

ADDENDUM #5 REVISION SUMMARY



CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-4429 FAX: (954) 739-4420
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING SCIENTIST NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE, BUSINESS NO. C000114

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021
Certificate of Authorization No: 2771

ENGINEER:
PATRICK J. GIBNEY
REG. NO: 49428
DATE: 01/22/2021
TEL: 954-987-0066
FAX: 954-987-2949

COMPLETE SHEET UPDATE	NEW SHEET	REMOVE SHEET	SHEET NUMBER	SHEET NAME	DESCRIPTION OF CHANGE
X			GG-GN-01	TITLE SHEET AND LOCATION MAP	ADDED NOT FOR CONSTRUCTION NOTE & ADDED ENGINEER OF RECORD CONTACT.
	X		GG-GN-01A	ADDENDUM #5 REVISION SUMMARY	NEW SHEET. OUTLINE OF REVISIONS & DESCRIPTION OF CHANGES.
X			GG-GN-02	LIST OF DRAWINGS	COMPLETE SHEET UPDATE. 254 TOTAL SHEETS IN BID SET & 127 SHEETS IDENTIFIED WITH REVISION BLOCK NUMBER 1 FOR ADDED, REVISED, REMOVED OR REISSUED UNDER ADDENDUM #5. SHIFTED THE "CIVIL - STORMWATER FORCE MAIN" SECTION TO BE LOCATED UNDER THE "CIVIL - UTILITY RELOCATION" SECTION OF THE BID SET.
X			GG-GN-04	SYMBOLS	COMPLETE SHEET UPDATE. REMOVED "CONTRACTOR STAGING AREA" AND ADDED "ASPHALT ACCESS ROAD" HATCH.
X			GG-GN-07	CONTAMINATED SITES LOCATION SITE PLAN & KEY MAP	COMPLETE SHEET UPDATE. UPDATED UTILITIES SHOWN.
X			GG-GN-08	CONTAMINATED SITES LOCATION SITE PLAN	COMPLETE SHEET UPDATE. UPDATED UTILITIES SHOWN.
X			GG-GN-09	CONTAMINATED SITES LOCATION SITE PLAN	COMPLETE SHEET UPDATE. UPDATED UTILITIES SHOWN.
X			GG-GN-10	CONTAMINATED SITES LOCATION SITE PLAN	COMPLETE SHEET UPDATE. UPDATED UTILITIES SHOWN.
X			GG-GN-11	CONTAMINATED SITES LOCATION SITE PLAN	COMPLETE SHEET UPDATE. UPDATED UTILITIES SHOWN.
X			CX-KY-01	EXISTING CONDITIONS & DEMOLITION PLAN SITE KEY MAP	COMPLETE SHEET UPDATE. PROVIDED ADDITIONAL VIEWPORT FOR CX-ST-49.
X			CX-ST-03	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED EXISTING ASPHALT REMOVAL HATCHING WITHIN TOP VIEWPORT.
X			CX-ST-18	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED LABELS TO TOP VIEWPORT & MOVED LABELS ON BOTTOM VIEWPORT FOR CLARITY.
X			CX-ST-23	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. SLIGHT MODIFICATION TO CURB TO BE REMOVED LABELS ON BOTH VIEWPORTS FOR CLARITY.
X			CX-ST-25	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED EXISTING ASPHALT REMOVAL HATCHING WITHIN TOP VIEWPORT.
X			CX-ST-26	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED 15" RCP ABANDONMENT & ASPHALT REMOVAL HATCHING WITHIN BOTTOM VIEWPORT.
X			CX-ST-29	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED ADDITIONAL SURVEY INFORMATION WITHIN BOTH VIEWPORTS.
X			CX-ST-40	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED EXISTING CONCRETE & ASPHALT REMOVAL HATCHING WITHIN BOTH VIEWPORTS.
X			CX-ST-41	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED ADDITIONAL SURVEY INFORMATION AND ADDED EXISTING ASPHALT REMOVAL HATCHING WITHIN TOP VIEWPORT.
X			CX-ST-42	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED ADDITIONAL SURVEY INFORMATION ON BOTH VIEWPORTS.
X			CX-ST-43	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED ADDITIONAL SURVEY INFORMATION AND SLIGHT MODIFICATION OF CALLOUTS ON BOTH VIEWPORTS.
X			CX-ST-44	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDITIONAL SURVEY INFORMATION ON BOTTOM VIEWPORT AND ADDITIONAL MATCHLINE FOR SW 17TH AVE.
X			CX-ST-45	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDITIONAL SURVEY INFORMATION ON BOTTOM VIEWPORT AND ADDITIONAL MATCHLINE FOR SW 17TH AVE.
X			CX-ST-49	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED ADDITIONAL VIEWPORT FOR SW 17TH AVENUE AND ADDITIONAL SURVEY INFORMATION.
X			CX-ST-51	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED EXISTING ASPHALT REMOVAL HATCHING WITHIN BOTTOM VIEWPORT.
X			CX-ST-53	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDED CALLOUT FOR GAS RELOCATION AND ADDITIONAL SURVEY INFORMATION ON BOTH VIEWPORTS.
X			CX-ST-54	EXISTING CONDITIONS & DEMOLITION PLAN	COMPLETE SHEET UPDATE. ADDITIONAL SURVEY INFORMATION ON BOTH VIEWPORTS.
X			CU-KY-01	STORM DRAINAGE PLAN SITE KEY MAP	COMPLETE SHEET UPDATE. PROVIDED ADDITIONAL VIEWPORT FOR CU-ST-49B.
X			CU-CV-01	CHECK VALVE & PIPE LINING OVERALL PLAN	COMPLETE SHEET UPDATE. PROVIDED ADDITIONAL CHECK VALVE AT SW 13TH CIRCLE. PROVIDED OUTFALL PIPING TO BE CIPP LINED AND TYPICAL NOTE. TURNED OFF BLOCKS THAT WERE NOT RELEVANT TO PLAN SHEET.
	X		CU-SS-01	SUMMARY OF STORMWATER STRUCTURES	NEW SHEET ADDED TO SET. SHEET PROVIDES A SUMMARY OF STORMWATER STRUCTURES.
	X		CU-SS-02	SUMMARY OF STORMWATER STRUCTURES	NEW SHEET ADDED TO SET. SHEET PROVIDES A SUMMARY OF STORMWATER STRUCTURES.
	X		CU-SP-01	SUMMARY OF STORMWATER PIPES	NEW SHEET ADDED TO SET. SHEET PROVIDES A SUMMARY OF STORMWATER PIPES.
	X		CU-SP-02	SUMMARY OF STORMWATER PIPES	NEW SHEET ADDED TO SET. SHEET PROVIDES A SUMMARY OF STORMWATER PIPES.
X			CU-ST-01A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. MOVED LABEL ON PROFILE FOR GAS MAIN CROSSING FOR PLAN CLARITY.
X			CU-ST-01B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. MOVED LABEL ON PROFILE FOR GAS MAIN CROSSING FOR PLAN CLARITY.
X			CU-ST-02A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. MOVED LABEL ON PROFILE FOR GAS MAIN CROSSING FOR PLAN CLARITY.
X			CU-ST-18A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. REMOVED 16" STORMWATER FORCE MAIN CONNECTION AT THE BOX CULVERT (PLAN AND PROFILE)
X			CU-ST-18B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. REMOVED 16" STORMWATER FORCE MAIN AND SHIFTED LOCATION OF EXISTING GAS MAIN IN PLAN VIEW.
X			CU-ST-19A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. SHIFTED 16" STORMWATER FORCE MAIN AND PROVIDED CONNECTION INTO NEW 12'X6' CONFLICT STRUCTURE (S422). REMOVED 9'X9' CONFLICT STRUCTURE (S477) AND REMOVED 16" STORMWATER FORCE MAIN ALONG SW 20TH STREET. PROVIDED UPDATES TO PROFILE.
X			CU-ST-21B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. REMOVED CONNECTIONS TO THE EXISTING 72" RCP STORM DRAINAGE PIPE ALONG SW 12TH AVE. REMOVED 4'X4' CATCH BASIN (S413) AND PROVIDED NEW 15'X5' CONFLICT STRUCTURE (S496) TO ELIMINATE CONNECTION TO 72" STORM DRAINAGE PIPE AND PROVIDE CONNECTION TO NEW PUMP STATION #3C. SHIFTED STORMWATER FORCE MAIN ROUTING ALONG SW 12TH AVE. PROVIDED UPDATES TO PROFILE.
X			CU-ST-22A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. SHIFTED NORTH ARROW FOR PLAN CLARITY.
X			CU-ST-24B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-25A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. SHIFTED DIMENSIONS AWAY FROM STATION 80003+25 FOR PLAN CLARITY.
X			CU-ST-26A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. SHIFTED LABEL OVERLAPPING MANHOLE (S228).
X			CU-ST-26B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. REMOVED CONNECTIONS TO THE EXISTING 72" RCP STORM DRAINAGE PIPE ALONG SW 12TH AVE. REMOVED 4'X4' CATCH BASIN (S413) AND PROVIDED NEW 15'X5' CONFLICT STRUCTURE (S496) TO ELIMINATE CONNECTION TO 72" STORM DRAINAGE PIPE AND PROVIDE CONNECTION TO NEW PUMP STATION #3C. SHIFTED STORMWATER FORCE MAIN ROUTING ALONG SW 12TH AVE. PROVIDED UPDATES TO PROFILE.
X			CU-ST-31B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS. PROVIDED ADDITIONAL LABELS TO CLARIFY TEMPORARY 24" HDPE PIPING.
X			CU-ST-32A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS. PROVIDED ADDITIONAL LABELS TO CLARIFY TEMPORARY 24" HDPE PIPING. UPDATED S361 & S482 LABELS TO CLARIFY CONNECTED PIPES & MATERIAL.
X			CU-ST-35B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-36A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-37A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-38A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-38B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-39A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-39B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-40B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION FOR COCONUT DRIVE. SHIFTED LOCATION OF 4'X4' CB (S444) AND 12" CHECK VALVE.
X			CU-ST-41A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION FOR SW 17TH AVE. SHIFTED TEXT CALLOUT INFORMATION FOR PLAN CLARITY.
X			CU-ST-42A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION FOR SW 21ST ST.
X			CU-ST-42B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION FOR SW 22ND ST.
X			CU-ST-43A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-43B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-44A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-44B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION AND ADDITIONAL MATCHLINE FOR SW 17TH AVE. ADDED STORMWATER INFRASTRUCTURE ALONG SW 17TH AVE.
X			CU-ST-45A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-45B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION AND ADDITIONAL MATCHLINE FOR SW 17TH AVE. ADDED STORMWATER INFRASTRUCTURE ALONG SW 17TH AVE.
X			CU-ST-48A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
	X		CU-ST-49B	STORM DRAINAGE PLAN & PROFILE	NEW SHEET ADDED TO SET. PROVIDED ADDITIONAL INFRASTRUCTURE ALONG SW 17TH AVE. PLAN & PROFILE.

COMPLETE SHEET UPDATE	NEW SHEET	REMOVE SHEET	SHEET NUMBER	SHEET NAME	DESCRIPTION OF CHANGE
X			CU-ST-50A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-50B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-51A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-51B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-52A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-53A	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION FOR SW 21ST ST. PROVIDED NEW 15'X5' CONFLICT STRUCTURE (S496). REVISED WATER QUALITY STRUCTURE (S491). ADDED NOTES TO RECOVER EXISTING MANHOLE OPENING WITH NEW TOP SLAB AND RIM. PROVIDED UPDATES TO STORMWATER INFRASTRUCTURE ALONG SW 21ST ST. & SW 12TH AVE. FOR CONSISTENCY WITH OTHER PLAN SHEETS. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CU-ST-53B	STORM DRAINAGE PLAN & PROFILE	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION FOR SW 21ST ST.
X			CP-KY-01	PAVING & GRADING SITE KEY MAP	COMPLETE SHEET UPDATE. PROVIDED ADDITIONAL VIEWPORT FOR CP-ST-49.
	X		CP-KY-02	PAVING & GRADING OVERALL PLAN	NEW SHEET ADDED TO SET. SHEET ADDED TO PROVIDE OVERALL LIMITS OF PAVING.
X			CP-ST-01	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. CHANGED PRINT STYLE OF PROPOSED ELEVATIONS TO BLACK.
X			CP-ST-02	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. CHANGED PRINT STYLE OF PROPOSED ELEVATIONS TO BLACK.
X			CP-ST-03	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION. PLOT COLOR CHANGED FOR SWALES. PROVIDED NEW EDGE OF PAVEMENT LIMITS.
X			CP-ST-04	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-05	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED ELEVATIONS TO BOTTOM VIEWPORT. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-06	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-07	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-08	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-09	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-10	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-11	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-12	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-13	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-14	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-15	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-16	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-17	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED LABEL TO STRUCTURES IN TOP VIEWPORT. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-18	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. REMOVED STORMWATER FORCE MAIN CONNECTING TO BOX CULVERT & UPDATED PAVEMENT RESTORATION HATCHING. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-19	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. REMOVED STORMWATER FORCE MAIN CONNECTING TO BOX CULVERT & UPDATED PAVEMENT RESTORATION HATCHING. REMOVED CONFLICT STRUCTURE (S477) & MODIFIED CONFLICT STRUCTURE (S422) TO BE A 12'X6' CONFLICT STRUCTURE. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-20	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGE FOR SWALES.
X			CP-ST-21	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGE FOR SWALES.
X			CP-ST-22	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION TO BOTTOM VIEWPORT. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-23	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION TO BOTTOM VIEWPORT. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-24	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGE FOR SWALES.
X			CP-ST-25	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED PROPOSED ELEVATIONS TO ROAD RECONSTRUCTION ON TOP VIEWPORT. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-26	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. MODIFIED STORM INFRASTRUCTURE ON BOTTOM VIEWPORT. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-27	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION ON BOTTOM VIEWPORT. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-28	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGE FOR SWALES.
X			CP-ST-29	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGE FOR SWALES.
X			CP-ST-30	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PLOT COLOR CHANGE FOR SWALES.
X			CP-ST-31	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED AND MODIFIED SWALES & LABELED ACCESS ROAD. PLOT COLOR CHANGED FOR SWALES. PLOT COLOR CHANGED FOR STORM PIPING IN BOTTOM VIEWPORT.
X			CP-ST-32	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. MODIFIED SWALES & LABELED ACCESS ROAD. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-37	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. MODIFIED SWALES & LABELED ACCESS ROAD. PLOT COLOR CHANGED FOR SWALES.
X			CP-ST-40	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION. PROVIDED ADDITIONAL PROPOSED ELEVATIONS TO ROAD RECONSTRUCTION AREAS.
X			CP-ST-41	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. PROVIDED ADDITIONAL PROPOSED ELEVATIONS TO ROAD RECONSTRUCTION AREAS.
X			CP-ST-42	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION TO BOTH VIEWPORTS.
X			CP-ST-44	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDITIONAL SURVEY INFORMATION ON BOTTOM VIEWPORT & MATCHLINE TO CP-ST-49. PROVIDED ADDITIONAL PROPOSED ELEVATIONS TO NEW ROAD CONSTRUCTION AREAS.
X			CP-ST-45	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. ADDITIONAL SURVEY INFORMATION ON BOTTOM VIEWPORT & MATCHLINE TO CP-ST-49. PROVIDED ADDITIONAL PROPOSED ELEVATIONS TO NEW ROAD CONSTRUCTION AREAS.
X			CP-ST-49	PAVING & GRADING PLAN	COMPLETE SHEET UPDATE. REMOVED UNNECESSARY GRAVEL HATCH FROM SWALE AND DRIVEWAYS SOUTH OF SW 17TH AVE. CREATED ADDITIONAL VIEWPORT FOR SW 17TH AVE. PROVIDED ADDITIONAL PROPOSED ELEVATIONS TO NEW ROAD CONSTRUCTION AREAS.
		X	CU-SU-KY-01	STORMWATER FORCE MAIN SITE PLAN KEY MAP	SHEET REMOVED FROM SET.
X			CU-SU-01	STORMWATER FORCE MAIN PLAN & PROFILE	COMPLETE SHEET UPDATE. SHORTENED STORMWATER FM DESIGN AND PROVIDED ALL FM INFRASTRUCTURE ON ONE SHEET. SHEET NUMBER WAS CHANGED FROM CU-SU-04 TO CU-SU-01.
		X	CU-SU-02	STORMWATER FORCE MAIN PLAN AND PROFILE	SHEET REMOVED FROM SET.
		X	CU-SU-03	STORMWATER FORCE MAIN PLAN AND PROFILE	SHEET REMOVED FROM SET.
		X	CU-SU-04	STORMWATER FORCE MAIN PLAN AND PROFILE	SHEET REMOVED FROM SET.
X			CU-3C-01	PUMP STATION KEY MAP	COMPLETE SHEET UPDATE. UPDATED SHEET NAME TO INCLUDE CU IN PREFIX. ADDITIONAL SURVEY INFORMATION PROVIDED. LABELED STRUCTURE S494.
X			CU-3C-02	PUMP STATION EXISTING SITE PLAN AND DEMOLITION PLAN	COMPLETE SHEET UPDATE. UPDATED SHEET NAME TO INCLUDE CU IN PREFIX. ADDITIONAL SURVEY INFORMATION PROVIDED. HATCHING WAS REVISED TO SEPARATE CLEARING AND GRUBBING AREA FROM STAGING AREA.
X			CU-3C-03	PUMP STATION PROPOSED SITE PLAN	COMPLETE SHEET UPDATE. UPDATED SHEET NAME TO INCLUDE CU IN PREFIX. ADDITIONAL SURVEY INFORMATION PROVIDED. LABELED NEW 15'X5' CONFLICT STRUCTURE (S496) AND OTHER STRUCTURE NUMBERS FOR PLAN CONSISTENCY.
X			CU-3C-04	PUMP STATION PROPOSED PLAN	COMPLETE SHEET UPDATE. UPDATED SHEET NAME TO INCLUDE CU IN PREFIX. ORIENTATION OF PIPING AND PUMP DETAILS WERE REVISED PER COORDINATION WITH PUMP MANUFACTURER.
	X		CU-3C-05	PUMP STATION PROPOSED ELECTRIC UTILITY WIRING	NEW SHEET ADDED TO SET.
	X		CU-3C-06	PUMP STATION PROPOSED ELECTRICAL SERVICE PLAN	NEW SHEET ADDED TO SET.
X			CZ-DT-12	CITY STANDARD DETAILS UTILITY SEPARATION AND CROSSING	UPDATED NOTE TO INCLUDE SHEET NUMBERS WHERE DETAIL APPLIES.
X			CZ-DT-18	CITY STANDARD DETAILS PAVING AND GRADING - SHEET 5	ADDED DETAIL FOR SANITARY SEWER LATERAL CROSSINGS FOR OPTION C.
	X		CZ-DT-20A	WATER QUALITY CONTROL STRUCTURE DETAILS	NEW SHEET ADDED TO SET. SHEET ADDED TO PROVIDE DETAILS FOR WATER QUALITY STRUCTURE S491.
X			CZ-DT-21	BOX CULVERT, HEADWALL & GUARDRAIL DETAILS	COMPLETE SHEET UPDATE. ADDED SURVEY INFORMATION TO VIEWPORT. ADDED FDOT INDEX NUMBER FOR BARRIER WALL. UPDATED STRUCTURAL DESIGN REQUIREMENTS FOR CONTRACTOR. UPDATED TYPICAL RETEMENT SECTION DETAIL & ADDED HATCH FOR LIMITS OF RETEMENT INSTALLATION.
X			CZ-DT-22	SWALE AND TYPICAL MILL & OVERLAY DETAILS	6" SWALE PROFILE REVISED TO SHOW 4" COMPACTED SUBGRADE.

DRAWN BY: XXX
DATE: 01/07/2019
DESIGNED BY: XXX
SCALE: N.T.S.
CHECKED BY: XXX
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	REVISIONS	DESCRIPTION
1.	04/07/21	MR ADS	ADD #5 SHEET	ADDED TO SET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
ADDENDUM #5 REVISION
SUMMARY

SHEET NO.
GG-GN-01A
TOTAL: 254
CAD FILE: 11868-GG-GN02
DRAWING FILE NO. 4-142-42

BID SET

LIST OF DRAWINGS

CIVIL – GENERAL	
SHEET NO.	SHEET TITLE
GG-GN-01	TITLE SHEET AND LOCATION MAP
GG-GN-01A	ADDENDUM #5 REVISION SUMMARY
GG-GN-02	LIST OF DRAWINGS
GG-GN-03	ABBREVIATIONS
GG-GN-04	SYMBOLS
GG-GN-05	GENERAL NOTES
GG-GN-06	SOIL BORING LOCATION MAP
GG-GN-07	CONTAMINATED SITES LOCATION SITE PLAN & KEY MAP
GG-GN-08	CONTAMINATED SITES LOCATION SITE PLAN
GG-GN-09	CONTAMINATED SITES LOCATION SITE PLAN
GG-GN-10	CONTAMINATED SITES LOCATION SITE PLAN
GG-GN-11	CONTAMINATED SITES LOCATION SITE PLAN

CIVIL – STORM DRAINAGE	
SHEET NO.	SHEET TITLE
CU-KY-01	STORM DRAINAGE PLAN SITE KEY MAP
CU-CV-01	CHECK VALVE & PIPE LINING OVERALL PLAN
CU-SS-01	SUMMARY OF STORMWATER STRUCTURES
CU-SS-02	SUMMARY OF STORMWATER STRUCTURES
CU-SP-01	SUMMARY OF STORMWATER PIPES
CU-SP-02	SUMMARY OF STORMWATER PIPES
CU-ST-01A	STORM DRAINAGE PLAN & PROFILE
CU-ST-01B	STORM DRAINAGE PLAN & PROFILE
CU-ST-02A	STORM DRAINAGE PLAN & PROFILE
CU-ST-02B	STORM DRAINAGE PLAN & PROFILE
CU-ST-16B	STORM DRAINAGE PLAN & PROFILE
CU-ST-16C	STORM DRAINAGE PLAN & PROFILE
CU-ST-17A	STORM DRAINAGE PLAN & PROFILE
CU-ST-17B	STORM DRAINAGE PLAN & PROFILE
CU-ST-17C	STORM DRAINAGE PLAN & PROFILE
CU-ST-18A	STORM DRAINAGE PLAN & PROFILE
CU-ST-18B	STORM DRAINAGE PLAN & PROFILE
CU-ST-18C	STORM DRAINAGE PLAN & PROFILE
CU-ST-19A	STORM DRAINAGE PLAN & PROFILE
CU-ST-19B	STORM DRAINAGE PLAN & PROFILE
CU-ST-20A	STORM DRAINAGE PLAN & PROFILE
CU-ST-21B	STORM DRAINAGE PLAN & PROFILE
CU-ST-22A	STORM DRAINAGE PLAN & PROFILE
CU-ST-22A	STORM DRAINAGE PLAN & PROFILE
CU-ST-24B	STORM DRAINAGE PLAN & PROFILE
CU-ST-24C	STORM DRAINAGE PLAN & PROFILE
CU-ST-25A	STORM DRAINAGE PLAN & PROFILE
CU-ST-25C	STORM DRAINAGE PLAN & PROFILE
CU-ST-26A	STORM DRAINAGE PLAN & PROFILE
CU-ST-26B	STORM DRAINAGE PLAN & PROFILE
CU-ST-29B	STORM DRAINAGE PLAN & PROFILE
CU-ST-29C	STORM DRAINAGE PLAN & PROFILE
CU-ST-30A	STORM DRAINAGE PLAN & PROFILE
CU-ST-30B	STORM DRAINAGE PLAN & PROFILE
CU-ST-31A	STORM DRAINAGE PLAN & PROFILE
CU-ST-31B	STORM DRAINAGE PLAN & PROFILE
CU-ST-32A	STORM DRAINAGE PLAN & PROFILE
CU-ST-32B	STORM DRAINAGE PLAN & PROFILE
CU-ST-32C	STORM DRAINAGE PLAN & PROFILE
CU-ST-33A	STORM DRAINAGE PLAN & PROFILE
CU-ST-33B	STORM DRAINAGE PLAN & PROFILE
CU-ST-33C	STORM DRAINAGE PLAN & PROFILE
CU-ST-34A	STORM DRAINAGE PLAN & PROFILE
CU-ST-34B	STORM DRAINAGE PLAN & PROFILE
CU-ST-34C	STORM DRAINAGE PLAN & PROFILE
CU-ST-35A	STORM DRAINAGE PLAN & PROFILE
CU-ST-35B	STORM DRAINAGE PLAN & PROFILE
CU-ST-35C	STORM DRAINAGE PLAN & PROFILE
CU-ST-36A	STORM DRAINAGE PLAN & PROFILE
CU-ST-36B	STORM DRAINAGE PLAN & PROFILE
CU-ST-36C	STORM DRAINAGE PLAN & PROFILE
CU-ST-37A	STORM DRAINAGE PLAN & PROFILE
CU-ST-38A	STORM DRAINAGE PLAN & PROFILE
CU-ST-38B	STORM DRAINAGE PLAN & PROFILE
CU-ST-38C	STORM DRAINAGE PLAN & PROFILE
CU-ST-39A	STORM DRAINAGE PLAN & PROFILE
CU-ST-39B	STORM DRAINAGE PLAN & PROFILE
CU-ST-40A	STORM DRAINAGE PLAN & PROFILE
CU-ST-40B	STORM DRAINAGE PLAN & PROFILE
CU-ST-41A	STORM DRAINAGE PLAN & PROFILE
CU-ST-42A	STORM DRAINAGE PLAN & PROFILE
CU-ST-42B	STORM DRAINAGE PLAN & PROFILE
CU-ST-42C	STORM DRAINAGE PLAN & PROFILE
CU-ST-43A	STORM DRAINAGE PLAN & PROFILE
CU-ST-43B	STORM DRAINAGE PLAN & PROFILE
CU-ST-43C	STORM DRAINAGE PLAN & PROFILE
CU-ST-44A	STORM DRAINAGE PLAN & PROFILE
CU-ST-44B	STORM DRAINAGE PLAN & PROFILE
CU-ST-45A	STORM DRAINAGE PLAN & PROFILE
CU-ST-45B	STORM DRAINAGE PLAN & PROFILE
CU-ST-45C	STORM DRAINAGE PLAN & PROFILE

CIVIL – STORM DRAINAGE (CONTINUED)	
SHEET NO.	SHEET TITLE
CU-ST-46A	STORM DRAINAGE PLAN & PROFILE
CU-ST-46B	STORM DRAINAGE PLAN & PROFILE
CU-ST-46C	STORM DRAINAGE PLAN & PROFILE
CU-ST-47A	STORM DRAINAGE PLAN & PROFILE
CU-ST-48A	STORM DRAINAGE PLAN & PROFILE
CU-ST-49B	STORM DRAINAGE PLAN & PROFILE
CU-ST-50A	STORM DRAINAGE PLAN & PROFILE
CU-ST-50B	STORM DRAINAGE PLAN & PROFILE
CU-ST-51A	STORM DRAINAGE PLAN & PROFILE
CU-ST-51B	STORM DRAINAGE PLAN & PROFILE
CU-ST-51C	STORM DRAINAGE PLAN & PROFILE
CU-ST-52A	STORM DRAINAGE PLAN & PROFILE
CU-ST-52C	STORM DRAINAGE PLAN & PROFILE
CU-ST-53A	STORM DRAINAGE PLAN & PROFILE
CU-ST-53B	STORM DRAINAGE PLAN & PROFILE

CIVIL – UTILITY RELOCATION	
SHEET NO.	SHEET TITLE
CU-UR-KY-01	UTILITY RELOCATION SITE KEY MAP
CU-UR-01	UTILITY RELOCATION PLAN
CU-UR-02	UTILITY RELOCATION PLAN
CU-UR-03	UTILITY RELOCATION PLAN
CU-UR-04	UTILITY RELOCATION PLAN
CU-UR-05	UTILITY RELOCATION PLAN
CU-UR-06	UTILITY RELOCATION PLAN
CU-UR-07	UTILITY RELOCATION PLAN
CU-UR-08	UTILITY RELOCATION PLAN
CU-UR-09	UTILITY RELOCATION PLAN

