GENERAL LEGEND: EXISTING EXISTING IRON PIN FOUND AS NOTED TRAFFIC SIGNAL BOX TSB EB **EXISTING LIGHT POLE** UB UTILITY BOX EXISTING CATCH BASIN EXISTING STORM MANHOLE EXISTING SANITARY MANHOLE EXISTING STORM INLET $\bigcirc V$ **EXISTING IRRIGATION VALVE** EXISTING FIBER OPTIC BOX FOB EXISTING SIGN EXISTING TRAFFIC POLE EXISTING PROPERTY LINE __ _ _san __ _ EXISTING UNDERGROUND SANITARY LINES — EXISTING UNDERGROUND WATER LINES EXISTING UNDERGROUND ELECTRIC LINES EXISTING IRRIGATION LINE EXISTING RETAINING WALL WITH 4.0' FENCE PROPOSED CATCH BASIN PROPOSED CLEAN OUT PROPOSED FIRE HYDRANT • • PROPOSED EXTERIOR GREASE INTERCEPTOR PROPOSED ELECTRIC TRANSFORMER **⊘** ₩ PROPOSED LIGHT POLE PROPOSED EDGE OF PAVEMENT PROPOSED CURB PROPOSED CURB & GUTTER PROPOSED CONTOUR

IMPROVEMENT PLANS

HAMMOCK RIDGE ROAD & U.S. 27 CLERMONT, FLORIDA JANUARY, 2022 ISSUED FOR BID - MAY 19, 2022



INDEX OF DRAWINGS

PROJECT DESCRIPTION

THIS PROJECT CONSISTS OF A PROPOSED TACO BELL ON A PREVIOUSLY VACANT LOT.

PROPOSED WHEEL STOP

PROPOSED TRAFFIC SIGN

PAVEMENT MARKINGS

PROPOSED PAINTED ADA SYMBOL

FLORIDA SPECIFICATION

THE STANDARD SPECIFICATIONS OF THE STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

OWNER AND DEVELOPER

CONSULTANT

1. SITE SHALL COMPLY WITH THE FLORIDA BUILDING CODE 7TH EDITION (2020) ACCESSIBILITY.

PERMITS NOTE:

1. SEPARATE PERMITS ARE REQUIRED FOR THE FOLLOWING IF APPLICABLE: CONSTRUCTION TRAILERS, SALES CENTERS, DUMPSTER ENCLOSURES, LIFT STATIONS, SWIMMING POOLS, PLAYGROUND EQUIPMENT, WALL SIGNS, MONUMENT SIGNS, RETAINING/LANDSCAPE WALLS, ENTRY WALL FEATURES, SITE LIGHTING, GENERATORS, LIGHTNING PROTECTION SYSTEMS, BULK OXYGEN STORAGE TANKS, FENCES, AWNINGS, GREASE TRAPS, PAINT SPRAY BOOTHS, UNDERGROUND/ABOVE FUEL STORAGE TANKS, ETC.

SHOPPES AT HAMMOCK RIDGE CROSSINGS LLC.

TITLE SHEET

GENERAL NOTES

SWPPP NOTES.

SWPPP DETAILS

ALTA/NSPS LAND TITLE SURVEY

TACO BELL 1 GLEN BELL WAY IRVINE, CA 92618

PLAN REPRODUCTION WARNING

THE PLANS HAVE BEEN PREPARED

FOR PRINTING ON ANSI D (22"x34")

SHEETS MAY DISTORT SCALES.

REFER TO GRAPHIC SCALES.

SHEETS. PRINTING ON OTHER SIZE

GPD GROUP, INC. - 30920 520 S. MAIN STREET SUITE 2531 AKRON, OH 44311

. .C-011

. .TS-001

OWDD DIAN	
SWPP PLAN	012
DEMOLITION PLAN C-1	101
SITE PLAN	111
GRADING PLAN C-1	121
UTILITY PLAN	131
CATCH BASIN DRAINAGE AREA MAP	132
STORM SEWER CALCULATIONS	133
DETAILS	501
DETAILS	502
DETAILS	503
CITY OF CLERMONT DETAILS	504
UTILITIES INC. AND MISC. DETAILS	505
UTILITIES INC. DETAILS	506
LANDSCAPE PLANTING LP-	₋₁ 🗥
LANDSCAPE DETAILS & SPECIFICATIONS LP-	-2
IRRIGATION PLAN LI-1	1
IRRIGATION DETAILS & SPECIFICATIONS LI-2	2
IRRIGATION DETAILS LI-3	3
IRRIGATION DETAILS LI-4	4
PHOTOMETRIC PLAN E-0	001

LEGAL DESCRIPTION

LOT 1, COMMERCIAL PHASE 2, SHOPPES AT HAMMOCK RIDGE CROSSINGS, PHASE 2, COMMERCIAL PARCELS, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 73, PAGES 16 THROUGH 19, PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

CONTAINS 54,397 SQUARE FEET OR 1.249 ACRES MORE OR LESS.

GPD GROUP, INC.

Akron, OH 44311 330.572.2100 Fax 330.572.2101

	DATE	REMARKS
1	02.18.21	SITE PLAN REVIEW 1 COMMENTS
	05.13.22	NTP
	05.19.22	ISSUED FOR BID

CONTRACT DATE: BUILDING TYPE: END. 2.0 PLAN VERSION: JANUARY 2022 **BRAND DESIGNER:** SITE NUMBER: 315420 457313 STORE NUMBER:

PA/PM: JN DRAWN BY. JOB NO.: 2021088.46

TACO BELL

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0

TITLE SHEET

DEMOLITION INCLUDES THE FOLLOWING:

OR MECHANICAL CONDITIONS.

CORRECTIVE ACTIONS THAT MAY BE REQUIRED.

- 2.A. TRANSFER BENCHMARK CONTROL TO NEW LOCATIONS OUTSIDE THE DISTURBED AREA PRIOR TO COMMENCING DEMOLITION OPERATIONS (WHEN APPLICABLE).
- 2.B. DEMOLITION AND REMOVAL OF SITE IMPROVEMENTS NECESSARY FOR THE PROPOSED CONSTRUCTION OF NEW IMPROVEMENTS.
- 2.C. REROUTING, RELOCATING, DISCONNECTING, CAPPING OR SEALING, AND ABANDONING/REMOVING SITE UTILITIES IN PLACE (WHICHEVER IS APPLICABLE).
- REMOVE AND LEGALLY DISPOSE OF ITEMS CALLED OUT TO BE REMOVED. REMOVE AND TRANSPORT DEBRIS IN A MANNER THAT WILL PREVENT SPILLAGE ON ADJACENT SURFACES AND AREAS. THOSE ITEMS INDICATED TO BE REINSTALLED, SALVAGED, OR TO REMAIN SHALL BE CLEANED, SERVICED, AND OTHERWISE PREPARED FOR REUSE. CONTRACTOR TO STORE AND PROTECT AGAINST DAMAGE. REINSTALL ITEMS IN LOCATIONS INDICATED.
- PROTECT ITEMS INDICATED TO REMAIN AGAINST DAMAGE AND SOILING THROUGHOUT CONSTRUCTION. WHEN PERMITTED BY THE CONSTRUCTION MANAGER OR OWNER, ITEMS MAY BE REMOVED TO A SUITABLE, PROTECTED STORAGE LOCATION THROUGHOUT CONSTRUCTION AND THEN CLEANED AND REINSTALLED IN THEIR ORIGINAL LOCATIONS. PROMPTLY REPAIR DAMAGES TO ADJACENT FACILITIES CAUSED BY DEMOLITION OPERATIONS AT THE CONTRACTORS COST.
- CONTRACTOR SHALL SCHEDULE DEMOLITION ACTIVITIES WITH THE CONSTRUCTION/PROJECT MANAGER INCLUDING THE FOLLOWING:
- 5.A. DETAILED SEQUENCE OF DEMOLITION AND REMOVAL WORK, WITH STARTING AND ENDING DATES
- 5.B. DATES FOR SHUTOFF, CAPPING, AND CONTINUATION OF UTILITY SERVICES.
- REGULATORY REQUIREMENTS: COMPLY WITH GOVERNING EPA NOTIFICATION REGULATIONS BEFORE STARTING DEMOLITION. COMPLY WITH HAULING AND DISPOSAL REGULATIONS OF AUTHORITIES HAVING JURISDICTION
- MAINTAIN EXISTING UTILITIES INDICATED TO REMAIN IN SERVICE AND PROTECT THEM AGAINST
- DAMAGE THROUGHOUT CONSTRUCTION OPERATIONS. 7.A. DO NOT INTERRUPT EXISTING UTILITIES SERVING OCCUPIED OR OPERATING FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY OWNER'S REPRESENTATIVE AND AUTHORITIES HAVING JURISDICTION. PROVIDE TEMPORARY SERVICES DURING INTERRUPTIONS TO EXISTING UTILITIES, AS ACCEPTABLE TO OWNER AND TO GOVERNING AUTHORITIES.
- . LOCATE, IDENTIFY, DISCONNECT, AND SEAL OR CAP OFF INDICATED UTILITY SERVICES SERVING THE SITE. ARRANGE TO SHUT OFF AND CAP UTILITIES WITH UTILITY COMPANIES AND FOLLOW THEIR RESPECTIVE UTILITY KILL AND CAP POLICIES. DO NOT START DEMOLITION WORK UNTIL UTILITY DISCONNECTING AND SEALING HAVE BEEN COMPLETED AND VERIFIED IN WRITING BY THE UTILITY
- CONDUCT DEMOLITION OPERATIONS TO PREVENT INJURY TO PEOPLE AND DAMAGE TO ADJACENT BUILDINGS AND FACILITIES TO REMAIN. ENSURE SAFE PASSAGE OF PEOPLE AROUND DEMOLITION AREA. SAFE PASSAGE INCLUDES THE ERECTION OF TEMPORARY PROTECTION AND/OR BARRICADES AS PER LOCAL GOVERNING AUTHORITIES AND IN ACCORDANCE WITH THE CURRENT ADA REGULATIONS. USE OF EXPLOSIVES WILL NOT BE PERMITTED.
- 10. CLEAN ADJACENT BUILDINGS AND IMPROVEMENT OF DUST, DIRT, AND DEBRIS CAUSED BY DEMOLITION ATTAINED FROM OUTSIDE REFERENCE SOURCE LOCATIONS SUCH AS, BUT NOT OPERATIONS. RETURN ADJACENT AREAS TO CONDITION EXISTING BEFORE START OF DEMOLITION.
- 1. PROMPTLY DISPOSE OF DEMOLISHED MATERIALS. DO NOT ALLOW DEMOLISHED MATERIALS TO ACCUMULATE ON-SITE. STORAGE OR SALE OF REMOVED ITEMS OR MATERIALS ON-SITE WILL NOT BE PERMITTED. NO BURNING OF ANY MATERIALS ON SITE SHALL BE PERMITTED.
- 2. IT IS NOT EXPECTED THAT ASBESTOS WILL BE ENCOUNTERED IN THE COURSE OF THIS CONTRACT. IF ANY MATERIALS SUSPECTED OF CONTAINING ASBESTOS ARE ENCOUNTERED, DO NOT DISTURB THE MATERIALS. IMMEDIATELY NOTIFY THE CONSTRUCTION MANAGER AND THE OWNER.
- 3. SURVEY THE CONDITION OF THE STRUCTURE TO DETERMINE WHETHER REMOVING ANY ELEMENT MIGHT RESULT IN A STRUCTURAL DEFICIENCY OR UNPLANNED COLLAPSE OF ANY PORTION OF THE STRUCTURE OR ADJACENT STRUCTURES THROUGHOUT CONSTRUCTION.
- 14. DEMOLISH BUILDING AND STRUCTURAL PADS COMPLETELY AND REMOVE FROM THE SITE. USE METHODS REQUIRED TO COMPLETE WORK WITHIN LIMITATIONS OF GOVERNING REGULATIONS AND AS
- 14.A. DISPOSE OF DEMOLISHED ITEMS AND MATERIALS PROMPTLY.
- 14.B. DEMOLISH CONCRETE AND MASONRY IN SMALL SECTIONS. 14.C. BREAK UP AND REMOVE CONCRETE SLABS ON GRADE.

WHICH MAY NOT BE IDENTIFIED HEREIN).

- 15. BELOW-GRADE DEMOLITION: DEMOLISH FOUNDATION WALLS, PAVEMENTS, AND OTHER
- BELOW-GRADE DEMOLITION, AS FOLLOWS: 15.A. COMPLETELY REMOVE BELOW-GRADE DEMOLITION, INCLUDING FOUNDATION WALLS FOOTINGS, KNOWN AND UNKNOWN PAVEMENT SECTIONS INCLUDING UNDERLYING CONCRETE SLABS, AND OTHER BELOW GRADE CONCRETE SLABS FOUND DURING DEMOLITION (INCLUDING ITEMS
- I6. FILLING BELOW-GRADE AREAS: COMPLETELY FILL BELOW-GRADE AREAS AND VOIDS RESULTING FROM DEMOLITION OF BUILDINGS, PAVEMENTS, AND OTHER REMOVED ITEMS WITH SOIL MATERIALS ACCORDING TO REQUIREMENTS PER SOILS REPORT AND ON-SITE GEOTECHNICAL ENGINEER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT GEOTECHNICAL ENGINEER PRIOR TO FILLING ANY AREAS TO OBSERVE FILL PROCEDURES.
- 7. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS IF REQUIRED BY GOVERNING REGULATIONS.
- 18. CONTRACTOR TO WET SAWCUT EXISTING PAVEMENT TO REMAIN AT NEXT NEAREST JOINT PRIOR TO REMOVALS OF CURB, GUTTER, PAVEMENT, ETC.
- 19. THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKINGS WITH SMALL HANDHELD GRINDERS OR SCARIFIERS OR OTHER METHODS, WITH THE APPROVAL OF THE CONSTRUCTION MANAGER. TAKE CARE DURING MARKING REMOVAL NOT TO SCAR, DISCOLOR, OR OTHERWISE DAMAGE THE PAVEMENT SURFACE. DO NOT OVERPAINT OR USE OTHER METHODS OF COVERING MARKINGS INSTEAD OF REMOVAL.
- 20. WHEN NOTED AND ALLOWED BY THE OWNER, THE CONTRACTOR MAY RE-USE EXISTING WHEELSTOPS FOR THE PROPOSED SITE. CONTRACTOR AND CONSTRUCTION MANAGER SHALL COORDINATE WHICH EXISTING WHEELSTOPS MAY BE RE-USED PRIOR TO DEMOLITION. CONTRACTOR SHALL ENSURE THAT ALL RE-USED WHEELSTOPS ARE PROTECTED DURING CONSTRUCTION.
- 21. IF UNDERGROUND TANKAGE IS CALLED FOR DEMOLITION, THE CONTRACTOR SHALL COORDINATE REMOVAL AND REPLACEMENT WITH THE STATE BUREAU OF UNDERGROUND STORAGE TANK REGULATIONS (BUSTR). UNDERGROUND TANK REMOVAL SHALL ALSO INCLUDE THE REMOVAL OF ANY MONITORING WELLS, OIL/GAS WELLS, AND MINE SHAFTS, IN ACCORDANCE WITH GOVERNING AUTHORITIES HAVING JURISDICTION.
- 22. CONTRACTOR SHALL FULLY SECURE WORK AREA WITH THE APPROPRIATE SIGNAGE, FENCING, AND BARRICADES WHICH ACCOMMODATE VISUALLY IMPAIRED PERSONS AS AGREED UPON WITH SITE CONSTRUCTION/PROJECT MANAGER AND OWNER TO WARN AND KEEP PEOPLE OUT OF THE SITE WORK AREA FOR THE DURATION OF THE PROJECT.

GENERAL PLAN AND SURVEY NOTES

- PRIOR TO STARTING CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING SURE THAT ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN OBTAINED. NO CONSTRUCTION OR FABRICATION SHALL BEGIN UNTIL THE CONTRACTOR HAS RECEIVED AND THOROUGHLY REVIEWED ALL PLANS AND OTHER DOCUMENTS APPROVED BY ALL OF THE PERMITTING AUTHORITIES.
- ENTITLED "GRADING PLAN NOTES" FOR DEFINITIONS AS MAY BE NECESSARY FOR "GEOTECHNICAL ENGINEER" AND "SOILS REPORT".
- 3. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS, SPECIFICATIONS AND THE REQUIREMENTS AND STANDARDS OF THE LOCAL GOVERNING AUTHORITY. THE SOILS REPORT AND RECOMMENDATIONS SET FORTH THEREIN ARE A PART OF THE REQUIRED CONSTRUCTION DOCUMENTS AND TAKE PRECEDENCE UNLESS SPECIFICALLY NOTED OTHERWISE ON THE PLANS. THE CONTRACTOR SHALL NOTIFY THE CONSTRUCTION/PROJECT MANAGER OF ANY DISCREPANCY BETWEEN SOILS REPORT AND PLANS, ETC.
- 4. THE CONTRACTOR SHALL, UPON BECOMING AWARE OF SUBSURFACE OR LATENT PHYSICAL CONDITIONS DIFFERING FROM THOSE DISCLOSED BY THE ORIGINAL SOIL EXPLORATION WORK, PROMPTLY NOTIFY THE OWNER VERBALLY TO PERMIT VERIFICATION OF THE CONDITIONS AND IN WRITING, AS TO THE NATURE OF THE DIFFERING CONDITIONS. NO CLAIM BY THE CONTRACTOR FOR ANY CONDITIONS DIFFERING FROM THOSE ANTICIPATED IN THE PLAN AND SPECIFICATIONS AND DISCLOSED BY THE SOIL STUDIES WILL BE ALLOWED UNLESS THE CONTRACTOR HAS SO NOTIFIED THE OWNER, VERBALLY AND IN WRITING AS REQUIRED ABOVE, OF SUCH DIFFERING CONDITIONS.
- 5. ALL WORK WITHIN THE RIGHTS OF WAY SHALL BE IN ACCORDANCE WITH THE GOVERNING JURISDICTION AND SPECIFICATIONS.
- 6. CONTRACTOR SHALL COORDINATE ANY MAINTENANCE OF TRAFFIC WITH THE OWNER'S REPRESENTATIVE AND THE LOCAL JURISDICTION PRIOR TO CONSTRUCTION.
- 5.C. IDENTIFY AND ACCURATELY LOCATE UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, 7. CONTRACTOR SHALL AT ALL TIMES ENSURE THAT SWPP MEASURES PROTECTING EXISTING DRAINAGE FACILITIES BE IN PLACE PRIOR TO THE COMMENCEMENT OF ANY PHASE OF THE SITE CONSTRUCTION OR LAND ALTERATION. (SEE SWPP PLANS).
 - 8. ALL WORK SHALL BE COMPLETED IN A NEAT AND ORDERLY MANNER REMOVING ALL EXCESS MATERIAL AND WASTE FROM THE SITE INCLUDING TIMELY REMOVAL OF ANY CONCRETE SPLATTER. UPON COMPLETION OF PROJECT, CONTRACTOR SHALL CLEAN THE PAVED AREAS PRIOR TO REMOVAL OF TEMPORARY SEDIMENT CONTROLS, AS DIRECTED BY THE CITY AND/OR CONSTRUCTION/PROJECT MANAGER. IF POWER WASHING IS USED, NO SEDIMENT LADEN WATER SHALL BE WASHED INTO THE STORM SYSTEM. ALL SEDIMENT LADEN MATERIAL ON PAVEMENT OR WITHIN THE STORM SYSTEM SHALL BE COLLECTED AND REMOVED FROM THE SITE AT CONTRACTOR'S EXPENSE (SEE SWPP PLANS).
 - 9. THESE PROJECT CONSTRUCTION DOCUMENTS SHALL NOT CONSTITUTE A CONTRACTUAL RELATIONSHIP BETWEEN GPD GROUP, INC. - 30920 AND THE CONTRACTOR / SUBCONTRACTOR / OR OTHER AFFILIATED PARTIES.
 - 10. THE ENGINEER WILL NOT BE RESPONSIBLE FOR CONSTRUCTION OR SAFETY, MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES UTILIZED IN CONSTRUCTION BY THE CONTRACTOR OR SUBCONTRACTORS. ANY SEQUENCING OR SUGGESTED NOTATIONS WHICH MAY APPEAR IN THE PLANS IS INTENDED TO ASSIST IN THE UNDERSTANDING OF PROJECT INTENT.
 - 11. DETAILS, NOTES, AND OTHER REFERENCES CONTAIN HEREIN MAY HAVE BEEN LIMITED TO, LOCAL AUTHORITY AGENCIES, DESIGN REFERENCE MANUALS, MANUFACTURE'S RECOMMENDED DOCUMENTATION, OR OTHER INDUSTRY SOURCES. GPD DOES NOT WARRANT INFORMATION OR REPRESENTATION OF SAID CONTENT CONTAINED HEREIN, IT IS SHOWN SOLELY FOR REFERENCE ONLY OF DESIGN INTENT AT THE TIME OF PLAN PREPARATION. THE CONSTRUCTION TEAM MEMBERS (CONTRACTOR AND CONSTRUCTION MANAGER, WHERE APPLICABLE) SHALL OBTAIN THE MOST CURRENT DETAILED INFORMATION FROM THE RESPECTIVE SOURCE TO CONSTRUCT THE IMPROVEMENTS UNDER THE AUTHORITY OF THE RESPECTIVE GOVERNING AGENCIES. IF ANY DISCREPANCIES ARE DISCOVERED BETWEEN THE ORIGINAL DESIGN INTENT AND THE CONSTRUCTION TEAM OBTAINED REFERENCE MATERIAL, THE CONSTRUCTION MANAGER OR THE PROJECT'S CONTACT PERSON SHALL BE NOTIFIED PRIOR TO COMMENCING OF ASSOCIATED WORK.
 - 12. CONDUCT CONSTRUCTION OPERATIONS TO ENSURE MINIMUM INTERFERENCE WITH ROADS, STREETS, WALKS, AND OTHER ADJACENT OCCUPIED AND USED FACILITIES. DO NOT CLOSE OR OBSTRUCT STREETS, WALKS, OR OTHER ADJACENT OCCUPIED OR USED FACILITIES WITHOUT PERMISSION FROM OWNER AND AUTHORITIES HAVING JURISDICTION. PROVIDE ALTERNATE ROUTES AROUND CLOSED OR OBSTRUCTED TRAFFIC WAYS.
 - 13. THE A.L.T.A./NSPS LAND TITLE SURVEY BY ACCURIGHT SURVEYS OF ORLANDO INC., LB 4475, DATED 12/14/21 SHALL BE CONSIDERED A PART OF THESE PLANS. THE G.C. IS RESPONSIBLE FOR LOCATING IMPROVEMENTS PER THESE PLANS.
 - 14. THE LOCATIONS OF UNDERGROUND FACILITIES SHOWN ON THE PLANS ARE BASED ON GENERAL FIELD SURVEYS AND MATTERS OF RECORD AS PROVIDED BY THE CLIENT OR CLIENTS REPRESENTATIVE. IT SHALL BE THE CONTRACTOR'S FULL RESPONSIBILITY TO BECOME FAMILIAR WITH THE SITE'S POSSIBLE BELOW GRADE FEATURES, INCLUDING BUT NOT LIMITED TO, ROOMS, VAULTS, UTILITIES, ETC. AND SHALL CONDUCT A WALK THROUGH WITH THE OWNER'S REPRESENTATIVE. CONTRACTOR SHALL CONTACT THE VARIOUS UTILITY COMPANIES TO LOCATE THEIR FACILITIES PRIOR TO STARTING CONSTRUCTION. NO ADDITIONAL COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR REPAIR TO DAMAGE CAUSED BY THEIR WORK FORCE TO FACILITIES WHICH ARE NOT INTENDED TO BE DISTURBED.
 - 15. ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON THE SURVEY. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION/PROJECT MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
 - 16. IN SOME CASES, THE DEVELOPER OR OWNER MAY HAVE PROVIDED THEIR OVERALL DEVELOPMENT PLANS FOR THE PROJECT DESIGN RATHER THAN A FIELD SURVEY. (SEE SITE PLAN FOR NOTES WHEN THIS IS THE CASE). ALL DIMENSIONS, GRADES, AND UTILITY LOCATIONS SHOWN ON THESE PLANS WERE BASED ON SAID DEVELOPMENT PLANS. THE CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IF ANY DISCREPANCIES EXIST PRIOR TO PROCEEDING WITH CONSTRUCTION FOR NECESSARY CHANGES. NO EXTRA COMPENSATION SHALL BE PAID TO THE CONTRACTOR FOR WORK HAVING TO BE REDONE DUE TO INFORMATION SHOWN INCORRECTLY ON THESE PLANS IF SUCH NOTIFICATION HAS NOT BEEN GIVEN.
 - 17. THE CONTRACTOR SHALL RUN AN INDEPENDENT VERTICAL CONTROL TRAVERSE TO CHECK BENCHMARKS AND A HORIZONTAL CONTROL TRAVERSE THROUGH THE REFERENCED PROJECT CONTROL DATUM TO CONFIRM GEOMETRIC DATA. IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE CONSTRUCTION MANAGER OF ANY DISCREPANCIES PRIOR TO THE START OF CONSTRUCTION.

CONCRETE NOTES AND SPECIFICATIONS

- 1. ALL EXTERIOR SITE SPECIFIC PORTLAND CEMENT CONCRETE (PCC) (I.E. SIDEWALK, PAVEMENT OR CURBING) SHALL MEET THE MINIMUM REQUIREMENTS OF THE LATEST EDITIONS OF THE STATE DEPARTMENT OF TRANSPORTATION (DOT) AND THE AMERICAN CONCRETE INSTITUTE (ACI) SPECIFICATIONS USING THE RESPECTIVE ASTM STANDARDS FOR MATERIALS USED, MIXING, TRANSPORTATION, FORMING, PLACEMENT, CURING, AND SEALING. THE MINIMUM STRENGTH FOR NORMAL WEIGHT CONCRETE IS 4000 PSI AT 28 DAY STRENGTH. CONTRACTOR SHALL REFER TO DETAILS, NOTES, AND SPECIFICATIONS WITHIN THE CONSTRUCTION DOCUMENTS FOR VARIATIONS TO THIS SPECIFICATION. MIX DESIGN SHOP DRAWINGS SHALL BE TAILORED TO THE ACTUAL FIELD PLACEMENT CONDITIONS AND BE SUBMITTED TO THE CONSTRUCTION/PROJECT MANAGER IN ACCORDANCE WITH THE PROJECT REQUIREMENTS.
- 2. ALL EXTERIOR CONCRETE CURBS SHALL HAVE JOINTS PER ACI 330. CURB JOINTS ARE TO ALIGN WITH CONCRETE PAVEMENT JOINTS WHERE APPLICABLE, TYPICALLY BEING 10 FT TO 12 FT. ALL EXTERIOR VEHICULAR CONCRETE PAVEMENT AND FLATWORK SHALL HAVE CONTROL JOINTS PER TABLE BELOW AND EXPANSION JOINTS PER ACI 330 TYPICAL RECOMMENDATIONS.

MAXIMUM JOINT SPACING
8 FEET
10 FEET
12.5 FEET
15 FEET
15 FEET

- ALL JOINTS, INCLUDING SAWED JOINTS, SHALL BE SEALED. JOINTS SHALL BE CLEANED AND DRIED PRIOR TO SEALING. JOINT SEALING MATERIALS SHALL COMPLY WITH ASTM D 3406 FOR HOT APPLIED ELASTOMERIC, TT-S-001543A FOR SILICONE RUBBER, AND TT-S-00230S FOR SINGLE COMPONENT ELASTOMERIC. SEALER WIDTH, DEPTH, AND PREPARED APPLICATION SURFACES SHALL BE PER MANUFACTURES RECOMMENDATIONS. JOINT FILLER MATERIAL SHALL CONFORM TO ASTM D1751 OR ASTM D8139 AND EXTEND THE FULL DEPTH OF CONTACTING SURFACE.
- 4. ALL CONCRETE PANELS SHALL BE SQUARE WITH A LENGTH TO WIDTH RATIO NO GREATER THAN 1.25 TO 1 AND HAVE A MEDIUM BROOM FINISH (TRANSVERSE, SLIP RESISTANT FOR PEDESTRIAN PATHWAYS) WHICH SHALL BE TO MINIMUM STRENGTH PRIOR TO OPENING FOR VEHICULAR TRAFFIC AREAS. STAGGERED/OFFSET JOINT, INTERIOR CORNERS, ANGLES LESS THAN 60 DEGREES, SLABS LESS THAN 18-INCHES WIDE, AND ODD SHAPES SHALL NOT BE PERMITTED. BLOCKOUTS AROUND ALL PAVEMENT CASTINGS SHALL BE PROVIDED IN ACCORDANCE WITH ACI RECOMMENDATIONS.
- 5. ALL JOINTING (IF) SHOWN HEREIN IS ONLY A GENERAL GUIDELINE OF DESIGN INTENT. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR FINAL LAYOUT OF THE JOINTING WHICH COINCIDES WITH THEIR MEANS AND METHODS TO ENSURE NO UNDESIRED CRACKS FORM THROUGH ANY PLACED CONCRETE. JOINTS SHALL BE APPROPRIATELY PLACED AS SOON AS POSSIBLE TO KEEP UNNECESSARY CRACKS FROM DEVELOPING. CONTRACTOR SHALL SUBMIT SHOP DRAWING OF THEIR PAVEMENT JOINT LAYOUT TO OWNER / CONSTRUCTION MANAGER PRIOR TO PLACEMENT FOR RECORD. THE CONTRACTOR SHALL REPLACE ANY CRACKED CONCRETE, WHICH HAS NOT BEEN PLACED/FINISHED IN ACCORDANCE WITH ACI STANDARDS, TO THE NEXT JOINT PAST THE EFFECTED AREA AT NO ADDITIONAL COST TO THE PROJECT WITHIN ONE YEAR OF PROJECT COMPLETION.
- 6. DESIGN INTENT CONCRETE AND SHALL CONFORM TO THE FOLLOWING MINIMUM AND MAXIMUM

a.	STRENGTH	PER MIX DESIGN, MINIMUM 4000 PSI
b.	PORTLAND CEMENT CONTENT	550 LB / CY (ASTM C150 TYPE I/II)
C.	POZZOLAN MATERIALS	SILICA FUME MAY REPLACE MAX. 7% CEMENT
	(SEE NOTES BELOW)	FLY ASH OR SLAG CEMENT MAY REPLACE
		MAX. 20% CEMENT
d.	MAX W/C RATIO	PER MIX DESIGN, MAXIMUM 0.45
e.	ENTRAINED AIR	6.5% AVG ± 1.5% (7.0% TARGET) ASTM C260
f.	SLUMP	4" MAX WITHOUT WATER REDUCER
g.	SLUMP WITH HRWR OR MID RANGE WR	6" TO 8"
h.	WATER REDUCER	NORMAL TYPE A (ASTM C494)
i.	RETARDER	NORMAL TYPE B OR D AS NEEDED (REQUIRE
		IF CONCRETE TEMPERATURE EXCEEDS 85F)
j.	CONCRETE TEMPERATURE AT PLACEMENT	50F-90F
k.	ACCELERATOR	NON-CHLORIDE TYPE ONLY - CALCIUM
		CHLORIDE IS PROHIBITED
l.	FIBERS TO BE USED	POLYPROPYLENE OR POLYETHYLENE
	FOR SHRINKAGE CRACK CONTROL	MICRO SYNTHETIC FIBERS @ 1.5 LBS / CY
	- (CURBS, WALKS, STEPS, RAMPS)	(FIBERMESH 300 OR APPROVED EQUAL)

7. ALL SYNTHETIC FIBERS SHALL BE TYPE III PER ASTM C1116 AND ASTM D7508. MACRO FIBERS SHALL BE 1.5 TO 2.25 INCHES IN LENGTH.

- FOR USE AS W.W.F. REPLACEMENT

(VEHICULAR TRAFFIC PAVEMENT)

8. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A615. ASTM A1064. ASTM A307. AND ASTM A775. WHEN USED, ALL W.W.F. SLAB REINFORCEMENT SHALL BE SUPPORTED ON CHAIRS AND BE FLAT SHEETS ONLY. ZINC REPAIR MATERIAL SHALL CONFORM TO ASTM A780.

MACRO SYNTHETIC FIBERS @ 4.0 LBS / CY

(TUF-STRAND SF OR APPROVED EQUAL)

- 9. CONCRETE SHALL ARRIVE AT JOB SITE WITH APPROPRIATE W/C RATIO. NO WATER SHALL BE ADDED TO CONCRETE ON SITE WHICH EXCEEDS THE MAXIMUM ALLOWED W/C RATIO AS INDICATED BY THE WRITTEN BATCH PLANT TICKET FROM THE SUPPLIER. SUPERPLASTICIZER AND/OR OTHER ADMIXTURES MAY BE UTILIZED TO ACHIEVE DESIRED WORKABILITY OR TO ACCOUNT FOR ADVERSE PLACEMENT CONDITIONS. ADMIXTURES SHALL BE UTILIZED ONLY IN ACCORDANCE WITH THE MANUFACTURES WRITTEN INSTRUCTIONS AND MEET THE REQUIREMENTS OF ASTM C494 AND/OR ASTM C1017.
- 10. CONTRACTOR SHALL HAVE A MIN. 5 YEARS EXPERIENCE WITH SUCCESSFUL PLACEMENT OF CONCRETE UTILIZING POZZOLAN MATERIALS. MIX DESIGNS WHICH UTILIZED POZZOLAN MATERIALS SHALL BE IN ACCORDANCE WITH LOCAL DOT SPECIFICATIONS AND ACI STANDARDS. FLY ASH SHALL MEET THE REQUIREMENTS OF ASTM C618, CLASS C OR CLASS F, EXCEPT THE LOSS ON IGNITION MUST NOT EXCEED 5%. SLAG CEMENT ACCORDING TO ASTM C989, GRADE 100 MINIMUM. SILICA FUME SHALL BE DRY DENSIFIED MEETING THE REQUIREMENTS OF ASTM C1240. USE OF MATERIALS SHALL BE IN ACCORDANCE WITH ACI 211.1.
- 11. AGGREGATES SHALL BE LOW-SHRINKAGE / WELL GRADED PER ASTM C33 AND THE LOCAL DOT SPECIFICATIONS WHICH ARE RESISTANT TO FREEZE / THAW, SULFATE ATTACK, AND ARE NOT ALKALI-CARBONATE AGGREGATES OR SUSCEPTIBLE TO ALKALI-AGGREGATE REACTIVITY. SLAG AGGREGATES SHALL NOT BE PERMITTED IN ANY CONCRETE MIX.
- 12. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE PER ASTM C1315 TYPE II CLASS A IN ACCORDANCE WITH ACI 308. LIQUID MEMBRANE FORMING CURING COMPOUNDS SHALL BE WHITE PIGMENTED AND TWO COATS APPLIED IN TWO PERPENDICULAR UNIFORM APPLICATIONS PER MANUFACTURES RECOMMENDATIONS WITHIN THE ALLOWABLE TIME PERIODS. APPLICATIONS SHALL BE PHOTOGRAPH DOCUMENTED FOR EVEN AND CONSISTENT COVERAGE SIMILAR TO THE APPEARANCE OF A BLANK WHITE SHEET OF COPY PAPER. NO POOLING OF MATERIAL SHALL BE ACCEPTED.
- 13. CONCRETE SEALER SHALL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S WRITTEN INSTRUCTIONS. A WRITTEN STATEMENT FROM THE MANUFACTURE FOR THE SEALER AND CURING COMPOUND SHALL BE PROVIDED GUARANTEEING COMPATIBILITY
- 14. REFER TO ACI INDUSTRY STANDARDS FOR CONCRETE PLACEMENT AND INSTALLATION. CONTRACTOR SHALL INCLUDE PROVISIONS IN ACCORDANCE WITH ACI 305R AND 306R FOR HOT AND COLD WEATHER PLACEMENT WHEN PROJECT SCHEDULE TIMING FALLS WITHIN THE REQUIRED TEMPERATURE RANGES PER ACI AND THE LOCAL DOT.

GRADING PLAN NOTES

CONSIDERED TO BE A PART OF THIS PLAN SET. 2. BEFORE STARTING GRADING OPERATIONS, SEE STORMWATER POLLUTION PREVENTION PLAN,

A SOILS REPORT HAS BEEN PREPARED BY PSI INTERTEK, DATED 12/17/2021 AND SHALL BE

- NOTES AND DETAILS (SWPP), LANDSCAPE PLANS AND SOILS REPORT FOR TREATMENT OF EXISTING GRADE.
- PRIOR TO SITE CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL INSTALL ALL SWPP MEASURES TO PROTECT EXISTING DRAINAGE FACILITIES. CONTRACTOR SHALL PREVENT SILTATION FROM LEAVING THE SITE AT ALL TIMES.
- STRIP BUILDING AND PAVEMENT AREAS OF ALL ORGANIC TOPSOILS. STOCKPILE SUITABLE TOPSOILS FOR RESPREADING ONTO LANDSCAPE AREAS. ALL EXCESS EXCAVATED MATERIALS SHALL BE REMOVED FROM THE SITE AT THE CONTRACTOR'S EXPENSE. SEE GEOTECHNICAL REPORT FOR STRIPPING AND TOPSOIL REQUIREMENTS.
- 5. OBTAIN APPROVED BORROW SOIL MATERIALS OFF-SITE WHEN SUFFICIENT SATISFACTORY SOIL MATERIALS ARE NOT AVAILABLE ON-SITE.
- 6. SITE GRADING SHALL BE PERFORMED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL SOFT, YIELDING OR UNSUITABLE MATERIALS AND REPLACING WITH SUITABLE MATERIALS AS SPECIFIED IN THE SOILS REPORT UNLESS OTHERWISE SPECIFIED IN THE PLANS, SPECIFICATIONS, OR SOILS REPORT THE SITE GRADING, EXCAVATION, AND EMBANKMENT SHALL BE IN ACCORDANCE WITH THE STATE DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS.
- 7. AT A MINIMUM THE UPPER 12 INCHES OF SUBGRADE SOILS SHALL BE COMPACTED TO 98% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M. TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 2% BELOW OPTIMUM. ALL ENGINEERING FILLED AREAS SHALL BE COMPACTED TO 95% OF MODIFIED PROCTOR MAXIMUM DRY DENSITY PER A.S.T.M. TEST D-1557. MOISTURE CONTENT AT TIME OF PLACEMENT SHALL NOT EXCEED 2% ABOVE NOR 2% BELOW OPTIMUM. THE CONTRACTOR SHALL FOLLOW THE RECOMMENDATIONS OF THE GEOTECHNICAL REPORT AND RETAIN A QUALIFIED SOILS ENGINEER REGISTERED WITHIN THE STATE TO ENSURE COMPLIANCE WITH THE GEOTECHNICAL REPORT, MAKE GEOTECHNICAL RECOMMENDATIONS BASED ON FIELD CONDITIONS, AND ENSURE THAT ALL SHORING AND DEWATERING MEANS AND METHODS WILL NOT COMPROMISE THE STABILITY OF EXISTING OR PROPOSED FOOTINGS/FOUNDATIONS. THE OWNER SHALL RECEIVE ALL COMPACTION REPORTS PREPARED BY THE CONTRACTOR'S GEOTECHNICAL ENGINEER, VERIFYING THAT ALL FILLED AREAS AND SUBGRADE AREAS WITHIN THE BUILDING PAD AREA AND AREAS TO BE PAVED HAVE BEEN COMPACTED IN ACCORDANCE WITH THESE PLANS AND SPECIFICATIONS AND THE RECOMMENDATIONS SET FORTH IN THE SOILS REPORT. NOTIFY PROJECT CONSTRUCTION MANAGER IF ANY UNSUITABLE SOILS ARE
- 8. FOLLOWING GRADING OF SUBSOIL TO SUBGRADE ELEVATIONS THE CONTRACTOR SHALL PLACE TOPSOIL TO A 6" DEPTH (UNLESS OTHERWISE SPECIFIED IN LANDSCAPING DETAILS) IN ALL DISTURBED AREAS WHICH ARE NOT TO BE PAVED. SMOOTHLY FINISH GRADE TO MEET SURROUNDING LAWN AREAS AND ENSURE POSITIVE DRAINAGE. STOCKPILED TOPSOIL SHALL BE SCREENED PRIOR TO RESPREADING. TOPSOIL SHALL BE FREE OF SUBSOIL, DEBRIS, BRUSH AND STONES LARGER THAN 1" IN ANY DIMENSION. ROCK HOUNDING IN PLACE WILL NOT BE PERMITTED. ALL EXCESS TOPSOIL SHALL BE LEGALLY DISPOSED OF OFF SITE.
- ELEVATIONS GIVEN ARE AT BOTTOM FACE OF CURB AND/OR FINISHED PAVEMENT GRADE UNLESS OTHERWISE SPECIFIED ON GRADING PLAN. ALL PAVEMENT SHALL BE LAID ON A STRAIGHT, EVEN, AND UNIFORM GRADE WITH A MINIMUM OF 1% SLOPE TOWARD THE COLLECTION POINTS UNLESS OTHERWISE SPECIFIED ON THE GRADING PLAN. DO NOT ALLOW NEGATIVE GRADES OR PONDING OF WATER.
- 10. SLOPE BUILDING SIDEWALK AWAY FROM THE BUILDING AT A MAXIMUM OF 1.5% (UNLESS OTHERWISE INDICATED ON THE GRADING PLAN).
- 11. WHEN CONSTRUCTING ASPHALTIC CONCRETE PAVEMENTS, CONTRACTOR SHALL PROVIDE BUTT END JOINT TO MEET EXISTING PAVEMENT IN ELEVATION AT DRIVE RETURNS AND ENSURE POSITIVE DRAINAGE.

ENERAL UTILITY NOTES

- 1. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES IMMEDIATELY AFTER BID IS AWARDED AND ENSURE THE UTILITY COMPANIES HAVE THE ESSENTIALS REQUIRED FOR COMPLETE SERVICE INSTALLATION. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER OF ANY TIME FRAMES ESTABLISHED BY UTILITY COMPANIES WHICH WILL NOT MEET OPENING DATE.
- 2. CONTRACTOR SHALL VERIFY THE SIZE, LOCATION, INVERT ELEVATION, AND CONDITION OF EXISTING UTILITIES WHICH ARE INTENDED TO BE UTILIZED AS A CONNECTION POINT FOR ALL PROPOSED UTILITIES PRIOR TO ANY CONSTRUCTION. CONTRACTOR TO ENSURE EXISTING UTILITIES ARE IN GOOD CONDITION AND FREE FLOWING (IF APPLICABLE). IF ELEVATIONS, SIZE. OR LOCATION DIFFER FROM WHAT IS SHOWN ON PLANS. CONTRACTOR SHALL NOTIFY CONSTRUCTION MANAGER IMMEDIATELY.
- 3. WHERE PLANS PROVIDE FOR PROPOSED WORK TO BE CONNECTED TO, OR CROSS OVER AN EXISTING SEWER OR UNDERGROUND UTILITY. THE CONTRACTOR SHALL LOCATE THE EXISTING PIPES OR UTILITIES BOTH AS TO LINE AND GRADE BEFORE STARTING THE PROPOSED WORK. IF IT IS DETERMINED THAT THE ELEVATION OF THE EXISTING CONDUIT, OR EXISTING APPURTENANCE RESULTS IN A CHANGE IN THE PLAN, THE CONSTRUCTION MANAGER SHALL BE NOTIFIED BEFORE STARTING CONSTRUCTION OF ANY PORTION OF THE PROPOSED WORK WHICH WOULD BE AFFECTED BY THE INTERFERENCE WITH AN EXISTING FACILITY. PAYMENT FOR ALL THE OPERATIONS DESCRIBED ABOVE SHALL BE INCLUDED IN THE CONTRACT PRICE FOR THE PERTINENT ITEM.
- 4. UTILITY SERVICE PROVIDERS RULES AND REQUIREMENTS TAKE PRECEDENCE OVER INFORMATION HEREIN. IF DISCREPANCY ARISES, CONTRACTOR SHALL FULLY COORDINATE WITH UTILITY SERVICE PROVIDER PRIOR TO START OF CONSTRUCTION.

SANITARY SEWER NOTES

- 1. SANITARY SEWER LATERAL INVERT AT BUILDING SHALL BE A MINIMUM OF 6' BELOW FINISH
- 2. CLEAN-OUTS TO BE INSTALLED AT ALL PIPE BENDS AND ANGLES, UNLESS A MANHOLE IS
- 3. THE CONTRACTOR SHALL HIRE A LOCAL PLUMBER LICENSED WITH THE LOCAL SANITARY JURISDICTION TO MAKE ALL CONNECTIONS FROM THE BUILDING TO THE EXISTING SEWER. CONTRACTOR SHALL SECURE A SANITARY SEWER CONNECTION PERMIT PRIOR TO ANY CONSTRUCTION. THE CONTRACTORS PRICE FOR SANITARY SEWER INSTALLATION SHALL INCLUDE ALL FEES AND APPURTENANCES REQUIRED BY THE LOCAL SANITARY JURISDICTION TO PROVIDE A COMPLETE WORKING SERVICE. COORDINATE ALL WORK WITH THE CITY OF CLERMONT PUBLIC SERVICES @ 352-241-0178.
- 4. SANITARY SEWER LATERAL PIPE MATERIAL SHALL BE 6" PVC, SDR 26 CONFORMING TO ASTM D 3034, WITH JOINTS PER ASTM 3212 AND ASTM F477 UNLESS OTHERWISE REQUIRED BY THE LOCAL JURISDICTION.

STORM SEWER NOTES

- I. ALL STORM SEWER PIPE 12" OR GREATER IN DIAMETER SHALL BE CORRUGATED HIGH DENSITY POLYETHYLENE (HDPE) SMOOTH INTERIOR PIPE (UNLESS OTHERWISE NOTED ON PLAN). HDPE PIPE SHALL CONFORM TO ASTM D 3350 AND JOINTS PER ASTM F477. STORM SEWER LESS THAN 12" IN DIAMETER SHALL BE PVC, SDR 35, PER ASTM D 3034 AND JOINTS PER ASTM D 3212 (OR APPROVED EQUAL). ALL HDPE PIPES SHALL BE FDOT APPROVED AND SHALL BE MINIMUM OF 18 INCHES.
- 2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL TRENCHING, BACKFILLING AND PIPE INSTALLATION, PIPE MATERIAL AND TAP CONNECTION. COORDINATE ALL WORK WITH ST. JOHN'S RIVER WATER MANAGEMENT DISTRICT @ 407-659-4800.
- 3. ALL DRAINAGE STRUCTURES AT PAVEMENT SUMPS SHALL HAVE FINGER DRAINS PER DETAILS IN

ELECTRICAL NOTES

- 1. SEE ELECTRICAL DRAWINGS FOR SITE LIGHTING AND LUMINAIRE DESCRIPTION.
- 2. SEE ELECTRICAL SHEETS FOR ALL DEDICATED EXTERIOR BUILDING AND SIGN LIGHTING SCHEDULES. ELECTRICAL CONTRACTOR SHALL BALANCE LOADS WHERE REQUIRED.
- 3. WHEN INSTALLING VERTICAL SWEEPS FOR UTILITY CONDUITS, CONTRACTOR SHALL USE SCHEDULE 80 DUCTS OF THE SIZE SHOWN ON THE PLANS.
- 4. CONSTRUCTION AND MATERIALS PROVIDED BY THE ELECTRIC COMPANY:
- a. FURNISH AND INSTALL PAD MOUNTED TRANSFORMER.
- MAKE APPROPRIATE PRIMARY AND SECONDARY CONNECTIONS AT TRANSFORMER.
- c. FURNISH AND INSTALL METER. d. RUN CONDUIT UP POLE.
- e. COORDINATE ALL WORK WITH DUKE ENERGY RANDY BASHORE @ 610-334-1372.
- 5. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR: a. FURNISH AND INSTALL 4" PVC SCHEDULE 40 DUCTS, INCLUDING ALL TRENCHING AND
- BACKFILLING FROM TRANSFORMER TO BUILDING. (QUANTITY AS REQUIRED) b. FURNISH AND INSTALL SECONDARY WIRE FROM THE BUILDING TO THE TRANSFORMER.
- c. FURNISH AND INSTALL METER BASE AND CT CABINET. d. INCLUDE ALL FEES REQUIRED BY ELECTRIC COMPANY TO PROVIDE A COMPLETE WORKING

TELEPHONE NOTES

- CONSTRUCTION AND MATERIALS PROVIDED BY THE TELEPHONE COMPANY:
- a. COORDINATE ALL WORK WITH SPECTRUM JOHN WOLSKI @ John.Wolski@charter.com. b. PROVIDE AND INSTALL WIRING TO EXISTING SERVICE.
- 2. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
- a. FURNISH AND INSTALL ONE 4" PVC SCH. 40 CONDUIT WITH PULLWIRE FROM THE BUILDING TO EXISTING SERVICE.
- b. ALL TRENCHING AND BACKFILLING.
- c. INCLUDE ALL FEES REQUIRED BY TELEPHONE COMPANY TO PROVIDE A COMPLETE WORKING SERVICE.
- CONTRACTOR SHALL COORDINATE THE NUMBER OF LINES REQUIRED WITH THE CONSTRUCTION/ PROJECT MANAGER.

