

M:\2021\221-019 - City of Waveland - Multiple Projects Directed to Hurricane Zeta\221-019.003 - VFW Memorial\Drawings\Current Design\Concept-Design\60.0.dwg, 2/13/2023 2:16:09 PM, tommy, \\BSL-FS-02\RCOH-Aficio SP C830DN PCL 6

**CONTRACT DOCUMENTS  
FOR CONSTRUCTION OF THE**

# **VETERANS MEMORIAL REPAIRS**

**FOR THE CITY OF**

# **WAVELAND**

**WAVELAND, MISSISSIPPI**

**VOLUME II**

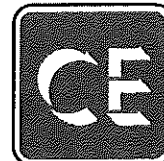
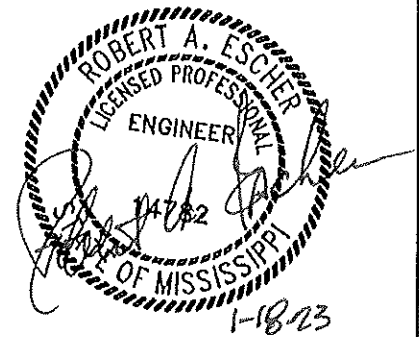
CITY OF WAVELAND

MAYOR  
JAY TRAPANI

ATTORNEY:  
RONNIE ARTIGUES

ALDER MEMBERS  
WARD 1: RHONDA AIME-GAMBLE  
WARD 2: BOBBY RICHARDSON  
WARD 3: SHANE LAFONTAINE  
WARD 4: JEREMY CLARK

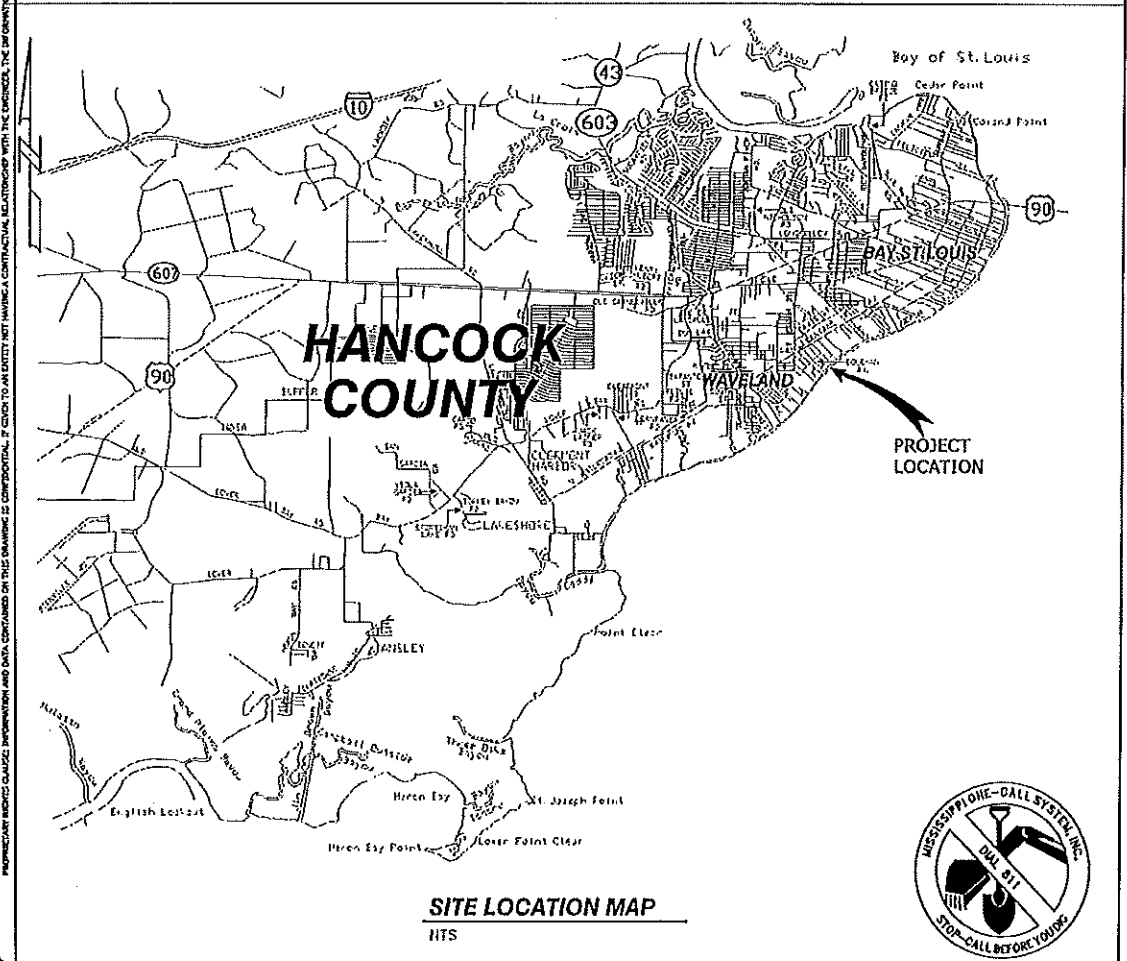
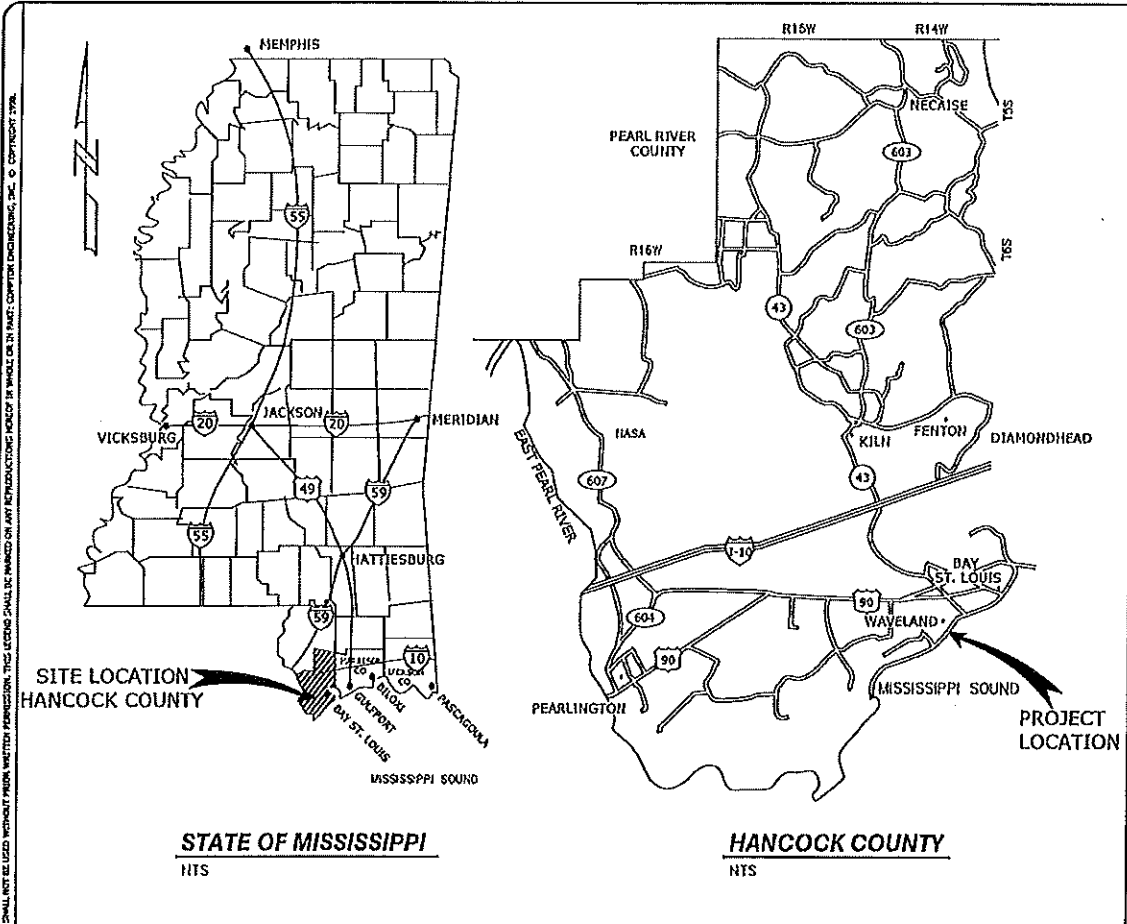
CITY CLERK:  
LISA PLANCHARD