CIVIL – DETAILS	
SHEET NO.	SHEET TITLE
CZ-DT-01	CITY STANDARD DETAILS DEMOLITION NOTES – SHEET 1
CZ-DT-02	CITY STANDARD DETAILS DEMOLITION NOTES – SHEET 2
CZ-DT-03	CITY STANDARD DETAILS GENERAL NOTES
CZ-DT-04	CITY STANDARD DETAILS EROSION CONTROL – SHEET 1
CZ-DT-05	CITY STANDARD DETAILS EROSION CONTROL – SHEET 2
CZ-DT-06	CITY STANDARD DETAILS EROSION CONTROL – SHEET 3
CZ-DT-07	CITY STANDARD DETAILS STORM DRAINAGE – SHEET 1
CZ-DT-08	CITY STANDARD DETAILS STORM DRAINAGE – SHEET 2
CZ-DT-09	CITY STANDARD DETAILS STORM DRAINAGE – SHEET 3
CZ-DT-10	CITY STANDARD DETAILS STORM DRAINAGE – SHEET 3
CZ-DT-11	CITY STANDARD DETAILS UTILITY SEPARATION AND CROSSING
CZ-DT-12	CITY STANDARD DETAILS PAVING AND GRADING – SHEET 1
CZ-DT-13	CITY STANDARD DETAILS PAVING AND GRADING – SHEET 2
CZ-DT-14	CITY STANDARD DETAILS PAVING AND GRADING – SHEET 3
CZ-DT-15	CITY STANDARD DETAILS PAVING AND GRADING – SHEET 4
CZ-DT-16	CITY STANDARD DETAILS PAVING AND GRADING – SHEET 5
CZ-DT-17	CITY STANDARD DETAILS PAVING AND GRADING – SHEET 6
CZ-DT-18	CITY STANDARD DETAILS PAVING AND GRADING – SHEET 7
CZ-DT-19	WATER QUALITY CONTROL STRUCTURE DETAILS
CZ-DT-20A	WATER QUALITY CONTROL STRUCTURE DETAILS
CZ-DT-20B	WATER QUALITY CONTROL STRUCTURE DETAILS
CZ-DT-21	BOX CULVERT, HEADWALL & GUARDRAIL DETAILS
CZ-DT-22	SWALE AND TYPICAL MILL & OVERLAY DETAILS

CIVIL – EXISTING SITE & DEMOLITION	
SHEET NO.	SHEET TITLE
CX-KY-01	EXISTING CONDITIONS & DEMOLITION PLAN SITE KEY MAP
CX-ST-01	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-02	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-03	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-04	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-05	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-06	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-07	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-08	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-09	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-10	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-11	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-12	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-13	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-14	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-15	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-16	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-17	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-18	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-19	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-20	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-21	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-22	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-23	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-24	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-25	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-26	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-27	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-28	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-29	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-30	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-31	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-32	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-33	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-34	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-35	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-36	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-37	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-38	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-39	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-40	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-41	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-42	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-43	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-44	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-45	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-46	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-47	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-48	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-49	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-50	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-51	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-52	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-53	EXISTING CONDITIONS & DEMOLITION PLAN
CX-ST-54	EXISTING CONDITIONS & DEMOLITION PLAN


CIVIL – PAVING & GRADING	
SHEET NO.	SHEET TITLE
CP-KY-01	PAVING & GRADING SITE KEY MAP
CP-KY-02	PAVING & GRADING OVERALL PLAN
CP-ST-01	PAVING & GRADING PLAN
CP-ST-02	PAVING & GRADING PLAN
CP-ST-03	PAVING & GRADING PLAN
CP-ST-04	PAVING & GRADING PLAN
CP-ST-05	PAVING & GRADING PLAN
CP-ST-06	PAVING & GRADING PLAN
CP-ST-07	PAVING & GRADING PLAN
CP-ST-08	PAVING & GRADING PLAN
CP-ST-09	PAVING & GRADING PLAN
CP-ST-10	PAVING & GRADING PLAN
CP-ST-11	PAVING & GRADING PLAN
CP-ST-12	PAVING & GRADING PLAN
CP-ST-13	PAVING & GRADING PLAN
CP-ST-14	PAVING & GRADING PLAN
CP-ST-15	PAVING & GRADING PLAN
CP-ST-16	PAVING & GRADING PLAN
CP-ST-17	PAVING & GRADING PLAN
CP-ST-18	PAVING & GRADING PLAN
CP-ST-19	PAVING & GRADING PLAN
CP-ST-20	PAVING & GRADING PLAN
CP-ST-21	PAVING & GRADING PLAN
CP-ST-22	PAVING & GRADING PLAN
CP-ST-23	PAVING & GRADING PLAN
CP-ST-24	PAVING & GRADING PLAN
CP-ST-25	PAVING & GRADING PLAN
CP-ST-26	PAVING & GRADING PLAN
CP-ST-27	PAVING & GRADING PLAN
CP-ST-28	PAVING & GRADING PLAN
CP-ST-29	PAVING & GRADING PLAN
CP-ST-30	PAVING & GRADING PLAN
CP-ST-31	PAVING & GRADING PLAN
CP-ST-32	PAVING & GRADING PLAN
CP-ST-33	PAVING & GRADING PLAN
CP-ST-34	PAVING & GRADING PLAN
CP-ST-35	PAVING & GRADING PLAN
CP-ST-36	PAVING & GRADING PLAN
CP-ST-37	PAVING & GRADING PLAN
CP-ST-38	PAVING & GRADING PLAN
CP-ST-39	PAVING & GRADING PLAN
CP-ST-40	PAVING & GRADING PLAN
CP-ST-41	PAVING & GRADING PLAN
CP-ST-42	PAVING & GRADING PLAN
CP-ST-43	PAVING & GRADING PLAN
CP-ST-44	PAVING & GRADING PLAN
CP-ST-45	PAVING & GRADING PLAN
CP-ST-46	PAVING & GRADING PLAN
CP-ST-47	PAVING & GRADING PLAN
CP-ST-48	PAVING & GRADING PLAN
CP-ST-49	PAVING & GRADING PLAN
CP-ST-50	PAVING & GRADING PLAN
CP-ST-51	PAVING & GRADING PLAN
CP-ST-52	PAVING & GRADING PLAN
CP-ST-53	PAVING & GRADING PLAN
CP-ST-54	PAVING & GRADING PLAN

CIVIL – STORMWATER FORCE MAIN	
SHEET NO.	SHEET TITLE
CU-SU-KY01	STORMWATER FORCE MAIN SITE PLAN KEY MAP
CU-SU-01	STORMWATER FORCE MAIN PLAN & PROFILE
CU-SU-02	STORMWATER FORCE MAIN PLAN & PROFILE
CU-SU-03	STORMWATER FORCE MAIN PLAN & PROFILE
CU-SU-04	STORMWATER FORCE MAIN PLAN & PROFILE

CIVIL – PUMP STATION	
SHEET NO.	SHEET TITLE
CU-3C-01	PUMP STATION KEY MAP
CU-3C-02	PUMP STATION EXISTING SITE AND DEMOLITION PLAN
CU-3C-03	PUMP STATION PROPOSED SITE PLAN
CU-3C-04	PUMP STATION PROPOSED PLAN
CU-3C-05	PUMP STATION PROPOSED ELECTRICAL SERVICE PLAN
CU-3C-06	PUMP STATION PROPOSED ELECTRICAL SERVICE PLAN

CIVIL – WATER MAIN EXTENSION PLAN	
SHEET NO.	SHEET TITLE
C-1	COVER SHEET
C-2	GENERAL NOTES
C-3	WATER MAIN EXTENSION PLAN
C-4	WATER DETAILS AND NOTES
C-5	WATER DETAILS AND NOTES

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISONS		DESCRIPTION
NO.	DATE	BY
1.	04/07/21	MR. ADS
		ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
LIST OF DRAWINGS

SHEET NO.	GG-GN-02
TOTAL:	254
CAD FILE:	11868-GG-GN02
DRAWING FILE NO.	4-142-42

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6459 FAX: (954) 739-6450

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 0200114

BID SET

LINETYPES

SYMBOLS, LEGEND AND HATCH PATTERNS

SECTION AND DETAIL IDENTIFICATION

COMMUNICATION, CABLE TV, TELEPHONE:

- COM(CT) — COMCAST LINES
- COM OH — COMMUNICATIONS
- COM(CC) — CROWN CASTLE LINES
- COM(FD) — FIBERNET DIRECT LINES
- COM(L3) — LEVEL 3 LINES
- GPS OH — GPG LINES
- UGT — UNDERGROUND TELEPHONE LINES
- OHT — OVERHEAD TELEPHONE LINES

ELECTRIC LINES:

- X-X ELEC — ELECTRIC DUCT (X-X = WIRES/GUAGE)
- UGE — UNDERGROUND ELECTRIC LINES
- OHE — OVERHEAD ELECTRIC LINES

OTHERS LINES:

- GAS — GAS MAIN (SIZE UNKNOWN)
- X" GAS — GAS MAIN (SIZE)
- AIR — UNDERGROUND AIR LINE
- FM — SANITARY FORCE MAIN (SIZE UNKNOWN)
- X" FM — SANITARY FORCE MAIN (SIZE)
- X" PVC FM — SANITARY FORCEMAIN (SIZE/MATERIAL)
- SAN — SANITARY GRAVITY (SIZE UNKNOWN)
- X" SAN — SANITARY GRAVITY MAIN (SIZE)
- X" PVC SAN — SANITARY GRAVITY (SIZE/MATERIAL)
- SD — STORM DRAINAGE (SIZE UNKNOWN)
- X" SD — STORM DRAINAGE (SIZE)
- X" PVC SD — STORM DRAINAGE (SIZE/MATERIAL)
- WM — WATER MAIN (SIZE UNKNOWN)
- X" WM — WATER MAIN (SIZE)
- X" DIP WM — WATER MAIN (SIZE/MATERIAL)
- OHW — OVER HEAD WIRES (TYPE UNKNOWN)
- UNK UG — UNDERGROUND LINE (TYPE UNKNOWN)
- /// — ABANDONED
- X X X X X — DEMOLISHED
- — — — — EXISTING
- — — — — PROPOSED
- — — — — PROPOSED PIPELINE (DOUBLE LINE IF SCALE OF DRAWING PERMITS)
- — — — — PLASTIC FENCE
- — — — — WOODEN FENCE
- — — — — WROUGHT IRON FENCE
- X-X-X-X- CHAIN LINK FENCE
- BOARD FENCE
- - - - - PROPERTY / RIGHT-OF-WAY LINE
- - - - - CENTER LINE
- - - - - EASEMENT LINE

LANDSCAPING SYMBOLS:

- PALM TREE
- SHADE TREE
- PINE TREE
- CACTUS
- HEDGE
- VEGETATION
- BUSH
- UNKNOWN TREE

LEGEND:

A/C

- AIR CONDITIONING UNIT
- AIR RELEASE VALVE
- AIR VALVE MANHOLE
- ANCHOR
- BACK FLOW PREVENTER
- BASKET BALL HOOP
- BBQ GRILL
- BLOW-OFF VALVE
- BOAT ANCHOR CLEAT
- BOLLARD
- BUILDING COLUMN/PILE
- CATV PEDESTAL
- CATCH BASIN
- CATCH BASIN INLET
- CLEAN OUT
- COMMUNICATION MANHOLE
- COMMUNICATION VAULT
- CONCRETE LIGHT POLE
- CONCRETE POST
- CONCRETE POWER POLE
- CONTOUR LINE ELEVATION
- CROSS FITTING
- CURB INLET
- DECORATIVE/YARD LIGHT POLE
- DETECTOR CHECK VALVE
- DOUBLE DETECTOR CHECK VALVE
- ELECTRIC BOX
- ELECTRIC MANHOLE
- ELECTRIC METER
- ELECTRIC METER/SERVICE
- ELECTRIC OUTLET
- ELECTRIC PEDESTAL
- ELECTRIC PULL BOX
- ELECTRIC VAULT
- EXISTING SPOT ELEVATION

LEGEND CONT:

- FIRE HYDRANT
- FIBER OPTIC PEDESTAL
- FLAG POLE
- FORCE MAIN VALVE
- GAS FUEL CAP
- GAS MARKER
- GAS METER
- GAS VALVE
- GAS WELL
- GATE CONTROL BOX
- GREASE TRAP MH
- GUY ANCHOR AND WIRE
- HOSE BIBB
- IRRIGATION CONTROL VALVE
- LIFT STATION
- LIFT STATION CAN
- LIGHT POLE
- LP GAS TANK
- MAILBOX
- MAIL DROP BOX
- MANHOLE
- MARKER POST
- METAL LIGHT POLE
- MONITORING WELL
- OUTFALL
- PARK BENCH
- PEDESTRIAN SIGNAL
- PILE
- PIN FLAG
- PIPE MATERIAL CHANGE
- PARKING LIGHT 1 BULB
- PARKING LIGHT 1 BULB
- PARKING LIGHT 2 BULBS
- PARKING LIGHT 2 BULBS
- PARKING LIGHT 3 BULBS
- PARKING LIGHT 3 BULBS
- PARKING LIGHT 4 BULBS
- PARKING LIGHT 4 BULBS
- PARKING METER
- PARKING METER (DOUBLE)
- PLUG
- POST INDICATOR VALVE
- REDUCER
- ROOF DRAIN

LEGEND CONT:

- RAILROAD CROSSING GATE
- REDUCER FITTING
- SANITARY CLEAN OUT
- SANITARY MANHOLE
- SANITARY WYE LATERAL
- SIAMESE VALVE
- SIGN
- SIGN DOUBLE POST
- SPOT-FLOOD LIGHT
- SPRINKLER HEAD
- SOIL BORING
- SQUARE COLUMN
- STEEL I-BEAM
- STORM CLEAN OUT
- STORM MANHOLE
- STORM DRAINAGE VAULT
- TEE FITTING
- TELEPHONE BOOTH
- TELEPHONE JUNCTION BOX
- TELEPHONE MANHOLE
- TELEPHONE ON PEDESTAL
- TELEPHONE PEDESTAL
- TELEPHONE PULL BOX
- TELEPHONE VAULT
- TEST EXCAVATION LOCATION
- TEST HOLES
- TOWER
- TRAFFIC CAMERA
- TRAFFIC CONTROL
- TRAFFIC POLE
- TRAFFIC PULL BOX
- TRAFFIC SIGNAL BOX
- TRAFFIC SIGNAL POLE
- TRANSFORMER PAD
- TRASH CAN
- TRASH CAN
- UNKNOWN MANHOLE
- VALLEY CURB INLET
- VALVE BOX
- VALVE PIPE
- WATER MANHOLE
- WATER METER
- WATER METER
- WATER METER (DOUBLE)
- WATER PUMP

LEGEND CONT:

- WATER VALVE
- WATER VAULT
- WATER WELL
- WOOD POST
- WOOD LIGHT POLE
- WOOD TELEPHONE POLE
- WOOD POWER POLE
- YARD DRAIN

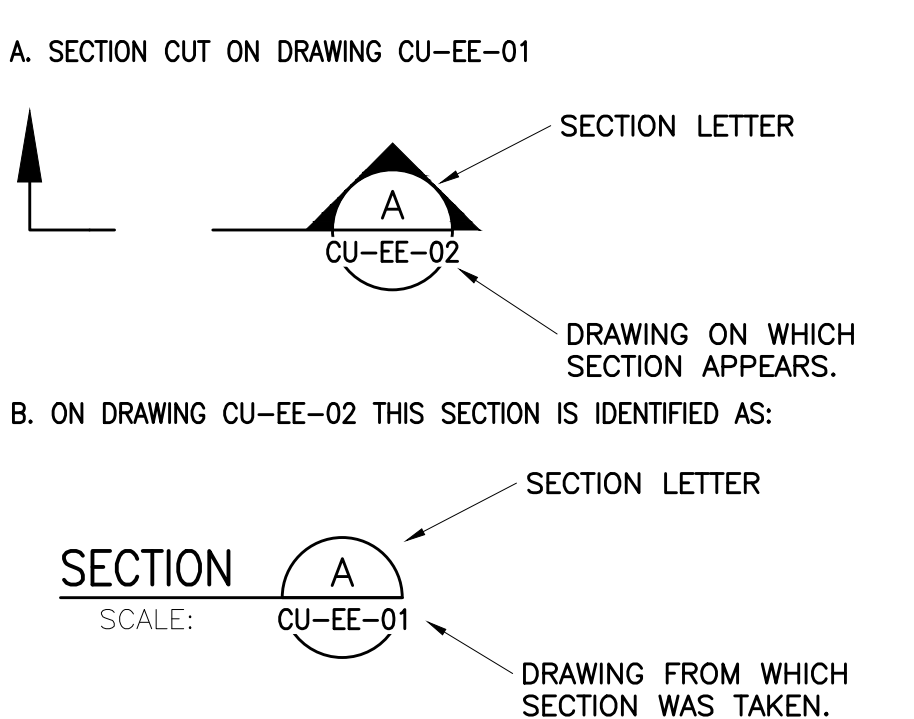
CONTROL LEGEND:

- AERIAL TARGET
- BENCH MARK
- DRILL HOLE
- HUB & TACK
- IRON PIPE
- IRON ROD
- NAIL&TAB
- PERMANENT REFERENCE MONUMENT
- PERMANENT REFERENCE MONUMENT NAIL&TAB
- PKNAIL&SPIKE
- QUARTER SECTION CORNER
- SECTION CORNER
- EXISTING SPOT ELEVATION
- PROPOSED SPOT ELEVATION

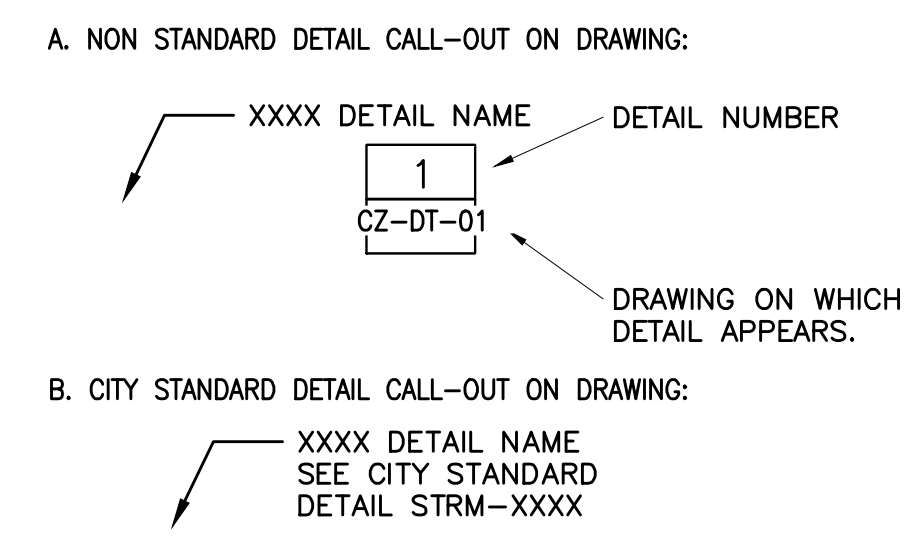
HATCH LEGEND:

- ROADWAY RECONSTRUCTION
- PERMEABLE PAVEMENT
- GRASSY SWALE
- EXFILTRATION TRENCH
- POROUS PAVEMENT
- ASPHALT ACCESS ROAD
- CONCRETE
- GRAVEL
- MILL & RESURFACE
- ASPHALT DRIVEWAY RESTORATION
- UTILITY OPEN TRENCH PAVEMENT RESTORATION
- CONCRETE DRIVEWAY RESTORATION (ASPHALT)
- DRIVEWAY RESTORATION (BRICK PAVERS OR STAMPED CONCRETE)
- GRADING DIRECTION
- MATCH EXISTING GRADE
- PROPOSED SPOT ELEVATION

SECTION IDENTIFICATION



DETAIL IDENTIFICATION



SHEET NUMBERING IDENTIFICATION

XY-ZZ-01 = (DISCIPLINE)SHEET TYPE-AREA-SEQUENTIAL NUMBER

DISCIPLINE (X)		SHEET TYPE (Y)	
LETTER DESIGNATION	DESCRIPTION	LETTER DESIGNATION	DESCRIPTION
G	GENERAL	D	PUMP STATION
C	CIVIL	E	EROSION CONTROL
L	LANDSCAPE	G	LEGEND, NOTES, ETC.
M	MECHANICAL	I	IRRIGATION
A	ARCHITECTURAL	P	PAVING/GRADING
S	STRUCTURAL	U	UTILITIES, PIPES, ETC.
H	HVAC	V	VEGETATION, PLANTING, ETC.
P	PLUMBING	X	EXISTING SITE, DEMOLITION
E	ELECTRICAL	Y	SCHEMATICS, SCHEDULES, ETC.
I	INSTRUMENTATION	Z	DETAILS

AREA (ZZ)

LETTER DESIGNATION	DESCRIPTION
GN	GENERAL
KY	KEY PLANS, MAPS
ST	SITE (CIVIL PLANS, PROFILES, ETC.)
SH	SCHEDULES
DT	DETAILS
EE	DURRS
EW	EDGEWOOD WEST

GENERAL NOTES:

(1) ELECTRICAL SYMBOLS SHOWN ON ELECTRICAL SHEETS.

(2) FOR WELDING SYMBOLS USE AMERICAN WELDING SOCIETY STANDARD SYMBOLS.

* DENOTES DIMENSIONS OR ELEVATIONS DEPENDENT ON EQUIPMENT SUPPLIED.

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

GRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

ENGINEER: PATRICK J. GIBNEY
REG. No: 49428
DATE: 01/22/2021
TEL: 954-739-6400
FAX: 954-739-6409

DRAWN BY: XXX	DATE: 01/07/2019
DESIGNED BY: XXX	SCALE: N.T.S.
CHECKED BY: XXX	
FIELD BOOK: XXX	

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS

NO.	DATE	BY	DESCRIPTION
1.	04/07/21	MR	ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
SYMBOLS

SHEET NO. GG-GN-04

TOTAL: 254

CAD FILE: 11868-GG-GN04

DRAWING FILE NO. 4-142-42

BID SET

Hazen

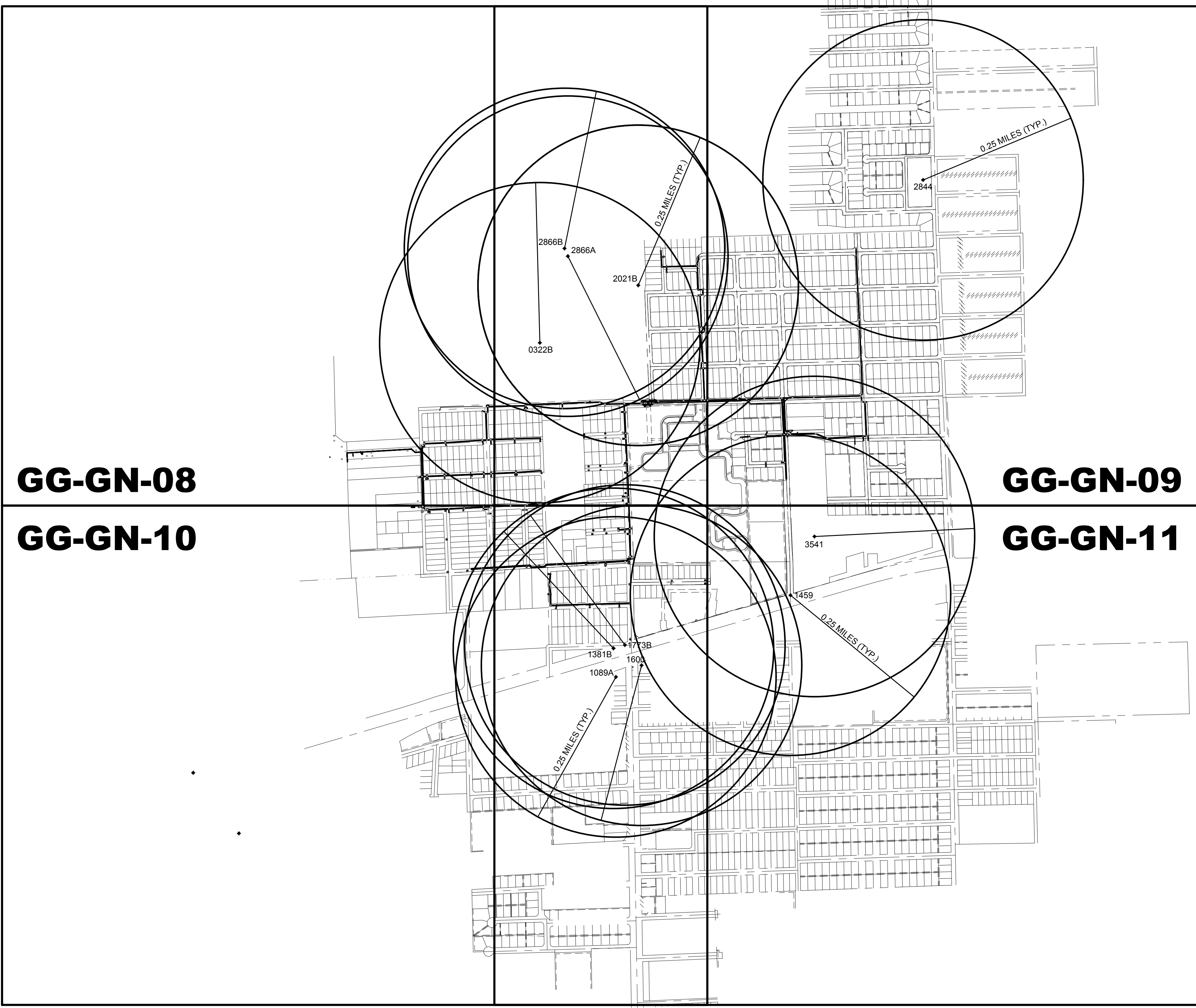
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC.
WRITING CRAVEN • THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017

DRAWN BY:	XXX	DATE:	01/07/2019
DESIGNED BY:	XXX	SCALE:	1"=500'
CHECKED BY:	XXX	FIELD BOOK:	XXXX



GG-GN-08

GG-GN-09

GG-GN-10

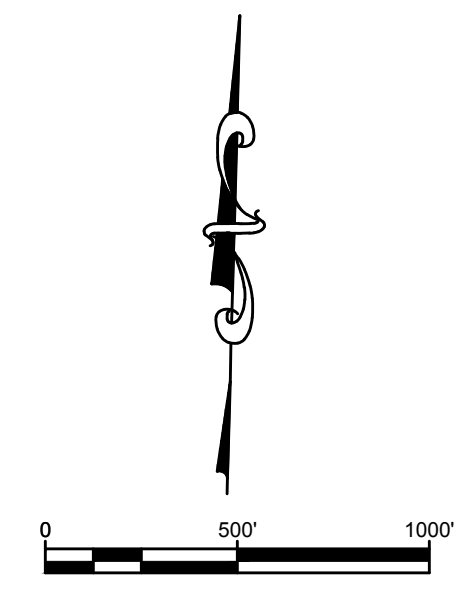
GG-GN-11

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DATE	BY	CR'D	DESCRIPTION
NO.	1.	04/07/21	MR	ADS	ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
CONTAMINATED SITES LOCATION
SITE PLAN & KEY MAP



ELEVATIONS SHOWN HEREON ARE
BASED ON THE NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 1988)

SHEET NO.	GG-GN-07
TOTAL:	254
CAD FILE:	11868-GG-GN-KEY-07
DRAWING FILE NO.	4-142-42

BID SET

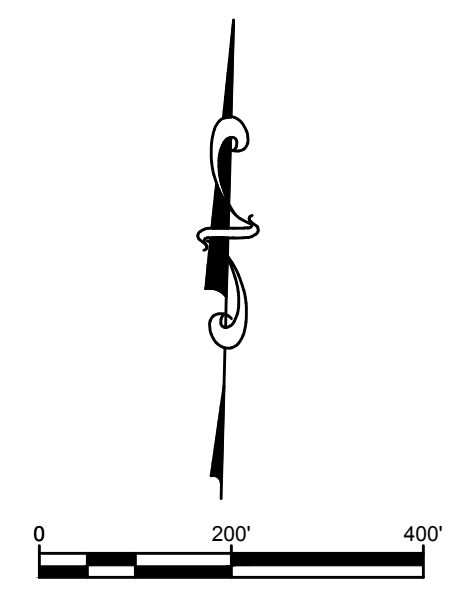
Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