NATURAL GAS NOTES

- CONSTRUCTION AND MATERIALS PROVIDED BY THE GAS COMPANY
- a. TAP MAIN.
- b. FURNISH AND INSTALL SERVICE FROM TAP TO BUILDING.
- c. ALL TRENCHING AND BACKFILLING. d. FURNISH AND INSTALL METER.

COMPLETE WORKING SERVICE.

e. COORDINATE ALL WORK WITH LAKE APOPKA NATURAL GAS DISTRICT @ 407-656-2734 EXT.

b. CONTRACTOR SHALL INCLUDE ALL FEES REQUIRED BY THE GAS COMPANY TO PROVIDE A

- 2. CONSTRUCTION AND MATERIALS PROVIDED BY THE CONTRACTOR:
- a. FURNISH AND INSTALL SERVICE FROM METER TO BUILDING AND THROUGHOUT THE BUILDING.

		DATE	REMARKS
	Λ	02.18.21	SITE PLAN REVIEW 1
			COMMENTS
		05.13.22	NTP
		05.19.22	ISSUED FOR BID
ı			

CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT

520 South Main Street, Suite 2531

330.572.2100 Fax 330.572.2101

Akron, OH 44311

CONTRACT DATE: **BUILDING TYPE:**

01.17.22

END. 2.0

315420

457313

JN

JANUARY 2022

BRAND DESIGNER SITE NUMBER: STORE NUMBER PA/PM:

DRAWN BY

PLAN VERSION:

JOB NO.: 2021088.46

TACO BELL

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0

GENERAL

GENERAL NOTES

- ALL WORK SPECIFIED AS A DEPARTMENT OF TRANSPORTATION ITEM SHALL BE GOVERNED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION CONSTRUCTION AND MATERIAL SPECIFICATIONS AS WELL AS THE CURRENT EDITION OF THE LOCAL JURISDICTION STORM WATER MANAGEMENT MANUAL. IT IS THE CONTRACTOR'S RESPONSIBILITY TO POSSESS AND TO BE FAMILIAR WITH APPLICABLE SECTIONS.
- THESE CONTRACT DRAWINGS SHALL BE MADE AVAILABLE ON SITE AT ALL TIMES AND PRESENTED UPON REQUEST. IF UNFORESEEN STORM WATER POLLUTION IS ENCOUNTERED, ADDITIONAL STORM WATER POLLUTION PREVENTION (SWPP) MEASURES SHALL BE IMPLEMENTED TO MANAGE THE CURRENT SITE CONDITIONS WHICH MAY BE REQUESTED BY THE OWNER, COUNTY ENGINEER, PROJECT ENGINEER OR SOIL AND WATER CONSERVATION SERVICE REPRESENTATIVE AT ANYTIME. SUCH REQUESTS AND CHANGE IN SITE CONDITIONS SHALL BE IMPLEMENTED IMMEDIATELY AT CONTRACTOR'S EXPENSE.
- ALL STORM WATER POLLUTION PREVENTION PRACTICES SHALL BE INSTALLED BEFORE ANY OTHER EARTH MOVING OCCURS.
- I. SEDIMENT BARRIERS SHALL BE INSTALLED DOWNSLOPE OF DISTURBED AREAS. SEDIMENT BARRIERS SHALL BE INSTALLED ALONG LEVEL CONTOURS. MAXIMUM CONTRIBUTING DRAINAGE AREA TO SEDIMENT BARRIERS SHALL BE PER THE CURRENT STATE'S EPA OR THE LOCAL AUTHORITY REQUIREMENTS. COMPOSITE FILTER SOCKS USED IN LIEU OF SILT FENCE SHALL BE A MINIMUM OF 12 INCHES IN DIAMETER.
- i. SILT BARRIERS SHALL BE INSTALLED AROUND ALL EXISTING AND NEW STORM INLETS, CATCH BASINS AND YARD DRAINS. INSTALL ROCK CHECK DAMS FOR HEADWALL INLETS FOR STORM WATER POLLUTION PREVENTION.
- 5. STORM WATER POLLUTION PREVENTION MEASURES SHALL BE INSTALLED AROUND ALL DIRT OR TOPSOIL STOCKPILES AND OTHER TEMPORARILY DISTURBED AREAS AS MAY BE SHOWN ON THESE PLANS AND/OR AS DIRECTED BY THE ENGINEER OR THE LOCAL AUTHORITY HAVING JURISDICTION.
- . SILT BARRIERS, CONSTRUCTION ENTRANCES, AND SILT PERIMETER CONTROLS SHALL REMAIN IN PLACE UNTIL A GOOD STAND OF GRASS HAS BEEN OBTAINED AND/OR PAVING OPERATIONS ARE COMPLETE. CONTRACTOR SHALL KEEP SILT FROM ENTERING ANY STORM DRAINAGE SYSTEM. ONCE SITE HAS BEEN COMPLETELY STABILIZED, ANY SILT IN PIPES AND DRAINAGE SWALES SHALL BE REMOVED WITHIN 10 DAYS.
- B. ALL EXISTING WATER COURSES WITHIN THE PROJECT LIMITS SHALL BE TEMPORARILY PROTECTED DURING LAND CLEARING AND GRADING OPERATIONS. SOILS WITHIN 50 FEET OF SAID WATER COURSES SHALL BE STABILIZED WITHIN 2 DAYS OF THE INITIAL CLEARING / GRADING OPERATION.
-). CONSTRUCTION ENTRANCE SHALL BE UTILIZED. IF CONDITIONS ARE SUCH THAT MUD IS COLLECTING ON VEHICLE TIRES, THE TIRES MUST BE CLEANED BEFORE THE VEHICLES ENTER THE PUBLIC ROADWAY. THE SITE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT THE TRACKING OR FLOW OF MUD ONTO THE PUBLIC RIGHT-OF-WAY. ALL MATERIALS SPILLED, DROPPED, WASHED OR TRACKED FROM VEHICLES ONTO THE ROADWAY MUST BE REMOVED PROMPTLY.
- 10. IF FOR ANY REASON, THE PROJECT IS SUSPENDED, THE CONTRACTOR SHALL ENSURE THAT ALL INSTALLED EROSION MEASURES ARE FUNCTIONING AND PROPERLY MAINTAINED DURING THIS PERIOD, AND THAT ALL BARE SOILS ARE SEEDED AND MULCHED WITH TEMPORARY SEED
- 1. CONCRETE WASHOUT FACILITY (IF APPLICABLE) SHALL BE CONSTRUCTED IN ACCORDANCE WITH PLAN DETAILS AND LOCAL GOVERNING AUTHORITY REGULATIONS AND INSTRUCTIONS.
- 12. IMPLEMENTATION OF EROSION AND SEDIMENT CONTROLS SHALL CONFORM TO STATE OF FLORIDA CONSTRUCTION GENERIC PERMIT AND THE CITY OF CLERMONT CODIFIED ORDINANCES. IF A CONFLICT EXISTS BETWEEN THE TWO REGARDING EROSION AND SEDIMENT CONTROL IMPLEMENTATION, THE MORE RESTRICTIVE SHALL APPLY.
- 13. DISTURBED AREAS WITHIN 50' OF A STREAM SHALL HAVE PERMANENT STABILIZATION APPLIED WITHIN 2 DAYS OF FINAL GRADE.
- 14. DISTURBED AREAS WHICH WILL REMAIN DORMANT FOR OVER 1 YEAR OR ARE AT FINAL GRADE SHALL HAVE PERMANENT STABILIZATION APPLIED WITHIN 7 DAYS OF LAST EARTHWORK DISTURBANCE.

INSPECTION NOTES

- CONTRACTOR SHALL INSPECT ALL SWPP MEASURES DAILY AND LOGGED BY THE CONTRACTOR FOR INSPECTION. LOGGING SHALL BE WEEKLY AND AFTER EVERY 1/2" RAINFALL EVENT. REPAIR AS NECESSARY TO PREVENT EROSION. SILTATION SHALL BE REMOVED FROM AREAS WHERE FAILURES HAVE OCCURRED AND CORRECTIVE ACTION TAKEN WITHIN 24 HOURS TO MAINTAIN ALL SWPP.
- . CONTRACTORS INSPECTOR SHALL BE A QUALIFIED INDIVIDUAL. ONLY A QUALIFIED INSPECTION PERSONNEL IS TO PERFORM THE INSPECTIONS. SITE INSPECTIONS SHALL BE DONE WEEKLY AND WITHIN 24 HRS AFTER EVERY RAINFALL EVENT EXCEEDING 1/2" OF RAINFALL. ALL NECESSARY REPAIRS SHOULD BE IMPLEMENTED IMMEDIATELY AFTER SUCH INSPECTIONS.
- . CONTRACTOR'S INSPECTOR SHALL BE RESPONSIBLE FOR PREPARING AND SIGNING WEEKLY AND ALL INTERMEDIATE EROSION CONTROL INSPECTION REPORTS AFTER EVERY INSPECTION, WHICH INCLUDE BUT NOT LIMITED TO (DISTURBED AREAS. MATERIAL STORAGE AREAS. EROSION AND SEDIMENT CONTROLS; DISCHARGE LOCATIONS AND VEHICLE ENTRANCE/EXIT LOCATIONS). SUCH REPORTS SHALL BE MADE AVAILABLE TO OWNER, ENGINEER AND CITY / STATE OFFICIALS UPON THEIR REQUEST.
- REPORTS SHALL BE KEPT FOR 3 YEARS AFTER TERMINATION OF THE CONSTRUCTION ACTIVITIES.
- CONTRACTOR MAY SUBMIT A WAIVER REQUEST TO THE LOCAL AND STATE GOVERNING AUTHORITIES FOR A REDUCTION TO MONTHLY INSPECTIONS IF THE SITE WILL BE STABILIZED AND DORMANT FOR A LONG PERIOD, AND/OR THE RUNOFF IS UNLIKELY DUE TO WEATHER CONDITIONS FOR AN EXTENDED PERIOD OF TIME (FROZEN GROUND).
- i. FOR BMPS THAT REQUIRE REPAIR OR MAINTENANCE NON SEDIMENT POND BMPS ARE TO BE REPAIRED WITHIN 3 DAYS OF INSPECTION AND SEDIMENT PONDS ARE TO BE REPAIRED OR CLEANED OUT WITHIN 10 DAYS OF INSPECTION.
- FOR BMPS THAT DO NOT MEET THE INTENDED FUNCTION, A NEW BMP SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.
- B. FOR MISSING BMPS REQUIRED, THE MISSING BMPS SHALL BE INSTALLED WITHIN 10 DAYS OF THE INSPECTION.

SPILLS AND CONTAMINATION

- 1. CONSTRUCTION PERSONNEL, INCLUDING SUBCONTRACTORS WHO MAY USE OR HANDLE HAZARDOUS OR TOXIC MATERIALS, SHALL BE MADE AWARE OF THE FOLLOWING GENERAL GUIDELINES REGARDING DISPOSAL AND HANDLING OF HAZARDOUS AND CONSTRUCTION WASTES:
- a. PREVENT SPILLS
- USE PRODUCTS UP FOLLOW LABEL DIRECTIONS FOR DISPOSAL
- REMOVE LIDS FROM EMPTY BOTTLES AND CANS WHEN DISPOSING IN TRASH RECYCLE WASTES WHENEVER POSSIBLE
- DON'T POUR INTO WATERWAYS, STORM DRAINS OR ONTO THE GROUND
- DON'T POUR DOWN THE SINK, DOOR DRAIN OR SEPTIC TANKS
- DON'T BURY CHEMICALS OR CONTAINERS DON'T BURN CHEMICALS OR CONTAINERS
- DON'T MIX CHEMICALS TOGETHER
- 2. ANY DISCHARGE OF PETROLEUM OR PETROLEUM PRODUCTS OF LESS THAN 25 GALLONS ONTO A PERVIOUS SURFACE SHALL BE LEGALLY REMOVED AND PROPERLY TREATED OR PROPERLY DISPOSED OF, OR OTHERWISE REMEDIATED, SO THAT NO CONTAMINATION FROM THE DISCHARGE REMAINS ON-SITE. SPILLS OF 25 GALLONS OR MORE OF PETROLEUM PRODUCTS SHALL BE REPORTED TO THE FLORIDA EPA, THE LOCAL FIRE DEPARTMENT, AND THE LOCAL EMERGENCY PLANNING COMMITTEE WITHIN 30 MINUTES OF THE DISCOVERY OF THE RELEASE. ALL SPILLS WHICH CONTACT WATERS OF THE STATE MUST BE REPORTED TO THE FLORIDA EPA.
- 3. SPILL REPORTING REQUIREMENTS: SPILLS ON PAVEMENT SHALL BE ABSORBED WITH SAWDUST OR KITTY LITTER AND DISPOSED OF WITH THE TRASH AT A LICENSED SANITARY LAND FILL. HAZARDOUS OR INDUSTRIAL WASTES SUCH AS MOST SOLVENTS, GASOLINE, OIL-BASED PAINTS, AND CEMENT CURING COMPOUNDS REQUIRE SPECIAL HANDLING. SPILLS SHALL BE REPORTED TO THE FLORIDA EPA.
- 4. CONTAINERS SHALL BE PROVIDED FOR THE PROPER COLLECTION OF ALL WASTE MATERIAL INCLUDING CONSTRUCTION DEBRIS, TRASH, PETROLEUM PRODUCTS AND ANY HAZARDOUS MATERIALS USED ON-SITE. CONTAINERS SHALL BE COVERED AND NOT LEAKING. ALL WASTE MATERIAL SHALL BE DISPOSED OF AT FACILITIES APPROVED FOR THAT MATERIAL. CONSTRUCTION DEMOLITION AND DEBRIS (CD&D) WASTE MUST BE DISPOSED OF AT THE FLORIDA EPA APPROVED CD&D LAND FILL.
- 5. PROCESS WASTE WATER/LEACHATE MANAGEMENT: EPA'S CONSTRUCTION GENERAL PERMIT ONLY ALLOWS THE DISCHARGE OF STORM WATER AND DOES NOT INCLUDE OTHER WASTE STREAMS/DISCHARGES SUCH AS VEHICLE AND/OR EQUIPMENT WASHING, ON-SITE SEPTIC LEACHATE CONCRETE WASH OUTS, WHICH ARE CONSIDERED PROCESS WASTEWATERS. ALL PROCESS WASTEWATERS MUST BE COLLECTED AND PROPERLY DISPOSED AT AN APPROVED DISPOSAL FACILITY. IN THE EVENT, LEACHATE OR SEPTAGE IS DISCHARGED; IT MUST BE ISOLATED FOR COLLECTION AND PROPER DISPOSAL AND CORRECTIVE ACTIONS TAKEN TO ELIMINATE THE SOURCE OF WASTE WATER.
- 6. WASTES GENERATED BY CONSTRUCTION ACTIVITIES (I.E. CONSTRUCTION MATERIALS SUCH AS PAINTS, SOLVENTS, FUELS, CONCRETE, WOOD, ETC) MUST BE DISPOSED OF IN ACCORDANCE WITH LOCAL REGULATIONS. HAZARDOUS AND TOXIC SUBSTANCES ARE USED ON VIRTUALLY ALL CONSTRUCTION SITES. GOOD MANAGEMENT OF THESE SUBSTANCES IS ALWAYS NEEDED.
- 7. NO CONSTRUCTION RELATED WASTE MATERIALS ARE TO BE BURIED OR BURNED ON-SITE.
- 8. HANDLING CONSTRUCTION CHEMICALS: MIXING, PUMPING, TRANSFERRING OR OTHER HANDLING OF CONSTRUCTION CHEMICALS SUCH AS FERTILIZER, LIME, ASPHALT, CONCRETE DRYING COMPOUNDS, AND ALL OTHER POTENTIALLY HAZARDOUS MATERIALS SHALL BE PERFORMED IN AN AREA AWAY FROM ANY WATERCOURSE, DITCH OR STORM DRAIN.
- EQUIPMENT FUELING AND MAINTENANCE, OIL CHANGING, ETC., SHALL BE PERFORMED AWAY FROM WATERCOURSES, DITCHES OR STORM DRAINS, IN AN AREA DESIGNATED FOR THAT PURPOSE. THE DESIGNATED AREA SHALL BE EQUIPPED FOR RECYCLING OIL AND CATCHING SPILLS. SECONDARY CONTAINMENT SHALL BE PROVIDED FOR ALL FUEL OIL STORAGE TANKS. THESE AREAS MUST BE INSPECTED EVERY SEVEN DAYS AND WITHIN 24 HRS. OF A 0.5 INCH OR GREATER RAIN EVENT TO ENSURE THERE ARE NO EXPOSED MATERIALS WHICH WOULD CONTAMINATE STORM WATER. SITE OPERATORS MUST BE AWARE THAT SPILL PREVENTION CONTROL AND COUNTERMEASURES (SPCC) REQUIREMENTS MAY APPLY. AN SPCC PLAN IS REQUIRED FOR SITES WITH ONE SINGLE ABOVE GROUND TANK OF 660 GALLONS OR MORE, ACCUMULATIVE ABOVE GROUND STORAGE OF 1330 GALLONS OR MORE, OR 42,000 GALLONS OF UNDERGROUND STORAGE. CONTAMINATED SOILS MUST BE PROPERLY DISPOSED OF IN ACCORDANCE WITH LOCAL GOVERNING AUTHORITY REGULATIONS. SPCC PLAN AND APPROVALS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
- 10. CONTAMINATED SOILS: IF SUBSTANCES SUCH AS OIL, DIESEL FUEL, HYDRAULIC FLUID, ANTIFREEZE, ETC. ARE SPILLED, LEAKED, OR RELEASED ONTO THE SOIL, THE SOIL SHOULD BE DUG UP AND DISPOSED OF AT LICENSED SANITARY LAND FILL OR OTHER APPROVED PETROLEUM CONTAMINATED SOIL REMEDIATION FACILITY (NOT A CONSTRUCTION / DEMOLITION DEBRIS LAND FILL). NOTE THOSE STORM WATER RUNOFFS ASSOCIATED WITH CONTAMINATED SOILS ARE NOT BE AUTHORIZED UNDER CURRENT REGULATIONS OF CONSTRUCTION ACTIVITIES.
- 11. CONTRACTOR SHALL TAKE PREVENTIVE MEASURES FOR WATER DISCHARGES FROM CONTAMINATED SOILS BY ANY MEANS POSSIBLE, INCLUDING THE FOLLOWING: 11.1. THE USE OF BERMS, TRENCHES, AND PITS TO COLLECT CONTAMINATED RUNOFF AND
- PREVENT DISCHARGES. 11.2. PUMPING RUNOFF INTO A SANITARY SEWER (WITH PRIOR WRITTEN APPROVAL OF THE SANITARY SEWER SERVICE OPERATOR) OR INTO A CONTAINER FOR TRANSPORT TO AN APPROPRIATE TREATMENT/DISPOSAL FACILITY.
- 11.3. COVERING AREAS OF CONTAMINATION WITH TARPS OR OTHER METHODS THAT PREVENT STORMWATER FROM COMING INTO CONTACT WITH CONTAMINATED MATERIALS.

TEMPORARY SEEDING

- . STRUCTURAL EROSION AND SEDIMENT CONTROL PRACTICES SUCH AS DIVERSIONS AND SEDIMENT TRAPS SHALL BE INSTALLED AND STABILIZED WITH TEMPORARY SEEDING PRIOR TO GRADING THE REST OF THE CONSTRUCTION SITE.
- 2. TEMPORARY SEEDING / STABILIZATION SHALL BE APPLIED WITHIN THE FOLLOWING TIME FRAMES FOR VARIOUS AREAS OF THE SITE:
- 2.1. ANY DISTURBED AREA WITHIN 50 FEET OF A WATERCOURSE AND NOT AT FINAL GRADE SHALL BE SEEDED AND MULCHED WITHIN 2 DAYS OF THE MOST RECENT DISTURBANCE, IF THAT AREA WILL REMAIN IDLE FOR MORE THAN 14 DAYS.
- 2.2. ALL CONSTRUCTION ACTIVITIES IN ANY DISTURBED AREA, INCLUDING SOIL STOCKPILES THAT WILL BE IDLE FOR MORE THAN 14 DAYS BUT LESS THAN ONE YEAR, AND NOT WITHIN 50 FEET OF A WATERCOURSE SHALL BE SEEDED AND MULCHED WITHIN 7 DAYS OF THE MOST RECENT DISTURBANCE IN THE AREA.
- 2.3. DISTURBED AREAS THAT WILL BE IDLE OVER THE WINTER SHALL BE SEEDED AND MULCHED PRIOR TO NOVEMBER 1.
- 3. THE SEED BED SHOULD BE PULVERIZED AND LOOSE TO ENSURE THE SUCCESS OF ESTABLISHING VEGETATION. TEMPORARY SEEDING SHOULD NOT BE POSTPONED IF IDEAL SEED BED PREPARATION IS NOT POSSIBLE.
- 4. TEMPORARY VEGETATION SEEDING RATES SHALL ESTABLISH ADEQUATE STANDS OF VEGETATION, WHICH MAY REQUIRE USE OF SOIL AMENDMENTS. BASE RATES FOR LIME AND FERTILIZER SHALL BE USED.
- 5. ALL SEED MIXES AND SEEDING RATES USED SHALL BE APPROVED BY THE LOCAL GOVERNING AUTHORITY AND THE OWNER.
- . SEED SHALL BE APPLIED UNIFORMLY WITH A CYCLONE SPREADER, DRILL, CULTIPACKER, SEEDER, OR HYDROSEEDER. WHEN FEASIBLE, SEED THAT HAS BEEN BROADCAST SHALL BE COVERED BY RAKING OR DRAGGING AND THEN LIGHTLY TAMPED INTO PLACE USING A ROLLER OR CULTIPACKER. IF HYDROSEEDING IS USED. THE SEED AND FERTILIZER WILL BE MIXED ON-SITE AND THE SEEDING SHALL BE DONE IMMEDIATELY AND WITHOUT INTERRUPTION.
- 7. APPLICATIONS OF TEMPORARY SEEDING SHALL INCLUDE MULCH, WHICH SHALL BE APPLIED DURING OR IMMEDIATELY AFTER SEEDING. SEEDINGS MADE DURING OPTIMUM SEEDING DATES ON FAVORABLE, VERY FLAT SOIL CONDITIONS MAY NOT NEED MULCH TO ACHIEVE ADEQUATE STABILIZATION, IF MULCH IS USED, FOLLOW THE REQUIREMENTS AND INSTRUCTIONS IN THE MULCH APPLICATION.

1. MULCH AND OTHER APPROPRIATE VEGETATIVE PRACTICES SHALL BE APPLIED TO DISTURBED AREAS WITHIN 7 DAYS OF GRADING IF THE AREA IS TO REMAIN DORMANT (UNDISTURBED) FOR MORE THAN 21 DAYS OR ON AREAS AND PORTIONS OF THE SITE WHICH CAN BE BROUGHT TO FINAL GRADE.

2. MULCH SHALL CONSIST OF ONE OF THE FOLLOWING:

- 2.1. STRAW SHALL BE UNROTTED SMALL GRAIN STRAW APPLIED AT THE RATE OF 2 TONS/AC. OR 90 LB./1,000 SQ. FT. (TWO TO THREE BALES) THE STRAW MULCH SHALL BE SPREAD UNIFORMLY BY HAND OR MECHANICALLY SO THE SOIL SURFACE IS COVERED. FOR UNIFORM DISTRIBUTION OF HAND-SPREAD MULCH, DIVIDE AREA INTO APPROXIMATELY 1,000 SQ. FT. SECTIONS AND PLACE TWO 45-LB BALES OF STRAW IN EACH SECTION.
- 2.2. WOOD CELLULOSE FIBER SHOULD BE USED AT 2,000 LB.AC, OR 46 LB/1,000 SQ. FT. ACCEPTABLE MULCHES INCLUDE MULCH MATTINGS AND ROLLED EROSION CONTROL PRODUCTS APPLIED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS OR WOOD MULCH/CHIPS APPLIED AT 10-20 TONS/AC.
- 3. MULCH SHALL BE ANCHORED IMMEDIATELY TO MINIMIZE LOSS BY WIND OR RUNOFF. THE FOLLOWING ARE ACCEPTABLE METHODS FOR ANCHORING MULCH.
- 3.1. USE A DISK, CRIMPER, OR SIMILAR TYPE TOOL SET STRAIGHT TO PUNCH OR ANCHOR THE MULCH MATERIAL INTO THE SOIL. STRAW MECHANICALLY ANCHORED SHALL NOT BE FINELY CHOPPED BUT BE LEFT GENERALLY LONGER THAN 6 INCHES.
- 3.2. USE MULCH NETTINGS ACCORDING TO THE MANUFACTURER'S RECOMMENDATIONS, FOLLOWING ALL PLACEMENT AND ANCHORING REQUIREMENTS. USE IN AREAS OF WATER CONCENTRATION AND STEEP SLOPES TO HOLD MULCH IN PLACE.
- 3.3. FOR STRAW MULCH, SYNTHETIC BINDERS SUCH AS ACRYLIC DLR (AGRI-TAC), DCA-70, PETROSET, TERRA TACK OR EQUAL MAY BE USED AT RATES RECOMMENDED BY THE MANUFACTURER. ALL APPLICATIONS OF SYNTHETIC BINDERS MUST BE CONDUCTED IN SUCH A MANNER WHERE THERE IS NO CONTACT WITH WATERS OF THE STATE.
- WOOD CELLULOSE FIBER MAY BE USED FOR ANCHORING STRAW. THE FIBER BINDER SHALL BE APPLIED AT A NET DRY WEIGHT OF 750 LB/AC. THE WOOD CELLULOSE FIBER SHALL BE MIXED WITH WATER AND THE MIXTURE SHALL CONTAIN A MAXIMUM OF 50 LB/100 GAL. OF WOOD CELLULOSE FIBER.

DUST CONTROL NOTES

- 1. DUST CONTROL SHALL BE MAINTAINED THROUGHOUT CONSTRUCTION. IF POSSIBLE GRADING SHALL BE DONE BY PHASING IN ORDER TO MINIMIZE THE AMOUNT OF LAND DISTURBANCE AT ONE TIME. IF PHASING IS NOT AN OPTION, DUST SHALL BE CONTROLLED WITH WATER DURING EARTHWORK OPERATIONS. AFTER EARTHWORK OPERATIONS, THE EXPOSED SOILS SHALL BE COVERED WITH STRAW OR MULCH UNTIL SEEDED.
- 2. DUST CONTROL OR DUST SUPPRESSANTS MAY BE USED TO PREVENT NUISANCE CONDITIONS WHEN APPROVED BY THE LOCAL AUTHORITY HAVING JURISDICTION. WHEN USED. SUPPRESSANTS SHALL BE APPLIED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS AND IN A MANNER, WHICH PREVENTS A DISCHARGE TO WATERS OF THE STATE. SUFFICIENT DISTANCE MUST BE PROVIDED BETWEEN APPLICATIONS AND NEARBY BRIDGES, CATCH BASINS, AND OTHER WATERWAYS. APPLICATION (EXCLUDING WATER) MAY NOT OCCUR WHEN RAIN IS IMMINENT AS NOTED IN THE SHORT TERM FORECAST. OIL MAY NOT BE APPLIED FOR DUST CONTROL.
- SUGGESTED METHODS OF CONSTRUCTION DUST CONTROL MAY INCLUDE THE FOLLOWING: 3.1. CONSTRUCTION SEQUENCING AND DISTURBING ONLY SMALL AREAS AT A TIME CAN GREATLY REDUCE PROBLEMATIC DUST FROM THE SITE. IF LAND MUST BE DISTURBED,
- ADDITIONAL TEMPORARY STABILIZATION MEASURES SHOULD BE CONSIDERED PRIOR TO 3.2. APPLY TEMPORARY OR PERMANENT SEEDING AND MULCH TO AREAS THAT WILL REMAIN IDLE FOR OVER 14 DAYS. SAVING EXISTING TREES AND LARGE SHRUBS WILL ALSO
- REDUSE SOIL AND AIR MOVEMENT ACROSS DISTURBED AREAS. 3.3. SPRAY DISTURBED SITE WITH WATER UNTIL THE SURFACE IS WET BEFORE AND DURING GRADING AND REPEAT AS NEEDED, ESPECIALLY ON HAUL ROADS AND OTHER HEAVY TRAFFIC ROUTES. WATERING SHALL BE DONE AT A RATE THAT PREVENTS DUST BUT DOES NOT CAUSE SOIL EROSION. WETTING AGENTS MAY BE UTILIZED ACCORDING TO MANUFACTURERS INSTRUCTIONS.
- 3.4. GRADED ROADWAYS AND OTHER SUITABLE AREAS MAY BE STABALIZED USING CRUSHED STONE OR COARSE GRAVEL AS SOON AS PRACTICABLE AFTER REACHING AN INTERIM OR FINAL GRADE. CRUSHED STONE OR COARSE GRAVEL CAN BE USED AS A PERMANENT COVER TO PROVIDE CONTROL OF SOIL EMISSIONS.
- 3.5. EXISTING WINDBREAK VEGETATION SHALL BE MARKED AND PRESERVED TO THE EXTENT POSSIBLE. SNOW FENCING OR OTHER SUITABLE BARRIER MAY BE PLACED PERPENDICULAR TO PREVAILING AIR CURRENTS AT INTERVALS OF ABOUT 15 TIMES THE
- BARRIER HEIGHTS TO CONTROL AIR CURRENTS AND BLOWING SOIL. 3.6. WHEN TEMPORARY DUST CONTROL MEASURES ARE USED; REPETITIVE TREATMENT
- SHOULD BE APPLIED AS NEED TO ACCOMPLISH SATISFACTORY CONTROL. 3.7. PAVED AREAS THAT HAVE ACCUMULATED SEDIMENT FROM CONSTRUCTION SHOULD BE CLEANED DAILY, OR AS NEEDED, UTILIZING A STREET SWEEPER OR BUCKET-TYPE ENDLOADER OR SCRAPER.

DEWATERING

DEWATERING REFERS TO THE ACT OF REMOVING AND DISCHARGING WATER FROM EXCAVATED AREAS ON CONSTRUCTION SITES, UTILITY LINE CONSTRUCTION OR FROM SEDIMENT TRAPS OR BASINS ON CONSTRUCTION SITES. GIVEN THE UNIQUE CONDITIONS AT ANY PARTICULAR CONSTRUCTION SITE, ANY OR ALL OF THE PRACTICES MAY APPLY. IN ALL CASES, EVERY EFFORT SHALL BE MADE TO ELIMINATE SEDIMENT POLLUTION ASSOCIATED WITH DEWATERING

PRACTICES FOR DEWATERING EXCAVATED AREAS

- PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP IN WHICH THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE CONTAINED WITHOUT DISCHARGE TO RECEIVING WATERS.
- 2. PUMPING OF WATER TO AN EXISTING SEDIMENT BASIN OR TRAP SUCH THAT THE ENTIRE VOLUME OF WATER FROM THE AREA TO BE DEWATERED CAN BE MANAGED WITHOUT
- EXCEEDING THE DESIGN OUTFLOW FROM THE SEDIMENT CONTROL STRUCTURE. 3. USE OF A STRAW BALE/SILT FENCE PIT OR TRAP AS DESCRIBED HEREIN AND APPROVED BY THE LOCAL GOVERNING AUTHORITY.
- 4. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE. 5. A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE.
- 6. USE A SUMP PIT TO REDUCE THE PUMPING OF MUD.

DEWATERING OF SEDIMENT TRAPS AND BASINS. IN ALL CASES, WATER REMOVED FROM TRAPS AND BASINS SHALL BE DISCHARGED SO THAT IT PASSES THROUGH A SEDIMENT CONTROL DEVICE APPROVED BY THE LOCAL GOVERNING AUTHORITY PRIOR TO ENTERING RECEIVING WATERS. PRACTICES FOR DEWATERING OF TRAPS AND BASINS MAY INCLUDE SOME OR ALL OF THE FOLLOWING AS MAY BE APPROVED AND APPLICABLE. IN ALL CASES, THE DEWAERING OPERATIONS UTILIZED MUST BE CONTINUOUSLY MONITORED BY THE CONTRACTOR.

USE OF A STRAW BALE/SILT FENCE PIT OR TRAP.

- 1.1. AN EXCAVATED BASIN (APPLICABLE TO "STRAW BALE/SILT FENCE PIT") MAY BE LINED WITH FILTER FABRIC TO HELP REDUCE SCOUR AND TO PREVENT EROSION OF SOIL FROM WITHIN THE STRUCTURE. IT MAY ALSO BE HELPFUL TO DIRECT THE DISCHARGE ONTO A HAY OR STRAW BALE OR RIPRAP.
- 1.2. MEASURES SHALL CONSIST OF STRAW BALES, SILT FENCE AND A STONE OUTLET CONSISTING OF A COMBINATION OF 4-8 INCH RIPRAP AND ½ TO 2 INCH AGGREGATE AND
- A WET STORAGE PIT ORIENTED AS SHOWN IN DRAWING. 1.3. THE EXCAVATED AREA SHOULD BE A MINIMUM OF 3 FEET BELOW THE BASE OF THE PERIMETER MEASURES (STRAW BALES OR SILT FENCE).
- 1.4. ONCE THE WATER LEVEL NEARS THE CREST OF THE STONE WEIR (EMERGENCY OVERFLOW), THE PUMP MUST BE STOPPED WHILE THE STRUCTURE DRAINS DOWN TO THE ELEVATION OF THE WET STORAGE.
- 1.5. THE WET STORAGE PIT MAY BE DEWATERED ONLY AFTER A MINIMUM OF 6 HOURS OF SEDIMENT SETTLING TIME. THIS EFFLUENT SHOULD BE PUMPED ACROSS A WELL-VEGETATED AREA OR THROUGH A SILT FENCE PRIOR TO ENTERING A WATERCOURSE.
- 1.6. ONCE THE DEVICE HAS BEEN REMOVED, GROUND CONTOURS SHALL BE RETURNED TO ORIGINAL CONDITION.
- 2. PUMPING WATER THROUGH A GEOTEXTILE BAG MADE SPECIFICALLY FOR THIS PURPOSE.
- 2.1. THE BAG SHALL BE INSTALLED ON A VERY SLIGHT SLOPE SO INCOMING WATER FLOWS DOWNHILL THROUGH THE BAG WITHOUT CREATING MORE EROSION.
- 2.2. THE INLET OPENING OF THE DEWATERING DEVICE SHALL HAVE A FILL SPOUT LARGE
- ENOUGH TO ACCOMMODATE THE DISCHARGE HOSE AND SHALL USE TWO STAINLESS STEEL STRAPS TO SECURE THE HOSE AND PREVENT PUMPED WATER FROM ESCAPING WITHOUT BEING FILTERED.
- 2.3. THE BAG SHOULD BE PLACED ON AN AGGREGATE OR HAY BALE BED TO MAXIMIZE WATER FLOW THROUGH THE ENTIRE SURFACE AREA OF THE BAG.
- 2.4. THE FILTER BAG IS FULL WHEN IT NO LONGER CAN EFFICIENTLY FILTER SEDIMENT OR PASS WATER AT A REASONABLE RATE.
- 2.5. FLOW RATES VARY DEPENDING ON THE SIZE OF THE DEWATERING DEVICE, AMOUNT OF SEDIMENT DISCHARGED INTO THE DEWATERING DEVICE, THE TYPE OF GROUND, ROCK, OR OTHER SUBSTANCE UNDER THE BAG AND THE DEGREE OF THE SLOPE ON WHICH THE BAG LIES. THE FILTER BAG SHOULD BE SIZED TO ACCOMMODATE THE ANTICIPATED FLOW RATES FROM THE TYPE OF PUMP USED. IN ALL CASES FOLLOW THE MANUFACTURERS RECOMMENDATIONS FOR PUMPING FLOW RATES.
- 2.6. THE FILTER BAG CAN BE LEFT IN PLACE AFTER CUTTING THE TOP OFF AND SEEDING AND MULCHING THE ACCUMULATED SEDIMENT OR REMOVED AND DISPOSED OF OFFSITE IN AN APPROVED LANDFILL.
- A WELL-VEGETATIVE FILTER STRIP, CAPABLE OF WITHSTANDING THE VELOCITY OF DISCHARGED WATER WITHOUT ERODING, INCLUDING THE INSTALLATION OF ENERGY DISSIPATION (HAYBALES, RIPRAP OR SHEET OF PLYWOOD) AT THE PUMP DISCHARGE. SUCH OTHER METHODS AS MAY BE APPROVED BY THE LOCAL GOVERNING AUTHORITY.
- 4. REGARDLESS OF THE TYPE OF TREATMENT, ALWAYS USE A FLOATING SUCTION HOSE TO PUMP THE CLEANER WATER FROM THE TOP OF THE POND. AS THE CLEANER WATER IS PUMPED. THE SUCTION HOSE WILL LOWER AND EVENTUALLY ENCOUNTER SEDIMENT-LADEN WATER. AT THIS POINT CEASE PUMPING OPERATIONS AND REMOVE THE REMAINDER OF THE TRAPPED SEDIMENT WITH MACHINERY. EVEN WHEN PUMPING FROM THE TOP OF THE WATER COLUMN, PROVISIONS MUST STILL BE MADE TO FILTER WATER AS REQUIRED IN THIS SECTION PRIOR TO DISCHARGING TO A STREAM. DURING THE DEWATERING, PERSONNEL SHOULD BE ASSIGNED TO MONITOR PUMPING OPERATIONS AT ALL TIMES TO ENSURE THAT SEDIMENT POLLUTION IS ABATED. PUMPING SEDIMENT-LADEN WATER INTO THE WATERS OF THE STATE WITHOUT FILTRATION IS PROHIBITED.
- 5. THE DEWATERING DEVICE MUST BE SIZED (AND OPERATED) TO ALLOW PUMPED WATER TO FLOW THROUGH THE FILTERING APPARATUS WITHOUT EXCEEDING THE CAPACITY OF THE STRUCTURE.



CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT

520 South Main Street, Suite 2531 330.572.2100 Fax 330.572.2101

DATE	REMARKS
05.13.22	NTP
05.19.22	ISSUED FOR BID

01.17.22

END. 2.0

315420

457313

2021088.46

JN

CONTRACT DATE: **BUILDING TYPE:** PLAN VERSION: JANUARY 2022

SITE NUMBER: STORE NUMBER

PA/PM:

BRAND DESIGNER

DRAWN BY JOB NO.:

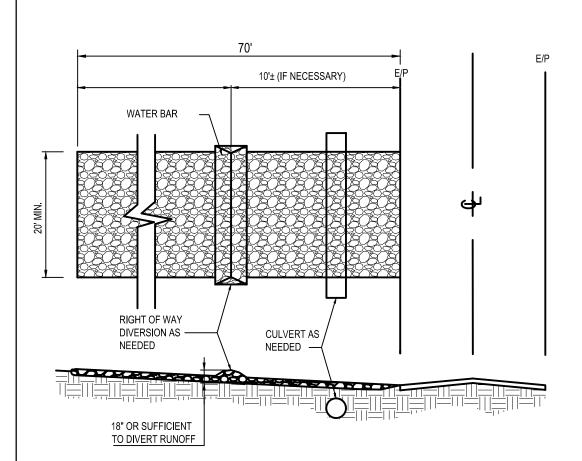
HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711

TACO BELL



ENDEAVOR 2.0

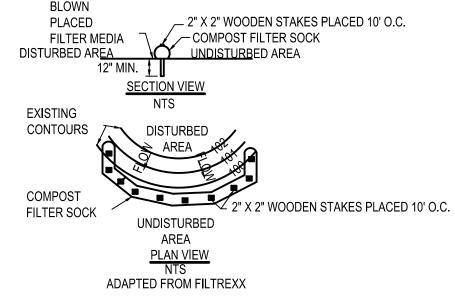
- 1. STONE SIZE NO. 2 STONE SHALL BE USED, OR RECYCLED CONCRETE EQUIVALENT.
- 2. THE CONSTRUCTION ENTRANCE SHALL COINCIDE WITH THE PROPOSED DRIVE AS SHOWN ON THE PLAN.
- 3. PAVEMENT THICKNESS STONE LAYER SHALL BE 6" THICK FOR STANDARD DUTY ACTIVITY AND 10" THICK FOR HEAVY DUTY ACTIVITY.
- 4. DRIVEWAY WIDTH THE ENTRANCE SHALL BE AT LEAST 20' WIDE. CONTRACTOR SHALL ENSURE ALL VEHICLES UTILIZE THE CONSTRUCTION ENTRANCE UNTIL PAVEMENT IS IN
- BEDDING-A GEOTEXTILE SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING STONE. IT SHALL BE COMPOSED OF STRONG ROT-PROOF POLYMERIC FIBERS AND MEET THE SPECIFICATIONS SHOWN BELOW.
- 6. CULVERT-A PIPE OR CULVERT SHALL BE CONSTRUCTED UNDER THE ENTRANCE IF NEEDED TO PREVENT SURFACE WATER FLOWING ACROSS THE ENTRANCE OR TO PREVENT RUNOFF FROM BEING DIRECTED OUT ONTO PAVED SURFACES.
- 7. WATER BAR A WATER BAR SHALL BE CONSTRUCTED AS PART OF THE CONSTRUCTION ENTRANCE IF NEEDED TO PREVENT SURFACE RUNOFF FROM FLOWING THE LENGTH OF THE CONSTRUCTION ENTRANCE AND OUT ONTO PAVED SURFACES.
- 8. MAINTENANCE TOP DRESSING OF ADDITIONAL STONE SHALL BE APPLIED AS CONDITIONS DEMAND. MUD SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC ROADS, OR ANY SURFACE WHERE RUNOFF IS NOT CHECKED BY SEDIMENT CONTROLS, SHALL BE REMOVED IMMEDIATELY. REMOVAL SHALL BE ACCOMPLISHED BY SCRAPING OR SWEEPING.
- 9. CONSTRUCTION ENTRANCES SHALL NOT BE RELIED UPON TO REMOVE MUD FROM VEHICLES AND PREVENT OFF SITE TRACKING. VEHICLES THAT ENTER AND LEAVE THE CONSTRUCTION SHALL BE RESTRICTED FROM MUDDY AREAS.
- 10. THE ENTRANCE SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA IS STABILIZED OR REPLACED WITH A PERMANENT ROADWAY OR ENTRANCE.



TEMPORARY STABILIZED CONSTRUCTION ENTRANCE COMPOST SOCK FARRIC MINIMUM SPECIFICATIONS

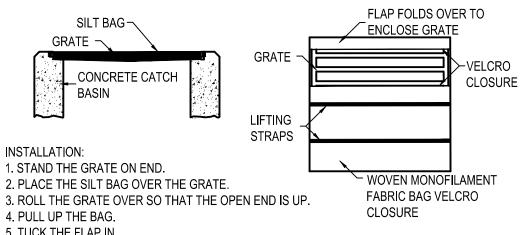
COMPOST SOCK FABRIC MINIMUM SPECIFICATIONS							
MATERIAL TYPE	3 mil HDPE	5 mil HDPE		5 mil HDPE	MULTI-FILAMENT POLYPROPYLENE (MFPP)	HEAVY DUTY MULTI-FILAMENT POLYPROPYLENE (MFPP)	
MATERIAL	PHOTO-	PHOT	0-	BIO-	PHOTO-	PHOTO-	
CHARACTERISTICS		DEGRAD	-	DEGRADABLE	DEGRADABLE	DEGRADABLE	
		12"		12"	12"	12"	
SOCK	12"	18"		18"	18"	18"	
DIAMETERS	18"	24"		24"	24"	24"	
		32"		32"	32"	32"	
MESH OPENING	3/8"	3/8"		3/8"	3/8"	1/8"	
TENSILE STRENGTH		26 PS	SI	26 PSI	44 PSI	202 PSI	
ULTRAVIOLET STABILITY % ORIGINAL STRENGTH (ASTM G-155)	% AT 1000 HR.	23% AT 1000 HR.			100% AT 1000 HR.	100% AT 1000 HR.	
MINIMUM FUNCTIONAL LONGEVITY	6 MONTHS	9 MONTHS		6 MONTHS	1 YEAR	2 YEARS	
			T\	WO-PLY SYSTEI			
					IDPE BIAXIAL NET		
INNER	INNER CONTAINMENT CONTINUOUSLY WOUND						
	NETTING FUSION-WELDED JUNCTURES						
1121111	HETTINO			3/4" X 3/4" MAX. APERTURE SIZE			
			COMPOSITE POLYPROPYLENE FABRIC				
OUTER FILTRATION MESH			(WOVEN LAYER & NON-WOVEN FLEECE MECHANICALLY				
			FUSED VIA NEEDLE PUNCH)				
OCCIVE A PRICE COMPOSED OF BURLAD MAY PET					MAX. APERTURE S		
SOCK FABRICS COMPOSED OF BURLAP MAY BE USED ON PROJECTS LASTING 6 MONTHS OR LESS							

l MESH L			FUSED VIA NEEDLE PUNCH)
			3/16" MAX. APERTURE SIZE
	SOCK FABRICS COMPOSED OF BURLAP I	MAY BE U	ISED ON PROJECTS LASTING 6 MONTHS OR LES
	COMPOST SHALL MEET THE FOLLOWING STA	ANDARD	S:
	ORGANIC MATTER CONTENT		80% - 100% (DRY WEIGHT BASIS)
ORGANIC PORTION		FIBROUS AND ELONGATED	
pH		5.5 - 8.0	
	MOISTURE CONTENT		35% - 55%
	PARTICLE SIZE		98% PASS THROUGH 1" SCREEN
	SOLUBLE SALT CONCENTRATION		5.0 dS MAXIMUM



- 1. COMPOST FILTER SOCK SHALL BE PLACED AT EXISTING LEVEL GRADE. BOTH ENDS OF THE SOCK SHALL BE EXTENDED AT LEAST 8 FEET UP SLOPE AT 45 DEGREES TO THE MAIN SOCK ALIGNMENT.
- 2. TRAFFIC SHALL NOT BE PERMITTED TO CROSS FILTER SOCKS.
- 3. ACCUMULATED SEDIMENT SHALL BE REMOVED WHEN IT REACHES ½ THE ABOVE GROUND HEIGHT OF THE SOCK AND DISPOSED IN THE MANNER DESCRIBED ELSEWHERE IN THE
- 4. SOCKS SHALL BE INSPECTED WEEKLY AND AFTER EACH 1/2 INCH STORM RUNOFF EVENT. DAMAGED SOCKS SHALL BE REPAIRED ACCORDING TO MANUFACTURER'S SPECIFICATIONS OR REPLACED WITHIN 24 HOURS OF INSPECTION.
- 5. BIODEGRADABLE FILTER SOCK SHALL BE REPLACED AFTER 6 MONTHS; PHOTODEGRADABLE SOCKS AFTER 1 YEAR. POLYPROPYLENE SOCKS SHALL BE REPLACED ACCORDING TO MANUFACTURER'S RECOMMENDATIONS.
- 6. UPON STABILIZATION OF THE AREA TRIBUTARY TO THE SOCK, STAKES SHALL BE REMOVED. THE SOCK MAY BE LEFT IN PLACE AND VEGETATED OR REMOVED. IN THE LATTER CASE, THE MESH SHALL BE CUT OPEN AND THE MULCH SPREAD AS A SOIL SUPPLEMENT.

COMPOST FILTER SOCK



5. TUCK THE FLAP IN. 6. PRESS THE VELCRO STRAPS TOGETHER.

- 7. BE SURE THAT THE END OF THE GRATE IS COMPLETELY COVERED BY THE FLAP OR THE SILT BAG WILL NOT WORK PROPERLY.
- 8. HOLDING THE HANDLES, CAREFULLY PLACE THE SILT BAG WITH THE GRATE INSERTED
- INTO THE CATCH BASIN FRAME.

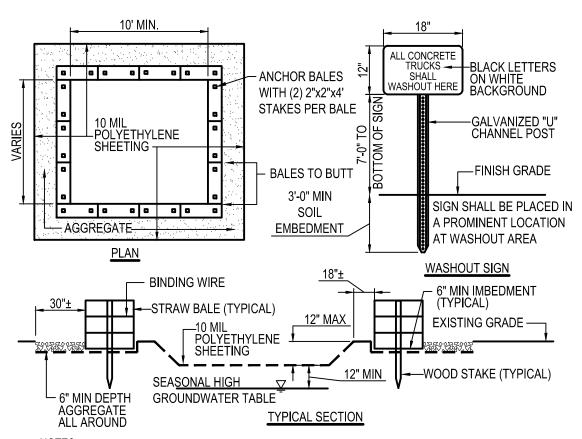
MAINTENANCE: TO ENSURE PROPER OPERATION REMOVE SILT, SEDIMENT, AND DEBRIS FROM THE SURFACE AND THE VICINITY OF THE UNIT WITH A SQUARE POINT SHOVEL OR STIFF BRISTLE BROOM AWAY FROM ENVIRONMENTALLY SENSITIVE AREAS AND WATERWAYS IN MANNER SATISFACTORY TO THE ENGINEER/INSPECTOR. REMOVE FINE MATERIAL FROM INSIDE SILT BAG AS NEEDED. DISPOSE OF SILT BAG NO LONGER IN USE AT AN APPROPRIATE RECYCLING OR SOLID WASTE FACILITY.

INLET INSPECTION: TO INSPECT INLET, REMOVE SILT BAG WITH GRATE INSIDE, INSPECT CATCH BASIN AND REPLACE SILT BAG BACK INTO GRATE FRAME.

PONDING IS LIKELY IF SEDIMENT IS NOT REMOVED REGULARLY. THE SILT BAG MUST NEVER BE USED WHERE OVERFLOW MAY ENDANGER AN EXPOSED SLOPE.



