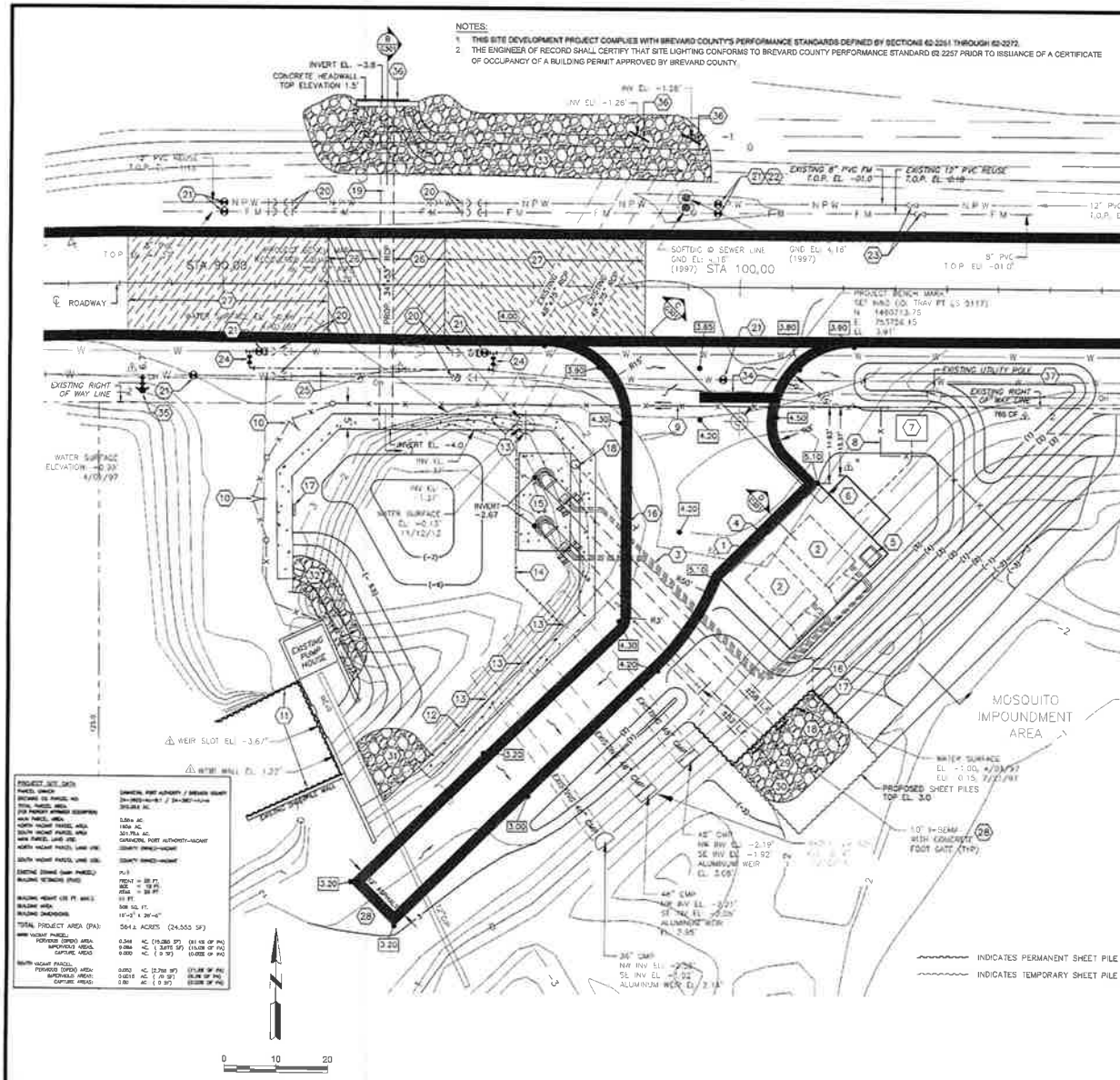




- 1 PRECAST CONCRETE PUMP BUILDING F.R. EL. 5.2
- 2 SKID MOUNTED PUMP DRIVE UNITS WITH REQUIRED FLOW PIPING AND VALVE
- 3 316 SS HYDRAULIC LINES TO PUMP DRIVE UNITS, INSTALLED IN SCH40 PUMP SLEEVES UNDER PAVEMENT
- 4 6" BOLLARD (TYPICAL OF 6) SEE DETAIL H SHEET C-302
- 5 **SIMPLEX DAY TANK MODEL RELIANT 75 ON 8" THICK CONCRETE PAD**
- 6 1000 GALLON DUAL CONTAMINANT CONCRETE DIESEL TANK, CONVAULT OR APPROVED EQUAL
- 7 500 KVA PFL TRANSFORMER
- 8 181 L.F. 5' HIGH CHAINLINK FENCE, SEE DETAIL K SHEET C-018. EXTEND 8' INTO WATER. 
- 9 0.75X3.75 CHAINLINK ROLL GATE
- 10 16' DOUBLE GATE (TYPICAL OF 2) SEE DETAIL L SHEET C-601
- 11 **PROVIDE ENGINEERED VINYL SHEET PILE SYSTEM TO REPLACE EXISTING CORRODED STEEL SHEET PILE SYSTEM. SYSTEM TO INCLUDE ADJUSTABLE VENTS TO MATCH EXISTING DIMENSIONS AND ALUMINUM WALKBOARD FOR ACCESS TO ADJUSTABLE WEIRWEIR BOARD.**
- 12 8" SEGMENTAL BLOCK GRAVITY WALL, T.O.W. EL. 3.0. SEE DETAIL F SHEET C-301
- 13 TRIM/EXTEND EXISTING R.C.P. AS NEEDED TO FINISH FLUSH WITH WALL
- 14 TRASH SCREEN. SEE DETAIL L SHEET C-601
- 15 16'X16'X6" CONCRETE PAD TOP OF SLAB EL. -5.00. SEE DETAIL A SHEET C-301
- 16 SENSOR WIRE WITHIN 1'-12" SCH40 PUMP CONDUIT TO PUMPS CONTROL PANELS
- 17 **STAFF GAUGE (F.R.P., FERTILENTS, ACTUAL HAZARD ELEVATION)**
- 18 **PUMP SHUT/OFF SENSOR INSTALLED WITHIN PUMP STILLING TUBE WALKABLE LID AND STRAPPED TO HEADWALL OR SHEETPILE AS APPLICABLE. SEE DETAIL SHEET C-302**
- 19 **PROPOSED 36"X6' REINFORCED CONCRETE ELLIPTICAL PIPE. SEE PIPE THROUGH WALL DETAIL E SHEET C-301**
