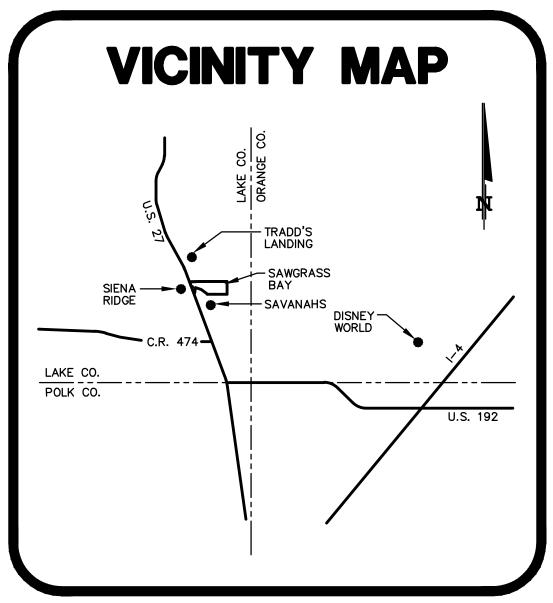
DESCRIPTION:

That part of Sections 14 and 15, Township 24 South, Range 26 East, Lake County, Florida, described as follows:

Begin at the Southeast corner of Tract 1 (Conservation Easement), THE SAVANNAS, according to the plat thereof, as recorded in Plat Book 36, Pages 10 through 12, of the Public Records of Lake County, Florida; thence run the following four (4) courses and distances along the boundaries of said Tract 1; thence run N00°57'50"E for a distance of 90.63 feet; thence run N53°50'24"W for a distance of 967.29 feet; thence run N54°13'36"W for a distance of 598.44 feet; thence run N72°21'05"W for a distance of 988.66 feet; thence leaving said boundaries of Tract 1, run N20°17'44"W for a distance of 1409.67 feet to a point on the North line of the Northeast 1/4 of said Section 15; thence run N89°25'32"E along said North line for a distance of 1455.99 feet to the Northeast corner of said Section 15; thence run N89°52'49"E along the North line of the Northwest 1/4 of said Section 14 for a distance of 2666.45 feet to the North 1/4 of said Section 14; thence run N89°52'52"E along the North line of the Northeast 1/4 of said Section 14 for a distance of 2658.42 feet to the Northeast corner thereof; thence run S00°17'53"W along the East line of the Northeast 1/4 of said Section 14 for a distance of 2654.52 feet to the Southeast corner of the Northeast 1/4 of said Section 14; thence run S89°56'25"W along the South line of the Northeast 1/4 of said Section 14 for a distance of 2641.60 feet to the Southwest corner of the Northeast 1/4 of said Section 14; thence run S89°56'17"W along the South line of the Northwest 1/4 of said Section 14 for a distance of 1429.30 feet to the POINT OF BEGINNING.

Containing 348.654 acres more or less and being subject to any rights-of-way, restrictions and easements of record.



SECTIONS 14 AND 15, TOWNSHIP 24 SOUTH, RANGE 26 EAST

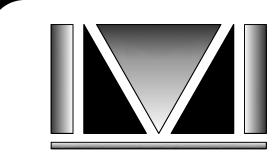
FINAL ENGINEERING PLANS SAWGRASS BAY PHASE 4A & 4B

LAKE COUNTY, FLORIDA

PREPARED FOR

TRILOGY LAND HOLDINGS LLC & LEGACY LAND PARTNERS LLC 4100 NEWPORT PLACE, SUITE 800 NEWPORT BEACH, CA 92660

REVISED JULY 31, 2017 MAY, 19 2017



DONALD W. MCINTOSH ASSOCIATES, INC. **ENGINEERS** PLANNERS **SURVEYORS** 2200 PARK AVENUE NORTH, WINTER PARK, FL 32789 407.644.4068 **CERTIFICATE OF AUTHORIZATION NO. 68**

DONALD W. McINTOSH ASSOCIATES, INC. CERTIFICATE OF AUTHORIZATION NO. 68	JOHN T. TOWNSEND FLORIDA P.E. NO. 52127	DATE:

	SHEET INDEX
6-7	COVER SHEET NOTES, SPECIFICATIONS & LEGEND TOPOGRAPHIC & BOUNDARY DATA OVERALL SITE AND PHASING PLAN STORMWATER MANAGEMENT PLAN GRADING & DRAINAGE PLAN WATER, SEWER & REUSE PLAN
9 10 11	AN & PROFILES CENTIPEDE DRIVE CENTIPEDE DRIVE BENTGRASS DRIVE BENTGRASS DRIVE
14 15 16	TYPICAL SECTIONS. PAVING & GRADING DETAILS EROSION CONTROL DETAILS CONTROL STRUCTURE 7 & SMA-7 DETAILS WATER & SEWER DETAILS WATER DETAILS
19	RECLAIMED WATER DETAILS CURB RAMP DETAILS CURB RAMP GEOMETRY PEDESTRIAN CIRCULATION, STRIPING & SIGNAGE PLAN

PROJECT NO	.:	ALT.	KEY:
PROJECT NA	ME:		
WATER RESC	URCE MGMT:	DATE	INITIALS
HEALTH DEP	т		
COMMENTS:_			
FIRE & EMEI	RGENCY SERVIO	CES:	
COMMENTS:_			
CONCURREN	CY MANAGEME	NT:	
COMMENTS:_			
PUBLIC WOR	KS:		
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		·	
DATED	DIRECTOR	OF PLANNING	& DEVELOPMENT
	SERVICES	(OR DESIGNE	E)

01. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO ENSURE THAT ALL REQUIRED PERMITS HAVE BEEN OBTAINED AND ARE IN HAND AT THE JOB SITE PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. CONTRACTOR SHALL ABIDE BY ALL CONDITIONS CONTAINED THEREIN. PERMITS INCLUDED (BUT NOT NECESSARILY LIMITED TO) ARE:

- WATER MANAGEMENT DISTRICT ENVIRONMENTAL RESOURCE - FDEP WATER DISTRIBUTION
- FDEP SANITARY SEWER COLLECTION AND TRANSMISSION FDEP NPDES NOI

02. IF DEWATERING METHODS TO BE USED BY CONTRACTOR INCLUDE DISCHARGE OF ANY WATER OFFSITE, CONTRACTOR SHALL OBTAIN DEWATERING PERMIT FROM SJRWMD. WHEN ISSUED, CONTRACTOR SHALL PROVIDE COPY TO DONALD W. MCINTOSH ASSOC.

03. CONTRACTOR SHALL SUBMIT TO FDEP A NOTICE OF INTENT (NOI) FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NPDES GENERAL PERMIT AT LEAST 48 HOURS PRIOR TO BEGINNING WORK, COPIES OF THE NOTICE SHALL BE SENT TO DONALD W. MCINTOSH ASSOCIATES AND COUNTY. 04. WHERE PERMIT CONDITIONS DIFFER FROM REQUIREMENTS SHOWN IN THE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER FOR CLARIFICATION. TYPICALLY THE MORE

STRINGENT REQUIREMENTS WILL APPLY, SUBJECT TO ENGINEER'S DETERMINATION. 05. PRIOR TO COMMENCEMENT, CONTRACTOR SHALL PROVIDE DONALD W. McINTOSH ASSOCIATES, INC. WITH CONSTRUCTION SCHEDULE FOR VARIOUS SITE WORK ELEMENTS SO THAT PERIODIC SITE VISITS MAY BE COORDINATED TO ENSURE TIMELY CERTIFICATION OF COMPLETION TO AGENCIES AND AVOID DELAYS IN ISSUANCE OF CERTIFICATES OF OCCUPANCY/COMPLETION.

06. CONTRACTOR SHALL FURNISH OWNER WITH ACCURATE RECORD DRAWINGS SHOWING AS-CONSTRUCTED HORIZONTAL AND VERTICAL DIMENSIONING OF THE WORK. THE SUBMITTAL COPY OF THE RECORD DRAWINGS WILL NOT BE RETURNED. THE RECORD DRAWING OR A REPRODUCIBLE COPY PREPARED BY ENGINEER SHALL BE CERTIFIED BY THE CONTRACTOR AS CORRECT. ALL INFORMATION WHICH IS UNCHANGED AND CURRENT SHALL BE NOTED BY CHECKING OFF OR CIRCLING. ALL REVISED INFORMATION SHALL BE CROSSED THROUGH AND NEW DATA ADDED. ADDITIONALLY CONTRACTOR SHALL FURNISH LAKE COUNTY PUBLIC WORKS DEPARTMENT WITH TWO FULL SETS OF ASBUILT PLANS UPON PROJECT COMPLETION AND PRIOR TO COUNTY ACCEPTANCE.

07. THE LOCATIONS OF EXISTING UTILITIES AND STORM DRAINAGE SHOWN ON THE PLANS HAVE BEEN DETERMINED FROM THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAKE ARRANGEMENTS FOR FIELD LOCATIONS AND FOR ANY RELOCATIONS OF THE VARIOUS EXISTING UTILITIES WITH THE UTILITY OWNERS, WHICH SHALL BE DONE IN A TIMELY FASHION TO MINIMIZE IMPACT ON THE CONSTRUCTION SCHEDULE. ANY DELAY OR INCONVENIENCE CAUSED THE CONTRACTOR BY THE RELOCATION OF THE VARIOUS UTILITIES SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.

08. ANY DIFFERING SITE CONDITIONS FROM THOSE WHICH ARE REPRESENTED HEREON, WHETHER ABOVE, ON OR BELOW THE SURFACE OF THE GROUND, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER AND OWNER IN WRITING. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS FOR REVIEW BY THE ENGINEER AND OWNER.

09. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY CONFLICTS IN THE DRAWINGS OR DISCREPANCIES FOUND BETWEEN DRAWINGS AND THE FIELD CONDITIONS PRIOR TO CONSTRUCTION IN THE AREA IMPACTED BY THE CONFLICT.

10. FLORIDA LAW (F.S. 553.851) PROTECTION OF UNDERGROUND PIPELINES MANDATES THAT "NO EXCAVATOR SHALL COMMENCE OR PERFORM ANY EXCAVATION IN ANY PUBLIC OR PRIVATE STREET, ALLEY, RIGHT-OF-WAY DEDICATED TO THE PUBLIC USE, OR GAS UTILITY EASEMENT WITHOUT FIRST OBTAINING INFORMATION CONCERNING THE POSSIBLE LOCATION OF GAS PIPELINES IN THE AREA OF THE PROPOSED EXCAVATION." THIS INCLUDES ANY OPERATION UTILIZING HAND TOOLS OR POWER TOOLS WHICH MOVES OR REMOVES ANY STRUCTURE, EARTH, ROCK, OR OTHER MASS OF MATERIAL BY SUCH METHODS AS DIGGING, BACKFILLING, DEMOLITION, GRADING, DITCHING, DRILLING, BORING AND CABLE PLOWING. THE EXCAVATOR MUST NOTIFY THE GAS UTILITY A MINIMUM OF 48 HOURS AND A MAXIMUM OF 5 DAYS PRIOR TO EXCAVATING (EXCLUDING SATURDAYS, SUNDAYS, AND LEGAL HOLIDAYS).

11. ALL RECOMMENDATIONS AND REQUIREMENTS OF INSPECTION PERSONNEL OTHER THAN OWNER'S SHALL BE REPORTED TO ENGINEER/OWNER PRIOR TO IMPLEMENTATION. COMPENSATION WILL NOT BE ALLOWED FOR WORK WHICH IS NOT AUTHORIZED BY ENGINEER/OWNER.

12. CONTRACTOR SHALL PROTECT ADJACENT WETLANDS AND ALL ADJACENT PROPERTIES FROM DAMAGE BY SEDIMENTATION OR OTHER POTENTIAL CONSTRUCTION RELATED CAUSES.

13. ALL WORK SHALL BE OPEN TO AND SUBJECT TO INSPECTION BY AUTHORIZED PERSONNEL OF THE COUNTY, OWNER, INVOLVED UTILITY COMPANIES, PROJECT ENGINEER AND REGULATORY AGENCIES.

14. CONTRACTOR SHALL BE EXTREMELY CAUTIOUS WHEN WORKING NEAR TREES WHICH ARE TO BE SAVED, WHETHER SHOWN IN THE PLANS OR DESIGNATED IN THE FIFI D.

15. CONTRACTOR SHALL STAKE ALL IMPROVEMENTS USING THE PLAT. CONTRACTOR SHALL CONFIRM WITH THE ENGINEER THAT THE PLAT IS CURRENT PRIOR TO CONSTRUCTION. IT IS THE CONTRACTOR'S SOLE RESPONSIBILITY TO COMPLETELY STAKE AND CHECK ALL IMPROVEMENTS TO ENSURE ADEQUATE POSITIONING, BOTH HORIZONTAL AND VERTICAL, INCLUDING MINIMUM BUILDING SETBACKS PRIOR TO THE INSTALLATION OF ANY IMPROVEMENT.

16. CONTRACTOR SHALL CONFIRM COMPATIBILITY OF PIPE SLOPES AND INVERTS DURING SHOP DRAWING AND MATERIALS ORDERING PHASE OF PROJECT AND ADVISE ENGINEER OF ANY DISCREPANCIES.

17. BOUNDARY BASED ON THE FOLLOWING: SURVEYOR: DONALD W. MCINTOSH ASSOCIATES, INC. DRAWING NO.: SG_GTR-TOPO-COMPOSITE.DWG DATE: 6/10/04

18. IT IS THE CONTRACTOR'S RESPONSIBILITY TO SECURE THE PROJECT SITE DURING CONSTRUCTION, TO PREVENT TRESPASSING OF UNAUTHORIZED PEDESTRIANS AND/OR VEHICLES IN ALL WORK AREAS. THE CONTRACTOR SHOULD POST SIGNS, CONSTRUCT BARRIERS OR IMPLEMENT OTHER METHODS NECESSARY TO CONTROL ACCESS. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR TRESPASSING ON THE CONSTRUCTION SITE OR DAMAGES TO ANY WORK RELATED THERETO.

19. CONTRACTOR SHALL COMPLY WITH OSHA TRENCH SAFETY STANDARDS 29 C.F.R., S. 926.650, SUBPART P, AND ALL SUBSEQUENT REVISIONS OR UPDATES ADOPTED BY THE DEPARTMENT OF LABOR AND EMPLOYMENT SECURITY AND WITH SECTION 553.62, FLORIDA STATUTES.

PAVING, GRADING & DRAINAGE NOTES:

01. EXISTING TOPOGRAPHY AND CONTOURS BASED ON THE FOLLOWING: SURVEYOR: DONALD W. McINTOSH ASSOCIATES, INC. DRAWING NO.: SG_GTR-TOPO-COMPOSITE.DWG DATE: 6/10/04

02. ELEVATIONS SHOWN HEREON ARE BASED ON A 4" X 4" CONCRETE MONUMENT AT THE SOUTHWEST CORNER OF TRACT "B", ORANGETREE PHASE 1, AS RECORDED IN PLAT BOOK 43, PAGES 72 THROUGH 75, OF THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA. ELEVATION 127.66 (NAVD 88)

03. SURVEYOR'S SITE BENCHMARK: DESCRIPTION: CONCRETE CATCH BASIN ELEVATION: 134.25

LOCATION: NORTHEAST CORNER CONC (755'± FROM SOUTHWEST PROP. CORNER IN MEDIAN) 04. SURVEYOR'S SITE BENCHMARK:

DESCRIPTION: SET 1/2" IRC #LB68 ELEVATION: 150.78 LOCATION: 44'± SW OF CENTER OF GATE (NORTHWEST PROPERTY CORNER)

05. SURVEYOR'S SITE BENCHMARK: DESCRIPTION: 1/2" IRC #LB68 ELEVATION: 133.09

LOCATION: 18'± EAST OF EDGE OF PAVEMENT OF NORTHTHBOUND LANE OF U.S. 27

06. BENCHMARK LOCATION AND ELEVATION ARE AS REPRESENTED BY SURVEYOR AT THE TIME OF THE SURVEY. CONTRACTOR SHALL VERIFY ITS CORRECTNESS AT TIME OF CONSTRUCTION.

07. SITE GRADING, PAVING AND DRAINAGE MATERIALS AND CONSTRUCTION SHALL CONFORM TO FDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2002 EDITION, AND TO LAKE COUNTY STANDARD SPECIFICATIONS. 08. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL EXISTING SURVEY MONUMENTATION. DISTURBED MONUMENTATION SHALL BE RESTORED BY A FLORIDA-LICENSED LAND SURVEYOR SELECTED BY THE OWNER AT CONTRACTOR'S EXPENSE.

09. IMMEDIATELY AT ONSET OF CONSTRUCTION, CONTRACTOR SHALL FIELD VERIFY HORIZONTAL AND VERTICAL LOCATIONS OF ALL EXISTING UTILITIES CRITICAL TO COMPLETING THE PROJECT (INCLUDING WATER, SEWER, POWER, TELEPHONE, GAS, AND CABLE TV) AND SHALL EVALUATE POTENTIAL CONFLICTS. ALL SUCH CONFLICTS SHALL BE REPORTED TO ENGINEER/OWNER IMMEDIATELY UPON DISCOVERY.

