DEVELOPMENT PLANS
FOR:

LEGACY PARK PHASE 2A

ALACHUA COUNTY, FLORIDA

SECTION 15 & 22, TOWNSHIP 8 SOUTH, RANGE 18 EAST

SUBMITTED TO:

CITY OF ALACHUA
SUWANNEE RIVER WATER MANAGEMENT DISTRICT
ALACHUA COUNTY PUBLIC WORKS DEPARTMENT

GENERAL NOTES

1. DEVELOPMENT DATA:

	PROPOSED DEVELOPMENT		
TOTAL PHASE 2A AREA=	776,868 S.F.	100.0%	17.83 ACRES
TOTAL IMPERVIOUS AREA (PHASE 2A)=	61,000 S.F.	7.9%	
OPEN SPACE=	715,868 S.F.	92.1%	

DESCRIPTION: THE PROPOSED PHASE 2A DEVELOPMENT WILL CONSIST OF AN AMPHITHEATER BUILDING WITH RESTROOMS, A CONCESSION AREA, TWO MULTI-PURPOSE FIELDS, AND THE ASSOCIATED PARKING, STORMWATER IMPROVEMENTS AND UTILITIES.

ZONING & LAND USE DESIGNATION:
ZONING = GOVERNMENT FACILITIES (GF)
FUTURE LAND USE = RECREATION

2. MINIMUM BUILDING / YARD SETBACKS PER GF ZONING ARE AS FOLLOWS:

PRIMARY BUILDING
FRONT: 20'
SIDE: 15'
REAR: 15'

MINIMUM LOT AREA	NONE
MINIMUM LOT WIDTH	NONE
MAX BUILDING HEIGHT	65'
MAX LOT COVERAGE	NONE

3. PARKING CALCULATIONS:
CAR: PARK - NONE

EXISTING PHASE 1:	119 PAVED
PROPOSED PHASE 2A:	150 PAVED
TOTAL:	269 PAVED

ACCESSIBLE PARKING SPACES REQUIRED: 7 (201 TO 301 PARKING)
EXISTING PHASE 1: 5 SPACES
PROPOSED PHASE 2A: 4 SPACES

4. DATE OF BOUNDARY SURVEY:
A BOUNDARY AND TOPOGRAPHIC SURVEY WAS COMPLETED BY CAUSSEAUX, HEWETT, & WALPOLE, INC. AND DATED DECEMBER 10, 2015.

5. UTILITIES:
-POTABLE WATER SERVICE WILL BE TIED INTO THE EXISTING 6" WATER MAIN LOCATED ON THE SOUTH SIDE OF THE DROP OFF AREA FOR THE RECREATIONAL BUILDING.

-SANITARY SEWER SERVICE WILL BE PROVIDED BY AN EXISTING STUB OUT NORTH OF THE PROPOSED RESTROOM/CONCESSION BUILDING.

-ELECTRIC SERVICE WILL BE PROVIDED FROM EXISTING TRANSFORMER LOCATED ON THE SOUTHEAST CORNER OF THE PROJECT.

-RECLAIM WATER SERVICE IS NOT AVAILABLE TO THE PROJECT SITE AT THE CURRENT TIME.

6. DRAINAGE:
THE PROJECT PROPOSES ONE NEW STORMWATER MANAGEMENT FACILITY (SMF-4) AND MODIFICATIONS TO THE EXISTING SMF-1 AND SMF-3 (BUILT IN PHASE 1) TO ACCOMODATE THE PROPOSED BUILDING AND INFRASTRUCTURE IMPROVEMENTS. A TOTAL OF 71,436 S.F. OF ADDITIONAL FUTURE CONCRETE/ASPHALT AREA AND 21,836 S.F. OF FUTURE UNPAVED PARKING AREA WAS ACCOUNTED FOR IN THE REVISED DRAINAGE PLAN. THE SMFs WILL DISCHARGE TO THE DITCH ALONG PEGGY ROAD.

7. NATURAL FEATURES:
TOPOGRAPHY WILL SLOPE FROM WEST TO EAST AND NORTH TO SOUTH.

8. CONCURRENCY IMPACT ANALYSIS:
SUBMITTED UNDER SEPARATE COVER

9. LEGAL DESCRIPTION: (O.R.B. 2989, PAGE 1108)

A TRACT OF LAND SITUATED IN THE WILLIAM GARVIN GRANT AND SECTIONS 15 AND 22, TOWNSHIP 8 SOUTH, RANGE 18 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA, SAID TRACT OF LAND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCE AT A CONCRETE MONUMENT BEING THE SOUTHWEST CORNER OF LOT 23 OF "CLOVER RANCH ESTATES", A SUBDIVISION AS PER PLAT THEREOF RECORDED IN PLAT BOOK "F", PAGE 7 OF THE PUBLIC RECORDS OF ALACHUA COUNTY, FLORIDA FOR THE POINT OF BEGINNING AND RUN SOUTH 72°27'14" EAST, A DISTANCE OF 1320.45 FEET TO A CONCRETE MONUMENT AT THE SOUTHEAST CORNER OF LOT 24 OF SAID "CLOVER RANCH ESTATES"; THENCE RUN NORTH 17°08'10" EAST, ALONG THE SOUTHEASTERLY BOUNDARY LINE OF SAID "CLOVER RANCH ESTATES", A DISTANCE OF 2148.31 FEET TO A CONCRETE MONUMENT AT THE SOUTHWEST CORNER OF LOT 8 OF SAID "CLOVER RANCH ESTATES"; THENCE RUN SOUTH 72°27'46" EAST, ALONG THE SOUTH LINES OF LOTS 8, 9, 10, 11, AND 12 OF SAID "CLOVER RANCH ESTATES" AND AN EASTERLY PROJECTION THEREOF, A DISTANCE OF 1360.05 FEET TO A CONCRETE MONUMENT; THENCE RUN SOUTH 87°18'33" WEST, A DISTANCE OF 369.52 FEET TO A STEEL ROD AND CAP; THENCE RUN SOUTH 01°00'54" WEST, A DISTANCE OF 1552.94 FEET TO A STEEL ROD AND CAP ON THE NORTHERLY RIGHT OF WAY LINE OF COUNTY ROAD NO. 2054; THENCE RUN SOUTH 57°11'08" WEST, ALONG SAID RIGHT OF WAY LINE, A DISTANCE OF 2096.51 FEET TO A CONCRETE MONUMENT; THENCE RUN NORTH 32°48'47" WEST, A DISTANCE OF 674.77 FEET TO A CONCRETE MONUMENT; THENCE RUN SOUTH 57°11'52" WEST, A DISTANCE OF 386.03 FEET TO A CONCRETE MONUMENT ON THE EASTERLY RIGHT OF WAY LINE OF INTERSTATE HIGHWAY NO. 75 (300 FOOT RIGHT OF WAY); THENCE RUN NORTH 24°23'31" WEST, ALONG SAID RIGHT OF WAY LINE A DISTANCE OF 1354.03 FEET TO A CONCRETE MONUMENT AT THE BEGINNING OF A CURVE CONCAVE EASTERLY, SAID CURVE HAVING A RADIUS OF 5579.58 FEET; THENCE RUN NORTHWESTERLY, ALONG SAID RIGHT OF WAY LINE AND WITH SAID CURVE, THROUGH AN ARC ANGLE OF 09°55'28", AN ARC DISTANCE OF 966.46 FEET (CHORD BEARING AND DISTANCE OF NORTH 19°32'47" WEST, 965.26 FEET RESPECTIVELY) TO A CONCRETE MONUMENT; THENCE RUN SOUTH 72°29'26" EAST, A DISTANCE OF 824.50 FEET TO A CONCRETE MONUMENT ON THE WEST BOUNDARY LINE OF THE AFOREMENTIONED "CLOVER RANCH ESTATES"; THENCE RUN SOUTH 17°09'04" WEST, ALONG SAID WEST LINE, A DISTANCE OF 828.42 FEET TO THE TRUE POINT OF BEGINNING.

DEVELOPER/OWNER
CITY OF ALACHUA
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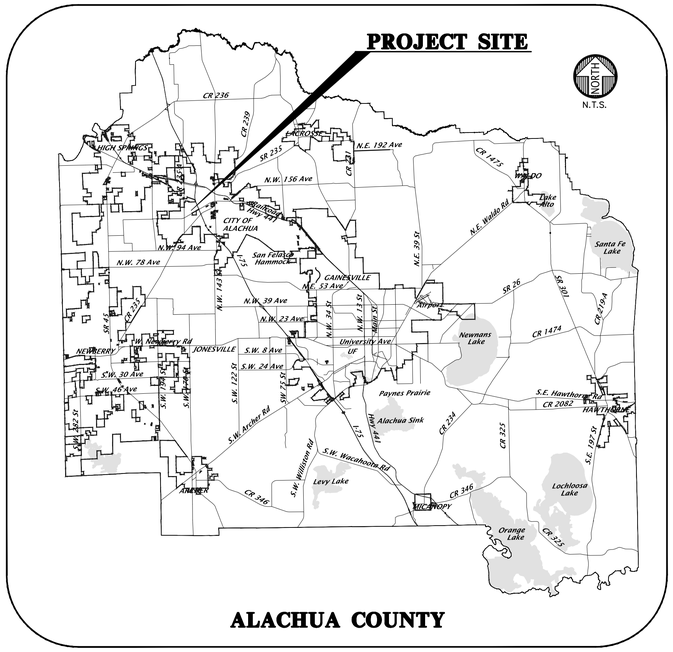
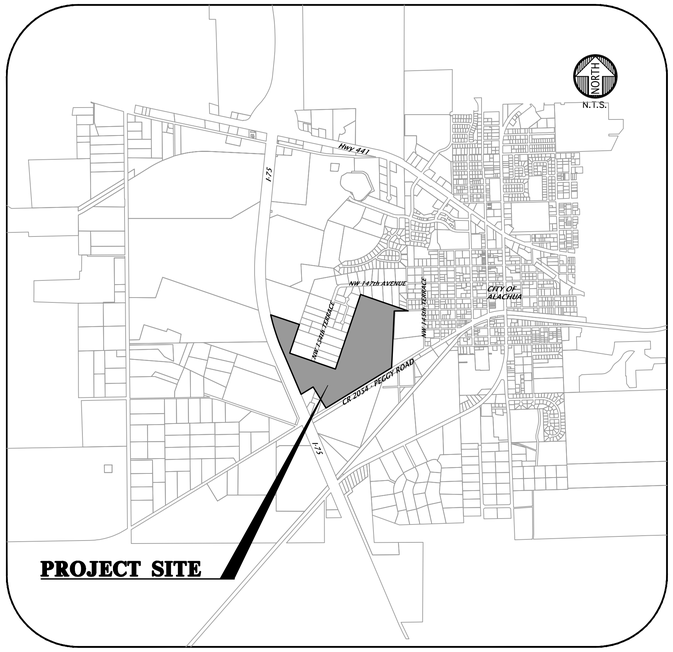
SHEET INDEX

SHEET NUMBER	DESCRIPTION
C0.00	COVER SHEET AND INDEX
C0.10	GENERAL NOTES
C0.11	LEGEND
1 - 14 OF 14	BOUNDARY AND TOPOGRAPHIC SURVEY
C0.20	STORMWATER POLLUTION PREVENTION PLAN NOTES
C0.21	STORMWATER POLLUTION PREVENTION PLAN AND TREE DEMOLITION PLAN
C0.30	SINKHOLE REPAIR DETAIL AND NOTES
C1.00	OVERALL SITE PLAN
C1.10 - C1.11	SITE AND HORIZONTAL CONTROL PLAN
C2.00	MASTER GRADING, DRAINAGE, AND UTILITY PLAN
C2.10 - C2.16	DETAILED GRADING, DRAINAGE, AND UTILITY PLAN
C2.20	CONSTRUCTION DETAILS
C2.30	STORMWATER MANAGEMENT FACILITY 01
C2.31	STORMWATER MANAGEMENT FACILITY 03
C2.32	STORMWATER MANAGEMENT FACILITY 04
LS-1	LANDSCAPE NOTES, DETAILS, AND SCHEDULE
LS-2 - LS-4	LANDSCAPE PLAN
IR-1	IRRIGATION DIAGRAM
E-1	SITE PHOTOMETRIC PLAN
E-2	SITE ELECTRICAL PLAN
A.3	ARCHITECTURAL FLOOR PLANS - CONCESSIONS
A.4	ARCHITECTURAL ELEVATIONS - CONCESSIONS
A.5	ARCHITECTURAL LIFE SAFETY PLAN - CONCESSIONS
A.8	ARCHITECTURAL FOUNDATION PLAN - CONCESSIONS
A.10	ARCHITECTURAL FLOOR PLANS - AMPHITHEATER
A.11	ARCHITECTURAL ELEVATIONS - AMPHITHEATER
E.1 - E.2	ELECTRIC PLANS
P.1 - P.2	PLUMBING PLANS



ALACHUA COUNTY
VICINITY MAP



LOCATION MAP

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11801 Research Drive
Alachuna, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA CA-9075

SCALE: N/A
VERIFY SCALE BAR IS 1" INCH ON YOUR PLANS
0 1" IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
03/29/2018 SUBMITTAL TO COA, AC AND SRWMD
2018-05-21 CITY OF ALACHUA, ACPW, SRWMD
2018-06-20 CITY OF ALACHUA, SRWMD
2018-07-18 CITY OF ALACHUA, SRWMD
2018-07-30 PEB & SRWMD

CLIENT: CITY OF ALACHUA
PROJECT: LEGACY PARK PHASE 2A
SHEET TITLE: COVER SHEET AND INDEX

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
PROJECT CONTROL: T. ELEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY
FL PE No. 84295

SHEET NO.: C0.00

Tech: kurtm Plot Date: Jul 30,2018 11:54am Filename: L:\2017\17-0373\engineering\DWGs\production files\17-0373_C0.00_CV_LegacyParkPh2.dwg

GENERAL NOTES

1. THE TOPOGRAPHIC AND EXISTING INFORMATION SHOWN HEREON WERE TAKEN FROM A BOUNDARY AND TOPOGRAPHIC SURVEY PREPARED BY CAUSSEAUX, HEWETT, & WALPOLE, INC., AND DATED DECEMBER 12, 2015.

2. THE LOCATION OF ALL EXISTING UTILITIES SHOWN ON THE PLANS HAS BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ACCURACY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE VARIOUS UTILITIES AND TO MAKE NECESSARY ARRANGEMENTS FOR ANY RELOCATION OF THESE UTILITIES WITH THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN CROSSING ANY UNDERGROUND UTILITY, WHETHER SHOWN ON THE PLANS OR LOCATED BY THE UTILITY COMPANY. THE RESPECTIVE UTILITY COMPANIES SHALL RELOCATE ALL UTILITIES THAT INTERFERE WITH THE PROPOSED CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THE UTILITY COMPANIES DURING THE RELOCATION OPERATIONS. ANY DELAY OR INCONVENIENCE CAUSED TO THE CONTRACTOR BY THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

3. THE CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN AREAS OF BURIED UTILITIES AND SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE APPROPRIATE UTILITY COMPANIES IN ORDER TO ALLOW MARKING OF THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES IN ADVANCE OF CONSTRUCTION BY CALLING THE FLORIDA SUNSHINE STATE ONE-CALL CENTER, INC. AT 1-800-432-4770 OR 811. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY "SUNSHINE" 48 HOURS PRIOR TO ANY CLEARING OF CONSTRUCTION TO IDENTIFY ALL UTILITY LOCATIONS. NO CONSTRUCTION ACTIVITY MAY OCCUR UNTIL THE UTILITIES HAVE BEEN PROPERLY MARKED.

4. THE CONTRACTOR SHALL FIELD VERIFY THE HORIZONTAL LOCATION AND VERTICAL LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF THE PROJECT ENVELOPE SHOWN PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL CALL ALL UTILITY COMPANIES TO HAVE THE LOCATIONS OF ALL UTILITIES FIELD MARKED PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER PRIOR TO CONTINUING CONSTRUCTION.

5. THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING ANY DAMAGE TO EXISTING FACILITIES, ABOVE OR BELOW GROUND THAT MAY OCCUR AS A RESULT OF THE WORK PERFORMED BY THE CONTRACTOR.

6. ALL PRIVATE AND PUBLIC PROPERTY AFFECTED BY THIS WORK SHALL BE RESTORED TO A CONDITION EQUAL TO OR BETTER THAN EXISTING CONDITIONS BEFORE COMMENCING CONSTRUCTION WORK, UNLESS SPECIFICALLY EXEMPTED BY THE PLANS. ADDITIONAL COSTS ARE INCIDENTAL TO OTHER CONSTRUCTION AND NO EXTRA COMPENSATION WILL BE ALLOWED.

7. ALL WORK PERFORMED SHALL COMPLY WITH THE REGULATIONS AND ORDINANCES OF THE VARIOUS GOVERNMENTAL AGENCIES HAVING JURISDICTION OVER THE WORK INCLUDING LANDSCAPING.

8. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BECOME FAMILIAR WITH THE PERMIT AND INSPECTION REQUIREMENTS OF THE VARIOUS GOVERNMENTAL AGENCIES. THE CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS PRIOR TO CONSTRUCTION AND SCHEDULE INSPECTIONS ACCORDING TO AGENCY AND/OR MUNICIPALITY INSTRUCTIONS.

9. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO COMPLY WITH AND ENFORCE ALL APPLICABLE SAFETY REGULATIONS.

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXCAVATIONS AGAINST COLLAPSE AND SHALL PROVIDE BRACING, SHEETING OR SHORING AS NECESSARY. TRENCHES SHALL BE KEPT DRY WHILE PIPES ARE BEING PLACED. DEWATERING SHALL BE USED AS REQUIRED, AND PERMITTED THROUGH LOCAL GOVERNMENTAL AGENCIES AND WATER MANAGEMENT DISTRICT PER CURRENT REGULATIONS AT THE SOLE COST OF THE CONTRACTOR.

11. CONTRACTOR TO REVIEW GEOTECHNICAL REPORT AND BORINGS PRIOR TO BIDDING THE PROJECT AND FOLLOW OUTLINED CONSTRUCTION TECHNIQUES.

12. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING APPLICABLE TESTING WITH THE SERVICES OF AN APPROVED TESTING LABORATORY AND/OR SOILS ENGINEER, APPLICABLE REGULATORY AGENCIES, AND AS MAY BE FOUND IN THE ENGINEERING CONSTRUCTION DRAWINGS OR SPECIFICATIONS. CONTRACTOR TO VERIFY ALL TESTING WITH THE OWNER PRIOR TO COMMENCING CONSTRUCTION. UPON COMPLETION OF THE WORK, THE TESTING LABORATORY AND/OR SOILS ENGINEER MUST SUBMIT TO THE OWNER'S ENGINEER CERTIFICATIONS STATING THAT ALL REQUIREMENTS HAVE BEEN MET.

13. INSTALL SILT FENCE PRIOR TO SITE DEMOLITION OR NEW SITE CONSTRUCTION. INSTALL SILT FENCE PER FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL AND PROVIDE TOE-IN. THE CONTRACTOR SHALL MAINTAIN THE SILT FENCE IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. THE PROJECT SILT FENCE SHALL BE INSPECTED DAILY AND ANY CORRECTIVE MEASURES SHALL BE COMPLETED WITHIN 24 HOURS.

14. ALL TREE BARRICADES AND SILT FENCING SHALL BE INSPECTED BY CHW'S INSPECTOR PRIOR TO COMMENCEMENT OF ANY DEMOLITION OR CONSTRUCTION ACTIVITIES.

15. THE CONTRACTOR IS TO PREPARE THE SITE PRIOR TO BEGINNING ACTUAL CONSTRUCTION IN ACCORDANCE WITH THE GEOTECHNICAL REPORT.

16. ALL DELETERIOUS MATERIAL (I.E. MUCK, PEAT, BURIED DEBRIS) IS TO BE EXCAVATED IN ACCORDANCE WITH THESE PLANS OR AS DIRECTED BY THE OWNER'S ENGINEER OR OWNER'S SOIL TESTING COMPANY. DELETERIOUS MATERIAL IS TO BE STOCKPILED AND REMOVED FROM THE SITE. EXCAVATED AREAS ARE TO BE BACKFILLED WITH APPROVED MATERIALS AND COMPACTED AS SHOWN ON THESE AREAS.

17. CONTRACTOR SHALL CLEAR AND GRUB ONLY THOSE PORTIONS OF THE SITE NECESSARY FOR CONSTRUCTION. DISTURBED AREAS SHALL BE SODDED, SEEDED, MULCHED, OR PLANTED WITH OTHER APPROVED LANDSCAPE MATERIAL, AS DIRECTED BY THESE PLANS, IMMEDIATELY FOLLOWING CONSTRUCTION PER LOCAL INSPECTOR.

18. WORK BEING PERFORMED UNDER THIS CONTRACT SHALL INTERFACE SMOOTHLY WITH OTHER WORK BEING PERFORMED ON THE SITE BY OTHER CONTRACTORS AND/OR UTILITY COMPANIES. IT WILL BE NECESSARY FOR THE CONTRACTOR TO COORDINATE AND SCHEDULE HIS ACTIVITIES, WHERE NECESSARY, WITH OTHER CONTRACTORS AND UTILITY COMPANIES.

19. ALL PAVEMENT DIMENSIONS SHOWN ARE TO EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

20. THE GOVERNING STANDARDS AND SPECIFICATIONS, UNLESS STATED OTHERWISE SHALL BE PER FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS DATED 2015, AND STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION DATED 2015, AS AMENDED BY CONTRACT DOCUMENTS. ALL MATERIALS AND METHODS SHALL MEET FDOT SPECIFICATIONS AND SHALL BE PRODUCED OR OBTAINED FROM AN FDOT APPROVED SOURCE.

21. ALL NEW TRAFFIC CONTROL DEVICES (SIGNS AND PAVEMENT MARKINGS) SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT STANDARDS.

22. ALL STRIPING WITHIN RIGHT OF WAY SHALL BE PLACED FIRST AS TEMPORARY STRIPING FOLLOWED BY APPLICATION OF THERMOPLASTIC STRIPING 30 DAYS LATER.

23. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING PROPER BENCHMARKS ON-SITE. EXISTING BENCH MARKS SCHEDULED FOR REMOVAL SHALL BE RELOCATED AT CONTRACTORS EXPENSE AND RE-ESTABLISHED BY A LICENSED SURVEYOR.

24. ALL HANDICAP RAMPS SHALL COMPLY WITH THE FLORIDA ACCESSIBILITY CODE AND AMERICANS WITH DISABILITY'S ACT.

25. A PRE-CONSTRUCTION CONFERENCE SHALL BE REQUIRED. THE CONTRACTOR, ENGINEER OF RECORD, AND THE OWNER SHALL MEET WITH THE CITY OF ALACHUA PRIOR TO INITIATION OF SITE CONSTRUCTION.

26. ANY CHANGE ORDER REQUESTS, SITE REVISIONS, AND PAY REQUESTS MUST BE SUBMITTED TO AND APPROVED BY THE ENGINEER OF RECORD.

27. CONTRACTOR IS RESPONSIBLE FOR ALL DEWATERING AS NEEDED THROUGHOUT ALL CONSTRUCTION ACTIVITIES COVERED BY THESE PLANS. DEWATERING SHALL BE DONE IN ACCORDANCE WITH FDOT STANDARD SPECIFICATIONS, 2015 EDITION, SECTION 120.

28. THE CONTRACTOR IS RESPONSIBLE FOR THE PERFORMANCE AND COST OF ALL CLEARING AND GRUBBING AND ALL WORK OF REMOVAL, DISPOSAL, AND REPAIR OR REPLACEMENT OF EXISTING IMPROVEMENTS WHERE SHOWN IN THE PLANS, OR ORDERED BY THE ENGINEER TO BE REMOVED, OR WHERE REQUIRED BECAUSE OF THE CONSTRUCTION OPERATIONS, IN ORDER TO CONSTRUCT THE PROPOSED IMPROVEMENTS (THIS INCLUDES BUT IS NOT LIMITED TO PROPOSED PIPING, STRUCTURES, UTILITIES, PAVING, CURBING, ETC.).

29. AN AS-BUILT SURVEY MAY BE REQUIRED BY REGULATORY AGENCIES. CONTRACTOR TO COORDINATE WITH PROJECT OWNER FOR COMPLETION OF AS-BUILT SURVEYS PRIOR TO PROJECT / PERMIT CLOSE-OUT.

30. ALL DRIVEWAY AND DRAINAGE CONNECTIONS TO ALACHUA COUNTY RIGHT-OF-WAY TO CONFORM TO THE MOST RECENT ALACHUA COUNTY STANDARDS. CONTRACTOR TO OBTAIN CONSTRUCTION RELEASE FROM ALACHUA COUNTY PUBLIC WORKS

MAINTENANCE OF TRAFFIC (MOT) NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR CREATING A MAINTENANCE OF TRAFFIC (MOT) PLAN FOR CONSTRUCTION ACTIVITY THAT OCCURS WITHIN THE PUBLIC RIGHT-OF-WAY, INCLUDING BUT NOT LIMITED TO SIDEWALK WORK AND ACTIVITIES THAT REQUIRE A LANE (OR ROAD) CLOSURE, SUCH AS CONNECTION TO SEWER MANHOLES AND WATER MAINS. THE MOT PLAN MUST BE CREATED BY A REGISTERED PROFESSIONAL ENGINEER WHO IS CERTIFIED TO DO SO BY THE FDOT MOT CERTIFICATION TRAINING. THE MOT PLAN MUST ALSO BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS AND FDOT STANDARD SPECIFICATIONS REQUIREMENTS AND MUST BE REVIEWED AND APPROVED BY THE CITY OF ALACHUA.

2. THE CONTRACTOR SHALL SUBMIT THE MOT TO THE APPROPRIATE REGULATORY AUTHORITY PRIOR TO WORK REQUIRING THE MOT FOR APPROVAL. NO WORK IN THE ROW SHALL OCCUR UNTIL THE MOT IS APPROVED.

DEMOLITION GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE TO DISPOSE OF ALL DEMOLITION MATERIALS IN A SAFE AND LAWFUL MANNER. THE CONTRACTOR SHALL SALVAGE TO THE OWNER ANY ITEM AS DETERMINED BY THE OWNER. ONCE DEMOLISHED, MATERIAL SHALL BE DISPOSED OF PROPERLY AND IMMEDIATELY.

