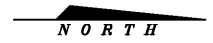


0 1 2 3 4
Inches

LEGEND

- SLOPE
- DRAINAGE STRUCTURES
- PROPOSED ELEVATION
- MITERED END SECTION (MES)
- EXISTING SPOT ELEVATION
- PROPOSED CONCRETE SITE SIDEWALK & PADS
- PROPOSED DRAINAGE PIPE
- EXISTING DRAINAGE PIPE
- EXISTING PROPERTY ROW LINE
- PROPOSED HIGH POINT
- PROPOSED SWALE (SEE DETAIL BELOW)
- PROPOSED OFFSITE ASPHALT PAVEMENT (SEE SHEETS 07.1-7)
- YARD DRAIN (SEE DETAIL, CFG09.0)
- PROPOSED RIP RAP (SEE SPECS, CFG09.5A)
- PROPOSED HEAVY DUTY CONCRETE (SEE TANK AND PUMP PLANS FOR DETAILS CFG14.0-14.7)

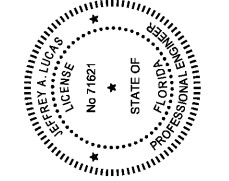


0 10 20 40 60
GRAPHIC SCALE IN FEET
FULL SIZE: 1" = 20'
HALF SIZE: 1" = 40'

ABBREVIATIONS:

- TYP. - TYPICAL
- HP - HIGH POINT
- E/P - EDGE OF PAYMENT
- T/C - TOP OF CURB
- T/S - TOP OF SIDEWALK
- T/W - TOP OF WALL
- S/W - SIDEWALK
- R/O - REQUIRED
- MEG - MATCH EXISTING GRADE
- C.O. - CLEAN OUT
- DS - DOWNSPOUT
- P/L - PROPERTY LINE
- TBD - TO BE DETERMINED
- INT - INTERPOLATED
- EOR - ENGINEER OF RECORD
- YD - YARD DRAIN
- EX - EXISTING

JEFFREY LUCAS, P.E.
FLORIDA REG. NO. 71921



NOTES:

1. CIVIL SITE WORK (GRADING, PAVING, CONCRETE INSTALLATION, DRAINAGE) SHALL BE CROSS REFERENCED TO ARCHITECTURAL PLANS. OVERLAPPING INFORMATION PROVIDED HEREIN IS SUBJECT TO INTERDISCIPLINE COORDINATION. CONTRACTOR TO COORDINATE ACCORDINGLY.
2. REINFORCED CONCRETE PIPE SHALL BE CLASS III OR GREATER WITHIN COUNTY AND/OR FDOT ROW.
3. DOWNSPOUT COLLECTION SYSTEM (BOXES, BACKWATER VALVES, ECT) PER PLUMBING PLANS (SHOWN FOR ILLUSTRATIVE PURPOSES ONLY)
4. REFER TO STRUCTURAL/ARCHITECTURAL PLANS FOR CONSTRUCTION & EXPANSION JOINT DETAILS WHERE SIDEWALKS ABUT BUILDINGS.
5. CONCRETE JOINT (EXPANSION, CONTROL, ETC.) LAYOUT IS THE RESPONSIBILITY OF THE CONTRACTOR.
6. CONTRACTOR TO FIELD VERIFY PIPE COVER AND CLEARANCES DURING CONSTRUCTION AND NOTIFY ENGINEER PRIOR TO TRENCH CLOSURE WHEN MINIMUM REQUIREMENT CANNOT BE ACHIEVED. CONCRETE ENCASUREMENT MAY BE NECESSARY.
7. ROOF DRAIN LEADERS ARE LOCATED TO THE BEST EXTENT PRACTICAL. EXACT LOCATION MAY VARY AND/OR REQUIRE FIELD VERIFICATION. EXACT SIZES TO BE VERIFIED WITH PLUMBING PLANS.
8. ALL CLEANOUTS RIMS/COLLARS TO MATCH FINAL GRADE ACCORDINGLY.
9. CONTRACTOR TO COORDINATE CONSIDERATION FOR LANDSCAPE IMPROVEMENTS (TOP SOIL, MULCH, VEGETATION, ETC.) WHEN ESTABLISHING ROUGH AND FINAL GRADES.
10. MATCH EXISTING GRADES AT SITE PERIMETER UNLESS SHOWN OTHERWISE.
11. ALL STREET & STORMWATER CONSTRUCTION SHALL BE IN ACCORDANCE WITH BREVARD COUNTY TECHNICAL SPECIFICATIONS.
12. DRAINAGE SYSTEM WITHIN PROPERTY LINES IS CONSIDERED PRIVATE TO BE MAINTAINED BY CUMBERLAND FARMS. DRAINAGE SYSTEM WITHIN RIGHT OF WAY TO BE PUBLIC AND MAINTAINED BY FDOT AND BREVARD COUNTY.
13. ALL ASPHALT CUTS ARE TO BE STRAIGHT CUTS NO "JIG SAW" PUZZLE CUT.
14. ALL PRACTICAL EFFORTS HAVE BEEN MADE TO RETAIN RUNOFF ONSITE, HOWEVER IN CERTAIN AREAS STORMWATER RUNOFF COULD NOT BE CONTAINED AND WILL FLOW INTO THE FDOT RIGHT OF WAY. PRE-POST DISCHARGE REQUIREMENTS HAVE BEEN MET FOR ALL FDOT CRITICAL STORM EVENTS.
15. ALL DISTURBED OFFSITE EARTHEN AREAS SHALL BE SODDED WITH COMMON BERMUDA OR BAHIA GRASS.
16. A BUILDING PERMIT SHALL BE OBTAINED THROUGH BREVARD COUNTY FOR CONSTRUCTION OF THE CONCRETE WALL ADJACENT TO THE PROPERTY TO THE NORTH.
17. ALL CLEANOUT COVERS LOCATED IN THE SIDEWALK SURROUNDING THE BUILDING SHALL BE FLUSHED WITH THE GROUND TO MEET A.D.A. REQUIREMENTS.

