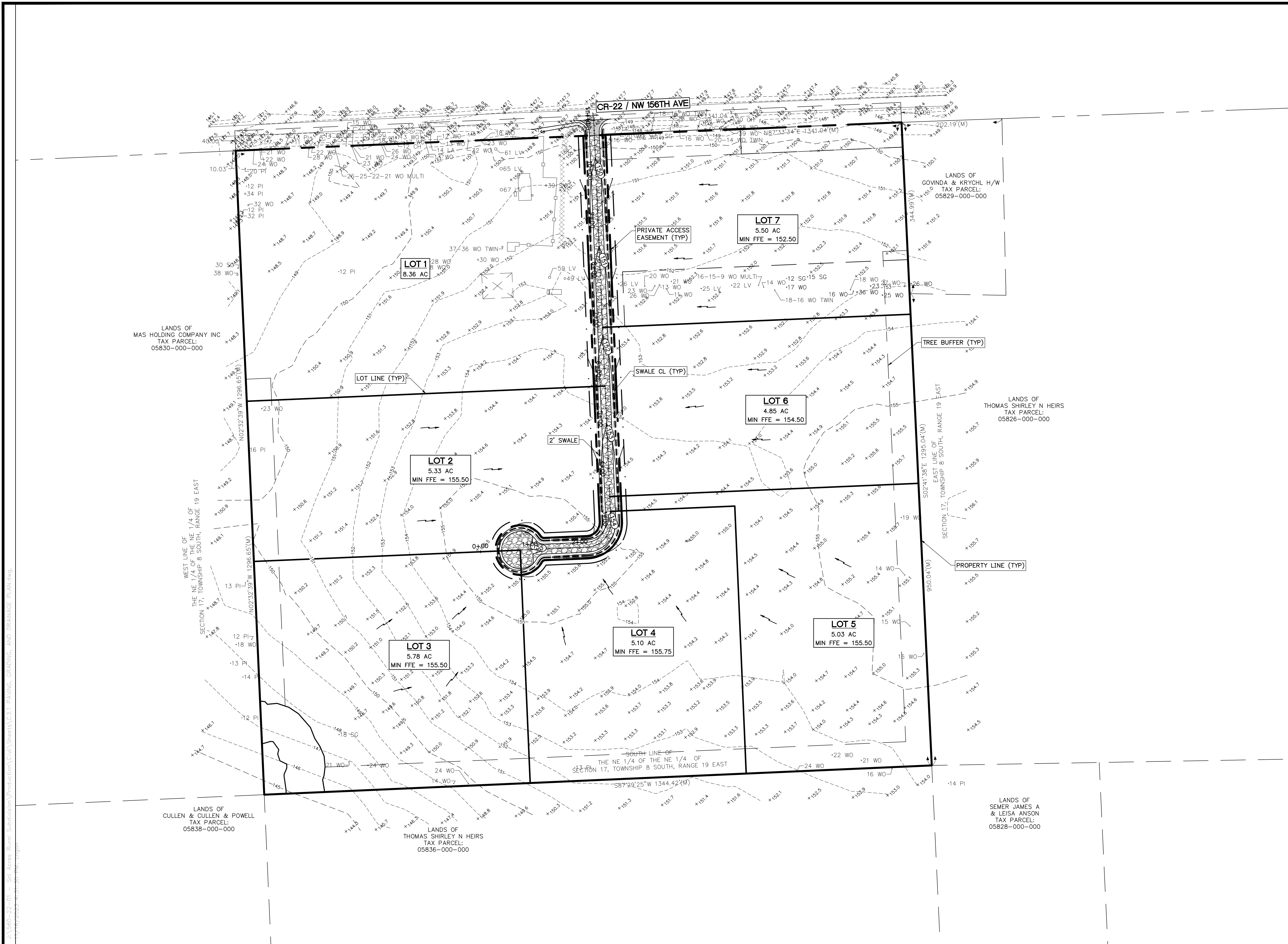
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SHEET TITLE:		POST-DEVELOPMENT MASTER DRAINAGE PLAN		DATE:	OCTOBER 2023
CLIENT:		BRUCE SHERMAN GAINESVILLE, FL		PROJECT NO:	560-22-01
PROJECT:		SOL ACRES RURAL SUBDIVISION		SHEET NO:	C3.0

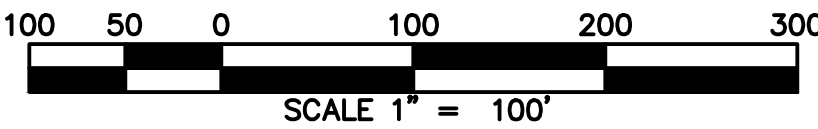
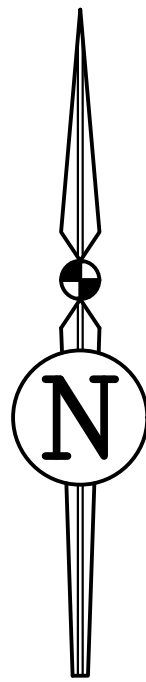
PAVING, GRADING, AND DRAINAGE NOTES

- ONLY CLEAN SANDY SOILS, SUITABLE AS STRUCTURAL FILL, WITH NO MORE THAN 15% FINES PASSING 200 SIEVE, MAY BE USED FOR FILLING LOT AREAS AS SHOWN HEREON.
- GEOTECHNICAL ENGINEER SHALL APPROVE ALL FILL REQUIRED FROM RETENTION BASIN EXCAVATION AND PLACES ON LOTS.
- CONTRACTOR TO GRADE LOTS TOWARD PROPOSED RIGHT OF WAY.



LEGEND

- PROPOSED ASPHALT PAVEMENT
- PROPOSED STABILIZED LIMEROCK



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NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD:	
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SHEET TITLE:

**PAVING, GRADING, AND DRAINAGE PLAN**

CLIENT:

**BRUCE SHERMAN  
GAINESVILLE, FL**

PROJECT:

**SOL ACRES RURAL  
SUBDIVISION**

DATE:

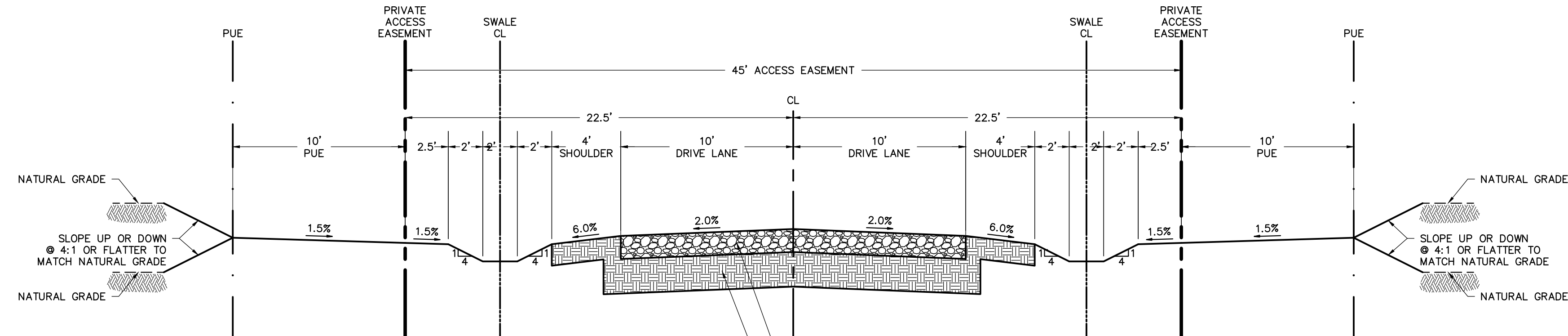
**OCTOBER 2023**

PROJECT NO:

**560-22-01**

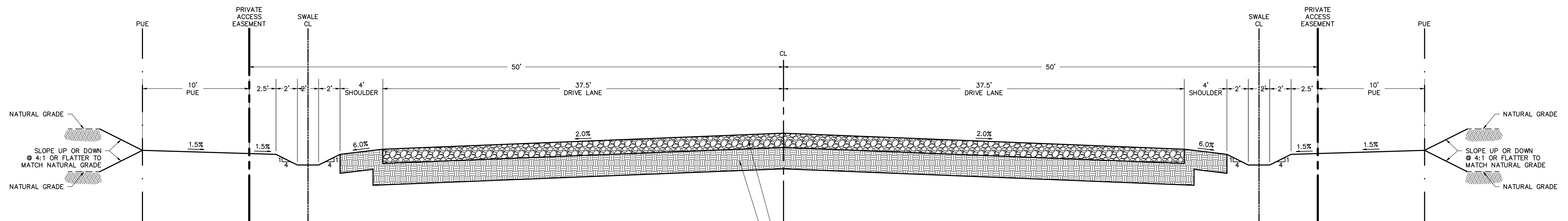
SHEET NO:

**C3.1**



SOL ACRES PRIVATE UNPAVED DRIVE

HORIZ: 1" = 5'  
VERT: 1" = 2.5'



SOL ACRES UNPAVED PRIVATE DRIVE CUL-DE-SAC

HORIZ: 1" = 5'  
VERT: 1" = 2.5'

z:\560-22-01 - Sol Acres Rural Subdivision\Production\Civil\Sheets\C4.0 TYPICAL ROADWAY SECTION.dwg, 11/16/2023, 4:31:36 PM, Logan

REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD:		LOGAN B. PETERS, PE FLORIDA LICENSE NO. 88516