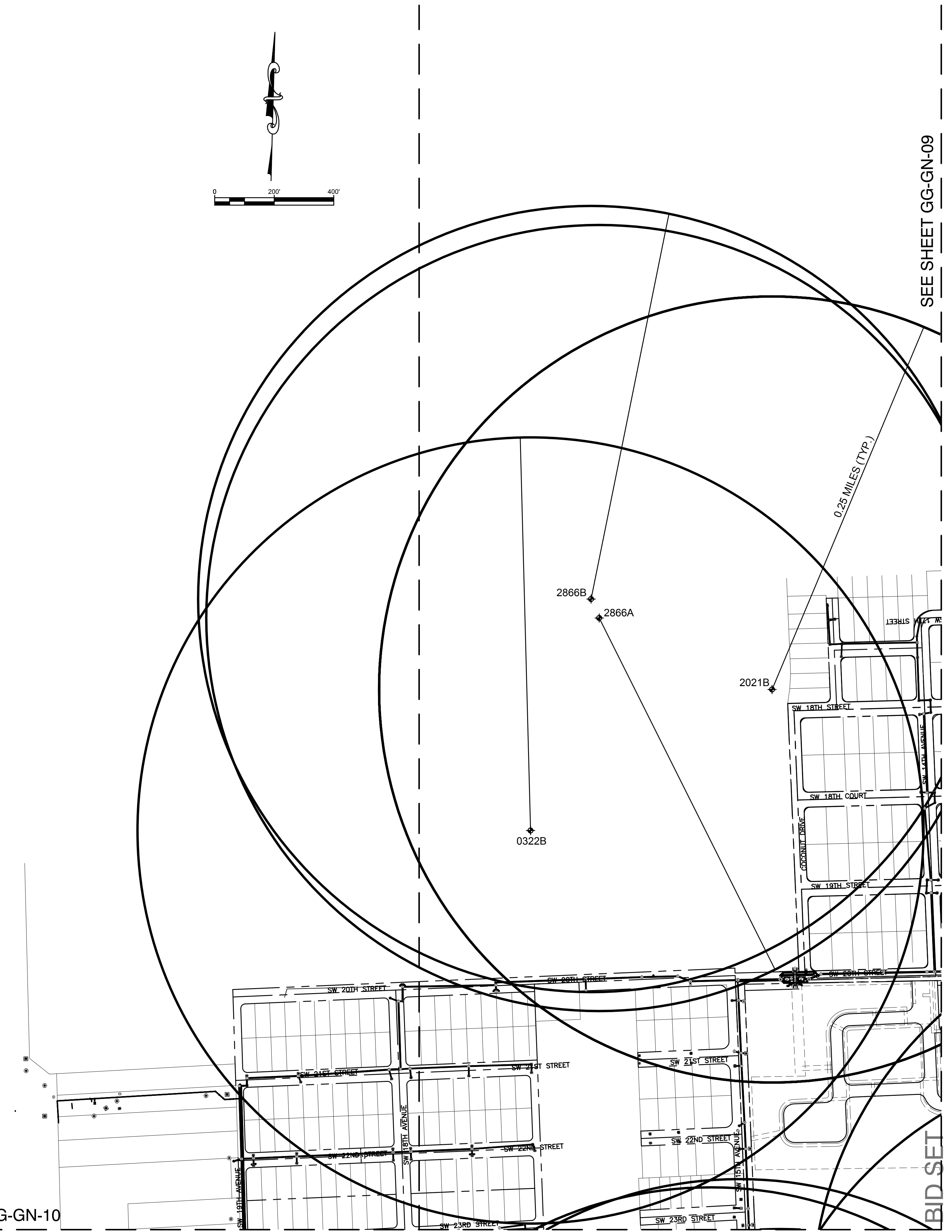
Certificate of Authorization No: 2771

Craven - Thompson and Associates, Inc.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL.: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC. WRITING CRAVEN • THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017



SEE SHEET GG-GN-09



CONTAMINATED SITE SCHEDULE WITHIN 0.25 MILES OF PROJECT SITE									
SITE NO.	FACILITY NAME	STREET ADDRESS	CITY	ZIP CODE	DEP FACILITY NO.	PROGRAM TYPE	FacilityType	Pollutant	Lead Agency
0322B	CRP LMC Prop	1601 SW 20TH ST	FORT LAUDERDALE	33315		NF	MARINA	ARSENIC, METALS	BCEPD
2021B	RIVER BEND MARINA	1515 SW 20TH ST	FORT LAUDERDALE	33315	068837928	NF	MARINA	PETROLEUM	BCEPD
2866A	SHM South Fork	1500 SW 17TH ST	FORT LAUDERDALE	33315		NF	MARINA	METALS	BCEPD
2866B	SHM South Fork	1500 SW 17TH ST	FORT LAUDERDALE	33315	068731765	NF	MARINA	DIESEL	BCEPD



ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

MATCHLINE - SEE SHEET GG-GN-10

DRAWN BY:	XXX	DATE:	01/07/2019
DESIGNED BY:	XXX	SCALE:	1"=200'
CHECKED BY:	XXX		
FIELD BOOK:	XXXX		

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION
NO.	DATE	BY
1.	04/07/21	MR
		ADD
		ADD #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
CONTAMINATED SITES LOCATION
SITE PLAN

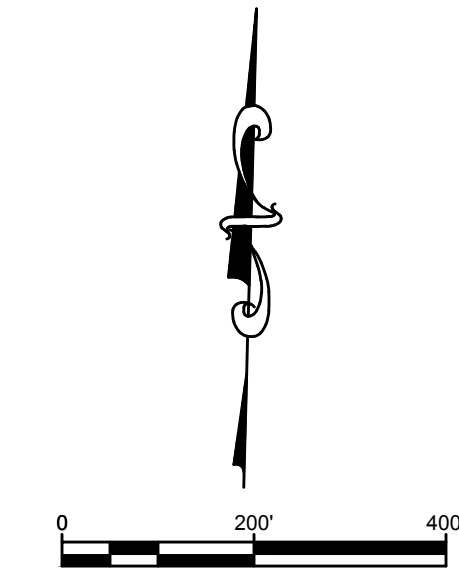
SHEET NO.	GG-GN-08
TOTAL:	254
CAD FILE:	11868-GG-GN-PLANS
DRAWING FILE NO.	4-142-42

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. 0500114
MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC. WRITING CRAVEN • THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017



DRAWN BY:	XXX	DATE:	01/07/2019
DESIGNED BY:	XXX	SCALE:	1"=200'
CHECKED BY:	XXX	FIELD BOOK:	XXXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

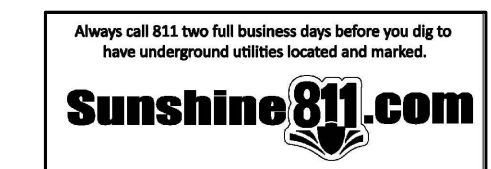
NO.	DATE	BY	CR'D	DESCRIPTION
1.	04/07/21	MR	ADS	ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
CONTAMINATED SITES LOCATION
SITE PLAN

SHEET NO.	GG-GN-09
TOTAL:	254
CAD FILE:	11868-GG-GN-PLANS
DRAWING FILE NO.	4-142-42



CONTAMINATED SITE SCHEDULE WITHIN 0.25 MILES OF PROJECT SITE									
SITE NO.	FACILITY NAME	STREET ADDRESS	CITY	ZIP CODE	DEP FACILITY NO.	PROGRAM TYPE	FacilityType	Pollutant	Lead Agency
2844	GORE NURSERY	1611 SW 9TH AVE	FORT LAUDERDALE	33315		PCR	NURSERY	ARSENIC, METALS	BCEPD



ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

MATCHLINE - SEE SHEET GG-GN-11

BID SET

Hazen

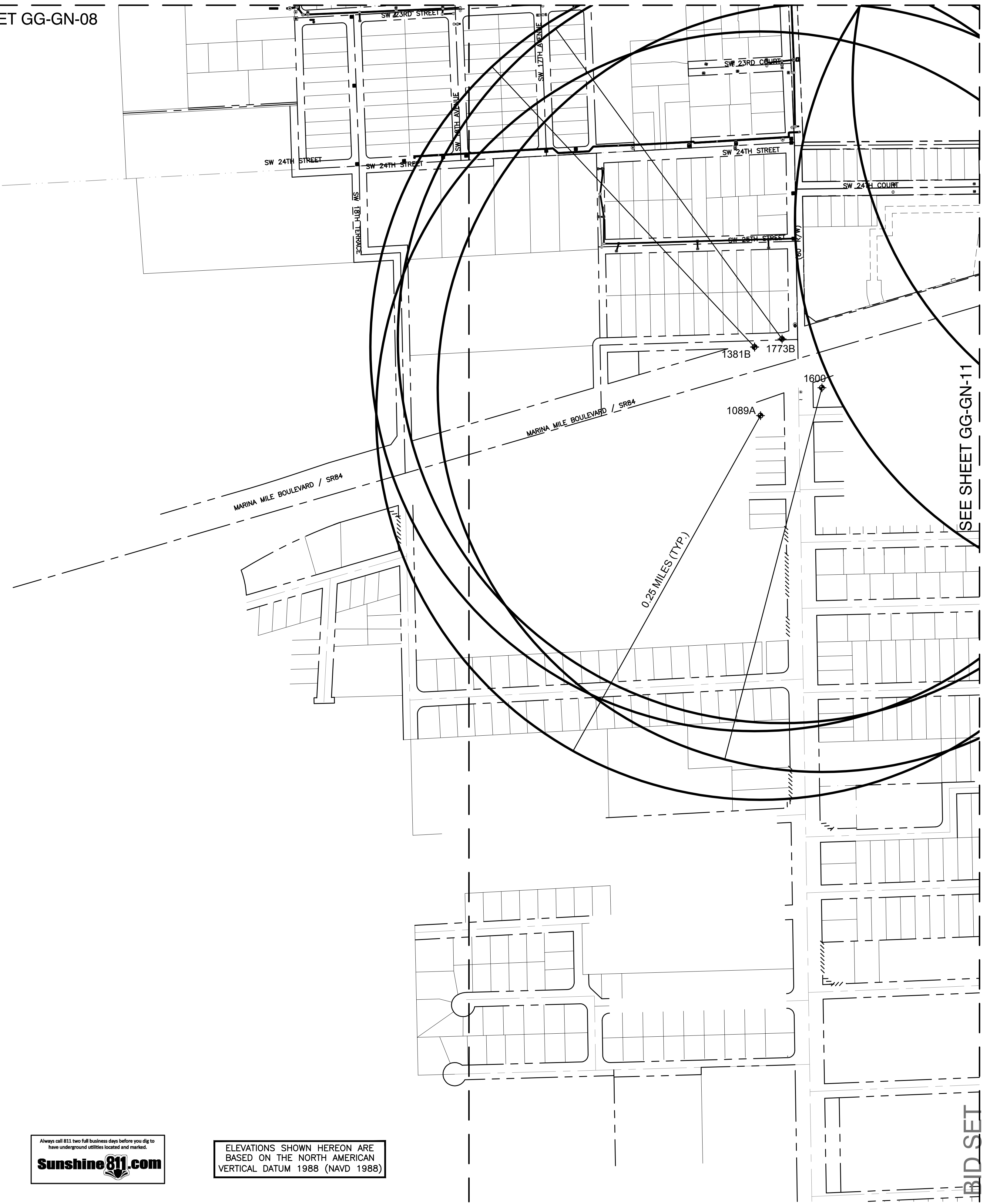
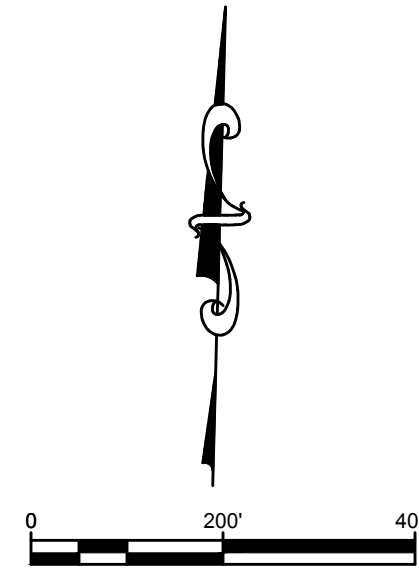
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

CRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114
MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC.
WRITING CRAVEN • THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017

MATCHLINE - SEE SHEET GG-GN-08



CONTAMINATED SITE SCHEDULE WITHIN 0.25 MILES OF PROJECT SITE									
SITE NO.	FACILITY NAME	STREET ADDRESS	CITY	ZIP CODE	DEP FACILITY NO.	PROGRAM TYPE	FacilityType	Pollutant	Lead Agency
1089A	7-ELEVEN #25420	1500 STATE ROAD 84	FORT LAUDERDALE	33315	068622200	FDEP	GAS STATION	PETROLEUM	BCEPD
1381B	TWIN-MINI/ COASTAL FUELS	1531 STATE ROAD 84	FORT LAUDERDALE	33315	0688622255	FDEP	GAS STATION	MIXED PRODUCT	BCEPD
1600	MOBIL	1490 STATE ROAD 84	FORT LAUDERDALE	33315	068502373	FDEP	GAS STATION	PETROLEUM	BCEPD
1773B	STATE ROAD 84 SERVICE STATION	1500 SW 17TH ST	FORT LAUDERDALE	33315	068731765	NF	MARINA	DIESEL	BCEPD



ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

DRAWN BY: XXX	DATE: 01/07/2019
DESIGNED BY: XXX	SCALE: 1"=200'
CHECKED BY: XXX	
FIELD BOOK: XXX	

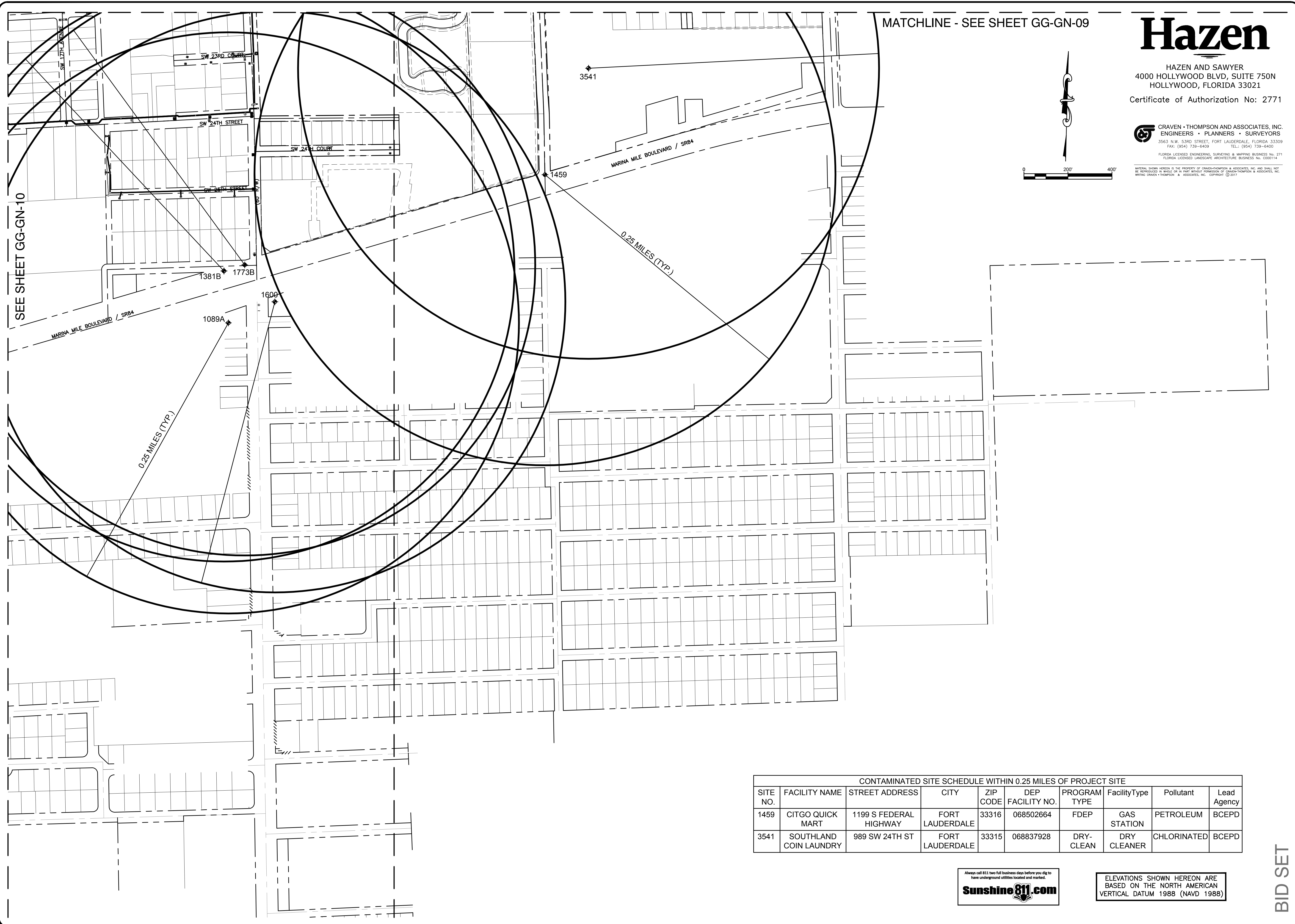
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		DESCRIPTION
NO.	DATE	BY
1.	04/07/21	MR
		ADD
		ADD #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
CONTAMINATED SITES LOCATION
SITE PLAN

SHEET NO.	GG-GN-10
TOTAL:	254
CAD FILE:	11868-GG-GN-PLANS
DRAWING FILE NO.	4-142-42




MATCHLINE - SEE SHEET GG-GN-09

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021
Certificate of Authorization No: 2771

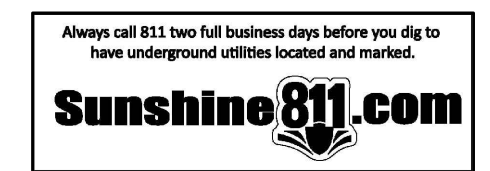
CRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114
MATERIAL SHOWN HEREON IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC. WRITING CRAVEN - THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017

DRAWN BY: XXXX DATE: 01/07/2019
DESIGNED BY: SCALE: 1"=200'
CHECKED BY: XXXX
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CHK'D	DESCRIPTION
1.	04/07/21	MR	ADS	ADD. #5 - REISSUED SHEET

SITE NO.	FACILITY NAME	STREET ADDRESS	CITY	ZIP CODE	DEP FACILITY NO.	PROGRAM TYPE	FacilityType	Pollutant	Lead Agency
1459	CITGO QUICK MART	1199 S FEDERAL HIGHWAY	FORT LAUDERDALE	33316	068502664	FDEP	GAS STATION	PETROLEUM	BCEPD
3541	SOUTHLAND COIN LAUNDRY	989 SW 24TH ST	FORT LAUDERDALE	33315	068837928	DRY-CLEAN	DRY CLEANER	CHLORINATED	BCEPD



ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
CONTAMINATED SITES LOCATION
SITE PLAN

SHEET NO.
GG-GN-11
TOTAL: 254
CAD FILE: 11868-GG-GN-PLANS
DRAWING FILE NO. 4-142-42

BID SET



HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

GRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

ENGINEER: PATRICK J. GIBNEY
REG. NO: 49428
DATE: 06/01/2017
TEL: 954-987-0066
FAX: 954-987-2949

DRAWN BY: XXXX DATE: 01/07/2019
DESIGNED BY: XXXX SCALE: VERT 1"=2'
CHECKED BY: XXXX HORIZ 1"=20'
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

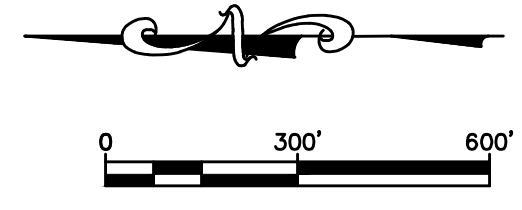
REVISIONS		DESCRIPTION
NO.	DATE	BY
1.	04/07/21	MR
		ADS
		ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN SITE KEY MAP

SHEET NO.
CX-KY-01
TOTAL: 254
CAD FILE: 11868-CX-KY01
DRAWING FILE NO. 4-142-42

BID SET

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using an SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
7/24/2020



Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021


Certificate of Authorization No: 2771

GRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
3563 N.W. 52ND STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409 FAX: (954) 739-6409

ENGINEER: PATRICK J. GIBNEY
REG. No: 49428
DATE: 01/22/2021
TEL: 954-987-0066
FAX: 954-987-2949

DRAWN BY: XXXX
DATE: 01/07/2019
DESIGNED BY: XXXX
SCALE: 1" = 20'
CHECKED BY: XXXX
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

MATCHLINE - SEE SHEET CX-ST-17

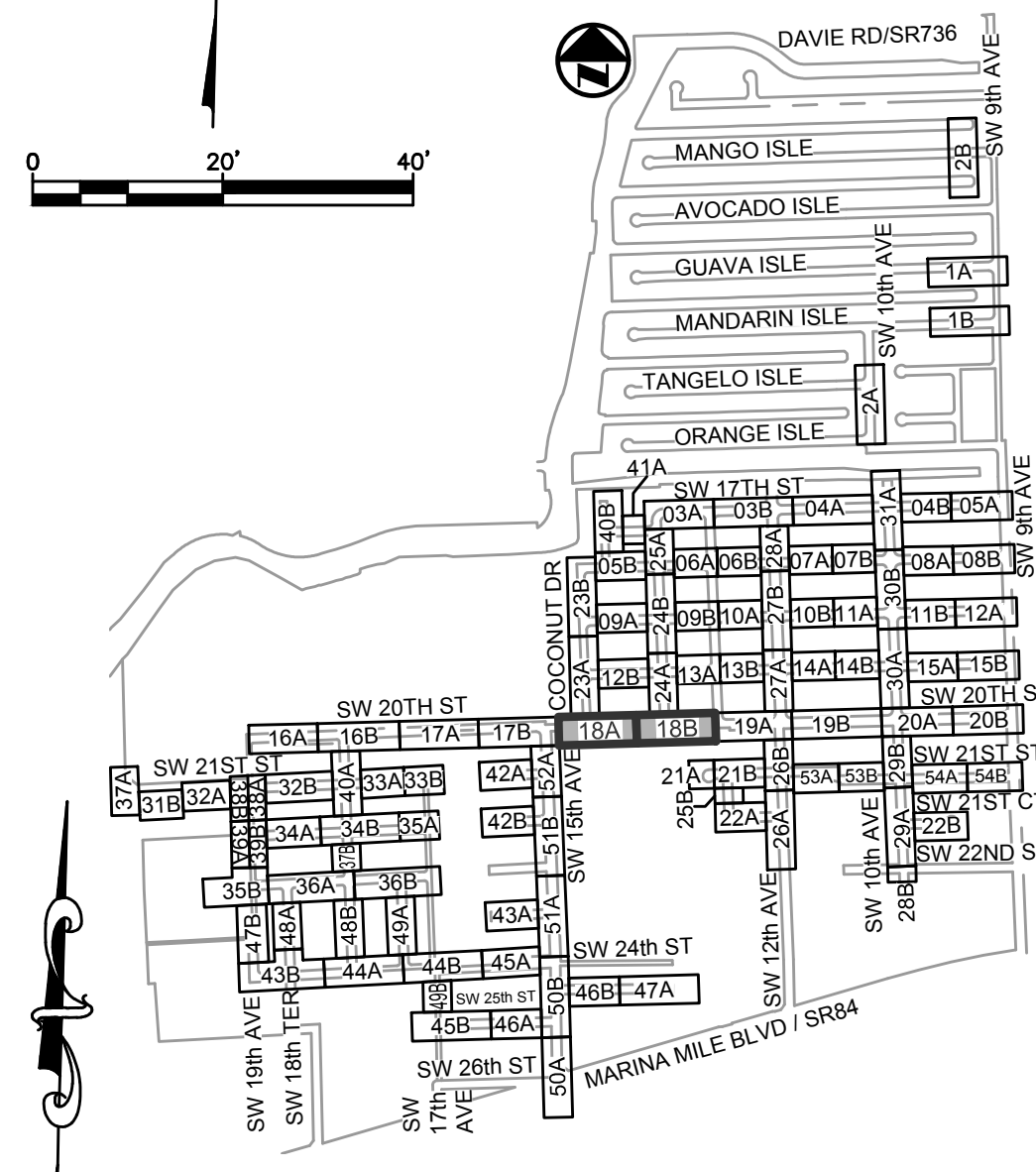
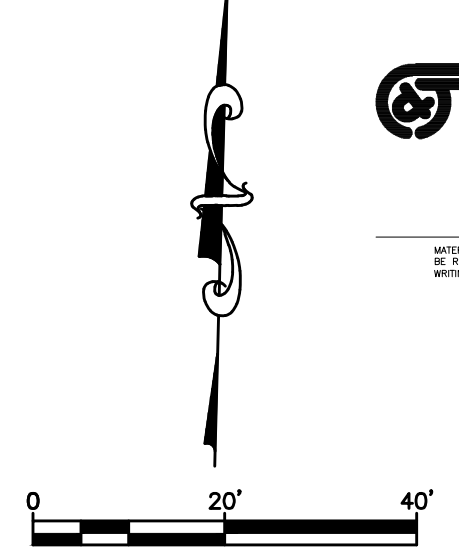
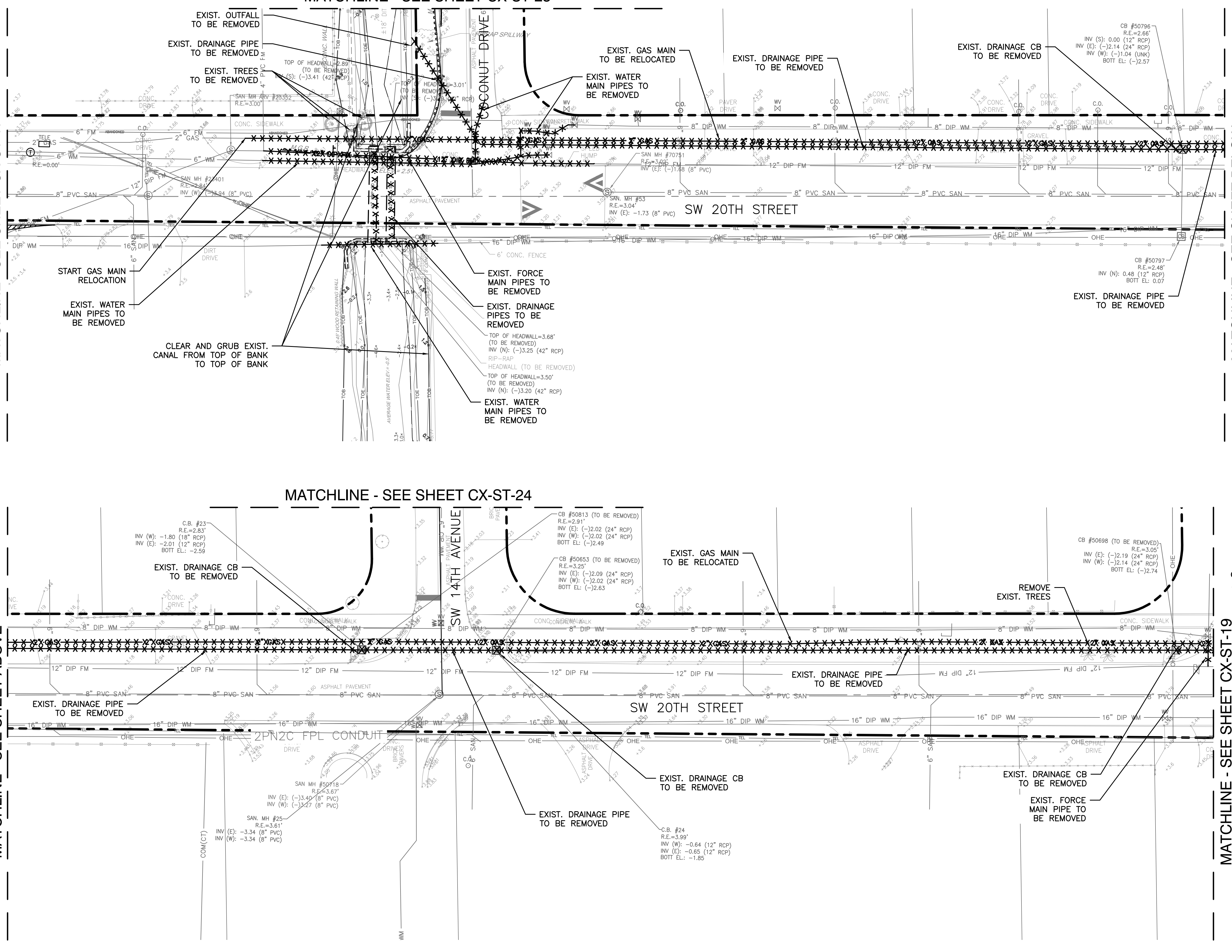
MATCHLINE - SEE SHEET CX-ST-19