SILT BAG PROTECTION



. CONTAINMENT MUST BE STRUCTURALLY SOUND AND LEAK FREE AND CONTAIN ALL LIQUID WASTES 2. CONTAINMENT DEVICES MUST BE OF SUFFICIENT QUANTITY OR VOLUME TO COMPLETELY CONTAIN

- THE LIQUID WASTES GENERATED. 3. WASHOUT MUST BE CLEANED OR NEW FACILITIES CONSTRUCTED AND READY TO USE ONCE
- 4. WASHOUT AREA(S) SHALL BE INSTALLED IN A LOCATION EASILY ACCESSIBLE BY CONCRETE TRUCKS. 5. ONE OR MORE AREAS MAY BE INSTALLED ON THE CONSTRUCTION SITE AND MAY BE RELOCATED AS
- CONSTRUCTION PROGRESSES. 6. AT LEAST WEEKLY REMOVE ACCUMULATION OF SAND AND AGGREGATE AND DISPOSE OF PROPERLY.

CONCRETE WASHOUT AREA

CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT

1) SILT FENCE SHALL BE CONSTRUCTED BEFORE UPSLOPE LAND DISTURBANCE BEGINS.

2) ALL SILT FENCE SHALL BE PLACED AS CLOSE TO THE CONTOUR AS POSSIBLE SO THAT WATER WILL NOT CONCENTRATE AT LOW POINTS IN THE FENCE AND SO THAT SMALL SWALES OR DEPRESSIONS WHICH MAY CARRY SMALL CONCENTRATED FLOWS TO THE SILT FENCE ARE DISSIPATED ALONG ITS LENGTH.

3) TO PREVENT WATER PONDED BY THE SILT FENCE FROM FLOWING AROUND THE ENDS, EACH END SHALL BE CONSTRUCTED UPSLOPE SO THAT THE ENDS ARE AT A HIGHER ELEVATION.

4) WHERE POSSIBLE, SILT FENCE SHALL BE PLACED ON THE FLATTEST AREA AVAILABLE.

5) WHERE POSSIBLE, VEGETATION SHALL BE PRESERVED FOR 5 FT. (OR AS MUCH AS POSSIBLE) UPSLOPE FROM THE SILT FENCE. IF VEGETATION IS REMOVED. IT SHALL BE REESTABLISHED WITHIN 7 DAYS FROM THE INSTALLATION OF THE SILT FENCE.

6) THE HEIGHT OF THE SILT FENCE SHALL BE A MINIMUM OF 16 IN. ABOVE THE ORIGINAL GROUND SURFACE.

7) THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS. WHEN JOINTS ARE NECESSARY, FILTER CLOTH SHALL BE SPLICED TOGETHER ONLY AT A SUPPORT POST, WITH A MINIMUM 6 INCH OVERLAP, AND SECURELY SEALED.

8) POSTS SHALL BE A MINIMUM OF 5 FEET LONG, 2 INCHES IN DIAMETER AND SPACED A MAXIMUM OF 10 FEET APART AT THE BARRIER LOCATION AND DRIVEN SECURELY INTO THE GROUND. WHEN EXTRA STRENGTH FABRIC IS USED WITHOUT THE WIRE SUPPORT FENCE, POST SPACING SHALL NOT EXCEED 6 FEET.

9) THE SILT FENCE SHALL BE PLACED IN A TRENCH CUT A MINIMUM OF 6 INCHES DEEP. THE TRENCH SHALL BE CUT WITH A TRENCHER, CABLE LAYING MACHINE, OR OTHER SUITABLE DEVICE WHICH WILL ENSURE AN ADEQUATELY UNIFORM TRENCH DEPTH.

10) THE SILT FENCE SHALL BE PLACED WITH THE STAKES ON THE DOWNSLOPE SIDE OF THE GEOTEXTILE AND SO THAT 8 IN. OF CLOTH ARE BELOW THE GROUND SURFACE. EXCESS MATERIAL SHALL LAY ON THE BOTTOM OF THE 6 IN. DEEP TRENCH. THE TRENCH SHALL BE BACKFILLED AND COMPACTED.

11) WHEN EXTRA STRENGTH FILTER FABRIC AND CLOSER POST SPACING ARE USED, THE WIRE MESH SUPPORT FENCE MAY BE ELIMINATED. IN SUCH A CASE, THE FILTER FABRIC IS STAPLED OR WIRED DIRECTLY TO THE POSTS.

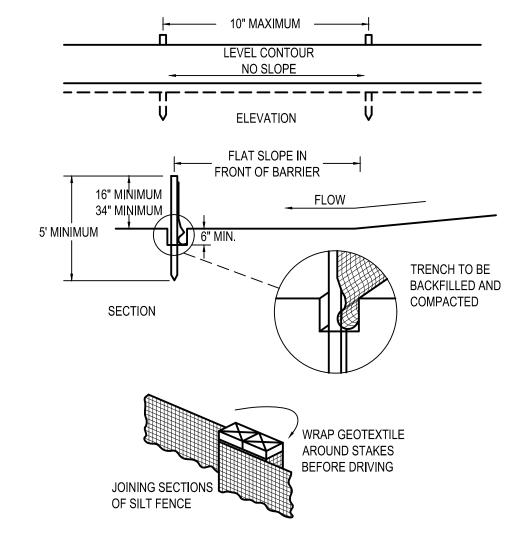
12) THE STANDARD STRENGTH FILTER FABRIC SHALL BE STAPLED OR WIRED TO THE FENCE, AND 8 INCHES OF THE FABRIC SHALL BE EXTENDED INTO THE TRENCH. THE FABRIC SHALL NOT EXTEND MORE THAN 36 INCHES ABOVE THE ORIGINAL GROUND SURFACE. FILTER FABRIC SHALL NOT BE STAPLED TO EXISTING TREES.

13) SEAMS BETWEEN SECTION OF SILT FENCE SHALL BE OVERLAPPED WITH THE END STAKES OF EACH SECTION WRAPPED TOGETHER BEFORE DRIVING INTO THE GROUND.

14) SILT FENCE SHALL ALLOW RUNOFF TO PASS ONLY AS DIFFUSE FLOW THROUGH THE GEOTEXTILE. IF RUNOFF OVERTOPS THE SILT FENCE, FLOWS UNDER OR AROUND THE ENDS, OR IN ANY OTHER WAY BECOMES A CONCENTRATED FLOW, ONE OF THE FOLLOWING SHALL BE PERFORMED, AS APPROPRIATE: A) THE LAYOUT OF THE SILT FENCE SHALL BE CHANGED, B) ACCUMULATED SEDIMENT SHALL BE REMOVED, OR C) OTHER PRACTICES SHALL BE INSTALLED.

MAINTENANCE: SILT FENCE SHOULD BE INSPECTED REGULARLY AND FREQUENTLY AS WELL AS AFTER EACH RAINFALL EVENT TO ENSURE THAT THEY ARE INTACT AND THERE ARE NO GAPS AT THE FENCE-GROUND INTERFACE OR TEARS ALONG THE LENGTH OF THE FENCE. IF GAPS OR TEARS

ARE FOUND. THEY SHOULD BE REPAIRED OR THE FABRIC REPLACED IMMEDIATELY. ACCUMULATED SEDIMENTS SHOULD BE REMOVED FROM THE FENCE BASE WHEN THE SEDIMENT REACHES ONE-THIRD TO ONE-HALF THE HEIGHT OF THE FENCE. SEDIMENT REMOVAL SHOULD OCCUR MORE FREQUENTLY IF ACCUMULATED SEDIMENT IS CREATING NOTICEABLE STRAIN ON THE FABRIC AND THERE IS THE POSSIBILITY OF THE FENCE FAILING FROM A SUDDEN STORM EVENT. WHEN THE SILT FENCE IS REMOVED, THE ACCUMULATED SEDIMENT SHOULD BE REMOVED.



CRITERIA FOR GEOTEXTILE FABRIC SILT FENCE, PER CURRENT STATE'S DOT SPECIFICATIONS.

FABRIC PROPERTIES	VALUES	TEST METHOD
MINIMUM TENSILE STRENGTH	120 LB. MINIMUM	ASTM D 4632
MINIMUM BURST STRENGTH	200 PSI MINIMUM	
MINIMUM PERMITTNITY	1x10-2sec-1	ASTM D 4491
APPARENT OPENING SIZE	AOS ≤ 0.84 mm	ASTM D 4751
UV EXPOSURE STRENGTH RETENTIOL	70%	ASTM G 4335
MAXIMUM ELONGATION AT 60 LBS.	50%	ASTM D 4632
MINIMUM PUNCTURE STRENGTH	50 LBS (220N)	ASTM D 4833
MINIMUM TEAR STRENGTH	40 LBS (180N)	ASTM D 4533



520 South Main Street, Suite 2531

330.572.2100 Fax 330.572.2101

Akron, OH 44311

SWPP

DETAILS

ENDEAVOR 2.0

TACO BELL

HAMMOCK RIDGE & U.S. 27

CLERMONT, FL 34711

05.13.22

05.19.22

CONTRACT DATE:

BUILDING TYPE:

PLAN VERSION:

BRAND DESIGNER

SITE NUMBER:

STORE NUMBER

PA/PM:

DRAWN BY.

JOB NO.:

ISSUED FOR BID

END. 2.0

315420

457313

2021088.46

JN

JANUARY 2022

CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT

CONSTRUCTION SEQUENCE

1"=20'

Horizontal Scale in Feet

. DURING PRECONSTRUCTION MEETING ALL EROSION & SEDIMENT CONTROL FACILITIES & PROCEDURES SHALL BE DISCUSSED. A GENERAL CONSTRUCTION SEQUENCE FOLLOWS AND MAY NEED TO BE UPDATED BY THE CONTRACTOR TO SUIT THE SPECIFICS OF THE SITE AND INTENDED CONTRACTOR SPECIFIC SEQUENCING.

1.1. INSTALL CONSTRUCTION ENTRANCE AS DETAILED ON PLANS. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED AROUND PERIMETER OF CONSTRUCTION SITE. WHERE THERE IS EXISTING FENCE ALONG THE PERIMETER OF THE SITE, IT CAN BE UTILIZED.

FENCING SHALL BE USED TO RESTRICT OUTSIDE TRAFFIC TO SITE. DELIVER CONSTRUCTION TRAILER TO SITE AND INSTALL TEMPORARY POWER AND TELEPHONE, IF REQUIRED. TEMPORARY UTILITY SERVICES ARE THE SOLE

RESPONSIBILITY OF THE CONTRACTOR. STAKE AND/OR FLAG LIMITS OF CLEARING.

CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF PERIMETER CONTROLS. INSTALL SILT PERIMETER CONTROLS AS SHOWN ON PLANS. SILT PERIMETER CONTROLS SHALL BE INSTALLED LEVEL, ALONG THE CONTOURS, WITH ENDS TURNED UPSLOPE TO PREVENT CONCENTRATED FLOW AT THE SILT PERIMETER CONTROLS.

INSTALL TEMPORARY SILT INLET PROTECTION ON ALL EXISTING CATCH BASINS AND INLETS, AS DESIGNATED IN THE PLANS. REMOVAL OF SILT INLET PROTECTION FROM DESIGNATED INLETS CAN ONLY OCCUR WHEN A STRUCTURE IS REMOVED, AND AS REQUIRED BY THE PROGRESSION OF THE DEMOLITION AND CONSTRUCTION.

CLEAR & GRUB, AS NECESSARY, FOR INSTALLATION OF TEMPORARY SEDIMENT TRAP/BASIN. INSTALL TEMPORARY SEDIMENT TRAP/BASIN, IF REQUIRED, AS DETAILED IN THE PLANS. CONSTRUCT AND MAINTAIN TEMPORARY DIVERSION SWALE AND / OR DIVERSION BERM DURING FILLING & GRADING ACTIVITIES.

1.7. CLEAR & GRUB THE REMAINING SITE AS NECESSARY. TOPSOIL SHALL BE STRIPPED AND STOCKPILED ON SITE FOR REUSE, OR REMOVED TO AN APPROVED OFFSITE SPOIL AREA.

1.8. UTILIZE DUST CONTROL MEASURES AS REQUIRED TO MINIMIZE AIR-BORNE POLLUTION BY METHODS APPROVED BY THE AUTHORIZING EPA OFFICE.

1.9. BEGIN FILLING & GRADING AS REQUIRED TO REACH SUBGRADE. 1.10. ONCE PAVEMENT GRADES HAVE BEEN ESTABLISHED, AS DESIGNATED ON THE PLANS, THE

CONTRACTOR SHALL UTILIZE THESE AREAS FOR STRUCTURE CONSTRUCTION. 1.11. CONSTRUCT UNDERGROUND UTILITY WORK INCLUDING STORM DRAINAGE FACILITIES. UPON INSTALLATION OF STORM DRAINAGE CATCH BASINS, YARD DRAINS AND INLETS,

INSTALL REQUIRED INLET PROTECTION. 1.12. DO NOT REPLACE ANY TOPSOIL, SEED OR INSTALL FINAL PAVEMENT PRIOR TO COMPLETION OF BUILDING SHELL. SHOULD SITEWORK BE COMPLETED PRIOR TO THIS

DATE, MULCH DISTURBED AREAS TO BE PLANTED AND INSTALL STONE SUBBASE IN DISTURBED AREAS TO BE PAVED.

1.13. FOLLOWING COMPLETION OF BUILDING SHELL AND PAVEMENT INSTALLATION, BEGIN LANDSCAPE INSTALLATION.

1.14. COMPLETE SITEWORK, PAVEMENT MARKINGS AND FINAL CLEAN-UP. RESEED ANY AREAS THAT MAY REQUIRE ATTENTION IMMEDIATELY. NOTE THAT LAWN AREAS WILL NOT BE DEEMED STABLE UNTIL A MINIMUM 80% VEGETATIVE DENSITY HAS BEEN ACHIEVED.

1.15. MAINTAIN EROSION & SEDIMENTATION CONTROL MEASURES UNTIL THE SITE HAS BEEN COMPLETELY STABILIZED. ALL AREAS OF VEGETATIVE SURFACE, WHETHER PERMANENT OR TEMPORARY, SHALL BE CONSIDERED TO BE IN PLACE AND FUNCTIONAL WHEN THE REQUIRED UNIFORM RATE OF COVERAGE (80%) IS OBTAINED.

1.16. REMOVE SEDIMENT CONTROLS.

PROJECT DESCRIPTION

THIS SITE IS A VACANT LOT. THIS PROJECT INVOLVES CONSTRUCTION OF A NEW TACO BELL RESTAURANT WITH AN OUTDOOR SEATING AREA, DRIVE-THRU AND A PARKING LOT WITH 22 PARKING SPACES. THIS SITE IS AN UNDEVELOPED PORTION OF AN ALREADY DEVELOPED LAND. THIS SITE CURRENTLY DRAINS TO THE SOUTH OF THE PROPERTY. THE PROPOSED STORM SEWER WILL BE CONNECTED TO THE EXISTING STORM NETWORK ON THE SOUTHWEST CORNER PROPERTY. THE EXISTING STORM SYSTEM IS PART OF THE OVERALL PLANNED DEVELOPMENT (INCLUDING THIS SITE) AND DRAINS TO EXISTING STORM MANAGEMENT FACILITY DESIGNED FOR THIS DEVELOPMENT.

PROJECT COMPLETION STATISTICS

PARCEL SIZE : 1.249 ACRES TOTAL DISTURBED AREA: 0.86 ACRES EXISTING LAND USE FOR THE SITE IS VACANT LAND. ESTIMATED PRE-CONSTRUCTION IMPERVIOUS AREA: ESTIMATED PRE-CONSTRUCTION IMPERVIOUS PERCENT: 4.80% PRE-CONSTRUCTION RUN-OFF COEFFICIENT: 0.38 PROPOSED LAND USE WILL BE A TACO BELL. 0.54 ACRES ESTIMATED POST-CONSTRUCTION IMPERVIOUS AREA: 43.20% ESTIMATED POST-CONSTRUCTION IMPERVIOUS PERCENT: POST-CONSTRUCTION RUN-OFF COEFFICIENT: 0.61

LATITUDE LONGITUDE 28.519841° -81.729094°

EXISTING SITE SOIL TYPES

CANDLER SAND, 0 TO 5 PERCENT AND 5 TO 12 PERCENT SLOPES. REFERENCE: USDA NATIONAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY.

THERE ARE NO KNOWN WETLANDS FOUND ON THIS SITE.

FIRST AND SUBSEQUENT RECEIVING STREAM:

INITIAL RECEIVING WATER IS CITY STORM SEWER AND SUBSEQUENT RECIEVING WATER IS COUNTY STORMWATER POND # 7.

POST CONSTRUCTION WQv / BMP DESCRIPTION

A MASTER DETENTION SYSTEM WAS DESIGNED TO ACCOUNT FOR THE DEVELOPMENT OF THE TACO BELL PARCEL, WHICH IS IDENTIFIED AS A PARCEL NO. 7 IN THE SJRWMD PERMIT NO. 100690-3 AND IS ACCOUNTED FOR 61% IMPERVIOUS AREA. THE PROPOSED TACO BELL WILL PROVIDE 43.20% IMPERVIOUS AREA, WHICH WILL GENERATE LESS STORMWATER RUNOFF THAN ORIGINALLY ACCOUNTED FOR. HENCE, CAPACITY PROVIDED IN DETENTION SYSTEM IS SUFFICIENT FOR THE PROPOSED TACO BELL.

OWNER CONTACT: STEVE PULCHEON SENIOR MANAGER OF CONSTRUCTION 1 GLEN BELL WAY IRVINE, CA 92618

ANTICIPATED TIMING CONSTRUCTION BEGIN CONSTRUCTION COMPLETE:

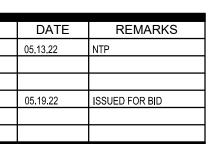
JUNE, 2022 NOVEMBER, 2022

CONTRACTOR: T.B.D CONTACT: PHONE NUMBER:

CONTRACTOR SHALL MAINTAIN A CONSTRUCTION LOG DOCUMENTING ALL GRADING AND STABILIZATION ACTIVITIES.



520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101



CONTRACT DATE: BUILDING TYPE: END. 2.0 PLAN VERSION: JANUARY 2022 **BRAND DESIGNER:** SITE NUMBER: 315420 457313 STORE NUMBER: PA/PM: JN

TACO BELL

2021088.46

DRAWN BY.

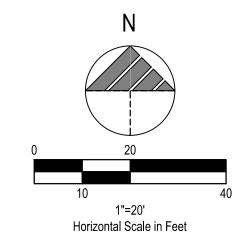
JOB NO.:

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0

SWPP PLAN



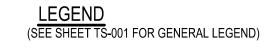
DEMOLITION NOTE:

ALL EXISTING SITE AND SURROUNDING FEATURES SUCH AS UTILITIES, PAVEMENT, CURB, LANDSCAPING, ETC. SHALL REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION UNLESS NOTED OTHERWISE, OR ARE REQUIRED TO BE MODIFIED OR REMOVED FOR THE INSTALLATION OF PROPOSED IMPROVEMENTS. ALL DISTURBED FEATURES SHALL BE RESTORED OR RELOCATED AS REQUIRED TO THE SATISFACTION OF THE OWNER. CONTRACTOR SHALL REPAIR/REPLACE ANY SURROUNDING FEATURES DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES AT NO

FURTHER INFORMATION REGARDING UTILITY EASEMENTS CAN BE FOUND ON THE SURVEY.

GENERAL SHEET NOTES

- PRIOR TO DEMOLITION OF UTILITIES, CONTRACTOR SHALL FIELD VERIFY THAT NO UPSTREAM OR DOWNSTREAM UTILITIES TO REMAIN ARE DEPENDENT OF SAID UTILITY TO BE REMOVED. CONTRACTOR SHALL CONTACT CONSTRUCTION MANAGER IF EXISTING UTILITIES TO REMAIN ARE FOUND DEPENDENT OF SAID REMOVALS.
- 2. CONTRACTOR SHALL ENSURE REMOVAL OF LIGHT POLE / SIGN / ETC. ELECTRIC CONDUIT HAS NO AFFECT ON REMAINING OVERALL DEVELOPMENT LIGHTING / ELECTRICAL SERVICES TO REMAIN.
- 3. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE ELECTRIC UTILITY COMPANY. CONTRACTOR SHALL ENSURE THERE IS NO SERVICE INTERRUPTION TO NEIGHBORING PROPERTIES. CONTRACTOR SHALL PLACE PULL BOXES AS REQUIRED FOR TRANSFORMER REMOVALS / SPLICING / ETC. ALL WORK SHALL BE PER THE UTILITY COMPANY STANDARDS AND SPECIFICATIONS.
- 4. EXISTING UTILITY LOCATIONS SHOWN HEREIN FROM UTILITY PROVIDER RECORD PLANS AND SURVEY DRAWINGS. CONTRACTOR SHALL FIELD LOCATE ALL EXISTING FEATURES ASSOCIATED TO THE PROPOSED IMPROVEMENTS.



EXISTING ASPHALT TO BE REMOVED (FULL DEPTH)

DEMOLITION KEYNOTE

DENOTES LIMITS OF SAWCUT



APPURTENANCES

PLAN KEYNOTES (#)

- EXISTING CURB TO BE REMOVED.
- 2. EXISTING ASPHALT PAVEMENT TO BE REMOVED (FULL DEPTH).
- 3. EXISTING LANDSCAPING TO BE REMOVED.
- 4. EXISTING CURB TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
- EXISTING PAVEMENT TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION. 6. EXISTING UTILITIES TO REMAIN AND BE PROTECTED THROUGHOUT CONSTRUCTION.
- 7. EXISTING MAILBOX TO BE RELOCATED, COORDINATE WITH OWNER/CONSTRUCTION
- MANAGER FOR NEW LOCATION.

CONTRACTOR SHALL KEEP 1.5" LIP IN EXISTING CURB WHILE MAKING A SAWCUT FOR PROPOSED DRIVE APRON.

EXISTING STORMSTRUCTURES		
STRCT. ID	STRUCTURE DETAILS	
ST 101	EXISTING CURB INLET RIM=114.16 INV. 18" (SE)=110.86	
ST 102	EXISTING CURB INLET RIM=113.81 INV. 18" (NW)=108.88 INV. 18" (SE)=108.81	
ST 103	EXISTING STORM MANHOLE RIM=112.30 INV. 24" (NE)=100.30 INV. 18" (SW)=100.60	
ST 104	EXISTING CURB INLET RIM=111.91 INV. 18" (SE)=105.16	
ST 105	EXISTING STORM MANHOLE RIM=111.64 INV. NOT ACCESSIBLE	
ST 106	EXISTING STORM INLET RIM=118.45 INV. 12" (N)=116.65	
ST 107	EXISTING STORM INLET RIM=120.38 INV. 18" (NW)=117.28 INV. 8" (SW)=117.28 INV. 12" (S)=115.68 BOTTOM=105.97 (FROM ASBUILT DRAWINGS	
ST 108	EXISTING STORM INLET RIM=124.56 INV. 18" (SW)=120.91 INV. 18" (SE)=120.76	
ST 109	EXISTING 24" STORM STUB INV.=106.27 (FROM ASBUILT DRAWINGS)	
ST 110	EXISTING 24" STORM STUB INV.=106.21 (FROM ASBUILT DRAWINGS)	

EXISTING SANITARY STRUCTU			
STRCT. ID	STRUCTURE DETAILS		
SAN 101	EXISTING SANITARY MANHOLE RIM=112.31 INV. 8" (NW)=105.36 INV. 8" (SE)=104.84 INV. 8" (SW)=104.91		
SAN 102	EXISTING SANITARY MANHOLE RIM=119.21 INV. 8" (NW)=114.62 INV. 8" (NE)=114.56 INV. 8" (SW)=114.71		

GPD GROUP, INC.°

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

EXISTING STORMSTRUCTURES		
STRCT. ID	STRUCTURE DETAILS	
ST 101	EXISTING CURB INLET RIM=114.16 INV. 18" (SE)=110.86	
ST 102	EXISTING CURB INLET RIM=113.81 INV. 18" (NW)=108.88 INV. 18" (SE)=108.81	
ST 103	EXISTING STORM MANHOLE RIM=112.30 INV. 24" (NE)=100.30 INV. 18" (SW)=100.60	
ST 104	EXISTING CURB INLET RIM=111.91 INV. 18" (SE)=105.16	
ST 105	EXISTING STORM MANHOLE RIM=111.64 INV. NOT ACCESSIBLE	
ST 106	EXISTING STORM INLET RIM=118.45 INV. 12" (N)=116.65	
ST 107	EXISTING STORM INLET RIM=120.38 INV. 18" (NW)=117.28 INV. 8" (SW)=117.28 INV. 12" (S)=115.68 BOTTOM=105.97 (FROM ASBUILT DRAWINGS	
ST 108	EXISTING STORM INLET RIM=124.56 INV. 18" (SW)=120.91 INV. 18" (SE)=120.76	
ST 109	EXISTING 24" STORM STUB INV.=106.27 (FROM ASBUILT DRAWINGS)	
ST 110	EXISTING 24" STORM STUB INV.=106.21 (FROM ASBUILT DRAWINGS)	
	STRCT. ID ST 101 ST 102 ST 103 ST 104 ST 105 ST 106 ST 107 ST 108 ST 109 ST	

STII	STING SANITARY STRUCTURES							
T. ID	STRUCTURE DETAILS							
.N 1	EXISTING SANITARY MANHOLE RIM=112.31 INV. 8" (NW)=105.36 INV. 8" (SE)=104.84 INV. 8" (SW)=104.91							
.N	EXISTING SANITARY MANHOLE RIM=119.21 INV 8" (NW)=114 62							

ENDEAVOR 2.0

05.13.22

05.19.22

CONTRACT DATE: BUILDING TYPE:

BRAND DESIGNER:

SITE NUMBER:

PA/PM:

DRAWN BY.

JOB NO.:

STORE NUMBER:

ISSUED FOR BID

PLAN VERSION: JANUARY 2022

TACO BELL

HAMMOCK RIDGE & U.S. 27

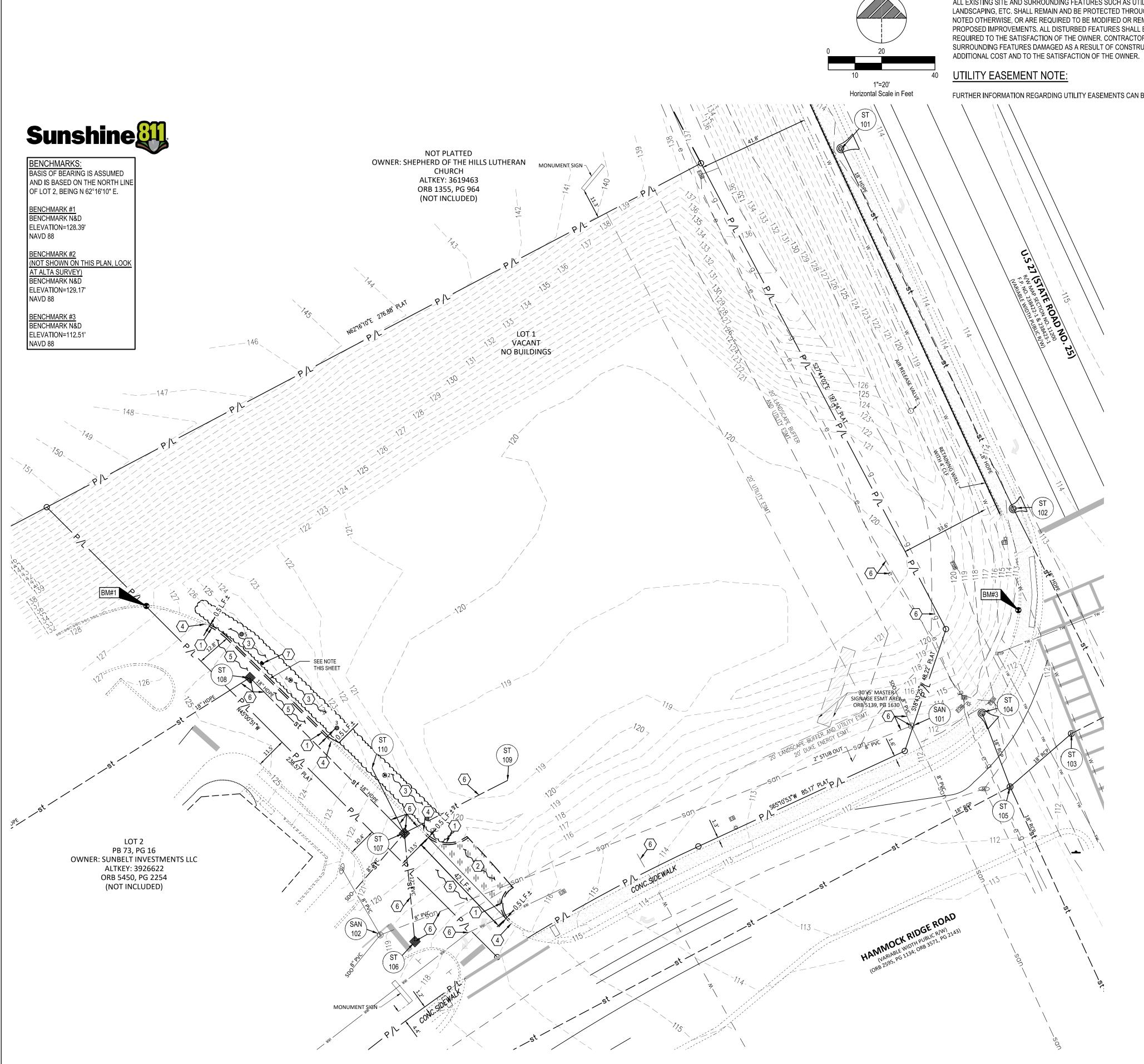
CLERMONT, FL 34711

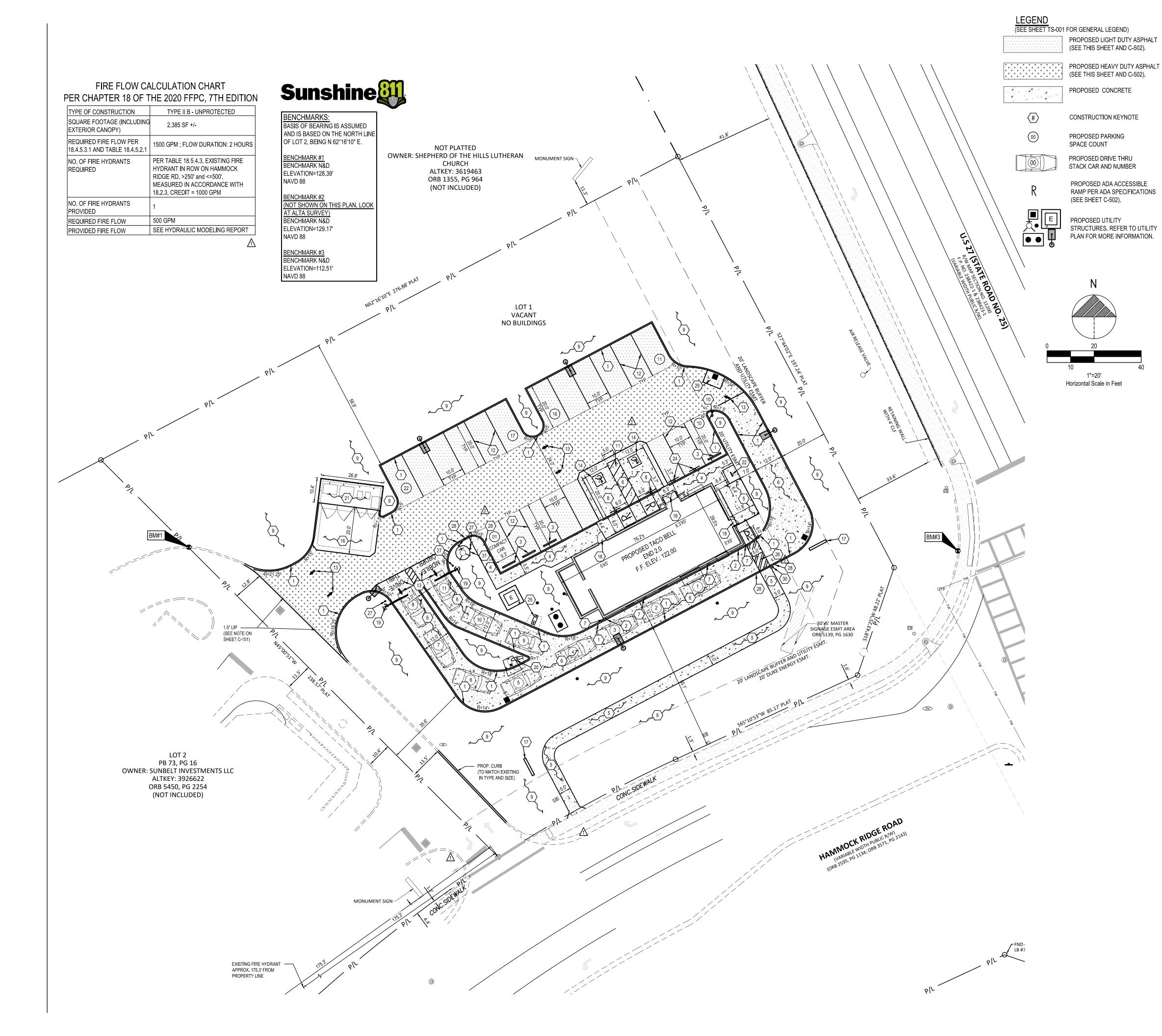
END. 2.0

315420 457313

2021088.46

DEMOLITION PLAN





CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT

GPD GROUP, INC.

520 South Main Street, Suite 2531

Akron, OH 44311 330.572.2100 Fax 330.572.2101

PLAN KEYNOTES (#)

- PROPOSED P.C.C. CURB, SEE SHEET C-501.
- PROPOSED CURB AT DRIVE THRU, SEE SHEET C-501. PROPOSED P.C.C. WHEEL STOP (COUNT 4), SEE SHEET C-501.
- PROPOSED P.C.C. CURBED WALK, SEE SHEET C-501.
- PROPOSED P.C.C. WALK, SEE SHEET C-501.
- PROPOSED LIGHT DUTY 6" P.C.C. PAVEMENT W/ W.W.F. 6" x 6"-W2.9 x W2.9 (CONTROL JTS. 12'-0" O.C.) OVER GRADED AGGREGATE BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT.
- PROPOSED DETERRENT BOLLARD IN CURB, SEE SHEET C-501.
- PROPOSED HANDICAPPED PARKING SIGN, SEE SHEET C-501.
- PROPOSED LANDSCAPING AREA. SOD ALL DISTURBED AREAS EXCEPT WHERE PLANTING BEDS
- ARE INDICATED. SEE LANDSCAPE PLANS.
- 0. PROPOSED 'DO NOT ENTER' SIGN PER FDOT STANDARDS AND SHEET C-501.
- I1. PROPOSED PAINTED TRANSVERSE STRIPING, SEE SHEET C-505. ⚠
- 12. PROPOSED PAINTED 4" WIDE SOLID STRIPE WHITE ON ASPHALT, YELLOW ON CONCRETE. 13. PROPOSED DIRECTIONAL PAVEMENT MARKINGS - WHITE ON ASPHALT, YELLOW ON CONCRETE.
- BLUE FOR ADA PER FDOT STANDARDS AND SHEET C-505. 14. PROPOSED PAINTED INTERNATIONAL ADA SYMBOL PER ADA SPECIFICATIONS AND SHEET C-505.
- 15. PROPOSED LIGHT POLE AND FOUNDATION. SEE STRUCTURAL AND ELECTRICAL DRAWINGS FOR SPECIFICATIONS.

PROPOSED HEAVY DUTY 8" P.C.C. PAVEMENT W/ W.W.F. 6" x 6"-W2.9 x W2.9 (CONTROL JTS. 12'-0"

- O.C.) OVER GRADED AGGREGATE BASE. APPLY LIQUID ASPHALT AT ALL JOINTS BETWEEN CONCRETE AND ASPHALT. 17. PROPOSED MONUMENT SIGN PER SIGN SUPPLIER SPECIFICATIONS. SIGN SUPPLIER SHALL
- DESIGN AND INSTALL FOUNDATION. 18. PROPOSED FROST SLAB AT DOOR. SEE THIS SHEET FOR SIZE AND STRUCTURAL DRAWINGS
- FOR DETAIL. 19. PROPOSED EVOLUTION PORTAL CLEARANCE BAR, SEE SHEET C-503.
- 20. PROPOSED MENU BOARD AND ORDER CONFIRMATION BOARD PER SIGN SUPPLIER SPECIFICATIONS, SEE SHEET C-503.
- 21. PROPOSED DUMPSTER ENCLOSURE ON P.C.C. PAD. REFER TO ARCHITECTURAL PLANS FOR MORE INFORMATION.
- 22. PROPOSED BIKE RACK, SEE SHEET C-501.

1"=20'

- 23. PROPOSED CONCRETE COLLAR, SEE SHEET C-502.
- 4. PROPOSED "MOBILE PICK UP" PARKING SIGNS IN BOLLARD. CONTRACTOR TO INSTALL SIGN
- POST AND BOLLARD PER THE HANDICAPPED PARKING SIGN DETAIL. SIGN TO BE PROVIDED BY 25. SIGN SUPPLIER SHALL PROVIDE SHALLOW FOUNDATION DESIGN FOR PROPOSED SPEAKER POST AND CANOPY PER SIGN SUPPLIER SPECIFICATIONS AND SHEET C-503. SIGN SUPPLIER TO
- PROVIDE A TEMPLATE FOR G.C. G.C. TO COORDINATE A MEETING WITH THE CONSTRUCTION/PROJECT MANAGER AND OPERATIONS TO VERIFY LOCATION AND PLACEMENT OF SPEAKER POST AND CANOPY PRIOR TO ANY CONSTRUCTION. SIGN SUPPLIER SHALL PROVIDE G.C. WITH FOUNDATION DETAILS. G.C. IS RESPONSIBLE FOR SIGN
- FOUNDATIONS/ELECTRICAL. CONTRACTOR SHALL FIELD LOCATE AND VERIFY DEPTH AND LOCATION OF EXISTING STORM SEWER AS TO NOT DISTURB EXISTING STORM SEWER. 26. PROPOSED CROSSWALK STRIPING, PER FDOT STANDARDS.
- 27. PROPOSED DETERRENT BOLLARD, SEE SHEET C-501.
- 28. PROPOSED CURB TAPER, SEE SHEET C-501.
- 29. PROPOSED CONCRETE COLLAR, SEE SHEET C502.
- 30. PROPOSED POLE MOUNTED SAFETY AND SECURITY MIRROR.
- 31. MAINTAIN CLEARANCES 36" CIRCUMFERANCE AROUND THE FIRE HYDRANT WITH CLEAR ACCESS TO THE FRONT, WITH NO LANDSCAPING MATERIAL ALLOWED WITHIN THIS AREA.

ASPHALT PAVEMENT

MATERIAL	DEPTH (HVY. DUTY)	DEPTH (STD. DUTY)
ASPHALT TYPE SP	6"	3"
BASE COURSE LIMEROCK (LBR=100) COMPACTED TO 98%	6"	6"
SUBGRADE COMPACTION	PER SOILS REPORT	PER SOILS REPORT

SOILS REPORT GOVERNS IF ANY DISCREPANCIES OCCUR. SEE TYPICAL SECTION SHEET C-502.

PARKING CALCULATIONS REQUIRED PROVIDED

NUMBER OF SPACES	17	22	
PARKING REQUIREMENTS	PARKING CALCULATIONS NOTE:		
1 SPACE FOR EACH 4 SEA	TS, PLUS 1	PARKING CALCULATIONS BASED UPO	
FOR EACH 475 S.F. OF FLO	OOR AREA	SEATING CAPACITY OF INDOOR AND	
THEREFORE: (30 / 4) + (67	5 / 75) = 17	OUTDOOR SEATING AREAS.	
REQUIRED.			

BUILDING SETBACKS

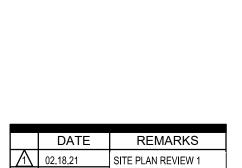
	REQUIRED	PROVIDED
FRONT: HAMMOCK RIDGE ROAD REAR: NORTH SIDE: EAST (U.S. 27) SIDE: WEST	25' 25' 50' 12'	67.1' 125.9' 50.8' 96.2'
PARKING SETBACKS		
	REQUIRED	PROVIDED
FRONT: HAMMOCK RIDGE ROAD REAR: NORTH SIDE: EAST (U.S. 27) SIDE: WEST	5' 5' 5'	55.1' 56.9' 20' 35.6'
LANDSCAPE SETBACK	S	
	REQUIRED	PROVIDED
FRONT: HAMMOCK RIDGE ROAD REAR: NORTH SIDE: EAST (U.S. 27)	20' 5' 20'	55.1' 56.9' 20'

I AND USE DATA

SIDE: WEST`

LAND OOL DATA								
	% OF	ARE/						
	SITE AREA	PROVID						
BUILDING	4.64%	0.058 /						
PAVEMENT/IMPERVIOUS	38.59%	0.482 /						
LANDSCAPING	56.77%	0.709 A						
TOTAL	1000/	1 240 /						

CURRENT ZONING: PUD



05.19.22 ISSUED FOR BID CONTRACT DATE: BUILDING TYPE: END. 2.0

PLAN VERSION: JANUARY 2022 **BRAND DESIGNER:**

SITE NUMBER: 315420 457313 STORE NUMBER: PA/PM:

DRAWN BY. JOB NO.: 2021088.46

TACO BELL

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0

SITE PLAN

GPD GROUP, INC.°

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

Sunshine

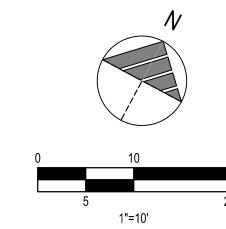
BENCHMARKS:
BASIS OF BEARING IS ASSUMED
AND IS BASED ON THE NORTH LINE
OF LOT 2, BEING N 62°16'10" E.

BENCHMARK #1 BENCHMARK N&D ELEVATION=128.39'

NAVD 88

BENCHMARK #2 (NOT SHOWN ON THIS PLAN, LOOK AT ALTA SURVEY) BENCHMARK N&D ELEVATION=129.17' NAVD 88

BENCHMARK #3 BENCHMARK N&D ELEVATION=112.51' NAVD 88



Horizontal Scale in Feet

LEGEND
(SEE SHEET TS-001 FOR GENERAL LEGEND)

PROPOSED CONTOUR

EXISTING SPOT ELEVATION/ MATCH EXISTING GRADE T=XXX.XX± EXISTING TOP OF CURB/MATCH EXISTING ELEVATION B=XXX.XX± BOTTOM OF CURB/MATCH EXISTING ELEVATION

> PROPOSED ELEVATION @ FINISHED GROUND **ELEVATION**

T=XXX.XX PROPOSED TOP OF CURB ELEVATION BOTTOM OF CURB/FINISHED PAVEMENT ELEVATION B=XXX.XX

RIM ELEVATION OF PROPOSED STRUCTURE RIM=XXX.XX PROPOSED DRAINAGE SLOPE & DIRECTION

EMERGENCY OVERLAND FLOW ROUTE

XXX.XX

LIMITS OF ADA ROUTING

SITE SHALL COMPLY WITH THE FLORIDA BUILDING CODE 7TH EDITION (2020) ACCESSIBILITY.

ACCESSIBILITY NOTE:

	DATE	REMARKS
Λ	02.18.21	SITE PLAN REVIEW 1 COMMENTS
	05.13.22	NTP
	05.19.22	ISSUED FOR BID
·		

CONTRACT DATE: **BUILDING TYPE:** END. 2.0 PLAN VERSION: JANUARY 2022 BRAND DESIGNER:

315420

2021088.46

SITE NUMBER: STORE NUMBER: PA/PM:

DRAWN BY. JOB NO.:

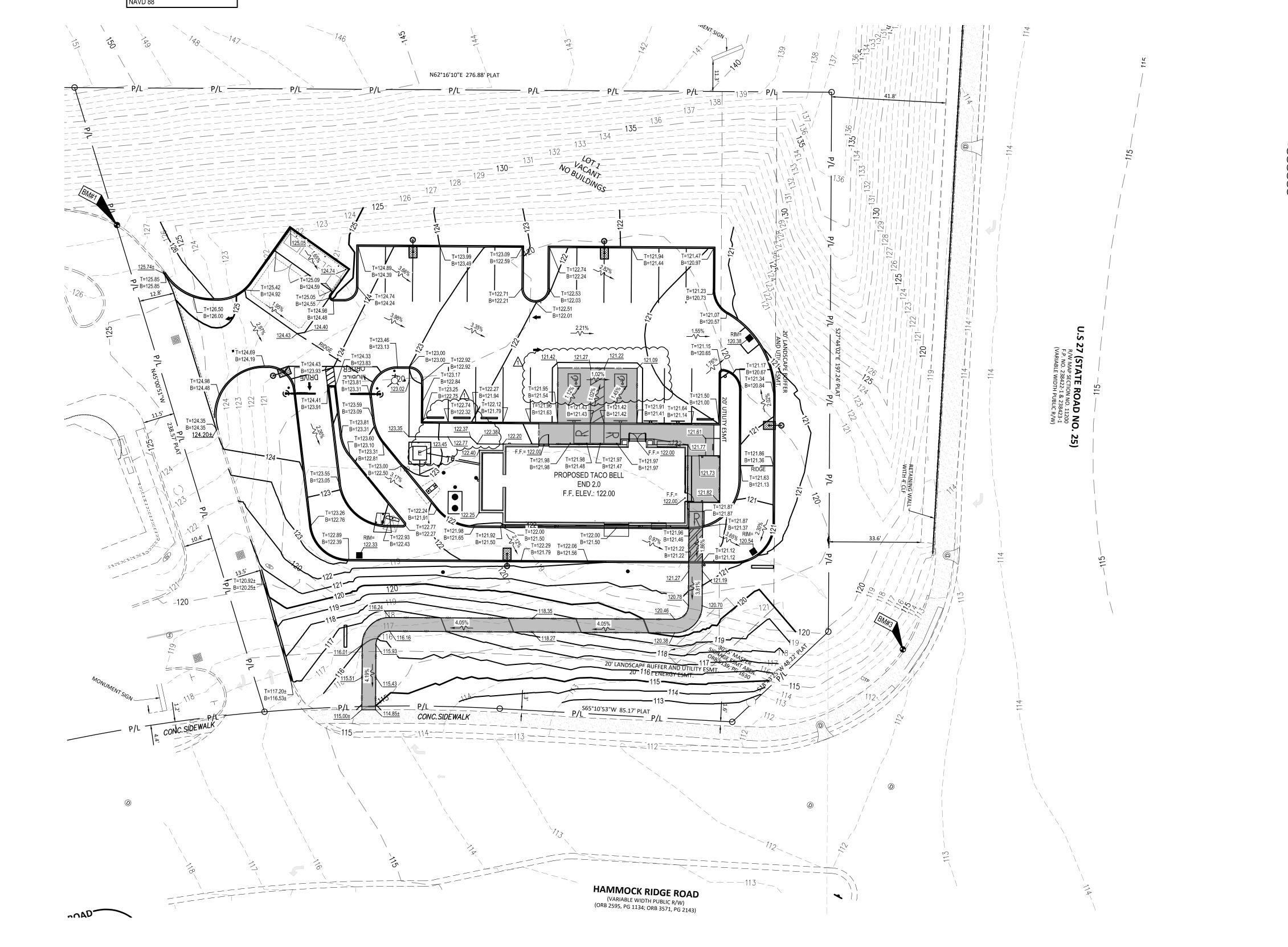
TACO BELL

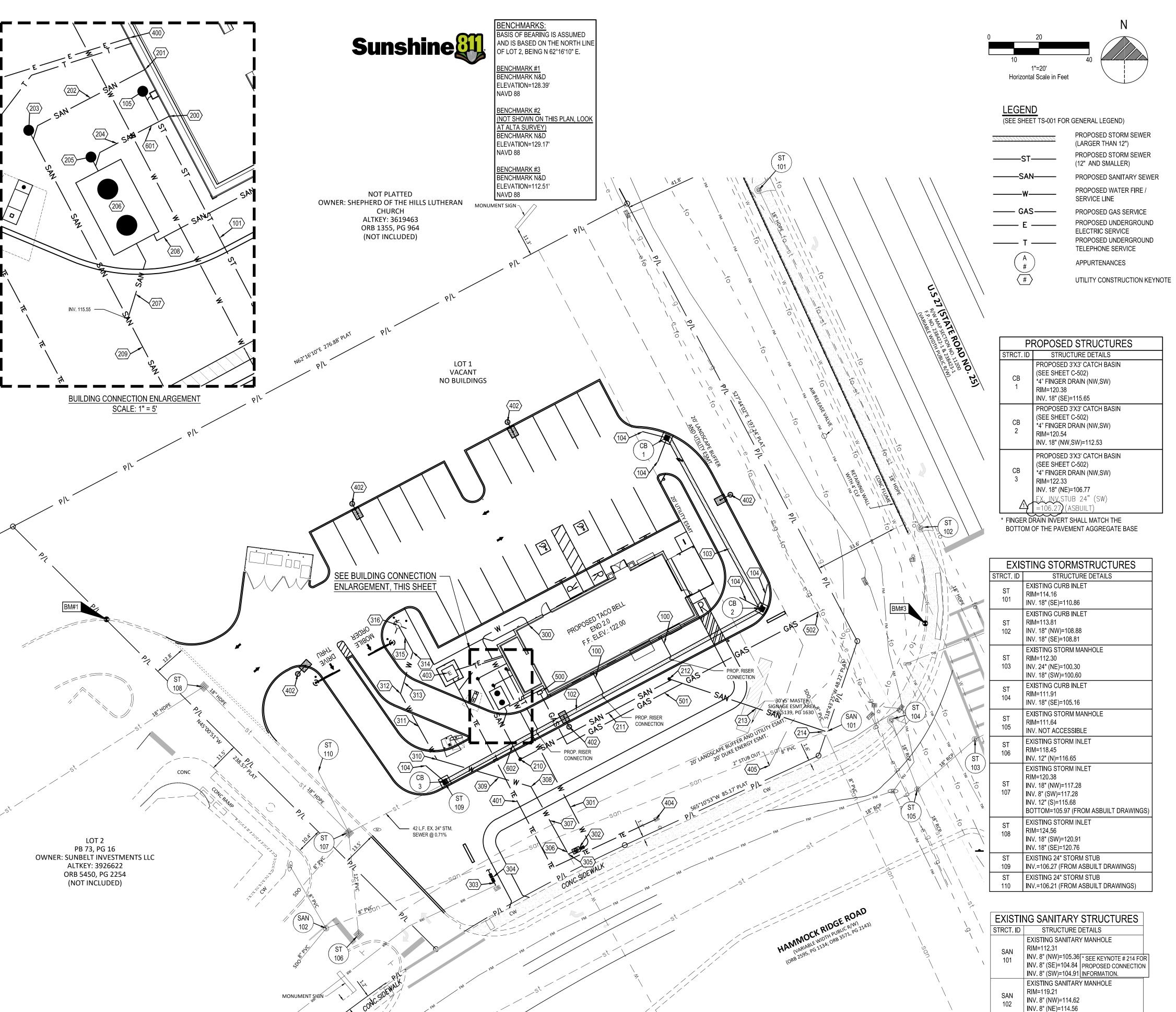
HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0

GRADING PLAN





PLAN KEYNOTES (#)

100. PROPOSED 10 L.F. OF 6" (PVC) SDR 35 @ 1.00%.

101. PROPOSED 28 L.F. OF 6" (PVC) SDR 35 @ 2.00%.

102. PROPOSED 144 L.F. OF 18" (HDPE) STORM SEWER @ 4.00%.

103. PROPOSED 78 L.F. OF 18" (HDPE) STORM SEWER @ 4.00%. 104. PROPOSED 4" FINGER DRAIN, SEE DETAIL, SHEET C-502.

105. PROPOSED STORM CLEANOUT AND WYE CONNECTION, SEE DETAIL, SHEET C-502. RIM= 122.38, 6" INV.=118.59.

SANITARY

200. PROPOSED SANITARY CONNECTION - GREASE LINE. CONTRACTOR SHALL PROVIDE FITTINGS AS REQUIRED TO CONNECT 6" LATERAL OUTSIDE OF BUILDING. 6" INV.=116.00

201. PROPOSED SANITARY CONNECTION - WASTE LINE. CONTRACTOR SHALL PROVIDE FITTINGS AS REQUIRED TO 6" LATERAL OUTSIDE OF BUILDING. 6" INV.=116.00.