2. REMOVE ALL IMPROVEMENTS DEFINED ON THE DEMOLITION PLAN. SALVAGE ITEMS TO OWNER AS DEFINED BY THE OWNER'S REPRESENTATIVE AND CONSTRUCTION DOCUMENT SPECIFICATIONS.

3. EXISTING PAVEMENT AND SIDEWALK EDGES THAT BORDER NEW CONSTRUCTION OR DEMOLITION ARE TO BE SAW-CUT TO PROVIDE A SMOOTH TRANSITION.

4. ALL EXISTING TREES ARE TO REMAIN UNLESS OTHERWISE NOTED.

5. ROOTS LARGER THAN 1 INCH IN DIAMETER ON TREES TO BE PRESERVED THAT ARE ENCOUNTERED DURING CONSTRUCTION MUST BE CUT CLEANLY AND COVERED OVER WITH SOIL BY THE END OF THE WORKING DAY.

6. ALL ASPHALT AND LIMEROCK WILL BE COMPLETELY REMOVED FROM AREAS THAT WILL BE LANDSCAPED. IN PARTICULAR, AREAS WHERE ASPHALT WILL BE REMOVED MUST HAVE THE TOP HARD SURFACE, LIMEROCK, AND COMPACTED SOIL REMOVED. REPLACEMENT SOIL SHALL BE CLEAN DEEP FILL OF PH 5.5 - 6.5. THE DEPTH OF UNCOMPACTED SOIL PRIOR TO PLANTING MUST BE AT LEAST 3 FEET TO ACCOMMODATE FUTURE TREE ROOT GROWTH. NO LIMEROCK, LARGE STONES, OR OTHER CONSTRUCTION DEBRIS CAN REMAIN IN AREAS TO BE LANDSCAPED.

PAVING, GRADING, AND DRAINAGE GENERAL NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR EROSION/SEDIMENTATION CONTROL PRACTICES DURING CONSTRUCTION TO MINIMIZE ON-SITE EROSION/SEDIMENTATION AND TO PROTECT AGAINST DAMAGE TO OFF SITE PROPERTY. THE FOLLOWING PRACTICES SHALL BE EMPLOYED:

A. EROSION AND SEDIMENTATION CONTROL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. AREAS OF OFF-SITE DISCHARGE DURING CONSTRUCTION SHALL BE PROTECTED WITH A SEDIMENT BARRIER PER FLORIDA STORMWATER EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL TO PREVENT OFF-SITE DISCHARGE OF SEDIMENTS. A SILT BARRIER SHALL SPECIFICALLY BE REQUIRED, CONSTRUCTED, AND MAINTAINED AS INDICATED ON THIS SHEET. TEMPORARY SEED AND MULCH SHOULD BE USED TO CONTROL ON-SITE EROSION WHEN IT IS NOT PRACTICAL TO ESTABLISH PERMANENT VEGETATION. SOD SHALL BE PLACED AS EARLY AS POSSIBLE ON ALL SLOPES STEEPER THAN 5 (FT) HORIZONTAL TO 1 (FT) VERTICAL. SOD SHALL BE PINNED AS REQUIRED. ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE MAINTAINED IN WORKING ORDER THROUGHOUT THE CONSTRUCTION PHASE. THE CONTRACTOR SHALL INSPECT AND REPAIR AS NECESSARY THE EROSION/SEDIMENTATION PROTECTION AT THE END OF EACH WORKING DAY.

NOTE: EROSION/SEDIMENTATION CONTROL SHALL BE PLACED PRIOR TO SITE EXCAVATION AND SHALL REMAIN IN PLACE UNTIL SITE VEGETATION AND LANDSCAPING IS COMPLETE.

B. ALL INLET STRUCTURES AND PIPE SHALL BE PROTECTED FROM SILTATION BY CONSTRUCTING INLET PROTECTION AS DEFINED BY THESE PLANS OR IN THE FDOT STANDARDS. IF SILTATION OCCURS, THE CONTRACTOR IS RESPONSIBLE TO REMOVE SILTATION AS PART OF THE BASE CONTRACT AT NO ADDITIONAL COST TO THE OWNER.

C. EXCAVATED STORMWATER FACILITIES SHALL BE CONSTRUCTED AS PART OF THE INITIAL CONSTRUCTION. THE FACILITIES SHALL BE ROUGH GRADED TO THE DESIGN ELEVATIONS. AFTER THE CONTRIBUTING DRAINAGE AREA IS STABILIZED. THE FACILITIES BOTTOM SHALL BE OVER-EXCAVATED BY SIX INCHES, SCARIFIED, BACKFILLED WITH ARCHER FILL (HAVING NO MORE THAN 5% PASSING NO. 200 SIEVE), AND GRADED TO FINAL DESIGN GRADES. EXCESS AND UNSUITABLE SOILS SHALL BE REMOVED FROM THE BASIN (REMOVE ALL ACCUMULATED SILTS, CLAYS, ORGANIC, AND DEBRIS). FINALLY, SCARIFY AND RAKE BOTTOM AND VEGETATE.

D. PERMANENT VEGETATIVE STABILIZATION SHALL BE APPLIED ON FINE GRADED SITES AS SOON AS PRACTICAL. TEMPORARY SEEDING SHOULD BE EMPLOYED TO PREVENT EXPOSURE OF BARREN SOILS UNTIL PERMANENT VEGETATION CAN BE APPLIED.

E. ALL SLOPES 1:3 OR STEEPER REQUIRE LAPPED OR PEGGED SOD.

F. EROSION, SEDIMENT AND TURBIDITY CONTROL ARE THE RESPONSIBILITY OF THE CONTRACTOR. THESE DELINEATED MEASURES ARE THE MINIMUM REQUIRED, WITH ADDITIONAL CONTROLS TO BE UTILIZED AS NEEDED, DEPENDENT UPON ACTUAL SITE CONDITIONS AND CONSTRUCTION OPERATION.

G. ALL SYNTHETIC BALES, SILT FENCE, AND OTHER EROSION CONTROL MEASURES SHALL BE REMOVED AT THE COMPLETION OF THE PROJECT.

2. THE CONTRACTOR SHALL MAINTAIN IN HIS POSSESSION A COPY OF THE WATER MANAGEMENT DISTRICT CONSTRUCTION PERMIT. HE SHALL BE RESPONSIBLE FOR ADHERENCE TO ALL CONDITIONS CONTAINED IN THE PERMIT.

3. PROPOSED SPOT ELEVATIONS REPRESENT FINISHED PAVEMENT OR GROUND SURFACE GRADE UNLESS OTHERWISE NOTED ON DRAWINGS.

4. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER AND OWNER'S ENGINEER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO BE USED ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.

5. THE COST OF ALL TESTING OF COMPACTION AND OTHER REQUIRED TESTS SHALL BE PAID BY THE CONTRACTOR AND MADE AVAILABLE TO THE ENGINEER OF RECORD DURING SITE INSPECTIONS.

6. GENERAL CONTRACTOR TO CONTACT ENGINEER OF RECORD AND THE OWNER REPRESENTATIVE 48 HOURS IN ADVANCE PRIOR TO BACKFILLING TRENCHES FOR FIELD INSPECTION AND PRIOR TO LAYING ASPHALT FOR FIELD INSPECTION.

7. CONTRACTOR IS TO SUBMIT FDOT APPROVED ASPHALT DESIGN MIXES TO THE OWNER'S REPRESENTATIVE AND ENGINEER OF RECORD BEFORE ANY WORK IS TO COMMENCE ON PROJECT. THE MIXTURE AT THE PLANT OR ON THE ROAD SHALL NOT EXCEED 335 DEGREES. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AND PROVIDE TEMPERATURE READINGS PRIOR TO LAYING ASPHALT.

8. AS DETERMINED NECESSARY AND DIRECTED BY CITY OF ALACHUA OR ENGINEER OF RECORD, THE CONTRACTOR SHALL UNDERCUT ALL UNSUITABLE MATERIAL 24 INCHES BELOW THE BOTTOM OF ANY PROPOSED LIMEROCK BASE, AND SHALL BACKFILL WITH FILL MATERIAL MEETING FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION. SEE FDOT INDEX NO. 500 AND 505.

9. PROVIDE LEVEL PLATFORM IN FRONT OF ALL EGRESS DOORS. THE FLOOR SURFACE ON BOTH SIDES OF A DOOR SHALL BE AT THE SAME ELEVATION. THE FLOOR SURFACE OR LANDING ON EACH SIDE OF THE DOOR SHALL EXTEND FROM THE DOOR IN THE CLOSED POSITION A DISTANCE EQUAL TO THE DOOR WIDTH AND SHALL COMPLY WITH SECTION 4.13.6 MANEUVERING CLEARANCES AT DOORS OF THE FLORIDA ACCESSIBILITY CODE FOR BUILDING CONSTRUCTION.

10. RAMPS SHALL HAVE LEVEL LANDINGS AT THE BOTTOM AND TOP OF EACH RAMP RUN. CURB RAMPS ARE NOT REQUIRED TO HAVE LANDINGS. LANDINGS SHALL HAVE THE FOLLOWING FEATURES:

A. THE LANDING SHALL BE AT LEAST AS WIDE AS THE RAMP RUN LEADING TO IT.

B. ALL LANDINGS ON RAMPS SHALL BE NOT LESS THAN 60" CLEAR, AND THE BOTTOM OF EACH RAMP SHALL HAVE NOT LESS THAN 72" OF STRAIGHT AND LEVEL CLEARANCE.

C. IF RAMPS CHANGE DIRECTION AT LANDINGS, THE MINIMUM LANDING SIZE SHALL BE 60"X60". IF A RAMP RUN HAS A RISE GREATER THAN 6" OR A HORIZONTAL PROJECTION GREATER THAN 72" THEN IT SHALL HAVE HANDRAILS ON BOTH SIDES. HANDRAILS ARE NOT REQUIRED ON CURB RAMPS. HANDRAILS SHALL BE SHOWN ON THE SITE PLAN.

11. THE CONTRACTOR SHALL STOCKPILE TOPSOIL AND CONSTRUCTION MATERIALS IN AREAS DESIGNATED BY THE OWNER.

12. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING RECORD DRAWINGS AS NOTED IN NOTE #29 UNDER SITE GENERAL NOTES.

13. ALL CONCRETE USED SHALL BE 2,500 PSI MINIMUM.

14. ALL WELLS, CLEANOUTS, MANHOLE TOPS, PULL BOX COVERS AND OTHER UTILITY APPURTENANCES IN THE AREA OF REDEVELOPMENT SHALL BE PROTECTED AND TOPS ADJUSTED TO MATCH PROPOSED GRADES.

15. CONTRACTOR SHALL SAW CUT, TACK, AND MATCH EXISTING PAVEMENT AT LOCATIONS WHERE NEW PAVEMENT MEETS ANY EXISTING PAVEMENT.

16. SOD SHALL BE PLACED AROUND ALL STRUCTURES AS DIRECTED BY THE FDOT INDEX NO. 281. ALL OTHER DISTURBED AREAS SHALL BE SEEDED AND MULCHED.

17. ALL STORM SEWER CURB AND DITCH BOTTOM INLETS SHALL CONFORM TO THE APPLICABLE FDOT INDEX. ALL DRAINAGE STRUCTURES WITH GRATES THAT ARE LOCATED IN GRASSED AREAS SHALL HAVE THE GRATE CHAINED TO THE STRUCTURE USING AN EYE BOLT AND CHAIN.

18. ALL CONCRETE STRUCTURES SHALL HAVE ALL EXPOSED EDGES CHAMFERED 3/4" AND CLASS I SURFACE FINISH.

19. ALL HDPE FITTINGS AND CONNECTORS SHALL BE SOIL TIGHT. SEE SPECIFICATIONS FOR MORE INFORMATION.

20. COMPACTION OF ALL MATERIALS SHALL BE LIMITED TO STATIC MODE ONLY, UNLESS DIRECTED OTHERWISE BY THE ENGINEER OR RECORD.

21. ALL RCP PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC IN ACCORDANCE WITH FDOT STANDARD SPECIFICATION SECTION 430.

WATER AND WASTEWATER GENERAL NOTES

1. MATERIALS AND CONSTRUCTION METHODS FOR WATER AND WASTEWATER SYSTEMS SHALL BE IN ACCORDANCE WITH THE LOCAL REGULATORY AGENCY CODES, PLANS, AND SPECIFICATIONS FOR CONSTRUCTION, LATEST REVISION THEREOF AND SUPPLEMENTAL SPECIFICATIONS THERETO. APPROVAL AND CONSTRUCTION OF ALL UTILITY EXTENSIONS AND CONNECTIONS MUST BE COORDINATED THROUGH THE REGULATORY AGENCY DEPARTMENT FOR PUBLIC UTILITIES.

2. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY ALL UTILITY COMPANIES TO DISCONNECT OR REMOVE THEIR FACILITIES PRIOR TO REMOVING OR DEMOLISHING ANY EXISTING STRUCTURES FROM THE SITE.

3. THE CONTRACTOR IS RESPONSIBLE FOR ANY NECESSARY UTILITY FIELD LOCATION AND RELOCATION AS REQUIRED.

4. THE COST OF ALL TESTING OF COMPACTION AND OTHER REQUIRED TESTS SHALL BE PAID BY THE CONTRACTOR AND MADE AVAILABLE TO THE ENGINEER OF RECORD DURING SITE INSPECTIONS.

5. THE CONTRACTOR SHALL PERFORM AN INFILTRATION/EXFILTRATION TEST ON GRAVITY SEWERS IN ACCORDANCE WITH THE REGULATORY JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. COORDINATION AND NOTIFICATION OF PARTIES US THE CONTRACTOR'S RESPONSIBILITY.

6. ALL FORCE MAINS SHALL BE SUBJECT TO A HYDROSTATIC PRESSURE TEST IN ACCORDANCE WITH THE REGULATORY AGENCY HAVING JURISDICTION. SAID TESTS ARE TO BE CERTIFIED BY THE ENGINEER AND SUBMITTED TO THE REGULATORY AGENCY FOR APPROVAL. COORDINATION AND NOTIFICATION OF PARTIES IS THE CONTRACTOR'S RESPONSIBILITY.

7. CONTRACTOR SHALL SUBMIT FOR REVIEW TO THE OWNER AND OWNER'S ENGINEER SHOP DRAWINGS ON ALL PRECAST AND MANUFACTURED ITEMS TO BE USED ON THIS SITE. FAILURE TO OBTAIN APPROVAL BEFORE INSTALLATION MAY RESULT IN REMOVAL AND REPLACEMENT AT CONTRACTOR'S EXPENSE. ENGINEER'S APPROVAL OF A SHOP DRAWING DOES NOT RELIEVE THE CONTRACTOR'S RESPONSIBILITY FOR THE PERFORMANCE OF THE ITEM.

8. NEW OR RELOCATED, UNDERGROUND WATER MAINS SHALL BE LAID TO PROVIDE A HORIZONTAL DISTANCE OF AT LEAST SIX FEET, AND PREFERABLE TEN FEET, BETWEEN THE OUTSIDE OF THE WATER MAIN AND THE OUTSIDE OF ANY EXISTING OR PROPOSED GRAVITY- OR PRESSURE-TYPE SANITARY SEWER, WASTEWATER FORCE MAIN, OR PIPELINE CONVEYING RECLAIMED WATER NOT REGULATED UNDER PART III OF CHAPTER 62-610, F.A.C.

9. WHEN POTABLE WATER MAINS CROSS OTHER PIPES, THE TWO PIPES SHALL HAVE JOINTS A MINIMUM OF SIX FEET FROM THE CROSSING. WHEN POTABLE WATER MAINS CROSS UNDERNEATH OTHER PIPES, THE MINIMUM VERTICAL SEPARATION IS TWELVE INCHES. WHEN POTABLE WATER MAINS CROSS ABOVE PRESSURE WASTEWATER MAINS, WASTEWATER FORCE MAINS, AND RECLAIMED WATER MAINS, THE MINIMUM VERTICAL SEPARATION IS TWELVE INCHES. WHEN POTABLE WATER MAINS CROSS ABOVE GRAVITY AND VACUUM WASTEWATER MAINS, STORM SEWERS, AND STORMWATER FORCE MAINS, THE PREFERRED VERTICAL SEPARATION IS TWELVE INCHES AND THE THE MINIMUM VERTICAL SEPARATION IS SIX INCHES.

10. ALL WATER MAINS SHALL HAVE A MINIMUM OF 36 INCHES OF COVER.

11. RESTRAINED JOINTS SHALL BE PROVIDED AT ALL FITTINGS AND HYDRANTS IN ACCORDANCE WITH AWWA STANDARDS.

12. ALL PVC WATER SERVICE LINES SHALL BE SCH 40 PVC.

13. THE SITE WORK CONTRACTOR SHALL ENGAGE THE SERVICES OF A LICENSED UNDERGROUND UTILITY AND EXCAVATION CONSTRACTOR TO INSTALL THE NEW WATER SERVICE LINE.

14. ALL SANITARY SEWER SERVICE LATERALS SHALL BE 4" PVC SDR 35 OR 6" PVC SDR 35 WITH A CLEAN-OUT LOCATED PER THE PLANS. MINIMUM SLOPE FOR 4" LATERALS SHALL BE 1.0% AND A MINIMUM CLEANOUT SPACING OF 75 FEET ON-CENTER AND MINIMUM SLOPE FOR 6" LATERALS SHALL BE 0.6% AND A MINIMUM CLEANOUT SPACING OF 100 FEET ON-CENTER.

15. PUBLIC UTILITY EASEMENTS WILL BE PROVIDED AS REQUIRED FOR ALL UTILITIES SHOWN HEREON BY METES AND BOUND DESCRIPTION AND IN ACCORDANCE WITH THE REGULATORY AGENCY DEPARTMENT FOR PUBLIC UTILITIES.

16. FIRE LINE SHALL MEET SECTION 3(B)(3) OF CITY OF ALACHUA ORDINANCE 15-12.

ELECTRIC SERVICE GENERAL NOTES

1. ALL ELECTRICAL UTILITIES AND INFORMATION SHOWN ON THE CIVIL PLANS ARE FOR LOCATION AND COORDINATION PURPOSES ONLY. REFER TO ELECTRICAL PLANS BY OTHERS FOR THE ELECTRICAL DESIGN AND DETAILS.

2. ELECTRIC DESIGN PROVIDED BY OTHERS.

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SCALE: N/A

VERIFY SCALE: BAR IS ONE INCH ON ORIGINAL DRAWING. 0 — 1". IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
2018-03-29 CITY OF ALACHUA, ALACHUA COUNTY, SRWMD
2018-05-14 CITY OF ALACHUA, ACPWD, SRWMD
2018-06-20 CITY OF ALACHUA, SRWMD
2018-07-18 CITY OF ALACHUA, SRWMD
2018-07-30 PZB & SRWMD

CLIENT: CITY OF ALACHUA

PROJECT: LEGACY PARK PHASE 2A

SHEET TITLE: GENERAL NOTES

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QUALITY CONTROL: T. FLEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY
FL PE No. 84295

SHEET NO.: C0.10

Tech: kurtm Plot Date: Jul 26,2018 1:28pm Filename: L:\2017\17-0373\engineering\DWGs\production files\17-0373_C0.10_NT_LegacyParkPh2.dwg

ABBREVIATIONS

SYMBOLS	
'	FEET (WHEN USED WITH LENGTHS)
˚	DEGREES
'	MINUTES (WHEN USED WITH ANGLES)
"	SECONDS
%	PERCENT
@	AT
A	
AASHTO	ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
AC	ACRES
ADA	AMERICAN WITH DISABILITIES ACT
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
ARCH	ARCHITECT
ARV	AIR RELEASE VALVE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
AWWA	AMERICAN WATER WORKS ASSOCIATION
B	
BC	BACK OF CURB
BFP	BACKFLOW PREVENTER
BLDG	BUILDING
BM	BENCHMARK
BMP	BEST MANAGEMENT PRACTICE
BOC	BACK OF CURB
BVCS	BEGIN VERTICAL CURVE STATION
BVCE	BEGIN VERTICAL CURVE ELEVATION
BW	BOTTOM OF WALL
BSL	BUILDING SETBACK LINE
C	
CATV	CABLE TELEVISION
CI	CURB INLET
CIP	CAST IRON PIPE
CMP	CORRUGATED METAL PIPE
CO	CLEANOUT
CONC	CONCRETE
COORD	COORDINATE
CR	COUNTY ROAD
C/O	CLEANOUT
D	
DBH	DIAMETER AT BREAST HEIGHT
DE	DRAINAGE EASEMENT
DEG	DEGREE
DIA	DIAMETER
DIP	DUCTILE IRON PIPE
DWG	DRAWING
E	
e	RATE OF ELEVATION
E	EAST
EA	EACH
EL	ELEVATION
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EOR	ENGINEER OF RECORD
ERCP	ELLIPTICAL REINFORCED CONCRETE PIPE
ESMT	EASEMENT
EVCS	END VERTICAL CURVE STATION
EVCE	END VERTICAL CURVE ELEVATION
EX	EXISTING
F	
FAC	FLORIDA ADMINISTRATIVE CODE
FBR	FLORIDA BEARING RATIO
FC	FRICTION COURSE
FDEP	FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
FDOT	FLORIDA DEPARTMENT OF TRANSPORTATION
FFE	FINISHED FLOOR ELEVATION
FH	FIRE HYDRANT
FHWA	FLORIDA HIGHWAY ADMINISTRATION
FIG	FIGURE
FM	FORCE MAIN
FOC	FACE OF CURB
FS	FLORIDA STATUTES
FT	FEET
G	
GALV	GALVANIZED
GM	GAS MAIN
GV	GATE VALVE
H	
HDPE	HIGH DENSITY POLYETHYLENE
HP	HIGH POINT
I	
ID	IDENTIFICATION
INV	INVERT
INV EL	INVERT ELEVATION
IP	IRON PIPE
K	
K	VERTICAL CURVE RATE OF CHANGE
L	
L	LENGTH
LA	LANDSCAPE ARCHITECT
LBR	LIMEROCK BEARING RATIO
LDR	LAND DEVELOPMENT REGULATION
LF	LINEAR FEET
LP	LOW POINT
LT	LEFT
M	
MAX	MAXIMUM
ME	MATCH EXISTING
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES
N	
N	NORTH
N-E	NORTHING - EASTING
N/A	NOT APPLICABLE
NAVD	NORTH AMERICAN VERTICAL DATUM OF 1988
NGVD	NATIONAL GEODETIC VERTICAL DATUM OF 1929
NO	NUMBER
NPDES	NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM
NTS	NOT TO SCALE
O	
OC	ON CENTER
OHW	OVERHEAD WIRE
ORB	OFFICIAL RECORDS BOOK
OSHA	OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION
P	
PAVT	PAVEMENT
PC	POINT OF CURVATURE
PCC	POINT OF COMPOUND CURVE
PERF	PERFORATED
PROP	PROPOSED
PT	POINT OF TANGENCY
PVC	POLYVINYL CHLORIDE
PVI	POINT OF VERTICAL INTERSECTION
R	
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RPM	RAISED REFLECTIVE PAVEMENT MARKER
RPZ	REDUCED PRESSURE ZONE
RT	RIGHT
RWM	RECLAIMED WATER MAIN
R/W	RIGHT-OF-WAY
S	
S	SOUTH
SAN	SANITARY
SHWE	SEASONAL HIGH WATER ELEVATION
SL	SLOPE
SP	SUPERPAVE
SR	STATE ROAD
SS	SANITARY SEWER
ST	STORM
STA	STATION
STD	STANDARD
T	
TCE	TEMPORARY CONSTRUCTION EASEMENT
TEMP	TEMPORARY
TOB	TOP OF BANK
TV	TELEVISION
TW	TOP OF WALL
TYP	TYPICAL
U	
USF	UNITED STATES FOUNDRY
USGS	UNITED STATES GEOLOGICAL SURVEY
UTIL	UTILITY
V	
V	VERTICAL
VC	VERTICAL CURVE
VCP	VITRIFIED CLAY PIPE
W	
W	WEST
W	WATER
W/	WITH
WM	WATER MAIN
WW	WASTEWATER
WWF	WELDED WIRE FABRIC

SIGNAGE

SIGNS ARE PER FDOT SPECIFICATIONS OR PER MUTCD. SIGN POSTS AND INSTALLATION SHALL BE PER FDOT INDEX NO. 11860. SIGN PLACEMENT SHALL BE PER FDOT INDEX NO. 17302.

- PARKING BY DISABLED PERMIT ONLY — FTP-20-06 (12" X 18") PER FDOT INDEX NO. 17355
- STOP — R1-1 "STOP" - SEE PLANS FOR SIZE

SITE INFORMATION

- EX. PROPERTY LINE
- LANDSCAPE BUFFER LINE
- BUILDING SETBACK LINE
- WETLAND LIMITS LINE
- WETLAND SETBACK LINE
- CENTER LINE
- EASEMENT LINE
- RIGHT-OF-WAY LINE
- SF — SF: SILT FENCE LINE
- TB — TB: TREE BARRICADE LINE
- EX. STRUCTURE OR BUILDING
- PROPOSED BUILDING
- PROPOSED ASPHALTIC PAVEMENT
- PROPOSED CONCRETE PAVEMENT
- PROPOSED DETECTABLE WARNING SURFACE
- DIRECTIONAL TRAFFIC ARROW PER FDOT INDEX NO. 17346
- WATERSHED DIVIDE
- 99: EX. ELEVATION CONTOUR
- 99: PROPOSED CONTOUR
- 93.2×: EX. SPOT ELEVATION
- 93.23: PROPOSED SPOT ELEVATION
- DIRECTION OF SURFACE DRAINAGE FLOW
- PROPOSED SWALE LINE
- x — x: EX. FENCE
- PROPOSED FENCE
- 12" PINE: EX. TREE (SIZE & TYPE)
- 1234: EX. TREE (TREE ID)
- 12" PINE: EX. TREE TO BE REMOVED (SIZE & TYPE)
- 1234: EX. TREE TO BE REMOVED (TREE ID)
- PROJECT BENCHMARK

STORMWATER

THE PROPOSED STORMWATER STRUCTURES DEPICTED BELOW ARE DRAWN PER FDOT SPECIFICATIONS AND TO SCALE WHEN SHOWN ON THE PLAN SHEETS.