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CONSTRUCTION  
CE JOB No. 221-019.003

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**GENERAL NOTE(S):**

- IT IS THE INTENT OF THE CONTRACT DOCUMENTS TO PROVIDE FOR COMPLETE AND FINISHED WORK. ALL MISCELLANEOUS COMPONENTS, PARTS, ANCHORS, AND OTHER INCIDENTAL ITEMS REQUIRED FOR COMPLETE ASSEMBLY, FUNCTIONING AND OPERATION OF AN ITEM OR SYSTEM SHALL BE PROVIDED, WHETHER OR NOT SPECIFICALLY CALLED FOR.
- THE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO DEFINE THE GENERAL DESIGN AND SCOPE OF THE WORK REQUIRED TO COMPLETE THE WORK. THE CONTRACTOR SHALL INCLUDE ALL COMPONENTS WHICH ARE NORMALLY INCIDENTAL TO THE WORK. THOSE COMPONENTS WHICH ARE NOT SHOWN ON THE DRAWING OR SPECIFIED BUT WHICH ARE REQUIRED AS AN ESSENTIAL AESTHETIC, FUNCTIONAL OR CODE REQUIRED ELEMENT OF THE WORK ARE TO BE INCLUDED.
- TO ESTABLISH THE COMPLETE SCOPE OF ITS WORK AND TO EFFECT CLOSE COORDINATION WITH THE OTHER TRADES, EACH TRADE SHALL COMPLETELY REVIEW THE PLANS AND SPECIFICATIONS, NOT ONLY FOR ITS RESPECTIVE TRADE, BUT FOR THE WORK OF THE OTHER RELATED TRADES AS WELL. TITLES OF DIVISIONS (AND SECTIONS IN SPECIFICATIONS) IDENTIFYING WORK ARE PROVIDED FOR ORGANIZATIONAL AND REFERENCE PURPOSES AND SHALL NOT BE TAKEN AS AN ABSOLUTE SEPARATION OF THE TRADES OR OF THE UNITS OF MATERIAL AND LABOR.
- CONTRACTOR SHALL COORDINATE AND OBTAIN ALL NECESSARY PERMITS AND APPROVALS OR GUIDELINES FROM GOVERNING REGULATORY AGENCIES BEFORE PROCEEDING WITH ANY ITEMS OF WORK UNDER OR WITHIN SUCH JURISDICTION(S).
- CONTRACTOR IS RESPONSIBLE FOR CONTACTING HANCOCK COUNTY TO ENSURE THAT ALL WORK ON OR ADJACENT TO ROAD R.O.W. MEETS COUNTY REQUIREMENTS.
- EXCEPT AS MODIFIED BY THE CONTRACT DOCUMENTS, ALL WORK SHALL BE IN ACCORDANCE WITH ALL LOCAL COUNTY OR STATE REQUIREMENTS. THE CONTRACTOR SHALL HAVE A COPY OF ALL APPLICABLE STANDARD SPECIFICATIONS AND DRAWINGS AT THE WORK SITE AT ALL TIMES.
- CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF OSHA AND STATE REGULATIONS.
- CONTRACTOR SHALL CONFINE ALL FIELD OFFICE AND STAGING AREA WORK TO THE CITY OF WAVELAND. LIMITS TO BE COORDINATED WITH THE CITY AND ENGINEER. CONTRACTOR SHALL RETURN THIS AREA TO ITS ORIGINAL, OR BETTER, CONDITION PRIOR TO COMPLETING THE PROJECT. SHOULD THIS AREA NOT BE LARGE ENOUGH FOR STORAGE, THE CONTRACTOR MAY MAKE OTHER ARRANGEMENTS AT HIS/HER COST.
- CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR ALL JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT INCLUDING THE SAFETY OF ALL PERSONS AND PROPERTY THERE IN. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY, AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- CONTRACTOR SHALL VERIFY EXISTING CONDITIONS, SERVICES, DIMENSIONS, AND ELEVATIONS OF SITE.
- LOCATION OF ALL EXISTING UTILITIES, SUBSTRUCTURES, PROPERTY LINES, SUBSURFACE SOIL OR ROCK CONDITIONS ARE BASED ON THE BEST AVAILABLE INFORMATION AND ARE NOT GUARANTEED AS TO ACCURACY, NOR IS IT WARRANTED THAT ALL ITEMS ARE SHOWN. ALL EXISTING UTILITIES ARE SHOWN FOR INFORMATION ONLY AND SHALL BE FIELD VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD LOCATING ALL EXISTING UTILITIES. EXISTING TRENCHES SHOWN IN PROFILE ARE APPROXIMATE ELEVATIONS ONLY. ALL OVERHEAD ELECTRICAL AND TELEPHONE CABLES OTHER UTILITIES AND POLES ARE NOT WARRANTED TO BE SHOWN. CALL BEFORE YOU DIG @ MISSISSIPPI ONE CALL SYSTEMS INC. P#P811.
- ALL DIMENSIONS AND TIE-INS GOVERNED BY EXISTING CONDITIONS ARE APPROXIMATE AND ARE NOT GUARANTEED TO BE CORRECT. ALL SUCH DIMENSIONS AND CONDITIONS SHALL BE FIELD VERIFIED BY THE GENERAL CONTRACTOR PRIOR TO PROCEEDING WITH ANY WORK. IF CONDITIONS AND DIMENSIONS VARY FROM THOSE SHOWN, THE CONTRACTOR SHALL NOTIFY THE ENGINEER BEFORE PROCEEDING WITH WORK WHERE DIMENSIONS ARE NOT SHOWN. USE EXACT DIMENSIONS. DO NOT SCALE WHERE DIMENSIONS ARE SHOWN WITH +/- INDICATIONS ADJUSTMENTS MAY BE MADE TO SUIT FIELD CONDITIONS.
- CONTRACTOR SHALL LIMIT HIS/HER ACTIVITY AND OTHER AREAS NOTED TO THE RIGHT-OF-WAY, PROPERTY LINES, AND/OR PERMANENT AND TEMPORARY CONSTRUCTION EASEMENTS AND SHALL RESTORE ALL DAMAGED AREAS IN ACCORDANCE WITH SPECIFICATIONS. ALL EXCESS MATERIALS AND SPOIL SHALL BE DISPOSED OF BY THE CONTRACTOR AT AN OFF-SITE LOCATION APPROVED BY THE OWNER AT NO ADDITIONAL EXPENSE.
- CONTRACTOR SHALL PROTECT AND/OR RESTORE ALL EXISTING SURFACE AND SUBSURFACE UTILITIES, BUILDINGS, STRUCTURES AND OTHER FACILITIES ENCOUNTERED DURING CONSTRUCTION WHETHER OR NOT SHOWN ON THE DRAWINGS. THIS INCLUDES, BUT IS NOT LIMITED TO, IRRIGATION CHANNELS, DIVERSIONS, PIPING, CONNECTIONS AND STRUCTURES ENCOUNTERED ON PUBLIC RIGHTS-OF-WAY AND PRIVATE PROPERTY.
- CONTRACTOR IS RESPONSIBLE TO SATISFY HIMSELF/HERSELF OF THE CURRENT PLANIMETRIC FEATURES. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION STAKING AND UTILITY/STRUCTURES, LOCATING, PROTECTING & RESTORATION.
- CONTRACTOR IS RESPONSIBLE FOR THE IMPLEMENTATION AND ADEQUACY OF ALL SEDIMENTATION AND EROSION CONTROL MEASURES DURING CONSTRUCTION. ACCEPTABLE MEASURES AND REQUIREMENTS SHALL BE INCLUDED ON SHEET C1.0. IF MEASURES ARE DEEMED INADEQUATE AT ANYTIME, ENGINEER AND/OR OWNER MAY ORDER ADDITIONAL MEASURES AT CONTRACTORS EXPENSE.
- TEMPORARY FENCING IS NOT SPECIFICALLY CALLED OUT IN THE PLAN DRAWINGS. TEMPORARY FENCING/BARRIER WILL BE REQ'D AS NECESSARY ALONG THE ACTIVE PROJECT WORK SITE TO PROTECT CONSTRUCTION PROGRESS AND THE SAFETY OF PEDESTRIANS/MOTOR VEHICLES. COST OF THE FENCING/BARRIER OR OTHER ITEMS THAT MAY BE REQ'D BY THE ENGINEER WILL BE ABSORBED BY OTHER ITEMS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR THE REMOVAL AND DISPOSAL OF ALL EXCESS EXCAVATED MATERIAL, SOILS AND DEMOLITION DEBRIS TO AN OFF-SITE LOCATION AT NO ADDITIONAL CHARGE TO THE OWNER. EXCAVATED SOIL USED FOR TRENCH BACKFILLING SHALL BE TEMPORARILY STOCKPILED AND SHALL NOT CONTAIN CONSTRUCTION DEBRIS, ROCK OR OTHER DELETERIOUS SUBSTANCES. CONTAMINATED SOIL SHALL BE PROPERLY DISPOSED BY THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE.

- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL STORM WATER, SILT AND EROSION CONTROL DURING ALL PHASES OF CONSTRUCTION AND SHALL BE RESPONSIBLE FOR OBTAINING ALL ASSOCIATED CONSTRUCTION PERMITS.
- CONTRACTOR SHALL VERIFY PIPE MATERIAL AND TYPE OF JOINT BEFORE CONNECTIONS BETWEEN EXISTING AND PROPOSED PIPES ARE MADE. CONTRACTOR SHALL SUPPORT ALL PIPING AND CONDUITS EXPOSED DURING CONSTRUCTION AND SHALL BE RESPONSIBLE FOR FLOW DIVERSION AND DEWATERING OF EXISTING PIPE LINES BEFORE INSTALLING THE I-INS.
- ALL PIPELINE TRENCHES IN PUBLIC RIGHT-OF-WAY AND/OR TEMPORARY EASEMENT SHALL BE BACKFILLED BY THE END OF THE WORKDAY OR WHEN LEAVING THE SITE. OPEN TRENCHES ON PRIVATE PROPERTY SHALL BE KEPT TO A MINIMUM. OPEN TRENCHES SHALL BE COVERED WITH STEEL PLATING WHEN NOT IN USE. UPON BACKFILLING, THE CONTRACTOR SHALL BROOM-SWEEP STREETS, USE APPROPRIATE METHODS TO CONTROL DUST AND HOSE DOWN THE PAVEMENT TO KEEP SURFACE CLEAN.
- CONTRACTOR SHALL PROVIDE THRUST AND RESTRAINTS THROUGH THE USE OF RESTRAINED JOINTS AND RESTRAINED COUPLINGS. THE ACTUAL LENGTH OF THE RESTRAINT TO BE PROVIDED ON EACH SIDE OF THE FITTINGS AS SHOWN IN THE DRAWINGS. THE CONTRACTOR SHALL ALSO REFER TO THE CONTRACT DRAWINGS FOR AREAS WHERE RESTRAINED JOINTS WILL BE NECESSARY. THE LENGTH OF RESTRAINT SHOWN ON THE DRAWINGS IS THE MINIMUM REQUIRED. ALL TEES, ELBOWS AND BENDS SHALL BE PROVIDED WITH RESTRAINED JOINTS. LENGTHS SHOWN ON THE DRAWINGS FOR RESTRAINED JOINTS ARE IN ADDITION TO THE LENGTH OF TEES, ELBOWS AND BENDS.
- PRIOR TO CONNECTION TO OR RELOCATION OF ANY EXISTING OWNER FACILITIES, NOTIFY THE ENGINEER. ALL CONNECTIONS TO EXISTING FACILITIES SHALL BE DONE AT THE CONVENIENCE OF THE OWNER.
- THE CONTRACTOR SHALL OBTAIN PERMISSION FROM STATE AND LOCAL AUTHORITIES PRIOR TO ANY DISRUPTION OF NORMAL TRAFFIC FLOW. ALL DISRUPTIONS OF TRAFFIC SHALL BE IN FULL ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- THE CONTRACTOR SHALL SUBCONTRACT WITH SUPPLIERS AND FABRICATION AND INSTALLATION COMPANIES WHICH CAN DEMONSTRATE THAT THEY POSSESS THE KNOWLEDGE, EXPERIENCE, AND PROVEN CAPABILITIES TO FULLY PERFORM ALL ASPECTS OF THE WORK REQUIRED WITHOUT OMISSION.
- STATIONING IS BASED ON MAP COORDINATES. ACTUAL STATIONING SHALL BE RECORDED BY THE CONTRACTOR AND INCLUDED IN THE RECORD DRAWINGS.
- CONCRETE**
  - REMOVABLE CAP STRIPS AND SAW CUTTING OF JOINTS SHALL NOT BE ALLOWED UNLESS APPROVED BY ENGINEER PRIOR TO USE.
  - CONTROL JOINTS SHALL BE TOoled TO HAVE A 1/4" WIDTH AND A DEPTH EQUAL TO 1/4 OF CONCRETE THICKNESS.
  - CONTROL JOINT SPACING SHALL MATCH THE EXISTING SPACING ADJACENT TO AS DIRECTED BY ENGINEER.
  - FINAL FINISH OF CONCRETE PAVEMENT SHALL BE A BURLAP FINISH. FINISHING WORK SHALL BE PERFORMED WHEN THE WATER SHEEN HAS PRACTICALLY DISAPPEARED.
  - ALL EXPOSED CONCRETE EDGES TOoled UNLESS OTHERWISE NOTED.
  - ALL CONCRETE PAVEMENT JOINTS SHALL BE SEALED WITH "SELF LEVELING" SEALANT MEETING THE MATERIAL REQUIREMENT OF SPECIFICATION SECTION 3300.
  - CONCRETE SHALL MEET A 4000 PSI MIX DESIGN AS SPECIFIED IN SECTION 3300 OF THE SPECIFICATIONS UNLESS NOTED OTHERWISE.
- UTILITIES**
  - CONTRACTOR TO USE CAUTION AROUND EXISTING UTILITY.
- REBAR**
  - ALL REBAR SPECIFIED SHALL BE EPOXY COATED.
  - WELDED WIRE FABRIC DOES NOT HAVE TO BE EPOXY COATED.
- JOINT SEALER PER 3300 SPECIFICATIONS.
- SIZE AND LOCATION OF EQUIPMENT PADS AND ANCHOR BOLTS SHALL BE PER EQUIPMENT MANUFACTURERS REQUIREMENTS.
- ANY EQUIPMENT THAT MAY INDUCE VIBRATION TO THE STRUCTURE SHALL BE ADEQUATELY ISOLATED FROM THE STRUCTURES.
- ALL DETAILS AND SECTIONS SHOWN ON THE DRAWINGS ARE INTENDED TO BE TYPICAL AND SHALL BE CONSTRUED TO APPLY TO ANY SIMILAR SITUATION ELSEWHERE ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.
- STANDARD DETAILS APPLY TO ALL SIMILAR SITUATIONS ON THE PROJECT, EXCEPT WHERE A DIFFERENT DETAIL IS SHOWN.