MATCHLINE - SEE SHEET CX-ST-17

MATCHLINE - SEE SHEET CX-ST-19

MATCHLINE - SEE SHEET CX-ST-23

MATCHLINE - SEE SHEET CX-ST-24



ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

- NOTES:
1. EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
 2. 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
 3. CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

REVISIONS		DESCRIPTION	
NO.	DATE	BY	
1.	04/07/21	MR	ADD ADD.#5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.
CX-ST-18
TOTAL: 254
CAD FILE:
11868-CX-ST-A
DRAWING FILE NO.
4-142-42



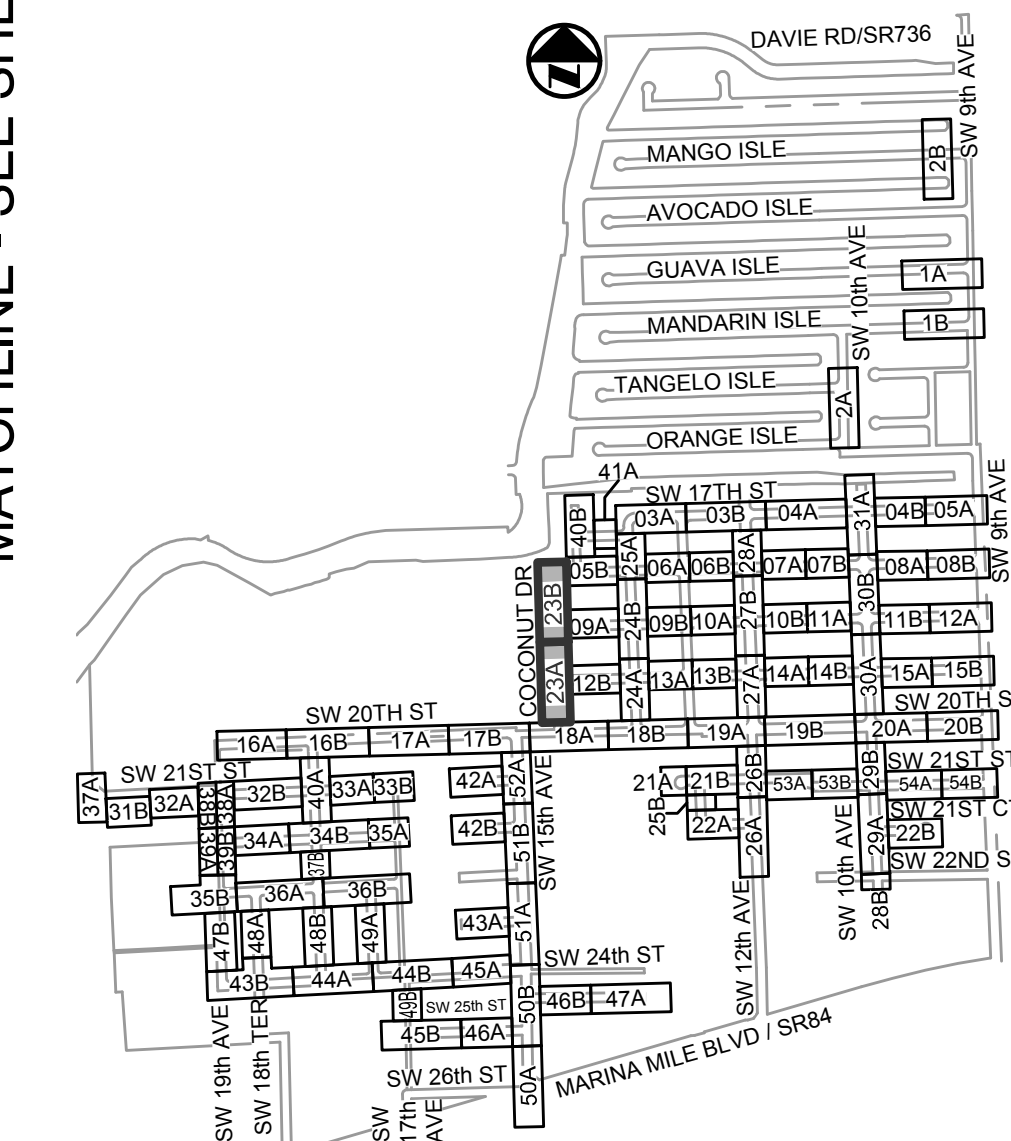
Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

GRAVEN · THOMPSON AND ASSOCIATES, INC.
ENGINEERS · PLANNERS · SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

MINIMAL WORK SHOWN HEREIN IS THE PROPERTY OF GRAVEN · THOMPSON AND ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF GRAVEN · THOMPSON AND ASSOCIATES, INC. WITHOUT OWNER'S PERMISSION. © 2017



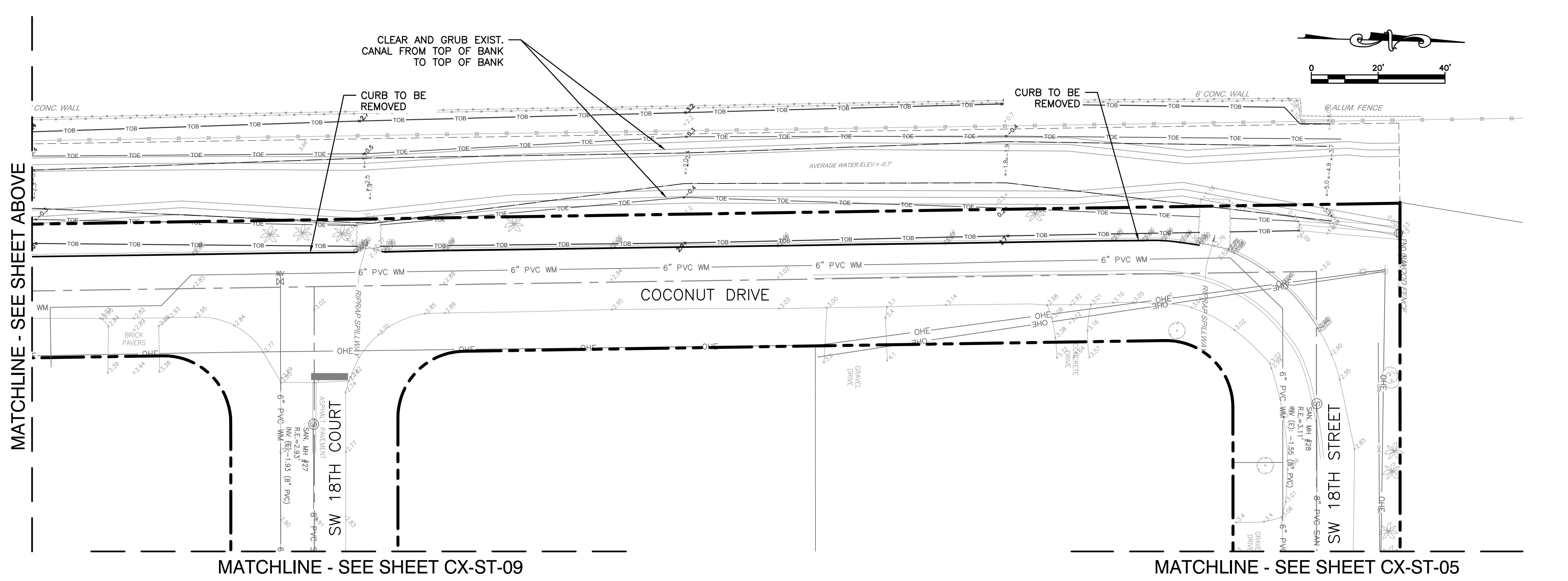
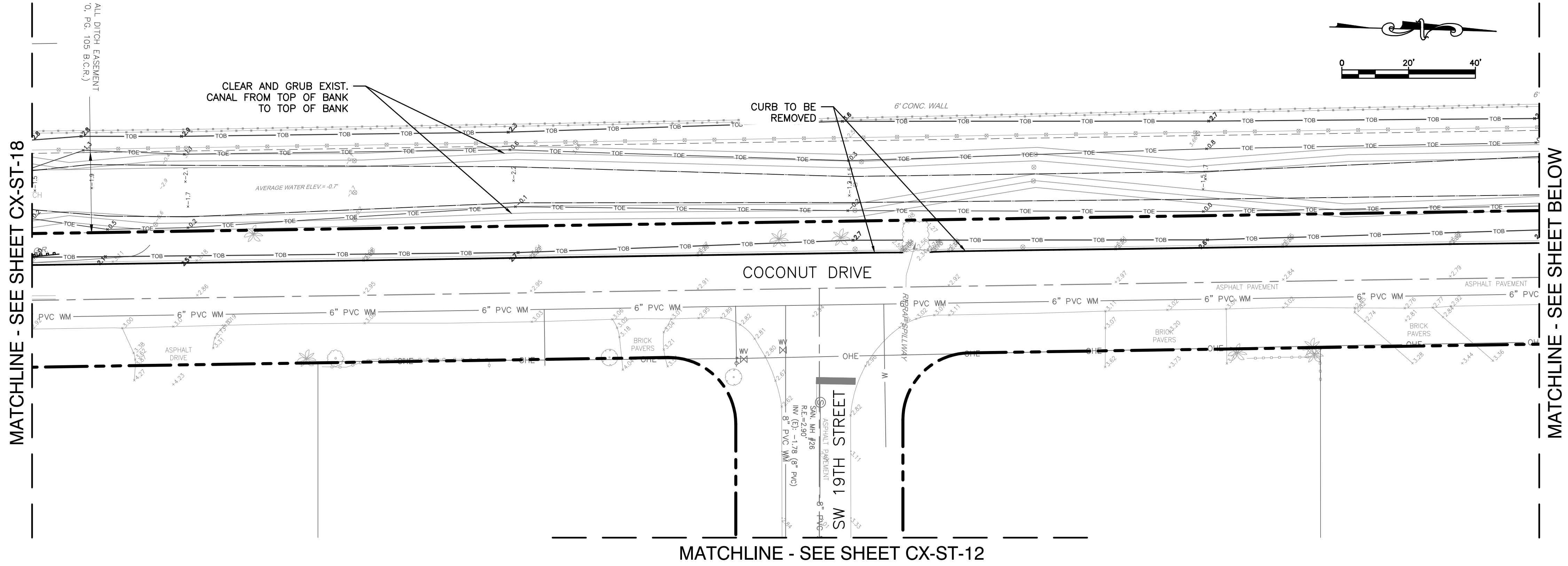
KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE
BASED ON THE NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 1988)

- NOTES:
- EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
 - 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
 - CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies. 4/5/2021

4/5/2021



MATCHLINE - SEE SHEET CX-ST-18

MATCHLINE - SEE SHEET ABOVE

CLEAR AND GRUB EXIST. CANAL FROM TOP OF BANK TO TOP OF BANK

CURB TO BE REMOVED

CURB TO BE REMOVED

MATCHLINE - SEE SHEET CX-ST-09

MATCHLINE - SEE SHEET CX-ST-05

ENGINEER:
PATRICK J. GIBNEY
REG. NO. 49428
DATE: 01/22/2021

DRAWN BY: XXXX DATE: 01/07/2019
DESIGNED BY: XXXX SCALE: 1\"/>

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		
NO.	DATE	DESCRIPTION
1.	04/07/21	MR ADS ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.
CX-ST-23

TOTAL: 254
CAD FILE: 11868-CX-ST-A
DRAWING FILE NO. 4-142-42



BID SET

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021


Certificate of Authorization No: 2771

GRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

NOTICE: DRAWN HEREIN IS THE PROPERTY OF GRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF GRAVEN-THOMPSON & ASSOCIATES, INC. WITHOUT WHICH A VIOLATION OF FEDERAL AND STATE COPYRIGHT LAWS WILL BE COMMITTED.

ENGINEER: PATRICK J. GIBNEY
REG. NO: 49428
DATE: 01/22/2021
TEL: 954-987-0066
FAX: 954-987-2949

DRAWN BY: XXXX
DATE: 01/07/2019
DESIGNED BY: XXXX
SCALE: 1"=20'
CHECKED BY: XXXX
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

NOTES:

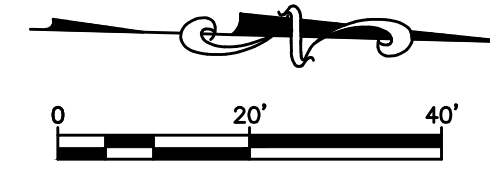
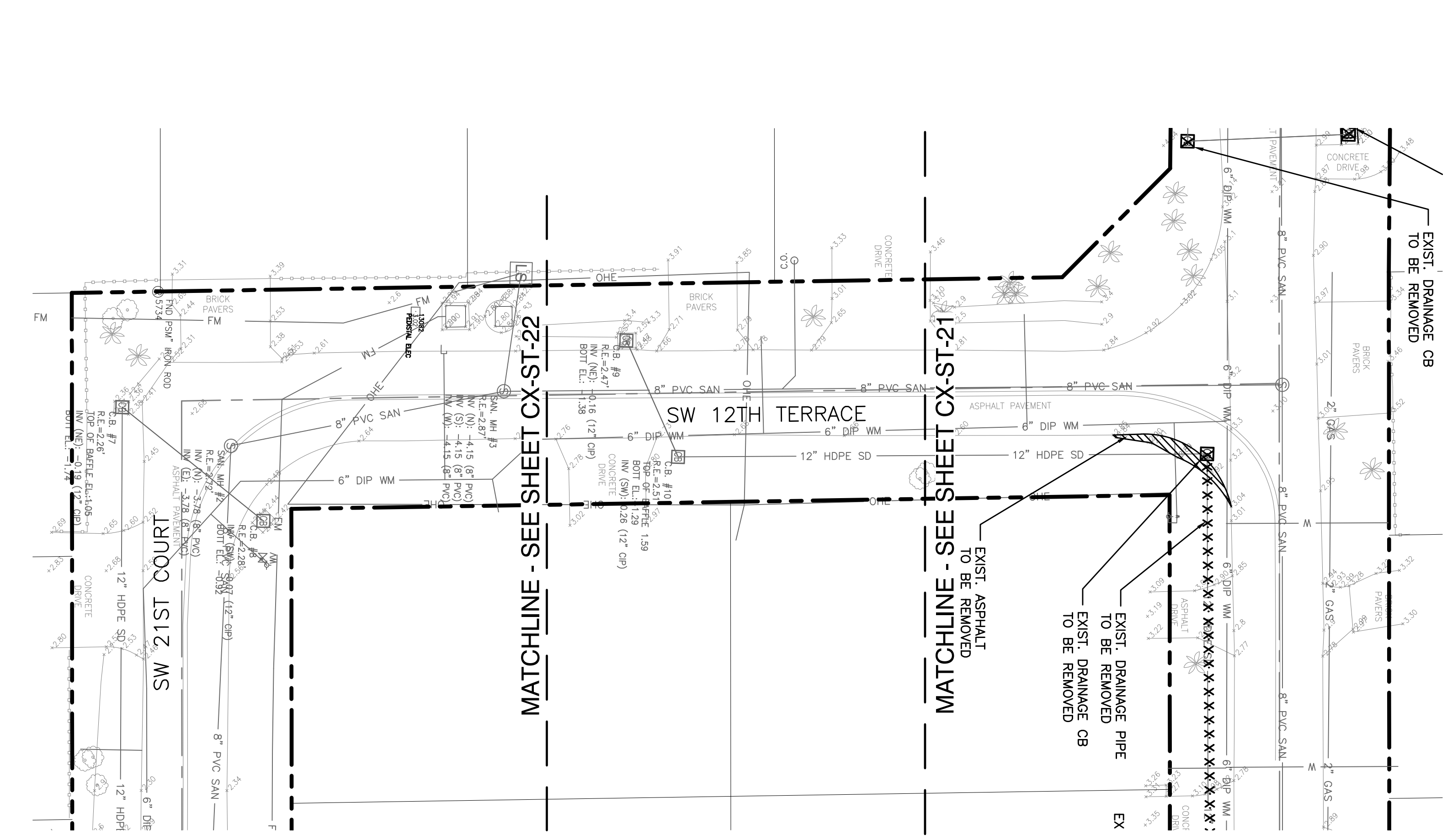
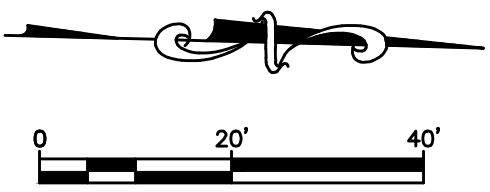
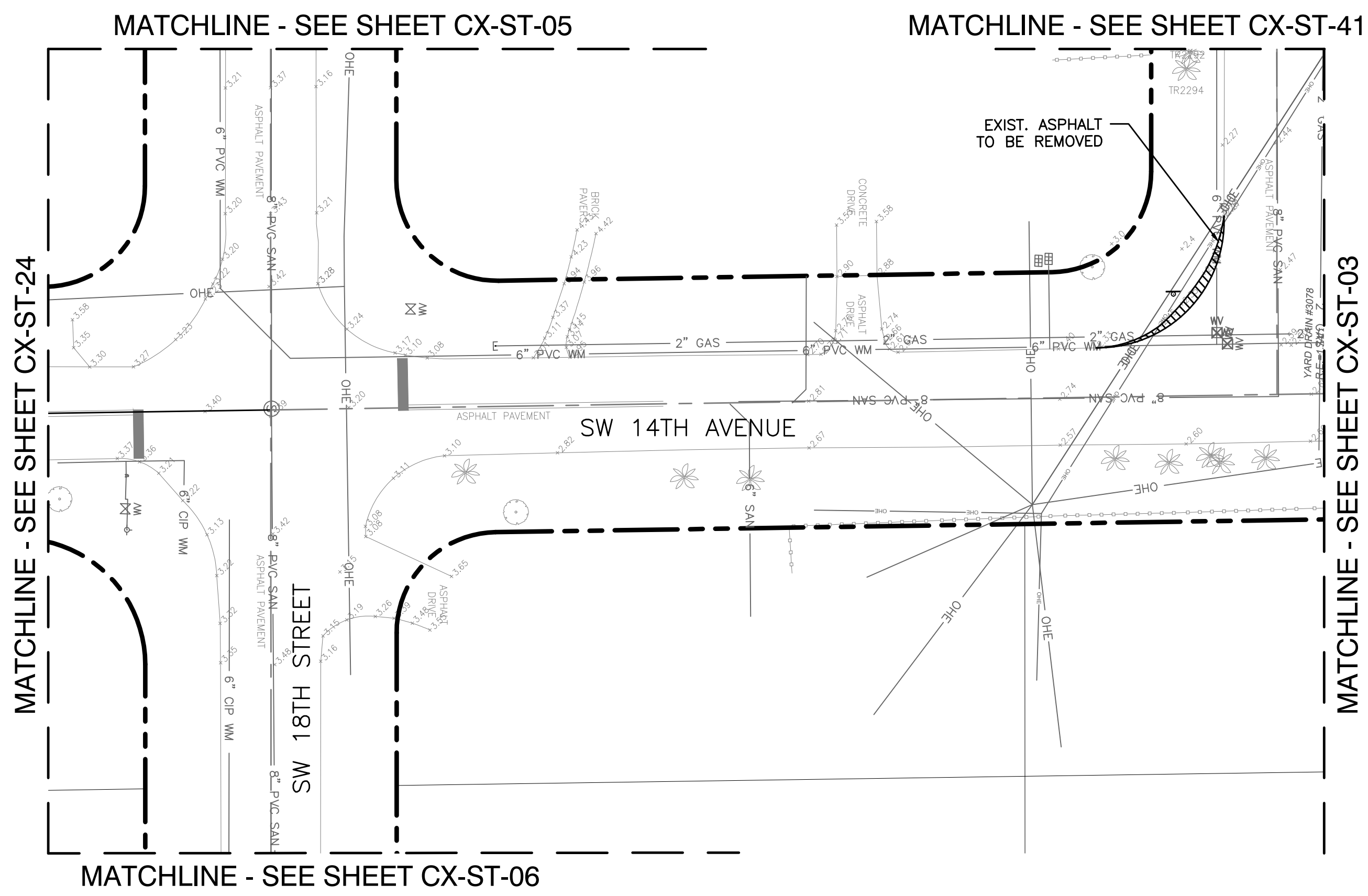
- 1. EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
- 2. 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
- 3. CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using his SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
4/5/2021

REVISIONS		DATE	BY	DESCRIPTION
NO.	MR	04/07/21	MR	ADD. #5 - REISSUED SHEET
1.				

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.
CX-ST-25
TOTAL: 254
CAD FILE:
11868-CX-ST-A
DRAWING FILE NO.
4-142-42



BID SET

MATCHLINE - SEE SHEET CX-ST-22



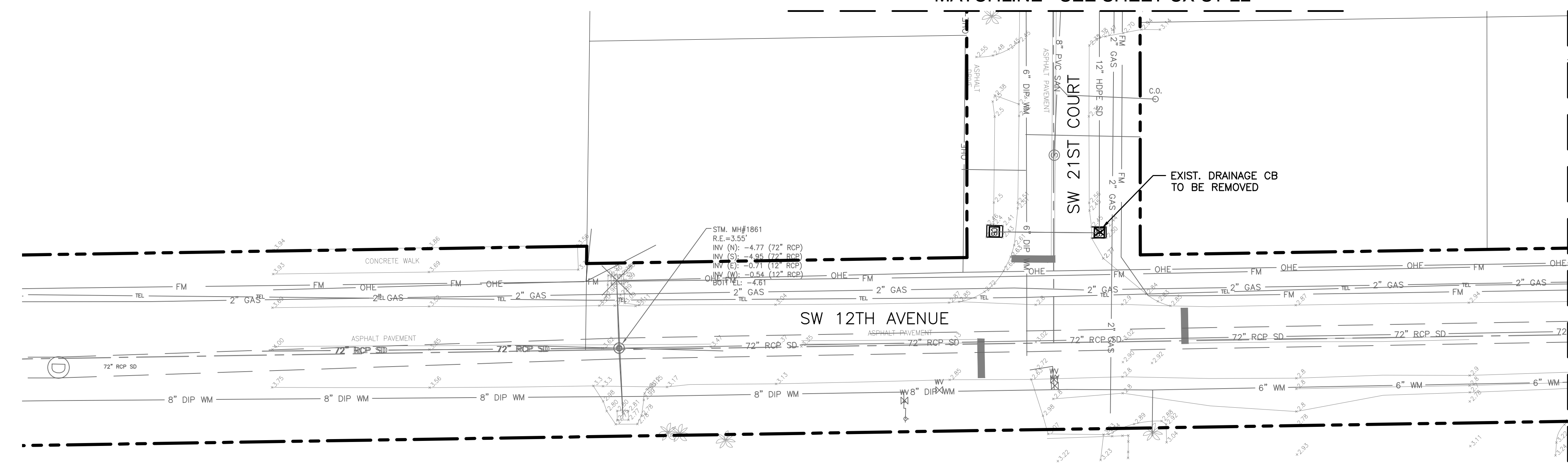
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021
Certificate of Authorization No: 2771

GRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
3563 N.W. 52ND STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409 FAX: (954) 739-6409
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114
MIRAL SHORN ARCHITECTURE IS THE PROPERTY OF GRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED OR USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF GRAVEN-THOMPSON & ASSOCIATES, INC.
WRITTEN CONSENT - GRAVEN-THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017

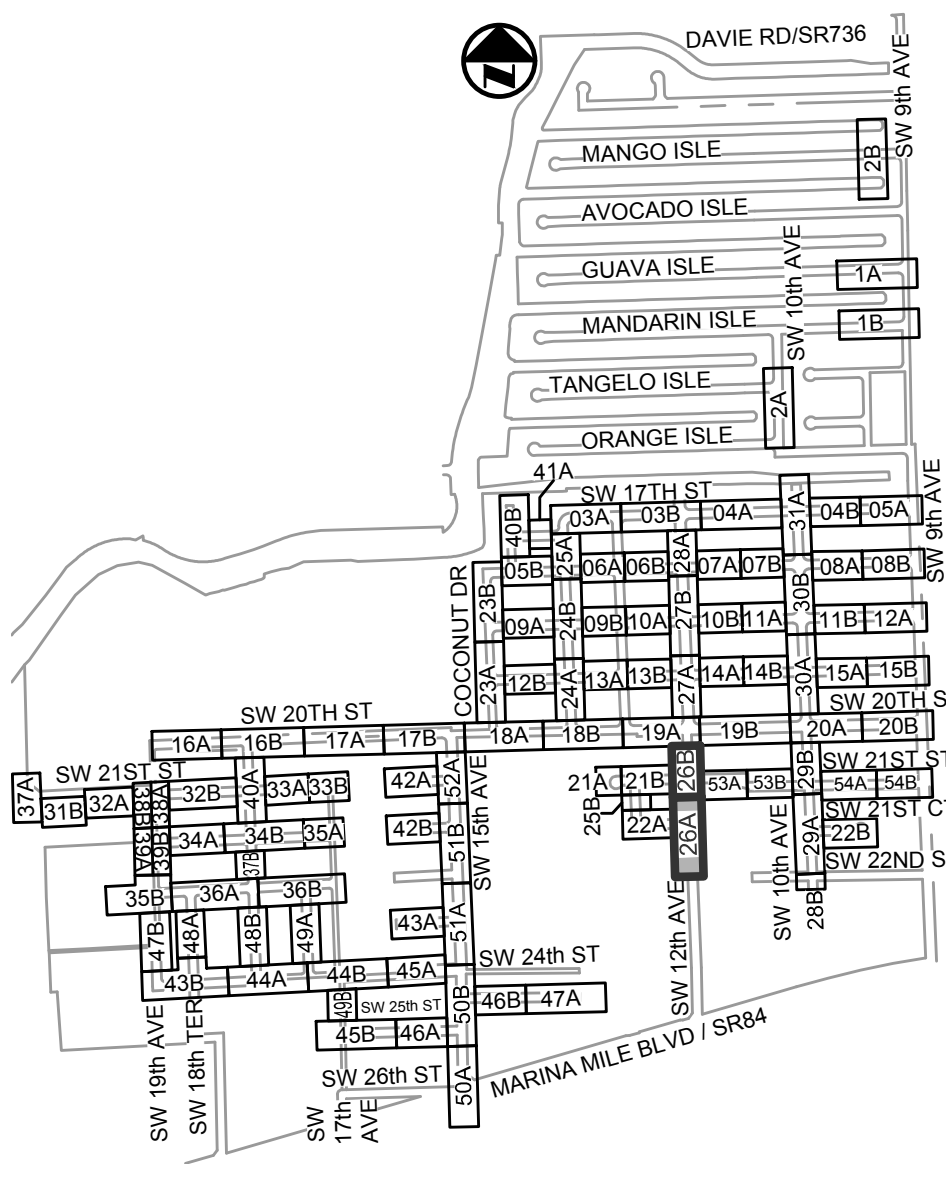
ENGINEER: PATRICK J. GIBNEY
REG. NO: 49428
DATE: 01/22/2021
TEL: 954-987-0066
FAX: 954-987-2949

DRAWN BY: XXX
DATE: 01/07/2019
DESIGNED BY: XXX
SCALE: 1"=20'
CHECKED BY: XXX
FIELD BOOK: XXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301



MATCHLINE - SEE SHEET BELOW



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

- NOTES:
1. EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
 2. 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
 3. CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428 This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using on SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
4/5/2021