- ST — ST: EX. GRAVITY STORMWATER MAIN
- PROPOSED GRAVITY STORMWATER MAIN (PIPE LENGTHS ARE FROM N-E LOCATION OF A STRUCTURE TO N-E LOCATION OF A STRUCTURE)
- (ST) EX. STORMWATER MANHOLE
- N-E LOCATION, TOP/RIM ELEV. LOCATION: PROPOSED 48" DIA. STORMWATER MANHOLE PER FDOT INDEX. NO. 200 AND 201
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED CIRCULAR AREA DRAIN
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED SQUARE AREA DRAIN
- N-E LOCATION, TOP ELEV. LOCATION: PROPOSED TYPE 1 CURB INLET TOP PER FDOT INDEX NO. 210 (SEE PLANS FOR BOTTOM SPECIFICATION)
- N-E LOCATION, TOP ELEV. LOCATION: PROPOSED TYPE 2 CURB INLET TOP PER FDOT INDEX NO. 210 (SEE PLANS FOR BOTTOM SPECIFICATION)
- N-E LOCATION, TOP ELEV. LOCATION: PROPOSED TYPE 3 CURB INLET TOP PER FDOT INDEX NO. 210 (SEE PLANS FOR BOTTOM SPECIFICATION)
- N-E LOCATION, TOP ELEV. LOCATION: PROPOSED TYPE 4 CURB INLET TOP PER FDOT INDEX NO. 210 (SEE PLANS FOR BOTTOM SPECIFICATION)
- N-E LOCATION, TOP ELEV. LOCATION: PROPOSED TYPE 5 CURB INLET TOP PER FDOT INDEX NO. 211 (SEE PLANS FOR BOTTOM SPECIFICATION)
- N-E LOCATION, TOP ELEV. LOCATION: PROPOSED TYPE 6 CURB INLET TOP PER FDOT INDEX NO. 211 (SEE PLANS FOR BOTTOM SPECIFICATION)
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED TYPE 9 CURB INLET TOP PER FDOT INDEX NO. 214 (SEE PLANS FOR BOTTOM SPECIFICATION)
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED TYPE 'C' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 232 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED TYPE 'D' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 232 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED TYPE 'E' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 232 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED TYPE 'F' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 233 (SEE PLANS FOR BOTTOM SPECIFICATION)
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED TYPE 'G' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 233 (SEE PLANS FOR BOTTOM SPECIFICATION)
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED TYPE 'H' DITCH BOTTOM INLET TOP PER FDOT INDEX NO. 232 (SEE PLANS FOR GRATE MATERIAL AND BOTTOM SPECIFICATION)
- N-E LOCATION, TOP/GRATE ELEV. LOCATION: PROPOSED TYPE 'J' DITCH BOTTOM INLET TOP WITH STEEL GRATE PER FDOT INDEX NO. 234 (SEE PLANS FOR BOTTOM SPECIFICATION)
- PIPE INV. LOCATION, N-E LOCATION: PROPOSED U-TYPE CONCRETE ENDWALLS WITH GRATES PER FDOT INDEX NO. 260 (SEE PLANS FOR SIZE)
- N-E LOCATION, INV. ELEV. LOCATION: PROPOSED FLARED END SECTION PER FDOT INDEX NO. 270 (SEE PLANS FOR SIZE)
- N-E LOCATION, PIPE INV. ELEV. LOCATION: PROPOSED CROSS DRAIN MITERED END SECTION PER FDOT INDEX NO. 272 (SEE PLANS FOR SIZE)
- N-E LOCATION, PIPE INV. ELEV. LOCATION: PROPOSED SIDE DRAIN MITERED END SECTION PER FDOT INDEX NO. 273 (SEE PLANS FOR SIZE)
- (S-10) PROPOSED STORMWATER STRUCTURE ID TAG

POTABLE AND RECLAIMED WATER

- W — W: EX. POTABLE WATER MAIN
- P-W: PROPOSED POTABLE WATER MAIN
- RCW — RCW: EX. RECLAIMED WATER MAIN
- P-RCW: PROPOSED RECLAIMED WATER MAIN
- 11.25˚ BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
- 22.5˚ BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
- 45˚ BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
- 90˚ BEND W/ MECHANICALLY RESTRAINED JOINTS (POTABLE AND RCW)
- TEE (POTABLE AND RCW)
- CROSS (POTABLE AND RCW)
- BLOWOFF ASSEMBLY (POTABLE AND RCW)
- REDUCER (POTABLE AND RCW)
- EX. GATE VALVE AND BOX (POTABLE AND RCW)
- PROPOSED GATE VALVE AND BOX (POTABLE AND RCW)
- EX. AIR RELEASE VALVE (POTABLE AND RCW)
- PROPOSED AIR RELEASE VALVE (POTABLE AND RCW)
- EX. FIRE HYDRANT ASSEMBLY
- PROPOSED FIRE HYDRANT ASSEMBLY
- PROPOSED SAMPLE POINT
- EX. WATER METER (POTABLE AND RCW)
- PROPOSED POTABLE WATER METER
- PROPOSED POTABLE WATER BACK FLOW PREVENTER
- PROPOSED RECLAIMED WATER METER
- (W) EX. WATER WELL
- EX, HOSE BIB (POTABLE AND RECLAIMED)
- PROPOSED HOSE BIB (POTABLE AND RECLAIMED)
- (11) PROPOSED FITTING ID TAG (POTABLE AND RECLAIMED)

WASTEWATER

- WW — WW: EX. GRAVITY WASTEWATER MAIN
- P-WW: PROPOSED GRAVITY WASTEWATER MAIN (PIPE LENGTHS ARE FROM N-E LOCATION OF A STRUCTURE TO N-E LOCATION OF A STRUCTURE)
- FM — FM: EX. WASTEWATER FORCE MAIN
- P-FM: PROPOSED WASTEWATER FORCE MAIN
- (SS) EX. WASTEWATER MANHOLE
- N-E LOCATION, RIM ELEV. LOCATION: PROPOSED WASTEWATER MANHOLE
- EX. WASTEWATER CLEANOUT
- PROPOSED WASTEWATER CLEANOUT
- PROPOSED WASTEWATER GREASE TRAP
- MH#: PROPOSED WASTEWATER MANHOLE ID
- 11.25˚ BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
- 22.5˚ BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
- 45˚ BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
- 90˚ BEND W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
- WYE W/ MECHANICALLY RESTRAINED JOINTS (WW FORCE MAIN)
- EX. PLUG VALVE AND BOX (WW FORCE MAIN)
- PROPOSED PLUG VALVE AND BOX (WW FORCE MAIN)
- EX. AIR RELEASE VALVE (WW FORCE MAIN)
- PROPOSED AIR RELEASE VALVE (WW FORCE MAIN)

MISCELLANEOUS UTILITIES

THE PROPOSED UTILITIES BELOW ARE DESIGN BY OTHERS AND ARE DEPICTED FOR COORDINATION PURPOSES ONLY. REFER TO PLANS BY OTHERS FOR EXACT LOCATIONS, DIMENSION, AND DETAILS.

- P-ATT: PROPOSED AT&T LINE
- BC — BC: EX. BURIED CABLE LINE
- P-BC: PROPOSED BURIED CABLE LINE
- BTEL: EX. BURIED TELEPHONE LINE
- P-TEL: PROPOSED TELEPHONE LINE
- CATV: EX. CABLE TELEVISION LINE
- P-TV: PROPOSED CABLE/TELEVISION LINE
- FO — FO: EX. FIBER OPTIC LINE
- UGTEL: EX. UNDERGROUND TELEPHONE LINE
- te: EX. TELEPHONE PEDESTAL
- EX. TELEVISION/CABLE PEDESTAL
- CHW — CHW: EX. CHILLED WATER MAIN
- P-CHW: PROPOSED CHILLED WATER MAIN
- FIRE: EX. FIRE MAIN
- P-FIRE: PROPOSED FIRE MAIN
- IRR — IRR: EX. IRRIGATION LINE
- P-IRR: PROPOSED IRRIGATION LINE
- STEAM: EX. STEAM LINE
- P-STEAM: PROPOSED STEAM LINE
- P-CLAY: PROPOSED CLAY ELECTRIC LINE
- E — E: EX. ELECTRIC LINE
- P-E: PROPOSED ELECTRIC LINE
- EN — EN: EX. ENERGY LINE
- P-LIGHT: PROPOSED PRIVATE LIGHTING LINE
- OHW — OHW: EX. OVERHEAD WIRE LINE
- UGE — UGE: EX. UNDERGROUND ELECTRIC LINE
- EX. LIGHT
- EX. UTILITY POLE
- EX. UTILITY POLE
- EX. WOOD POWER POLE
- EX. GUY ANCHOR
- T: PROPOSED TRANSFORMER
- GAS — GAS: EX. GAS LINE
- P-GAS: PROPOSED GAS LINE
- EX. GAS MARKER
- EX. GAS MARKER

NOTES:
1. THIS LEGEND IS ALL INCLUSIVE AND MAY INCLUDE ITEMS NOT A PART OF THIS PLAN SET.

2. SYMBOLS SHOWN ON THIS SHEET ARE FOR ILLUSTRATIVE PURPOSES ONLY. UNLESS NOTED OTHERWISE, SYMBOLS IN THESE PLANS MAY NOT BE REPRESENTATIVE OF SIZE.

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CHW Professional Consultants

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CLIENT: CITY OF ALACHUA
PROJECT: LEGACY PARK PHASE 2A
SHEET TITLE: LEGEND

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QUALITY CONTROL: T. FLEGERT
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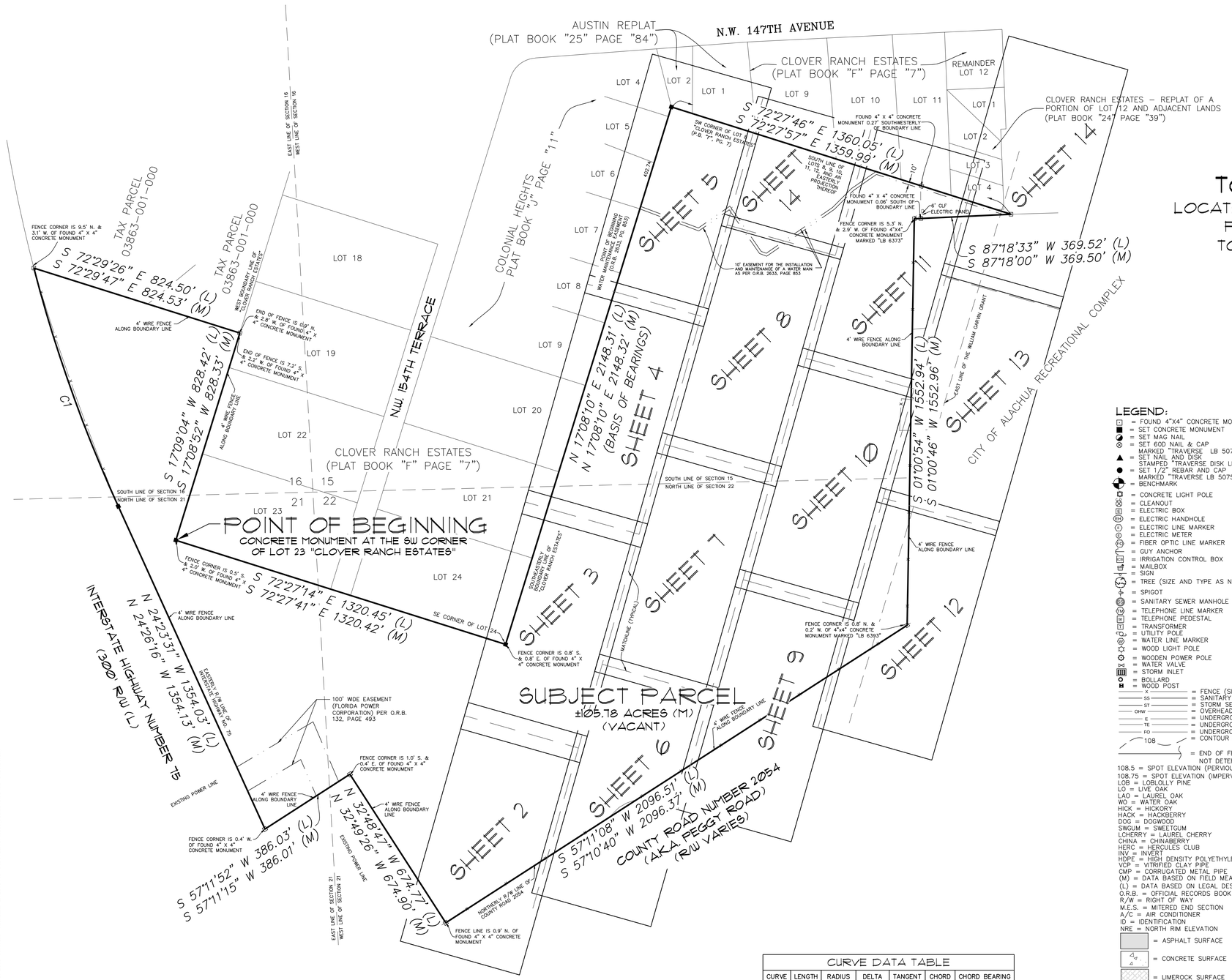
TRAVIS J. HASTAY
FL PE No. 84295

SHEET NO.: C0.11

Tech: kurtm Plot Date: Jul 26,2018 1:28pm Filename: L:\2017\17-0373\engineering\DWGs\production files\17-0373_C0.11_LG_LegacyParkPh2.dwg



GRAPHIC SCALE
0 100 200 400

N

TOPOGRAPHIC SURVEY

LOCATED IN THE WILLIAM GARVIN GRANT & IN
FRACTIONAL SECTIONS 15 AND 22,
TOWNSHIP 8 SOUTH, RANGE 18 EAST,
CITY OF ALACHUA,
ALACHUA COUNTY, FLORIDA

LEGEND:

- = FOUND 4"X4" CONCRETE MONUMENT
- = SET CONCRETE MONUMENT
- = SET MAG NAIL
- = SET 60D NAIL & CAP MARKED "TRAVERSE LB 5075"
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FLOOD ZONE:

THIS PROPERTY IS LOCATED IN FEDERAL FLOOD ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, AS INTERPOLATED FROM F.I.R.M. PANEL NO. 12001C0120D, **EFFECTIVE** DATE: JUNE 16, 2006.

CURVE DATA TABLE

CURVE	LENGTH	RADIUS	DELTA	TANGENT	CHORD	CHORD BEARING
C1 (M)	966.41'	5579.58'	9°55'26"	484.42'	965.21'	N 19°30'15" W
C1 (L)	966.46'	5579.58'	9°55'28"	484.44'	965.26'	N 19°32'47" W

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CITY OF ALACHUA

CERTIFIED TO:

SURVEY DATE: 12/10/2015
REVISION DATE:
PROJECT NUMBER: 15-0451.01

TECHNICAL: CS
ORDER CHIEF: NWD
DRAWN BY: MLH
FIELD BOOK & PAGE: 490/37-49

MICHAEL L. HARBERT
Professional Surveyor & Mapper Fla. License No. 4995

This map prepared by:
Certificate of Authorization No. LB. 5075
NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

SHEET NO.: 1 OF 14

Tech: cstebe Plot Date: Jan 07,2016 10:41am Filename: L:\2015\15-0451\Survey\topographic\DWG\15-0451.01.dwg

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LOCATED IN THE WILLIAM GARVIN GRANT & IN
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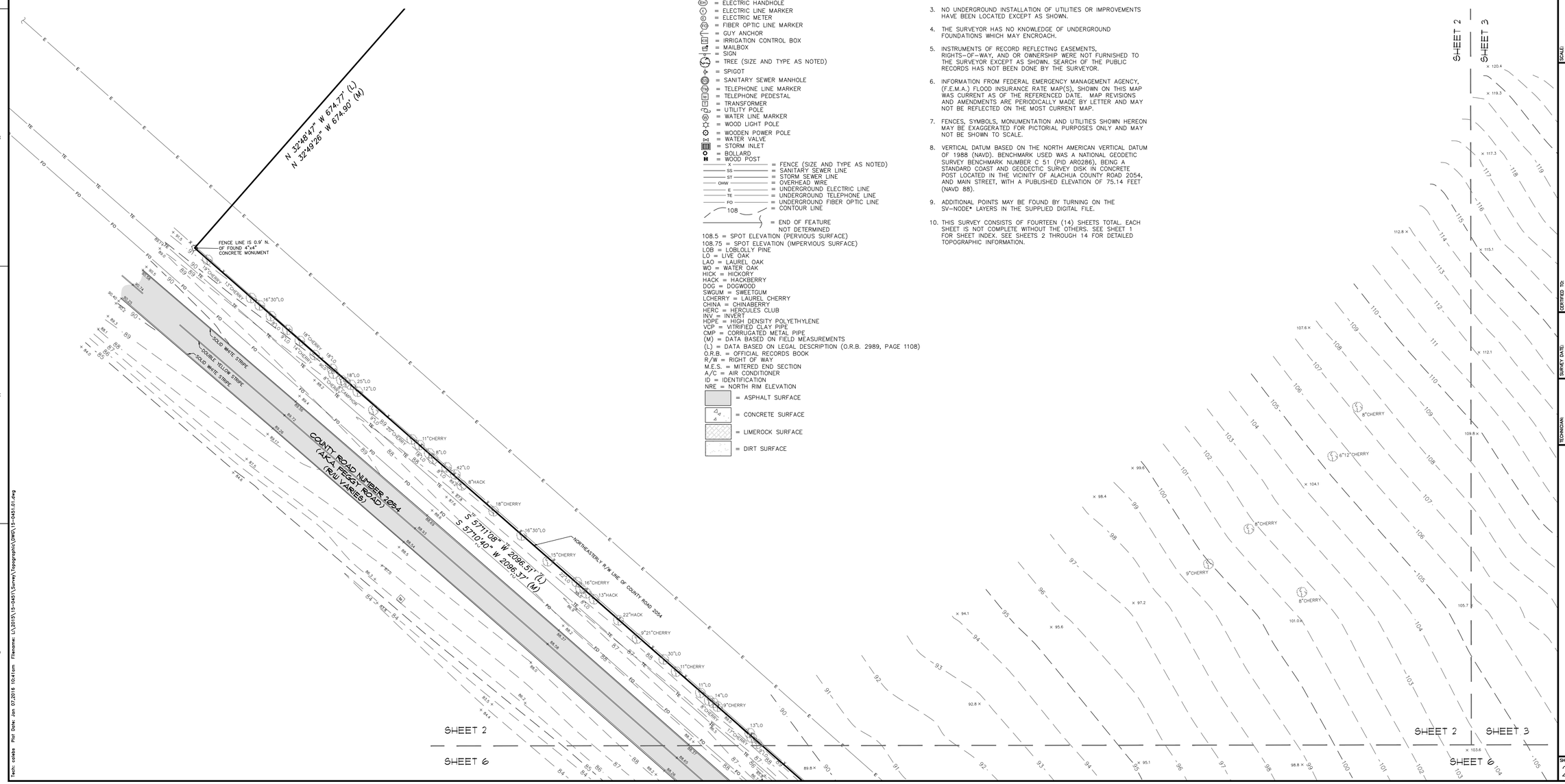

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GRAPHIC SCALE
0 15 30 60

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CERTIFIED TO:
SEE SURVEYOR'S CERTIFICATION ON SHEET 1 OF 14

SURVEY DATE: 12/10/2015
REVISION DATE:
PROJECT NUMBER: 15-0451.01

TECHNICIAN: CS
CREW CHIEF: WMD
DRAWN BY: MLH
FIELD BOOK & PAGE: 490/37-49

MICHAEL L. HARBERT
SEE SURVEYOR'S CERTIFICATION OF SHEET 1 OF 14
Professional Surveyor & Mapper Fla. License No. 4995

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SHEET NO.: 2 OF 14

Tech: cstokes Plot Date: Jan 07,2016 10:41am Filename: L:\2015\15-0451\Survey\topographic\DWG\15-0451.01.dwg

TOPOGRAPHIC SURVEY

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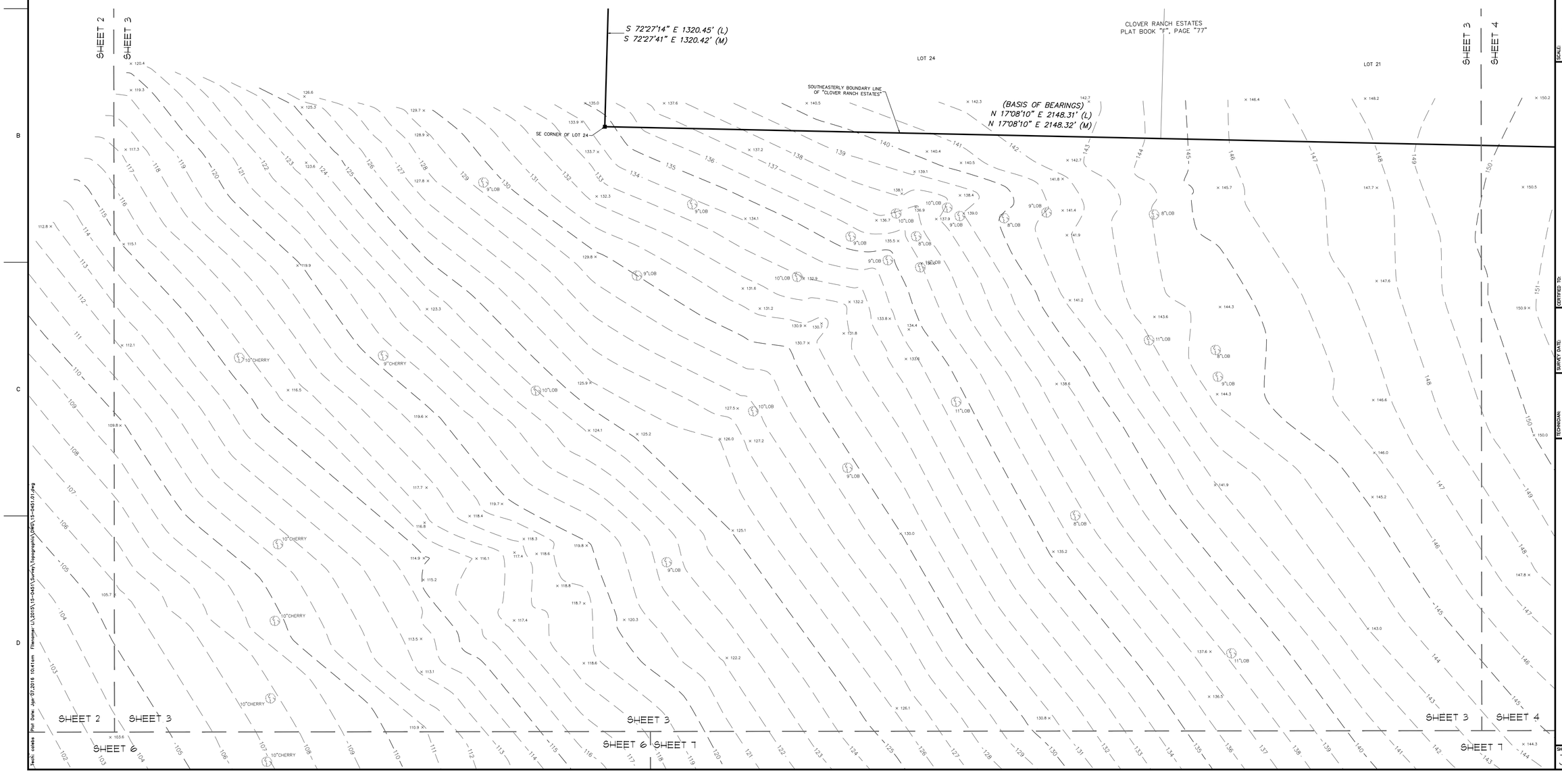
0 5 10 20



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SURVEY DATE: 12/10/2015	TECHNICIAN: CS
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	DRAWN BY: MWD
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SHEET NO.: 3 OF 14

Tech: cates Plot Date: Jan 07,2016 10:41am Filename: L:\2015\15-045\1\Survey\Topographic\DWG\15-0451.01.dwg

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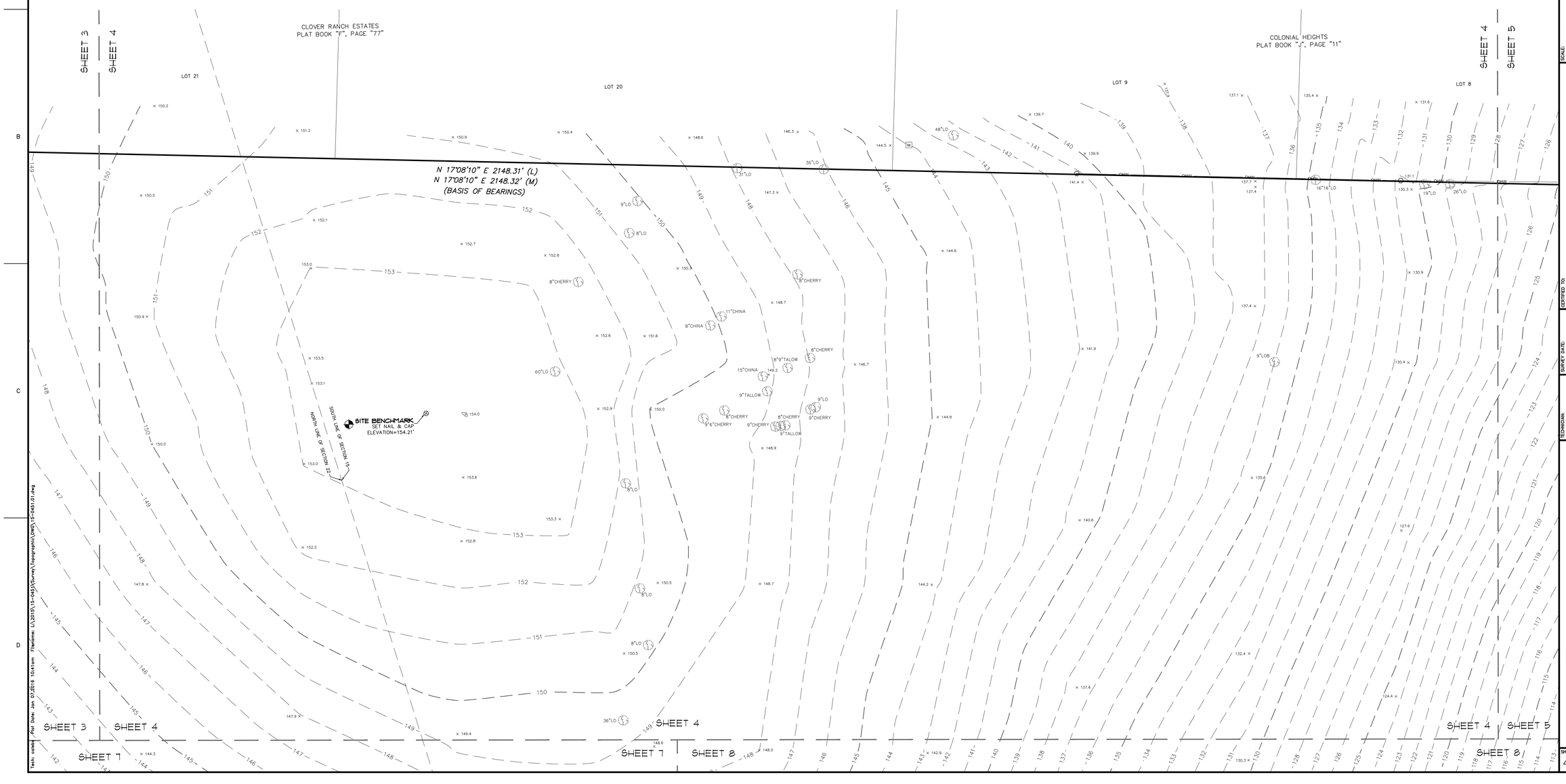