**SHEET INDEX:**

GENERAL		
1	COVER SHEET	G0.0
2	SITE LOCATION MAP, SHEET INDEX & NOTES	G1.0
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4	EXISTING SITE & DEMOLITION PLAN	C1.0
5	PROPOSED REPAIR PLAN & SECTION - BASE BID	C2.0
6	PROPOSED REPAIR PLAN & SECTION - ALTERNATE #2	C2.1
7	EROSION CONTROL DETAILS	C3.0
8	DETAILS	C3.1

**GENERAL STRUCTURAL NOTE(S):**

- REINFORCING STEEL:**
- REINFORCEMENT SHALL CONFORM TO ASTM A615, GRADE 60 REQUIREMENTS.
  - ALL ACCESSORIES SHALL BE IN CONFORMANCE WITH ACI 315 REQUIREMENTS. REINFORCING STEEL SHALL HAVE THE FOLLOWING CLEAR COVER UNLESS OTHERWISE SPECIFIED:
    - CONCRETE CAST AGAINST EARTH 3"
    - FORMED SURFACES IN CONTACT WITH SOIL, SEWAGE, WATER OR EXPOSED WEATHER 2"
    - FORMED SURFACES NOT EXPOSED TO WEATHER OR IN CONTACT WITH SOIL:
      - SLABS, WALLS AND JOISTS 3/4"
      - BEAMS AND COLUMNS 1-1/2"
  - THE CONTRACTOR SHALL PREPARE PLACING DRAWINGS AND SCHEDULES IN CONFORMANCE WITH ACI 315 REQUIREMENTS.
- PRECAST PRESTRESSED CONSTRUCTION:**
- ALL PRECAST PRESTRESSED MEMBERS SHALL BE DESIGNED BY A MISSISSIPPI REGISTERED PROFESSIONAL ENGINEER FOR THE SUPERIMPOSED LOADS SHOWN ON THE DRAWINGS IN CONFORMANCE WITH THE REQUIREMENTS OF APPLICABLE SPECIFICATIONS. EQUIPMENT LOADS AND OTHER LOADING SUCH AS PREFABRICATED ENCLOSURES SHALL BE CONSIDERED AS REQUIRED.
- CONCRETE:**
- ALL MATERIALS AND METHODS OF CONSTRUCTION SHALL BE IN ACCORDANCE WITH ACI 318 REQUIREMENTS.
  - ALL CONCRETE SHALL BE AIR-ENTRAINED WITH 4000 PSI COMPRESSIVE STRENGTH AT 28 DAYS UNLESS OTHERWISE SPECIFIED.
  - WATER REDUCING AGENT SHALL BE IN ACCORDANCE WITH ASTM C494
  - ALL CONCRETE SURFACES EXPOSED TO AIR, UNLESS OTHERWISE NOTED IN SPECIFICATIONS, SHALL BE TREATED WITH AN APPROPRIATE CURING COMPOUND AS SOON AS CEMENT FINISHING IS COMPLETED OR FORMS ARE REMOVED.
  - ALL EXPOSED CORNERS OF CONCRETE SHALL HAVE A MINIMUM CHAMFER OF 3/4", UNLESS OTHERWISE SPECIFIED.
  - THE CONTRACTOR SHALL OBTAIN ENGINEER'S APPROVAL FOR THE LOCATION OF CONSTRUCTION JOINTS THAT ARE NOT SHOWN ON THE DRAWING.
- DESIGN CODES:**
- INTERNATIONAL BUILDING CODE 2006
  - OTHER STRUCTURES: ACI 318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
- DESIGN LOADS:**
- |   |      |     |
|---|------|-----|
| LIVE LOADS:   |      |     |
| -STAIRWAYS  | 100  | PSF |
| -WALKWAYS   | 100  | PSF |
| -ELEVATED SLABS   | 100  | PSF |
| -SLABS ON GRADE   | 100  | PSF |
| SUPERIMPOSED DEADLOADS:   |      |     |
| -ROOFS  | 20   | PSF |
| -FLOORS   | 100  | PSF |
| WINDLOADS:  |      |     |
| -BASIC WIND SPEED   | 140  | C   |
| -EXPOSURE CATEGORY  | C    |     |
| -IMPORTANCE FACTOR  | 1.0  |     |
| EARTHQUAKE:   |      |     |
| -SEISMIC DESIGN CATEGORY  | A    |     |
| CONCRETE 28-DAY STRENGTH:   |      |     |
| -COLUMNS, BEAMS, SLABS, WALLS, FOOTINGS                                       | 4000 |     |
| -MASONRY FILLED CELL GROUT  | 2500 |     |
| -PRESTRESSED ELEMENTS   | 5000 |     |
| REINFORCING STEEL:  |      |     |
| -ALL PARS ASTM A615, GRADE 60   |      |     |
| -WELDED WIRE FABRIC ASTM A185   |      |     |
| STRUCTURAL STEEL:   |      |     |
| -ALL STRUCTURAL STEEL AND MISCELLANEOUS STEEL A36, UNLESS OTHERWISE SPECIFIED |      |     |