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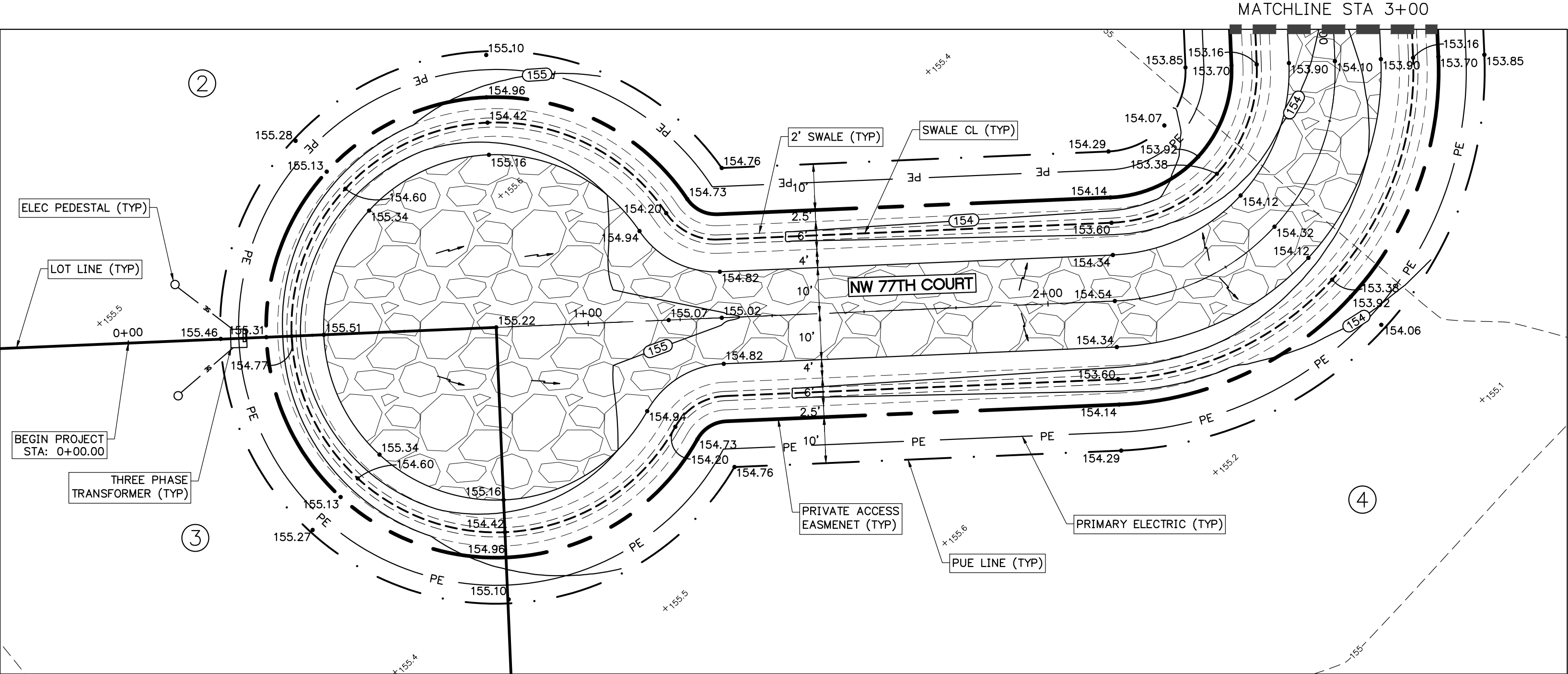
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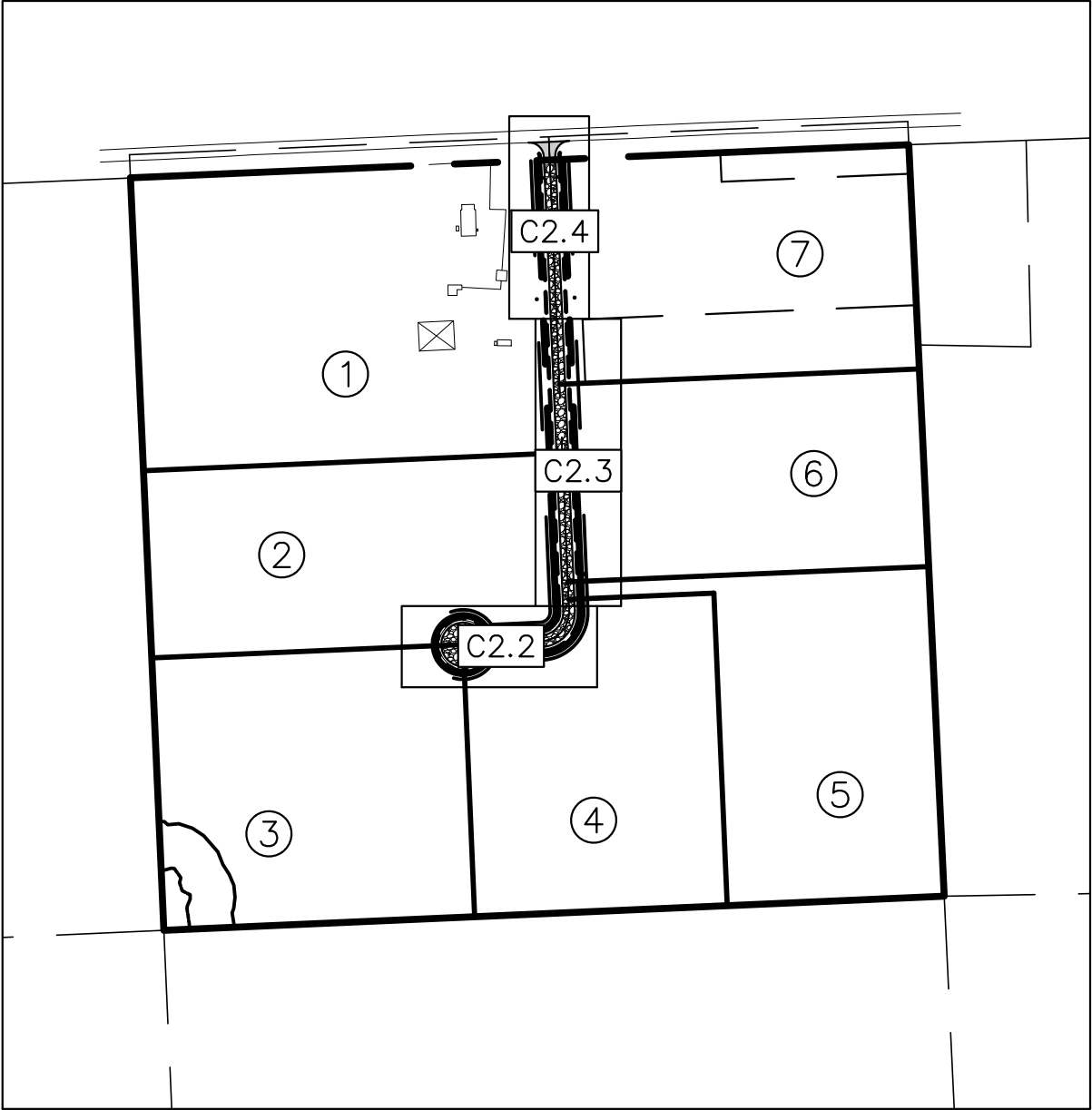
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Toll Free: (844) Go-JBPro | E-mail: [contact@jbpro.com](mailto:contact@jbpro.com)

SHEET TITLE:		TYPICAL ROADWAY SECTIONS
CLIENT:		BRUCE SHERMAN GAINESVILLE, FL
PROJECT:		SOL ACRES RURAL SUBDIVISION

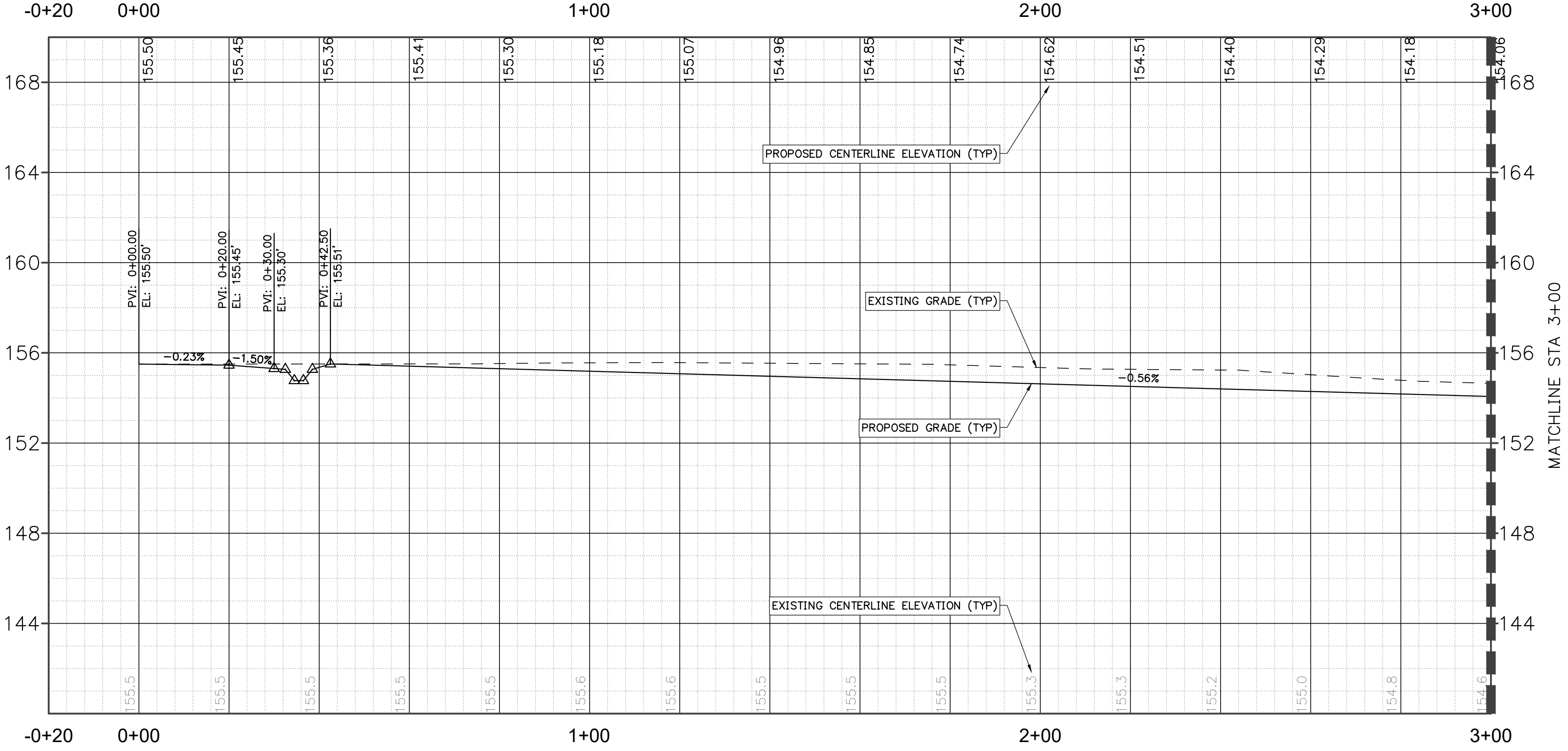
DATE:	OCTOBER 2023
PROJECT NO:	560-22-01
SHEET NO:	C4.0



PLAN VIEW  
1" = 20'



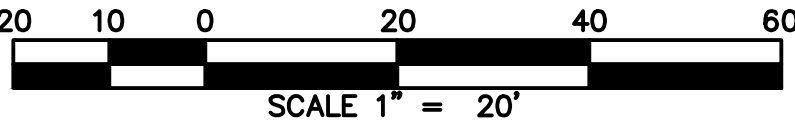
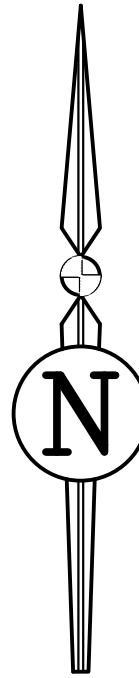
KEY MAP  
1" = 300'



