SUMMARY OF PAY ITEMS				
ITEM	PAY ITEM DESCRIPTION	UNIT	QTY	
1	Mobilization/Demobilization/TTCP/Project Sign	LS	1	
2	Clearing and Grubbing (Demolition of existing unwanted weir components)		1	
3	Temporary Erosion Control (±400 LF Silt Fence & ±300 LF of Floating Turbidity Barrier)		1	
4	Dewatering (Including Temporary Dam for Dewatering)		1	
5	Earthwork (Approx. 320 CY Excavation & 25 CY Embankment) (Including testing of excavated soils for contaminants)		1	
6	Prestressed Concrete Piles - 14" (Two at 50 LF Each)		100	
7	Concrete Cap and Gate Support Structure (25.52 CY of Concrete) (Including 4,571 LBS Reinforcing Steel and Cap Seal)		1	
8	Metallization of Existing Structure (1,440 SF of sheet piling and 20 LF of 36" wide catwalk & railings)		1	
9	Retaining Wall (39.2 CY of Concrete) (Including 3,611 LBS Reinforcing Steel)		1	
10	Aluminum Slide Gates and Electric Operators (96" x 96" Bottom-Up Aluminum Slide Gate w/ Electric Actuator)		2	
11	Electrical Modifications (Including SCADA Modification)		1	
12	Aluminum Grate Catwalk with Handrail - 36" Wide (Ladder, Handrails, Grating, Anchors, Supports, & C6x4.50 Channels)		26.5	
13	Rip-Rap w/Filter Fabric (2.5' Bank & Shore with Filter Fabric)		270	
14	Concrete Slope Pvmt. (8") with Drain Backflow Preventor Devices (Including 29 Drains, Weepholes, Footer, & Reinforcing Steel)		317	
15	Restoration Sodding		1200	
16	Survey (Layout and As-built)	LS	1	
	Alternate (Owner's Option)			
17	Coating of Existing Sheet Piling and Catwalk (in lieu of Metalization) (Tnemec Series 90-98 Primer & Epoxy Overcoat, or equivalent)	LS	1	

ENGINEERING ABBREVIATIONS

LEGEND APP. EQ. = APPROVED EQUIVALENT CONT. = CONTINUOUS = CUBIC YARD CY DIA. = DIAMETER FΑ = FACH EQ. SP = EQUIVALENT SPACING EXIST = EXITING GALV = GALVANIZED HORIZ. = HORIZONTAL INV. = INVERT = LINEAR FOOT LS = LUMP SUM MAXI = MAXIMUM LENGTH NOM = NOMINAL N.T.S. = NOT TO SCALE O.C. = ON CENTER PAVT. = PAVEMENT PROP = PROPOSED S.S. = STAINLESS STEEL SY = SQUARE YARDS

= TYPICAL

= WITH

= VERTICAL

TYP.

W/

VERT

GENERAL NOTES:

- ALL ELEVATIONS REFER TO NORTH AMERICAN VERTICAL DATUM (NAVD 88). CONVERSION TO NGVD 29 = NAVD + 0.840 FT
- COMPENSATION FOR THE WORK AS SHOWN ON THE PLANS SHALL BE AT THE UNIT PRICE INCLUDED IN THE BID SCHEDULE. NO SEPARATE PAYMENT WILL BE MADE FOR TASKS (NOT ALL INCLUSIVE) INCLUDING SUCH ITEMS AS FIELD OFFICE, SANITARY FACILITIES, ROCK EXCAVATION, DEWATERING, MATERIAL DELIVERY AND STORAGE, TEMPORARY POWER, ETC. NECESSARY FOR THE COMPLETE EXECUTION OF THE WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING UTILITIES AND FOR ANY DAMAGE WHICH MAY OCCUR BY FAILING TO PRESERVE THEM
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED FEDERAL, STATE, COUNTY AND/OR LOCAL CONSTRUCTION PERMITS/APPROVALS PRIOR TO STARTING ANY CONSTRUCTION ACTIVITIES. (INCLUDING A DEWATERING PERMIT
- THE CONTRACTOR SHALL NOTIFY ALL REQUIRED UTILITIES AND GOVERNMENT AGENCIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION. (48 HOURS BEFORE DIGGING CALL TOLL FREE 1-800-432-4770 SUNSHINE 811)
- ALL QUANTITIES SHOWN HEREIN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ALL QUANTITIES SHOWN ON THE PLANS AND PROMPTLY NOTIFY THE ENGINEER OF ANY DISCREPANCIES FOUND IN THE QUANTITIES.
- THE INFORMATION PROVIDED IN THESE PLANS ARE SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL PROSPECTIVE CONTRACTORS ARE ENCOURAGED, PRIOR TO BIDDING, TO CONDUCT ANY SITE INVESTIGATIONS THEY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT MAY BE ENCOUNTERED, AND UPON WHICH THEIR BIDS
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC IN ACCORDANCE WITH LOCAL, COUNTY AND STATE REQUIREMENTS.
- TRENCH EXCAVATIONS IN EXCESS OF FIVE FEET (5') DEEP SHALL COMPLY WITH ALL APPLICABLE TRENCH SAFETY STANDARDS SET FORTH IN THE STATE OF FLORIDA "TRENCH SAFETY ACT" BILL #PCS/HB 3183 AND SB 2626, ALONG WITH OSHA STANDARDS **DEFINED IN 29 CFR 1926.650 PART "P"**
- CONTRACTOR SHALL SOD ALL DISTURBED AREAS OUTSIDE OF TOP OF BANK SLOPE. CONTRACTOR ALSO SHALL SOD ALL DISTURBED CANAL AREAS FROM TOP OF BANK TO ONE FOOT BELOW THE CANAL WATER CONTROL ELEVATION, OR THE WATER ELEVATION AT THE TIME OF SOD INSTALLATION (BOTTOM ROW OR SOD SHALL BE STAKED TO PREVENT MOVEMENT AS THE
- 11. THE CONTRACTOR SHALL SECURE ANY ADDITIONAL TEMPORARY CONSTRUCTION EASEMENTS NECESSARY FOR CONSTRUCTION AND WILL BE RESPONSIBLE FOR RESTORATION OF ANY DISTURBED AREAS.
- ALL BACKFILLING SHALL BE IN LIFTS OF NOT MORE THAN 18" LOOSE MATERIAL AND COMPACTED TO 100% OF AASHTO T-99, METHOD "C". CONTRACTOR SHALL PROVIDE DENSITY REPORTS FOR ALL AREAS BACKFILLED (COPIES TO ENGINEER AND OWNER) AND SHALL BEAR ALL COSTS ASSOCIATED WITH TESTING AND/OR ANY RETESTING OF ANY AREAS THAT DO NOT MEET THE ABOVE
- THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION PLANS AND ALL PERMITS ON THE JOB SITE DURING ALL PHASES OF THE WORK. TWO (2) COMPLETE SETS OF "AS-BUILT" DRAWINGS MUST BE DELIVERED TO THE ENGINEER OF RECORD WITHIN FIFTEEN (15) DAYS OF COMPLETING CONSTRUCTION ALONG WITH ELECTRONIC FILES IN AUTOCAD FORMAT. CONTRACTOR SHALL OBTAIN THE SERVICES OF A FLORIDA PROFESSIONAL SURVEYOR AND MAPPER TO PERFORM "AS-BUILT" VERIFICATION OF ANY CRITICAL ELEVATIONS ASSOCIATED WITH ANY STRUCTURES AND/OR CULVERTS BUILT AS PART OF THIS PROJECT.
- CONSTRUCTION DEWATERING FOR THE PROJECT HAS NOT BEEN APPROVED. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING A WATER USE DEWATERING PERMIT FROM THE WATER MANAGEMENT DISTRICT AND/OR COMPLYING WITH CONSTRUCTION DEWATERING NO-NOTICE REQUIREMENTS.

CONCRETE SLOPE PAVEMENT NOTES:

- TYPE OF SLOPE PAVEMENT SHALL BE AS SHOWN ON PLANS.
- IN CONCRETE DITCH PAVEMENT, CONTRACTION JOINTS ARE TO BE SPACED AT 25' MAXIMUM INTERVALS, OR AS DIRECTED BY THE ENGINEER. CONTRACTION JOINTS MAY BE EITHER FORMED (CONSTRUCTION JOINT) OR TOOLED. NO OPEN JOINTS WILL BE

EXPANSION JOINTS WITH $\frac{1}{2}$ " PREFORMED JOINT FILLER SHALL BE CONSTRUCTED AT ALL INLETS, ENDWALLS, VERTICAL STRUCTURES AND AT INTERVALS OF NOT MORE THAN 200'.