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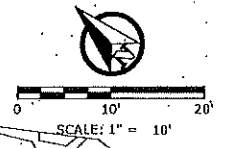
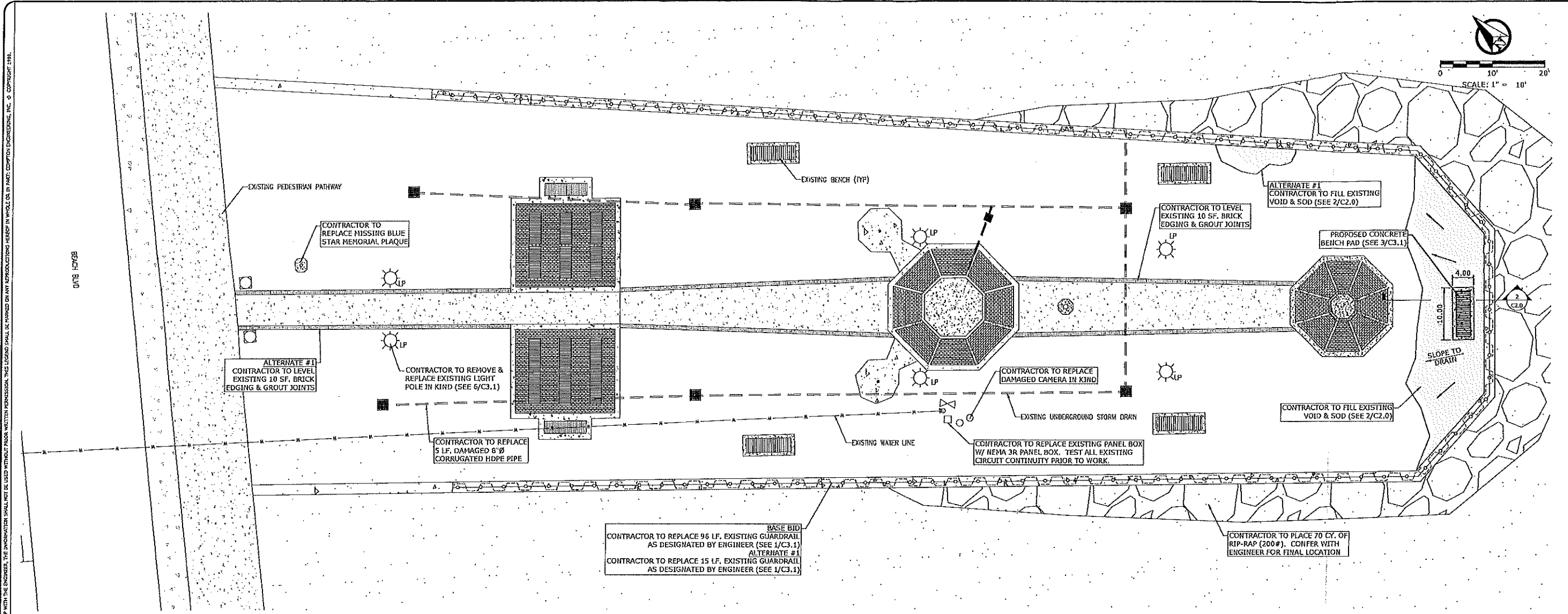
**CITY OF WAVELAND**  
**VETERANS MEMORIAL REPAIRS**  
SITE LOCATION MAP, SHEET INDEX & NOTES

AS NOTED  
DATE: 2/10/23  
DESIGNER: D. HERRINGTON  
CHECKED BY: T. PARKER  
DATE OF MISSISSIPPI REGISTRATION: 1-18-23  
APPROVED BY: B. ESCHER  
PROFESSIONAL ENGINEER  
NO. 10000

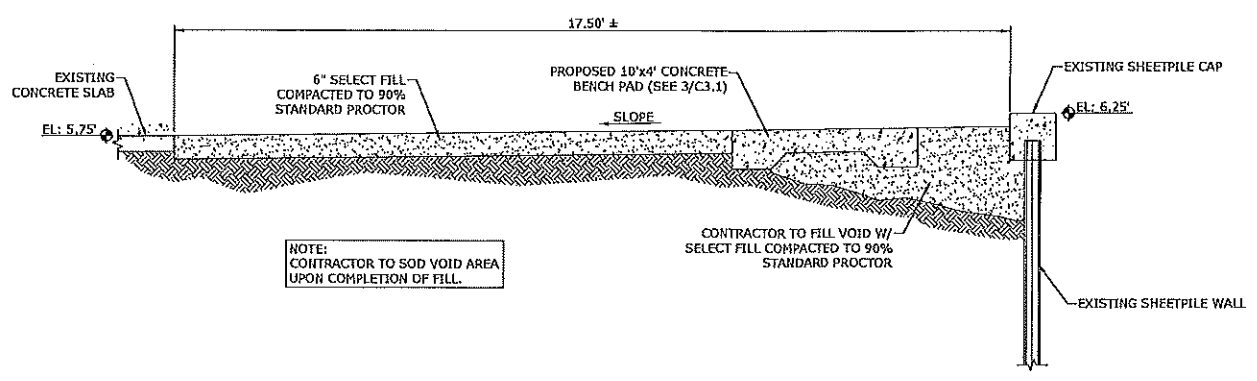
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**1** PROPOSED SITE PLAN (BASE BID)  
C2.0 SCALE: 1" = 10'