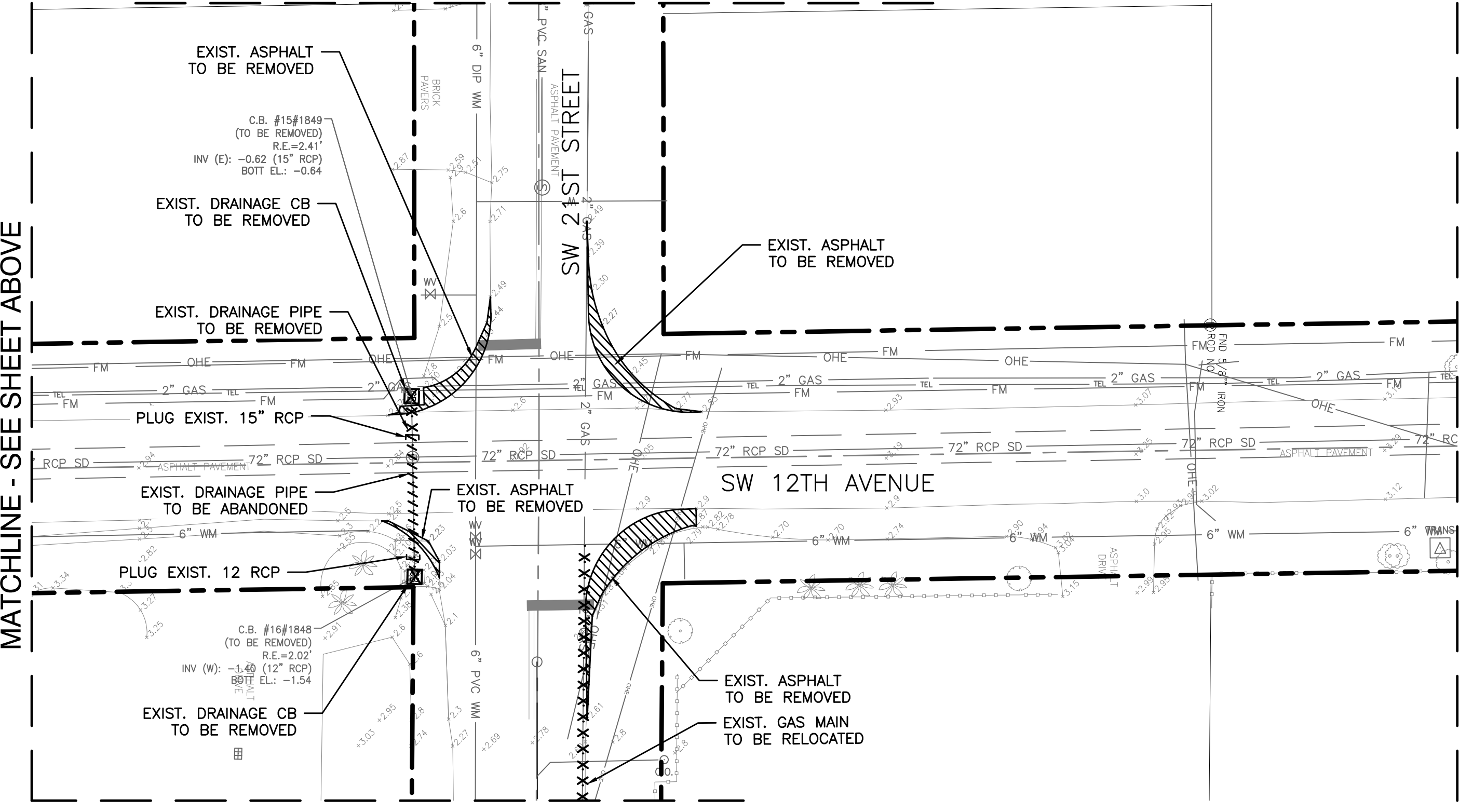
REVISIONS		
NO.	DATE	DESCRIPTION
1.	04/07/21	MR ADJ ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.	
CX-ST-26	254
TOTAL:	254
CAD FILE:	11868-CX-ST-A
DRAWING FILE NO.	4-142-42



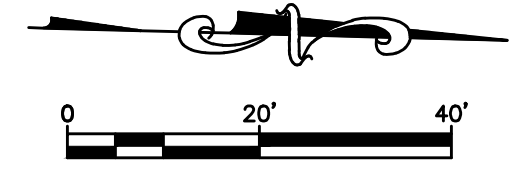
MATCHLINE - SEE SHEET CX-ST-21

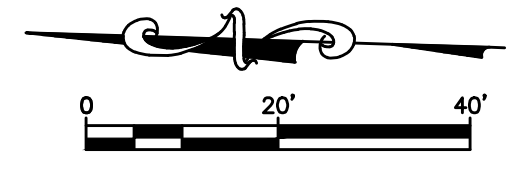
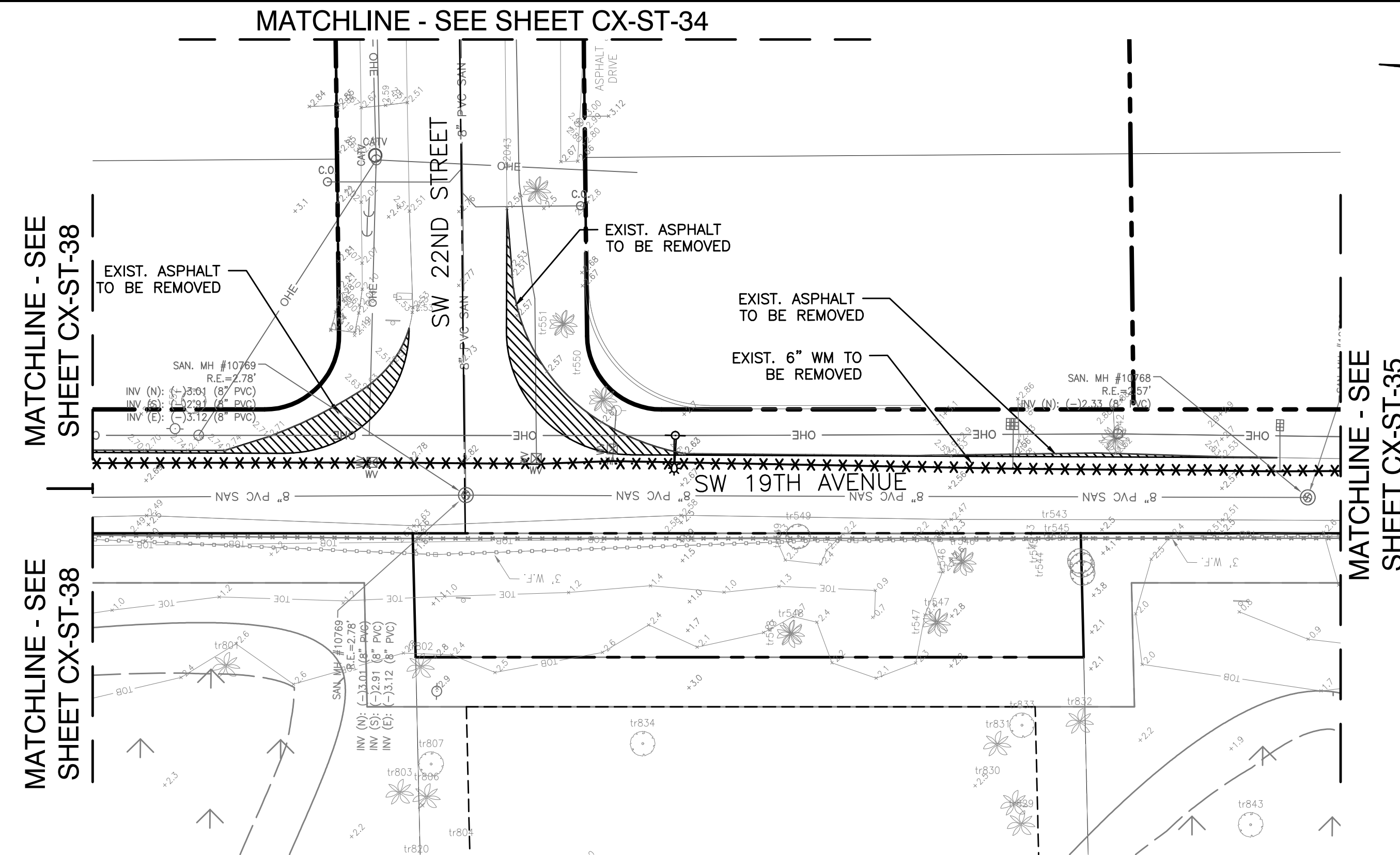


MATCHLINE - SEE SHEET ABOVE

MATCHLINE - SEE SHEET CX-ST-19

MATCHLINE - SEE SHEET CX-ST-53





Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

GRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

ENGINEER:
PATRICK J. GIBNEY
REG. NO: 49428
DATE: 01/22/2021
TEL: 954-987-0066
FAX: 954-987-2949

DRAWN BY: XXX
DATE: 01/07/2019
DESIGNED BY: XXX
SCALE: 1"=20'
CHECKED BY: XXX
FIELD BOOK: XXXX



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE BASED ON THE NORTH AMERICAN VERTICAL DATUM 1988 (NAVD 1988)

NOTES:

- EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
- 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
- CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

REVISIONS		DESCRIPTION
NO.	DATE	BY
1.	04/07/21	MR
		ADD
		ADD #5 - REISSUED SHEET

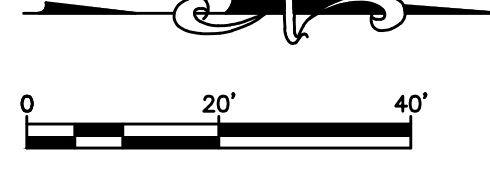
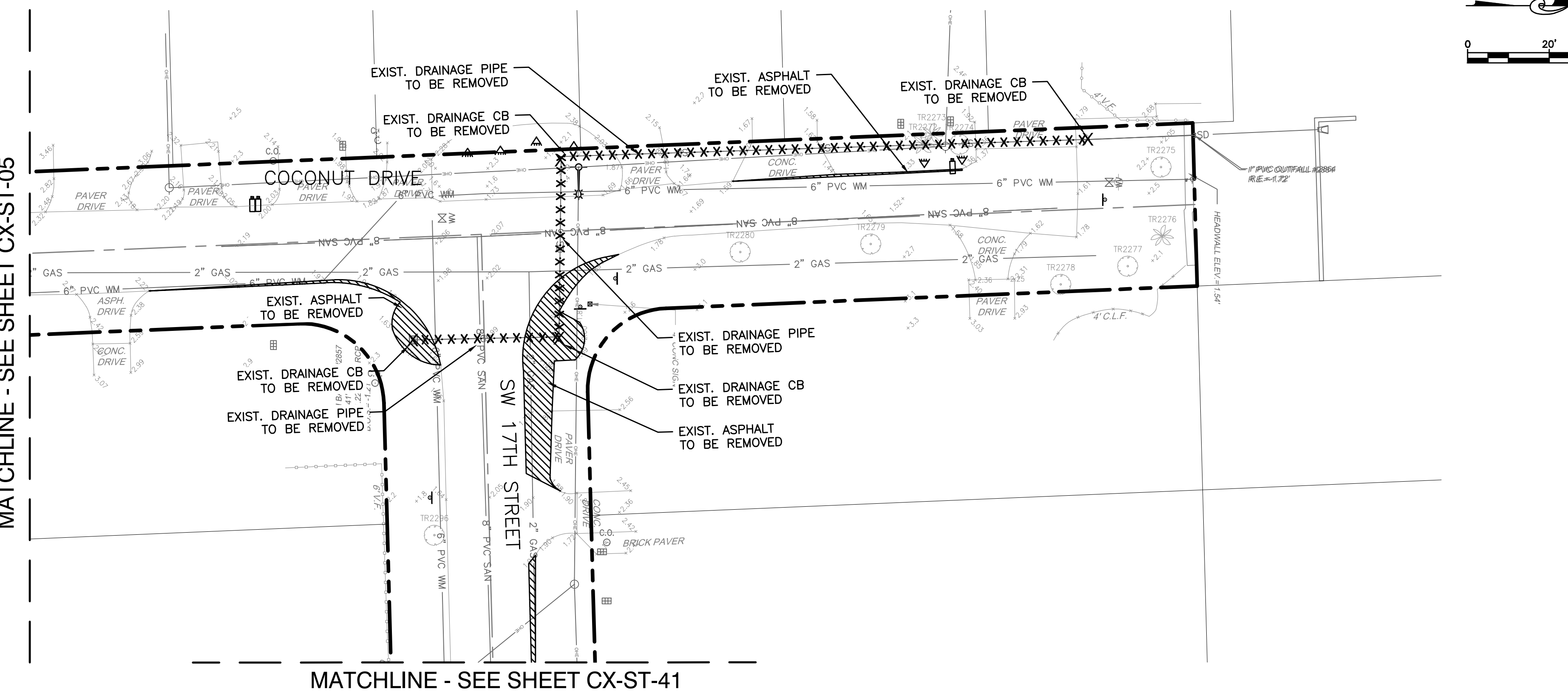
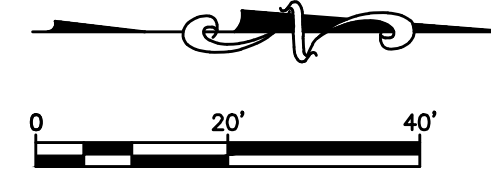
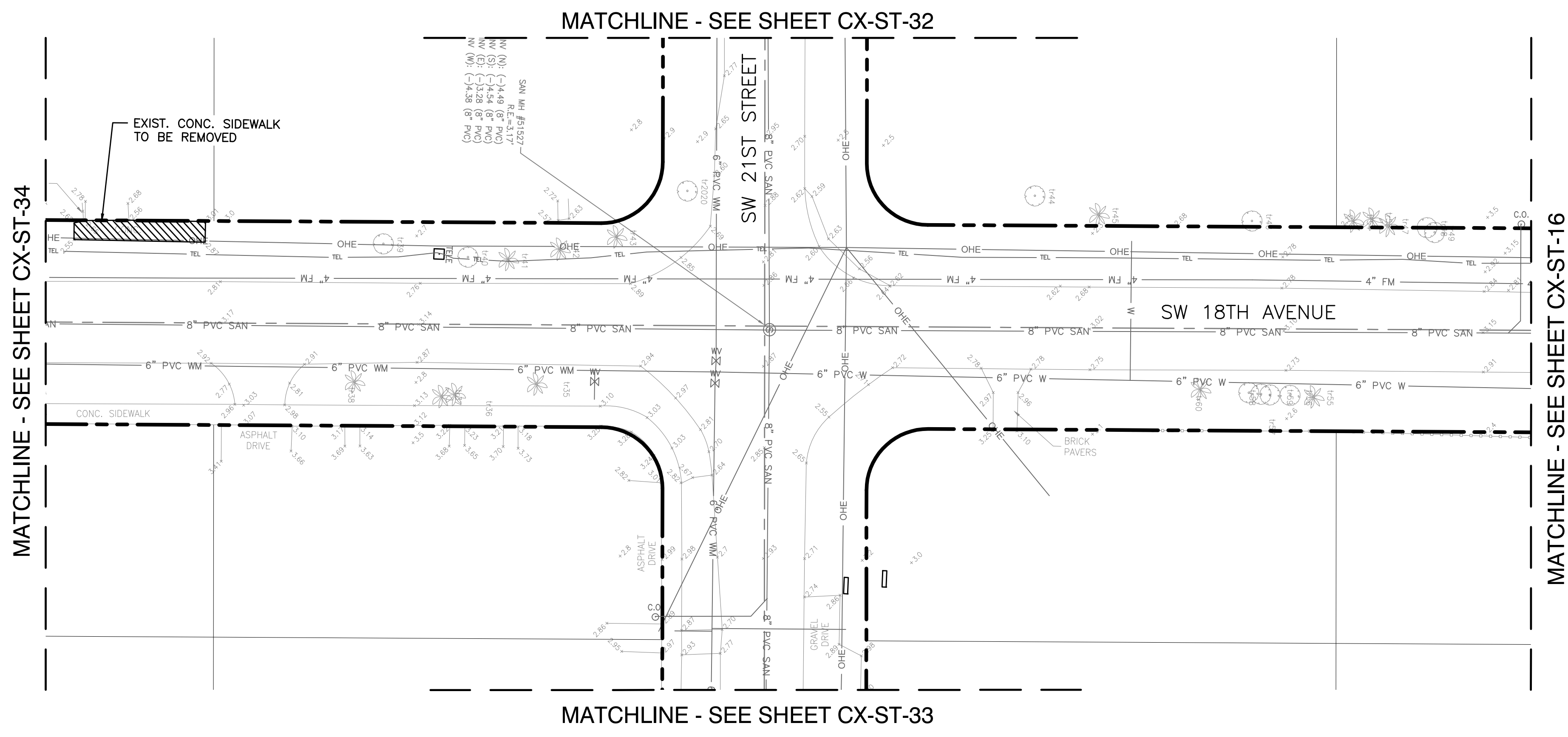
Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using an SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
4/5/2021

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.
CX-ST-39
TOTAL: 254
CAD FILE:
11868-CX-ST-B
DRAWING FILE NO.
4-142-42



BID SET



Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

GRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409 FAX: (954) 739-6409

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE
BASED ON THE NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 1988)

NOTES:

- EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
- 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
- CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using his SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
4/5/2021

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

NO.	DATE	BY	CH'D	DESCRIPTION
1.	04/07/21	MR	ADS	ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.	CX-ST-40
TOTAL:	254
CAD FILE:	11868-CX-ST-B
DRAWING FILE NO.	4-142-42

ENGINEER: PATRICK J. GIBNEY
REG. NO. 49428
DATE: 01/22/2021

DRAWN BY: XXX
DATE: 01/07/2019
DESIGNED BY: XXX
SCALE: 1"=20'
CHECKED BY: XXX
FIELD BOOK: XXX

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

FIELD BOOK:	XXXX
-------------	------



Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771


GRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409
FAX: (954) 739-6409

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114
NOTICE: DESIGN SERVICES ARE THE PROPERTY OF GRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF GRAVEN-THOMPSON & ASSOCIATES, INC. WITHOUT WRITTEN PERMISSION OF GRAVEN-THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017

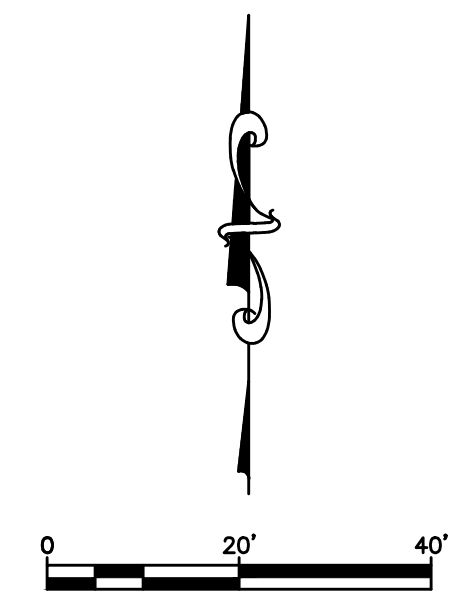
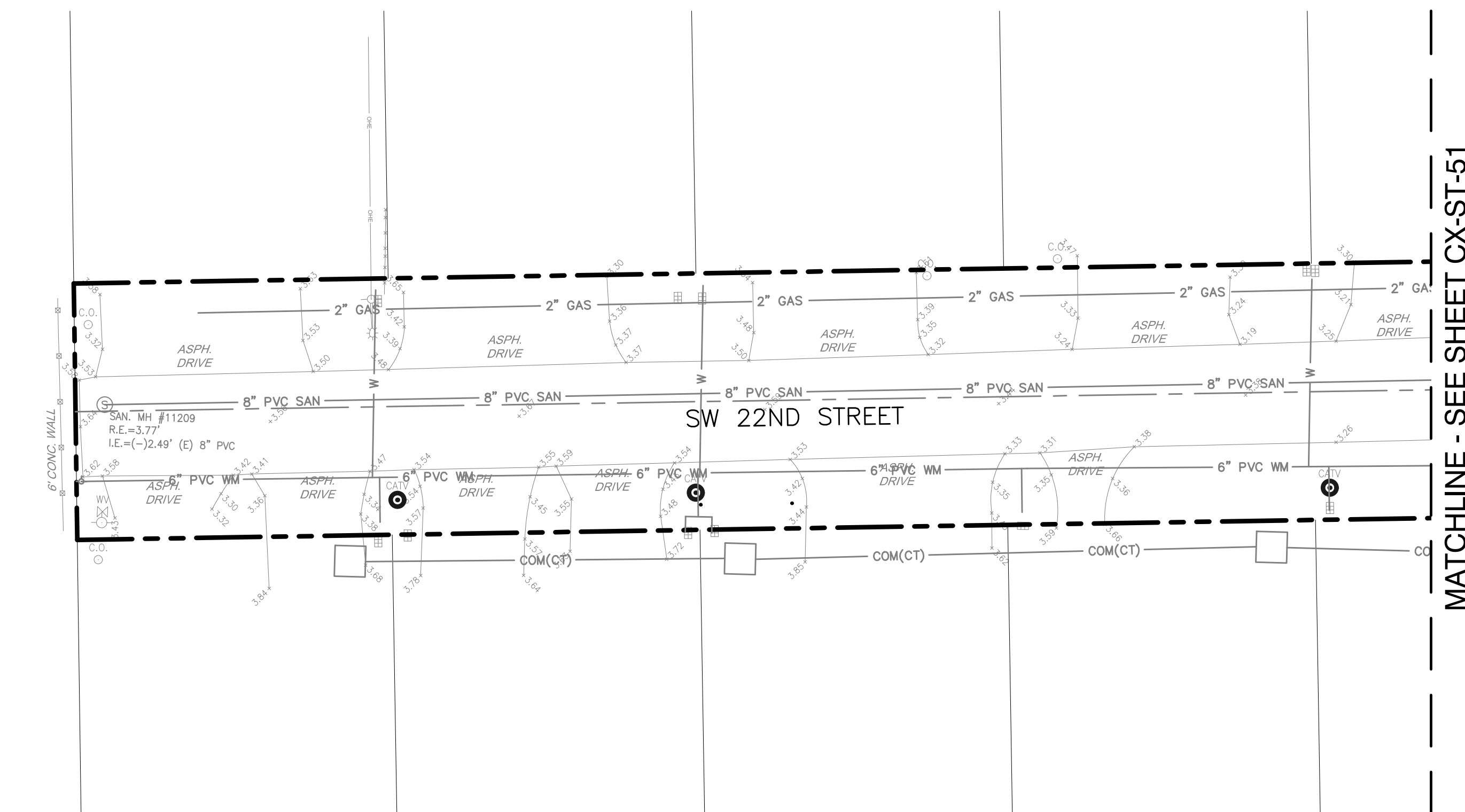
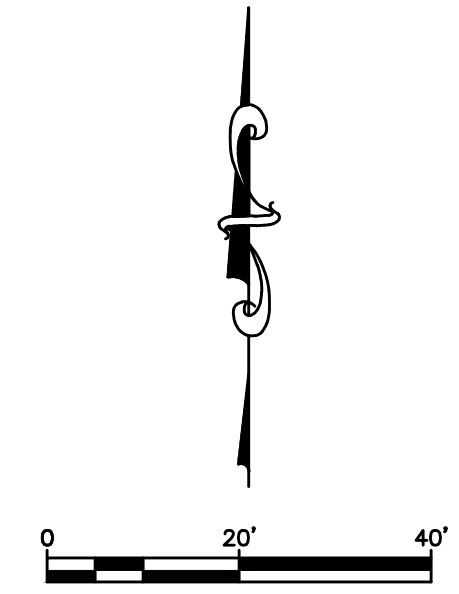
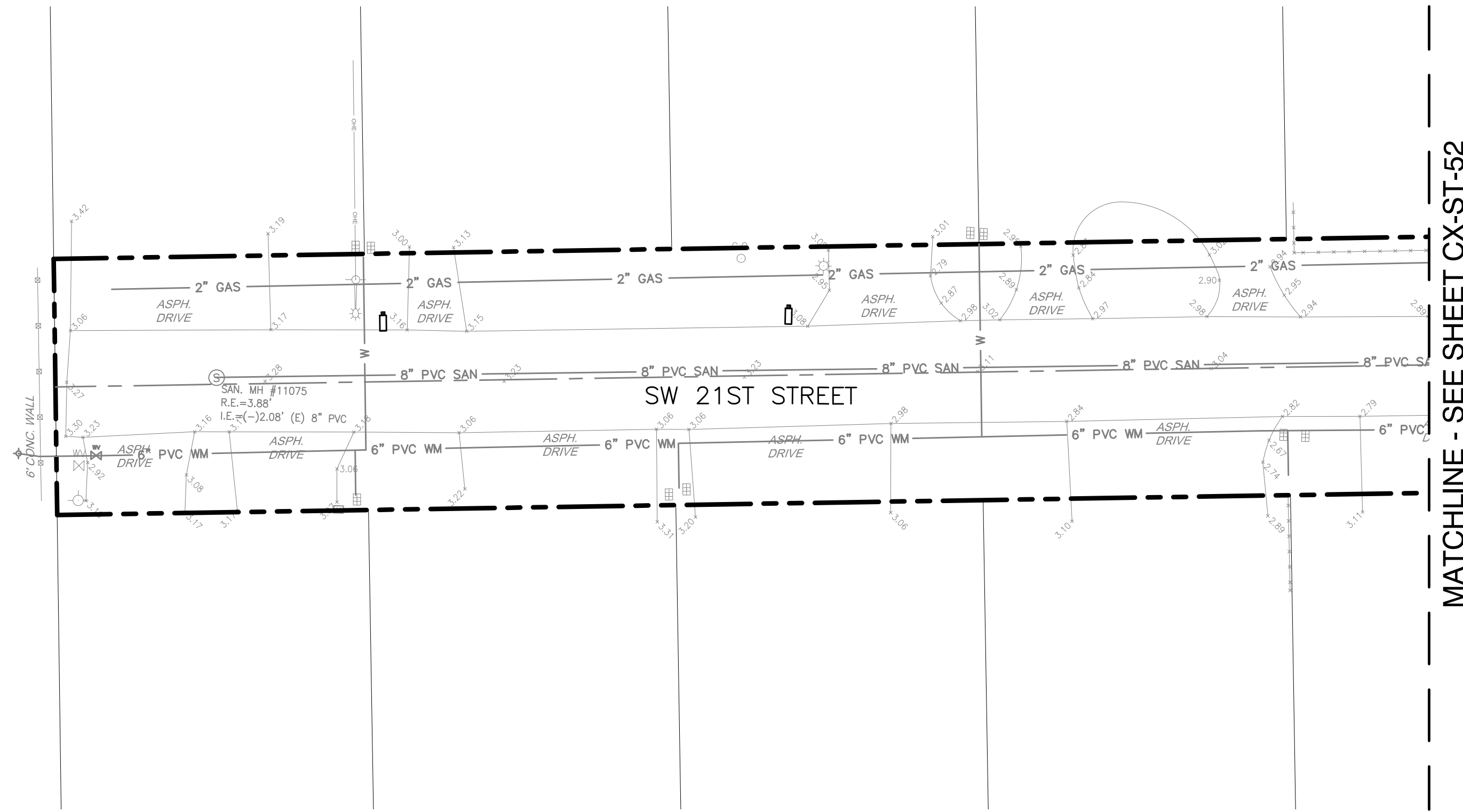
ENGINEER:
PATRICK J. GIBNEY
REG. NO: 49428
DATE: 01/22/2021
TEL: 954-987-0066
FAX: 954-987-2949

DRAWN BY: XXX
DATE: 01/07/2019
DESIGNED BY: XXX
SCALE: 1"=20'
CHECKED BY: XXX
FIELD BOOK: XXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE
BASED ON THE NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 1988)

- NOTES:**
- EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
 - 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
 - CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using an SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
4/5/2021

REVISIONS		DESCRIPTION
NO.	DATE	BY
1.	04/07/21	MR
		ADS
		ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.
CX-ST-42
TOTAL: 254
CAD FILE:
11868-CX-ST-C
DRAWING FILE NO.
4-142-42



