

TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS

MAYOR MICHAEL O'ROURKE
VICE- MAYOR KIMBERLY GLAS-CASTRO
COMMISSIONER ERIN FLAHERTY
COMMISSIONER JOHN LINDEN
COMMISSIONER ROGER MICHAUD



CONTRACT DRAWINGS FOR

STORMWATER IMPROVEMENT PROJECTS DIVISION A 10TH STREET GREEN INFRASTRUCTURE DECEMBER 2019 PRE-LIMINARY 30% DESIGN

30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			

TOWN OF LAKE PARK
DEPARTMENT OF PUBLIC WORKS
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS - DIVISION A
10TH STREET GREEN INFRASTRUCTURE

COVER SHEET
GENERAL

SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	MRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-G001		

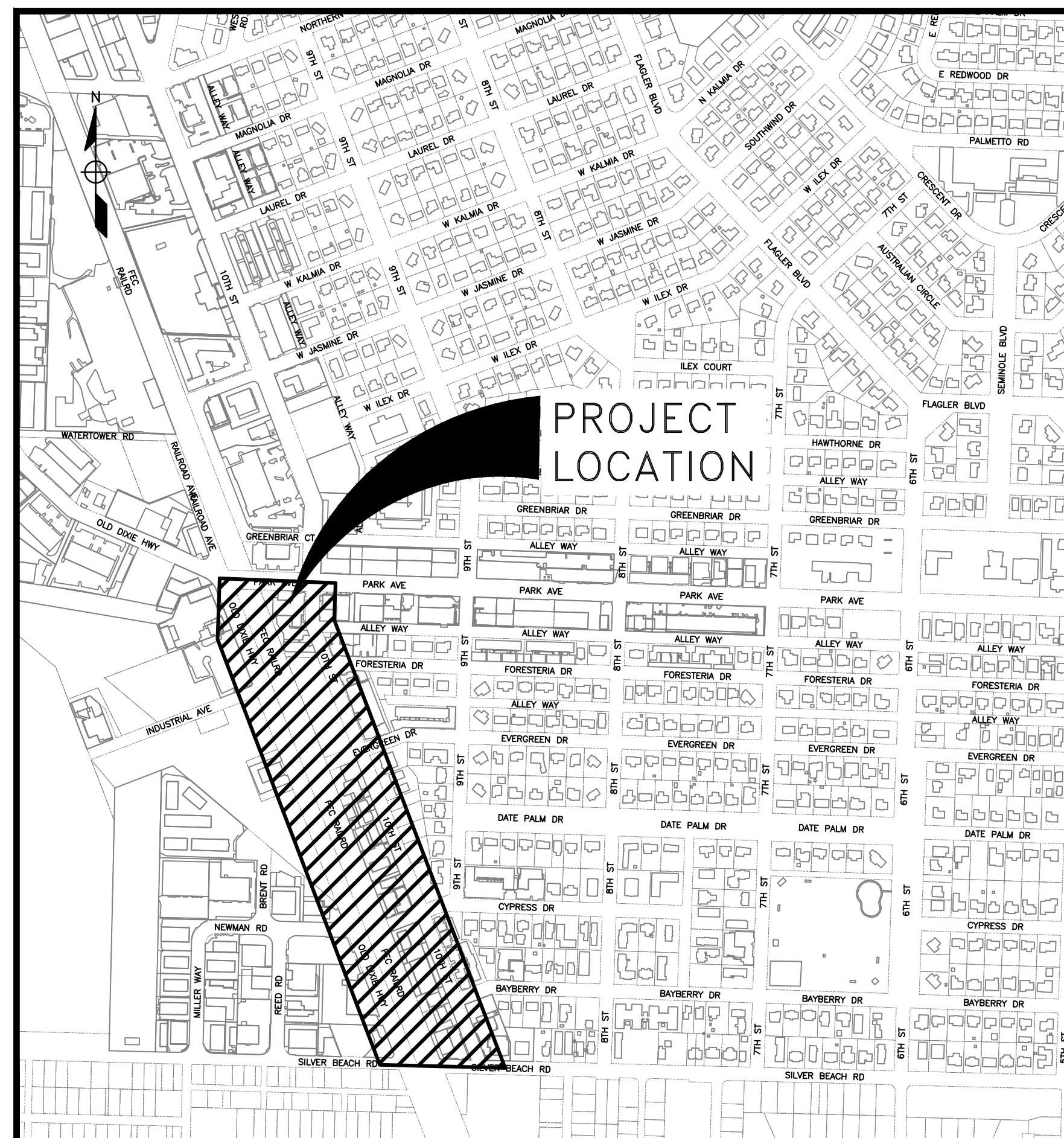
APPROVED:

RICHARD SCHERLE, DIRECTOR, TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS

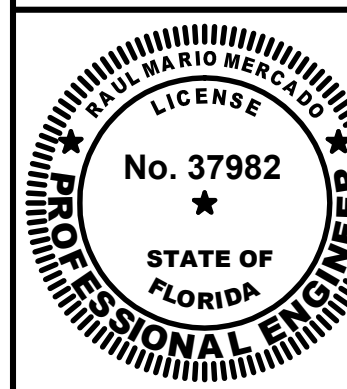
JOHN O. D'AGOSTINO, TOWN MANAGER, TOWN OF LAKE PARK



PROJECT LOCATION



SITE LOCATION MAP
SCALE: 1" = 500'



TOWN OF LAKE PARK
DEPARTMENT OF PUBLIC WORKS
640 OLD DIXIE HWY
LAKE PARK, FL 33403
PHONE: (561) 881-3345
FAX: (561) 881-3349

OWRMA FBPE CA26025
WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
PHONE: 561-529-2075 | FAX: 561-401-9385

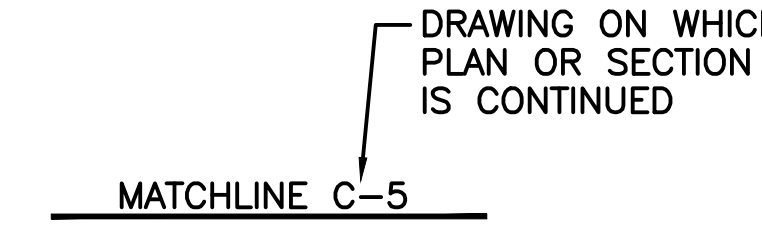
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REDUCTION
VERIFICATION
SCALE

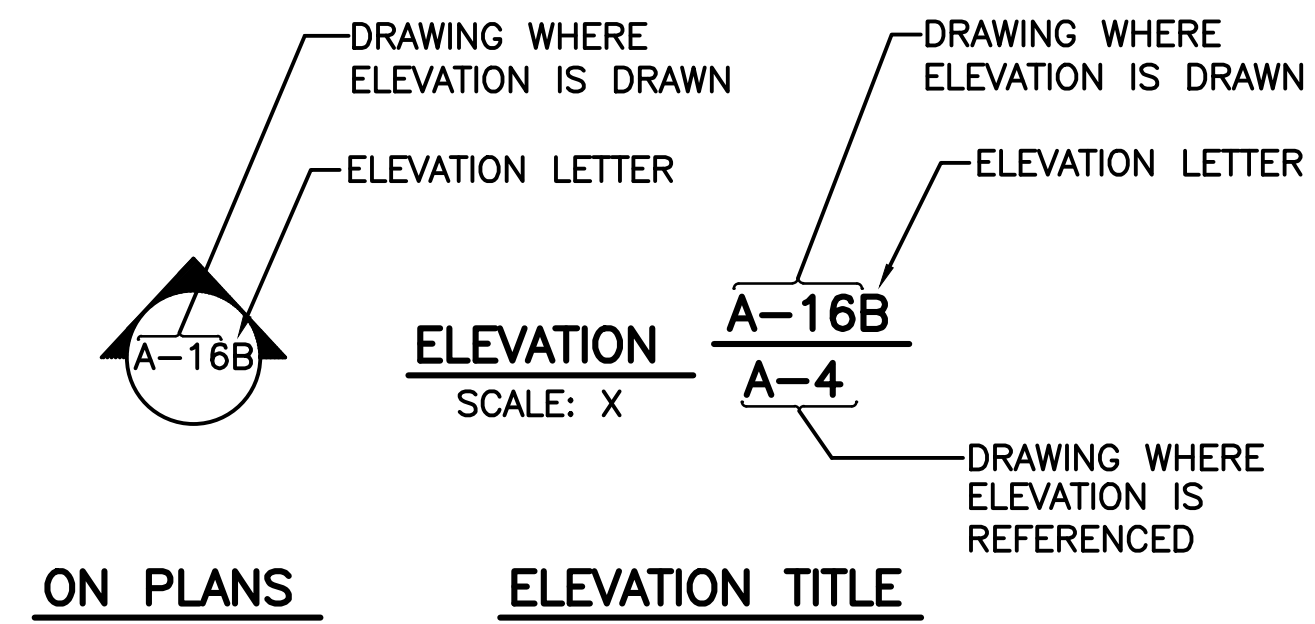
10 INCHES

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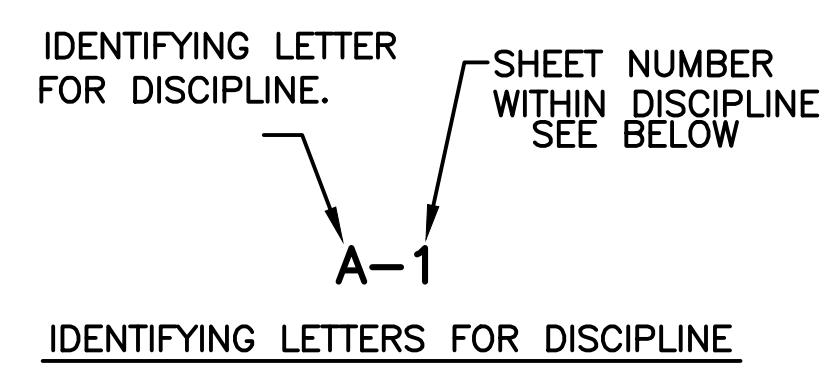
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MATCHLINE SYSTEM

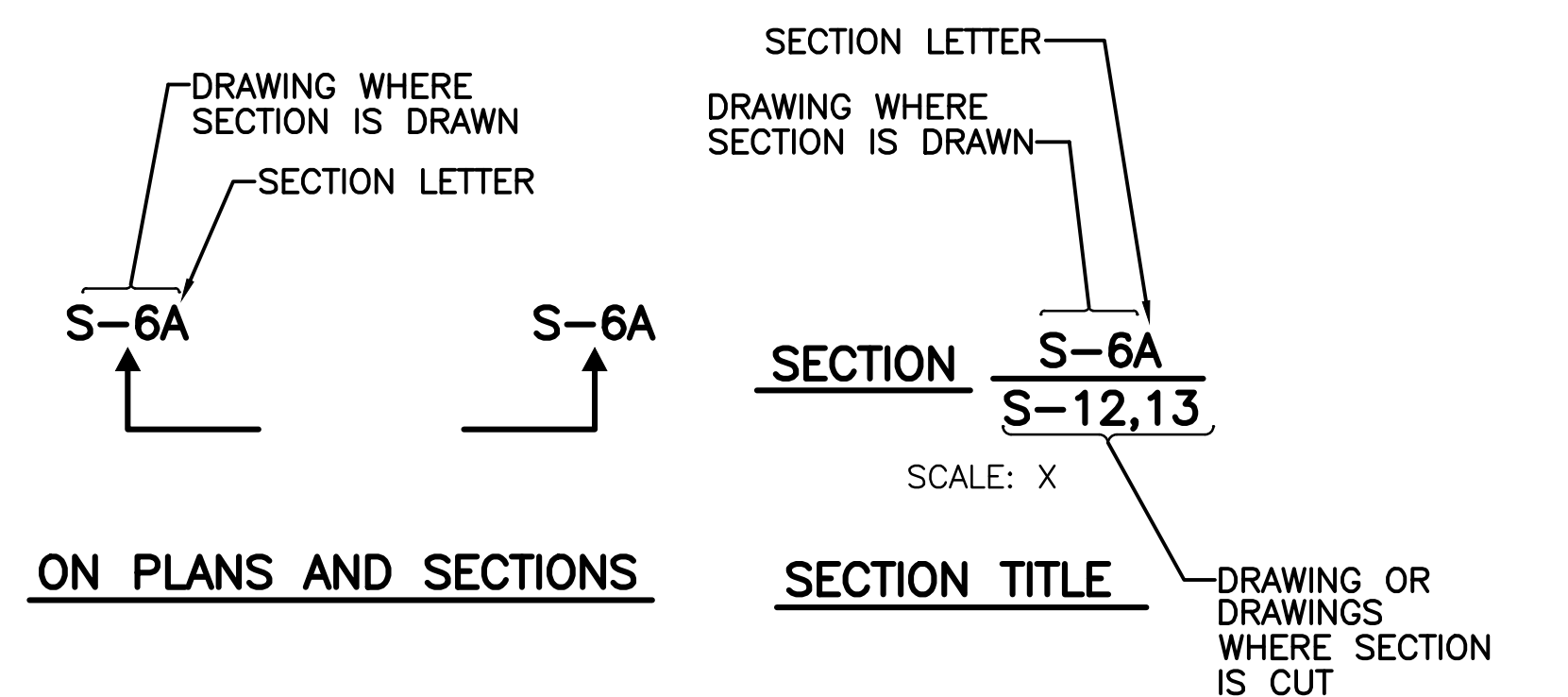


ELEVATION IDENTIFICATION SYSTEM

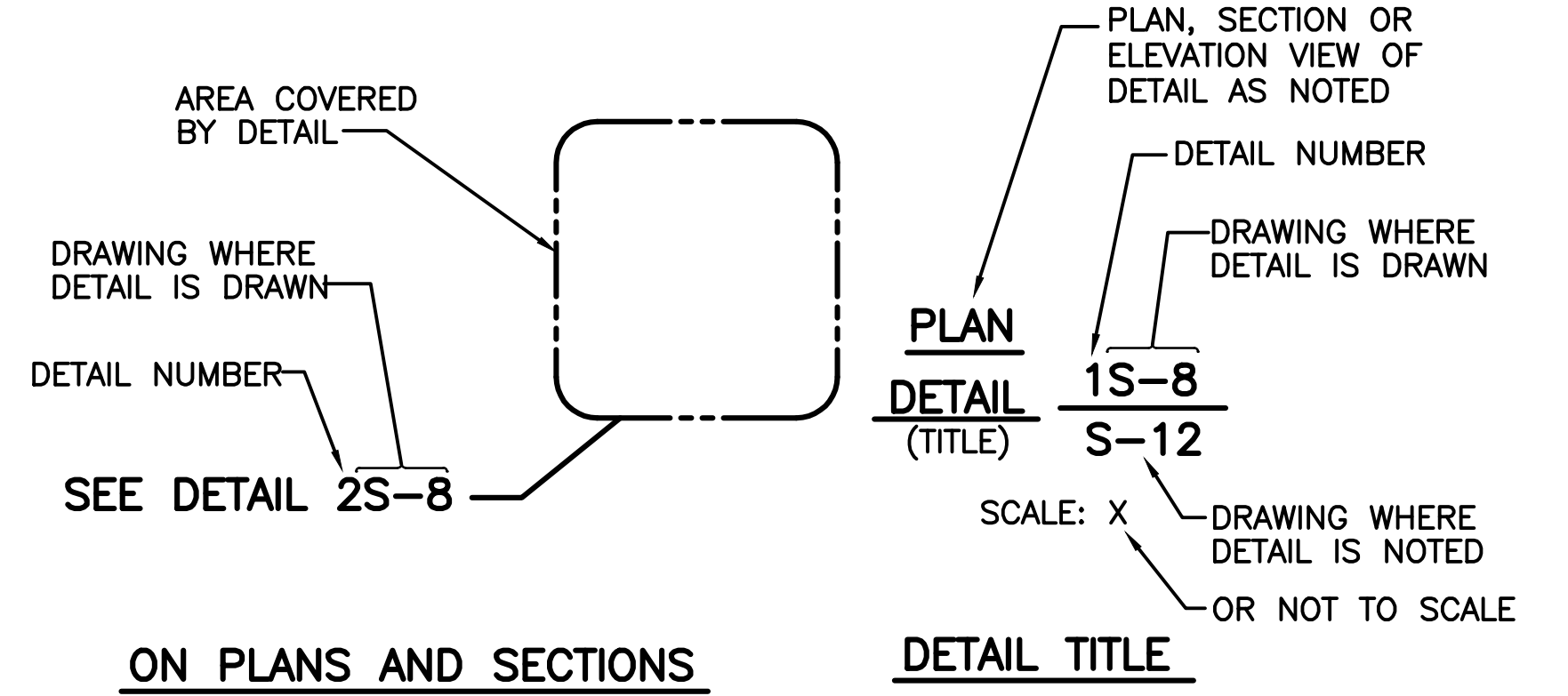


- G - GENERAL
- C - CIVIL
- ES - EROSION AND SEDIMENT CONTROL
- L - LANDSCAPING

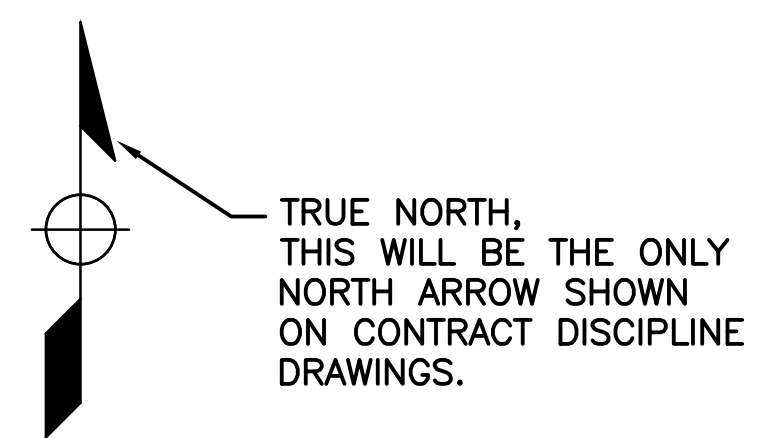
DRAWING NUMBER SYSTEM



SECTION IDENTIFICATION SYSTEM



DETAIL IDENTIFICATION SYSTEM



NORTH ARROW SYSTEM

30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE

REVISIONS

TOWN OF LAKE PARK
DEPARTMENT OF PUBLIC WORKS
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS
GREEN INFRASTRUCTURE PROJECTS - DIVISION A
10TH STREET GREEN INFRASTRUCTURE

INDEX & USER GUIDE

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SURVEYED	WRMA		
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GENERAL NOTES

1. SURVEY INFORMATION DEPICTED ON THESE PLANS WAS OBTAINED BY A FIELD SURVEY PERFORMED IN JANUARY 2018 BY CAULFIELD & WHEELER, INC., A FLORIDA LICENSED SURVEYOR. ELEVATIONS AS SHOWN HEREON REFERENCE THE NORTH AMERICAN VERTICAL DATUM OF 1988 (N.A.V.D. 88), REFERENCE MARTIN COUNTY BENCHMARK, "LF-2", ELEVATION = 26.46' FEET.
2. ALL EXISTING LOCATIONS AND ELEVATIONS SHOWN ON PLANS ARE BASED ON THE BEST AVAILABLE INFORMATION AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. DESIGN ENGINEER ASSUMES NO RESPONSIBILITY FOR INACCURACY.
3. STATION AND OFFSET REFER TO BASELINE OF CONSTRUCTION, UNLESS OTHERWISE NOTED.
4. PRIOR TO BID PREPARATION, THE CONTRACTOR MUST BECOME FAMILIAR WITH THE OVERALL SITE CONDITIONS AND PERFORM ADDITIONAL INVESTIGATIONS AS NECESSARY TO UNDERSTAND THE LIMIT AND DEPTH OF EXPECTED ORGANIC MATERIAL, AND MATERIALS TO BE DISPOSED OF OFFSITE. ANY INCONVENIENCE, DELAY, OR EXPENSE CAUSED TO THE CONTRACTOR DUE TO INADEQUATE INVESTIGATION OF EXISTING CONDITIONS SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
5. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VERIFYING ALL QUANTITIES, TAKEOFF MEASUREMENTS, MATERIALS, ETC., PRIOR TO BID SUBMITTAL. IF A DISCREPANCY OCCURS, THE PHYSICAL PLAN TAKES PRECEDENCE. THE OWNER AND THE DESIGN ENGINEER ARE NOT TO BE HELD RESPONSIBLE FOR DISCREPANCIES IN THE SPECIFICATIONS AND/OR PLANS. ESTIMATED QUANTITIES ARE PROVIDED FOR REFERENCE ONLY.
6. UPON RECEIPT OF NOTICE OF AWARD, THE CONTRACTOR AND SUB-CONTRACTORS SHALL ATTEND A PRE-CONSTRUCTION CONFERENCE TO INCLUDE ALL INVOLVED GOVERNMENTAL AGENCIES, ALL AFFECTED UTILITY OWNERS, THE OWNER, AND THE OWNER REPRESENTATIVE.
7. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A CONSTRUCTION SCHEDULE DEPICTING EACH PHASE OF THE WORK.
8. NO CONSTRUCTION SHALL COMMENCE UNTIL ALL REQUIRED PERMITS AND APPROVALS HAVE BEEN SECURED AND THE CONTRACTOR IS GIVEN THE NOTICE TO PROCEED.
9. CONTRACTOR SHALL VERIFY SURVEY DATA ON THE DRAWINGS PRIOR TO BEGINNING LAYOUT.
10. ANY SITE CONDITIONS DIFFERING 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 OWNER AND ENGINEER IN WRITING. NO CLAIM FOR EXPENSES INCURRED BY THE CONTRACTOR DUE TO DIFFERING SITE CONDITIONS WILL BE ALLOWED IF THE CONTRACTOR FAILS TO PROVIDE THE REQUIRED WRITTEN NOTIFICATION OF SUCH CONDITIONS.
11. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL CONFIRM THE EXACT LOCATIONS AND ELEVATIONS. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE IF OTHER STRUCTURES, UTILITIES, ETC., NOT SHOWN ON THE DRAWINGS, EXIST WITHIN THE AREA OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE AS-BUILT INFORMATION AND WRITTEN NOTIFICATION OF ALL CONFLICTS WITH THE PROPOSED CONSTRUCTION TO THE OWNER'S REPRESENTATIVE.
12. CONTRACTOR IS RESPONSIBLE TO CONTACT ALL UTILITY COMPANIES FOR LOCATIONS OF THEIR EXISTING FACILITIES. IT WILL THEN BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE THESE FACILITIES FOR THE EXACT DEPTH.
13. PRIOR TO THE START OF ANY CONSTRUCTION ACTIVITY, THE CONTRACTOR SHALL ARRANGE FOR ANY NECESSARY RELOCATIONS OF EXISTING UTILITIES WITH THE UTILITY OWNERS. RELOCATIONS SHALL BE DONE IN A TIMELY MANNER TO MINIMIZE IMPACT ON CONSTRUCTION SCHEDULE. ANY DELAY CAUSED BY THE CONTRACTOR SHALL BE INCIDENTAL TO THE CONTRACT AND NO EXTRA COMPENSATION WILL BE ALLOWED.
14. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ARRANGE OR SUPPLY TEMPORARY WATER SERVICE, SANITARY FACILITIES AND ELECTRICITY TO ITS EMPLOYEES AND SUBCONTRACTORS FOR THEIR USE DURING CONSTRUCTION.
15. THE CONTRACTOR SHALL COORDINATE WITH THE OWNER'S REPRESENTATIVE ON THE SELECTION OF PROPOSED CONSTRUCTION STAGING AREAS AND/OR STOCKPILING OF MATERIALS.