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SEE SURVEYOR'S CERTIFICATION ON SHEET 1 OF 14

SURVEY DATE: 12/10/2015
REVISION DATE:
PROJECT NUMBER: 15-0451.01

TECHNICIAN: CS
CREW CHIEF: WMD
DRAWN BY: MLH
FIELD BOOK & PAGE: 490/37-49

MICHAEL L. HARBERT
SEE SURVEYOR'S CERTIFICATION OF SHEET 1 OF 14
Professional Surveyor & Mapper Flo. License No. 4995

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Certificate of Authorization No. L.B. 5075
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SHEET NO.: 4 OF 14

Tech: cstark Plot Date: Jun 07,2016 10:41am Filename: L:\2015\15-0451\Survey\topographic\dwg\15-0451.01.dwg

TOPOGRAPHIC SURVEY

LOCATED IN THE WILLIAM GARVIN GRANT & IN FRACTIONAL SECTIONS 15 AND 22, TOWNSHIP 8 SOUTH, RANGE 18 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

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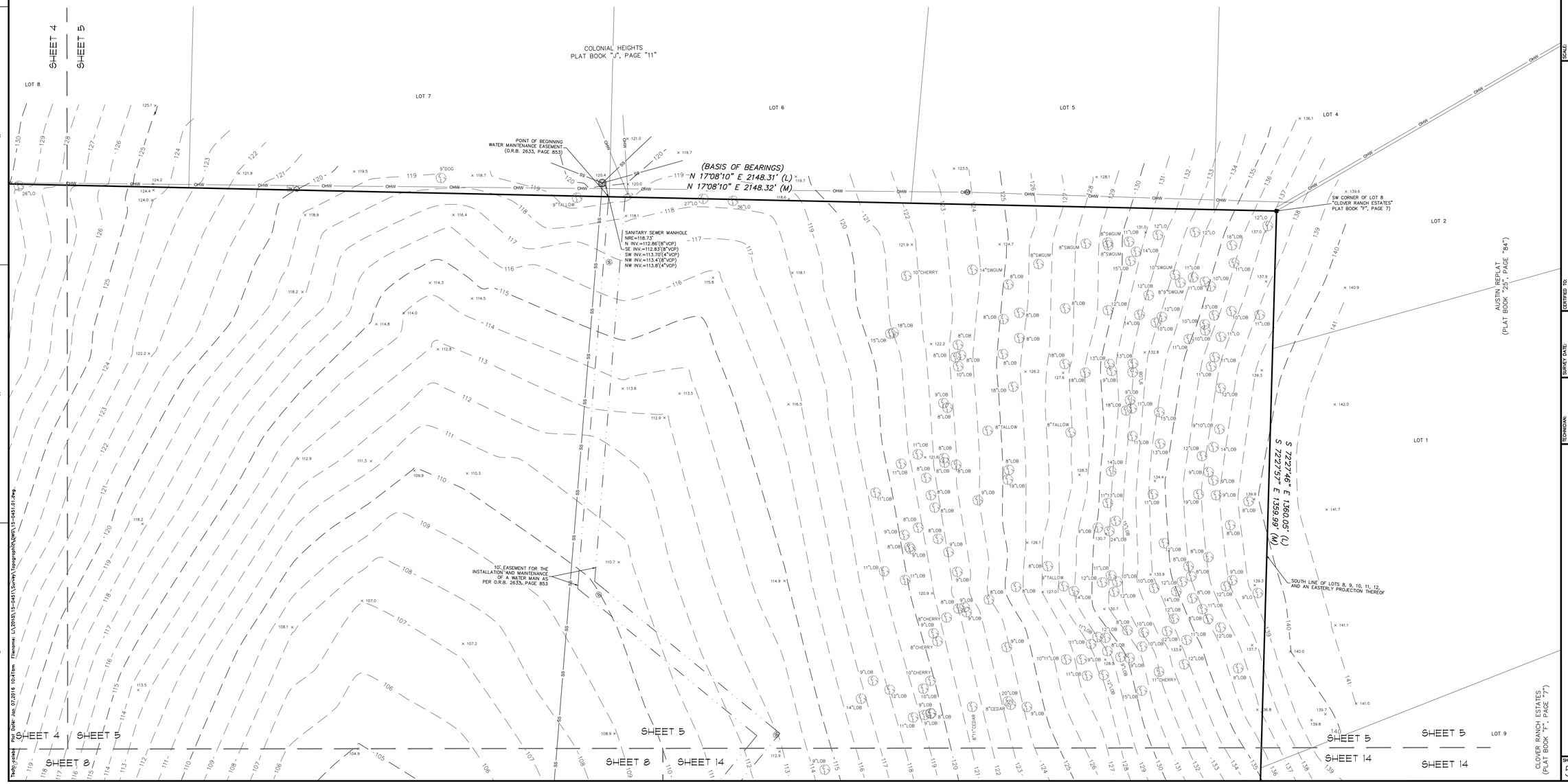

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SURVEY DATE: 12/10/2015	TECHNICIAN: CS
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PROJECT NUMBER: 15-0451.01	DRAWN BY: MLH
	FIELD BOOK & PAGE: 490/37-49

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SHEET NO.: 5 OF 14

Today's date: Jan. 07, 2016 10:47am Filename: L:\2015\15-0451\Survey\topographic\dwg\15-0451.01.dwg Pen Table: chw_color.ctb

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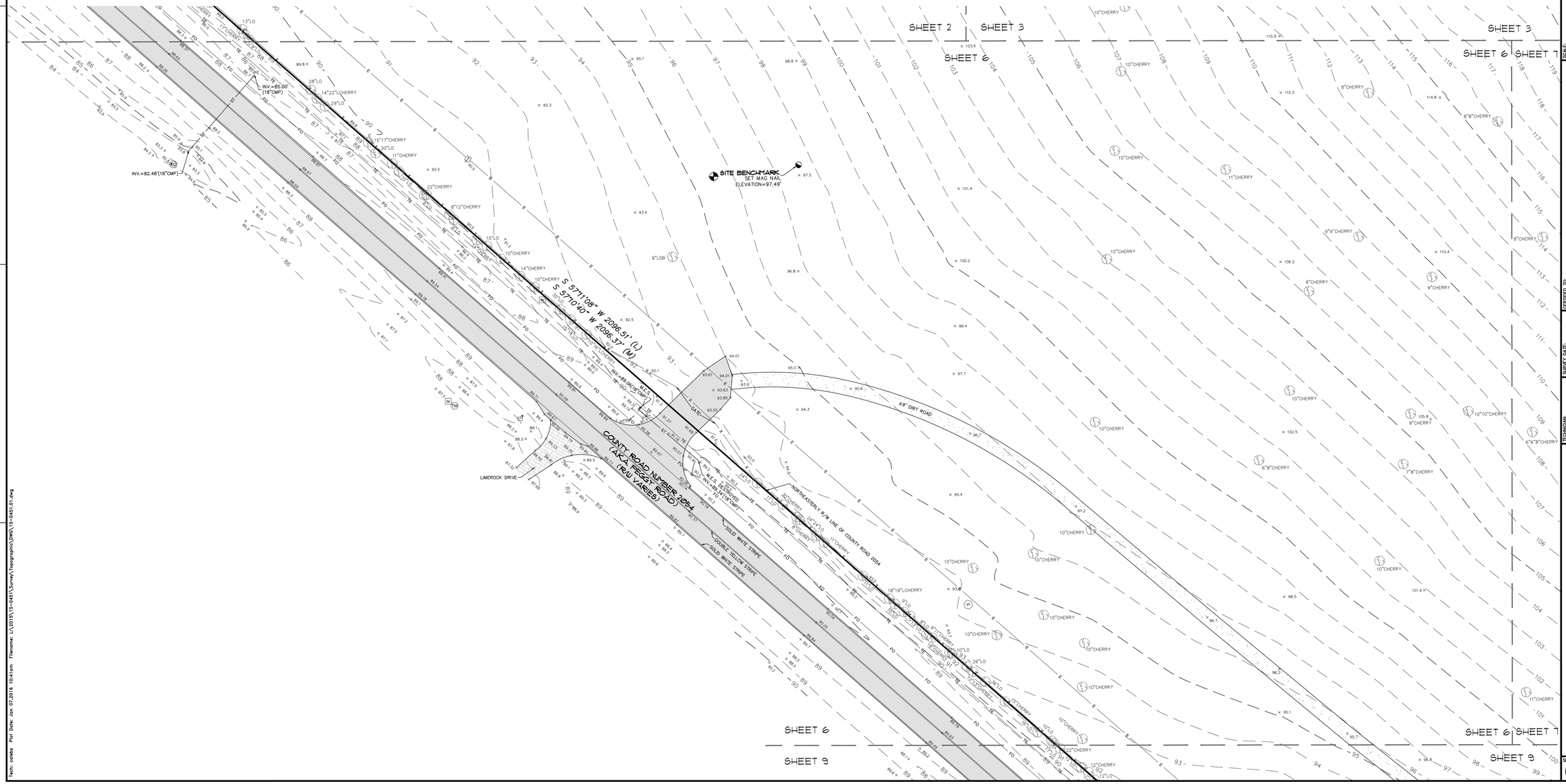

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SURVEY DATE: 12/10/2015
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TECHNICIAN: CS
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DRAFTED BY: MLH
FIELD BOOK & PAGE: 490/37-49

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SHEET NO.: 6 OF 14

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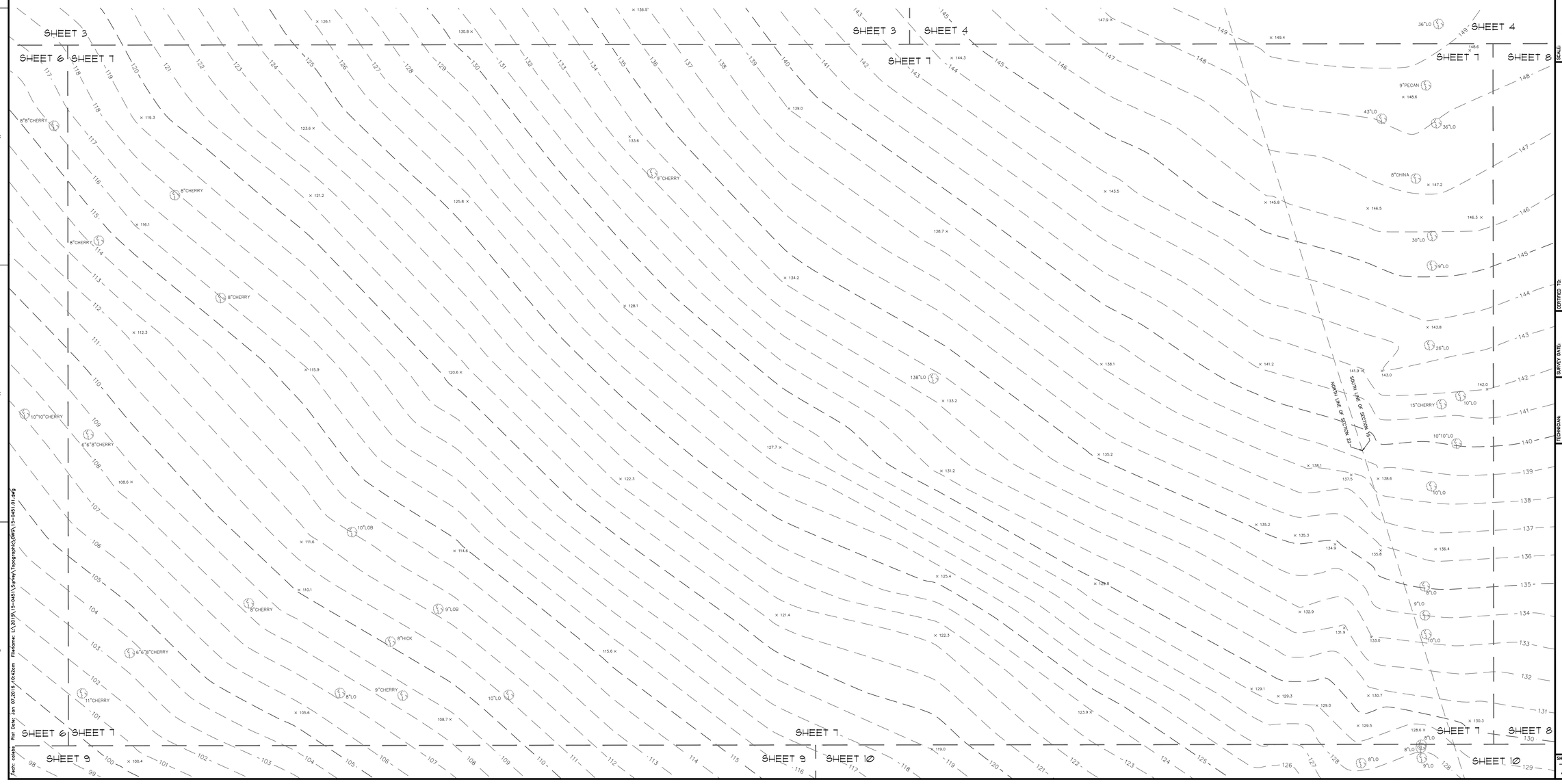

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SHEET NO.: 7 OF 14

Path: cabke Plot Date: Jan 07,2016,10:42am Filename: L:\2015\15-0451\Survey\topopoint\GRG\15-0451.01.dwg

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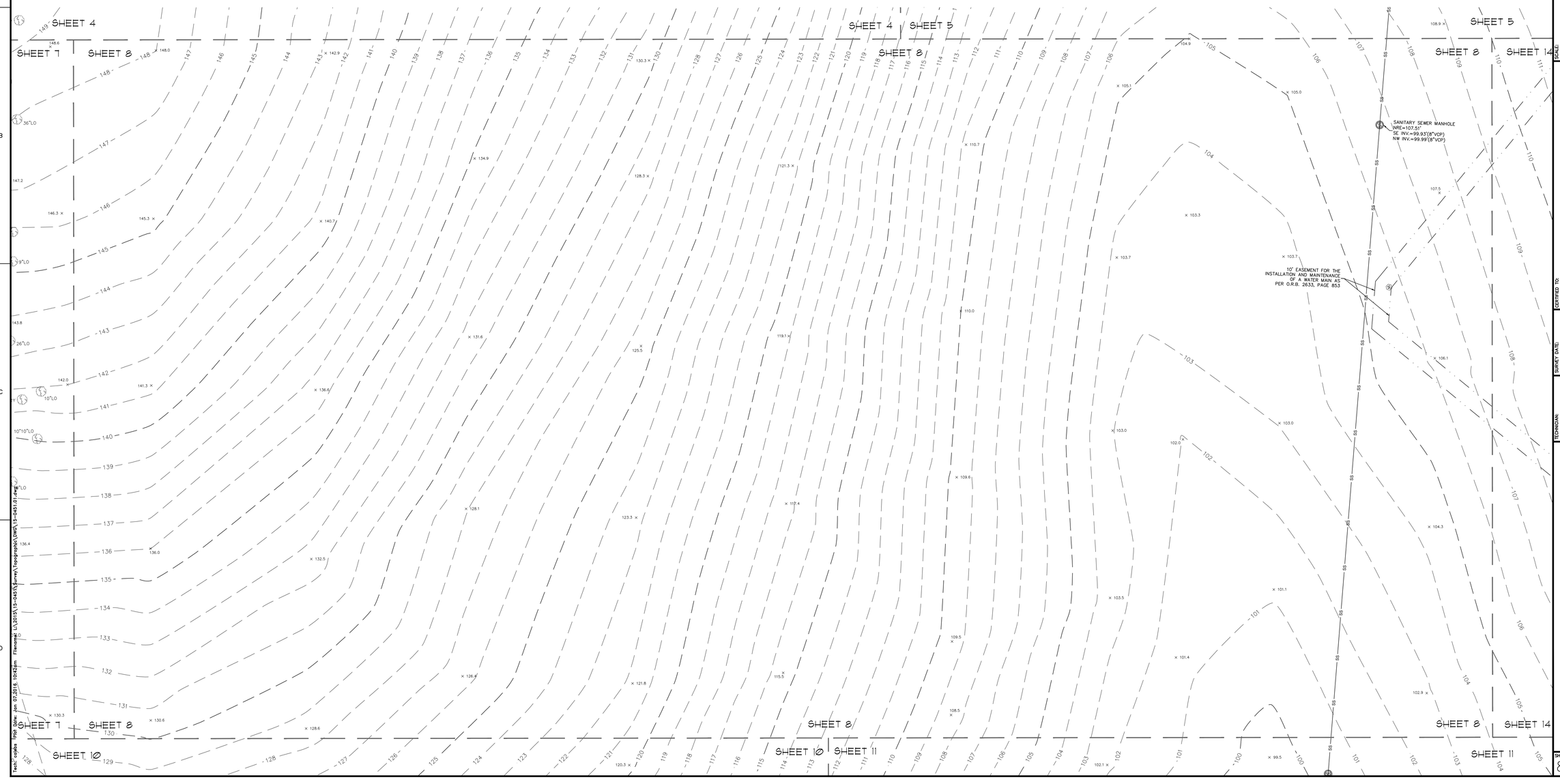

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SEE SURVEYOR'S CERTIFICATION ON SHEET 1 OF 14

SURVEY DATE: 12/10/2015

REVISION DATE:

PROJECT NUMBER: 15-0451.01

TECHNICIAN: CS

CREW CHIEF: WMO

DRAWN BY: MLH

FIELD BOOK & PAGE: 490/37-49

This map prepared by:

MICHAEL L. HARBERT

SEE SURVEYOR'S CERTIFICATION OF SHEET 1 OF 14
Professional Surveyor & Mapper Fla. License No. 4995

Certificate of Authorization No. LB. 5075

NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

SHEET NO.: 8 OF 14

Tech: cs/ds Rep date: Jan 07,2015 to:dj/jm Filename: L:\2015\15-0451\Survey\Topography\Dwg\15-0451.01.dwg

TOPOGRAPHIC SURVEY

LOCATED IN THE WILLIAM GARVIN GRANT & IN FRACTIONAL SECTIONS 15 AND 22, TOWNSHIP 8 SOUTH, RANGE 18 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

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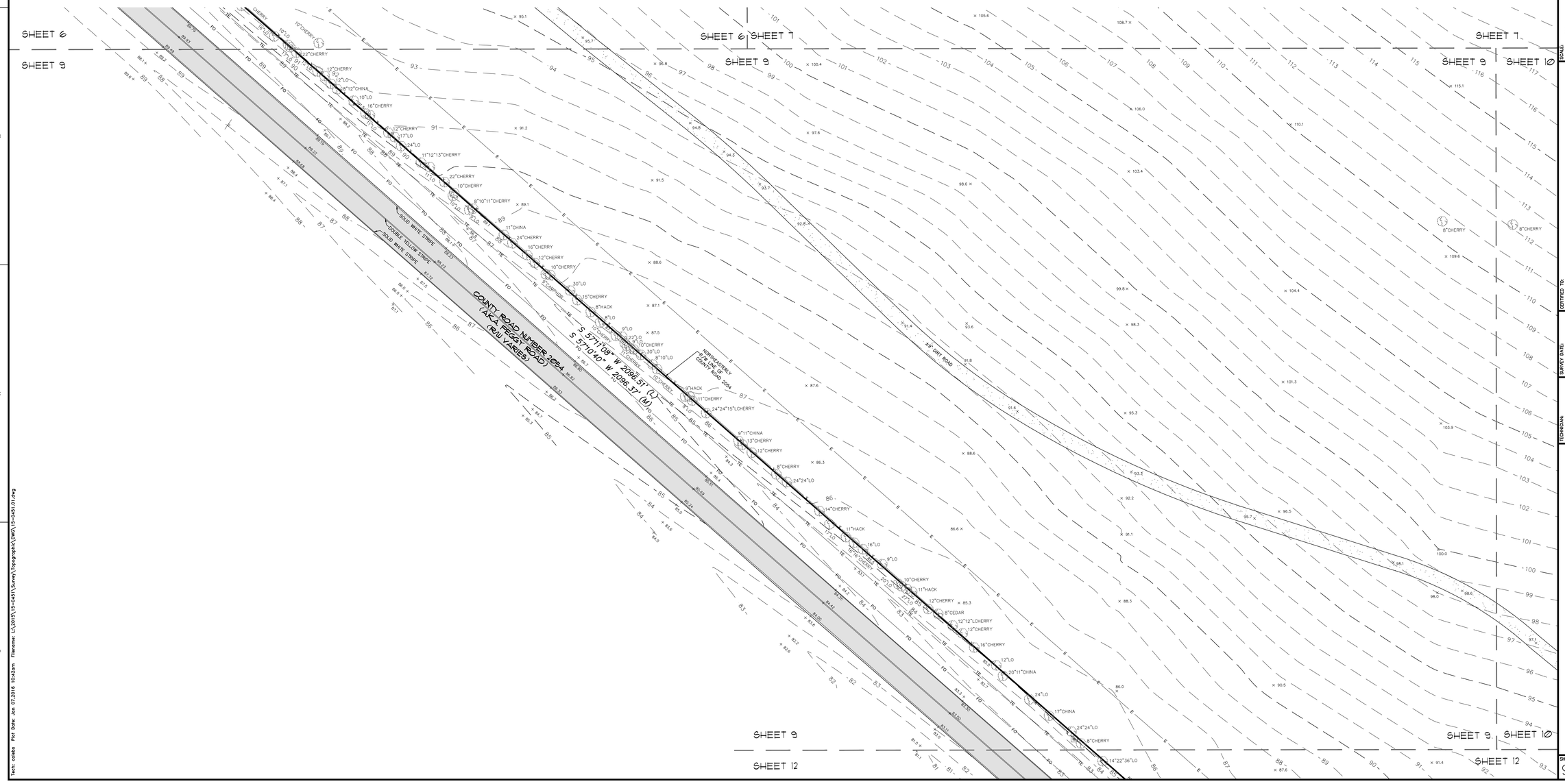

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SURVEY DATE: 12/10/2015
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FIELD BOOK & PAGE: 490/37-49

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SHEET NO.: 9 OF 14

Tech: cstebe Plot Date: Jan 07,2016 10:42am Filename: L:\2015\15-0451\Survey\topographic\DWG\15-0451.01.dwg

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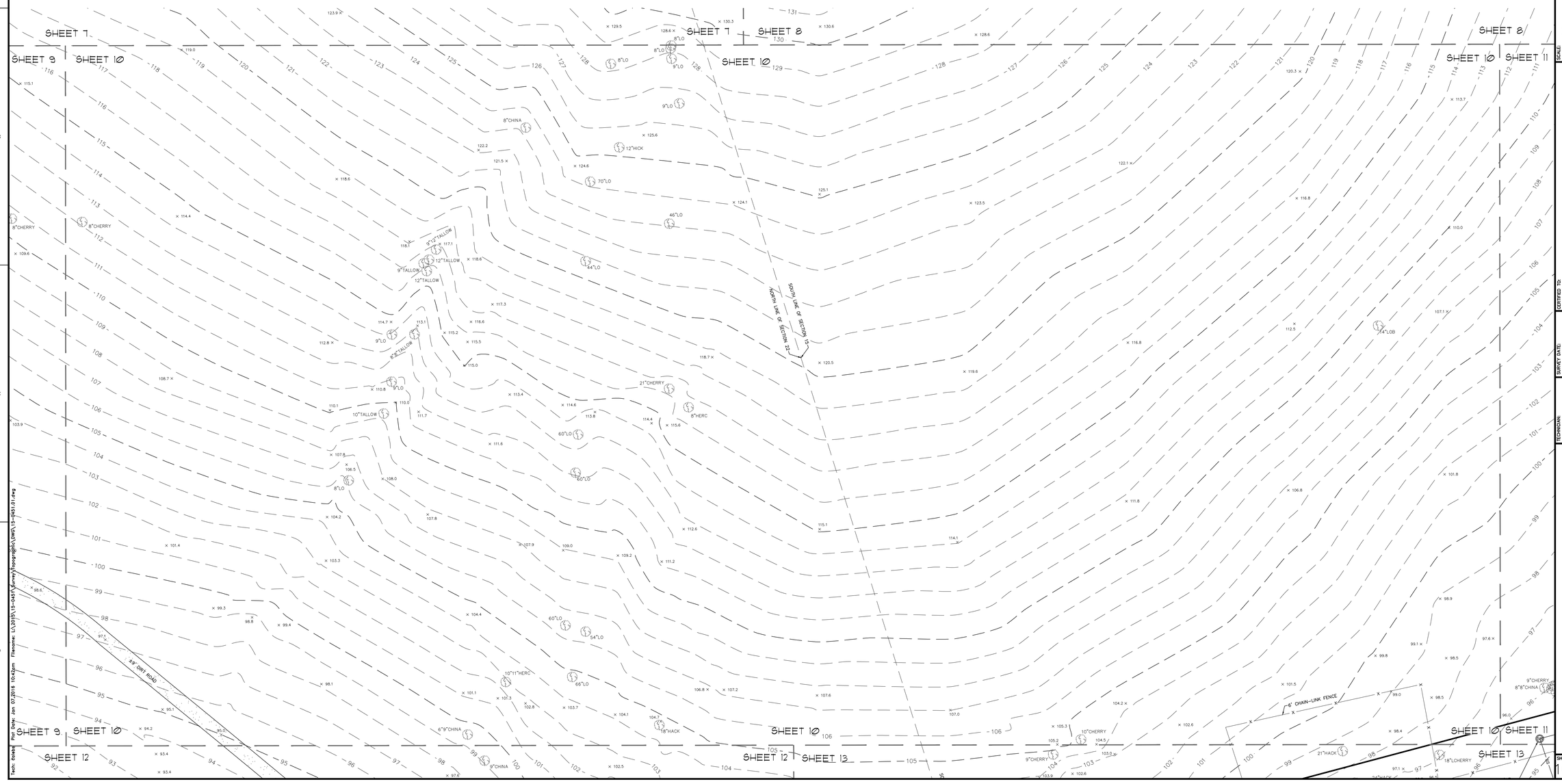