BID SET

Hazen

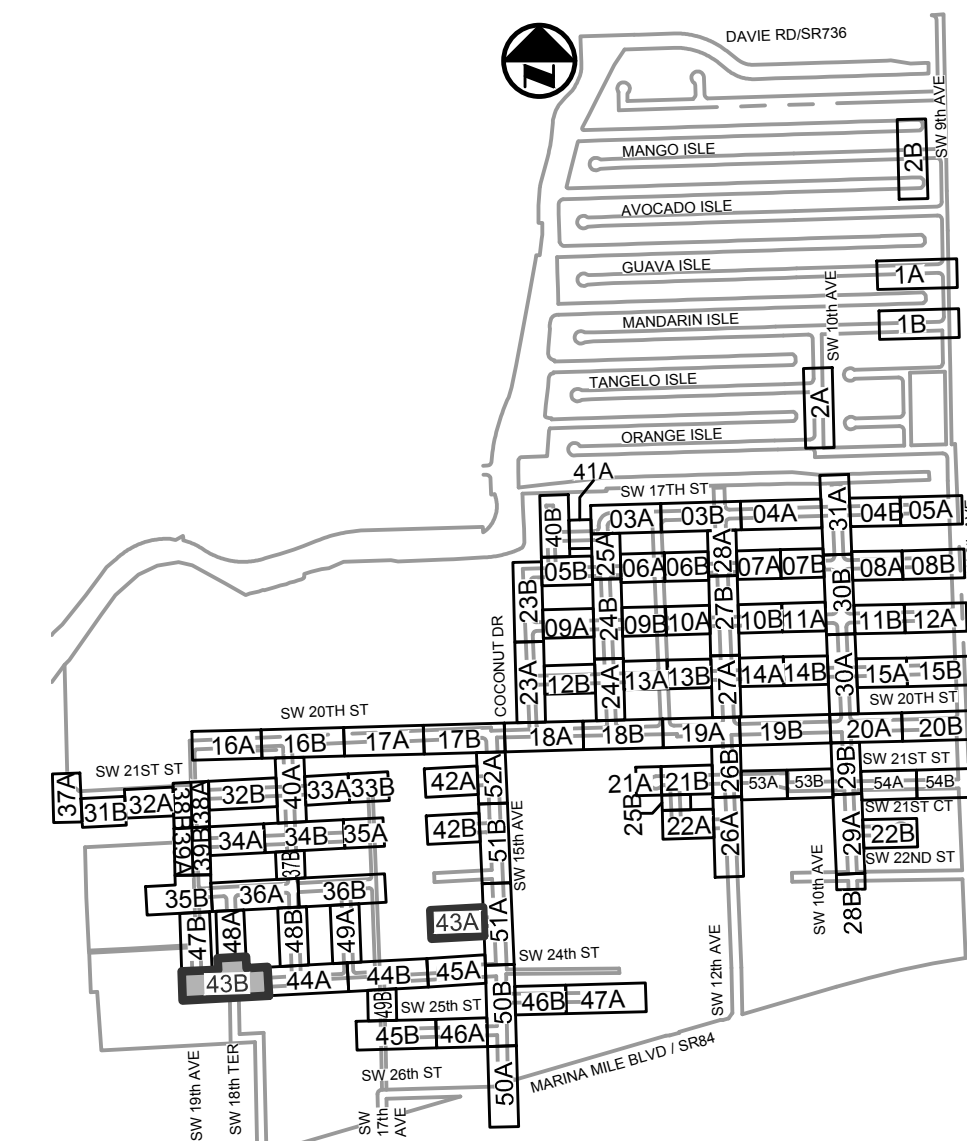
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

G CRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
3563 N.W. 52ND STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

NOTICE: THESE SERVICES ARE THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC. WITHOUT DAMAGE TO HAZEN & SAWYER, INC. OR CRAVEN-THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE
BASED ON THE NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 1988)

NOTES:

- EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
- 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
- CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using his SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
4/5/2021

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.	
CX-ST-43	
TOTAL:	254
CAD FILE:	11868-CX-ST-C
DRAWING FILE NO.	4-142-42

NO.	DATE	BY	CR'D	DESCRIPTION
1.	04/07/21	MR	ADS	ADD. #5 - REISSUED SHEET

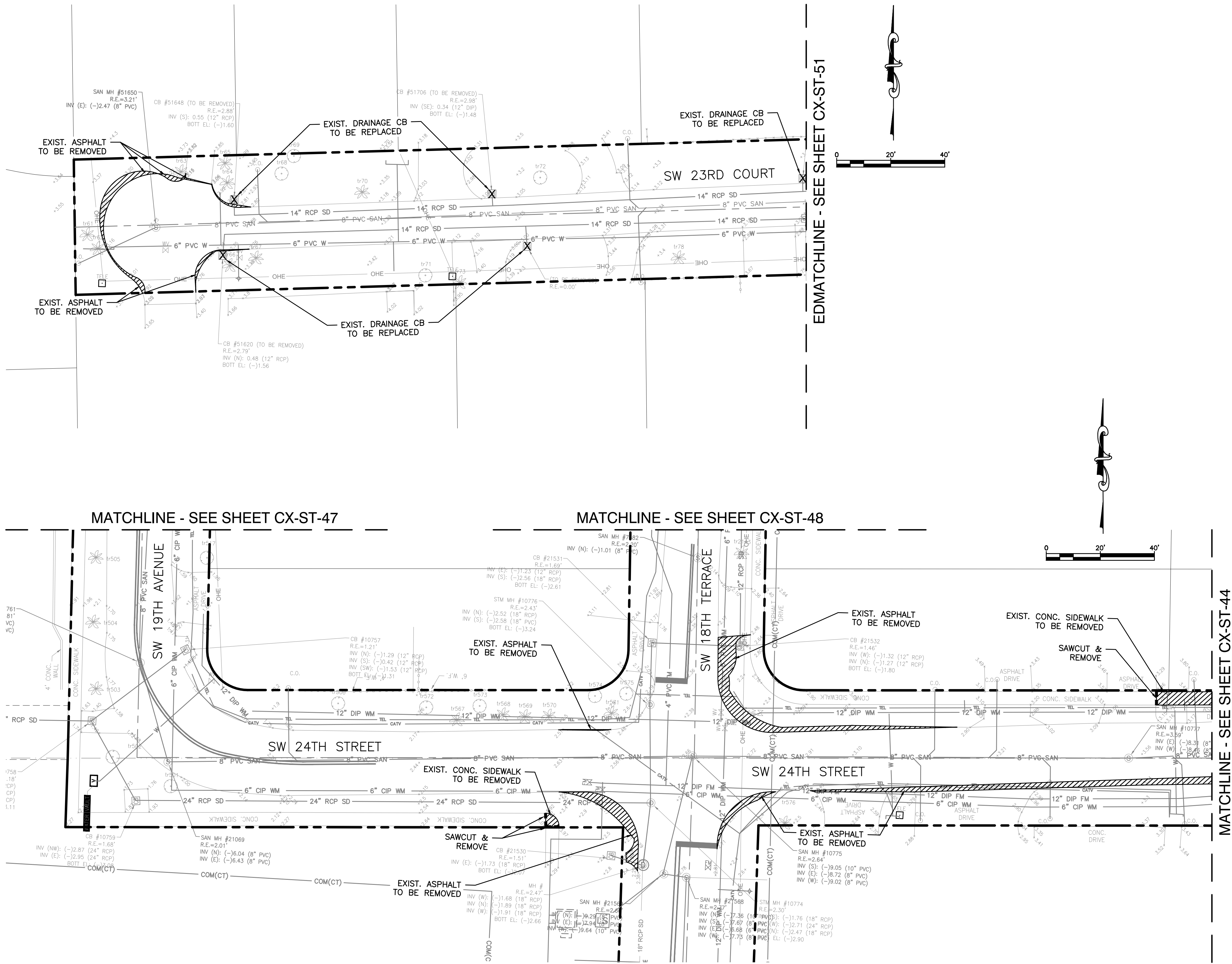
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

DRAWN BY:	DATE:
XXX	01/07/2019
DESIGNED BY:	SCALE:
XXX	1"=20'
CHECKED BY:	FIELD BOOK:
XXX	XXXX

ENGINEER:
PATRICK J. GIBNEY
REG. NO: 49428
DATE: 01/22/2021

TEL: 954-987-0066
FAX: 954-987-2949



EDMATCHLINE - SEE SHEET CX-ST-51

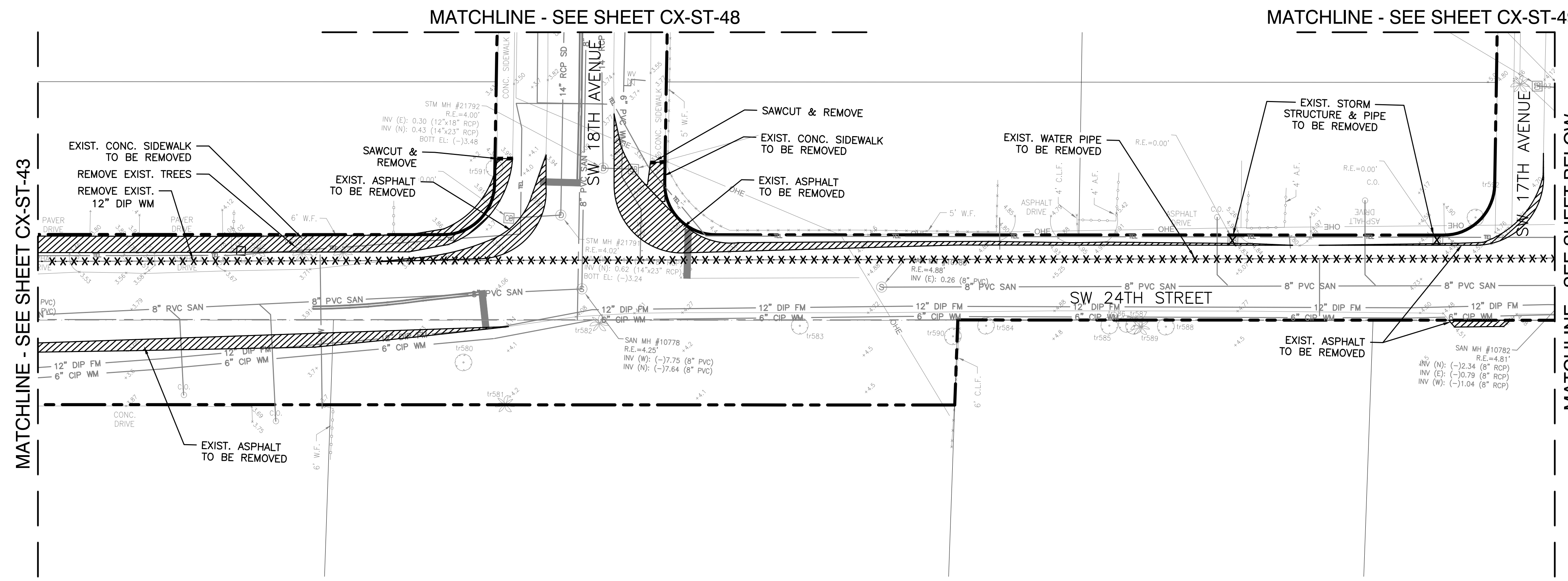
MATCHLINE - SEE SHEET CX-ST-47

MATCHLINE - SEE SHEET CX-ST-48

MATCHLINE - SEE SHEET CX-ST-44



BID SET



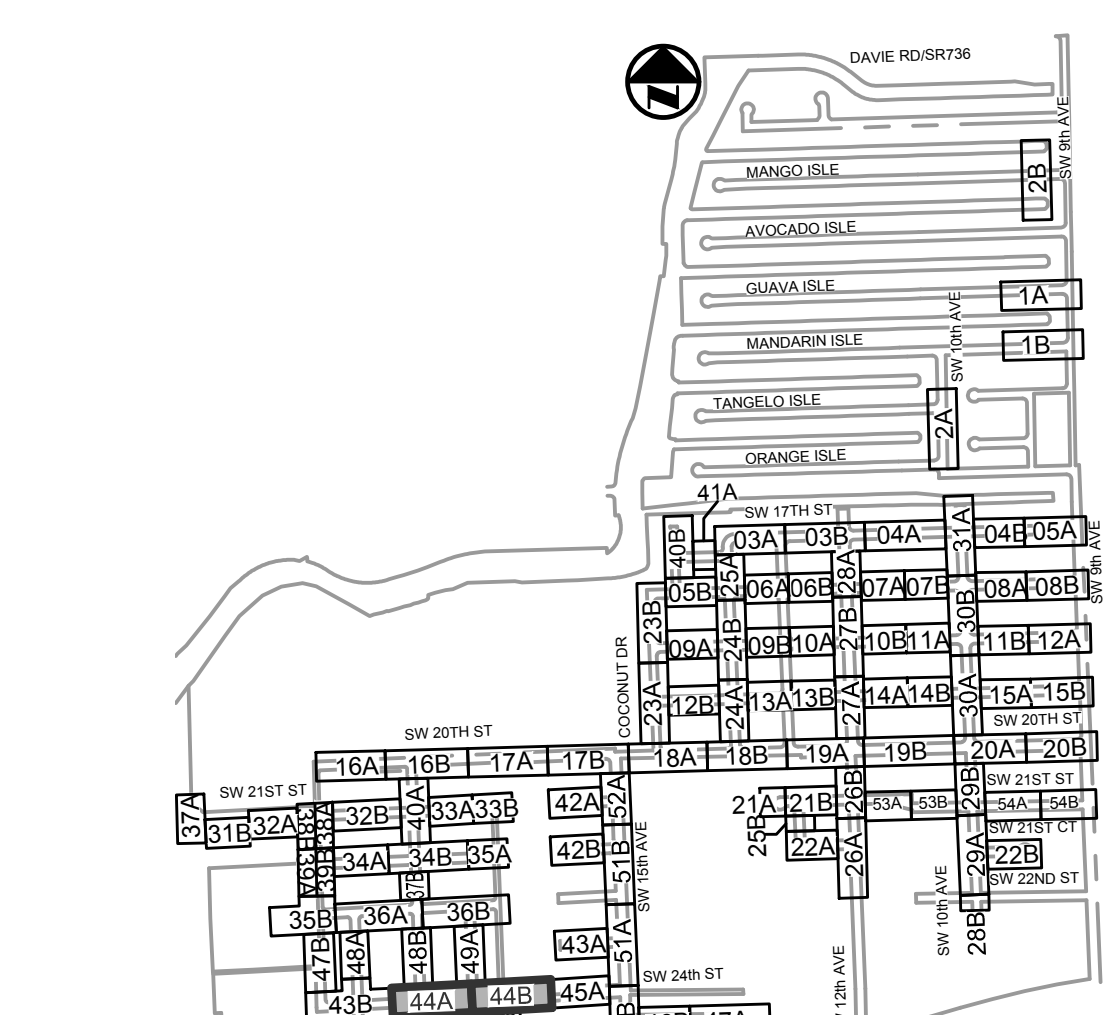
Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

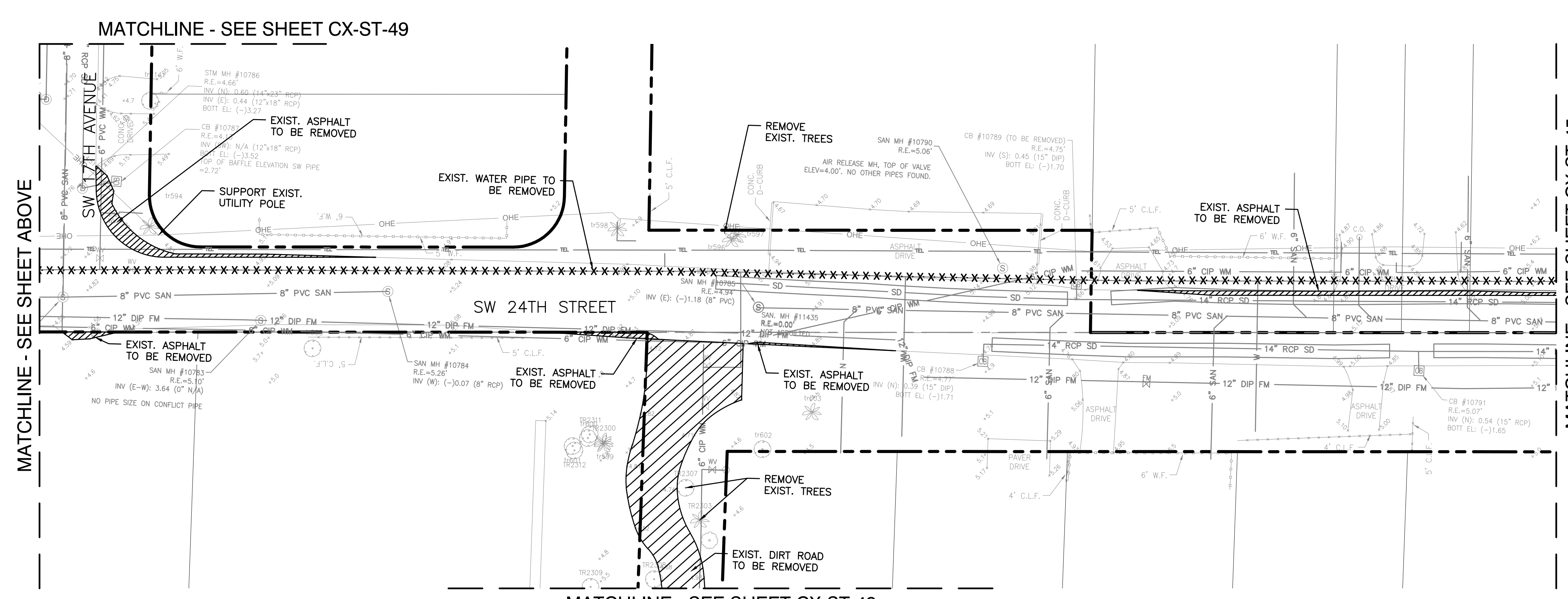
GRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
3563 N.W. 52ND STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409 FAX: (954) 739-6409

FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. 000114



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE
BASED ON THE NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 1988)



NOTES:

- EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
- 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
- CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

ENGINEER:
PATRICK J. GIBNEY
REG. NO: 49428
DATE: 01/22/2021

DRAWN BY: XXX
DATE: 01/07/2019
DESIGNED BY: SCALE: 1"=20'
CHECKED BY: XXX
FIELD BOOK: XXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE

100 North Andrews Avenue, Fort Lauderdale, Florida 33301

NO.	DATE	BY	CH'D	DESCRIPTION
1.	04/07/21	MR	ADS	ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.
CX-ST-44

TOTAL: 254
CAD FILE: 11868-CX-ST-C
DRAWING FILE NO. 4-142-42



BID SET

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

GRAVEN + THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409 FAX: (954) 739-6409


FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

MATERIAL SHOWN HEREON IS THE PROPERTY OF GRAVEN+THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF GRAVEN+THOMPSON & ASSOCIATES, INC. DESIGN: GRAVEN + THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017

ENGINEER:
PATRICK J. GIBNEY
REG. NO: 49428
DATE: 01/22/2021
TEL: 954-987-0068
FAX: 954-987-2949

DRAWN BY: XXX
DATE: 01/07/2019
DESIGNED BY: SCALE: 1"=20'
CHECKED BY: XXX
FIELD BOOK: XXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE
BASED ON THE NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 1988)

NOTES:

- EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
- 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
- CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

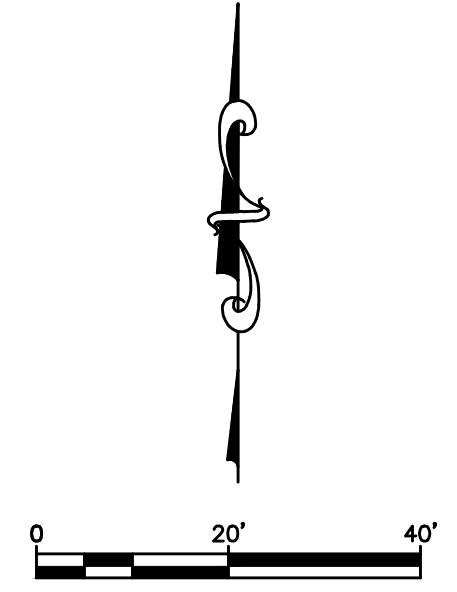
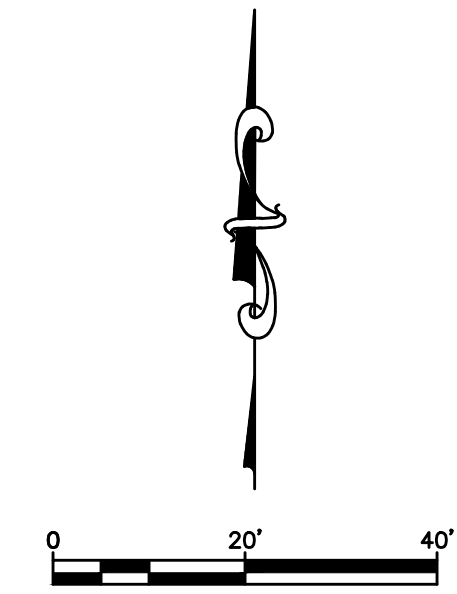
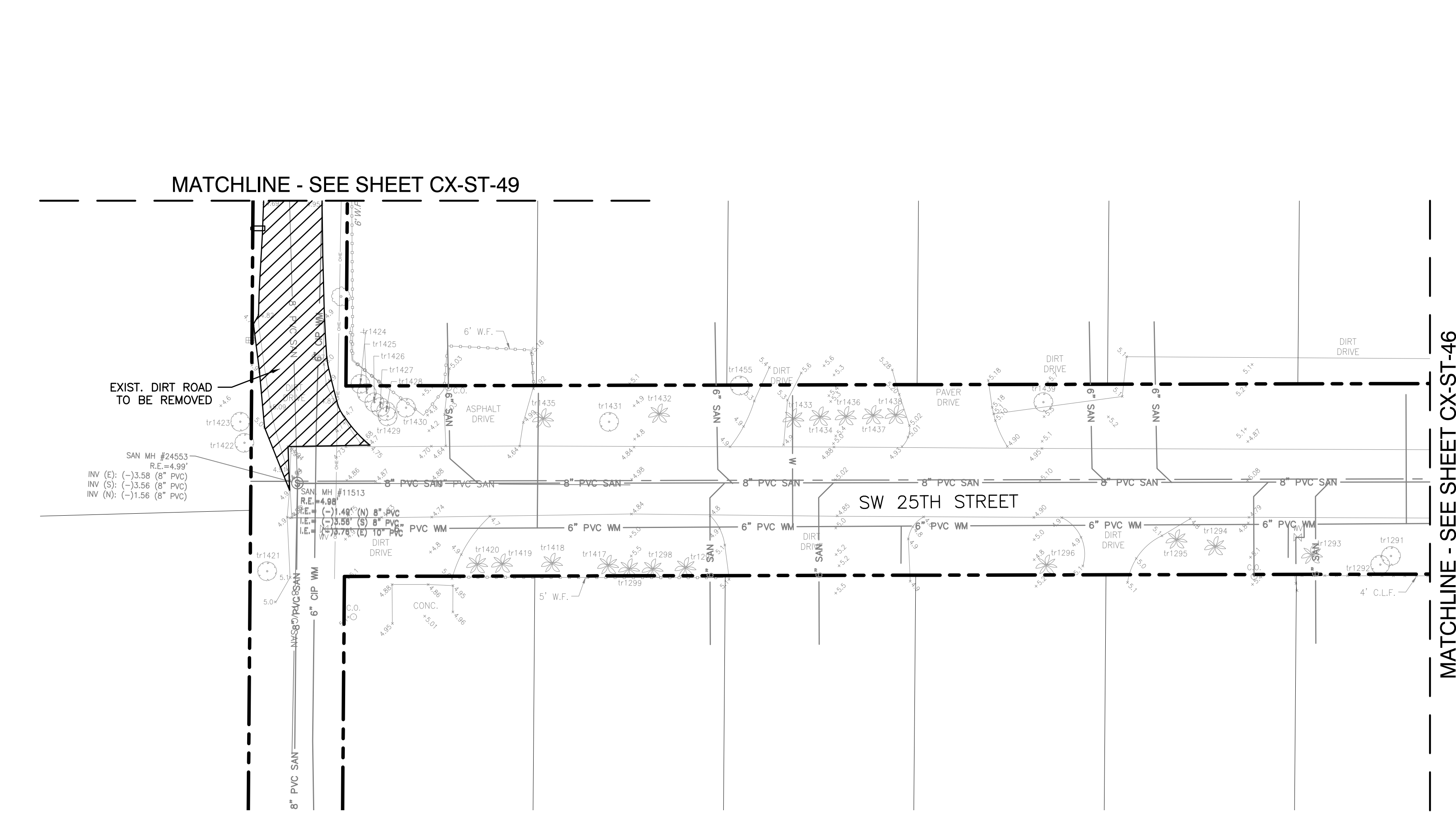
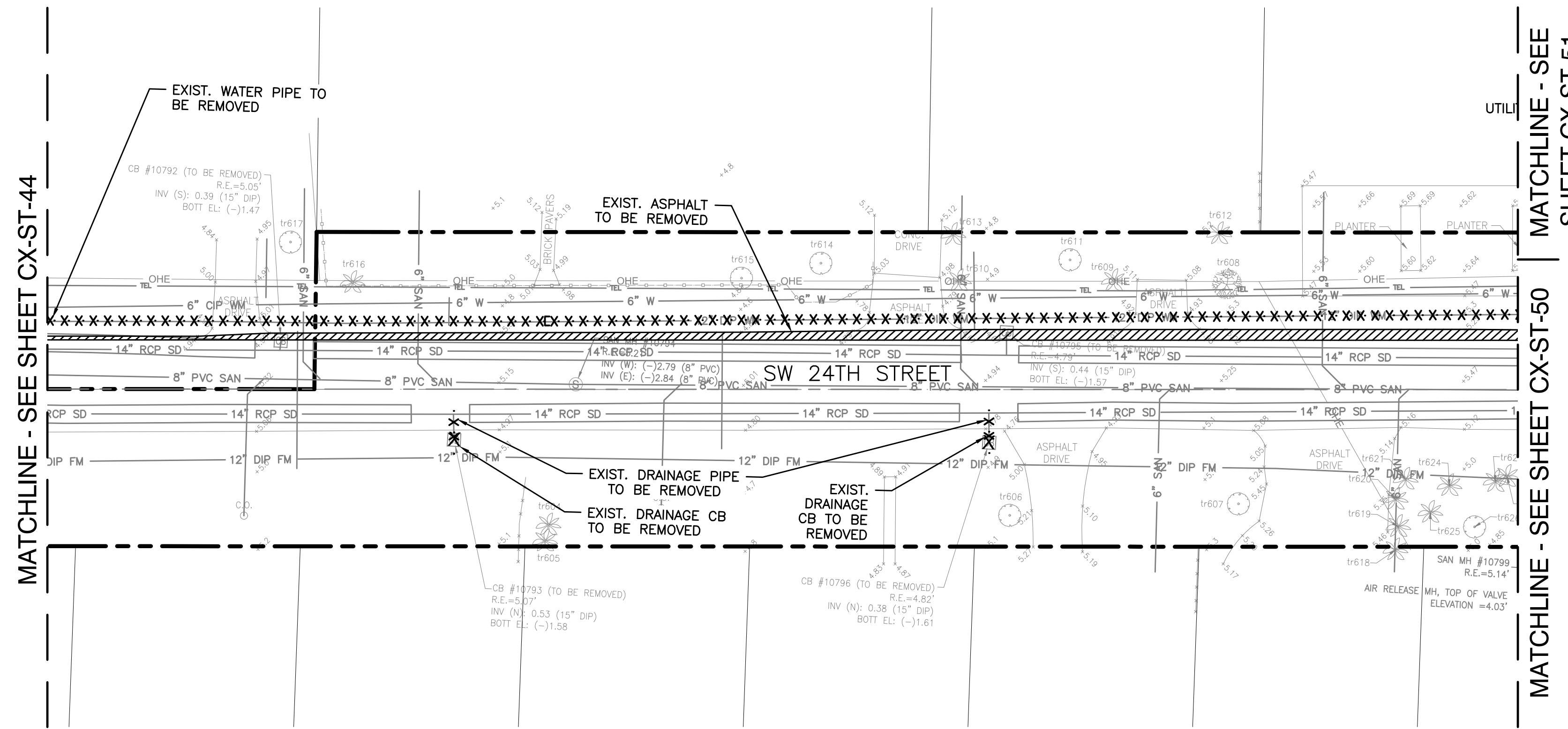
Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using his SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
4/5/2021