16. CONTRACTOR IS RESPONSIBLE TO HAVE ALL PERMITS REQUIRED FOR CONSTRUCTION. IF A DEWATERING PERMIT IS REQUIRED, THEN THE CONTRACTOR MUST SUBMIT A DEWATERING & DRAINAGE PLAN TO SOUTH FLORIDA WATER MANAGEMENT DISTRICT PRIOR TO CONSTRUCTION.
17. CONTACT "SUNSHINE 811, INC." 1-800-432-4770 OR 811, NOT LESS THAN 2 FULL BUSINESS DAYS AND NO MORE THAN 5 BUSINESS DAYS PRIOR TO DIGGING.
18. THE CONTRACTOR SHALL COMPLY WITH THE PROVISIONS OF THE FLORIDA TRENCH SAFETY ACT AND THE UNDERGROUND FACILITY DAMAGE PREVENTION AND SAFETY ACT, CHAPTER 556, FLORIDA STATUTES (FS). OTHER LAWS MAY ALSO APPLY TO EXCAVATION ACTIVITY, SUCH AS: THE FLORIDA TRENCH SAFETY ACT, PART III, CHAPTER 553, FS; THE FLORIDA GAS SAFETY LAW, PART 1, CHAPTER 368, FS; THE FEDERAL PIPELINE SAFETY ACT; AND/OR, O.S.H.A. STANDARD 1926.651.
19. ALL OPEN TRENCHES AND HOLES ADJACENT TO ROADWAYS OR WALKWAYS SHALL BE PROPERLY MARKED AND BARRICADED TO ASSURE THE SAFETY OF BOTH VEHICULAR AND PEDESTRIAN TRAFFIC. NO TRENCHES OR HOLES NEAR WALKWAYS OR IN ROADWAYS OR THEIR SHOULDERS ARE TO BE LEFT OPEN DURING NIGHT TIME HOURS.
20. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR JOBSITE SAFETY AND WARRANTS THAT THIS INTENT IS MADE EVIDENT BY THE AGREEMENT BETWEEN OWNER AND CONTRACTOR. NEITHER THE OWNER NOR ITS REPRESENTATIVE HAVE AUTHORITY TO EXERCISE ANY CONTROL OVER THE CONTRACTOR, ANY SUB-CONTRACTOR OR OTHER ENTITY OR THEIR EMPLOYEES IN CONNECTION WITH THEIR WORK OR ANY JOBSITE HEALTH OR SAFETY PRECAUTIONS.
21. ALL EXISTING OVERHEAD AND UNDERGROUND UTILITIES SHOWN ON THESE DRAWINGS OR ENCOUNTERED THROUGH THE PROGRESSION OF WORK ARE ASSUMED TO BE LIVE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS WHEN WORKING AROUND EXISTING OVERHEAD OR UNDERGROUND UTILITIES.
22. THE CONTRACTOR SHALL ASSUME LIABILITY FOR ANY DAMAGES SUSTAINED OR COST INCURRED BECAUSE OF THE CONTRACTOR'S OPERATIONS IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES. THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE UTILITY COMPANIES WHEN THEIR EXISTING FACILITIES CONFLICT WITH THE CONSTRUCTION.
23. MAINTENANCE OF TRAFFIC SHALL BE IN ACCORDANCE WITH CURRENT FDOT 600 SERIES STANDARDS AND THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES. CONTRACTOR IS TO PROVIDE A MAINTENANCE OF TRAFFIC PLAN TO THE OWNER AND ALL APPLICABLE AGENCIES FOR REVIEW AND APPROVAL PRIOR TO COMMENCEMENT OF WORK.
24. LANE CLOSURES SHALL BE PERMITTED, SUBJECT TO THE OWNER'S APPROVAL, FROM 8:30 AM TO 4:30 PM EACH WEEKDAY. SUCH CLOSURES REQUIRE PROPER APPLICATION OF FDOT INDEX 600-670. ONE TRAVEL LANE MUST BE OPEN AT ALL TIMES. TRAFFIC FLOW MUST BE RESTORED AS SOON AS PRACTICAL FOLLOWING ANY LANE CLOSURE. THE CONTRACTOR'S MAINTENANCE OF TRAFFIC PLAN MUST CLEARLY IDENTIFY THE PROPOSED METHODS OF LANE CLOSURES.
25. CONTRACTOR SHALL MAINTAIN ACCESS TO PRIVATE PROPERTY AT ALL TIMES.
26. ALL SURVEY MONUMENTS WITHIN LIMITS OF CONSTRUCTION ARE TO BE PROTECTED. IF IN DANGER OF DAMAGE THE CONTRACTOR SHALL NOTIFY: NATIONAL GEODETIC INFORMATION SERVICES CENTER NOAA NATIONAL GEODETIC SURVEY, N/CG 17 SSMC 3, STATION 09202 SILVER SPRINGS, MARYLAND 20910 TELEPHONE NO. (301) 713-3242.
27. CONTRACTOR SHALL UTILIZE CONSTRUCTION METHODS AND DEVICES SUCH AS FLOATING TURBIDITY CURTAINS AND SILT FENCES/BARRIERS WHERE NECESSARY IN ORDER TO COMPLY WITH STATE AND LOCAL WATER QUALITY STANDARDS AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) REQUIREMENTS.
28. CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE FLORIDA DEPT OF ENVIRONMENTAL PROTECTION'S (FDEP'S) CONSTRUCTION GENERIC PERMIT (CGP) FOR STORMWATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION SITES.

29. DEWATERING ACTIVITIES SHALL NOT RESULT IN ANY DISCHARGE OF TURBID WATER FROM THE PROJECT SITE. COST OF CONSTRUCTION DEWATERING SHALL BE INCIDENTAL TO THE OTHER ITEMS OF WORK UNDER THE CONTRACT.
30. DURING CONSTRUCTION, THE PROJECT SITE AND ALL ADJACENT AREAS SHALL BE MAINTAINED IN A NEAT AND CLEAN MANNER.
31. THE CONTRACTOR SHALL PROMPTLY REMOVE ALL MUD, DIRT OR OTHER MATERIALS TRACKED OR SPILLED ONTO EXISTING PUBLIC OR PRIVATE ROADS AND FACILITIES DUE TO CONSTRUCTION AND ALL EXCESS FILL FROM THE SITE SHALL BE LEGALLY DISPOSED OF OFF SITE BY THE CONTRACTOR.
32. CONTRACTOR SHALL NOT BRING HAZARDOUS MATERIALS ONTO THE PROJECT SITE. SHOULD SUCH MATERIALS BE REQUIRED TO COMPLETE THE WORK, CONTRACTOR SHALL REQUEST PERMISSION OF THE OWNER IN WRITING. ALL BULK PETROLEUM PRODUCTS STORED ON SITE SHALL BE PROPERLY STORED, INCLUDING SECONDARY CONTAINMENT.
33. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VEGETATION CLEARING, REMOVAL, DISPOSAL, ABANDONMENT, AND RELOCATIONS NECESSARY TO COMPLETE THE WORK WHETHER SHOWN ON THE DRAWINGS OR NOT. CONTRACTOR IS RESPONSIBLE TO OBTAIN A CLEARING PERMIT FROM MARTIN COUNTY.
34. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, LATEST EDITION, AND FDOT DESIGN STANDARDS, LATEST EDITION. ALL FDOT INDEXES ARE INCORPORATED AS PLAN REFERENCES HEREIN. CONTRACTOR IS RESPONSIBLE FOR OBTAINING COMPLETE COPIES OF THE LATEST EDITION OF FDOT INDEXES.
35. ALL UTILITY MODIFICATIONS SHALL COMPLY WITH MARTIN COUNTY MINIMUM DESIGN AND CONSTRUCTION STANDARDS AND DETAILS (AUGUST 2016) WHERE APPLICABLE, AND THE FDEP'S MINIMUM CONSTRUCTION STANDARDS.
36. IF MATERIAL SUSPECTED TO BE CONTAMINATED OR HAZARDOUS IS FOUND ON THE PROJECT OR ENCOUNTERED DURING CONSTRUCTION, CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER.
37. ALL WORK SHALL BE OPEN AND SUBJECT TO INSPECTION BY AUTHORIZED REPRESENTATIVE OF THE OWNER, INVOLVED UTILITY COMPANIES, MARTIN COUNTY AND STATE AGENCIES.
38. THE CONTRACTOR SHALL SCHEDULE INSPECTIONS AND TESTS WITH THE OWNER REPRESENTATIVE A MINIMUM OF 48 HOURS IN ADVANCE.
39. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING THE REQUIRED TESTS IN ACCORDANCE WITH THE APPLICABLE FDOT SPECIFICATION ON ALL ITEMS OF WORK, INCLUDING CONCRETE, ASPHALT, COMPACTION / STABILIZATION OF PIPE BACKFILL, SUBGRADE AND BASE, PAVEMENT CORES, AND OTHER PERTINENT PRODUCTS. ANY TESTS THAT INDICATE A FAILURE IN MEETING SPECIFICATION SHALL BE RE-TESTED ONCE THE CORRECTIVE WORK IS COMPLETED, UNTIL A PASSING TEST IS ACHIEVED. SCHEDULING OF TESTS SHALL BE COORDINATED WITH THE OWNER REPRESENTATIVE. REPORTS OF ALL TEST RESULTS, CERTIFIED BY A FLORIDA REGISTERED PROFESSIONAL GEOTECHNICAL ENGINEER, WHETHER PASSING OR FAILING, SHALL BE PROVIDED TO THE OWNER REPRESENTATIVE ON A WEEKLY BASIS.
40. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPAIR AND RESTORATION OF EXISTING PAVEMENT, PIPES, INLETS, MANHOLES, CONDUITS, CABLES AND LANDSCAPED AREAS, ETC. DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS AND/OR THOSE OF HIS SUBCONTRACTORS, AND SHALL RESTORE THEM PROMPTLY.
41. CONTRACTOR SHALL NOT DISTURB EXISTING MARTIN COUNTY MAINS OR STRUCTURES WITHOUT THE PRESENCE OF A MARTIN COUNTY INSPECTOR. MARTIN COUNTY UTILITY SYSTEM VALVES AND APPURTENANCES MAY ONLY BE OPERATED BY MARTIN COUNTY PERSONNEL.
42. CONTRACTOR SHALL ADJUST ALL UTILITY CASTINGS INCLUDING SANITARY SEWER MANHOLE TOPS, INLETS, VALVE BOXES AND SIMILAR STRUCTURES AS REQUIRED TO MEET FINAL GRADES.

43. ELEVATIONS OF GRASS AREAS ARE GIVEN AT FINISHED SOD GRADE. GRADING OF THESE AREAS SHALL ACCOMMODATE SOD HEIGHT TO ACHIEVE PROPOSED FINISH GRADES.
44. ALL PROPOSED GRADES SHOWN ARE FINISHED GRADES, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL SLOPE FINISHED GRADES UNIFORMLY BETWEEN OTHER FINISHED AND EXISTING GRADES.
45. GRADING FROM PROPOSED TO EXISTING CONDITIONS SHALL NOT BE STEEPER THAN 4H: 1V NOR FLATTER THAN 20H: 1V.
46. EXISTING MAILBOXES TEMPORARILY REMOVED DUE TO CONSTRUCTION ACTIVITIES, SHALL BE REINSTALLED BY THE CONTRACTOR.
47. EXISTING TRAFFIC SIGNS TO BE RESET PER FDOT AND MUTCD STANDARDS.
48. THE CONTRACTOR SHALL RESTORE OR REPLACE, WHEN AND AS DIRECTED BY THE OWNER REPRESENTATIVE OR THE OWNER, ANY PUBLIC OR PRIVATE PROPERTY DAMAGED BY ITS WORK, EQUIPMENT, EMPLOYEES OR THOSE OF ITS SUBCONTRACTORS TO A CONDITION AT LEAST EQUAL TO THAT EXISTING IMMEDIATELY PRIOR TO THE BEGINNING OF OPERATIONS. TO THIS END, THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ROADWAY OR DRIVEWAY, WALK AND LANDSCAPING WORK. SUITABLE MATERIALS AND METHODS SHALL BE USED FOR SUCH RESTORATION.
49. CONTRACTOR SHALL RESTORE ALL AREAS AND VEGETATION DISTURBED BY THE CONTRACTOR'S ACTIVITIES INSIDE AND OUTSIDE OF THE LIMITS OF CONSTRUCTION INVOLVING CONSTRUCTION, STAGING AREAS, AND ACCESS ROADS IN KIND. ALL AREAS INSIDE OF THE LIMITS OF CONSTRUCTION AND ALL DISTURBED NON-PAVED AREAS SHALL BE SODDED UNLESS OTHERWISE NOTED.

50. UPON FINAL CLEAN UP, THE PROJECT SITE SHALL BE LEFT CLEAR OF ALL SURPLUS MATERIAL OR TRASH. THE PAVED AREAS SHALL BE SWEEPED BROOM CLEAN.
51. WARRANTY: ALL MATERIAL AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR SHALL BE WARRANTED FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF AGAINST DEFECTIVE MATERIALS, AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE COUNTY AND/OR CLIENT OF FAILURE OF ANY PART OF THE WARRANTED EQUIPMENT OR MATERIALS DURING THE WARRANTY PERIOD, THE AFFECTED PART, PARTS OR MATERIALS SHALL BE PROMPTLY REPLACED BY THE CONTRACTOR WITH NEW PARTS OF MATERIALS AT NO EXPENSE TO THE COUNTY AND/OR CLIENT. IN THE EVENT THE CONTRACTOR FAILS TO MAKE THE NECESSARY REPLACEMENT OF REPAIRS IMMEDIATELY AFTER NOTIFICATION, THE COUNTY AND/OR CLIENT MAY ACCOMPLISH THE WORK AT THE EXPENSE OF THE CONTRACTOR.

30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE

REVISIONS

TOWN OF LAKE PARK
DEPARTMENT OF PUBLIC WORKS

TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS
GREEN INFRASTRUCTURE PROJECTS - DIVISION A
10TH STREET GREEN INFRASTRUCTURE

GENERAL NOTES

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PHONE: 561-529-2075 | FAX: 561-401-9385

REDUCTION
VERIFICATION
SCALE

10 INCHES

ABBREVIATIONS

NOT ALL ABBREVIATIONS ARE USED UNDER THIS CONTRACT.

AASHTO	AMERICAN ASSOCIATION OF STATE HIGHWAY TRANSPORTATION OFFICIALS	G.V.	GAS VALVE	RCPP	REINFORCED CONCRETE PRESSURE PIPE
ABAND	ABANDONED	H.B.	HANDBOX	R.Q.D.	ROCK QUALITY DESIGNATION
ADT	AVERAGE DAILY TRAFFIC	HDPE	HIGH DENSITY POLYETHYLENE	R.M.	ROOTMAT
AHD	AHEAD	HDWL.	HEADWALL	S	SOUTH
APPROX.	APPROXIMATE	HERCP	HORIZONTAL ELLIPTICAL REINFORCED CONCRETE PIPE	SAN.	SANITARY SEWER
$\frac{B}{L}$ or $\frac{B}{L}$	BASELINE	HORZ	HORIZONTAL	SB or S/B	SOUTHBOUND
BK	BACK / BOOK	HP	HIGH POINT	S.D.	STORM DRAIN
BIT.	BITUMINOUS	IN	INCH	S.D.D.	SURFACE DRAIN DITCH
B.C.	BITUMINOUS CONCRETE	INV	INVERT	S/E	SUPER ELEVATION
BLDG	BUILDING	IRC	INDIAN RIVER COUNTY	SF	SILT FENCE
B.M.	BENCH MARK	I.S.T.	INLET SEDIMENT TRAP	S.F.	SQUARE FEET
BOT.	BOTTOM	J.B.	JUNCTION BOX	SFWM	SOUTH FL WATER MANAGEMENT DISTRICT
BOP	BOTTOM OF PIPE	JT	JOINT	SHT.	SHEET
C.C.	CENTER OF CURVE	K	K INLET	SLC	ST. LUCIE COUNTY
CAP	CORRUGATED ALUMINUM PIPE	L	LENGTH	SMH	SEWER MANHOLE
CAPA	CORRUGATED ALUMINUM PIPE ARCH	LF	LINEAR FEET	SMRU	SOUTH MARTIN REGIONAL UTILITY
CATV	CABLE TELEVISION	L.L.	LIQUID LIMIT	STMH	STORM SEWER MANHOLE
CB	CATCH BASIN	LP	LOW POINT	SPP	STRUCTURAL STEEL PLATE PIPE
C.B.R.	CALIFORNIA BEARING RATIO	L.P.	LIGHT POLE	SPPA	STRUCTURAL STEEL PLATE PIPE ARCH
CI	CAST IRON	LT.	LEFT	S.P.T.	STANDARD PENETRATION TESTING
$\frac{C}{L}$ or $\frac{C}{L}$	CENTERLINE	MAC.	MACADAM	SRP	STEEL SPIRAL RIB PIPE - ALUMINIZED TYPE 2
CL.	CLASS	MAX.	MAXIMUM	SRPA	STEEL SPIRAL RIB PIPE ARCH - ALUMINIZED TYPE 2
CLF	CHAINLINK FENCE	MCUSWD	MARTIN COUNTY	S.S.	STAINLESS STEEL
CMP	CORRUGATED METAL PIPE	M.C.	MARTIN COUNTY UTILITIES AND SOLID WASTE DEPT.	SSD	STOPPING SIGHT DISTANCE
CMU	CONCRETE MASONRY UNIT	M.D.D.	MAXIMUM DRY CONTENT	SSF	SUPER SILT FENCE
C.O.	CLEANOUT	MECH	MECHANICAL	ST	STAIR
COG	CURB ON GRADE	MFR	MANUFACTURER	STD.	STANDARD
COMB.	COMBINATION	MH	MANHOLE	STA.	STATION
CONC.	CONCRETE	MIN.	MINIMUM	SO.	SINGLE OPENING
CONN	CONNECTION	MJ	MECHANICAL JOINT	SY	SQUARE YARDS
CONSTR.	CONSTRUCTION	MOD.	MODIFIED	SWM	STORMWATER MANAGEMENT
CONT	CONTINUATION	MP	MULTI-PURPOSE	T&B	TOP AND BOTTOM
COORD	COORDINATE	N	NORTH	T/	TOP OF
COR.	CORNER	NB	NORTHBOUND	T	TANGENT
CORR.	CORRECTION	NE	NORTHEAST	T	TELEPHONE
COS	CURB ON SAG	NEC	NATIONAL ELECTRIC CODE	TEMP	TEMPORARY
CSTU	CITY OF STUART	NEUT.	NEUTRAL	T.C.	TOP OF COVER
CPSL	CITY OF PORT ST. LUCIE	N.I.C.	NOT IN CONTRACT	T.G.	TOP OF GRATE
CPP-S	CORRUGATED POLYETHYLENE PIPE - TYPE 'S'	N.P.	NON-PLASTIC	T or TL	TRAVERSE LINE
CSP	CORRUGATED STEEL PIPE - ALUMINIZED TYPE 2	N.T.S.	NOT TO SCALE	T.M.	TOP OF MANHOLE
CSPA	CORRUGATED STEEL PIPE ARCH - ALUMINIZED TYPE 2	O.C.	ON CENTER	TOC	TOP OF CONCRETE
CS	COMBINED SEWER	OHE	OVERHEAD ELECTRIC	TOP	TOP OF PIPE
CSO	COMBINED SEWER OUTFALL	OL	OVERLOAD	TOW	TOP OF WALL
CVB	CITY OF VERO BEACH	OPNG	OPENING	TRAV.	TRAVERSE
CW	CITY WATER	PAV'T.	PAVEMENT	TS	TEMPORARY SWALE
DC	DEGREE OF CURVE	PBC	PALM BEACH COUNTY	T.S.	TOP OF SLAB
DEMO	DEMOLISH/DEMOLITION	PC	POINT OF CURVATURE	T.S.	TOPSOIL
D.H.V.	DESIGN HOURLY VOLUME	PCC	POINT OF COMPOUND CURVATURE	TTP	TELEPHONE TERMINATION PANEL
D.I.	DROP INLET	P/C	POINT OF CROWN	TYP.	TYPICAL
DIA.	DIAMETER	P/GE	PROFILE GRADE ELEVATION	U.D.	UNDER DRAIN
DMH	DRAIN MANHOLE	P.G.E.	PROFILE GROUND ELEVATION	U.G.	UNDERGROUND
DN	DOWN	P.G.L.	PROFILE GRADE LINE	U.P.	UTILITY POLE
D.O.	DOUBLE OPENING	P/GL	PROFILE GROUND LINE	USA	UNITED STATES OF AMERICA
DR	DRAIN	P/R	POINT OF ROTATION	USACOE	UNITED STATES ARMY C.O.E.
DWG	DRAWING(S)	PH	PHASE	USS	UNIT SUBSTATION
E	EAST	PH-()	PHONE CONDUIT W/DESIGNATION	V	VAULT
E or ELEC	ELECTRIC	P.I.	PLASTICITY INDEX	VCL	VERTICAL CLEARANCE
E	EXTERNAL DISTANCE	PI	POINT OF INTERSECTION	V.C.L.	VERTICAL CURVE LENGTH
EA	EACH	POC	POINT ON CURVE	VCP	VITRIFIED CLAY PIPE
EB	EASTBOUND	POT	POINT ON TANGENT	W	WATER
EFF or EFL	EFFLUENT	PPWP	POLYVINYL CHLORIDE PROFILE WALL PIPE	W/	WITH
EL or ELEV	ELEVATION	PROP	PROPOSED	W	WEST
EMH	ELECTRICAL MANHOLE	PRC	POINT OF REVERSE CURVE	WB	WESTBOUND
EQUIP	EQUIPMENT	PT	POINT	WB	WETLAND BUFFER
ES	END SECTION	PT	POINT OF TANGENCY	W.M.	WATER METER
EX or EXIST	EXISTING	PVC	POINT OF VERTICAL CURVE	WMH	WATER MANHOLE
EXP	EXPANSION	PVC	POLYVINYL CHLORIDE	WPP	WATER POWER POLE
EXPJT	EXPANSION JOINT	PVI	POINT OF VERTICAL INTERSECTION	WS	WATER SERVICE
EV	ELECTRICAL VAULT	PVRC	POINT OF VERTICAL REVERSE CURVE	WUS	WATERS OF THE UNITED STATES
FDEP	FL DEPARTMENT OF ENVIRONMENTAL PROTECTION	PVT	POINT OF VERTICAL TANGENCY	WV	WATER VALVE
FDOT	FL DEPARTMENT OF TRANSPORTATION	R or RAD	RADIUS		
FT	FEET	REINF	REINFORCING		
F or FL	FLOWLINE	REQ'D	REQUIRED		
F.B.D.	FLAT BOTTOM DITCH	R.F.	ROCK FRAGMENTS		
F.H.	FIRE HYDRANT	RT	RIGHT		
FM	FORCE MAIN	RW or R/W	RIGHT OF WAY		
FWC	FL FISH AND WILDLIFE CONSERVATION COMMISSION	RCP	REINFORCED CONCRETE PIPE		
FWD.	FORWARD				
G	GAS				
GAL	GALLON				
GRD	GROUND				
GS	GRAVITY SEWER				