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SURVEY DATE: 12/10/2015
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TECHNICIAN: CS
CREW CHIEF: JWD
DRAWN BY: MLH
FIELD BOOK & PAGE: 490/37-49

MICHAEL L. HARBERT

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SHEET NO.: 10 OF 14

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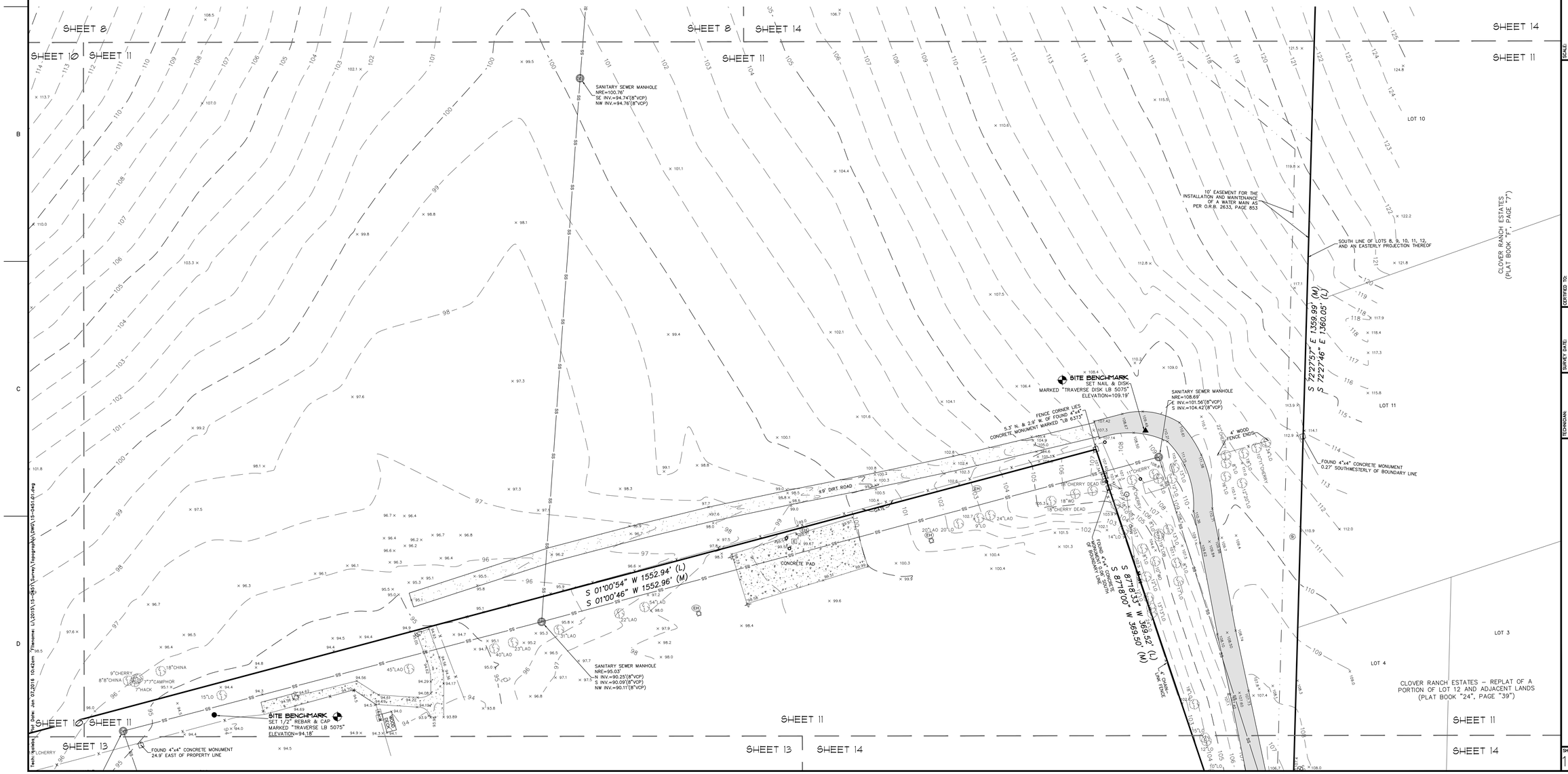

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SHEET NO.: 11 OF 14

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GRAPHIC SCALE
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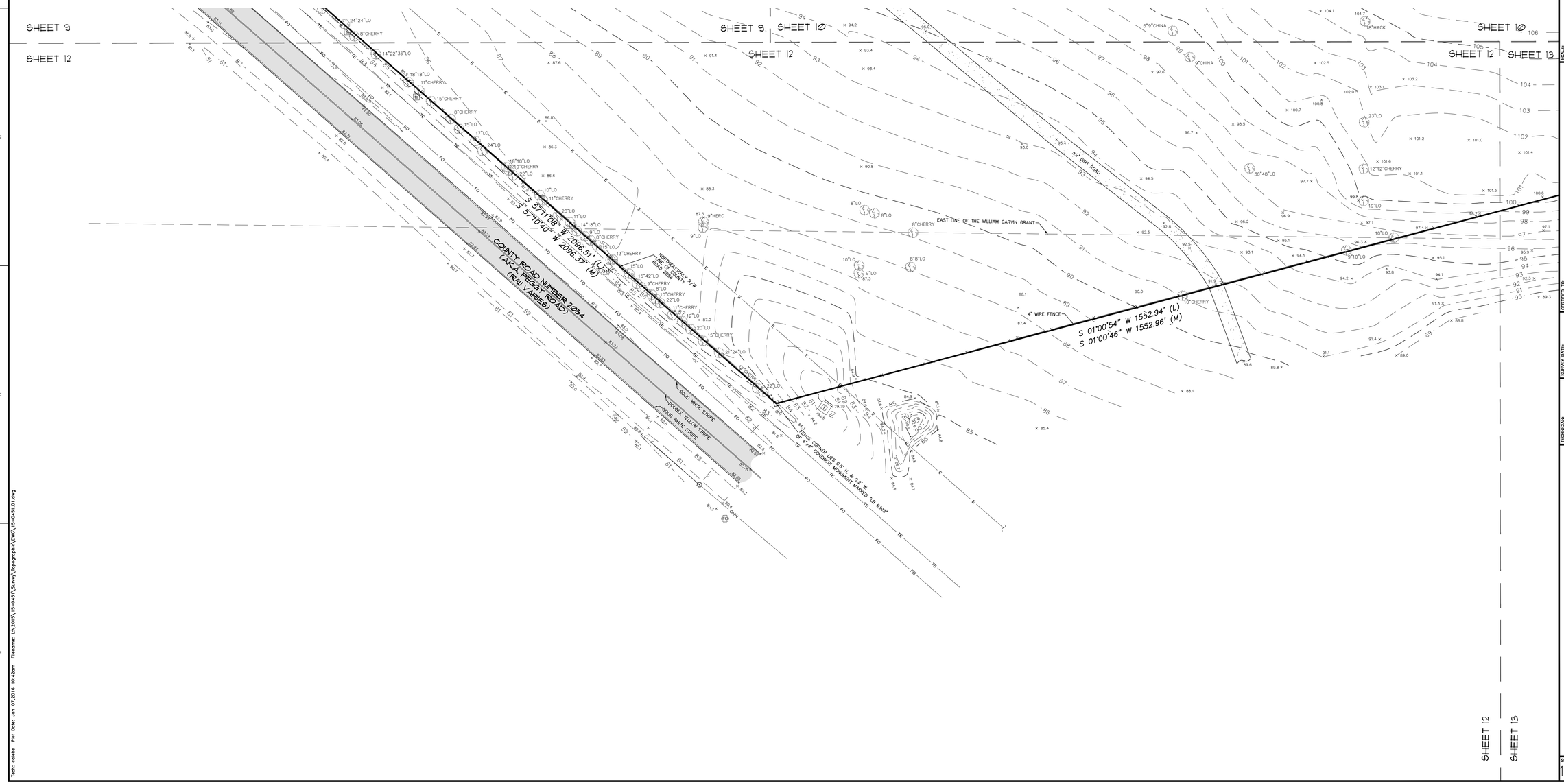

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CERTIFIED TO:

SURVEY DATE: 12/10/2015
REVISION DATE:
PROJECT NUMBER: 15-0451.01

TECHNICIAN: CS
CREW CHIEF: WMD
DRAWN BY: MLH
FIELD BOOK & PAGE: 490/37-49

This map prepared by:
MICHAEL L. HARBERT
SEE SURVEYOR'S CERTIFICATION OF SHEET 1 OF 14
Professional Surveyor & Mapper Fla. License No. 4995
Certificate of Authorization No. L.B. 5075
NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

SHEET NO.: 12 OF 14

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TOPOGRAPHIC SURVEY

LOCATED IN THE WILLIAM GARVIN GRANT & IN FRACTIONAL SECTIONS 15 AND 22, TOWNSHIP 8 SOUTH, RANGE 18 EAST, CITY OF ALACHUA, ALACHUA COUNTY, FLORIDA

LEGEND:

- = FOUND 4"X4" CONCRETE MONUMENT
- = SET CONCRETE MONUMENT
- = SET MAG NAIL
- = SET 60D NAIL & CAP MARKED "TRAVERSE LB 5075"
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- = SET 1/2" REBAR AND CAP MARKED "TRAVERSE LB 5075"
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- = CLEANOUT
- = ELECTRIC BOX
- = ELECTRIC HANDHOLE
- = ELECTRIC LINE MARKER
- = ELECTRIC METER
- = FIBER OPTIC LINE MARKER
- = GUY ANCHOR
- = IRRIGATION CONTROL BOX
- = MAILBOX
- = SIGN
- = TREE (SIZE AND TYPE AS NOTED)
- = SPIGOT
- = SANITARY SEWER MANHOLE
- = TELEPHONE LINE MARKER
- = TELEPHONE PEDESTAL
- = TRANSFORMER
- = UTILITY POLE
- = WATER LINE MARKER
- = WOOD LIGHT POLE
- = WOODEN POWER POLE
- = WATER VALVE
- = STORM INLET
- = BOLLARD
- = WOOD POST
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- ST = STORM SEWER LINE
- OHW = OVERHEAD WIRE
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- TE = UNDERGROUND TELEPHONE LINE
- FO = UNDERGROUND FIBER OPTIC LINE
- 108 = CONTOUR LINE
- = END OF FEATURE NOT DETERMINED
- = ASPHALT SURFACE
- = CONCRETE SURFACE
- = LIMEROCK SURFACE
- = DIRT SURFACE

108.5 = SPOT ELEVATION (PERVIOUS SURFACE)
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WO = WATER OAK
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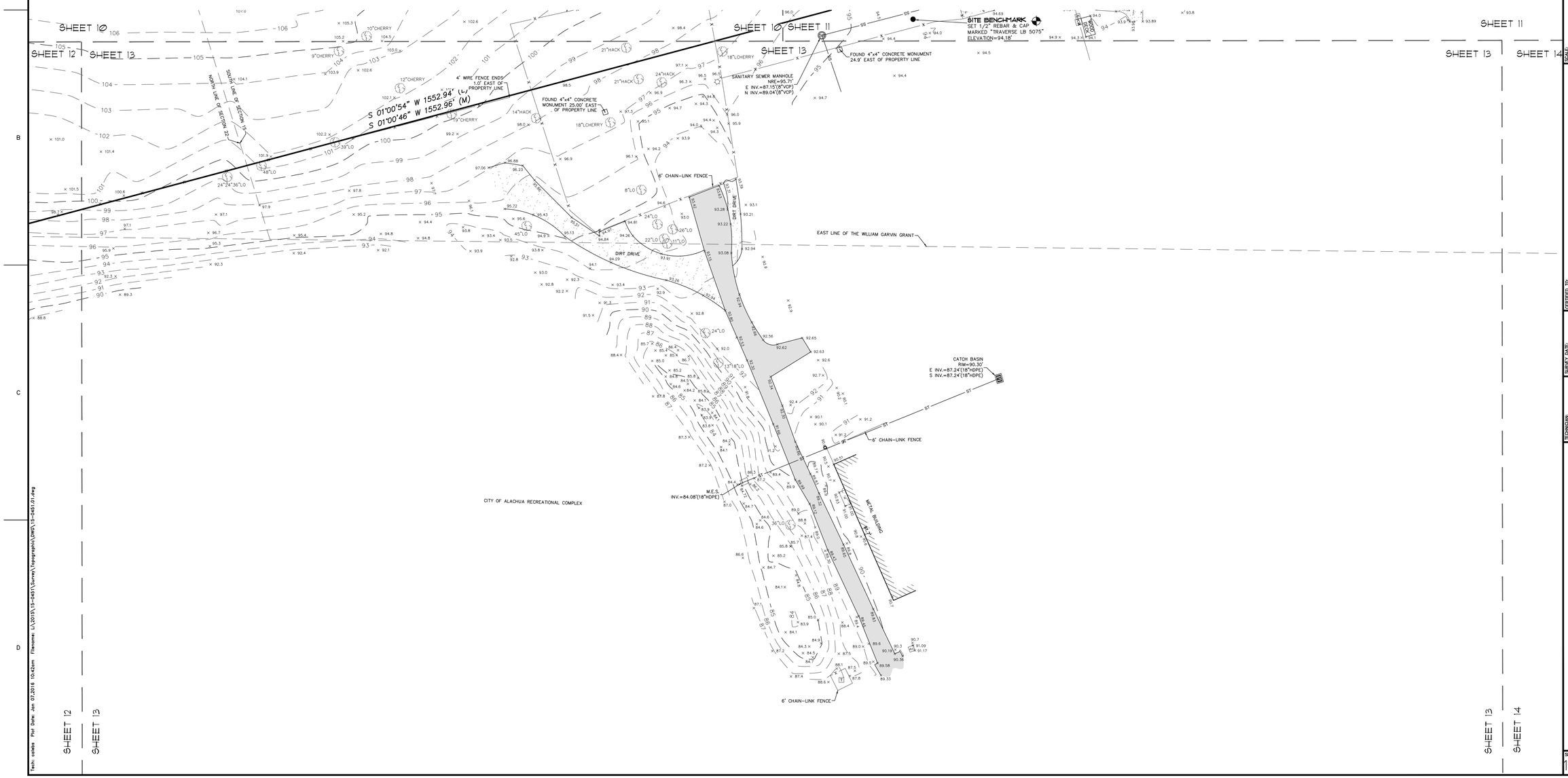

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SHEET NO.: 13 OF 14

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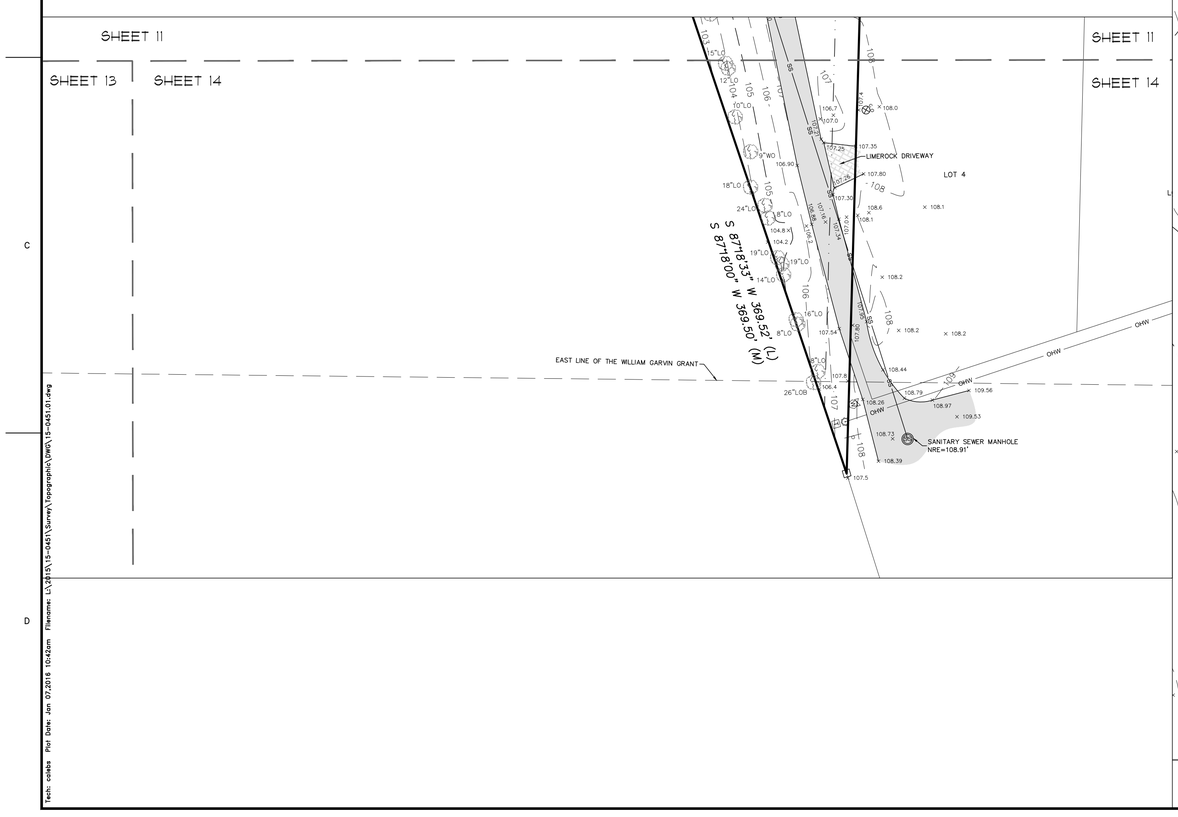

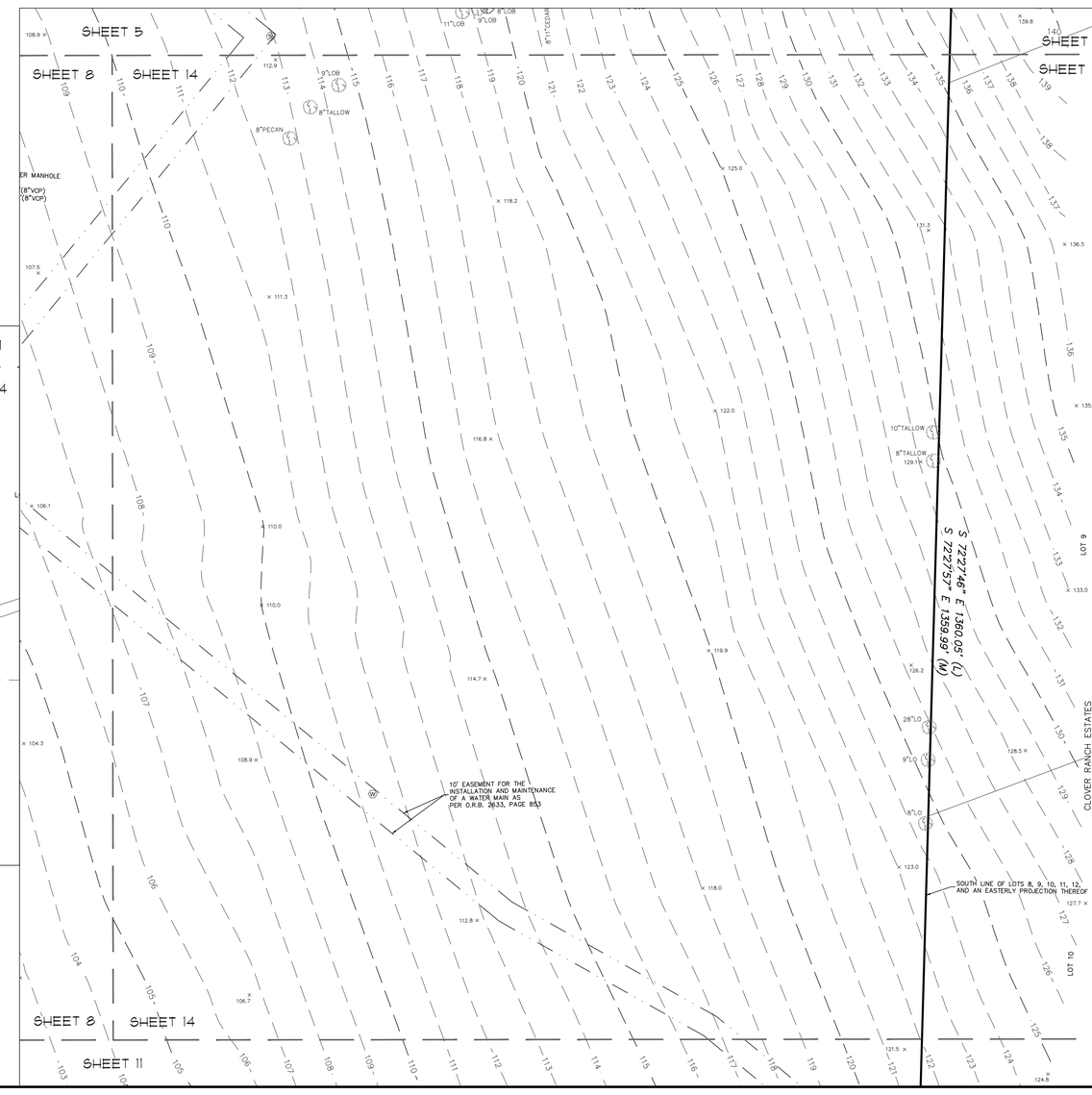

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SURVEY DATE: 12/10/2015
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TECHNICIAN: CS
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SHEET NO.: 14 OF 14

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I. INTRODUCTION

THIS DOCUMENT WAS PREPARED IN ORDER TO ILLUSTRATE COMPLIANCE WITH CHAPTER 62-621.300 (4) OF THE FLORIDA ADMINISTRATIVE CODE, WHICH PERTAINS TO THE GENERIC PERMIT FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES. THE ADMINISTRATIVE CODE GRANTS THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (FDEP) THE AUTHORITY TO REGULATE POINT SOURCE DISCHARGE OF STORMWATER FROM CONSTRUCTION SITES. THIS DOCUMENT ESTABLISHES A STORMWATER POLLUTION PREVENTION PLAN FOR THE SITE AND IS ORGANIZED TO CORRESPOND TO PART V OF FDEP DOCUMENT NO. 62-621.300(4)(a). FDEP FORM 62-621.300(4)(b) IS TO BE SUBMITTED IN CONJUNCTION WITH THIS DOCUMENT.

II. SITE DESCRIPTION

COUNTY:	ALACHUA COUNTY, FLORIDA
SECTION, TOWNSHIP, RANGE:	SECTION 15 & 22, TOWNSHIP 8 SOUTH, RANGE 18 EAST
COUNTY PARCEL NO.:	03870-000-000
STREET ADDRESS:	14905 PEGGY ROAD
PROJECT AREA:	17.83 ACRES
SITE LOCATION MAP:	SEE COVER SHEET OF CONSTRUCTION DRAWINGS

A. NATURE OF CONSTRUCTION ACTIVITY

PHASE 2A OF THE LEGACY PARK PROJECT CONSISTS OF THE CONSTRUCTION OF AN AMPHITHEATER BUILDING WITH RESTROOMS, A CONCESSION AREA AND 2 SOCCER FIELDS WITH ASSOCIATED DRIVEWAY, PARKING, STORMWATER MANAGEMENT FACILITIES, UTILITY INFRASTRUCTURE, AND RELATED IMPROVEMENTS.

B. SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES

1. PRIOR TO CONSTRUCTION, SILT FENCING AND TREE PROTECTION FENCING SHALL BE INSTALLED AND ALL EXISTING STORM DRAINAGE SWALE AND INLETS SHALL BE PROTECTED IN ACCORDANCE WITH THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013, AND THESE PLANS.
2. THE CONSTRUCTION SERVICE ENTRANCE SHALL BE STABILIZED TO MINIMIZE THE CREATION OF DUST AND OFF-SITE TRACKING OF SEDIMENTS.
3. ONLY THE AREA COMPRISING THE PROPOSED STORMWATER MANAGEMENT FACILITY SHALL BE CLEARED AND GRUBBED OF UNWANTED VEGETATION.
4. THE PROPOSED STORMWATER MANAGEMENT FACILITY SHALL BE CONSTRUCTED.
5. IF SUITABLE, THE EXCAVATED SOIL FROM THE FACILITY MAY BE USED AS FILL FOR ON-SITE GRADING THAT IS DEPICTED IN THESE CONSTRUCTION PLANS. THE CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIAL ON-SITE OR OFF-SITE TO A PERMITTED LOCATION.
6. THE REMAINING PORTION OF THE SITE THAT IS TREATED BY THE CONSTRUCTED STORMWATER MANAGEMENT FACILITY SHALL BE CLEARED AND GRUBBED.
7. THE PERMANENT ROADWAYS/DRIVEWAYS SHALL BE ROUGHLY GRADED.
8. THE UNDERGROUND UTILITIES INFRASTRUCTURE AND STORMWATER PIPING SYSTEM SHALL BE INSTALLED. ANY DE-WATERING (PUMPED) SHALL BE DIVERTED TO THE ASSOCIATED STORMWATER MANAGEMENT FACILITY.
9. THE PERMANENT ROADWAY/DRIVEWAY SUBGRADE SHALL BE COMPACTED, A LIMEROCK BASE SHALL BE ESTABLISHED, AND THEN FOLLOWED BY AN OVERLAY OF ASPHALT.
10. UPON SIGNIFICANT COMPLETION OF CONSTRUCTION, THE STORMWATER PIPING SYSTEM SHALL BE FLUSHED OUT TO REMOVE ACCUMULATED DEBRIS AND SEDIMENT.
11. UPON COMPLETION OF THE DEBRIS AND SEDIMENT REMOVAL FROM THE STORMWATER PIPING SYSTEM, THE PROPOSED STORMWATER MANAGEMENT FACILITY SHALL BE FINE GRADED AND BE EXCAVATED A MINIMUM OF TWO FEET BELOW THE DESIGN BOTTOM ELEVATION AND REPLACED WITH THE ON-SITE SANDS AND SANDS WITH SILT (SP, SP-SM) HAVING A MAXIMUM OF 12% SOIL FINES PASSING THE NO. 200 SIEVE. THE BOTTOM SHALL BE SCARIFIED AND STABILIZED ACCORDING TO THESE PLANS. ONCE COMPLETED, NO HEAVY MACHINERY SHALL BE ALLOWED WITHIN THE STORMWATER MANAGEMENT FACILITY.
12. ALL REMAINING DISTURBED AREAS WITHIN THE CONSTRUCTION AREA SHALL BE COMPLETELY GRASSED AND/OR LANDSCAPED ACCORDING TO THESE PLANS. TURF ESTABLISHMENT SHALL BE PER FDOT STANDARD SPECIFICATIONS SECTION 570. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO REMOVAL OF SILT FENCING AND OTHER EROSION CONTROL APPLICATIONS.