- 20 **FITTINGS AS REQUIRED FOR ADJUSTMENT OF EXISTING UTILITIES OVER NEW 36"X6' ELLIPTICAL PIPE. FITTINGS TO VERIFY EXISTING UTILITIES LOCATIONS/ELEVATIONS. IF POSSIBLE, A SHIFT OF THE PROPOSED PIPE EAST OR WEST IS PREFERRED IN ORDER TO AVOID CONFLICTS WITH AND MODIFICATIONS TO EXISTING UTILITIES.**
- 21 PROPOSED LINESLOPS
- 22 NO LINESLOPS REQUIRED THIS LOCATION IF EXISTING VALVES CLOSE PROPERLY. SEE KEYED NOTE 23
- 23 EXISTING VALVES
- 24 12" TAPPING SLEEVE AND VALVE
- 25 12" WATER MAIN TO BE REMOVED IN SERVICE AT ALL TIMES. RELOCATED SECTION OF 12" C100 PVP WATER MAIN TO BE INSTALLED, TESTED, AND PLACED IN SERVICE PRIOR TO CUTTING AND CAPPING EXISTING WATER MAIN
- 26 MILL AND RESURFACE 50' BENEATH OF CULVERT WITH 1'-14" SP9.5 TRAFFIC LEVEL C ASPHALT
- 27 OPEN CUT AND REPAIR ROAD 10' BENEATH CULVERT
- 28 RELOCATE EXISTING 10'-18" BEAM GATE TO 6' BENEATH END OF NEW PAVEMENT
- 29 12" 30" PUMP DISCHARGE PIPES WITH 316 STAINLESS STEEL FLAT GATE
INVERT EL. -2.81' SEE SECTION A SHEET C-301
- 30 264 SQUARE FEET, 12" THICK RIP RAP MINIMUM WEIGHT 20 LB
- 31 203 SQUARE FEET, 12" THICK RIP RAP MINIMUM WEIGHT 20 LB
- 32 248 SQUARE FEET, 12" THICK RIP RAP MINIMUM WEIGHT 20 LB
- 33 966 SQUARE FEET, 12" THICK RIP RAP MINIMUM WEIGHT 20 LB
- 34 STOP SIGN AND 24" WHITE THERMOPLASTIC STOP BAR
(SEE SHEET C-304 FOR DETAIL.)
- 35 **NEW FINE HYDRAUNT ASSEMBLY CONNECTED TO EXISTING 8" WM
(SEE SHEET C-601 FOR DETAIL)
(INSTALL BLUE RAISED PAVEMENT MARKER PER BREVARD COUNTY STANDARDS)
MINIMUM FLOW 1.500 GPM
FLOW DURATION 2HR - TYPE I CONSTRUCTION**
- 36 ALUMINUM MANHOLE EXCLUSION GRATE
- 37 NEW CONCRETE POLE INSTALLED WEST OF THE LOCATION BY FULFILLING TIME OF BURIAL

