SITE DEVELOPMENT PLAN FOR **COLLIER COUNTY MARINE STATION** PART OF SECTION 8, TOWNSHIP 52 SOUTH, RANGE 26 EAST, COLLIER COUNTY, FLORIDA



VICINITY MAP

OWNER/DEVELOPER **COLLIER COUNTY FACILITIES MANAGEMENT**

EGAL DESCRIPTION PER ORB 1166, PAGE 583

.OT 1, BLOCK 781, OF A REPLAT OF A PORTION OF MARCO BEACH UNIT FOUR, ACCORDING TO THE PLAT THEREOF, AS RECORDED IN PLAT BOOK 12, PAGES THROUGH 21 INCLUSIVE. OF THE PUBLIC RECORDS OF COLLIER COUNT



MARCO ISLAND FIRE RESCUE

pursuant to FFPC 1: 1.14

Reviewed and approved for Fire Code Compliance

3335 TAMIAMI TRAIL EAST NAPLES, FL 34112 (239) 252-8380

CONSULTANTS:	
SURVEY	JOHNSON ENGINEERING
LIGHTING	ENERGY CONCEPTS
LANDSCAPE	PENINSULA ENGINEERING
TRAFFIC ENGINEER	TREBILCOCK CONSULTING SOLUTIONS
ARCHITECT	STUDIO +
DATUM NOTE: ALL INVERTS AND ELE (NORTH AMERICAN VE	EVATIONS ARE BASED ON NAVD 88 ERTICAL DATUM OF 1988).
	CONSULTANTS: SURVEY LIGHTING LANDSCAPE TRAFFIC ENGINEER ARCHITECT DATUM NOTE: ALL INVERTS AND ELE (NORTH AMERICAN VE

ed for code compliance
M Holden
7/2024 11:16:59 AM

Review

09/1



 CIVIL ENGINEERING PLANNING AND ZONING

• LANDSCAPE ARCHITECTURE SURVEYING

ENVIRONMENTAL SERVICES
 IAND DEVELOPMENT

2600 Golden Gate Pkwy **Naples, FL 34105**

239.403.670 Pen-Eng.con

COLLIER COUNTY MARINE STATION

PLAN TITLE

PROJECT:

PERMIT PLANS

COVER SHEET

SHEET TITLE:

SHEET INDEX: SHEET INDEX SHEET SHEET ID SHEET TITLE SHEET NO. REV 01 C-001 COVER SHEET 02 C-002 NOTE SHEET C-003 AERIAL IMAGE AND DEMOLITION PLAN 03 C-004 MASTER SITE PLAN 04 -111 MASTER PAVING AND DRAINAGE PLAN MASTER UTILITY PLAN C-113 FIRE DEPARTMENT PLAN A C-201 PLAN AND PROFILE 08 CROSS SECTIONS, DRAINAGE, AND PAVING DETAILS C-301 C-502 RTANK DETAILS C-511 STANDARD CITY OF MARCO GENERAL DETAILS C-521 STANDARD CITY OF MARCO WATER MAIN AND SANITARY SEWER DETAIL C-701 NPDES DISCHARGE CONTROL PLAN AND DETAILS

REVISIONS:		REVISIONS		
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Always call 811 two full business days before you dig to

-	DESIGN TEAM:	PROFESSIONAL SEALS:
_	PROJECT MANAGER: J. WOODWARD	PROFESSIONAL ENGINEER: J. WOODWARD
3	PROJECT ENGINEER: J. WOODWARD	FLORIDA LICENSE NUMBER: 84212
<u>\</u>	PROJECT DESIGNER: DAVID J. STIVERS	Digitally signed by Jenna A Woodward
-		A. WOOD Reason: This item has been digitally signed and sealed by
7	DRAWING BY: DAVID J. STIVERS	Jenna Woodward on the date
		\star 100. 04414 \star adjacent to the seal. Printed
-	PROJECT FILE INFORMATION:	STATE OF
)		sealed and the signature must be verified on any
-		SIONAL ENUME electronic copies.
5	FILE DATE: JULY 2024	-04'00' Date: 2024.09.11 11:17:48
5	FILE NAME: P-CCMS-001-001-001CV.dwg	Florida Engineering Certificate of Authorization #28275 Florida Landscape Certificate of Authorization #LC26000632
-	PROJECT NUMBER:	SET NUMBER: SHEET ID:
<u>1</u>		
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PROJECT INFORMATION:	
PL Number:	
FOLIO Number:	57140040009
DRI Name:	N/A
SFWMD ERP Number:	N/A
PUD Ordinances Number:	N/A
Zoning:	C-5 (DISTRICT 1 / ELCAM CIRCLE OVERLAY)
Zoning (North):	ROW / C-5
Zoning (South):	C-5
Zoning (East):	RSF-4
Zoning (Mest):	