10. DURING CONSTRUCTION, THE CONTRACTOR SHALL TAKE ALL REASONABLE MEASURES TO INSURE AGAINST POLLUTING, SILTING, OR DISTURBING TO SUCH AN EXTENT AS TO CAUSE AN INCREASE IN TURBIDITY TO THE EXISTING DRAINAGE SYSTEM AND ADJACENT WATER BODIES AND WETLANDS. CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLYING WITH ALL PERMIT REQUIREMENTS RELATED TO SUCH MEASURES. METHODS MAY INCLUDE, BUT ARE NOT LIMITED TO, CONSTRUCTION OF TEMPORARY EROSION CONTROL STRUCTURES SUCH AS SEDIMENT BASINS, SEDIMENT CHECKS, SILT BARRIERS, OR SILT SCREENS. ANY MEASURES SHOWN OR DETAILED IN THESE DRAWINGS SHALL BE CONSIDERED MINIMUMS AND SHALL NOT ALLEVIATE CONTRACTOR FROM THE RESPONSIBILITY TO IMPLEMENT ANY MEASURES NECESSARY TO PROVIDE PROTECTION.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR FURNISHING PROPER TRAFFIC MAINTENANCE AND CONTROLS IN ACCORDANCE WITH REGULATORY STANDARDS. WHERE A TRAFFIC MAINTENANCE PLAN IS REQUIRED, IT SHALL BE PREPARED BY THE CONTRACTOR AND SUBMITTED FOR APPROVAL.

12. CONTRACTOR SHALL INCLUDE ACCURATE AS-BUILT DIMENSIONS AND ELEVATIONS OF THE STORMWATER MANAGEMENT AREAS IN THE RECORD DRAWINGS.

13. GEOTECHNICAL SERVICES HAVE BEEN PROVIDED AS REFERENCED BELOW. GEOTECHNICAL RECOMMENDATIONS ARE NOT THE RESPONSIBILITY OF DONALD W. MCINTOSH ASSOCIATES, INC. DONALD W. MCINTOSH ASSOCIATES, INC. HAS RELIED ON THE BELOW REFERENCED GEOTECHNICAL REPORT(S) IN PREPARATION OF THE DRAWINGS. ANY CONFLICT BETWEEN INFORMATION WITHIN THE REPORT AND THESE DRAWINGS SHALL BE REPORTED TO ENGINEER/OWNER. DONALD W. McINTOSH ASSOCIATES, INC. ASSUMES NO RESPONSIBILITY FOR THE CORRECTNESS, COMPLETENESS OR ACCURACY OF GEOTECHNICAL INFORMATION.

GEOTECHNICAL ENGINEER: DEVO ENGINEERING PROJECT NO: 04-711.01 - PRELIMINARY GEOTECHNICAL ENGINEERING ASSESSMENT DATE: JUNE 11, 2004

PROJECT NO: 04-711.01 - PHASE 1 ENVIRONMENTAL SITE ASSESSMENT DATE: JUNE 11, 2004

PROJECT NO: 04-711.01 - GEOTECHNICAL ENGINEERING REPORT DATE: APRIL 20, 2005

14. CONTRACTOR IS RESPONSIBLE FOR GRADING ALL PAVEMENTS TO DRAIN POSITIVELY. INTERSECTIONS SHALL BE TRANSITIONED TO PROVIDE SMOOTH DRIVING SURFACE WHILE MAINTAINING POSITIVE DRAINAGE. SHOULD AREAS OF POOR DRAINAGE BE OBSERVED, CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO PLACEMENT OF CURBS OR PAVEMENT COURSES, SO THAT RECOMMENDATIONS FOR CORRECTION MAY BE MADE.

15. ELEVATIONS OF GRASSED AREAS ARE GIVEN AT FINISHED GRADE (TOP OF SOD OR SEEDED SURFACE).

DRAINS AND UTILITY PIPE.

16. SEE SHEET 22 FOR REQUIREMENTS AT CROSSINGS OF STORM

17. NO WATER VALVE BOXES, METERS, OR OTHER APPURTENANCES OF ANY KIND RELATING TO ANY UNDERGROUND UTILITIES SHALL BE LOCATED IN ANY PORTION OF A CURB-AND-GUTTER SECTION OR IN PAVEMENT. ADVISE ENGINEER IMMEDIATELY UPON DISCOVERY OF A POTENTIAL CONFLICT.

18. PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCES BETWEEN CENTERLINES OF DRAINAGE STRUCTURES AND FROM INVERTS OF ENDWALLS AND/OR MITERED END SECTIONS.

19. OVER-EXCAVATION OF RETENTION BASINS SHALL NOT BE ALLOWED UNLESS SPECIFICALLY AUTHORIZED BY ENGINEER/OWNER. SHOULD UNAUTHORIZED OVER-EXCAVATION OCCUR, IT SHALL BE BACKFILLED, REGRADED, RESODDED AND/OR RESEEDED AS REQUIRED AT CONTRACTOR'S EXPENSE TO OWNER'S SPECIFICATIONS.

20. CONTRACTOR SHALL NOT COMPACT, STABILIZE, OR CONSTRUCT BASE COURSE WITHIN LANDSCAPE ISLANDS OR MEDIANS. WHERE SUCH TREATMENT DOES OCCUR, IT SHALL BE REMOVED AND REPLACED WITH SUITABLE PLANTING SOILS ACCEPTABLE TO OWNER'S LANDSCAPE ARCHITECT.

21. ENGINEER RESERVES THE RIGHT TO WITHHOLD AUTHORIZATION FOR PAYMENT FOR ANY ROADWORK WHICH HAS NOT BEEN TESTED BY A FLORIDA-REGISTERED GEOTECHNICAL ENGINEER AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.

22. ALL OFF-SITE DISTURBED AREAS SHALL BE RESTORED TO PRE-CONSTRUCTION CONDITION, OR BETTER.

23. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING AND DISPOSING OF ALL WASTE MATERIALS CONSISTENT WITH ALL RULES AND REGULATIONS APPLICABLE TO THE SPECIFIC MATERIAL FOUND.

24. LOT GRADING PLANS ARE PROVIDED FOR AGENCY REVIEW AND TO ESTABLISH A MASTER GRADING AND DRAINAGE SYSTEM FOR USE IN DEVELOPMENT OF INDIVIDUAL LOTS AS THEY ARE CONSTRUCTED AT A LATER TIME. FINISH GRADE BY SITE CONTRACTOR SHALL BE 10" BELOW THE FINISHED FLOOR ELEVATION SHOWN ON PLANS.

25. INLETS WHICH ARE GRAPHICALLY SHOWN ON LOT LINES AND NOT OTHERWISE LOCATED BY STATIONING SHALL BE LOCATED SUCH THAT THE CENTERLINE OF THE INLET BOTTOM IS ALIGNED WITH THE LOT LINE.

26. DRAINAGE MANHOLES AND INLETS (NOT INCLUDING CONTROL STRUCTURES) SHOWN IN THE PLANS ARE IDENTIFIED BY TOP TYPE ONLY. CONTRACTOR SHALL PROVIDE STANDARD DITCH BOTTOM INLET, (STANDARD J OR P STRUCTURES BOTTOMS) AS REQUIRED TO ACCOMMODATE PIPE SIZES SHOWN. ALL DITCH BOTTOM INLETS (NOT INCLUDING CONTROL STRUCTURES) SHALL HAVE NONTRAVERSABLE SLOTS.

27. ALL SIGNING AND PAVEMENT MARKING AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH FDOT "ROADWAY AND TRAFFIC DESIGN STANDARDS" (LATEST EDITION) AND FHWA "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES."

28. BLUE REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED OPPOSITE FIRE HYDRANTS IN THE CENTER OF THE NEAREST TRAVELED LANE TO MARK THEIR LOCATIONS.

29. REGULATORY SIGNS (STOP, ETC.) SHALL BE FURNISHED BY CONTRACTOR AND IN PLACE PRIOR TO FINAL INSPECTION OF PAVING AND DRAINAGE IMPROVEMENTS.

30. ALL STORM PIPE JOINTS SHALL BE WRAPPED WITH FILTER FABRIC. SEE DETAIL ON SHEET 17.

MATERIAL SPECIFICATIONS (PAVING AND DRAINAGE):

01. PAVING MATERIALS SHALL CONFORM WITH FDOT STANDARD SPECIFICATIONS, LATEST EDITION, AND LAKE COUNTY STANDARD SPECIFICATIONS.

02. STORM DRAINS SHALL BE REINFORCED CONCRETE PIPE, PER ASTM C-76 CLASS III, UNLESS OTHERWISE SPECIFIED.

03. ALL STORM STRUCTURES SHALL CONFORM WITH FDOT STANDARD INDEX DRAWINGS AND SPECIFICATIONS. GRATES SHALL BE CAST IRON UNLESS OTHERWISE SPECIFIED OR APPROVED.

04. ALL TYPE "P" STRUCTURE BOTTOMS SHALL BE ROUND UNLESS OTHERWISE SPECIFIED AND SHALL HAVE 4 FT. DIAMETER.

05. ALL PAVEMENT STRIPING SHALL BE THERMOPLASTIC.

06. ALL STOP SIGNS SHALL BE 30"x30" AND HIGH INTENSITY PRISMATIC AND ROAD SIGNS PER COUNTY STANDARDS. 07. ALL CONCRETE (PAVEMENT, CURBS, ETC.) SHALL BE 3,000 PSI.

WATER AND SEWER NOTES:

01. CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANY FOR CONSTRUCTION OF THE WATER AND SEWER SYSTEM. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM TO THE SPECIFICATIONS AND REQUIREMENTS OF THE UTILITY COMPANY AND WILL BE SUBJECT TO THEIR INSPECTION AND ACCEPTANCE.

02. CONTRACTOR SHALL COORDINATE WORK, SPECIFICALLY, BUT NOT LIMITED TO, CONNECTIONS TO EXISTING MAINS OR STRUCTURES AND SYSTEM TESTING WITH THE APPLICABLE UTILITY COMPANIES.

03. CONTRACTOR SHALL PROVIDE WATER MAIN DISINFECTION IN ACCORDANCE WITH AWWA C651, HYDROSTATIC PRESSURE AND LEAKAGE TESTING IN ACCORDANCE WITH AWWA C600 OR M23 AS APPLICABLE, AND BACTERIOLOGICAL TEST REPORTS, ALL IN ACCORDANCE WITH PROJECT SPECIFICATIONS, FDEP PERMIT CONDITIONS, AND AWWA STANDARDS.

04. CONTRACTOR SHALL PROVIDE SANITARY SEWER LAMPING/TELEVISION ALL IN ACCORDANCE WITH UTILITY COMPANY REQUIREMENTS.

05. CONTRACTOR SHALL COORDINATE ALL WATER AND SEWER SYSTEM TEST SCHEDULING TO ALLOW ENGINEER'S ATTENDANCE AND PROVIDE FIVE (5) WORKING DAYS NOTICE OF WATER AND SEWER TESTS. CONTRACTOR'S FAILURE TO PROPERLY NOTIFY ENGINEER MAY RESULT IN RETESTING AT ENGINEER'S OPTION AND AT CONTRACTOR'S EXPENSE.

06. ENGINEER RESERVES THE RIGHT TO WITHHOLD AUTHORIZATION OF PAYMENT FOR ANY PORTION OF THE WATER OR SEWER PIPE WORK WHICH HAS NOT BEEN TESTED (OBSERVED BY ENGINEER) AND REPORTED TO CONFORM TO PROJECT SPECIFICATIONS.

07. AS APPLICABLE, SITE CONTRACTOR SHALL COORDINATE AND VERIFY ALL UTILITY SERVICES WITH FINAL ARCHITECTURAL DRAWINGS AND BUILDING CONTRACTOR.

08. SEPARATION REQUIREMENTS - SEE SHEET 22

09. CONTRACTOR SHALL VERIFY SIZE AND TYPE OF EXISTING MAIN PRIOR TO ORDERING TAPPING MATERIALS FOR TIE-INS.

10. CONTRACTOR SHALL MAINTAIN A SET OF RECORD DRAWINGS MARKED UP WITH HORIZONTAL AND VERTICAL AS-BUILT INFORMATION ON LOCATION OF WATER MAINS, FITTINGS, AND WATER SERVICES LOCATED FROM CENTERLINE OF NEAREST FIRE HYDRANT OR NEAREST MANHOLE. THE UTILITY REQUIRES ASSET TABLES, LOCATION OF ASSETS USING NORTHING/EASTING COORDINATES IN STATE PLANE FOR ALL FITTINGS, VALVES, SERVICES, HYDRANTS AND PIPE INTERVALS AT NO LESS THAN 100'.

11. CONCRETE CURBS SHALL BE CHISELED OR IMPRINTED TO SHOW LOCATIONS OF WATER AND SEWER SERVICE LINES/LATERALS. MARKING SHALL CONFORM WITH LOCAL STANDARDS. WHERE NO STANDARDS EXIST, USE "W" FOR WATER, "S" FOR SANITARY.

12. MINIMUM ACCEPTABLE GRADE FOR 8" PVC SANITARY SEWER IS 0.30%. CONTRACTOR SHALL VERIFY ACCURACY OF PIPE SLOPE. LINES CONSTRUCTED AT SUB-STANDARD SLOPES WILL NOT BE ACCEPTED. MINIMUM SLOPE OF 6-INCH PVC SERVICE LINES IS 1%

13. PIPE LENGTHS SHOWN REPRESENT SCALED DISTANCES BETWEEN CENTERLINES OF MANHOLE STRUCTURES.

14. WATER MAIN TAPS SHALL BE DONE BY CONTRACTOR. WATER METER VALVES SHALL BE INSTALLED BY CONTRACTOR. WATER METERS SHALL BE INSTALLED BY CONTRACTOR. METER BOXES SHALL BE INSTALLED BY CONTRACTOR OUTSIDE THE RIGHT OF WAY LINE. BACKFLOW PREVENTERS SHALL BE INSTALLED BY CONTRACTOR.

15. FIRE HYDRANTS WHICH ARE GRAPHICALLY SHOWN ON OR NEAR LOT LINES AND NOT OTHERWISE LOCATED BY STATIONING OR DIMENSIONING SHALL BE CENTERED ON THE LOT LINE.

16. CONTRACTOR SHALL NOT ACTIVATE WATER SERVICE UNTIL THE FDEP HAS CLEARED THE SYSTEM FOR USE AND THE CLEARANCE LETTER HAS BEEN RECEIVED BY THE OWNER.

17. EXISTING WATER MAINS SHALL BE PROTECTED FROM CONTAMINATION DURING FILLING, FLUSHING, AND TESTING OF NEW LINES IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF AWWA C651-92.

18. ALL PRESSURE LINES UNDER PAVEMENT SHALL BE D.I.P. \cdots

WATER AND SEWER SPECIFICATIONS: GENERAL:

01. ALL MATERIALS FURNISHED BY THE CONTRACTOR UNDER THIS SECTION SHALL BE NEW, HIGH GRADE AND FREE FROM DEFECTS. ALL PLASTIC PIPE AND FITTINGS FOR WATER DISTRIBUTION SHALL BE APPROVED BY THE NSF FOR POTABLE WATER AND BEAR THE NSF SEAL. PLASTIC PIPE AND FITTINGS SHALL BE SUPPLIED FROM THE SAME MANUFACTURER.

02. WHEREVER LOCAL STANDARD SPECIFICATIONS DIFFER FROM THESE, CONTRACTOR SHALL NOTIFY ENGINEER FOR CLARIFICATION. TYPICALLY THE MORE STRINGENT SHALL GOVERN.

03. ALL NEW AND RELOCATED PROJECT COMPONENTS THAT WILL COME INTO

CONTACT WITH DRINKING WATER OR DRINKING WATER TREATMENT CHEMICALS (EXCEPT COMPONENTS THAT WLL COME INTO CONTACT WITH RAW WATER PRIOR TO ITS TREATMENT BE REVERSE OSMOSIS) SHALL BE IN CONFORMANCE WITH AMERICAN NATIONAL STANDARDS INSTITUTE (ANŚI)/NSF INTERNATIONAL (NSF) STANDARD 61. ALSO, ALL DRINKING WATER TREATMENT CHEMICALS SUPPLIED UNDER THIS PROJECT EXCEPT FLUORIDATION CHEMICALS SHALL BE IN CONFORMANCE WITH ANSI/NSF STANDARD 60 AND ALL FLUORIDATION CHEMICALS SUPPLIED UNDER THIS PROJECT SHALL BE IN CONFORMANCE WITH ANSI AND AMERICAN WATER WORKS ASSOCIATION STANDARD B701, B702, OR B703 AS APPLICABLE.

04. ALL UNDERGROUND LINES AND SERVICES SHALL BE WIRED IN ACCORDANCE WITH THE REQUIREMENTS OF UTILITIES, INC. OF FLORIDA. UTILITIES, INC. OF FLORIDA REQUIRES THAT THE POTABLE WATER AND REUSE LINES HAVE CONTINUOUS 10 GAUGE COPPER WIRE FOR TRACING.