C. SITE DEVELOPMENT DATA:

TOTAL PROJECT SITE AREA:	17.83 ACRES
TOTAL SITE AREA ONSITE TO BE DISTURBED:	17.83 ACRES
TOTAL IMPERVIOUS AREA (ONSITE, AS SHOWN IN CONSTRUCTION DRAWINGS):	2.01 ACRES
TOTAL RETENTION VOLUME BELOW LOWEST DISCHARGE:	3.18 AC-FT
TOTAL OPEN AREA ONSITE:	15.82 ACRES

D. SOIL CONDITIONS AND STORMWATER QUALITY

THE NRCS DATA FOR THE SITE REVEALS THAT THE SITE SOILS ARE COMPRISED OF POMONA SAND. GSE ENGINEERING AND CONSULTING, INC. CONDUCTED A GEOTECHNICAL EXPLORATION OF THE PROPOSED STORMWATER MANAGEMENT FACILITY LOCATIONS IN MARCH OF 2016. THE INVESTIGATION REVEALED THAT THE PROJECT SITE'S SURFACE SOILS HAVE THE FOLLOWING CHARACTERISTICS:

	SMF-1	SMF-2	SMF-3	SMF-4
DEPTH TO EFFECTIVE OR MOBILIZED AQUIFER:	>16 FEET BLS	7.0 FEET BLS	9.5 FEET BLS	>15 FEET BLS
DEPTH OF GROUNDWATER TABLE:	15.5 FEET BLS	6.5 FEET BLS	9.0 FEET BLS	15.0 FEET BLS
HORIZONTAL HYDRAULIC CONDUCTIVITY:	20 FEET/DAY	1 FEET/DAY	17 FEET/DAY	13 FEET/DAY
UNSATURATED VERTICAL INFILTRATION:	14 FEET/DAY	0.5 FEET/DAY	11 FEET/DAY	8 FEET/DAY
SPECIFIC YIELD (FILLABLE POROSITY):	25 %	20 %	20 %	25 %

DESIGN PERCOLATION RATES FOR THE STORMWATER MANAGEMENT FACILITY(S) WERE DETERMINED BASED ON LABORATORY PERMEABILITY TEST RESULTS FROM BORING SAMPLES TAKEN WITHIN THE LIMITS OF THE STORMWATER MANAGEMENT FACILITY(S). A FACTOR OF SAFETY OF 2 WAS APPLIED TO ALL HORIZONTAL CONDUCTIVITY AND VERTICAL INFILTRATION VALUES.

THE STORMWATER MANAGEMENT FACILITIES WERE DESIGNED TO PROVIDE RATE AND VOLUME CONTROL AND WATER QUALITY TREATMENT OF THE STORMWATER RUNOFF RESULTING FROM THE POST-DEVELOPMENT SITE UNDER 100-YEAR CRITICAL STORM EVENT RAINFALL CONDITIONS. THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) DEPICTS THE POST-DEVELOPMENT WATERSHED LIMITS AND THE TABLE BELOW SUMMARIZES EACH WATERSHED.

WATERSHED ID	POST DEVELOPMENT AREA (ACRES)	POST DEVELOPMENT RUNOFF FACTOR (CN)	POST DEVELOPMENT IMPERVIOUS AREA (ACRES)	STORMWATER MANAGEMENT FACILITY TYPE	FACILITY RETENTION CAPACITY (ACRE-FEET)	100-YEAR/24-HR FLOOD ELEVATION (FT)
SMF-1	16.97	53	1.53	DRY RETENTION/ DETENTION	6.95	93.37
SMF-2	2.04	55	0.48	DRY RETENTION/ DETENTION	0.58	112.74
SMF-3	11.41	61	3.51	DRY RETENTION/ DETENTION	4.30	91.05
SMF-4	15.31	43	0.42	DRY RETENTION/ DETENTION	5.67	91.45

E. SITE MAP

PLEASE SEE THE STORMWATER POLLUTION PREVENTION PLAN (C0.21-C0.23) FOR DETAILS.

F. STORMWATER OUTFALL LOCATION AND RECEIVING WATER BODY

THE STORMWATER MANAGEMENT FACILITY 1 OUTFALL STRUCTURES ARE LOCATED AT THE SOUTH PORTION OF THE PROJECT (29°46'56" N, 82°30'25" W). THE STORMWATER MANAGEMENT FACILITY 3 OUTFALL STRUCTURE IS LOCATED AT THE SOUTHEAST PORTION OF THE PROJECT (29°47'02" N, 82°30'15" W). THE STORMWATER MANAGEMENT FACILITY 4 OUTFALL STRUCTURE IS LOCATED AT THE SOUTHWEST PORTION OF THE PROJECT (29°46'54" N, 82°30'28" W). THE ASSOCIATED RECEIVING WATER BODY IS ALACHUA COUNTY MS4.

III. CONTROLS TO REDUCE POLLUTION

AS OUTLINED IN THE SUWANNEE RIVER WATER MANAGEMENT DISTRICT (SRWMD) PERMIT, ALL CONSTRUCTION ACTIVITIES SHALL BE CONDUCTED IN A MANNER AS TO NOT VIOLATE STATE WATER QUALITY STANDARDS. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL IMPLEMENT AND MAINTAIN ALL EROSION AND SEDIMENT CONTROL MEASURES REQUIRED TO RETAIN SEDIMENT ON-SITE. IF SITE CONDITIONS ARE SUCH THAT ADDITIONAL CONTROL MEASURES ARE REQUIRED OTHER THAN WHAT IS SPECIFIED IN THE EROSION AND SEDIMENTATION CONTROL PLAN, THEN THE CONTRACTOR SHALL IMPLEMENT ADDITIONAL BEST MANAGEMENT PRACTICES. THESE MEASURES MUST BE INSPECTED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PHASE AND UNTIL AS DIRECTED BY THESE PLANS. THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) AND SECTION IV BELOW PROVIDE DETAILS ON THE SPECIFIC CONTROL MEASURES TO REDUCE STORMWATER POLLUTION.

IV. EROSION AND SEDIMENT CONTROLS

A. STABILIZATION PRACTICES

EXISTING TREES AND NATURAL VEGETATION TO REMAIN ON-SITE SHALL BE PROTECTED BY TREE BARRICADE FENCING AS DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN (C0.21). TYPE III SILT FENCING SHALL PROTECT ALL DRAINAGE STRUCTURES AND SHALL BUFFER AREAS WITH POTENTIAL TO CONTRIBUTE OFF-SITE RUNOFF AND AS SPECIFICALLY DEPICTED ON THE STORMWATER POLLUTION PREVENTION PLAN (C0.21). STABILIZATION MEASURES SHALL BE INITIATED FOR EROSION AND SEDIMENT CONTROL ON DISTURBED AREAS AS SOON AS PRACTICAL, BUT IN NO CASE MORE THAN 7 DAYS, IN PORTIONS OF THE SITE WHERE CONSTRUCTION HAS TEMPORARILY OR PERMANENTLY CEASED. AS SPECIFIED IN SECTION II.B. ABOVE, UPON COMPLETION OF CONSTRUCTION, ALL STORMWATER MANAGEMENT FACILITIES SHALL BE SCRAPED CLEAN OF ACCUMULATED SEDIMENT AFTER THE COMPLETION OF CONSTRUCTION. ALL TURF ESTABLISHMENT SHALL BE PERFORMED MEETING THE REQUIREMENTS OF SECTION 570 OF THE STANDARD SPECIFICATIONS. EVIDENCE OF GROWTH MUST BE PRESENT PRIOR TO FINAL RELEASE.

B. STRUCTURE PRACTICES

AS DEPICTED IN THE STORMWATER POLLUTION PREVENTION PLAN (C0.21), A STORMWATER MANAGEMENT SYSTEM WILL BE CONSTRUCTED AND WILL BE COMPRISED OF A DRY RETENTION/DETENTION FACILITY AND A STORM PIPE CONVEYANCE SYSTEM. TO PREVENT EROSION DURING CONSTRUCTION, TYPE III SILT FENCING WILL BE INSTALLED IN THE LOCATIONS SHOWN ON THE PLANS. ALL EXISTING AND PROPOSED STORM DRAINS AND DRAINAGE SWALES SHALL BE PROTECTED ACCORDING TO THE STATE OF FLORIDA EROSION AND SEDIMENT CONTROL DESIGNER AND REVIEWER MANUAL, DATED JULY 2013 OR PER DETAILS PROVIDED ON SHEET C0.21 UNTIL CONSTRUCTION IS COMPLETE. THE STORM PIPE CONVEYANCE SYSTEM SHALL BE FLUSHED OUT TO REMOVE ALL ACCUMULATED DEBRIS AND SEDIMENT UPON COMPLETION OF CONSTRUCTION.

C. DRAINAGE LOCATIONS THAT SERVE AREAS WITH LESS THAN 10 DISTURBED ACRES

NOT APPLICABLE, SEE SECTION D, BELOW.

D. DRAINAGE LOCATIONS THAT SERVE AREAS WITH MORE THAN 10 DISTURBED ACRES

AS SPECIFIED IN THE "SEQUENCE OF MAJOR SOIL DISTURBING ACTIVITIES," THE SMFs WILL BE CONSTRUCTED PRIOR TO CLEARING AND GRUBBING OUTSIDE OF THE SMFs AREA AND CONSTRUCTION OF THE PERMANENT PAVED AREAS. THE TOTAL CONTRIBUTING DRAINAGE AREA TO THE STORMWATER MANAGEMENT SYSTEMS IS APPROXIMATELY 45.73 ACRES AND WILL CONSIST OF APPROXIMATELY 17.83 ACRES OF DISTURBED CONSTRUCTION AREA. THEREFORE, NO ADDITIONAL SEDIMENT TRAP BASINS ARE NECESSARY TO PROVIDE SEDIMENT STORAGE ON-SITE DURING CONSTRUCTION. AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN (C0.21), THE PROPOSED STORMWATER MANAGEMENT SYSTEM WILL PREVENT OFF-SITE EROSION DURING CONSTRUCTION. SILT FENCES OR EQUIVALENT SEDIMENT CONTROLS SHALL BE INSTALLED AT SIDE SLOPE AND DOWN SLOPE BOUNDARIES, INLET LOCATION, OUTLET LOCATIONS, AND OTHER LOCATIONS AS SHOWN ON THE STORMWATER POLLUTION PREVENTION PLAN, AS REQUIRED. BY COMPLETION OF CONSTRUCTION, THE SIDE SLOPES, SWALES, AND ALL DISTURBED AREAS SHALL BE STABILIZED WITH GRASS AND LANDSCAPING AS SPECIFIED ON THE CONSTRUCTION DRAWINGS.

V. STORMWATER MANAGEMENT

A. BEST MANAGEMENT PRACTICES

AFTER CONSTRUCTION, THE STORMWATER MANAGEMENT SYSTEM SHALL BE MAINTAINED IN ACCORDANCE WITH THE SPECIFIED STORMWATER MAINTENANCE NOTES IN THE INCLUDED CONSTRUCTION DRAWINGS AND/OR RESPECTIVE MAINTENANCE REPORTS. SPECIFICALLY, THE PROPOSED SMF(S) SHALL BE MOWED REGULARLY IN THE SPECIFIED AREAS, STORM PIPES AND STRUCTURES WILL BE INSPECTED SEMI-ANNUALLY AND CLEANED ANNUALLY, SMF(S) SIDE SLOPES SHALL BE MAINTAINED TO PREVENT EROSION, AND LANDSCAPING AND GRASS THAT PREVENTS EROSION SHALL BE MAINTAINED. ADDITIONALLY, REMEDIAL ACTIONS SHALL BE TAKEN SHOULD THE SMF(S) NOT PERFORM AS DESIGNED.

B. VEGETATED SWALES

WHEN VEGETATED SWALES ARE UTILIZED, SILT FENCING OR EQUIVALENT SEDIMENT CONTROLS SHALL BE INSTALLED AT ADEQUATE INTERVALS TO COLLECT SEDIMENT ALONG THE SWALE. THE SEDIMENT SHALL BE REMOVED WHEN SEDIMENT REACHES ONE-THIRD OF THE HEIGHT OF THE SILT FENCING. SEE THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) FOR DETAILS AND LOCATIONS, AS REQUIRED.

C. VELOCITY DISSIPATION DEVICES AT DISCHARGE POINTS

WHEN DISCHARGE POINTS ARE NOT LOCATED UNDER WATER, RIP RAP PADS HAVE BEEN PROVIDED AT LOCATIONS WHERE NECESSARY DUE TO ANTICIPATED DISCHARGE VELOCITIES. PLEASE SEE THE CONSTRUCTION PLANS FOR DETAILS AND LOCATIONS, AS NEEDED.

VI. CONTROLS FOR OTHER POTENTIAL POLLUTANTS

A. WASTE DISPOSAL

THE CONTRACTOR SHALL PROVIDE LITTER COLLECTION CONTAINERS WITHIN THE PROJECT BOUNDARIES DURING CONSTRUCTION. CONTRACTOR SHALL DISPOSE OF ALL UNSUITABLE MATERIALS AND CONSTRUCTION DEBRIS IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS.

B. DUST CONTROL

TO PREVENT OFF-SITE VEHICULAR TRACKING OF SEDIMENTS AND DUST GENERATION, A STABILIZED CONSTRUCTION ENTRANCE SHALL BE ESTABLISHED BY THE SITE CONTRACTOR. PLEASE SEE THE STORMWATER POLLUTION PREVENTION PLAN (C0.21) FOR DETAILS AND LOCATION(S).

C. EXISTING VERSUS PROPOSED POTABLE AND SANITARY SEWER SYSTEMS

THERE ARE EXISTING SANITARY SEWER AND POTABLE WATER SYSTEMS LOCATED ON THE PROJECT SITE. EXTENSION AND UPGRADES ARE PROPOSED. IF TEMPORARY SANITARY SYSTEMS ARE UTILIZED DURING CONSTRUCTION. THE CONTRACTOR SHALL PROPERLY CONTROL AND DISCHARGE ANY SANITARY WASTE IN ACCORDANCE WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REGULATIONS.

D. FERTILIZER & PESTICIDES

THE USE OF FERTILIZERS, HERBICIDES, AND PESTICIDES ON THE PROJECT SITE, WILL BE DIRECTED BY THE LANDSCAPE PLAN AND THE FDOT STANDARD SPECIFICATIONS SECTION 570, TO SUPPORT THE GROWTH OF THE PROPOSED VEGETATION. ESTABLISHING THIS VEGETATION WILL AID IN THE STABILIZATION OF THE PROJECT SITE AND REDUCE EROSION. APPLICATION RATES FOR THE FERTILIZERS, HERBICIDES, AND PESTICIDES SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS TO GUARD AGAINST OVER-USE, WHICH CAN LEAD TO VIOLATIONS OF STATE WATER QUALITY STANDARDS.

E. TOXIC MATERIAL

THE CONSTRUCTION SITE WILL BE IN FULL COMPLIANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.

F. HAZARDOUS MATERIALS

ALL HAZARDOUS MATERIALS SHALL BE STORED IN A SECURE LOCATION, UNDER COVER, AND IN APPROPRIATE TIGHTLY, SEALED CONTAINERS WHEN NOT IN USE. ALL PRODUCTS SHALL BE STORED IN AND USED FROM THE ORIGINAL CONTAINER WITH THE ORIGINAL PRODUCT LABEL. CONTAINERS MUST BE STORED IN A MANNER TO PROTECT THEM FROM THE ELEMENTS AND INCIDENTAL DAMAGE. THE MINIMUM PRACTICAL QUANTITY OF ALL SUCH MATERIALS SHALL BE KEPT ON THE JOB SITE AND SCHEDULED FOR DELIVERY AS CLOSE TO TIME OF USE AS PRACTICAL.

ALL PRODUCTS SHALL BE USED IN STRICT COMPLIANCE WITH THE INSTRUCTIONS ON THE PRODUCT LABEL.

SUFFICIENT EQUIPMENT AND/OR MATERIALS SHALL BE KEPT ONSITE TO CONTAIN AND CLEAN UP SPILLS OF HAZARDOUS MATERIALS IN THE AREAS WHERE THESE MATERIALS ARE STORED OR USED. SPILL CONTROL AND CONTAINMENT KIT SUPPLIES SHALL BE OF SUFFICIENT QUANTITIES AND APPROPRIATE CONTENT TO CONTAIN A SPILL FROM THE LARGEST ANTICIPATED PIECE OF EQUIPMENT AND FROM THE LARGEST ANTICIPATED QUANTITIES OF PRODUCTS STORED ON THE SITE AT ANY GIVEN TIME.

CONTRACTOR TO CONTAIN AND CLEAN UP ANY SPILLS IMMEDIATELY AFTER THEY OCCUR. ANY SPILLS OF PETROLEUM PRODUCTS OR HAZARDOUS MATERIALS IN EXCESS OF REPORTABLE QUANTITIES AS DEFINED BY EPA, STATE, OR LOCAL AGENCY REGULATIONS SHALL BE REPORTED TO THE APPROPRIATE AGENCIES IN THE REQUIRED TIME FRAMES. THE CONTRACTOR SHALL PROVIDE A WRITTEN NOTICE TO THE OWNER IMMEDIATELY UPON IDENTIFICATION OF ANY SPILL.

ALL EXCESS, USED, OR SPILLED PRODUCTS, INCLUDING CONTAMINATED SOIL, SHALL BE DISPOSED OF BY THE CONTRACTOR IN STRICT COMPLIANCE WITH INSTRUCTIONS ON THE PRODUCT LABEL AND ALL APPLICABLE REGULATIONS.

VII. APPROVED STATE AND LOCAL PLANS

THE CONSTRUCTION DRAWINGS FOR THE PROJECT WERE APPROVED AND PERMITTED BY THE FOLLOWING AGENCIES:

* CITY OF ALACHUA
* SUWANNEE RIVER WATER MANAGEMENT DISTRICT
* FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
* ALACHUA COUNTY

VIII. CONSTRUCTION ACTIVITY DISCHARGES

IN ACCORDANCE WITH THIS PLAN, THERE ARE NO ANTICIPATED DISCHARGES OF STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITIES.

IX. CHANGES TO THE POLLUTION PREVENTION PLAN

THIS STORMWATER POLLUTION PREVENTION PLAN SHALL BE AMENDED TO REFLECT ANY APPLICABLE CHANGE IN A STATE, REGIONAL, OR LOCAL PERMIT FOR WHICH THE PERMITTEE RECEIVES WRITTEN NOTICE. WHEN WRITTEN NOTICE IS RECEIVED, THE PERMITTEE SHALL PROVIDE A RE-CERTIFICATION OF THIS POLLUTION PREVENTION PLAN, WHICH HAS BEEN REVISED TO ADDRESS SUCH CHANGES. AMENDMENTS TO THE PLAN SHALL BE PREPARED, SIGNED, DATE, AND KEPT AS ATTACHMENTS TO THE ORIGINAL PLAN.

X. ALTERNATIVE PERMIT REQUIREMENTS

NO ALTERNATIVE PERMIT REQUIREMENTS ARE REQUESTED.

XI. MAINTENANCE

THE CONTRACTOR IS RESPONSIBLE FOR THE MAINTENANCE, INSPECTION SCHEDULE, AND REPAIRS OUTLINED IN THIS PLAN. MAINTENANCE SHALL CONTINUE THROUGHOUT THE PROJECT UNTIL WORK IS COMPLETE. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES AFTER CONSTRUCTION IS COMPLETE. IN ADDITION TO THE TIMES MENTIONED IN THE PREVIOUS SECTIONS, THE CONTRACTOR SHALL INITIATE ANY REPAIRS WITHIN 24 HOURS OF BEING REPORTED. IN THE EVENT THAT THE SMF(S) DO NOT PERFORM PROPERLY OR IF A SINKHOLE DEVELOPS, THE PROJECT ENGINEER SHALL BE NOTIFIED TO ASSIST IN COORDINATING REMEDIAL ACTION. ACCUMULATED SEDIMENT SHALL BE REMOVED FROM SILT FENCING WHEN IT HAS REACHED ONE-THIRD THE HEIGHT OF THE SILT FENCE. UPON FINAL COMPLETION OF CONSTRUCTION AND ACCEPTANCE BY CITY OF ALACHUA, THE OPERATION AND MAINTENANCE ENTITY WILL BE THE CITY OF ALACHUA.

XII. INSPECTIONS

THE CONTRACTOR SHALL INSPECT ALL POINTS OF POTENTIAL DISCHARGE FROM THE PROJECT SITE FOR ALL DISTURBED AREAS ON THE CONSTRUCTION SITE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.50 INCHES OR GREATER. FOR POINTS OF DISCHARGE INTO SURFACE WATERS OF THE STATE OR AN MS4, A QUALIFIED INSPECTOR (PROVIDED BY THE OPERATOR) SHALL PERFORM THE REQUIRED INSPECTIONS. THE CONTRACTOR SHALL INSTALL A RAIN GAUGE AT THE SITE TO MONITOR AND DOCUMENT RAINFALL EVENTS 0.50 INCHES OR GREATER. LOCATIONS WHERE THE SITE IS COMPLETELY CONSTRUCTED AND STABILIZED, SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE A MONTH. ALL INSPECTIONS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION FORM, A COPY OF WHICH IS PROVIDED ON THIS SHEET. MORE SPECIFICALLY, THE INSPECTION SHALL ENSURE THE FOLLOWING CATEGORIES.

A. DISTURBED AREAS

ALL DISTURBED AREAS AND AREAS USED FOR MATERIAL STORAGE SHALL BE INSPECTED FOR POLLUTANTS ENTERING THE STORMWATER SYSTEM. THE STORMWATER MANAGEMENT SYSTEM AND EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE INSPECTED TO ENSURE THEY ARE OPERATING CORRECTLY. LOCATIONS WHERE VEHICLES ENTER AND EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF-SITE SEDIMENT TRACKING.

B. MAINTENANCE PERFORMANCE

BASED ON THE RESULTS OF THE INSPECTION, ALL MAINTENANCE OPERATIONS NEEDED TO ASSURE PROPER COMPLIANCE WITH THIS PLAN SHALL BE DONE IN A TIMELY MANNER, BUT IN NO CASE LATER THAN 7 DAYS FOLLOWING THE INSPECTION.

C. REPORTING REQUIREMENTS

ALL INSPECTIONS SHALL BE RECORDED ON THE CONSTRUCTION INSPECTION FORM, A COPY OF WHICH IS PROVIDED ON THIS SHEET. THIS FORM IS CREATED TO SUMMARIZE THE SCOPE OF THE INSPECTION, THE NAME(S) AND QUALIFICATION OF THE INSPECTOR(S), THE DATE OF INSPECTION, RAINFALL DATA, OBSERVATIONS, THE ACTIONS TAKEN TO CORRECT INCIDENTS OF NON-COMPLIANCE WITH THE PROVISIONS OF THIS PLAN. IF NO INCIDENTS OF NON-COMPLIANTS ARE OBSERVED, THE REPORT SHALL CONTAIN A CERTIFICATION THAT THE FACILITY IS IN COMPLIANCE WITH THE STORMWATER POLLUTION PREVENTION PLAN AND THE ASSOCIATED PERMIT.

XIII. NON-STORMWATER DISCHARGES

IN ADDITION TO STORMWATER RUNOFF, THIS PLAN APPLIES TO RUNOFF FROM IRRIGATION OPERATIONS AND CONSTRUCTION PRACTICES. THIS PLAN DOES NOT PERTAIN TO DISCHARGES FROM FIRE FIGHTING ACTIVITIES.

XIV. CONTRACTORS CERTIFICATION

THE CONTRACTORS OR SUB-CONTRACTORS SHALL PHOTOCOPY AND COMPLETE THE FORM ON THIS PAGE. IT SHALL BE PROVIDED TO THE OWNER AND KEPT ON FILE PURSUANT TO SECTION XV REGARDING PROJECT RECORDS.

XV. RETENTION OF RECORDS

THE PERMITTEE SHALL RETAIN COPIES OF STORMWATER POLLUTION PREVENTION PLANS AND ALL REPORTS REQUIRED BY THIS PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT TO BE COVERED BY THIS PERMIT, FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE THAT THE SITE IS FINALLY STABILIZED.

THE PERMITTEE SHALL RETAIN A COPY OF THE STORMWATER POLLUTION PREVENTION PLAN AND ALL REPORTS, RECORDS, AND DOCUMENTATION REQUIRED BY THIS PERMIT AT THE CONSTRUCTION SITE, OR AN APPROPRIATE ALTERNATIVE LOCATION AS SPECIFIED IN THE NOTICE OF INTENT, FROM THE DATE OF PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

XVI. NOTICE OF TERMINATION

NOTICE OF TERMINATION:

1. WHERE A SITE HAS BEEN FINALLY STABILIZED AND ALL STORMWATER DISCHARGES AUTHORIZED BY THIS PERMIT ARE ELIMINATED, THE PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION (DEP FORM 62-621.300(6)), SIGNED IN ACCORDANCE WITH PART VII.C OF DEP DOCUMENT NO. 62-621.300(4)(a), WITHIN 14 DAYS OF FINAL STABILIZATION OF THE SITE TO TERMINATE COVERAGE UNDER THIS PERMIT.
2. ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY MEANS THAT ALL DISTURBED SOILS AT THE SITE HAVE BEEN FINALLY STABILIZED AND TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN REMOVED OR WILL BE REMOVED AT AN APPROPRIATE TIME, OR THAT ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY FROM THE SITE THAT ARE AUTHORIZED BY THIS GENERIC PERMIT HAVE OTHERWISE BEEN ELIMINATED.
3. FOR CONSTRUCTION ACTIVITIES WHERE THE OPERATOR CHANGES, THE EXISTING OPERATOR SHALL FILE AN N.O.T. IN ACCORDANCE WITH THIS PART WITHIN 14 DAYS OF RELINQUISHING CONTROL OF THE PROJECT TO A NEW OPERATOR.