202. PROPOSED 14 L.F. OF 6" (PVC) SDR 26 SANITARY SEWER @ 1.00%.

203. PROPOSED SANITARY CLEANOUT, SEE SHEET C-504, AND WYE CONNECTION, SEE SHEET C-504. RIM= 122.90, 6" INV.=115.86. PROPOSED 9 L.F. OF 6" (PVC) SDR 26 SANITARY SEWER @ 1.00%.

PROPOSED SANITARY CLEANOUT, SEE SHEET C-504, AND WYE CONNECTION, SEE SHEET C-504.

RIM= 122.65, 6" INV.=115.91. 206. PROPOSED 1000 GALLON EXTERIOR GREASE INTERCEPTOR, SEE SHEET C-502.

RIM= 122.50, 6" INV.(NW)=115.89, 6" INV.(SE)=115.64 PROPOSED 9 L.F. OF 6" (PVC) SDR 26 SANITARY SEWER @ 1.00%.

208. PROPOSED 16 L.F. OF 3" PVC SANITARY VENT FROM GREASE INTERCEPTOR. COORDINATE

EXACT LOCATION WITH PLUMBING PLANS. 209. PROPOSED 37 L.F. OF 6" (PVC) SDR 26 SANITARY SEWER @ 1.50%.

210. PROPOSED SANITARY CLEANOUT, SEE SHEET C-504, AND WYE CONNECTION, SEE SHEET C-504. RIM= 121.35, 6" INV.=115.30.

211. PROPOSED 68 L.F. OF 6" (PVC) SDR 26 SANITARY SEWER @ 6.00%.

212. PROPOSED SANITARY CLEANOUT, SEE SHEET C-504, AND WYE CONNECTION, SEE SHEET C-504. RIM= 121.60, 6" INV.=111.22.

213. PROPOSED 66 L.F. OF 6" (PVC) SDR 26 SANITARY SEWER @ 6.00%.

214. PROPOSED OUTSIDE DROP CONNECTION TO EXISTING SANITARY MANHOLE, SEE SHEET C-504. 6" INV. (OUTSIDE)=107.26, INSIDE INV. = 105.0±. CONTRACTOR SHALL FIELD VERIFY LOCATION, ELEVATION, AND CONDITION OF EXISTING SANITARY MANHOLE PRIOR TO START OF ANY WORK AND NOTIFY THE CONSTRUCTION MANAGER IMMEDIATELY IF THERE IS AN ISSUE MAINTAINING

(300. PROPOSED BUILDING WATER CONNECTION. COORDINATE WITH PLUMBING PLANS.

\$\, 301. PROPOSED 123 L.F. 1-1/2" AWWA C901.88, MIN. PSI 200 WATER SERVICE LINE.

\$ 302. PROPOSED DOMESTIC WATER METER AND BACKFLOW PREVENTOR PER UTILITIES INC. STANDARDS AND SPECIFICATIONS. BACKFLOW PREVENTOR SHALL BE LOCATED AFTER THE

303. PROPOSED 6 L.F. 1" AWWA C901.88, MIN. PSI 200 IRRIGATION LINE.

304. PROPOSED IRRIGATION METER AND BACKFLOW PREVENTOR PER UTILITIES INC. STANDARDS AND SPECIFICATIONS. BACKFLOW PREVENTOR SHALL BE LOCATED AFTER THE METER.

PROPOSED CONNECTION TO EXISTING WATER LINE STUB. CONTRACTOR SHALL FIELD VERIFY CONDITION OF EXISTING STUB PRIOR TO ANY CONSTRUCTION. COORDINATE ALL WORK WITH THE UTILITY COMPANY.

> 306. PROPOSED TAP TO EXISTING 8" WATER LINE.

> 307. PROPOSED 30 L.F. 8" ANSI/AWWA C-900 WATER LINE.

308. PROPOSED 45° BEND.

309. PROPOSED 39 L.F. 8" ANSI/AWWA C-900 WATER LINE. 310. PROPOSED 45° BEND.

PROPOSED 30 L.F. 8" ANSI/AWWA C-900 WATER LINE.

PROPOSED 45° BEND.

313. PROPOSED 17 L.F. 8" ANSI/AWWA C-900 WATER LINE.

314. PROPOSED 45° BEND. 315. PROPOSED 12 L.F. 8" ANSI/AWWA C-900 WATER LINE.

316. PROPOSED FIRE HYDRANT PER UTILITIES INC. STANDARDS AND SPECIFICATIONS. SEE SHEET

WATER NOTES:

1. SEE DETAILS SHEET C-505 AND C-506 FOR ALL WATER MAIN NOTES AND DETAILS.

2. ALL WORK SHALL BE PER UTILITIES INC. STANDARDS AND SPECIFICATIONS.

COORDINATE ALL WORK WITH UTILITY COMPANY.

4. ALL WATER LINE WORK SHALL HAVE MINIMUM 36" COVER FROM TOP OF PIPE TO FINISHED GRADE. FINISHED GRADE.

ELECTRIC AND COMMUNICATIONS

400. PROPOSED ELECTRIC METER PER ELECTRIC COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. ELECTRIC SERVICE LINE TO BE COORDINATED WITH THE ELECTRIC COMPANY.

401. PROPOSED ELECTRIC AND TELECOMMUNICATIONS SERVICE CONNECTION TO BE COORDINATED WITH THE UTILITY COMPANIES.

402. PROPOSED LIGHT POLE. SEE ELECTRICAL DRAWINGS FOR SPECIFICATIONS.

403. PROPOSED PAD MOUNTED ELECTRICAL TRANSFORMER PER ELECTRICAL COMPANY

SPECIFICATIONS. G.C. TO VERIFY EXACT LOCATION AND SIZE WITH UTILITY ENGINEER. 404. PROPOSED CONNECTION TO EXISTING ELECTRIC SERVICE. COORDINATE ALL WORK WITH THE

UTILITY COMPANY. CONTRACTOR TO ADJUST EXISTING ELECTRIC BOX TO PROPOSED GRADES. 405. CONTRACTOR TO KEEP EXISTING FIBER OPTIC STUB EXPOSED DURING CONSTRUCTION.

INV. 8" (SW)=114.71

500. PROPOSED GAS METER PER GAS COMPANY SPECIFICATIONS. SEE BUILDING DRAWINGS FOR EXACT LOCATION. GAS SERVICE LINE TO BE COORDINATED WITH THE GAS COMPANY.

501. PROPOSED 136 L.F. GAS SERVICE CONNECTION TO BE COORDINATED WITH THE GAS COMPANY. CONTRACTOR SHALL REPAIR AND RESTORE ALL DISTURBED AREAS IN ACCORDANCE WITH LOCAL AND OWNER REQUIREMENTS.

502. PROPOSED CONNECTION TO EXISTING GAS MAIN PER GAS COMPANY STANDARDS AND SPECIFICATIONS. COORDINATE ALL WORK WITH WITH THE UTILITY COMPANY.

UTILITY CROSSINGS

600. GENERAL UTILITY CROSSING - CONTRACTOR SHALL COORDINATE ALL CROSSINGS WITH THE UTILITY COMPANIES. PRESSURIZED AND DRY UTILITIES SHALL DEFLECT TO MAINTAIN 18" CLEARANCE MINIMUM AT SANITARY OR STORM SEWER CROSSINGS. FOR CLEARANCE BETWEEN PIPES OF LESS THAN 18", THE CONTRACTOR SHALL PROVIDE CONCRETE ENCASEMENT PER SHEET C-503.

601. PROPOSED UTILITY CROSSING: 6" PVC STORM INV.=118.23 6" PVC SANITARY INV.=115.98

602. PROPOSED UTILITY CROSSING: PROPOSED 18" STORM INV.=108.00 6" PVC SANITARY INV.=115.40



520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

	DATE	REMARKS				
7	02.18.21	SITE PLAN REVIEW 1 COMMENTS				
	05.13.22	NTP				
	05.19.22	ISSUED FOR BID				
NTRACT DATE: 01 17						

CONTRACT DATE: 01.17.22 BUILDING TYPE: END. 2.0 PLAN VERSION: JANUARY 2022

BRAND DESIGNER: SITE NUMBER:

JOB NO.:

457313 STORE NUMBER: PA/PM: DRAWN BY.

315420

2021088.46

TACO BELL

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0

UTILITY **PLAN**

Sunshine

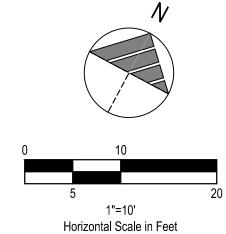
BENCHMARKS:
BASIS OF BEARING IS ASSUMED
AND IS BASED ON THE NORTH LINE
OF LOT 2, BEING N 62°16'10" E.

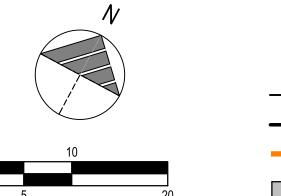
BENCHMARK #1 BENCHMARK N&D ELEVATION=128.39' NAVD 88

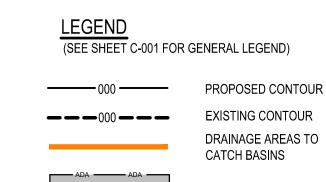
BENCHMARK #2 (NOT SHOWN ON THIS PLAN, LOOK AT ALTA SURVEY) BENCHMARK N&D

NAVD 88 BENCHMARK #3 BENCHMARK N&D ELEVATION=112.51'

ELEVATION=129.17'



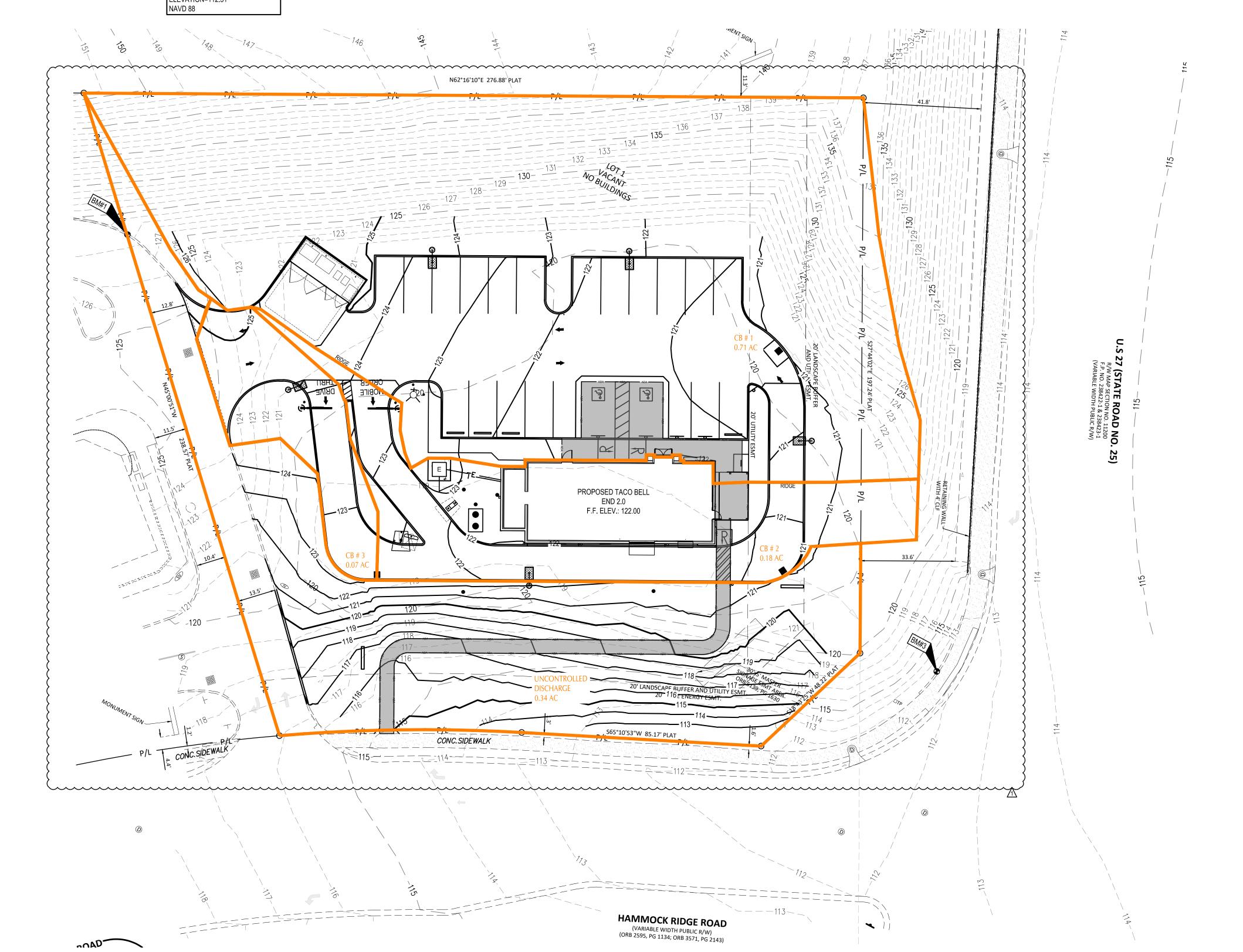




LIMITS OF ADA ROUTING



520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101



	DATE	REMARKS
Λ	02.18.21	SITE PLAN REVIEW 1 COMMENTS
	05.13.22	NTP
	05.19.22	ISSUED FOR BID
	•	

CONTRACT DATE: **BUILDING TYPE:** END. 2.0 PLAN VERSION: JANUARY 2022 BRAND DESIGNER: SITE NUMBER: 315420 STORE NUMBER: PA/PM: DRAWN BY. JOB NO.: 2021088.46

TACO BELL

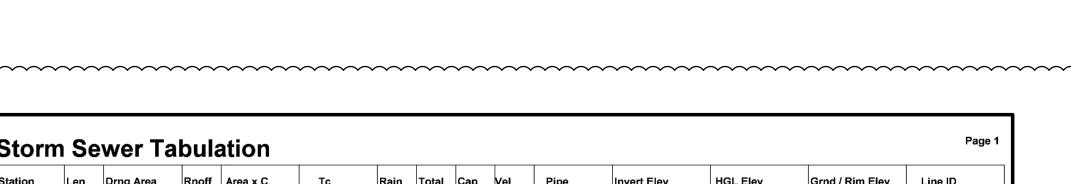
HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711

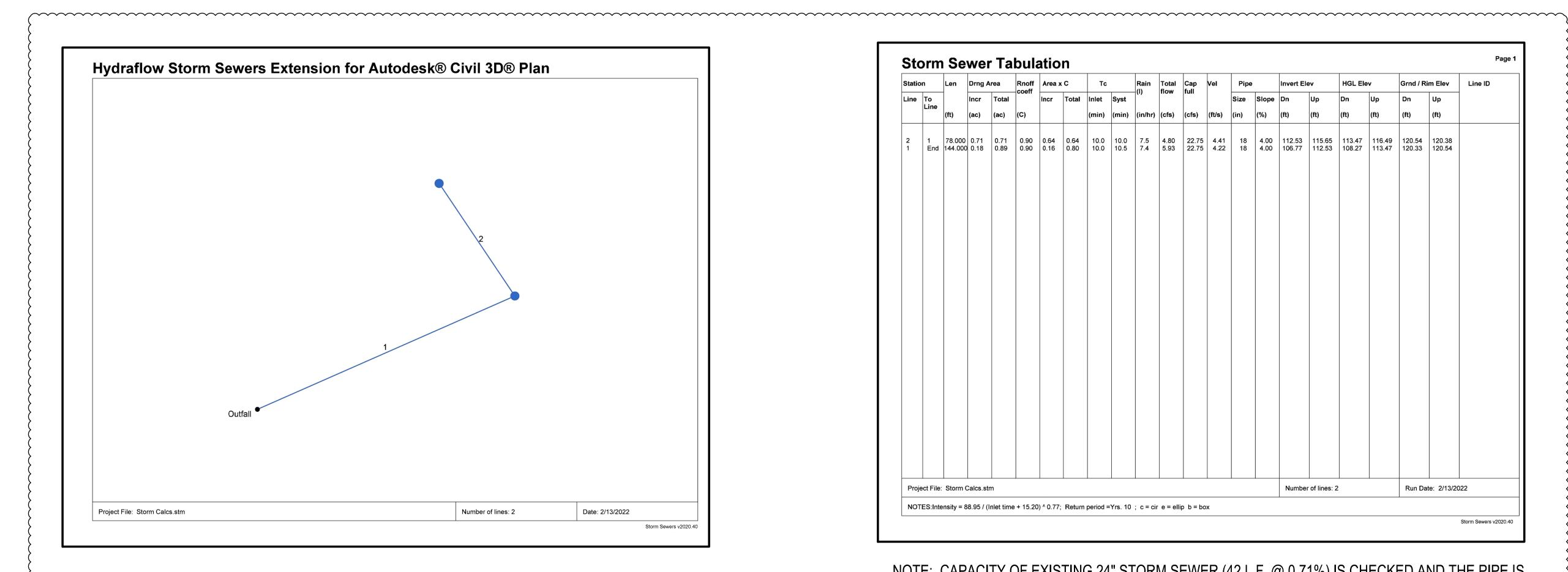


ENDEAVOR 2.0 CATCH BASIN DRAINAGE AREA MAP

C-132

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101





Statio	n	Len	Drng A	rea	Rnoff	Area	C	Тс		Rain			Vel	Pipe		Invert El	ev	HGL Ele	ev ·	Grnd / R	im Elev	Line ID
Line	Line		Incr (ac)	Total	coeff (C)	Incr	Total		Syst (min)	(l) (in/hr)		full (cfs)	(ft/s)	Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
2 1	1 End	78.000 144.000	0.71	0.71 0.89	0.90	0.64 0.16	0.64 0.80	10.0	10.0	7.5 7.4	4.80 5.93	22.75 22.75	4.41 4.22	18 18	4.00	112.53 106.77	115.65 112.53	113.47 108.27	116.49 113.47	120.54 120.33	120.38 120.54	
Proi	ect File:	Storm (Calcs.st	m												Numbe	er of lines:	2		Run Da	ite: 2/13/20	022

NOTE: CAPACITY OF EXISTING 24" STORM SEWER (42 L.F. @ 0.71%) IS CHECKED AND THE PIPE IS SUFFICIENT TO CARRY ALL STORMWATER RUNOFF FROM THIS SITE UNDER PROPOSED CONDITIONS.

	DATE	REMARKS
Λ	02.18.21	SITE PLAN REVIEW 1 COMMENTS
	05.13.22	NTP
	05.19.22	ISSUED FOR BID

CONTRACT DATE: **BUILDING TYPE:** END. 2.0 PLAN VERSION: JANUARY 2022 BRAND DESIGNER:

> 315420 457313

2021088.46

JN

SITE NUMBER: STORE NUMBER: PA/PM:

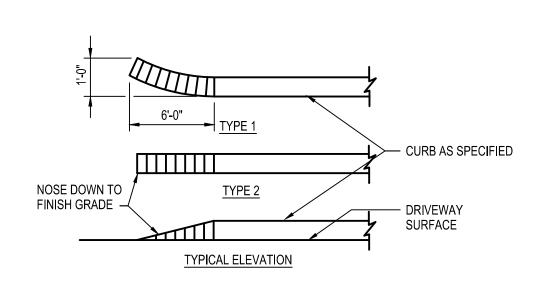
DRAWN BY. JOB NO.:

TACO BELL

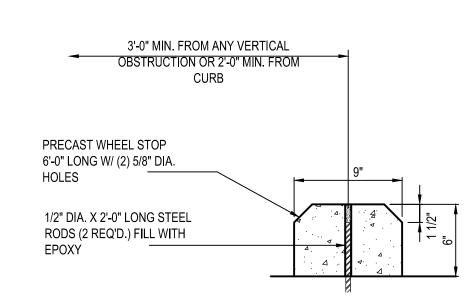
HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0 STORM SEWER CALCULATIONS



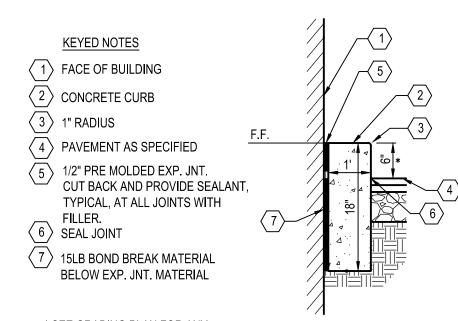
CONCRETE CURB TAPER



1. SEE SITE PLAN FOR LOCATION AND QUANTITY OF WHEELSTOPS.

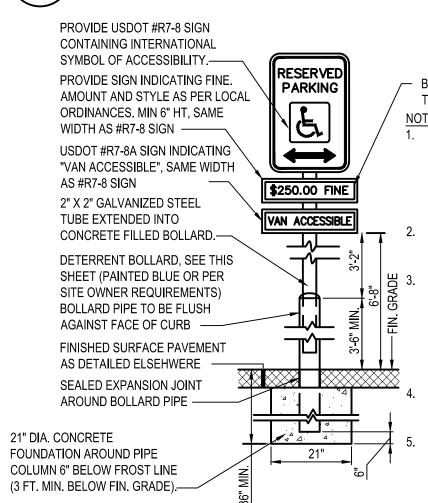
2. WHEN APPLICABLE IN CONCRETE PAVEMENTS, WHEEL STOPS SHALL BE ANCHORED TO CONCRETE WITH HDI+ 1/4" DROP-IN ANCHORS, 1" EMBEDMENT W/ 1/4" THREADED ROD.





* SEE GRADING PLAN FOR ANY VARIATIONS TO EXPOSED CURB HEIGHT.



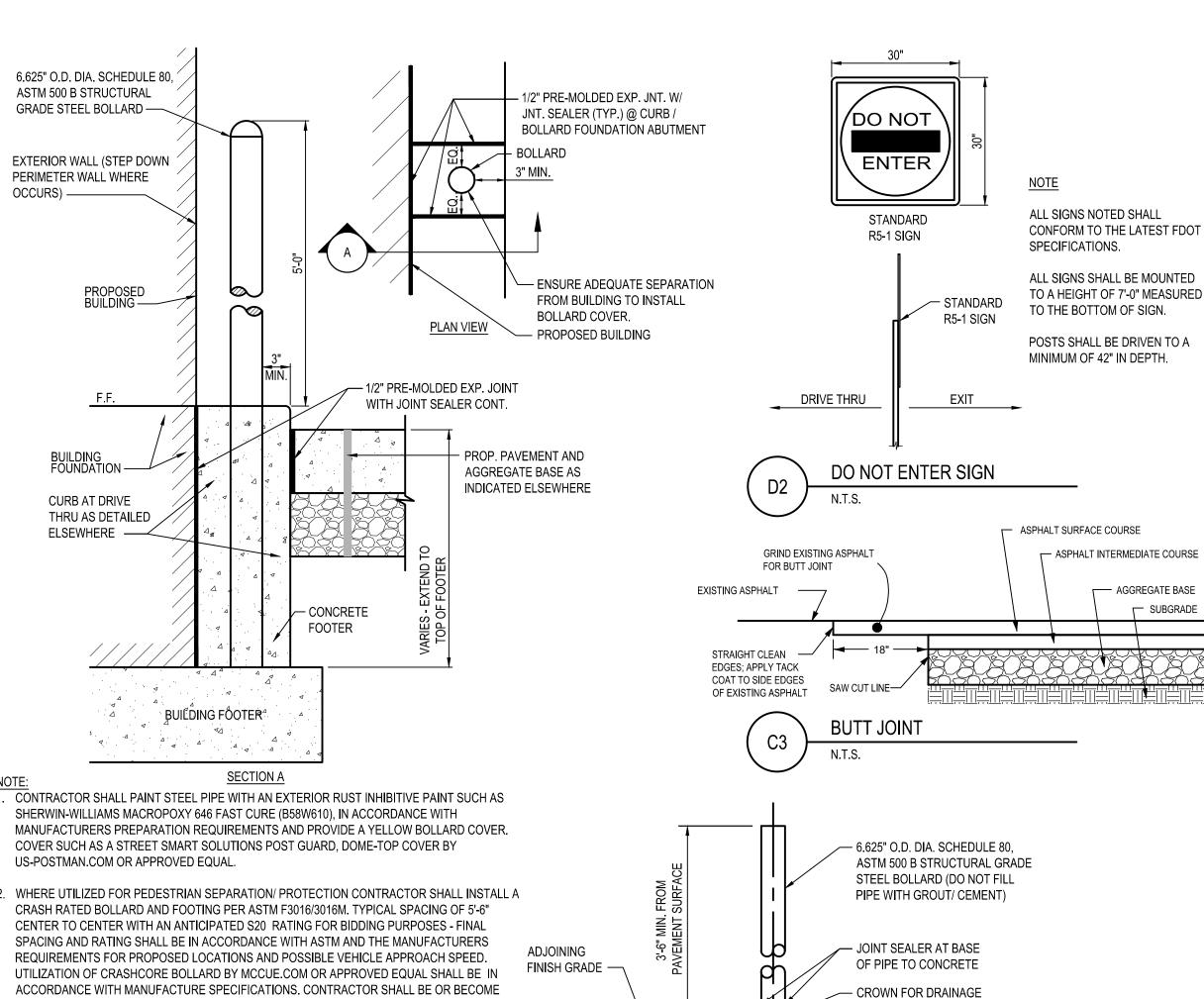


 BOLT SIGNS TO GALVANIZED STEEL TUBE COLUMN

N.T.S.

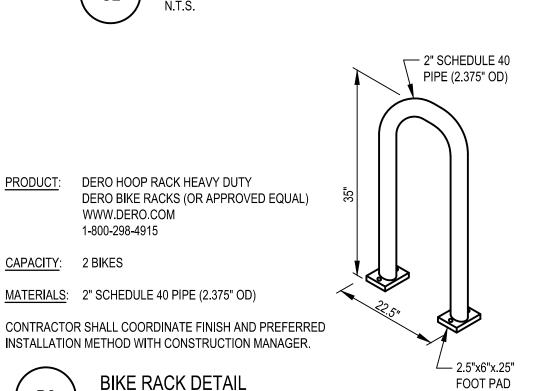
CONTRACTOR SHALL VERIFY SIGN WITH LOCAL AND ADA REQUIREMENTS AND SPECIFICATIONS BEFORE INSTALLATION. LOCAL JURISDICTION SIGN REQUIREMENTS SHALL TAKE PRECEDENCE OVER THIS DETAIL. SIGNS SHALL BE LOCATED SO THAT THEY CANNOT BE OBSCURED BY A VEHICLE PARKED IN THE SPACE. BOLLARD TO BE DELETED IF SIGN POST IS OUT OF VEHICULAR PATH OR PARKING SPACE. WHEN NOT USING **BOLLARD FOUNDATION THE SIGN POST** SHALL BE EMBEDDED 3'-6" IN A 12" DIA. CONCRETE FOOTING 4'-0" DEEP (0.12 CU. YDS. OF CONCRETE REQUIRED). SIGN TO BE PROVIDED AT ALL ACCESSIBLE PARKING SPACES AS PER ADA REGULATIONS. IF SIGN IS MOUNTED TO BUILDING, THE BOTTOM OF THE VAN ACCESSIBLE SIGN SHALL BE 5'-0" FROM THE FINISH GRADE.

HANDICAPPED PARKING SIGN



2. WHERE UTILIZED FOR PEDESTRIAN SEPARATION/ PROTECTION CONTRACTOR SHALL INSTALL A ACCORDANCE WITH MANUFACTURE SPECIFICATIONS. CONTRACTOR SHALL BE OR BECOME CERTIFIED INSTALLERS, CONTACT MANUFACTURER(S) FOR DETAILS.

DETERRENT BOLLARD IN CURB



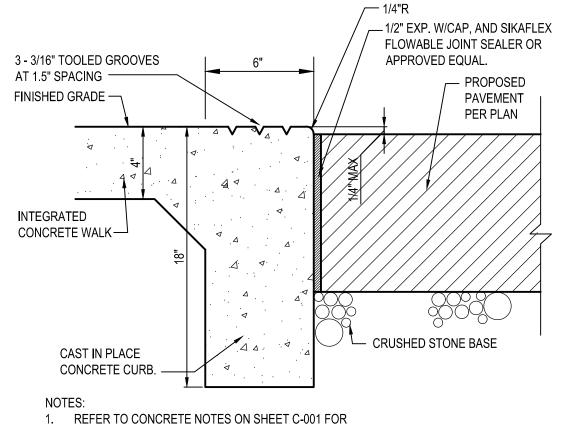
. CONTRACTOR SHALL PAINT STEEL PIPE WITH AN EXTERIOR RUST INHIBITIVE PAINT SUCH AS SHERWIN-WILLIAMS MACROPOXY 646 FAST CURE (B58W610), IN ACCORDANCE WITH MANUFACTURERS PREPARATION REQUIREMENTS AND PROVIDE A YELLOW (BLUE FOR ADA) BOLLARD COVER. COVER SUCH AS A STREET SMART SOLUTIONS POST GUARD, DOME-TOP COVER BY US-POSTMAN.COM OR APPROVED EQUAL.

2. WHERE UTILIZED FOR PEDESTRIAN SEPARATION/ PROTECTION CONTRACTOR SHALL INSTALL A CRASH RATED BOLLARD AND FOOTING PER ASTM F3016/3016M. TYPICAL SPACING OF 5'-6" CENTER TO CENTER WITH AN ANTICIPATED S20 RATING FOR BIDDING PURPOSES - FINAL SPACING AND RATING SHALL BE IN ACCORDANCE WITH ASTM AND THE MANUFACTURERS REQUIREMENTS FOR PROPOSED LOCATIONS AND POSSIBLE VEHICLE APPROACH SPEED. UTILIZATION OF CRASHCORE BOLLARD BY MCCUE.COM OR APPROVED EQUAL SHALL BE IN ACCORDANCE WITH MANUFACTURE SPECIFICATIONS. CONTRACTOR SHALL BE OR BECOME CERTIFIED INSTALLERS, CONTACT MANUFACTURER(S) FOR DETAILS.

21" DIA. CONCRETE FOOTING

— COMPACTED AGGREGATE

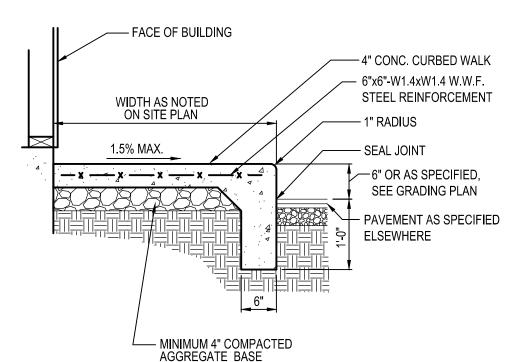
DETERRENT BOLLARD B3



CONCRETE SPECIFICATION.

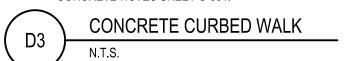
FLUSH CURB

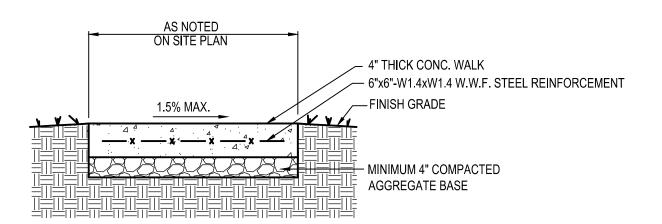
2. SIDEWALK WIDTH AS SHOWN ON SITE PLAN.



1. CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING.

2. FIBER MAY BE USED IN PLACE OF STEEL REINFORCEMENT, SEE CONCRETE NOTES SHEET C-001.

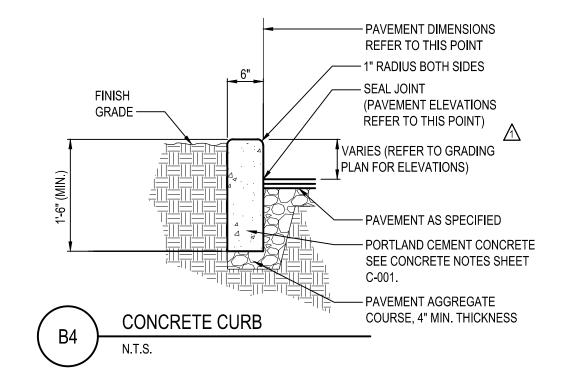




SUBGRADE

- CONTRACTOR SHALL INSTALL 1/2" PRE-FORMED EXPANSION JOINT MATERIAL AND JOINT SEALER WHERE PAVEMENT ABUTS BUILDING.
- 2. FIBER MAY BE USED IN PLACE OF STEEL REINFORCEMENT, SEE CONCRETE NOTES SHEET C-001.





520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

	DATE	REMARKS
Λ	02.18.21	SITE PLAN REVIEW 1 COMMENTS
	05.13.22	NTP
	05.19.22	ISSUED FOR BID

CONTRACT DATE: 01.17.22 **BUILDING TYPE:** END. 2.0 PLAN VERSION: JANUARY 2022 **BRAND DESIGNER:** SITE NUMBER: 315420 457313 STORE NUMBER

PA/PM: DRAWN BY. JOB NO.: 2021088.46

JN

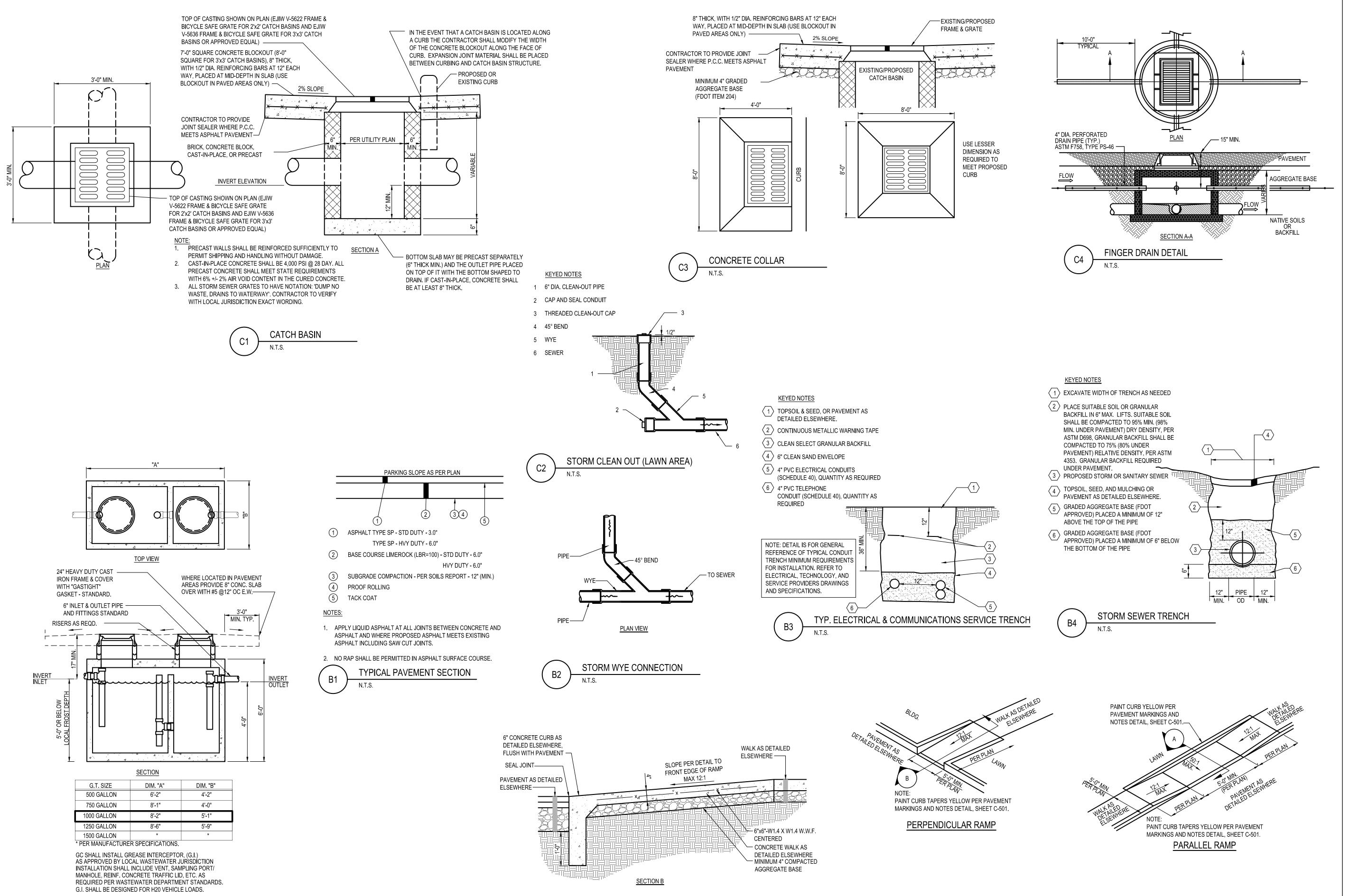
TACO BELL

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0

DETAILS



ADA ACCESSIBLE RAMP

EXTERIOR GREASE INTERCEPTOR

GPD GROUP, INC.®

520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

DATE REMARKS

05.13.22 NTP

05.19.22 ISSUED FOR BID

CONTRACT DATE: 01.17.22

BUILDING TYPE: END. 2.0

PLAN VERSION: JANUARY 2022

BRAND DESIGNER:

315420

457313

2021088.46

JN

BRAND DESIGNER:
SITE NUMBER:

STORE NUMBER:
PA/PM:
DRAWN BY.:

JOB NO.:

TACO BELL

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



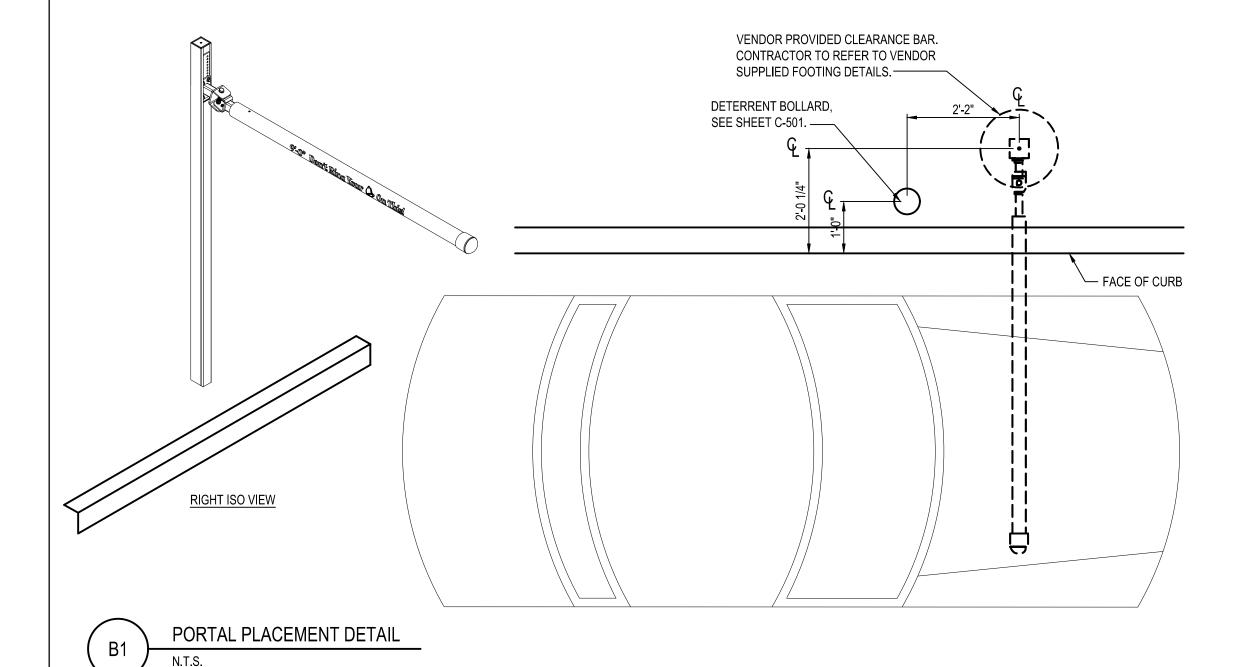
ENDEAVOR 2.0

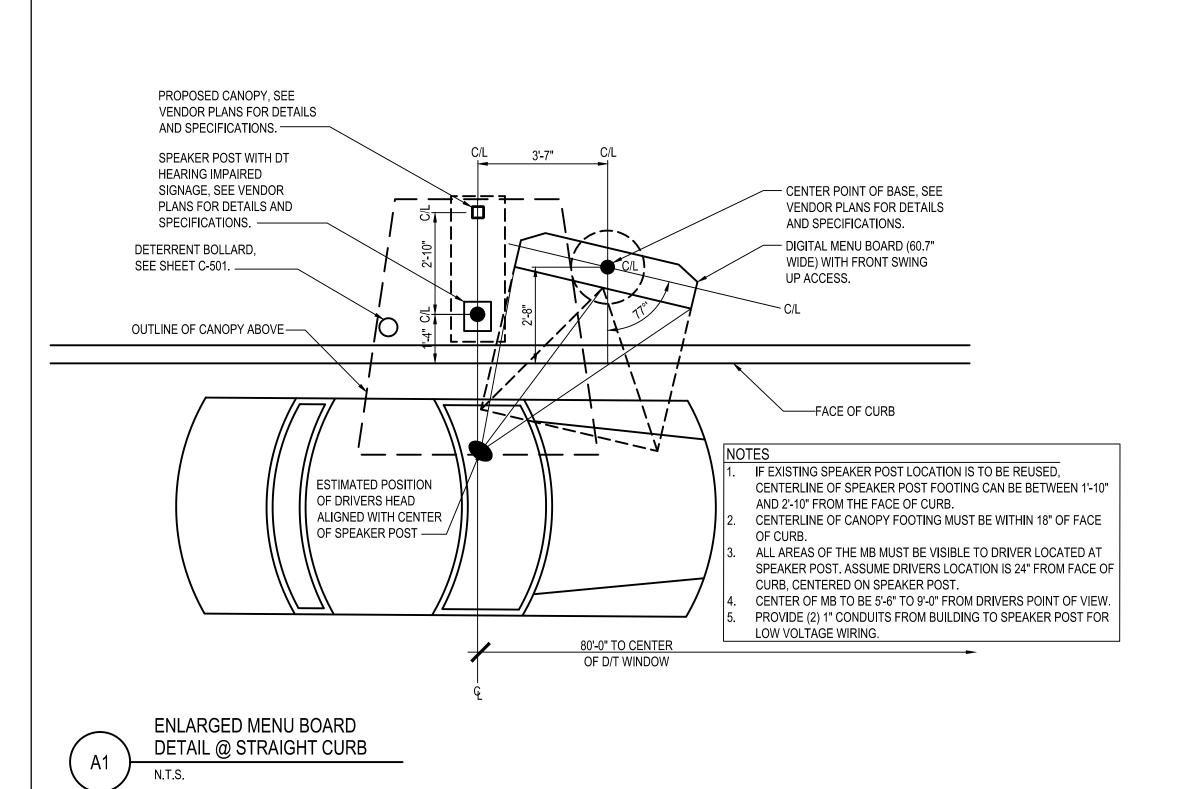
DETAILS

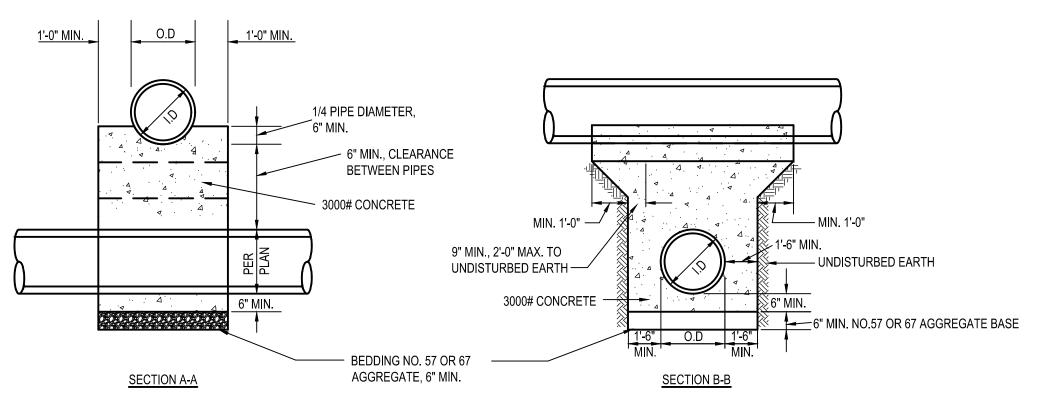
C-502



520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101







CONCRETE ENCASEMENT MONOLITHIC CRADLING OF UPPER PIPE FOR CROSSINGS WITH LESS THAN 18" MINIMUM CLEARANCE

N.T.S.

" CONDUITS, SEE CONDUIT AN	NCHOR PLATE SUPPLIED ND INSTALLED BY MENU DARD VENDOR/ INSTALLER.
CONDUIT SCHEDULE DEVICE POWER DATA DIRECTIONAL (1) 3/4" - SPEAKER POST (1) 1" (1) 1" MENU BOARD (1) 1" (2) 1" PREVIEW BOARD (1) 1" (2) 1"	BOLT PATTERN SHOWN IS AN EXAMPLE. CONTRACTOR SHALL OBTAIN ANCHOR BOLT TEMPLATE FROM MENU BOARD VENDOR/ INSTALLER PRIOR TO INSTALLING CONDUITS AND ANCHOR BOLTS.
OPTIONAL) IOTE: ALL CONDUIT TO BE MIN. 12" EELOW GRADE OR LOCAL ROST DEPETH AND PROJECT "ABOVE FOUNDATION.	
FOUNDATION CONDUIT DETAIL N.T.S.	CONTRACTOR TO REFER TO MENU BOARD VENDOR'S PERMITTED PLANS FOR FOOTING DETAILS AND SPECIFICATIONS. MENU BOARD VENDOR SHALL PROVIDE SHALLOW FOUNDATION PER SPECIFIC LOCATION, SEE SITE PLAN FOR MORE INFORMATION.