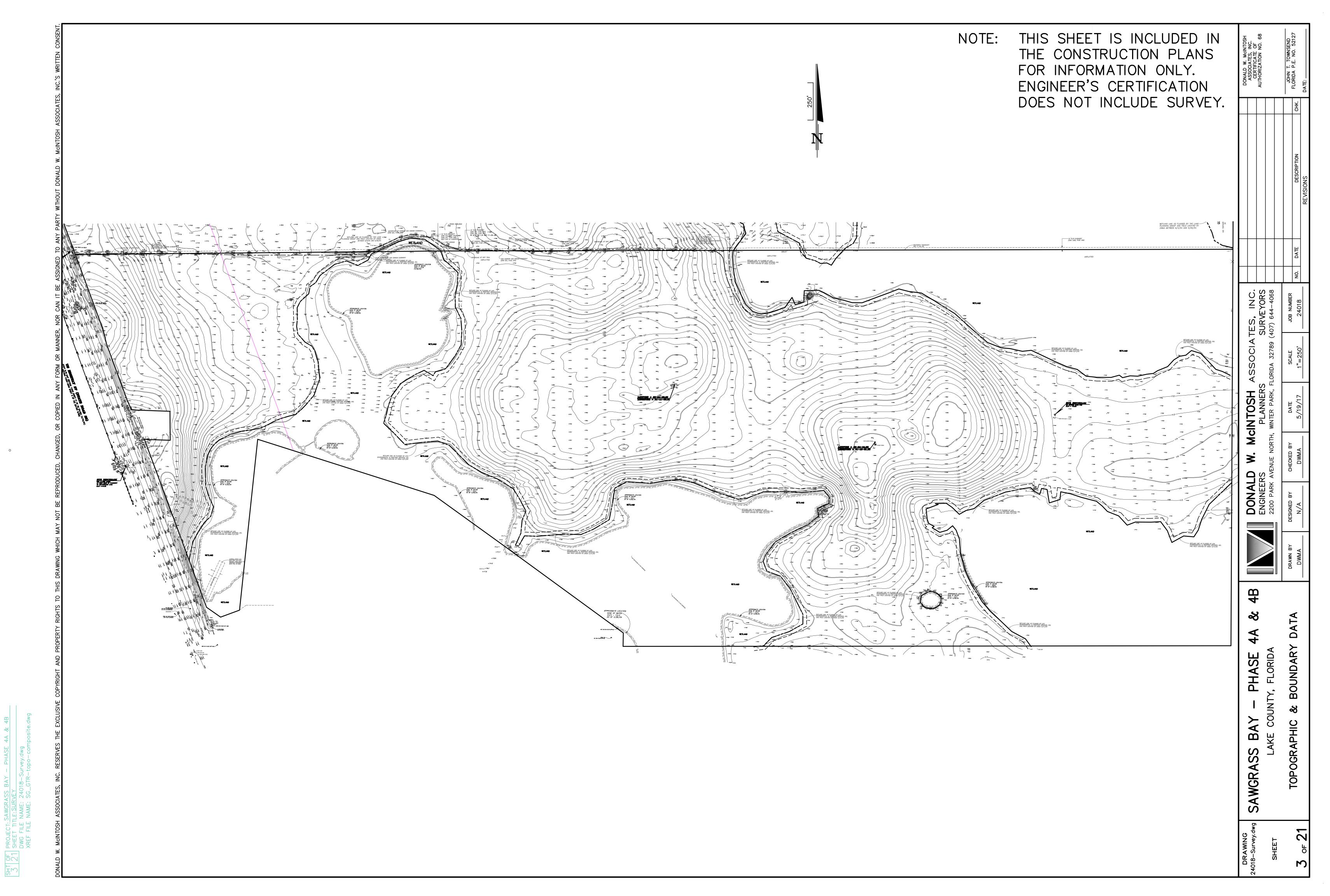
WATER DISTRIBUTION:

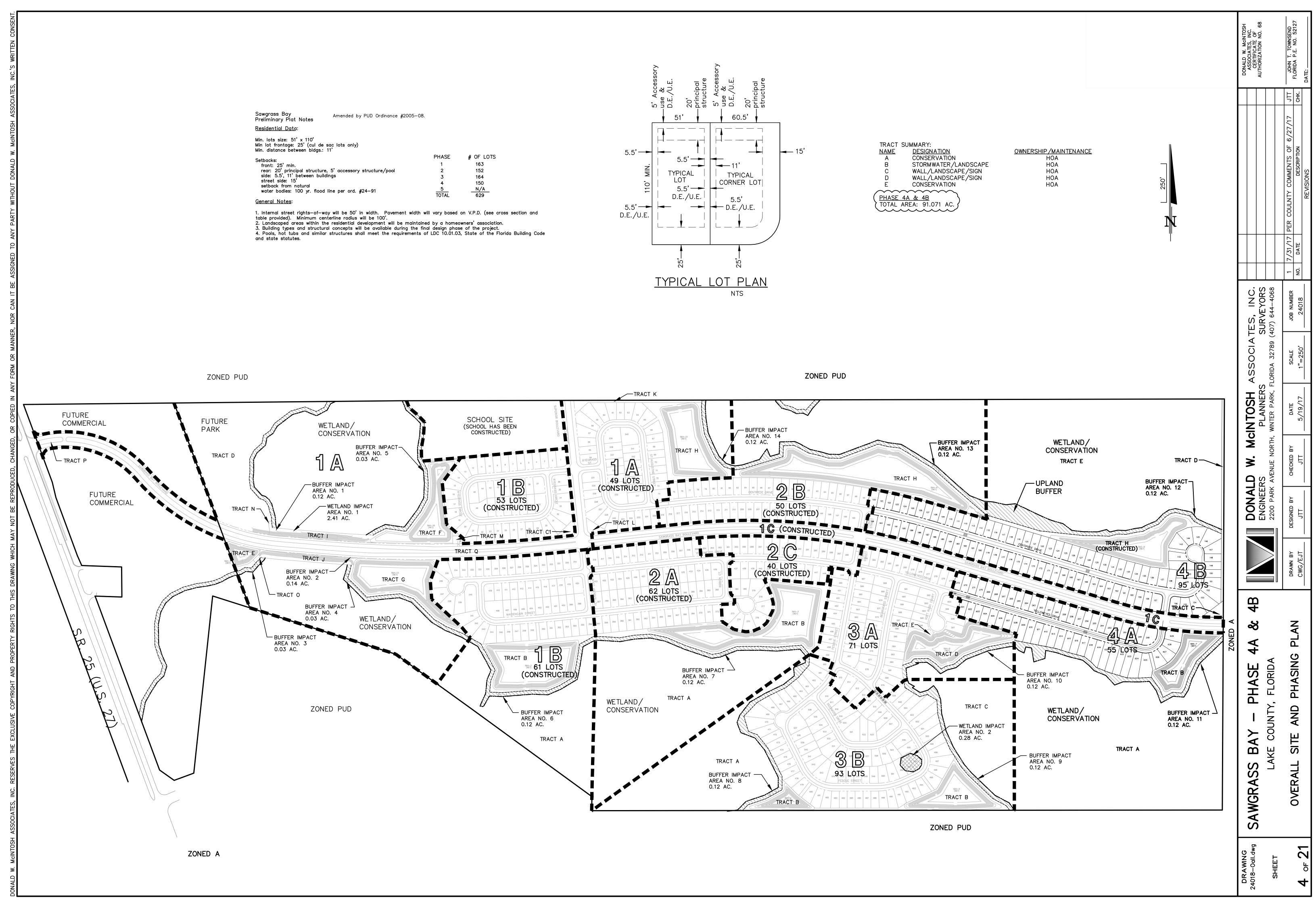
01. PIPE 4" TO 12": PVC AWWA C900 CLASS 150 DR18 AND ASTM D1784, WITH INTEGRAL BELLS AND ELASTOMERIC JOINTS PER ASTM D3139 WITH GASKETS PER ASTM F477.

02. PIPE 1 1/2" TO 3" AND FITTINGS LESS THAN 4": PVC ASTM D2241 CLASS 200, SDR 21, WITH INTEGRAL BELLS AND ELASTOMERIC JOINTS PER ASTM D3139 WITH GASKETS PER ASTM F477. (PIPE SHALL BEAR NSF LOGO FOR POTABLE WATER USE.)

03. PIPE (D.I.P. WHEN CALLED FOR): ANSI/AWWA C151/A21.51, CLASS 50 UNLESS OTHERWISE DESIGNATED, ANSI/AWWA C150/A21.50, WITH MECHANICAL OR PUSH ON JOINTS PER ANSI/AWWA C111/A21.11, WITH INTERIOR LINING OF CEMENT MORTAR AND ASPHALTIC MATERIAL SEAL COAT IN ACCORDANCE WITH ANSI/AWWA C104/A21.10 AND EXTERIOR COATING PER ANSI/AWWA C151/A21.51 OF 1.0 MIL MINIMUM THICKNESS.

	McINTOSH ES, INC. ATE OF ON NO. 68	. TOWNSEND .E. NO. 52127
04. FITTINGS 4" AND OVER: DUCTILE IRON CONFORMING TO ANSI/AWWA C110/A21.10, 250 PSI, WITH CEMENT MORTAR LINING CONFORMING TO ANSI/AWWA C104/A21.10, STANDARD THICKNESS, WITH COMPRESSION TYPE JOINTS/MECHANICAL JOINTS AS RESPECTIVELY SPECIFIED IN ASTM D3139 AND ANSI/AWWA C110/A21.11.	DONALD W. McI ASSOCIATES, CERTIFICATE AUTHORIZATION	
05. VALVES: 3" TO 12": RESILIENT SEAT GATE VALVES 250 PSI CONFORMING TO ANSI/AWWA C509, OPENING COUNTERCLOCKWISE, WITH O-RING STEM SEAL AND OPENING EQUAL TO OR GREATER THAN THE NOMINAL DIAMETER OF THE VALVE.	AU DO	T JOHN K. FLORIDA DATE:
06. VALVES 2" AND SMALLER: BRONZE, WEDGE DISC, NON-RISING STEM TYPE, 150 PSI MINIMUM WORKING PRESSURE, EQUIPPED WITH WROUGHT STEEL OR CAST IRON OPERATING HANDWHEELS AND WITH ENDS SUITABLE FOR JOINTING TO THE PIPE USED.		/28/17 JTT CHK.
07. VALVE BOXES: ADJUSTABLE, CAST IRON, MINIMUM INTERIOR DIAMETER OF 5 INCHES WITH COVERS LEGIBLY CAST WITH THE INSCRIPTION "WATER" ON THE TOP, AND WITH A HEAVY COATING OF BITUMINOUS PAINT. BOXES SHALL BE SUITABLE FOR THE APPLICABLE SURFACE LOADING AND VALVE SIZE. ALL VALVES SHALL HAVE BOXES.		5 OF 7,
08. FIRE HYDRANTS: AWWA C502, CONFORMING TO STANDARD SPECIFICATIONS OF THE LOCAL JURISDICTION AND UTILITY COMPANY WHERE DIFFERENT. 09. BACKFLOW PREVENTION DEVICES: CONFORM TO STANDARDS OF THE APPLICABLE UTILITY COMPANY.		ES, INC. COMMENTS DESCRIPTION
SEWAGE COLLECTION/TRANSMISSION: 01. GRAVITY PIPE AND FITTINGS 4" TO 15": PVC ASTM D3034, SDR 35 WITH ELASTOMERIC JOINTS PER ASTM D3212.		
02. GRAVITY PIPE: (D.I.P. WHEN CALLED FOR) ANSI/AWWA C151/A21.51, CLASS 50 UNLESS OTHERWISE DESIGNATED, ANSI/AWWA C150/A21.50, WITH MECHANICAL OR PUSH ON JOINTS PER ANSI/AWWA C111/A21.11. AN INTERIOR PROTECTIVE LINING OF COAL TAR EPOXY SHALL BE PROVIDED WITH A MINIMUM DRY THICKNESS OF 30 MILS		/31/17 PER DATE
AND EXTERIOR COATING PER ANSI/AWWA C151/A21.51 OF 1.0 MIL MINIMUM THICKNESS. 03. MANHOLES: ASTM C478 WITH 5" MINIMUM WALL, 4000 PSI CONCRETE.		1 No.
REUSE DISTRIBUTION:		
01. REUSE MAIN: PVC AWWA, CLASS 900, DR 18 COLOR CODED BY PURPLE PIGMENTATION AWWA C900-C901CL. 150 DR18 ASTM D1784 D2241, NSF APPROVED. 02. ALL REUSE MAINS UNDER PAVEMENT SHALL BE D.I.P. (ALL ROADWAYS). 03. ALL REUSE SERVICES THAT ARE LONGSIDE SHALL BE INSTALLED WITH SCH 40 PVC	5, INC. RVEYORS 644-4068	JOB NUMBER 24018
CASING 2× THE O.D. OF THE SERVICE LINE. 04. FITTINGS 4" AND OVER: MECHANICAL JOINT DUCTILE IRON OR GRAY IRON CONFORMING TO ANSI/AWWA A-21.10/C-110, 350 PSI MINIMUM PRESSURE RATING, OR DUCTILE IRON COMPACT FITTINGS CONFORMING TO ANSI/AWWA A-21.53/C-153.	IATES, SURVE 89 (407) 644	
LEGEND	ASSOCIA S FLORIDA 32789	SCALE N/A
EXISTING ITEM (STRUCTURE DESIGNATION) PROPOSED		'
Drainage line & size 15D — 15"rcp Drainage line call-out 50LF 15"rcp Drainage line call-out 50LF	OSH ANNER ER PARK,	Е /17
DITCH BOTTOM INLET (I-1) \square CURB INLET (I-2) \square \square		DATE 5/19/
DRAINAGE MANHOLE (DM−3) CONTROL STRUCTURE (CS−4)	McINTO PLAN RTH, WNTER	
MITERED END SECTION (MES-5) -	NORTH,	
─□ U-TYPE ENDWALL (UEW-6) -□ ─□ STRAIGHT ENDWALL (SEW-7) -1		KED BY JTT
─□ WINGED ENDWALL (WEW-8) -(→ PIPE FLOW DIRECTION →		снескер
SURFACE DRAINAGE DIRECTION		
$\begin{array}{c} \hline \hline$	NEEI PARK	۲. E
FF90.00 FINISHED FLOOR ELEVATION 90.00	DONAL ENGINEER 2200 PARK	
N/A LOT GRADING TYPE B SLOPE (HORIZ: VERT) 5:1	ы с С ш й 	DESIGNED
BENCHMARK N/A SOIL BORING N/A ESTIMATED WET SEASON WATER TABLE N/A		BY
RETAINING WALL		I z ビ
V V 100 YEAR FLOOD LIMITS N/A HAY BALE OR SILT FENCE COCCCCCC		DRAW CWG,
N/A FLOATING TURBIDITY BARRIER		
OHW EL 100 ORDINARY HIGH WATER ELEVATION N/A N/A DESIGN NORMAL WATER ELEVATION DNW EL 100	48	
N/A DESIGN HIGH WATER ELEVATION DHW EL 100 SMA-5 STORMWATER MGMT AREA SMA-5		_
8W DOMESTIC WATER LINE & SIZE8W 8F FIRE WATER LINE & SIZE8F	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ND ND
RECLAIMED WATER LINE & SIZE → FIRE HYDRANT ASSEMBLY →	I < _	EGEND
— — → ← ─		
	SD ST	శ
Image: single water service Image: service Image: service Image: service	PHASE FLORIDA	<u>N</u>
BLOW-OFF BO PLUG E		Ö
		ATIONS
● SANITARY SEWER MANHOLE (SM-1) ● — —> — PIPE FLOW DIRECTION →>		
	BAΥ . ∢E coui	CIF
SINGLE SEWER LATERAL	AKm B	SPECIFIC
$- \frac{4FM}{R} - \frac{8DI}{R} - $		S
N/A WATER BAC-T SAMPLE POINT <u>BW</u>	AS	Ś
N/A STOP BAR		NOTES
	SAWGRASS	ž
N/A PHASE LINE	A	
EDGE OF WATER N/A N/A WETLAND IMPACTS Impacts	ر ا	
	б х	
N/A UPLAND BUFFER	ING tes.d	2
	DRAWING 24018-Notes.dwg SHEET	ЦО
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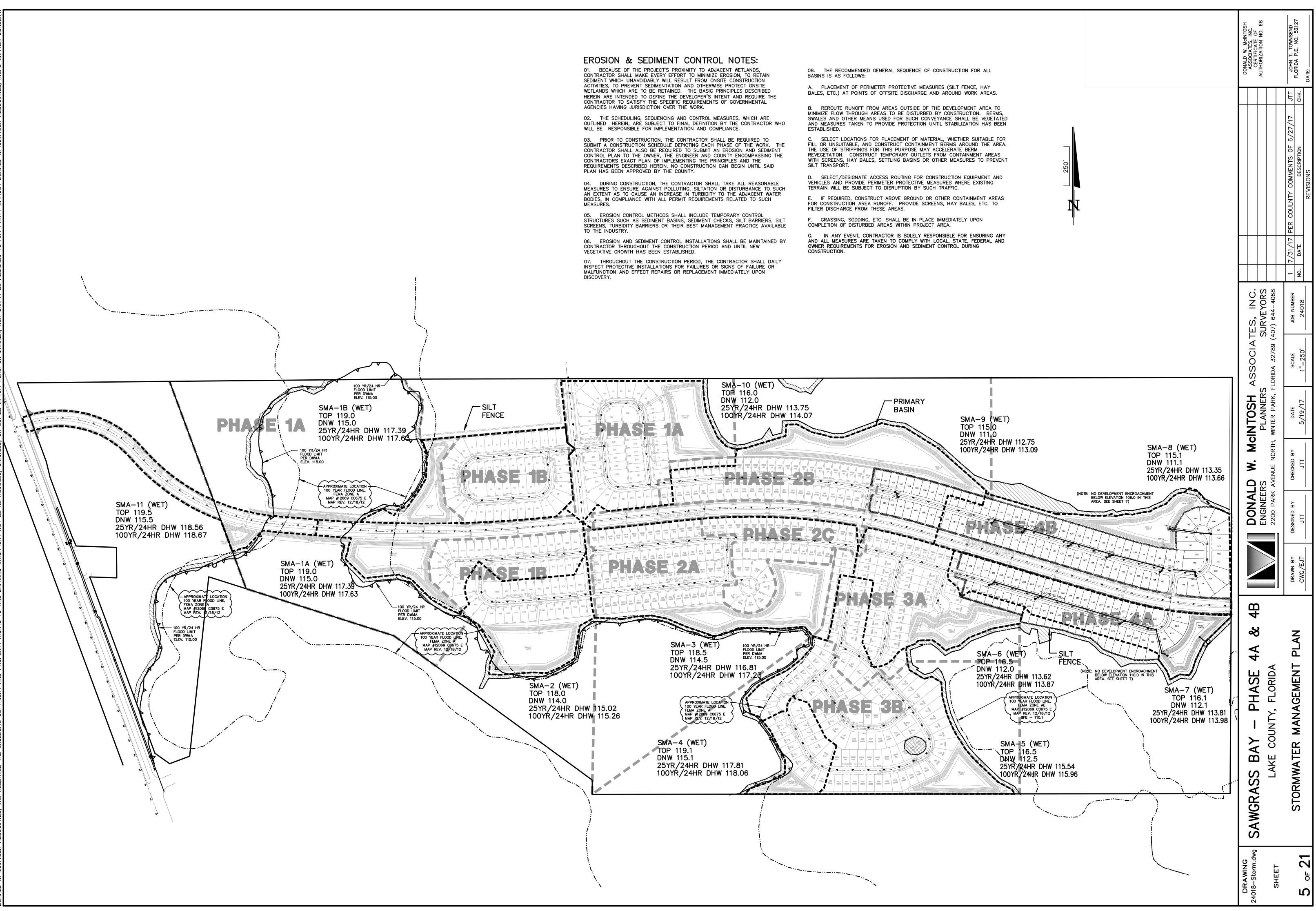
PROJ SHEE DWG XREF