LEGEND

PROPOSED	EXISTING
WATER	WATER
GAS	GAS
GAS ABANDONED	GAS ABANDONED
UNDERGROUND ELECTRIC	UNDERGROUND ELECTRIC
OVERHEAD ELECTRIC	OVERHEAD ELECTRIC
IRRIGATION	IRRIGATION
STORMWATER	STORMWATER
SANITARY GRAVITY SEWER	SANITARY GRAVITY SEWER
SANITARY FORCE MAIN	SANITARY FORCE MAIN
FUEL LINE	FUEL LINE
PUMP LINE	PUMP LINE
UNDERGROUND TELEPHONE	UNDERGROUND TELEPHONE
OVERHEAD TELEPHONE	OVERHEAD TELEPHONE
UNDERGROUND TELEPHONE	UNDERGROUND TELEPHONE
UNDERGROUND COMMUNICATION	UNDERGROUND COMMUNICATION
UNDERGROUND FIBER OPTICS	UNDERGROUND FIBER OPTICS
TOP OF BANK	TOP OF BANK
TOE OF BANK	TOE OF BANK
LANDSCAPE BUFFER SETBACK	LANDSCAPE BUFFER SETBACK
FENCE	FENCE
TURBIDITY CURTAIN	TURBIDITY CURTAIN
SILT FENCE	SILT FENCE
UNDER DRAIN SOLID	UNDER DRAIN SOLID
UNDER DRAIN PERFORATED	UNDER DRAIN PERFORATED
PROPOSED SPOT ELEVATION	EXISTING SPOT ELEVATION
PROPOSED CURB AND GUTTER ELEVATION (TOP AND BOTTOM OF CURB)	CATCH BASIN
STORMWATER CATCH BASIN	STORMWATER MANHOLE/ DRAIN BASIN
STORMWATER MANHOLE/ DRAIN BASIN	ELECTRICAL MANHOLE
ELECTRICAL MANHOLE	SANITARY MANHOLE
SANITARY MANHOLE	TELECOMMUNICATIONS MANHOLE
TELECOMMUNICATIONS MANHOLE	WATERMAIN ACCESS MANHOLE
WATERMAIN ACCESS MANHOLE	LIGHT POLE
LIGHT POLE	WATER METER
WATER METER	WATER VALVE
WATER VALVE	SPRINKLER HEAD
SPRINKLER HEAD	EXISTING CONCRETE
PROPOSED DEMOLITION AREA	EXISTING PRESERVATION AREA
PROPOSED FULL DEPTH ASPHALT PAVEMENT	
PROPOSED CONCRETE	
PROPOSED TURF RE-ESTABLISHMENT	

30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE

REVISIONS

TOWN OF LAKE PARK
DEPARTMENT OF PUBLIC WORKS

TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS
GREEN INFRASTRUCTURE PROJECTS - DIVISION A
10TH STREET GREEN INFRASTRUCTURE

LEGEND AND ABBREVIATIONS

SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-G004		

TOWN OF LAKE PARK
DEPARTMENT OF PUBLIC WORKS
640 OLD DIXIE HWY
LAKE PARK, FL 33403
PHONE: (561) 881-3345
FAX: (561) 881-3349





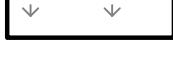

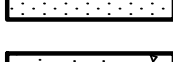
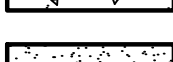
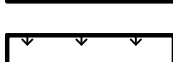

OWRMA FBPE CA26025
WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
PHONE: 561-529-2075 | FAX: 561-401-9385

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GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
2. LOCATIONS OF EXISTING STORMWATER PIPES, MANHOLES AND CATCH BASINS ARE SHOWN AS APPROXIMATE. FIELD LOCATE WHERE NECESSARY.
3. LOCATIONS OF EXISTING BURIED UTILITIES ARE SHOWN AS APPROXIMATE. CONTRACTOR SHALL PERFORM FIELD LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO START OF CLEARING AND DEMOLITION OF EXISTING STRUCTURES OR PAVEMENT. CALL SUNSHINE 811 48 HOURS PRIOR TO MOBILIZATION OR EXCAVATION ON SITE.
4. ACCESS EXISTING DRAINAGE AND UTILITY EASEMENTS AS NECESSARY FOR ACCESS TO STORMWATER AND UTILITIES LINES.
5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

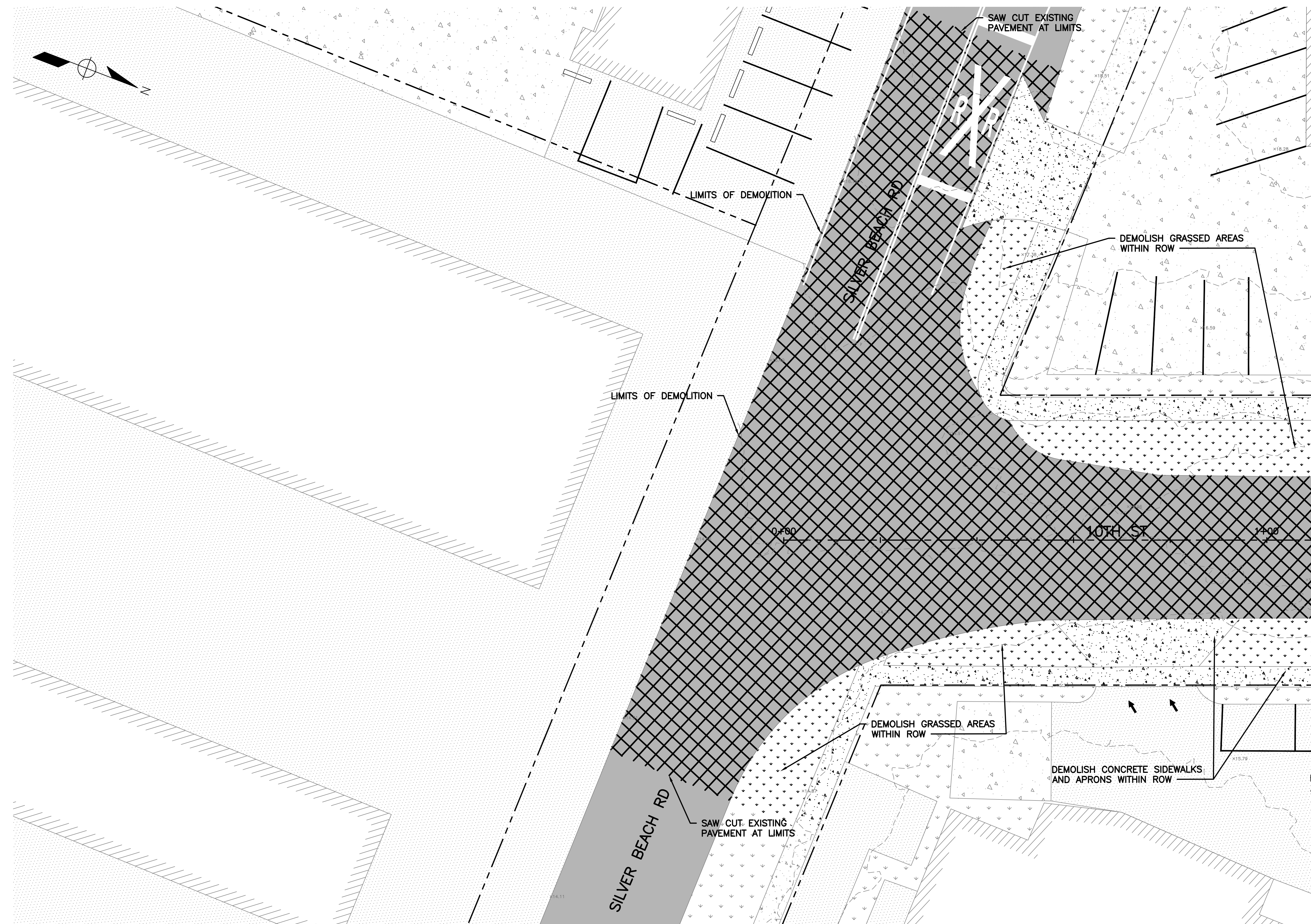
-  EXISTING ROADWAY ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. LIMITS OF MILL AND RESURFACE
-  DEMOLISH ASPHALT PAVEMENT
-  DEMOLISH CONCRETE PAVEMENT
-  DEMOLISH GRAVEL ROAD
-  DEMOLISH GRASSED AREA



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30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
EXISTING SITE AND DEMOLITION PLAN SHEET 1			
CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C001		

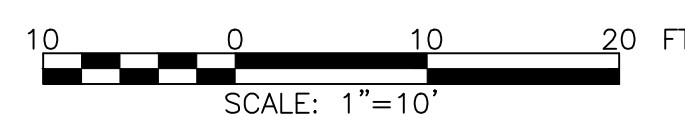


EXISTING SITE PLAN AND DEMOLITION PLAN - SHEET 1

SCALE: 1" = 10'

TOWN OF LAKE PARK
DEPARTMENT OF PUBLIC WORKS
640 OLD DIXIE HWY
LAKE PARK, FL 33403
PHONE: (561) 881-3345
FAX: (561) 881-3349

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250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
PHONE: 561-529-2075 | FAX: 561-401-9385







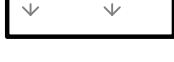

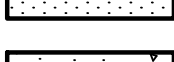
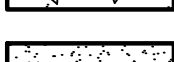
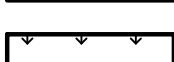

REDUCTION VERIFICATION SCALE

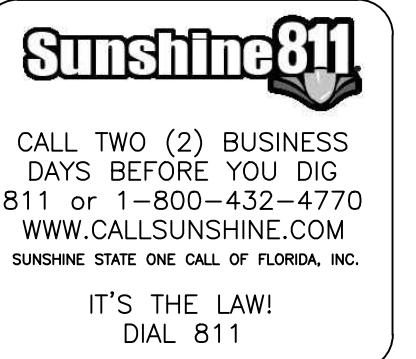
10 INCHES

GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
2. LOCATIONS OF EXISTING STORMWATER PIPES, MANHOLES AND CATCH BASINS ARE SHOWN AS APPROXIMATE. FIELD LOCATE WHERE NECESSARY.
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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

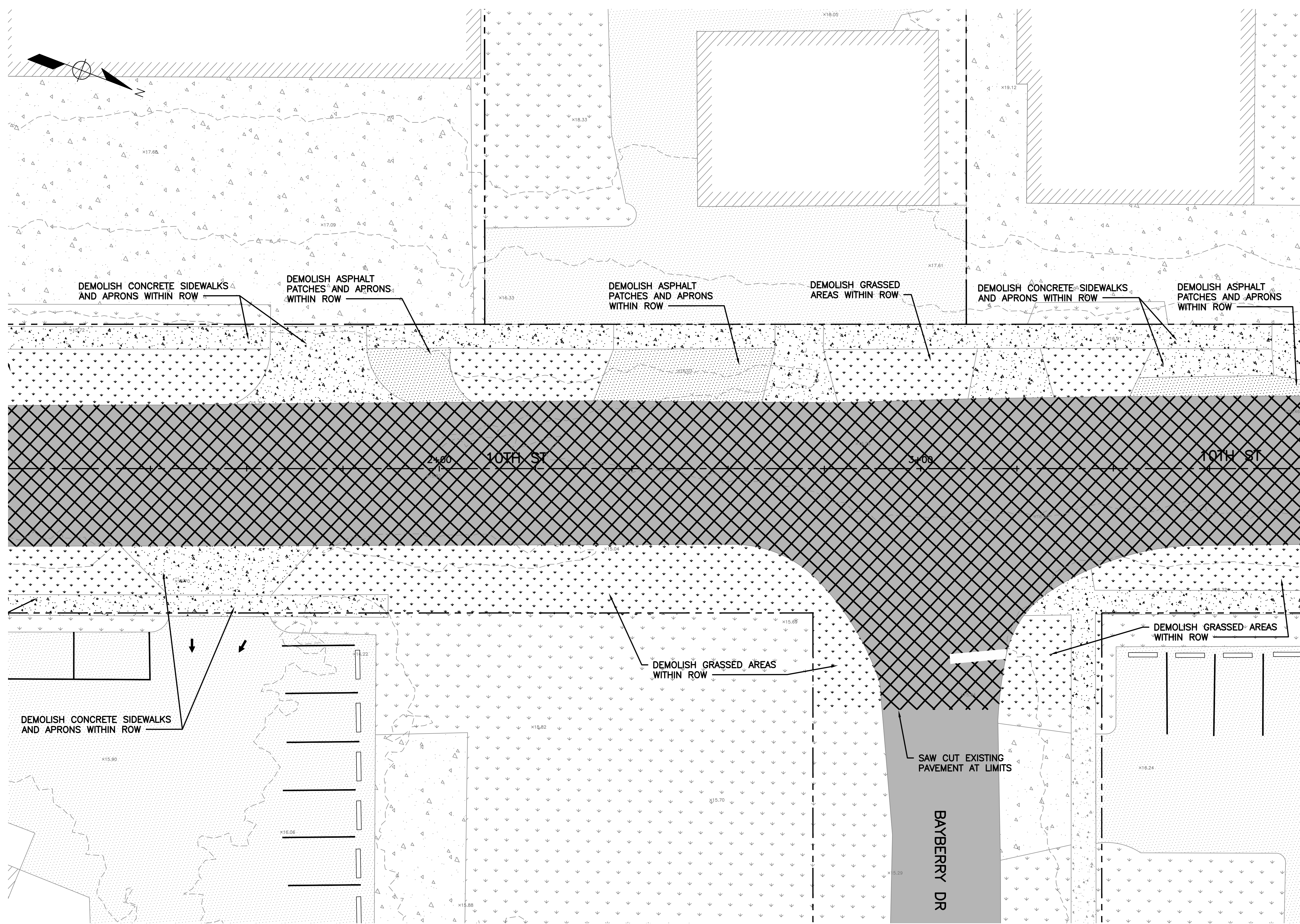
LEGEND:

-  EXISTING ROADWAY ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. LIMITS OF MILL AND RESURFACE
-  DEMOLISH ASPHALT PAVEMENT
-  DEMOLISH CONCRETE PAVEMENT
-  DEMOLISH GRAVEL ROAD
-  DEMOLISH GRASSED AREA




30 PERCENT DESIGN

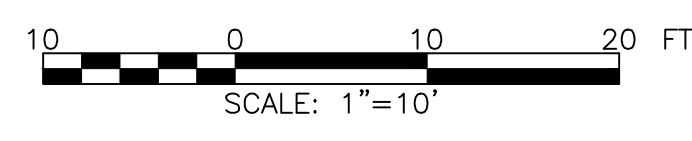
NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
EXISTING SITE AND DEMOLITION PLAN SHEET II			
CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C002		



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640 OLD DIXIE HWY
LAKE PARK, FL 33403
PHONE: (561) 881-3345
FAX: (561) 881-3349



WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
PHONE: 561-529-2075 | FAX: 561-401-9385












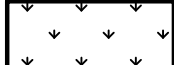
EXISTING SITE AND DEMOLITION PLAN - SHEET II
SCALE: 1" = 10'

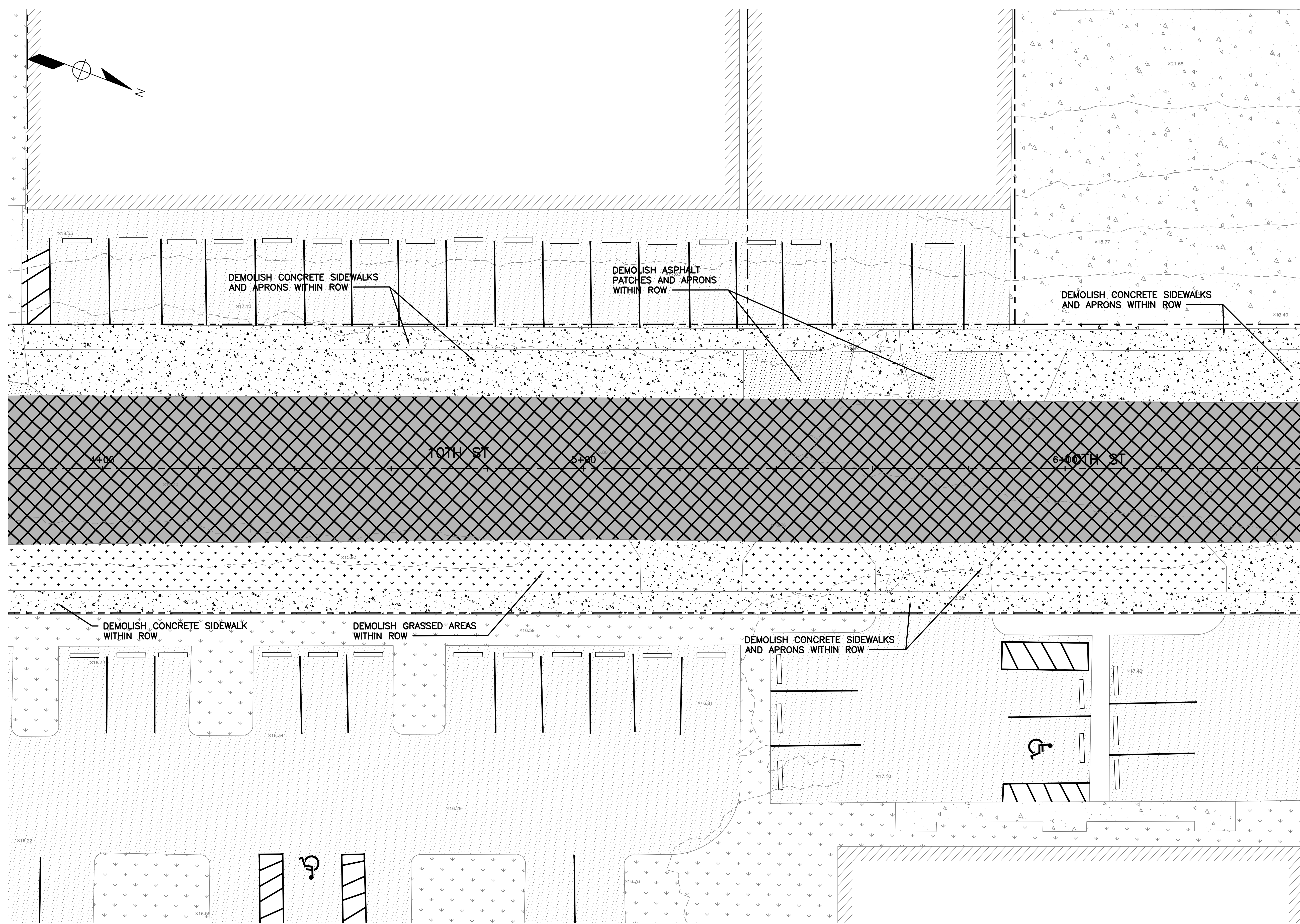
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GENERAL NOTES:

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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

-  EXISTING ROADWAY ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. LIMITS OF MILL AND RESURFACE
-  DEMOLISH ASPHALT PAVEMENT
-  DEMOLISH CONCRETE PAVEMENT
-  DEMOLISH GRAVEL ROAD
-  DEMOLISH GRASSED AREA



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REVISIONS			

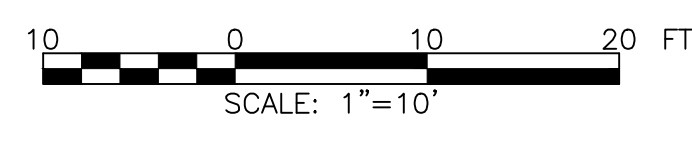
TOWN OF LAKE PARK
 DEPARTMENT OF PUBLIC WORKS
 TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS
 GREEN INFRASTRUCTURE PROJECTS - DIVISION A
 10TH STREET GREEN INFRASTRUCTURE
EXISTING SITE AND DEMOLITION PLAN
SHEET III
 CIVIL

SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-C003		

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 DEPARTMENT OF PUBLIC WORKS
 640 OLD DIXIE HWY
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 FAX: (561) 881-3349

OWRMA FBPE CA26025
 WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
 250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
 PHONE: 561-529-2075 | FAX: 561-401-9385

EXISTING SITE AND DEMOLITION PLAN - SHEET III
 SCALE: 1" = 10'



REDUCTION VERIFICATION SCALE







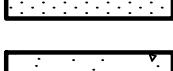
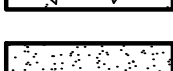


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GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
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LEGEND:

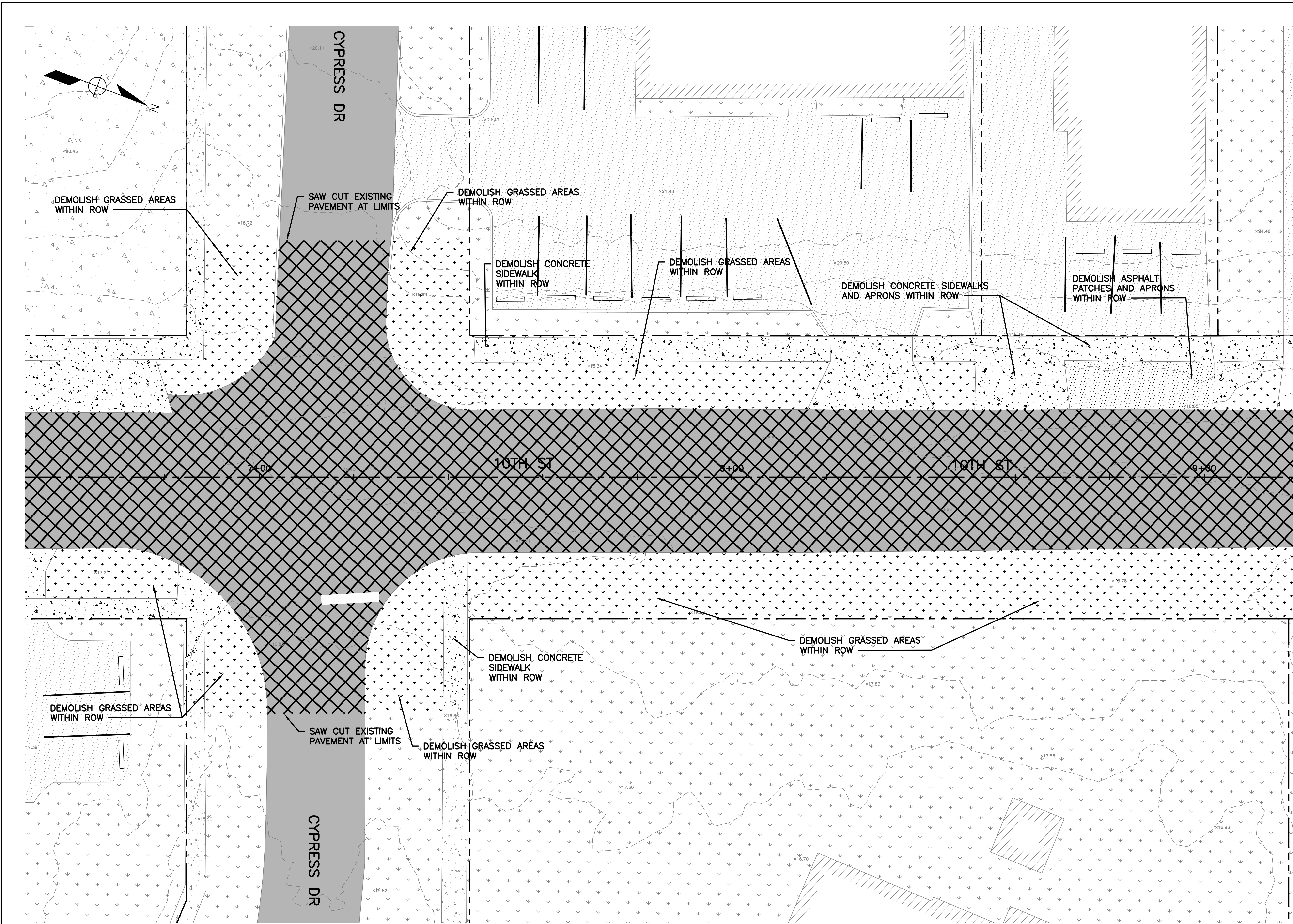
-  EXISTING ROADWAY ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. LIMITS OF MILL AND RESURFACE
-  DEMOLISH ASPHALT PAVEMENT
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-  DEMOLISH GRAVEL ROAD
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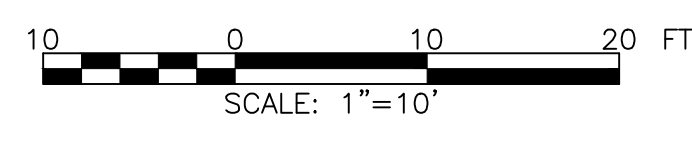
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NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
EXISTING SITE AND DEMOLITION PLAN SHEET IV			
CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C004		



EXISTING SITE AND DEMOLITION PLAN - SHEET IV
 SCALE: 1" = 10'



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 DEPARTMENT OF PUBLIC WORKS
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 LAKE PARK, FL 33403
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WRMA FBPE CA26025
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 PHONE: 561-529-2075 | FAX: 561-401-9385

REDUCTION VERIFICATION SCALE





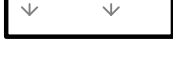

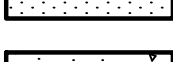
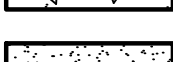
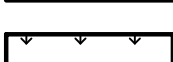