PROFILE VIEW - Alignment - Sol Acres  
1"=20' H, 1"=4' V

LEGEND

- PROPOSED ASPHALT PAVEMENT
- PROPOSED STABILIZED LIMEROCK



REVISIONS				
NO.	DATE	DESCRIPTION	DRWN	APPR

ENGINEER OF RECORD:		LOGAN B. PETERS, PE FLORIDA LICENSE NO. 88516
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SHEET TITLE:

ROADWAY PLAN AND PROFILE

CLIENT:

BRUCE SHERMAN  
GAINESVILLE, FL

PROJECT:

SOL ACRES RURAL  
SUBDIVISION

DATE:

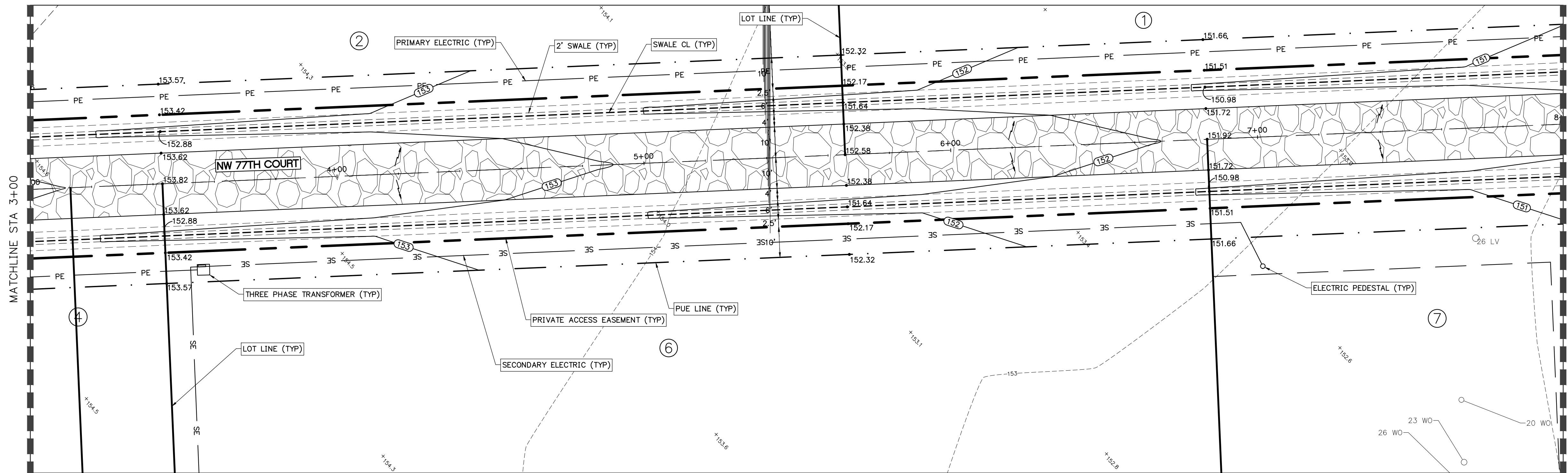
OCTOBER 2023

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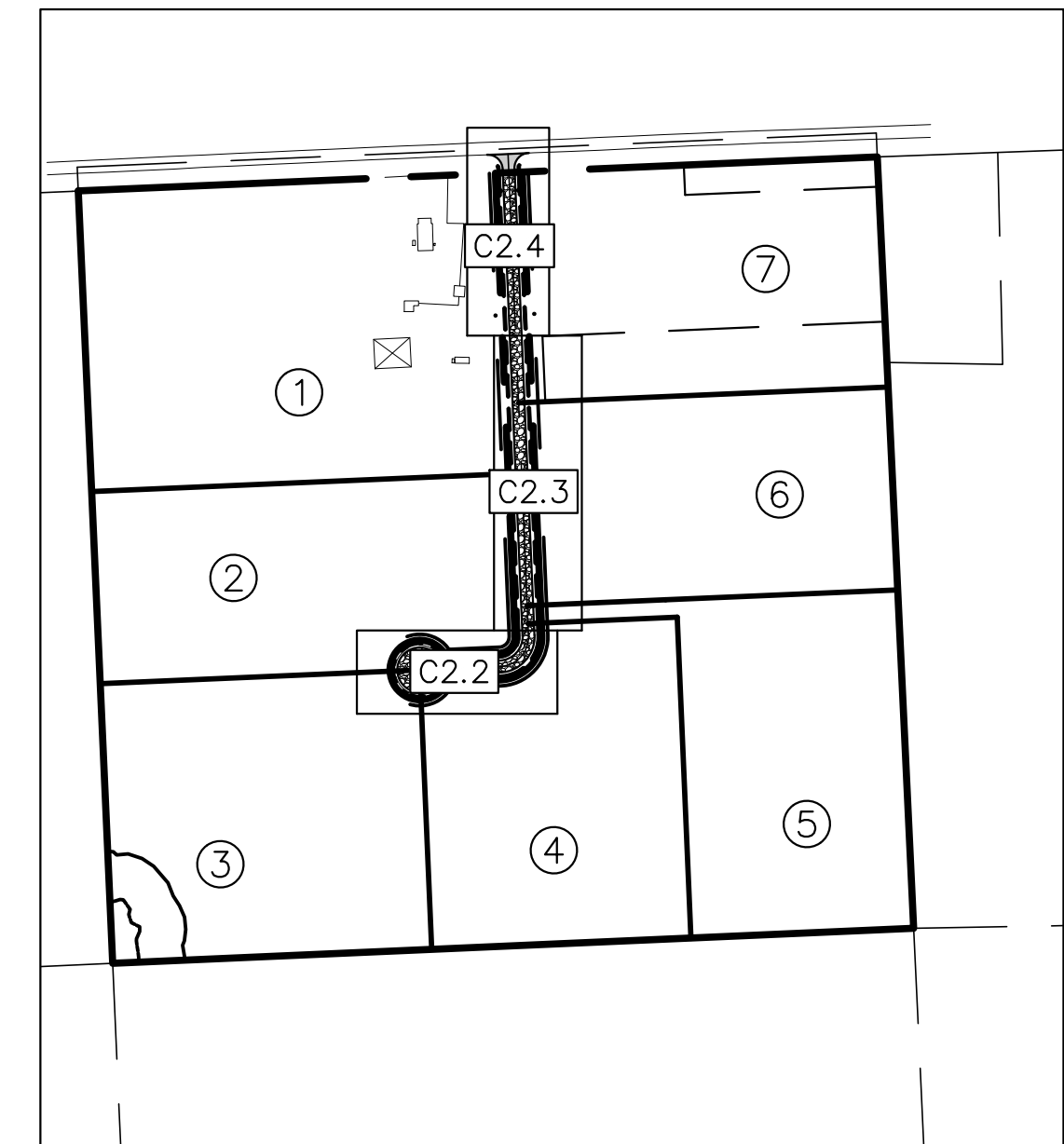
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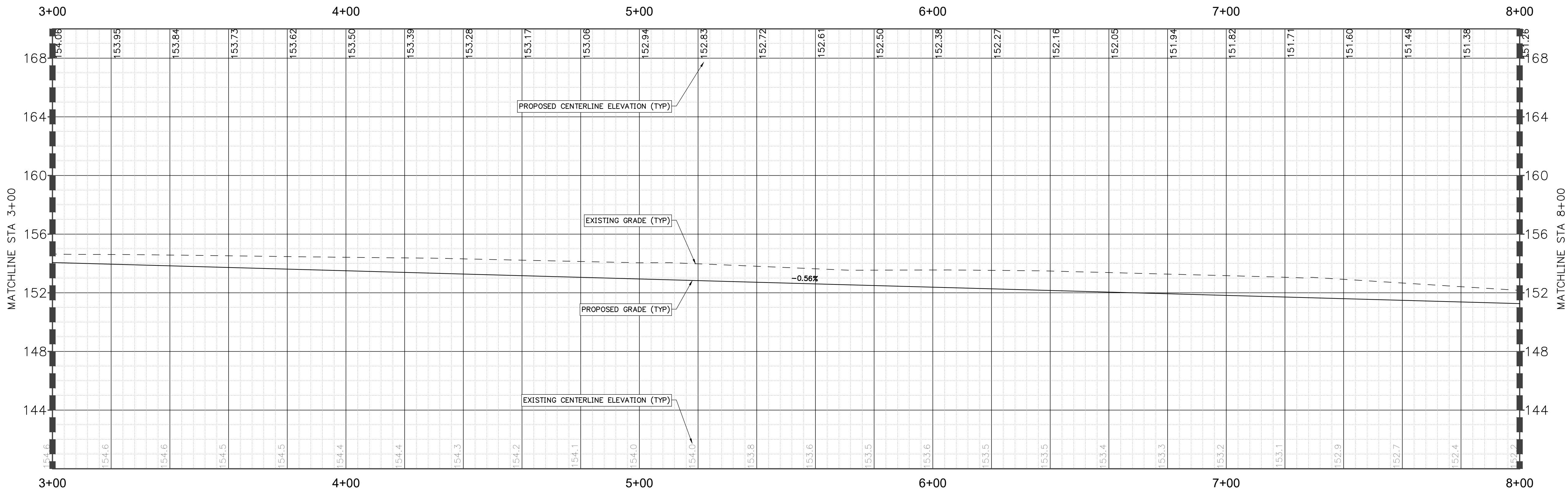
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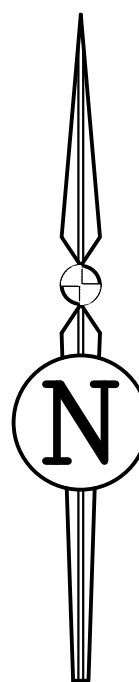
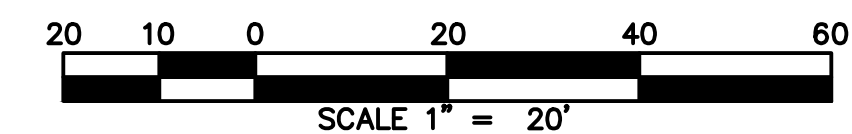
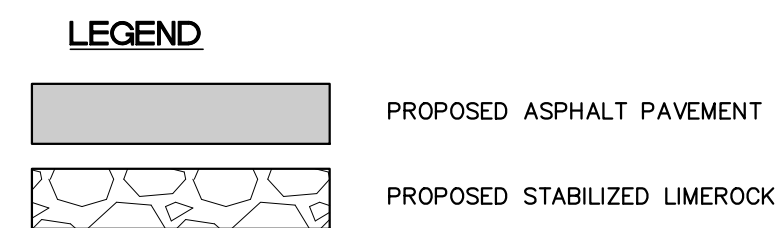
PLAN VIEW  
1" = 20'