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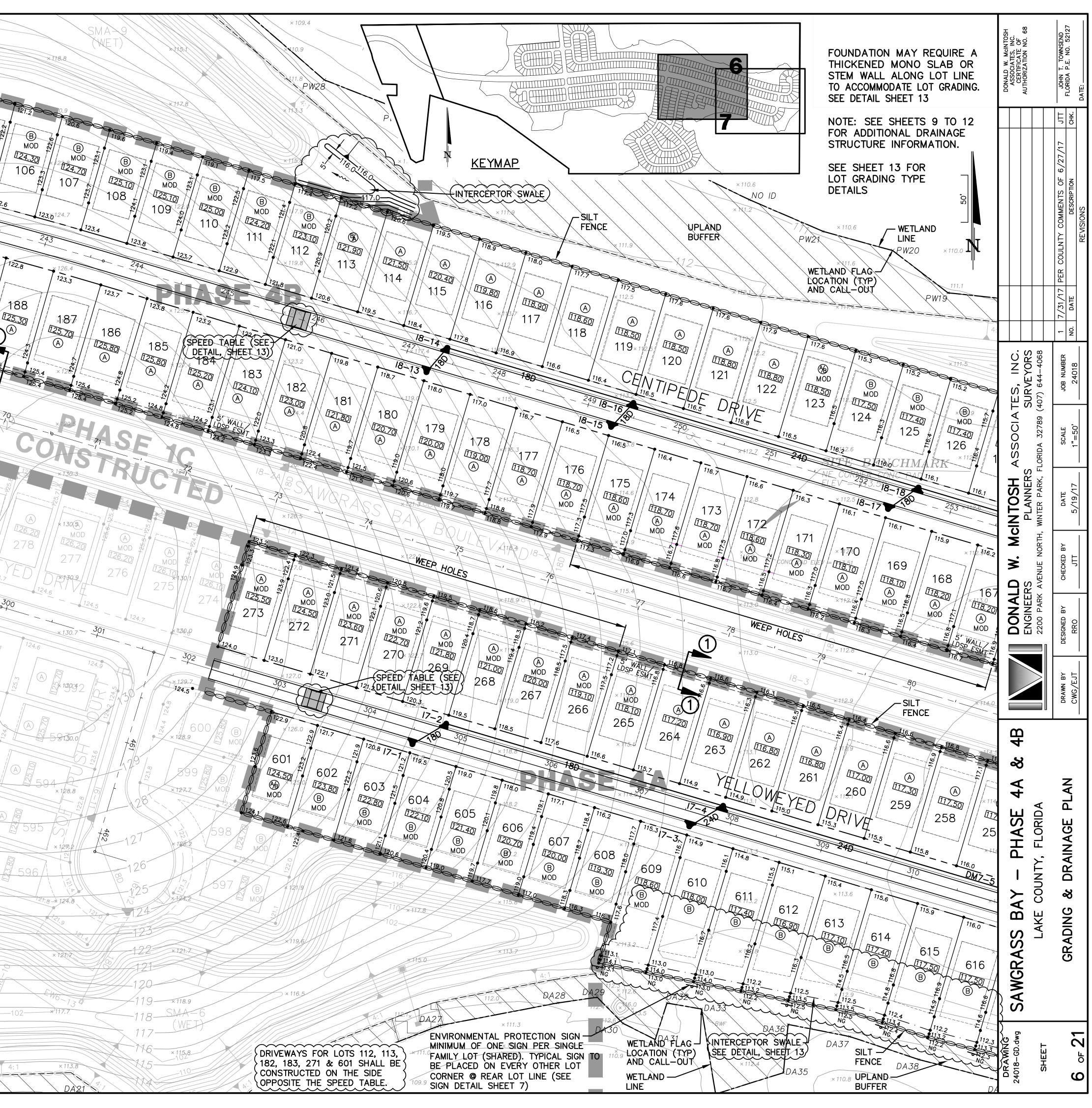


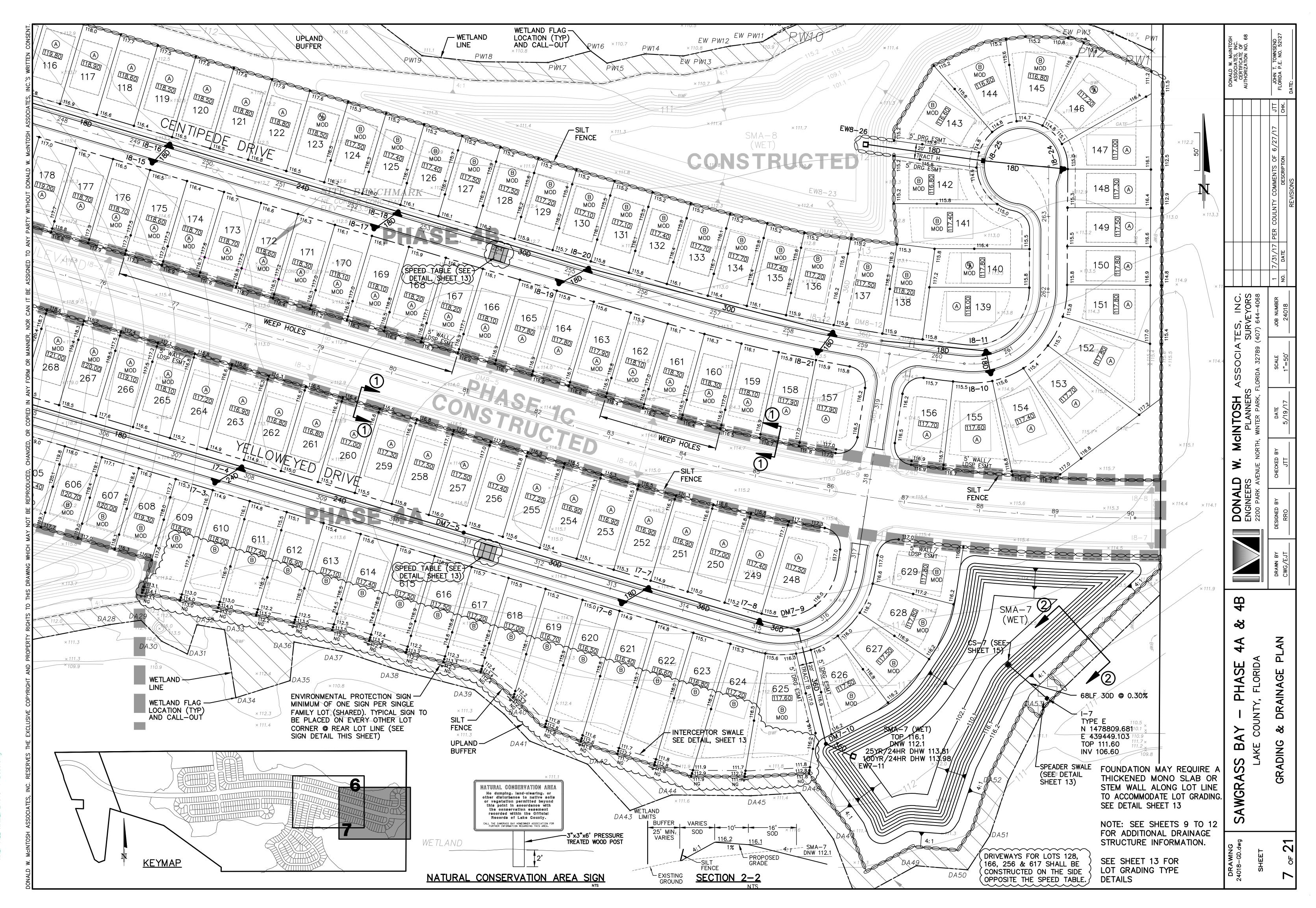




B B MQD MOD <u>2121.80</u> B 122.20 MOD B 100 122.90 MOD B 101 123.00 MOD 102 B 123.40 103 MOD 123.90 104 105 120 121/8 194 122.0 193 122.70 122.4 192 123.101 (\mathbb{A}) 191 123.80 (A)1,90 124.00 (A)189 124.40 (A)124.80 (A)26(A) ×122. 67 × 122.4 SILT-FENCE \bigcirc ×129.8 TERCTOWER 4 - 04.6340-51.8326129.7 445 745 × 123.5 4" DIA. WEEP HOLES stAT 100' ON CENTER (WHERE SHOWN ON PLANS) 49 120.4 5' WALL * (CONTRACTOR MAY REMOVE ONE BRICK AT SAME LOCATIONS IF OWNER EXISTING - SLOPE VARIES (1%-8.1%) **ARIES** APPROVED) WALL ELEV. VARIES (SEE PLAN) EXISTING-% (TYP) SIDEWALK ---T 1% (TYP) SLOPE VARIES (1%-9.1:1) SECTION 1-1

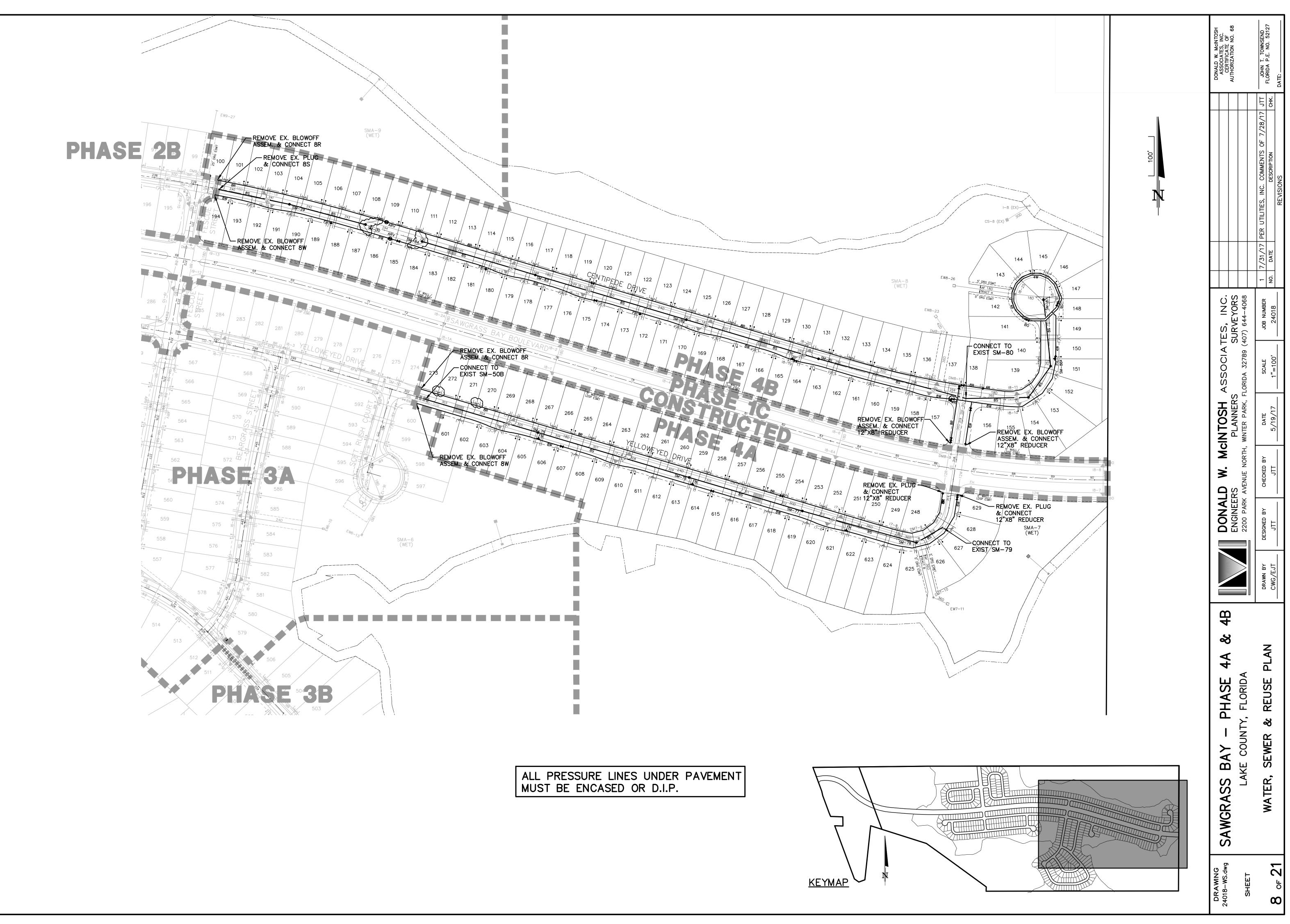
T OF 21 SHEET TITLE: <u>G&D PLAN</u> DWG FILE NAME: 24018-GD.dwg XREF FILE NAME: 24018-4-Base.dwg

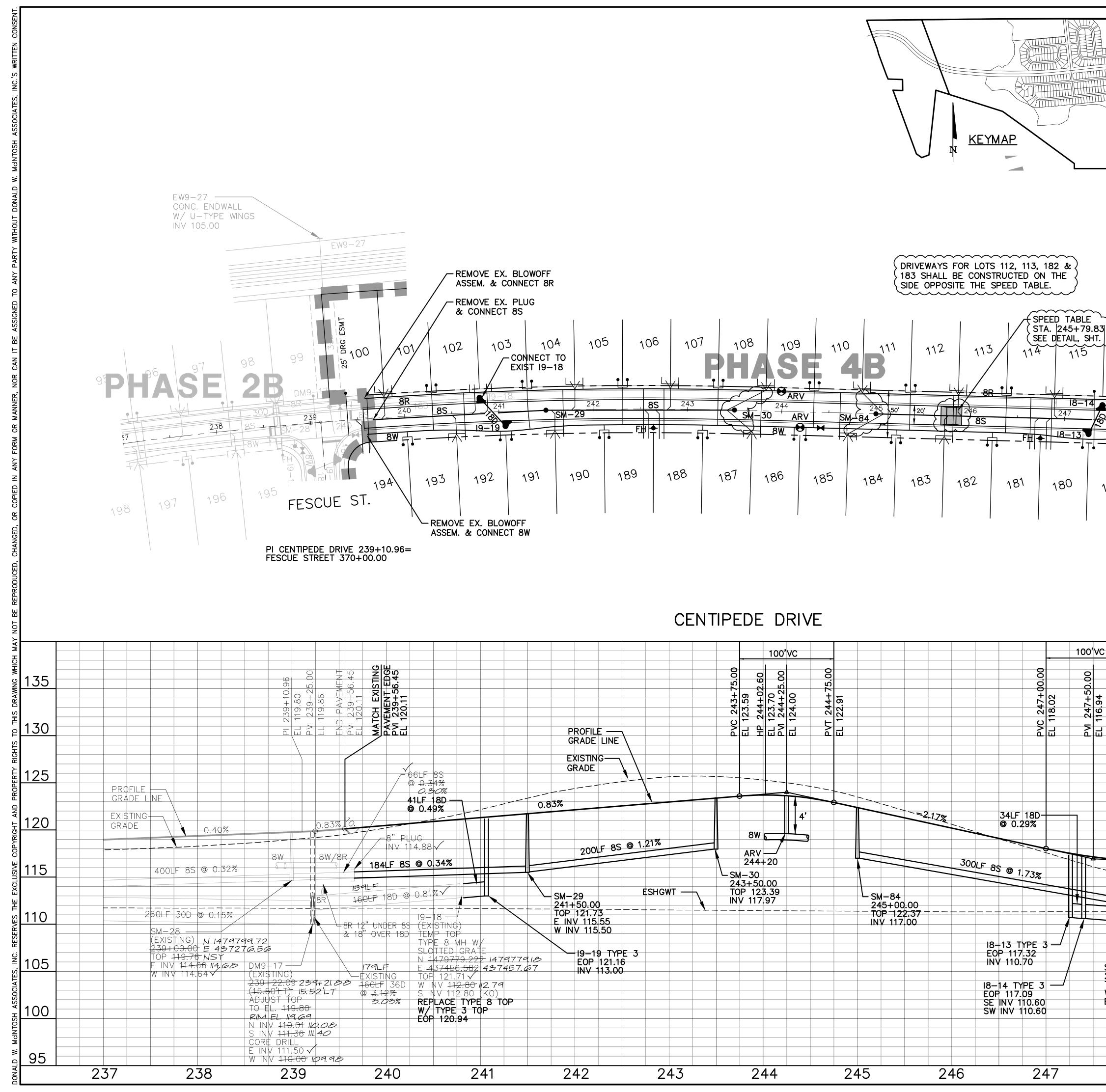




OF PROJECT: SAWGRASS BAY – PHASE 4A & 2 21 SHEET TITLE: <u>G&D PLAN</u> DWG FILE NAME: 24018–GD.dwg XREF FILE NAME: 24018–4–Base.dwg







