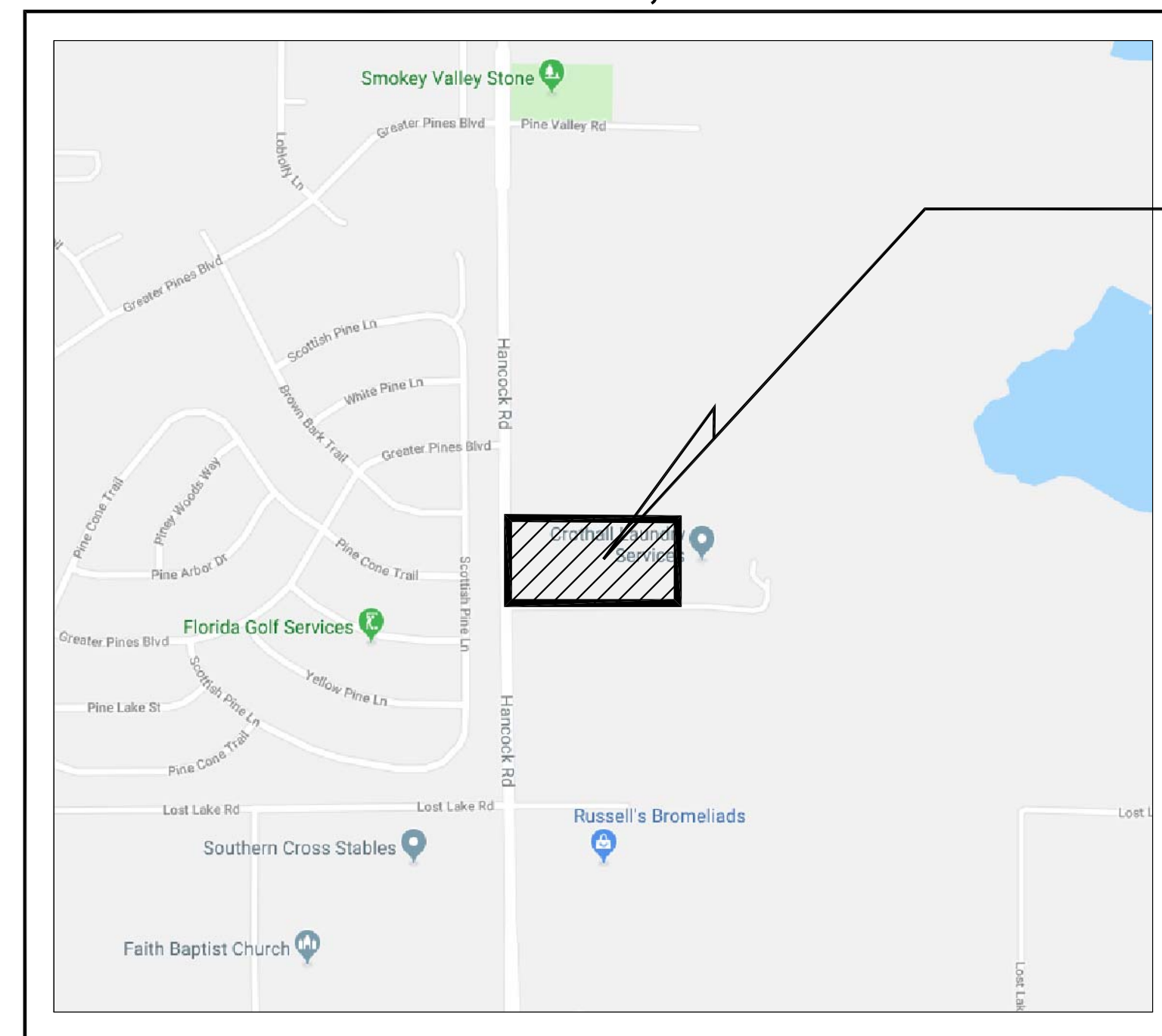


CONSTRUCTION PLAN FOR CLERMONT COMMERCE CENTER HANCOCK ROAD CLERMONT, FLORIDA

PARCEL ID# 34-22-26-000200000700, 34-22-26-000200000800, 34-22-26-000200000900,
34-22-26-000200000500, AND 34-22-26-000200000400
CITY OF CLERMONT, FLORIDA
AUGUST, 2018



LOCATION MAP
SECTION 26, TOWNSHIP 23 S, RANGE 30 E
SCALE : NTS

PROJECT LOCATION

Property Description

PARCEL 1

East 241 feet of North 1/2 of that portion of the following described land lying North of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida; The South 1575 feet of the West 1660 feet of the North 1/2 of Section 34, Township 22 South, Range 26 East, Lake County, Florida, Less the North 726 feet of East 900 feet thereof.

PARCEL 2

The North 1/2 of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida.

and

(The East 241 feet of) The South 1/2 of that portion of the following described land lying North of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida; The South 1575 feet of the West 1660 feet of the North 1/2 of Section 34, Township 22 South, Range 26 East, Lake County, Florida, Less the North 726 feet of the East 900 feet thereof.

PARCEL 3

Commence at the Northeast corner of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida, thence run South 00°30'05" East along the East line of said Tract B for a distance of 30.00 feet to the centerline of said Tract B; thence run North 89°57'31" West along said centerline for a distance of 241.00 feet to the Point of Beginning; thence continue North 89°57'31" West along said centerline for a distance of 479.00 feet to the East right of way line of Hancock Road; thence run North 00°30'05" West along said East right of way line for a distance of 30.00 feet to the Northwest corner of said Tract B; thence run North 89°57'27" West for a distance of 15.00 feet to the East right of way line of Hancock Road; thence run North 00°30'05" West along said East right of way line for a distance of 168.92 feet; thence run South 89°57'27" East for a distance of 494.00 feet; thence run South 00°30'05" East for a distance of 198.91 feet to the Point of Beginning, less and except any portion lying within the North 1/2 of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida.

PARCEL 4

Commence at the Northeast corner of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida, thence run South 00°30'05" East along the East line of said Tract B for a distance of 30.00 feet to the centerline of said Tract B; thence run North 89°57'31" West along said centerline for a distance of 241.00 feet; thence run North 00°30'05" West for a distance of 375.91 feet to the Point of Beginning; thence run North 89°57'27" West for a distance of 494.00 feet to the East right of way line of Hancock Road; thence run North 00°30'05" West along said East right of way line for a distance of 198.91 feet; thence run South 89°57'27" East for a distance of 494.00 feet; thence run South 00°30'05" East for a distance of 177.00 feet to the Point of Beginning.

PARCEL 5

Commence at the Northeast corner of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida, thence run South 00°30'05" East along the East line of said Tract B for a distance of 30.00 feet to the centerline of said Tract B; thence run North 89°57'31" West along said centerline for a distance of 241.00 feet; thence run North 00°30'05" West for a distance of 375.91 feet to the Point of Beginning; thence run North 89°57'27" West for a distance of 494.00 feet to the East right of way line of Hancock Road; thence run North 00°30'05" West along said East right of way line for a distance of 177.00 feet to the North line of the South 1575.00 feet of the North 1/2 of Section 34, Township 22 South, Range 26 East, thence run South 89°57'27" East along said North line for a distance of 494.00 feet; thence run South 00°30'05" East for a distance of 177.00 feet to the Point of Beginning.

BOUNDARY SURVEY FOR/CERTIFIED TO: MCDONALD DEVELOPMENT; FIDELITY NATIONAL TITLE

NOTES:

- 1) SITE SHALL COMPLY WITH THE FLORIDA FIRE PREVENTION CODE, 6TH EDITION.
- 2) SEPARATE PERMITS ARE REQUIRED FOR THE FOLLOWING IF APPLICABLE: FIRE SPRINKLERS, FIRE ALARM, DUMPSTER ENCLOSURE, FIRE UNDERGROUND, FIRE ALARM MONITORING.
- 3) SITE SHALL COMPLY WITH THE FLORIDA BUILDING CODE 6TH EDITION (2017) ACCESSIBILITY.
- 4) SEPARATE PERMITS ARE REQUIRED FOR THE FOLLOWING IF APPLICABLE: CONSTRUCTION TRAILERS, SALES CENTERS, DUMPSTER ENCLOSURE, LIFT STATIONS, SWIMMING POOLS, PLAYGROUND EQUIPMENT, SIGNS, RETAINING WALLS, ENTRY WALL FEATURES, SITE LIGHTNING, GENERATORS, FENCES, AWNINGS, GREASE TRAPS, ETC.

DEVELOPER/APPLICANT:
MCDONALD DEVELOPMENT COMPANY
1540 NORTHSIDE PARKWAY, BLDG 200
SUITE 700
ATLANTA, GA 30327
CONTACT: GREG TOEPP
PHONE: (407) 536-5323
FAX: (407)536-5301

ARCHITECT:
C4 ARCHITECTURE
135 WEST CENTRAL BOULEVARD
SUITE 410
ORLANDO, FL 32801
CONTACT: DARWIN REYES
PHONE: (407) 363-6136 x203
EMAIL: dreyes@c4architecture

ENGINEER:
LINN ENGINEERING & DESIGN
P.O. BOX 140024
ORLANDO, FL 32814
CONTACT: CHAD S. LINN, P.E.
PHONE: 407-252-6433
EMAIL: clinn@linnengineering.com

SURVEYOR:
GRUSENMEYER - SCOTT AND ASSOCIATES
5400 EAST COLONIAL DRIVE,
ORLANDO, FLORIDA 32807
CONTACT: TIM GRUSENMEYER
PHONE: (407) 277-3232
EMAIL: gruscott@gruscott.com

UTILITY PROVIDERS:

WATER/SEWER:
CITY OF CLERMONT
ENVIRONMENTAL SERVICES
3335 HANCOCK ROAD
CLERMONT, FL 34711
(352) 241-0178

NATURAL GAS:
LAKE APOPKA NATURAL GAS
1320 WINTER GARDEN VINELAND ROAD
WINTER GARDEN, FLORIDA 34787
(407) 656-2734

TELEPHONE/CABLE:
CENTURYLINK
33 N MAIN ST, RM 144
WINTER GARDEN, FL 34767
(407) 814-5293

ELECTRICITY:
DUKE ENERGY
2001 OLD SCENIC HIGHWAY
LAKE WALES, FL 33853
(407) 905-3321

SOLID WASTE:
LAKE COUNTY SOLID WASTE DIVISION
13130 COUNTY LANDFILL ROAD
TAVARES, FL 32778
(352) 343-3776

CITY OF LEESBURG
318 SOUTH 2ND STREET
LEESBURG, FL 34765
(352) 728-9800

DRAWING INDEX

- | | |
|-----------|--|
| C1 | COVER |
| C2 - C2A | CLERMONT GENERAL NOTES |
| C3 | EXISTING CONDITION AND DEMOLITION PLAN |
| C4 | SITE PLAN |
| C5 | PAVING, GRADING AND DRAINAGE PLAN |
| C6 | UTILITY PLAN |
| C9 | FIRE TRUCK ROUTE PLAN |
| C10 | SECTIONS |
| C11 | CONSTRUCTION DETAILS |
| C13 - C17 | CLERMONT STANDARD DETAILS |
| SWPPP-1 - | EROSION CONTROL & STORMWATER POLLUTION |
| SWPPP-2 | PREVENTION PLAN & DETAILS |

Drawing name: \\cnd-server\z\Projects\2600-MCD00\17-300-Clermont-BTS\Cadd-Civil\Clermont.C01 cover Sheet.dwg C:\COVER SHEET Oct. 10, 2018 11:45am by: Eric

COVER SHEET CLERMONT COMMERCE CENTER HANCOCK ROAD CLERMONT FLORIDA	FLORIDA LAKE COUNTY						
DESIGN ENGINEER: CHAD S. LINN, P.E. FLORIDA REGISTRATION NUMBER: 57524 SEAL	REVISIONS <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>No.</th> <th>REVISIONS</th> <th>DATE</th> </tr> <tr> <td> </td> <td> </td> <td> </td> </tr> </table>	No.	REVISIONS	DATE			
No.	REVISIONS	DATE					
SCALE: NOTED DESIGNED BY: EPL DRAWN BY: EPL CHECKED BY: EPL	LINN ENGINEERING & DESIGN INC. P.O. BOX 140024 ORLANDO, FL 32814 PHONE: 407-252-6433 clinn@linnengineering.com						
DATE 8/21/2018 PROJECT NO. 2600-17-300 SHEET NUMBER C1							

Drawing name: \\cand-server\z\Projects\2600-MCD00\17-300-Clermont-BTS\Cadd-Civil\Clermont C02 NOTES.dwg C2A CLERMONT GENERAL NOTES Oct 10, 2018 11:49am by Eric

PIPE IDENTIFICATION

3" METALLIC LOCATOR TAPE SHALL BE BURIED IN THE WATER MAIN TRENCH 18" DIRECTLY ABOVE THE WATER MAIN. A CONTINUOUS COPPER DETECTOR WIRE SHALL BE ATTACHED AS SHOWN ON THE WATER DETAIL SHEET. WIRE CONNECTIONS (SPICES) SHALL BE DONE WITH WIRE NUT AND GREASE FILLED PROTECTIVE CAP.

ALL PIPE AND PIPE FITTINGS SHALL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUB- PARAGRAPH 62-555.320(21)(b)3, F.A.C., USING BLUE AS A PREDOMINANT COLOR. (UNDERGROUND PLASTIC PIPE SHALL BE SOLID-WALL BLUE PIPE, SHALL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN OR SHALL BE WHITE OR BLACK PIPE WITH BLUE STRIPES INCORPORATED INTO, OR APPLIED TO, THE PIPE WALL; AND UNDERGROUND METAL OR CONCRETE PIPE SHALL HAVE BLUE STRIPES APPLIED TO THE PIPE WALL. PIPE STRIPED DURING MANUFACTURING OF THE PIPE SHALL HAVE CONTINUOUS STRIPES THAT RUN PARALLEL TO THE AXIS OF THE PIPE, THAT ARE LOCATED AT NO GREATER THAN 90-DEGREE INTERVALS AROUND THE PIPE, AND THAT WILL REMAIN INTACT DURING AND AFTER INSTALLATION OF THE PIPE. IF TAPE OR PAINT IS USED TO STRIPE PIPE DURING INSTALLATION OF THE PIPE, THE TAPE OR PAINT SHALL BE APPLIED IN A CONTINUOUS LINE THAT RUNS PARALLEL TO THE AXIS OF THE PIPE AND THAT IS LOCATED ALONG THE TOP OF THE PIPE; FOR PIPE WITH AN INTERNAL DIAMETER OF 24 INCHES OR GREATER, TAPE OR PAINT SHALL BE APPLIED IN CONTINUOUS LINES ALONG EACH SIDE OF THE PIPE AS WELL AS ALONG THE TOP OF THE PIPE. ABOVE GROUND PIPE SHALL BE PAINTED BLUE OR SHALL BE COLOR CODED OR MARKED LINE UNDERGROUND PIPE.) RHINO TRIVIEW FLEXMARKING POST SHALL BE PLACED ON ALL TRANSMISSION MAINS AT 500 FEET.

DISINFECTION AND TESTING

ALL PIPE SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651.86.

PVC WATER MAINS SHALL BE INSTALLED; PRESSURE AND LEAK TESTED IN ACCORDANCE WITH AWWA C605 AND DUCTILE IRON WATER MAINS IN ACCORDANCE WITH AWWA C600, [62-555.320(21)(B) 1 AND 62-555.330, F.A.C.] ALL INSTALLATION, TESTING AND FIELD PROCEDURES MUST BE PROVIDED AND MUST CONFORM TO THE APPLICABLE AWWA STANDARDS.

THE CONTRACTOR SHALL PROVIDE AT HIS OWN EXPENSE ALL NECESSARY TEST PUMPING EQUIPMENT, WATER, WATER METERS, PRESSURE GAUGES AND OTHER EQUIPMENT, MATERIAL AND FACILITIES REQUIRED FOR ALL HYDROSTATIC AND LEAKAGE TESTING. CONTRACTOR SHALL CONTACT THE ENGINEER, OWNER/OPERATOR AND CITY IN WRITTEN FORM, FORTY EIGHT (48) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRETESTING PRIOR TO NOTIFICATION.

THE WATER SYSTEM SHALL BE SOAK TESTED 24 HOURS @150 PSI AND TESTED FOR LEAKAGE AT 150 PSI FOR TWO (2) HOURS, WITH ALLOWABLE LEAKAGE IN ACCORDANCE WITH ABOVE STANDARDS.

CONTRACTOR SHALL OBTAIN A COPY OF THE FDEP WATER SYSTEM PERMIT AND PULL BACTERIOLOGICAL TEST SAMPLES FROM THE SAMPLE POINTS SPECIFIED IN THAT PERMIT. CONTINUITY TEST SHALL BE PERFORMED ON WIRE BY CONTRACTOR.

CONNECTIONS TO EXISTING WATER MAINS

PRIOR TO THE CONNECTION TO ANY EXISTING MAIN, THE PROPOSED WATER MAIN SHALL BE DISINFECTED, HAVE ENGINEER APPROVED PRESSURE TESTING AND HAVE FDEP CLEARANCE. REFER TO FDEP PERMIT FOR ANY ADDITIONAL REQUIREMENTS.

ASBUILT DRAWINGS

THE CONTRACTOR SHALL PROVIDE VERTICAL AND HORIZONTAL "ASBUILT" INFORMATION RELATIVE TO ALL CONSTRUCTED UTILITIES AND STRUCTURES. THREE SETS SHALL BE PROVIDED FOR REVIEW. ONCE APPROVED BY THE UTILITY, ONE REPRODUCIBLE SET SHALL BE PROVIDED.

AS-BUILT INFORMATION FOR THE WATER SYSTEM SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

1. LOCATION OF ALL VALVES, FITTINGS, HYDRANTS AND SERVICES – HORIZONTAL AND VERTICAL.
2. LOCATION OF THE WATER MAIN TIED WITH COORDINATES FOR THE SUBDIVISION.
3. CERTIFICATION AS TO THE SYSTEM MEETING THE MINIMUM COVER REQUIREMENTS.
4. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION WHICH DEVIATES FROM THE APPROVED ENGINEERING PLANS.
5. UTILITY LOCATES ON SYSTEMS INSTALLED UNDER THIS CONTRACT SHALL REMAIN THE RESPONSIBILITY OF THE CONTRACTOR/DEVELOPER UNTIL ASBUILT DRAWINGS ARE REVIEWED AND APPROVED BY THE UTILITY.