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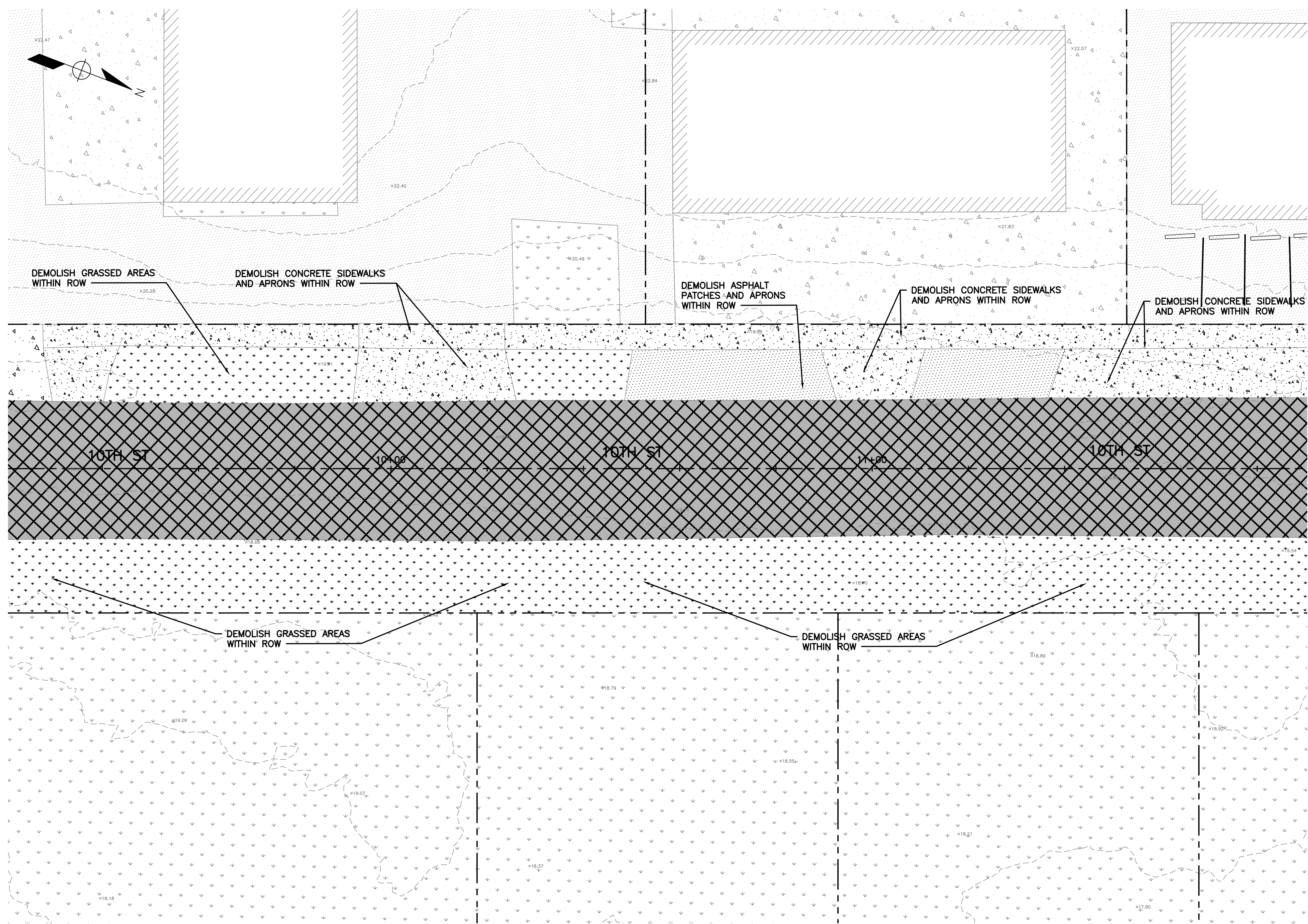
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GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
2. LOCATIONS OF EXISTING STORMWATER PIPES, MANHOLES AND CATCH BASINS ARE SHOWN AS APPROXIMATE. FIELD LOCATE WHERE NECESSARY.
3. LOCATIONS OF EXISTING BURIED UTILITIES ARE SHOWN AS APPROXIMATE. CONTRACTOR SHALL PERFORM FIELD LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO START OF CLEARING AND DEMOLITION OF EXISTING STRUCTURES OR PAVEMENT. CALL SUNSHINE 811 48 HOURS PRIOR TO MOBILIZATION OR EXCAVATION ON SITE.
4. ACCESS EXISTING DRAINAGE AND UTILITY EASEMENTS AS NECESSARY FOR ACCESS TO STORMWATER AND UTILITIES LINES.
5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

-  EXISTING ROADWAY ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. LIMITS OF MILL AND RESURFACE
-  DEMOLISH ASPHALT PAVEMENT
-  DEMOLISH CONCRETE PAVEMENT
-  DEMOLISH GRAVEL ROAD
-  DEMOLISH GRASSED AREA



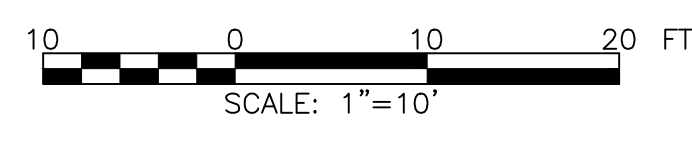
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NO.	DESCRIPTION	BY	DATE
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TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
EXISTING SITE AND DEMOLITION PLAN SHEET V			
CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RMM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C005		

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 LAKE PARK, FL 33403
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 WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
 250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
 PHONE: 561-529-2075 | FAX: 561-401-9385



EXISTING SITE AND DEMOLITION PLAN - SHEET V







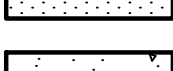
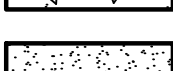


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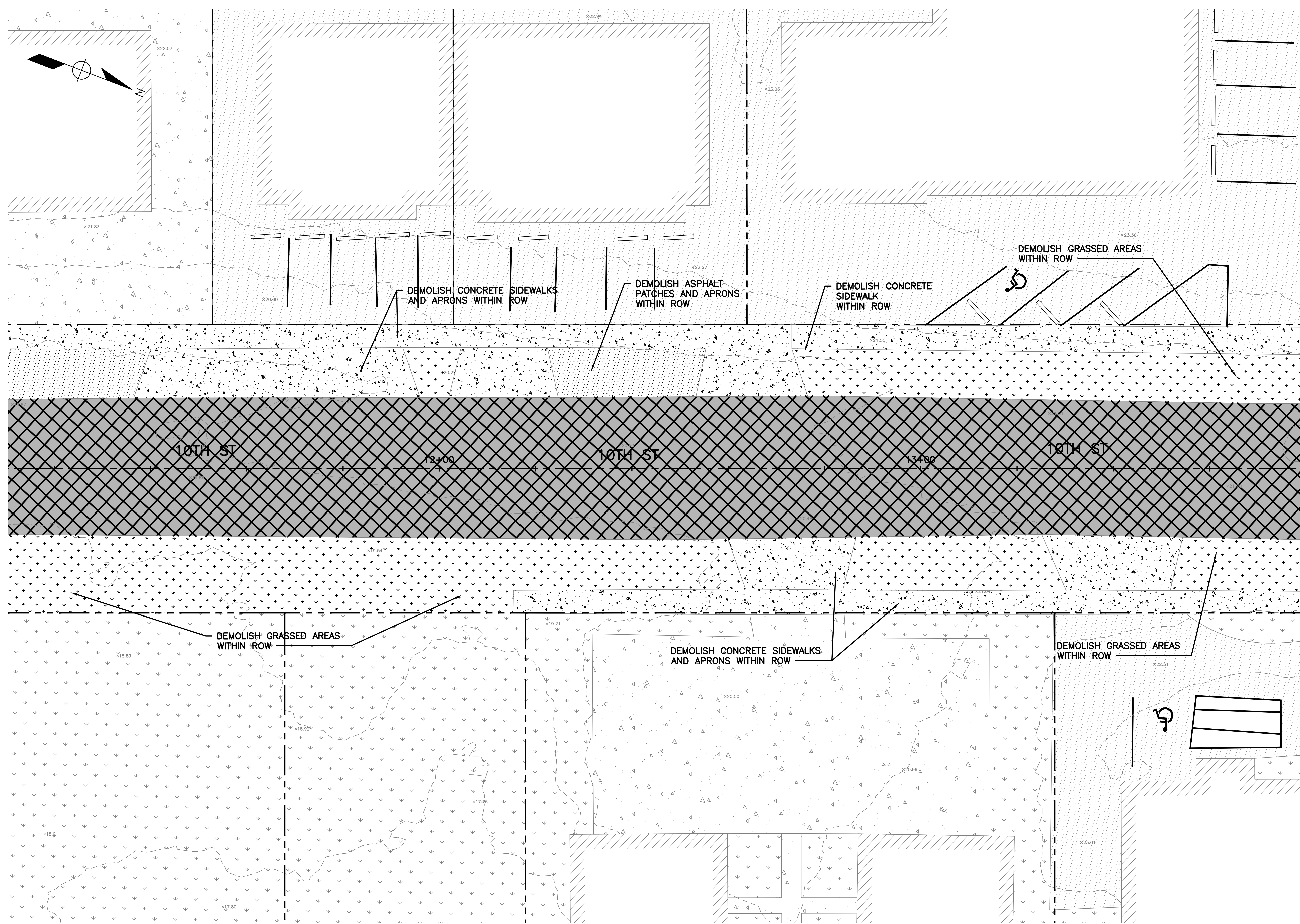
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GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

-  EXISTING ROADWAY ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. LIMITS OF MILL AND RESURFACE
-  DEMOLISH ASPHALT PAVEMENT
-  DEMOLISH CONCRETE PAVEMENT
-  DEMOLISH GRAVEL ROAD
-  DEMOLISH GRASSED AREA



30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			

TOWN OF LAKE PARK
DEPARTMENT OF PUBLIC WORKS

TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS
GREEN INFRASTRUCTURE PROJECTS - DIVISION A
10TH STREET GREEN INFRASTRUCTURE

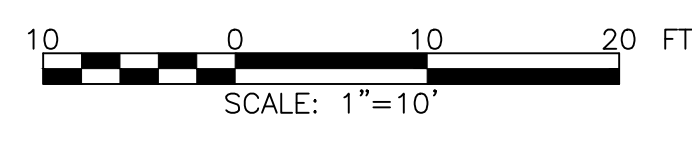
**EXISTING SITE AND DEMOLITION PLAN
SHEET VI**
CIVIL

SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-C006		

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WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
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EXISTING SITE AND DEMOLITION PLAN - SHEET VI
SCALE: 1" = 10'



PLOT DATE: 12/13/2019 12:07 PM
DWG FILE: J:\DOCUMENTS\WRMA\CADD\DWG\TOWN OF LAKE PARK\DIVISION A\10TH STREET GI\PRODUCTION\02_30_PERCENT\LPGA-C006.DWG

GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

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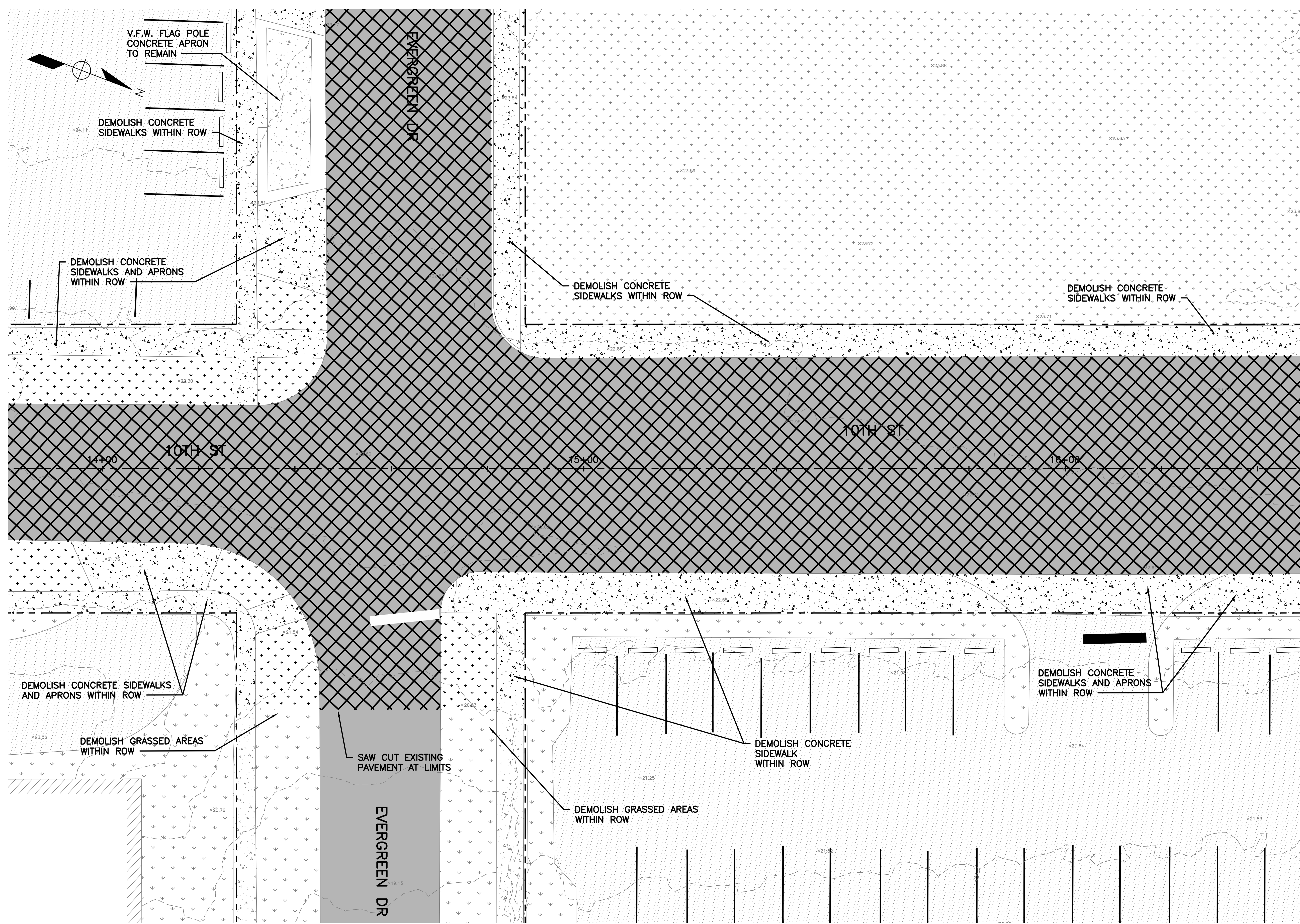
- EXISTING ROADWAY ASPHALT PAVEMENT
- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING GRAVEL ROAD
- EXISTING GRASSED AREA
- PROP. LIMITS OF MILL AND RESURFACE
- DEMOLISH ASPHALT PAVEMENT
- DEMOLISH CONCRETE PAVEMENT
- DEMOLISH GRAVEL ROAD
- DEMOLISH GRASSED AREA



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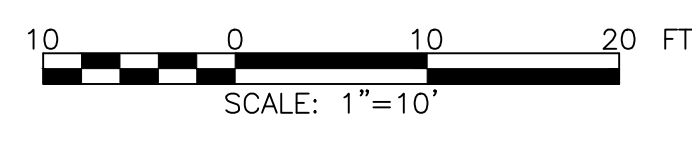
30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
EXISTING SITE AND DEMOLITION PLAN SHEET VII			
CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C007		



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EXISTING SITE AND DEMOLITION PLAN - SHEET VII










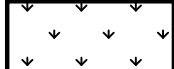
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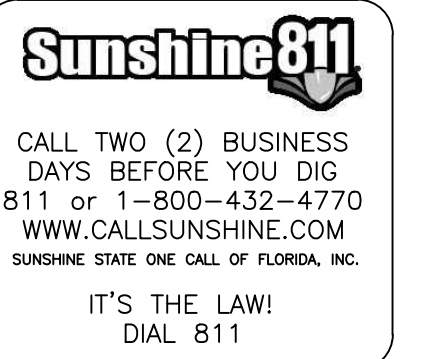
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GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

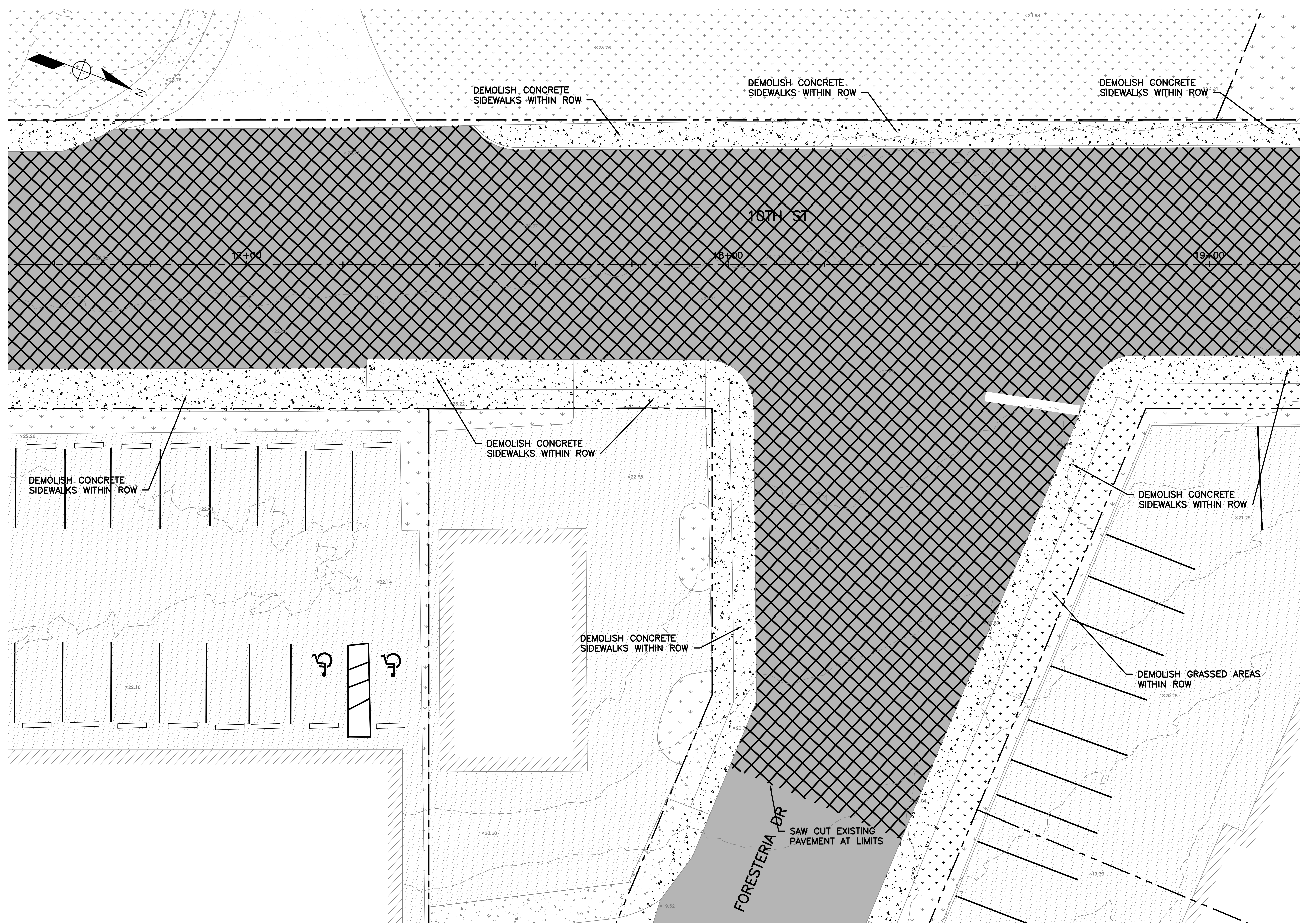
LEGEND:

-  EXISTING ROADWAY ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. LIMITS OF MILL AND RESURFACE
-  DEMOLISH ASPHALT PAVEMENT
-  DEMOLISH CONCRETE PAVEMENT
-  DEMOLISH GRAVEL ROAD
-  DEMOLISH GRASSED AREA



30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
EXISTING SITE AND DEMOLITION PLAN SHEET VIII			
CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C008		

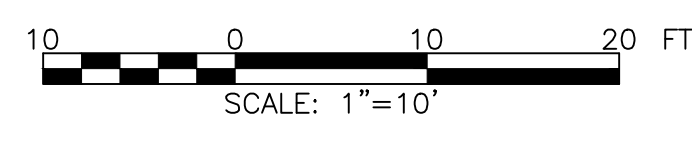


EXISTING SITE AND DEMOLITION PLAN - SHEET VIII

SCALE: 1" = 10'

TOWN OF LAKE PARK
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640 OLD DIXIE HWY
LAKE PARK, FL 33403
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FAX: (561) 881-3349

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WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
PHONE: 561-529-2075 | FAX: 561-401-9385










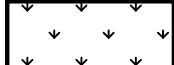


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GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

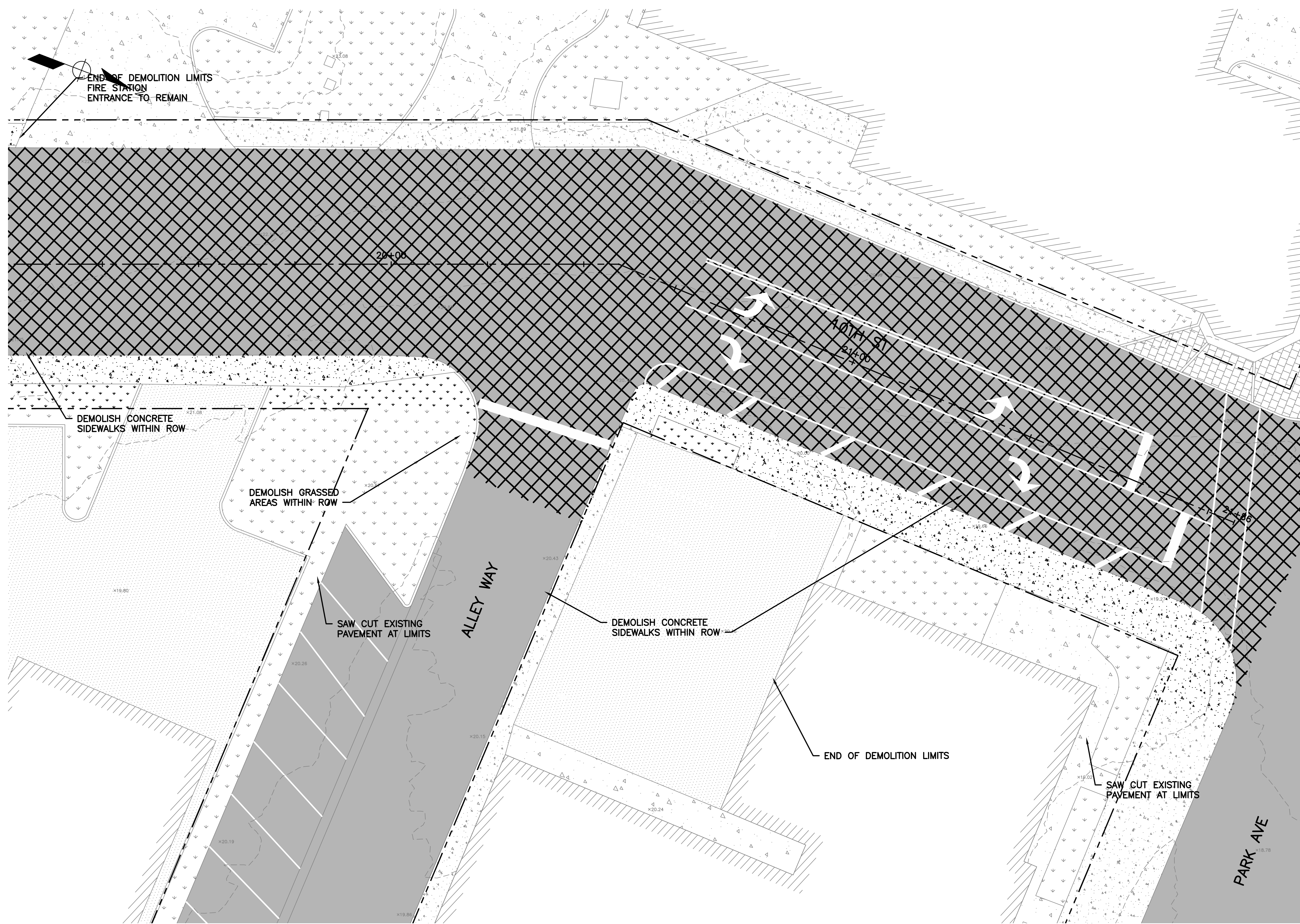
-  EXISTING ROADWAY ASPHALT PAVEMENT
-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. LIMITS OF MILL AND RESURFACE
-  DEMOLISH ASPHALT PAVEMENT
-  DEMOLISH CONCRETE PAVEMENT
-  DEMOLISH GRAVEL ROAD
-  DEMOLISH GRASSED AREA