	DATE	REMARKS					
	05,13,22	NTP					
	, , , , , , , , , , , , , , , , , , ,						
	05.19.22	ISSUED FOR BID					

CONTRACT DATE: 01.17.22
BUILDING TYPE: END. 2.0
PLAN VERSION: JANUARY 2022
BRAND DESIGNER:
SITE NUMBER: 315420
STORE NUMBER: 457313
PA/PM: JN
DRAWN BY.: EA

TACO BELL

2021088.46

JOB NO.:

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0

DETAILS

C-503

WATER
CITY OF LERMONT
VIILLINES DÉPARTMENT
PROGRESS ENERGY
P.O. BOX 120069
685 WEST MONTROSE STREET
CLERMONT, F.J. 34711
(800) 432–4770
(801) 432–4770 GAS LAKE APOPKA NATURAL GAS DISTRICT 676 W. MONTROSE STREET CLERMONT, FL 34711 (352) 394-3480 (800) 432-4770 TELEPHONE EMBARQ 260 CITRUS TOWER BLVD. CLERMONT, FL 34711 (800) 672-6242

2. RECORD DRAWING DATA TO BE UPLOADED WILL INCLUDE ONLY NEW CONSTRUCTION AND CARE WILL BE TAKEN TO EXCLUDE ANY "EXISTING" FACILITIES FROM THIS DATASET SO AS TO NOT DUPLICATE INFORMATION IN THE GIS SYSTEM. EXISTING DATA CAN BE INCLUDED IN THE DRAWING BUT SHOULD RESIDE ON SEPARATE LAYERS. IT IS RECOMMENDED THAT THE PRETIX "EX-" BE ADDED TO THE LAYERS OF ALL EXISTING DATA.

3. THE FOLLOWING ARE FILE FORMAT AND LAYER NAME STANDARDS:

b) A FILE NAMED COVERSIFIED TOWN ONLY THE FOLLOWING 5 LAYERS VISIBLE:

-LAYER NAMED LOT SUBJECT ONLY THE FOLLOWING 5 LAYERS VISIBLE:
-LAYER NAMED AND DIT NUMBERS
-LAYER NAMED AND DIT NUMBERS
-LAYER NAMED AND DIT NUMBERS
-LAYER NAMED AND STRONING ALL RIGHTS-OF-WAYS
-LAYER NAMED COVERSIFIED TOWN SHOWN ONLY THE FOLLOWING 3

A FILE NAMED AND STRONING ALL EDGE OF PAREMENTS
-LAYER NAMED WATERULES SHOWN ONLY THE FOLLOWING 3

LAYERS VISIBLE:
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULES SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULS SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAMED WATERULS SHOWN OF DIFFERIT PIPE SIZES, WATER METERS, AND HYDRANTS
-LAYER NAM

LAYER NAMED REUSEMATER AND ALL APPROPRIATE FEATURES

- LAYER NAMED SEWER AND ALL APPROPRIATE FEATURES

e) FILE NAMED GRADING, DEMANGE, DAY THE FOLLOWING 2

LAYER'S VISIBLE

- LAYER NAMED STORMANTER AND ALL APPROPRIATE FEATURES

- LAYER WHILE STORMANTER AND ALL APPROPRIATE FEATURES IF APPLICABLE, A FILE NAMED OFF_SITE_UTILITIES.DWG INCLUDE ANY OTHER FILES PERTINENT TO THE PROJECT (SURVEY, DETAILS, X—REFS ETC.)

PERMITS AND PERMIT REQUIREMENTS

THE CONTRACTOR SHALL DETAILS OWNER COPIES OF ALL REQUILATORY AND LOCAL AGENCY PERMITS.

THE CONTRACTOR SHALL DETAILS OWNER COPIES OF ALL REQUIREMENTS. AND LIMITATIONS SET

FORTH IN THE PERMITS. A COPY OF THE PERMIT SHALL BE KEPT ON THE JOB AT ALL TIMES.

PAVEMENT AND/OR ROAD AND RIGHT—OF—WAY WORK

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

OWNER /OPERATOR

QUALITY CONTROL TESTING REQUIREMENTS
ALITESTING RESULTS SHALL BE PROVIDED TO THE OWNER/OPERATOR, CITY OF CLERMONT, AND THE
ENGINEER. TESTING REQUIREMENTS ARE TO BE IN ACCORDANCE WITH THE OWNER/OPERATOR'S
SPECIFICATIONS AND REQUIREMENTS. ALL TEST RESULTS SHALL BE PROVIDE (PASSING AND FAILING) ON A
REQUIAR AND IMMEDIATE BASIS. CONTRACTOR SHALL PROVIDE TESTING SERVICES THROUGH A FLORIDA
LICENSED GEOTECHNICAL ENCNEERING FIRM ACCEPTABLE TO THE OWNER AND THE ENGINEER. CONTRACTOR
TO SUBMIT TESTING FIRM TO OWNER FOR APPROVAL PRIOR TO COMMENCING TESTING.

WETLAND PROTECTION
THE LIMITS OF THE ON-SITE WETLANDS HAVE BEEN PROWDED TO THE CONTRACTOR ON THE CONSTRUCTION PLANS OR ON PERMIT MATERIALS. THE WETLANDS ARE TO BE PROTECTED FROM DISTURBANCE AT ALL TIMES, CONTRACTOR SHALL BE PROVIDED RESIDENT MESSARES PROPAR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL DETAIN A COPY OF EACH PERMIT RELATING TO WEILANDS AND WATER MANAGEMENT AND ADHERE TO ALL PROVISIONS AND CONDITIONS THERETO.

PAVEMENT MARKINGS AND SIGNAGE SHALL BE PROVIDED AS SHOWN ON THE CONSTRUCTION PLANS AND SHALL BEEN THE RECURRENCYST OF THE ROBINER/OPERATOR. SIGNAGE SHALL BE IN CONFORMANCE WITH PROVIDED PRIOR TO A PEPILOATION OF THE PAVEMENT LIMINES, THE WILL BE PROVIDED PRIOR TO A PEPILOATION OF THE PAVEMENT LIMINES, THE WILL BE PROVIDED PRIOR TO A PEPILOATION OF THE PAVEMENT LIMINES, THE WILL BE PROVIDED PRIOR TO A PEPILOATION OF THE PAVEMENT LIMINES, THE RECURRENCY THE RECURRENCY OF THE PAVEMENT LIMINES, THE CONFORMANCE WITH PROVIDED PRIOR TO A PEPILOATION OF THE PAVEMENT LIMINES, THE CONFORMANCE WITH PROVIDED PRIOR TO A PEPILOATION OF THE PAVEMENT LIMINES, THE CONFORMANCE WITH PROVIDED PRIOR TO A PEPILOATION OF THE PAVEMENT LIMINES.

TREE REMOVAL
THE CONTRACTOR SHALL NOTRY THE OWNER AND THE ENGINEER WHEN ALL WORK IS LAID OUT (SURVEY STAKED), SO THAT A DETERMINATION MAY BE MADE OF SPECIFIC TREES TO BE REMOVED. NO TREES ON THE CONSTRUCTION PLANS AS BEING SAVED SHALL BE REMOVED WITHOUT PERMISSION FROM THE OWNER, ENGINEER AND THE CITY OF CLERMONT.

NO BURN PERMITS (INCLUDING THOSE FOR LAND CLEARING) WILL BE ISSUED IN THE CITY OF CLERMONT WITHOUT PRIOR AUTHORIZATION FROM THE CITY MANAGER.

2) ALL MATERIALS EXCAVATED SHALL REMAIN THE PROPERTY OF THE OWNER AND SHALL BE STOCKPILED AT ON-SITE LOCATIONS AS SPECIFIED BY THE OWNER. MATERIALS SHALL BE STOCKPILED SEPARATILEY AS TO USABLE (MONORGANIC) PILL STOCKPILES AND ORGANIC (MUCK) STOCKPILES IF MUCK IS ENCOLUTERED. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL OF ALL UNSUTRABLE THE MATERIALS FROM THE SITE. ALL CLAY ENCOLUTERED SHALL BE EXCAVATED OUT AND REPLACED WITH CLEAN GRANULAR FILL MATERIALS FOR THE ENTITY THAT WILL OWN, OPERATE AND MAINTAIN TH

LAYOUT AND CONTROL

UNLESS OTHERWISE MOTED ON THE PLANS, THE CONTRACTOR SHALL PROVIDE FOR THE LAYOUT OF ALL THE WORK TO BE CONSTRUCTION SHALL BE BECHEVED BENCHMARK INFORMATION SHALL BE PROVIDED TO THE CONTRACTOR PTHE CONTRACTOR SHALL BE REQUESTED TO MEET ALL THE WORK TO BE CONSTRUCTION. AND INCREMENTS AND CONSTRUCTION PLAN INFORMATION SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IMMEDIATELY.

EARTHWORK QUANTITIES
THE CONTRACTOR SHALL PERFORM HIS OWN INVESTIGATIONS AND CALCULATIONS AS NECESSARY TO ASSURE CONTRACTOR SHALL BET OF REMOVED AND THAT EARTHWORK BULANCES, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY IMPORT FILL NEEDED, OR FOR REMOVAL AND DISPOSAL OF EXCESS MATERIALS.

PAVEMENT SECTION REQUIREMENTS

(LIRR) 40 COMPACTED TO THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF 98% PER ASSITO T-180, 6° OF LIMEROCK BASE COURSE, (LIRR) 100, COMPACTED TO THE MODIFIED PROCTOR MAXIMUM DRY DENSITY OF 98% PER ASSITO T-180 AND 2" TYPE 5-111 OF RECYCLED ASPHALITIC CONCRETE WITH A IMMIMUM STABILITY OF 1500 LBS. SUBBRINGED PREPARATION AND PAREMENT INSTALLATION SHALL CONFORM TO FDOT STANDARDS AND SOILS REPORT RECOMMENDATIONS.

TRAFFIC CONTROL

AN MOT PLAN SHALL BE SUBMITTED TO THE INSPECTOR PRIOR TO COMMENCEMENT OF WORK. A MINIMUM OF 2-WW, ONE LANE TRAFFIC SHALL BE MAINTAINED IN THE WORK SITE AREA. ALL CONSTRUCTION WARRING SIGNAGE SHALL BE IN PLACE PRIOR TO COMMENCEMENT OF CONSTRUCTION AND BE MAINTAINED FOR THE THROUGHOUT CONSTRUCTION. ACCESS SHALL BE CONTINUOUSLY MAINTAINED FOR ALL PROPERTY OWNERS SURROUNDING THE WORK SITE AREA. LIGHTED WARNING DEVICES ARE TO BE OPERATIONAL PRIOR TO DUSK EACH NIGHT DURING CONSTRUCTION.

OWNER/OPERATOR

THE DRITTY THAT WILL DWN, OPERATE AND MAINTAIN THE WATER SYSTEM SHOWN ON THESE PLANS IS CITY
OF OLDERBOLF, THE CONTROLOGY SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY ASHTO T—180 UNDER
OFF OLDERBOLF, THE CONTROLOGY SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY ASHTO T—180 UNDER
OFF OLDERBOLF, THE CONTROLOGY SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY ASHTO T—180 WITH 12" MAXIMUM LIFT THICKNESS. SEE PIPE
TEXAL DATE OF THE CONTROLOGY SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY ASHTO T—180 WITH 12" MAXIMUM LIFT THICKNESS. SEE PIPE
TEXAL DATE OF THE CONTROLOGY SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY ASHTO T—180 WITH 12" MAXIMUM LIFT THICKNESS. SEE PIPE
TEXAL DATE OF THE CONTROLOGY SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY ASHTO T—180 WITH 12" MAXIMUM LIFT THICKNESS. SEE PIPE
TEXAL DATE OF THE CONTROLOGY SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY ASHTO T—180 WITH 12" MAXIMUM DENSITY AS DETERMINED BY ASH LANDSCAPING
PROVIDE MINIMUM 5' SEPARATION FROM UTILITIES AND TREES WITH INVASIVE ROOT SYSTEMS.

PIPE MATERIALS
SHOP DRAWINGS SHALL BE SUBMITTED FOR ALL CITY INFRASTRUCTURE TO BE CONSTRUCTED, WATER
SYSTEM SHOP DRAWINGS SHALL BE SUBMITTED TO THE ENGINEER AND SHALL MEET CITY SPECIFICATIONS. POLYVINYL CHLORIDE PLASTIC PIPE (PVC) 4" THROUGH 12" SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA C900 (LATEST EDITION) AND SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI DUCTILE IRON PIPE (DIP) SHALL BE STANDARD PRESSURE CLASS 350 IN SIZES 4" THROUGH 12" AND CONFORM TO ANSJ/AWWA C150/A21.50 (LATEST EDITION). ALL DUCTILE IRON PIPE SHALL HAVE A STANDARD THICKNESS OF CEMENT MORTAR LINING AS SPECIFIED IN ANSJ/AWWA C104/A21.4 (LATEST EDITION). PIPE JOINTS SHALL BE OF THE PUSH-ON RUBBER GASKET TYPE CONFORMING TO ANSJ/AWWA C111/A21.11 (LATEST EDITION). ALL PRESSURE PIPE UNDER ROADWAY SHALL BE DIP EXTENDING 5' FROM EDGE OF PAVEMENT.

3" METALLIC LOCATOR TAPE WITH LOCATOR WIRE SHALL BE INSTALLED ON ALL WATER MAINS PER DETAIL.

GENERAL DESIGN INTENT
ALL PAYING SURFACES IN INTERSECTIONS AND ADJACENT SECTIONS SHALL BE GRADED TO DRAIN POSITIVELY
IN THE DIRECTION SHOWN BY THE FLOW ARROWS ON THE PLANS AND TO PROVIDE A SMOOTHLY
STEP OR REVERSE CROSS SLOPES, APPROACHES TO INTERSECTIONS AND SHIRANCE AND NO UNUSUALLY
STEP OR REVERSE CROSS SLOPES, APPROACHES TO INTERSECTIONS AND SHIRANCE AND IN UNUSUALLY
STEP OR REVERSE CROSS SLOPES, APPROACHES TO INTERSECTIONS AND SHIRANCE AND IN UNUSUALLY
STEPS OR REVERSE CROSS SLOPES, APPROACHES TO INTERSECTIONS AND SHIRANCE AND IN UNISUALLY
GRADES TO ACCOMPLISH THE PURPOSES OUTLINED. IN ADDITION, THE STANDARD CROWN WILL HAVE TO BE
CHANGED IN GODE TO DRAIN POSTITELY IN THE AREA OF INTERSECTIONS. IT IS THE CONTRACTOR'S
RESPONSIBILITY TO ACCOMPLISH THE ADDITION OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTION TO
ACCOMPLISH THE INTENT OF THE PLANS.

PIPE MATERIALS CONT.

PIPE MATERIALS CONT.

PIPE SIZES GREATER THAN 12" BE SEPARATELY SPECIFED ON THE PLANS; WITH THICKNESS CLASSES TO
BE SHOWN BASED ON WORKING PRESSURES, PIPE DEPTH AND TRENCH CONDITIONS, FITTINGS FOR DUCTILE
IRON PIPE AND PIVE C-900 PIPE SHALL BE DUCTILE IRON AND SHALL CONFORM TO ANSI/AWWA
COMPLISH THE INTENT OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTION TO
ACCOMPLISH THE INTENT OF THE PLANS.

PIPE MATERIALS CONT.

PIPE MATERIALS CONT.

PIPE MATERIALS CONT.

PIPE MATERIALS CONT.

PIPE SIZES GREATER THAN 12" BE SEPARATELY SPECIFED ON THE PLANS; WITH THICKNESS CLASSES TO
BE SHOWN BASED ON WORKING PRESSURES, PIPE DEPTH AND TRENCH CONDITIONS, FITTINGS FOR DUCTILE
IRON PIPE AND POWE C-900 PIPE SHALL BE DUCTILE IRON AND SHALL CONFORM TO ANSI/AWWA
CONTACT IN A PROPERTY OF THE PLANS OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTION TO
ACCOMPLISH THE INTENT OF THE PLANS OR GIVE SUPPLEMENTARY INSTRUCTION TO
ACCOMPLISH THE INTENT OF THE PLANS.

REQUIREMENTS OF ANSJASTM D1248. THE MINIMAM NOMINAL THICKNESS SHALL BE 0.008 IN. (8 MILS).
INTERCLUTION OF POLY WRAP SHALL BE IN ACCORDANCE WITH ANWA C105. TRANSMISSION MAIN SHALL BE DIF RATED FOR 250 PSI. VALVES
CATE VALVES SHALL BE RESILENT SEAT AND SHALL CONFORM TO ANS/AWWA C509.87 WITH HANDWHEEL
OR WRENCH NUT, EXTENSION STEMS AND OTHER APPURTEMANCES AS REQUIRED (OPERATION NUT TO BE
WITHIN 3 FEET OF FINISH GRADE), MANUFACTURER'S CERTIFICATION OF THE VALVES COMPLIANCE WITH
AWWA SPECIFICATION C509 AND TESTS LISTED THEREIN WILL BE REQUIRED. SEE CITY OF CLERMONT
APPROVED PRODUCT LIST.

VALVE BOXES

VALVE BOXES ON BURIED POTABLE WATER MAINS SHALL BE ADJUSTABLE, CAST IRON CONSTRUCTION, WITH
MINIMUM INTERIOR DAMETER OF 5" WITH COVERS CAST WITH THE INSCRIPTION IN LEGIBLE LETTERING ON
TOP: WATER, BOXES SHALL BE SUITABLE FOR THE APPLICABLE SHAFACE LOADING AND VALVE SIZE, AND
SHALL BE MANUFACTURED BY MUBLIER COMPANY, MODEL 10384, OR APPROVED EQUAL VALVE BOX PADS

SHALL BE MANUFACTURED BY MUBLIER COMPANY, MODEL 10384, OR APPROVED EQUAL VALVE BOX PADS

SHALL BE MANUFACTURED BY MUBLIER COMPANY, MODEL 10384, OR APPROVED EQUAL VALVE BOX PADS

GENERAL NOTES AND DETAILS REVISED 4-11-2016

ALL PIPE AND PIPE FITTINGS SHALL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUB- PARAGRAPH ALL PIPE AND PIPE FITTINGS SHALL BE COLOR CODED OR MARKED IN ACCORDANCE WITH SUID—PARAGRAPH AS 25-553.02(1)(1)(5), F.A.C., UNION BILE AS A PRECOMMENT COLOR (AUDICIDADED PLASTE PIPE) AND PLASTE PIPE SHALL BE SOLD—WALL BLUE PIPE, SHALL HAVE A CO-EXTRUDED BLUE EXTERNAL SKIN OR SHALL BE WHITE OR BLUCK PIPE WITH BLUE STREPS INCORPORATED ID. THE PIPE WILL PIPE STREPD DURING META, OR CONCRETE PIPE SHALL HAVE BLUE STREPS APPLIED TO THE PIPE WALL PIPE STREPD DURING MAILT AND LANGE PIPE SHALL HAVE BLUE STREPS APPLIED TO THE PIPE WALL PIPE STREPD DURING WITH PIPE SHALL HAVE BLUE STREPS APPLIED TO THE PIPE WALL PIPE STREPD DURING WITH PIPE SHALL HAVE BLUE STREPS APPLIED TO THE PIPE WALL PIPE STREPD DURING MOSTALLATION OF THE PIPE SHALL HAVE BLUE STREPS APPLIED TO STREP PIPE PIPE PIPE SHALL HAVE BLUE STREPS APPLIED TO OFTEN PIPE. IN TAKE LOCATED AT NO GREATER THAN 90-DEGREE INTERNALS AROUND THE PIPE, AND THAT WILL PIPE STREP PIPE PIPE PIPE PIPE PIPE AND THAT IS USED TO STREP PIPE PIPE PIPE PIPE AND THAT IS USED TO STREP PIPE PIPE PIPE PIPE AND THAT IS USED TO STREP PIPE AND THAT IS USED TO STREP PIPE PIPE AND THAT IS USED TO STREP PIPE PIPE AND THAT IS USED TO STREP PIPE AND THAT

DISINFECTION AND TESTING
ALL PIPE SHALL BE DISINFECTED IN ACCORDANCE WITH AWWA STANDARD C651.86. THE CONTRACTOR SHALL PROVIDE AT HIS OWN EXPENSE ALL NECESSARY TEST PUMPING EQUIPMENT, WATER, WATER METERS, PRESSURE CAUGES AND OTHER EQUIPMENT, MATERIAL AND FACILITIES REQUIRED FOR ALL HYDROSTATIC AND LEMAGE TESTING. CONTRACTOR SHALL CONTROL THE ENGINEER, OWNEY/OPERATOR AND CITY IN WRITTEN FORM, FORTY EIGHT (49) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SMISTSACTORY PRETESTING PRIOR TO MOTIFICATION.

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.

 HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION WHICH DEVIATES FROM THE APPROVED ENGINEERING PLANS. SANITARY SEWER NOTES

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

MAINS AND MANHOLES 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.

NOMES FOR INSIDE DIAMETER OF PUNK (4) FEEL.

6. MANHOLES SHALL MEET ASTIN C-478. RING AND COVER SHALL BE TRAFFIC BEARING H-20 CLASS 30
MEETING ASTIM 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.

AN APPROVED PROTECTIVE COAL TAR EPOXY.

AN APPROVED PROTECTIVE COAL TAR EPOXY.

WATER METERS SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITED WITH A DISTRICT BY PARKED BY A 3" METALLIC LOCATOR TAPE AND UNITLINES DEPARTMENT.

CONNECTION. THE CORPORATION SHOP CENTRAL OF THE CONTECTION AND ASSOCIATED BACK FLOW THE CONTRACTOR.

WATER METERS SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE TRACKED WITH A THE RESPONSIBILITY OF THE CONTRACTOR.

WATER METERS SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER METERS SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER METERS SHALL BE PAD FOR AT THE CITY HALL AND SHALL BE DELIVERED TO THE JOB SITE BY THE UNITLINES. SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

WATER METERS SHALL BE PAD FOR AT THE CITY

8. ALL MAIN'S 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 WIRER MAIN. A CONTINUOUS COPPER DETECTOR WIRE SHALL BE ATTACHED AS SHOWN ON THE WATER DETAIL SHEET. 10. NO DROP SHALL BE GREATER THAN 15 FEET.

1. ALL SERVICE LATERALS SHALL TERMINATE WITH A 4" CLEAN-OUT AT THE PROPERTY LINE, AND AT A DEPTH TO FINAL GRODE OF 3 FEET. SEED 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'.

5" METALLIC LOCATOR TAPE SHALL BE DURSED IN THE WATER MAIN TRENCH 18" DIRECTLY ABOVE THE WATER MAIN TRENCH 18" DIRECTLY 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.

B. ALL SEWER MAINS AND LATERALS SHALL BE VIDEO INSPECTED BY A CITY APPROVED VENDOR.

ADEQUATE RESTRAINTS SHALL BE PROVIDED TEMPORARILY, AS REQUIRED. EXTERIOR OF ALL WATER MANS SAHL 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 DEPARTED ONLY BY THE CITY AND PRESSURE TESTED IN THE PRESSURE OF THE CITY AND ENGINEER TO VERBY WATER TIGHTNESS PRIOR TO TE-INI. VALVES WHICH ARE NOT WATER CITY AND ENGINEER TO VERBY WATER TIGHTNESS PRIOR TO TE-INI. VALVES WHICH ARE NOT WATER CITY AND ENGINEER TO VERBY WATER TIGHTNESS PRIOR TO TE-INI. VALVES WHICH ARE NOT WATER CITY AND ENGINEER TO VERBY WATER TIGHTNESS PRIOR TO TE-INI. VALVES WHICH ARE NOT WATER CITY AND ENGINEER TO VERBY WATER TIGHTNESS PRIOR TO TE-INI. VALVES WHICH ARE NOT WATER CITY OF THE STEED OF THE SITE OF THE CITY AND ENGINEER SUPPLY CONNECTION. SUCH AS SUPPLY CONNECTION WATER CITY FIRE DEPARTMENT OF THE SUBMITTED PLANS.

3. FIRE MAINS WILL BE SEPRARATELY PREMITTED AND INSPECTED BY THE CITY FIRE DEPARTMENT.

1. Flushing shall not be attempted during peak demands of the essiting with the city opening the ine-many values in the new system must be open prior to the city opening the ine-m value. TIE-IN YALYE.

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 YALVE SHALL BE OPENED BY THE CITY A FEW TURNS ONLY, ENSURING A PRESSURE DROP ACROSS THE VALVE IS ALWAYS GERETER THAN 10 PSI.

SDRZG PYC PIEM MEETING ASTM A AND SHALL HAZ A MINIMUM COVER OF THREE (3) FEET,

D. THE TIE—IN MAJAS SHALL BE OFFINE ONLY BY THE CITY FOR FLUSHING OF THE NEW WAIN. THE

D. THE ISIN-IN MAJAS SHALL BE OFFINE ONLY BY THE CITY FOR FLUSHING OF THE NEW WAIN. THE

D. THE ISIN-IN MAJAS SHALL BE OFFINE ONLY BY THE CITY FOR FLUSHING OF THE NEW WAIN. THE

D. THE ISIN-IN WAIN. SHALL BE OFFINE ONLY BY THE CITY FOR FLUSHING OF THE NEW WAIN. THE

D. THE ISIN-IN WAIN. SHALL BE OFFINE ONLY BY THE CITY FOR FLUSHING OF THE NEW WAIN. THE

D. THE ISIN-IN WAIN. SHALL BE OFFINE ONLY BY THE CONTROL OF THE NEW WAIN. THE

D. THE ISIN-IN WAIN. SHALL BE OFFINE OFFINE OFFINE OFFINE OFFINE ONLY BY THE CONTROL OFFINE

AND UNDOSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES (4.1m), SHALL BE

D. THE ISIN-IN WAIN. SHALL BE OFFINE ONLY BY THE CITY FOR FLUSHING OF THE NEW WAIN. THE

D. THE ISIN-IN WAIN. SHALL BE OFFINE ONLY BY THE CITY FOR FLUSHING OF THE NEW WAIN. THE

AND UNDOSTRUCTED VERTICAL CLEARANCE OF NOT LESS THAN 13 FEET 6 INCHES (4.1m), SHALL BE

D. THE ISIN-IN WAIN. SHALL BE CLOSED AND LOCKED. IN THE ESSINCE POSITION BY THE CONTROL OFFINE

D. THE ISIN-IN WAIN. SHALL BE OFFINE ONLY BY THE CITY FOR FLUSHING OF THE NEW WAIN. THE PROPER DOCUMENT OF INSTANCE POSITION BY THE CONTROL OFFINE OF THE NEW WAIN. THE PROPE BOOK LOADS OF FIRE APPRACTUS (MINIMUM 32 TONS), AND

SHALL BE PROVIDED WITH A SUPPORT THE IMPOSED LOADS OF FIRE APPRACTUS (MINIMUM 32 TONS), AND

SHALL BE PROVIDED WITH A SUPPORT THE IMPOSED LOADS OF FIRE APPRACTUS (MINIMUM 32 TONS), AND

SHALL BE PROVIDED WITH A SUPPORT THE IMPOSED LOADS OF FIRE APPRACTUS (MINIMUM 32 TONS), AND

SHALL BE PROVIDED WITH A SUPPORT THE IMPOSED LOADS OF FIRE APPRACTUS (MINIMUM 32 TONS), AND

SHALL BE PROVIDED WITH A SUPPORT THE IMPOSED LOADS OF FIRE APPRACTUS (MINIMUM 32 TONS), AND

SHALL BE PROVIDED WITH A SUPPORT THE IMPOSED LOADS OF FIRE APPRACTUS (MINIMUM 32 TONS), AND

SHALL BE PROVIDED WITH A SUPPORT THE IMPOSED LOADS OF FIRE APPRACTUS (MINIMUM 32 TONS), AND

SHALL BE PROVIDED WITH

*** FIRE HYDRANTS

FIRE HORANTS SHALL CORPORN TO THE LATEST EDITION OF AWAY CSO2.85 AND SHALL BE FURNISHED COMPLETE WITH WERDICH AND OTHER APPURITEMANCES. MANUFACTURER'S CERTIFICATION OF COMPLIANCE WITH AWAY CSO2.80 TESTS LISTED THEREIN MILL BE REQUIRED. ALL HYDRANTS SHALL BE BECAMONY 17PF, WITH THE BERCAMONY STATES LISTED THEREIN MILL BE REQUIRED. ALL HYDRANTS SHALL BE BECAMONY 17PF, WITH THE BERCAMONY STATES LISTED THEREIN MILL BE REQUIRED. ALL HYDRANTS SHALL BE WITHOUT SHE NOT THE BERCAMONY STATES LISTED THEREIN MILL BE REQUIRED. ALL HYDRANTS SHALL BE MINISHED OF THE FIRE LANE. AND BE SPACED NO MORE THE WORLD SHAPE TO SHAPE THE WORLD SHAPE THE LANE BY ORDER OF THE FIRE LANE. AND BE SPACED NO MORE THE WORLD SHAPE THE WORLD SHAPE THE LANE BY ORDER OF THE FIRE L

2. A POST-CONSTRUCTION FIRE FLOW TEST SHALL BE CONDUCTED, HORANTS SHALL DELIVER THE REQUIRED OFM PER THE CITY OF CLERMONT LAND DEVELOPMENT REQUIRED WITH A RESDUM PRESSURE OF 20 PSI. CONTRACTOR SHALL NOTIFY CITY OF CLERMONT BECKNEENING DEPARTMENT WHEN INFORMATS ARE READY TO BE FLOW TESTED. FOR FIRE HYDRAMS ARE DEATH OF CLERMONT WITH THE CITY OF CLERMONT CONNECTED TO THE CITY OF CLERMONT, CONNECTED TO THE CITY OF CLERMONT CONNECTED TO THE CITY OF CL

IESTING

1. SEWAGE COLLECTION SYSTEM

A. ALL CRAWITY SEWER MAINS REQUIRE LOW PRESSURE AIR TESTING IN ACCORDANCE WITH THE LATEST

UNI-BELL STANDAMO FOR LOW PRESSURE AIR TESTS. AIR TESTS, AS A MINIAUM, SHALL CONFORM TO

THE TEST PROCEEDURES DESRIBED IN ASTM SPECIFICATIONS, ASTM F1417 FOR PLASTIC PIPE.

SUCH FIRE HYDRANI ON FIRE PROJECTED CLOSER THAN THREE (3) FEET TO OR MODE THAN TWENTY (20)

FEET FROM THE EDGE OF A STREET, DATE OR OTHER ACCESSION, VILLESS OFFICENESE REQUISITED BY THE

FIRE OFFICIAL, THE EDGE OF A STREET, DATE OR OTHER ACCESSION, VILLESS OFFICENESE REQUISITED WITHIN A

COUNTRY DESCRIPTION. THE COUNTRY LATES THE PLASTIC PROJECT TO THE ACCESSION, AND HYDROAD SHALL BE INSTALLED WHERE

ALL CRAWITY SEWER MAINS SHALL NOT BE LOCATED CLOSER THAN THREE (3) FEET TO OR MODE THAN TWENTY (20)

FEET FROM THE EDGE OF A STREET, DATE OR OTHER ACCESSION, VILLESS OFFICENESE REQUISITED BY THE

FIRE OFFICIAL, THE EDGE OF A STREET, DATE OR ONLY, ONLY FOR THE ACCESSION, THE ACCESSION, AND HYDROAD SHALL BE INSTALLED. WHERE

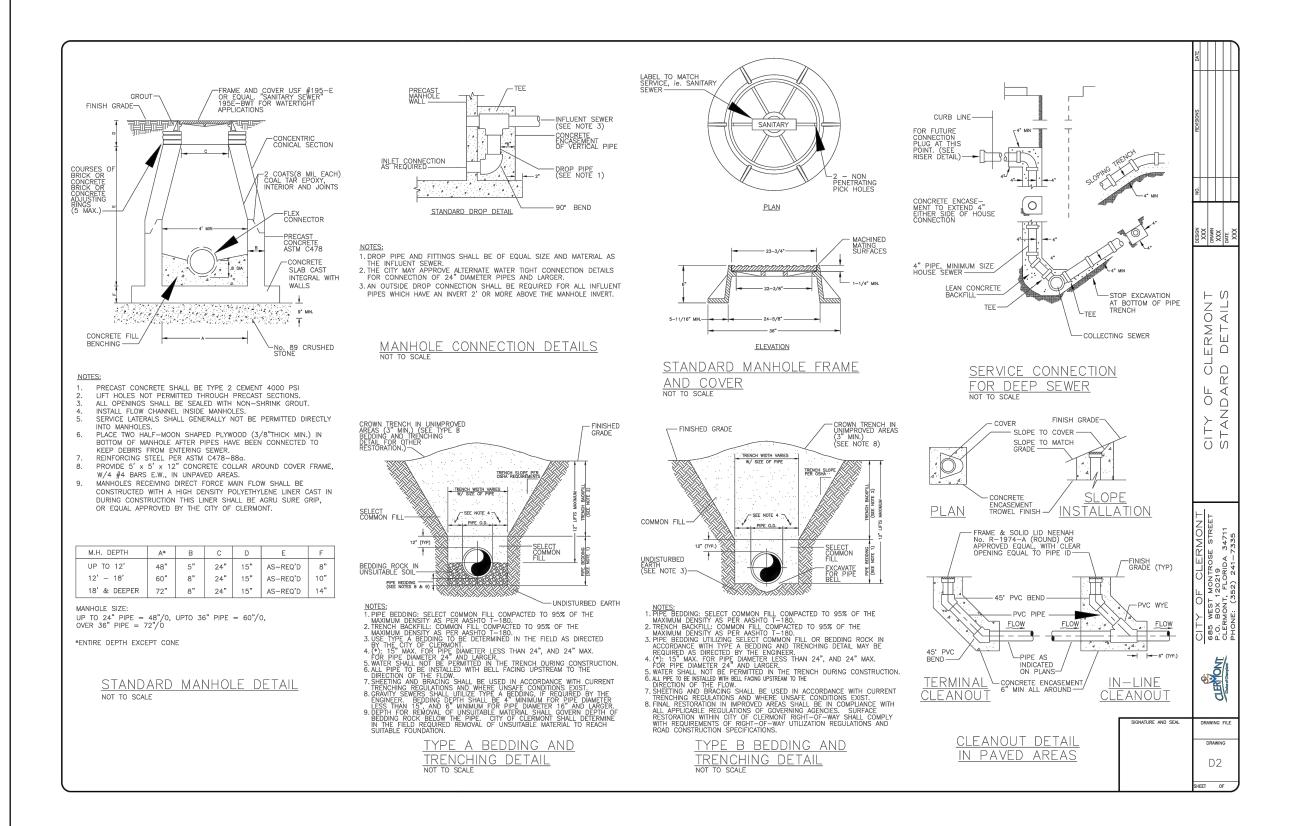
D. THE TIE-IN VALVE SHALL BE OPENED ONLY BY THE CITY FOR FLUSHING OF THE NEW MAIN. THE PROCEEDURE SHALL BE ONCE BY THE CITY AND OBSERVED BY THE ENGINEER.

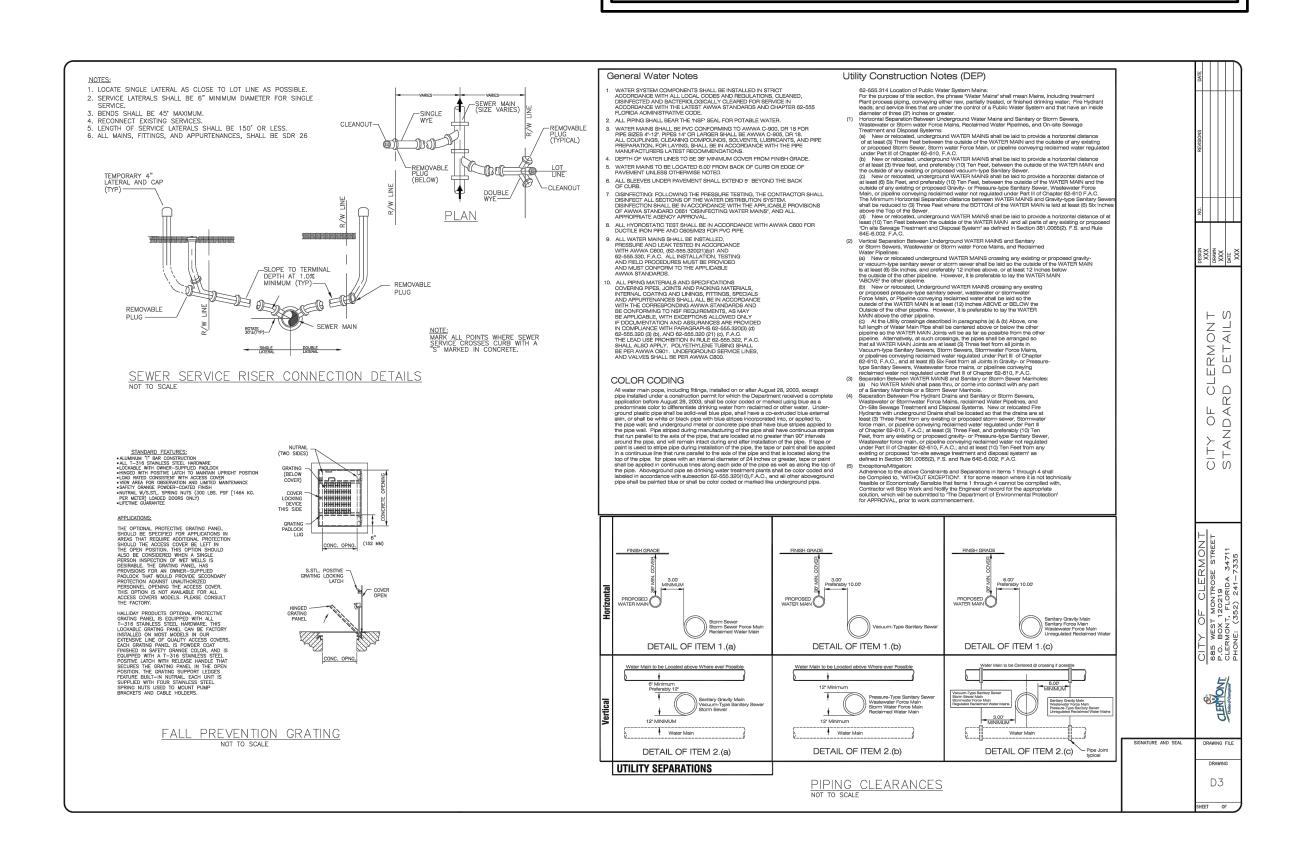
FIRE DEPARTMENT ACCESS ROADS SHALL HAVE AN UNOBSTRUCTED WIDTH OF NOT LESS THAN 20 FEET (6.1 m),

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 CLERIMOTH WILL BE KEYED TO ACCOMMODATE CLERIMOTH FIRE DEPARTMENT'S LOCK BOX KEY. BUILDING OWNERS OR COCUPANTS WILL NOT HAVE A KEY TO THE BOX. THE OWNER OR DEVELOPER SHALL NOTIFY THE FIRE PREVENTION DEPARTMENT AND AN EXAMPLE AFETS THE OWNER OF DEPARTMENT AND AND AN EXCUSION OF THE PROPERTY OF

GENERAL NOTES AND DETAILS REVISED 4-11-2016

This document has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. Any reliance on this stamp shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.







520 South Main Street, Suite 2531 Akron, OH 44311 330.572.2100 Fax 330.572.2101

Site Review CLERMONT 03/17/2022 2:04:25

REFERENCE ONLY

		DATE	REMARKS		
	\bigcirc	02.18.21	SITE PLAN REVIEW 1 COMMENTS		
CONTRACT DATE: 01.17.22					

BUILDING TYPE: END. 2.0 PLAN VERSION: JANUARY 2022 **BRAND DESIGNER** SITE NUMBER: 315420 457313

STORE NUMBER PA/PM: DRAWN BY JOB NO.:

TACO BELL

2021088.46

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0 CITY OF CLERMONT **DETAILS**



POTABLE WATER / FIRE SYSTEMS

THE ENTITY THAT WILL OWN, OPERATE AND MAINTAIN THE WATER SYSTEM SHOWN ON THESE PLANS IS SANLANDO UTILITIES CORPORATION. THE CONTRACTOR SHALL BE EXPECTED TO MEET ALL THE REQUIREMENTS OF THAT ENTITY.

POLYVINYL CHLORIDE PLASTIC PIPE (PVC) 4" THROUGH 12" SHALL BE MANUFACTURED IN ACCORDANCE WITH ANSI/AWWA C900 (LATEST EDITION) AND SHALL HAVE A MINIMUM WORKING PRESSURE OF 150 PSI AND HAVE A DR (DIMENSION RATIO) OF 18. ALL PVC PIPE SHALL BEAR THE NSF LOGO FOR POTABLE WATER. JOINTS SHALL BE OF THE PUSH-ON TYPE AND COUPLINGS CONFORMING TO ASTM D3139 DR18 PIPE.

DUCTILE IRON PIPE (DIP) SHALL BE STANDARD PRESSURE CLASS 350 IN SIZES 4" THROUGH 12' AND CONFORM TO ANSI/AWWA C150/A21.50 (LATEST EDITION). ALL DUCTILE IRON PIPE SHALL HAVE A STANDARD THICKNESS OF CEMENT MORTAR LINING AS SPECIFIED IN ANSI/AWWA C104/A21.4 (LATEST EDITION). PIPE JOINTS SHALL BE OF THE PUSH-ON RUBBER GASKET TYPE CONFORMING TO ANSI/AWWA C111/A21.11 (LATEST EDITION).

PIPE SIZES GREATER THAN 12" IN BOTH PVC AND DUCTILE IRON SHALL BE SEPARATELY SPECIFIED ON THE PLANS; WITH THICKNESS CLASSES TO BE SHOWN BASED ON WORKING PRESSURES, PIPE DEPTH AND TRENCH CONDITIONS.

CONFORM TO ANSI/AWWA C110/A21.10 (LATEST EDITION) AND SHALL BE CEMENT LINED IN CONFORMANCE WITH ANSI/AWWA C104/A21.4 (LATEST EDITION).

POLYETHYLENE WRAP USED FOR CORROSION PREVENTION ON DUCTILE IRON PIPE SHALL CONFORM TO THE REQUIREMENTS OF ANSI/ASTM D1248. THE MINIMUM NOMINAL THICKNESS SHALL BE 0.008 IN. (8 MILS). INSTALLATION OF POLY WRAP SHALL BE IN ACCORDANCE WITH

GATE VALVES SHALL BE RESILIENT SEAT AND SHALL CONFORM TO ANSI/AWWA C509.87 WITH HANDWHEEL OR WRENCH NUT, EXTENSION STEMS AND OTHER APPURTENANCES AS REQUIRED. C509 AND TESTS LISTED THEREIN WILL BE REQUIRED. VALVE BOX PADS SHALL BE 18" X 18" X SHALL BE CLOW, MUELLER, KENNEDY, M&H, AMERICAN DARLING, OR APPROVED EQUAL.

BUTTERFLY VALVES SHALL MEET OR EXCEED THE DESIGN STRENGTH TESTING AND PERFORMANCE REQUIREMENTS OF AWWA C504, CLASS 150. VALVES SHALL BE DUCTILE IRON, RESILIENT SEAT, AND BE MANUFACTURED BY KENNEDY, MUELLER, M&H, AMERICAN DARLING, OR APPROVED EQUAL. BUTTERFLY VALVES TO BE USED FOR MAIN SIZES GREATER THAN 12".

AIR RELEASE VALVES SHALL BE PLACED AT HIGH POINTS OF THE TRANSMISSION MAIN TO PERMIT ESCAPE OF TRAPPED AIR. THE VALVE SIZE, LOCATION, AND METHOD OF INSTALLATION SHALL BE INDICATED ON THE DRAWINGS, OR AS DIRECTED BY THE ENGINEER. AIR RELEASE VALVES SHALL BE CRISPIN PRESSURE AIR VALVE TYPE N, APCO, OR VALVE & PRIMER CORP. OR VAL-MATIC CORPORATION.

ION, WITH A MINIMUM INTERIOR DIAMETER OF 5" WITH COVERS CAST WITH THE INSCRIPTION IN LEGIBLE LETTERING ON THE TOP: WATER. BOXES SHALL BE SUITABLE FOR THE APPLICABLE SURFACE LOADING AND VALVE SIZE, AND SHALL BE MANUFACTURED BY MUELLER COMPANY, MODEL 10364, OR APPROVED EQUAL.

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 OF BREAKABLE TYPE, WITH THE BREAKABLE 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 CONNECTIONS WITH NATIONAL STANDARD FIRE HOSE COUPLING SCREW THREADS. JOINT INLET, ONE AND ONE-HALF INCH (1-1/2") PENTAGON OPERATING NUT, SHALL OPEN DUNTERCLOCKWISE, SHALL BE PAINTED IN CONFORMANCE WITH LOCAL FIRE DEPT. REQUIREMENTS (COLORS BASED ON DELIVERED FIRE FLOW) WITH THE PRIMER PAINT BEING KOPPER'S SLAMORTEX" NO. 622 RUST PRIMER, AND THE FINISH BEING KOPPER'S "GLAMORTEX" AND SHALL BE EITHER MUELLER SUPER CENTURION 250 (TRAFFIC MODEL A-423), OR AMERICAN DARLING B-84-B, NO SUBSTITUTES

. BLUE PAVEMENT REFLECTORS (RPM'S) SHALL BE PLACED IN THE CENTERLINE OF THE DRIVING LANE DIRECTLY IN FRONT OF EACH FIRE HYDRANT

APPROVED BY THE ENGINEER, OWNER/OPERATOR AND LOCAL FIRE OFFICIAL.

. THERE SHALL BE NO TREES, SHRUBS, ETC., PLANTED AROUND THE FIRE HYDRANTS OR

UNLESS OTHERWISE NOTED IN THE PLANS, THE UTILITY COMPANY SHALL PROVIDE AND INSTALL WATER METERS. CONTRACTOR SHALL CONSTRUCT WATER SERVICE THROUGH THE CURB STOP AS SHOWN ON THE CONSTRUCTION PLANS

POLYETHYLENE (PE) PRESSURE PIPE FOR WATER SERVICES 3/4" THROUGH 2" SHALL BE ENDOT, ENDOPURE, BLUE PIPE AND CONFORM TO AWWA C901.88, MIN 200 PSI.

REQUIRED, PE SERVICE PIPE AND CORPORATION STOPS AND METER BOX. THE SERVICE SHALL BE COMPLETE THROUGH THE CURB STOP AS SHOWN ON THE DETAIL SHEET, AND SHALL BE OF THE YPE REQUIRED FOR COMPATIBILITY WITH THE SERVICE LINES SPECIFIED, AND FITTINGS SHALL BE AS

THE CONTRACTOR SHALL STAMP "W" IN THE CURB TOP AT EACH WATER SERVICE AND A "V" AT ALL VALVE LOCATIONS. STAMPED W'S AND V'S SHALL BE HIGHLIGHTED WITH BLUE PAINT. SEE

PIPE INSTALLATION

PIPE INSTALLATION OF PVC WATER MAIN SHALL BE IN CONFORMANCE WITH ASTM D2774 (LATEST EDITION). INSTALLATION OF DUCTILE IRON PIPE WATER MAIN SHALL BE IN CONFORMANCE WITH AWWA C600.87.

COMPACTED BACKFILL SHALL BE TO 98% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 UNDER ALL PAVEMENTS WITH 12" MAXIMUM LIFT THICKNESS. OTHER COMPACTION OF BACKFILL SHALL BE TO 95% MAXIMUM DENSITY AS DETERMINED BY AASHTO T-180 WITH 12" MAXIMUM LIFT THICKNESS. SEE PIPE TRENCHING DETAILS.

MINIMUM COVER OVER ALL PIPE SHALL BE 36" FROM TOP OF PIPE TO FINISHED GRADE. SEE PLAN AND PROFILE SHEETS FOR REQUIRED DEPTH.

WATER MAINS ARE TO BE INSTALLED SO AS TO PROVIDE A MINIMUM VERTICAL CLEARANCE OF 18" OR A MINIMUM HORIZONTAL CLEARANCE OF 10 FEET FROM ALL SANITARY HAZARDS, INCLUDING STORM DRAINAGE PIPES AND STRUCTURES, AS WELL AS SEPTIC TANKS, DRAINFIELDS AND SEWER PIPING. IF CLEARANCE CANNOT BE ACHIEVED, THEN DUCTILE IRON WATER MAIN SHALL BE PROVIDED OR 10 FEET EITHER SIDE OF THE CROSSING OR WATER MAIN SHALL BE CONCRETE ENCASED IF A WATER STORM CROSSING, OR THE SEWER MAIN ENCASED IF A SANITARY SEWER WATER CROSSING.

ALL PLUGS, CAPS, TEES, BENDS, FIRE HYDRANTS, VALVES, ETC., SHALL BE PROVIDED WITH THRUST BLOCKS/RODDED RESTRAINTS. FOR THRUST BLOCK CONSTRUCTION DETAILS, REFER TO THE UTILITY DETAIL SHEET.

PIPE IDENTIFICATION/LOCATION WIRE

BLUE INDICATOR TAPE SHALL BE BURIED IN THE WATER MAIN TRENCH 18" DIRECTLY ABOVE THE NATER MAIN. A CONTINUOUS COPPER DETECTOR WIRE SHALL BE ATTACHED AS SHOWN ON THE WATER DETAIL SHEET.