REVISIONS		DESCRIPTION
NO.	DATE	BY
1.	04/07/21	MR

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.
CX-ST-45

TOTAL: 254
CAD FILE: 11868-CX-ST-C
DRAWING FILE NO. 4-142-42



BID SET

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

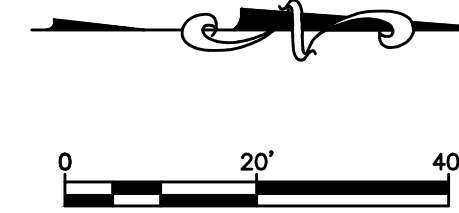
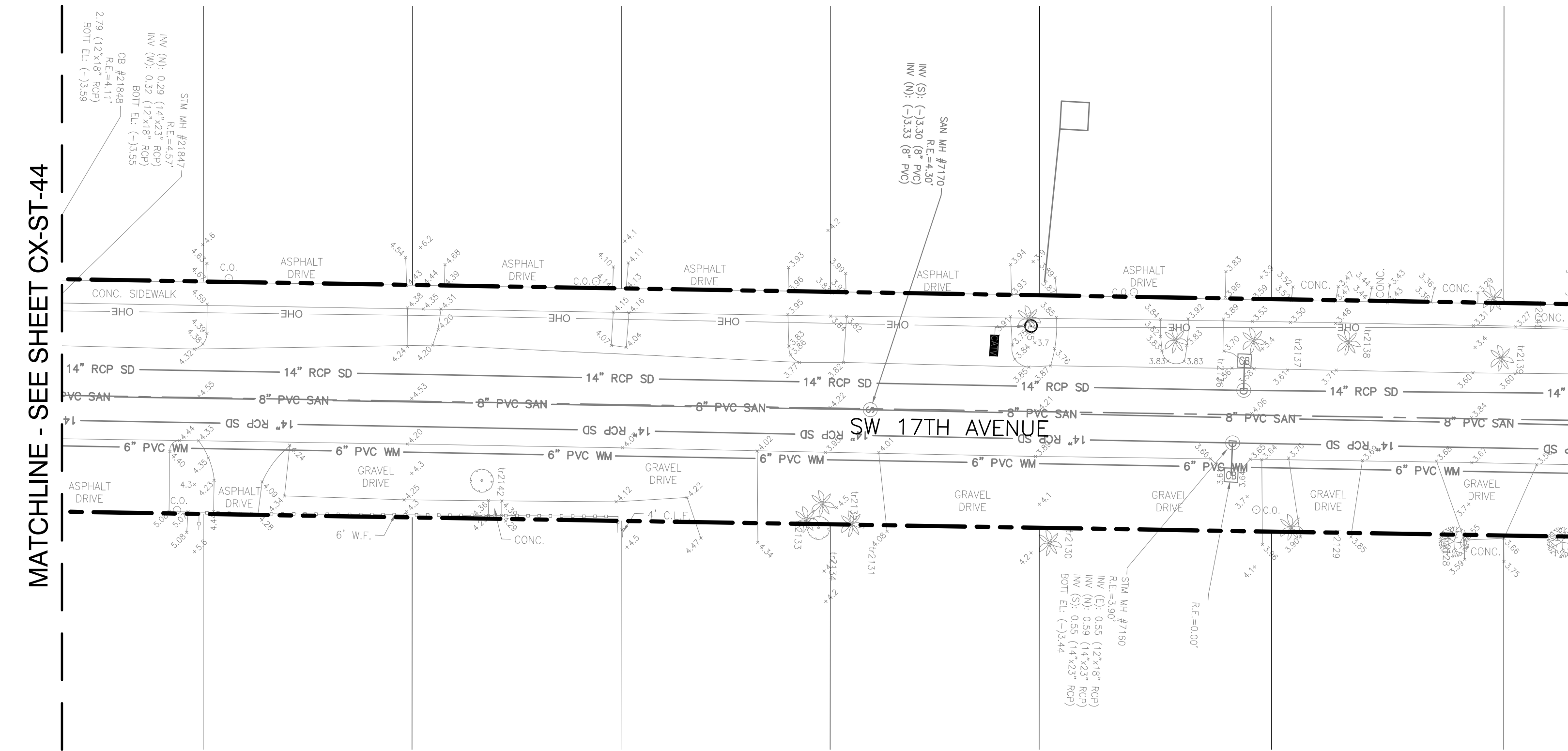
GRAVEN · THOMPSON AND ASSOCIATES, INC.
ENGINEERS · PLANNERS · SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS No. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS No. C000114

ENGINEER:
PATRICK J. GIBNEY
REG. NO: 49428
DATE: 01/22/2021
TEL: 954-987-0066
FAX: 954-987-2949

DRAWN BY: XXX
DATE: 01/07/2019
DESIGNED BY: XXX
SCALE: 1"=20'
CHECKED BY: XXX
FIELD BOOK: XXXX

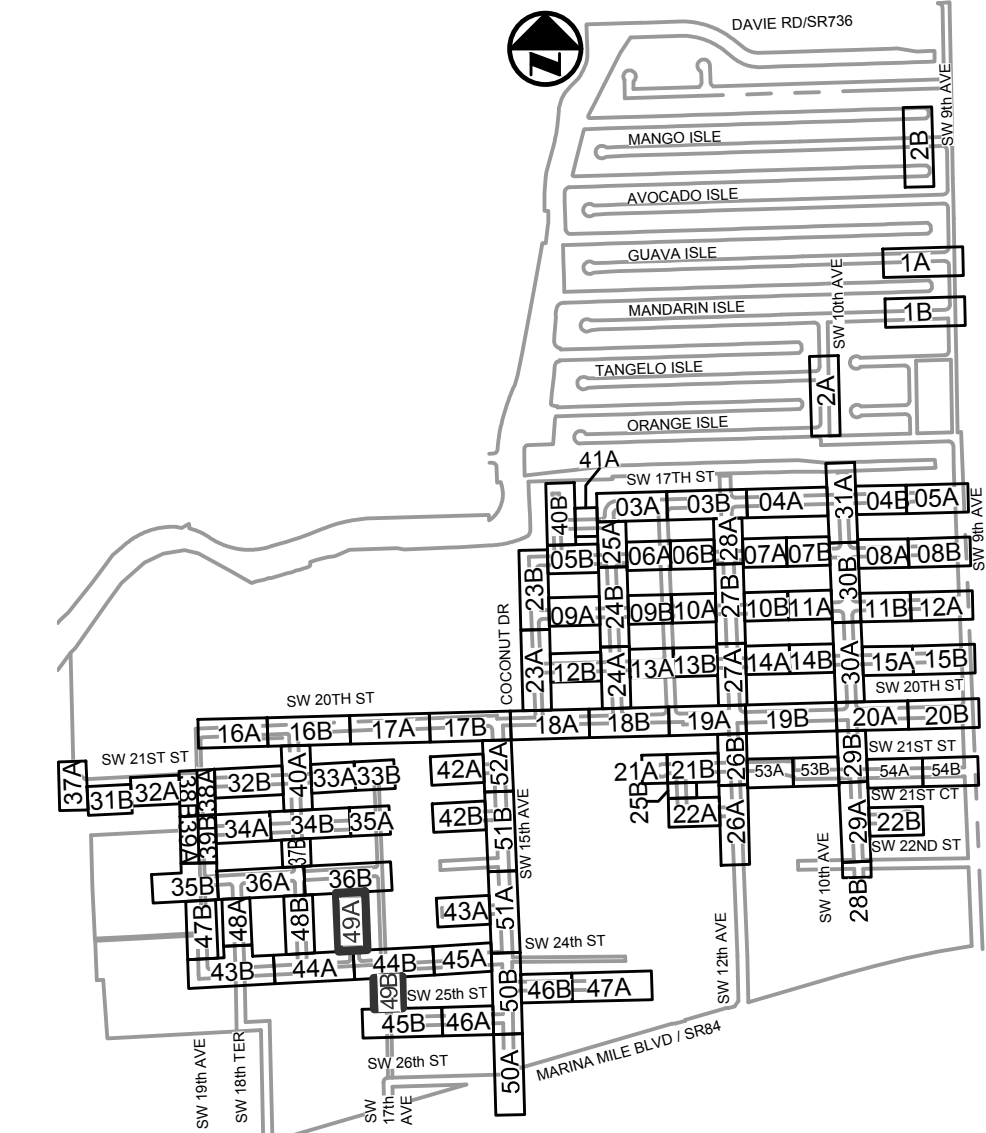
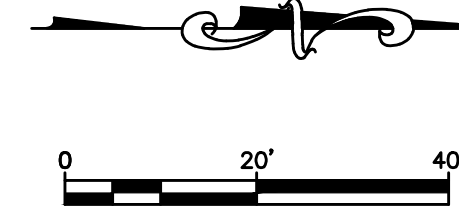
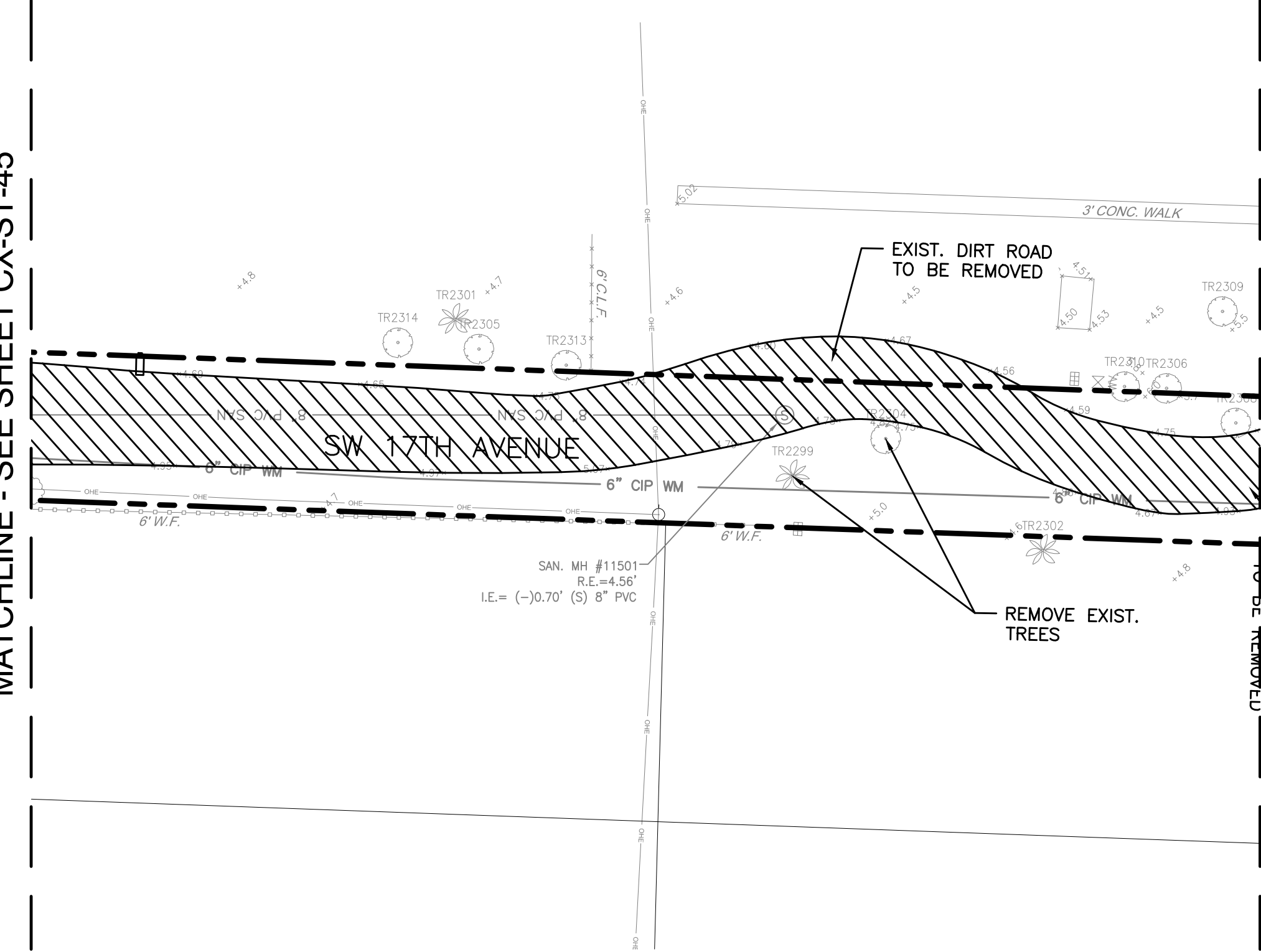
MATCHLINE - SEE SHEET CX-ST-44

MATCHLINE - SEE SHEET CX-ST-36



MATCHLINE - SEE SHEET CX-ST-45

MATCHLINE - SEE SHEET CX-ST-44



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE
BASED ON THE NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 1988)

NOTES:

- EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
- 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
- CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
4/5/2021

NO.	DATE	BY	REVISIONS	
			DESCRIPTION	DATE
1.	04/07/21	MR	ADD.	#5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.
CX-ST-49
TOTAL: 254
CAD FILE:
11868-CX-ST-C
DRAWING FILE NO.
4-142-42

BID SET



Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771


G CRAVEN - THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409 FAX: (954) 739-6409
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

NOTICE: DRAWN HEREON IS THE PROPERTY OF CRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF CRAVEN-THOMPSON & ASSOCIATES, INC. WITHOUT WHICH CRAVEN-THOMPSON & ASSOCIATES, INC. COPYRIGHT © 2017

ENGINEER:
PATRICK J. GIBNEY
REG. NO. 49428
DATE: 01/22/2021
TEL: 954-987-0068
FAX: 954-987-2949

DRAWN BY: XXX
DATE: 01/07/2019
DESIGNED BY: XXX
SCALE: 1"=20'
CHECKED BY: XXX
FIELD BOOK: XXX

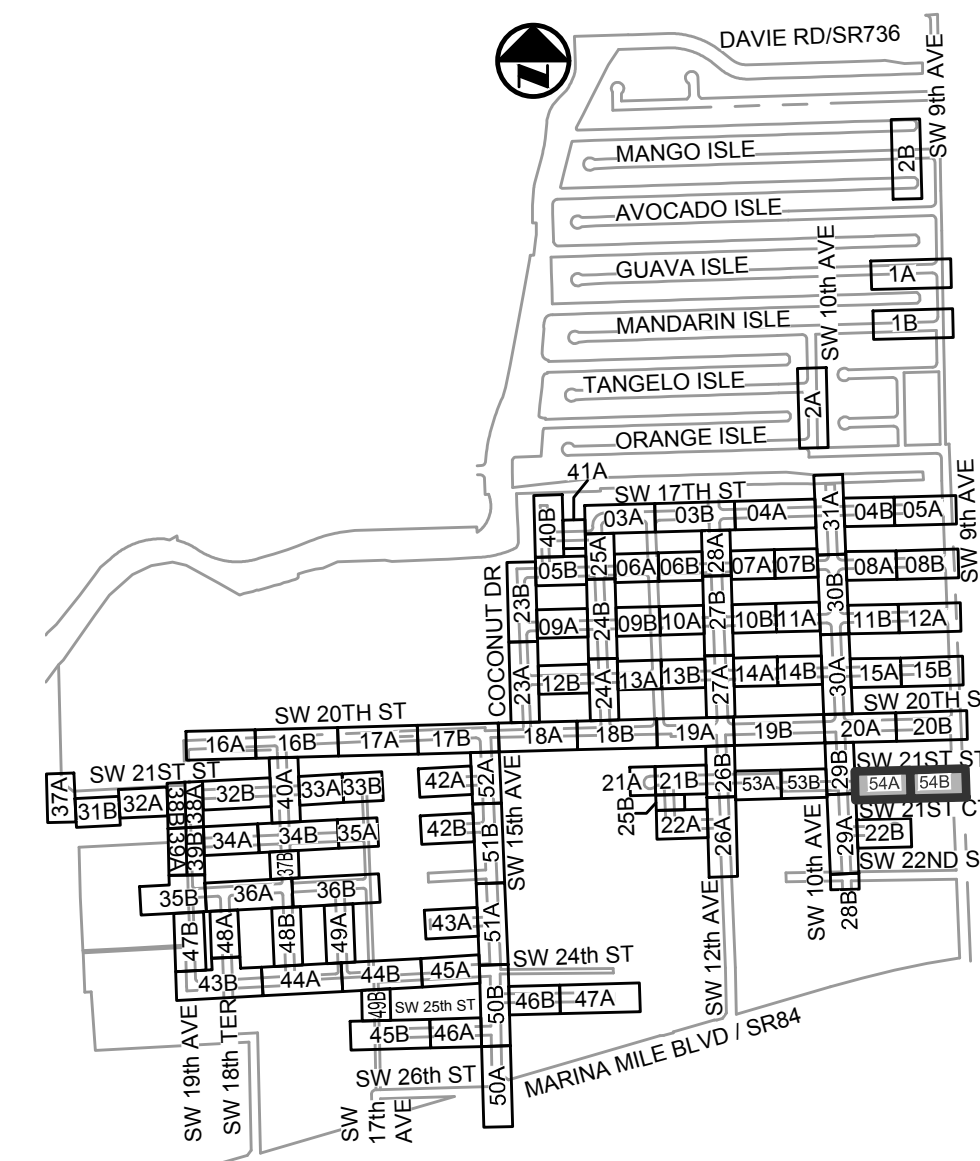
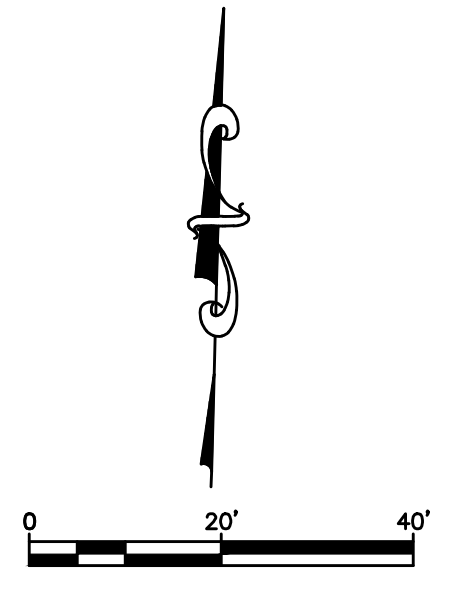
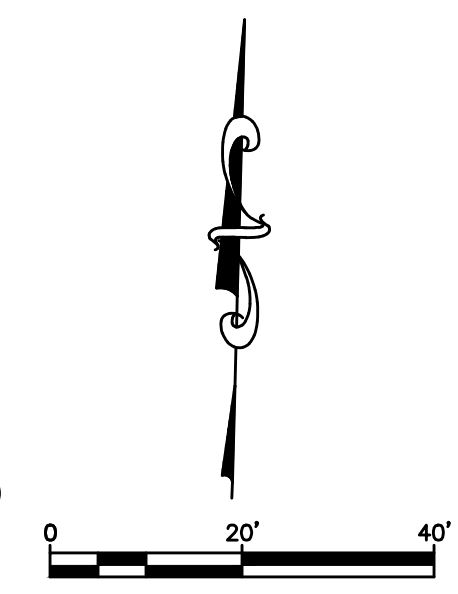
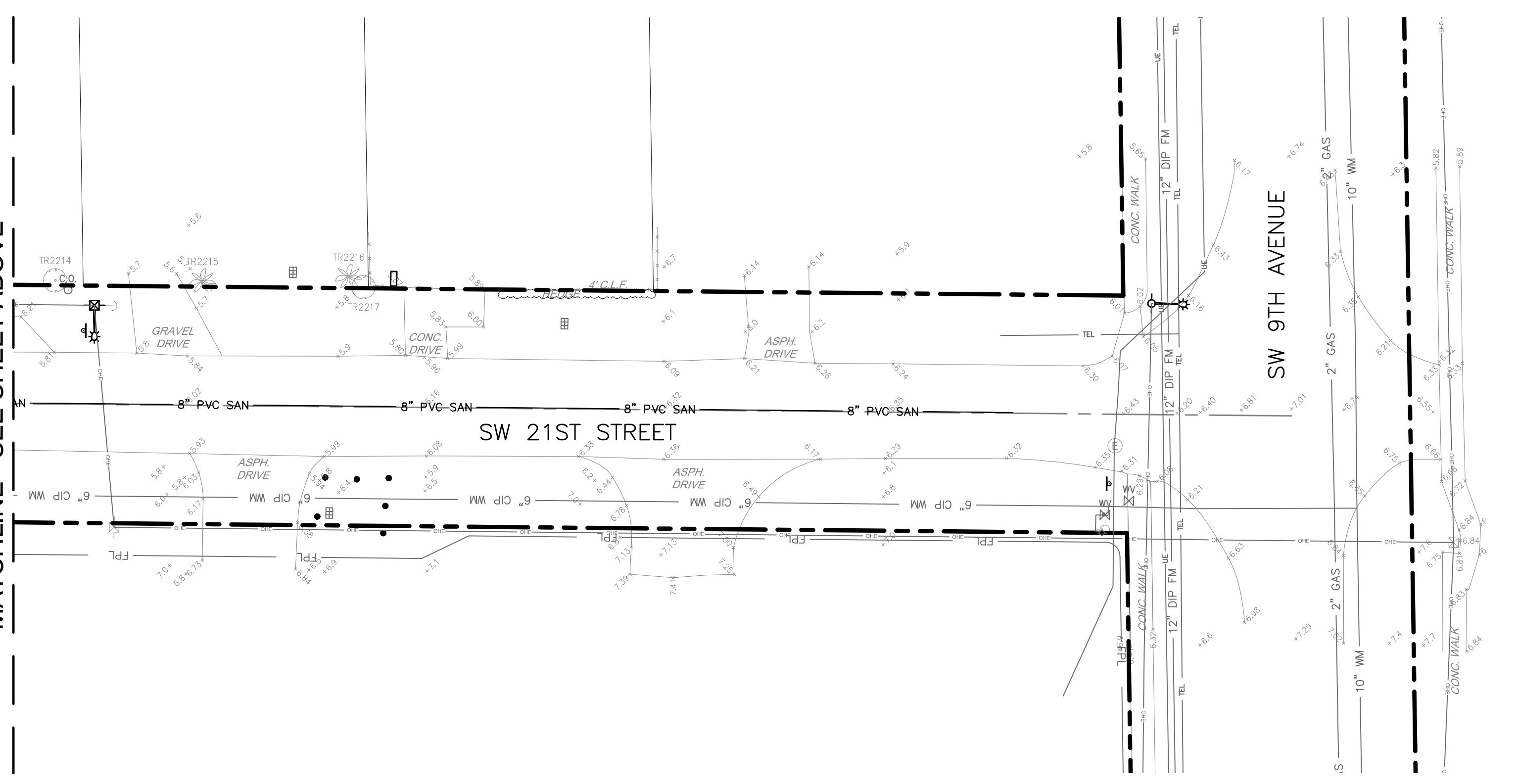
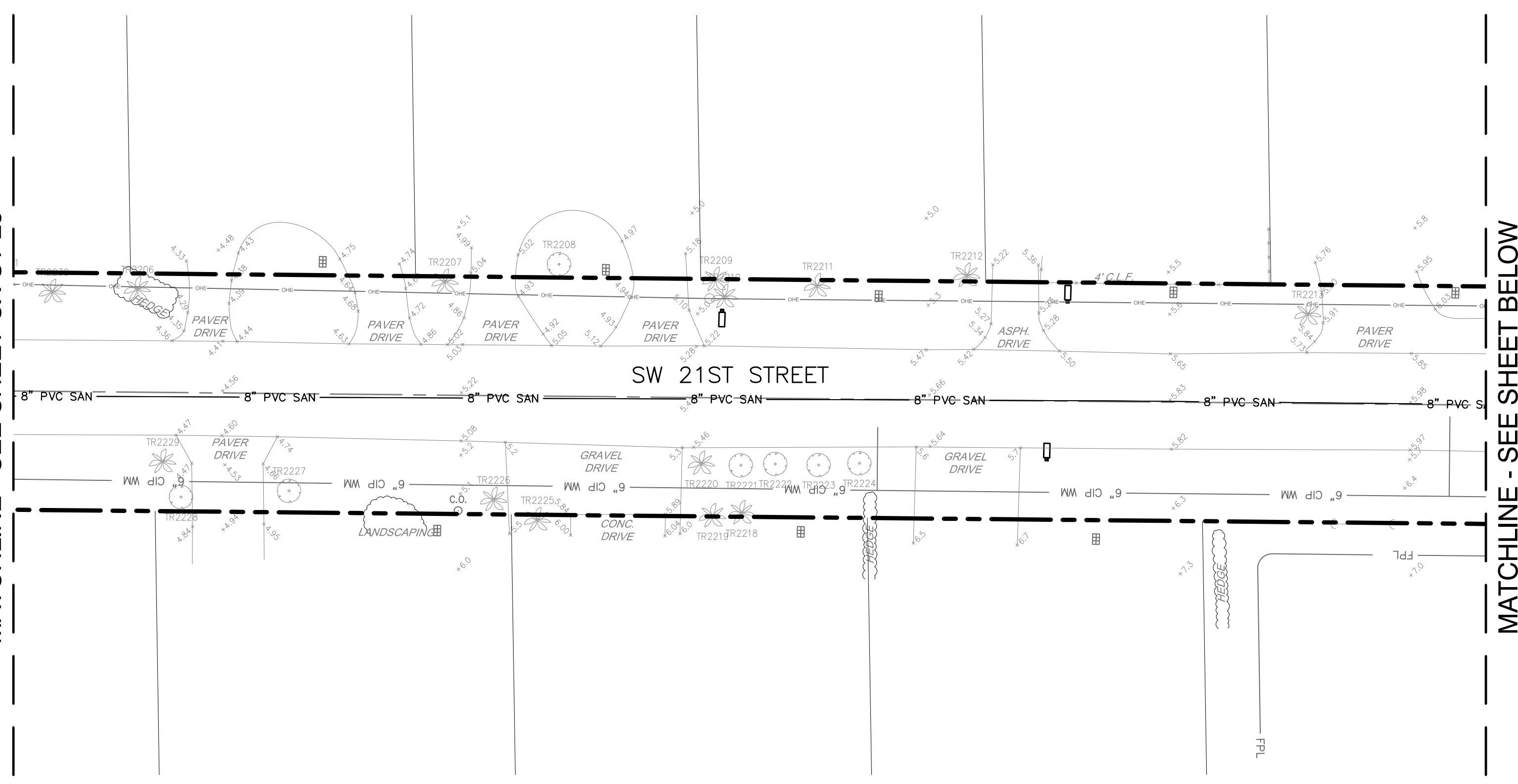
CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

MATCHLINE - SEE SHEET CX-ST-29

MATCHLINE - SEE SHEET ABOVE



KEY MAP
N.T.S.

ELEVATIONS SHOWN HEREON ARE
BASED ON THE NORTH AMERICAN
VERTICAL DATUM 1988 (NAVD 1988)

- NOTES:
- EXISTING UTILITY DEPTHS ARE UNKNOWN UNLESS OTHERWISE INDICATED. LOCATIONS AND DEPTHS ARE ESTIMATED.
 - 4,196 LF OF NEW/RESTORED SWALE PROPOSED FOR ENTIRE PROJECT (SEE DETAIL ON SHEET CZ-DT-22).
 - CONTRACTOR SHALL COORDINATE ALL ADJACENT TREE REMOVAL/RELOCATION WITH PROPERTY OWNER. AT OWNER'S DISCRETION CONTRACTOR SHALL MAKE TREE AVAILABLE OR PLAN/RELOCATE AT HOMEOWNER'S REQUEST WITH SIGNED WAIVER TO PLANT WITHIN PRIVATE PROPERTY.