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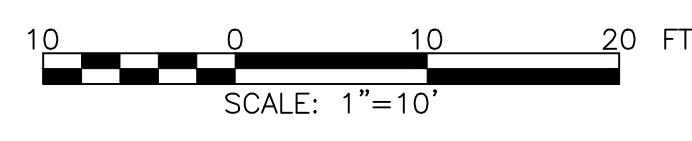
30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
EXISTING SITE AND DEMOLITION PLAN SHEET IX			
CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C009		



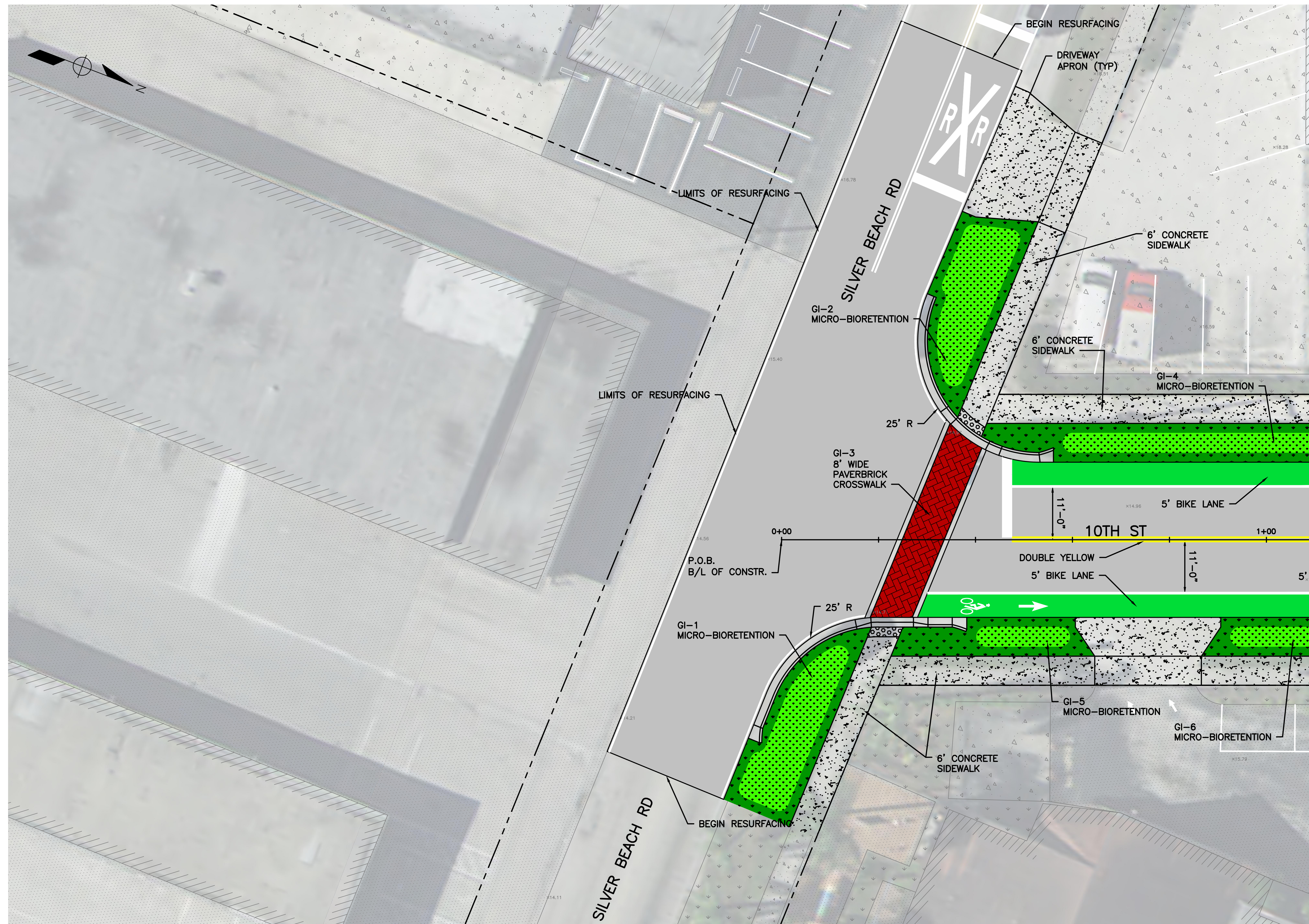
TOWN OF LAKE PARK
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640 OLD DIXIE HWY
LAKE PARK, FL 33403
PHONE: (561) 881-3345
FAX: (561) 881-3349

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WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
PHONE: 561-529-2075 | FAX: 561-401-9385



EXISTING SITE AND DEMOLITION PLAN - SHEET IX
SCALE: 1" = 10'

PLOT DATE: 12/13/2019 12:08 PM
DWG FILE: J:\DOCUMENTS\WRMA\CADD\DWG\TOWN OF LAKE PARK\DIVISION A\10TH STREET GREEN INFRASTRUCTURE\30 PERCENT\LPGA-C009.DWG



GENERAL NOTES:

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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING GRAVEL ROAD
- EXISTING GRASSED AREA
- PROP. RESURFACED ASPHALT PAVEMENT
- PROPOSED PERVIOUS BRICK PAVERS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED MICRO-BIORETENTION
- PROPOSED GRASSED AREA
- PROPOSED 5' BIKE LANE

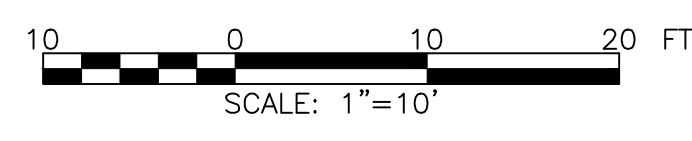
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REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
PROPOSED SITE PLAN SHEET 1 CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C011		

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 640 OLD DIXIE HWY
 LAKE PARK, FL 33403
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 WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
 250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
 PHONE: 561-529-2075 | FAX: 561-401-9385






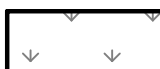


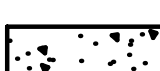



PROPOSED SITE PLAN - SHEET 1
 SCALE: 1" = 10'

PLOT DATE: 12/13/2019 12:09 PM
 DWG FILE: J:\DOCUMENTS\WRMA\CADD\DWG\TOWN OF LAKE PARK\DIVISION A\10TH STREET GI\PRODUCTION\02_30 PERCENT\LPGA-C011.DWG

GENERAL NOTES:

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LEGEND:

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-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. RESURFACED ASPHALT PAVEMENT
-  PROPOSED PERVIOUS BRICK PAVERS
-  PROPOSED CONCRETE PAVEMENT
-  PROPOSED MICRO-BIORETENTION
-  PROPOSED GRASSED AREA
-  PROPOSED 5' BIKE LANE

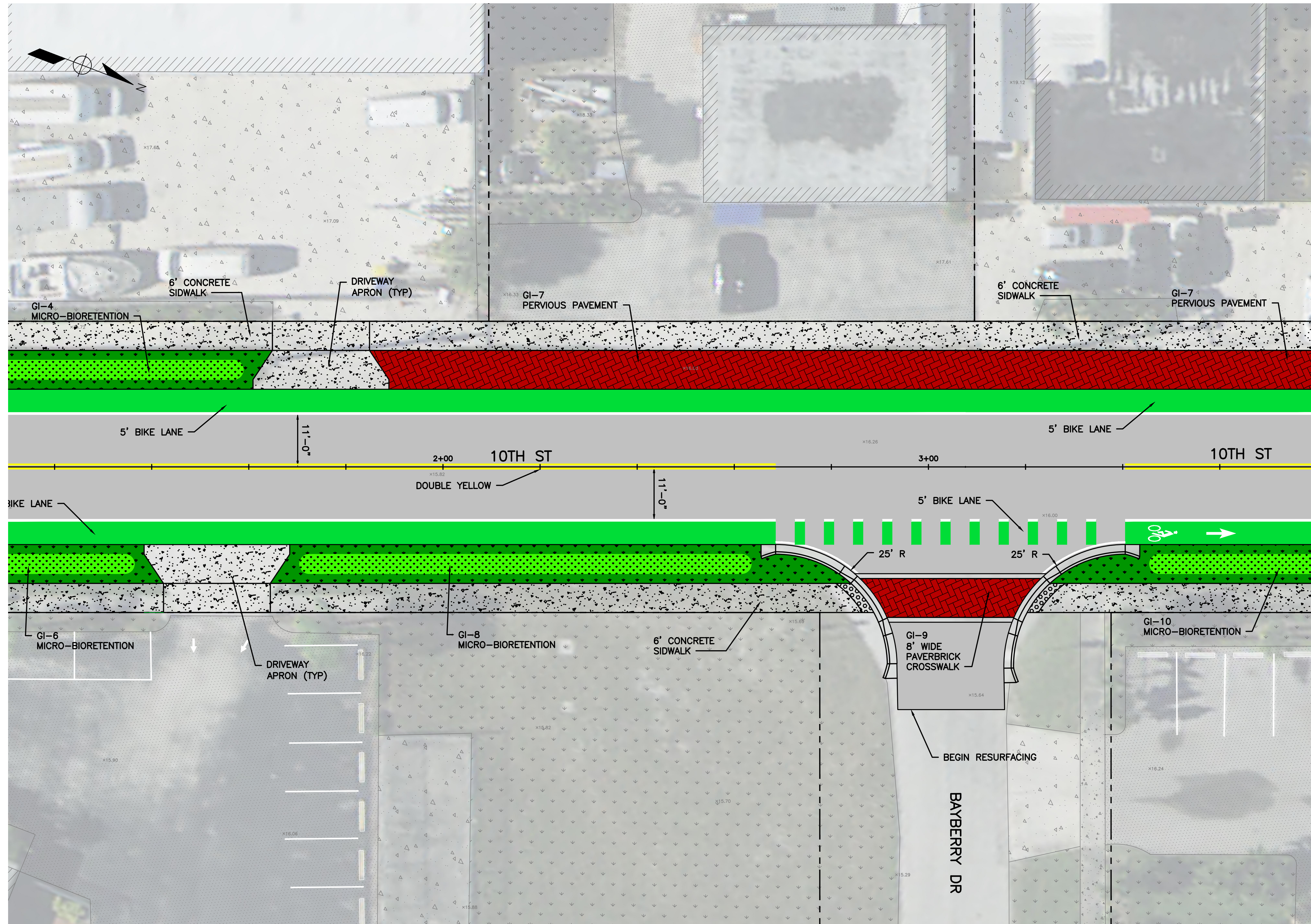


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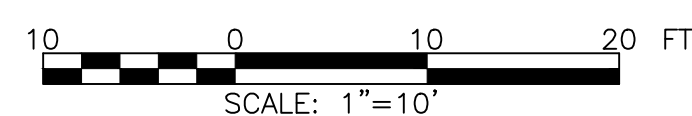
30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
PROPOSED SITE PLAN SHEET II			
CIVIL			

SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-C012		



PROPOSED SITE PLAN - SHEET II
 SCALE: 1" = 10'



TOWN OF LAKE PARK
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 640 OLD DIXIE HWY
 LAKE PARK, FL 33403
 PHONE: (561) 881-3345
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 PHONE: 561-529-2075 | FAX: 561-401-9385

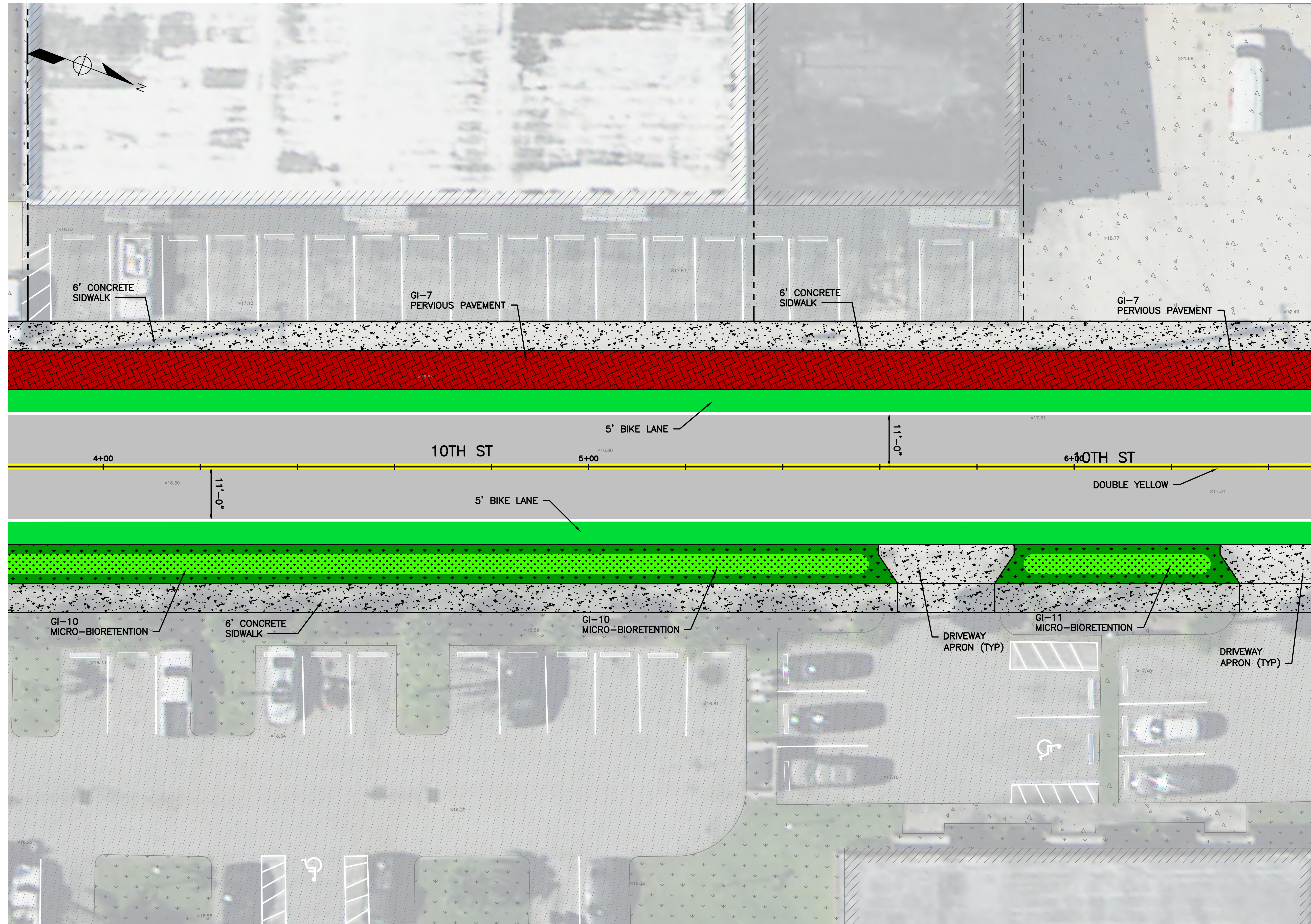
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GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
2. LOCATIONS OF EXISTING STORMWATER PIPES, MANHOLES AND CATCH BASINS ARE SHOWN AS APPROXIMATE. FIELD LOCATE WHERE NECESSARY.
3. LOCATIONS OF EXISTING BURIED UTILITIES ARE SHOWN AS APPROXIMATE. CONTRACTOR SHALL PERFORM FIELD LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO START OF CLEARING AND DEMOLITION OF EXISTING STRUCTURES OR PAVEMENT. CALL SUNSHINE 811 48 HOURS PRIOR TO MOBILIZATION OR EXCAVATION ON SITE.
4. ACCESS EXISTING DRAINAGE AND UTILITY EASEMENTS AS NECESSARY FOR ACCESS TO STORMWATER AND UTILITIES LINES.
5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. RESURFACED ASPHALT PAVEMENT
-  PROPOSED PERVIOUS BRICK PAVERS
-  PROPOSED CONCRETE PAVEMENT
-  PROPOSED MICRO-BIORETENTION
-  PROPOSED GRASSED AREA
-  PROPOSED 5' BIKE LANE



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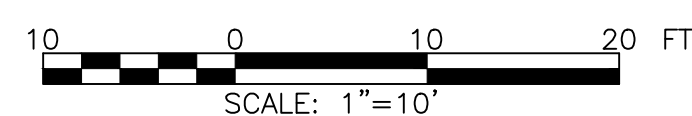
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NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
PROPOSED SITE PLAN SHEET III CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-C013		

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 640 OLD DIXIE HWY
 LAKE PARK, FL 33403
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 FAX: (561) 881-3349

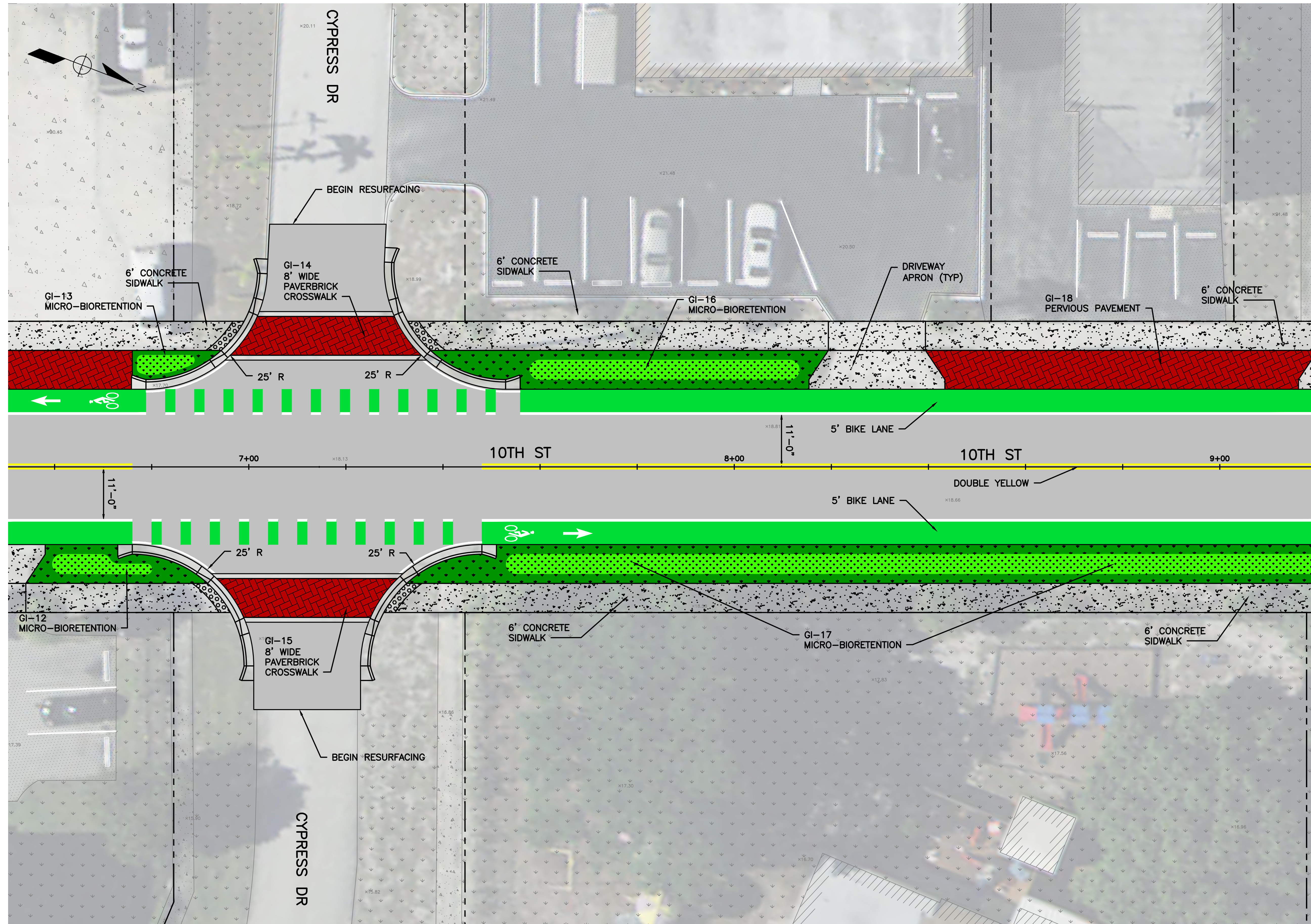
WRMA FBPE CA26025
 WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
 250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
 PHONE: 561-529-2075 | FAX: 561-401-9385

PROPOSED SITE PLAN - SHEET III
 SCALE: 1" = 10'



REDUCTION VERIFICATION SCALE

10 INCHES



GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
2. LOCATIONS OF EXISTING STORMWATER PIPES, MANHOLES AND CATCH BASINS ARE SHOWN AS APPROXIMATE. FIELD LOCATE WHERE NECESSARY.
3. LOCATIONS OF EXISTING BURIED UTILITIES ARE SHOWN AS APPROXIMATE. CONTRACTOR SHALL PERFORM FIELD LOCATION OF ALL EXISTING UTILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO START OF CLEARING AND DEMOLITION OF EXISTING STRUCTURES OR PAVEMENT. CALL SUNSHINE 811 48 HOURS PRIOR TO MOBILIZATION OR EXCAVATION ON SITE.
4. ACCESS EXISTING DRAINAGE AND UTILITY EASEMENTS AS NECESSARY FOR ACCESS TO STORMWATER AND UTILITIES LINES.
5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING GRAVEL ROAD
- EXISTING GRASSED AREA
- PROP. RESURFACED ASPHALT PAVEMENT
- PROPOSED PERVIOUS BRICK PAVERS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED MICRO-BIORETENTION
- PROPOSED GRASSED AREA
- PROPOSED 5' BIKE LANE

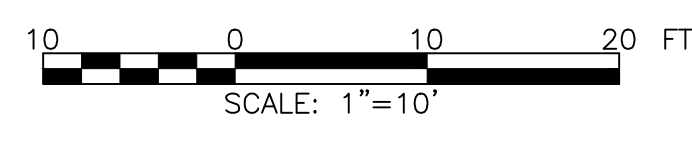
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TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
PROPOSED SITE PLAN SHEET IV CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-C014		

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 LAKE PARK, FL 33403
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 250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
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PROPOSED SITE PLAN - SHEET IV
 SCALE: 1" = 10'

PLOT DATE: 12/13/2019 12:10 PM
 DWG FILE: J:\DOCUMENTS\WRMA\CADD\DWG\TOWN OF LAKE PARK\DIVISION A\10TH STREET GI\PRODUCTION\02_30_PERCENT\LPGA-C014.DWG

GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
2. LOCATIONS OF EXISTING STORMWATER PIPES, MANHOLES AND CATCH BASINS ARE SHOWN AS APPROXIMATE. FIELD LOCATE WHERE NECESSARY.
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4. ACCESS EXISTING DRAINAGE AND UTILITY EASEMENTS AS NECESSARY FOR ACCESS TO STORMWATER AND UTILITIES LINES.
5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. RESURFACED ASPHALT PAVEMENT
-  PROPOSED PERVIOUS BRICK PAVERS
-  PROPOSED CONCRETE PAVEMENT
-  PROPOSED MICRO-BIORETENTION
-  PROPOSED GRASSED AREA
-  PROPOSED 5' BIKE LANE