RETENTION AREA CONSTRUCTION NOTES:

1. NATURAL GRADE AT POND BOTTOM/SLOPE AREAS TO BE STRIPPED, CLEARED, AND GRUBBED, OF ORGANIC AND PARENT SOIL CONTAINING FINES TO A DEPTH OF 12-18 INCHES, THEN DEEP RAKED.
2. ROUGH GRADE AND EXCAVATE. CONTRACTOR SHALL USE LIGHT CONSTRUCTION EQUIPMENT, AS PRACTICAL, TO AVOID UNDUE COMPACTION OF SAND.
3. AFTER DRAINAGE AREA CONTRIBUTING TO POND HAS BEEN FULLY STABILIZED, THE INTERIOR SIDE SLOPES AND POND BOTTOM SHOULD BE CONSTRUCTED TO FINAL DESIGN SPECIFICATIONS.
4. DEEP RAKE POND BOTTOM.
5. SOD POND BOTTOM WITH SAND GROWN SOD, NOT MUCK GROWN.
6. CONTRACTOR SHALL PROVIDE POST-CONSTRUCTION PERCOLATION TESTS WITHIN THE RETENTION AREA(S). A MINIMUM OF TWO TESTS SHALL BE PROVIDED AND SUPPLIED TO THE EOR PRIOR TO FINAL ACCEPTANCE. IF PERCOLATION RATES TESTED FAIL TO MEET DESIGN TOLERANCES, OVER-EXCAVATION AND SELECT BACKFILL SHALL BE REQUIRED.

CUT/FILL SUMMARY:

- 1,425 CY OF IMPORTED FILL - ESTIMATED 3 DAYS AND 119 TRIPS
- 3,178 CY OF EXPORTED SOIL - ESTIMATED 6 DAYS AND 265 TRIPS

EARTHWORK ANTICIPATED FOR 9 DAYS BASED ON ASSUMPTION OF (5) 12CY DUMP TRUCK FLEET. EACH TRUCK MAKING 9-10 TRIPS DURING A 10 HOUR WORK DAY. REQUIRED FILL WILL COME FROM OFFSITE BORROW LOCATION FROM UNSPECIFIED SOURCE WITHIN BREVARD COUNTY.

| Rev | Date | Description | By | Checked |
|-----|----------|-------------------------|----|---------|
| 1 | 11/7/18 | BREVARD COUNTY COMMENTS | CP | JL |
| 2 | 12/10/18 | BREVARD COUNTY COMMENTS | CP | JL |
| 3 | 03/04/19 | BREVARD COUNTY COMMENTS | CP | JL |
| 4 | 03/24/19 | BREVARD COUNTY COMMENTS | CP | JL |
| 5 | 09/30/19 | PER CLIENT COMMENTS | CP | JL |

Drawing Status: **FOR PERMITTING** Submittal: **\$0**

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Project Title:
MICCO ROAD & US-1 BREVARD COUNTY, FL
100060192

Drawing Title:
PAVING, GRADING AND DRAINAGE PLAN

| Scale | Designed | Drawn | Checked | Authorized |
|----------------|----------|-------|---------|------------|
| | JL | DF | | |
| Original Size | Date | Date | Date | Date |
| ARCHD | | | | |
| Drawing Number | Revision | | | |
| CFG05.0 | | | | |

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Order Plans