KEY MAP  
1" = 300'



PROFILE VIEW - Alignment - Sol Acres  
1"=20' H, 1"=4' V



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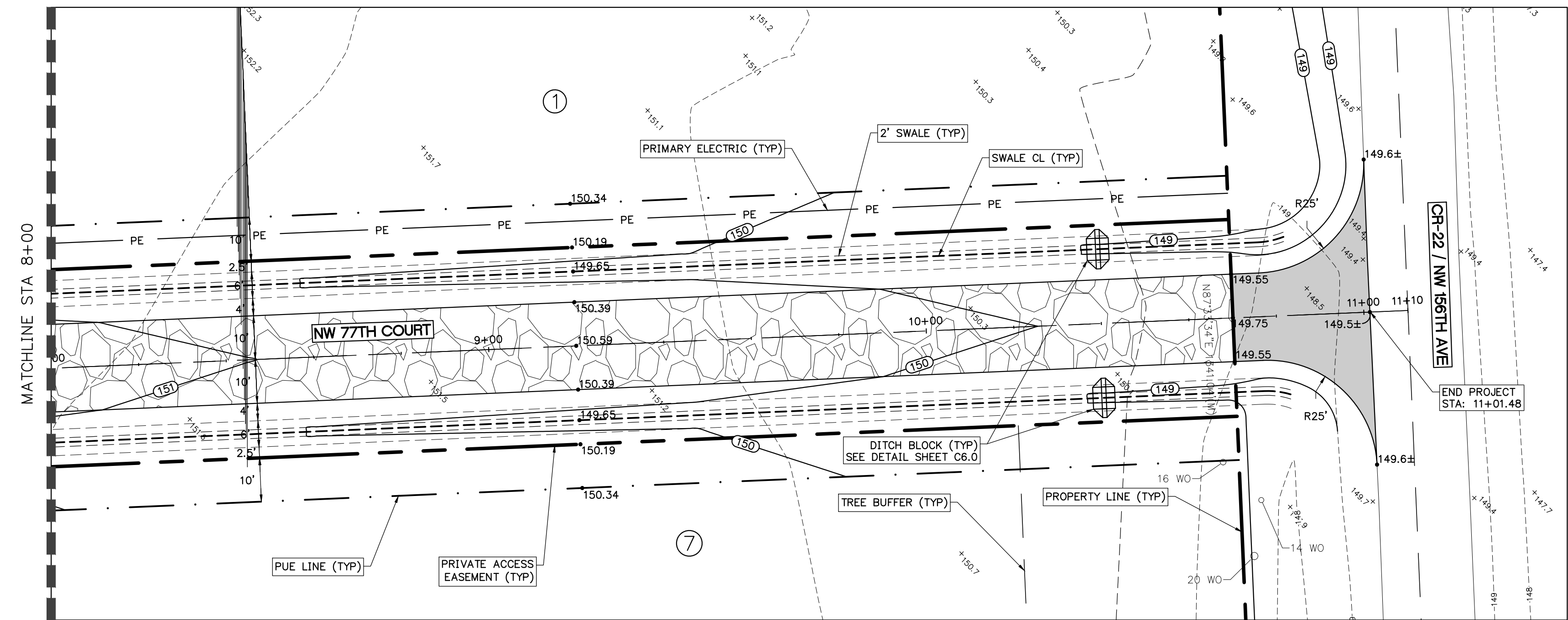
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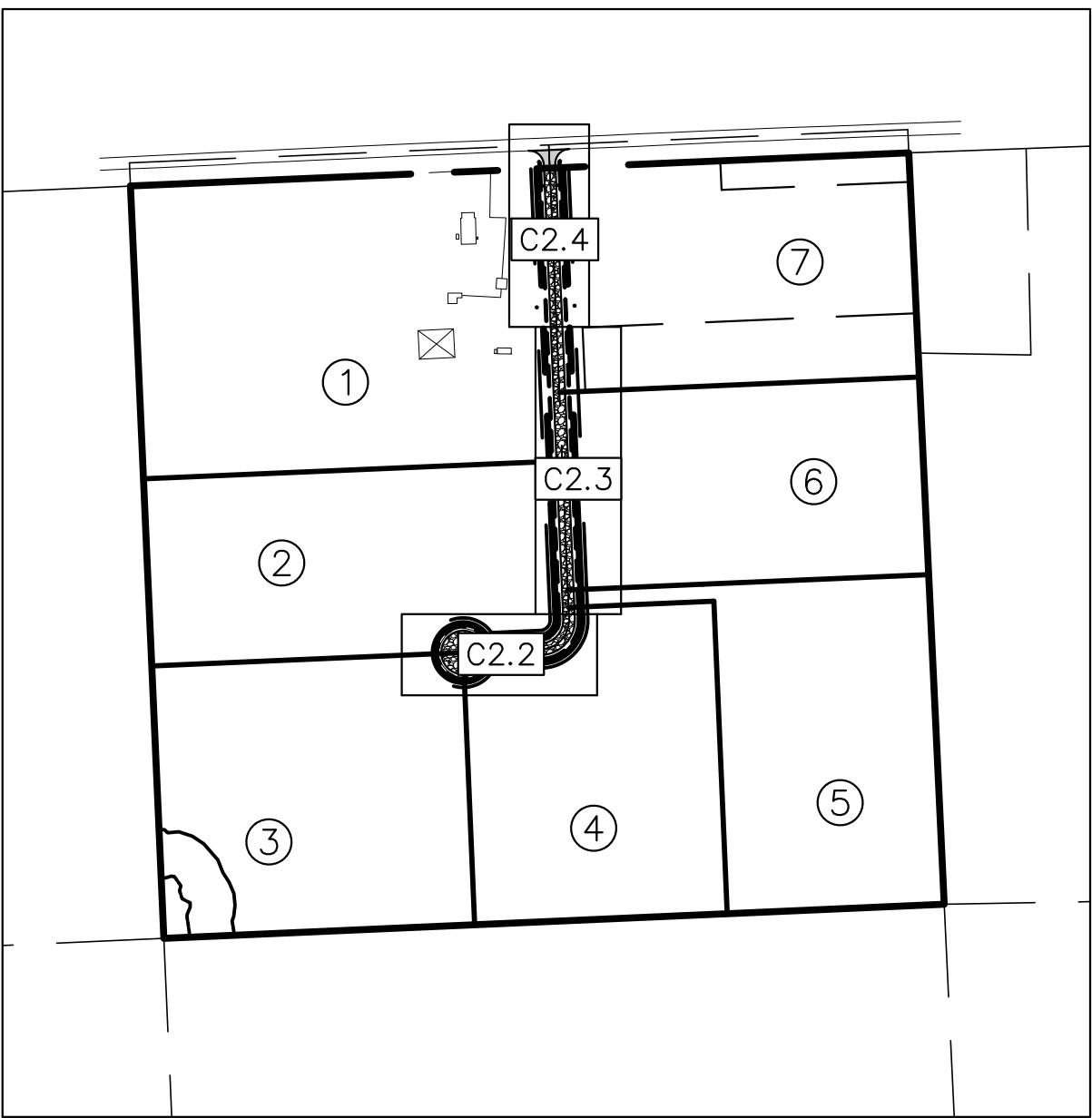
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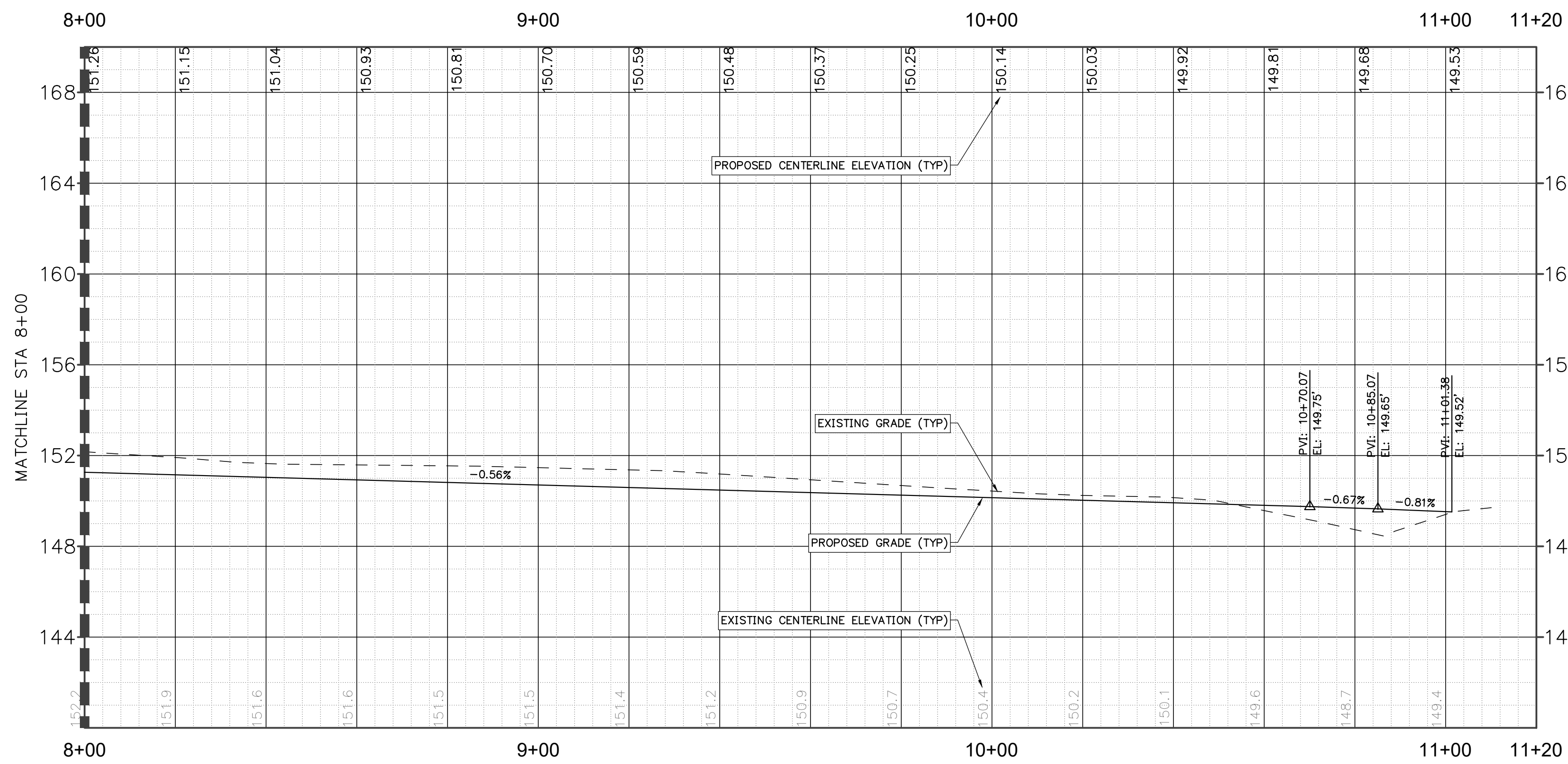
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CLIENT:		BRUCE SHERMAN GAINESVILLE, FL		PROJECT NO:	560-22-01
PROJECT:		SOL ACRES RURAL SUBDIVISION		SHEET NO:	C4.2