SANITARY SEWER NOTES

1. ALL PRESSURE PIPE UNDER ROADWAY SHALL BE DIP EXTENDING 5' FROM EDGE OF PAVEMENT.

MAINS AND MANHOLES

1. ALL GRAVITY SANITARY SEWER MAINS, LATERALS, AND APPURTENANCES SHALL BE CONSTRUCTED OF SDR26 PVC PIPE MEETING ASTM 3034, AND SHALL HAVE A MINIMUM COVER OF THREE (3) FEET.
2. WHERE REQUIRED, MAINS SHALL BE CLASS 150 DUCTILE IRON PIPE (DIP) MEETING AWWA C150 AND C151. MAINS SHALL BE 60 MIL EPOXY COATED WITH POLYETHYLENE WRAP CONFORMING TO AWWA C150.
3. ALL PVC PIPE SHALL BEAR THE NSF-DW SEAL.
4. JOINTS SHALL BE INTEGRAL BELL ELASTOMERIC GASKET JOINTS MANUFACTURED IN ACCORDANCE WITH ASTM D3212 AND ASTM F477. APPLICABLE UNI-BELL PLASTIC PIPE ASSOCIATION STANDARD IS UNI-B-7.
5. ALL SANITARY MANHOLES SHALL BE PRECAST CONCRETE WITH A MINIMUM WALL THICKNESS OF FIVE (5) INCHES FOR INSIDE DIAMETER OF FOUR (4) FEET.
6. MANHOLES SHALL MEET ASTM C-478. RING AND COVER SHALL BE TRAFFIC BEARING H-20 CLASS 30 MEETING ASTM A-48.
7. INTERIOR AND EXTERIOR WALLS OF ALL MANHOLES SHALL HAVE A MINIMUM OF TWO (2) 8 MIL COATS OF AN APPROVED PROTECTIVE COAL TAR EPOXY.
8. ALL MAINS NOT LOCATED UNDER PAVEMENT SHALL BE MARKED BY A 3" METALLIC LOCATOR TAPE AND TRACER WIRE 18" ABOVE THE CENTERLINE OF PIPE. DROP MANHOLE IF INVERT DIFFERENCE IS GREATER THAN OR EQUAL TO TWO (2) FEET. 3" METALLIC LOCATOR TAPE SHALL BE BURIED IN THE WATER MAIN TRENCH 18" DIRECTLY ABOVE THE WATER MAIN. A CONTINUOUS COPPER DETECTOR WIRE SHALL BE ATTACHED AS SHOWN ON THE WATER DETAIL SHEET.
9. LINING IS REQUIRED OF ALL MANHOLES WITH AN INCOMING SLOPE GREATER THAN 5%. ANY MANHOLE WITH FORCE MAIN TIE IN MUST BE LINED. SEE CITY OF CLERMONT APPROVED PRODUCT LIST.
10. NO DROP SHALL BE GREATER THAN 15 FEET.

LATERALS

1. ALL SERVICE LATERALS AND FITTINGS SHALL BE A MINIMUM OF 6" IN DIAMETER.
2. ALL LATERALS SHALL TERMINATE WITH A 4" CLEAN-OUT AT THE PROPERTY LINE, AND AT A DEPTH TO FINAL GRADE OF 3 FEET. SEE DETAILS FOR LOCATION.
3. THE END OF EACH SERVICE CONNECTION SHALL BE MARKED WITH A 2"x2"x2" ABOVE GRADE WOODEN STAKE OR APPROVED MARKER AND CURB MARKED WITH A "5".

FORCEMAINS

1. FORCEMAINS SHALL BE CLASS 350 EPOXY 401 LINED DIP. DIP PIPE SHALL HAVE INTEGRAL BELL PUSH ON TYPE JOINTS CONFORMING TO ASTM D3139.
2. ALL FITTINGS SHALL BE MECHANICAL JOINT DUCTILE IRON WITH 250 PSI MINIMUM PRESSURE RATING. SUITABLE COUPLINGS COMPLYING WITH ASTM SPECIFICATIONS ARE REQUIRED FOR JOINING DISSIMILAR MATERIALS.
3. 3" METALLIC LOCATOR TAPE SHALL BE BURIED IN THE WATER MAIN TRENCH 18" DIRECTLY ABOVE THE WATER MAIN. A CONTINUOUS COPPER DETECTOR WIRE SHALL BE ATTACHED AS SHOWN ON THE WATER DETAIL SHEET.
4. ALL MAINS SHALL HAVE A MINIMUM COVER OF THREE (3) FEET.
5. ALL CONNECTIONS TO EXISTING SEWER FORCEMAINS SHALL BE ACCOMPLISHED WITH A WET TAP AND RESTRAINTS.
6. PROVIDE JOINT RESTRAINT AS SHOWN ON THE WATER DETAIL SHEET.

7. AIR RELEASE AND VACUUM VALVE PRODUCTS SHALL ADHERE TO CITY OF CLERMONT APPROVED PRODUCT LIST.

TESTING

1. SEWAGE COLLECTION SYSTEM
 - A. ALL GRAVITY SEWER MAINS REQUIRE LOW PRESSURE AIR TESTING IN ACCORDANCE WITH THE LATEST UNI-BELL STANDARD FOR LOW PRESSURE AIR TESTS. AIR TESTS, AS A MINIMUM, SHALL CONFORM TO THE TEST PROCEEDURES DESCRIBED IN ASTM SPECIFICATIONS, ASTM F1417 FOR PLASTIC PIPE.
 - B. ALL SEWER MAINS AND LATERALS SHALL BE VIDEO INSPECTED BY A CITY APPROVED VENDOR.
 - C. ALL MANHOLES SHALL BE INSPECTED FOR INFILTRATION, ALIGNMENT, FLOW CHANNEL CONSTRUCTION AND COAL TAR EPOXY PAINT THROUGHOUT.
 - D. HYDRO-STATIC TESTS CONSISTING OF A HYDROSTATIC PRESSURE TEST AND HYDROSTATIC LEAKAGE TEST SHALL BE CONDUCTED ON ALL NEWLY INSTALLED SEWER FORCE MAIN SYSTEM PRESSURE PIPES AND APPURTENANCES IN ACCORDANCE WITH AWWA C600 OR M23 AS APPLICABLE. THE PRESSURE SHALL BE 150 PSI FOR TWO (2) HOURS.
 - E. DEFLECTION TESTS ARE REQUIRED FOR ALL FLEXIBLE PIPE. TESTS SHALL BE PERFORMED WITHOUT MECHANICAL PULLING DEVICES.

TEMPORARY JUMPER CONNECTION NOTES

A TEMPORARY JUMPER CONNECTION IS REQUIRED AT ALL CONNECTIONS BETWEEN EXISTING ACTIVE WATER MAINS AND PROPOSED NEW WATER MAIN IMPROVEMENTS. THE DETAIL PROVIDED IS TO BE USED FOR FILLING ANY NEW WATER MAIN OF ANY SIZE FROM EXISTING ACTIVE WATER MAINS AND FOR FLUSHING OF NEW MAINS UP TO 8" DIAMETER (2,5 FPS MINIMUM VELOCITY) AND FOR TAKING BACTERIOLOGICAL SAMPLES FROM ANY NEW WATER MAIN OF ANY SIZE. THE JUMPER CONNECTION SHALL BE MAINTAINED UNTIL AFTER FILLING, FLUSHING, TESTING AND DISINFECTING OF THE NEW MAIN HAS BEEN SUCCESSFULLY COMPLETED AND CLEARANCE FOR USE HAS BEEN OBTAINED FROM THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) AND OTHER PERTINENT AGENCIES HAS BEEN RECEIVED BY THE CITY OF CLERMONT. THIS JUMPER CONNECTION SHALL ALSO BE USED TO MAINTAIN A MINIMUM LEVEL OF DISINFECTION AND UNTIL THE FDEP CLEARANCE LETTER IS OBTAINED AND THE LINES ARE PLACED INTO SERVICE.

ADEQUATE RESTRAINTS SHALL BE PROVIDED TEMPORARILY, AS REQUIRED.

PIPE AND FITTINGS USED FOR CONNECTING THE NEW PIPE TO THE EXISTING PIPE SHALL BE DISINFECTED PRIOR TO INSTALLATION IN ACCORDANCE WITH AWWA C651, 1992 EDITION. THE TAPPING SLEEVE AND THE EXTERIOR OF THE MAIN TO BE TAPPED SHALL BE DISINFECTED BY SPRAYING OR SWABBING PER SECTION II OF AWWA C651-92.

FLUSHING OF ALL WATER MAINS SAHLL BE DONE THROUGH THE TIE-IN VALVE UNDER CONTROLLED CONDITIONS BY THE CITY ONLY. FULL BORE FLUSH IS REQUIRED. THE FOLLOWING PROCEEDURES SHALL BE FOLLOWED:

- A. THE TIE-IN VALVES SHALL BE OPERATED ONLY BY THE CITY AND PRESSURE TESTED IN THE PRESENCE OF THE CITY AND ENGINEER TO VERIFY WATER TIGHTNESS PRIOR TO TIE-IN. VALVES WHICH ARE NOT WATERTIGHT SHALL BE REPLACED OR A NEW VALVE INSTALLED IMMEDIATELY ADJACENT TO THE LEAKING VALVE.
- B. THE TEMPORARY JUMPER CONNECTION SHALL BE CONSTRUCTED AS DETAILED. THE JUMPER CONNECTION SHALL BE USED TO FILL THE NEW WATER MAIN, FOR PROVIDING WATER FOR BACTERIOLOGICAL SAMPLING OF THE NEW MAIN AS REQUIRED BY THE FDEP PERMIT AND FOR MAINTAINING CHLORINE RESIDUALS IN THE MAINS.
 1. FLUSHING SHALL NOT BE ATTEMPTED DURING PEAK DEMAND HOURS OF THE EXISTING WATER MAIN.
 2. ALL DOWNSTREAM VALVES IN THE NEW SYSTEM MUST BE OPEN PRIOR TO THE CITY OPENING THE TIE-IN VALVE.
 3. PROVIDE FOR AND MONITOR THE PRESSURE AT THE TIE-IN POINT. THE PRESSURE IN THE EXISTING MAIN MUST NOT DROP BELOW 35 PSI.
 4. TIE-IN VALVE SHALL BE OPENED BY THE CITY A FEW TURNS ONLY, ENSURING A PRESSURE DROP ACROSS THE VALVE IS ALWAYS GREATER THAN 10 PSI.
- C. THE TIE-IN VALVE SHALL BE LOCKED CLOSED BY THE CITY UNTIL THE FLUSHING BEGINS.
- D. THE TIE-IN VALVE SHALL BE OPENED ONLY BY THE CITY FOR FLUSHING OF THE NEW MAIN. THE PROCEDURE SHALL BE DONE BY THE CITY AND OBSERVED BY THE ENGINEER.
- E. AFTER FLUSHING, THE TIE-IN VALVE SHALL BE CLOSED AND LOCKED IN THE CLOSE POSITION BY THE CITY. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION DEMONSTRATING THAT THE RPZ BACK FLOW PREVENTION DEVICE HAS BEEN TESTED WITHIN ONE YEAR AT THE TIME OF INSTALLATION, AND IS IN GOOD WORKING ORDER AT THE TIME OF INSTALLATION. THE TEST SHALL BE PERFORMED BY A CERTIFIED BACK FLOW PREVENTION TECHNICIAN AS APPROVED BY THE CITY OF CLERMONT CROSS-CONNECTION CONTROL PROGRAM. A CERTIFICATE IS REQUIRED BY THE CITY.

EXCEPT AS REQUIRED TO FLUSH LINES TIE-IN VALVE SHALL REMAIN CLOSED AND SHALL BE LOCKED IN THE CLOSE POSITION BY THE CITY. THE TIE-IN VALVE SHALL REMAIN LOCKED UNTIL THE NEW SYSTEM HAS BEEN CLEARED FOR USE BY FDEP AND ALL OTHER AGENCIES. UPON RECEIPT OF CLEARANCE FOR USE FROM FDEP AND ALL OTHER AGENCIES, THE CONTRACTOR SHALL REMOVE THE TEMPORARY JUMPER CONNECTION. THE CORPORATION STOPS ARE TO BE CLOSED AND PLUGGED WITH 2" BRASS PLUGS. THERE BE NO LEAKAGE.

ALL INSTALLATION AND MAINTENANCE OF THE TEMPORARY JUMPER CONNECTION AND ASSOCIATED BACK FLOW PREVENTION DEVICE, FITTINGS, VALVES, ETC., SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER METERS SHALL BE PAID FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UTILITIES DEPARTMENT.

FIRE HYDRANTS

FIRE HYDRANTS SHALL CONFORM TO THE LATEST EDITION OF AWWA C502.85 AND SHALL BE FURNISHED COMPLETE WITH WRENCH AND OTHER APPURTENANCES. MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH AWWA C502 AND TESTS LISTED THEREIN WILL BE REQUIRED. ALL HYDRANTS SHALL BE BREAKAWAY TYPE, WITH THE BREAKAWAY SECTION LOCATED SLIGHTLY ABOVE THE FINISH GROUND LINE. HYDRANTS SHALL CONTAIN TWO, TWO AND ONE-HALF INCH (2-1/2") HOSE CONNECTIONS, AND ONE, FOUR AND ONE-HALF INCH (4-1/2") STEAMER CONNECTION WITH NATIONAL STANDARD FIRE HOSE COUPLING SCREW THREADS, FIVE AND ONE-QUARTER INCH (5-1/4") VALVE OPENING, SIX INCH (6") DIAMETER MECHANICAL JOINT INLET, ONE AND ONE-HALF INCH (1-1/2") PENTAGON OPERATING NUT. SHALL OPEN COUNTERCLOCKWISE. HYDRANT MUST BE PAINTED AT FACTORY BY THE MANUFACTURER AND SHALL BE PAINTED IN CONFORMANCE WITH CITY OF CLERMONT REQUIREMENTS (COLORS BASED ON DELIVERED FIRE FLOW). HYDRANTS SHALL BE MUELLER CENTRON (TRAFFIC MODEL A-423) & AMERICAN (8B48-5 TRAFFIC MODEL) OR SEE CLERMONT'S LIST OF APPROVED PRODUCTS VIA THE CITY'S WEBSITE. NO SUBSTITUTE. FIRE HYDRANTS TO BE THE BREAK AWAY TYPE WITH A CAST IRON DUCTILE IRON MECHANICAL JOINT HYDRANT TEE, WITH RESILIENT SEAT AND MECHANICAL JOINT GATE VALVE.

FIRE HYDRANTS CONT.

1. BLUE PAVEMENT REFLECTORS SHALL BE PLACED IN THE CENTERLINE OF THE DRIVING LANE CLOSEST TO AND DIRECTLY IN FRONT OF EACH FIRE HYDRANT.
2. A POST-CONSTRUCTION FIRE FLOW TEST SHALL BE CONDUCTED. HYDRANTS SHALL DELIVER THE REQUIRED GPM PER THE CITY OF CLERMONT LAND DEVELOPMENT REGULATIONS WITH A RESIDUAL PRESSURE OF 20 PSI. CONTRACTOR SHALL NOTIFY CITY OF CLERMONT ENGINEERING DEPARTMENT WHEN HYDRANTS ARE READY TO BE FLOW TESTED. FOR FIRE HYDRANTS LOCATED WITHIN THE CITY OF CLERMONT, CONNECTED TO THE CITY OF CLERMONT'S WATER SYSTEM, AND/OR LOCATED WITHIN CLERMONT FIRE DEPARTMENT'S PROTECTION AREA, THIS TEST SHALL BE CONDUCTED BY CITY OF CLERMONT PERSONNEL. THIS TEST SHALL BE PROVIDED BY THE CONTRACTOR FOR LOCATIONS NOT INCLUDED ABOVE. THIS TEST MAY BE WITNESSED BY THE OWNER/OPERATOR IF REQUESTED AT TIME OF NOTIFICATION THAT HYDRANTS ARE READY FOR FLOW TEST.
3. IF A PERMIT FOR THE WATER SYSTEM IS REQUIRED BY THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP), THE SYSTEM SHALL BE ACCEPTED AND APPROVED BY DEP PRIOR TO BEING PRESSURIZED OFF OF THE CITY SYSTEM AND PRIOR TO ANY FLOW TESTS BEING CONDUCTED.
4. FIRE HYDRANTS AND FIRE PROTECTION APPLIANCES SHALL BE KEPT ACCESSIBLE TO THE FIRE DEPARTMENT AT ALL TIMES. THE FOLLOWING CLEARANCES SHALL BE MAINTAINED FOR ALL FIRE HYDRANTS AND FIRE PROTECTION APPLIANCES: CLEAR PATH TO FRONT AND A 36" CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF FIRE HYDRANTS, NO PERSON SHALL PLACE OR KEEP ANY POST, FENCE, VEHICLE, GROWTH, VEGETATION, TRASH OR STORAGE OF OTHER MATERIALS THAT WOULD OBSTRUCT A FIRE HYDRANT OR FIRE PROTECTION APPLIANCE AND HINDER OR PREVENT ITS IMMEDIATE USE BY FIRE DEPARTMENT PERSONNEL. SUCH FIRE HYDRANT OR FIRE PROTECTION APPLIANCE SHALL BE KEPT READILY VISIBLE AT ALL TIMES.
5. FIRE HYDRANTS SHALL NOT BE LOCATED CLOSER THAN THREE (3) FEET TO OR MORE THAN TWENTY (20) FEET FROM THE EDGE OF A STREET, DRIVE OR OTHER ACCESSWAY. UNLESS OTHERWISE REQUESTED BY THE FIRE OFFICIAL, THE 4-1/2" CONNECTION SHALL FACE THE NEAREST ROADWAY, OR IF LOCATED WITHIN A COMPLEX PARKING AREA, SHALL FACE THE NEAREST TRAFFIC WAY. NO HYDRANT SHALL BE INSTALLED WHERE PEDESTRIAN OR VEHICULAR TRAFFIC WOULD INTERFERE WITH THE USE OF THE HYDRANT. THE STANDARD FIRE HYDRANT APPROVED FOR USE IN THE CITY CAN BE FOUND IN THE CITY'S LIST OF APPROVED PRODUCTS VIA THE CITY'S WEBSITE. THE CITY'S STANDARD FIRE HYDRANT DETAIL AND NOTES ARE AVAILABLE FROM THE CITY ENGINEER'S OFFICE AND MUST BE INCLUDED IN THE SITE PLANS. ALL FIRE HYDRANTS AND MAINS, INCLUDING THOSE PRIVATELY OWNED, THAT ARE CONNECTED TO THE CITY'S POTABLE WATER SYSTEM, SHALL CONFORM TO CITY STANDARDS.
6. A MINIMUM NUMBER OF FIRE HYDRANTS SHALL BE PROVIDED AND/OR AVAILABLE TO PROVIDE EQUAL TO OR GREATER THAN THE NEEDED FIRE FLOW FOR ALL BUILDINGS ON THE SITE BASED ON THE FOLLOWING CREDITS: HYDRANT(S) WITHIN 300 FEET OF THE BUILDING, 1,000 GPM CREDIT; HYDRANT(S) 301 TO 600 FEET, 670 GPM CREDIT; HYDRANT(S) 601 TO 1,000 FEET, 250 GPM CREDIT.
7. FIRE HYDRANTS THAT HAVE NOT BEEN TESTED AND PLACED INTO SERVICE MUST BE CLEARLY MARKED AS 'OUT OF SERVICE' USING INDUSTRY ACCEPTED METHODS (BAGGING, TAGGING, ETC).