THE PERMITTEE SHALL SUBMIT A NOTICE OF TERMINATION TO THE FOLLOWING ADDRESS:

NPDES STORMWATER NOTICES CENTER, MS# 2510
FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

PROJECTS THAT DISCHARGED STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY TO A MUNICIPAL SEPARATE STORM SEWER SYSTEM (MS4) SHALL SUBMIT A COPY OF THE N.O.T. TO THE OPERATOR OF THE MS4.

Responsible Authority Certification
Stormwater Pollution Prevention Plan

Site: Legacy Park - Phase 2A
Alachua, Florida

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manages the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME (RESPONSIBLE AUTHORITY) ____________ DATE ____________

Contractor/Subcontractor Certification Statement
Stormwater Pollution Prevention Plan

The contractor(s) or sub-contractor(s) responsible for complying with this stormwater pollution prevention plan shall sign the certification statement below. Multiple copies of this certification statement may be necessary depending on the number of sub-contractors associated with the project

Site: Legacy Park - Phase 2A
Alachua, Florida

Contracting Firm: ____________ NAME
____________ ADDRESS
____________ TELEPHONE NUMBER

I certify under penalty of law that I understand, and shall comply with, the terms and conditions of the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities and this Stormwater Pollution Prevention Plan prepared thereunder.

NAME ____________ TITLE ____________

ADDRESS ____________ DATE ____________

Stormwater Pollution Prevention Plan
Inspection Report

Inspector: ____________ Date: ____________ Time: ____________

Date of last rainfall: ____________ Amount of last rainfall: ____________

Stabilization Measures

LOCATION	CONDITION	ACTION REQUIRED

If no action required, mark "N.A."

Note: To be completed every 7 days and within 24 hours of a rainfall event of 0.25 inch or more.

Structural Controls

LOCATION/TYPE	CONDITION	MAINTENANCE REQUIRED

If no maintenance required, mark "N.A."

Recommended Actions:

Results of Previous Recommended Actions:

Other Control

	CONDITION		
	GOOD	FAIR	POOR
Condition of construction entrance/exit?			
Condition of construction access road surface?			
General appearance of site re: trash and debris.			
Appearance of portables for sanitary discharge?			
Materials available for emergency spill response?			
Paint/cleaning compound storage areas condition?			
Lay-down area condition?			

Recommended Actions:

Results of Previous Recommended Actions:

Inspector Signature: ____________ Date: ____________ Time: ____________

The above signature also shall certify that this facility is in compliance with the Stormwater Pollution Prevention Plan and the State of Florida Generic Permit for Stormwater Discharge from Large and Small Construction Activities if there are not any incidents of non-compliance identified above.

11801 Research Drive
Alachua, Florida 32615
(352) 331-1976
www.chw-inc.com
est. 1988 FLORIDA CA-5075
CHW Professional Consultants

SCALE: N/A
VERIFY SCALE BAR IS ONE INCH ON ORIGINAL DRAWING 0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
2018-03-29 CITY OF ALACHUA, ALACHUA COUNTY, SRWMD
2018-05-14 CITY OF ALACHUA, ACPWD, SRWMD
2018-06-20 CITY OF ALACHUA, SRWMD
2018-07-18 CITY OF ALACHUA, SRWMD
2018-07-30 PZB & SRWMD

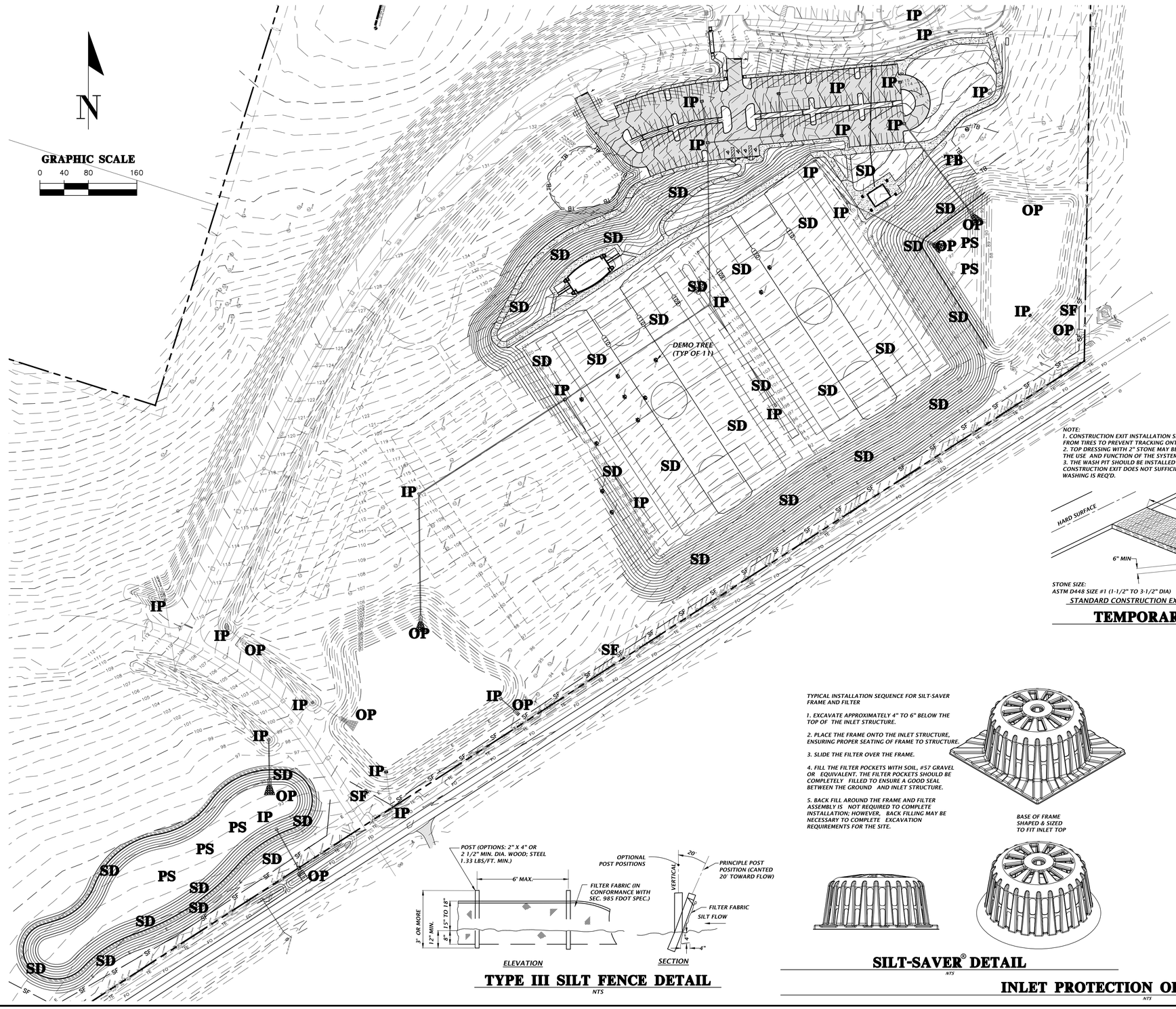
CLIENT: CITY OF ALACHUA
PROJECT: LEGACY PARK PHASE 2A
SHEET TITLE: STORMWATER POLLUTION PREVENTION NOTES

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QUALITY CONTROL: T. FLEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY
FL PE No. 84295

SHEET NO.: C0.20

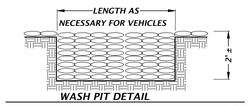
Tech: kurtm Plot Date: Jul 26,2018 1:28pm Filename: L:\2017\17-0373\engineering\DWGs\production files\17-0373_C0.20_SWPPN_LegacyParkPh2.dwg



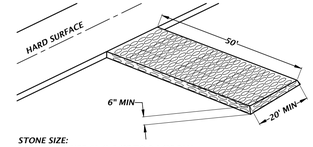
STORMWATER POLLUTION PREVENTION LEGEND

TS	= TEMPORARY SEEDING
PS	= PERMANENT SEEDING
ML	= MULCHING
SD	= SOD STABILIZATION
SF	= SILT BARRIER
TB	= TREE BARRIER (SEE LANDSCAPE PLANS)
IP	= INLET PROTECTION
OP	= OUTLET PROTECTION
CO	= CONSTRUCTION ENTRANCE/EXIT

NOTE:
1. CONSTRUCTION EXIT INSTALLATION SHALL REMOVE MUD/SOILS FROM TIRES TO PREVENT TRACKING ONTO PUBLIC ROADS.
2. TOP DRESSING WITH 2" STONE MAY BE REQ'D AS DETERMINED BY THE USE AND FUNCTION OF THE SYSTEM.
3. THE WASH PIT SHOULD BE INSTALLED IF THE STANDARD CONSTRUCTION EXIT DOES NOT SUFFICIENTLY REMOVE SOILS AND WASHING IS REQ'D.

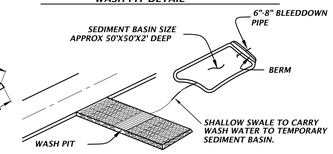


WASH PIT DETAIL



STONE SIZE:
ASTM D448 SIZE #1 (1-1/2" TO 3-1/2" DIA)

STANDARD CONSTRUCTION EXIT



CONSTRUCTION EXIT WITH WASH PIT

TEMPORARY CONSTRUCTION EXIT DETAIL

NTS

ELEVATION SECTION

TYPE III SILT FENCE DETAIL

NTS

TYPICAL INSTALLATION SEQUENCE FOR SILT-SAVER FRAME AND FILTER

1. EXCAVATE APPROXIMATELY 4" TO 6" BELOW THE TOP OF THE INLET STRUCTURE.

2. PLACE THE FRAME ONTO THE INLET STRUCTURE, ENSURING PROPER SEATING OF FRAME TO STRUCTURE.

3. SLIDE THE FILTER OVER THE FRAME.

4. FILL THE FILTER POCKETS WITH SOIL, #57 GRAVEL OR EQUIVALENT. THE FILTER POCKETS SHOULD BE COMPLETELY FILLED TO ENSURE A GOOD SEAL BETWEEN THE GROUND AND INLET STRUCTURE.

5. BACK FILL AROUND THE FRAME AND FILTER ASSEMBLY IS NOT REQUIRED TO COMPLETE INSTALLATION; HOWEVER, BACK FILLING MAY BE NECESSARY TO COMPLETE EXCAVATION REQUIREMENTS FOR THE SITE.

BASE OF FRAME SHAPED & SIZED TO FIT INLET TOP

SILT-SAVER® DETAIL

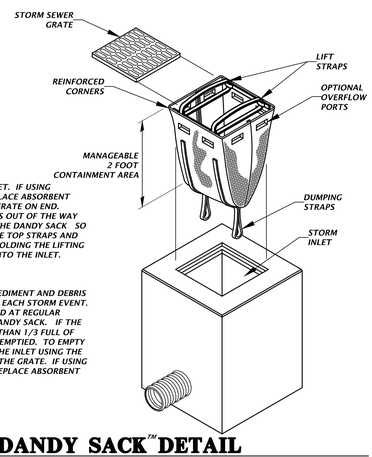
NTS

INSTALLATION:

REMOVE THE GRATE FROM INLET. IF USING OPTIONAL OIL ABSORBENTS; PLACE ABSORBENT PILLOW IN UNIT. STAND THE GRATE ON END. MOVE THE TOP LIFTING STRAPS OUT OF THE WAY AND PLACE THE GRATE INTO THE DANDY SACK SO THAT THE GRATE IS BELOW THE TOP STRAPS AND ABOVE THE LOWER STRAPS. HOLDING THE LIFTING DEVICES, INSERT THE GRATE INTO THE INLET.

MAINTENANCE:

REMOVE ALL ACCUMULATED SEDIMENT AND DEBRIS FROM VICINITY OF UNIT AFTER EACH STORM EVENT. AFTER EACH STORM EVENT AND AT REGULAR INTERVALS, LOOK INTO THE DANDY SACK. IF THE CONTAINMENT AREA IS MORE THAN 1/3 FULL OF SEDIMENT, THE UNIT MUST BE EMPTIED. TO EMPTY UNIT, LIFT THE UNIT OUT OF THE INLET USING THE LIFTING STRAPS AND REMOVE THE GRATE. IF USING OPTIONAL OIL ABSORBENTS; REPLACE ABSORBENT WHEN NEAR SATURATION.



DANDY SACK™ DETAIL

NTS

INLET PROTECTION OPTIONS DETAIL

NTS

11801 Research Drive
Alachua, Florida 32615
(352) 331-1976
(352) 331-2476
www.chw-inc.com
est. 1988 FLORIDA CA-0075
CHW
Professional Consultants

SCALE: 1" = 80'

VERIFY SCALE BAR IS ONE INCH ON THIS SHEET
0 1"
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY.

CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
2018-03-29 CITY OF ALACHUA, ALACHUA COUNTY, SRWMD
2018-05-14 CITY OF ALACHUA, ACPWD, SRWMD
2018-08-20 CITY OF ALACHUA, SRWMD
2018-11-15 CITY OF ALACHUA, SRWMD
2018-07-30 PZB & SRWMD

CLIENT: CITY OF ALACHUA

PROJECT: LEGACY PARK PHASE 2A

SHEET TITLE: STORMWATER POLLUTION PREVENTION PLAN & TREE DEMOLITION PLAN

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QUALITY CONTROL: T. ELEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY

FL PE No. 84295

SHEET NO.: C0.21

Tech: kurtm Plot Date: Jul 26,2018 1:29pm Filename: U:\2017\17-0373\engineering\CHWA\production files\17-0373_SWPPP_LegacyPark-Ph2.dwg

BASIN OPERATION AND MAINTENANCE REQUIREMENTS

SURFACEWATER MANAGEMENT FACILITIES (SMF'S)

ALL SMF'S PERMITTED BY THE DISTRICT SHALL BE OPERATED AND MAINTAINED IN ACCORDANCE WITH THE DESIGNS, PLANS CALCULATIONS, AND OTHER SPECIFICATIONS THAT ARE SUBMITTED WITH AN APPLICATION, APPROVED BY THE DISTRICT, AND INCORPORATED BY REFERENCE INTO ANY PERMIT ISSUED. SMF'S SHALL BE KEPT FREE OF DEBRIS, TRASH, GARBAGE, OILS AND GREASES, AND OTHER REFUSE THROUGH REGULAR INSPECTION AND MAINTENANCE BY THE PERMITTEE.

EROSION CONTROL

THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED BY THE PERMITTEE TO INSURE THAT ALL EROSION IS CONTROLLED AND SOIL IS STABILIZED TO PREVENT SEDIMENT DISCHARGE TO WATERS IN THE STATE. ANY VEGETATION ESTABLISHED FOR EROSION CONTROL SHALL BE PROPERLY MAINTAINED FOR FUNCTION.

CULVERTS, PIPES AND STRUCTURES

ALL STRUCTURES WITHIN THE SYSTEM SHALL BE REGULARLY INSPECTED AND MAINTAINED ON A REGULAR BASIS BY THE PERMITTEE TO INSURE THAT THEY DO NOT BECOME CLOGGED OR CHOKED WITH VEGETATIVE OR AQUATIC GROWTH TO SUCH AN EXTENT AS TO RENDER THEM INOPERABLE.

MAINTENANCE

THE BASIN SHALL BE REGULARLY MOWED TO AVOID EXCESSIVE VEGETATION GROWTH. THE MOWING RATE SHALL BE AT A MINIMUM OF 12 TIMES PER YEAR, WITH MORE FREQUENT MOWING IN THE SUMMER MONTHS. BASIN SIDE SLOPES SHALL INITIALLY BE SODDED AND THE SOD MAINTAINED.

FUNCTION

BASINS THAT DO NOT DRAWDOWN PROPERLY AND MAINTAIN STANDING WATER FOR AN EXTENDED PERIOD OF TIME MAY REQUIRE REMEDIAL ACTION. THE ENGINEER SHALL BE NOTIFIED TO HELP COORDINATE REMEDIAL ACTION IN THE EVENT IMPROPER RECOVERY IS NOTED.

LIMEROCK/SINKHOLE

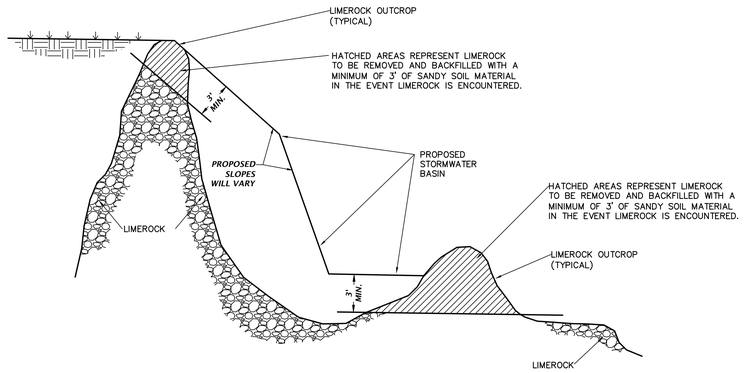
IF A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASIN OR IF A SINKHOLE FORMS IN THE AREA OF A DRAINAGE SWALE/BASIN THE ENGINEER OF RECORD SHALL BE NOTIFIED BY EITHER THE CONTRACTOR OR THE ESTABLISHED OPERATION AND MAINTENANCE ENTITY. THE ENGINEER OF RECORD SHALL INSPECT THE REPAIRED AREA UPON COMPLETION OF THE REPAIR.

WHERE A CONTINUOUS LIMEROCK FORMATION IS ENCOUNTERED DURING EXCAVATION OF THE SWALES/BASINS, THE LIMEROCK SHALL BE OVER EXCAVATED BY 3 FEET ,AN APPROVED GEO TEXTILE FABRIC SHALL BE PLACED IN THE EXCAVATION AND BACKFILLED WITH SANDY SOILS IN A LOOSE CONDITION.

ALL SWALES/BASINS SHALL BE INSPECTED MONTHLY FOR SINKHOLE OCCURRENCE. SHOULD A SINKHOLE OCCUR, THE AREA SHALL BE REPAIRED AS SOON AS POSSIBLE. REPAIR SHALL INCLUDE FILLING (LIMEROCK SUCH AS ROAD BASE MATERIAL, CLAY/SAND MIXTURE, OR CONCRETE IF NECESSARY). A 3-FOOT DEEP CAP THAT EXTENDS 3 FEET BEYOND THE PERIMETER OF THE SINKHOLE SHALL BE CONSTRUCTED WITH CLAYEY SOILS. THE CLAYEY SOIL SHALL HAVE AT LEAST 20% PASSING THE NO. 200 SIEVE, COMPACTED TO 95% OF STANDARD PROCTOR, AND COMPACTED IN A WET CONDITION WITH MOISTURE 2% - 4% ABOVE OPTIMUM. THE CLAY SOIL CAP SHALL BE RE-GRADED TO PREVENT CONCENTRATION OF WATERS (PONDING) AND RE-VEGETATED.

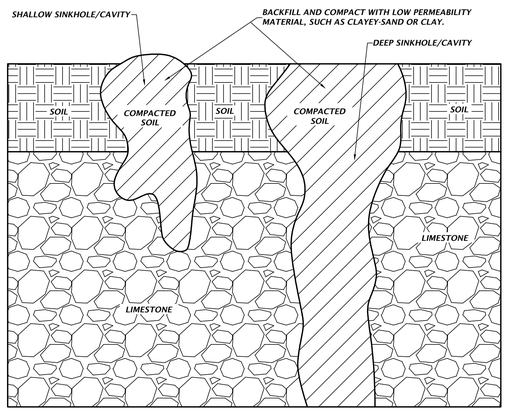
OPERATION & MAINTENANCE ENTITY

CITY OF ALACHUA
P.O. BOX 9
ALACHUA, FL 32616



LIMEROCK OUTCROP REMOVAL DETAIL

NTS



SHALLOW AND DEEP SINKHOLE/CAVITY MAINTENANCE REPAIR DETAIL

NTS

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
2018-03-29 CITY OF ALACHUA, ALACHUA COUNTY, SRWMD
2018-05-14 CITY OF ALACHUA, ACPWD, SRWMD
2018-06-28 CITY OF ALACHUA, SRWMD
2018-07-16 CITY OF ALACHUA, SRWMD
2018-07-30 PZB & SRWMD

CLIENT: CITY OF ALACHUA

PROJECT: LEGACY PARK PHASE 2A

SHEET TITLE: SINKHOLE REPAIR DETAIL AND NOTES

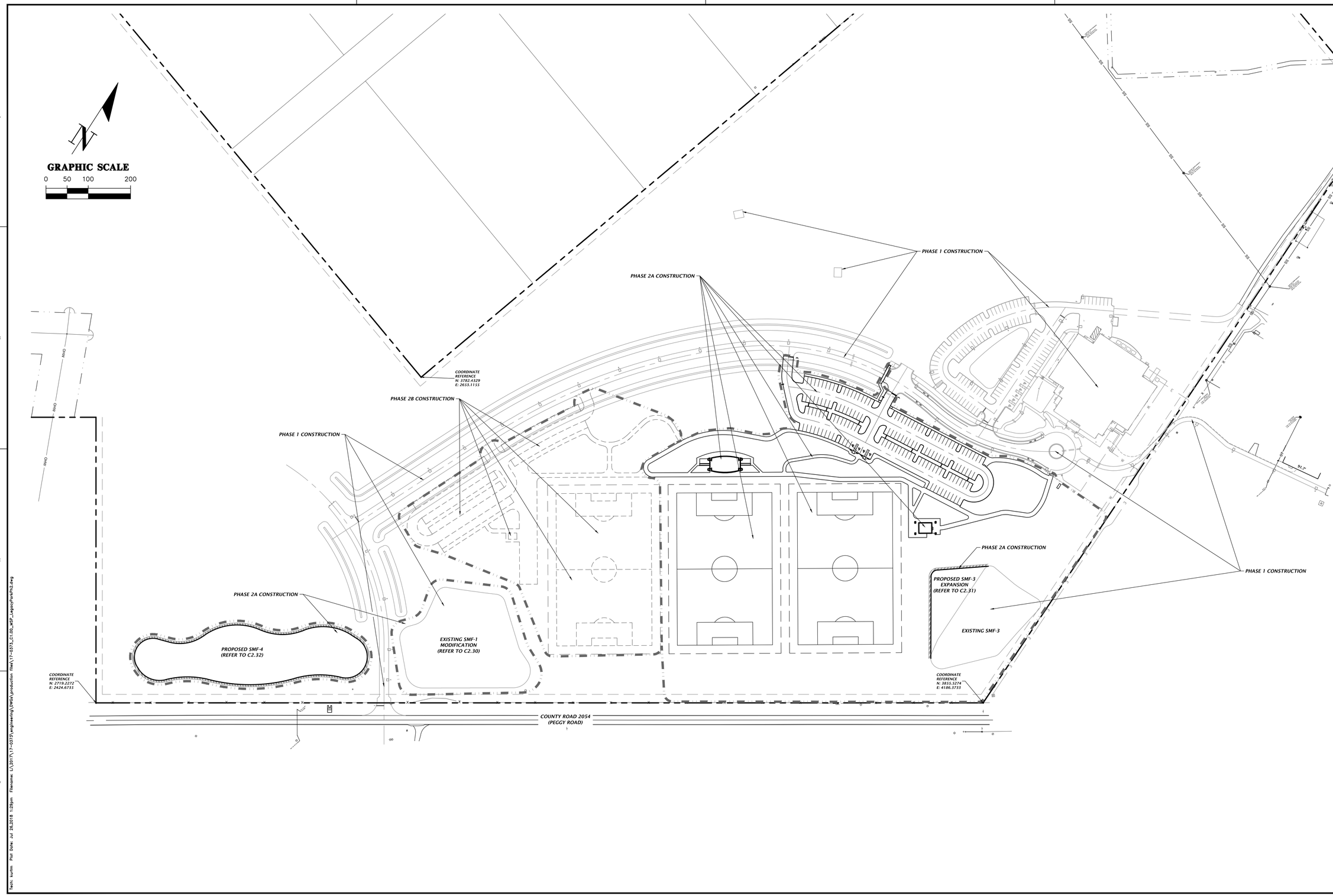
TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QUALITY CONTROL: T. FLEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY

FL PE No. 84295

SHEET NO.: C0.30

Tech: kurtm Plot Date: Jul 26,2018 1:38pm Filename: L:\2017\17-0373\engineering\DWGA\production files\17-0373_C0.30_SINK_Legacy#Park#2.dwg



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
2018-03-29 CITY OF ALACHUA, ALACHUA COUNTY, SRWMD
2018-05-14 CITY OF ALACHUA, ACPWD, SRWMD
2018-06-20 CITY OF ALACHUA, SRWMD
2018-07-17 CITY OF ALACHUA, SRWMD
2018-07-30 PZB & SRWMD