DISINFECTION AND TESTING

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

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 AND OWNER/OPERATOR IN WRITTEN FORM, SEVENTY-TWO (72) HOURS IN ADVANCE OF PROPOSED TESTING. THE CONTRACTOR SHALL PERFORM SATISFACTORY PRETESTING PRIOR TO NOTIFICATION. TESTING SHALL ONLY BE SCHEDULED ON A TUESDAY, WEDNESDAY OR THURSDAY

ALLOWABLE LEAKAGE FOR PVC PRESSURE MAINS WILL BE IN ACCORDANCE WITH AWWA M23.

THE WATER SYSTEM SHALL BE 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. 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.

THE CONTRACTOR SHALL PROVIDE VERTICAL AND HORIZONTAL "AS-BUILT" INFORMATION RELATIVE TO ALL CONSTRUCTED UTILITIES AND STRUCTURES.

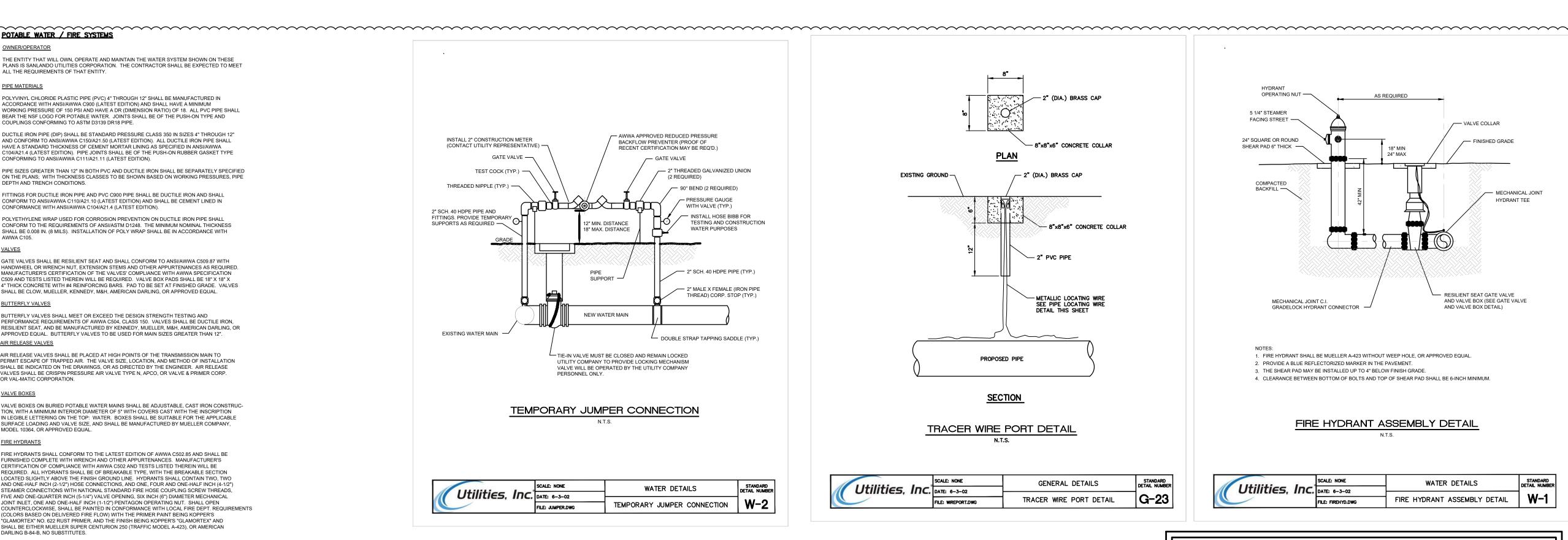
AS-BUILT INFORMATION FOR THE WATER SYSTEM SHALL INCLUDE, BUT NOT BE LIMITED TO, THE

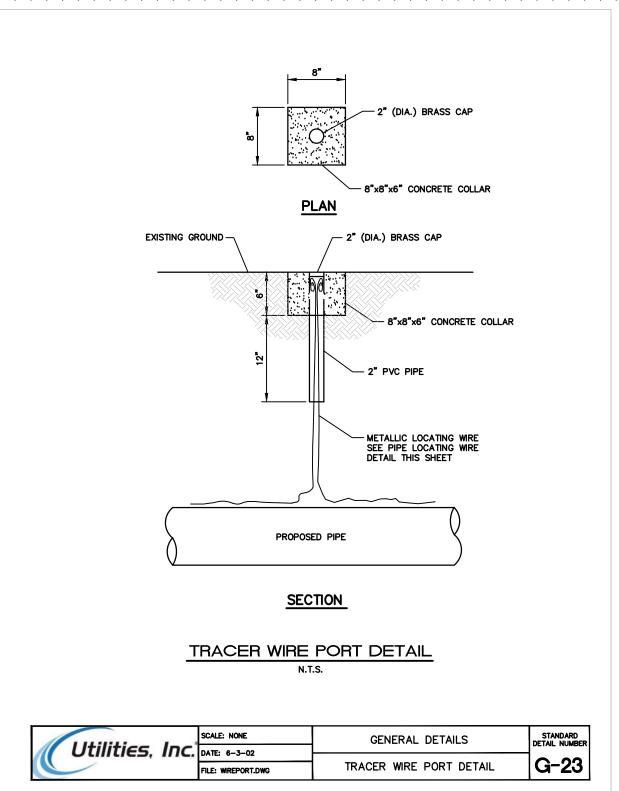
. LOCATION OF ALL VALVES, FITTINGS, HYDRANTS AND SERVICES.

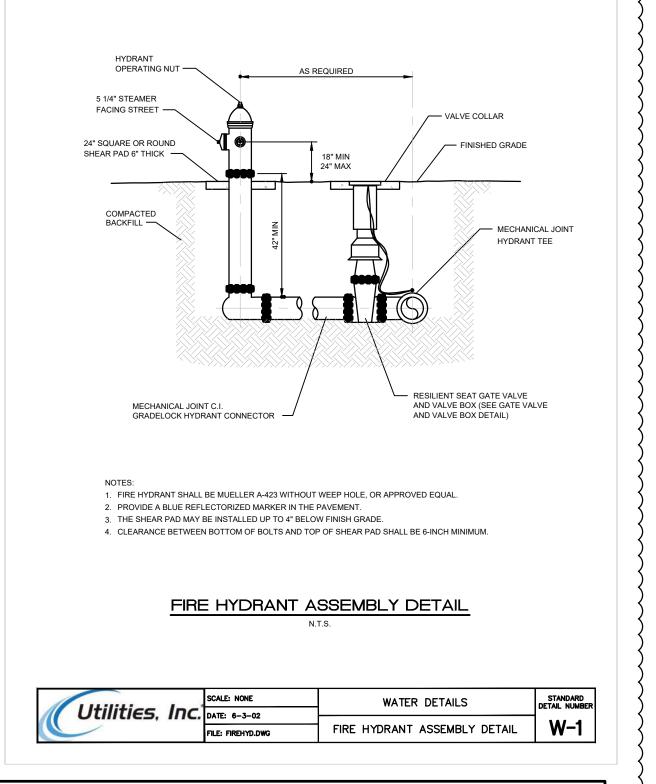
2. LOCATION OF THE WATER MAIN TIED HORIZONTALLY TO THE BACK OF CURB OR EDGE OF

3. CERTIFICATION AS TO THE SYSTEM MEETING THE MINIMUM COVER REQUIREMENTS.

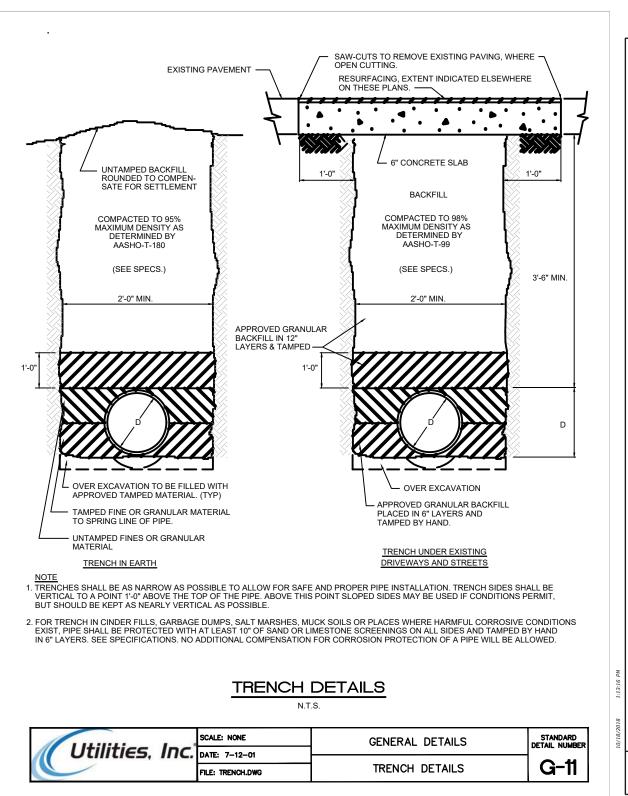
. HORIZONTAL AND VERTICAL DATA FOR ANY CONSTRUCTION WHICH DEVIATES FROM THE

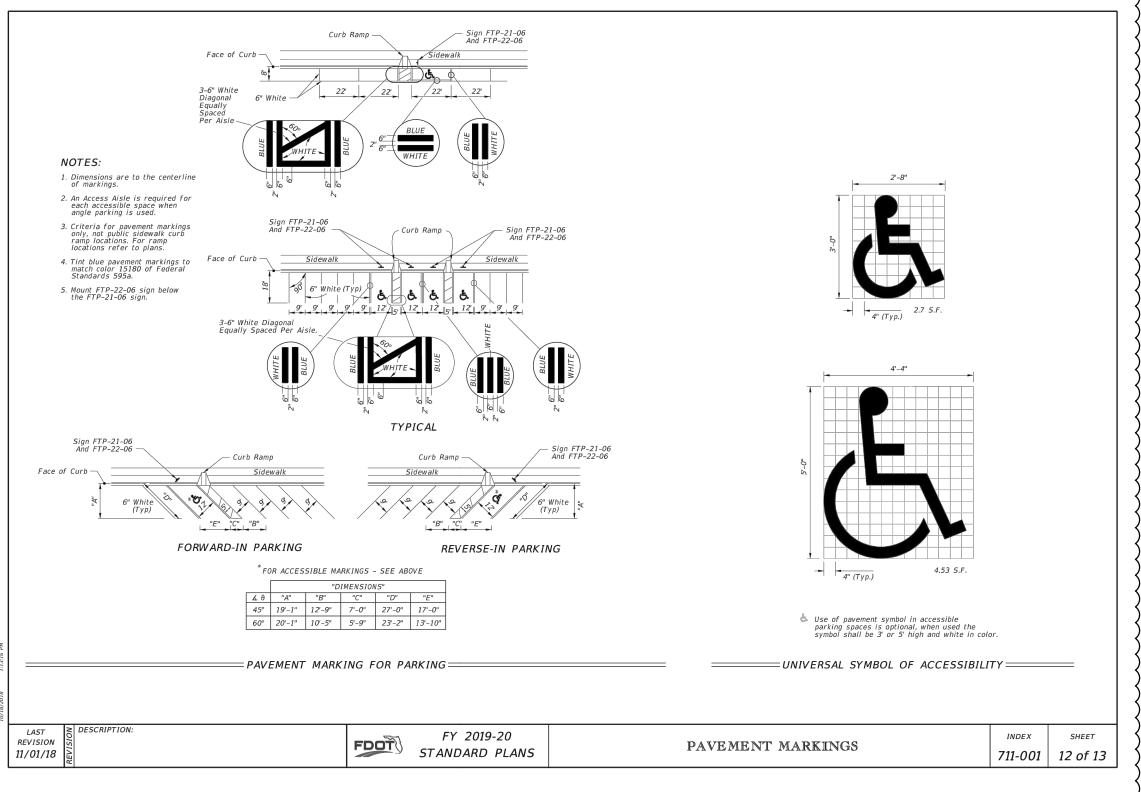






This document has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. Any reliance on this stamp shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.







520 South Main Street, Suite 2531 330.572.2100 Fax 330.572.2101

Site Review 03/17/2022 2:04:25

02.18.21 SITE PLAN REVIEW

С	ON	TRACT DAT	E:	01.17.22
В	UIL	DING TYPE:		END. 2.0
Р	LAN	VERSION:		JANUARY 2022
В	IAS	ND DESIGNE	ER:	

315420

457313

2021088.46

JN

PA/PM: DRAWN BY

SITE NUMBER:

STORE NUMBER

JOB NO.:

TACO BELL

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0 UTILITIES INC. **AND MISC DETAILS**

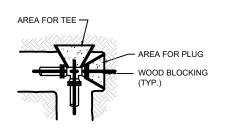
520 South Main Street, Suite 2531

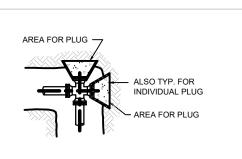
Site Review

03/17/2022 2:04:25

330.572.2100 Fax 330.572.2101

Akron, OH 44311





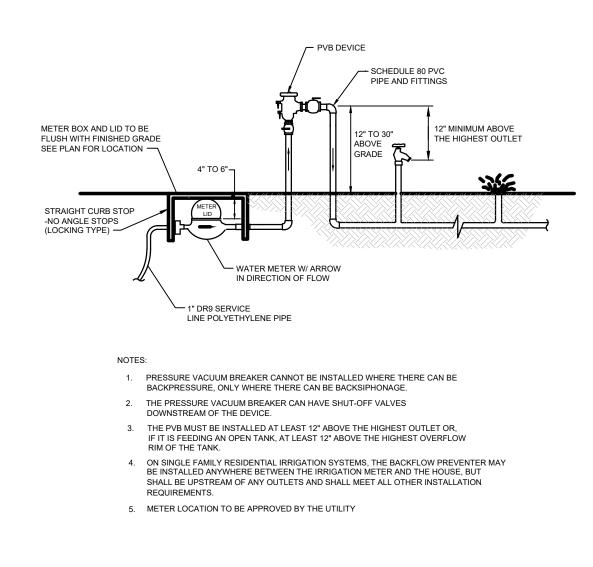
<u>C</u>	ROSS W/	TWO F	LUGS
_			

THRU	THRUST BLOCK AREAS IN SQ. FT.							
PIPE SIZE IN INCHES	90°BEND, TEES,PLUGS	45° BEND	22.5° BEND	11.25° BEND				
4	1.6	0.9	0.4	0.2				
6	3.6	1.9	1.0	0.5				
8	6.4	3.5	1.8	0.9				
10	10.0	5.4	2.8	1.4				
12	14.4	7.8	4.0	2.0				
16	25.2	13.6	7	3.5				

- 1. RESTRAINED JOINTS SHALL ALWAYS BE USED INSTEAD OF THRUST BLOCKS FOR NEW
- THRUST BLOCK BEARING AREAS SHALL BE POURED AGAINST UNDISTURBED MATERIAL WHERE
- TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND TO UNDISTURBED MATERIAL. EXTEND THRUST BLOCK FULL LENGTH OF FITTINGS. PUT BOARD IN FRONT OF PLUG BEFORE
- OURING CONCRETE. JOINTS SHALL NOT BE COVERED BY THRUST BLOCK.
- ROUGH BLOCKING FORMS SHALL BE USED ALONG SIDE OF THRUST BLOCKS. 5. THRUST BLOCKS SHALL BE USED IN COMBINATION, AS REQUIRED, TO SUIT THE SPECIFIC FITTING
- ALTERNATE DESIGNED RESTRAINING SYSTEMS SHALL BE PROVIDED WHERE STANDARD THRUST BLOCKING IS NOT SUITABLE, AND/OR SOIL BEARING CAPACITY IS LESS THAN 2,000 P.S.F. OR
- PIPE IS 16" OR GREATER.
- 7. ALL WOOD BLOCKING SHALL BE PRESSURE TREATED WITH PRESERVATIVE. 8. THRUST BLOCK AND RESTRAINING SEWER AND WATER MAIN SCHEDULES SHALL BE COMPLETED BY THE ENGINEER, BASED ON ALL DESIGN CONSIDERATIONS INCLUDING BUT NOT LIMITED TO THE FOLLOWING: PIPE TYPE, SOIL BEARING CAPACITY, SOIL TYPE, DEPTH OF COVER, TEST PRESSURE,
- LAYING CONDITIONS, SAFETY FACTOR. 9. STEEL REINFORCEMENT FOR "DEAD MAN" SHALL BE DETERMINED BY ENGINEER.

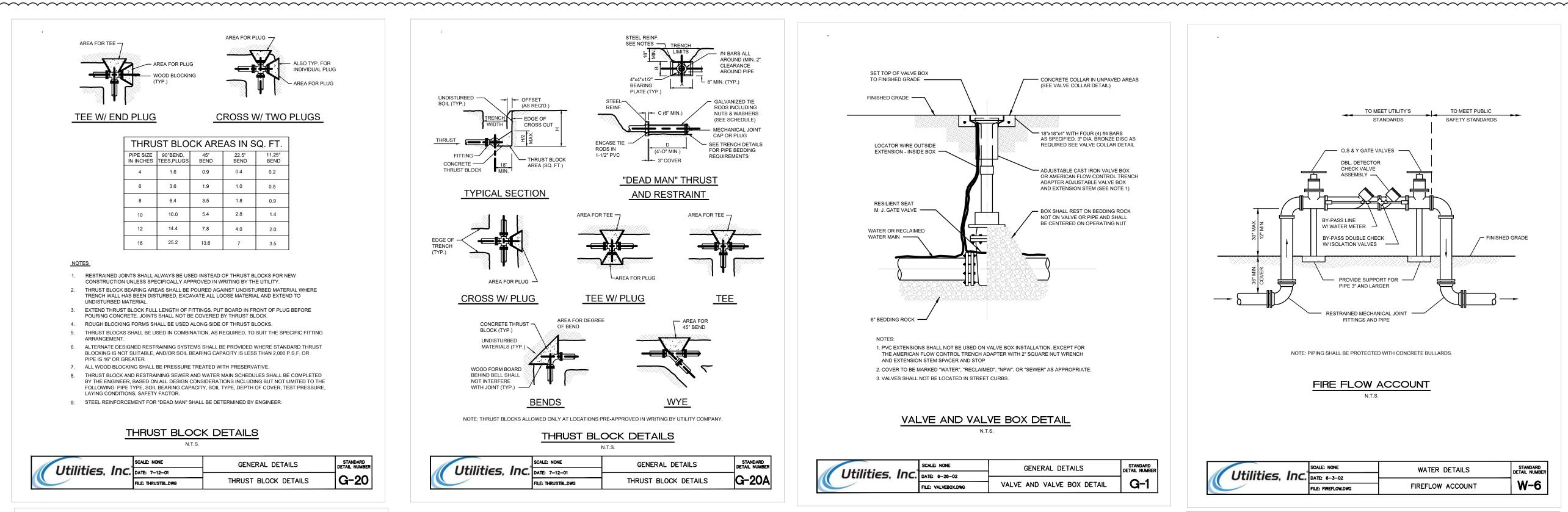
THRUST BLOCK DETAILS

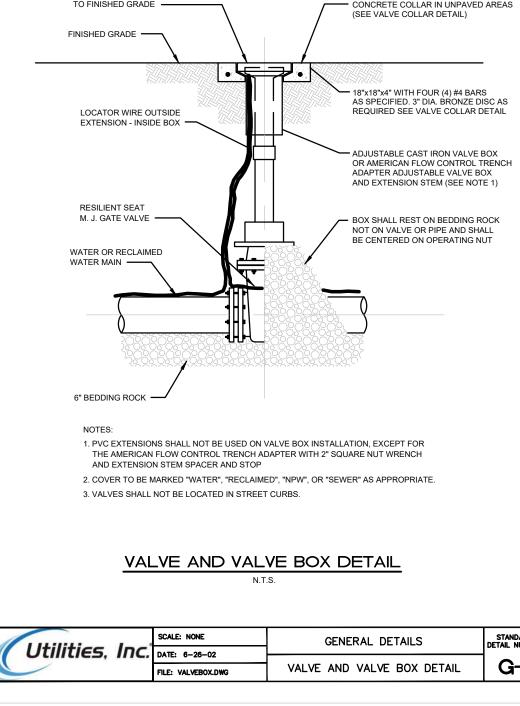
// 111:1:1: 1 :	SCALE: NONE	GENERAL DETAILS	STANDARD DETAIL NUMBER
	DATE: 7-12-01 FILE: THRUSTBL.DWG	THRUST BLOCK DETAILS	G-20



IRRIGATION METER AND PRESSURE VACUUM BREAKER BACKFLOW PREVENTER

Utilities,		SCALE: NONE	WATER DETAILS	STANDARD DETAIL NUMBER
	Inc.	DATE: 6-3-02	IDDIOATION METER AND DEFOCUE	
		FILE: BACKFLOW.DWG	IRRIGATION METER AND PRESSURE VACUUM BREAKER BACKFLOW PREVENTER	W-7





MINIMUM RESTRAINED LENGTH (FT) - FACH SIDE OF FITTING

1 SAND-SILT SOIL (COHESIONLESS SOIL WITH 30° INTERNAL FRICTION ANGLE,

3. 150 PSI DESIGN PRESSURE. FOR 200 PSI DESIGN PRESSURE (FIRE LINES),

RESTRAINED JOINT PIPE LENGTHS

C900 PVC PIPE

GENERAL DETAILS

RESTRAINED JOINT PIPE LENGTHS

C900 PVC PIPE

G-18

PIPE FRICTION/SOIL FRICTION RATIO = 0.6, SOIL DENSITY 90 PCF

2. PIPE LAYING CONDITION 3 (NO SELECT BEDDING OR BACKFILL).

INCREASE RESTRAINED LENGTH BY 35%.

5. ALL RESTRAINED JOINT LENGTHS IN FEET.

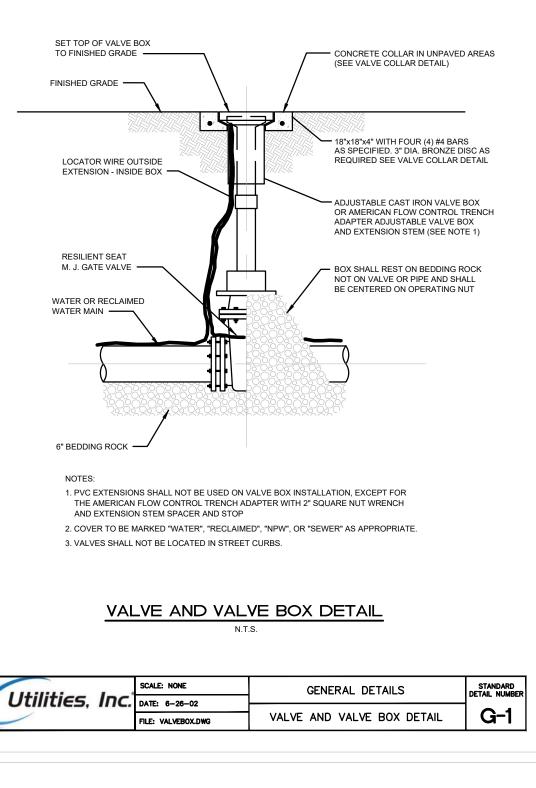
4. 3 FOOT MINIMUM COVER ON THE PIPE.

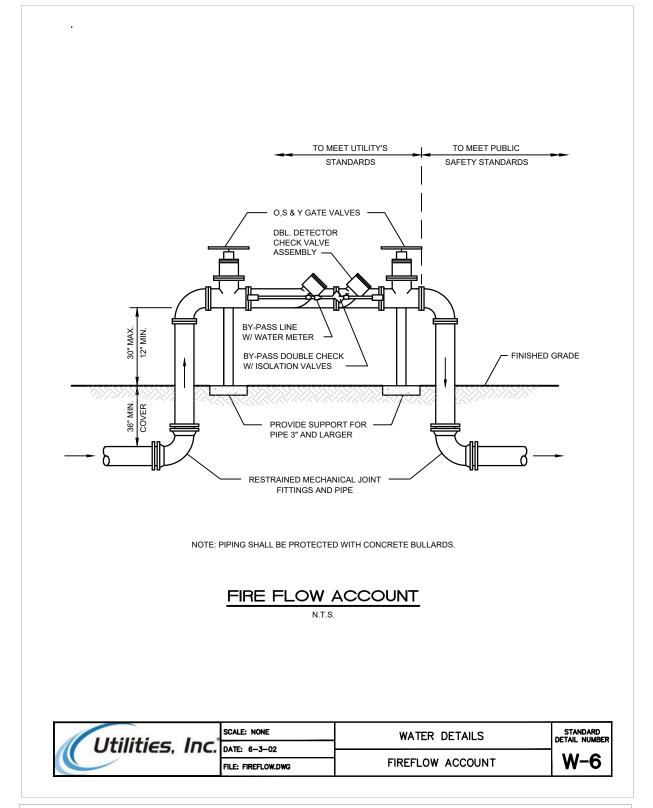
FILE: RJ_PVC.DWG

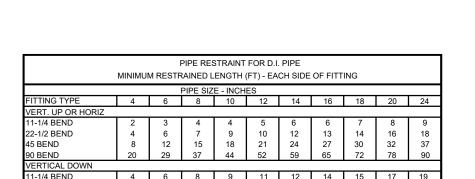
Utilities, Inc. DATE: 7-12-01

2-1/2 BEND

2-1/2 BEND





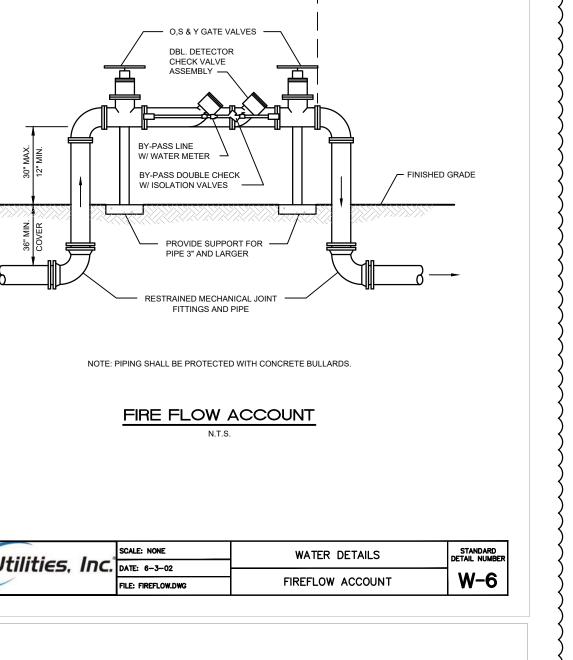


1. SAND-SILT SOIL (COHESIONLESS SOIL WITH 30° INTERNAL FRICTION ANGLE, PIPE FRICTION/SOIL FRICTION RATIO = 0.75, SOIL DENSITY 90 PCF). 2. PIPE LAYING CONDITION 3 (NO SELECT BEDDING OR BACKFILL). 3. 150 PSI DESIGN PRESSURE. FOR 200 PSI DESIGN PRESSURE (FIRE LINES),

RESTRAINED JOINT PIPE LENGTHS **DUCTILE IRON PIPE**

Utilities, Inc. DATE: 7-12-01 GENERAL DETAILS RESTRAINED JOINT PIPE LENGTHS G-19 FILE: RJ_DIP.DWG DUCTILE IRON PIPE

This document has not been reviewed by the stamping party. Therefore, the stamping party makes no representation(s) with respect to its contents, and shall not be liable for such. Any reliance on this stamp shall be at the relying party(ies)'s own risk and hereby waives any and all claim(s) related to the existence of the stamp or otherwise.



					FOR D.I.					
	MINIMU	M RESTF	RAINED L	ENGTH.	(FT) - EA	CH SIDE	OF FITT	ING		
			PIPE SIZ	E - INCH	ES					
NG TYPE	4	6	8	10	12	14	16	18	20	24
. UP OR HORIZ										
4 BEND	2	3	4	4	5	6	6	7	8	9
2 BEND	4	6	7	9	10	12	13	14	16	18
ND	8	12	15	18	21	24	27	30	32	37
ND	20	29	37	44	52	59	65	72	78	90
ICAL DOWN										
4 BEND	4	6	8	9	11	12	14	15	17	19
2 BEND	8	12	15	19	22	25	28	31	34	39
ND	17	25	32	39	45	52	58	64	70	82
ND	42	60	77	94	109	125	140	155	169	197
ICH OF TEE	15	31	48	63	79	94	108	123	136	164
END END	42	60	77	94	109	125	140	155	169	197
JCERS									-	
	6X4	8X4	8X6	10X6	10X8	12X6	12X8	12X10	14X6	14X8
R.LENGTH	31	57	33	59	32	82	59	32	103	84
	16X6	16X8	16X12	18X8	18X12	18X16	20X12	20X16	24X12	24X16
R.LENGTH	123	106	60	126	86	32	109	60	150	110

INCREASE RESTRAINED LENGTH BY 35%. 4. 3 FOOT MINIMUM COVER ON THE PIPE. 5. ALL RESTRAINED JOINT LENGTHS IN FEET.



TACO BELL

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711

CONTRACT DATE:

BUILDING TYPE:

PLAN VERSION:

BRAND DESIGNER

SITE NUMBER:

STORE NUMBER

PA/PM:

DRAWN BY.

JOB NO.:

END. 2.0

315420

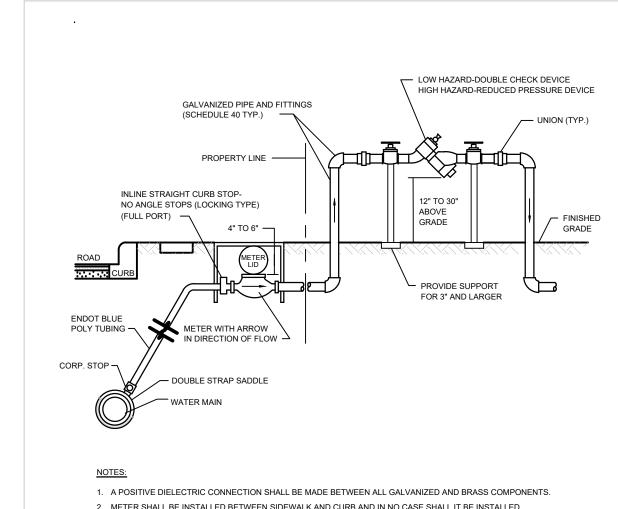
457313

2021088.46

JANUARY 2022

ENDEAVOR 2.0 UTILITIES INC. **DETAILS**

PLOT DATE: 01/17/2022 10:08:35 AM



2. METER SHALL BE INSTALLED BETWEEN SIDEWALK AND CURB AND IN NO CASE SHALL IT BE INSTALLED

IN OTHER PAVED AREAS. 3. NO SERVICE LINE SHALL TERMINATE UNDER A DRIVEWAY.

4. EACH SERVICE SHALL TERMINATE AT A CURB STOP(S) WHICH SHALL BE BURIED APPROXIMATELY 3" BELOW FINAL GRADE AND SHALL BE CLEARLY MARKED WITH A 2" x 2" x 18" STAKE WITH THE TOP PAINTED BLUE.

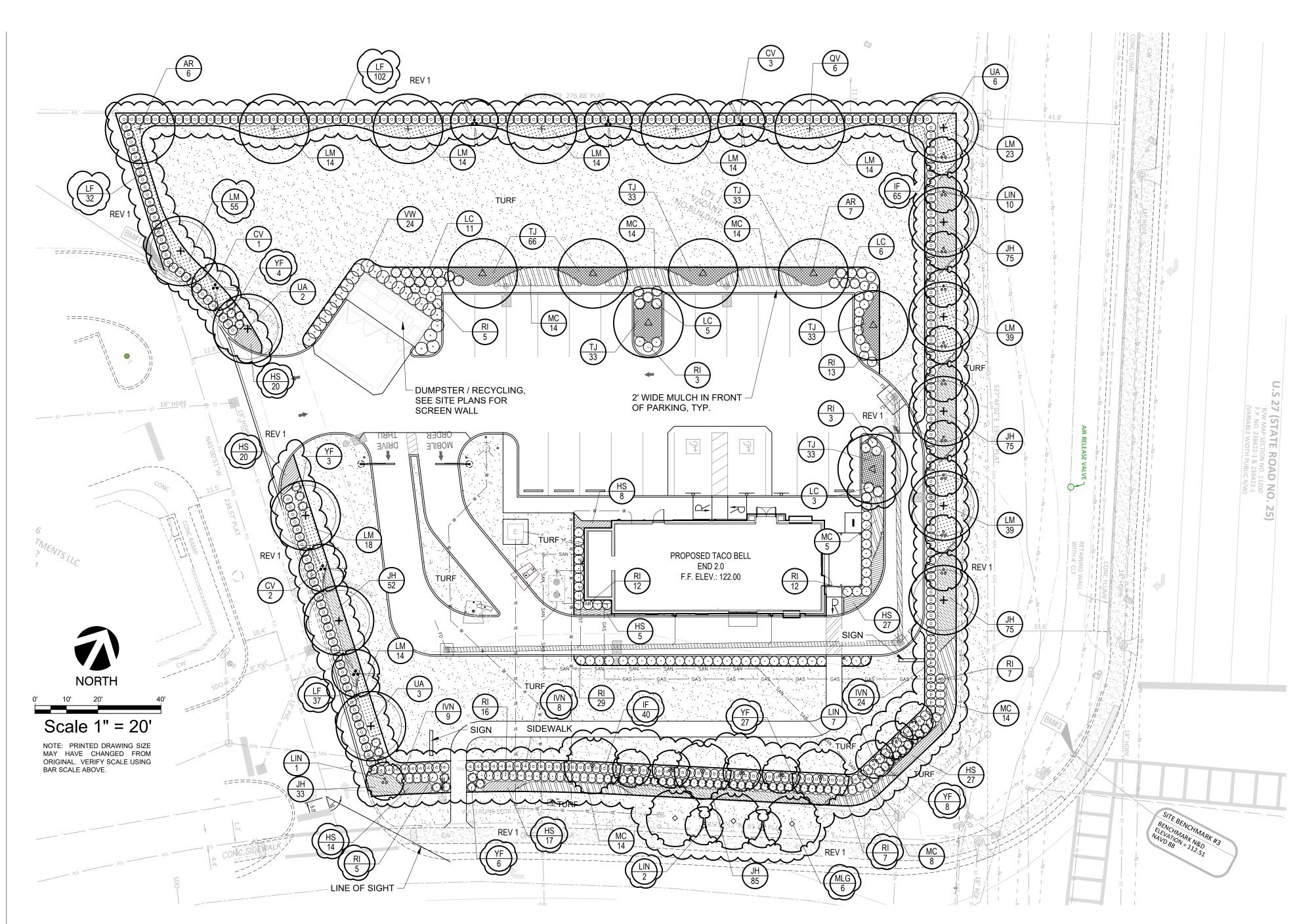
6. CORP. STOPS AND CURB STOPS SHALL BE BRASS EQUIPPED WITH CONNECTION COMPATIBLE TO CONNECTING

SERVICE TYPE AS MANUFACTURED BY MUELLER CO. OR APPROVED EQUAL.

7. LONG SERVICES UNDER PAVEMENT TO BE INSTALLED IN 3" PVC SLEEVE, MINIMUM 3' DEEP. 8. STAINLESS STEEL INSERTS ARE REQUIRED IN THE TUBING

COMMERCIAL WATER SERVICE CONNECTION

WATER DETAILS Utilities, Inc. DATE: 6-3-02 W-5 COMMERCIAL WATER SERVICE CONNECTION



BETWEEN ABUTTING PROPERTIES

LANDSCAPE BUFFERS:

GROSS SITE AREA:

ZONING:

LANDSCAPE CALCULATIONS

.....

NORTH PROPERTY BOUNDARY (277 LF): 2 CANOPY TREES + 1 UNDERSTORY TREES PER 100 LF
CANOPY TREES: 6 TREES REQ'D 6 TREES PROVIDED

54,397 SF

PUD

UNDERSTORY TREES : 3 TREES REQ'D 3 TREES PROVIDED

CONTINUOUS SHRUB PROVIDED

WEST PROPERTY BOUNDARY (238.6 LF): 2 CANOPY TREES + 1 UNDERSTORY TREES PER 100 LF

CANOPY TREES: 5 TREES REQ'D 5 TREES PROVIDED

UNDERSTORY TREES: 3 TREES REQ'D 3 TREES PROVIDED

CONTINUOUS SHRUB PROVIDED

ADJACENT TO RIGHT-OF-WAY

FRONT YARD: HAMMACK RIDGE RD (200 LF): 3 CANOPY TREES + FIVE UNDERSTORY TREES PER 100 LF,

CANOPY TREES: 6 TREES REQ'D 6 TREES PROVIDED

UNDERSTORY TREES: 10 TREES REQ'D 10 TREES PROVIDED

UNDERSTORY TREES: 10 TREES REQ'D 10 TREES PROVIDED*

SHRUBS/ GROUNDCOVERS: 50% OF THE REQ'D BUFFER PROVIDED

* 1 (ONE) OF THE REQ'D UNDERSTORY TRESS LOCATED ON US-27 DUE TO SIGNAGE AND UTILITIES

SIDE YARD: US-27 (197.25 LF)3 CANOPY TREES + FIVE UNDERSTORY TREES PER 100 LF,
CANOPY TREES: 6 TREES REQ'D 6 TREES PROVIDED

UNDERSTORY TREES: 10 TREES REQ'D 10 TREES PROVIDED

SHRUBS/ GROUNDCOVERS: 50% OF THE REQ'D BUFFER PROVIDED

BUILDING FACADE:

ADJACENT TO OR WITHIN 25 FEET FROM THE BUILDING WALLS VISIBLE TO THE PUBLIC, 36 IN WIDE. 60% OF THE TOTAL LENGTH OF THE WALL,

BUILDING LENGTH: 223 LF X .6 = 134 LF

134 LF X 3' WIDE BED = 402 SF. PLANTINGS REQ'D PROVIDED

VEHICULAR USE AREA (VUA) INTERIOR LANDSCAPING

LANDSCAPED GREEN AREAS: 10% OF THE PAVED PARKING AREA (PPA);

1 TREE PER 200 SF REQ'D VUA LANDSCAPE AREA

14,364 SF PPA X .1= 1,436.4 SF PLANTINGS REQ'D PROVIDED

7 TREES REQ'D 7 TREES PROVIDED

LANDSCAPING ADJACENT TO FENCES, WALLS OR DUMPSTER ENCLOSURES

DUMPSTER ENCLOSURE

1 SHRUB PER TWO LINEAR FEET OF DUMPSTER ENCLOSURE

48 LF X .5 = 24 SHRUBS REQ'D 24 SHRUBS PROVIDED

- - -

GENERAL GRADING AND PLANTING NOTES

- ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 OR BETTER ACCORDING TO GRADES AND STANDARDS FOR NURSERY PLANTS, CURRENT EDITION AT TIME OF INSTALLATION.
- 2. BY SUBMITTING A PROPOSAL FOR THE LANDSCAPE PLANTING SCOPE OF WORK, THE CONTRACTOR CONFIRMS THAT HE HAS READ, AND WILL COMPLY WITH, THE ASSOCIATED NOTES, SPECIFICATIONS, AND DETAILS WITH THIS PROJECT.

 3. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL EXISTING VEGETATION (EXCEPT WHERE NOTED TO REMAIN).

IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL

- SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS.

 a. BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS
- ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.

 b. CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS
- RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING POTENTIAL.

 C. THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER
- SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.

 d. ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18"
- e. ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
- GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.

 f. SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE
 NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION
 OF THE LANDSCAPE ARCHITECT, GENERAL CONTRACTOR, AND OWNER.
- 5. ALL PLANT LOCATIONS ARE DIAGRAMMATIC. ACTUAL LOCATIONS SHALL BE VERIFIED WITH THE LANDSCAPE ARCHITECT OR DESIGNER PRIOR TO PLANTING. THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT ALL REQUIREMENTS OF THE PERMITTING
- AUTHORITY ARE MET (I.E., MINIMUM PLANT QUANTITIES, PLANTING METHODS, TREE PROTECTION METHODS, ETC.).

 a. THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR DETERMINING PLANT QUANTITIES; PLANT QUANTITIES SHOWN ON LEGENDS AND CALLOUTS ARE FOR GENERAL INFORMATION ONLY. IN THE EVENT OF A DISCREPANCY BETWEEN THE PLAN AND THE PLANT LEGEND, THE PLANT QUANTITY AS SHOWN ON THE PLAN (FOR INDIVIDUAL SYMBOLS) OR CALLOUT (FOR
- GROUNDCOVER PATTERNS) SHALL TAKE PRECEDENCE.

 b. NO SUBSTITUTIONS OF PLANT MATERIALS SHALL BE ALLOWED WITHOUT THE WRITTEN PERMISSION OF THE LANDSCAPE

 ARCHITECT. IF SOME OF THE PLANTS ARE NOT AVAILABLE, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE

 ARCHITECT IN WRITING (VIA PROPER CHANNELS).
- c. THE CONTRACTOR SHALL, AT A MINIMUM, PROVIDE REPRESENTATIVE PHOTOS OF ALL PLANTS PROPOSED FOR THE PROJECT. THE CONTRACTOR SHALL ALLOW THE LANDSCAPE ARCHITECT AND THE OWNER/OWNER'S REPRESENTATIVE TO INSPECT, AND APPROVE OR REJECT, ALL PLANTS DELIVERED TO THE JOBSITE. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR SUBMITTALS.
- 6. THE CONTRACTOR SHALL MAINTAIN THE LANDSCAPE IN A HEALTHY CONDITION FOR 90 DAYS AFTER ACCEPTANCE BY THE OWNER. REFER TO SPECIFICATIONS FOR CONDITIONS OF ACCEPTANCE FOR THE START OF THE MAINTENANCE PERIOD, AND FOR FINAL
- ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD.

 7. SEE SPECIFICATIONS AND DETAILS FOR FURTHER REQUIREMENTS.

ROOT BARRIERS

THE CONTRACTOR SHALL INSTALL ROOT BARRIERS NEAR ALL NEWLY-PLANTED OR TRANSPLANTED TREES THAT ARE LOCATED WITHIN FIVE (5) FEET OF PUBLIC PAVING OR CURBS. ROOT BARRIERS SHALL BE "CENTURY" OR "DEEP-ROOT" 24" DEEP PANELS (OR EQUAL). BARRIERS SHALL BE LOCATED IMMEDIATELY ADJACENT TO HARDSCAPE. INSTALL PANELS PER MANUFACTURER'S RECOMMENDATIONS. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR USE ROOT BARRIERS OF A TYPE THAT COMPLETELY ENCIRCLE THE ROOTBALL.

MULCHES

AFTER ALL PLANTING IS COMPLETE, CONTRACTOR SHALL INSTALL 2" THICK LAYER OF 1-1/2" SHREDDED WOOD MULCH, NATURAL (UNDYED) IN ALL PLANTING AREAS (EXCEPT FOR TURF AND SEEDED AREAS). CONTRACTOR SHALL SUBMIT SAMPLES OF ALL MULCHES TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL PRIOR TO CONSTRUCTION.

CYPRESS MULCH SHALL NOT BE USED.