CONNECTIONS TO CITY WATER MAINS

ALL DOUBLE DETECTOR CHECK VALVE ASSEMBLIES (DDCV) INSTALLED TO ISOLATE A PRIVATE FIRE SYSTEM SUPPLYING FIRE HYDRANTS FROM THE CITY'S POTABLE WATER SYSTEM SHALL HAVE TAMPER SWITCH DEVICES INSTALLED ON THE DDCV ASSEMBLY VALVES WHENEVER ANY AUTOMATIC FIRE SPRINKLER SYSTEM IS INSTALLED BEYOND THE DDCV. THESE TAMPER SWITCHES SHALL BE CONNECTED TO THE BUILDING FIRE ALARM SYSTEM FOR ALL INDIVIDUAL BUILDINGS PROTECTED BY A FIRE SPRINKLER SYSTEM.

FIRE DEPARTMENT CONNECTIONS

ANY FIRE DEPARTMENT CONNECTION SIAMESE (FDC) FOR FIRE SPRINKLER OR STANDPIPE SYSTEMS MUST BE WITHIN 100 FEET OF A FIRE HYDRANT. THE FDC MAY BE INSTALLED DIRECTLY ON THE DOUBLE DETECTOR CHECK VALVE BACK FLOW PREVENTOR AS LONG AS THE REQUIREMENT TO BE WITHIN 100 FEET OF A FIRE HYDRANT IS COMPLIED WITH. FIRE DEPARTMENT CONNECTIONS SHALL BE IDENTIFIED BY A SIGN THAT STATES, "NO PARKING FIRE DEPARTMENT CONNECTION" AND SHALL BE DESIGNED IN ACCORDANCE WITH FDOT STANDARDS FOR INFORMATION SIGNAGE. THE LOCATION OF ANY FDC MUST BE SHOWN ON THE SITE PLANS UTILITY SHEET. CLERMONT REQUIRES APPROVED LOCKING FDC CAPS.

DEDICATED FIRE MAINS

1. THE "POINT OF SERVICE" FOR ANY FIRE MAIN MUST BE CALLED OUT ON THE UTILITY SHEET OF THE SITE PLANS. THIS IS THE POINT WHERE A WATER LINE BECOMES DEDICATED TO ONLY FIRE PROTECTION, SUCH AS SUPPLYING ONLY A FIRE HYDRANT OR FIRE SPRINKLER SYSTEM, AND THERE IS NO POTABLE WATER SUPPLY COMING OFF OF THE WATER LINE BEYOND THIS POINT.
2. LABEL DEDICATED FIRE MAINS AT "FL" ON THE SUBMITTED PLANS.
3. FIRE MAINS WILL BE SEPARATELY PERMITTED AND INSPECTED BY THE CITY FIRE DEPARTMENT.

FIRE DEPARTMENT ACCESS

FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED AND MAINTAINED IN ACCORDANCE WITH THE FLORIDA FIRE PREVENTION CODE AND RULES ESTABLISHED BY THE CITY OF CLERMONT FOR EVERY FACILITY, BUILDING, OR PORTION OF A BUILDING HEREAFTER CONSTRUCTED OR RELOCATED. A FIRE DEPARTMENT ACCESS ROAD SHALL EXTEND TO WITHIN 50 FEET (15 m) OF AN EXTERIOR DOOR PROVIDING ACCESS TO THE INTERIOR OF THE BUILDING. FIRE DEPARTMENT ACCESS ROADS SHALL BE PROVIDED SUCH THAT IN ANY PORTION OF THE FACILITY OR ANY PORTION OF AN EXTERIOR WALL OF THE FIRST STORY OF A BUILDING IS LOCATED NOT MORE THAN 150 FEET (46 m) FROM FIRE DEPARTMENT ACCESS ROADS AS MEASURED BY A ROUTE APPROVED BY THE LOCAL FIRE OFFICIAL AROUND THE EXTERIOR OF THE BUILDING OR FACILITY (THE DISTANCE SHALL BE PERMITTED TO BE INCREASED TO 450 FEET WHEN BUILDINGS ARE PROTECTED WITH AN APPROVED AUTOMATIC FIRE SPRINKLER SYSTEM THAT IS INSTALLED IN ACCORDANCE WITH NFPA STANDARDS).

FIRE DEPARTMENT ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET (6.1 m).

AN UNOBSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES (4.1m), SHALL BE DESIGNED AND MAINTAINED TO SUPPORT THE IMPOSED LOADS OF FIRE APPARATUS (MINIMUM 32 TONS), AND SHALL BE PROVIDED WITH A SURFACE SUITABLE FOR ALL-WEATHER DRIVING CAPABILITIES. THE TURNING RADIUS OF A FIRE DEPARTMENT ACCESS ROAD SHALL BE AS APPROVED BY THE AHJ. DEAD-END FIRE DEPARTMENT ACCESS ROADS IN EXCESS OF 150 FEET (46 m) IN LENGTH SHALL BE PROVIDED WITH APPROVED PROVISIONS FOR THE TURNING AROUND OF FIRE APPARATUS. WHEN A BRIDGE IS REQUIRES TO BE USED AS PART OF FIRE DEPARTMENT ACCESS ROAD, IT SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH NATIONALLY RECOGNIZED STANDARDS. THE BRIDGE SHALL BE DESIGNED FOR A LIVE LOAD SUFFICIENT TO CARRY THE IMPOSED LOADS OF FIRE APPARATUS (MINIMUM 32 TONS). THE ANGLE OF APPROACH AND DEPARTURE FOR ANY MEANS OF FIRE DEPARTMENT ACCESS SHALL NOT EXCEED 1 FOOT DROP IN 20 FEET (0.3 m DROP IN 6 m), AND THE DESIGN LIMITATIONS OF THE FIRE APPARATUS OF THE FIRE DEPARTMENT SHALL BE SUBJECT TO APPROVAL BY THE AHJ. THE LOAD RATING OF FIRE DEPARTMENT ACCESS ROADS AND BRIDGES SERVING DETACHED ONE OR TWO-FAMILY OCCUPANSIES ONLY MAY BE DECREASED UPON APPROVAL BY THE LOCAL FIRE OFFICIAL.

THE REQUIRED WIDTH OF A FIRE DEPARTMENT ACCESS ROAD SHALL NOT BE OBSTRUCTED IN ANY MANNER, INCLUDING BY THE PARKING OF VEHICLES. MINIMUM REQUIRED WIDTHS AND CLEARANCES SHALL BE MAINTAINED AT ALL TIMES. ENTRANCES TO ROADS, TRAILS, OR OTHER ACCESSWAYS THAT HAVE BEEN CLOSED WITH GATES AND BARRIERS SHALL NOT BE OBSTRUCTED BY PARKED VEHICLES. FIRE LANE MARKINGS MUST BE INSTALLED IN ANY LOCATIONS WHERE VEHICLES MAY PARK AND BLOCK TRAFFIC WAYS OR FREE AND CLEAR ACCESS FOR FIRE AND EMERGENCY APPARATUS.

FIRE LANE MARKINGS ON THE PAVEMENT MUST BE IN DOT YELLOW AND INCLUDE A CROSSHATCH AREA THAT EXTENDS A MINIMUM OF THREE FEET OUT FROM THE CURB. ANY CURBS MUST ALSO BE PAINTED DOT YELLOW OR RED. MARKED TRAFFIC SURFACES MUST HAVE THE WORDS, FIRE LANE - NO PARKING, PAINTED ON THE SURFACE. THIS WORDING MUST REPEAT THE ENTIRE LENGTH OF THE FIRE LANE, AND BE SPACED NO MORE THAN 50 FEET APART. WORDING ON PAVED SURFACES MUST BE A MINIMUM OF 10" TALL. ANY REQUIRED FIRE LANES SHALL BE MARKED WITH SIGNS WITH THE WORDING, "NO PARKING FIRE LANE BY ORDER OF THE FIRE DEPARTMENT." SUCH SIGNS SHALL BE 12 INCHES BY 18 INCHES WITH A WHITE BACKGROUND AND RED LETTERS AND SHALL BE A MAXIMUM OF 7 FEET IN HEIGHT FROM THE ROADWAY TO THE BOTTOM PART OF THE SIGN. THE SIGNS SHALL BE WITHIN SIGHT OF THE TRAFFIC FLOW AND BE A MAXIMUM OF 50 FEET APART.

A 20' x 20' CROSS-HATCH AREA MUST BE INDICATED ON THE PAVEMENT IN FRONT OF AND CENTERED ON HYDRANTS ANY FIRE DEPARTMENT CONNECTIONS FOR FIRE SPRINKLER OR STANDPIPE SYSTEMS THAT ARE LOCATED ON BUILDINGS OR IN PARKING LOTS WHERE VEHICLES MAY PARK AND BLOCK CLEAR ACCESS TO THE CONNECTION. THE CROSS-HATCH AREA MUST INCLUDE WORDING AS SPECIFIED ABOVE. A SIGN INDICATING "NO PARKING FIRE DEPARTMENT CONNECTION" MUST BE INSTALLED IN THIS AREA.

THE CURB MUST BE PAINTED DOT YELLOW, FOR A LENGTH OF 30 FEET CENTERED ON ANY FIRE OR FIRE DEPARTMENT SIAMESE CONNECTIONS THAT ARE INSTALLED ALONG A PARKING LOT, DRIVE OR STREET TO PREVENT VEHICLES FROM PARKING WITHIN 15 FEET OF THE HYDRANT OR CONNECTION. WORDING MUST BE PAINTED ON CURBS IN THESE AREAS INDICATING "NO PARKING FIRE LANE" AND MUST BE A MINIMUM OF 3 TALL.

BUILDING MARKINGS

ADDRESS NUMERALS SHALL NOT BE LESS THAN THREE INCHES IN HEIGHT FOR RESIDENTIAL BUILDINGS, STRUCTURES OR PORTIONS THEREOF, AND AT LEAST SIX INCHES IN HEIGHT FOR ALL OTHER BUILDINGS, STRUCTURES OR PORTIONS THEREOF. ADDRESS NUMERALS SHALL BE ARABIC NUMERALS OR ALPHABET LETTERS, NO CURSIVE LETTERS.

COMMERCIAL BUILDINGS

"KEY LOCK BOX APPROVED BY A CITY FIRE OFFICIAL" WILL BE REQUIRED ON ALL COMMERCIAL BUILDINGS (NFPA 1, CODE CHAPTER 3-6 AS ADAPTED IN THE FLORIDA FIRE PREVENTION CODE THROUGH FLORIDA ADMINISTRATIVE CHAPTER 4A-60.003, RULES OF THE STATE FIRE MARSHAL, AND AUTHORIZED BY FLORIDA STATUTES 633.0215, 633.025). THESE SHALL BE INSTALLED ON THE EXTERIOR WALL OF THE BUILDING WITHIN ONE FOOT OF THE LEFT SIDE OF THE MAIN PUBLIC ENTRANCE DOOR AT A HEIGHT OF SIX (6) FEET. IN THE CASE OF A MULTI-OCCUPANCY BUILDING, SUCH AS A ROW OF STORES, MULTI-OFFICE BUILDING, ETC., ONLY ONE KEY LOCK BOX PER BUILDING WILL BE REQUIRED UNLESS EXTENUATING CIRCUMSTANCES INDICATE THE NEED FOR ADDITIONAL LOCK BOXES. THIS BOX SHALL BE INSTALLED ON THE EXTERIOR WALL OF THE BUILDING WITHIN ONE FOOT OF THE LEFT END OF THE SIDE OF THE BUILDING CONTAINING THE MAIN PUBLIC ENTRANCE (AS YOU ARE FACING THE MAIN ENTRANCE) AT A HEIGHT OF SIX (6) FEET. IN THE CASE OF A MULTI-FAMILY COMPLEX, ONLY ONE KEY LOCK BOX WILL BE REQUIRED FOR THE COMPLEX UNLESS EXTENUATING CIRCUMSTANCES INDICATE THE NEED FOR ADDITIONAL KEY LOCK BOXES. THIS BOX SHALL BE LOCATED AT THE MAIN ENTRANCE TO THE CLUBHOUSE, INSTALLED AS INDICATED ABOVE FOR COMMERCIAL BUILDINGS. IF THERE IS NO CLUBHOUSE, THE BOX SHALL BE INSTALLED PER A CITY FIRE OFFICIAL. A CITY FIRE OFFICIAL MAY BE CONTACTED IF IT IS NOT POSSIBLE TO INSTALL THE BOX AT THE LOCATIONS INDICATED ABOVE. THE CITY FIRE OFFICIAL WILL MAKE A DETERMINATION AS TO THE LOCATION WHERE THE BOX WILL BE INSTALLED.

LOCK BOXES SHALL CONTAIN KEYS TO THE BUILDING (INCLUDING ENTRANCE DOORS AND ALL ELECTRICAL AND MECHANICAL ROOMS) AND ANY SYSTEMS IN THE BUILDING (SUCH AS FIRE ALARM PANELS, FIRE ALARM PULL STATIONS, SMOKE DETECTOR RESET, SPRINKLER SYSTEMS, ELEVATORS, ETC.). BOXES FOR MULTI-OCCUPANCY BUILDINGS AND MULTI-FAMILY COMPLEXES SHALL BE OF SUFFICIENT SIZE TO ACCOMMODATE KEYS FOR EACH INDIVIDUAL OCCUPANCY AND MASTER KEYS FOR EACH SEPARATE BUILDING, AS WELL AS ANY SYSTEMS IN ALL OCCUPANCIES AND BUILDINGS. ALL LOCK BOXES SHALL ALSO CONTAIN BUSINESS CARDS WITH AFTER-HOURS EMERGENCY CONTACT NUMBERS FOR EACH OCCUPANCY. THE CODE(S) FOR SILENCING AND RESETTING ANY FIRE ALARM SYSTEMS SHALL BE WRITTEN ON THE BACK OF THE BUSINESS CARD(S) FOR EACH OCCUPANCY.

APPLICATIONS FOR THE PURCHASE OF "KEY LOCK BOX" EQUIPMENT ARE AVAILABLE FROM THE FIRE PREVENTION DEPARTMENT. EACH BOX TO BE INSTALLED WITHIN THE CITY OF CLERMONT WILL BE KEYPED TO ACCOMMODATE CLERMONT FIRE DEPARTMENT'S LOCK BOX KEY. BUILDING OWNERS OR OCCUPANTS WILL NOT HAVE A KEY TO THE BOX. THE OWNER OR DEVELOPER SHALL NOTIFY THE FIRE PREVENTION DEPARTMENT (352)-241-7318 AFTER THE BOX HAS BEEN INSTALLED AND ALL REQUIRED KEYS ARE AVAILABLE. A FIRE DEPARTMENT REPRESENTATIVE WILL MEET A REPRESENTATIVE OF THE BUILDING AT THE SITE TO LOCK THE KEYS IN THE BOX. WHENEVER ANY KEYS, CODES OR EMERGENCY CONTACT NUMBERS ARE CHANGED, THE FIRE DEPARTMENT SHALL BE NOTIFIED IMMEDIATELY SO A FIRE DEPARTMENT REPRESENTATIVE CAN UNLOCK THE BOX AND REPLACE THE CHANGED ITEMS.

BUILDING MATERIALS

NFPA 241 (STANDARD FOR SAFEGUARDING CONSTRUCTION, ALTERATION AND DEMOLITION OPERATIONS) AS ADAPTED IN THE FLORIDA ADMINISTRATIVE CODE (RULES OF THE STATE FIRE MARSHAL) AND THE FLORIDA FIRE PREVENTION CODE, AND AUTHORIZED BY FLORIDA STATE STATUTES, CHAPTER 633, REQUIRES THAT A WATER SUPPLY FOR FIRE PROTECTION SHALL BE MADE AVAILABLE AS SOON AS COMBUSTIBLE MATERIAL ACCUMULATES ON THE SITE AND THAT THERE SHALL BE NO DELAY IN THE INSTALLATION OF FIRE PROTECTION EQUIPMENT. THIS SECTION ALSO STATES, "WHERE UNDERGROUND WATER MAINS AND HYDRANTS ARE TO BE PROVIDED, THEY SHALL BE INSTALLED, COMPLETED AND IN SERVICE PRIOR TO CONSTRUCTION WORK.