**2** TYPICAL SECTION (BASE BID)  
C2.0 SCALE: 1/2" = 1'-0"

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**CITY OF WAVELAND**  
**VETERANS MEMORIAL REPAIRS**  
BASE BID  
PROPOSED REPAIR PLAN & SECTION

SCALE: AS NOTED  
JOB NO.: 221-019-003  
DATE: 01-18-23  
DSGN.: D. HERRINGTON  
DWG. BY: T. PARKER  
CHK.: G. CLEMENS  
APVD.:

REVISIONS  
NO. DATE DESCRIPTION BY APVD.

C2.0

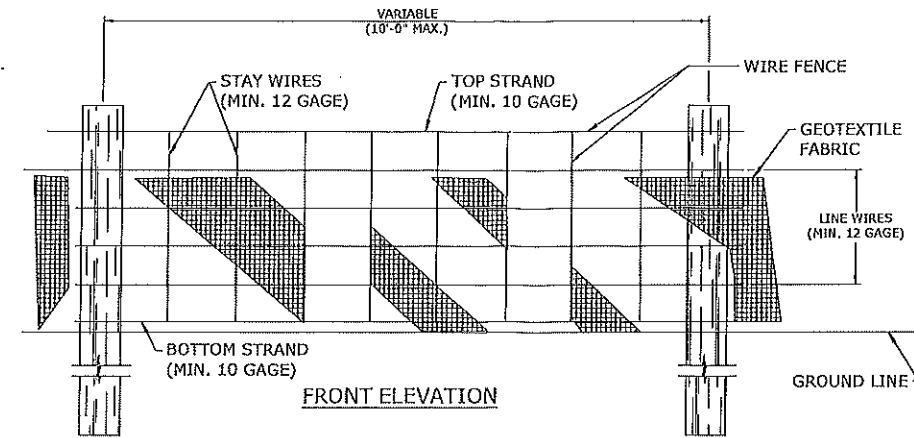
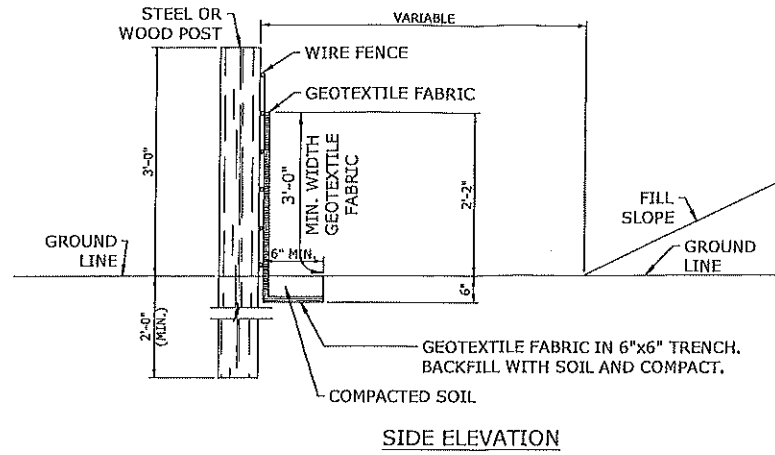
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8-30-22	ISSUED FOR RE-BID	TP	BE	01-18-23	ISSUED FOR CONSTRUCTION	TP	BE				



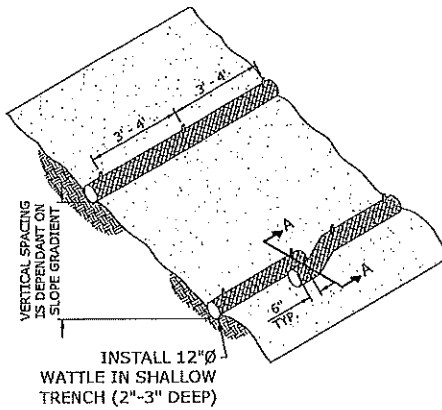
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**NOTE(S)**

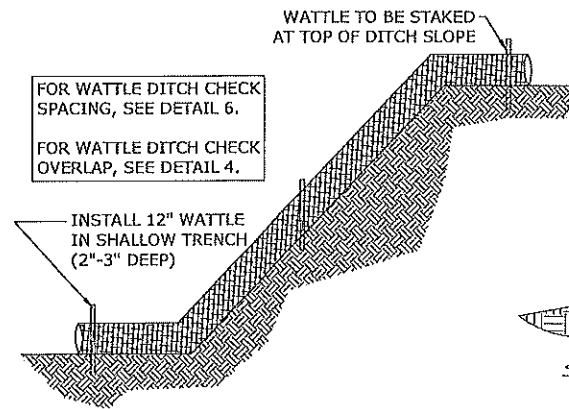
1. WIRE SHALL BE MINIMUM OF 32" IN WIDTH AND SHALL HAVE A MINIMUM OF 6 LINE WIRES WITH 12" STAY SPACING.
2. GEOTEXTILE FABRIC SHALL BE A MINIMUM OF 36" IN WIDTH AND SHALL BE FASTENED ADEQUATELY TO THE WIRE.
3. STEEL POST SHALL BE 5'-0" IN HEIGHT AND OF THE SELF-FASTENER ANGLE STEEL TYPE. WOOD POST SHALL BE A MINIMUM OF 5'-0" IN HEIGHT AND 3" OR MORE IN DIAMETER. WIRE FENCE SHALL BE FASTENED TO WOODEN POST WITH NOT LESS THAN 9 GAGE WIRE STAPLES 1" LONG.
4. GEOTEXTILE FABRIC MEETING THE TYPE II MATERIAL REQUIREMENTS AND INSTALLED ACCORDING TO SPECIFICATIONS MAY BE USED WITHOUT WIRE FENCE.
5. SILT FENCING TO BE INSTALLED AS DIRECTED. EROSION CONTROL MEASURES ALSO TO BE IMPLEMENTED AT ALL SITE DRAINAGE OUTLETS.
6. CONTRACTOR TO IMPLEMENT BEST MANAGEMENT PRACTICES (BMP'S) FOR ALL ASPECTS OF PROJECT SITE. COST ABSORBED IN OTHER ITEMS.