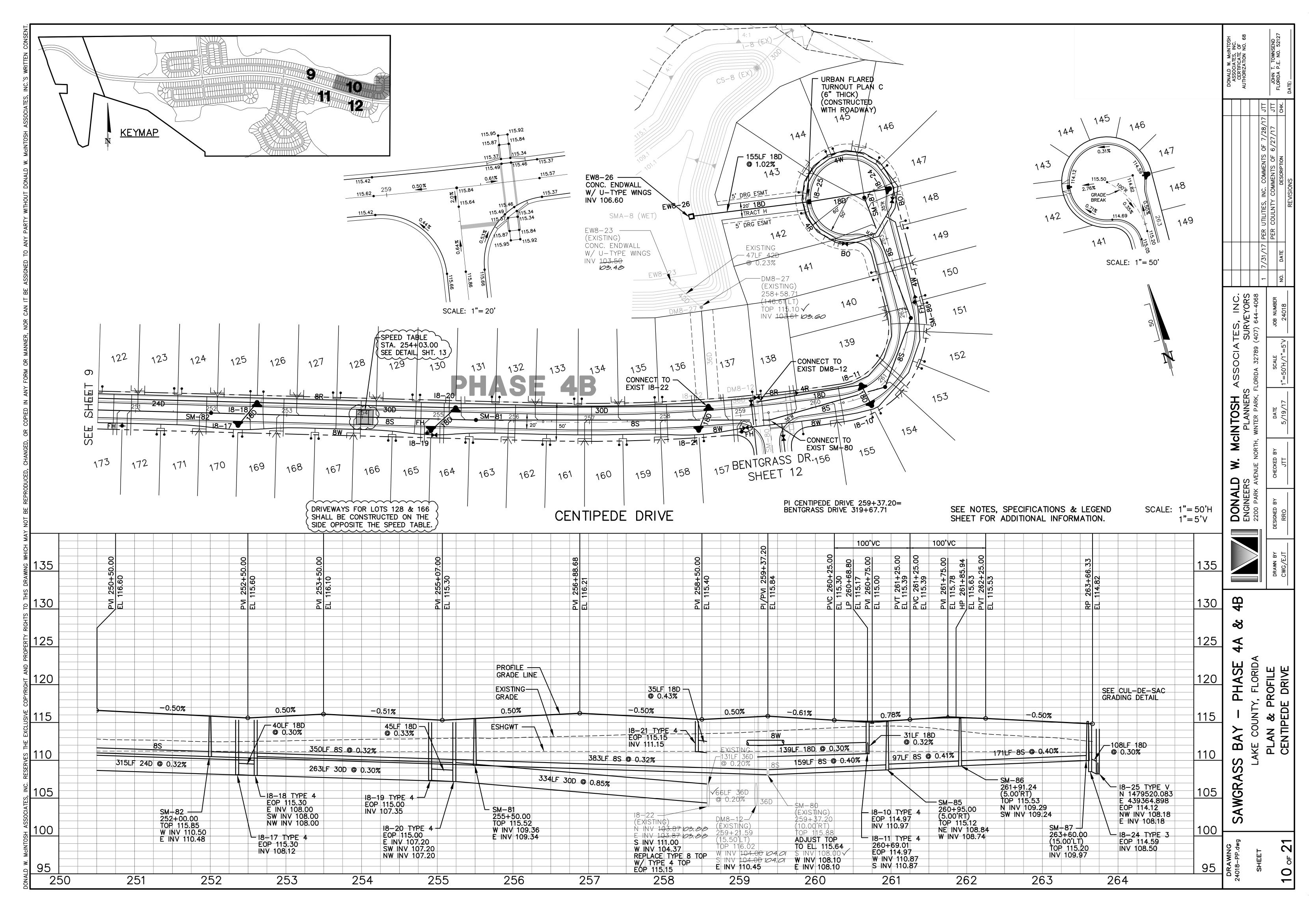
 HT OF
 PROJECT: SAWGRASS BAY - PHASE 4A

 Project: Sawgrass Bay - Phase 4A

 Dug File: CENTIPEDE DRIVE

 Dwg File NAME: 24018-4-Base.dwg

				OF 7/28/17 JTT	/27/17
33 13 116 117 118	119 120	121		EYORS 44-4068 1 7/31/17 PER UTILITIES, INC. COMMENTS	DATE PER COULNTY COM DATE PER COULNTY COM REVISION
	176 175	$\begin{array}{c} 0 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\$		DONALD W. MCINTOSH ASSOCIATES, ENGINEERS PLANNERS SURV 2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA 32789 (407) 64	BY СНЕСКЕД ВY DATE SCALE JTT 5/19/17 1"=50'H/1"=5'V
SHEET FOR AD	PECIFICATIONS & LE DITIONAL INFORMAT	100. 1 ² 100. 00 100. 00 1	135		DRAWN BY DESIGNED CWG/EJT RRO
			1 <u>30</u> 125 120	ASE 4A & 4B ORIDA	FILE RIVE
-0.50% 400LF 8S @ 0.32 206LF 18D @ 0.309			<u>115</u> <u>110</u>	SS BAY – PHASE 4 Lake county, florida	PLAN & PROF CENTIPEDE DF
SM-83 I8-15 TYPE 4 SM-83 EOP 115.74 248+00.00 INV 109.10 TOP 116.69 INV 109.10 W INV 111.80 I8-16 TYP E INV 111.78 I8-16 TYP E INV 111.78 EOP 115.74			105	SAWGRA	
248 24	9.00	251	95	DRAWING 24018-PP.dwg SHEET	9 ₀ 21

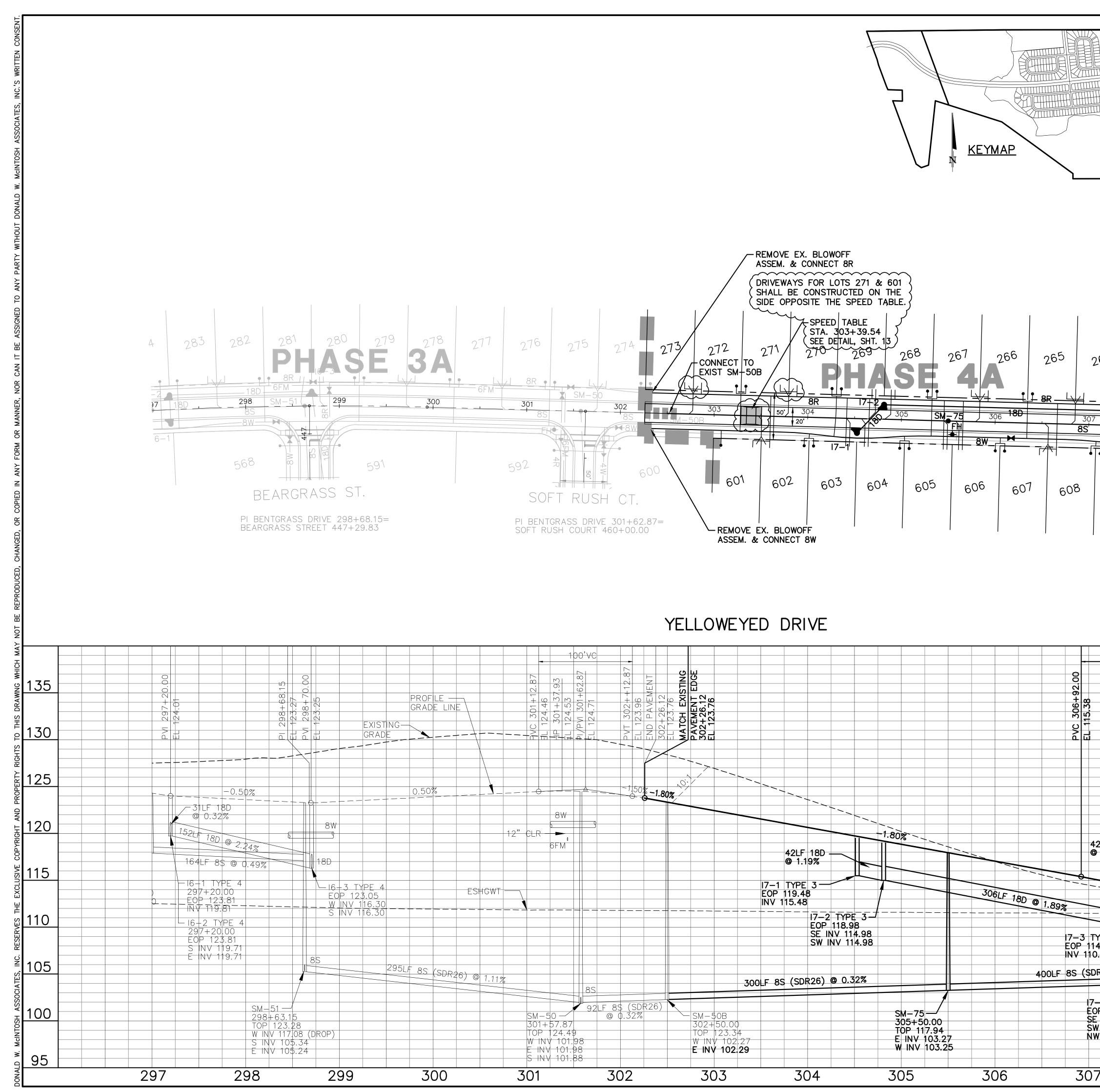


 IT OF
 PROJECT: SAWGRASS BAY - PHASE 4A &

 O 21
 SHEET TITLE: CENTIPEDE DRIVE

 DWG FILE NAME: 24018-PP.dwg

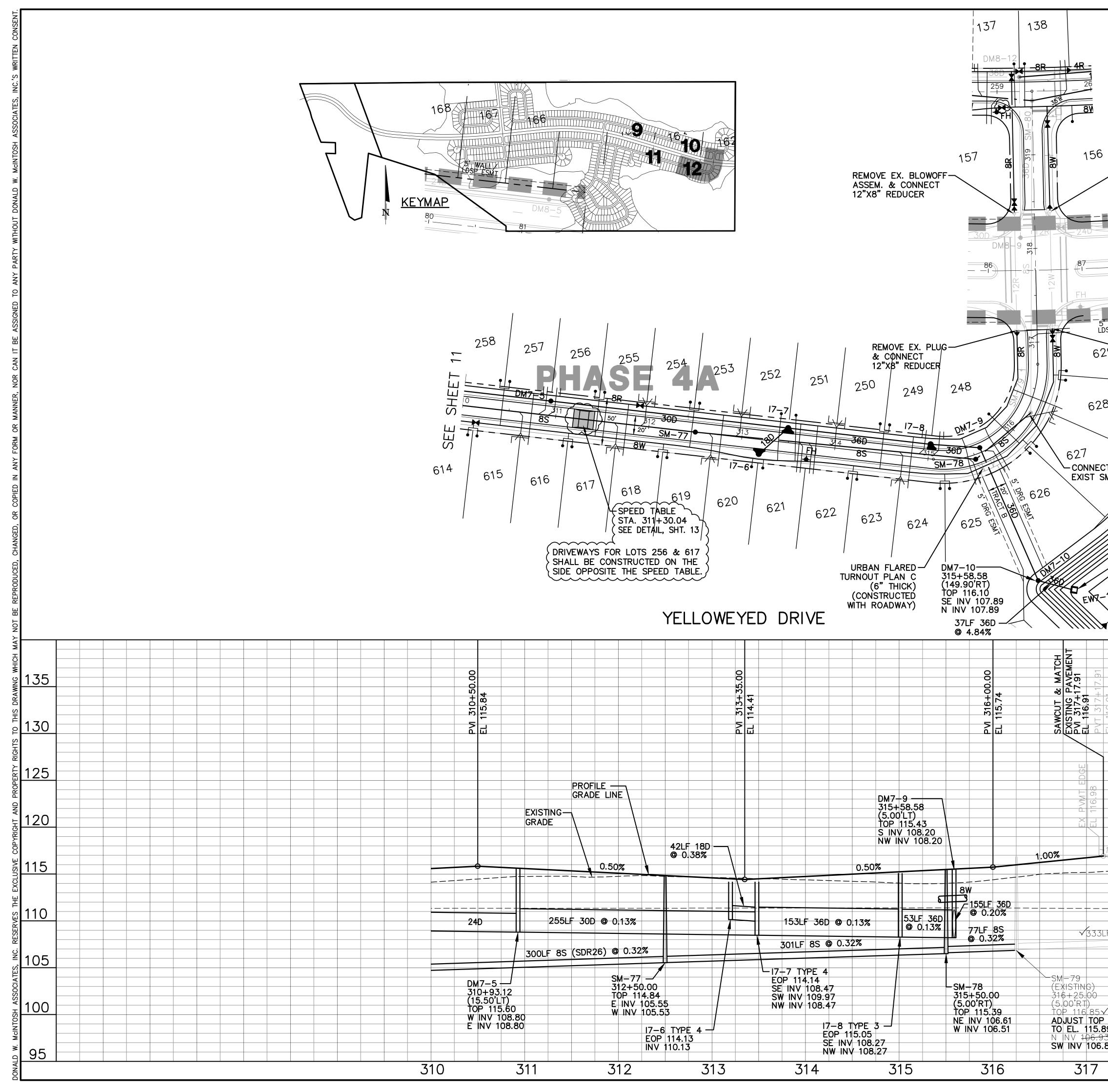
 XREF FILE NAME: 24018-4-Base.dwg



4B

- PHASE DRIVE ..dwg ..axe.dw DJECT: SAWGRASS BAY – ET TITLE: <u>YELLOWEYED DR</u> F FILE NAME: 24018–PP.c F FILE NAME: 24018–4–B PROJ SHEE DWG XREF HT OF 121

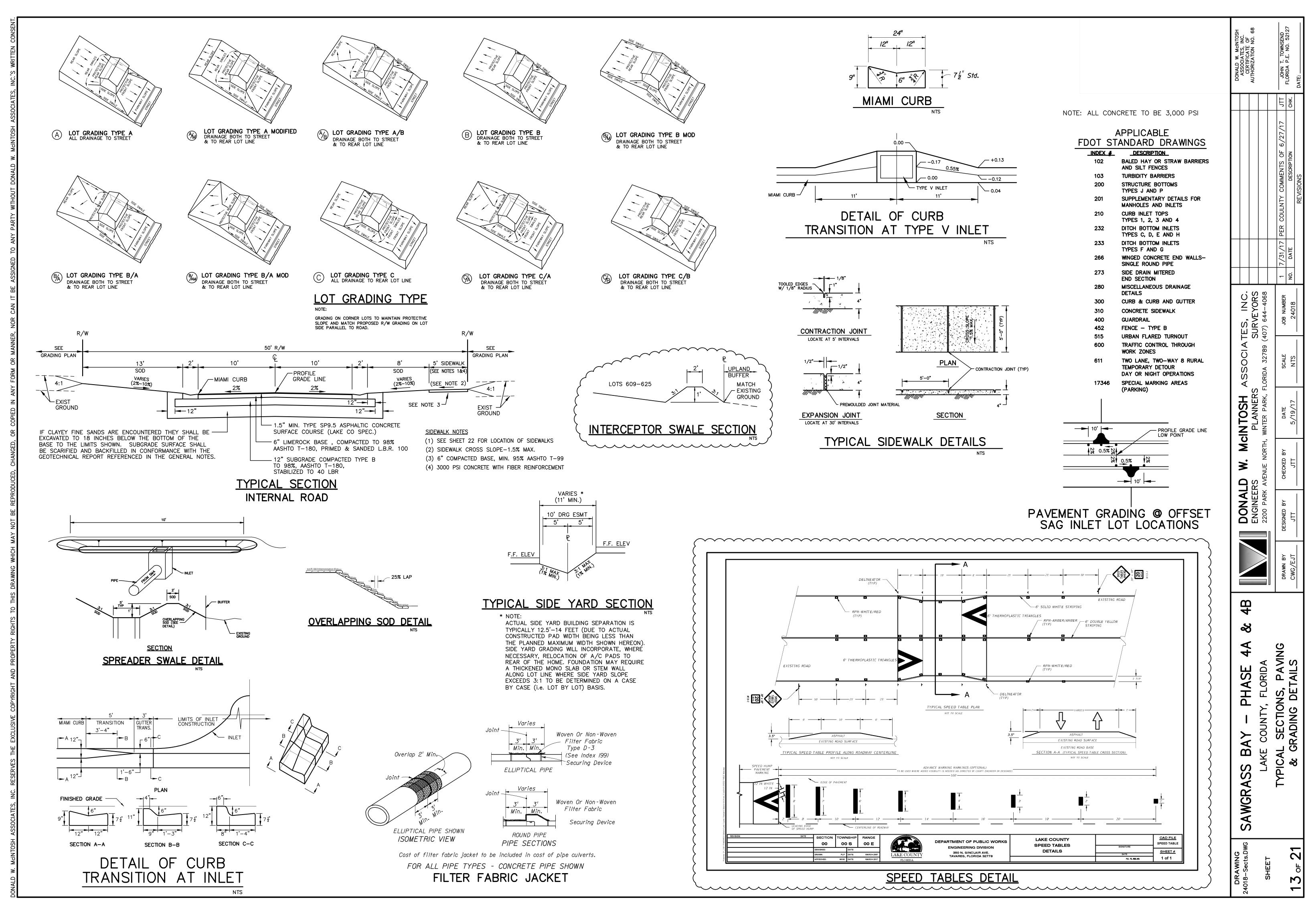
								20		DONALD W. McINTOSH ASSOCIATES, INC. CERTIFICATE OF AUTHORIZATION NO. 68	: OF 7/28/17 JTT	TY COMMENTS OF 6/27/17 JTT JOHN T. TOWNSEND DESCRIPTION CHK. FLORIDA P.E. NO. 52127 REVISIONS DATE:
		510 SEE	611 NOTES,	612 SPECIFIC	ATIONS			CALE: 1"= 1"=	50'H	DONALD W. McINTOSH ASSOCIATES, INC. ENGINEERS PLANNERS SURVEYORS	WINTER PARK, FLORIDA 32789 (407) 644–4068 1 7/31/17 PER UTILITIES,	DESIGNED BY CHECKED BY DATE SCALE JOB NUMBER PER COULNTY RRO JTT 5/19/17 1"=50'H/1"=5'V 24018 NO. DATE REV
20 [°] 00 302+20.00		T ¹ 14,50 114,55 114,55							135			DRAWN BY CWG/EJT
	EL 114	FVT ¹¹⁴							130	A & 4B		
42LF 24D- @ 2.45%									120	PHASE 4	, FLORIDA	YELLOWEYED DRIVE
					0.50%		-		115	3AY -	E COUNTY	LAN & F LLOWEYE
TYPE 4 14.23 0.23			3	96LF 24D	@ 0.13%				110	RASS E		r H
DR26) @ C 7-4 TYPE OP 114.23	4				SM-76 -				105	SAWG		
OP 114.23 E INV 109 W INV 109 W INV 109 W INV 109	.20				SM-76 309+50.0 TOP 115.3 E INV 104 W INV 104	34 4.57				DRAWING 24018-PP.dwg	SHEET	11 o [_] 21