_	1	2	1
	DEFINITIONS	GENERAL NOTES	UTILITY NOT
E	OWNER - COLLIER COUNTY FACILITIES MANAGEMENT PROJECT - COLLIER COUNTY MARINE STATION DEVELOPMENT SERVICES / BUILDING DEPARTMENT - CITY OF MARCO COUNTY - COLLIER COUNTY CITY - CITY OF MARCO UTILITY - CITY OF MARCO. DRY UTILITIES - LCEC, COMCAST, CENTURY LINK CONTRACTOR - GENERAL / PRIME CONTRACTOR UNDERGROUND CONTRACTOR - THE UNDERGROUND UTILITY CONTRACTOR AND ALL UTILITY SUBCONTRACTORS. - THE UNDERGROUND UTILITY CONTRACTORS PROVIDING MATERIALS AND SERVICES INCLUDING FILL, LIMEROCK, CURBING AND SIDEWALKS. ENGINEER - OWNER'S ENGINEER RESPONSIBLE FOR INSPECTION AND CERTIFICATION (PENINSULA ENGINEERING) SURVEYOR - OWNER'S SURVEYOR RESPONSIBLE FOR CONSTRUCTION STAKE-OUT AND VERIFICATION OF RECORD DRAWING INFORMATION. FIRE DISTRICT - MARCO ISLAND FIRE DISTRICT	 ALL INVERTS AND ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988). THE INFORMATION PROPOSED IN THIS PLAN IS BASED ON THE LATEST FIELD INFORMATION AND AVAILABLE RECORD DRAWING INFORMATION. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THIS INFORMATION PRIOR TO COMMENCEMENT OF CONSTRUCTION AND PROVIDE IN WRITING ANY DISCREPANCIES TO THE ENGINEER. THIS PLAN IS NOT INTENDED TO BE ALL INCLUSIVE OF EXISTING FACILITIES OR MATERIALS TO BE REMOVED. <u>CONTRACTOR</u> SHALL BE RESPONSIBLE FOR VERIFICATION OF EXISTING CONDITIONS WITH REGARDS TO SITE MODIFICATIONS NECESSARY TO ACCOMMODATE THE PROPOSED IMPROVEMENTS. ALL ITEMS TO BE REMOVED SHALL BECOME THE PROPERTY OF THE <u>CONTRACTOR</u> AND SHALL BE REMOVED AT THE EXPENSE OF THE <u>CONTRACTOR</u>, INCLUDING ALL DUMPING FEES, UNLESS OTHERWISE NOTED. ALL MATERIALS AND CONSTRUCTION METHODS USED FOR THE PROPOSED IMPROVEMENTS SHALL CONFORM TO THE APPROVED TECHNICAL SPECIFICATIONS, AND ALL FEDERAL, STATE AND LOCAL REGULATIONS. THE REVIEW AND APPROVAL OF THESE IMPROVEMENT PLANS DOES NOT AUTHORIZE THE CONSTRUCTION OF REQUIRED IMPROVEMENTS WHICH ARE INCONSISTENT WITH EXISTING EASEMENTS OF RECORD. ALL SOLID WASTE FOR THE <u>PROJECT</u> IS TO BE PICKED UP AND DISPOSED OF BY WASTE MANAGEMENT SERVICES. ALL POJECT SIGNS SHALL BE IN ACCORDANCE WITH THE P.U.D. (IF APPLICABLE) AND THE <u>DEVELOPMENT SERVICES / BUILDING DEPARTMENT</u> LAND DEVELOPMENT CODE. OWNER HAS THE DISCRETION OF USING CONCRETE PAVER BRICKS IN PLACE OF CONCRETE SIDEWALK. <u>PAVER BRICK FINAL LOCATIONS, THICKNESS, SIZE, COLOR, PATTERN, AND SPECIFICATIONS, CONCRETE PAVER BRICK SEALANT OR REPELLENT MAY BE USED AT <u>OWNER'S</u> DISCRETION. IF THERE ARE ANY DISCREPANCIES BETWEEN PLANS AND SPECIFICATIONS, STALL NO <u>BUS AND AND SPECIFICATIONS, CONCRETE PAVER BRICK FINAL LOCATIONS, AND SPECIFICATIONS, AND <u>DEVELOPMENT CODE</u>.</u></u> 	 ALL UTILITY CONSTR <u>UTILITY</u> AND FDEP. POTABLE WATER SYS THE <u>UTILITY</u>. ON-SITE WASTEWATE SUCCESSORS OR AS IRRIGATION DISTRIBL ASSIGNS. UTILITY MATERIALS, TECHNICAL STANDAF EXISTING UTILITIES A ELEVATIONS AND LOU FAMILIARIZE HIMSELF IN STRICT ACCORDAN CONTRACTOR SHALL STANDARDS OF THE THE <u>CONTRACTOR</u> SI <u>UTILITY</u> AND FIRE DIS A. COMMENCEI B. CHANGES TI C. GENERAL C.1. COMI C.2. TREN C.3. FINAL
	GENERAL PROCEDURES	 REPORT DISCREPANCY TO <u>ENGINEER</u>. ALL PVC STORM DRAIN PIPES SHALL BE COLOR WHITE SDR 26, OR APPROVED EQUAL, UNLESS OTHERWISE NOTED IN THE PLANS 	C.4. CONF C.5. WATE D. POTABLE AN D.1. CONF
-	 <u>CONTRACTOR</u> SHALL BE RESPONSIBLE IN COORDINATING WITH THE FOLLOWING RESPECTIVE UTILITY COMPANIES AND AGENCIES FOR COORDINATION OF SERVICES AND CONNECTIONS FOR THE PROJECT. ADDITIONALLY, THE <u>CONTRACTOR</u> SHALL NOTIFY THE APPROPRIATE AGENCY OR UTILITY COMPANY PRIOR TO COMMENCING WORK WITHIN ANY AGENCY OR UTILITY COMPANY'S DISTRICT. CITY OF MARCO: (239) 389-3931 MARCO ISLAND FIRE RESCUE: (239) 394-5405 A PRE-CONSTRUCTION MEETING IS TO BE HELD PRIOR TO DELIVERY OF MATERIALS AND INITIATION OF ANY WATER AND SEWER CONSTRUCTION. THE MEETING SHALL BE ATTENDED BY THE <u>UTILITY</u>, <u>DEVELOPMENT SERVICES / BUILDING DEPARTMENT</u>, THE <u>CONTRACTOR</u>, <u>PAVING CONTRACTOR</u>, <u>ENGINEER</u> AND OTHER INTERESTED PARTIES. TUPEE (0) OR MORE CODIES OF THE OTHER INTERESTED PARTIES. 	 THE LIGHTING POLES AND LUMINARIES SHOWN ON THESE DRAWINGS ARE FOR ILLUSTRATIVE PURPOSES ONLY AND SHOULD NOT BE USED FOR CONSTRUCTION. FINAL LIGHTING POLE LOCATION AND LUMINARY TYPE MAY VARY AND WILL BE COORDINATED WITH <u>OWNER'S</u> ELECTRICAL ENGINEER. POLE LOCATIONS SHOULD MAINTAIN A MINIMUM HORIZONTAL SEPARATION OF FIVE FEET FROM UNDERGROUND UTILITY MAINS. SIGN AND FLAG POLE PERMITS MUST BE APPLIED FOR SEPARATELY FROM THIS SDP, AND SHALL BE THE RESPONSIBILITY OF THE <u>CONTRACTOR</u>. ALL SIDEWALKS AND SIDEWALK CROSSINGS FOR ROADSIDE SIDEWALKS AND ACCESSIBLE ROUTES SHALL BE CONSTRUCTED IN ACCORDANCE WITH FDOT INDEX #304 AND #310, THE AMERICANS WITH DISABILITIES ACT (ADA), AND THE FLORIDA ACCESSIBILITY CODE AT CURBS, GUTTERS, SIDEWALKS, INTERSECTIONS, ETC. 	D.2. MAS1 D.3. PRES D.4. FLUS D.5. CHLU D.6. BACT D.7. JACK D.8. FIRE E. WASTEWATE E.1. CON E.2. PRES E.3. INFIL E.4. LIFT E.5. LIFT E.6. LAMF E.7. FLUS E.8. VIDE E.9. JACK