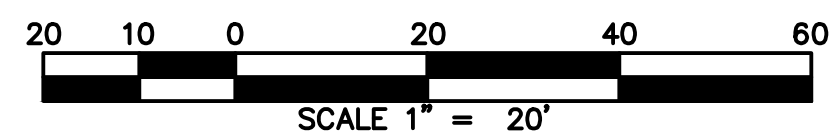
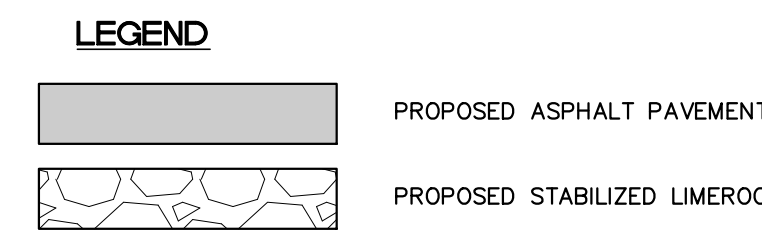
PLAN VIEW  
1" = 20'



KEY MAP  
1" = 300'



PROFILE VIEW - Alignment - Sol Acres  
1"=20' H, 1"=4' V



z:\560-22-01 - Sol Acres Rural Subdivision\Production\Civil\Sheets\C4.3 ROADWAY PLAN AND PROFILE.dwg, 11/16/2023 4:31:24 PM, Logan

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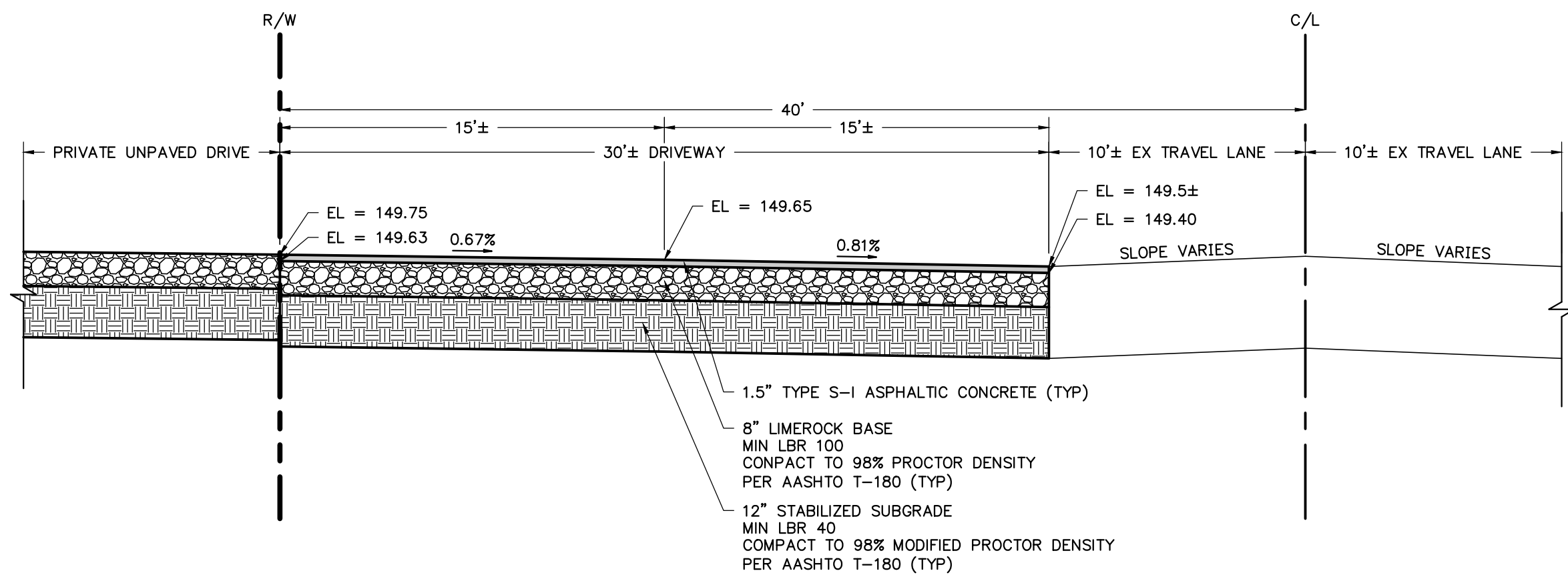
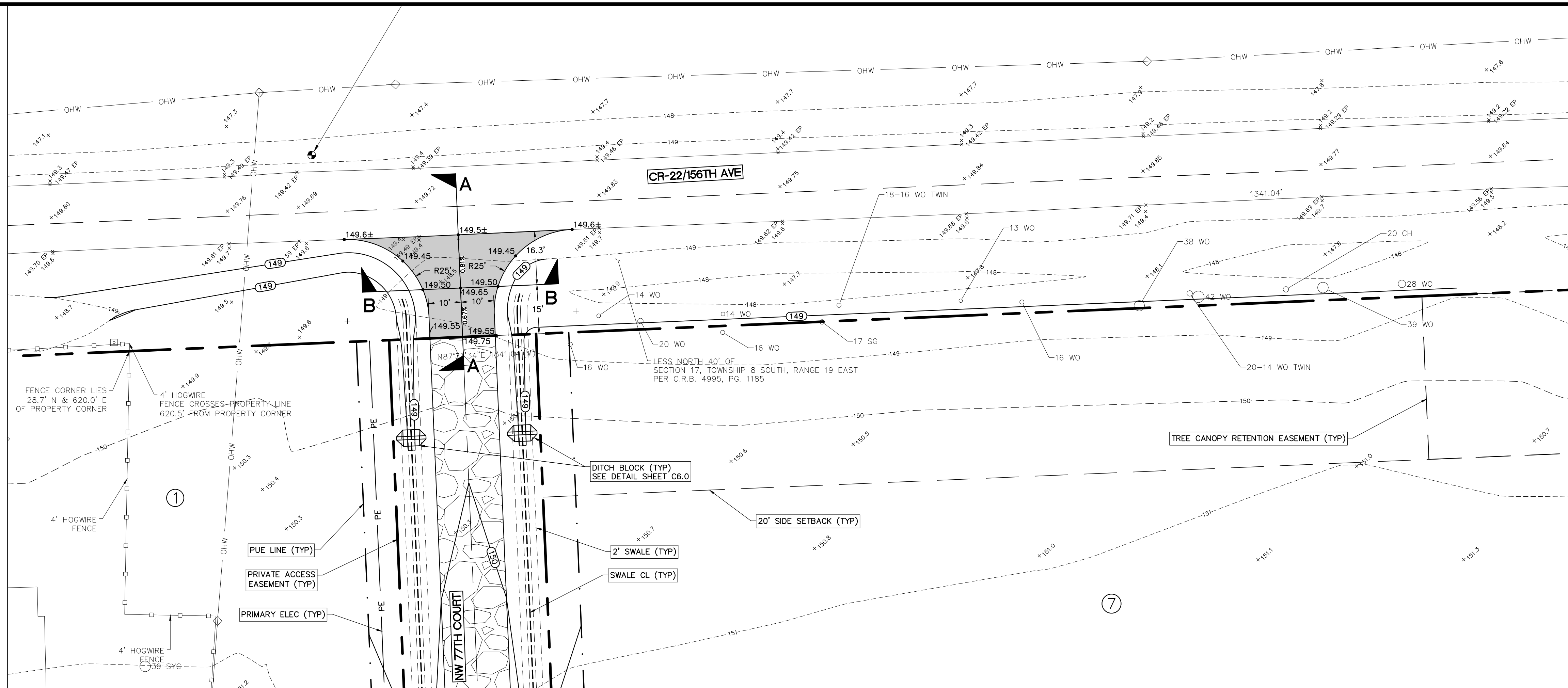
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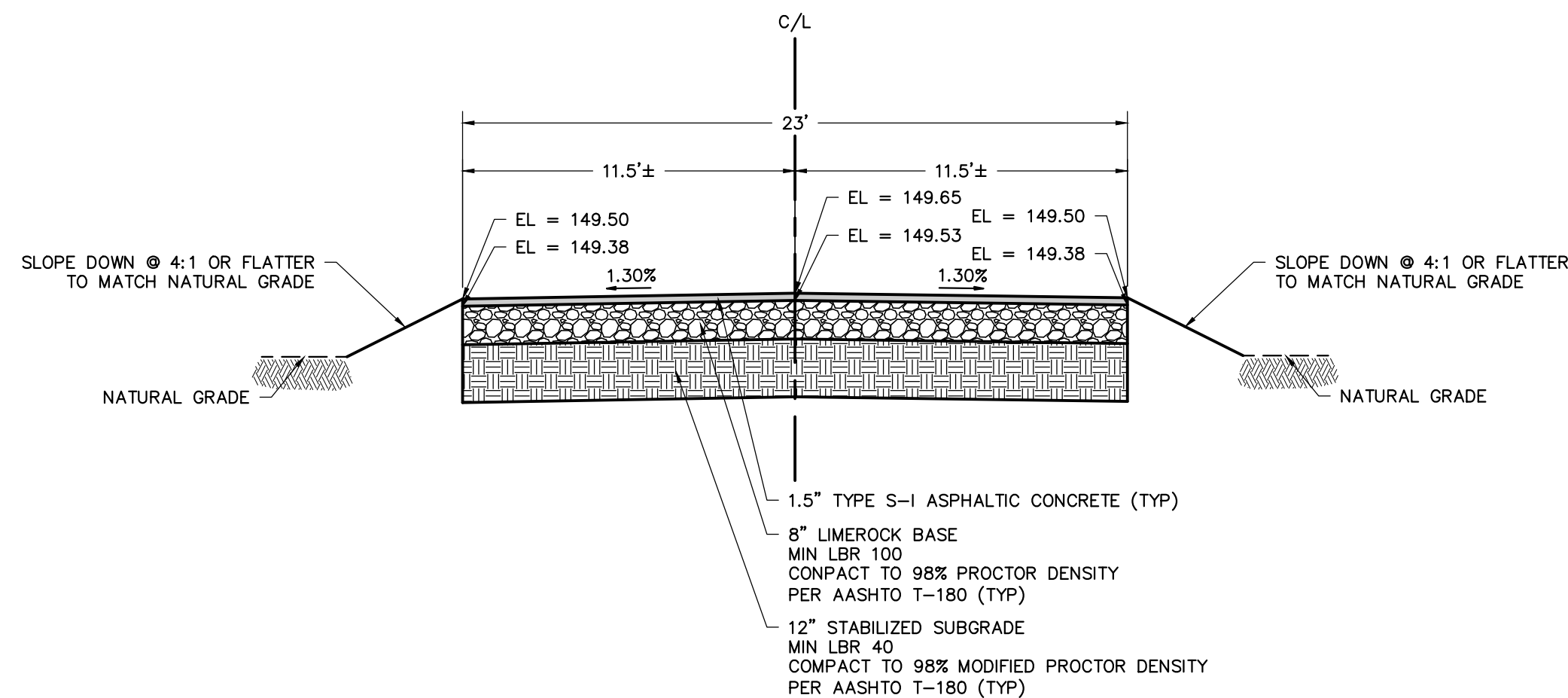
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CLIENT:		BRUCE SHERMAN GAINESVILLE, FL		PROJECT NO:	560-22-01
PROJECT:		SOL ACRES RURAL SUBDIVISION		SHEET NO:	C4.3