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HT OF 2221 PROJECT: SAWGRASS BAY – PHASE 4A & 4 2221 SHEET TITLE: YELLOWEYED DRIVE DWG FILE NAME: 24018–PP.dwg XREF FILE NAME: 24018–4–Base.dwg

BENTGRASS I 56 REMOVE EX. BLOWC ASSEM. & CONNEC 12"X8" REDUCER	T WGRASS BAY BOULEVARE GRASS DRIVE 317+76.71) 86+50.64=		ASSOCIATES, INC. SURVEYORS LORIDA 32789 (407) 644-4068 LORIDA 32789 (407) 644-4068	SCALE JOB NUMBER 1 7/31/17 PER COULNTY COMMENTS OF 6/27/17 JTT JOHN T. TOWNSEND 1"=50'H/1"=5'V 24018 NO. DATE DESCRIPTION CHK. DATE. NO. 52127 1"=50'H/1"=5'V 24018 NO. DATE REVISIONS DATE. DATE. DATE.
W/ U- INV 10 SMA-7 (WET) SEE NOT	11 ENDWALL TYPE WINGS 06.10 TES, SPECIFICATIONS OR ADDITIONAL INFOR		: 1"= 50'H 1"= 5'V	DONALD W. MCINTOSH ASS ENGINEERS 2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA	DESIGNED BY CHECKED BY DATE DATE RRO JTT 5/19/17 1"=5
PWI 317+17.91 PWI 317+68:21 EL 116.91 FL 117.00 PUI 317+85:21 EL 117.00 PUI 317+85.21	EX PVMT EDGE 318+41.16 FL 116.38 MATCH EXISTING PAVEMENT EDGE 318+41.16 EL 116.38 EL 116.38	PVI 319+57.71 EL 115.64 PI/PVI 319+67.71 EL 115.84 EL 115.84	135 130 130	PHASE 4A & 4B	DRAWN BY CWG/EJT
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	13% 0.64% 2₩ 2₩ 3 10 √172LF 36D © 1.45% -DM8-9	2.0% 2.0% 3.0 2.0% 3.0 3.0 3.0 3.0 3.0 3.0 3.0 3.0	120 115 115 110 105	SAWGRASS BAY - PHASE 4 LAKE COUNTY, FLORIDA	PLAN & PROFILE YELLOWEYED DRIVE
$\frac{1}{2} \frac{1}{2} \frac{1}$	(EXISTING) 86+34.91 (35.00'LT) TOP <u>116.28</u> TOP IIG.32 W INV 108.50 IDE.48 E INV 109.00 N INV 106.50 IDG.48 319	BHEET 10 SHEET 10 SHEET 10 SHEET 10 320	95	DRAWING 24018-PP.dwg SHEET	12 ₀ 21

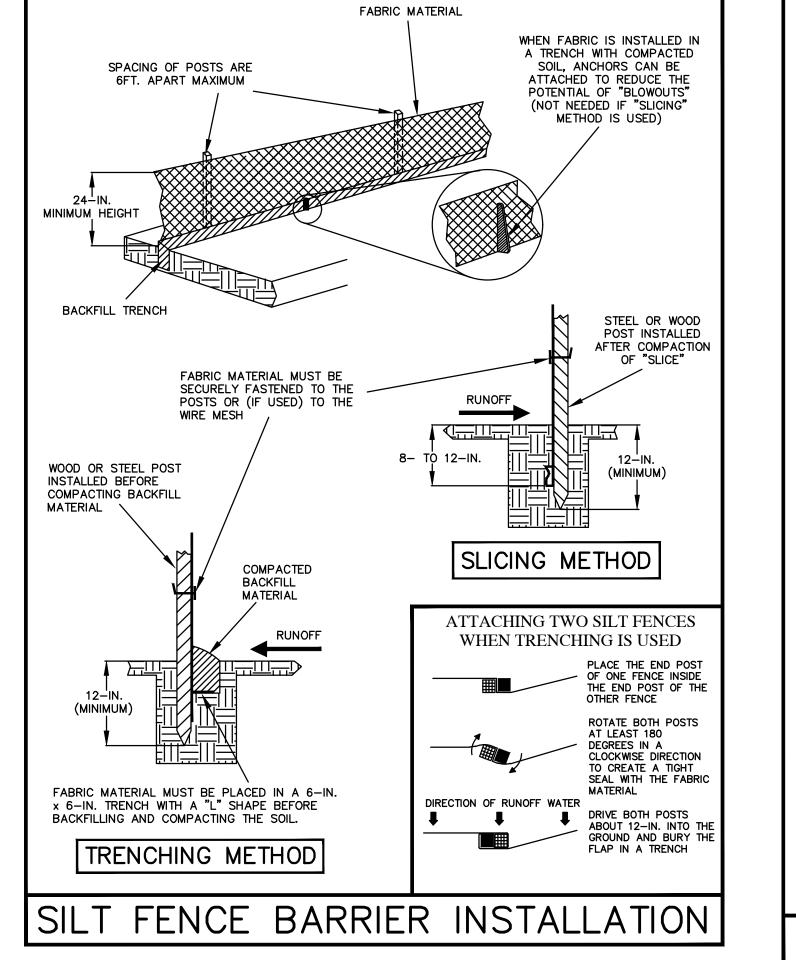


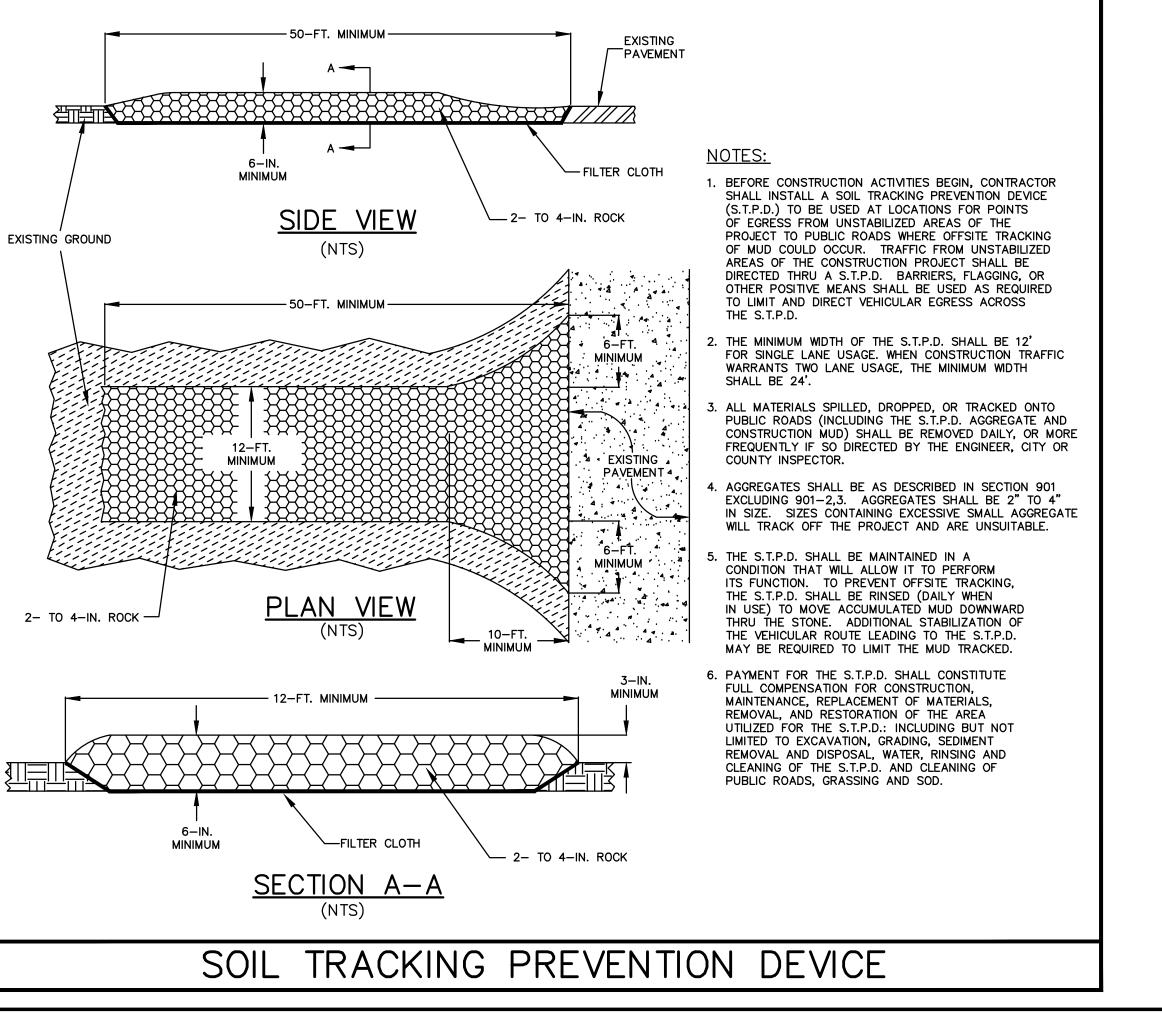
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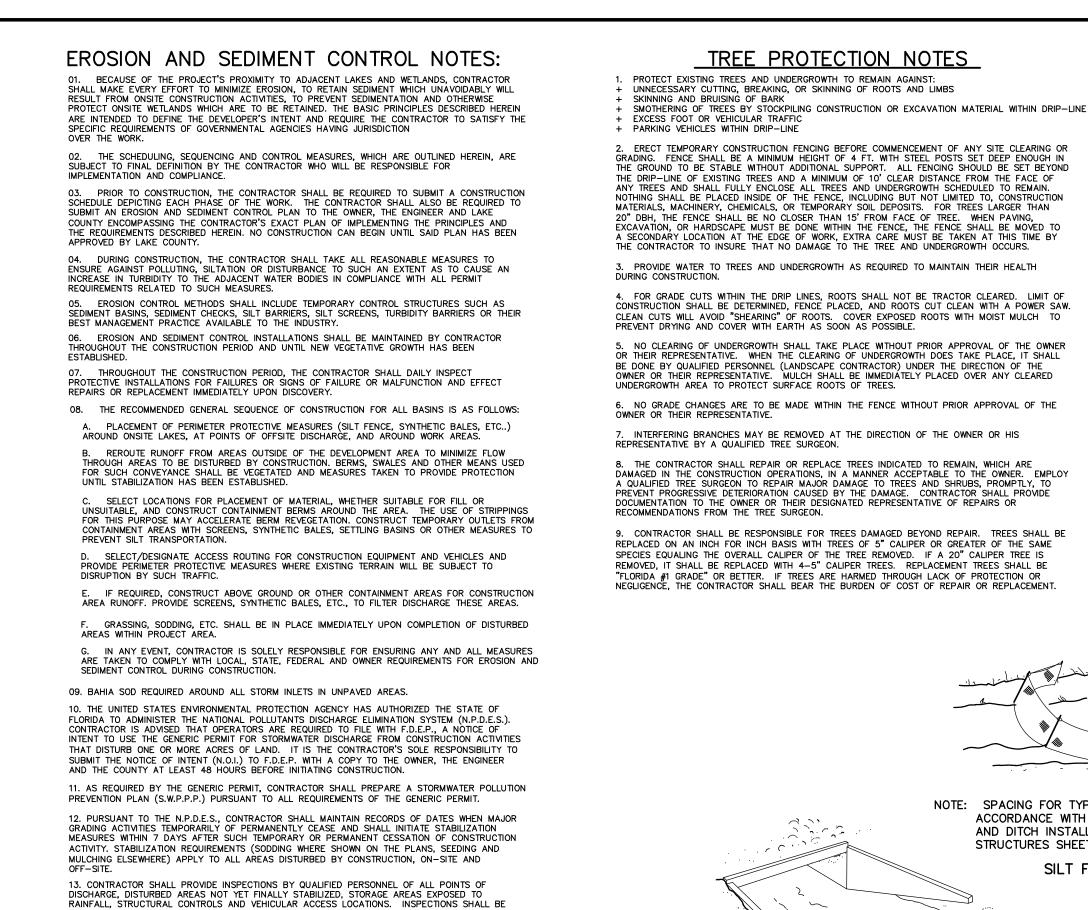
PRUJI SHEE DWG VREF











MADE AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER. 14. CONTRACTOR SHALL MAINTAIN A COPY OF THE S.W.P.P.P. AT THE SITE FROM THE DATE OF

PROJECT INITIATION TO THE DATE OF FINAL STABILIZATION.

15. CONTRACTOR SHALL AMEND THE S.W.P.P.P. WHENEVER THERE IS A CHANGE IN DESIGN, CONTRACTION, OPERATION OF MAINTENANCE THAT MAY HAVE A SIGNIFICANT EFFECT ON THE POTENTIAL FOR OFF-SITE DISCHARGE OF POLLUTANTS, INCLUDING THE ADDITION OF OR CHANGE IN LOCATION OF DISCHARGE POINTS AND REVISION TO CONTROLS WHICH MAY HAVE PROVED TO BE

16. CONTRACTOR SHALL REMAIN RESPONSIBLE FOR OPERATION AND MAINTENANCE OF POLLUTION PROTECTION MEASURES UNTIL CONSTRUCTION HAS BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE CONTRACT PLANS, CERTIFIED AS SUCH BY THE ENGINEER AND ACCEPTED BY THE (CITY/COUNTY), WHETHER OR NOT CONTRACTOR HAS SUBMITTED A NOTICE OF TERMINATION (N.O.T.) TO F.D.E.P.