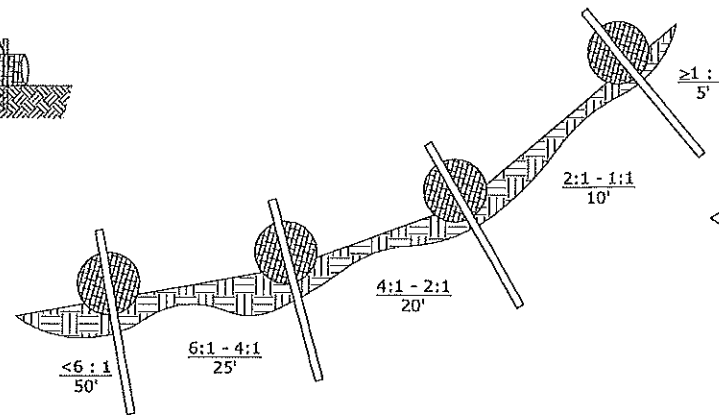
**1** TEMPORARY SILT FENCE DETAIL  
C3.0 SCALE: N.T.S.



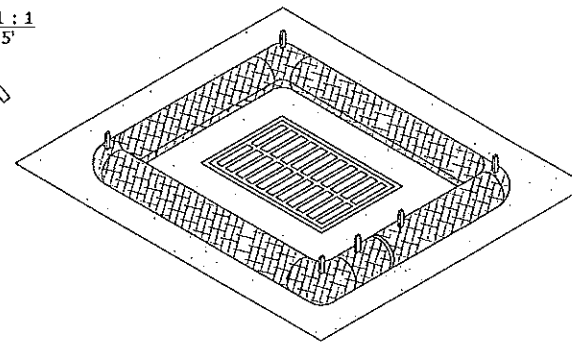
**4** TYPICAL WATTLE INSTALLATION GUIDE  
C3.0 SCALE: N.T.S.



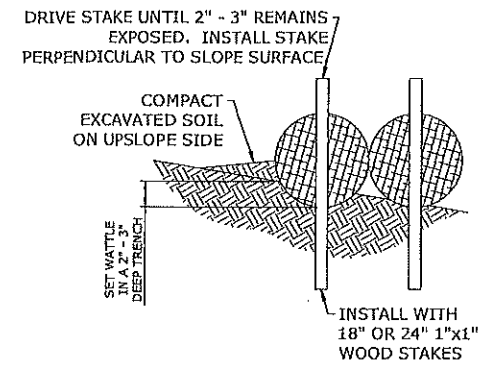
**5** TYPICAL WATTLE DITCH CHECK INSTALLION  
C3.0 SCALE: N.T.S.



**6** TYPICAL WATTLE SPACING BASED ON SLOPE GRADIENT  
C3.0 SCALE: N.T.S.



**7** TYPICAL WATTLE LAYOUT AROUND DRAIN INLET  
C3.0 SCALE: N.T.S.



**8** SECTION A-A ENTRENCHMENT DETAIL  
C3.0 SCALE: N.T.S.

**NOTE(S):**

1. BEGIN AT THE LOCATION WHERE THE WATTLE IS TO BE INSTALLED BY EXCAVATING A 2"-3"(DEPTH)x9"(WIDTH) TRENCH ALONG THE CONTOUR OF THE SLOPE. EXCAVATED SOIL SHOULD BE PLACED UP-SLOPE FROM THE ANCHOR TRENCH.
2. PLACE THE WATTLE IN THE TRENCH SO THAT IT CONTOURS TO THE SOIL SURFACE. COMPACT SOIL FROM THE EXCAVATED TRENCH AGAINST THE WATTLE ON THE UPHILL SIDE. ADJACENT WATTLES SHOULD TIGHTLY ABUT.
3. SECURE THE WATTLE WITH 18"-24" STAKES EVERY 3'-4" AND WITH A STAKE ON EACH END. STAKES SHOULD BE DRIVEN THROUGH THE MIDDLE OF THE WATTLE LEAVING AT LEAST 2"-3" OF STAKE EXTENDING ABOVE THE WATTLE. STAKES SHOULD BE DRIVEN PERPENDICULAR TO SLOPE FACE.

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**CITY OF WAVELAND  
VETERANS MEMORIAL REPAIRS**

**EROSION CONTROL DETAILS**

SCALE: AS NOTED  
JOB NO.: 221-019.003  
DATE: D. HERRINGTON  
DSGN.: T. PARKER  
DWG. BY: G. CLEMENS  
CHK.:  
APVD.:

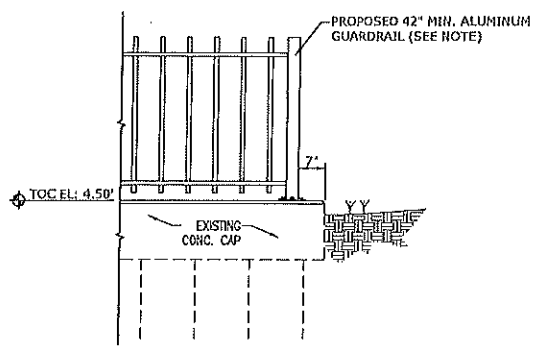
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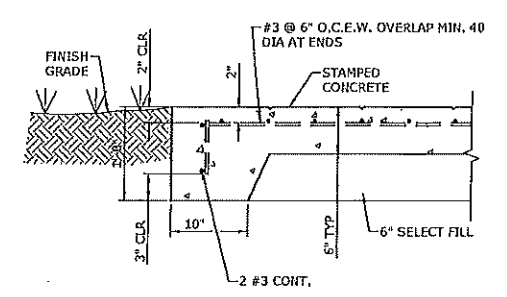
M:\2021\221-019 - City of Waveland - Multiple Projects Directed to Hurricane Zeta\221-019.003 - VFW Memorial\Drawings\Current Design\C3.0-C3.1.dwg, C3.1, 2/10/2023 9:51:46 AM, brend

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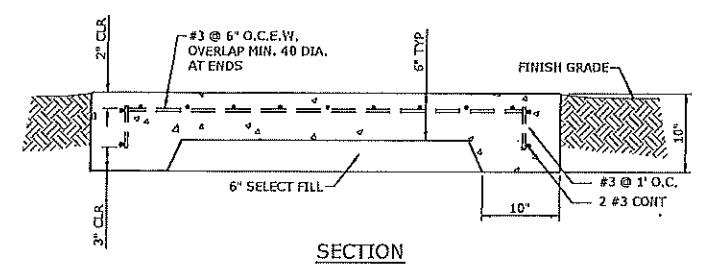
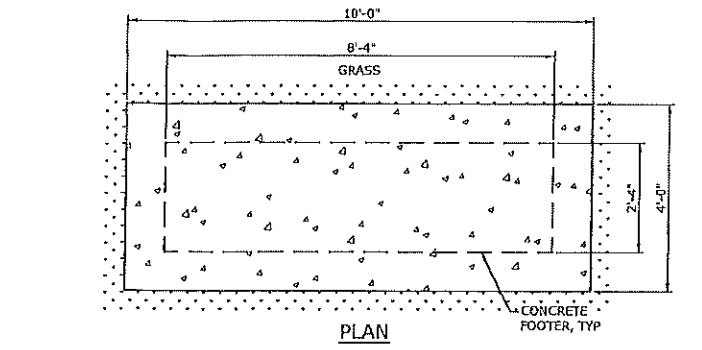