CLIENT: CITY OF ALACHUA

PROJECT: LEGACY PARK PHASE 2A

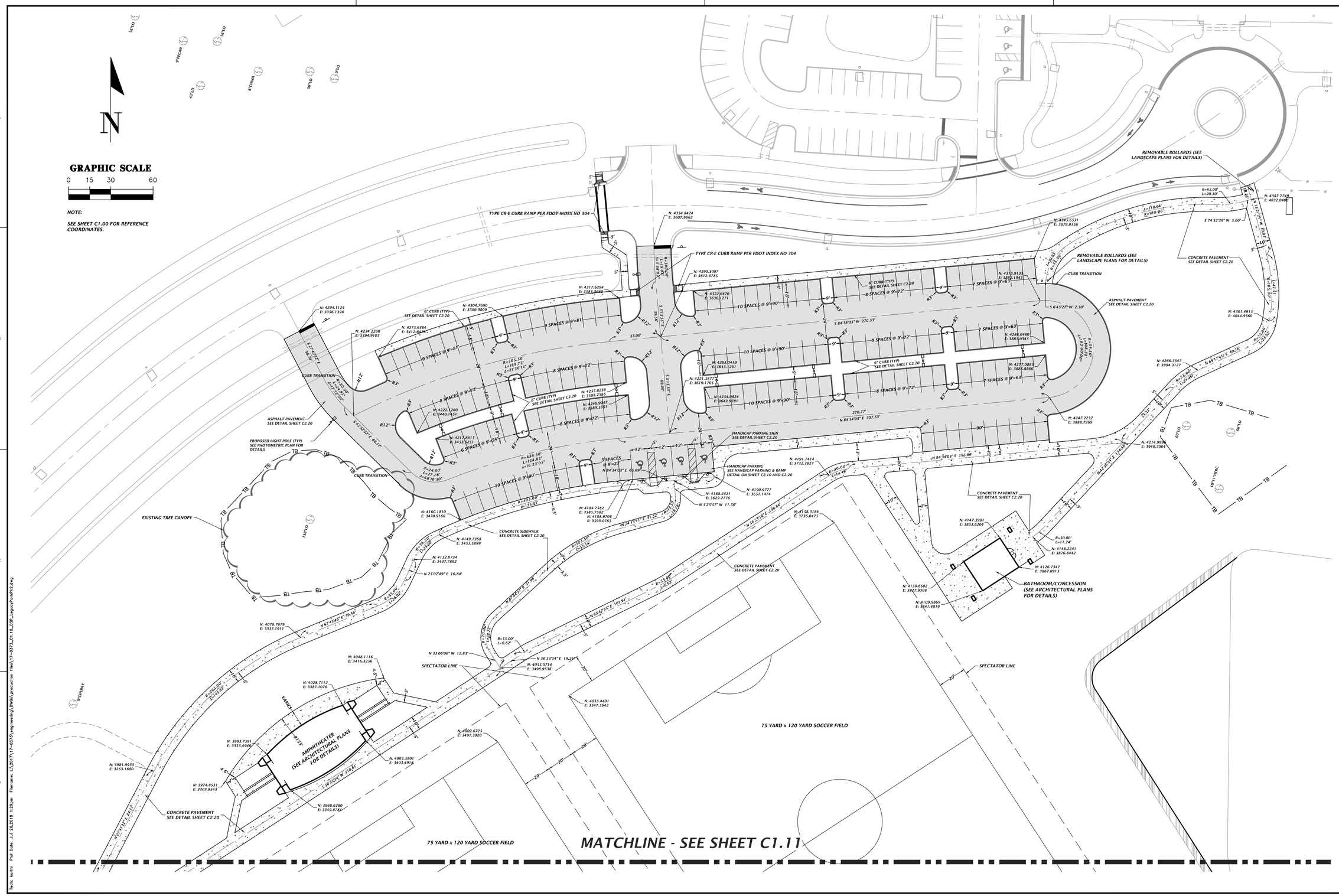
SHEET TITLE: OVERALL SITE PLAN

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QUALITY CONTROL: T. FLEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY

FL PE No. 84295

SHEET NO.: C1.00



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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
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2018-05-14 CITY OF ALACHUA, ACPWD, SRWMD
2018-06-20 CITY OF ALACHUA, SRWMD
2018-07-13 CITY OF ALACHUA, SRWMD
2018-07-30 PZB & SRWMD

CLIENT: CITY OF ALACHUA
PROJECT: LEGACY PARK PHASE 2A
SHEET TITLE: SITE AND HORIZONTAL CONTROL PLAN

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
SURVEY CONTROL: T. ELEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY
FL PE No. 84295

SHEET NO.: C1.10

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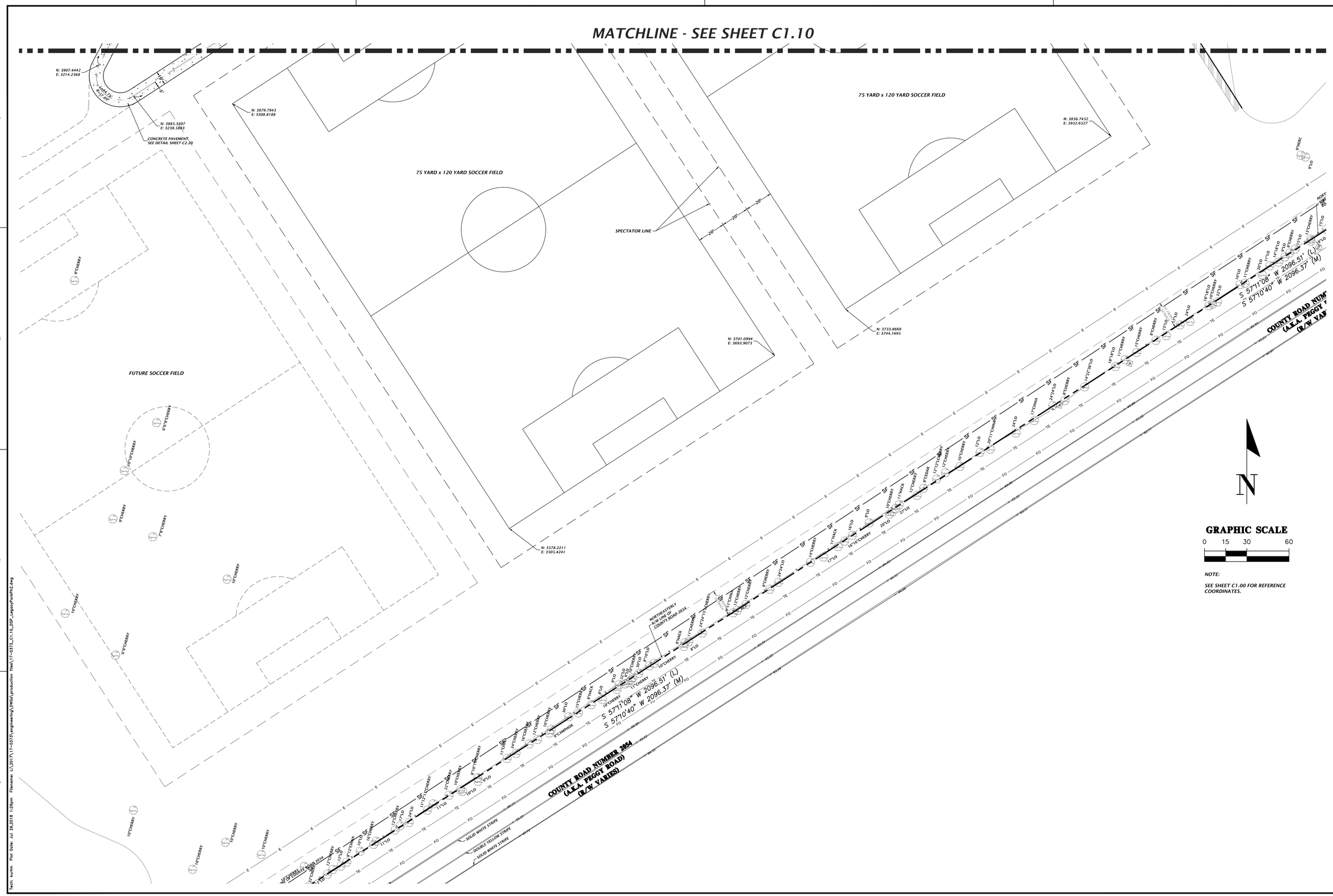

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
2018-03-29 CITY OF ALACHUA, ALACHUA COUNTY, SRWMD
2018-05-14 CITY OF ALACHUA, ACPWD, SRWMD
2018-06-20 CITY OF ALACHUA, SRWMD
2018-07-13 CITY OF ALACHUA
2018-07-30 P2B & SRWMD

CLIENT: CITY OF ALACHUA

PROJECT: LEGACY PARK PHASE 2A

SHEET TITLE: SITE AND HORIZONTAL CONTROL PLAN

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QUALITY CONTROL: T. ELEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY

FL PE No. 84295

SHEET NO: C1.11

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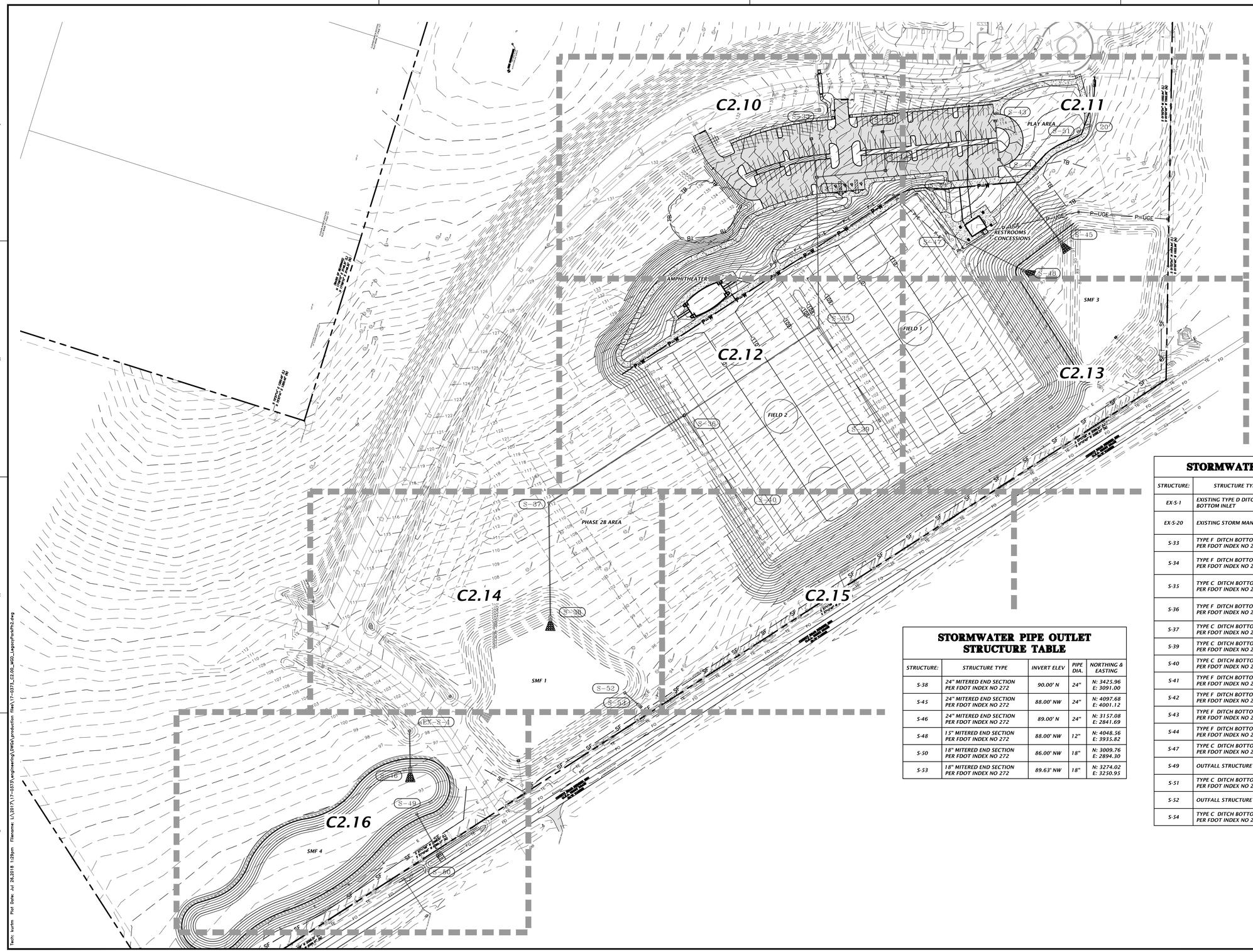

STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
EX-S-1	EXISTING TYPE D DITCH BOTTOM INLET	96.00'	90.48' S 90.48' NE	24" 24"	N: 3230.51 E: 2840.47
EX-S-20	EXISTING STORM MANHOLE	107.02'	94.11' NW 94.11' S 102.76' SW	24" 24" 12"	N: 4307.55 E: 4052.05
S-33	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	123.84'	117.38' S	18"	N: 4284.38 E: 3555.22
S-34	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	120.67'	116.00' N 111.77' S 111.77' E	18" 18" 18"	N: 4216.04 E: 3564.75
S-35	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	107.23'	102.00' N 101.00' SW 101.00' SE	18" 18" 12"	N: 3948.81 E: 3568.62
S-36	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	107.27'	98.14' NE 98.14' SW 98.14' SE	18" 24" 12"	N: 3792.52 E: 3329.59
S-37	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	112.32'	95.27' NE 95.27' S	24" 24"	N: 3636.18 E: 3088.19
S-39	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	107.16'	103.00' NW	12"	N: 3782.51 E: 3676.76
S-40	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	107.10'	100.13' NW	12"	N: 3625.94 E: 3438.11
S-41	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	118.00'	115.00' S	18"	N: 4296.87 E: 3681.99
S-42	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	116.00'	113.00' N 113.00' W	18" 18"	N: 4228.04 E: 3687.00
S-43	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	109.56'	104.50' S	18"	N: 4315.94 E: 3882.48
S-44	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	108.00'	103.81' N 103.31' SE	18" 24"	N: 4247.28 E: 3889.25
S-47	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	107.69'	103.79' SE 103.79' NW	12" 12"	N: 4117.47 E: 3795.71
S-49	OUTFALL STRUCTURE	92.86'	87.41' SE	18"	N: 3082.64 E: 2853.38
S-51	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	107.66'	103.00' NE	12"	N: 4297.29 E: 4029.81
S-52	OUTFALL STRUCTURE	95.50'	90.00' SE	18"	N: 3298.68 E: 3223.24
S-54	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	108.56'	104.67' SE	12"	N: 4185.97 E: 3741.88

STORMWATER PIPE OUTLET STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-38	24" MITERED END SECTION PER FDOT INDEX NO 272	90.00' N	24"	N: 3425.96 E: 3091.00
S-45	24" MITERED END SECTION PER FDOT INDEX NO 272	88.00' NW	24"	N: 4097.68 E: 4001.12
S-46	24" MITERED END SECTION PER FDOT INDEX NO 272	89.00' N	24"	N: 3157.08 E: 2841.69
S-48	15" MITERED END SECTION PER FDOT INDEX NO 272	88.00' NW	12"	N: 4048.56 E: 3935.82
S-50	18" MITERED END SECTION PER FDOT INDEX NO 272	86.00' NW	18"	N: 3009.76 E: 2894.30
S-53	18" MITERED END SECTION PER FDOT INDEX NO 272	89.63' NW	18"	N: 3274.02 E: 3250.95

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
2018-03-29 SRWMD
2018-05-14 CITY OF ALACHUA, ACPWD, SRWMD
2018-06-20 CITY OF ALACHUA, SRWMD
2018-07-18 CITY OF ALACHUA, SRWMD
2018-07-30 PZB & SRWMD

CLIENT: CITY OF ALACHUA

PROJECT: LEGACY PARK PHASE 2A

SHEET TITLE: MASTER GRADING, DRAINAGE, AND UTILITY PLAN

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QUALITY CONTROL: T. ELEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY

FL PE No. 84295

SHEET NO.: C2.00

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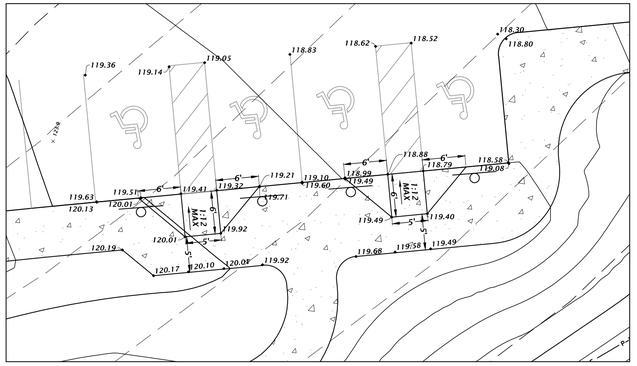
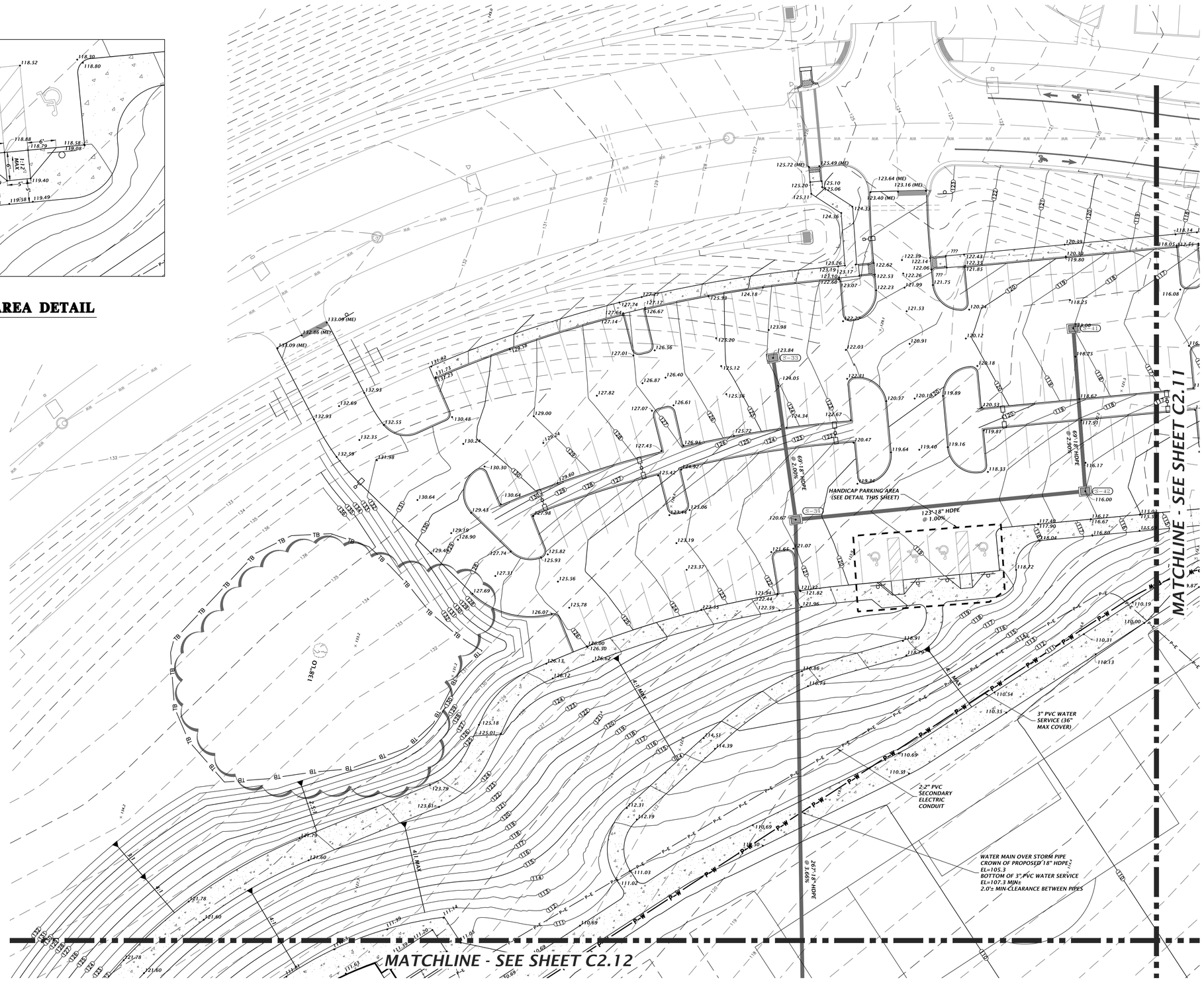


HANDICAP PARKING AREA DETAIL

1" = 10'



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GRAPHIC SCALE

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STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-33	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	123.84'	117.38' S	18"	N: 4284.38 E: 3555.22
S-34	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	120.67'	116.00' N 111.77' S 111.77' E	18" 18" 18"	N: 4216.04 E: 3564.75
S-41	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	118.00'	115.00' S	18"	N: 4296.87 E: 3681.99
S-42	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	116.00'	113.00' N 113.00' W	18" 18"	N: 4228.04 E: 3687.00

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CONSTRUCTION/BID REVISIONS:

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2018–03–29
2018–05–14 CITY OF ALACHUA, ACPWD, SRWMD
2018–06–20 CITY OF ALACHUA, SRWMD
2018–07–25 CITY OF ALACHUA, SRWMD
2018–07–30 PZB & SRWMD

CLIENT: CITY OF ALACHUA

PROJECT: LEGACY PARK PHASE 2A

SHEET TITLE: DETAILED GRADING, DRAINAGE, AND UTILITY PLAN

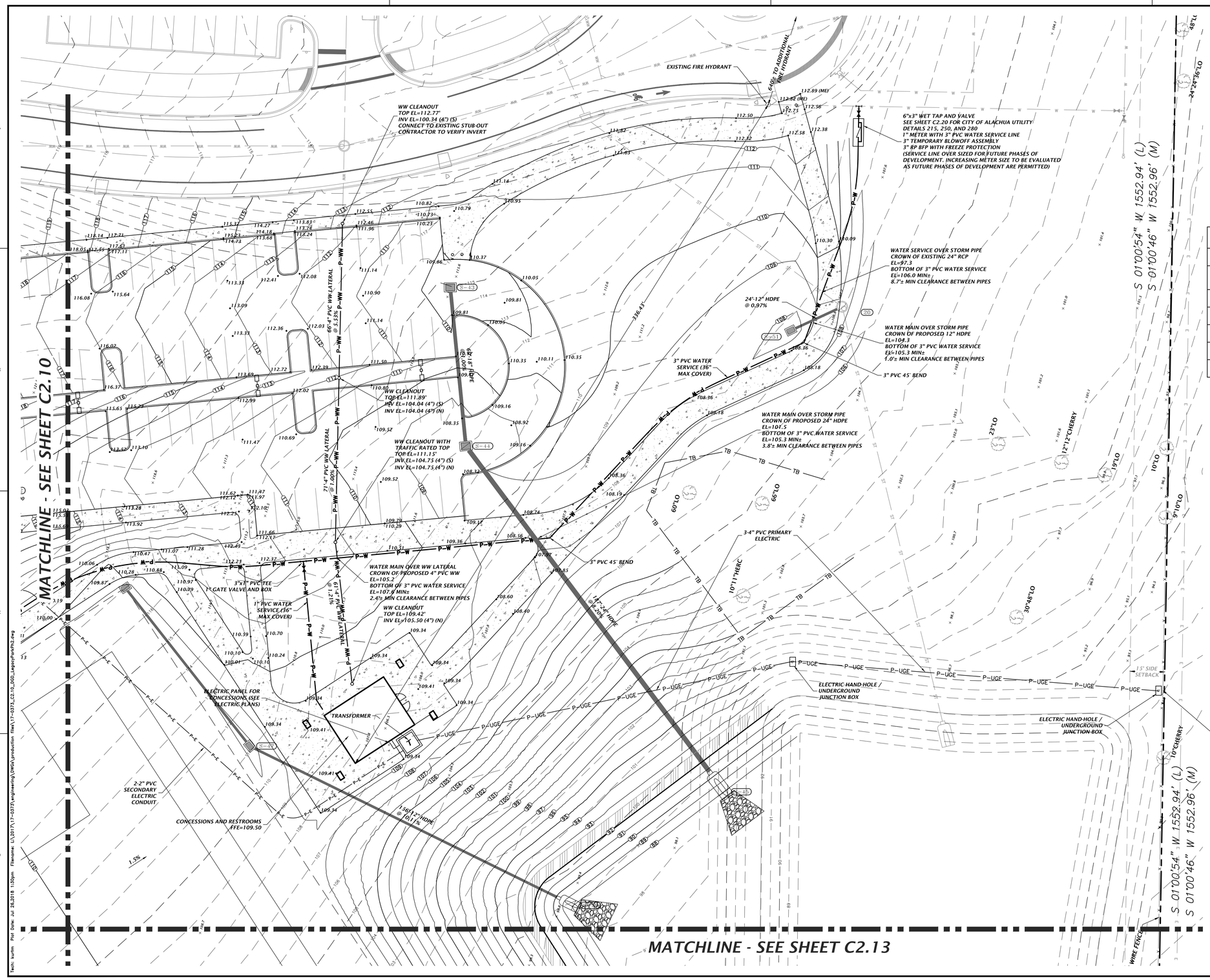
TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QUALITY CONTROL: T. FLEGERT
PROJECT NUMBER: 17–0373

TRAVIS J. HASTAY

FL PE No. 84295

SHEET NO.: C2.10

Tech: kurtm Plot Date: Jul 26,2018 1:50pm Filename: L:\2017\17-0373\engineering\CHWA\production files\17-0373-C2.10_DGD_legacyParkPh2.dwg



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GRAPHIC SCALE

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STORMWATER STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	TOP	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
EX-S-20	EXISTING STORM MANHOLE	107.02'	94.11' NW 94.11' S 102.76' SW	24" 24" 12"	N: 4307.55 E: 4052.05
S-43	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	109.56'	104.50' S	18"	N: 4315.94 E: 3882.48
S-44	TYPE F DITCH BOTTOM INLET PER FDOT INDEX NO 233	108.00'	103.81' N 103.31' SE	18" 24"	N: 4247.28 E: 3889.25
S-47	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	107.69'	103.79' SE 103.79' NW	12" 12"	N: 4117.47 E: 3795.71
S-51	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	107.66'	103.00' NE	12"	N: 4297.29 E: 4029.81
S-54	TYPE C DITCH BOTTOM INLET PER FDOT INDEX NO 233	108.56'	104.67' SE	12"	N: 4185.97 E: 3741.88

STORMWATER PIPE OUTLET STRUCTURE TABLE

STRUCTURE:	STRUCTURE TYPE	INVERT ELEV	PIPE DIA.	NORTHING & EASTING
S-45	24" MITERED END SECTION PER FDOT INDEX NO 272	88.00' NW	24"	N: 4097.68 E: 4001.12
S-48	15" MITERED END SECTION PER FDOT INDEX NO 272	88.00' NW	12"	N: 4048.36 E: 3935.82

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CONSTRUCTION/BID REVISIONS:

SUBMITTALS:
2018-03-29 CITY OF ALACHUA, ALACHUA COUNTY, SRWMD
2018-05-14 CITY OF ALACHUA, ACPWD, SRWMD
2018-06-20 CITY OF ALACHUA, SRWMD
2018-07-13 CITY OF ALACHUA, SRWMD
2018-07-30 PZB & SRWMD

CLIENT: CITY OF ALACHUA

PROJECT: LEGACY PARK PHASE 2A
CITY OF ALACHUA, FLORIDA

SHEET TITLE: DETAILED GRADING, DRAINAGE, AND UTILITY PLAN

TECHNICIAN: K. MERRITT
DESIGNER: T. HASTAY
QA/QC: J. HASTAY
QA/QC: T. ELEGERT
PROJECT NUMBER: 17-0373

TRAVIS J. HASTAY

FL PE No. 84295

SHEET NO.: C2.11

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