EMERGENCY VEHICLE ACCESS CONTROL (EVAC) SYSTEM

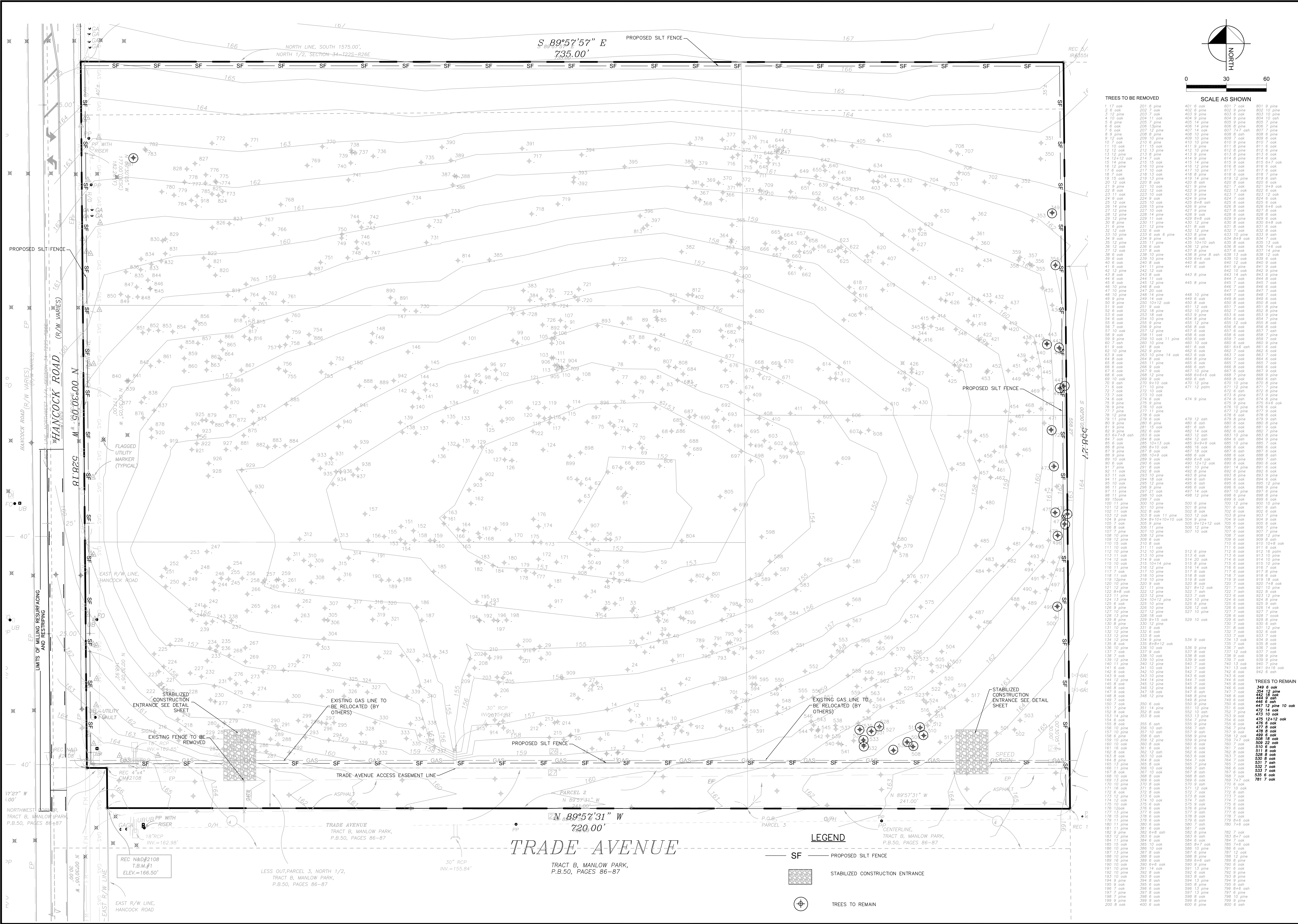
THE CITY OF CLERMONT LAND DEVELOPMENT REGULATIONS, SECTION 110-192 (1), REQUIRES THAT ALL GATED COMMUNITIES IN THE CITY OF CLERMONT INSTALL THE "EVAC" (EMERGENCY VEHICLE ACCESS CONTROL) REMOTE GATE OPENING EQUIPMENT ON ALL ENTRY GATES, THE EVAC SYSTEM SHALL BE IN ADDITION, AND SEPARATE, FROM THE GATE OPENING SYSTEM THAT IS PROVIDED FOR THE RESIDENTS. A KEYPAD CODE ENTRY DEVICE SHALL ALSO BE INSTALLED AT EACH GATE, WITH THE ENTRY CODE SUPPLIED TO THE FIRE DEPARTMENT IN WRITING UPON INSTALLATION. THE DEVELOPER SHALL PROVIDE FIVE (5) CONTROLLERS FOR THE EVAC SYSTEM TO THE CLERMONT FIRE DEPARTMENT. FOR FURTHER REQUIREMENTS REFER TO THE CITY OF CLERMONT LAND DEVELOPMENT REGULATIONS, SECTION 110-192 (1). SECURITY ACCESS CONTROL, 800-637-5945, DISTRIBUTES THE EVAC SYSTEM. SECURITY ACCESS CONTROL MAY BE CONTACTED REGARDING ANY QUESTIONS ABOUT THE SYSTEM OR TO GET INFORMATION ON LOCAL VENDORS THAT CAN INSTALL THE SYSTEM.

NEEDED FIRE FLOW CALCULATIONS

IN ACCORDANCE WITH NFPA1 CHAPTER 18.

GENERAL NOTES AND DETAILS
REVISED
4-11-2016

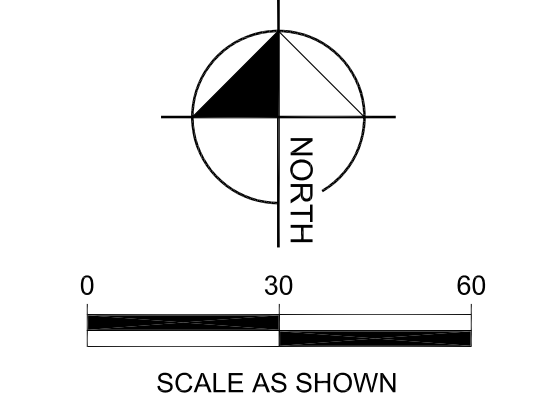
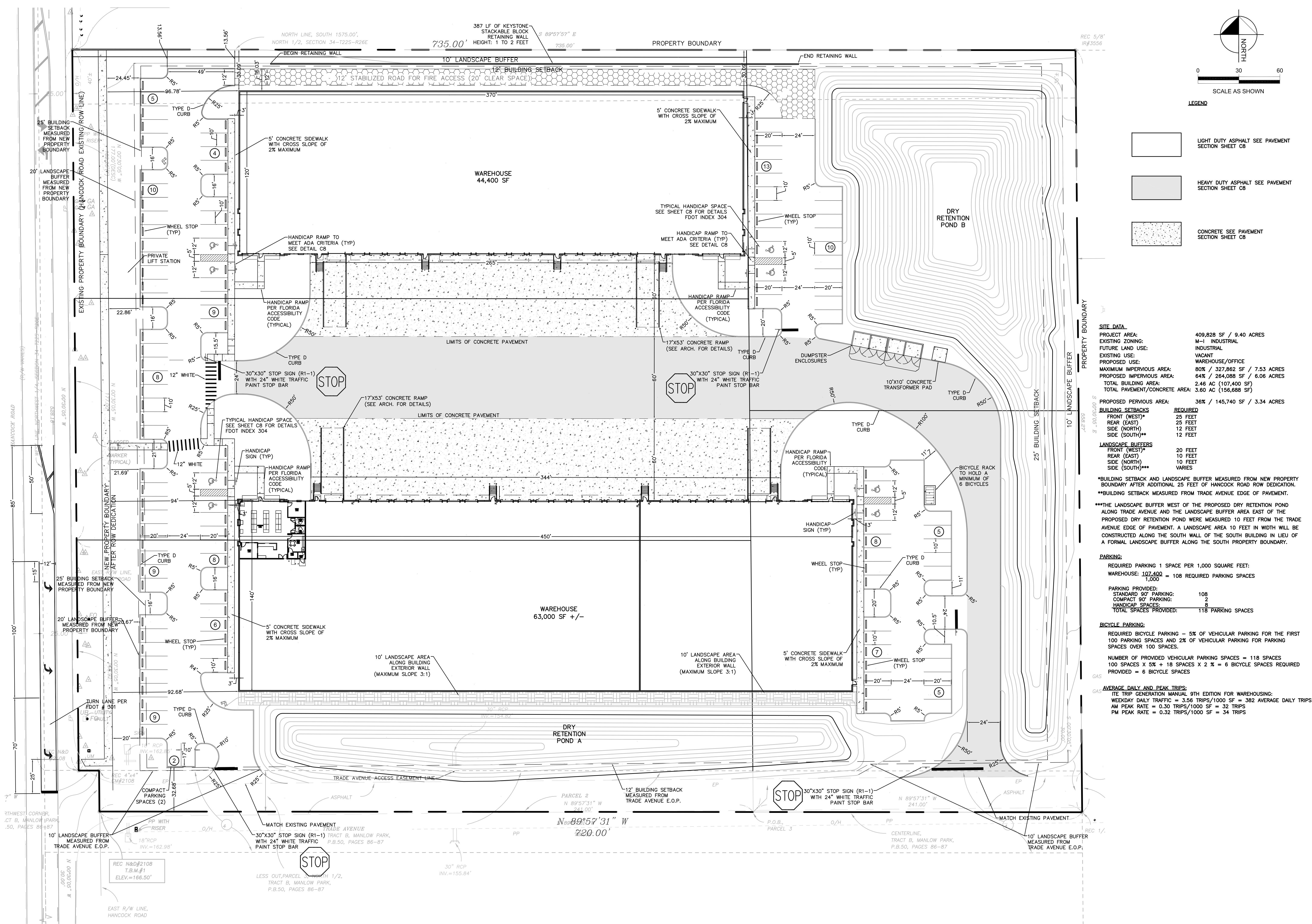
DATE	8/21/2018
PROJECT NO.	2600-17-300
SHEET NUMBER	C2A
SCALE	NOTED
DESIGNED BY	EPL
DRAWN BY	EPL
CHECKED BY	EPL
DESIGN ENGINEER	CHAD S. LINN, P.E.
FLORIDA REGISTRATION NUMBER	57524
FLORIDA	FLORIDA
LAKE COUNTY	LAKE COUNTY
CLERMONT COMMERCE CENTER HANCOCK ROAD CLERMONT FLORIDA	CLERMONT GENERAL NOTES
LINN ENGINEERING & DESIGN, INC. P.O. BOX 140024 ORLANDO, FL 32814 PHONE: 407-282-6433 clinn@linnengineering.com	REVISIONS No. _____ DATE _____ BY _____



TREES TO BE REMOVED

1 17 oak	201 6 pine	401 6 oak	601 7 oak	801 9 pine
2 4 oak	202 7 oak	402 6 pine	602 9 pine	802 10 pine
3 12 pine	203 11 oak	403 6 pine	603 10 oak	803 10 oak
4 10 oak	204 11 oak	404 4 pine	604 9 pine	804 10 oak
5 4 pine	205 7 pine	405 6 pine	605 9 pine	805 7 pine
6 6 oak	206 13pine	406 14 pine	606 8 pine	806 7 pine
7 6 oak	207 12 pine	407 14 oak	607 7 ash	807 7 pine
8 9 pine	208 8 pine	408 10 pine	608 8 ash	808 6 pine
9 12 oak	209 10 pine	409 10 pine	609 7 oak	809 6 oak
10 7 oak	210 6 pine	410 10 pine	610 9 pine	810 7 oak
11 12 oak	211 15 oak	411 9 pine	611 8 pine	811 6 oak
12 12 oak	212 13 pine	412 10 pine	612 8 pine	812 6 pine
13 12 oak	213 15 oak	413 9 pine	613 8 pine	813 6 oak
14 12 1/2 oak	214 7 oak	414 9 pine	614 8 pine	814 6 oak
15 4 pine	215 oak	415 4 pine	615 9 pine	815 6 oak
16 12 pine	216 10 pine	416 12 pine	616 8 oak	816 6 oak
17 6 oak	217 10 oak	417 10 oak	617 8 oak	817 6 oak
18 6 oak	218 10 oak	418 6 oak	618 8 oak	818 6 oak
19 15 oak	219 13 pine	419 14 pine	619 12 pine	819 6 oak
20 12 oak	220 8 oak	420 8 oak	620 9 oak	820 6 oak
21 9 pine	221 10 oak	421 9 pine	621 7 oak	821 9 oak
22 12 oak	222 12 oak	422 12 oak	622 13 oak	822 6 oak
23 11 oak	223 10 oak	423 9 pine	623 7 oak	823 12 oak
24 6 oak	224 9 oak	424 8 oak	624 8 oak	824 6 oak
25 12 oak	225 10 oak	425 8 1/2 ash	625 6 oak	825 6 oak
26 14 pine	226 15 pine	426 9 pine	626 8 oak	826 6 oak
27 12 pine	227 10 oak	427 9 pine	627 8 oak	827 8 oak
28 12 pine	228 14 pine	428 14 pine	628 8 oak	828 6 oak
29 12 pine	229 11 oak	429 8 1/2 oak	629 9 pine	829 6 oak
30 9 pine	230 10 oak	430 10 oak	630 8 oak	830 6 oak
31 6 pine	231 12 pine	431 6 oak	631 8 oak	831 6 oak
32 12 oak	232 6 oak	432 6 oak	632 7 oak	832 6 oak
33 10 pine	233 6 oak	433 6 oak	633 10 pine	833 6 oak
34 9 oak	234 4 pine	434 6 oak	634 8 1/2 oak	834 7 oak
35 12 oak	235 11 pine	435 10 ash	635 9 oak	835 13 oak
36 12 oak	236 oak	436 12 pine	636 8 oak	836 7 oak
37 12 oak	237 6 oak	437 6 oak	637 6 oak	837 14 oak
38 6 oak	238 10 oak	438 6 1/2 ash	638 13 oak	838 12 oak
39 10 oak	239 10 oak	439 10 oak	639 10 oak	839 10 oak
40 6 oak	240 8 oak	440 8 ash	640 12 oak	840 9 oak
41 11 oak	241 6 oak	441 6 oak	641 9 pine	841 12 oak
42 12 pine	242 12 oak	442 9 pine	642 10 oak	842 9 pine
43 8 oak	243 6 oak	443 9 pine	643 7 oak	843 6 oak
44 6 oak	244 11 oak	444 7 oak	644 7 oak	844 6 oak
45 6 oak	245 12 oak	445 6 oak	645 7 oak	845 6 oak
46 10 pine	246 6 oak	446 6 oak	646 7 oak	846 6 oak
47 10 pine	247 20 oak	447 10 pine	647 7 oak	847 6 oak
48 10 pine	248 14 oak	448 10 pine	648 7 oak	848 6 oak
49 9 pine	249 14 oak	449 6 oak	649 8 oak	849 6 oak
50 9 pine	250 10 1/2 oak	450 6 oak	650 8 oak	850 6 oak
51 9 oak	251 9 oak	451 12 oak	651 7 oak	851 8 pine
52 12 oak	252 18 pine	452 10 oak	652 8 oak	852 8 pine
53 6 oak	253 18 oak	453 9 pine	653 6 oak	853 9 pine
54 6 oak	254 10 pine	454 10 oak	654 6 oak	854 6 oak
55 6 oak	255 9 pine	455 12 pine	655 12 oak	855 8 oak
56 7 oak	256 9 pine	456 6 oak	656 8 oak	856 8 oak
57 10 oak	257 12 pine	457 6 oak	657 6 oak	857 7 ash
58 10 oak	258 9 oak	458 6 oak	658 6 oak	858 9 oak
59 9 pine	259 10 oak	459 6 oak	659 7 oak	859 7 oak
60 9 oak	260 10 oak	460 6 oak	660 6 oak	860 6 oak
61 9 oak	261 8 oak	461 6 oak	661 6 ash	861 6 oak
62 10 pine	262 9 oak	462 6 oak	662 6 oak	862 6 oak
63 9 oak	263 10 pine	463 6 oak	663 7 oak	863 7 oak
64 8 oak	264 4 oak	464 6 oak	664 6 oak	864 6 oak
65 6 oak	265 11 pine	465 6 oak	665 8 oak	865 6 oak
66 6 oak	266 6 oak	466 6 ash	666 8 oak	866 6 oak
67 6 oak	267 6 oak	467 6 oak	667 8 oak	867 6 oak
68 6 oak	268 12 oak	468 6 1/2 oak	668 9 pine	868 9 pine
69 9 oak	269 9 oak	469 6 oak	669 10 oak	869 6 oak
70 9 oak	270 9 1/2 oak	470 10 pine	670 10 pine	870 8 pine
71 7 oak	271 10 oak	471 12 oak	671 10 pine	871 10 oak
72 7 oak	272 10 oak	472 6 oak	672 6 oak	872 8 oak
73 7 oak	273 9 pine	473 9 pine	673 9 pine	873 9 oak
74 6 oak	274 6 oak	474 9 pine	674 6 oak	874 8 pine
75 9 pine	275 9 pine	475 9 pine	675 9 pine	875 9 oak
76 9 pine	276 10 oak	476 10 pine	676 6 oak	876 6 oak
77 9 pine	277 11 oak	477 12 pine	677 6 oak	877 9 oak
78 7 pine	278 6 oak	478 6 oak	678 6 oak	878 9 oak
79 11 pine	279 6 oak	479 12 oak	679 8 pine	879 9 oak
80 9 pine	280 15 oak	480 8 oak	680 6 oak	880 6 oak
81 9 pine	281 15 oak	481 6 ash	681 6 oak	881 9 oak
82 8 oak	282 6 oak	482 6 oak	682 6 oak	882 6 oak
83 6 1/2 8 oak	283 oak	483 12 oak	683 10 pine	883 8 oak
84 6 oak	284 10 oak	484 6 oak	684 6 oak	884 6 oak
85 6 oak	285 10 1/3 oak	485 9 1/2 oak	685 10 pine	885 7 oak
86 9 pine	286 9 oak	486 6 oak	686 6 oak	886 6 oak
87 9 pine	287 8 oak	487 18 oak	687 6 oak	887 6 oak
88 9 pine	288 10 1/2 oak	488 6 oak	688 6 oak	888 6 oak
89 10 oak	289 9 oak	489 6 1/2 oak	689 8 pine	889 7 oak
90 9 oak	290 9 oak	490 6 oak	690 8 oak	890 6 oak
91 7 pine	291 6 oak	491 10 pine	691 14 pine	891 6 oak
92 11 oak	292 6 oak	492 6 oak	692 6 oak	892 6 oak
93 11 oak	293 10 pine	493 6 oak	693 6 oak	893 9 pine
94 11 pine	294 18 oak	494 6 oak	694 6 oak	894 6 oak
95 10 oak	295 12 oak	495 6 oak	695 6 oak	895 12 pine
96 11 pine	296 9 pine	496 6 oak	696 6 oak	896 9 oak
97 11 pine	297 11 oak	497 10 oak	697 6 oak	897 6 oak
98 11 pine	298 10 oak	498 12 pine	698 6 pine	898 6 pine
99 15 oak	299 7 oak	499 6 oak	699 6 oak	899 6 oak
100 11 pine	300 10 pine	500 6 pine	700 12 pine	900 10 pine
101 10 pine	301 12 pine	501 6 oak	701 6 oak	901 6 oak
102 11 oak	302 8 oak	502 6 oak	702 6 oak	902 6 oak
103 10 oak	303 5 oak 11 pine	503 12 oak	703 8 pine	903 7 pine
104 9 pine	304 8 1/2 10 10 oak	504 9 pine	704 9 oak	904 9 oak
105 9 pine	305 9 oak	505 12 oak	705 6 oak	905 6 oak
106 6 oak	306 11 pine	506 12 oak	706 7 oak	906 7 oak
107 10 pine	307 10 pine	507 10 oak	707 6 oak	907 6 oak
108 10 pine	308 12 pine	508 10 oak	708 12 pine	908 12 oak
109 12 oak	309 oak	509 6 oak	709 6 oak	909 8 oak
110 10 oak	310 10 oak	510 6 oak	710 6 oak	910 10 1/2 oak
111 10 oak	311 11 oak	511 6 oak	711 6 oak	911 6 oak
112 10 oak	312 10 oak	512 6 oak	712 6 oak	912 16 oak
113 11 oak	313 10 oak	513 oak	713 oak	913 10 pine
114 9 oak	314 9 oak	514 6 oak	714 6 oak	914 10 pine
115 10 oak	315 10 1/4 pine	515 6 pine	715 6 oak	915 10 pine
116 14 oak	316 12 oak	516 6 oak	716 6 oak	916 7 oak
117 7 oak	317 10 oak	517 6 oak	717 6 oak	917 6 oak
118 10 pine	318 10 oak	518 6 oak	718 6 oak	918 6 oak
119 12 pine	319 10 pine	519 8 oak	719 9 oak	919 18 oak
120 10 pine	320 8 oak	520 6 oak	720 7 oak	920 7 oak
121 12 pine	321 11 pine	521 8 1/2 oak	721 7 oak	921 10 pine
122 8 1/2 oak	322 12 pine	522 6 oak	722 8 oak	922 8 oak
123 11 pine	323 11 oak	523 6 oak	723 6 oak	923 12 pine
124 13 pine	324 10 1/2 pine	524 10 oak	724 6 oak	924 8 oak
125 6 oak	325 10 oak	525 6 oak	725 6 oak	925 6 oak
126 9 pine	326 10 pine	526 12 oak	726 6 oak	926 14 oak
127 10 pine	327 12 oak	527 10 oak	727 7 oak	927 7 oak
128 13 pine	328 18 oak	528 6 oak	728 6 oak	928 7 oak
129 8 1/2 oak	329 8 1/2 oak	529 10 oak	729 6 oak	929 6 oak
130 8 pine	330 12 pine	530 6 oak	730 6 oak	930 6 oak
131 12 pine	331 6 oak	531 6 oak	731 7 oak	931 12 pine
132 12 pine	332 6 oak	532 6 oak	732 6 oak	932 6 oak
133 12 pine	333 6 oak	533 6 oak	733 7 oak	933 7 oak
134 12 pine	334 9 pine	534 oak	734 13 oak	934 9 oak
135 8 1/2 oak	335 8 1/2 oak	535 6 oak	735 6 oak	935 6 oak
136 10 pine	336 10 oak	536 9 pine	736 6 oak	936 7 oak
137 oak	337 oak	537 oak	737 12 oak	937 oak
138 7 oak	338 oak	538 oak	738 oak	938 9 oak
139 12 oak	339 10 pine	539 oak	739 oak	939 9 oak
140 11 oak	340 11 pine	540 13 oak	740 13 oak	940 7 oak
141 6 oak	341 10 oak	541 oak	741 13 oak	941 16 oak
142 6 oak	342 10 oak	542 oak	742 oak	942 6 oak
143 9 oak	343 10 pine	543 oak	743 oak	943 6 oak
144 14 pine	344 14 pine	544 oak	744 oak	944 6 oak
145 8 oak	345 12 pine	545 oak	745 oak	945 6 oak
146 9 oak	346 12 pine	546 oak	746 oak	946 6 oak
147 9 oak	347 18 oak	547 oak	747 oak	947 6 oak
148 7 oak	348 12 pine	548 9 pine	748 oak	948 6 oak
149 7 oak	349 12 pine	549 9 pine	749 6 oak	949 6 oak
150 7 oak	350 6 oak	550 6 oak	750 oak	950 oak
151 7 oak	351 14 pine	551 10 oak	751 6 oak	951 6 oak
152 14 pine	352 11 oak	552 13 oak	752 6 oak	952 6 oak
153 6 oak	353 8 oak	553 8 oak	753 6 oak	953 6 oak
154 6 oak	354 oak	554 6 oak	754 6 oak	954 6 oak
155 10 pine	355 6 oak	555 6 oak	755 6 oak	955 6 oak
156 10 pine	356 10 ash	556 6 oak	756 6 oak	956 6 oak
157 10 oak	357 10 ash	557 6 oak	757 6 oak	957 6 oak
158 6 oak	358 6 oak	558 6 oak	758 12 oak	958 6 oak
159 10 oak	359 6 oak	559 6 oak	759 7 oak	959 6 oak
160 10 oak	360 6 oak	560 6 oak	760 7 oak	960 6 oak
161 16 oak	361 6 oak	561 6 oak	761 6 oak	961 6 oak
162 8 oak	362 12 ash	562 6 oak	762 8 oak	962 8 oak
163 8 oak	363 10 oak	563 6 oak	763 6 oak	963 6 oak
164 8 pine	364 8 oak	564 oak	764 7 oak	964 6 oak
165 8 oak	365 8 oak	565 6 oak	765 6 oak	965 6 oak
166 11 pine	366 10 oak	566 6 oak	766 6 oak	966 6 oak
167 oak	367 10 oak	567 6 oak	767 6 oak	967 6 oak
168 10 oak	368 8 oak	568 6 oak	768 6 oak	968 6 oak
169 13 pine	369 6 oak	569 6 oak	769 7 oak	969 7 oak
170 10 oak	370 8 oak	570 6 oak	770 6 oak	970 6 oak
171 16 oak	371 oak	571 12 oak	771 10 oak	971 6 oak
172 6 oak	372 oak	572 oak	772 oak	972 oak
173 12 pine	373 6 oak	573 oak	773 oak	973 oak
174 12 oak	374 10 oak	574 oak	774 oak	974 oak
175 10 oak	375 6 oak	575 oak	775 oak	975 oak
176 13 oak	376 6 oak	576 oak	776 oak	976 oak
177 13 pine	377 6 oak	577 6 oak	777 6 oak	977 6 oak
178 15 pine	378 6 oak	578 6 oak	778 10 pine	978 6 oak
179 11 pine	379 6 oak	579 6 oak	779 6 oak	979 6 oak
180 11 pine	380 6 oak	580 6 oak	780 7 oak	980 6 oak
181 11 pine	381 6 oak	581 6 oak	781 7 oak	981 6 oak
182 12 pine	382 6 1/2 oak	582 6 oak	782 7 oak	982 6 oak
183 12 pine	383 6 oak	583 6 oak	783 8 1/2 oak	983 6 oak
184 11 pine	384 6 oak	584 6 oak	784 6 oak	984 6 oak
185 12 oak	385 10 oak	585 6 oak	785 7 1/2 oak	985 6 oak
186 10 pine	386 10 oak	586 10 pine	786 6 oak	986 6 oak
187 6 oak	387 6 oak	587 6 oak	787 6 oak	987 6 oak
188 10 oak	388 6 oak	588 6 pine	788 12 pine	988 6 oak
189 10 oak	389 6 oak	589 6 oak	789 6 oak	989 6 oak
190 10 oak	390 6 1/2 oak	590 6 oak	790 6 oak	990 6 oak
191 10 oak	391 6 oak	591 6 oak	791 6 oak	991 6 oak
192 10 pine	392 8 oak	592 6 oak	792 9 oak	992 6 oak
193 8 oak	393 8 oak	593 6 oak	793 6 oak	993 6 oak
194 9 pine	394 8 oak	594 6 oak	794 9 pine	994 6 oak
195 9 pine	395 8 oak	595 6 oak	795 6 oak	995 6 oak
196 7 oak	396 6 oak	596 6 oak	796 6 1/2 oak	996 6 oak
197 9 pine	397 6 oak	597 6 oak	797 6 oak	997 6 oak
198 7 oak	398 6 oak	598 6 oak	798 10 pine	998 6 oak
199 9 pine	399 9 oak	5		