**NOTE:**  
EXISTING ALUMINUM GUARDRAIL HAS BALUSTERS SUCH THAT A 4" DIAMETER SPHERE CANNOT PASS THROUGH ANY OPENING UP TO A HEIGHT OF 34". FROM A HEIGHT OF 34" TO 42" ABOVE THE ADJACENT WALKING SURFACES, A SPHERE 8" IN DIAMETER SHALL NOT PASS. REPLACEMENT OF MISSING GUARDRAILS SHOULD MATCH EXISTING IN KIND.

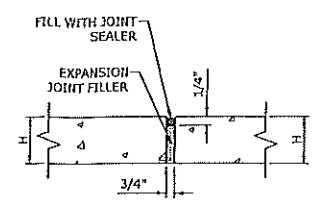
**1** EXISTING GUARDRAIL DETAIL  
C3.1 SCALE: 1/2" - 1'-0"



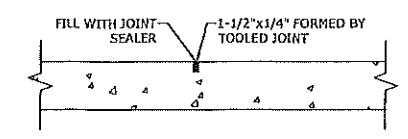
**2** TYPICAL SLAB SECTION W/  
C3.1 SCALE: 1" - 1'-0"



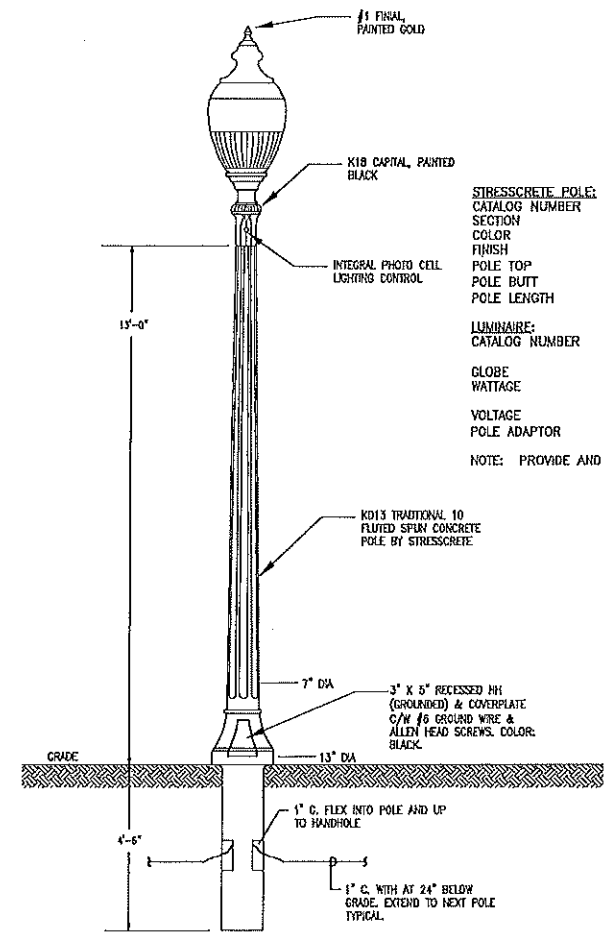
**3** CONCRETE BENCH PAD DETAIL  
C3.1 SCALE: 1" - 1'-0"



**4** EXPANSION JOINT DETAIL  
C3.1 SCALE: NTS



**5** CONTROL JOINT DETAIL  
C3.1 SCALE: NTS

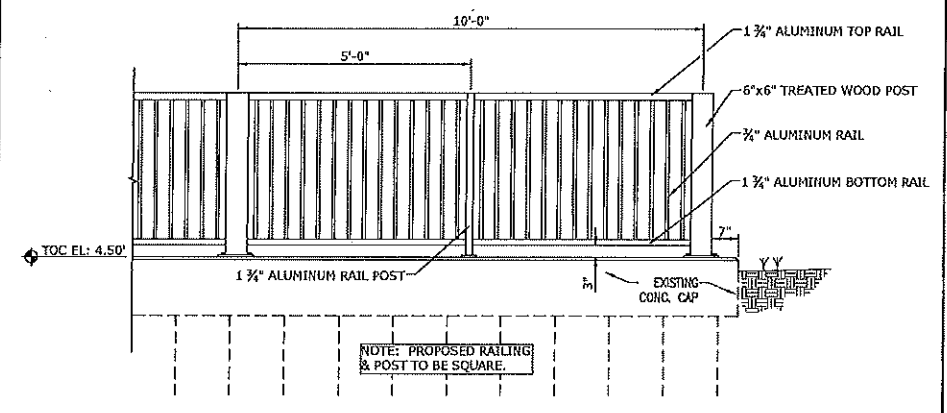


**6** LIGHT POLE DETAIL  
C3.1 SCALE: NTS

**STRESSCRETE POLE:**  
CATALOG NUMBER: K013-G-E11-T  
SECTION: ROUND FLUTED  
COLOR: ECUPSE  
FINISH: ETCHED  
POLE TOP: 6" DIAMETER  
POLE BUTT: 8-1/4" DIAMETER  
POLE LENGTH: 17'-6" OVERALL

**LUMINAIRE:**  
CATALOG NUMBER: K118-EAR-II-150WPS-MH-120V(M)-K18-GH  
GLOBE: ACRYLIC  
WATTAGE: 150 WATT PULSE START  
VOLTAGE: 120 VOLTS  
POLE ADAPTOR: K18 CAPITAL (BLACK)

**NOTE:** PROVIDE AND INSTALL PHOTOCELL AND LAMP



**7** ALTERNATE #2 - GUARDRAIL DETAIL  
C3.1 SCALE: 1/2" - 1'-0"

**NOTE:** PROPOSED RAILING & POST TO BE SQUARE.

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**CITY OF WAVELAND**  
**VETERANS MEMORIAL REPAIRS**

DETAILS

SCALE:	AS NOTED
JOB NO.:	221-019.003
DATE:	
DSGN.:	D. HERRINGTON
DWG. BY:	T. PARKER
CHK.:	G. CLEMENS
APVD.:	

C3.1