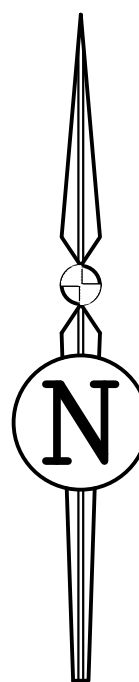
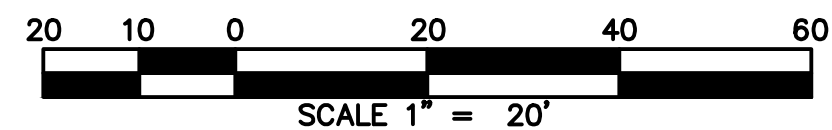
**TYPICAL SECTION A-A**  
**CR-22/156TH AVE**  
HORIZ: 1" = 5'  
VERT: 1" = 2.5'



**TYPICAL SECTION B-B**  
**NW 77TH COURT DRIVEWAY**  
HORIZ: 1" = 5'  
VERT: 1" = 2.5'

**LEGEND**

- PROPOSED ASPHALT PAVEMENT
- PROPOSED STABILIZED LIMEROCK



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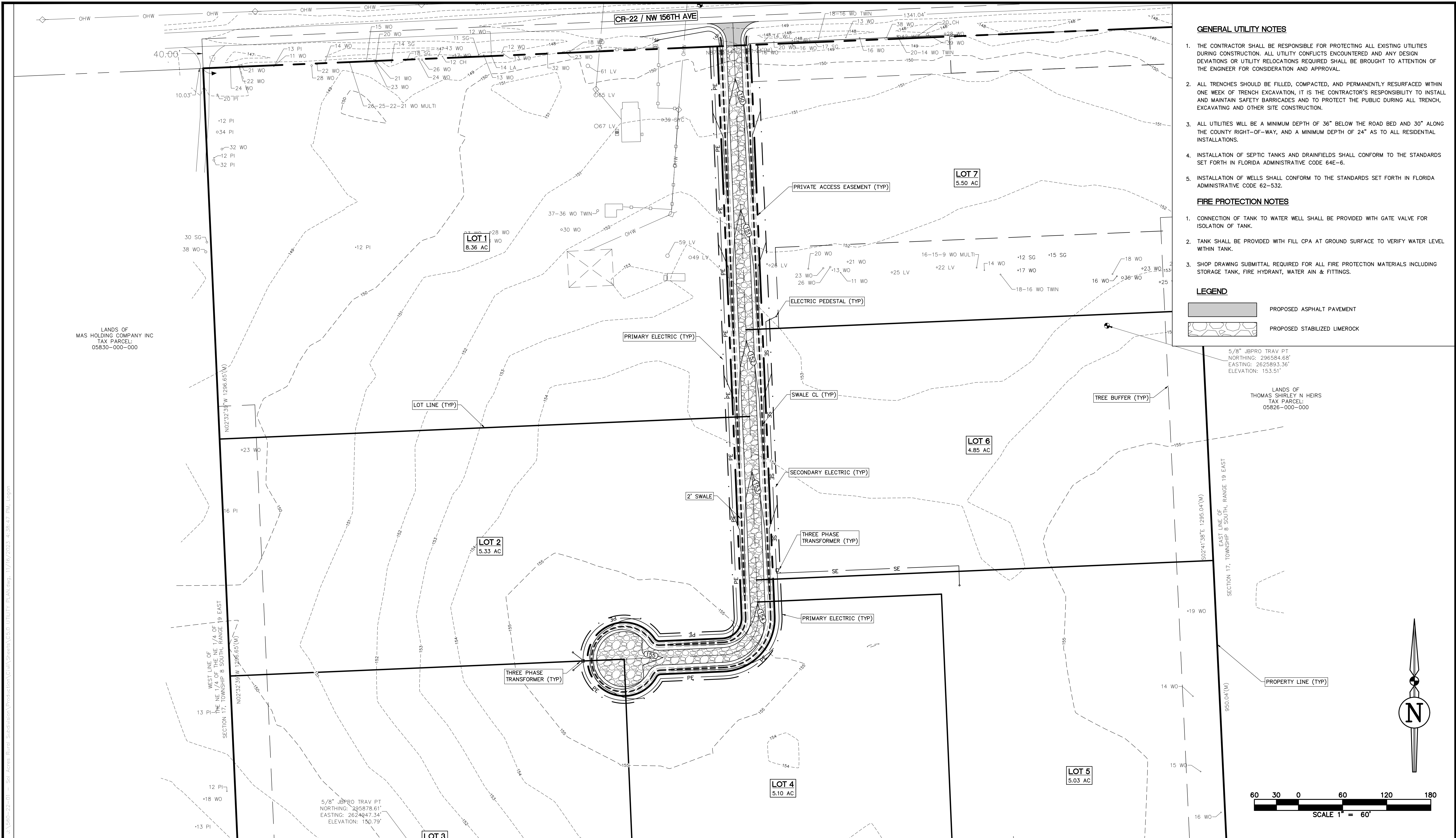
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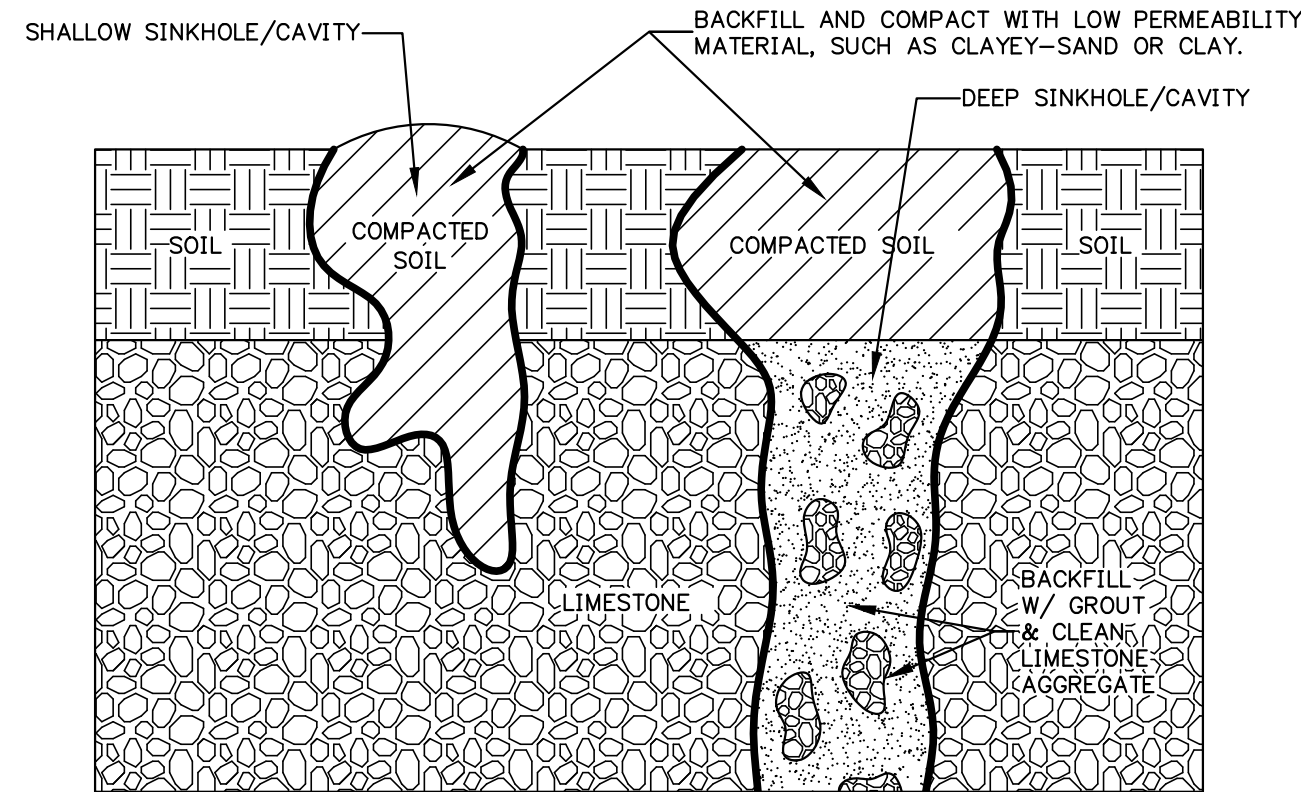
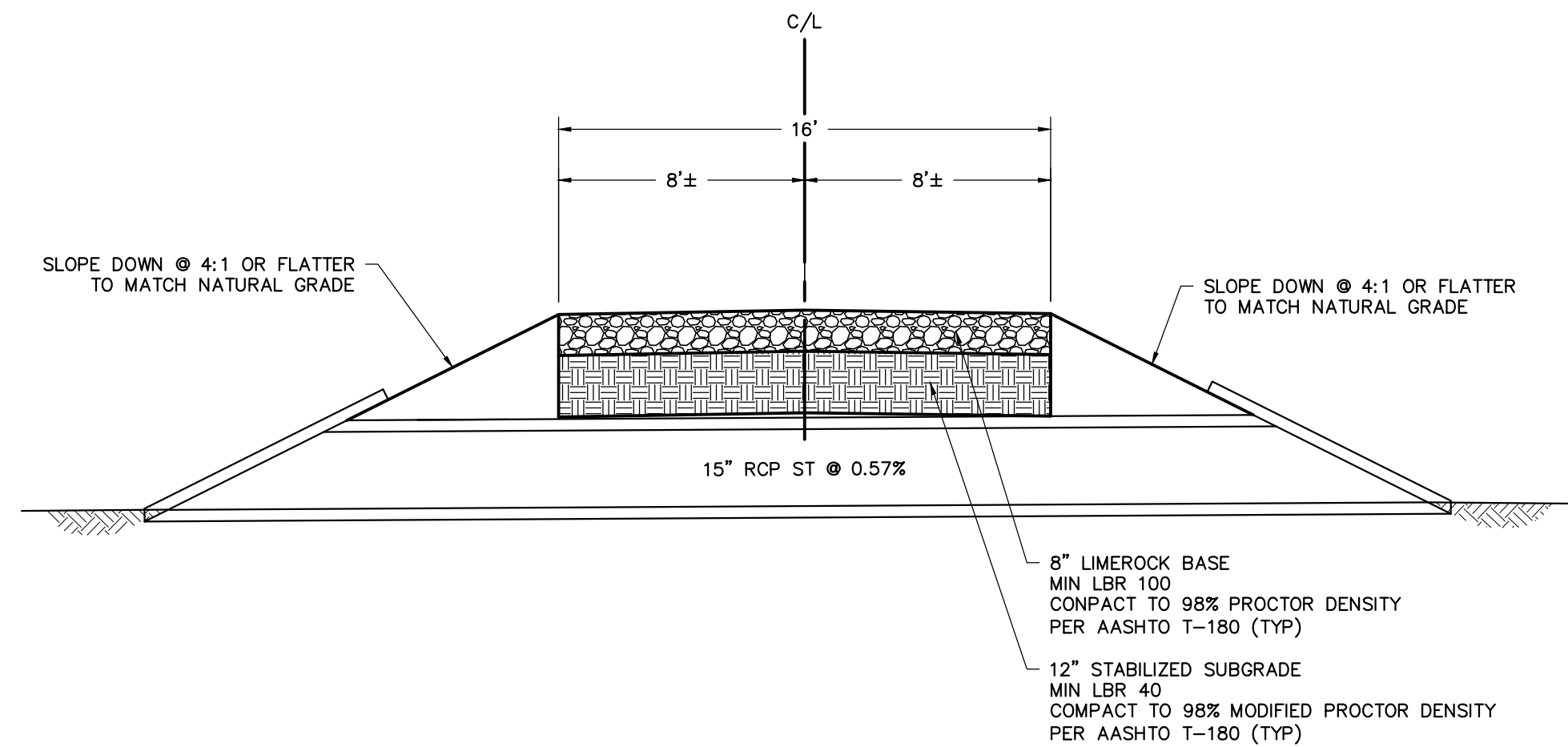
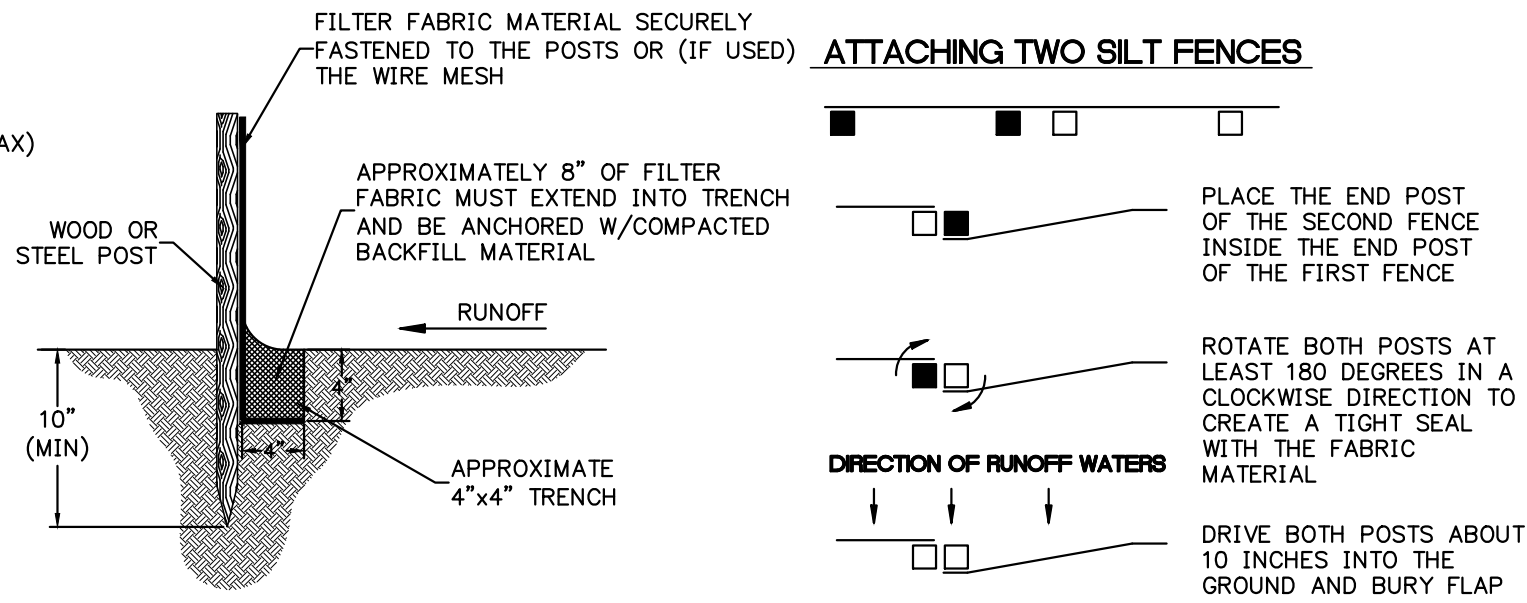
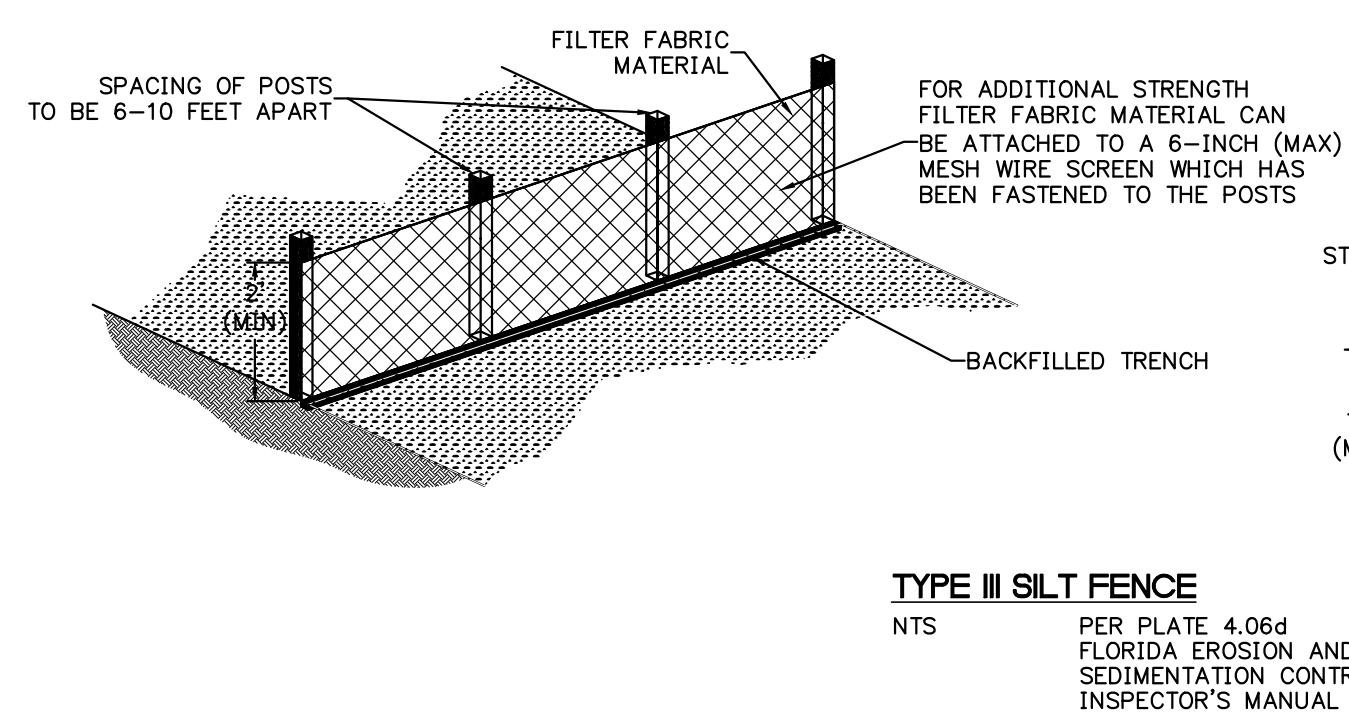
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CLIENT:		BRUCE SHERMAN GAINESVILLE, FL	PROJECT: SOL ACRES RURAL SUBDIVISION

DATE:	OCTOBER 2023
PROJECT NO:	560-22-01
SHEET NO:	C4.4



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NO.	DATE	DESCRIPTION				LOGAN B. PETERS, PE	FLORIDA LICENSE NO. 88516			UTILITY PLAN		OCTOBER 2023	
								THIS DOCUMENT IS ISSUED FOR THE PURPOSE OF REVIEW ONLY AND IS NOT INTENDED FOR FINAL PERMITTING, BIDDING, OR CONSTRUCTION PURPOSES.		CLIENT:		PROJECT:	
										BRUCE SHERMAN GAINESVILLE, FL		SOL ACRES RURAL SUBDIVISION	
										PROJECT NO:		SHEET NO:	
										560-22-01		C5.0	

J:\60-22-01 - Sol Acres Rural Subdivision\Production\Civil\Sheet\C6.0 DETAILS AND NOTES.dwg, 11/16/2021 4:32:15 PM, Login