Drawing name: \\cnd-server\Projects\2600-MDC00\17-300-Clermont-BTS\Cadd-Civil\Clermont C04 site plan.dwg Layout1 Oct 10, 2018 1:09pm by Eric



LEGEND

[Symbol]	LIGHT DUTY ASPHALT SEE PAVEMENT SECTION SHEET C8
[Symbol]	HEAVY DUTY ASPHALT SEE PAVEMENT SECTION SHEET C8
[Symbol]	CONCRETE SEE PAVEMENT SECTION SHEET C8

SITE DATA

PROJECT AREA:	409,828 SF / 9.40 ACRES
EXISTING ZONING:	M-1 INDUSTRIAL
FUTURE LAND USE:	INDUSTRIAL
EXISTING USE:	VACANT
PROPOSED USE:	WAREHOUSE/OFFICE
MAXIMUM IMPERVIOUS AREA:	80% / 327,882 SF / 7.53 ACRES
PROPOSED IMPERVIOUS AREA:	64% / 264,088 SF / 6.06 ACRES
TOTAL BUILDING AREA:	2.46 AC (107,400 SF)
TOTAL PAVEMENT/CONCRETE AREA:	3.60 AC (156,688 SF)
PROPOSED PERVIOUS AREA:	36% / 145,740 SF / 3.34 ACRES

BUILDING SETBACKS

REQUIRED	REQUIRED
FRONT (WEST)*	25 FEET
REAR (EAST)	25 FEET
SIDE (NORTH)	12 FEET
SIDE (SOUTH)**	12 FEET

LANDSCAPE BUFFERS

FRONT (WEST)*	20 FEET
REAR (EAST)	10 FEET
SIDE (NORTH)	10 FEET
SIDE (SOUTH)**	VARIES

*BUILDING SETBACK AND LANDSCAPE BUFFER MEASURED FROM NEW PROPERTY BOUNDARY AFTER ADDITIONAL 25 FEET OF HANCOCK ROAD ROW DEDICATION.
**BUILDING SETBACK MEASURED FROM TRADE AVENUE EDGE OF PAVEMENT.
***THE LANDSCAPE BUFFER WEST OF THE PROPOSED DRY RETENTION POND ALONG TRADE AVENUE AND THE LANDSCAPE BUFFER AREA EAST OF THE PROPOSED DRY RETENTION POND WERE MEASURED 10 FEET FROM THE TRADE AVENUE EDGE OF PAVEMENT. A LANDSCAPE AREA 10 FEET IN WIDTH WILL BE CONSTRUCTED ALONG THE SOUTH WALL OF THE SOUTH BUILDING IN LIEU OF A FORMAL LANDSCAPE BUFFER ALONG THE SOUTH PROPERTY BOUNDARY.

PARKING:

REQUIRED PARKING 1 SPACE PER 1,000 SQUARE FEET:
WAREHOUSE: 107,400 / 1,000 = 108 REQUIRED PARKING SPACES

PARKING PROVIDED:
STANDARD 90° PARKING: 108
COMPACT 90° PARKING: 2
HANDICAP SPACES: 8
TOTAL SPACES PROVIDED: 118 PARKING SPACES

BICYCLE PARKING:

REQUIRED BICYCLE PARKING - 5% OF VEHICULAR PARKING FOR THE FIRST 100 PARKING SPACES AND 2% OF VEHICULAR PARKING FOR PARKING SPACES OVER 100 SPACES.

NUMBER OF PROVIDED VEHICULAR PARKING SPACES = 118 SPACES
100 SPACES X 5% + 18 SPACES X 2% = 6 BICYCLE SPACES REQUIRED
PROVIDED = 6 BICYCLE SPACES

AVERAGE DAILY AND PEAK TRIPS:

ITE TRIP GENERATION MANUAL 8TH EDITION FOR WAREHOUSING:
WEEKDAY DAILY TRAFFIC = 3.56 TRIPS/1000 SF = 382 AVERAGE DAILY TRIPS
AM PEAK RATE = 0.30 TRIPS/1000 SF = 32 TRIPS
PM PEAK RATE = 0.32 TRIPS/1000 SF = 34 TRIPS

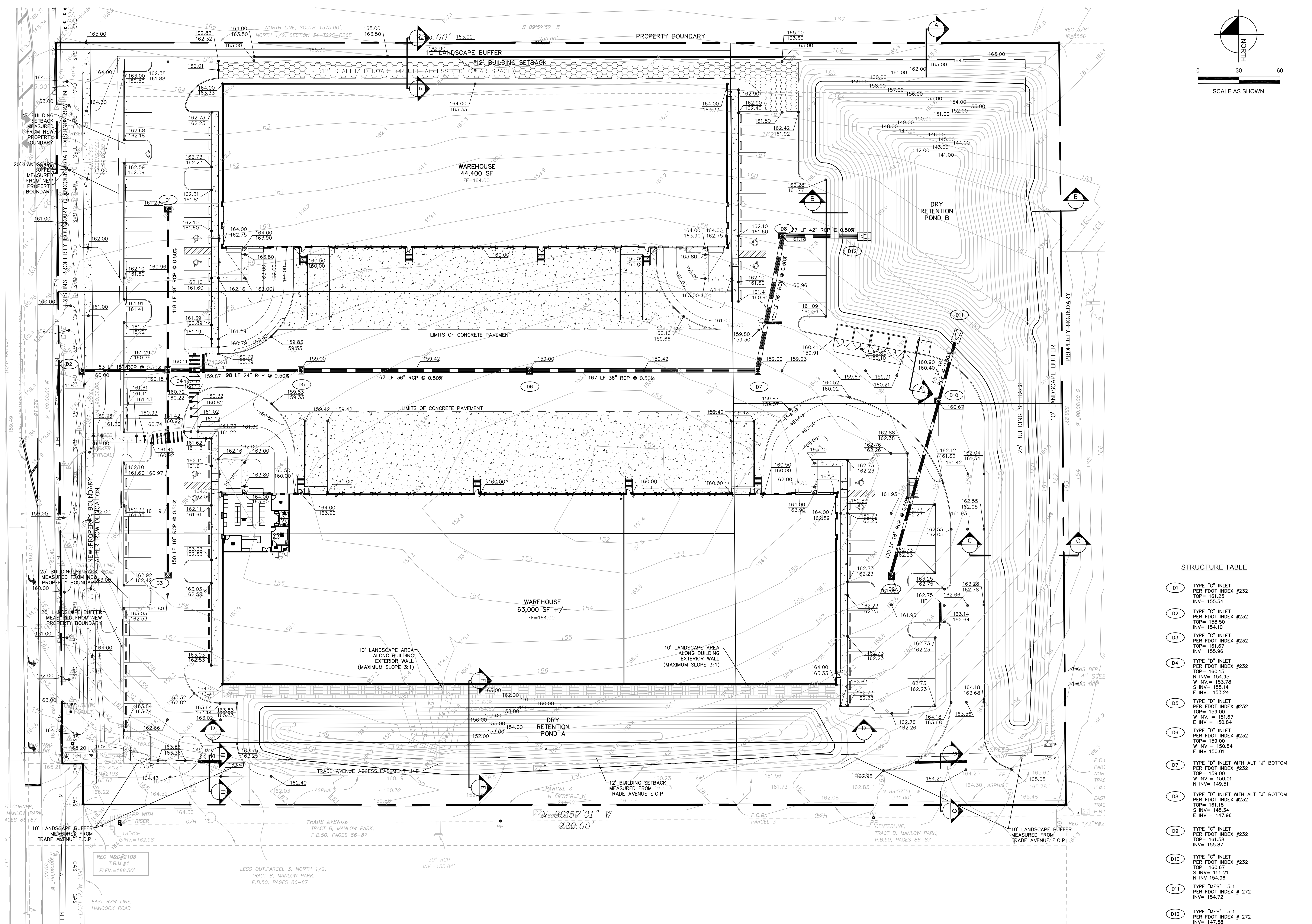
DESIGN ENGINEER:	CHAD S. LINN, P.E.	FLORIDA REGISTRATION NUMBER:	57524
DESIGNED BY:	EPL	DRAWN BY:	EPL
CHECKED BY:	EPL	DATE:	

SCALE: NOTED

PROJECT: CLERMONT COMMERCE CENTER
HANCOCK ROAD
CLERMONT FLORIDA

DATE: 8/21/2018
PROJECT NO.: 2600-17-300
SHEET NUMBER: C4

Drawing name: \\cmd-server\Projects\2600-MC00\17-300-Clermont-BTS-Cadd-Civil\Clermont_C05_P03.dwg PGD Oct 10, 2018 12:00pm by Eric