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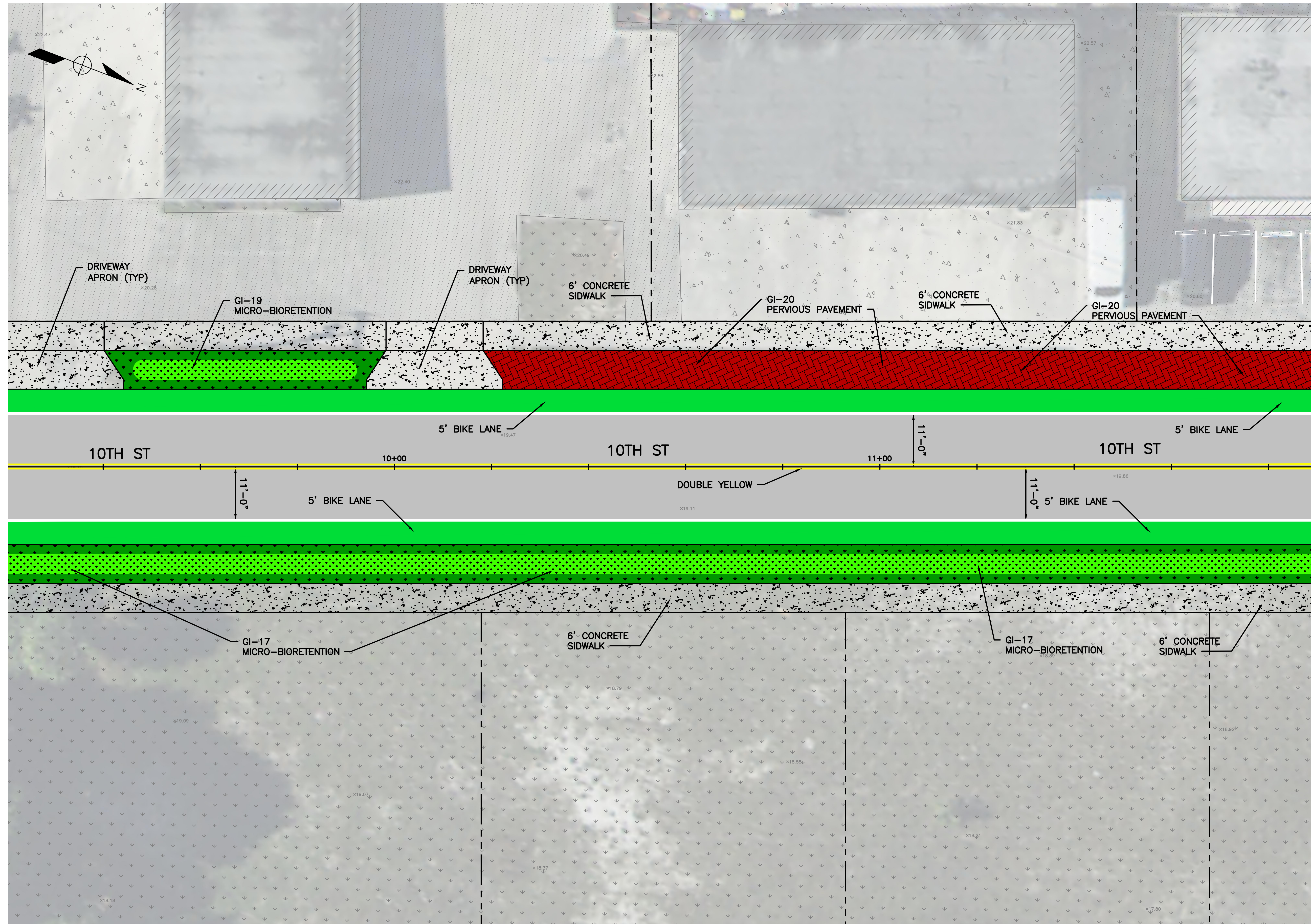
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REVISIONS			

TOWN OF LAKE PARK
 DEPARTMENT OF PUBLIC WORKS

TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS
 GREEN INFRASTRUCTURE PROJECTS - DIVISION A
 10TH STREET GREEN INFRASTRUCTURE

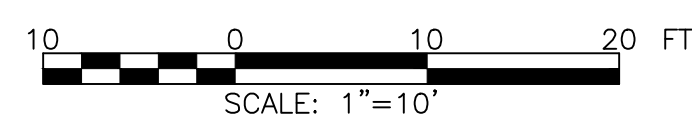
**PROPOSED SITE PLAN
 SHEET V
 CIVIL**

SCALE	AS SHOWN	DRAWN	MRM
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CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-C015		



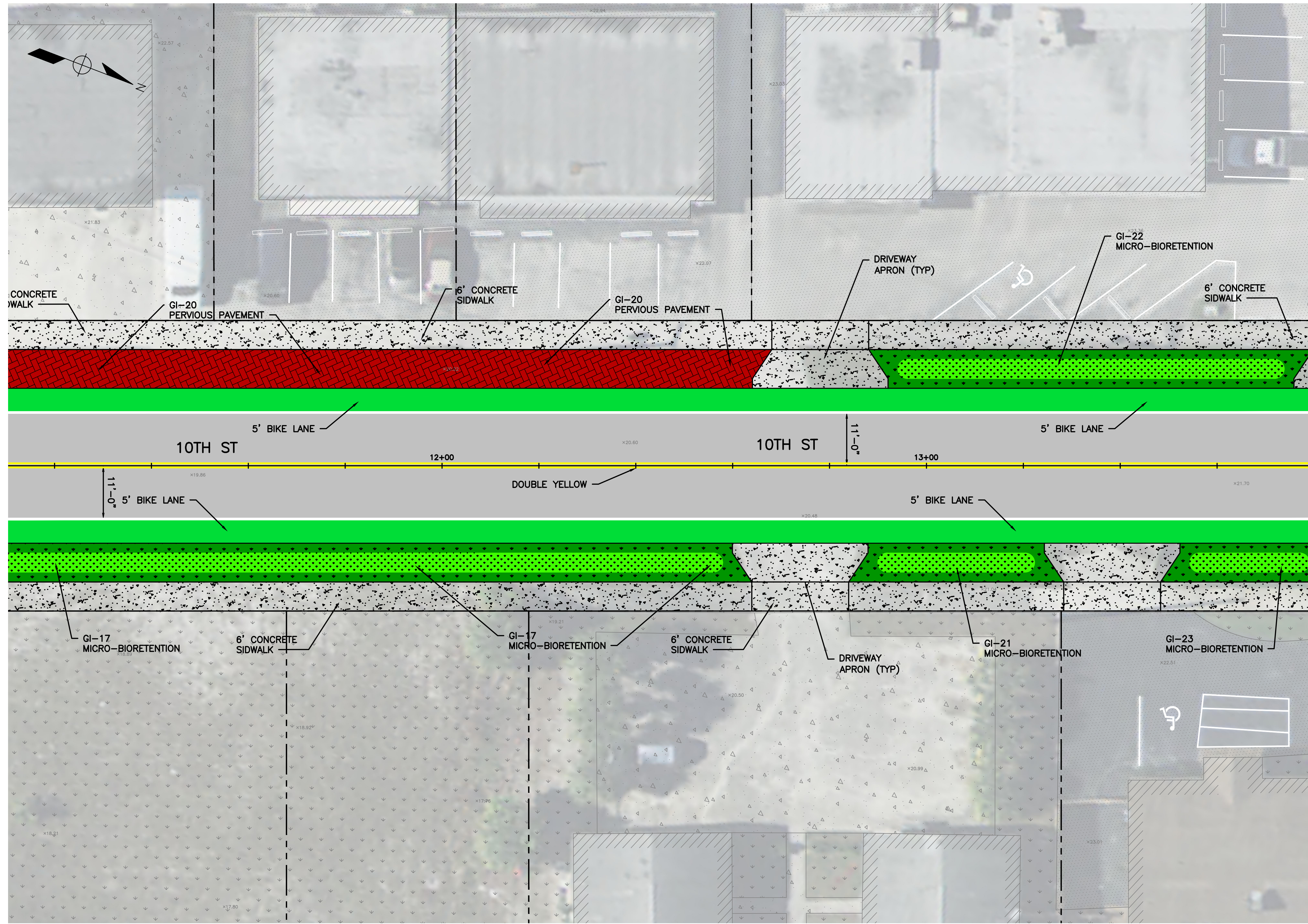
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 LAKE PARK, FL 33403
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 250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
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PROPOSED SITE PLAN - SHEET V
 SCALE: 1" = 10'

PLOT DATE: 12/13/2019 12:11 PM
 DWG FILE: J:\DOCUMENTS\WRMA\CADD\DWG\TOWN OF LAKE PARK\DIVISION A\10TH STREET GI\PRODUCTION\02_30_PERCENT\LPGA-C015.DWG



GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING GRAVEL ROAD
- EXISTING GRASSED AREA
- PROP. RESURFACED ASPHALT PAVEMENT
- PROPOSED PERVIOUS BRICK PAVERS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED MICRO-BIORETENTION
- PROPOSED GRASSED AREA
- PROPOSED 5' BIKE LANE

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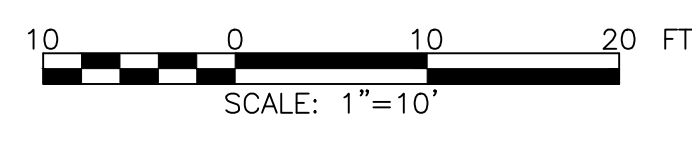
30 PERCENT DESIGN

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REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
PROPOSED SITE PLAN SHEET VI			
CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-C016		

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WRMA FBPE CA26025
 WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
 250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
 PHONE: 561-529-2075 | FAX: 561-401-9385

PROPOSED SITE PLAN - SHEET VI
 SCALE: 1" = 10'



REDUCTION VERIFICATION SCALE

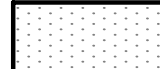









10 INCHES

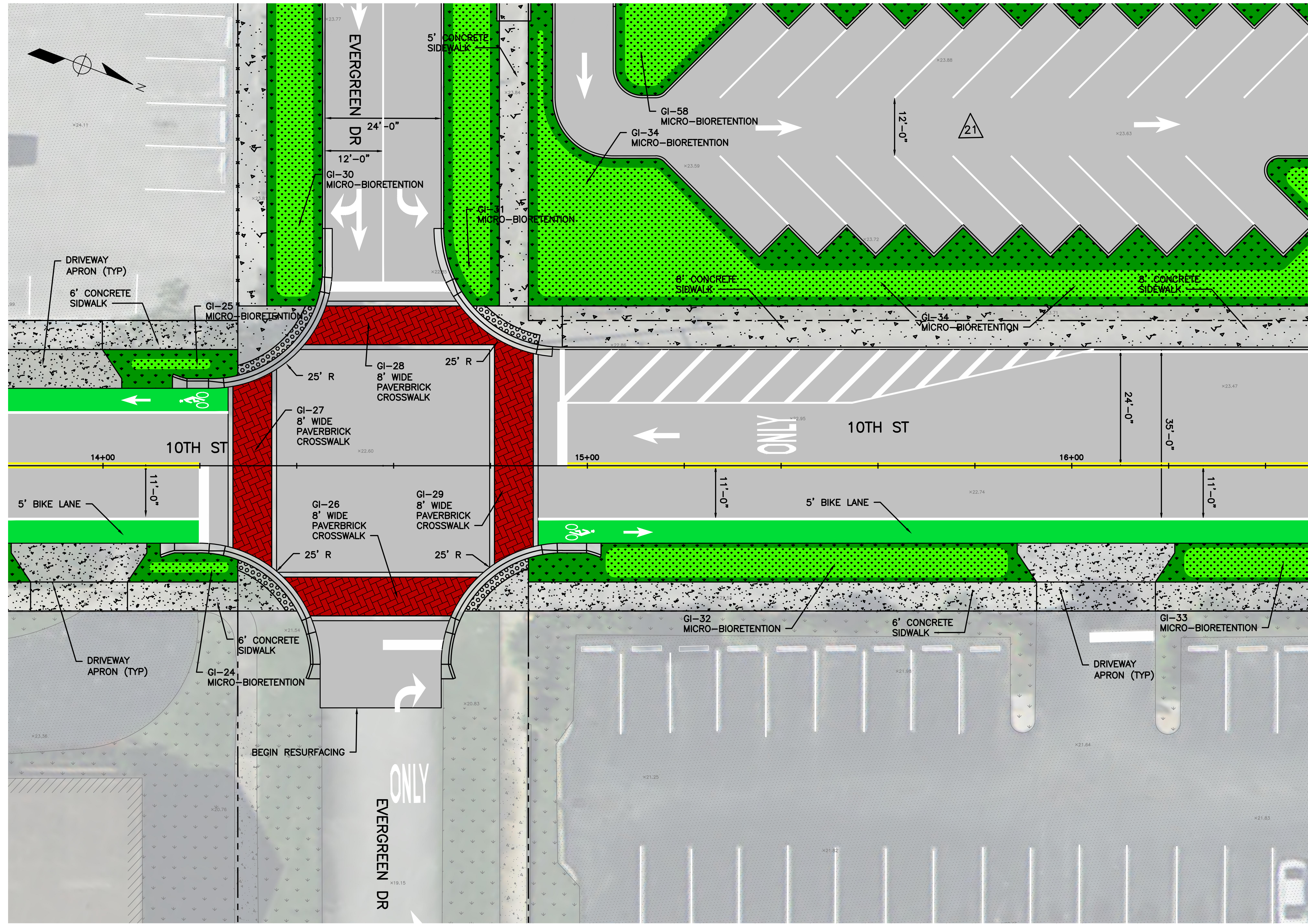
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GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. RESURFACED ASPHALT PAVEMENT
-  PROPOSED PERVIOUS BRICK PAVERS
-  PROPOSED CONCRETE PAVEMENT
-  PROPOSED MICRO-BIORETENTION
-  PROPOSED GRASSED AREA
-  PROPOSED 5' BIKE LANE



30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			

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DEPARTMENT OF PUBLIC WORKS

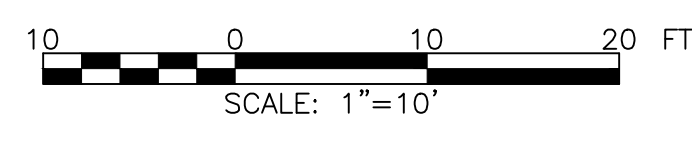
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS
GREEN INFRASTRUCTURE PROJECTS - DIVISION A
10TH STREET GREEN INFRASTRUCTURE

**PROPOSED SITE PLAN
SHEET VII**
CIVIL

SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
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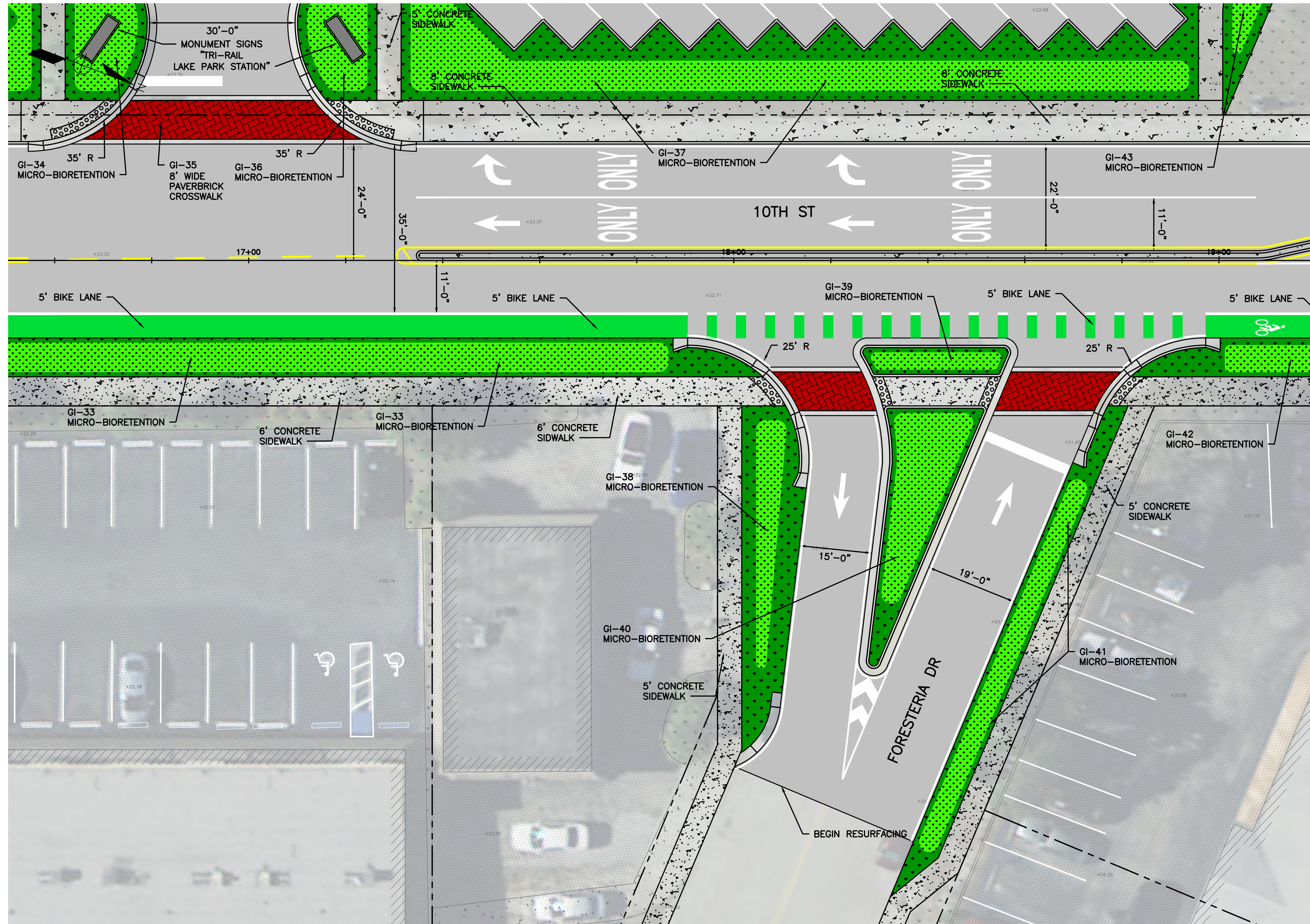
TOWN OF LAKE PARK
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640 OLD DIXIE HWY
LAKE PARK, FL 33403
PHONE: (561) 881-3345
FAX: (561) 881-3349

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250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
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PROPOSED SITE PLAN - SHEET VII
SCALE: 1" = 10'

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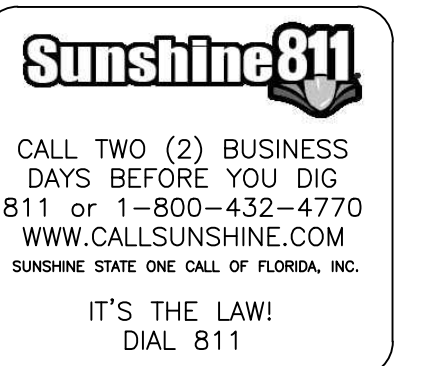


GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
2. LOCATIONS OF EXISTING STORMWATER PIPES, MANHOLES AND CATCH BASINS ARE SHOWN AS APPROXIMATE. FIELD LOCATE WHERE NECESSARY.
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4. ACCESS EXISTING DRAINAGE AND UTILITY EASEMENTS AS NECESSARY FOR ACCESS TO STORMWATER AND UTILITIES LINES.
5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

- EXISTING ASPHALT PAVEMENT
- EXISTING CONCRETE PAVEMENT
- EXISTING GRAVEL ROAD
- EXISTING GRASSED AREA
- PROP. RESURFACED ASPHALT PAVEMENT
- PROPOSED PERVIOUS BRICK PAVERS
- PROPOSED CONCRETE PAVEMENT
- PROPOSED MICRO-BIORETENTION
- PROPOSED GRASSED AREA
- PROPOSED 5' BIKE LANE

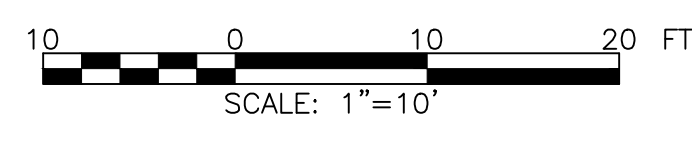


30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
PROPOSED SITE PLAN SHEET VIII CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C018		

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WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
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PROPOSED SITE PLAN - SHEET VIII





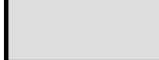





SCALE: 1" = 10'

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GENERAL NOTES:

1. ALL ELEVATIONS WHERE SHOWN REFERENCE THE VERTICAL DATUM NAVD 88 AND THE NAD 83 FLORIDA EAST ZONE HORIZONTAL DATUM.
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5. NOTIFY OWNER'S REPRESENTATIVE 72 HOURS PRIOR TO MOBILIZATION.