SHALLOW AND DEEP SINKHOLE/CAVITY  
MAINTENANCE REPAIR DETAIL

NTS

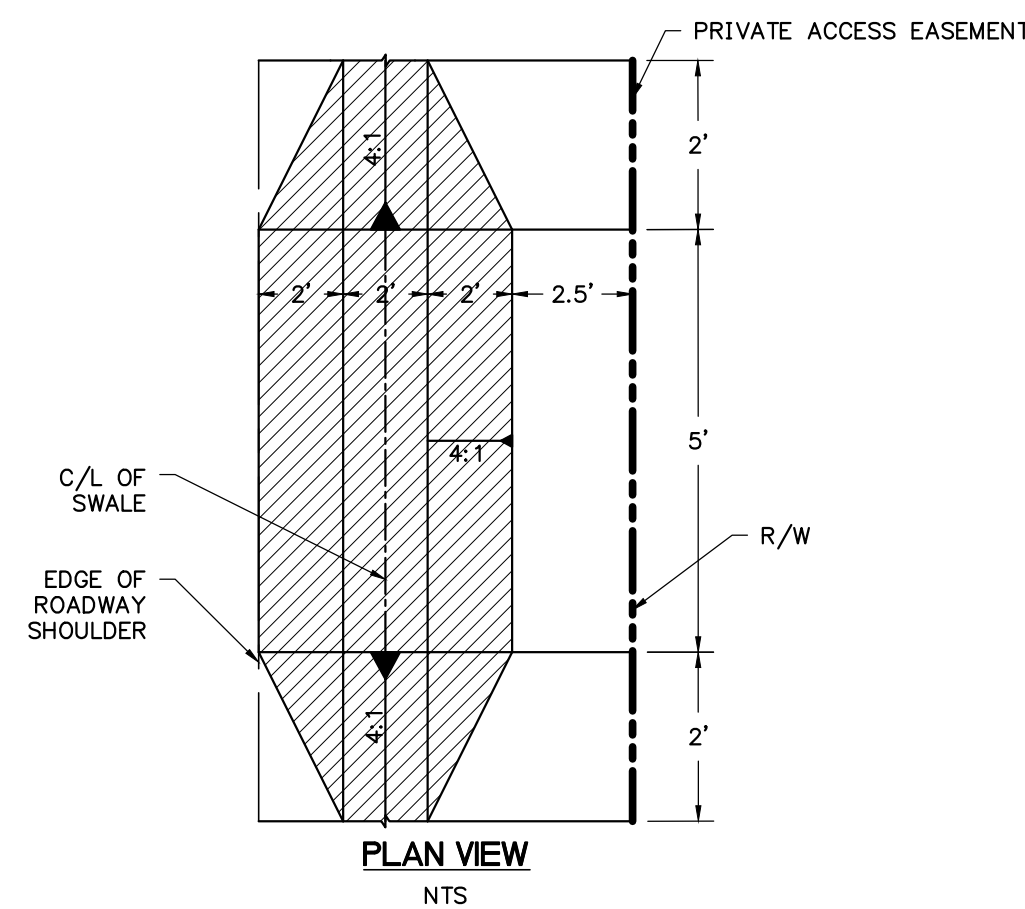
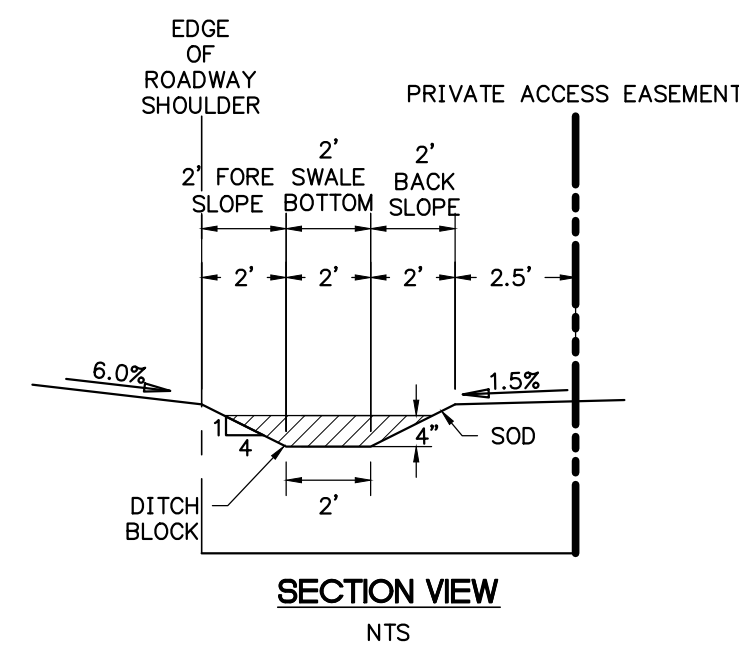
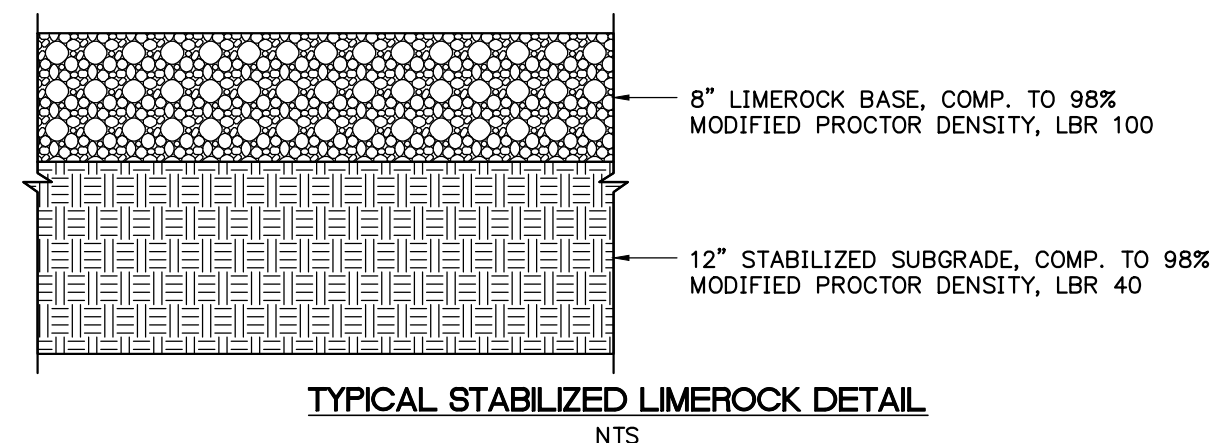
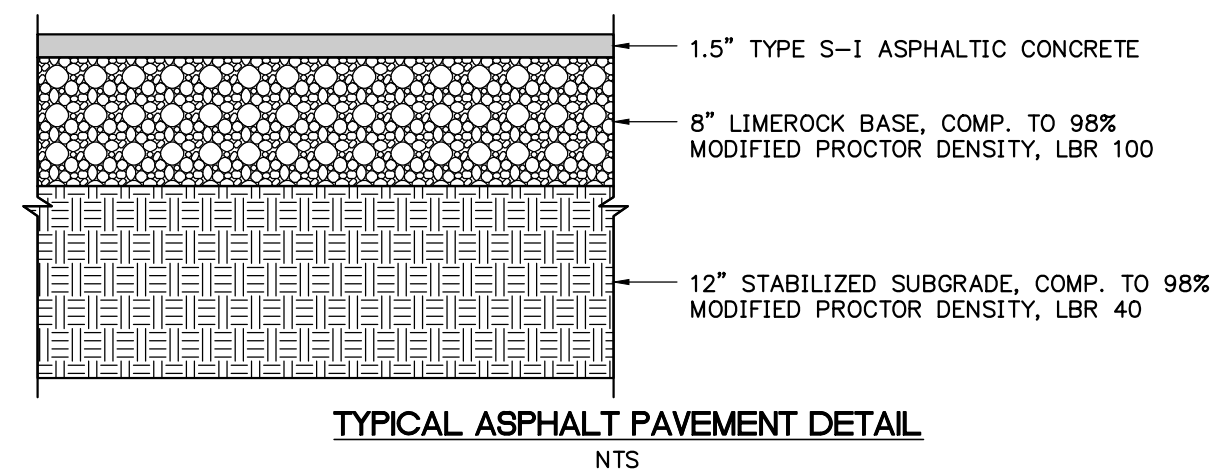
NOTES

IN THE EVENT THAT ANY KARST FEATURES SUCH AS SINKHOLES, SOLUTION CAVITIES, CHIMNEYS, ETC. ARE DISCOVERED DURING ROUTINE INSPECTIONS OF THE STORMWATER BASINS, THE FOLLOWING REMEDIATION PROCEDURE SHALL BE PERFORMED:

SHALLOW REPAIR (SEE DETAIL):  
IF THE COLLAPSE IS SHALLOW (<5' DEEP) AND THE VOIDS IN THE LIMESTONE ARE SMALL, THEN THE SINKHOLE CAN BE REPAIRED BY BACKFILLING WITH A LOWER-PERMEABILITY MATERIAL, SUCH AS CLAYEY-SAND OR CLAY. THE MATERIAL SHOULD BE COMPACTED AND THE REPAIR SHALL BE SLIGHTLY ABOVE THE ORIGINAL BOTTOM IN ORDER TO CREATE A SMALL MOUND TO ACCOUNT FOR SETTLING.

DEEP REPAIR (SEE DETAIL):  
IF THE COLLAPSE IS DEEP, THEN THE REPAIR SHALL BE MORE PERMANENT. THE COLLAPSE SHALL BE EXCAVATED TO THE LIMESTONE BEDROCK. THE VOID(S) IN THE BEDROCK SHALL BE PLUGGED WITH CLEAN GROUT. A LOW PERMEABILITY MATERIAL SHALL BE PLACED OVER THE CONCRETE PLUG. THE MATERIAL SHALL BE COMPACTED AND BROUGHT TO EXISTING BASIN BOTTOM.

NOTIFICATION:  
THE SUWANNEE RIVER WATER MANAGEMENT DISTRICT (SRWMD) SHALL BE NOTIFIED OF ANY SINKHOLE DEVELOPMENT WITHIN 48 HOURS OF DISCOVERY AND THE PROPOSED METHOD BY WHICH THE SINKHOLE WILL BE REPAIRED SHALL BE SUBMITTED TO THE SRWMD FOR APPROVAL WITHIN 30 DAYS. THE SRWMD WILL THEN NOTIFY THE RESPONSIBLE PARTY AS TO THE ACCEPTANCE, DENIAL OR NEED FOR MODIFICATION OF THE REPAIR METHOD.



DITCH BLOCK DETAIL

NOTE: DITCH BLOCK SIDES AND TOP SHALL BE SODDED. PROVIDE SOD 18" IN ALL DIRECTIONS AROUND THE DITCH BLOCK.

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DETAILS AND NOTES		OCTOBER 2023	
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		560-22-01	
CLIENT:		PROJECT:	
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SHEET NO:		C6.0	