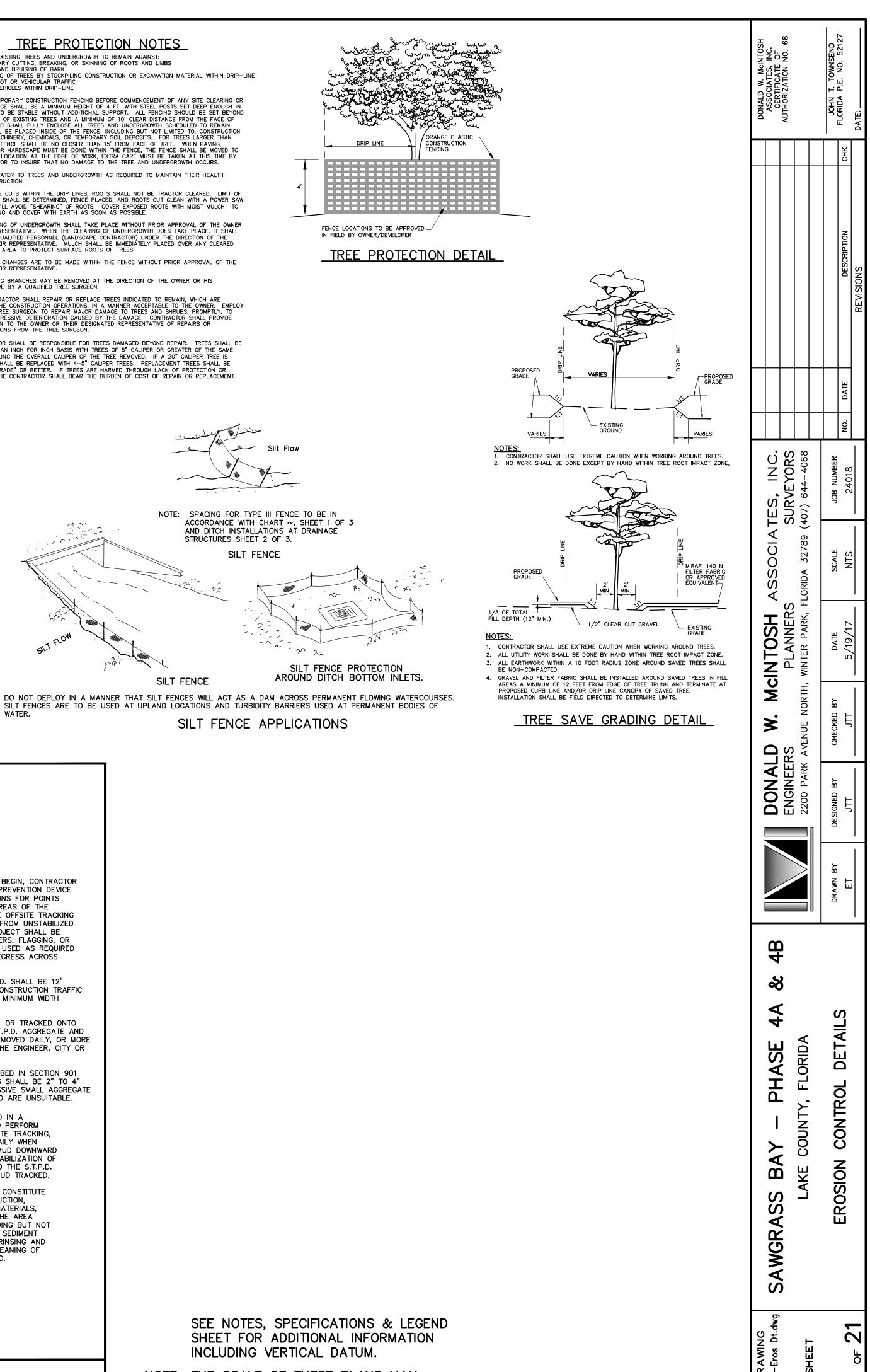
17. IF CONTRACTOR PROPOSES TO DISCHARGE DEWATERING EFFLUENT OFF-SITE, HE SHALL COMPLY WITH FDEP'S "GENERIC PERMIT FOR DISCHARGE OF PRODUCED GROUND WATER FROM ANY NON-CONTAMINATED SITE ACTIVITY". PERMIT REQUIREMENTS CAN BE OBTAINED FROM FDEP AT (407)894-7555 EXT.3985. THIS PERMIT IS INDEPENDENT OF AND IN ADDITION TO WATER MANÁGEMENT DISTRICTS' PERMITS FOR CONSTRUCTION DEWATERING. 18. AT ANY PROJECT CONNECTION TO PUBLIC OR PRIVATE ROADWAYS THAT ARE TO BE USED BY

CONSTRUCTION TRAFFIC. CONTRACTOR SHALL PROVIDE A SOIL TRACKING PREVENTION DEVICE (SEE DETAIL THIS SHEET).

SILT FENCE

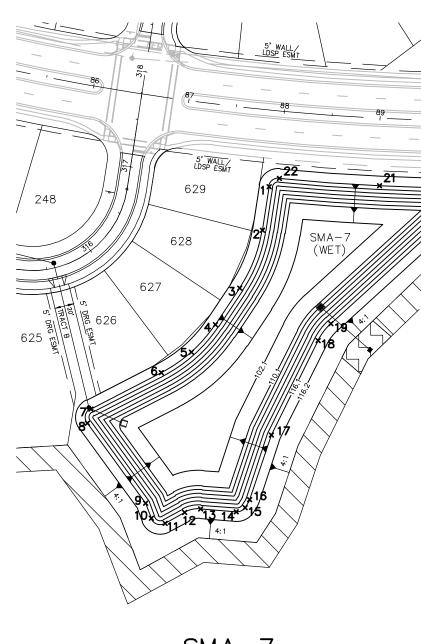
WATER.

NOTE: THE SCALE OF THESE PLANS MAY HAVE CHANGED DUE TO REPRODUCTION.



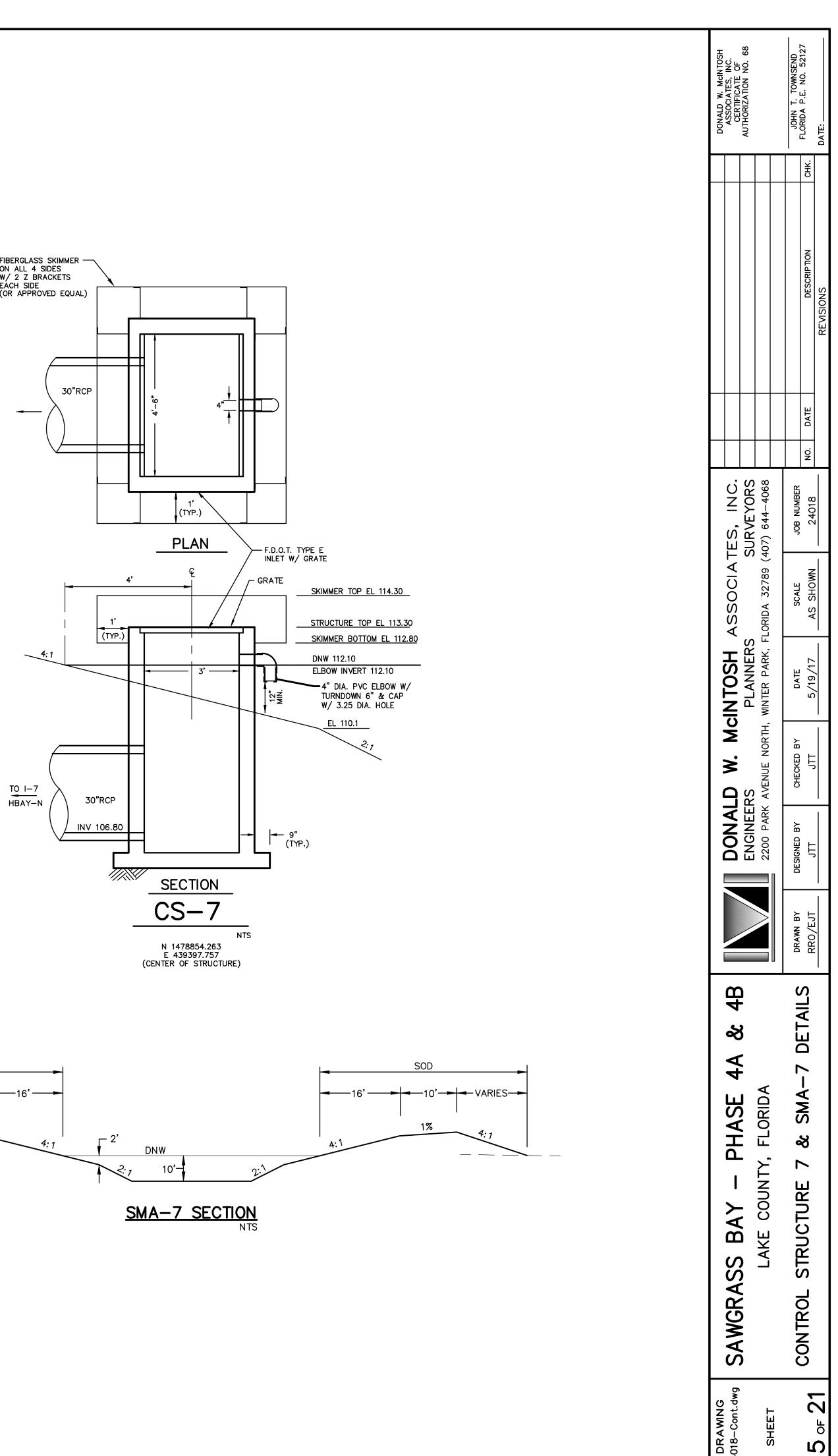


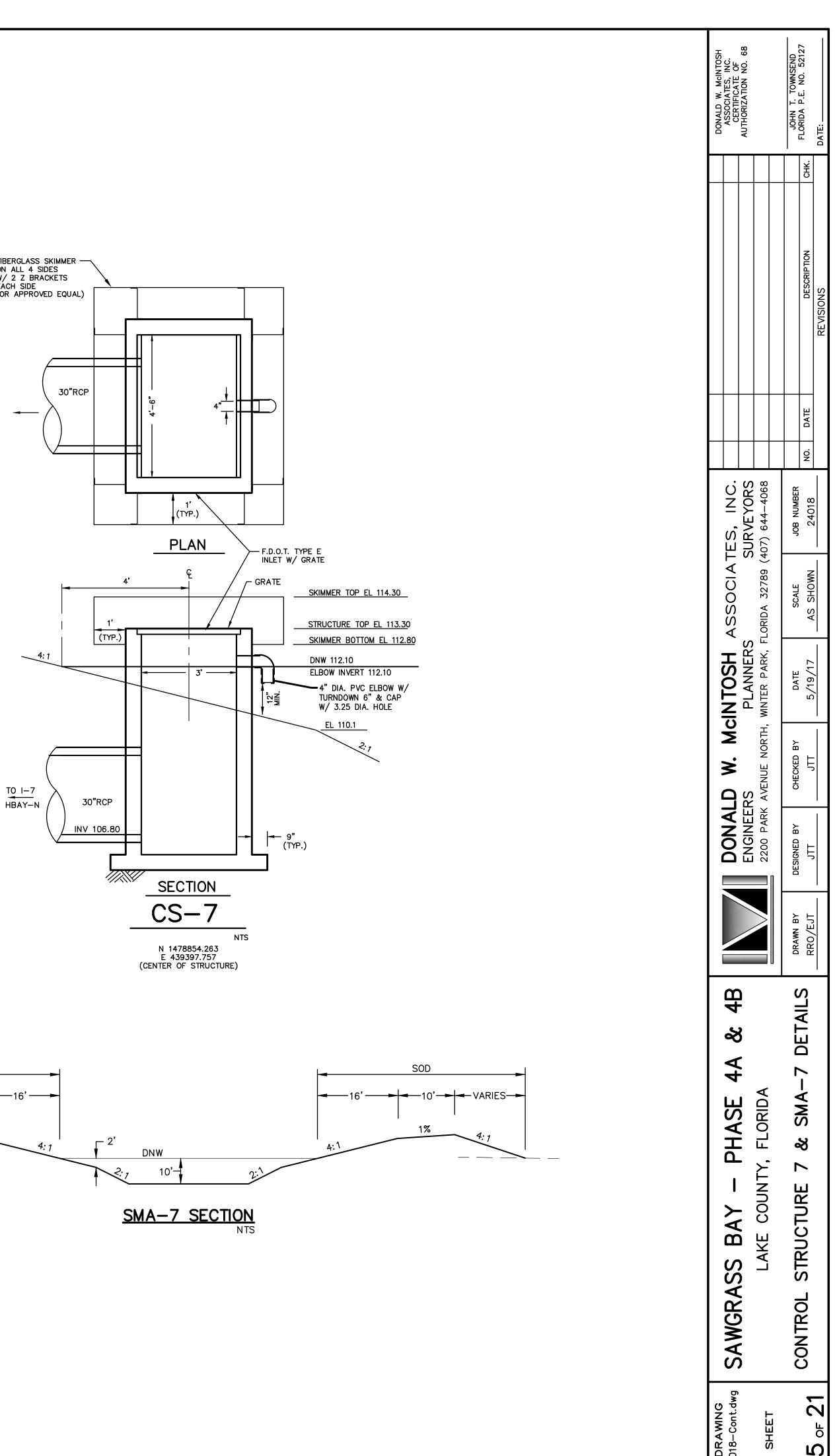
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<u>SMA-7</u> SCALE: 1"=100'

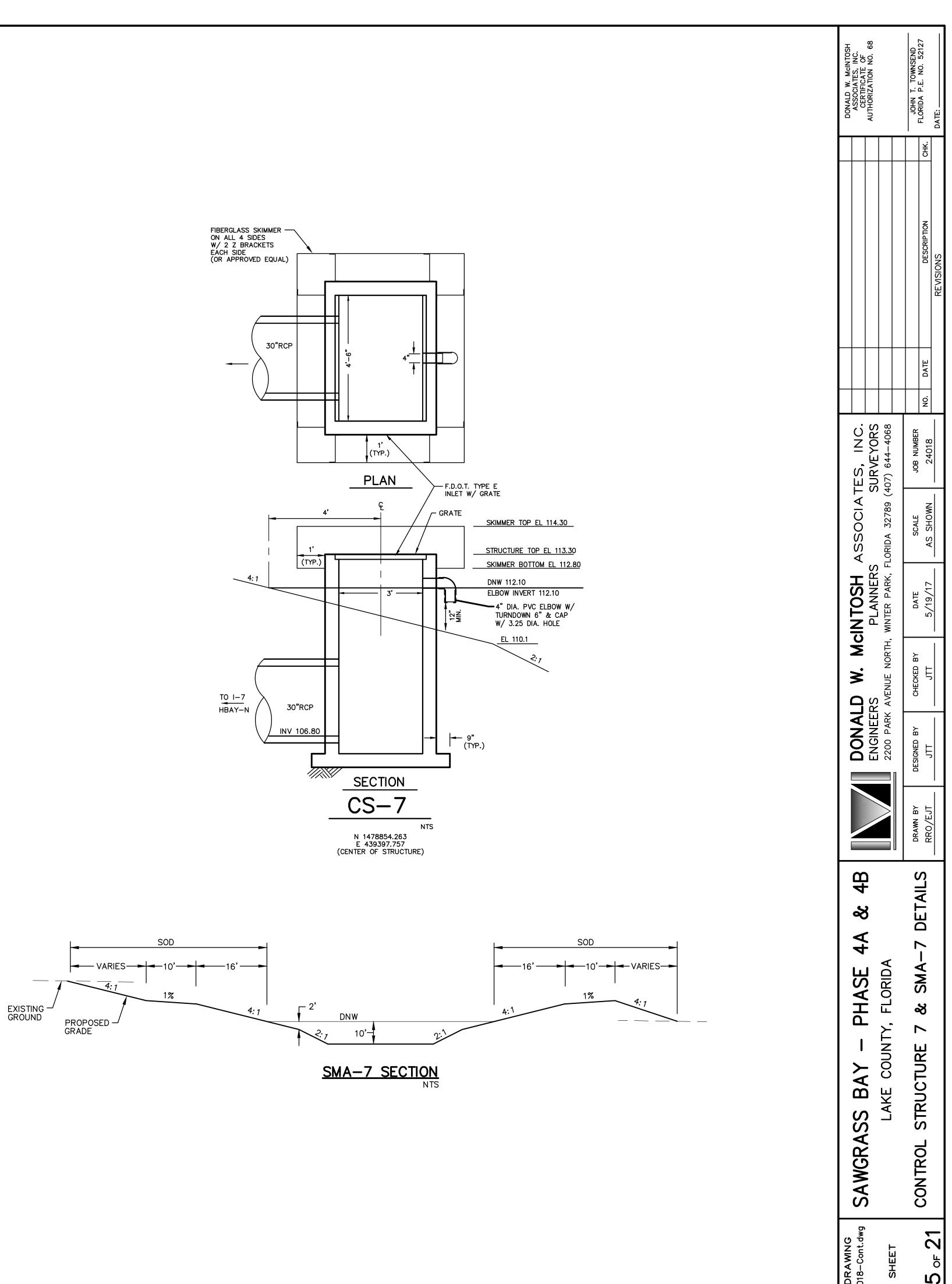
	POINT TABL	E
POINT #	NORTHING	EASTING
1	1478979.729	439344.108
2	1478934.427	439337.111
3	1478874.020	439313.612
4	1478836.042	439288.252
5	1478807.395	439263.347
6	1478785.918	439232.048
7	1478748.171	439158.567
8	1478733.393	439155.050
9	1478649.978	439215.741
10	1478634.295	439221.752
11	1478629.100	439235.887
12	1478640.316	439256.400
13	1478643.902	439273.145
14	1478640.999	439310.032
15	1478645.534	439319.210
16	1478653.581	439324.037
17	1478721.112	439346.433
18	1478819.465	439395.310
19	1478837.125	439408.642
20	1478978.102	439563.443
21	1478980.619	439459.078
22	1478988.155	439354.962