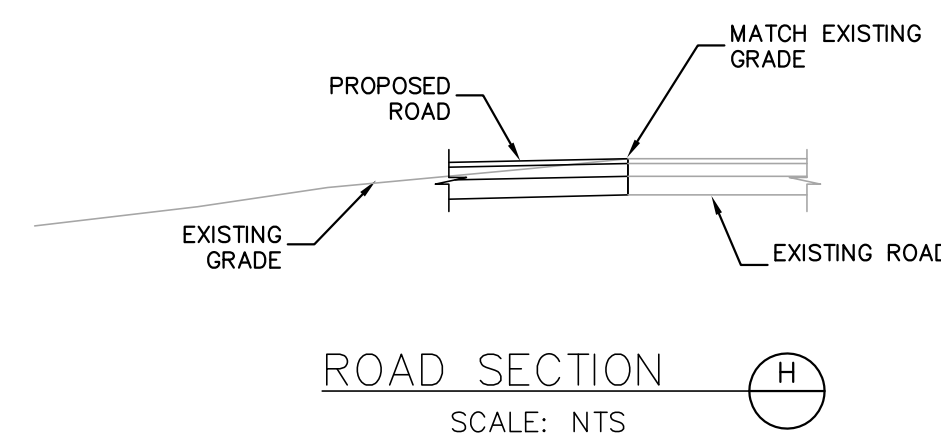
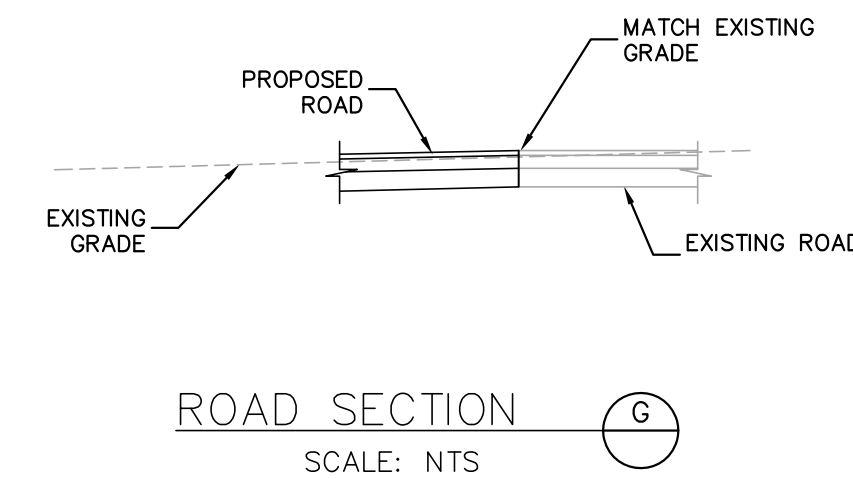
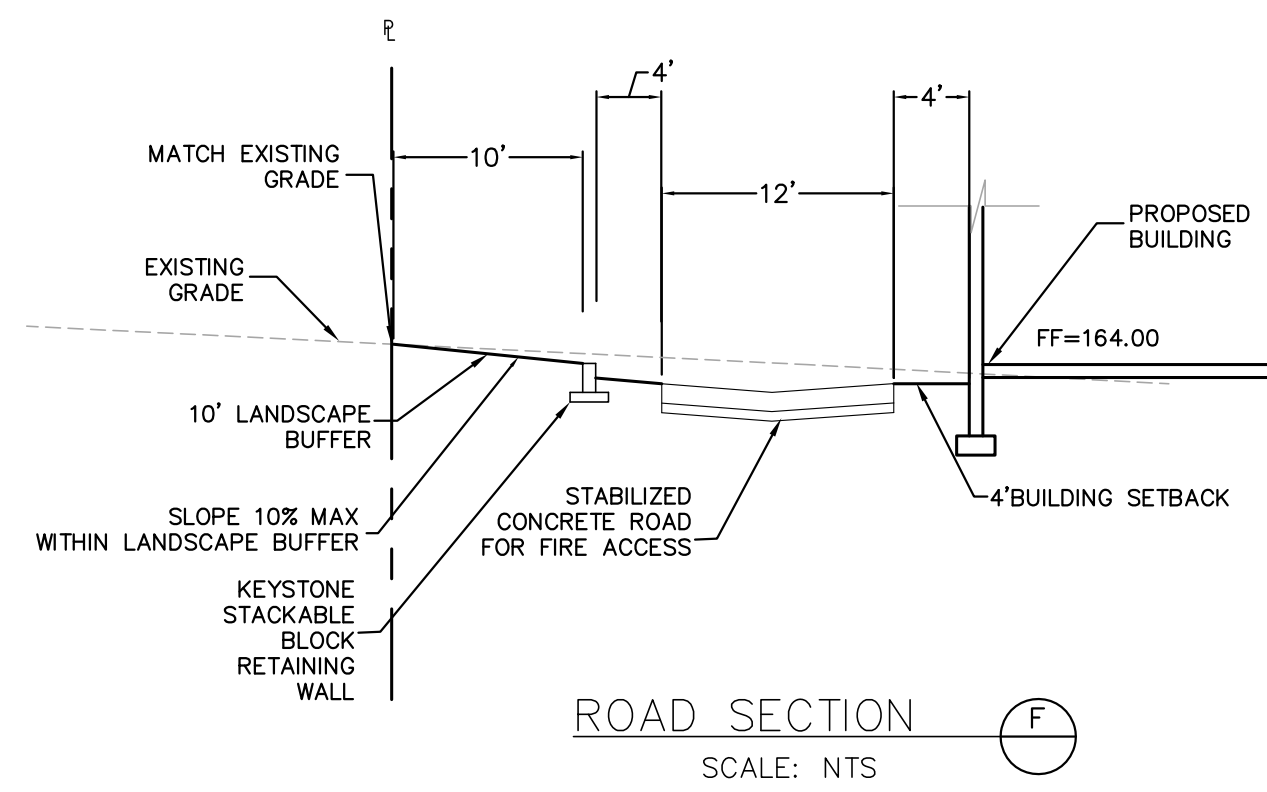
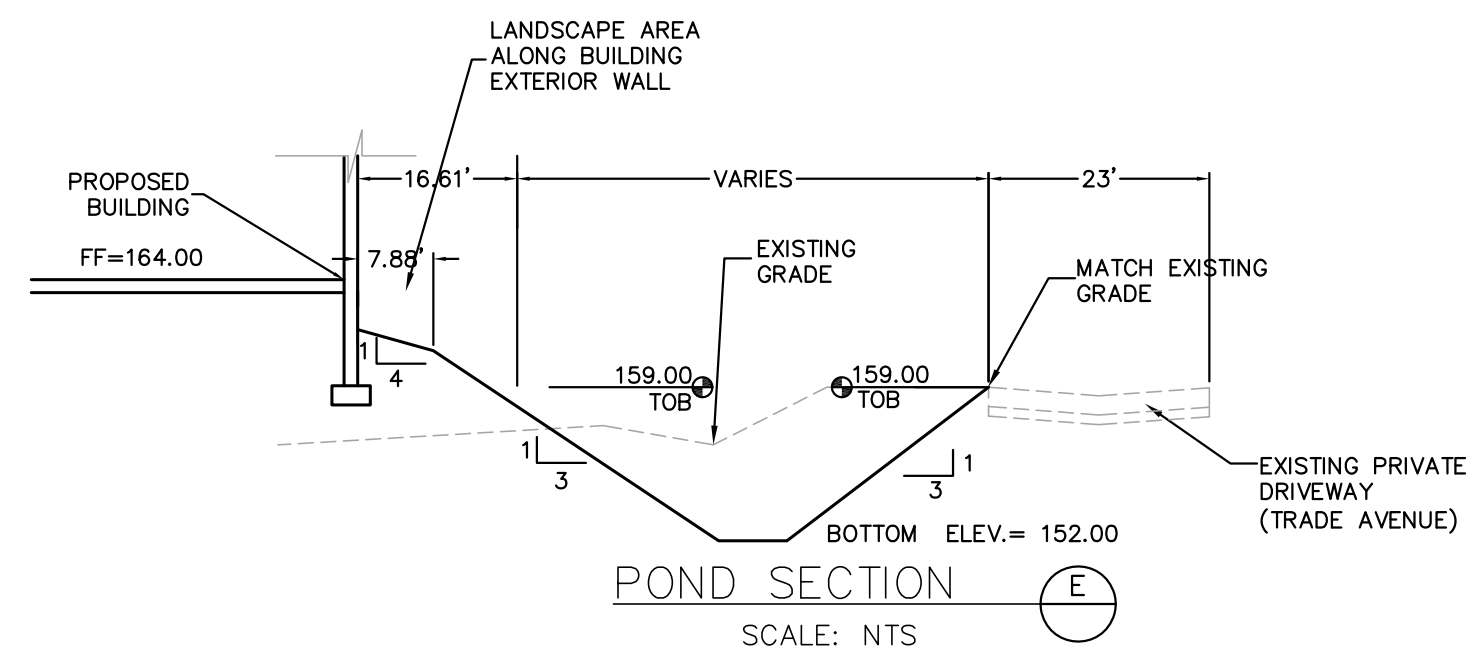
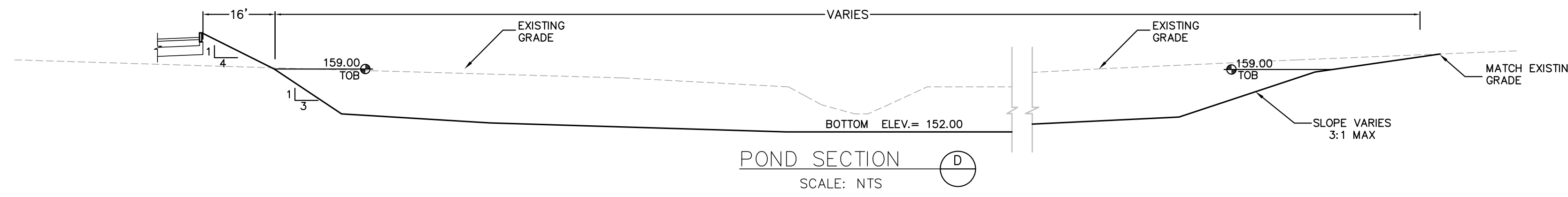
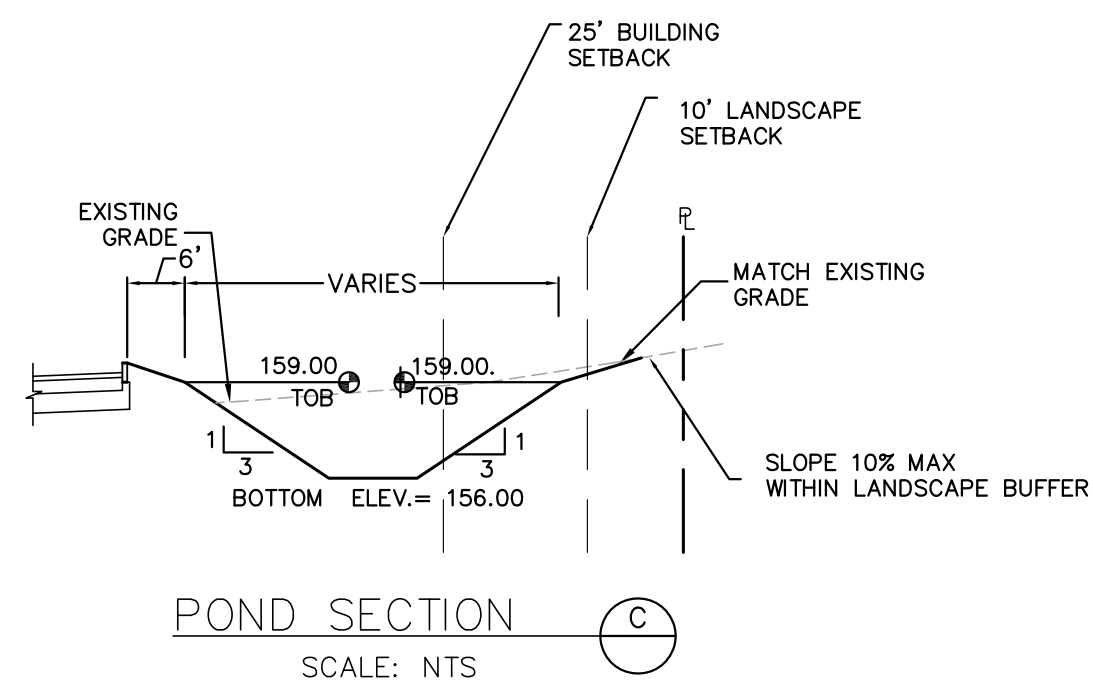
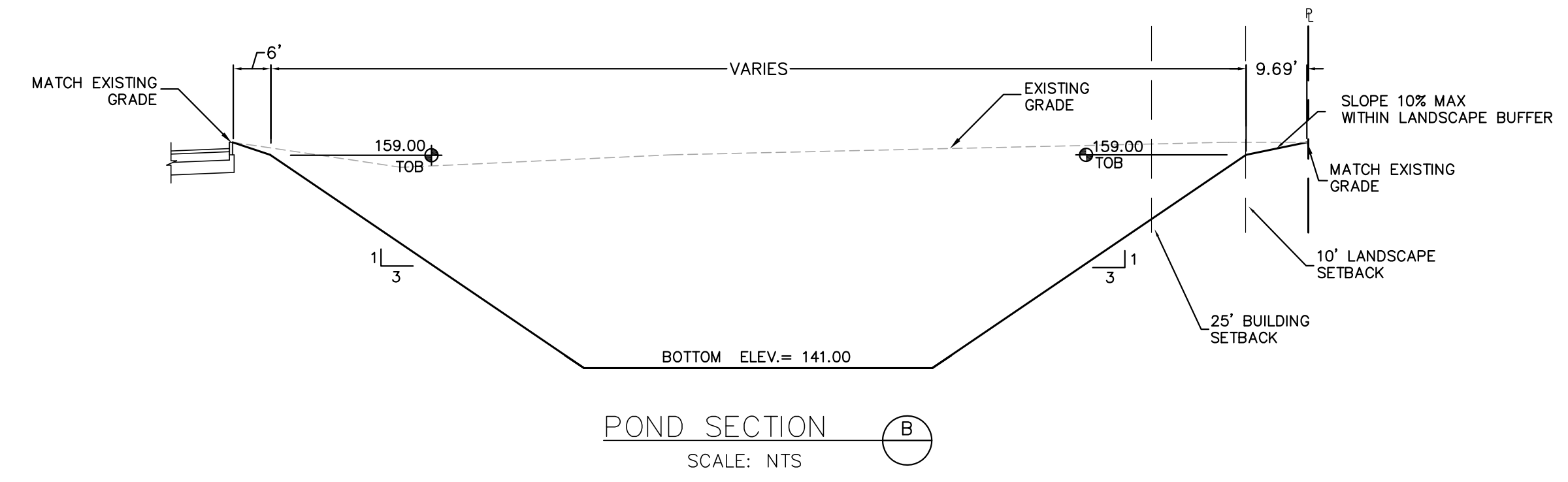
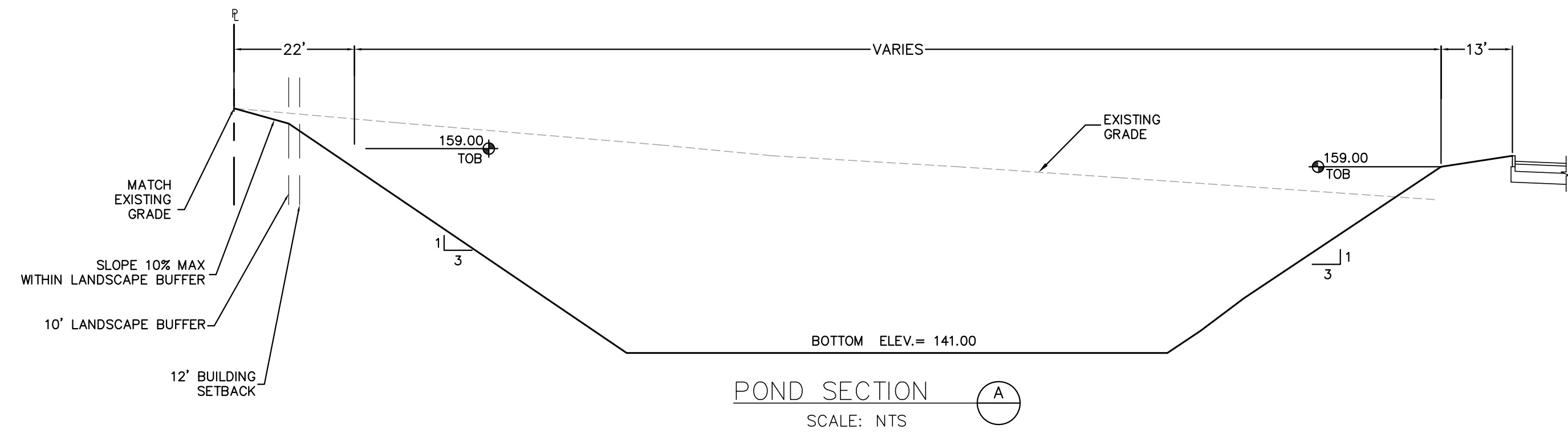
STRUCTURE TABLE

D1	TYPE "C" INLET PER FOOT INDEX #232 TOP= 161.25 INV= 155.54
D2	TYPE "C" INLET PER FOOT INDEX #232 TOP= 159.50 INV= 154.10
D3	TYPE "C" INLET PER FOOT INDEX #232 TOP= 161.67 INV= 155.96
D4	TYPE "D" INLET PER FOOT INDEX #232 TOP= 160.15 N INV= 154.95 W INV= 153.78 S INV= 155.14 E INV= 153.24
D5	TYPE "D" INLET PER FOOT INDEX #232 TOP= 159.00 W INV. = 151.67 E INV = 150.84
D6	TYPE "D" INLET PER FOOT INDEX #232 TOP= 159.00 W INV = 150.84 E INV 150.01
D7	TYPE "D" INLET WITH ALT "J" BOTTOM PER FOOT INDEX #232 TOP= 159.00 W INV = 150.01 N INV= 149.51
D8	TYPE "D" INLET WITH ALT "J" BOTTOM PER FOOT INDEX #232 TOP= 161.18 S INV= 148.34 E INV = 147.96
D9	TYPE "C" INLET PER FOOT INDEX #232 TOP= 161.58 INV= 155.87
D10	TYPE "C" INLET PER FOOT INDEX #232 TOP= 160.67 S INV= 155.21 N INV 154.96
D11	TYPE "MES" 5:1 PER FOOT INDEX # 272 INV= 154.72
D12	TYPE "MES" 5:1 PER FOOT INDEX # 272 INV= 147.58

<p>CLERMONT COMMERCE CENTER HANCOCK ROAD CLERMONT FLORIDA</p>	<p>PAVING, GRADING AND DRAINAGE PLAN</p>
<p>FLORIDA</p>	<p>LAKE COUNTY</p>
<p>DATE 8/21/2018</p>	<p>PROJECT NO. 2600-17-300</p>
<p>SHEET NUMBER C5</p>	<p>SEAL</p>
<p>DESIGN ENGINEER: CHAD S. LINN, P.E.</p>	<p>FLORIDA REGISTRATION NUMBER: 57524</p>
<p>DESIGNED BY EPL</p>	<p>CHECKED BY EPL</p>
<p>DRAWN BY EPL</p>	<p>SCALE(S) NOTED</p>
<p>NO.</p>	<p>REVISIONS</p>
<p>DATE</p>	<p>BY</p>

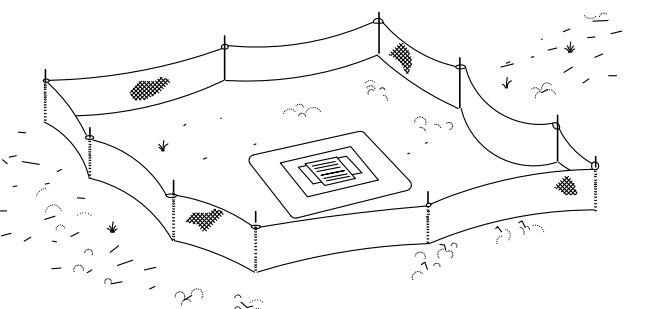
LINN ENGINEERING & DESIGN, INC.
P.O. BOX 140024
ORLANDO, FL 32814
PHONE: 407-225-4433
clinn@linnengineering.com

Drawing name: \\cnd-server\Projects\2600-MCDDO\17-300-Clermont-BTS\Cadd-Civil\Clermont-C10 SECTIONS.dwg Layout1 Oct 10, 2018 2:30pm by: Eric



CLERMONT COMMERCE CENTER HANCOCK ROAD CLERMONT FLORIDA		FLORIDA	
DATE 8/21/2018		PROJECT NO. 2600-17-300	
SHEET NUMBER C10		REVISIONS	
DESIGN ENGINEER: CHAD S. LINN, P.E. FLORIDA REGISTRATION NUMBER: 57524		SEAL	
LINN ENGINEERING & DESIGN, INC. P.O. BOX 140024 ORLANDO, FL 32814 PHONE: 407-282-4433 clinn@linnengineering.com		DATE BY	

SECTIONS

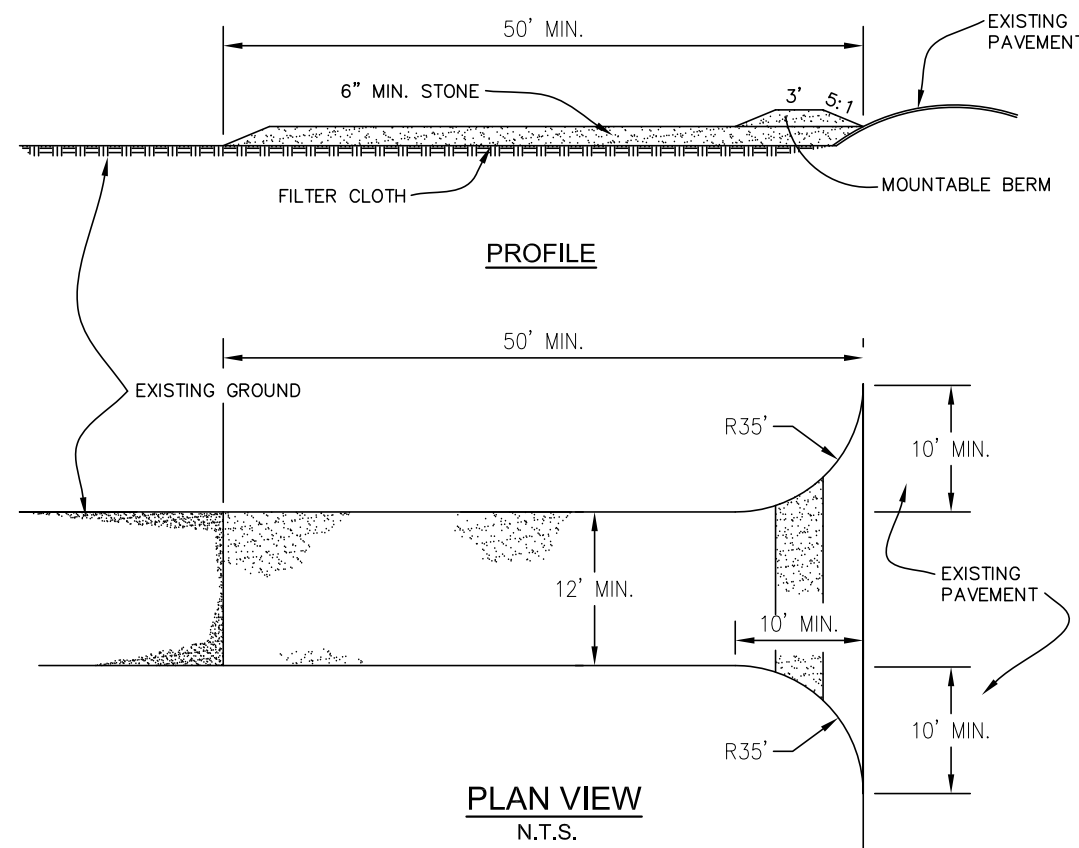


Type III Silt Fence Protection Around Ditch Bottom Inlets.