**Mead
& Hunt**
Mead and Hunt, Inc.
2440 Dering Way
Middleton, WI 53562
phone: 608-273-6380
meadhunt.com

**BREVARD COUNTY
HALL ROAD STORMWATER
PUMP STATION IMPROVEMENTS**

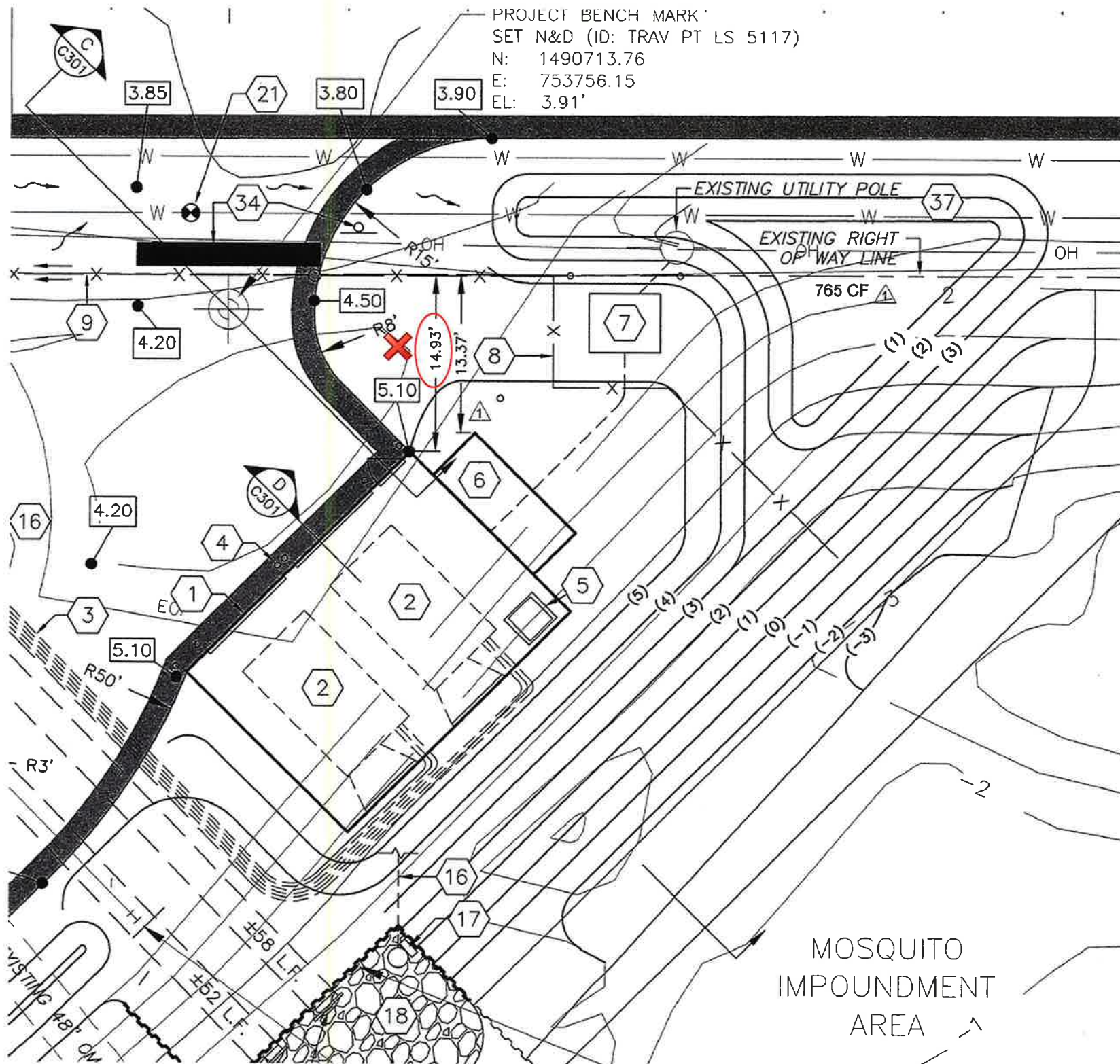
MERRITT ISLAND, FL 32953



NOT FOR CONSTRUCTION

NUMBER: 1000701-171231-01
 DATE: SEPTEMBER 2019
 DRAWING BY: DAK
 CHECKED BY: ADC
 DESIGNED BY: SGD
 PROJECT TITLE: SPRINGWOOD
 SHEET CONTENTS
 SITE IMPROVEMENT
 PLANS

C-001



- 11 PROVIDED ENGINEER'S PILE SYSTEM. SY ALUMINUM WALL
- 12 8.5' SEGMENTAL
- 13 TRIM/EXTEND EX
- 14 TRASH SCREEN.
- 15 19"x10"x6" T CONC
- 16 SENSOR WIRE W
- 17 STAFF GAUGE (F
- 18 PUMP SHUTOFF HEADWALL OR S
- 19 PROPOSED 34"x6" SEE PIPE THRO
- 20 FITTINGS AS RECOMMENDED BY CONTRACTOR TO PROPOSED PIPE MODIFICATIONS
- 21 PROPOSED LINE
- 22 NO LINESTOPS R
- 23 EXISTING VALVE
- 24 12" TAPPING SLE
- 25 12" WATER MAIN MAIN TO BE INST WATER MAIN.
- 26 MILL AND RESUR
- 27 OPEN CUT AND F