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using a SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.
4/5/2021

NO.	DATE	BY	CH'D	DESCRIPTION
1.	04/07/21	MR	ADS	ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
EXISTING CONDITIONS &
DEMOLITION PLAN

SHEET NO.
CX-ST-54
TOTAL: 254
CAD FILE:
11868-CX-ST-A
DRAWING FILE NO.
4-142-42



BID SET

Hazen

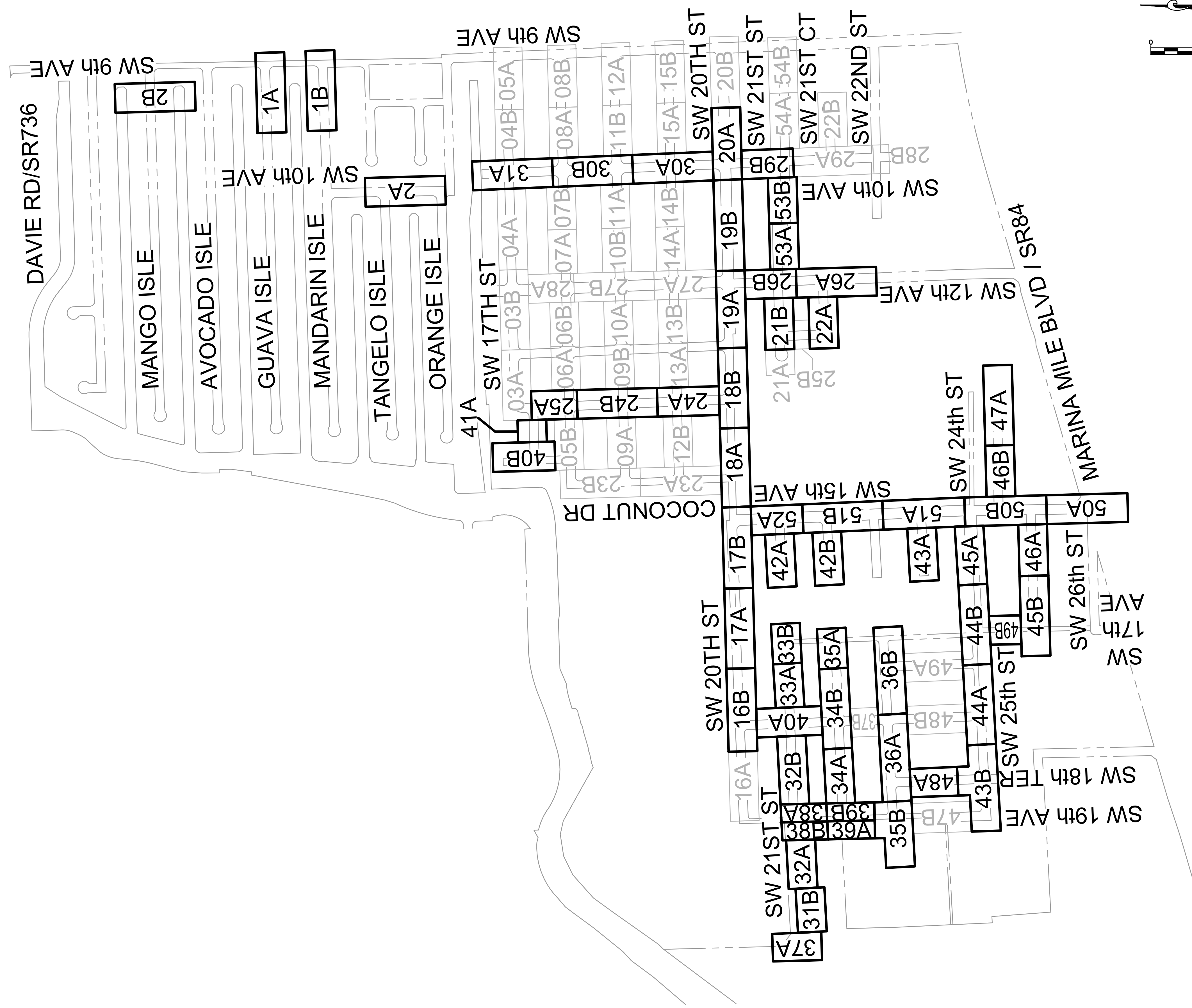
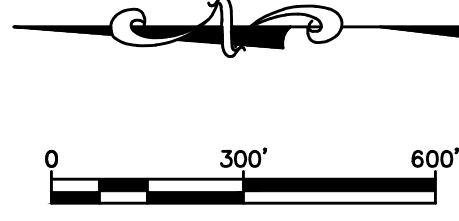
HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771



GRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114


METRIC DIMEN UNITS ARE THE PROPERTY OF GRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEMS. ALL RIGHTS RESERVED. © 2017



Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using an SHA authentication code. Printed copies of this document are not considered signed and sealed, and the SHA authentication code must be verified on any electronic copies.

ENGINEER:	PATRICK J. GIBNEY
REG. NO.:	49428
DATE:	01/22/2021
DRAWN BY:	XXX
DATE:	01/07/2019
DESIGNED BY:	XXX
SCALE:	1" = 300'
CHECKED BY:	XXX
FIELD BOOK:	XXXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE



100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS			
NO.	DATE	BY	DESCRIPTION
1.	04/07/21	MR	ADD ADD. #5 - REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
STORM DRAINAGE PLAN SITE KEY
MAP

SHEET NO.
CU-KY-01
TOTAL: 254
CAD FILE:
11868-CU-KY01
DRAWING FILE NO.
4-142-42

BID SET

Hazen

HAZEN AND SAWYER
4000 HOLLYWOOD BLVD, SUITE 750N
HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

GRAVEN • THOMPSON AND ASSOCIATES, INC.
ENGINEERS • PLANNERS • SURVEYORS
3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
TEL: (954) 739-6409 FAX: (954) 739-6409
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114

NOTAL: JOHN HAZEN IS THE PROPERTY OF GRAVEN-THOMPSON & ASSOCIATES, INC. AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN PERMISSION OF GRAVEN-THOMPSON & ASSOCIATES, INC. WITHOUT GRAVEN-THOMPSON & ASSOCIATES, INC. CONSENT © 2017

ENGINEER:
PATRICK J. GIBNEY
REG. No: 49428
DATE: 01/22/2021
TEL: 954-987-0066
FAX: 954-987-2949

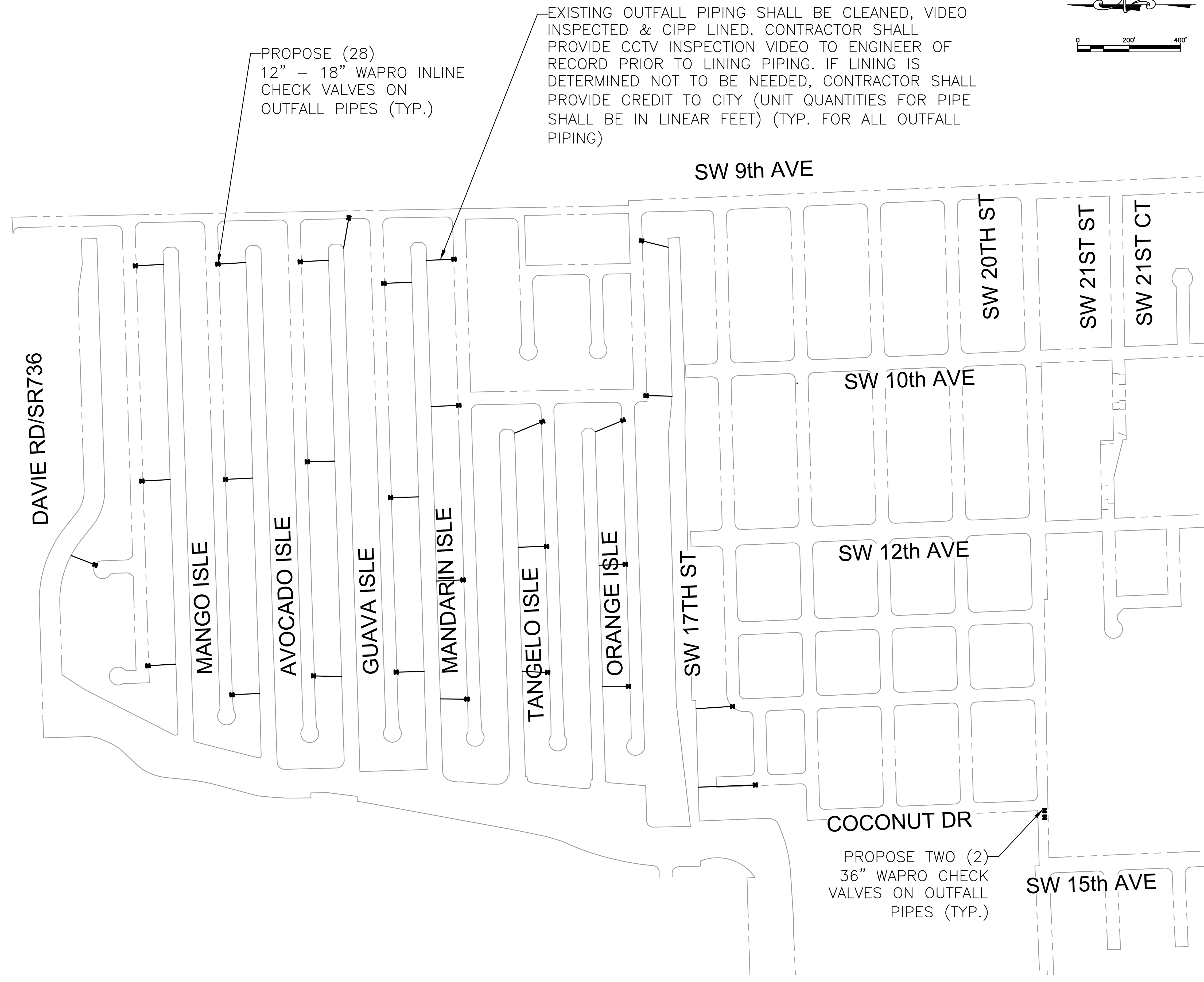
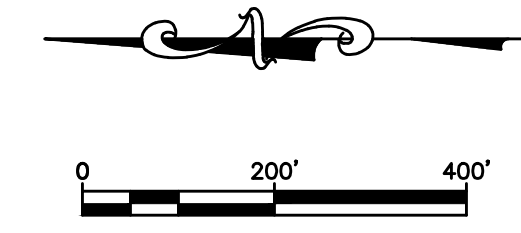
DRAWN BY: XXXX
DATE: 01/07/2019
DESIGNED BY: XXXX
SCALE: 1"=300'
CHECKED BY: XXXX
FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE
PUBLIC WORKS DEPARTMENT
ENGINEERING & ARCHITECTURE
100 North Andrews Avenue, Fort Lauderdale, Florida 33301

REVISIONS		NO.	DATE	BY	CHK'D	DESCRIPTION
1.	04/07/21	MR	ADS	ADD.	#5	- REISSUED SHEET

PROJECT # 11868
STORMWATER IMPROVEMENTS
RIVER OAKS NEIGHBORHOOD
CHECK VALVE & PIPE LINING
OVERALL PLAN

SHEET NO.
CU-CV-01
TOTAL: 254
CAD FILE: 11868-CU-CV01
DRAWING FILE NO. 4-142-42



PROPOSE (28)
12" - 18" WAPRO INLINE
CHECK VALVES ON
OUTFALL PIPES (TYP.)

EXISTING OUTFALL PIPING SHALL BE CLEANED, VIDEO
INSPECTED & CIPP LINED. CONTRACTOR SHALL
PROVIDE CCTV INSPECTION VIDEO TO ENGINEER OF
RECORD PRIOR TO LINING PIPING. IF LINING IS
DETERMINED NOT TO BE NEEDED, CONTRACTOR SHALL
PROVIDE CREDIT TO CITY (UNIT QUANTITIES FOR PIPE
SHALL BE IN LINEAR FEET) (TYP. FOR ALL OUTFALL
PIPING)

PROPOSE TWO (2)
36" WAPRO CHECK
VALVES ON OUTFALL
PIPES (TYP.)

BID SET

SUMMARY OF STORMWATER PIPES


Craven-Thomasson and Associates, Inc.
 ENGINEERS • PLANNERS • SURVEYORS
 3563 N.W. 53RD STREET, FORT LAUDERDALE, FLORIDA 33309
 FAX: (954) 739-6409 TEL: (954) 739-6400
FLORIDA LICENSED ENGINEERING, SURVEYING & MAPPING BUSINESS NO. 271
 FLORIDA LICENSED LANDSCAPE ARCHITECTURE BUSINESS NO. C000114
 WEBSITE: WWW.C-T.COM
 © 2017

Hazen

Hazen and Sawyer
 4000 HOLLYWOOD BLVD, SUITE 750N
 HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

ENGINEER: J. GIBNEY
 REG. NO: 49428
 DATE: 01/22/2021
 TEL: 954-987-0868
 FAX: 954-987-2949

Name	Description	Start Structure	Start Invert Elevation	End Structure	End Invert Elevation	3D Length - Center to Center
P2	15" RCP	S4	-0.70'	S3	-0.70'	26.77'
P3	18" RCP	S3	-0.90'	S7	-0.90'	270.49'
P4	18" RCP	S7	-0.75'	S9	-0.75'	243.93'
P5	18" RCP	S9	-1.13'	S7	-1.13'	82.94'
P6	15" RCP	S8	-0.75'	S9	-0.75'	29.68'
P7	15" RCP	S6	-0.60'	S7	-0.60'	26.12'
P32	24" RCP	S156	-3.30'	S317	-3.30'	160.22'
P33	24" RCP	S317	-3.30'	S157	-3.30'	126.03'
P35	24" RCP	S157	-3.95'	S159	-3.95'	177.64'
P36	24" RCP	S159	-2.21'	S160	-2.21'	17.06'
P51	66" RCP	S66	-5.37'	S392	-5.37'	155.76'
P51 (2) (1)	66" RCP	S392	-6.00'	S418	-6.00'	174.04'
P52	66" RCP	S311	-5.54'	S52	-5.54'	29.30'
P53	66" RCP	S52	-8.00'	S51	-8.00'	161.26'
P54	66" RCP	S51	-8.00'	S49	-8.00'	161.31'
P57	66" RCP	S49	-8.00'	S47	-8.00'	193.44'
P58	66" RCP	S47	-7.00'	S46	-7.00'	195.77'
P59	66" RCP	S46	-7.00'	S45	-7.00'	101.74'
P60	66" RCP	S45	-7.50'	S359	-7.50'	275.55'
P60 (1)	66" RCP	S357	-8.00'	S44	-9.00'	161.43'
P60 (2)	66" RCP	S358	-8.00'	S357	-8.00'	134.92'
P60 (3)	66" RCP	S359	-5.50'	S358	-7.00'	79.66'
P61 (1)	66" RCP	S44	-9.00'	S42	-9.00'	269.69'
P62	66" RCP	S42	-8.50'	S324	-8.50'	236.79'
P62 (1)	66" RCP	S324	-8.50'	S171	-8.50'	191.51'
P73	18" RCP	S85	-3.02'	S86	-3.02'	204.44'
P74	24" RCP	S86	-3.37'	S89	-3.37'	205.61'
P76	24" RCP	S89	-3.79'	S103	-3.79'	59.70'
P85	24" RCP	S104	-5.11'	S397	-5.11'	22.07'
P85 (2)	24" RCP	S397	-5.11'	S105	-5.11'	8.84'
P86	24" RCP	S105	-3.50'	S106	-3.50'	301.75'
P87	24" RCP	S106	-3.72'	S107	-3.72'	189.39'
P88	24" RCP	S107	-4.34'	S108	-4.34'	120.31'
P89	24" RCP	S108	-4.25'	S112	-4.25'	45.46'
P90	24" RCP	S112	-4.22'	S110	-4.22'	159.32'
P91	24" DIP	S111	-3.60'	S110	-3.60'	67.94'
P92	36" RCP	S110	-5.27'	S398	-5.27'	143.67'
P92 (2)	36" RCP	S352	-2.50'	S454	-3.00'	14.45'
P92 (2) (1)	36" RCP	S454	-6.00'	S441	-6.37'	12.50'
P92 (4)	36" RCP	S398	-2.50'	S352	-2.50'	22.27'
P95	18" RCP	S202	-1.20'	S112	-1.20'	13.37'
P96	15" RCP	S119	-2.00'	S116	-2.00'	16.98'
P97	18" RCP	S120	-4.00'	S116	-4.00'	22.80'
P98	24" RCP	S312	-1.77'	S374	-1.77'	185.01'
P98 (1)	24" RCP	S374	-2.00'	S122	-2.00'	44.20'
P99	24" RCP	S122	-2.00'	S137	-2.00'	205.99'
P99 (1)	24" RCP	S137	-2.00'	S123	-2.00'	55.46'
P100	18" RCP	S130	-3.59'	S111	-3.59'	21.93'
P101	24" RCP	S116	-2.05'	S111	-2.05'	177.48'
P102	24" RCP	S127	-3.67'	S316	-3.67'	191.00'
P103	24" RCP	S316	-2.05'	S116	-2.05'	43.05'
P104	18" RCP	S129	-3.78'	S316	-3.78'	22.04'
P105	18" RCP	S126	-3.50'	S127	-4.00'	20.31'
P106	24" RCP	S128	-2.43'	S127	-2.43'	87.86'
P107	18" RCP	S124	-3.83'	S128	-3.83'	20.45'
P108	24" RCP	S123	-3.27'	S128	-3.27'	201.35'
P109	24" RCP	S125	-3.50'	S469	-3.50'	23.40'
P109 (1)	24" RCP	S469	-4.00'	S123	-4.00'	23.64'
P110	18" RCP	S135	-0.75'	S136	-0.75'	12.90'
P111	18" RCP	S136	-2.65'	S122	-2.65'	41.48'
P112	19"x30" ELLIPTICAL RCP (24" EQV.)	S138	-1.75'	S140	-3.00'	48.13'
P113	15" RCP	S139	-2.40'	S429	-2.02'	29.68'
P113 (1)	24" RCP	S429	-3.25'	S140	-3.50'	14.12'
P114	24" RCP	S429	-3.25'	S141	-3.25'	228.11'
P118	18" RCP	S144	-3.00'	S150	-3.20'	210.20'
P120	18" RCP	S150	-3.00'	S148	-3.00'	197.51'
P121	18" RCP	S148	-3.05'	S141	-3.05'	31.65'
P122	18" RCP	S147	-5.49'	S148	-5.49'	30.15'
P123	18" RCP	S145	-0.81'	S150	-0.81'	32.48'
P124	19"x30" ELLIPTICAL RCP (24" EQV.)	S141	-2.75'	S408	-3.25'	38.77'
P124 (1)	24" RCP	S408	-3.50'	S407	-4.00'	305.50'
P125	24" RCP	S407	-4.00'	S402	-4.50'	173.21'
P126 (1)	24" RCP	S333	-3.50'	S322	-3.50'	244.54'
P127 (1)	24" RCP	S322	-1.50'	S155	-1.50'	246.37'
P129	24" RCP	S160	-3.81'	S155	-3.81'	33.52'
P139	15" RCP	S297	-2.58'	S317	-2.58'	10.43'
P140	15" RCP	S184	-2.25'	S183	-2.25'	30.20'
P141	15" RCP	S183	-2.25'	S180	-2.25'	85.87'
P143	18" RCP	S176	-2.75'	S156	-2.75'	60.12'
P144	18" RCP	S186	-0.96'	S176	-0.96'	10.23'
P147	18" RCP	S188	-2.25'	S156	-2.25'	18.78'
P148	18" RCP	S190	-0.75'	S189	-0.75'	12.33'
P150	18" RCP	S181	-0.71'	S182	-0.71'	12.94'

Name	Description	Start Structure	Start Invert Elevation	End Structure	End Invert Elevation	3D Length - Center to Center
P157	15" RCP	S197	-0.87'	S103	-0.87'	12.04'
P158	15" RCP	S198	-3.04'	S103	-3.04'	26.25'
P159	12"x18" ELLIP. RCP (15" EQV.)	S199	-2.87'	S89	-1.55'	26.38'
P161	24" RCP	S218	-3.62'	S217	-3.62'	389.89'
P163	36" RCP	S217	-5.10'	S215	-5.10'	176.48'
P164	36" RCP	S215	-4.75'	S422	-4.75'	77.24'
P164 (1)	36" RCP	S422	-4.75'	S211	-4.75'	11.19'
P165	36" RCP	S211	-5.00'	S212	-5.00'	21.83'
P166	36" RCP	S212	-4.20'	S214	-4.20'	122.58'
P167	36" RCP	S214	-4.05'	S213	-4.05'	146.95'
P168	29"x45" ELLIPTICAL RCP (36" EQV.)	S213	-2.77'	S209	-2.95'	70.76'
P170	36" RCP	S209	-4.00'	S208	-4.00'	250.79'
P171	36" RCP	S208	-2.58'	S206	-2.58'	24.71'
P172	36" RCP	S206	-2.83'	S207	-2.83'	25.48'
P173	36" RCP	S207	-4.25'	S205	-4.25'	146.75'
P174	36" RCP	S205	-4.80'	S393	-4.80'	209.42'
P176	15" RCP	S222	-2.00'	S221	-2.00'	34.79'
P177	18" RCP	S221	-2.30'	S223	-2.30'	28.88'
P178	15" RCP	S219	0.00'	S220	0.00'	31.72'
P179	15" RCP	S220	-0.75'	S223	-0.75'	13.54'
P180	18" RCP	S223	-2.53'	S224	-2.53'	276.00'
P181	18" RCP	S224	-2.55'	S225	-2.55'	29.46'
P182	18" RCP	S225	-3.78'	S218	-3.78'	45.56'
P183	18" RCP	S342	-1.68'	S341	-1.68'	60.08'
P183 (1)	18" RCP	S338	-2.28'	S337	-2.28'	78.62'
P183 (2)	18" RCP	S339	-1.98'	S338	-1.98'	232.28'
P183 (3)	18" RCP	S340	-1.68'	S339	-1.68'	55.97'
P183 (4)	18" RCP	S341	-1.41'	S340	-1.41'	240.25'
P184 (1)	18" RCP	S335	-2.46'	S334	-2.46'	237.55'
P184 (2)	18" RCP	S336	-3.33'	S335	-3.33'	63.25'
P184 (3)	18" RCP	S337	-2.43'	S336	-2.43'	229.06'
P185	24" RCP	S334	-3.75'	S218	-3.75'	21.18'
P186	18" RCP	S228	-1.92'	S496	-3.35'	230.13'
P187	24" RCP	S496	-3.85'	S211	-4.15'	299.70'
P188	18" RCP	S417	-2.57'	S230	-3.23'	132.79'
P190	18" RCP	S412	-2.80'	S228	-2.80'	24.14'
P192	12"x18" ELLIP. RCP (15" EQV.)	S232	-1.50'	S233	-2.35'	36.42'
P193	18" RCP	S233	-2.74'	S375	-2.74'	143.39'
P204	18" RCP	S242	-2.65'	S408	-2.65'	24.58'
P205 (2)	18" RCP	S401	-2.75'	S244	-2.75'	144.70'
P206	18" RCP	S244	-3.28'	S453	-3.28'	50.10'
P206 (1)	18" RCP	S453	-3.28'	S278	-3.28'	20.36'
P208	18" RCP	S278	-3.37'	S280	-3.37'	60.58'
P211	24" RCP	S254	-1.25'	S206	-3.25'	264.64'
P216	18" RCP	S249	-2.10'	S250	-2.10'	38.77'
P217	18" RCP	S248	-2.11'	S249	-2.11'	34.77'
P218	18" RCP	S256	-1.65'	S254	-1.65'	19.63'
P219	18" RCP	S255	-0.75'	S254	-0.75'	16.25'
P221	18" RCP	S250	-1.00'	S405	-1.00'	241.54'
P221 (2) (1)	18" RCP	S402	-1.50'	S255	-2.38'	43.68'
P244	18" RCP	S282	-4.31'	S283	-4.31'	32.90'
P245	15" RCP	S283	0.42'	S392	0.42'	8.43'
P246	18" RCP	S284	-6.33'	S285	-6.33'	31.82'
P248	18" RCP	S287	-3.49'	S288	-3.49'	57.71'
P249	14"x23" ELLIP. RCP (18" EQV.)	S288	-2.90'	S289	-3.00'	43.26'
P251	18" RCP	S292	-3.76'	S290	-3.76'	31.28'
P257	12"x18" ELLIPTICAL RCP (15" EQV.)	S415	-1.38'	S416	-1.74'	71.63'
P258	15" RCP	S296	-1.50'	S86	-1.50'	10.27'
P260	12"x18" ELLIPTICAL RCP (15" EQV.)	S418	-3.37'	S419	-1.01'	27.73'
P267	24" RCP	S95	-3.87'	S423	-3.74'	145.36'
P268	12"x18" ELLIP. RCP (15" EQV.)	S424	-1.83'	S423	-1.83'	24.15'
P269	18" RCP	S307	-1.61'	S95	-1.61'	10.08'
P271	24" RCP	S103	-3.85'	S95	-3.87'	323.91'
P272	15" RCP	S309	-1.75'	S85	-1.75'	22.13'
P273	66" (INSTALLED BY OPEN TRENCH)	S421	-6.68'	S77	-6.71'	228.13'
P274	66" RCP	S66	-4.20'	S315	-4.20'	295.19'
P276 (1)	24" RCP	S322	-1.34'	S323	-2.00'	26.64'
P277	36" RCP	S155	-3.83'	S377	-3.83'	25.71'
P289	12" CIP (EXIST.)	S285	0.38'		0.38'	113.11'
P290	15" RCP	S366	-2.00'	S111	-2.00'	17.91'
P292	12" RCP (EXIST.)	S217	-0.85'		-1.59'	34.02'
P293	12" RCP (EXIST.)	S218	0.19'		0.63'	50.04'
P294	12"x18" ELLIP CMP (EXIST.)	S335	0.52'		0.76'	22.54'
P295	10" CIP (EXIST.)	S336	0.33'		0.59'	22.33'
P295 (1)	12"x18" ELLIP CMP (EXIST.)	S337	0.32'		0.51'	53.98'
P295 (1) (1)	12"x18" ELLIP CMP (EXIST.)	S338	1.02'		0.85'	24.44'
P298	12"x18" ELLIP CMP (EXIST.)	S339	0.64'		0.46'	27.53'
P299	12"x18" ELLIP CMP (EXIST.)	S340	0.99'		0.70'	26.81'
P300	12"x18" ELLIP CMP (EXIST.)	S341	1.33'		1.02'	26.39'
P301	12"x18" ELLIP RCP (EXIST.)	S342	1.10'		0.68'	25.61'
P304	14"x23" ELLIP. RCP (EXIST.)	S178	-0.66'	S189	-0.66'	36.47'
P304 (1)	14"x23" ELLIP. RCP (EXIST.)	S189	-0.66'		0.41'	132.40'
P306	14"x23" ELLIP. RCP (EXIST.)	S186	0.04'	S464	0.52'	282.83'
P308	12"x18" ELLIP. RCP (EXIST.)	S180	0.09'		-0.75'	9.42'

DRAWN BY: XXXX
 DATE: 01/07/2019
 DESIGNED BY: XXXX
 SCALE: 1"=300'
 CHECKED BY: XXXX
 FIELD BOOK: XXXX

SUMMARY OF STORMWATER PIPES

CRAVEN - THOMPSON AND ASSOCIATES, INC. ENGINEERS & PLANNERS SURVEYORS



HAZEN AND SAWYER 4000 HOLLYWOOD BLVD, SUITE 750N HOLLYWOOD, FLORIDA 33021

Certificate of Authorization No: 2771

ENGINEER: J. GIBNEY PATRICK J. GIBNEY REG. NO. 49428 DATE: 01/22/2021

DRAWN BY: DATE: 01/07/2019 DESIGNED BY: SCALE: 1"=300' CHECKED BY: FIELD BOOK: XXXX

CITY OF FORT LAUDERDALE PUBLIC WORKS DEPARTMENT ENGINEERING & ARCHITECTURE

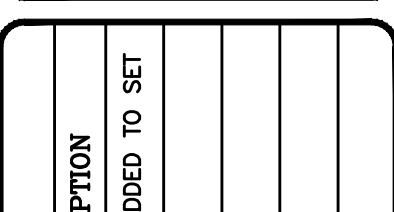


Table with columns: NO., DATE, BY, CH'D, DESCRIPTION, MR, ADS, ADD.#, SHEET ADDED TO SET

PROJECT # 11868 STORMWATER IMPROVEMENTS RIVER OAKS NEIGHBORHOOD SUMMARY OF STORMWATER PIPES

SHEET NO. CU-SP-02 TOTAL: 254 CAD FILE: 11868-CU-CV01 DRAWING FILE NO. 4-142-42

BID SET

Table with columns: Name, Description, Start Structure, Start Invert Elevation, End Structure, End Invert Elevation, 3D Length - Center to Center

Table with columns: Name, Description, Start Structure, Start Invert Elevation, End Structure, End Invert Elevation, 3D Length - Center to Center

Patrick J. Gibney, State of Florida, Professional Engineer, License No. 49428. This item has been electronically signed and sealed by Patrick J. Gibney on the date indicated here using an SHA authentication code. Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies. 4/6/2021