PUT FILTER FABRIC UNDER GRATE DURING CONSTRUCTION

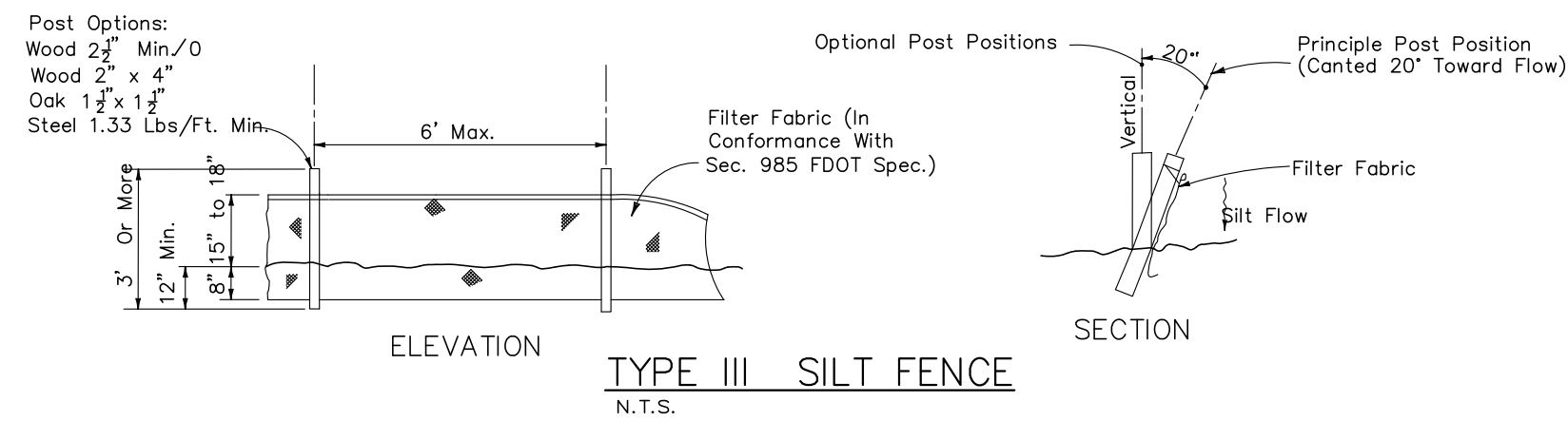
Do not deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water.

SILT FENCE APPLICATIONS
N.T.S.



STABILIZED CONSTRUCTION ENTRANCE
N.T.S.

- STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET.
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - TWELVE (12) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- FILTER CLOTH - WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE.
- SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE IF PIPING IS IMPRACTICAL. A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACK OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVED SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



TYPE III SILT FENCE
N.T.S.

BEST MANAGEMENT PRACTICES:

THIS PLAN HAS BEEN PREPARED TO ENSURE COMPLIANCE WITH APPROPRIATE CONDITIONS OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP), CITY OF CLERMONT LAND DEVELOPMENT REGULATIONS AND ST. JOHNS RIVER WATER MANAGEMENT DISTRICT (SJRWMD). THE PLAN ADDRESSES THE FOLLOWING AREAS:

- GENERAL EROSION CONTROL.
- PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION.
- CONTROL OF WIND EROSION.

THE VARIOUS TECHNIQUES OR ACTIONS IDENTIFIED UNDER EACH SECTION INDICATE THE APPROPRIATE SITUATION WHEN THE TECHNIQUES SHOULD BE EMPLOYED. IT SHOULD BE NOTED THAT THE MEASURES IDENTIFIED ON THIS PLAN ARE ONLY SUGGESTED BMP(S). THE CONTRACTOR SHALL PROVIDE POLLUTION PREVENTION AND EROSION CONTROL MEASURES AS SPECIFIED IN FOOT INDEX #100 AND AS NECESSARY FOR EACH SPECIFIC APPLICATION

SECTION 1 GENERAL EROSION CONTROL:

1.1 GENERAL EROSION CONTROL BEST MANAGEMENT PRACTICES SHALL BE EMPLOYED TO MINIMIZE SOIL EROSION AND POTENTIAL POND SLOPE CAVE-INS. WHILE THE VARIOUS TECHNIQUES REQUIRED WILL BE SITE AND PLAN SPECIFIC, THEY SHOULD BE EMPLOYED AS SOON AS POSSIBLE DURING CONSTRUCTION ACTIVITIES.

1.2 SLOPES OF BANKS OF RETENTION/DETENTION PONDS SHALL BE CONSTRUCTED NOT STEEPER THAN 3H:1V FROM TOP OF BANK TO POND BOTTOM.

1.3 SOD SHALL BE PLACED FOR A MIN. 2'-FOOT WIDE STRIP ADJOINING ALL CURBING AND AROUND ALL INLETS SOD SHALL BE PLACED BEFORE SILT BARRIERS ARE REMOVED.

SECTION 2 PROTECTION OF SURFACE WATER QUALITY DURING AND AFTER CONSTRUCTION:

2.1 SURFACE WATER QUALITY SHALL BE MAINTAINED BY EMPLOYING THE FOLLOWING BEST MANAGEMENT PRACTICES IN THE CONSTRUCTION PLANNING AND CONSTRUCTION OF ALL IMPROVEMENTS.

2.2 WHERE PRACTICAL, STORMWATER SHALL BE CONVEYED BY SWALES.

2.3 EROSION CONTROL MEASURES SHALL BE EMPLOYED TO MINIMIZE TURBIDITY OF SURFACE WATERS LOCATED DOWNSTREAM OF ANY CONSTRUCTION ACTIVITY. WHILE THE VARIOUS MEASURES REQUIRED WILL BE SITE SPECIFIC, THEY SHALL BE EMPLOYED AS NEEDED IN ACCORDANCE WITH THE FOLLOWING:

- IN GENERAL, EROSION SHALL BE CONTROLLED AT THE FURTHEST PRACTICAL UPSTREAM LOCATION.
- STORMWATER INLETS SHALL BE PROTECTED DURING CONSTRUCTION AS SHOWN ON THIS SHEET. PROTECTION MEASURES SHALL BE EMPLOYED AS SOON AS PRACTICAL DURING THE VARIOUS STAGES OF INLET CONSTRUCTION. SILT BARRIERS SHALL REMAIN IN PLACE UNTIL SODDING AROUND INLETS IS COMPLETE.

2.4 HEAVY CONSTRUCTION EQUIPMENT PARKING AND MAINTENANCE AREAS SHALL BE DESIGN TO PREVENT OIL, GREASE, AND LUBRICANTS FROM ENTERING SITE DRAINAGE FEATURES INCLUDING STORMWATER COLLECTION AND TREATMENT SYSTEMS. CONTRACTORS SHALL PROVIDE BROAD DIKES, HAY BALES OR SILT SCREENS AROUND, AND SEDIMENT SUMPS WITHIN, SUCH AREAS AS REQUIRED TO CONTAIN SPILLS OF OIL, GREASE OR LUBRICANTS. CONTRACTORS SHALL HAVE AVAILABLE, AND SHALL USE, ABSORBENT FILTER PADS TO CLEAN UP SPILLS AS SOON AS POSSIBLE AFTER OCCURRENCE.

2.5 SILT BARRIERS, ANY SILT WHICH ACCUMULATES BEHIND THE BARRIERS, AND ANY FILL USED TO ANCHOR THE BARRIERS SHALL BE REMOVED PROMPTLY AFTER THE END OF THE MAINTENANCE PERIOD SPECIFIED FOR THE BARRIERS.

2.6 WHERE REQUIRED TO PREVENT EROSION FROM SHEET FLOW ACROSS BARE GROUND FROM ENTERING A LAKE OR SWALE, A TEMPORARY SEDIMENT SUMP SHALL BE CONSTRUCTED. THE TEMPORARY SEDIMENT SUMP SHALL REMAIN IN PLACE UNTIL VEGETATION IS ESTABLISHED ON THE GROUND DRAINING TO THE SUMP.

2.7 ALL PAINT(S) AND OTHER HAZARDOUS MATERIALS SHALL BE CONTAINED WITHIN A SINGLE ON-SITE AREA WITHIN SEALED CONTAINERS.

2.8 INSPECTION AND MAINTENANCE PROCEDURES FOR CONTROL MEASURES IDENTIFIED IN THE PLAN:

- THE CONTRACTOR IS REQUIRED TO PROVIDE A QUALIFIED INSPECTOR TO PERFORM AND DOCUMENT REQUIRED INSPECTIONS.
- ALL DISTURBED AREAS, STORAGE AREAS, AND CONSTRUCTION EXITS MUST BE INSPECTED. THIS INCLUDES OFF-SITE CONSTRUCTION AREAS.
- INSPECTIONS MUST BE COMPLETED ONCE EVERY SEVEN DAYS AND/OR WITHIN 24 HOURS OF A STORM EVENT OF 0.5 INCHES OR GREATER (CONTRACTOR TO PROVIDE AN ON-SITE RAIN GAUGE AND PROVIDE DAILY RECORDING OF RAIN EVENTS).
- ALL AREAS OF UNSATISFACTORY CONTROLS (INCLUDING EXISTING CONTROL MEASURES OR AREAS REQUIRING ADDITIONAL CONTROL MEASURES) SHALL BE REPAIRED/MAINTAINED/INSTALLED WITHIN 24 HOURS OF THE OBSERVANCE OR PRIOR TO AN ANTICIPATED RAIN EVENT IF FORECAST SOONER THAN 24 HOURS.

2.9 ALL WATER RUNOFF RESULTING FROM SOURCES OTHER THAN RAINFALL EVENTS (I.E. BLOW-OFF FROM HYDRO-STATIC TESTING, PROCESS WATER FROM VEHICLE WASH-DOWN, ETC.) SHALL BE DIRECTED TOWARDS THE ON-SITE SURFACE WATER MANAGEMENT SYSTEM, WHETHER IN TEMPORARY OR FINAL CONDITION, SO THAT IT HAS NO ADVERSE IMPACTS TO DOWNSTREAM WATER QUALITY CONDITIONS.

SECTION 3 CONTROL OF WIND EROSION:

3.1 WIND EROSION SHALL BE CONTROLLED BY EMPLOYING THE FOLLOWING METHODS AS NECESSARY AND APPROPRIATE:

A. BARE EARTH AREAS SHALL BE WATERED DURING CONSTRUCTION AS NECESSARY TO MINIMIZE THE TRANSPORT OF FUGITIVE DUST. IT MAY BE NECESSARY TO LIMIT CONSTRUCTION VEHICLE SPEED IF BARE EARTH HAS NOT BEEN EFFECTIVELY WATERED. IN NO CASE SHALL FUGITIVE DUST BE ALLOWED TO LEAVE THE SITE UNDER CONSTRUCTION.

B. AS SOON AS PRACTICAL AFTER COMPLETION OF CONSTRUCTION, BARE EARTH AREAS SHALL BE VEGETATED.

C. AT ANY TIME BOTH DURING AND AFTER SITE CONSTRUCTION THAT WATERING AND/OR VEGETATION ARE NOT EFFECTIVE IN CONTROLLING WIND EROSION AND/OR TRANSPORT OF FUGITIVE DUST, OTHER METHODS AS ARE NECESSARY FOR SUCH CONTROL SHALL BE EMPLOYED. THESE METHODS MAY INCLUDE ERECTION OF DUST CONTROL FENCES. IF REQUIRED, DUST CONTROL FENCES SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE STANDARDS.

CLEARING AND SITE PREPARATION NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROPER INSTALLATION OF THE EROSION CONTROL DEVICES, AS SHOWN ON THE CONSTRUCTION PLANS. PRIOR TO ANY SITE CLEARING AND/OR DEMOLITION, REFER TO THE "EROSION CONTROL NOTES" SECTION CONTAINED HEREIN FOR ADDITIONAL REQUIREMENTS.

2. PRIOR TO ANY SITE CLEARING, ALL TREES SHOWN TO REMAIN, AS INDICATED ON THE CONSTRUCTION PLANS, SHALL BE PROTECTED IN ACCORDANCE WITH LOCAL TREE ORDINANCES, AND DETAILS CONTAINED IN THESE PLANS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN THESE TREES IN GOOD CONDITION. NO TREE(S) SHOWN TO REMAIN SHALL BE REMOVED WITHOUT WRITTEN APPROVAL FROM THE OWNER AND THE LOCAL AGENCY HAVING JURISDICTION OVER THESE ACTIVITIES.

3. THE CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. ALL DISTURBED AREAS MUST BE SEEDED, MULCHED, SODDED OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL, IMMEDIATELY FOLLOWING CONSTRUCTION.

4. THE TOP 4" TO 6" OF GROUND REMOVED DURING CLEARING AND GRUBBING ACTIVITIES SHALL BE STOCKPILED, TO BE USED FOR LANDSCAPING PURPOSES, UNLESS OTHERWISE DIRECTED BY THE OWNER. REMAINING EARTHWORK THAT RESULTS FROM CLEARING AND GRUBBING OR SITE EXCAVATION IS TO BE UTILIZED ON-SITE, PROVIDED THE MATERIAL IS DEEMED SUITABLE BY THE OWNER'S SOILS TESTING COMPANY. EXCESS MATERIAL IS TO EITHER BE STOCKPILED ON-SITE, AS DIRECTED BY THE OWNER OR OWNER'S ENGINEER, OR REMOVED FROM THE SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING ANY EXCESS MATERIAL FROM THE SITE.

5. ALL EXISTING DEBRIS (ABOVE OR BELOW GROUND), CONSTRUCTION DEBRIS AND OTHER WASTE MATERIAL SHALL BE DISPOSED OF OFF-SITE BY THE CONTRACTOR, IN ACCORDANCE WITH APPLICABLE REGULATORY AGENCY REQUIREMENTS.

6. THE CONTRACTOR IS TO PREPARE THE SITE IN ACCORDANCE WITH THE SOILS REPORT, COPIES OF WHICH ARE AVAILABLE THROUGH THE OWNER OR SOILS TESTING COMPANY DIRECTLY.

7. CONTRACTOR TO BE RESPONSIBLE FOR INSTALLATION OF TEMPORARY CONSTRUCTION FENCE AROUND ENTIRE PERIMETER OF PROPERTY. TYPE OF FENCE TO BE SUBMITTED BY CONTRACTOR TO ENGINEER FOR APPROVAL.

8. CONTRACTOR SHALL MAINTAIN STORMWATER MANAGEMENT SYSTEM TO INSURE NO DAMAGE TO ADJACENT PROPERTIES OCCURS DURING STORM EVENTS.

9. DISTURBED AREA(S) WITHIN THE ROW WILL BE COMPACTED TO 98% OF MAXIMUM DENSITY AND SODDED.

10. DO NOT DISTURB EXISTING UNDERDRAIN OR STORM SYSTEMS.

11. NO STOCKPILING OF MATERIAL IN ROADWAY OR ON SIDEWALK; ALL DIRT AND DEBRIS WILL BE REMOVED FROM JOB SITE DAILY. ROADS AND SIDEWALK TO BE SWEEP DAILY AS PART OF DAILY CLEAN-UP.

12. CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO EXISTING CONDITIONS OR BETTER. CONTRACTOR SHALL PROVIDE TO ENGINEER PHOTOGRAPH OF PRE-CONSTRUCTION CONDITIONS AND POST-CONSTRUCTION CONDITIONS AS REQUESTED BY ENGINEER.

13. PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, AND OTHER FACILITIES FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT AND OTHER HAZARDS CREATED BY THE DEMOLITION OPERATION.

14. REMOVE WASTE MATERIALS AND UNSUITABLE AND EXCESS TOPSOIL FROM PROPERTY AND DISPOSE OF OFF SITE IN A LEGAL MANNER.

15. DURING PREPARATION OF THE SUB GRADE AND UNTIL THE PAVING IS IN PLACE, THE CONTRACTOR SHALL PROMPTLY TAKE REASONABLE MEASURES TO OBTAIN AND MAINTAIN A DRY SITE CONDITION. SUCH MEASURES SHALL INCLUDE PUMPING OF FREE SURFACE WATER, MINOR HAND AND/OR MACHINE SHAPING OF FACILITATE WATER REMOVAL, AND OTHER OPERATIONS TO SPEED DRYING.

16. ALL DELETERIOUS SUBSURFACE MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS, ETC.) IS TO BE EXCAVATED AND REPLACED WITH SUITABLE/COMPACTED SOILS, AS DIRECTED BY THE OWNER, THE OWNERS ENGINEERS, OR OWNERS SOILS TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED OR REMOVED FROM THE SITE AS DIRECTED BY THE OWNER. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE PLANS. CONTRACTOR IS RESPONSIBLE FOR ACQUIRING ANY PERMITS THAT ARE NECESSARY FOR REMOVING DELETERIOUS MATERIAL FROM THE SITE.

17. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND WILL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. DEWATERING METHODS SHALL BE USED AS REQUIRED TO KEEP TRENCHES DRY WHILE PIPE AND APPURTENANCES ARE BEING PLACED.

18. THE CONTRACTOR WILL STABILIZE BY SEED AND MULCH, SOD, OR OTHER APPROVED MATERIALS ANY DISTURBED AREAS WITHIN ONE WEEK FOLLOWING CONSTRUCTION OF THE UTILITY SYSTEMS AND PAVEMENT AREAS. CONTRACTOR SHALL MAINTAIN SUCH AREAS UNTIL FINAL ACCEPTANCE BY OWNER. CONTRACTOR TO COORDINATE WITH OWNER REGARDING TYPE OF MATERIAL, LANDSCAPING AND IRRIGATION REQUIREMENTS.

EROSION AND SILTATION CONTROL:

1. GENERAL - ALL EROSION AND SILTATION CONTROL METHODS SHALL BE IMPLEMENTED PRIOR TO THE START OF CONSTRUCTION. DURING CONSTRUCTION, DENUDED AREAS SHALL BE COVERED BY MULCHES SUCH AS STRAW, HAY AND FILTER FABRIC. ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS OR HAY BALES. THESE SHALL BE MAINTAINED AND MODIFIED DURING THE CONSTRUCTION PROCESS TO MINIMIZE DOWNSTREAM SILTATION. WHEN CONSTRUCTION IS COMPLETED, DETENTION AREAS WILL BE RESHAPED, CLEANED OF SILT, MUD AND DEBRIS, AND RE-SODDED TO PROPERLY DETAIN THE INTENDED STORM QUANTITIES.

2. PROTECTION AND STABILIZATION OF ON-SITE SOIL STOCKPILES - FILL MATERIAL STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES MAY BE REQUIRED, DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY UNSTOCKPILED MATERIAL REMAIN MORE THAN THIRTY (30) CALENDAR DAYS AFTER SUBSTANTIAL PROJECT COMPLETION.

3. PROTECTION OF EXISTING STORM SEWER SYSTEMS: DURING CONSTRUCTION, ALL STORM SEWER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION.

4. SEDIMENT BASINS AND TRAPS, SEDIMENT TRAPPING MEASURES: PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF, MUST BE INSTALLED, CONSTRUCTED OR, IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE WEEK OF INSTALLATION.

5. ALL SWALES, DITCHES AND CHANNELS: CHANNELS LEADING FROM THE SITE SHALL BE SODDED WITH ARGENTINE BAHIA WITHIN THREE (3) DAYS OF EXCAVATION.

6. THE CONSTRUCTION OF UNDERGROUND UTILITY CONSTRUCTION: UNDERGROUND UTILITY LINES AND OTHER STRUCTURES SHALL BE DONE IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

- NO MORE THAN 500 LINEAR FEET OF TRENCH SHALL BE OPEN AT ANY ONE TIME;
- WHEREVER CONSISTENT WITH SAFETY AND SPACE CONSIDERATION, EXCAVATED MATERIAL SHALL BE CAST TO THE UPHILL SIDE OF TRENCHES. TRENCH MATERIAL SHALL NOT BE CAST INTO OR ONTO THE SLOPE OF ANY STREAM, CHANNEL, ROAD, DITCH OR WATERWAY.

7. ALL EROSION AND SILTATION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND WILL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.

<p>EROSION CONTROL AND STORM WATER POLLUTION</p>	
<p>CLERMONT COMMERCE CENTER HANCOCK ROAD CLERMONT FLORIDA</p>	<p>FLORIDA LAKE COUNTY</p>
<p>DATE 8/21/2018</p>	<p>PROJECT NO. 2600-17-300</p>
<p>SHEET NUMBER SWPPP1</p>	<p>SCALE: NOTED</p>
<p>DESIGNED BY: EPL</p>	<p>DRAWN BY: EPL</p>
<p>CHECKED BY: EPL</p>	<p>DESIGN ENGINEER: CHAD S. LINN, P.E. FLORIDA REGISTRATION NUMBER: 57524</p>
<p>SEAL</p>	<p>NO. _____</p>
<p>REVISIONS</p>	<p>DATE</p>
<p>BY</p>	<p>DATE</p>

Drawing name: \\cand-server\Projects\2600-MCDONALD\17-300-Clermont-BTS\Cadd-Civil\Clermont-SWPPP-1-EROSION CONTROL AND STORM WATER POLLUTION.dwg SWPPP-1 EROSION CONTROL AND STORM WATER POLLUTION Oct 10, 2018 2:56pm by: Eric

DEVELOPER/APPLICANT:
MCDONALD DEVELOPMENT COMPANY
1540 NORTHSIDE PARKWAY, BLDG 200
SUITE 700
ATLANTA, GA 30327
CONTACT: GREG TOEPP
PHONE: (407) 536-5323
FAX: (407)536-5301

ARCHITECT:
C4 ARCHITECTURE
135 WEST CENTRAL BOULEVARD
SUITE 410
ORLANDO, FL 32801
CONTACT: DARWIN REYES
PHONE: (407) 363-6136 x203
EMAIL: dreyes@c4architecture

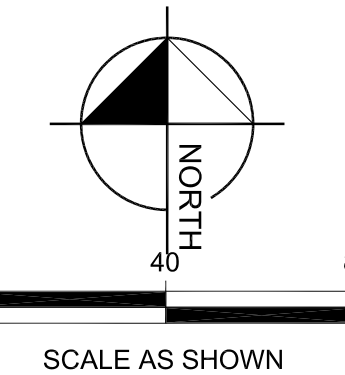
PROJECT DESCRIPTION:
WE ARE PROPOSING TO CONSTRUCT 2 WAREHOUSE/OFFICE BUILDINGS (107,400 SF TOTAL) WITH ASSOCIATED TRUCK COURT, DRIVEWAY AND PARKING. THE TOTAL PROJECT AREA IS APPROXIMATELY 9.40 ACRES. THE TOTAL PROPOSED IMPERVIOUS AREA FOR THE SITE IS 6.06 ACRES AND THE STORM WATER IS BEING ROUTED INTO TWO PROPOSED DRY RETENTION PONDS.

SOILS:
CANDLER FINE SANDS 0-5% SLOPES,
CANDLER FINE SANDS 5-12% SLOPES
LAKE FINE SAND,

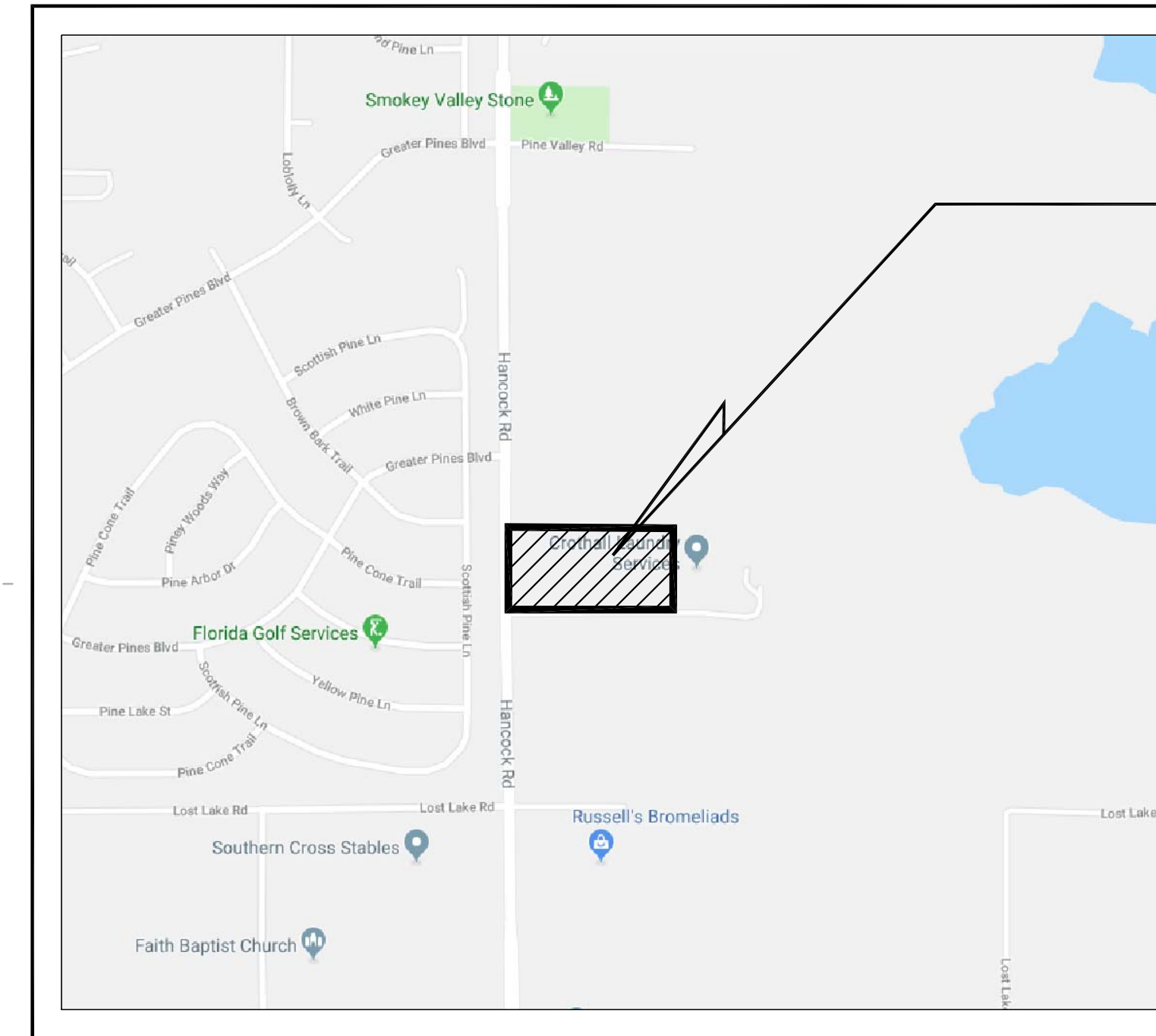
BASIN AREA: 9.40AC.
THE DRY RETENTION PONDS WILL RETAIN 100% OF THE STORMWATER RUNOFF FOR THE 100YR-24HR STORM EVENT. NO OFFSITE DISCHARGE IS PROPOSED.

ENGINEER:
LINN ENGINEERING & DESIGN
P.O. BOX 140024
ORLANDO, FL 32814
CONTACT: CHAD S. LINN, P.E.
PHONE: 407-252-6433
EMAIL: clinn@linnengineering.com

SURVEYOR:
GRUSENMEYER - SCOTT AND ASSOCIATES
5400 EAST COLONIAL DRIVE,
ORLANDO, FLORIDA 32807
CONTACT: TIM GRUSENMEYER
PHONE: (407) 277-3232
EMAIL: gruscott@gruscott.com



AUGUST, 2018



LOCATION MAP
SECTION 26, TOWNSHIP 23 S, RANGE 30 E
SCALE: NTS

Property Description

PARCEL 1
East 241 feet of North 1/2 of that portion of the following described land lying North of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida. The South 1575 feet of the West 1860 feet of the North 1/2 of Section 34, Township 22 South, Range 26 East, Lake County, Florida, Less the North 726 feet of East 900 feet thereof.

PARCEL 2
The North 1/2 of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida.

and
(The East 241 feet of) The South 1/2 of that portion of the following described land lying North of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida. The South 1575 feet of the West 1860 feet of the North 1/2 of Section 34, Township 22 South, Range 26 East, Lake County, Florida, Less the North 726 feet of the East 900 feet thereof.

PARCEL 3
Commence at the Northeast corner of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida, then run South 00°30'05" East along the East line of said Tract B for a distance of 30.00 feet to the centerline of said Tract B; then run North 89°57'31" West along said centerline for a distance of 241.00 feet to the Point of Beginning; then continue North 89°57'31" West along said centerline for a distance of 479.00 feet to the East right of way line of Hancock Road; then run North 00°30'05" West along said East right of way line for a distance of 30.00 feet to the Northwest corner of said Tract B; then run North 89°57'27" West for a distance of 15.00 feet to the East right of way line of Hancock Road; then run North 00°30'05" West along said East right of way line for a distance of 177.00 feet; then run North 89°57'27" West for a distance of 15.00 feet to the East right of way line of Hancock Road; then run North 00°30'05" East for a distance of 494.00 feet to the Point of Beginning, less and except any portion lying within the North 1/2 of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida.

PARCEL 4
Commence at the Northeast corner of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida, then run South 00°30'05" East along the East line of said Tract B for a distance of 30.00 feet to the centerline of said Tract B; then run North 89°57'31" West along said centerline for a distance of 241.00 feet; then run North 00°30'05" West for a distance of 198.91 feet to the Point of Beginning; then run North 89°57'27" West for a distance of 494.00 feet to the East right of way line of Hancock Road; then run North 00°30'05" West along said East right of way line for a distance of 177.00 feet; then run South 89°57'27" East for a distance of 494.00 feet; then run South 00°30'05" East for a distance of 177.00 feet to the Point of Beginning.

PARCEL 5
Commence at the Northeast corner of Tract B, Manlow Park, according to the plat thereof, as recorded in Plat Book 50, Pages 86 and 87, Public Records of Lake County, Florida, then run South 00°30'05" East along the East line of said Tract B for a distance of 30.00 feet to the centerline of said Tract B; then run North 89°57'31" West along said centerline for a distance of 241.00 feet; then run North 00°30'05" West for a distance of 375.91 feet to the Point of Beginning; then run North 89°57'27" West for a distance of 494.00 feet to the East right of way line of Hancock Road; then run North 00°30'05" West along said East right of way line for a distance of 177.00 feet; then run North 00°30'05" East for a distance of 494.00 feet to the Point of Beginning, less and except any portion lying within the North 1/2 of Section 34, Township 22 South, Range 26 East, then run South 89°57'27" East along said North line for a distance of 494.00 feet; then run South 00°30'05" East for a distance of 177.00 feet to the Point of Beginning.

BOUNDARY SURVEY FOR/CERTIFIED TO: MCDONALD DEVELOPMENT; FIDELITY NATIONAL TITLE

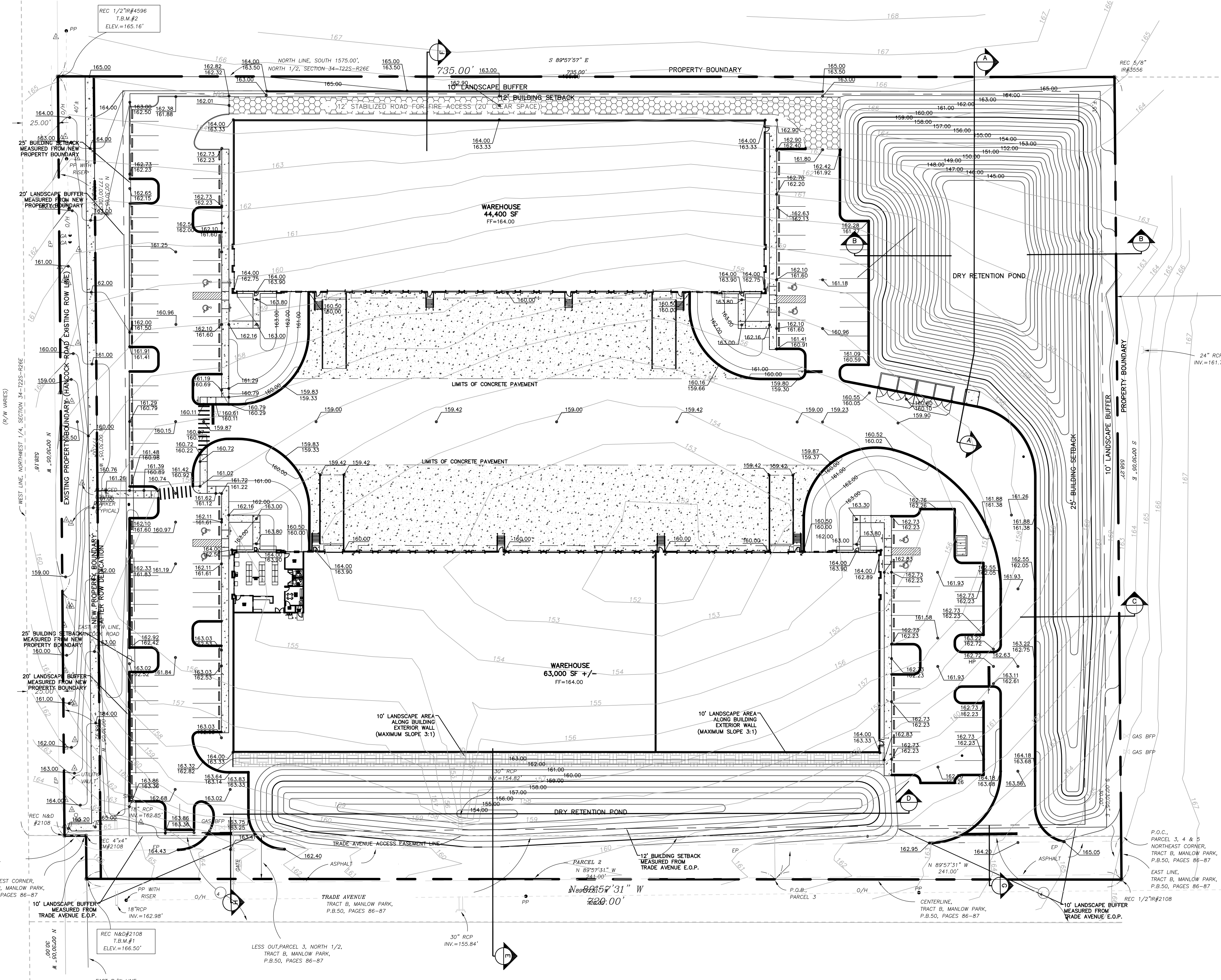


Table with columns: No., REVISIONS, DATE, BY, DESIGN ENGINEER, CHAD S. LINN, P.E., FLORIDA REGISTRATION NUMBER, 57524, SEAL, SCALES NOTED, CHECKED BY EPL, DRAWN BY EPL, EROSION CONTROL AND STORM WATER POLLUTION, CLERMONT COMMERCIAL CENTER, HANCOCK ROAD, CLERMONT FLORIDA, FLORIDA, LAKE COUNTY, DATE 8/21/2018, PROJECT NO. 2600-17-300, SHEET NUMBER SWPPP2