PLANTING LEGEND

Paspalum notatum

BOTANIC NAME	COMMON NAME	MIN. SIZE	SPACING	QUANTITY	NATIVE	DROUGHT TOLERANT
			REV 1			
Acer rebrum 'Florida Flame'	Florida Flame Red Maple	65 gal., 12' ht. x 6' sprd., 3" cal.	per plan	7	YES	NO
Chionanthus virginicus	Fringetree	8' ht. x 4' sprd.	per plan	6	YES	YES
Lagerstroemia indica 'Natchez'	Crape Myrtle - White	8' ht. x 4' sprd.	oper plan	20	NO	YES
Magnolia g. 'Little Gem'	Little Gem Magnolia	65 gal., 12' ht. x 6' sprd., 3" cal.	per plan	6	YES	YES
Quercus virginiana	Live Oak	65 gal., 12' ht. x 6' sprd., 3" cal.	oper plan	6	YES	YES
Ulmus alata	Winged Elm	65 gal., 12' ht. x 6' sprd., 3" cal.	per plan	11	YES	YES
	Acer rebrum 'Florida Flame' Chionanthus virginicus Lagerstroemia indica 'Natchez' Magnolia g. 'Little Gem' Quercus virginiana	Acer rebrum 'Florida Flame' Chionanthus virginicus Lagerstroemia indica 'Natchez' Magnolia g. 'Little Gem' Quercus virginiana Florida Flame Red Maple Fringetree Crape Myrtle - White Little Gem Magnolia	Acer rebrum 'Florida Flame' Chionanthus virginicus Fringetree Crape Myrtle - White Magnolia g. 'Little Gem' Cuercus virginiana Florida Flame Red Maple 65 gal., 12' ht. x 6' sprd., 3" cal. 8' ht. x 4' sprd. 8' ht. x 4' sprd. 65 gal., 12' ht. x 6' sprd., 3" cal. 65 gal., 12' ht. x 6' sprd., 3" cal.	Acer rebrum 'Florida Flame' Chionanthus virginicus Fringetree Crape Myrtle - White Magnolia g. 'Little Gem' Cuercus virginiana Florida Flame Red Maple 65 gal., 12' ht. x 6' sprd., 3" cal. Per plan 8' ht. x 4' sprd. Per plan 65 gal., 12' ht. x 6' sprd., 3" cal. Per plan 65 gal., 12' ht. x 6' sprd., 3" cal. Per plan 65 gal., 12' ht. x 6' sprd., 3" cal. Per plan Cuercus virginiana Live Oak 65 gal., 12' ht. x 6' sprd., 3" cal. Per plan	Acer rebrum 'Florida Flame' Florida Flame Red Maple 65 gal., 12' ht. x 6' sprd., 3" cal. per plan 7 Chionanthus virginicus Fringetree 8' ht. x 4' sprd. per plan 6 Lagerstroemia indica 'Natchez' Crape Myrtle - White 8' ht. x 4' sprd. per plan 9 per plan 6 Magnolia g. 'Little Gem' Little Gem Magnolia Cuercus virginiana Live Oak REV 1 65 gal., 12' ht. x 6' sprd., 3" cal. per plan 6 65 gal., 12' ht. x 6' sprd., 3" cal. per plan 6 65 gal., 12' ht. x 6' sprd., 3" cal. per plan 6	Acer rebrum 'Florida Flame' Florida Flame Red Maple Chionanthus virginicus Fringetree B' ht. x 4' sprd. Florida Flame Red Maple B' ht. x 4' sprd. Fringetree B' ht. x 6' sprd., 3" cal. Fr

HRUBS	/ GROUNDCOVERS / ORNAMENTAL GRAS	SES		$\sim\sim$	<u>~~~</u>		
HS	Hemerocallis x 'Aztec Gold'	Dwarf Evergreen Daylily	1 Gal.	18" o.c.	138) NO	NO
IF	Illicium floridanum	Florida Anise	5 Gal. & 36" ht. min., Full	30" o.c.	105	YES	YES
IVN	llex vomitoria 'Nana'	Dwarf Yaupon Holly	5 Gal. & 36" ht. min., Full	30" o.c.	41	YES	YES
JH	Juniperus horizontalis 'Wiltonii'	Blue Rug Juniper	1 Gal., Full	18" o.c.	395	NO	YES
LF	Leucophyllum frutescens	Texas Sage	5 Gal. & 36" ht. min., Full	30" o.c.	171	NO	YES
LM	Liriope muscari 'Evergreen Giant'	Evergreen Giant Liriope	1 gal., 8-10 pips/pot, 15" ht. min.	24" o.c.	258) NO	YES
LC	Loropetalum chinense 'Rubrum'	Burgundy Fringe Bush	5 Gal. & 36" ht. min., Full	30" o.c.	25	NO	YES
МС	Muhlenbergia capillaris	Muhly Grass	5 Gal. & 36" ht. min., Full	30" o.c.	83	YES	YES
RI	Rhaphiolepis indica	Indian Hawthorn	5 Gal. & 36" ht. min., Full	per plan	112	NO	YES
TJ	Trachelospermum jasminoides	Star Jasmine	1 Gal., 3 stems min., 15"-18"	18" o.c.	231	NO	YES
VW	Viburnum obovatum	Walters Viburnum	7 Gal. & 36" ht. min., Full	per plan	24	YES	YES
YF	Yucca filamentosa 'Adam's Needle'	Adam's Needle Yucca	5 Gal.	per plan	53	YES	YES

Argentine Bahiagrass

EVERGREEN

DESIGN GROUP

(800) 680-6630

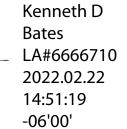
2255 Glades Road, Suite 324A

Boca Raton, FL 33431

www.EvergreenDesignGroup.com

LA #6666710







	DATE	REMARKS
01	2/22/22	REV 1: SITE PLAN REVIEW 1 COMMENTS

CONTRACT DATE: 01.17.22

BUILDING TYPE: END. 2.0

PLAN VERSION: JANUARY 2022

PLAN VERSION: JA
BRAND DESIGNER:

SITE NUMBER: 315420
STORE NUMBER: 457313
PA/PM: JN

DRAWN BY.:

JOB NO.:

TACO BELL

2021088.46

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0

LANDSCAPE PLAN

LP-1

- QUALIFICATIONS OF LANDSCAPE CONTRACTOR
- ALL LANDSCAPE WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE FIRM SPECIALIZING IN LANDSCAPE PLANTING A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE
- REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES. THE LANDSCAPE CONTRACTOR SHALL HOLD A VALID CONTRACTOR'S LICENSE ISSUED BY THE
- APPROPRIATE LOCAL JURISDICTION. SCOPE OF WORK
- WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION, INSTALLATION AND COMPLETION OF ALL WORK, SPECIFIED HEREIN AND / OR SHOWN ON THE LANDSCAPE PLANS, NOTES, AND DETAILS.
- 2. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL, STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS.
- THE LANDSCAPE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF

PRODUCTS

- ALL MANUFACTURED PRODUCTS SHALL BE NEW. CONTAINER AND BALLED-AND-BURLAPPED PLANTS:
 - FURNISH NURSERY-GROWN PLANTS COMPLYING WITH ANSI Z60.1-2014. PROVIDE WELL-SHAPED, FULLY BRANCHED, HEALTHY, VIGOROUS STOCK FREE OF DISEASE, INSECTS, EGGS, LARVAE, AND DEFECTS SUCH AS KNOTS, SUN SCALD, INJURIES, ABRASIONS, AND DISFIGUREMENT, ALL PLANTS WITHIN A SPECIES SHALL HAVE SIMILAR SIZE. AND SHALL BE OF A FORM TYPICAL FOR THE SPECIES. ALL TREES SHALL BE OBTAINED FROM SOURCES WITHIN 200 MILES OF THE PROJECT SITE, AND WITH SIMILAR
- CLIMACTIC CONDITIONS. ROOT SYSTEMS SHALL BE HEALTHY, DENSELY BRANCHED ROOT SYSTEMS, NON-POT-BOUND, FREE FROM ENCIRCLING AND/OR GIRDLING ROOTS, AND FREE FROM ANY OTHER ROOT DEFECTS (SUCH AS
- J-SHAPED ROOTS) TREES MAY BE PLANTED FROM CONTAINERS OR BALLED-AND-BURLAPPED (B&B), UNLESS SPECIFIED ON THE PLANTING LEGEND. BARE-ROOT TREES ARE NOT ACCEPTABLE.
- ANY PLANT DEEMED UNACCEPTABLE BY THE LANDSCAPE ARCHITECT OR OWNER SHALL BE IMMEDIATELY REMOVED FROM THE SITE AND SHALL BE REPLACED WITH AN ACCEPTABLE PLANT OF LIKE TYPE AND SIZE AT THE CONTRACTOR'S OWN EXPENSE. ANY PLANTS APPEARING TO BE UNHEALTHY, EVEN IF DETERMINED TO STILL BE ALIVE, SHALL NOT BE ACCEPTED. THE LANDSCAPE
- ARCHITECT AND OWNER SHALL BE THE SOLE JUDGES AS TO THE ACCEPTABILITY OF PLANT MATERIAL 5. ALL TREES SHALL BE STANDARD IN FORM, UNLESS OTHERWISE SPECIFIED. TREES WITH CENTRAL LEADERS WILL NOT BE ACCEPTED IF LEADER IS DAMAGED OR REMOVED. PRUNE ALL DAMAGED TWIGS
- CALIPER MEASUREMENTS FOR STANDARD (SINGLE TRUNK) TREES SHALL BE AS FOLLOWS: SIX INCHES ABOVE THE ROOT FLARE FOR TREES UP TO AND INCLUDING TWO INCHES IN CALIPER, AND TWELVE INCHES ABOVE THE ROOT FLARE FOR TREES EXCEEDING TWO INCHES IN CALIPER.
- MULTI-TRUNK TREES SHALL BE MEASURED BY THEIR OVERALL HEIGHT, MEASURED FROM THE TOP OF THE ROOT BALL. WHERE CALIPER MEASUREMENTS ARE USED, THE CALIPER SHALL BE CALCULATED AS ONE-HALF OF THE SUM OF THE CALIPER OF THE THREE LARGEST TRUNKS. ANY TREE OR SHRUB SHOWN TO HAVE EXCESS SOIL PLACED ON TOP OF THE ROOT BALL, SO THAT
- THE ROOT FLARE HAS BEEN COMPLETELY COVERED, SHALL BE REJECTED. SOD: PROVIDE WELL-ROOTED SOD OF THE VARIETY NOTED ON THE PLANS. SOD SHALL BE CUT FROM
- HEALTHY, MATURE TURF WITH SOIL THICKNESS OF 3/4" TO 1". EACH PALLET OF SOD SHALL BE ACCOMPANIED BY A CERTIFICATE FROM SUPPLIER STATING THE COMPOSITION OF THE SOD.
- TOPSOIL: SANDY TO CLAY LOAM TOPSOIL, FREE OF STONES LARGER THAN 1/2 INCH, FOREIGN MATTER, PLANTS, ROOTS, AND SEEDS.
- COMPOST: WELL-COMPOSTED, STABLE, AND WEED-FREE ORGANIC MATTER, pH RANGE OF 5.5 TO 8; MOISTURE CONTENT 35 TO 55 PERCENT BY WEIGHT; 100 PERCENT PASSING THROUGH 3/4-INCH SIEVE; SOLUBLE SALT CONTENT OF 5 TO 10 DECISIEMENS/M; NOT EXCEEDING 0.5 PERCENT INERT CONTAMINANTS AND FREE OF SUBSTANCES TOXIC TO PLANTINGS. NO MANURE OR ANIMAL-BASED PRODUCTS SHALL BE
- FERTILIZER: GRANULAR FERTILIZER CONSISTING OF NITROGEN, PHOSPHORUS, POTASSIUM, AND OTHER NUTRIENTS IN PROPORTIONS, AMOUNTS, AND RELEASE RATES RECOMMENDED IN A SOIL REPORT FROM A QUALIFIED SOIL-TESTING AGENCY (SEE BELOW)
- PALM MAINTENANCE SPIKES: AS MANUFACTURED BY THE LUTZ CORP, (800) 203-7740, OR APPROVED EQUAL MULCH: SIZE AND TYPE AS INDICATED ON PLANS, FREE FROM DELETERIOUS MATERIALS AND SUITABLE AS A TOP DRESSING OF TREES AND SHRUBS.
- TREE STAKING AND GUYING
- STAKES: 6' LONG GREEN METAL T-POSTS. GUY AND TIE WIRE: ASTM A 641, CLASS 1, GALVANIZED-STEEL WIRE, 2-STRAND, TWISTED, 0.106 INCH
- 3. STRAP CHAFING GUARD: REINFORCED NYLON OR CANVAS AT LEAST 1-1/2 INCH WIDE, WITH
- GROMMETS TO PROTECT TREE TRUNKS FROM DAMAGE. STEEL EDGING: PROFESSIONAL STEEL EDGING, 14 GAUGE THICK X 4 INCHES WIDE, FACTORY PAINTED DARK
- GREEN. ACCEPTABLE MANUFACTURERS INCLUDE COL-MET OR APPROVED EQUAL. PRE-EMERGENT HERBICIDES: ANY GRANULAR, NON-STAINING PRE-EMERGENT HERBICIDE THAT IS LABELED FOR THE SPECIFIC ORNAMENTALS OR TURF ON WHICH IT WILL BE UTILIZED. PRE-EMERGENT HERBICIDES SHALL BE APPLIED PER THE MANUFACTURER'S LABELED RATES.

<u>METHODS</u>

- BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE GRADE OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. THE CONTRACTOR SHALL NOTIFY THE OWNER IMMEDIATELY SHOULD ANY DISCREPANCIES EXIST.
 - AFTER FINISH GRADES HAVE BEEN ESTABLISHED. CONTRACTOR SHALL HAVE SOIL SAMPLES FROM THE PROJECT'S LANDSCAPE AREAS TESTED BY AN ESTABLISHED SOIL TESTING LABORATORY. EACH SAMPLE SUBMITTED TO THE LAB SHALL CONTAIN NO LESS THAN ONE QUART OF SOIL, TAKEN FROM BETWEEN THE SOIL SURFACE AND 6" DEPTH. IF NO SAMPLE LOCATIONS ARE INDICATED ON THE PLANS. THE CONTRACTOR SHALL TAKE A MINIMUM OF THREE
 - SAMPLES FROM VARIOUS REPRESENTATIVE LOCATIONS FOR TESTING. THE CONTRACTOR SHALL HAVE THE SOIL TESTING LABORATORY PROVIDE RESULTS FOR THE FOLLOWING: SOIL TEXTURAL CLASS, GENERAL SOIL FERTILITY, pH, ORGANIC MATTER CONTENT,
- SALT (CEC), LIME, SODIUM ADSORPTION RATIO (SAR) AND BORON CONTENT. THE CONTRACTOR SHALL ALSO SUBMIT THE PROJECT'S PLANT LIST TO THE LABORATORY ALONG WITH THE SOIL SAMPLES.
- d. THE SOIL REPORT PRODUCED BY THE LABORATORY SHALL CONTAIN RECOMMENDATIONS FOR THE FOLLOWING (AS APPROPRIATE): SEPARATE SOIL PREPARATION AND BACKFILL MIX RECOMMENDATIONS FOR GENERAL ORNAMENTAL PLANTS XERIC PLANTS TURE AND NATIVE SEED, AS WELL AS PRE-PLANT FERTILIZER APPLICATIONS AND RECOMMENDATIONS FOR ANY OTHER SOIL RELATED ISSUES. THE REPORT SHALL ALSO PROVIDE A FERTILIZER PROGRAM FOR THE ESTABLISHMENT PERIOD AND FOR LONG-TERM MAINTENANCE.
- THE CONTRACTOR SHALL INSTALL SOIL AMENDMENTS AND FERTILIZERS PER THE SOILS REPORT RECOMMENDATIONS. ANY CHANGE IN COST DUE TO THE SOIL REPORT RECOMMENDATIONS, EITHER INCREASE OR DECREASE, SHALL BE SUBMITTED TO THE OWNER WITH THE REPORT.
- FOR BIDDING PURPOSES ONLY, THE SOIL PREPARATION SHALL CONSIST OF THE FOLLOWING: TURF: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
- NITROGEN STABILIZED ORGANIC AMENDMENT 4 CU. YDS. PER 1.000 S.F. PREPLANT TURF FERTILIZER (10-20-10 OR SIMILAR, SLOW RELEASE, ORGANIC) - 15 LBS PER 1,000
- iii. "CLAY BUSTER" OR EQUAL USE MANUFACTURER'S RECOMMENDED RATE TREES, SHRUBS, AND PERENNIALS: INCORPORATE THE FOLLOWING AMENDMENTS INTO THE TOP 8" OF SOIL BY MEANS OF ROTOTILLING AFTER CROSS-RIPPING:
- NITROGEN STABILIZED ORGANIC AMENDMENT 4 CU. YDS. PER 1,000 S.F. 12-12-12 FERTILIZER (OR SIMILAR, ORGANIC, SLOW RELEASE) - 10 LBS. PER CU. YD.
- "CLAY BUSTER" OR EQUAL USE MANUFACTURER'S RECOMMENDED RATE
- IRON SULPHATE 2 LBS. PER CU. YD.
- 5. IN THE CONTEXT OF THESE PLANS, NOTES, AND SPECIFICATIONS, "FINISH GRADE" REFERS TO THE FINAL ELEVATION OF THE SOIL SURFACE (NOT TOP OF MULCH) AS INDICATED ON THE GRADING PLANS. a. BEFORE STARTING WORK, THE LANDSCAPE CONTRACTOR SHALL VERIFY THAT THE ROUGH GRADES OF ALL LANDSCAPE AREAS ARE WITHIN +/-0.1' OF FINISH GRADE. SEE SPECIFICATIONS FOR MORE DETAILED INSTRUCTION ON TURF AREA AND PLANTING BED PREPARATION.
- CONSTRUCT AND MAINTAIN FINISH GRADES AS SHOWN ON GRADING PLANS, AND CONSTRUCT AND MAINTAIN SLOPES AS RECOMMENDED BY THE GEOTECHNICAL REPORT. ALL LANDSCAPE AREAS SHALL HAVE POSITIVE DRAINAGE AWAY FROM STRUCTURES AT THE MINIMUM SLOPE SPECIFIED IN THE REPORT AND ON THE GRADING PLANS, AND AREAS OF POTENTIAL PONDING SHALL BE REGRADED TO BLEND IN WITH THE SURROUNDING GRADES AND ELIMINATE PONDING
- c. THE LANDSCAPE CONTRACTOR SHALL DETERMINE WHETHER OR NOT THE EXPORT OF ANY SOIL WILL BE NEEDED, TAKING INTO ACCOUNT THE ROUGH GRADE PROVIDED, THE AMOUNT OF SOIL AMENDMENTS TO BE ADDED (BASED ON A SOIL TEST, PER SPECIFICATIONS), AND THE FINISH GRADES TO BE ESTABLISHED.
- d. ENSURE THAT THE FINISH GRADE IN SHRUB AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 3" BELOW THE ADJACENT FINISH SURFACE, IN ORDER TO ALLOW FOR PROPER MULCH DEPTH. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY
- e. ENSURE THAT THE FINISH GRADE IN TURF AREAS IMMEDIATELY ADJACENT TO WALKS AND OTHER WALKING SURFACES, AFTER INSTALLING SOIL AMENDMENTS, IS 1" BELOW THE FINISH SURFACE OF THE WALKS. TAPER THE SOIL SURFACE TO MEET FINISH GRADE, AS SPECIFIED ON THE GRADING PLANS, AT APPROXIMATELY 18" AWAY FROM THE WALKS.
- SHOULD ANY CONFLICTS AND/OR DISCREPANCIES ARISE BETWEEN THE GRADING PLANS, GEOTECHNICAL REPORT, THESE NOTES AND PLANS, AND ACTUAL CONDITIONS, THE CONTRACTOR SHALL IMMEDIATELY BRING SUCH ITEMS TO THE ATTENTION OF THE LANDSCAPE
- ARCHITECT, GENERAL CONTRACTOR, AND OWNER. 6. ONCE SOIL PREPARATION IS COMPLETE, THE LANDSCAPE CONTRACTOR SHALL ENSURE THAT THERE ARE NO DEBRIS, TRASH, OR STONES LARGER THAN 1" REMAINING IN THE TOP 6" OF SOIL.

- B SUBMITTALS THE CONTRACTOR SHALL PROVIDE SUBMITTALS AND SAMPLES. IF REQUIRED. TO THE LANDSCAPE
- ARCHITECT, AND RECEIVE APPROVAL IN WRITING FOR SUCH SUBMITTALS BEFORE WORK COMMENCES SUBMITTALS SHALL INCLUDE PHOTOS OF PLANTS WITH A RULER OR MEASURING STICK FOR SCALE. PHOTOS OR SAMPLES OF ANY REQUIRED MULCHES, AND SOIL TEST RESULTS AND PREPARATION RECOMMENDATIONS FROM THE TESTING LAB (INCLUDING COMPOST AND FERTILIZER RATES AND TYPES, AND OTHER AMENDMENTS FOR TREE/SHRUB, TURF, AND SEED AREAS AS MAY BE APPROPRIATE).
- 3. SUBMITTALS SHALL ALSO INCLUDE MANUFACTURER CUT SHEETS FOR PLANTING ACCESSORIES SUCH AS TREE STAKES AND TIES, EDGING, AND LANDSCAPE FABRICS (IF ANY).
- WHERE MULTIPLE ITEMS ARE SHOWN ON A PAGE, THE CONTRACTOR SHALL CLEARLY INDICATE THE ITEM BEING CONSIDERED GENERAL PLANTING
- REMOVE ALL NURSERY TAGS AND STAKES FROM PLANTS. EXCEPT IN AREAS TO BE PLANTED WITH ORNAMENTAL GRASSES, APPLY PRE-EMERGENT HERBICIDES
- AT THE MANUFACTURER'S RECOMMENDED RATE. TRENCHING NEAR EXISTING TREES: CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS
- EQUAL TO 1' FOR EVERY 1" OF TRUNK DIAMETER-AT-BREAST-HEIGHT (4.5' ABOVE THE AVERAGE b. ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE

DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS

- EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ. ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER. WHERE TREE ROOTS 1-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD. TUNNEL UNDER SUCH ROOTS. WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
- d. ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.
- C. TREE PLANTING TREE PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL, AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL LESS TWO TO FOUR INCHES. SCARIEY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE TREE

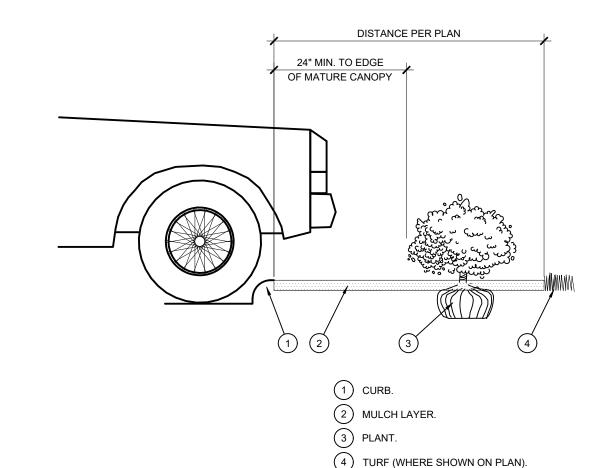
REMOVE ANY GLAZING THAT MAY HAVE BEEN CAUSED DURING THE EXCAVATION OF THE HOLE.

- 3. FOR CONTAINER AND BOX TREES. TO REMOVE ANY POTENTIALLY GIRDLING ROOTS AND OTHER ROOT DEFECTS, THE CONTRACTOR SHALL SHAVE A 1" LAYER OFF OF THE SIDES AND BOTTOM OF THE ROOTBALL OF ALL TREES JUST BEFORE PLACING INTO THE PLANTING PIT. DO NOT "TEASE" ROOTS OUT FROM THE ROOTBALL INSTALL THE TREE ON UNDISTURBED SUBGRADE SO THAT THE TOP OF THE ROOTBALL IS TWO TO
- FOUR INCHES ABOVE THE SURROUNDING GRADE. BACKFILL THE TREE HOLE UTILIZING THE EXISTING TOPSOIL FROM ON-SITE. ROCKS LARGER THAN 1" DIA. AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, USE STORED TOPSOIL FROM ON-SITE OR IMPORT ADDITIONAL TOPSOIL FROM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER. IMPORTED TOPSOIL SHALL BE OF SIMILAR TEXTURAL CLASS AND COMPOSITION IN THE ON-SITE SOIL.
- TREES SHALL NOT BE STAKED UNLESS LOCAL CONDITIONS (SUCH AS HEAVY WINDS OR SLOPES) REQUIRE STAKES TO KEEP TREES UPRIGHT. SHOULD STAKING BE REQUIRED, THE TOTAL NUMBER OF TREE STAKES (BEYOND THE MINIMUMS LISTED BELOW) WILL BE LEFT TO THE LANDSCAPE CONTRACTOR'S DISCRETION. SHOULD ANY TREES FALL OR LEAN, THE LANDSCAPE CONTRACTOR SHALL STRAIGHTEN THE TREE, OR REPLACE IT SHOULD IT BECOME DAMAGED. TREE STAKING SHALL ADHERE TO THE FOLLOWING GUIDELINES:
- TWO STAKES PER TREE THREE STAKES PER TREE
- 2-1/2"-4" TREES TREES OVER 4" CALIPER GUY AS NEEDED
- THREE STAKES PER TREE MINIMUM, QUANTITY AND POSITIONS AS MULTI-TRUNK TREES NEEDED TO STABILIZE THE TREE
- UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. COVER THE INTERIOR OF THE TREE RING WITH MULCH (TYPE AND DEPTH PER PLANS).
- PALM PLANTING PALM PLANTING HOLES SHALL BE EXCAVATED TO MINIMUM WIDTH OF TWO TIMES THE WIDTH OF THE ROOTBALL. AND TO A DEPTH EQUAL TO THE DEPTH OF THE ROOTBALL
- SCARIFY THE SIDES AND BOTTOM OF THE PLANTING HOLE PRIOR TO THE PLACEMENT OF THE PALM. REMOVE ANY GLAZING THAT MAY HAVE BEEN CAUSED DURING THE EXCAVATION OF THE HOLE. 3. USE BANK SAND MIXED WITH THE EXISTING SOIL (75% BANK SAND AND 25% EXISTING SOIL) AS THE BACKFILL. ROCKS LARGER THAN 1" DIA. AND ALL OTHER DEBRIS SHALL BE REMOVED FROM THE SOIL PRIOR TO THE BACKFILL. SHOULD ADDITIONAL SOIL BE REQUIRED TO ACCOMPLISH THIS TASK, IMPORT ADDITIONAL TOPSOIL FROM OFF-SITE AT NO ADDITIONAL COST TO THE OWNER.
- 4. BACKFILL AROUND THE ROOTBALL WITH AMENDED SOIL TO TWO-THIRDS OF THE DEPTH OF THE ROOTBALL AND APPLY THE PALM MAINTENANCE SPIKES PER MANUFACTURER'S DIRECTIONS. BACKFILL THE REST OF THE PLANTING HOLE, TAMPING FIRMLY TO REMOVE AIR POCKETS
- 5. BRACE THE PALMS USING PALM BRACES (PER PLANTING DETAILS). DO NOT SECURE BRACES TO THE PALM ITSELF.
- 6. UPON COMPLETION OF PLANTING, CONSTRUCT AN EARTH WATERING BASIN AROUND THE TREE. TOPDRESS WITH MULCH (TYPE AND DEPTH PER PLANS). SHRUB, PERENNIAL, AND GROUNDCOVER PLANTING DIG THE PLANTING HOLES TWICE AS WIDE AND 2" LESS DEEP THAN EACH PLANT'S ROOTBALL. INSTALL
- THE PLANT IN THE HOLE. BACKFILL AROUND THE PLANT WITH SOIL AMENDED PER SOIL TEST WHEN PLANTING IS COMPLETE, INSTALL MULCH (TYPE AND DEPTH PER PLANS) OVER ALL PLANTING BEDS, COVERING THE ENTIRE PLANTING AREA.
- SOD VARIETY TO BE AS SPECIFIED ON THE LANDSCAPE PLAN.

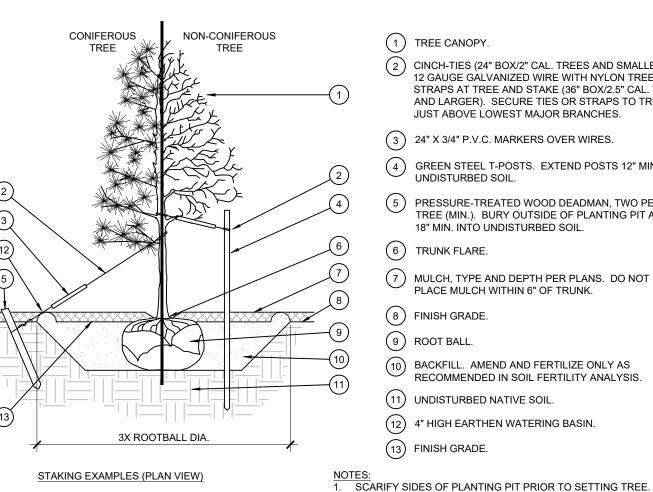
GUARANTEE PERIODS WILL COMMENCE.

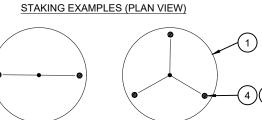
- LAY SOD WITHIN 24 HOURS FROM THE TIME OF STRIPPING. DO NOT LAY IF THE GROUND IS FROZEN LAY THE SOD TO FORM A SOLID MASS WITH TIGHTLY FITTED JOINTS. BUTT ENDS AND SIDES OF SOD
- STRIPS DO NOT OVERLAP. STAGGER STRIPS TO OFFSET JOINTS IN ADJACENT COURSES. 4. ROLL THE SOD TO ENSURE GOOD CONTACT OF THE SOD'S ROOT SYSTEM WITH THE SOIL UNDERNEATH.
- WATER THE SOD THOROUGHLY WITH A FINE SPRAY IMMEDIATELY AFTER PLANTING TO OBTAIN AT LEAST SIX INCHES OF PENETRATION INTO THE SOIL BELOW THE SOD. G. MULCH
- 1. INSTALL MULCH TOPDRESSING, TYPE AND DEPTH PER MULCH NOTE, IN ALL PLANTING AREAS AND TREE RINGS. 2. DO NOT INSTALL MULCH WITHIN 6" OF TREE ROOT FLARE, EXCEPT AS MAY BE NOTED ON THESE PLANS. MULCH COVER WITHIN 6" OF CONCRETE WALKS AND CURBS SHALL NOT PROTRUDE ABOVE THE FINISH. SURFACE OF THE WALKS AND CURBS. MULCH COVER WITHIN 12" OF WALLS SHALL BE AT LEAST 3" LOWER THAN THE TOP OF WALL.
- H CLEAN UP DURING LANDSCAPE PREPARATION AND PLANTING, KEEP ALL PAVEMENT CLEAN AND ALL WORK AREAS IN A NEAT ORDERLY CONDITION LEGALLY DISPOSE ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.
- INSPECTION AND ACCEPTANCE UPON COMPLETION OF THE WORK, THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE SITE CLEAN. FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE LANDSCAPE CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY. WHEN THE INSPECTED PLANTING WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE
- LANDSCAPE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS. THE LANDSCAPE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE LANDSCAPE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND
- THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF ALL WORK SHOWN ON THESE PLANS FOR 90 DAYS BEYOND FINAL ACCEPTANCE OF ALL LANDSCAPE WORK BY THE OWNER. LANDSCAPE MAINTENANCE SHALL INCLUDE WEEKLY SITE VISITS FOR THE FOLLOWING ACTIONS (AS APPROPRIATE): PROPER PRUNING, RESTAKING OF TREES, RESETTING OF PLANTS THAT HAVE SETTLED, MOWING AND AERATION OF LAWNS, WEEDING, TREATING FOR INSECTS AND DISEASES, REPLACEMENT OF MULCH, REMOVAL OF LITTER, REPAIRS TO THE IRRIGATION SYSTEM DUE TO FAULTY PARTS AND/OR WORKMANSHIP, AND THE APPROPRIATE WATERING OF ALL PLANTINGS. THE LANDSCAPE CONTRACTOR SHALL MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER, WITH SCHEDULING ADJUSTMENTS BY SEASON TO MAXIMIZE WATER CONSERVATION.
- 2. SHOULD SODDED AREAS NOT BE COVERED BY AN AUTOMATIC IRRIGATION SYSTEM, THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING THESE AREAS AND OBTAINING A FULL, HEALTHY STAND OF PLANTS AT NO ADDITIONAL COST TO THE OWNER. 3. TO ACHIEVE FINAL ACCEPTANCE AT THE END OF THE MAINTENANCE PERIOD, ALL OF THE FOLLOWING
- CONDITIONS MUST OCCURa. THE LANDSCAPE SHALL SHOW ACTIVE, HEALTHY GROWTH (WITH EXCEPTIONS MADE FOR SEASONAL DORMANCY). ALL PLANTS NOT MEETING THIS CONDITION SHALL BE REJECTED AND REPLACED BY HEALTHY PLANT MATERIAL PRIOR TO FINAL ACCEPTANCE. ALL HARDSCAPE SHALL BE CLEANED PRIOR TO FINAL ACCEPTANCE.
- SODDED AREAS MUST BE ACTIVELY GROWING AND MUST REACH A MINIMUM HEIGHT OF 1 1/2 INCHES BEFORE FIRST MOWING. BARE AREAS LARGER THAN TWELVE SQUARE INCHES MUST BE RESODDED PRIOR TO FINAL ACCEPTANCE. ALL SODDED TURF SHALL BE NEATLY MOWED. K. WARRANTY PERIOD, PLANT GUARANTEE AND REPLACEMENTS
- THE LANDSCAPE CONTRACTOR SHALL GUARANTEE ALL TREES, SHRUBS, PERENNIALS, SOD, AND IRRIGATION SYSTEMS FOR A PERIOD OF ONE YEAR FROM THE DATE OF THE OWNER'S FINAL ACCEPTANCE (90 DAYS FOR ANNUAL PLANTS). THE CONTRACTOR SHALL REPLACE, AT HIS OWN EXPENSE AND TO THE SATISFACTION OF THE OWNER, ANY PLANTS WHICH DIE IN THAT TIME, OR REPAIR ANY PORTIONS OF THE IRRIGATION SYSTEM WHICH OPERATE IMPROPERLY. AFTER THE INITIAL MAINTENANCE PERIOD AND DURING THE GUARANTEE PERIOD, THE LANDSCAPE
- CONTRACTOR SHALL ONLY BE RESPONSIBLE FOR REPLACEMENT OF PLANTS WHEN PLANT DEATH CANNOT BE ATTRIBUTED DIRECTLY TO OVERWATERING OR OTHER DAMAGE BY HUMAN ACTIONS. PROVIDE A MINIMUM OF (2) COPIES OF RECORD DRAWINGS TO THE OWNER UPON COMPLETION OF WORK. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE

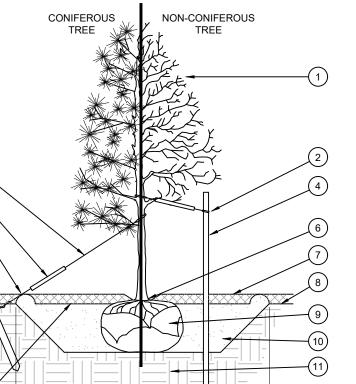
DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING MARKUPS.

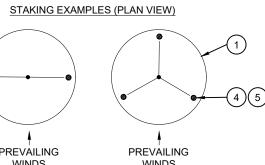


PLANTING AT PARKING AREA

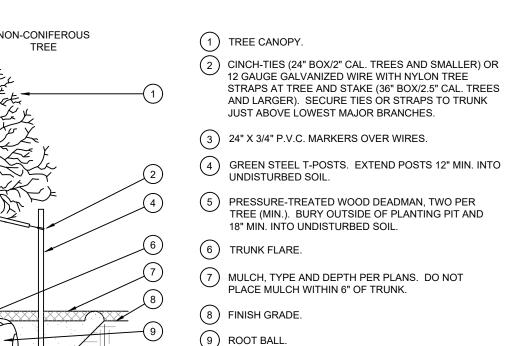












(12) 4" HIGH EARTHEN WATERING BASIN. (13) FINISH GRADE.

(11) UNDISTURBED NATIVE SOIL.

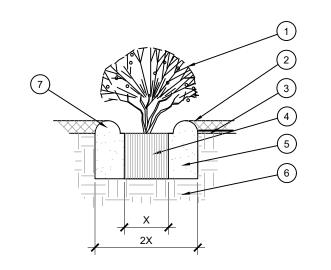
REMOVE EXCESS SOIL APPLIED ON TOP OF THE ROOTBALL THAT COVERS THE ROOT FLARE. THE PLANTING HOLE DEPTH SHALL BE SUCH THAT THE ROOTBALL RESTS ON UNDISTURBED SOIL, AND THE ROOT FLARE IS 2"-4" ABOVE FINISH GRADE. FOR B&B TREES, CUT OFF BOTTOM 1/3 OF WIRE BASKET BEFORE PLACING TREE IN HOLE CUT OFF AND REMOVE REMAINDER OF BASKET AFTER TREE IS SET IN HOLE REMOVE ALL NYLON TIES

10) BACKFILL. AMEND AND FERTILIZE ONLY AS

RECOMMENDED IN SOIL FERTILITY ANALYSIS.

- BURLAP FROM AROUND ROOTBALL AS IS PRACTICAL REMOVE ALL NURSERY STAKES AFTER PLANTING FOR TREES 36" BOX/2.5" CAL. AND LARGER, USE THREE STAKES OR DEADMEN (AS APPROPRIATE), SPACED EVENLY AROUND TREE
- STAKING SHALL BE TIGHT ENOUGH TO PREVENT TRUNK FROM BENDING, BUT LOOSE ENOUGH TO ALLOW SOME TRUNK MOVEMENT

TWINE. ROPE. AND OTHER PACKING MATERIAL. REMOVE AS MUCH



 SHRUB, PERENNIAL, OR ORNAMENTAL GRASS. MULCH TYPE AND DEPTH PER PLANS. PLACE NO. MORE THAN 1" OF MULCH WITHIN 6" OF PLANT CENTER.

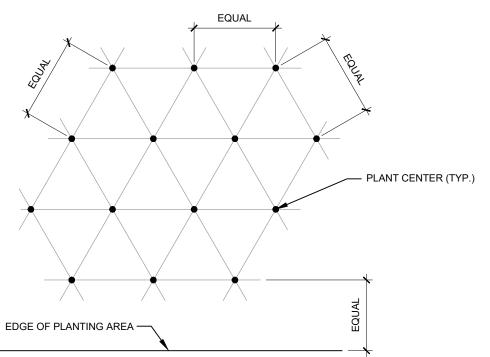
3) FINISH GRADE (4) ROOT BALL

(5) BACKFILL. AMEND AND FERTILIZE ONLY AS RECOMMENDED IN SOIL FERTILITY ANALYSIS.

(6) UNDISTURBED NATIVE SOIL

(7) 3" HIGH EARTHEN WATERING BASIN





NOTE: ALL PLANTS SHALL BE PLANTED AT EQUAL TRIANGULAR SPACING (EXCEPT WHERE SHOWN ON PLANS AS INFORMAL GROUPINGS). REFER TO PLANT LEGEND FOR SPACING DISTANCE BETWEEN PLANTS.

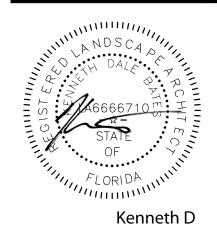
1) STEP 1: DETERMINE TOTAL PLANTS FOR THE AREA WITH THE FOLLOWING FORMULA: TOTAL AREA / AREA DIVIDER = TOTAL PLANTS

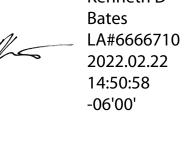
PLANT SPACING PLANT SPACING AREA DIVIDER 0.39 3 46 0.60 5.41 0.87 7.79

2) STEP 2: SUBTRACT THE ROW (S) OF PLANTS THAT WOULD OCCUR AT THE EDGE OF THE PLANTED AREA WITH THE FOLLOWING FORMULA: TOTAL PERIMETER LENGTH / PLANT SPACING = TOTAL PLANT SUBTRACTION

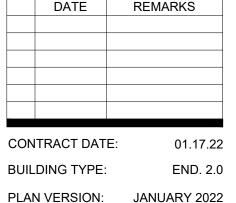
EXAMPLE: PLANTS AT 18" O.C. IN 100 SF PLANTING AREA, 40 LF PERIMETER STEP 1: 100 SF/1.95 = 51 PLANTS STEP 2: 51 PLANTS - (40 LF / 1.95 = 21 PLANTS) = 30 PLANTS TOTAL







Site Review 03/17/2022 2:07:24



PLAN VERSION: **BRAND DESIGNER** SITE NUMBER: 315420 STORE NUMBER 457313 PA/PM: JN DRAWN BY

TACO BELL

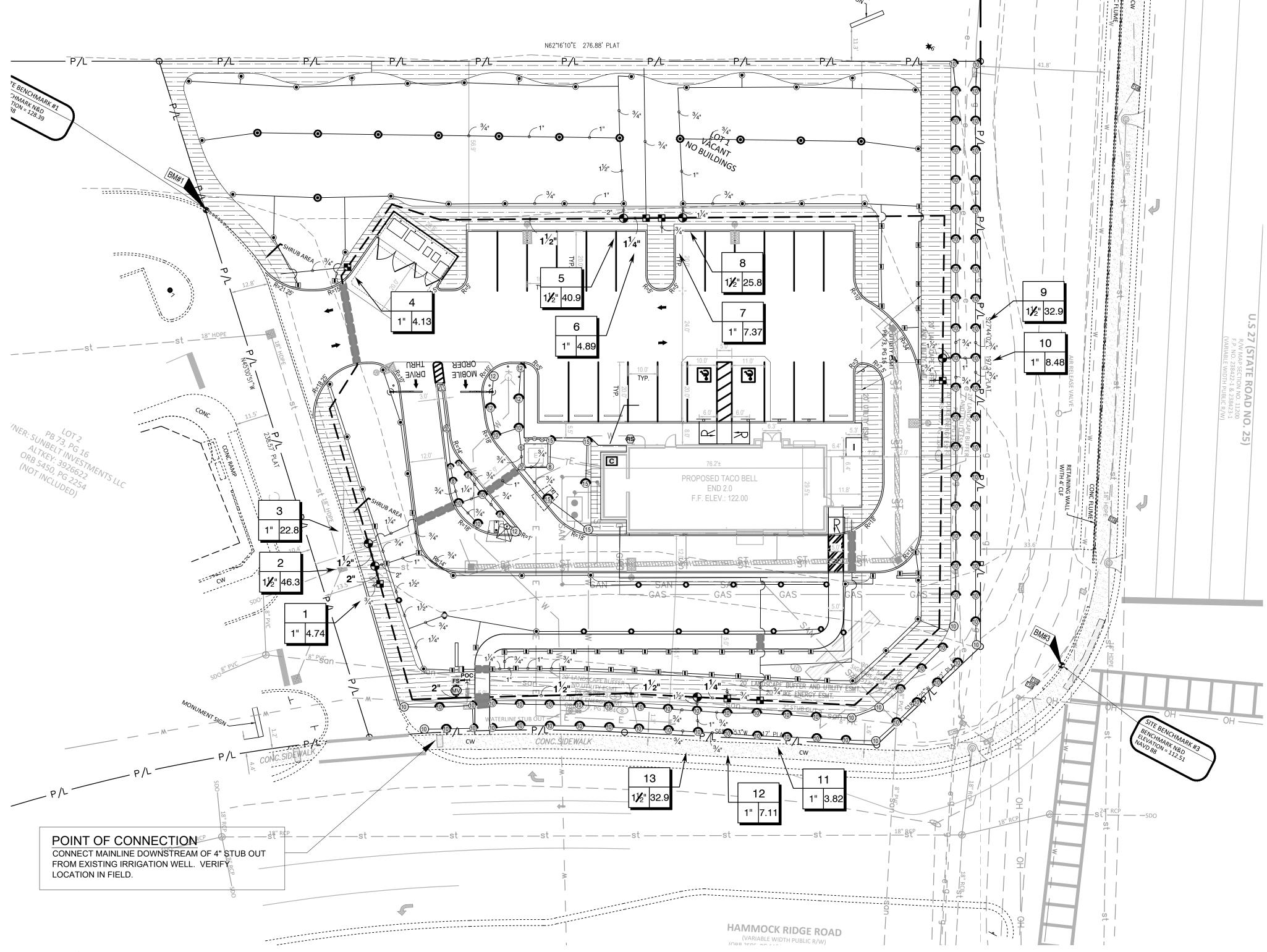
2021088.46

JOB NO.:

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0





Scale 1" = 20'

NOTE: PRINTED DRAWING SIZE MAY HAVE CHANGED FROM ORIGINAL. VERIFY SCALE USING BAR SCALE ABOVE.

CONTROLLER NOTE

LOCATE CONTROLLER AT LOCATION SHOWN ON PLAN. VERIFY LOCATION IN FIELD WITH OWNER'S REPRESENTATIVE.

120 VAC POWER TO CONTROLLER LOCATION IS NOT WITHIN THE IRRIGATION CONTRACTOR'S SCOPE OF WORK, AND SHALL BE PROVIDED BY OTHERS. HOOK-UP OF CONTROLLER TO 120 VAC SHALL BE PERFORMED BY THE IRRIGATION CONTRACTOR. IRRIGATION CONTRACTOR SHALL COORDINATE LOCATION OF WIRE SLEEVE PENETRATIONS THROUGH BUILDING WITH OWNER AND GENERAL CONTRACTOR. STATION RUN ORDER SHALL MATCH PLANS.

SLEEVING / WIRING NOTES:

IN ADDITION TO PROVIDING SLEEVES FOR ALL PIPING UNDER ROADWAYS AND WALKWAYS, THE IRRIGATION CONTRACTOR SHALL PROVIDE AND INSTALL SCH. 40 PVC SLEEVES FOR ALL CONTROLLER WIRES OCCURRING UNDER ALL ROADWAYS AND WALKWAYS. SLEEVES FOR CONTROLLER WIRES SHALL BE 2" DIA. AND CONTAIN NO MORE THAN 25 WIRES.

AUTOMATIC DRAIN VALVES AND AIR RELIEF VALVES

INSTALL AUTOMATIC DRAIN VALVES AT THE LOW POINTS OF EACH LATERAL LINE (MIN. 2 PER VALVE) AS PER DETAIL L, SHEET LI4. INSTALL AIR RELIEF VALVES ON DRIP SYSTEMS AT THE LOCATIONS SHOWN ON THE PLANS, AS AS PER DETAILS.

VALVES, EQUIPMENT & PIPF

.VES, I	EQUIPMENT & PIPE		
YMBOL	MANUFACTURER/MODEL/DESCRIPTION		
•	RAIN BIRD PEB-NP-HAN 1", 1-1/2", 2" PLASTIC INDUSTRIAL VALVES. LOW FLOW OPERATING CAPABILITY, GLOBE CONFIGURATION. WITH PURPLE HANDLE FOR NON-POTABLE WATER USE.	FS	RAIN BIRD FS-150-B 1-1/2" FLOW SENSOR WITH RAIN BIRD IVM-SEN. BRASS MODEL. SUGGESTED OPERATING RANGE OF 2.0 GPM TO 82.6 GPM. SENSORS SHOULD BE SIZED FOR FLOW RATHER THAN PIPE SIZE.
(RAIN BIRD EFB-CP-PRS-D 2" 1", 1-1/4", 1-1/2", 2" BRASS MASTER VALVE, THAT IS CONTAMINATION PROOF W/SELF-FLUSHING FILTER SCREEN. GLOBE CONFIGURATION, RECLAIMED WATER COMPATIBLE, AND PURPLE HANDLE COVER DESIGNATES NON-POTABLE WATER USE. WITH PRESSURE REGULATOR.		IRRIGATION LATERAL LINE: PVC CLASS 200 SDR 21-NP PVC CLASS 200 NON-POTABLE PURPLE IRRIGATION PIPE. ONLY LATERAL TRANSITION PIPE SIZES 1" AND ABOVE ARE INDICATED ON THE PLAN, WITH ALL OTHERS BEING 3/4" IN SIZE.
C	RAIN BIRD ESP12LXMEF W/ (1) ESPLXMSM12 24 STATION, TRADITIONALLY-WIRED, FLOW SMART, COMMERCIAL CONTROLLER. (1) ESP12LXMEF 12-STATION, FLOW SMART, (MODULE INCLUDED) INDOOR/OUTDOOR, PLASTIC WALL-MOUNT ENCLOSURE W/ (1) ESPLXMSM12 - 12-STATION EXPANSION MODULES.		 IRRIGATION MAINLINE: PVC SCHEDULE 40 NON-POTABLE PURPLE PIPE PIPE SLEEVE: PVC SCHEDULE 40
(RS)	RAIN BIRD WR2-RFC WIRELESS RAIN AND FREEZE SENSOR COMBO, INCLUDES 1 RECEIVER AND 1 RAIN/FREEZE SENSOR TRANSMITTER.	# •	Valve Callout Valve Number

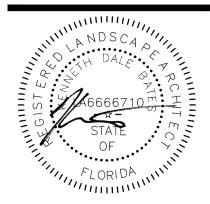
IRRIGATION SCHEDULE

	ON SCHEDULE			
SYMBOL MANUFACTURER/MODEL/DESCRIPTION PAIN RIPD 4000 PRO NE 00 05 RIPO		<u>PSI</u>		
© ⊕ © ♠ ♠ ♠ 2Q 2H 2F 4Q 4H 4F	MIDED CEAL CIDE AND DOTTOM INLET 1/2" NIDT CEMALE			
EST LCS RCS CST SST	RAIN BIRD 1806-PRS-NP 15 STRIP SERIES TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING. WITH NON POTABLE PURPLE CAP.	30		
⑤ ⑤ ⑤ Q H F	RAIN BIRD 1806-PRS-NP 5 SERIES MPR TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING. WITH NON POTABLE PURPLE CAP.	30		
8 8 8 8 Q T H F	RAIN BIRD 1806-PRS-NP 8 SERIES MPR TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING. WITH NON POTABLE PURPLE CAP.	30		
10 10 10 10 Q T H F	RAIN BIRD 1806-PRS-NP 10 SERIES MPR TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING. WITH NON POTABLE PURPLE CAP.	30		
12 12 12 12 Q T H TQ F	RAIN BIRD 1806-PRS-NP 12 SERIES MPR TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING. WITH NON POTABLE PURPLE CAP.	30		
(15) (15) (15) (15) Q T H TQ F	RAIN BIRD 1806-PRS-NP 15 SERIES MPR TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING. WITH NON POTABLE PURPLE CAP.	30		
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	RAIN BIRD 1806-PRS-NP ADJ TURF SPRAY 6" POP-UP SPRINKLER WITH CO-MOLDED WIPER SEAL. SIDE AND BOTTOM INLET. 1/2" NPT FEMALE THREADED INLET. PRESSURE REGULATING. WITH NON POTABLE PURPLE CAP.	30		
R-VAN-LCS R-VAN-RCS R-VAN-SST	RAIN BIRD R-VAN-STRIP RD06-S-P-45-NP TURF ROTARY, 5'X15' (LCS AND RCS), 5'X30' (SST) HAND ADJUSTABLE MULTI-STREAM ROTARY W/ RD06-S-P-45-NP TURF SPRAY BODY ON 6.0" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30		
R-VAN14 R-VAN14-360	RAIN BIRD R-VAN14 RD06-S-P-45-NP TURF ROTARY, 8`-14` 45°-270° AND 360° HAND ADJUSTABLE MULTI-STREAM ROTARY W/RD06-S-P-45-NP TURF SPRAY BODY ON 6.0" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30		
R-VAN18 R-VAN18-360	RAIN BIRD R-VAN18 RD06-S-P-45-NP TURF ROTARY, 13`-18` 45°-270° AND 360° HAND ADJUSTABLE MULTI-STREAM ROTARY W/RD06-S-P-45-NP TURF SPRAY BODY ON 6.0" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30		
R-VAN24 R-VAN24-360	RAIN BIRD R-VAN24 RD06-S-P-45-NP TURF ROTARY, 17`-24` 45°-270° AND 360° HAND ADJUSTABLE MULTI-STREAM ROTARY W/RD06-S-P-45-NP TURF SPRAY BODY ON 6.0" POP-UP, WITH CHECK VALVE AND 45 PSI IN-STEM PRESSURE REGULATOR. 1/2" NPT FEMALE THREADED INLET.	30		
SYMBOL	MANUFACTURER/MODEL/DESCRIPTION			
	RAIN BIRD XCZ-100-PRB-COM WIDE FLOW DRIP CONTROL KIT FOR COMMERCIAL APPLICATIONS. 1" BALL VALVE WITH 1" PESB VALVE AND 1" PRESSURE REGULATING 40PSI QUICK-CHECK BASKET FILTER. 0.3GPM TO 20GPM.			
©	RAIN BIRD MDCFCAP DRIPLINE FLUSH VALVE CAP IN COMPRESSION FITTING COUPLER.			
@	RAIN BIRD ARV050 1/2" AIR RELIEF VALVE, MADE OF QUALITY RUST-PROOF MATERIALS, WITH A 6.0" DRIP VALVE BOX (SEB 7XB EMITTER BOX). USE WITH INSTALLATION BELOW SOIL. THE VALVE WILL ALLOW AIR TO ESCAPE THE PIPELINE, THUS PREVENTING WATER HAMMER OR BLOCKAGE.			
	AREA TO RECEIVE DRIPLINE RAIN BIRD XFSPS-06-18 XFS SUB-SURFACE PRESSURE COMPENSATING DRIPLINE W/COPPER SHIELD TECHNOLOGY. 0.6 GPH EMITTERS AT 18" O.C. LATERALS SPACED AT 18" APART, WITH EMITTERS OFFSET FOR TRIANGULAR PATTERN. UV RESISTANT. SPECIFY XF INSERT FITTINGS. NON-POTABLE PURPLE STRIPE. NOTE: FOR EACH NEW TREE WITHIN AREAS COVERED BY LANDSCAPE DRIP LINE, ADD THREE PC-07 (OR EQUAL) EMITTERS WITH DIFFUSER CAPS, PER DETAILS			
2) CONTRACTOR SHALL US	SE PC SCREENS ON FIXED SPRAY HEADS AS NEEDED TO ACHIEVE APPROPRIATE F SE VARIABLE-ARC ROTARY NOZZLES WHERE NECESSARY. DJUST ROTOR ARCS WHERE NECESSARY.	RADII.		
IRRIGATION DIS	CLAIMER			

THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY, AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLAN. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT WITH THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION, OR IRRIGATION CONTRACTOR MAY BE REQURED TO MOVE SUCH ITEMS AT HIS OWN COST.

IRRIGATION CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FINAL QUANTITIES PER DRAWINGS AND SPECIFICATIONS. ANY QUANTITIES PROVIDED ARE PROVIDED AS A CONVENIENCE TO THE CONTRACTOR ONLY AND SHALL NOT BE CONSIDERED





Kenneth D 2022.02.22 14:47:01 -06'00'

Site Review 03/17/2022 2:07:24

CON	ITRACT DAT	E:	01.17.22
BUIL	DING TYPE:		END. 2.0
PLAI	N VERSION:		JANUARY 2022
BRA	ND DESIGNI	ER:	
SITE	NUMBER:		315420

TACO BELL

2021088.46

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711

STORE NUMBER:

PA/PM:

DRAWN BY.

