

LEGEND:

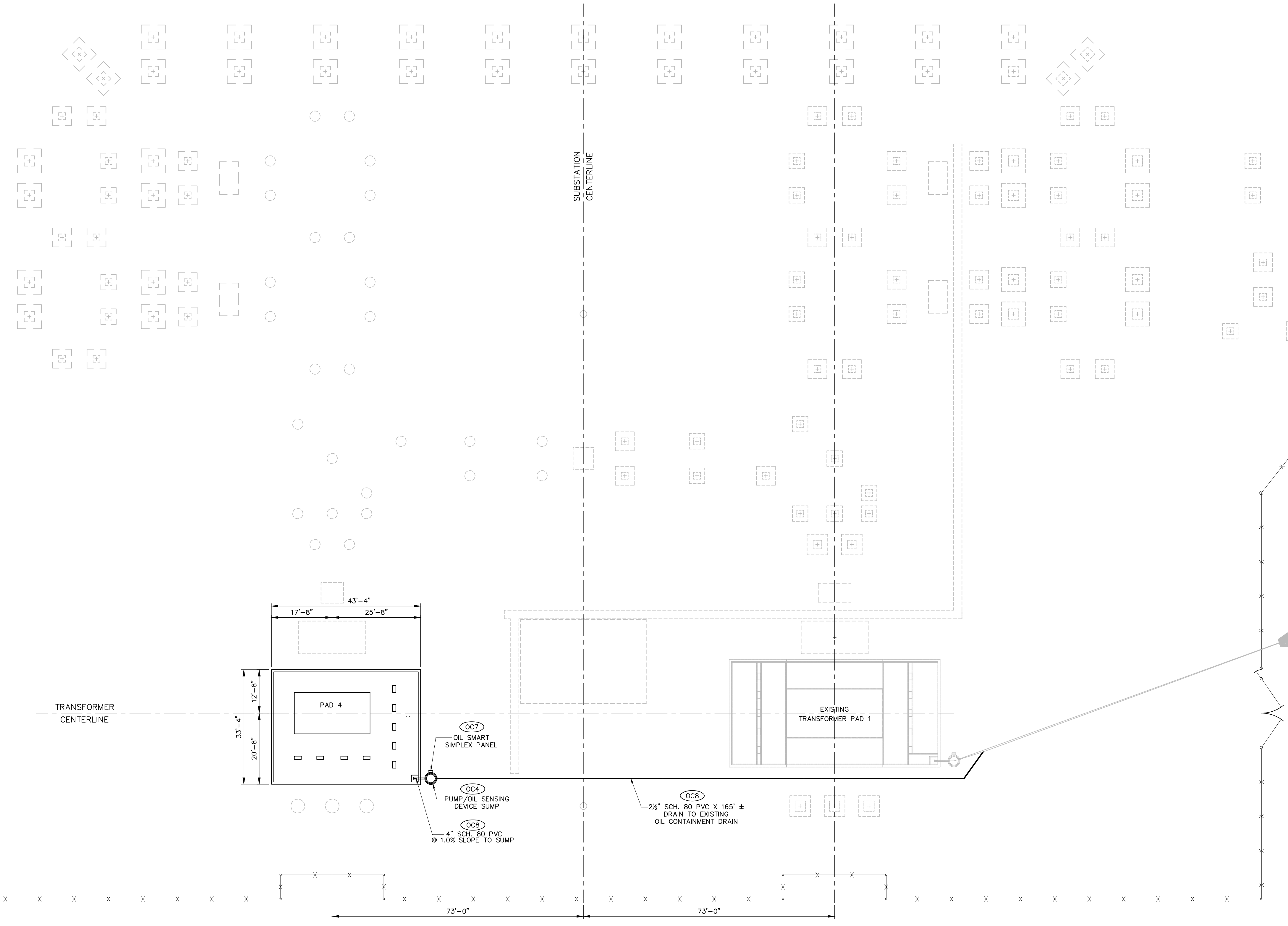
- OIL CONTAINMENT TO BE INSTALLED
- FUTURE FOUNDATION
- EXISTING FOUNDATION
- FENCE

REFERENCES:

- FOUNDATION PLAN 14020 FP2
- FOUNDATION DETAILS 14020 FD1-FD4
- OIL CONTAINMENT SYSTEM SECTIONS 14020 OC2 OF 3
- OIL CONTAINMENT SYSTEM DETAILS 14020 OC3 OF 3

NOTES:

1. THE CONTRACTOR SHALL AT ALL TIMES FULLY COMPLY WITH ALL OSHA STANDARDS AS WELL AS THE OWNER'S SAFETY STANDARDS, AS A MINIMUM, ESPECIALLY WITH REGARD TO SHORING OF ALL EXCAVATIONS. THE ENGINEER OR OWNER WILL IMMEDIATELY HALT CONSTRUCTION ACTIVITIES IF THE CONTRACTOR DOES NOT COMPLY WITH THESE STANDARDS. FAILURE TO IMMEDIATELY COMPLY WITH THESE STANDARDS WILL RESULT IN DISMISSAL FROM THE PROJECT.
2. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING COPIES OF OSHA STANDARDS AS WELL AS THE OWNER'S SAFETY STANDARDS. COPIES SHALL BE AVAILABLE ON SITE AT ALL TIMES DURING CONSTRUCTION.
3. THE OIL CONTAINMENT SYSTEM HAS BEEN DESIGNED TO CONTAIN THE ENTIRE VOLUME OF OIL IN THE SINGLE LARGEST CONTAINER, PLUS RAINFALL BASED ON LOCAL WEATHER RECORDS. HOWEVER, THE OIL CONTAINMENT IS NOT GUARANTEED IN THE EVENT OF AN EXPLOSIVE TYPE FAILURE WHERE OIL IS SPRAYED BEYOND THE PERIMETER OF THE CONTAINMENT BASIN.
4. ALL STRUCTURAL CONCRETE SHALL BE SUPPORTED ON FIRM UNDISTURBED EARTH OR COMPACTED FILL.
5. REINFORCING STEEL SHALL BE GRADE 60 ASTM A-615 OR A-617.
6. THE RODS SHALL BE LAPPED A MINIMUM OF 12".
7. CONCRETE SHALL BE 4500 P.S.I. MINIMUM AT 28 DAYS. CONCRETE SHALL BE AIR ENTRAINED WITH AN AIR CONTENT BETWEEN FOUR AND SIX PERCENT (5%-7%).
8. CONCRETE SLUMP SHALL MEET REQUIREMENTS OF FOUNDATION SPECIFICATIONS. THE CONTRACTOR SHALL MAKE OR HAVE MADE A MINIMUM OF ONE(1) SLUMP TEST, IN ACCORDANCE WITH ASTM C-143, FOR EACH TRUCKLOAD OF CONCRETE DELIVERED.
9. CONCRETE COVER OVER REINFORCING RODS SHALL BE THREE INCHES (3") MINIMUM, UNLESS OTHERWISE NOTED.
10. ALL CONCRETE TO BE THOROUGHLY VIBRATED DURING PLACEMENT INTO FORMS TO ENSURE ALL VOIDS ARE FILLED.
11. ALL WALLS SHALL BE CHAMFERED ONE INCH (1") AROUND ALL TOP EDGES.
12. AFTER INSTALLATION, THE OIL CONTAINMENT SYSTEM SHOULD BE CHECKED REGULARLY BY THE OWNER TO ENSURE ALL EQUIPMENT IS IN PROPER WORKING ORDER.
13. THE OIL SENSING DEVICE SHOULD BE TESTED REGULARLY BY THE OWNER ACCORDING TO MANUFACTURER'S INSTRUCTIONS AND REPLACED IF NECESSARY.
14. SEE DRAWING OC2 FOR TRANSFORMER PAD ELEVATIONS.
15. ALL LINES SHALL HAVE MINIMUM SLOPES AS INDICATED BY INVERT ELEVATIONS SHOWN ON DRAWING OC2.
16. OIL CONTAINMENT SYSTEM DESIGN SHOWN IS IN ACCORDANCE WITH RECOMMENDATIONS OF EPA 40 CFR 112.
17. ESTABLISH POSITIVE DRAIN TO OUTLETS. NOTE ELEVATIONS SHOWN IN PITS. SEE DRAWING OC2.
18. CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATIONS AND DEPTHS OF ANY EXISTING UNDERGROUND DUCT BANKS, CABLE TRENCHES, CONDUITS, CABLES ETC. TO ENSURE THAT THE EXISTING LOCATIONS AND DEPTHS DO NOT INTERFERE WITH THE INSTALLATION OF THE OIL CONTAINMENT SYSTEM.
19. ALL CONTROL/ELECTRICAL CONDUITS ARE TO BE SCHEDULE 40 PVC. SIZE AS SHOWN ON DRAWING.
20. CONTRACTOR IS RESPONSIBLE TO COORDINATE INSTALLATION OF ANY CONDUITS LOCATED UNDERNEATH OR PROTRUDING THROUGH FOUNDATIONS. SEE CONDUIT PLAN AND DETAILS FOR CONDUIT LOCATIONS.
21. A CONCRETE BONDING AGENT CONFORMING TO ASTM C1059 SHALL BE APPLIED TO ALL ROUGHENED SURFACES PRIOR TO PLACING FRESH CONCRETE.
22. THE CONTRACTOR SHALL PREPARE, OR HAVE PREPARED, IN ACCORDANCE WITH ASTM C-31, FIVE (5) TEST CYLINDERS FROM EACH TRUCKLOAD OF CONCRETE DELIVERED TO THE SITE. WITHIN 20-24 HOURS AFTER BEING PREPARED, THE CYLINDERS SHALL BE DELIVERED TO A QUALIFIED TESTING LABORATORY AND TESTED IN ACCORDANCE WITH THE CONCRETE SPECIFICATIONS AND ASTM C-39. TEST RESULTS ARE TO BE PROVIDED TO THE ENGINEER FOR EVALUATION AND DIRECTION OF CORRECTIVE ACTION IF NEEDED.
23. THE CONTRACTOR SHALL MEET OR EXCEED ALL REQUIREMENTS OF THE CONCRETE SPECIFICATIONS.



OIL CONTAINMENT PLAN
SCALE: 1/16" = 1'-0"

<p>11/28/2018</p>	GREENVILLE UTILITIES GREENVILLE, NORTH CAROLINA		
	GREENVILLE WEST 230kV TO 115kV SUBSTATION OIL CONTAINMENT PLAN		
	Booth & Associates, LLC <small>REGISTERED PROFESSIONAL ENGINEERS</small>		
	DWN. AG	DATE: 11/28/18	DWG. NO.
0	ISSUED FOR BIDS 11/28/18	O01	O01
NO.	REVISIONS	DATE	SCALE: AS NOTED
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