	 THREE (3) OR MORE COPIES OF THE CURRENT APPROVED PRODUCT LIST AND ALL NECESSARY SHOP DRAWINGS SHALL BE SUBMITTED FOR APPROVAL PRIOR TO SCHEDULING OF THE PRE-CONSTRUCTION MEETING. ALL MATERIALS SUPPLIED SHALL CONFORM TO PRODUCT LIST AND SHOP DRAWINGS AS APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION OURSTSTITE MATERIAL OCUPATION OF THE PRE-CONSTRUCTION 	OWNER RESPONSIBILITY NOTES	F. OTHERS AS G. OTHERS AS APPROVAL. 9. WATER MAINS SHALL
D	 THE <u>ENGINEER</u> PRIOR TO CONSTRUCTION. SUBSTITUTE MATERIALS SHALL NOT BE APPROVED AFTER DELIVERY TO THE JOB SITE. ALL REQUESTS FOR MATERIAL SUBSTITUTION SHALL BE APPROVED PRIOR TO DELIVERY OF THESE MATERIALS TO THE JOB SITE. ALL APPLICABLE PERMITS MUST BE OBTAINED PRIOR TO COMMENCEMENT OF CONSTRUCTION (FDEP, THE <u>COUNTY</u>, THE <u>CITY</u>, RIGHT-OF-WAY, BLASTING, DEWATERING, ETC.) SEQUENCE OF CONSTRUCTION - UNLESS OTHERWISE NOTED, SEQUENCE OF CONSTRUCTION SHALL BE SUCH THAT ALL UNDERGROUND UTILITIES SHALL BE INSTALLED PRIOR TO ROADWAY CONSTRUCTION. ALL <u>CONTRACTORS</u> SHALL MAINTAIN A CURRENT APPROVED SET OF CONSTRUCTION PLANS ON-SITE. THE <u>CONTRACTORS</u> SHALL BE RESPONSIBLE FOR OBTAINING LOCATIONS FOR ALL EXISTING PUBLIC AND PRIVATE UTILITY FACILITIES. 	 <u>OWNER</u>, ITS SUCCESSORS OR ASSIGNS, SHALL BE RESPONSIBLE FOR PERPETUAL MAINTENANCE OF ALL FEATURES OF THE SURFACE WATER MANAGEMENT SYSTEM AS OUTLINED BY THE DESIGN <u>ENGINEER</u> ON THESE DRAWINGS. THE PROPERTY <u>OWNER</u> IS RESPONSIBLE FOR THE REPLACEMENT OF ALL DEAD LANDSCAPE MATERIAL AND FOR THE MAINTENANCE OF THE REQUIRED IRRIGATION SYSTEM. <u>OWNER</u>, ITS SUCCESSORS OR ASSIGNS SHALL BE RESPONSIBLE FOR ANNUAL EXOTIC VEGETATION REMOVAL, AS DEFINED BY <u>THE DEVELOPMENT SERVICES</u> ORDINANCE UPON COMPLETION AND ACCEPTANCE OF WORK REQUIREMENT IN THIS CONTRACT. 	MAINS, AND FORCE M THE UTILITY AND FOR SHALL HAVE ONE FUL THAT THE WATER JOI SUCH CROSSINGS, TI THREE FEET FROM A' FORCE MAINS, OR PII 62-610, F.A.C., AND A' SEWERS, FORCE MAI OF CHAPTER 62-610, 11. HORIZONTAL AND VE MANUFACTURER'S SI
	9. THE LOCATIONS OF EXISTING UTILITIES SHOWN ON THE APPROVED PLANS ARE TO BE VERIFIED IN THE FIELD BY THE <u>CONTRACTORS</u> APPROVAL OF DEVELOPMENT PLANS BY THE <u>UTILITY</u> IN NO WAY IMPLIES VERIFICATION OF THE ACCURACY OF THOSE PLANS OR FEATURES DEPICTED THEREON. ANY DISCREPANCY IN OR VARIATION FROM THE APPROVED PLANS IS TO BE BROUGHT TO THE ATTENTION OF THE <u>UTILITY</u> BY THE <u>ENGINEER</u> AND <u>CONTRACTORS</u> .	CONTRACTOR RESPONSIBILITY NOTES	MANUFACTURER'S SI 12. COVER FOR MAINS S RESPONSIBILITY TO I 13. <u>CONTRACTOR</u> SHALL
-	 THE <u>CONTRACTORS</u> SHALL BE RESPONSIBLE AT ALL TIMES THROUGH THE DURATION OF CONSTRUCTION FOR THE PROTECTION OF EXISTING AND NEWLY INSTALLED UTILITIES FROM DAMAGE OR DISRUPTION OF SERVICE. THE <u>CONTRACTORS</u> SHALL BE RESPONSIBLE FOR TAKING SUCH MEASURES AS NECESSARY TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THOSE PERSONS HAVING ACCESS TO THE WORK SITE. THE <u>CONTRACTORS</u> SHALL SCHEDULE INSPECTIONS AND TESTS WITH THE <u>DEVELOPMENT SERVICES</u>, THE <u>CITY</u> AND THE <u>COUNTY</u>, AS REQUIRED, A MINIMUM OF 48 HOURS IN ADVANCE AND NOTIFY ENGINEER 48 HOURS IN ADVANCE. NO CONNECTION TO, OR ANY OTHER CONSTRUCTION SHALL BE PERFORMED ON AN EXISTING UTILITY MAIN OR STRUCTURE WITHOUT THE PRESENCE OF A <u>THE DEVELOPMENT SERVICES</u> UTILITY INSPECTOR. FACILITIES PROPOSED HEREIN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLANS, THE <u>UTILITY</u>, AND THE <u>DEVELOPMENT SERVICES / BUILDING DEPARTMENT</u> TECHNICAL STANDARDS AND SPECIFICATIONS. CONFLICTS BETWEEN THE PRECEDING DOCUMENTS SHOULD BE CALLED TO THE ATTENTION OF THE <u>UTILITY</u> FOR RESOLUTION. DEVIATIONS FROM THE APPROVED PLANS MUST BE APPROVED IN ADVANCE BY THE UTILITY 	 THE <u>CITY</u>, <u>COUNTY</u>, <u>UTILITY</u>, <u>DRY UTILITIES</u>, AND FDOT MAY HAVE EXISTING UTILITIES ADJACENT TO THIS PROPOSED CONSTRUCTION. <u>CONTRACTOR</u> SHALL CONTACT THE RESPECTIVE UTILITIES TO LOCATE THEIR FACILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION. <u>CONTRACTOR</u> SHALL VERIFY ALL DIMENSIONS AND ELEVATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. ANY DEVIATION IN PLAN INFORMATION SHALL BE REPORTED TO <u>ENGINEER</u> IMMEDIATELY. THE <u>CONTRACTOR</u> SHALL BE RESPONSIBLE FOR OBTAINING COPIES OF AND COMPLYING WITH ALL PERMITS OBTAINED BY THE <u>OWNER</u>. <u>CONTRACTOR</u> IS REQUIRED TO OBTAIN FROM THE <u>ENGINEER</u> WRITTEN APPROVAL FOR ANY DEVIATIONS FROM THE PLANS AND/OR SPECIFICATIONS. <u>CONTRACTOR</u> SHALL COMPLY WITH THE REQUIREMENTS OF THE <u>COUNTY</u> GROUNDWATER PROTECTION ORDINANCE 	ME IEN BOXES, BLOW GRADE. <u>CONTRACTOR</u> CONSTRUCTION OF S IS THE <u>CONTRACTOR</u> FINISHED GRADE. 14. PRIOR TO COMPACTI CONSTRUCTION SUC COMPLETED. COMPA 15. APPROVED FITTINGS IRRIGATION MAINS. DI CENTERLINE OF MAINS RECORD DRAWINGS 16. BEDDING FOR WATEF SUITABLE BACKFILL N