LEGEND:

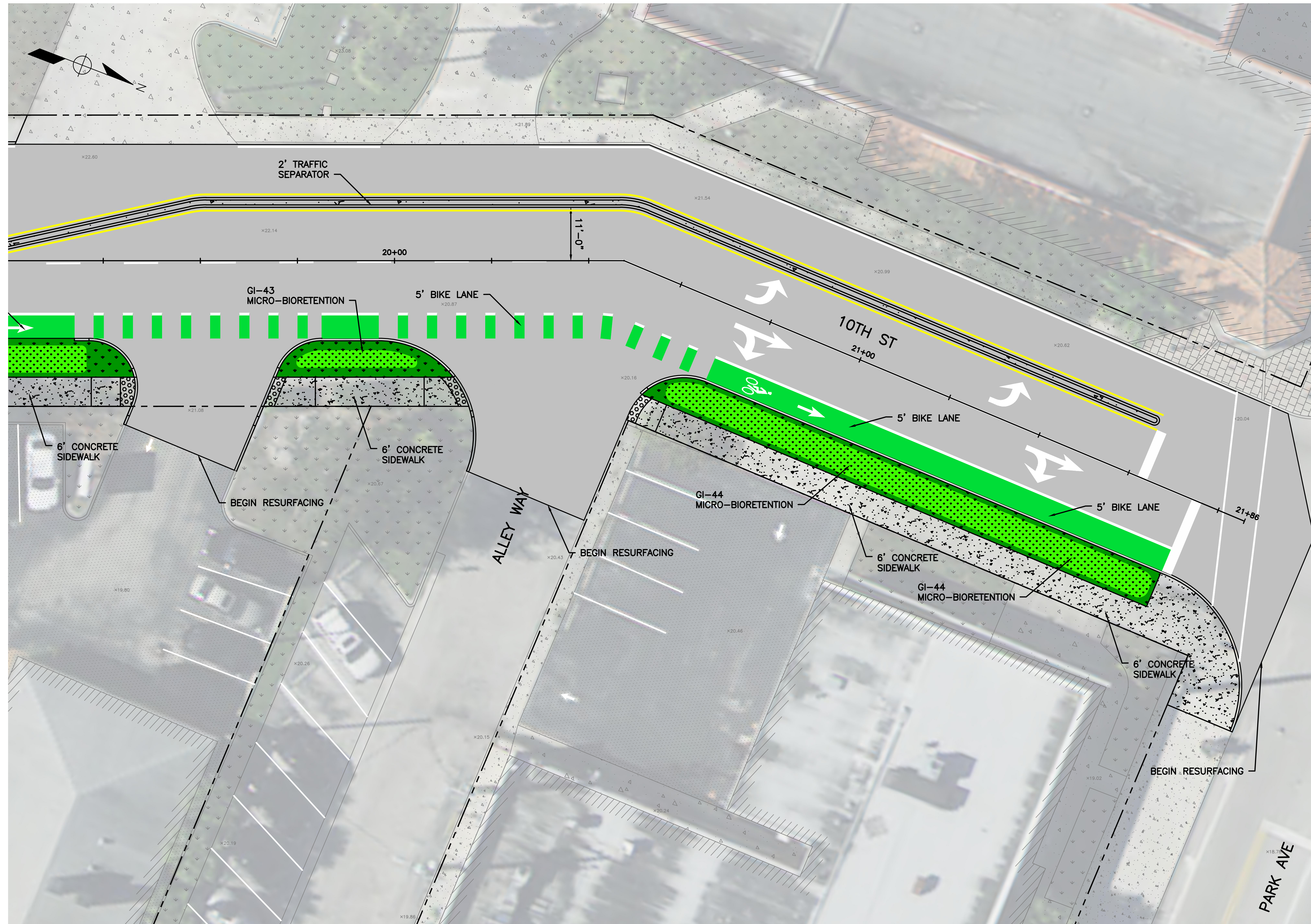
-  EXISTING ASPHALT PAVEMENT
-  EXISTING CONCRETE PAVEMENT
-  EXISTING GRAVEL ROAD
-  EXISTING GRASSED AREA
-  PROP. RESURFACED ASPHALT PAVEMENT
-  PROPOSED PERVIOUS BRICK PAVERS
-  PROPOSED CONCRETE PAVEMENT
-  PROPOSED MICRO-BIORETENTION
-  PROPOSED GRASSED AREA
-  PROPOSED 5' BIKE LANE



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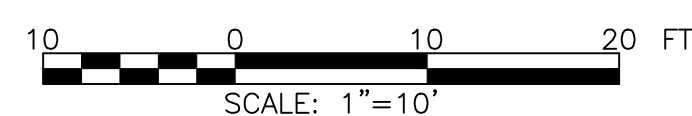
30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
PROPOSED SITE PLAN SHEET IX CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C019		



PROPOSED SITE PLAN - SHEET IX

SCALE: 1" = 10'



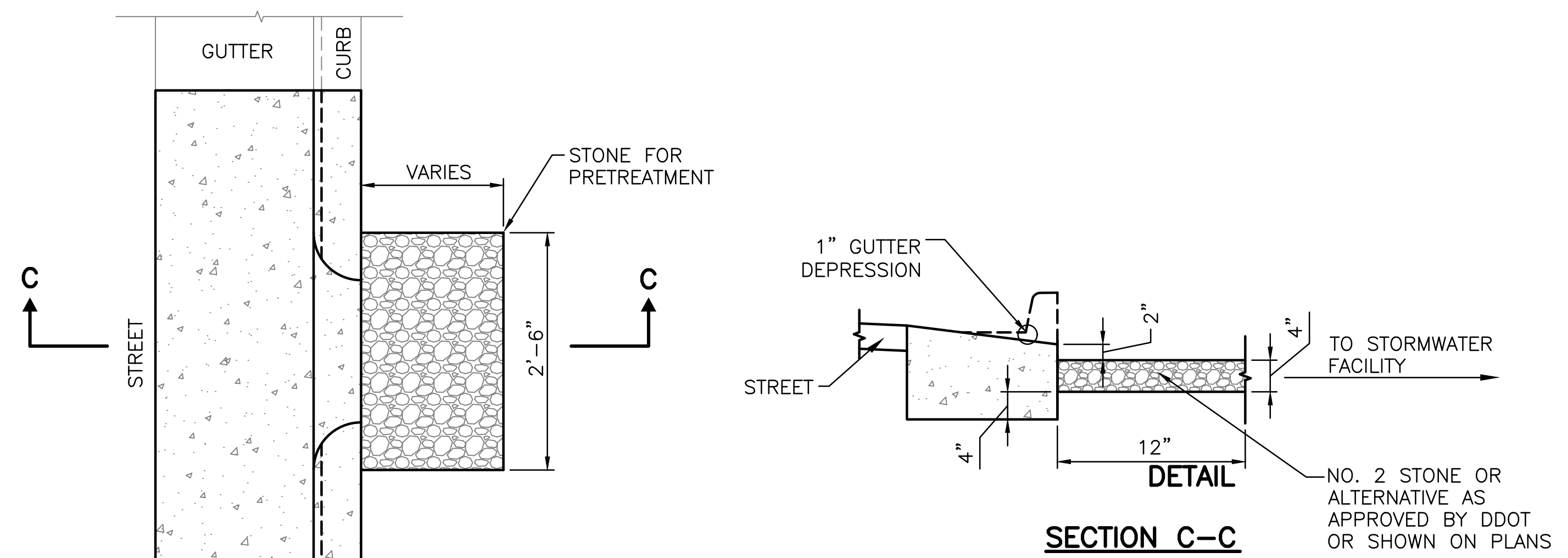
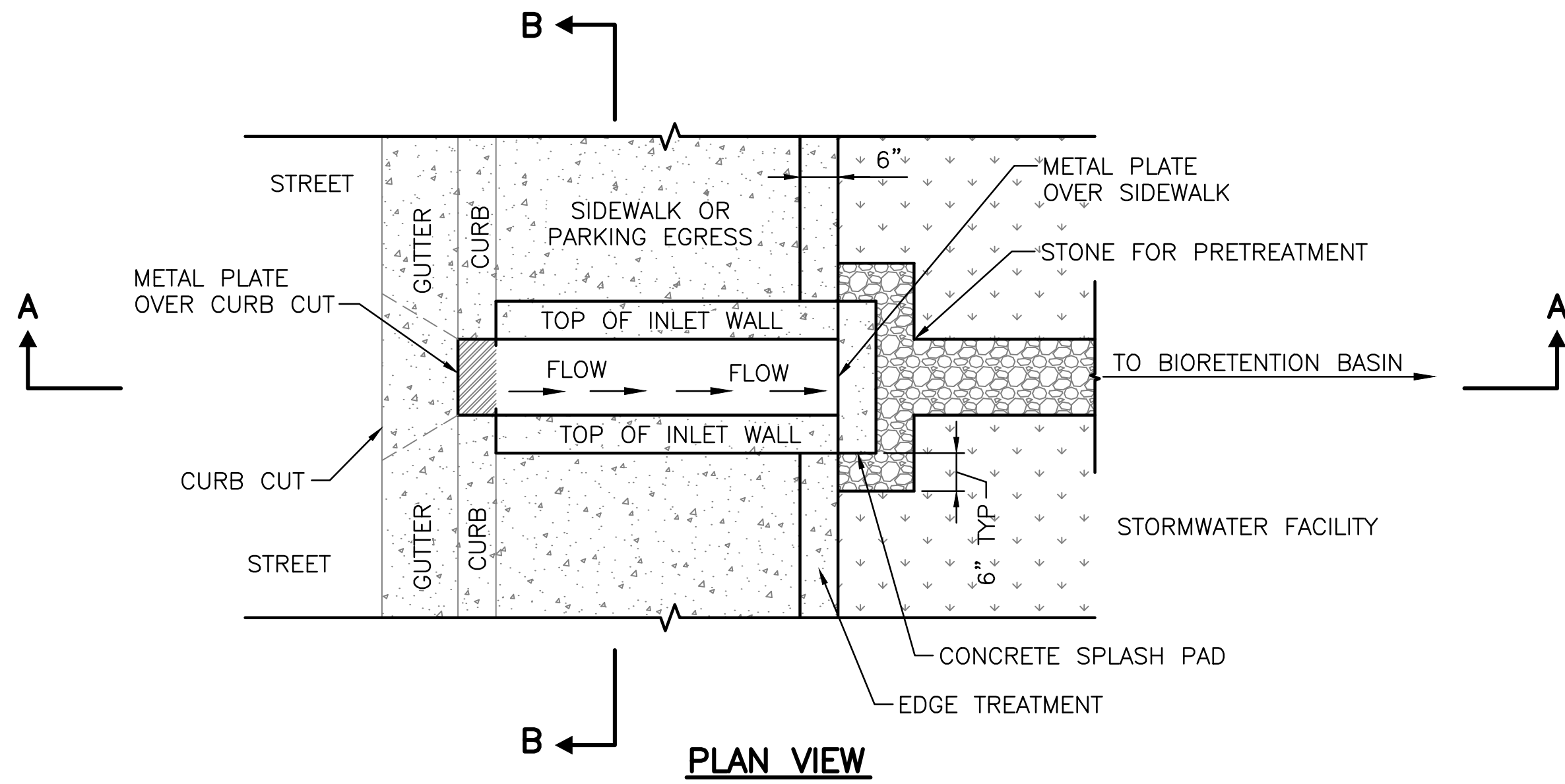
TOWN OF LAKE PARK
 DEPARTMENT OF PUBLIC WORKS
 640 OLD DIXIE HWY
 LAKE PARK, FL 33403
 PHONE: (561) 881-3345
 FAX: (561) 881-3349

WRMA FBPE CA26025
 WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
 250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
 PHONE: 561-529-2075 | FAX: 561-401-9385

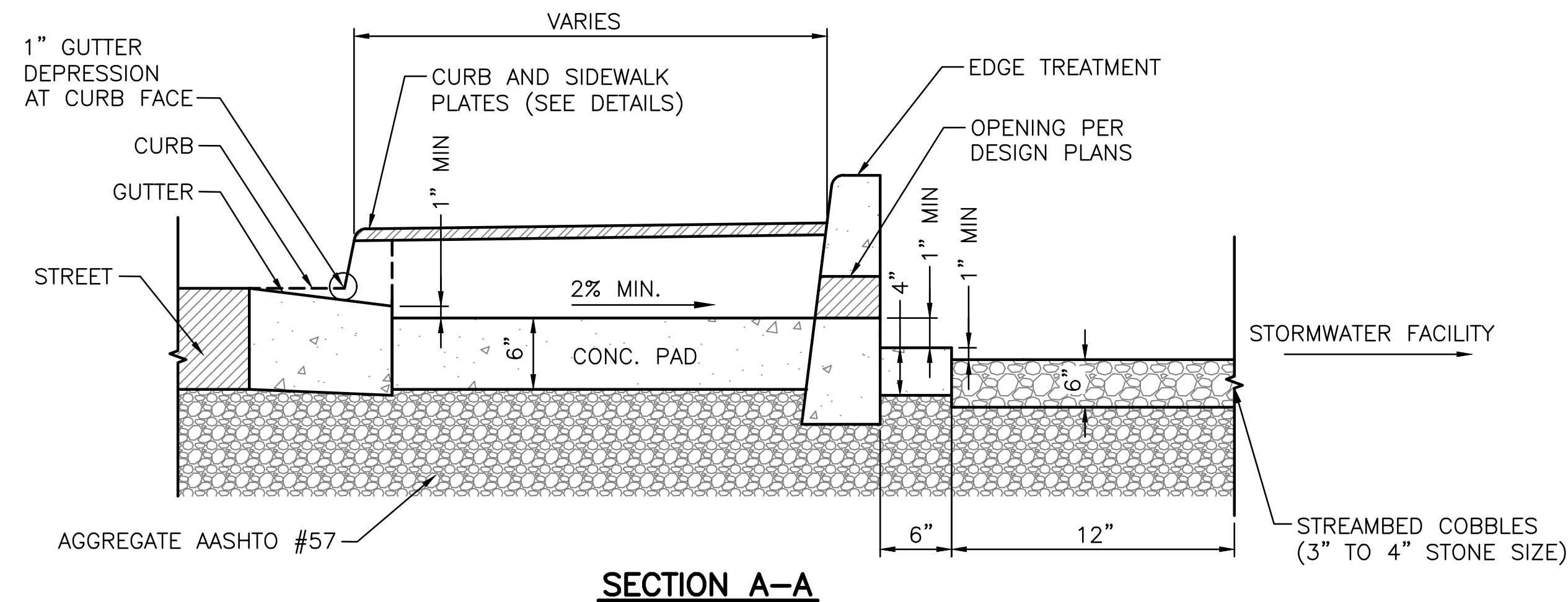
REDUCTION
 VERIFICATION
 SCALE

10 INCHES

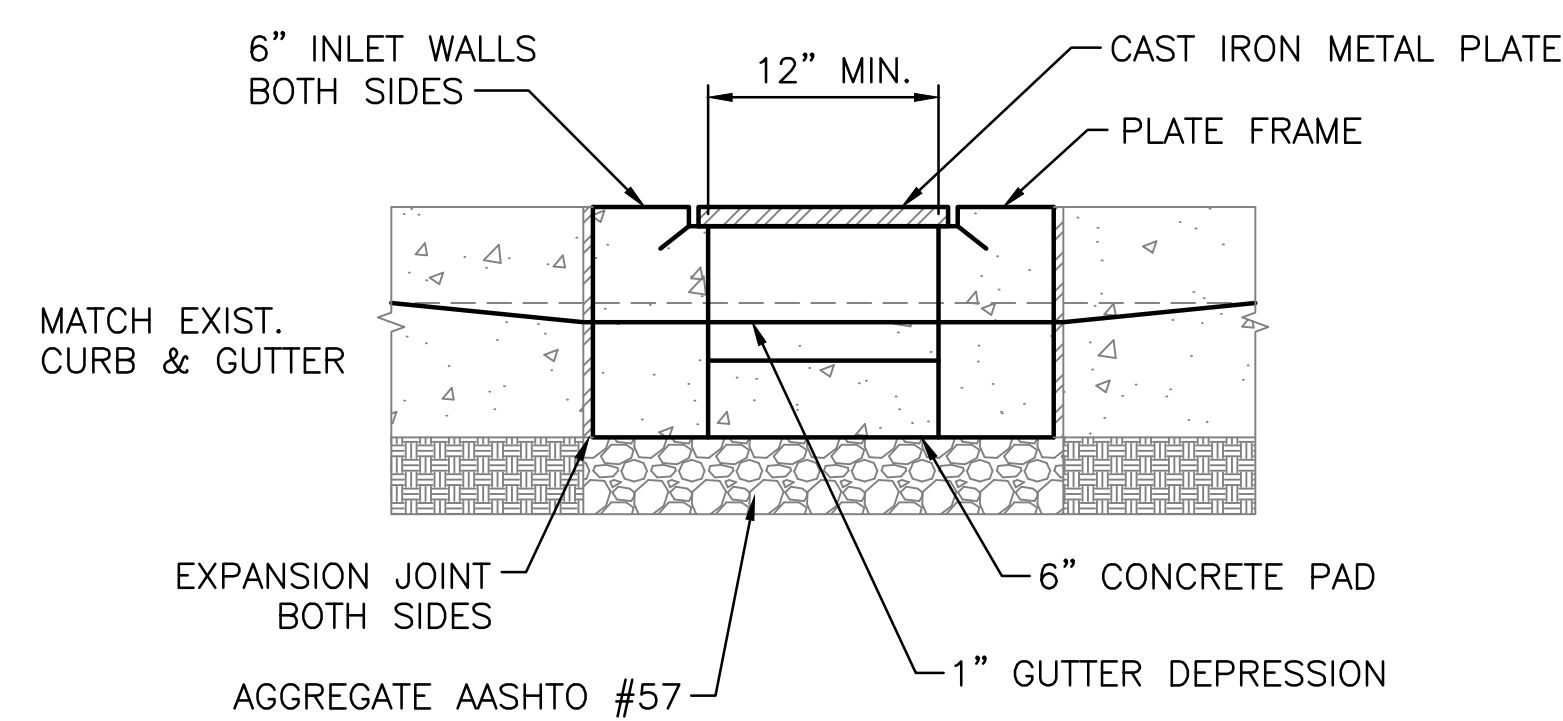
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GI DETAIL-2
CURB CUT WITH STONE FOR PRETREATMENT
SCALE: NTS

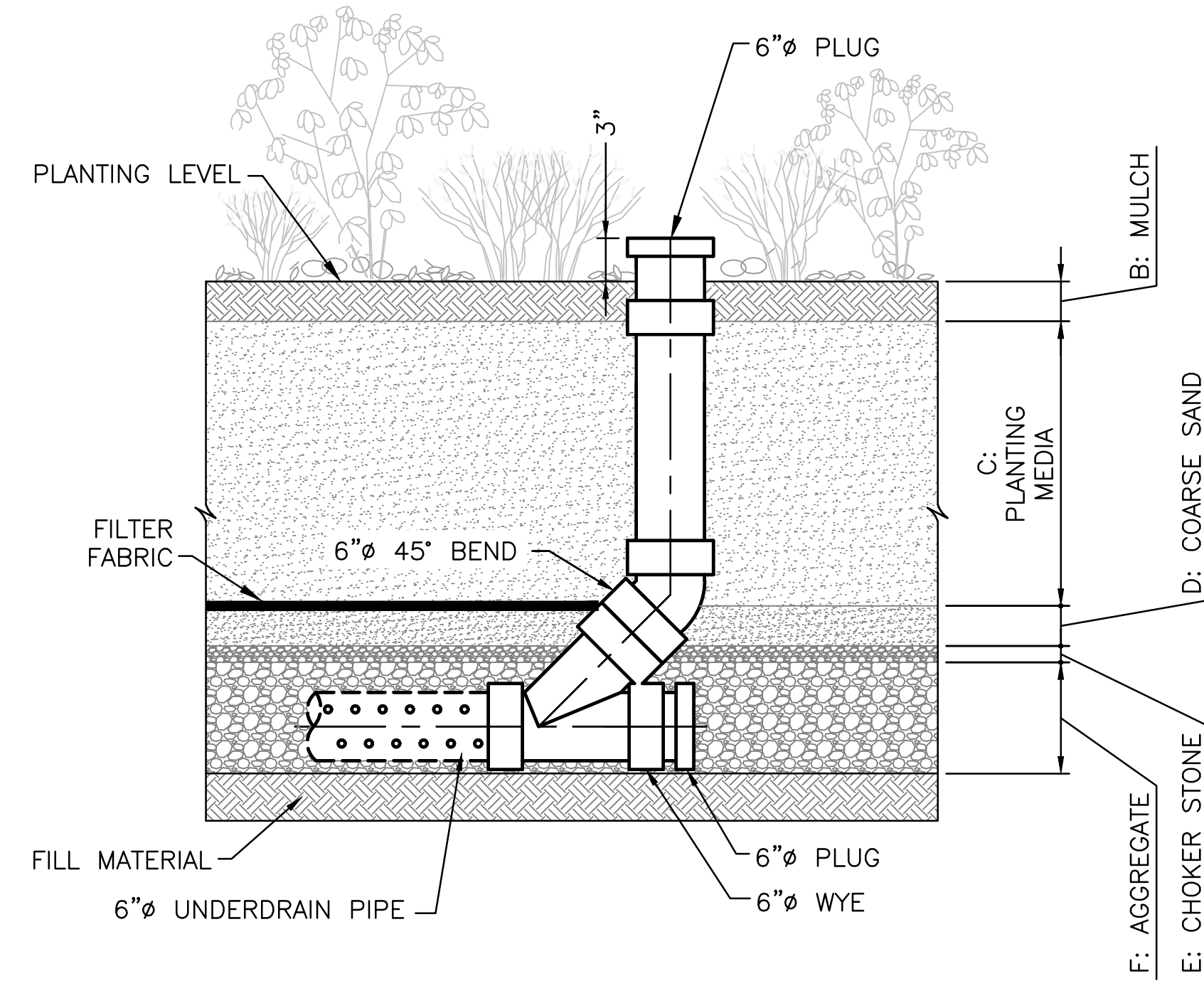


SECTION A-A



SECTION B-B

GI DETAIL-1
CURB CUT WITH TRENCH DRAIN
SCALE: NTS



GI DETAIL-3
BIORETENTION AREA CLEANOUT (TYP)
SCALE: NTS

BIORETENTION DETAILS - SHEET 1

30 PERCENT DESIGN

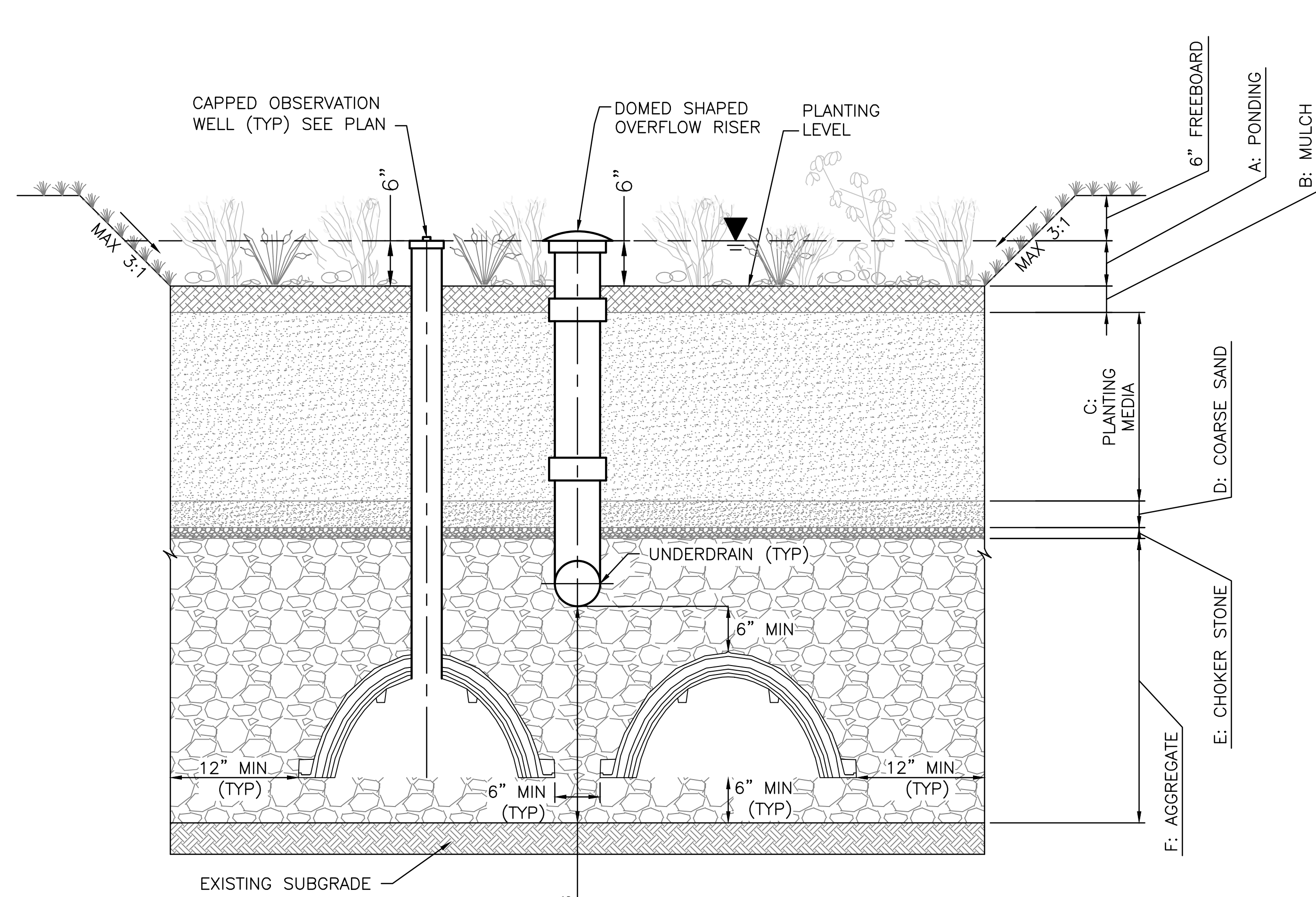
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REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
BIORETENTION DETAILS SHEET 1 CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA		
DATE	12/13/2019	RECOMMENDED	
CADD FILE	LPGA-C021		

TOWN OF LAKE PARK
DEPARTMENT OF PUBLIC WORKS
640 OLD DIXIE HWY
LAKE PARK, FL 33403
PHONE: (561) 881-3345
FAX: (561) 881-3349