- TOEWALLS ARE TO BE USED WITH ALL DITCH PAVING. A TOEWALL IS NOT REQUIRED ADJACENT TO DRAINAGE STRUCTURES.
- WHEN WEEP HOLES WITH AGGREGATE ARE USED, PLACE FILTER FABRIC BELOW THE AGGREGATE TO FORM A MAT CONTINUES WITH THE PAVEMENT FILTER FABRIC OR UNDERLAPPING THE PAVEMENT FILTER FABRIC, IF PRESENT.
- COST OF FILTER FABRIC TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE SLOPE PAVEMENT.

SURVEY ABBREVIATIONS

LEGEND = CONCRETE MONUMENT CM = CONCRETE CONC

= PER DEED DE = DRAINAGE EASEMENT = EAST OR EASTING

ELEV. / EL = ELEVATION = ENGINEERING **ENG**

FCM = FOUND CONCRETE MONUMENT = FOUND IRON PIPE FIP

FIR = FOUND IRON ROD FIRC = FOUND IRON ROD AND CAP FMAGD = FOUND MAGNETIC NAIL & DISK = FOUND PARKER-KALON NAIL & DISK **FPKD**

ID. = IDENTIFICATION INC. = INCORPORATED INST = INSTRUMENT NUMBER = LICENSED BUSINESS LB

= LIMITED LIABILITY CORPORATION LLC

= NORTH OR NORTHING NAVD 88 = NORTH AMERICAN VERTICAL DATUM OF 1988 NO. OR # = NUMBER

= OFFICIAL RECORD BOOK

P.B. = PLAT BOOK = PAGE PG P.U.E

= PUBLIC UTILITY EASEMENT R/W = RIGHT OF WAY

= SET 5/8" IRON ROD W/ CAP "AIM ENG LB 3114" SIRC SMAGD = SET MAG NAIL & DISK

TOB = TOP OF BANK W/ = WITH

= PRESENT WATER ELEV. @ STAFF GAUGE W. SCHA W. SCHROOM No. 78646 STAIL ORIDAGINA

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ON THE DATE ADJACENT TO THE SEAL PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

= SHARED UTILITY POLE

= OVERHEAD UTILITY LINE

= BURIED FIBER OPTIC LINE

= SINGLE SUPPORT SIGN

= HARD SURFACE ELEV

= OAK TREE, UNLESS OTHERWISE NOTED

= GUY ANCHOR

= GROUND ELEV

AIM ENGINEERING & SURVEYING, INC. 2161 FOWLER ST., STE. 100 FORT MYERS, FL. 33901 CERTIFICATE OF AUTHORIZATION NO.: 3114 DANIEL W. SCHROEDER, P.E. NO. 78646

THIS ITEM HAS BEEN DIGITALLY

SIGNED AND SEALED BY:

10-05-2021 REMOVAL OF PAY ITEM NO. 18 DATE DESCRIPTION

AIM Engineering & Surveying, Inc. VIL ENGINEERING * LAND SURVEYING * S.U.E. * TRANSPORTATION * UTILITIE:

* PROJECT MANAGEMENT * CONSTRUCTION ENGINEERING & MANAGEMENT 2161 FOWLER ST. STE. 100 FORT MYERS, FL 33901 * PHONE: 239-332-4569 EMAIL: ENGINEERING@AIMENGR.COM * CERTIFICATE OF AUTHORIZATION No. 3114

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

2379 BROAD ST. BROOKSVILLE, FL. 34604-6899 PHONE: (352) 796-7211

MARCH 2019		
DRAWN BY:		
BK	DANIEL W. SCHROEDER	
CHECKED BY:	PROFESSIONAL ENGINE	
DS	P.E. No. 78646	

TSALA APOPKA **GOLF COURSE STRUCTURE MODIFICATION**

GENERAL NOTES

18-0790

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