JOB NO.:



ENDEAVOR 2.0

IRRIGATION PLAN



<u>GENERAL</u>

- A. QUALIFICATIONS OF IRRIGATION CONTRACTOR
- ALL WORK SHOWN ON THESE PLANS SHALL BE PERFORMED BY A SINGLE IRRIGATION CONTRACTING FIRM SPECIALIZING IN IRRIGATION SYSTEMS. SEE THE IRRIGATION PLAN FOR SPECIFIC EQUIPMENT AND SYSTEM LAYOUT.
- 2. THE IRRIGATION CONTRACTOR MUST HAVE ON ITS STAFF A LICENSED IRRIGATION INSTALLER, AS REGULATED BY THE APPROPRIATE LOCAL JURISDICTION. A LICENSED IRRIGATION INSTALLER SHALL BE PRESENT AT THE PROJECT SITE AT ALL TIMES AS WORK IS IN PROGRESS. THE OWNER MAY DEMAND THAT WORK STOP UNTIL THE CONTRACTOR PROVIDES FOR A LICENSED IRRIGATION INSTALLER TO BE PRESENT AT THE PROJECT SITE AND SUPERVISING ALL IRRIGATION WORK.
- 3. A LIST OF SUCCESSFULLY COMPLETED PROJECTS OF THIS TYPE, SIZE AND NATURE MAY BE REQUESTED BY THE OWNER FOR FURTHER QUALIFICATION MEASURES.
- B. SCOPE OF WORK . WORK COVERED BY THESE SECTIONS INCLUDES THE FURNISHING AND PAYMENT OF ALL MATERIALS, LABOR, SERVICES, EQUIPMENT, LICENSES, TAXES, FEES, AND ANY OTHER ITEMS THAT ARE NECESSARY FOR THE EXECUTION INSTALLATION AND COMPLETION OF ALL WORK SPECIFIED HEREIN AND/OR SHOWN ON THE IRRIGATION PLANS, NOTES, AND DETAILS. 2 ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE LAWS, CODES AND
 - REGULATIONS REQUIRED BY AUTHORITIES HAVING JURISDICTION OVER SUCH WORK, INCLUDING ALL INSPECTIONS AND PERMITS REQUIRED BY FEDERAL. STATE AND LOCAL AUTHORITIES IN SUPPLY, TRANSPORTATION AND INSTALLATION OF MATERIALS. IN CASE OF CONFLICT BETWEEN THESE PLANS AND LOCAL AND/OR STATE CODES, CODES SHALL
 - 3. THE INTENT OF THE IRRIGATION SYSTEM IS TO PROVIDE 100% COVERAGE OF ALL LANDSCAPE AREAS. THE IRRIGATION PLAN IS GENERALLY DIAGRAMMATIC; COORDINATE IRRIGATION INSTALLATION WITH UTILITY INSTALLATIONS. ACTUAL LOCATION OF CONTROLLER, BACKFLOW DEVICE, PIPING, VALVES, SPRAY HEADS, DRIP IRRIGATION, AND RELATED
 - EQUIPMENT MAY NEED TO BE ADJUSTED BASED ON ACTUAL SITE CONDITIONS 4. FOR CLARITY PURPOSES, SOME IRRIGATION LINES AND EQUIPMENT ARE SHOWN IN HARDSCAPE AREAS WITHOUT ACCESS SLEEVES; THESE LINES SHALL BE INSTALLED IN A COMMON TRENCH OR AT THE BACK OF CURB IN LANDSCAPE AREAS. MINOR FIELD ADJUSTMENTS SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.

PRODUCTS

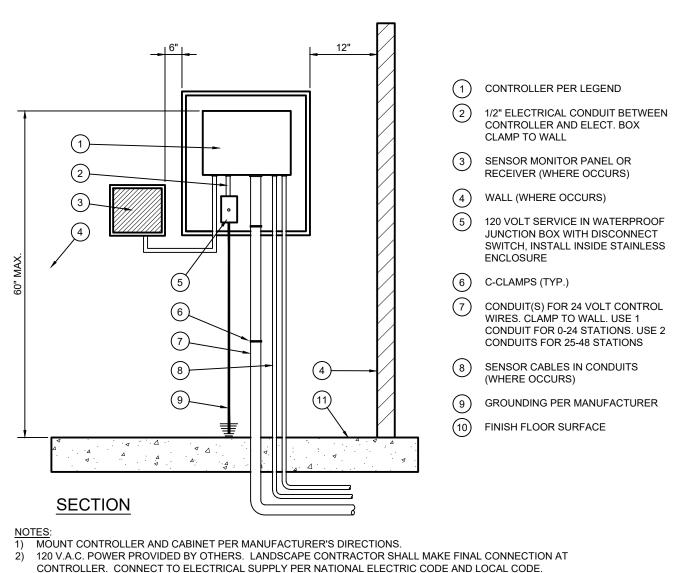
- A. ALL MATERIALS SHALL BE NEW AND WITHOUT FLAWS OR DEFECTS OF ANY TYPE AND SHALL BE THE BEST OF THEIR CLASS AND KIND. ALL MATERIALS SHALL HAVE A MINIMUM GUARANTEE OF ONE YEAR AGAINST MATERIAL DEFECTS OR DEFECTIVE WORKMANSHIP. ALL MATERIALS SHALL BE OF THE BRANDS AND TYPES NOTED ON THE DRAWINGS OR AS SPECIFIED HEREIN, OR APPROVED EQUAL. THE CONTRACTOR MUST FIRST OBTAIN APPROVAL FROM THE IRRIGATION DESIGNER FOR AN 'APPROVED EQUAL' BEFORE INSTALLING SUCH MATERIALS IN THE FIELD, OR THE CONTRACTOR
- MAY BE REQUIRED TO REPLACE SUCH MATERIALS AT HIS OWN COST. B. BACKFLOW PREVENTION DEVICES SHALL BE OF THE SIZE AND TYPE INDICATED ON THE DRAWINGS. INSTALL BACKFLOW PREVENTION UNITS IN ACCORDANCE WITH IRRIGATION CONSTRUCTION
- DETAILS AND ALL APPLICABLE STATE AND LOCAL CODES AND ORDINANCES. 1. PRESSURE SUPPLY LINES, DOWNSTREAM OF THE POINT-OF-CONNECTION:
- SCHEDULE 40 PVC FOR ALL PIPE 1-1/2" OR LESS
- CLASS 315 PVC FOR ALL PIPE 2" TO 2-1/2" CLASS 200 PVC, GASKETED, FOR ALL PIPE 3" AND LARGER
- 2. SLEEVING AND NON-PRESSURE LATERAL LINES (DOWNSTREAM FROM VALVES): CLASS 200
- 3. FITTINGS: SCH. 40 PVC, EXCEPT AS NOTED OTHERWISE. D. VALVES AND DRIP VALVE ASSEMBLIES: TYPE AND SIZE AS NOTED ON PLANS. EACH VALVE SHALL BEAR A PRE-MANUFACTURED, NUMBERED WATERPROOF TAG BEARING A NUMBER CORRESPONDING TO ITS VALVE SEQUENCE OF OPERATION ON THE CONTROLLER. THE
- OPERATION SEQUENCE SHALL MATCH THAT AS SHOWN ON THE PLANS. QUICK COUPLERS, BALL VALVES, AND GATE VALVES: TYPE AND SIZE PER PLANS.
- VALVE BOXES: TYPE AND SIZE AS NOTED ON DETAILS. ALL VALVES BOXES SHALL BE LOCKING BOLT-DOWN TYPE, FURNISHED WITH LIDS AND BOLTS. BOXES SHALL BE OF A SIZE TO CONTAIN THE ENTIRE VALVE AND/OR VALVE ASSEMBLY. THE VALVE BOX LID SHALL HAVE THE VALVE STATION NUMBER HEAT-BRANDED INTO THE LID WITH 2" HIGH LETTERS
- FIXED SPRAY HEADS AND ROTORS: PLASTIC BODY POP-UP, WITH A REMOVABLE PLASTIC SPRAY NOZZLE. EXACT TYPE, MODEL, AND NOZZLE SHALL BE AS INDICATED ON PLANS.
- INTEGRAL EMITTER DRIP TUBING: TUBING MODEL AND FLOW RATE AS NOTED ON PLANS, WITH INTEGRAL EMITTERS WELDED TO THE INSIDE WALL OF THE TUBING AS AN INTEGRAL PART OF THE TUBING ASSEMBLY
- AUTOMATIC CONTROLLER: TYPE AND MODEL PER PLANS. PROVIDE VANDAL-PROOF ENCLOSURE FOR ALL EXTERIOR INSTALLATIONS. PROVIDE LINE-VOLTAGE DISCONNECT SWITCH WITH GROUND FAULT PROTECTION
- 24 VOLT VALVE WIRE SHALL BE A MINIMUM OF #14 GAUGE, U.F. APPROVED FOR DIRECT BURIAL, SINGLE CONDUCTOR IRRIGATION WIRE. EACH CONTROLLER SHALL HAVE A DIFFERENT COLOR STATION AND COMMON WIRE. STATION WIRE - ANY COLOR EXCEPT WHITE OR BLUE
- COMMON WIRE WHITE
- EXTRA COMMON WIRES BLUE
- K. WIRE SPLICES SHALL BE ENCASED IN A WATERPROOF COMPOUND OR GEL. ALL FIELD SPLICES SHALL BE LOCATED IN A 6 INCH ROUND VALVE BOX L. RAIN SENSOR: TYPE AND MODEL PER PLANS.

- A. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, AND OTHER EQUIPMENT SHOWN WITHIN PAVED AREAS OR OUT OF PROPERTY BOUNDARIES ARE FOR DESIGN CLARIFICATION ONLY. AND SHALL BE INSTALLED IN PLANTING AREAS WITHIN THE PROPERTY LINES OR LIMITS INDICATED ON PLAN. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL ABOVE-GRADE IRRIGATION EQUIPMENT WITH THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO INSTALLATION. OR IRRIGATION CONTRACTOR MAY BE REQURED TO MOVE SUCH ITEMS AT HIS OWN COST. ENSURE FIELD COORDINATION IS MADE EARLY ON IN THE CONSTRUCTION PHASE SO PLACEMENT LOCATION IS CORRECT
- THE IRRIGATION CONTRACTOR SHALL MEET WITH THE OWNER'S REPRESENTATIVE PRIOR TO COMMENCEMENT OF WORK, AND SHALL OBTAIN ALL ENGINEERING, LANDSCAPE, AND OTHER APPLICABLE PLANS & DOCUMENTS. THE CONTRACTOR SHALL THOROUGHLY REVIEW THE PLANS AND REPORT ANY CONFLICTS OR DISCREPANCIES TO THE LANDSCAPE ARCHITECT AND OWNER'S REPRESENTATIVE IMMEDIATELY
- THE IRRIGATION CONTRACTOR SHALL NOT WILFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWINGS WHEN IT IS OBVIOUS IN THE FIELD THAT UNKNOWN OBSTRUCTIONS, GRADES OR DIMENSIONS EXIST THAT MIGHT NOT HAVE BEEN CONSIDERED IN THE ENGINEEERING. SUCH OBSTRUCTIONS OR DIFFERENCES SHALL BE BROUGHT TO THE ATTENTION OF THE IRRIGATION DESIGNER. IN THE EVENT THAT THIS NOTIFICATION IS NOT PERFORMED, THE IRRIGATION
- CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS AND NECESSARY COSTS. CHOOSE ONE: SEE UTILITY PLANS FOR IRRIGATION POINTS OF CONNECTION (TAP) AND DOMESTIC WATER SUPPLY. - OR - THE IRRIGATION CONTRACTOR SHALL COORDINATE AND PAY FOR THE INSTALLATION OF THE IRRIGATION TAP AND METER.
- THE IRRIGATION CONTRACTOR SHALL PAY ANY AND ALL FEES AND PERMITS ASSOCIATED WITH THE INSTALLATION OF THE IRRIGATION SYSTEM.
- AT LEAST SEVEN DAYS BEFORE BEGINNING WORK, CONFIRM THE STATIC WATER PRESSURE IS AT LEAST 55 PSI AND LESS THAN 70 PSI. IF STATIC WATER PRESSURE IS OUTSIDE OF THE STATED RANGE DO NOT PROCEED WITHOUT FIRST NOTIFYING THE IRRIGATION DESIGNER AND OWNER IN WRITING, AND OBTAINING SUBSEQUENT DIRECTION FOR CORRECTIONAL MEASURES. SHOULD THE IRRIGATION CONTRACTOR CHOOSE TO REGIN THE INSTALL ATION WITHOUT SLICH NOTIFICATION THE IRRIGATION CONTRACTOR WILL ASSUME THE RESPONSIBILITY FOR ALL COSTS INCURRED TO ENSURE THE SYSTEM IS WORKING PROPERLY. NO CHANGE ORDERS WILL BE AUTHORIZED IN
- SUCH CIRCUMSTANCES G. THE IRRIGATION CONTRACTOR SHALL VERIFY THE LOCATION OF ALL UNDERGROUND UTILITY LINES (WATER, SEWER, ELECTRICAL, TELEPHONE, GAS, CABLE, TELEVISION, ETC.) PRIOR TO THE START OF ANY WORK. THE CONTRACTOR SHALL BE FAMILIAR WITH ALL GRADE DIFFERENCES, LOCATIONS OF WALLS, STRUCTURES AND UTILITIES.
- COORDINATE WITH THE OWNER THE PROPOSED LOCATIONS OF THE AUTOMATIC CONTROLLER AND ANY REQUIRED SLEEVES THROUGH THE BUILDING FOR CONTROL WIRES. TRENCHING NEAR EXISTING TREES:
- CONTRACTOR SHALL NOT DISTURB ROOTS 1-1/2" AND LARGER IN DIAMETER WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES, AND SHALL EXERCISE ALL POSSIBLE CARE AND PRECAUTIONS TO AVOID INJURY TO TREE ROOTS, TRUNKS, AND BRANCHES. THE CRZ IS DEFINED AS A CIRCULAR AREA EXTENDING OUTWARD FROM THE TREE TRUNK, WITH A RADIUS EQUAL TO 1' FOR EVERY 1" OF TRUNK DIAMETER-AT-BREAST-HEIGHT (4.5' ABOVE THE AVERAGE GRADE AT THE TRUNK).
- 2. ALL EXCAVATION WITHIN THE CRZ SHALL BE PERFORMED USING HAND TOOLS. NO MACHINE EXCAVATION OR TRENCHING OF ANY KIND SHALL BE ALLOWED WITHIN THE CRZ. 3. ALTER ALIGNMENT OF PIPE TO AVOID TREE ROOTS 1-1/2" AND LARGER IN DIAMETER. WHERE
- TREE ROOTS 1-1/2" AND LARGER IN DIAMETER ARE ENCOUNTERED IN THE FIELD, TUNNEL UNDER SUCH ROOTS. WRAP EXPOSED ROOTS WITH SEVERAL LAYERS OF BURLAP AND KEEP MOIST. CLOSE ALL TRENCHES WITHIN THE CANOPY DRIP LINES WITHIN 24 HOURS.
- 4. ALL SEVERED ROOTS SHALL BE HAND PRUNED WITH SHARP TOOLS AND ALLOWED TO AIR-DRY. DO NOT USE ANY SORT OF SEALERS OR WOUND PAINTS.

- MATERIAL SHALL BE FREE FROM RUBBISH, ROCK LARGER THAN 1", LARGE STONES, BRUSH. SOD, FROZEN MATERIAL OR OTHER UNSUITABLE SUBSTANCES THAT MAY DAMAGE PIPE DURING THE BACKFILLING OPERATIONS. SEPARATE OUT ROCKS LARGER THAN 1 INCH IN ANY DIRECTION FROM EXCAVATED MATERIAL. AND REMOVE FROM AREAS TO RECEIVE OF ROCK-FREE SOIL, SAND, OR OTHER APPROVED MATERIAL.
- 2. IN THE EVENT THAT THE MATERIAL FROM THE EXCAVATION OR TRENCHING IS FOUND TO BE UNSUITABLE FOR USE IN BACKFILL, IT SHALL BE REMOVED FROM THE SITE AND PROPERLY AND LEGALLY DISPOSED OF BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL THEN PURCHASE AND AND FURNISH SUITABLE BACKELL MATERIAL
- BACKFLOW PREVENTER INSTALLATION: CONTRACTOR SHALL MAKE CONNECTIONS TO EXISTING WATER SOURCES AT LOCATION SHOWN ON PLANS AND AS APPROVED BY THE OWNER, AND SHALL MAKE ANY MINOR CHANGES IN LOCATION AS MAY BE NECESSARY DUE TO ACTUAL SITE CONDITIONS. BACKFLOW PREVENTER HEIGHT SHALL BE AS PER LOCAL CODES AND IRRIGATION DETAILS. INSTALL A BRASS BALL VALVE IMMEDIATELY UPSTREAM OF THE BACKFLOW DEVICE TO SERVE AS AN ISOLATION VALVE. TO EVERY EXTENT POSSIBLE INSTALL BACKELOW PREVENTER.
- 2. MAINLINE PIPE AND WIRES SHALL BE INSTALLED WITH A MINIMUM COVER OF 18 INCHES (24" FOR MAINLINE 3"-5", AND 30" FOR MAINLINE 6" AND GREATER). LATERAL PIPE SHALL BE
- 4. ALL SOLVENT-WELD CONNECTIONS SHALL BE MADE WITH APPROVED SOLVENT-WELD PRIMER AND GLUE.
- OTHER PIPE AND 2" VERTICAL CLEARANCE FROM ANY PIPES THAT CROSS OVER OR UNDER.
- DETAILS. 2. VALVE BOXES SHALL BE INSTALLED FLUSH WITH THE GRADE, WITH CLEAN PEA GRAVEL
- 3. EACH VALVE BOX COVER SHALL BE HEAT-BRANDED WITH THE CONTROLLER STATION NUMBER
- SUBSURFACE DRIP LINES SHALL BE BURIED NO MORE THAN 2" BELOW FINISH GRADE. DRIP LINES MOUNTED ON GRADE SHALL BE LOCATED BENEATH LANDSCAPE FABRIC, AND SECURED IN PLACE WITH WIRE STAPLES AT A MAXIMUM OF 24"-36" ON CENTER.
- O. SPRAY, ROTOR, AND BUBBLER HEADS: ALL SPRAY AND ROTOR HEAD LOCATIONS SHALL BE STAKED, FLAGGED AND/OR OTHERWISE CLEARLY MARKED ON THE GROUND PRIOR TO INSTALLATION. SPRINKLER HEAD STAKING
- 2. ALL SPRAY HEADS SHALL BE CONNECTED WITH A 12 INCH MINIMUM LENGTH OF $\frac{1}{2}$ INCH FLEX PVC. THE FLEX PVC SHALL BE SOLVENT WELDED TO SCHEDULE 40 PVC FITTINGS WITH
- LATERAL LINES WITH PRE-MANUFACTURED SWING JOINTS. 3. ALL ROTOR, SPRAY AND BUBBLER HEADS SHALL BE SET PERPENDICULAR AND FLUSH TO FINISH GRADE AND WITH A CLEARANCE OF FOUR INCHES (MINIMUM) FROM THE EDGE OF ANY BUILDINGS, WALLS, BOULDERS, AND HARDSCAPE, WITH A CLEARANCE OF TWELVE INCHES
- 4. ALL ROTOR, SPRRAY AND BUBBLER HEADS AND VALVES SHALL BE FLUSHED AND ADJUSTED FOR OPTIMUM COVERAGE WITH MINIMUM OVERSPRAY ON WALKS, STREETS, WALLS, ETC. AUTOMATIC CONTROLLER:
- INSTALL THE CONTROLLER AT THE LOCATION INDICATED BY THE OWNER. INSTALL
- THE IRRIGATION CONTRACTOR SHALL COORDINATE 120 V.A.C. ELECTRICAL POWER TO CONTROLLERS AND DEDICATE ONE (1) 20-AMP BREAKER FOR EACH CONTROLLER. IT SHAL BE THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO MAKE THE FINAL HOOK-UP
- 3. ALL VALVE CONTROL WIRE SHALL BE AWG 14 TYPE UF, 600 VOLT TEST, DIRECT BURIAL. NO SPLICES SHALL BE ALLOWED EXCEPT AT VALVES AND CONTROLLER. WHERE SPLICES MAY SPLICES IN 6" ROUND VALVE BOXES WITH 3M'S "DBY-DIRECT BURIAL SPLICE KIT". THE CONTRACTOR SHALL LABEL ALL WIRES WITH WATERPROOF TAGS AND MARKERS AT ALL SPLICES AND VALVE MANIFOLDS, AND SHALL LEAVE A 24" COIL OF EXCESS WIRE AT EACH
- PROVIDE THREE ADDITIONAL IRRIGATION CONTROL WIRES ALONG EACH BRANCH OF MAINLINE FOR FUTURE EXPANSION. STUB ADDITIONAL CONTROL WIRES INTO BACK OF IRRIGATION CONTROLLERS.
- THE IRRIGATION CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING ALL CONTROL WIRE
- IMMEDIATELY REPAIRED OR REPLACED AT THE CONTRACTOR'S OWN COST. ALL IRRIGATION EQUIPMENT NOT OTHERWISE DETAILED OR SPECIFIED SHALL BE INSTALLED AS PER MANUFACTURER'S RECOMMENDATIONS AND SPECIFICATIONS.
- PERFORM COVERAGE TESTS AFTER IRRIGATION SYSTEM IS COMPLETED, BUT PRIOR TO ANY PLANTING AND PERFORM TESTING IN THE PRESENCE OF THE IRRIGATION DESIGNER AND THE CONSTRUCTION MANAGER.
- COMPLETELY AND UNIFORMLY.
- REALIGNMENT OF HEADS AND REPLACEMENT OF NOZZLES. DURING IRRIGATION EXCAVATION AND INSTALLATION, KEEP ALL PAVEMENT CLEAN AND ALL
- V. INSPECTION AND ACCEPTANCE 1. UPON COMPLETION OF THE WORK, THE IRRIGATION CONTRACTOR SHALL PROVIDE THE SITE CLEAN, FREE OF DEBRIS AND TRASH, AND SUITABLE FOR USE AS INTENDED. THE IRRIGATION
- ACCEPTANCE WILL BE ISSUED BY THE OWNER, AND THE MAINTENANCE AND GUARANTEE PERIODS WILL COMMENCE
- 4. CONTROLLER CHART: THE IRRIGATION CONTRACTOR SHALL PROVIDE A 11" X 17" COLOR-CODED, LAMINATED COPY OF THE IRRIGATION LAYOUT AND PLACE IT IN THE CONTROLLER'S COVER. THE CONTROLLER CHART SHALL CLEARLY DELINEATE THE AREAS
- COVERED BY EACH VALVE. USING A SEPARATE COLOR FOR EACH ZONE. 5. TURN THE FOLLOWING ITEMS IN TO THE OWNER UPON COMPLETION OF THE INSTALLATION:
- CONTROLLER KEYS (2)
- A MINIMUM OF (2) COPIES OF RECORD DRAWINGS. A RECORD DRAWING IS A RECORD OF ALL CHANGES THAT OCCURRED IN THE FIELD AND THAT ARE DOCUMENTED THROUGH CHANGE ORDERS, ADDENDA, OR CONTRACTOR/CONSULTANT DRAWING
- W. REFER TO THE PLANTING SPECIFICATIONS FOR ADDITIONAL CONDITIONS OF FINAL ACCEPTANCE AND START OF THE MAINTENANCE PERIOD.
- 1. THE IRRIGATION SYSTEM SUPPLIED AND INSTALLED SHALL BE WARRANTED (LABOR AND MATERIALS) TO REMAIN OPERATIONAL FOR A PERIOD OF 12 MONTHS AFTER THE DATE OF FINAL ACCEPTANCE. DURING THIS PERIOD, THE CONTRACTOR SHALL ALSO REPAIR ANY SETTLEMENT OF THE IRRIGATION TRENCHES.
- 3. IRRIGATION PARTS DAMAGED OR IMPAIRED DUE TO ACTS OF GOD, VANDALISM, AND/OR THE OWNER'S IMPROPER MAINTENANCE SHALL NOT BE COVERED BY THIS WARRANTY SHOULD THE PERMITTING JURISDICTION REQUIRE AN IRRIGATION AUDIT, THE IRRIGATION CONTRACTOR SHALL RETAIN THE SERVICES OF A THIRD-PARTY CERTIFIED LANDSCAPE IRRIGATION AUDITOR, AT NO ADDITIONAL COST TO THE OWNER.

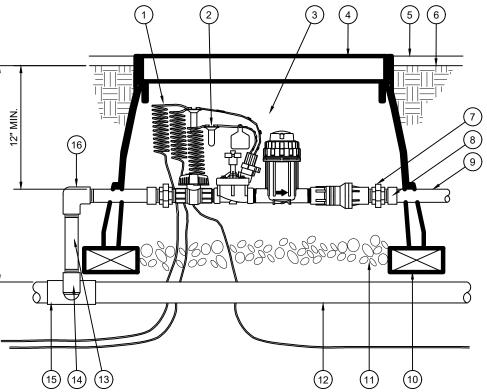
- - ALL BACKFILL MATERIAL SHALL BE SUBJECT TO APPROVAL BY THE OWNER. BACKFILL LANDSCAPING. COVER FOR BOTH TOP AND SIDES OF PIPE SHALL BE A MINIMUM OF 2 INCHES
 - CONSISTING OF EARTH, LOAM, SANDY CLAY, SAND OR OTHER APPROVED MATERIALS FREE
- ION A LOCATION SCREENED FROM PUBLIC VIEW (SUCH AS BEHIND A SHRUB ROW).
- 1. PIPE SIZE SHALL CONFORM TO THOSE SHOWN ON THE DRAWINGS. NO SUBSTITUTIONS OF SMALLER PIPE SIZES SHALL BE PERMITTED, BUT SUBSTITUTIONS FOR LARGER SIZES MAY BE
- INSTALLED WITH A MINIMUM COVER OF 12 INCHES. ASSEMBLE ALL THREADED FITTINGS WITH TEFLON TAPE, WHICH SHALL BE APPLIED TO MALE
- PIPE SHALL BE INSTALLED WITH A MINIMUM OF 4" HORIZONTAL CLEARANCE FROM ANY
- VALVES SHALL BE INSTALLED PER MANUFACTURER'S DIRECTIONS AND THE IRRIGATION
- LOCATED BELOW THE VALVE AS NOTED ON THE DETAILS. LOCATE BOXES WITHIN 12 TO 24" OF SIDEWALKS OR LANDSCAPE EDGES. WITH TOPS OF BOXES 1" ABOVE FINISH GRADE IN TURE, AND 3" ABOVE FINISH GRADE IN SHRUB AREAS (TO AVOID BEING COVERED BY MULCH).
- 4. DO NOT INSTALL MORE THAN TWO VALVES IN A JUMBO BOX. N. DRIP IRRIGATION EQUIPMENT SHALL BE INSTALLED PER MANUFACTURER'S DIRECTIONS AND THE IRRIGATION DETAILS
- SHALL BE INSPECTED AND APPROVED BY THE OWNER'S REPRESENTATIVE BEFORE
- WELD-ON #795 SOLVENT AND #P-70 PRIMER. ALL ROTORS SHALL BE CONNECTED TO
- (MINIMUM) FROM BUILDINGS UNLESS OTHERWISE SPECIFIED
- CONTROLLER WITH A BACKUP BATTERY AS RECOMMENDED BY THE MANUFACTURER
- FROM THE ELECTRICAL SOURCE TO THE CONTROLLER UNIT ONLY.
- BE NECESSARY DUE TO EXCESSIVELY LONG WIRE RUNS, THE CONTRACTOR SHALL MAKE ALL
- PROVIDE #10 COMMON WIRE, DIRECT BURIAL, TO ALL REMOTE CONTROL VALVES. CONNECT ALL DIRECT BURIAL WIRES TO VALVES USING 3M'S "DBY-DIRECT BURIAL SPLICE
- KIT" (UNLESS OTHERWISE SPECIFIED).
- SLEEVES AND PIPE SLEEVES UNDER PAVED AREAS PRIOR TO PAVING SEE SLEEVING NOTES. INSTALL THE RAIN SENSOR IN THE VICINITY OF THE CONTROLLER, AND COORDINATE LOCATION WITH THE OWNER. PROVIDE MINIMUM 5' CLEARANCE FROM OTHER OUTDOOR EQUIPMENT, FREE AND CLEAR OF ANY TREE CANOPY OR OTHER OVERHEAD OBSTRUCTIONS, AND ABOVE THE HEIGHT OF THE SPRINKLER COVERAGE IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO ENSURE THE RAIN SENSOR IS PLACED IN A LOCATION WHERE IT CAN RECEIVE ADEQUATE RAINFALL WITHOUT OBSTRUCTIONS. IF IT IS PLACED IN AN INADEQUATE LOCATION, THE
- IRRIGATION CONTRACTOR MAY BE REQUIRED TO RELOCATE IT AT NO ADDITIONAL COST TO THE R. THE PUMP SHALL NOT BE STARTED UNTIL A REPRESENTATIVE OF THE PUMP MANUFACTURER INSPECTS THE INSTALLATION AND START-UP. ANY DAMAGE TO THE PUMP WITHOUT A WRITTEN REPORT FROM THE MANUFACTURER'S REPRESENTATIVE SHALL. AT THE OWNER'S OPTION. BE
- T. QUALITY CONTROL
- 2. TEST SYSTEM TO ASSURE THAT ALL LAWN AND PLANTING AREAS ARE WATERED
- MAKE ALL NECESSARY ADJUSTMENTS TO PROVIDE COMPLETE COVERAGE, INCLUDING
- WORK AREAS IN A NEAT, ORDERLY CONDITION. DISPOSED LEGALLY OF ALL EXCAVATED MATERIALS OFF THE PROJECT SITE.
- CONTRACTOR SHALL THEN REQUEST AN INSPECTION BY THE OWNER TO DETERMINE FINAL ACCEPTABILITY 2. WHEN THE INSPECTED WORK DOES NOT COMPLY WITH THE CONTRACT DOCUMENTS, THE CONTRACTOR SHALL REPLACE AND/OR REPAIR THE REJECTED WORK TO THE OWNER'S SATISFACTION WITHIN 24 HOURS
- 3. THE MAINTENANCE PERIOD WILL NOT COMMENCE UNTIL THE WORK HAS BEEN RE-INSPECTED BY THE OWNER AND FOUND TO BE ACCEPTABLE. AT THAT TIME, A WRITTEN NOTICE OF FINAL
- QUICK COUPLER KEYS (2) CONTROLLER MANUAL (1
- WARRANTY
- 2. BY THE END OF THE WARRANTY PERIOD, ANY IRRIGATION PART THAT IS EITHER NON-OPERATIONAL OR THAT IS OPERATING BELOW STANDARDS AS DETERMINED BY THE OWNER, SHALL BE REMOVED FROM THE SITE AND SHALL BE REPLACED. REPLACEMENTS SHALL BE OF THE SAME KIND AS SPECIFIED IN THE IRRIGATION LEGEND, AND SHALL BE INSTALLED AS ORIGINALLY SPECIFIED.

CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT



3) LOCATE GROUND ROD 8' MIN. FROM CONTROLLER. VERIFY LOCATION OF GROUND ROD, CONTROLLER AND SOURCE OF ELECTRICITY WITH MANUFACTURER'S REPRESENTATIVE AND OWNER AS PART OF PRE CONSTRUCTION MEETING

CONTROLLER - WALL MOUNT, INDOOR



(4) JUMBO PLASTIC VALVE BOX BY CARSON (OR EQUAL) (5) TOP OF MULCH (7) PVC UNION (2) (10) BRICK (1 OF 4) (14) SCH. 40 PVC ELL

(6) FINISHED GRADE-1" BELOW TOP OF BOX IN TURF AREAS 2" IN SHRUB AREAS (8) PVC SCH 40 MALE ADAPTER (2) (9) PVC LATERAL PIPE (11) 3-INCH MINIMUM DEPTH OF (12) PVC MAINLINE PIPE (13) PVC SCH 80 NIPPLE (LENGTH AS REQUIRED) (15) SCH. 40 PVC TEE OR ELI (16) SCH. 40 PVC THREADED ELL

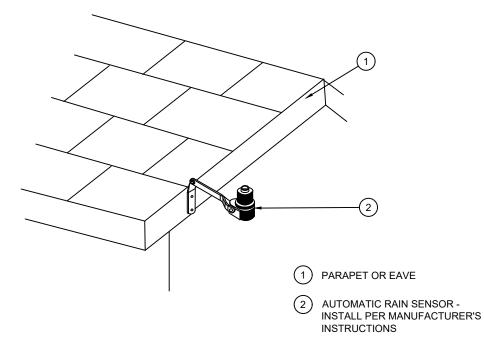
(1) 30-INCH LINEAR LENGTH

(2) WATERPROOF CONNECTION

OF WIRE, COILED

(ANY APPROVED)

(3) REMOTE CONTROL VALVE



RAIN SENSOR, ROOF MOUNT

CRITICAL ANALYSIS

Loss for Fittings:

Loss for Main Line:

Loss for Backflow:

Loss for Master Valve:

Pressure Available:

Loss for POC to Valve Elevation:

Critical Station Pressure at POC:

Residual Pressure Available:

O1 (1110) (L / (14)	KE I OIO
Generated:	2022-01-21 20:26
P.O.C. NUMBER: 01 Water Source Information:	EXISTING PRIVATE WELL
FLOW AVAILABLE Point of Connection Size: Flow Available	4" 195.88 GPM
PRESSURE AVAILABLE Static Pressure at POC: Pressure Available:	65.00 PSI 65.00 psi
DESIGN ANALYSIS Maximum Station Flow: Flow Available at POC:	46.28 GPM 195.88 GPM
Residual Flow Available:	149.6 GPM
Pressure Req. at Critical Station:	37.28 PSI

0.63 PSI

6.3 PSI

0.83 PSI

45.04 PSI

65 PSI

19.96 PSI

0 PSI

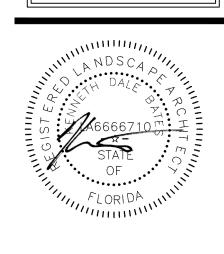
0 PSI

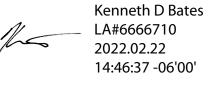
DRIP CONTROL ZONE KIT

VALVE SCHEDULE

NUMBER	MODEL RAIN BIRD XCZ-100-PRB-COM	SIZE 1"	TYPE AREA FOR DRIPLINE	<u>GPM</u> 4.74	WIRE 215.1	<u>PSI</u> 33.77	PSI @ POC 34.29	PRECIP 0.43 in/h
2	RAIN BIRD PEB-NP-HAN	1-1/2"	TURF ROTARY	46.28	213.1	38.04	40.07	0.43 iii/ii 0.6 in/h
3	RAIN BIRD PEB-NP-HAN	1-1/Z 1"	TURF SPRAY	22.83	221.3	35.38	36.29	1.56 in/h
		ı						
4	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	4.13	328.0	33.34	33.89	0.43 in/h
5	RAIN BIRD PEB-NP-HAN	1-1/2"	TURF ROTARY	40.92	432.9	37.27	45.04	0.51 in/h
6	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	4.89	433.8	34.53	35.17	0.43 in/h
7	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	7.37	428.5	35.7	36.5	0.43 in/h
8	RAIN BIRD PEB-NP-HAN	1-1/2"	TURF ROTARY	25.79	421.4	35.84	39.56	0.49 in/h
9	RAIN BIRD PEB-NP-HAN	1-1/2"	TURF SPRAY	32.87	285.2	35.37	42.11	1.54 in/h
10	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	8.48	277.7	36.45	37.44	0.43 in/h
11	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	3.82	123.7	33.1	33.65	0.43 in/h
12	RAIN BIRD XCZ-100-PRB-COM	1"	AREA FOR DRIPLINE	7.11	112.6	35.48	36.13	0.43 in/h
13	RAIN BIRD PEB-NP-HAN	1-1/2"	TURF SPRAY	32.89	102.5	35.37	38.1	1.55 in/h
	Common Wire				702.7			









DATE	REMARKS

01.17.22

JN

BUILDING TYPE: END. 2.0 PLAN VERSION: JANUARY 2022 **BRAND DESIGNER** SITE NUMBER: 315420 STORE NUMBER 457313

CONTRACT DATE:

PA/PM:

DRAWN BY.

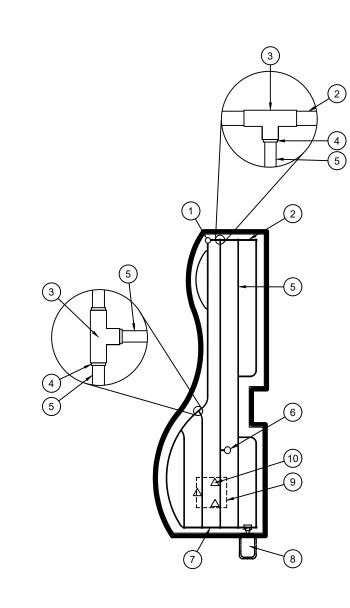
JOB NO.: 2021088.46 **TACO BELL**

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0 IRRIGATION DETAILS & SPECIFICATIONS

CAUTION: IF THIS SHEET IS NOT 22"x34" IT IS A REDUCED PRINT



1 FLUSH VALVE

2 SCH. 40 PVC EXHAUST HEADER

3 SCH. 40 PVC TEE OR ELL

4 COMPRESSION ADAPTER 5 DRIP LINE

6 AIR RELIEF VALVE AT HIGH POINT OF SYSTEM (WHEN INDICATED ON PLANS)

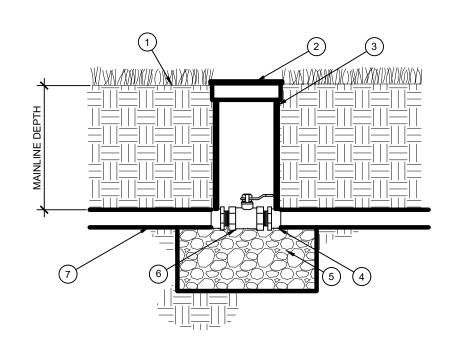
7 SCH. 40 PVC SUPPLY HEADER

8 CONTROL VALVE TREE ROOT BALL (WHERE OCCURS IN

DRIP AREA)

RAINBIRD PC-07 EMITTERS (3) OR EQUAL, WITH DIFFUSER CAPS, INSERTED IN DRIP LINE AND GENERALLY SPACED EVENLY AROUND TREE NEAR EDGES OF ROOT BALL (WHERE OCCURS)

> NOTE: SET DRIP LINES 3"-6" AWAY FROM HARDSCAPE



1) FINISH GRADE AT 1" BELOW TOP OF BOX IN TURF AREAS: 2" BELOW TOP OF BOX IN SHRUB/GROUNDCOVER

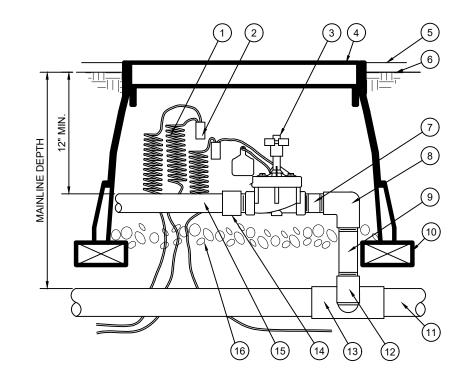
9" ROUND VALVE BOX WITH LOCKABLE LID

3 EXTENSION SECTION AS NECESSARY TO MEET GRADE (4) PVC MALE ADAPTER

(5) 3-INCH MINIMUM DEPTH OF 3-INCH WASHED GRAVEL

6 BRASS BALL VALVE (SIZED PER MAINLINE)

7 IRRIGATION MAINLINE



1) 30-INCH LINEAR LENGTH OF WIRE, COILED

2 WATERPROOF CONNECTION (ANY APPROVED)

(3) REMOTE CONTROL VALVE

4 JUMBO PLASTIC VALVE BOX BY CARSON (OR

6 FINISHED GRADE-1" BELOW TOP OF BOX IN TURF AREAS, 2" IN SHRUB AREAS

7 PVC SCH 80 NIPPLE (CLOSE)

5 TOP OF MULCH

8 PVC SCH 40 ELL

9 PVC SCH 80 NIPPLE (LENGTH AS REQUIRED) (10) BRICK (1 OF 4)

11) PVC MAINLINE PIPE

(12) SCH. 40 PVC ELL

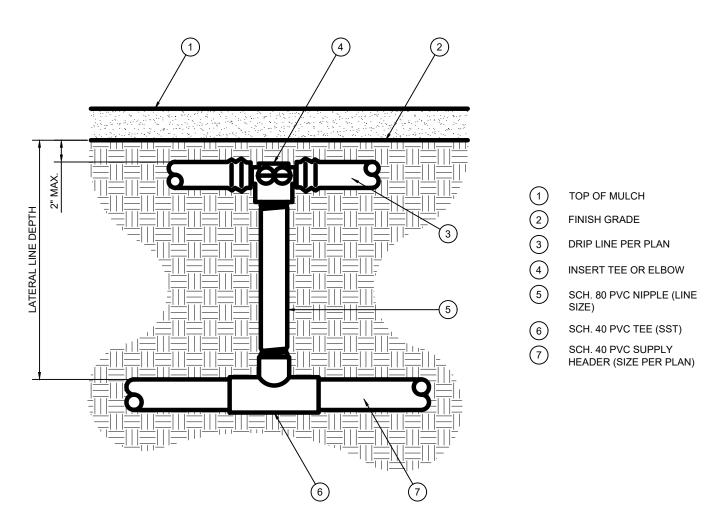
(13) PVC SCH 40 TEE OR ELL

(14) PVC SCH 40 MALE ADAPTER

(15) PVC LATERAL PIPE

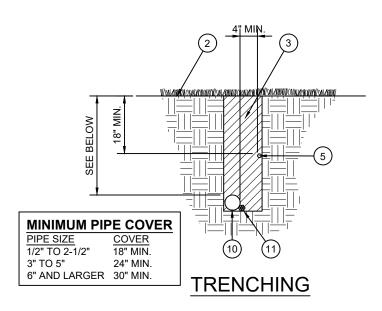
3-INCH MINIMUM DEPTH OF 3-INCH WASHED

SUBSURFACE DRIP LINE LAYOUT SCALE: NOT TO SCALE



SUBSURFACE DRIPLINE CONNECTION





PAVEMENT SURFACE

2 FINISH GRADE (3) TRENCH BACKFILL

(4) LOCATOR WIRE W/BURIED CAUTION TAPE

(5) PVC IRRIGATION LATERAL

(6) SAND BACKFILL

7) SCH. 40 PVC LATERAL SLEEVE - SEE PLANS FOR SIZE

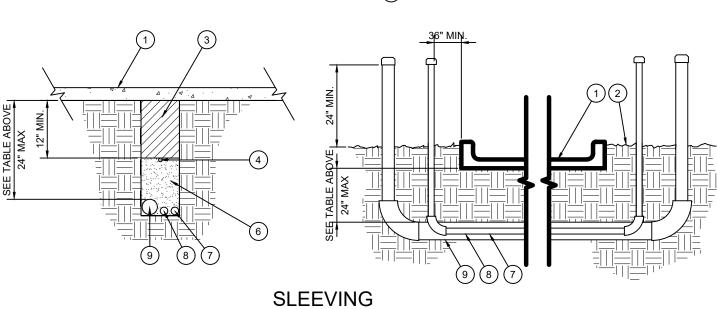
8) SCH. 40 PVC WIRE SLEEVE FOR CONTROL WIRES, MIN. 2" DIA.

9) SCH. 40 PVC MAINLINE SLEEVE - SEE PLANS FOR SIZE

(10) PVC IRRIGATION MAINLINE

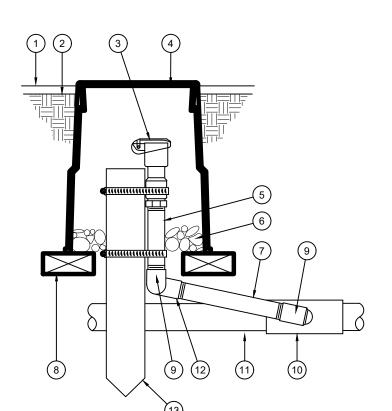
(11) CONTROL WIRES - TAPE TO MAINLINE AT 10' INTERVALS

(12) PVC CAP, SOLVENT WELDED



PIPE AND SLEEVE INSTALLATION





TOP OF MULCH

2 FINISHED GRADE-1" BELOW TOP OF BOX IN TURF AREAS, 2" IN SHRUB AREAS

3 QUICK-COUPLING VALVE

4) 10" ROUND PLASTIC VALVE BOX BY CARSON (OR EQUAL) (5) 6" LONG BRASS NIPPLE

6 3-INCH MINIMUM DEPTH OF 3/4-INCH WASHED GRAVEL

7) BRASS NIPPLE (LENGTH AS

REQUIRED) (8) BRICK (1 OF 2)

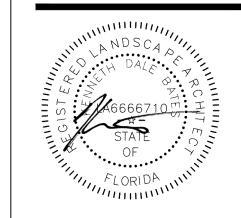
9 PVC SCH 40 STREET ELL

10) PVC SCH 40 TEE OR ELL (11) PVC MAINLINE PIPE

(12) PVC SCH 40 ELL

2" x 2" REDWOOD STAKE WITH STAINLESS STEEL GEAR CLAMPS OR EQUIVALENT SUPPORT SYSTEM

QUICK COUPLER



EVERGREEN

(800) 680-6630 2255 Glades Road, Suite 324A

Boca Raton, FL 33431 www.EvergreenDesignGroup.com LA #6666710

> Kenneth D Bates LA#6666710 2022.02.22 14:46:17 -06'00'

Site Review 03/17/2022 2:07:24

DATE REMARKS

CONTRACT DATE: BUILDING TYPE: END. 2.0 PLAN VERSION: JANUARY 2022

> 315420 457313

2021088.46

JN

BRAND DESIGNER: SITE NUMBER: STORE NUMBER: PA/PM:

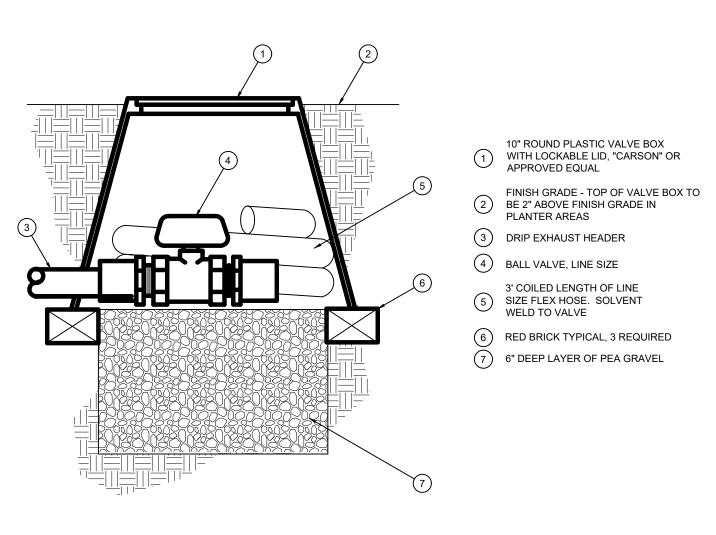
DRAWN BY. JOB NO.:

TACO BELL

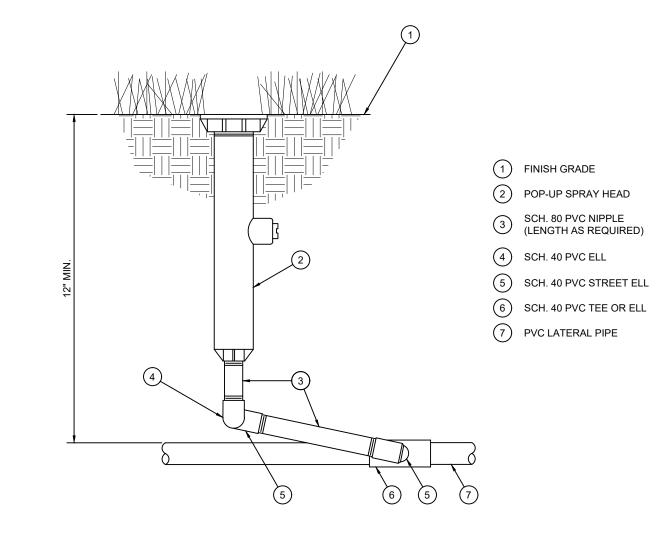
HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0 IRRIGATION DETAILS



FLUSH VALVE
SCALE: NTS

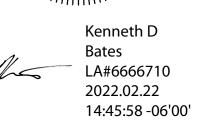


POP-UP SPRAY HEAD

SCALE: NTS









DATE	REMARKS

01.17.22

2021088.46

CONTRACT DATE:

BUILDING TYPE: END. 2.0

PLAN VERSION: JANUARY 2022

BRAND DESIGNER: 315420

STORE NUMBER: 457313

PA/PM: JN

DRAWN BY.:

TACO BELL

JOB NO.:

HAMMOCK RIDGE & U.S. 27 CLERMONT, FL 34711



ENDEAVOR 2.0 IRRIGATION DETAILS

LI-4