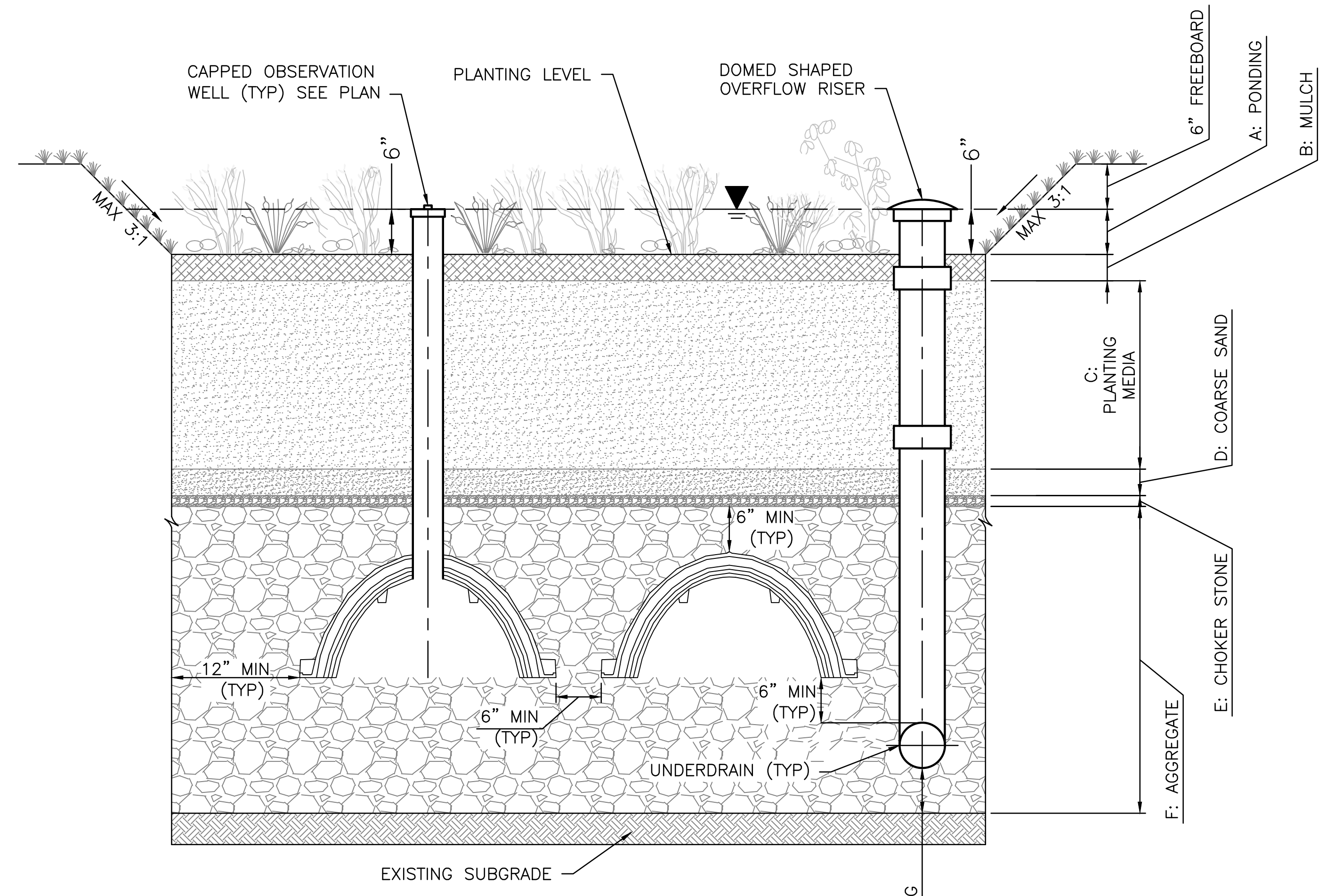
OWRMA FBPE CA26025
WATER RESOURCES MANAGEMENT ASSOCIATES, INC.
250 TEQUESTA DRIVE, SUITE 302, TEQUESTA, FL 33469
PHONE: 561-529-2075 | FAX: 561-401-9385

REDUCTION
VERIFICATION
SCALE

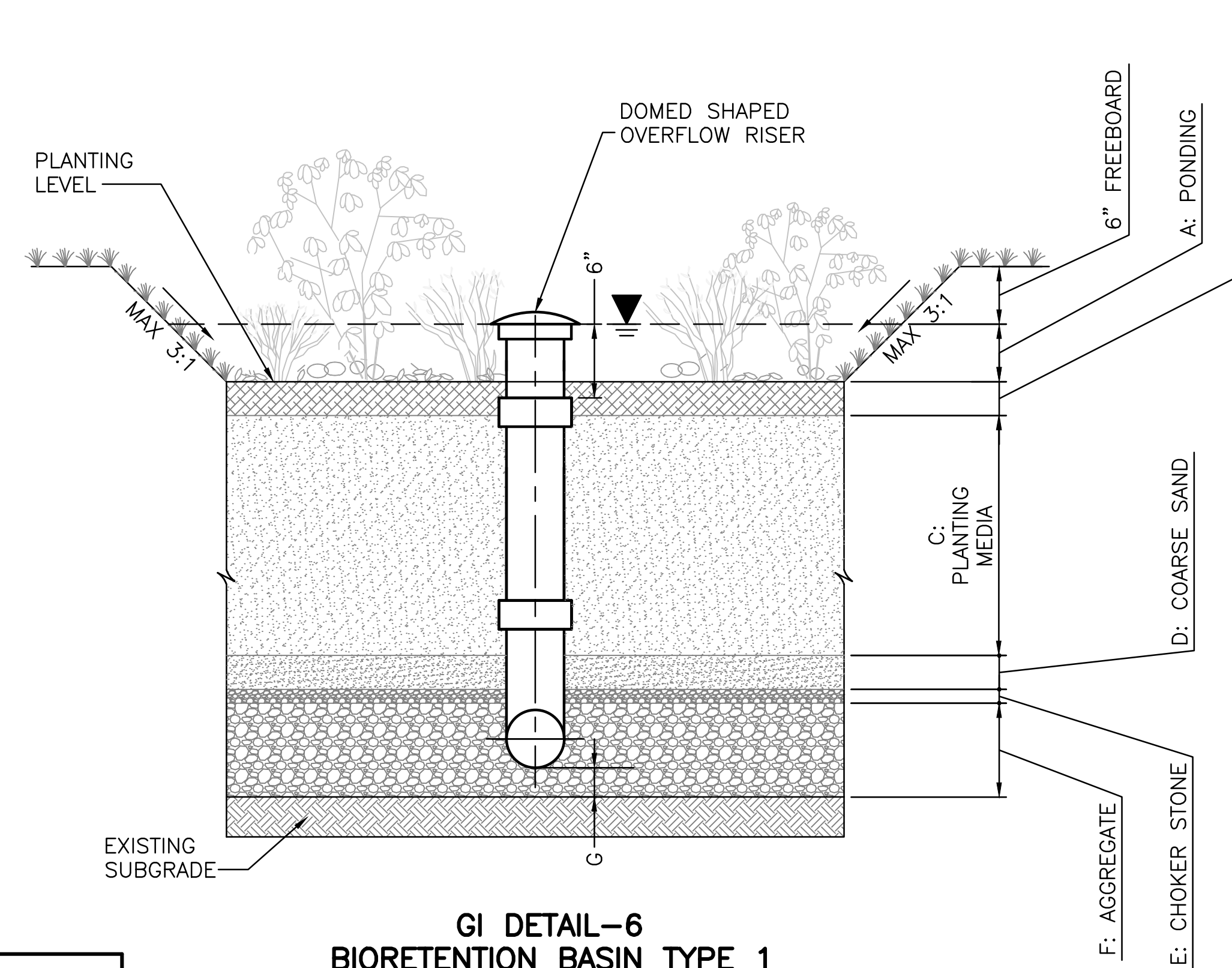
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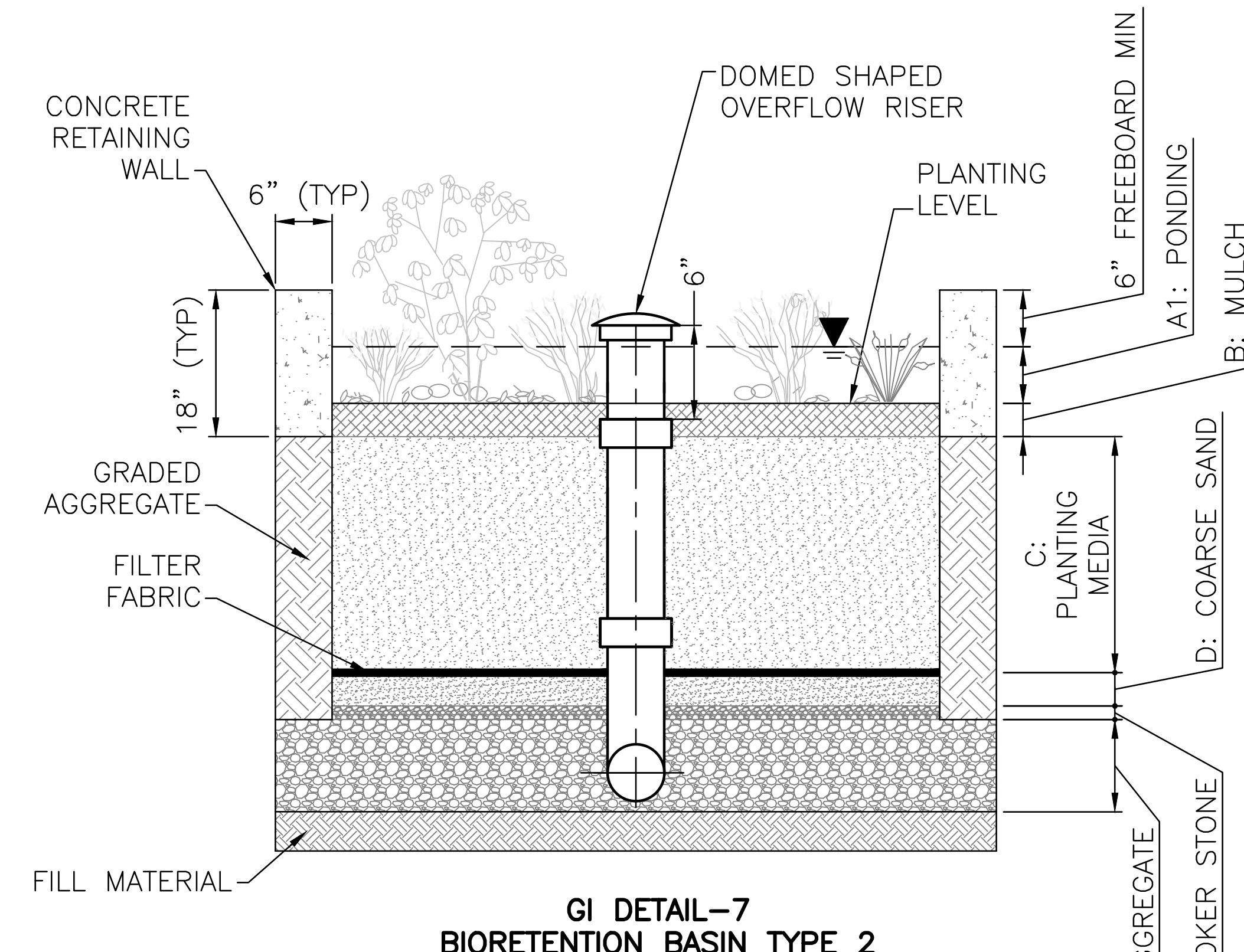
GI DETAIL-4
BIORETENTION CROSS SECTION WITH STORMTECH CHAMBER SC 740 CONFIGURATION A
 SCALE: NTS



GI DETAIL-5
BIORETENTION CROSS SECTION WITH STORMTECH CHAMBER SC 740 CONFIGURATION B
 SCALE: NTS



GI DETAIL-6
BIORETENTION BASIN TYPE 1
TYPICAL SWALE SECTION
 SCALE: NTS



GI DETAIL-7
BIORETENTION BASIN TYPE 2
TYPICAL RETAINING WALL SECTION
 SCALE: NTS

BIORETENTION DETAILS - SHEET II

30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			
TOWN OF LAKE PARK DEPARTMENT OF PUBLIC WORKS			
TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS GREEN INFRASTRUCTURE PROJECTS - DIVISION A 10TH STREET GREEN INFRASTRUCTURE			
BIORETENTION DETAILS SHEET II CIVIL			
SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-C022		

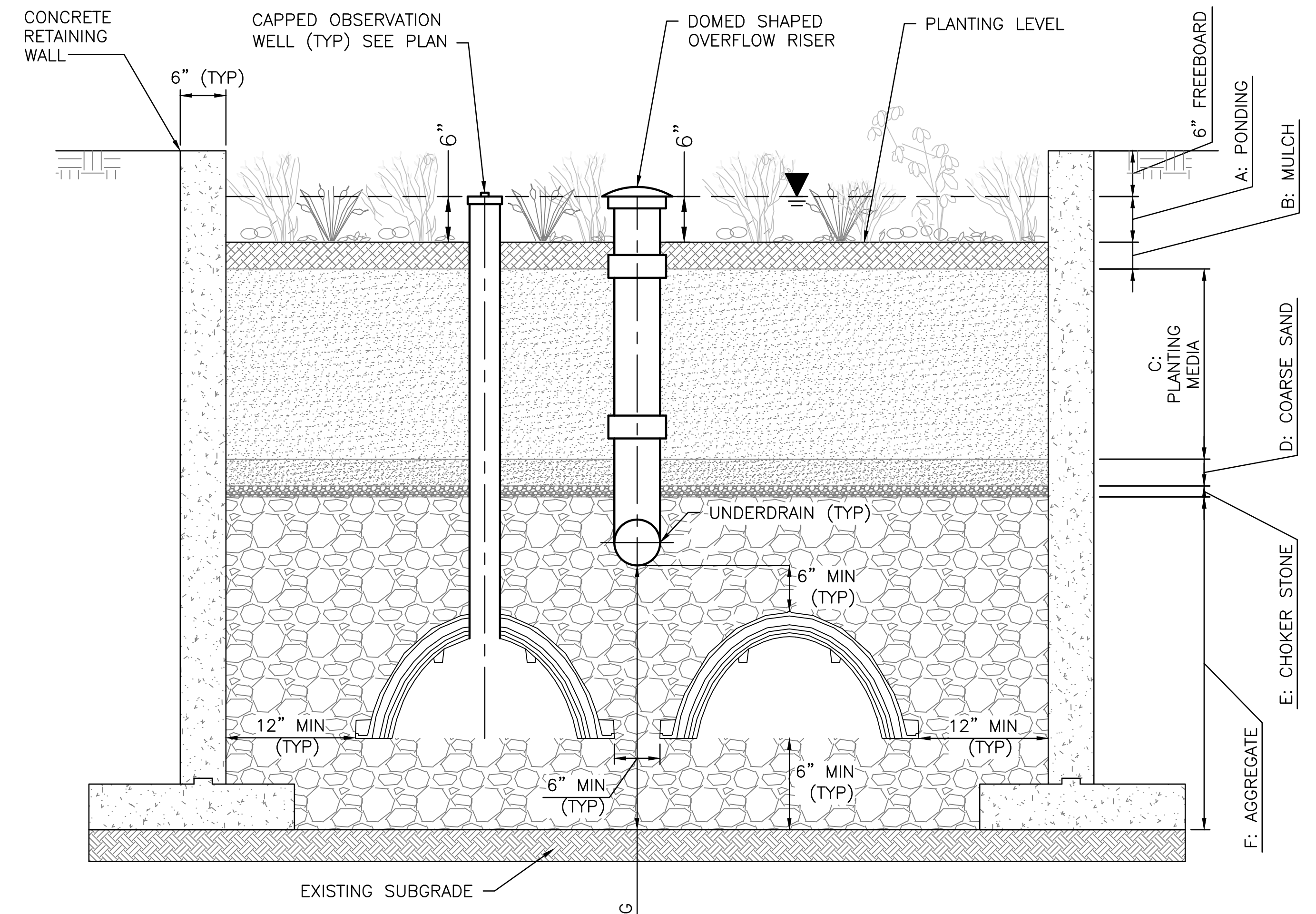
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 LAKE PARK, FL 33403
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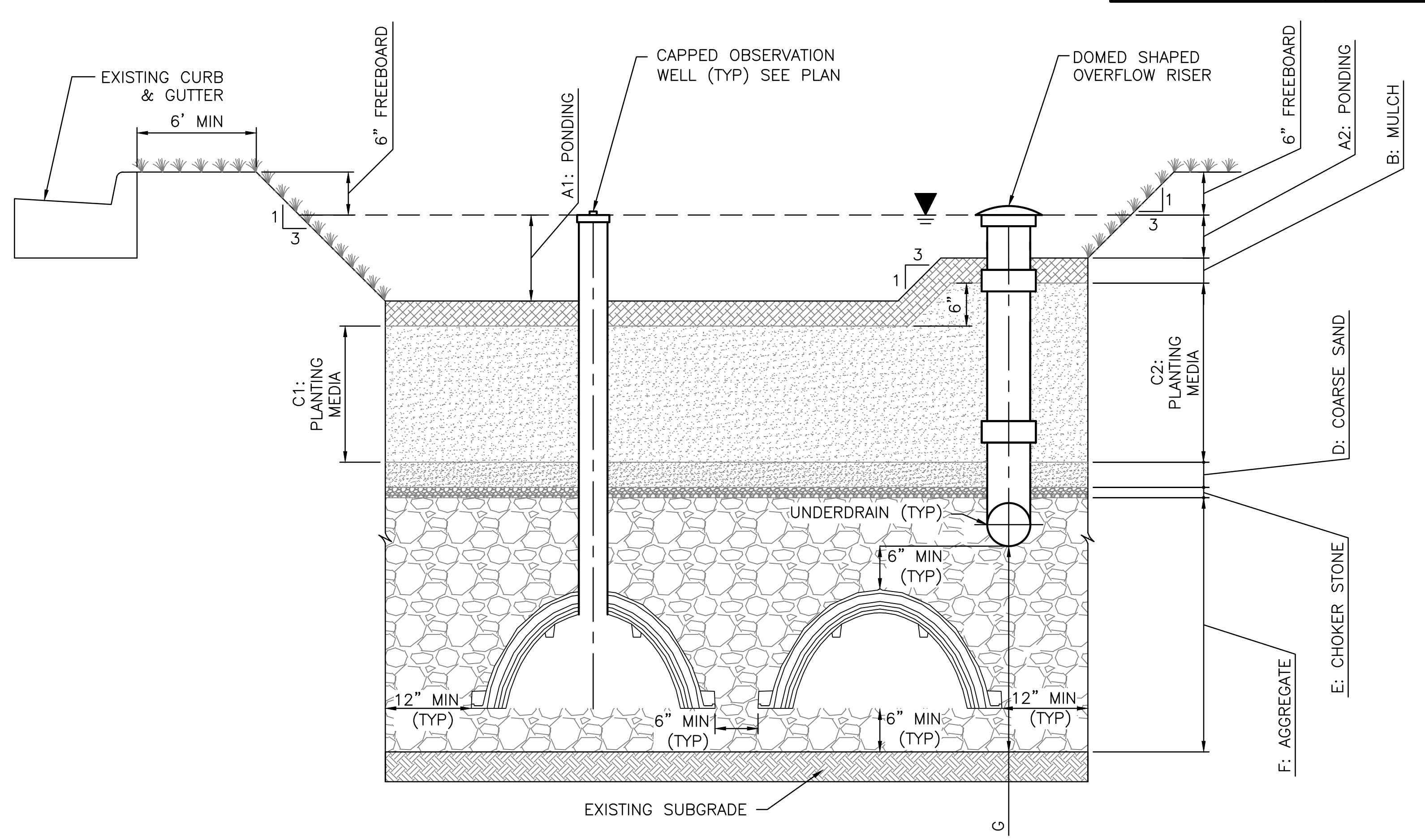
REDUCTION
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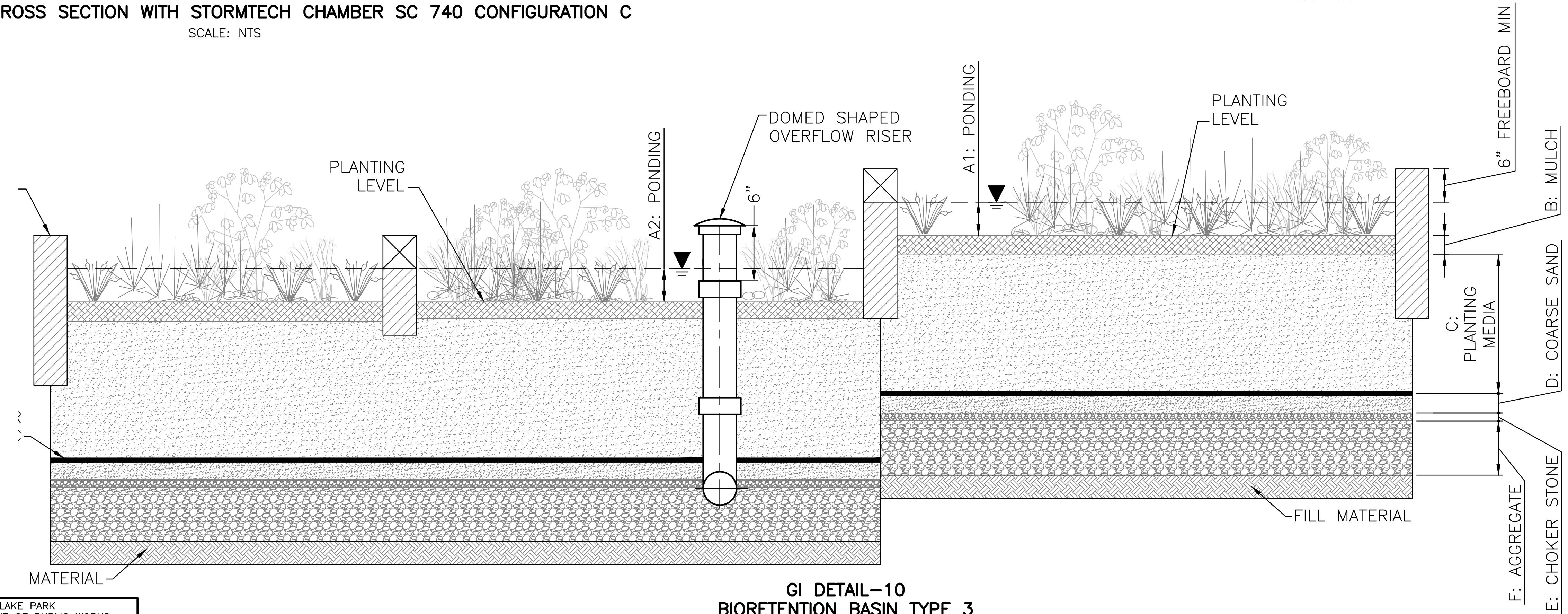
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GI DETAIL-8
BIORETENTION CROSS SECTION WITH STORMTECH CHAMBER SC 740 CONFIGURATION C
 SCALE: NTS



GI DETAIL-9
BIORETENTION CROSS SECTION WITH STORMTECH CHAMBER SC 740 CONFIGURATION D
 SCALE: NTS



GI DETAIL-10
BIORETENTION BASIN TYPE 3 CASCADING STEP POOLS
 SCALE: NTS
BIORETENTION DETAILS - SHEET III

30 PERCENT DESIGN

NO.	DESCRIPTION	BY	DATE
REVISIONS			

TOWN OF LAKE PARK
 DEPARTMENT OF PUBLIC WORKS
 TOWN OF LAKE PARK STORMWATER IMPROVEMENT PROJECTS
 GREEN INFRASTRUCTURE PROJECTS - DIVISION A
 10TH STREET GREEN INFRASTRUCTURE
BIORETENTION DETAILS
SHEET III
 CIVIL

SCALE	AS SHOWN	DRAWN	MRM
CLIENT ID	G012019	CHECKED	RRM
CONTRACT ID	G01201901	SUBMITTED	WRMA
SURVEYED	WRMA	RECOMMENDED	
DATE	12/13/2019		
CADD FILE	LPGA-C023		

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REDUCTION
 VERIFICATION
 SCALE

10 INCHES

PLOT DATE: 12/13/2019 12:14 PM
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