C ef FilestP-CCMS-001-001-002N1 dwol	 ANY DEVIATIONS FROM THE APPROVED PLANS MUST HAVE PRIOR WRITTEN APPROVAL FROM <u>OWNER</u>, <u>ENGINEER</u> AND APPROVING AGENCY. RECORD DRAWINGS - THE <u>SURVEYOR</u> SHALL PROVIDE A COMPLETE SET OF "AS-BUILT" INFORMATION RELATIVE TO LOCATION OF THE STORM INLETS AND SANITARY MANHOLES AS WELL AS INVERTS AND RIM ELEVATIONS, AND ANY OTHER CHANGES. UPON COMPLETION OF CONSTRUCTION, A FINAL INSPECTION SHALL VERIFY PROPER ADHERENCE TO ALL FACETS OF THE PLANS AND SPECIFICATIONS. GUARANTEE - ALL MATERIAL AND EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE <u>CONTRACTORS</u> UNDER THEIR CONTRACT SHALL BE GUARANTEED FOR A PERIOD OF AT LEAST ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE THEREOF, AGAINST DEFECTIVE MATERIALS, DESIGN AND WORKMANSHIP. UPON RECEIPT OF NOTICE FROM THE <u>OWNER</u> OF FAILURE OF ANY PART OF THE GUARANTEED EQUIPMENT OR MATERIALS, DURING THE GUARANTY PERIOD. THE AFFECTED PART, PARTS, OR MATERIALS SHALL BE REPLACED PROMPTLY WITH NEW PARTS OR MATERIALS BY THE <u>CONTRACTOR</u>, AT NO EXPENSE TO THE <u>OWNER</u>. IN THE EVENT THE <u>CONTRACTOR</u> FAILS TO MAKE THE NECESSARY REPLACEMENT OR REPARS WITHIN SEVEN DAYS AFTER NOTIFICATION BY THE <u>OWNER</u>. THE <u>OWNER</u> MAY 	 THE <u>CONTRACTOR</u> IS RESPONSIBLE FOR OBTAINING A COPY OF THE APPROVED DEWATERING PERMIT FROM SOUTH FLORIDA WATER MANAGEMENT DISTRICT AS REQUIRED. THE <u>CONTRACTOR</u> IS RESPONSIBLE FOR OBTAINING A BLASTING PERMIT, IF REQUIRED. THE <u>CONTRACTOR</u> IS RESPONSIBLE FOR OBTAINING A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) GENERAL PERMIT FROM THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY. ACCORDINGLY, THE <u>CONTRACTOR</u> IS ALSO RESPONSIBLE FOR CREATING, IMPLEMENTING AND MAINTAINING A STORM WATER POLLUTION PREVENTION PLAN AS PER THE REQUIREMENTS OF THE NPDES GENERAL PERMIT. <u>CONTRACTOR</u> SHALL BE RESPONSIBLE FOR MAINTAINING TRAFFIC AND USAGE OF THE EXISTING STREETS ADJACENT TO THE PROJECT. ALL TRAFFIC MAINTENANCE CONTROLS SHALL BE IN ACCORDANCE WITH FLORIDA MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES FOR STREET CONSTRUCTION, MAINTENANCE, AND UTILITY OPERATIONS. THE <u>CONTRACTOR</u> SHALL REPAIR AND REPLACE ALL AREAS DISTURBED BY CONSTRUCTION TO EXISTING CONDITIONS. 	TOP OF PIPE. 17. ALL VALVES MUST BE APPROVED CONSTRU 18. PER ASTM STANDARI TEST SHALL BE PERF INSIDE PIPE DIAMETE ALL GRAVITY SANITA 19. ALL 8" PVC GRAVITY SANITA 19. ALL 8" PVC GRAVITY SANITA 20. ALL PVC SEWER LATE MINIMUM SLOPE PER 21. ALL PVC PIPES 14" TO 22. ALL DUCTILE IRON PI
nns-Civil/C01-SDD/Activa/Shee	ACCOMPLISH THE WORK AT THE EXPENSE OF THE <u>CONTRACTOR</u> . 18. ANY WELLS DISCOVERED DURING EARTH MOVING OR EXCAVATION SHALL BE REPORTED TO THE OWNER AND ENGINEER WITHIN 24 HOURS AFTER DISCOVERY IS MADE. ZONING SUMMARY	11. THE <u>CONTRACTOR</u> SHALL PROVIDE 48 HOURS WRITTEN NOTICE TO THE <u>ENGINEER</u> , <u>OWNER</u> AND <u>COUNTY</u> PRIOR TO THE FOLLOWING: A. COMMENCEMENT. B. CHANGES TO APPROVED SCHEDULES, SUBCONTRACTORS, OR RESIDENT SUPERINTENDENT C. GENERAL C.1. COMPACTION C.2. TRENCH DENSITY C.3. ROADWAY STRINGLINE C.4. PAVING (INCLUDING SIDEWALK AND CURBING) C.5. PRELIMINARY AND FINAL INSPECTIONS D. OTHERS AS MAY BE REQUIRED BY <u>OWNER</u> , COUNTY AND <u>ENGINEER</u> .	 ALL WATER SERVICE 5' PAST THE EDGE OF MARKED AT GRADE, / ALL CONDUITS UNDE FORCE MAINS. POTABLE WATER MAI D-1785, LATEST REVIS ALL POLYETHYLENE I
UU 242361 [Drawinn Path P:\Active ProjectsIP-CCMS-001\001 MarcoMarine-Ph1\Drawi	CURRENT ZONING: C-5 (DISTRICT 1 / ELCAM CIRCLE OVERLAY) 1. ADJACENT ZONING: NORTH = ROW / C-5 SOUTH = C-5 EAST = RSF-4 WEST = C-5 PERMITTED USES: PRINCIPAL USES REFER TO CITY OF MARCO ISLAND CODE OF ORDINANCES, CHAPTER 30, ARTICLE II, DIVISION 11. ACCESSORY USES AND STRUCTURES REFER TO CITY OF MARCO ISLAND CODE OF ORDINANCES, CHAPTER 30, ARTICLE II, DIVISION 11.	 CONTRACTOR SHALL REFERENCE PLANS FOR ADDITIONAL SHOP DRAWINGS REQUESTS, PARTICULARLY FOR STRUCTURES REQUIRING SPECIAL DETAILS AND SPECIFICATIONS WHICH ARE TO BE PROVIDED BY A STRUCTURAL ENGINEER. THE <u>CONTRACTOR</u> SHALL RETAIN THE SERVICES OF A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO STAKE-OUT THE LOCATION OF ALL PROPOSED WATER, AND SEWER LINES AND INFRASTRUCTURE SHOWN ON THE DRAWINGS. THE <u>CONTRACTOR</u> SHALL DOTAIN A COPY OF THE FINAL UTILITY DRAWINGS, IN CAD FORMAT, FROM THE <u>ENGINEER</u> AND PROVIDE THAT DOCUMENTATION TO THE <u>SURVEYOR</u>. THE DIMENSIONAL INFORMATION OBTAINED FROM THE CAD DRAWINGS SHALL BE USED IN DEVELOPING THE STAKE-OUT PLAN FOR UTILITIES. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE <u>CONTRACTOR</u> SHALL INSTALL TEMPORARY CONSTRUCTION FENCING (SUCH AS SILT FENCE) BEYOND THE DRIPLINES OF RETAINED VEGETATION ALONG THE LIMITS OF CLEARING. THIS FENCE SHALL REMAIN ERECTED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION. ENTRY/SIGN FEATURES, SITE WALLS AND FLAG POLE LOCATIONS AND CONFIGURATIONS ARE APPROXIMATE AND ARE SUBJECT TO CHANGE. <u>CONTRACTOR</u> SHALL REFERENCE <u>LANDSCAPE</u> ARCHITECT'S OR ARCHITECT'S PLANS FOR ENTRY/SIGN FEATURES, SITE WALLS AND FLAG POLE MATERIALS AND DESIGN SPECIFICATIONS. IF THERE ARE ANY DISCREPANCIES BETWEEN LANDSCAPE ARCHITECT'S ON ARCHITECT NO AND <u>SPECIFICATIONS</u>. IF THERE ARE ANY DISCREPANCIES BETWEEN LANDSCAPE ARCHITECT'S ON AS SPECIFICATIONS. IF THERE ARE ANY DISCREPANCIES DETWEEN TO OBTAIN FROM <u>ENGINEER</u> WRITTEN APPROVAL FOR ANY DEVIATIONS. SHOWN ON THE STAMPED APPROVED SITE DEVELOPMENT PLANS. <u>CONTRACTOR</u> IS REQUIRED TO OBTAIN FROM <u>ENGINEER</u> WRITTEN APPROVAL FOR ANY DEVATIONS. SHOWN ON THE STAMPED APPROVED SITE DEVELOPMENT PLANS. <u>CONTRACTOR</u> SHALL APPLY SEPARATELY FOR THE APPROPRIATE BUILDING PERMITS, WHERE APPLICABLE, AS OUTLINED IN THE <u>COUNTY</u> BUILDING CODE AND LDC. <u>CONTRACTOR</u> SHALL REFERENCE ELECTRICAL ENGINEER'S PLANS FOR STREET/SITE LIGHTING FINAL LOCATIONS, COLOR, MATERIAL AND SPE	COMPLIANT. 27. ALL BACKFLOW PREV THE AWWA MANUAL I ALL WATER METERS 28. LOCATING DIMENSION DOWNSTREAM MANH LINE. 29. A TEMPORARY BACK COMBUSTIBLE MATER 30. ALL TEMPORARY BAC TESTING IS COMPLET 31. ALL WATER MAINS MI CONNECTIONS ARE M
dl [Original Size:		UNDERGROUND CONTRACTOR RESPONSIBILITY NOTES	LEGEND HAT
v: Jenna Woodward	WATER MANAGEMENT INFORMATION	 <u>UNDERGROUND CONTRACTOR</u> SHALL MINIMIZE THE WORK AREA AND WIDTH OF TRENCHES TO AVOID DISTURBANCES OF NATURAL VEGETATION. SPOIL FROM TRENCHES SHALL BE PLACED ONLY ON PREVIOUSLY CLEARED AREAS OR AS DIRECTED BY THE <u>OWNER</u>. <u>UNDERGROUND CONTRACTOR</u> SHALL NOT REMOVE AND/OR DISTURB ANY TREES AND/OR SHRUBS WITHOUT PRIOR APPROVAL BY <u>OWNER</u>. ALL UNDERGROUND UTILITIES AND INFRASTRUCTURE LOCATED BENEATH THE STABILIZED PORTION OF 	BR
M1 [Plotted E	WATER MANAGEMENT PERMIT: N/A	 THE RUAD BED SHALL BE INSTALLED PRIOR TO COMPACTION OF THE SUBGRADE OR AS OTHERWISE DIRECTED BY <u>OWNER</u>. <u>CAUTION</u>: STORM DRAINAGE PIPES MAY EXTEND INTO STABILIZED SUBGRADE AND/OR BASE. <u>PAVING CONTRACTOR</u> SHALL ADJUST STABILIZER MIXER TO PREVENT CONTACT AND DAMAGE TO PIPING. ALL CONDUITS UNDER PAVEMENT SHALL EXTEND 5' BEYOND THE BACK OF CURB AND/OR BACK OF 	BU
V Woodward I IPlot Date: 9/5/2024 10:54:19 A	 SITE DESIGN COORDINATION NOTES REFERENCE THE LANDSCAPE ARCHITECT'S DESIGN, PLANS, DETAILS, AND SPECIFICATIONS FOR: ALL SITE SPECIALTY HARDSCAPE AREAS IRRIGATION MAINS, SERVICES AND APPURTENANCES (LINES SHOWN IN THIS PLAN ARE SCHEMATIC, AS A PLACE HOLDER) SITE WALLS AND STAIRS FOUNTAINS, POOLS, OR OTHER WATER FEATURES PLANTER AREAS 	SIDEWALK AT EACH END AND SHALL BE A MINIMUM OF 18" UNDER WATER MAINS AND FORCE MAINS.	
save Date: 7/5/2024 8:25:24 AMI [Saved By: 1]	 REFERENCE THE MECHANICAL, ELECTRICAL AND PLUMBING (MEP) PLANS FOR DESIGN, DETAILS, AND SPECIFICATIONS FOR: A. CHILLED WATER LINES AND VAULTS/STRUCTURES B. TELECOMMUNICATIONS LINES (TELCOM) AND VAULTS/STRUCTURES C. ELECTRICAL AND EMERGENCY POWER LINES AND EQUIPMENT D. GREASE TRAPS NOTE: THESS LINES ARE SHOWN FOR CONSTRUCTION COORDINATION PURPOSES, AND SURVEY STAKE-OUT ONLY. CONTRACTOR SHALL VERIFY LAYOUT, SIZE, AND MATERIALS PRIOR TO COMMENCING CONSTRUCTION. 		EA Control Control Co
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	TY NOTES	ROADWAY AND PARKING LOT SIGNING AND MARKING
	ILITY CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE TECHNICAL STANDARDS OF THE (AND FDEP. LE WATER SYSTEM UP TO THE METER/BACKFLOW DEVICE SHALL BE OWNED AND MAINTAINED BY <i>ILITY</i> . E WASTEWATER COLLECTION SYSTEM SHALL BE OWNED AND MAINTAINED BY <u>OWNER</u> , ITS SSORS OR ASSIGNS. TION DISTRIBUTION SYSTEM SHALL BE OWNED AND MAINTAINED BY <u>OWNER</u> , ITS SUCCESSORS OR NS.	 ROADWAY SIGNAGE AND PAVEMENT MARKING SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND FDOT DESIGN STANDARDS. ALL STOP BARS, IN ROADWAYS AND PARKING LOTS, SHALL BE THERMOPLASTIC. IF PARKING LOT PAVEMENT OCCURS IN TWO LIFTS, FIRST LIFT MAY BE PAINTED AT OWNER'S DISCRETION. PARKING STALL STRIPING MAY BE PAINT, OR THERMOPLASTIC, AT <u>OWNER'S</u> DISCRETION.
	/ MATERIALS, COLORS, AND CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH THE ICAL STANDARDS OF THE <u>UTILITY</u> AND FDEP. NG UTILITIES ARE SHOWN IN APPROXIMATE LOCATION. THE <u>CONTRACTOR</u> SHALL FIELD VERIFY ALL TIONS AND LOCATIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION AND ARIZE HIMSELF WITH THE SITE AND THE CONTRACT DOCUMENTS. ALL WORK SHALL BE CONDUCTED CT ACCORDANCE WITH ALL PERMITS AND APPROVALS OBTAINED FOR THIS PROJECT.	FIRE PROTECTION NOTES
<text></text>	ACTOR SHALL MARK LOCATIONS OF ALL PRESSURE PIPES IN ACCORDANCE WITH THE TECHNICAL ARDS OF THE <u>UTILITY</u> . 20/1774/2007/2007/2007/2007/2007/2007/2007/2	 ALL BACKFLOW PREVENTER ASSEMBLIES/DEVICES SHALL BE IN ACCORDANCE WITH 62-555.360, F.A.C., AND THE AWWA MANUAL M-14, PRACTICE FOR BACKFLOW PREVENTION AND CORSS-CONNECTION CONTROL. ALL WATER METERS SHALL CONFORM TO AWWA C-700 OR NSF 61 STANDARDS. FIRE HYDRANTS SHALL BE IN ACCORDANCE WITH THE <u>UTILITY</u> STANDARDS OR NFPA REGULATIONS, LATEST REVISION, WHICHEVER IS MORE RESTRICTIVE, AND MEET THE APPROVAL OF THE LOCAL FIRE CONTROL DISTRICT, RAISED BLUE PAVEMENT REFLECTORS SHALL BE LOCATED AT THE CENTERLINE OF THE FINISHED TRAVEL LANE, PER THE <u>FIRE DISTRICT</u>, OPPOSITE EACH HYDRANT IN ACCORDANCE WITH FDOT SPECIFICATIONS. UNLESS OTHERWISE APPROVED, ALL FIRE HYDRANT CONNECTIONS, SERVICE CONNECTIONS TO THE CURB STOP AT THE METER, AND ALL JOINTS, CONFLICTS AND THRUST BLOCKS IN THE MAINS SHALL REMAIN UNCOVERED FOR VISUAL INSPECTION BY AN INSPECTOR FOR THE <u>UTILITY</u> OR <u>ENGINEER</u>. THE <u>CONTRACTOR</u> SHALL ONLY BACKFILL AFTER APPROVAL BY INSPECTION. IN ACCORDANCE WITH THE <u>FIRE DISTRICT</u>, DISTANCES BETWEEN INSTALLED FIRE HYDRANTS SHALL NOT EXCEED THOSE SHOWN IN THE APPROVED PLANS. FIRE HYDRANT SHALL BE MARKED IN A UNIFORM MANNER APPROVED BY THE <u>FIRE DISTRICT</u>. FIRE HYDRANT SHALL BE MARKED IN A UNIFORM MANNER APPROVED BY THE <u>FIRE DISTRICT</u>. FIRE HYDRANT SHALL BE MARKED IN A UNIFORM MANNER APPROVED BY THE <u>FIRE DISTRICT</u>. FIRE HYDRANTS SHALL NOT BE OBSTRUCTED VISUALLY OR FUNCTIONALLY BY VEGETATION. A CLEARING OF 3 FREET WHEN INSTALLED ALONG SUCH ACCESS WAYS. FIRE HYDRANTS SHALL BE INSTALLED IN A CCORDANCE WITH LATEST NFPA SECTION No. 1 REVISION STANDARDS AND THE <u>FIRE DISTRICT</u> LATEST HYDRANT SPECIFICATIONS AND INSTALLATION REQUIREMENTS. THE FIRE PROTECTION WATER SUPPLY, INCLUDING FIRE HYDRANTS, SHALL BE INSTALLED AND IN-SERVICE PRIOR TO PLACING COMBUSTIBLE BUILDING MATERIALS ON-SITE. <u>CONTRACTOR</u> MAY UTILIZE ALTERNATE METHODS (LE. TANKS WITH FIREPUMP), BUT SHALL OBTAIN APPROVAL FROM THE <u>FIRE DISTRI</u>
	ILTIY AND FDEP R MAINS CROSSING ANY TYPE OF SANITARY SEWER, INCLUDING FORCE MAIN, OR STORM SEWER HAVE ONE FULL LENGTH OF WATER MAIN CENTERED ABOVE OR BELOW THE OTHER PIPELINE SO HE WATER JOINTS WILL BE AS FAR AS POSSIBLE FROM THE OTHER PIPELINE. ALTERNATIVELY, AT CROSSINGS, THE PIPES SHALL BE ARRANGED SO THAT ALL WATER MAIN JOINTS ARE AT LEAST FEET FROM ALL JOINTS IN VACUUM-TYPE SANITARY SEWERS, STORM SEWERS, STORMWATER	CERTIFICATION / SUBSTANTIAL COMPLIANCE NOTES:
In the server and the structure with see interest plan for size, Location, Defails, & specifications, Evandards and specifications include nv, red, and other structure structure structure structure structure structure, and specifications.	S FORCE WARKS DE PERFECTION CONVEXING RECLARATES WATER NOT RECULATED UNDER NATT IN PTER 82-01, F.A.: WITAL AND VERTICAL DEFLECTION OF THE PRESSURE MAINS SHALL NOT EXCEED THE ACTURERS SECORCATIONS. BENDS SHALL BE USED WHERE OFFICIONS EXCEED THE ACTURERS SECORCATIONS. FOR MAINS SHALL BE MESSURED FROM FINISHED GRADES. IT IS THE <u>CONTRACTORS</u> SIBILITY TO INSURE MINIMUM CONRE. REGARDLESS OF EXISTING GRADE. ACTORS FINIL CONSTRUCT ALL WHER. IRREGATION AND SENRE APPURTEMMCES INCLUDING DOXES B. CONTRACTORS INCL. SECOND THE CONSTRUCTION STAKE-OUT AND PRINTS FOR. TO FINISHED <u>CONTRACTORS</u> RESPONSIBILITY TO INSURE CONSTRUCTION OF SAID APPURTEMMCES INCLUDING CONTRACTORS BURGARDE AND ROADWAY CONSTRUCTION ALL SUBSURFACE RECOMPACTION OF SUBGRADE AND ROADWAY CONSTRUCTION ALL SUBSURFACE TO COMPACTION OF SUBGRADE AND ROADWAY CONSTRUCTION ALL SUBSURFACE RECOMPACTION UNDER ALL REAS SHALL BE TO 98% DESITY. USED STOMMENTE TO COMPACTION OF SUBGRADE AND ROADWAY CONSTRUCTION ALL SUBSURFACE RECOMPACTION UNDER ALL REAS SHALL BE TO 98% DESITY. USED FINITIONS SHALL ED USED TO MAINTAIN PUAN ALGININENT OF POTABLE. FORCE AND TION MAINS. DEVIATION FORM PLAN ALGININET SHALL BE NOT KORE THAN 124° FROM FLAN RINE OF MAIN LAND SUPRYCEN. REGISTERED IN THE STATE OF FLORIDA, SHALL PREPARE D RAWINGS OF ALL FITTINGS AND DEFLECTIONS. INFORMINGS OF MAINTEN INFORMED AND ALGININET SHALL BE NOT CONTON FOR THAN 144° INFORMINGS OF ALL FITTINGS AND DEFLECTIONS. INFORMINGS OF MAINTEN INFORMED AND ALGINING TO POTABLE. FORCE. THAN 0000 INFORMINGS OF ALL FITTINGS AND DEFLECTIONS. INFORMINGS OF MAINTEN INFORMED AND ALGINING AND ALGINING COMPACTED LAYERS TO 12° ABOVE THE INFORMATION HOUSED ON THE AND ALGINING THE SAVE ALL DEFLECTION OF 5%. A DEFLECTION HINTING SUBCENTION HOUSED AND ALGINING AND ALGINING AND ALGINING AND ALGINING AND ALGINING INFORMANTING AND DEFLECTIONS. INFORMENTION THE SAVE ALL DEFLECTION	<text><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item><list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></list-item></text>
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POC BUILDING CONTRACTOR'S POINT OF CONNECTION. SE REFERENCE STRUCTURAL ENGINEER'S PLAN FOR SIZE, LOCATION, DETAILS, & SPECIFICATIONS. 3 1	BRICK PAVERS ITTORAL ZONE BUILDING ITTORAL ZONE EXISTING BUILDING ITTORAL ZONE COMPACTED LIMEROCK ITTORAL ZONE CONCRETE ITTORAL ZONE ITTORAL ZONE ITTORAL ZONE	EXISTING LIGHT POLE SANITARY SEWER MANHOLE / STORM SEWER ANITARY SEWER MANHOLE / STORM SEWER JUNCTION BOX Image: Construct of the service of the servic
	3	BUILDING CONTRACTOR'S POINT OF CONNECTION. SE REFERENCE STRUCTURAL ENGINEER'S PLAN FOR SIZE, LOCATION, DETAILS, & SPECIFICATIONS 4

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PROFESSIONAL SEALS: PROFESSIONAL ENGINEER:	J. WOODWAR	D
FLORIDA LICENSE NUMBER:	<u></u>	<u>12</u>
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Bar Scale: 1" = 30' 0 7.5' 15' 30'	60'	90'
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Drawn by:	DAVID J. STIVER	<u>S</u>
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Sheet Number:	02 of 13	 }



CLEARING NOTES

- . REFERENCE COLLIER COUNTY LAND DEVELOPMENT CODE FOR NATIVE VEGETATION REQUIREMENTS. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE APPLICANT SHALL INSTALL TEMPORARY CONSTRUCTION FENCING (ENVIROPENCE) BEYOND THE DRIPLINES OF RETAINED VEGETATION ALONG THE LIMITS OF CLEARING. THIS FENCE SHALL REMAIN ERECTED AND MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION.
- CONTRACTOR SHALL EMPLOY METHODS IN ACCORDANCE WITH "BEST MANAGEMENT PRACTICES" AND REFERENCE NDPES DISCHARGE CONTROL PLAN AND DETAILS TO PREVENT EROSION.
- ALL PROHIBITED EXOTIC VEGETATION (CATEGORY I AND II EXOTICS AS DEFINED BY THE FLORIDA EXOTIC PEST PLANT COUNCIL (FEPPC)) SHALL BE REMOVED FROM THE SITE AND ALL NATIVE PRESERVATION AREAS SHALL BE MAINTAINED FREE OF PROHIBITED EXOTICS IN PERPETUITY. (LDC 3.05.08)
- WHERE HEAVY CONSTRUCTION ACTIVITIES ARE ADJACENT TO EXISTING NATIVE VEGETATION TO BE RETAINED, THE LIMITS OF CLEARING WILL BE CLEARLY MARKED AND BARRICADED PRIOR TO COMMENCEMENT OF CONSTRUCTION AND SHALL REMAIN IN PLACE UNTIL COMPLETION OF CONSTRUCTION.
- 6. STANDARD STRUCTURAL BUFFERS WILL BE PLACED ADJACENT TO AII REMAINING CONSERVATION AREAS WHERE A 15' WIDE VEGETATED BUFFER BETWEEN THE WETLAND JURISDICTION LINE AND ADJACENT DEVELOPMENT CANNOT BE MAINTAINED. THE "STANDARD STRUCTURAL BUFFER" WILL BE A HEDGE OF NATIVE VEGETATION, A FENCE, A SMALL WALL (OR BULKHEAD) OR A COMBINATION OF THESE. A HEDGE OF NATIVE VEGETATION (SHRUBS) WILL TYPICALLY BE UTILIZED. IF A FENCE OR WALL IS USED, IT WILL BE CONSTRUCTED ALONG THE CONSERVATION AREA BOUNDARY BUT WILL NOT INTRUDE INTO THE CONSERVATION AREA. IF A HEDGE IS USED, PLANTS WILL BE INSTALLED IN A ZONE BEGINNING AT THE CONSERVATION AREA BOUNDARY AND EXTENDING INTO THE CONSERVATION AREA NOT MORE THAN 3 FEET.

LEGEND



AREA TO BE RAZED TO GROUND LEVEL UNLESS OTHERWISE NOTED WITHIN PLAN

RIGHT-OF-WAY SIDEWALK REMOVAL (±520 SF) RIGHT-OF-WAY ASPHALT DRIVE REMOVAL (FULL

DEPTH AND RESTORATION AT EXISTING EDGE OF PAVEMENT)

RIGHT-OF-WAY ASPHALT RESTORATION (UTILITY INSTALL IMPACTS)

PENG CIVIL ENGINEERING CUIL	A Contraction of the services
C C M S	OLLIER OUNTY IARINE TATION
TITLE: AERIA DEMC	AL IMAGE AND DLITION PLAN
CLIENT: COL FACILITI	LIER COUNTY ES MANAGEMENT
No: Revision: 1 REVISED PER C DATED AUGUST	Date: ITY OF MARCO ISLAND COMMENTS, 09/05/24 22, 2024
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Florida Engineering Certific Florida Landscape Certific DATUM NOTE: ALL ELEVATIONS / (NORTH AMERICA)	ate of Authorization #28275 ate of Authorization #LC26000632 ARE BASED ON NAVD 88 N VERTICAL DATUM OF 1988).
Bar Scale: 1" = 20' 0 5' 10' SEC: 8 City: MARCO ISI Designed by: Drawn by: Date: Horizontal Scale: Vertical Scale:	20' 40' 60' TWP:52 RGE: 26 _AND County: COLLIER J. WOODWARD DAVID J. STIVERS JULY 2024 1" = 20' N.T.S.
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D C CONSTRUCTION AND Saved BV: |Woodward] [Plot Date 9/5/2024 10:55:06 AM] [Plotted BV: |Anna Woodward] [Oritinal Size: 24:36] [Drawing Path: P:/Active Projects/P-CCMS-001/001 MarcoMarine-Pi/IDrawings-Civil/C01-SDPIActive/Sheet Files/P-CCMS-001/11/6P dwg]





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		FIRE TRUCK INFORMATION	
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	K@	12.78 21.27 4	2600 Golden Gate Pkwy239.403.6700Naples, FL 34105Pen-Eng.com
		PIERCE QUANTUM AERIAL 105'	PROJECT:
	(Part)	Overall Length42.500ftOverall Width6.920ftOverall Body Height7.849ft	
KEX WESSIVERIJE FRE HYDRANT FLOW TEST FRE HYDRANT FLOW TEST PRE HYDRANT FLOW TEST		Min Body Ground Clearance 1.099ft Track Width 6.910ft	
		Max Wheel Angle 40.00°	COLLIER
	511	FIRE HYDRANT FLOW TEST	COUNTY
			MARINE
			STATION
		Department of Fire Provention	
		(239)394-5405	
		Company/Firm Requesting Test:Paningula Environming	TITLE:
	No.	Project Name: <u>Collier County Marine Station</u>	
		Date Requested:O6/20/2024	FIRE DEPARTMENT
	and the set	Amount Due and Payable to The Marco Island Fire Department \$ <u>113</u> * *Note: Charges for flow testing will be \$77.00 for the first hydrant and \$ 36.00 for each additional hydrant tested at the same date and time as the first hydrant.	△ PLAN
	/	Remit payment with invoice # to the link below:	
	20/1	https://marcoislandfl.munisselfservice.com/citizens/GeneralBilling/Default.aspx	CLIENT:
COLLIER COUNTY FACILITIES MANAGEME Prove # 2079		Date Tested: <u>62024</u> Location:	
		Time of Test:9.15Pitot: 26×2 Static: 81 Residual: 72	COLLIER COUNTY
		Flow: <u>1711 gpm</u> Flow @ 20psi: <u>4809 gpm</u>	FACILITIES MANAGEMENT
		1280 San Marco Road, Marco Island, FL 34145	REVISIONS:
			INO: REVISIOn: Date: 1 REVISED PER CITY OF MARCO ISLAND COMMENTS, DATED AUGUST 22, 2024 09/05/24
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Drawn by: DAVID J. S Date: JUL Horizontal Scale:	11144		City: MARCO ISLAND County: COLLIER Designed by: J. WOODWARD
Date: JUL Horizontal Scale:			Drawn by: DAVID J. STIVERS
			Date:JULY 2024Horizontal Scale:1" = 20"
Vertical Scale: Project Number: P-CCM			Vertical Scale: N.T.S. Project Number: P-CCMS-001
File Name: P-CCMS-001-001-113F			File Name: P-CCMS-001-001-113FD.dwg
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Project Number: P-CCIVIS-001 File Name: P-CCMS-001-001-201ST.dwg Sheet ID: C-201 Sheet Number: 08 of 13			Florida Engineering Certificate of Authorization #28275 Florida Landscape Certificate of Authorization #LC26000632 DATUM NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988). Bar Scale: 1" = 20' 0 5' 0 5' 10' 20' 40' 60' SEC: 8 TWP: 52 City: MARCO ISLAND County: County: COLLIER Designed by: J. WOODWARD Drawn by: DAVID J. STIVERS Date: JULY 2024 Horizontal Scale: 1" = 20' Vertical Scale: N.T.S.
U U	Ι	6	File Name: P-CCMS-001-001-201ST.dwg Sheet ID: C-201 Sheet Number: 08 of 13













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LOCATOR BALL		
		• PLANNING AND ZONING • SURVEYING • ENVIRONMENTAL SERVICES • LAND DEVELOPMENT
LOCATOR BALL		2600 Golden Gate Pkwy 239.403.6700
		PROJECT
ROADWAY SURFACE		
LLIC LOCATOR TAPE (WAX.)		GOLLIER
RATE STRIPS)		COUNTY
OVED PRODUCT LIST, BLUE FOR WATER, GREEN		MARINE
ACED NO MORE THEN 2'-O" FROM OUTSIDE		
ONS AND FITTINGS ABSENT OF ANY VALVE. ON DCATION OF PRESSURE MAIN LOCATOR BALLS.		STATION
CH. R MAINS. LOCATOR BALLS ARE NOT REQUIRED R LATERALS. SMART PLUGS WITH LOCATOR		
& BORE AND HORIZONTAL DIRECTIONAL DRILL OUTSIDE OF PAVEMENT AND AT ALL CHANGES		
		TITLE:
OR PRESSURE MAINS		
		STANDARD CITY OF
MARCO ISLAND UTILITIES 960 North Collier Blvd.		
MARCO ISLAND, FL 34145 DWG #: CB-19.DWG		DETAILS
SIZE OF VALVE VALVE TYPE		
TO OPEN. VALVE MFG & YEAR INST. SYSTEM "WATER" "SEWER" "GIPE" OR "PELIES"		CLIENT:
BRASS PLATE (MIN. 3" DIA.)		
		COLLIER COUNTY
18"		
		REVISIONS:
ARE TO BE TYLER PIPE LOCKLID		
AVED AREAS		
-FINISHED		
BOX WITH DR 18 PVC PIPE EXTENSION IF NEEDED (C-900 DR 14 PVC PIPE IN PAVED AREAS), VALVE BOX OR PIPE SHALL NOT BEAP ON VALVE		
OR PRESSURE MAIN, SEE APPROVED PRODUCT LIST. PRESSURE MAIN		
RIBUTION JENT SEAT C-515		NOTES:
MARCO ISLAND SCALE: NOT TO SCALE UTILITIES DATE: MAY 2023		
950 North Collier Blvd. MARCO ISLAND, FL 34145 DWG #: CB-21.DWG		
UV RESISTANT PLASTIC SLEEVE, SAFETY YELLOW IN COLOR.		PROFESSIONAL SEALS:
		PROFESSIONAL ENGINEER: J. WOODWARD FLORIDA LICENSE NUMBER: 84212
* -		
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I		Florida Engineering Certificate of Authorization #28275
POST E		Fiorida Landscape Certificate of Authorization #LC26000632 DATUM NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88
		(NORTH AMERICAN VERTICAL DATUM OF 1988).
		SEC.0 TWP: 52 RGE: 26 City: MARCO ISLAND County: COLLIER
		Designed by: J. WOODWARD
MARCO ISLAND SCALE: NOT TO SCALE UTILITIES		David J. STIVERS
960 North Collier Blvd. DATE: MAY 2023 MARCO ISLAND, FL 34145 DWG #: CB-22.DWG		Horizontal Scale: N.T.S.
		verucar scale: N.I.S. Project Number: P-CCMS-001
		File Name: P-CCMS-001-001-511DT.dwg
		Sheet ID: C-511
		Sheet Number: 11 of 13





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COLLIER COUNTY MARINE STATION
TITLE: STANDARD CITY OF MARCO WATER MAIN AND SANITARY SEWER DETAILS
COLLIER COUNTY FACILITIES MANAGEMENT
REVISIONS: No: Revision: Date:
NOTES:
PROFESSIONAL SEALS: PROFESSIONAL ENGINEER: J. WOODWARD FLORIDA LICENSE NUMBER: 84212
Florida Engineering Certificate of Authorization #28275 Florida Landscape Certificate of Authorization #LC26000632 DATUM NOTE: ALL ELEVATIONS ARE BASED ON NAVD 88 (NORTH AMERICAN VERTICAL DATUM OF 1988).
SEC: 8 TWP: 52 RGE: 26 City: MARCO ISLAND County: COLLIER Designed by: J. WOODWARD Drawn by: DAVID J. STIVERS Date: JULY 2024
Horizontal Scale: N.T.S. Vertical Scale: N.T.S. Project Number: P-CCMS-001 File Name: P.CCMS 001 001 50110101 discussion
Sheet ID: C-521 Sheet Number: 12
Sheet Number: 12 of 13