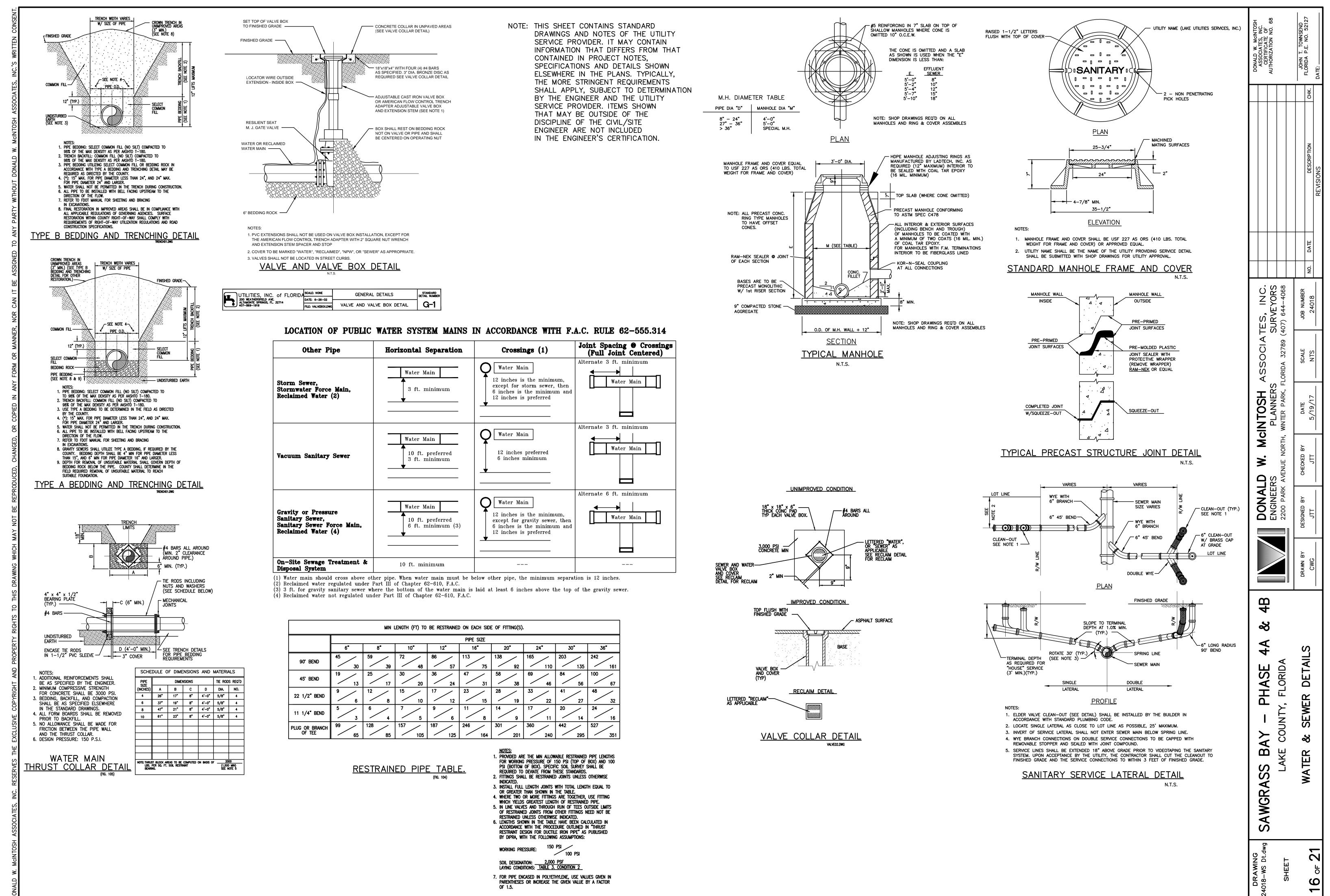




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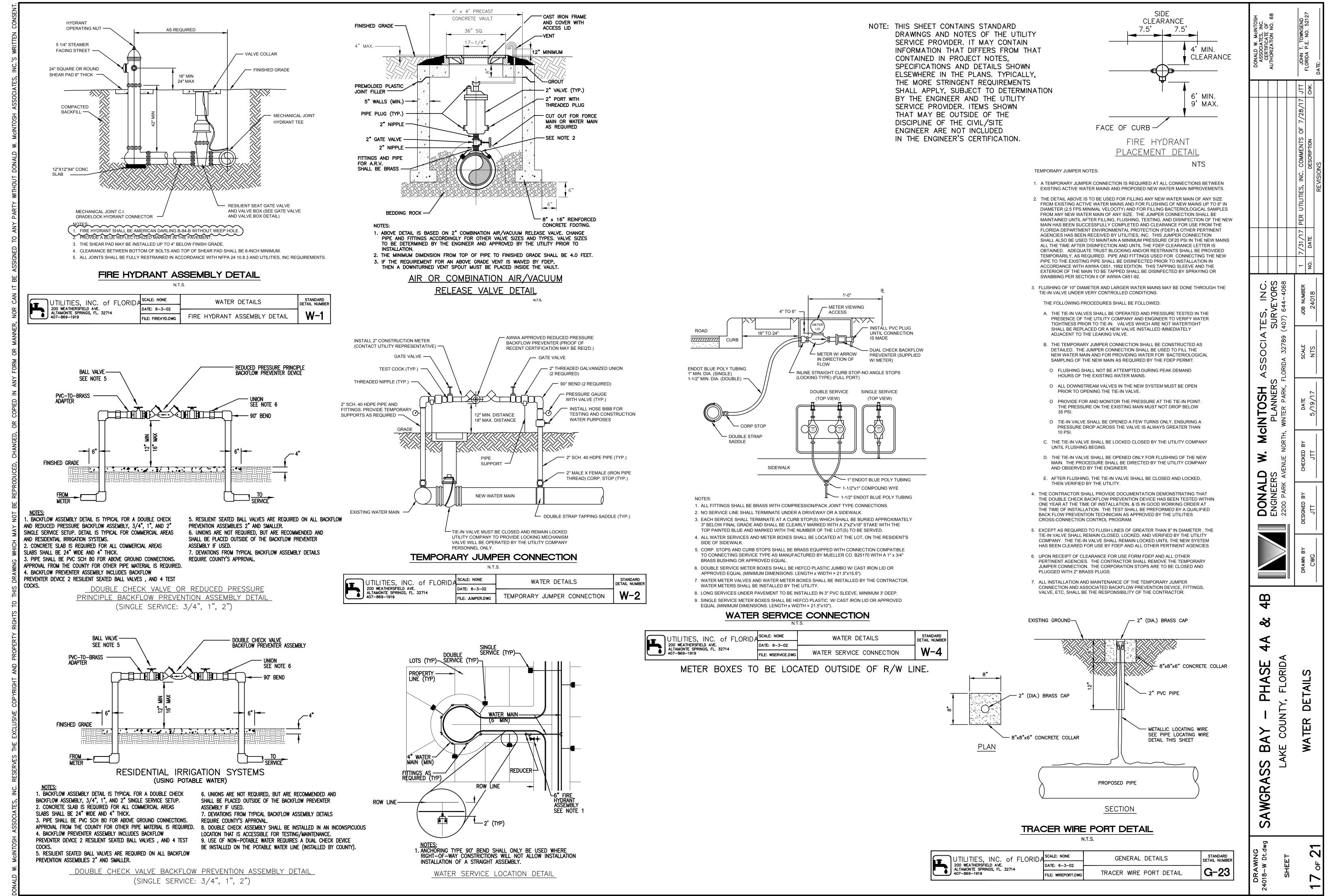
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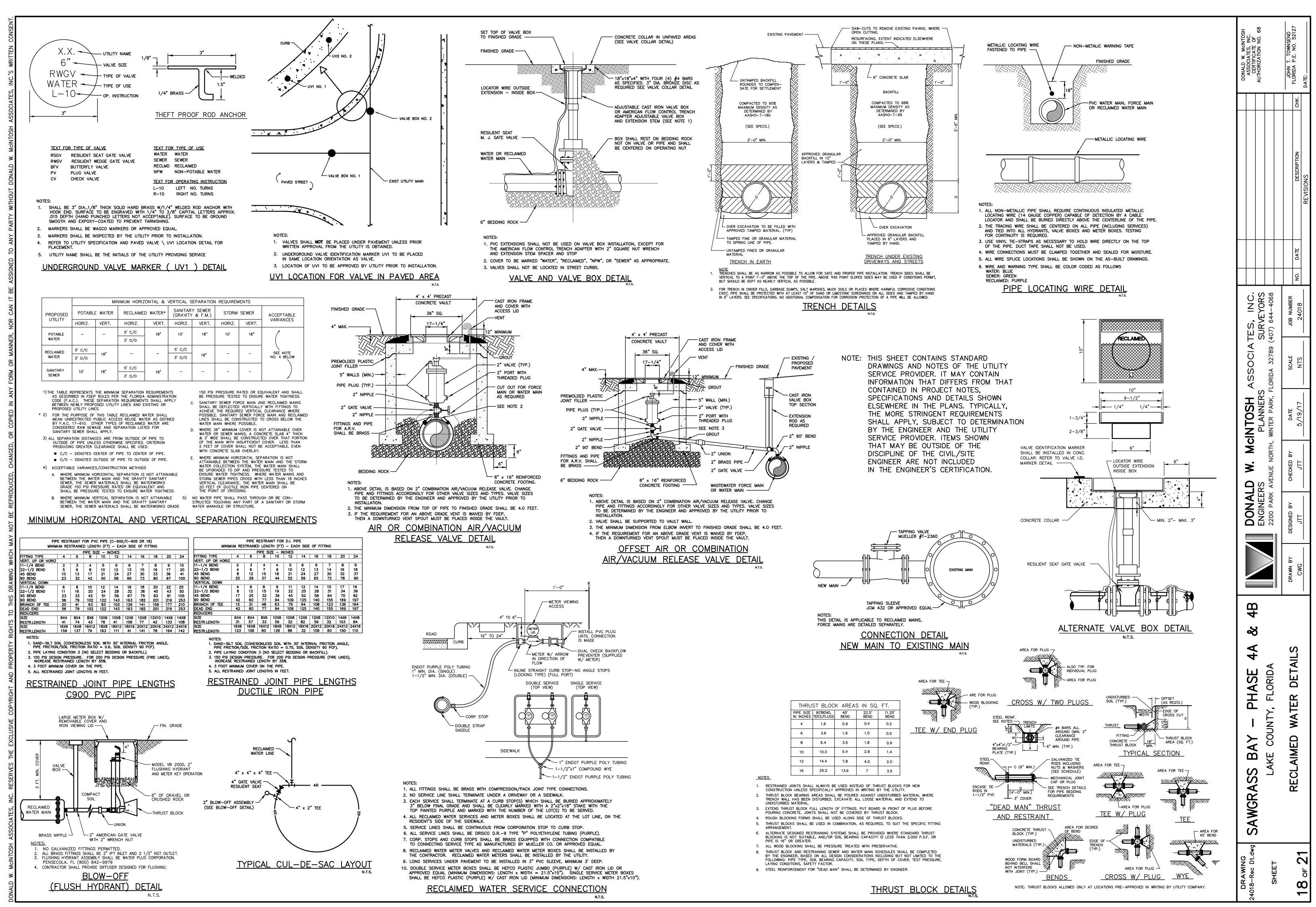


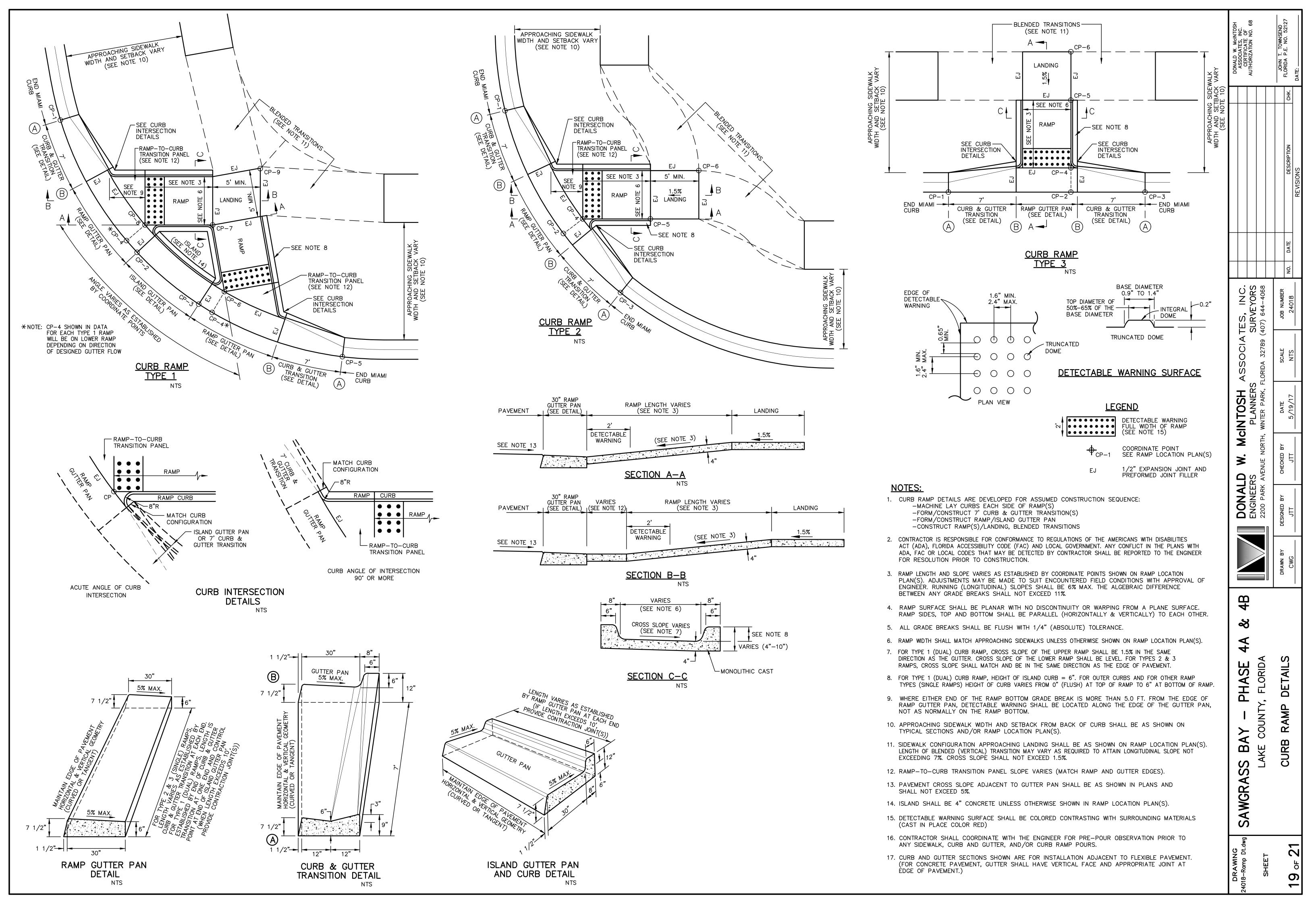


SAWGR, TLE:<u>WM</u> NAME: NAME: PROJE SHEE DWG XREF

C	BE RES	STRAINE) on ea	ACH SIDI	e of fit	ITING(S).	•					
			PIPE	SIZE								
	1:	2"	10	6"	20	0"	24	4"	3	0"	3	5"
	86	/	113	/	138	/	165		203	/	242	/
		57		75		92		110		135		161
	36	/	47	/	58	/	69		84	/	100	/
		24		31		38		46		56		67
	17	/	23	/	28	/	33		41		48	/
		12		15		19		22		27		32
	9	/	11	/	14	/	17		20	/	24	/
		6		8		9		11		14		16
	187	/	246	/	301	/	360		442	/	527	/
		125		164		201		240		295		351

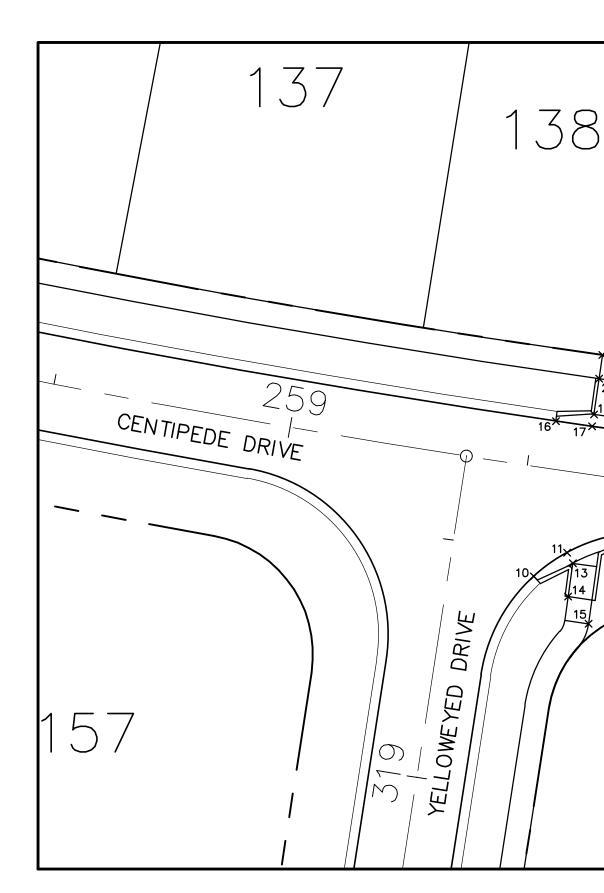






FILE FILE PROJE SHEE DWG XREF





	POINT TABLE	-
POINT #	NORTHING	EASTING
10	1479239.887	439254.993
11	1479244.804	439261.900
12	1479248.855	439274.983
13	1479242.607	439263.092
14	1479235.676	439262.111
15	1479230.024	439266.360
16	1479272.251	439259.541
17	1479271.153	439267.134
18	1479269.397	439279.689
19	1479273.628	439267.487
20	1479281.054	439268.539
21	1479286.004	439269.241

		156			18 [*] 260				
SEE SHEET 19 FOR CURB RAMP DETAILS								I I N	
DRAWING 24018-Ramps.dwg SAWGRASS BAY - PHASE 4A & 4B LAKE COUNTY, FLORIDA	2 4B	ENGINEERS 2200 PARK AVE	D V. MC S AVENUE NORTH,	DONALD V. MCINTOSH ASSOCIA ENGINEERS PLANNERS 2200 PARK AVENUE NORTH, WINTER PARK, FLORIDA 32789		TES, INC. SURVEYORS (407) 644-4068			DONALD W. McINTOSH ASSOCIATES, INC. CERTIFICATE OF AUTHORIZATION NO. 68
20 of 21 CURB RAMP GEOMETRY	DRAWN BY CWG/EJT	DESIGNED BY	CHECKED BY JTT	DATE 5/19/17	scale 1"=20'	JOB NUMBER 24018	NO. DATE	DESCRIPTION	CHK. DATE: TOWNSEND FLORIDA P.E. NO. 52127 DATE: DATE:

