



August 3, 2026

Planning & Inspections Department
153 Courthouse Road, Suite 110
Currituck, North Carolina 27929
252-232-3055
FAX 252-232-3026
RE: New Bridge Creek Subdivision

In response to the Technical Review Committee Comments dated June 22, 2026, the following items are enclosed with this submittal:

- This Response Letter
- Updated Subdivision Plan
- Response to McAdams Comments
- Updated Drainage Report and SWMM Models

The review comments have been addressed, and the responses are as follows:

Planning (Jason Litteral)

1. An approved state stormwater permit is required prior to approval of construction drawings.
Response: The state stormwater permit has been issued and is attached.
2. An NCDOT encroachment/driveway permit is required prior to approval of constructions drawings.
Response: NCDOT has indicated that the permit application is still under review.
3. Please add the finished floor elevations to the plans.
Response: Noted on sheets CG101-105 the minimum finished floor elevations are equal to the building pad elevations shown.
4. Show the locations of all signage: development entrance, no parking, street signs, stop signs.
Response: Updated signage is shown on sheet CL101.
5. Please add site triangles.
Response: Site triangles are shown on sheet CL101
6. Were there previous discussions regarding Recreation and Park Area Dedication?
Response: Yes; a 0.9-acre parcel was offered to Currituck County at the preliminary plat stage and was not accepted, so a fee-in-lieu will be paid at the final plat stage.

7. The development shall adhere to the Special Use Permit conditions of approval below:

Special Use Permit Approval Conditions

1. The installation of the vegetative buffer between the subdivision and the northern property will be completed at Phase 1.
2. Applicant's submitted phasing schedule below shall be adhered to:

The New Bridge Creek development plan has 35 lots to be built in 3 phases.

- Phase 1 is expected to start site work in late 2025, with Phases 2 and 3 to commence one year apart.
- Based on the Tischler Report methodology that the County uses to estimate student population, the project will generate a total of 8 elementary school children at full buildout (0.25 elementary children per dwelling unit.)

New Bridge Creek- Student Enrollment					
Phase	# of Lots	Students	Earliest Recordation	Students Matriculate	Cumulative New Students
1	12	3	April 2026	October 2026	3
2	12	3	April 2027	October 2027	6
3	11	2	April 2028	October 2028	8
Totals	35	8			

Response: On CL101 the northern buffer plantings are now noted to be completed in phase 1. On the cover sheet (C-001) a phasing summary consisting of the # of lots & earliest recordation has been added to the development notes, in accordance with the approved phasing schedule.

Currituck County Building and Fire Inspections (Ron Schaecher, 252-232-6020)

Response: A temporary fire hammerhead has been added to phase 1, please see sheet CD101.

Currituck County GIS (Daniel Constanza 252-232-4039)

1. New Bridge Creek Rd, Cowells Creek Dr, & Bellows Bay Dr are all approved street names. GIS will assign addresses at final plat.

Response: We will add street addresses at the next stage after they have been assigned.

2. The easement set to become New Bridge Creek Rd and Bellows Bay Drive will remain the lone access for the homes of 1689 A-D & F Caratoke Highway. Would suggest keeping a sign at Caratoke Hwy & New Bridge Creek Rd and adding one at the intersection of New Bridge Creek Rd & Bellows Bay Dr.

Response: An additional sign arm is being proposed at the main entrance to identify these existing lots.

Currituck Water Department (Brian Cafferello 252-455-4975)

1. I would like to see a more detail plan of the water utility.

Response: More detail is shown on the plan/profile sheets, including valves, fittings, hydrants, service connections and a specific legend for the waterline installation. is this sufficient detail?

2. No water main valves, meters/service lines, hydrants are in the details.

Response: A reference has been made on the plan sheets to Currituck County's approved standard specifications, which include these details. We have not been duplicating these details on the construction drawings, as the contractors who are doing this work should have them.

3. if there are plans for a three-phase approval there will need to be inline water main valves separating the phases for each phase approvals.

Response: An in line water valve has been added at approximately station 32+66.30 on Cowells creek drive.

Currituck County Planning & Inspections Department
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Currituck County Parks and Recreation (Jason Weeks, 252-232-3007)

Approved

Stormwater Consultant, McAdams (Daniel Wiebke, 919-361-5000)

Comments from McAdams will be forwarded when they are received.

Response: Comments from McAdams were received. The stormwater report has been updated per the comments and is attached along with the response to the McAdams comments. Copies of the SWMM models are included as requested.

Soil and Water Conservation (John Morrow, 252-232-3360)

1. I would recommend checking with Stormwater Technician as this is in the Special Tax District of Moyock.

Response: It is acknowledged that this subdivision is in the Special Tax District.

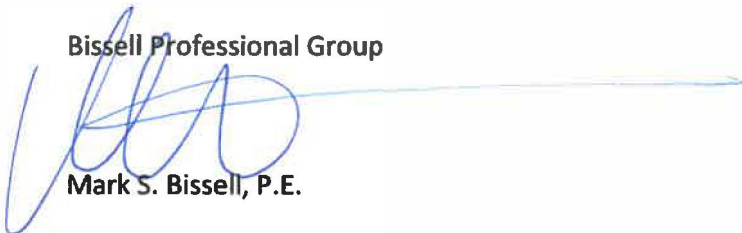
The following items are necessary for resubmittal:

- 1- PDF digital copy of all revised documents and plans.

A pdf digital copy of all plans and documents is included with this response.

Sincerely,

Bissell Professional Group

A handwritten signature in blue ink, appearing to be 'Mark S. Bissell', is written over the printed name. A long, thin horizontal line extends from the end of the signature across the page.

Mark S. Bissell, P.E.

CONSTRUCTION DRAWINGS OF
NEW BRIDGE CREEK
A 35 LOT RESIDENTIAL SUBDIVISION
MOYOCK TOWNSHIP CURRITUCK COUNTY NORTH CAROLINA

SHEET INDEX

DEVELOPMENT NOTES:

1. TOTAL PROJECT AREA: 99.67 AC.
TOTAL PROPERTY AREA: 104.09 AC.
TOTAL ACCE WETLANDS: 47.51 AC.
TOTAL CAMA WETLANDS: 4.42 AC.
2. DEVELOPMENT SUMMARY
PROPOSED LOT AREA: ±24.71 AC.
PROPOSED R/W AREA: ±4.36 AC.
PROPOSED OPEN SPACE AREA: ±70.60 AC.
OF PROPOSED SINGLE FAMILY LOTS: 35
PROPOSED RIGHT-OF-WAY WIDTH: 50' TYP.
PROPOSED PAVED ROADWAY WIDTH: 20' TYP.
LINEAR FEET OF SUBDIVISION ROADWAY: ±3,823 L.F.
3. IMPERVIOUS COVERAGE DATA (BUA):
MAXIMUM TOTAL LOT COVERAGE: 269,990 SF (7,714 SF PER LOT)
ROADWAY: 77,797 SF
PARKING: 6,432 SF
SIDEWALKS: 41,534 SF
MISC. AMENITIES: 4,636 SF
TOTAL COVERAGE: 400,389 SF (9.2%)
4. DISTURBED AREA SUMMARY:
PROPERTY AREA DISTURBED: 35.58 AC±
R/W AREA DISTURBED: 4.36 AC±
OFFSITE AREA DISTURBED: 0.98 AC±
TOTAL DISTURBED AREA: 40.92 AC±
5. PHASING SUMMARY:
OF LOTS, EARLIEST RECORDATION
PHASE 1: 12, APRIL 2026
PHASE 2: 12, APRIL 2027
PHASE 3: 11, APRIL 2028

GENERAL NOTES:

1. PROJECT NAME: NEW BRIDGE CREEK CONSERVATION SUBDIVISION
2. OWNER/APPLICANT: NEW BRIDGE CREEK, LLC
C/O JERRY OLD, AGENT
101 OAK STREET
MOYOCK, NC 27958
3. PROPERTY DATA:
PARCEL ID# 0031-0000-640-0000, 0031-0000-64C-0000, 0031-0000-64K-0000,
0031-0000-64L-0000, 0031-0000-64M-0000 & 0031-0000-64N-0000
PRIMARY ADDRESS: CARATOKE HWY., MOYOCK, NC
RECORDED REFERENCES: D.B. 1491, PG. 790, P.C. 0, SL. 168
PROPERTY ZONING: AG - AGRICULTURAL
4. F.I.R.M. DATA:
ZONES X, SHADED X & AE (4') PER F.E.M.A. F.I.R.M. MAP NUMBER 3721804000 K, EFFECTIVE DATE
DECEMBER 21, 2018. USE OF LAND WITHIN A FLOODWAY OR FLOOD PLAIN IS SUBSTANTIALLY RESTRICTED
BY CHAPTER 7 OF THE CURRITUCK COUNTY UNIFIED DEVELOPMENT ORDINANCE.
5. THIS PROPERTY CONTAINS ACCE "404" JURISDICTIONAL WETLANDS AS SHOWN AND CONFIRMED BY USACE ACTION
ID# SAW 2018-00505, DATED SEPTEMBER 7, 2018, AND MAY REQUIRE U.S. CORP OF ENGINEERS APPROVAL PRIOR
TO DEVELOPMENT OF THE PROPERTY.
6. A 10' EASEMENT FOR UTILITIES AND DRAINAGE ALONG REAR AND SIDE PROPERTY LINES AND A 20' EASEMENT
FOR UTILITIES, DRAINAGE, WALKWAYS & STREET TREES ALONG FRONT PROPERTY LINE IS HEREBY ESTABLISHED.
7. A DRAINAGE EASEMENT SHALL BE ESTABLISHED ALONG ALL MAJOR DRAINAGE WAYS SERVING MORE THAN 5
ACRES, THAT INCLUDES THE CONVEYANCE PLUS 25' FROM THE TOP OF BANK. A BLANKET DRAINAGE, UTILITY,
AND PEDESTRIAN ACCESS EASEMENT IS HEREBY ESTABLISHED ACROSS ALL OPEN SPACE AREAS.
8. EXISTING CONDITION INFORMATION BASED ON A COMBINATION OF THE FOLLOWING:
• 2012 AERIAL IMAGERY OBTAINED FROM NCONEMAP.COM
• FIELD TOPOGRAPHIC SURVEY DATA BY LIDAR OBTAINED FROM NC FLOOD RISK INFORMATION SYSTEM.
• LAND DEVELOPMENT PLANS BY QUIBLE & ASSOCIATES, P.C., COMMISSION # P17079,
DATED 09/13/19.
• ELEVATIONS ARE REFERENCED TO NAVD 1988 VERTICAL DATUM.
10. SECTION 7.6.5 OF THE CURRITUCK U.D.O. SUBSTANTIALLY RESTRICTS DEVELOPMENT WITHIN A 30' RIPARIAN
BUFFER.
11. ALL UTILITIES ARE TO BE UNDERGROUND.
12. NEAREST HYDRANT (MEC21) FLOW TESTED AT 839 GPM. DESIGN FIRE FLOW IS 500 GPM FOR SINGLE FAMILY
RESIDENCES BASED ON STRUCTURES HAVING LESS THAN 4,800 SQ. FT. AND NOT OVER 2-STORIES HIGH. NFF
FOR MULTI-FAMILY STRUCTURES IS BASED ON ISO STANDARDS.



LOCATION MAP
SCALE : 1"= 5,000'



SURVEY LEGEND

SCM	SET CONCRETE MONUMENT
ECM	EXISTING CONCRETE MONUMENT
SIR	SET IRON ROD
EIR	EXISTING IRON ROD
EIP	EXISTING IRON PIPE
CP	CALCULATED POINT
M.B.L.	MAXIMUM BUILDING LIMIT
N.T.S.	NOT TO SCALE
P.C.	PLAT CABINET
D.B.	DEED BOOK
SL	SLIDE
SF	SQUARE FEET
AC	ACRES

STORMWATER CERTIFICATE

I, _____, OWNER/AGENT HEREBY CERTIFY THE INFORMATION INCLUDED ON THIS AND ATTACHED PAGES IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

ON THE PLAN ENTITLED, CONSTRUCTION DRAWINGS OF NEW BRIDGE CREEK - A 35 LOT RESIDENTIAL SUBDIVISION, STORMWATER DRAINAGE IMPROVEMENTS SHALL BE INSTALLED ACCORDING TO THESE PLANS AND SPECIFICATIONS AND APPROVED BY CURRITUCK COUNTY. YEARLY INSPECTIONS ARE REQUIRED AS PART OF THE STORMWATER PLAN. THE OWNER IS RESPONSIBLE FOR ALL MAINTENANCE REQUIRED. CURRITUCK COUNTY ASSUMES NO RESPONSIBILITY FOR THE DESIGN, MAINTENANCE, OR PERFORMANCE OF THE STORMWATER IMPROVEMENTS.

DATE

OWNER/AGENT

PLAN STATUS

DATE	INITIAL	DESCRIPTION
06/11/2025	JTP	1st SUBMITTAL
01/08/2026	DMW	2nd SUBMITTAL
03/17/2026	DMW	3rd SUBMITTAL
06/09/2026	DMW	2nd NCDEQ E&S SUBMITTAL
07/30/2026	DMW	2nd COUNTY & MCADAMS SUBMITTAL

NEW
BRIDGE
CREEK

C-001

1 of 32 Sheets

PROJ. NO.: 24102

CIVIL LEGEND

EXISTING		NEW
○	MANHOLE	●
□	SANITARY CLEANOUT	■
○	VALVE	●
□	WATER METER	●
⊕	FIRE HYDRANT	⊕
⊕	WELL	⊕
⊕	DROP INLET	⊕
⊕	CURB INLET	⊕
⊕	GAS METER	⊕
⊕	POWER POLE	⊕
⊕	LIGHT POLE	⊕
⊕	LIGHT POLE /CONCRETE BASE	⊕
⊕	PEDESTAL	⊕
=====	CURB AND GUTTER	=====
-x-x-	FENCE	-x-x-
=====	PROPERTY LINE	=====
=====	BUILDINGS	=====
ST	STORM SEWER	ST
SS	SANITARY SEWER	SS
W	WATER	W
OHT	ELECTRIC & TELEPHONE LINE	OHT
UGT	TRAFFIC BOX	UGT
○	SIGN	○
○	TREE	○
○	BUSH	○
=====	PAVEMENT	=====
=====	CONCRETE	=====
⊕	TEMPORARY BENCHMARK (TBM)	⊕
10.00	ELEVATIONS	10.00
TC 10.50	TOP OF CURB ELEVATIONS	TC 10.50
10.00		10.00
TW 10.50	TOP OF WALK ELEVATIONS	TW 10.50
10.00		10.00
=====	TOP OF BANK	=====
=====	TOP OF SLOPE	=====
=====	OF DITCH	=====
=====	OF SWALE	=====

North Carolina
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A STORMWATER MAINTENANCE AND ACCESS EASEMENT ACROSS ALL OPEN SPACE IS TO BE GRANTED TO WILSON RIDGE HOMEOWNERS ASSOCIATION AND TO NORTH CAROLINA DEPARTMENT OF ENVIRONMENTAL QUALITY (NCDEQ). NCDEQ WILL NOT ASSUME RESPONSIBILITY FOR MAINTENANCE OF STORMWATER APPURTENANCES. OPERATION AND MAINTENANCE REMAIN THE RESPONSIBILITY OF THE WILSON RIDGE HOMEOWNERS ASSOCIATION, THEIR SUCCESSORS AND ASSIGNS.

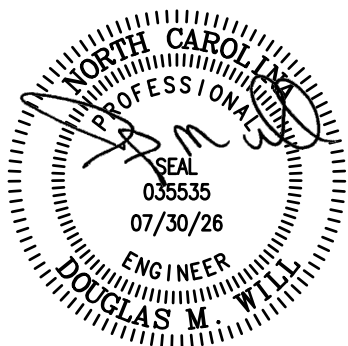
NOTE:

EXISTING SITE INFORMATION DESCRIBED HEREON IS BELIEVED TO BE ACCURATE, HOWEVER, BPG INC. MAKES NO WARRANTY AS TO THE ACCURACY. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THIS INFORMATION BEFORE RELYING ON IT. THE CONTENT OF THESE DOCUMENTS MAY ALSO INCLUDE TECHNICAL INACCURACIES OR TYPOGRAPHICAL ERRORS. IF SUCH CONDITIONS EXIST, THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER PRIOR TO PROCEEDING WITH THE SCHEDULED WORK AND MAY CONTINUE AFTER AN AUTHORIZATION TO PROCEED HAS BEEN GRANTED.



ENGINEERS | SCIENTISTS | SURVEYORS

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FINAL DESIGN
NOT RELEASED FOR
CONSTRUCTION

1. NEW BRIDGE CREEK SUBDIVISION IS TO BE CONSTRUCTED IN THREE PHASES. PHASES ARE DENOTED ON THE PLANS.
2. ALL MATERIALS EXCAVATED OVER THE COURSE OF CONSTRUCTION SHALL REMAIN ON THE PROJECT SITE. THIS MATERIAL SHALL BE USED FOR FILLING EXISTING DITCHES, CONSTRUCTION OF ROADWAYS AND PREPARING THE RESIDENTIAL LOTS AS ILLUSTRATED ON THE GRADING PLANS. IF NECESSARY, EXCAVATED MATERIALS REMAINING AT THE END OF CONSTRUCTION MAY BE DISPOSED OF OFF-SITE AT AN APPROVED AND PERMITTED BORROW PIT.
3. OFF-SITE BORROW, IF NECESSARY, MUST BE OBTAINED FROM AN APPROVED AND PERMITTED BORROW PIT.
4. NO GREATER THAN 20 ACRES OF LAND SHALL BE DISTURBED AT ONE TIME. CONSTRUCTION AND STABILIZATION ACTIVITIES SHALL, TO THE MAXIMUM EXTENT PRACTICABLE, BE SCHEDULED ACCORDINGLY.
5. THE FOLLOWING PROVIDES AN ESTIMATED MATERIAL BALANCE OF THIS PROJECT:

6. *THE VALUES ARE GROSS ESTIMATES AND ARE PROVIDED FOR PERMITTING PURPOSES ONLY. COMPACTION AND SUITABILITY OF SOILS FOR USE IN CONSTRUCTION ARE NOT CONSIDERED AND ADDITIONAL MATERIAL MAY BE NECESSARY. CONTRACTORS SHALL NOT RELY UPON THESE ESTIMATES AND SHOULD DETERMINE THEIR OWN MATERIAL NEEDED FOR CONSTRUCTION.

DURING CONSTRUCTION, POND #1 & POND #2 SHALL BE UTILIZED AS AN EROSION & SEDIMENT CONTROL SEDIMENT BASIN. AFTER CONSTRUCTION IS COMPLETE AND THE SITE IS PROPERLY STABILIZED THE POND SHALL BE CLEANED AND RESTORED TO ITS DESIGN SPECIFICATIONS AND THE BANKS PERMANENTLY STABILIZED WITHIN 7 DAYS.

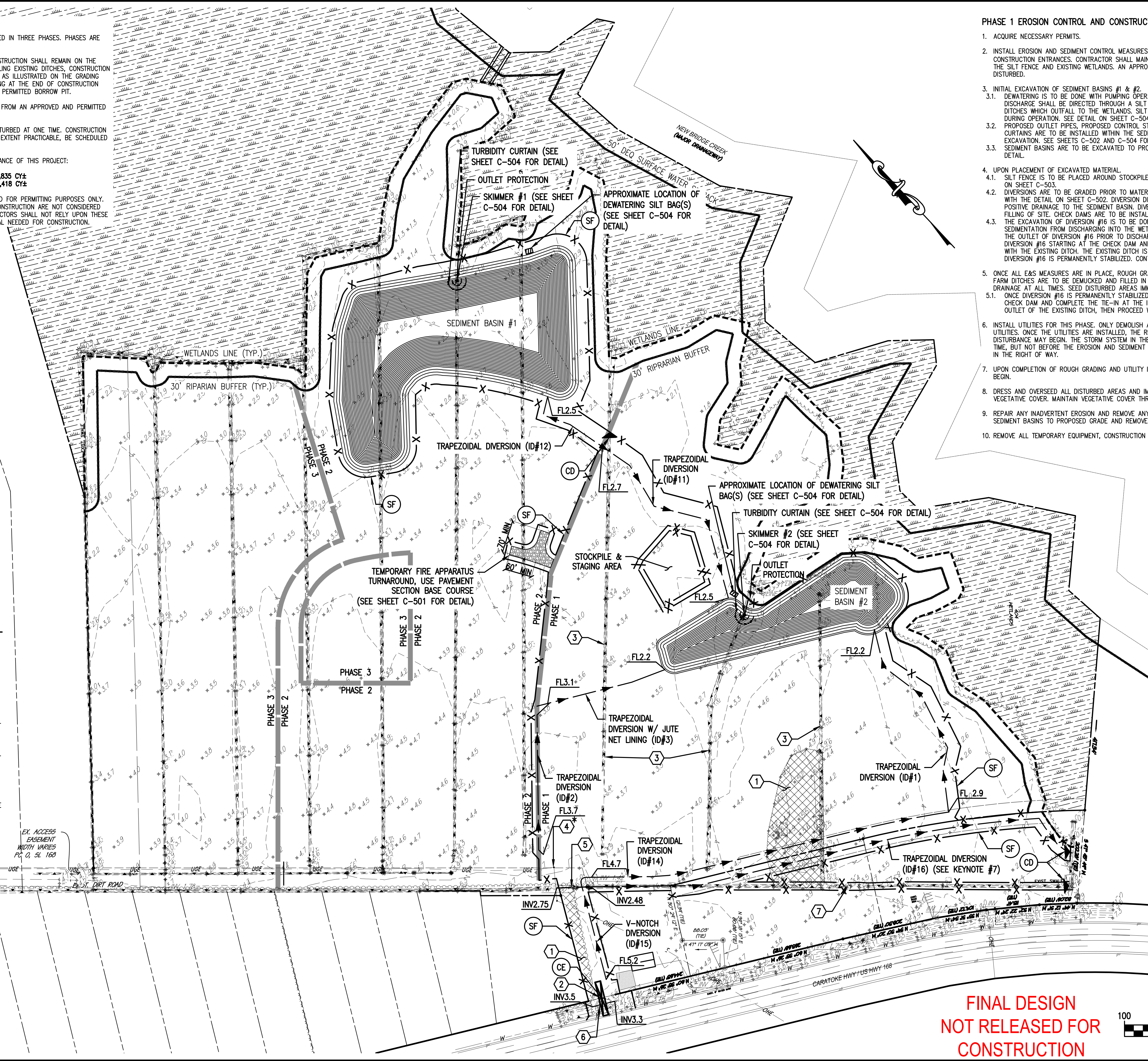
EXISTING DITCHES NOTED AS BEING FILLED SHALL BE DEMUCKED AND BACKFILLED WITH CLEAN, COMPACTED SELECT MATERIAL. DITCH FILLING SHALL COINCIDE WITH DRAINAGE PATTERNS AND EROSION CONTROL MEASURES AS PROVIDED IN THESE PLANS

EXISTING DITCHES LOCATED TOTALLY OR PARTIALLY WITHIN A DEVELOPMENT AND UTILIZED FOR DRAINAGE OF STORMWATER MANAGEMENT SHALL BE CLEANED TO REMOVE DRAINAGE IMPEDIMENTS.

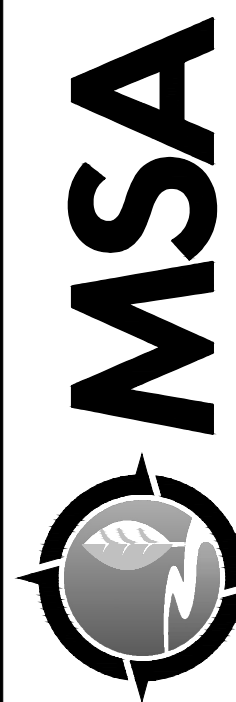
PLACEMENT OF EXCAVATED MATERIAL EITHER DIRECTLY ON THE LOTS OR IN A STOCKPILE WILL BE AT THE DISCRETION OF THE CONTRACTOR. ALL STOCKPILES SHALL INCORPORATE EROSION CONTROL MEASURES IN ACCORDANCE WITH NCDEQ REQUIREMENTS.

1. REMOVE TREES, CLEAR & GRUB
2. REMOVE HYDRANT. CAP AND ABANDON HYDRANT SERVICE LINE.
3. DE-MUCK AND BACKFILL DITCH
4. *COORDINATE WITH DOMINION POWER FOR RELOCATION OF POWER POLE AND UNDERGROUND CONDUIT PLACEMENT
5. PROPOSED 74 LF 18" CLASS V RCP (REFER TO SHEET CG101 FOR STORM SCHEDULE AND SHEET CG105 FOR PLAN DETAIL)
6. PROPOSED 48 LF 18" CLASS V RCP (REFER TO SHEET CG101 FOR STORM SCHEDULE AND SHEET CG105 FOR PLAN DETAIL)
7. DE-MUCK AND BACKFILL EXISTING DITCH IN COORDINATION WITH EXCAVATION OF DIVERSION #16. (REFER TO PHASE 1 CONSTRUCTION SEQUENCING NOTE 4.3 & 5.1)

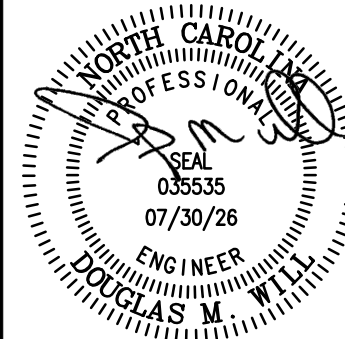
<u>DESCRIPTION</u>	<u>SYMBOL</u>
SILT FENCE (DENOTES LOD)	
CONSTRUCTION ENTRANCE	
TREE PROTECTION	
CHECK DAM	



2. INSTALL EROSION AND SEDIMENT CONTROL MEASURES CONSISTING INITIALLY OF SILT FENCE AND CONSTRUCTION ENTRANCES. CONTRACTOR SHALL MAINTAIN A MINIMUM 3' SEPARATION BETWEEN THE SILT FENCE AND EXISTING WETLANDS. AN APPROXIMATE TOTAL OF 20.00 ACRES ARE TO BE DISTURBED.
3. INITIAL EXCAVATION OF SEDIMENT BASINS #1 & #2.
 - 3.1. Dewatering is to be done with pumping operations located within the skimmer cell. Discharge shall be directed through a silt bag with runoff directed to existing ditches which outfall to the wetlands. Silt bag is to be continuously monitored during operation. See detail on sheet C-504 for detail.
 - 3.2. Proposed outlet pipes, proposed control structures, skimmers, and turbidity curbs are to be installed within the sediment basins concurrently with excavation. See sheets C-502 and C-504 for detail.
4. SEDIMENT BASINS ARE TO BE EXCAVATED TO PROPOSED GRADE. SEE SHEET C-502 FOR DETAIL.
- 4.1. UPON PLACEMENT OF EXCAVATED MATERIAL.
 - 4.1.1. SILT FENCE IS TO BE PLACED AROUND STOCKPILE AREAS IN ACCORDANCE WITH THE DETAIL ON SHEET C-503.
 - 4.2. DIVERSIONS ARE TO BE GRADED PRIOR TO MATERIAL PLACEMENT ON LOTS IN ACCORDANCE WITH THE DETAIL ON SHEET C-502. DIVERSION DIKES ARE TO BE GRADED TO PROVIDE POSITIVE DRAINAGE TO THE SEDIMENT BASIN. DIVERSION DEPTHS WILL BE VARIABLE DUE TO FILLING OF SITE. CHECK DAMS ARE TO BE INSTALLED WITH EXISTING DITCHES.
 - 4.3. THE EXCAVATION OF DIVERSION #16 IS TO BE DONE IN A MANNER TO PREVENT SEDIMENTATION FROM DISCHARGING INTO THE WETLANDS. INSTALL A ROCK CHECK DAM AT THE OUTLET OF DIVERSION #16 PRIOR TO DISCHARGE INTO THE WETLANDS. CONSTRUCT DIVERSION #16 STARTING AT THE CHECK DAM AND PROGRESSING UPSTREAM TO THE TIE-IN WITH THE EXISTING DITCH. THE EXISTING DITCH IS TO NOT BE DEMUCKED AND FILLED UNTIL DIVERSION #16 IS PERMANENTLY STABILIZED. CONTINUATION IS NOTED IN GENERAL NOTE 3.1.
5. ONCE ALL E&S MEASURES ARE IN PLACE, ROUGH GRADE IN ACCORDANCE WITH PLANS. EXISTING FARM DITCHES ARE TO BE DEMUCKED AND FILLED IN A MANNER TO MAINTAIN TEMPORARY DRAINAGE AT ALL TIMES. SEED DISTURBED AREAS IMMEDIATELY AFTER GRADING.
6. ONCE PERMANENTLY STABILIZED AND FREE OF TURBID FLOW, REMOVE THE CHECK DAM AND COMPLETE THE TIE-IN AT THE INLET. INSTALL THE CHECK DAM AT THE OUTLET OF THE EXISTING DITCH, THEN PROCEED WITH FINAL DEMUCKING AND BACKFILLING.
6. INSTALL UTILITIES FOR THIS PHASE. ONLY DEMOLISH AND DISTURB AREAS NEEDED TO INSTALL UTILITIES. ONCE THE UTILITIES ARE INSTALLED, THE REMAINING DEMOLITION ITEMS AND DISTURBANCE MAY BEGIN. THE STORM SYSTEM IN THE RIGHT OF WAY MAY BE INSTALLED AT ANY TIME, BUT NOT BEFORE THE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED IN THE RIGHT OF WAY.
7. UPON COMPLETION OF ROUGH GRADING AND UTILITY INSTALLATION, PAVING OPERATIONS MAY BEGIN.
8. DRESS AND OVERSEED ALL DISTURBED AREAS AND IMMEDIATELY ESTABLISH PERMANENT VEGETATIVE COVER. MAINTAIN VEGETATIVE COVER THROUGHOUT DURATION OF PROJECT.
9. REPAIR ANY INADVERTENT EROSION AND REMOVE ANY INADVERTENT SEDIMENTATION. CLEANOUT SEDIMENT BASINS TO PROPOSED GRADE AND REMOVE SKIMMERS.
10. REMOVE ALL TEMPORARY EQUIPMENT, CONSTRUCTION MATERIALS AND DEBRIS FROM THE SITE.



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DESIGNED	ENL
DRAWN	ENL
CHECKED	DMW
APPROVED	DMW
DATE	07/30/26

2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996	1995	1994	1993	1992	1991	1990	1989	1988	1987	1986	1985	1984	1983	1982	1981	1980	1979	1978	1977	1976	1975	1974	1973	1972	1971	1970	1969	1968	1967	1966	1965	1964	1963	1962	1961	1960	1959	1958	1957	1956	1955	1954	1953	1952	1951	1950	1949	1948	1947	1946	1945	1944	1943	1942	1941	1940	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930	1929	1928	1927	1926	1925	1924	1923	1922	1921	1920	1919	1918	1917	1916	1915	1914	1913	1912	1911	1910	1909	1908	1907	1906	1905	1904	1903	1902	1901	1900	1899	1898	1897	1896	1895	1894	1893	1892	1891	1890	1889	1888	1887	1886	1885	1884	1883	1882	1881	1880	1879	1878	1877	1876	1875	1874	1873	1872	1871	1870	1869	1868	1867	1866	1865	1864	1863	1862	1861	1860	1859	1858	1857	1856	1855	1854	1853	1852	1851	1850	1849	1848	1847	1846	1845	1844	1843	1842	1841	1840	1839	1838	1837	1836	1835	1834	1833	1832	1831	1830	1829	1828	1827	1826	1825	1824	1823	1822	1821	1820	1819	1818	1817	1816	1815	1814	1813	1812	1811	1810	1809	1808	1807	1806	1805	1804	1803	1802	1801	1800	1799	1798	1797	1796	1795	1794	1793	1792	1791	1790	1789	1788	1787	1786	1785	1784	1783	1782	1781	1780	1779	1778	1777	1776	1775	1774	1773	1772	1771	1770	1769	1768	1767	1766	1765	1764	1763	1762	1761	1760	1759	1758	1757	1756	1755	1754	1753	1752	1751	1750	1749	1748	1747	1746	1745	1744	1743	1742	1741	1740	1739	1738	1737	1736	1735	1734	1733	1732	1731	1730	1729	1728	1727	1726	1725	1724	1723	1722	1721	1720	1719	1718	1717	1716	1715	1714	1713	1712	1711	1710	1709	1708	1707	1706	1705	1704	1703	1702	1701	1700	1699	1698	1697	1696	1695	1694	1693	1692	1691	1690	1689	1688	1687	1686	1685	1684	1683	1682	1681	1680	1679	1678	1677	1676	1675	1674	1673	1672	1671	1670	1669	1668	1667	1666	1665	1664	1663	1662	1661	1660	1659	1658	1657	1656	1655	1654	1653	1652	1651	1650	1649	1648	1647	1646	1645	1644	1643	1642	1641	1640	1639	1638	1637	1636	1635	1634	1633	1632	1631	1630	1629	1628	1627	1626	1625	1624	1623	1622	1621	1620	1619	1618	1617	1616	1615	1614	1613	1612	1611	1610	1609	1608	1607	1606	1605	1604	1603	1602	1601	1600	1599	1598	1597	1596	1595	1594	1593	1592	1591	1590	1589	1588	1587	1586	1585	1584	1583	1582	1581	1580	1579	1578	1577	1576	1575	1574	1573	1572	1571	1570	1569	1568	1567	1566	1565	1564	1563	1562	1561	1560	1559	1558	1557	1556	1555	1554	1553	1552	1551	1550	1549	1548	1547	1546	1545	1544	1543	1542	1541	1540	1539	1538	1537	1536	1535	1534	1533	1532	1531	1530	1529	1528	1527	1526	1525	1524	1523	1522	1521	1520	1519	1518	1517	1516	1515	1514	1513	1512	1511	1510	1509	1508	1507	1506	1505	1504	1503	1502	1501	1500	1499	1498	1497	1496	1495	1494	1493	1492	1491	1490	1489	1488	1487	1486	1485	1484	1483	1482	1481	1480	1479	1478	1477	1476	1475	1474	1473	1472	1471	1470	1469	1468	1467	1466	1465	1464	1463	1462	1461	1460	1459	1458	1457	1456	1455	1454	1453	1452	1451	1450	1449	1448	1447	1446	1445	1444	1443	1442	1441	1440	1439	1438	1437	1436	1435	1434	1433	1432	1431	1430	1429	1428	1427	1426	1425	1424	1423	1422	1421	1420	1419	1418	1417	1416	1415	1414	1413	1412	1411	1410	1409	1408	1407	1406	1405	1404	1403	1402	1401	1400	1399	1398	1397	1396	1395	1394	1393	1392	1391	1390	1389	1388	1387	1386	1385	1384	1383	1382	1381	1380	1379	1378	1377	1376	1375	1374	1373	1372	1371	1370	1369	1368	1367	1366	1365	1364	1363	1362	1361	1360	1359	1358	1357	1356	1355	1354	1353	1352	1351	1350	1349	1348	1347	1346	1345	1344	1343	1342	1341	1340	1339	1338	1337	1336	1335	1334	1333	1332	1331	1330	1329	1328	1327	1326	1325	1324	1323	1322	1321	1320	1319	1318	1317	1316	1315	1314	1313	1312	1311	1310	1309	1308	1307	1306	1305	1304	1303	1302	1301	1300	1299	1298	1297	1296	1295	1294	1293	1292	1291	1290	1289	1288	1287	1286	1285	1284	1283	1282	1281	1280	1279	1278	1277	1276	1275	1274	1273	1272	1271	1270	1269	1268	1267	1266	1265	1264	1263	1262	1261	1260	1259	1258	1257	1256	1255	1254	1253	1252	1251	1250	1249	1248	1247	1246	1245	1244	1243	1242	1241	1240	1239	1238	1237	1236	1235	1234	1233	1232	1231	1230	1229	1228	1227	1226	1225	1224	1223	1222	1221	1220	1219	1218	1217	1216	1215	1214	1213	1212	1211	1210	1209	1208	1207	1206	1205	1204	1203	1202	1201	1200	1199	1198	1197	1196	1195	1194	1193	1192	1191	1190	1189	1188	1187	1186	1185	1184	1183	1182	1181	1180	1179	1178	1177	1176	1175	1174	1173	1172	1171	1170	1169	1168	1167	1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143	1142	1141	1140	1139	1138	1137	1136	1135	1134	1133	1132	1131	1130	1129	1128	1127	1126	1125	1124	1123	1122	1121	1120	1119	1118	1117	1116	1115	1114	1113	1112	1111	1110	1109	1108	1107	1106	1105	1104	1103	1102	1101	1100	1099	1098	1097	1096	1095	1094	1093	1092	1091	1090	1089	1088	1087	1086	1085	1084	1083	1082	1081	1080	1079	1078	1077	1076	1075	1074	1073	1072	1071	1070	1069	1068	1067	1066	1065	1064	1063	1062	1061	1060	1059	1058	1057	1056	1055	1054	1053	1052	1051	1050	1049	1048	1047	1046	1045	1044	1043	1042	1041	1040	1039	1038	1037	1036	1035	1034	1033	1032	1031	1030	1029	1028	1027	1026	1025	1024	1023	1022	1021	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CURRITUCK COUNTY, NORTH CAROLINA

MOYOCK TOWNSHIP

DEMOLITION, EROSION & SEDIMENT CONTROL PLAN (PHASE 1)

NEW BRIDGE CREEK

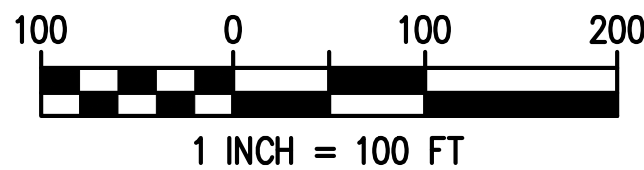
SHEET

CD101

SCALE: 1" = 100'

PROJ. NO.: 24102

FINAL DESIGN
NOT RELEASED FOR
CONSTRUCTION



1. NEW BRIDGE CREEK SUBDIVISION IS TO BE CONSTRUCTED IN THREE PHASES. PHASES ARE DENOTED ON THE PLANS.
2. ALL MATERIALS EXCAVATED OVER THE COURSE OF CONSTRUCTION SHALL REMAIN ON THE PROJECT SITE. THIS MATERIAL SHALL BE USED FOR FILLING EXISTING DITCHES, CONSTRUCTION OF ROADWAYS AND PREPARING THE RESIDENTIAL LOTS AS ILLUSTRATED ON THE GRADING PLANS. IF NECESSARY, EXCAVATED MATERIALS REMAINING AT THE END OF CONSTRUCTION MAY BE DISPOSED OF OFF-SITE AT AN APPROVED AND PERMITTED BORROW PIT.
3. OFF-SITE BORROW, IF NECESSARY, MUST BE OBTAINED FROM AN APPROVED AND PERMITTED BORROW PIT.
4. NO GREATER THAN 20 ACRES OF LAND SHALL BE DISTURBED AT ONE TIME. CONSTRUCTION AND STABILIZATION ACTIVITIES SHALL, TO THE MAXIMUM EXTENT PRACTICABLE, BE SCHEDULED ACCORDINGLY.
5. THE FOLLOWING PROVIDES AN ESTIMATED MATERIAL BALANCE OF THIS PROJECT:

APPROXIMATE CUT VOLUME: 75,835 CY±
APPROXIMATE FILL VOLUME: 69,418 CY±

6. *THE VALUES ARE GROSS ESTIMATES AND ARE PROVIDED FOR PERMITTING PURPOSES ONLY. COMPACTION AND SUITABILITY OF SOILS FOR USE IN CONSTRUCTION ARE NOT CONSIDERED AND ADDITIONAL MATERIAL MAY BE NECESSARY. CONTRACTORS SHALL NOT RELY UPON THESE ESTIMATES AND SHOULD DETERMINE THEIR OWN MATERIAL NEEDED FOR CONSTRUCTION.

DURING CONSTRUCTION, POND #1 & POND #2 SHALL BE UTILIZED AS AN EROSION & SEDIMENT CONTROL SEDIMENT BASIN. AFTER CONSTRUCTION IS COMPLETE AND THE SITE IS PROPERLY STABILIZED THE POND SHALL BE CLEANED AND RESTORED TO ITS DESIGN SPECIFICATIONS AND THE BANKS PERMANENTLY STABILIZED WITHIN 7 DAYS.

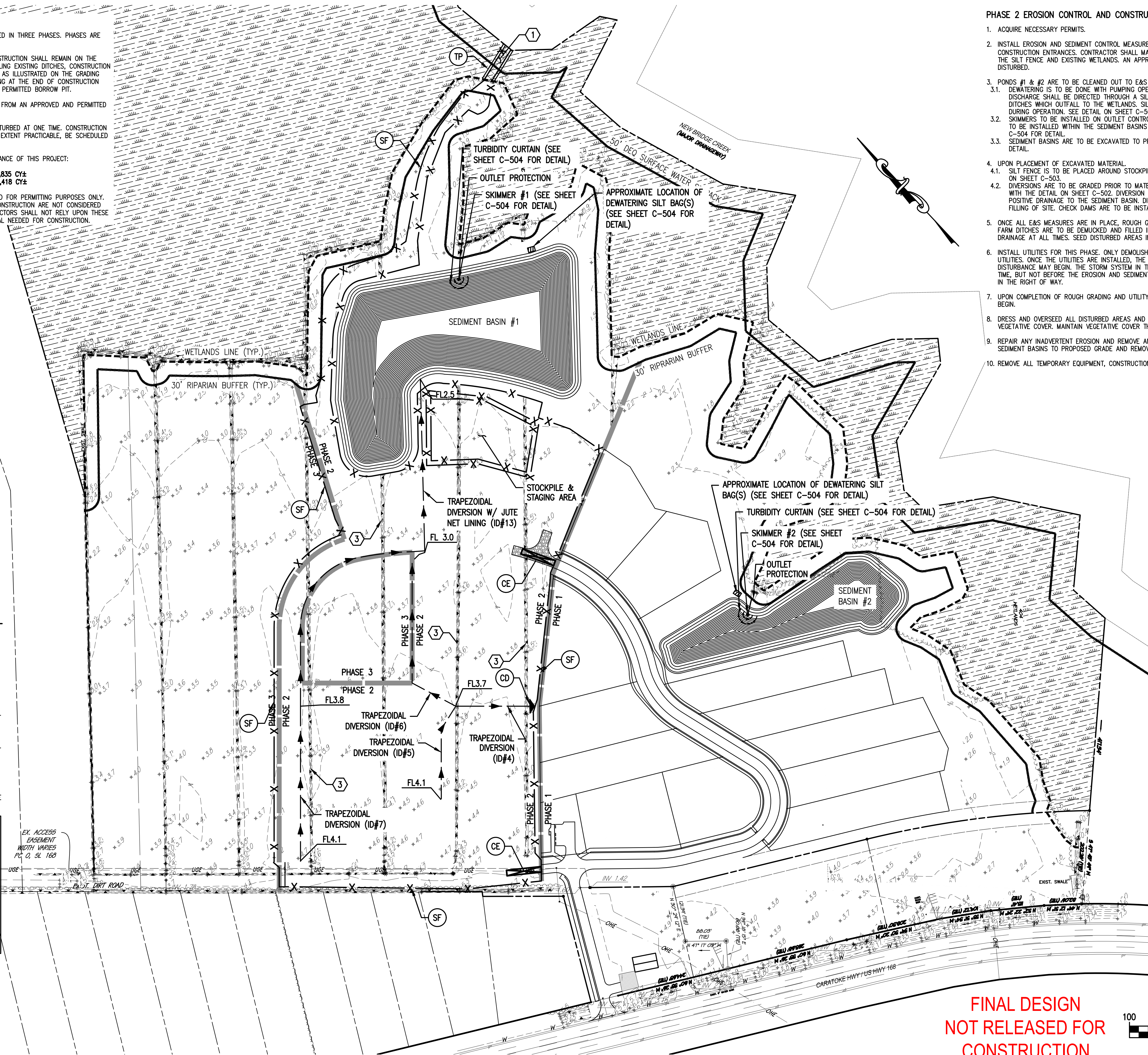
EXISTING DITCHES NOTED AS BEING FILLED SHALL BE DEMUCKED AND BACKFILLED WITH CLEAN, COMPACTED SELECT MATERIAL. DITCH FILLING SHALL COINCIDE WITH DRAINAGE PATTERNS AND EROSION CONTROL MEASURES AS PROVIDED IN THESE PLANS.

EXISTING DITCHES LOCATED TOTALLY OR PARTIALLY WITHIN A DEVELOPMENT AND UTILIZED FOR DRAINAGE OF STORMWATER MANAGEMENT SHALL BE CLEANED TO REMOVE DRAINAGE IMPEDIMENTS.

PLACEMENT OF EXCAVATED MATERIAL EITHER DIRECTLY ON THE LOTS OR IN A STOCKPILE WILL BE AT THE DISCRETION OF THE CONTRACTOR. ALL STOCKPILES SHALL INCORPORATE EROSION CONTROL MEASURES IN ACCORDANCE WITH NCDEQ REQUIREMENTS.

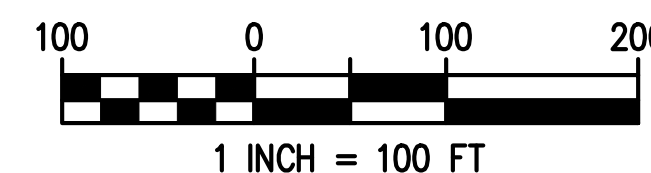
1. REMOVE TREES, CLEAR & GRUB
2. REMOVE HYDRANT. CAP AND ABANDON HYDRANT SERVICE LINE.
3. DE-MUCK AND BACKFILL DITCH
4. *COORDINATE WITH DOWNGROUND POWER FOR RELOCATION OF POWER POLE AND UNDERGROUND CONDUIT PLACEMENT
5. PROPOSED 74 LF 18" CLASS V RCP (REFER TO SHEET CG101 FOR STORM SCHEDULE AND SHEET CG105 FOR PLAN DETAIL)
6. PROPOSED 48 LF 18" CLASS V RCP (REFER TO SHEET CG101 FOR STORM SCHEDULE AND SHEET CG105 FOR PLAN DETAIL)
7. DE-MUCK AND BACKFILL EXISTING DITCH IN COORDINATION WITH EXCAVATION OF DIVERSION #16. (REFER TO PHASE 1 CONSTRUCTION SEQUENCING NOTE 4.3 & 5.1)

DESCRIPTION	SYMBOL
LT FENCE (ENOTES LOD)	
CONSTRUCTION ENTRANCE	
FREE PROTECTION	
CHECK DAM	



1. ACQUIRE NECESSARY PERMITS.
2. INSTALL EROSION AND SEDIMENT CONTROL MEASURES CONSISTING INITIALLY OF SILT FENCE AND CONSTRUCTION ENTRANCES. CONTRACTOR SHALL MAINTAIN A MINIMUM 3' SEPARATION BETWEEN THE SILT FENCE AND EXISTING WETLANDS. AN APPROXIMATE TOTAL OF 12.59 ACRES ARE TO BE DISTURBED.
3. PONDS #1 & #2 ARE TO BE CLEANED OUT TO E&S SEDIMENT BASIN SPECIFICATIONS.
 - 3.1. DEWATERING IS TO BE DONE WITH PUMPING OPERATIONS LOCATED WITHIN THE SKIMMER CELL. DISCHARGE SHALL BE DIRECTED THROUGH A SILT BAG WITH RUNOFF DIRECTED TO EXISTING DITCHES WHICH OUTFALL TO THE WETLANDS. SILT BAG IS TO BE CONTINUOUSLY MONITORED DURING OPERATION. SEE DETAIL ON SHEET C-504 FOR DETAIL.
 - 3.2. SKIMMERS TO BE INSTALLED ON OUTLET CONTROL STRUCTURES, AND TURBIDITY CURTAINS ARE TO BE INSTALLED WITHIN THE SEDIMENT BASINS CONCURRENTLY WITH EXCAVATION. SEE SHEET C-504 FOR DETAIL.
 - 3.3. SEDIMENT BASINS ARE TO BE EXCAVATED TO PROPOSED GRADE. SEE SHEET C-502 FOR DETAIL.
4. UPON PLACEMENT OF EXCAVATED MATERIAL.
 - 4.1. SILT FENCE IS TO BE PLACED AROUND STOCKPILE AREAS IN ACCORDANCE WITH THE DETAIL ON SHEET C-503.
 - 4.2. DIVERSIONS ARE TO BE GRADED PRIOR TO MATERIAL PLACEMENT ON LOTS IN ACCORDANCE WITH THE DETAIL ON SHEET C-502. DIVERSION DIKES ARE TO BE GRADED TO PROVIDE POSITIVE DRAINAGE TO THE SEDIMENT BASIN. DIVERSION DEPTHS WILL BE VARIABLE DUE TO FILLING OF SITE. CHECK DAMS ARE TO BE INSTALLED WITHIN EXISTING DITCHES.
5. ONCE ALL E&S MEASURES ARE IN PLACE, ROUGH GRADE IN ACCORDANCE WITH PLANS. EXISTING FARM DITCHES ARE TO BE DEMUCKED AND FILLED IN A MANNER TO MAINTAIN TEMPORARY DRAINAGE AT ALL TIMES. SEED DISTURBED AREAS IMMEDIATELY AFTER GRADING.
6. INSTALL UTILITIES FOR THIS PHASE. ONLY DEMOLISH AND DISTURB AREAS NEEDED TO INSTALL UTILITIES. ONCE THE UTILITIES ARE INSTALLED, THE REMAINING DEMOLITION ITEMS AND DISTURBANCE MAY BEGIN. THE STORM SYSTEM IN THE RIGHT OF WAY MAY BE INSTALLED AT ANY TIME, BUT NOT BEFORE THE EROSION AND SEDIMENT CONTROL MEASURES HAVE BEEN INSTALLED IN THE RIGHT OF WAY.
7. UPON COMPLETION OF ROUGH GRADING AND UTILITY INSTALLATION, PAVING OPERATIONS MAY BEGIN.
8. DRESS AND OVERSEED ALL DISTURBED AREAS AND IMMEDIATELY ESTABLISH PERMANENT VEGETATIVE COVER. MAINTAIN VEGETATIVE COVER THROUGHOUT DURATION OF PROJECT.
9. REPAIR ANY INADVERTENT EROSION AND REMOVE ANY INADVERTENT SEDIMENTATION. CLEANOUT SEDIMENT BASINS TO PROPOSED GRADE AND REMOVE SKIMMERS.
10. REMOVE ALL TEMPORARY EQUIPMENT, CONSTRUCTION MATERIALS AND DEBRIS FROM THE SITE.

FINAL DESIGN
NOT RELEASED FOR
CONSTRUCTION



DEMOLITION, EROSION & SEDIMENT CONTROL PLAN (PHASE 2)

NEW BRIDGE CREEK

MOYOCK TOWNSHIP

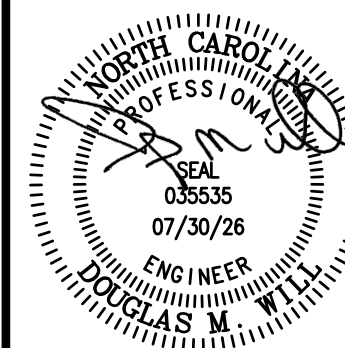
CURRITUCK COUNTY NORTH CAROLINA

SHEET

CD102

SCALE: 1" = 100'

PROJ. NO.:	24102
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DESIGNED	ENL
DRAWN	ENL
CHECKED	DMW
APPROVED	DMW
DATE	07/30/26

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1. NEW BRIDGE CREEK SUBDIVISION IS TO BE CONSTRUCTED IN THREE PHASES. PHASES ARE DENOTED ON THE PLANS.
2. ALL MATERIALS EXCAVATED OVER THE COURSE OF CONSTRUCTION SHALL REMAIN ON THE PROJECT SITE. THIS MATERIAL SHALL BE USED FOR FILLING EXISTING DITCHES, CONSTRUCTION OF ROADWAYS AND PREPARING THE RESIDENTIAL LOTS AS ILLUSTRATED ON THE GRADING PLANS. IF NECESSARY, EXCAVATED MATERIALS REMAINING AT THE END OF CONSTRUCTION MAY BE DISPOSED OF OFF-SITE AT AN APPROVED AND PERMITTED BORROW PIT.
3. OFF-SITE BORROW, IF NECESSARY, MUST BE OBTAINED FROM AN APPROVED AND PERMITTED BORROW PIT.
4. NO GREATER THAN 20 ACRES OF LAND SHALL BE DISTURBED AT ONE TIME. CONSTRUCTION AND STABILIZATION ACTIVITIES SHALL, TO THE MAXIMUM EXTENT PRACTICABLE, BE SCHEDULED ACCORDINGLY.
5. THE FOLLOWING PROVIDES AN ESTIMATED MATERIAL BALANCE OF THIS PROJECT:

6. *THE VALUES ARE GROSS ESTIMATES AND ARE PROVIDED FOR PERMITTING PURPOSES ONLY. COMPACTION AND SUITABILITY OF SOILS FOR USE IN CONSTRUCTION ARE NOT CONSIDERED AND ADDITIONAL MATERIAL MAY BE NECESSARY. CONTRACTORS SHALL NOT RELY UPON THESE ESTIMATES AND SHOULD DETERMINE THEIR OWN MATERIAL NEEDED FOR CONSTRUCTION.

DURING CONSTRUCTION, POND #1 & POND #2 SHALL BE UTILIZED AS AN EROSION & SEDIMENT CONTROL SEDIMENT BASIN. AFTER CONSTRUCTION IS COMPLETE AND THE SITE IS PROPERLY STABILIZED THE POND SHALL BE CLEANED AND RESTORED TO ITS DESIGN SPECIFICATIONS AND THE BANKS PERMANENTLY STABILIZED WITHIN 7 DAYS.

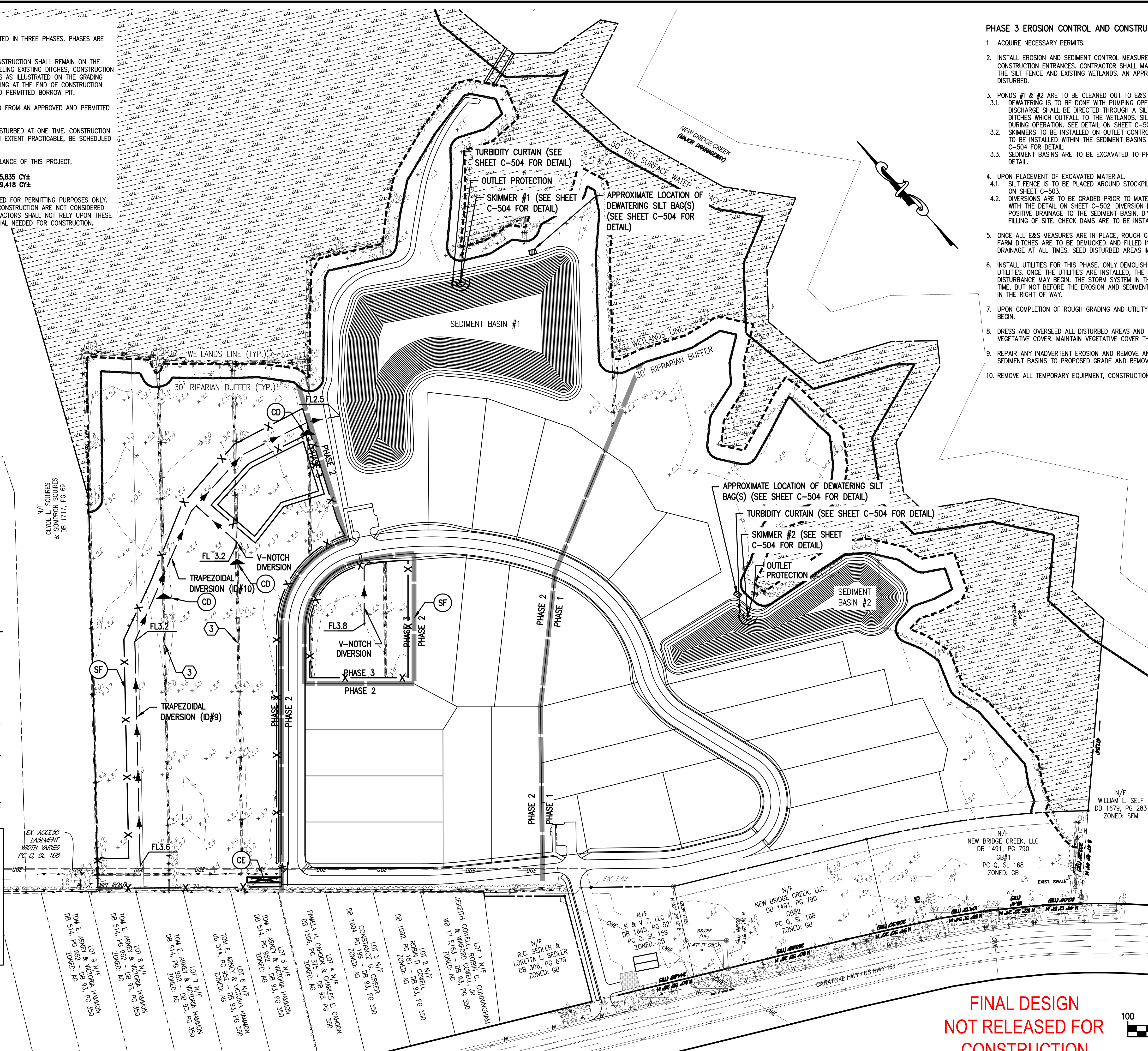
EXISTING DITCHES NOTED AS BEING FILLED SHALL BE DEMOLISHED AND BACKFILLED WITH CLEAN, COMPACTED SELECT MATERIAL. DITCH FILLING SHALL COINCIDE WITH DRAINAGE PATTERNS AND EROSION CONTROL MEASURES AS PROVIDED IN THESE PLANS.

N/F
CLYDE L. SQUIRES
: SOMPRON SQUIRES

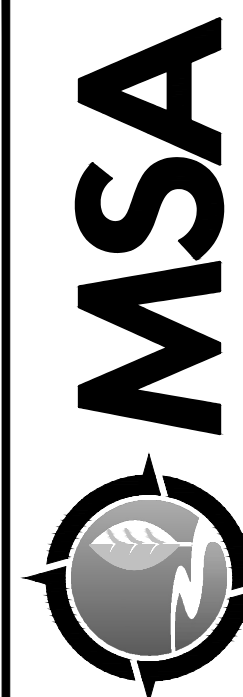
PLACEMENT OF EXCAVATED MATERIAL EITHER DIRECTLY ON THE LOTS OR IN A STOCKPILE WILL BE AT THE DISCRETION OF THE CONTRACTOR. ALL STOCKPILES SHALL INCORPORATE EROSION CONTROL MEASURES IN ACCORDANCE WITH NCDEQ REQUIREMENTS.

1. REMOVE TREES, CLEAR & GRUB
2. REMOVE HYDRANT. CAP AND ABANDON HYDRANT SERVICE LINE.
3. DE-MUCK AND BACKFILL DITCH
4. *COORDINATE WITH DOMINION POWER FOR RELOCATION OF POWER POLE AND UNDERGROUND CONDUIT PLACEMENT
5. PROPOSED 74 LF 18" CLASS V RCP (REFER TO SHEET CG101 FOR STORM SCHEDULE AND SHEET CG105 FOR PLAN DETAIL)
6. PROPOSED 48 LF 18" CLASS V RCP (REFER TO SHEET CG101 FOR STORM SCHEDULE AND SHEET CG105 FOR PLAN DETAIL)
7. DE-MUCK AND BACKFILL EXISTING DITCH IN COORDINATION WITH EXCAVATION OF DIVERSION #16. (REFER TO PHASE 1 CONSTRUCTION SEQUENCING NOTE 4.3 & 5.1)

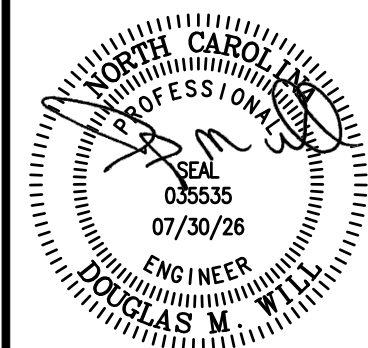
DESCRIPTION	SYMBOL
ST FENCE (NOTES LOD)	
CONSTRUCTION ENTRANCE	
TEE PROTECTION	
CHECK DAM	



1. ACQUIRE NECESSARY PERMITS.
2. INSTALL EROSION AND SEDIMENT CONTROL MEASURES CONSISTING INITIALLY OF SILT FENCE AND CONSTRUCTION ENTRANCES. CONTRACTOR SHALL MAINTAIN A MINIMUM 3' SEPARATION BETWEEN THE SILT FENCE AND EXISTING WETLANDS. AN APPROXIMATE TOTAL OF 8.33 ACRES ARE TO BE DISTURBED.
3. PONDS #1 & #2 ARE TO BE CLEANED OUT TO E&S SEDIMENT BASIN SPECIFICATIONS.
 - 3.1. Dewatering IS TO BE DONE WITH PUMPING OPERATIONS LOCATED WITHIN THE SKIMMER CELL. DISCHARGE SHALL BE DIRECTED THROUGH A SILT BAG WITH RUNOFF DIRECTED TO EXISTING DITCHES WHICH OUTFALL TO THE WETLANDS. SILT BAG IS TO BE CONTINUOUSLY MONITORED DURING OPERATION. SEE DETAIL ON SHEET C-504 FOR DETAIL.
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 - 3.3. SEDIMENT BASINS ARE TO BE EXCAVATED TO PROPOSED GRADE. SEE SHEET C-502 FOR DETAIL.
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8. DRESS AND OVERSEED ALL DISTURBED AREAS AND IMMEDIATELY ESTABLISH PERMANENT VEGETATIVE COVER. MAINTAIN VEGETATIVE COVER THROUGHOUT DURATION OF PROJECT.
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10. REMOVE ALL TEMPORARY EQUIPMENT, CONSTRUCTION MATERIALS AND DEBRIS FROM THE SITE.



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DRAWN	EN
CHECKED	DM
APPROVED	DM
DATE	07/30/2011

[illegible]

CURRITUCK COUNTY, NORTH CAROLINA

MOYOCK TOWNSHIP

DEMOLITION, EROSION & SEDIMENT CONTROL PLAN (PHASE 3)

WATER QUALITY & SEDIMENT CONTROL PLAN OF NEW BRIDGE CREEK

SHEET

CD103

SCALE: 1" = 100'

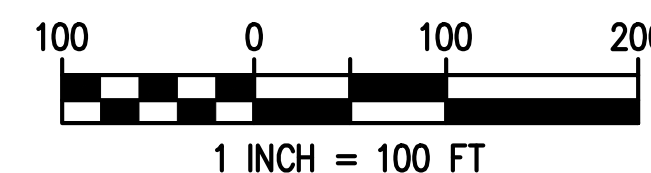
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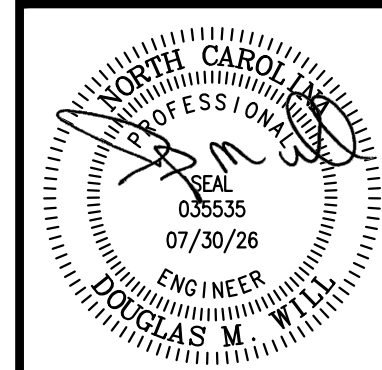
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MINIMUM FINISHED FLOOR ELEVATIONS
ARE EQUAL TO BUILDING PAD
ELEVATIONS (BPE) SHOWN HEREON

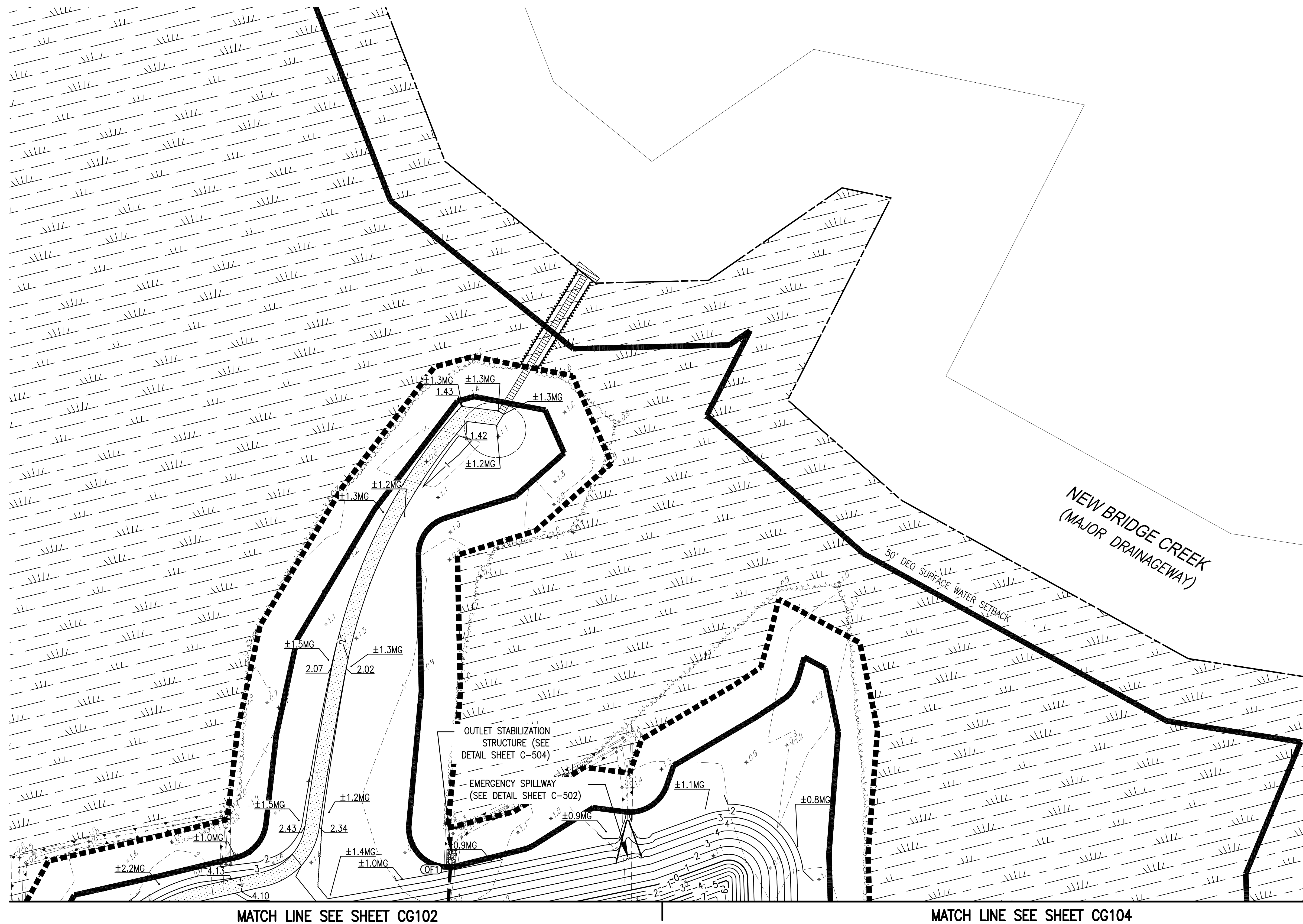


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CHECKED	DMW
APPROVED	DMW
DATE	07/30/26

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MOYOCK TOWNSHIP

SHEET
CG102
 8 of 32 Sheets
 SCALE: 1" = 40'
 PROJ. NO.: 24102

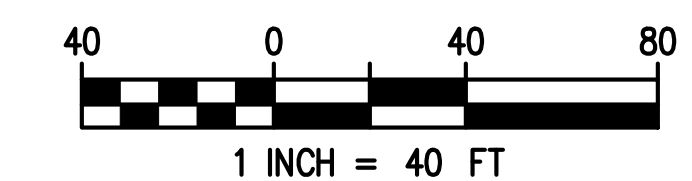


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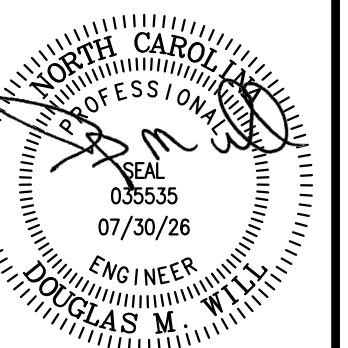
MATCH LINE SEE SHEET CG104

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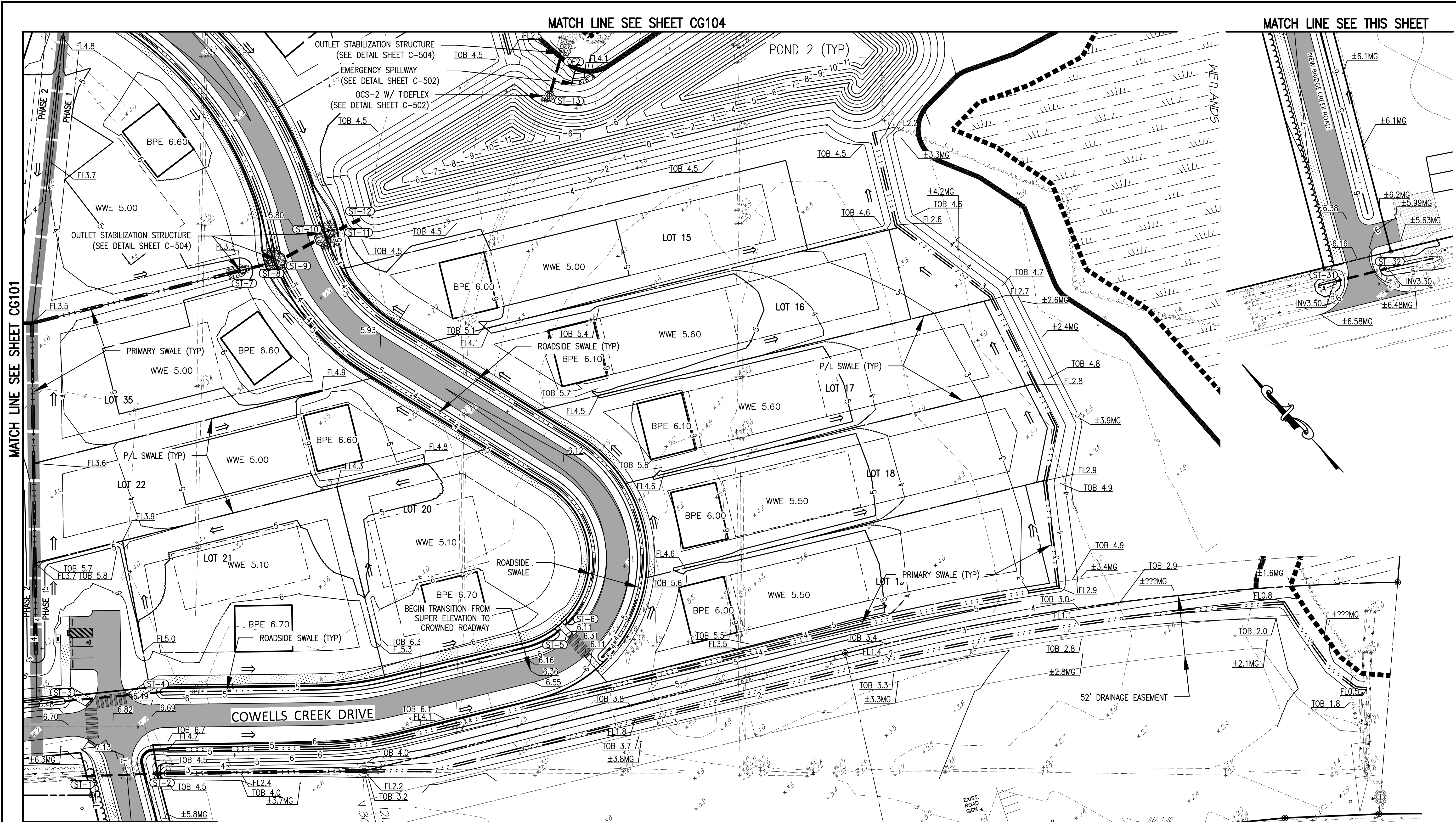
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E CREEK
CURRITUCK COUNTY, NORTH CAROLINA

MOYOCK TOWNSHIP

SHEET
CG103
 9 of 32 Sheets
 SCALE: 1" = 40'
 PROJ. NO.: 24102

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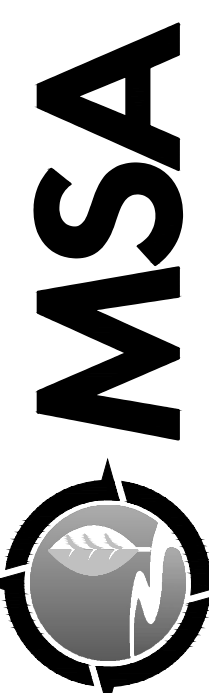
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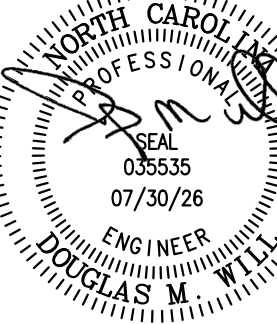
MINIMUM FINISHED FLOOR ELEVATIONS
ARE EQUAL TO BUILDING PAD
ELEVATIONS (BPE) SHOWN HEREON

FINAL DESIGN
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CONSTRUCTION





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ENGINEER
DOUGLAS M. LITTLE
035535
07/30/26

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				07/30/26

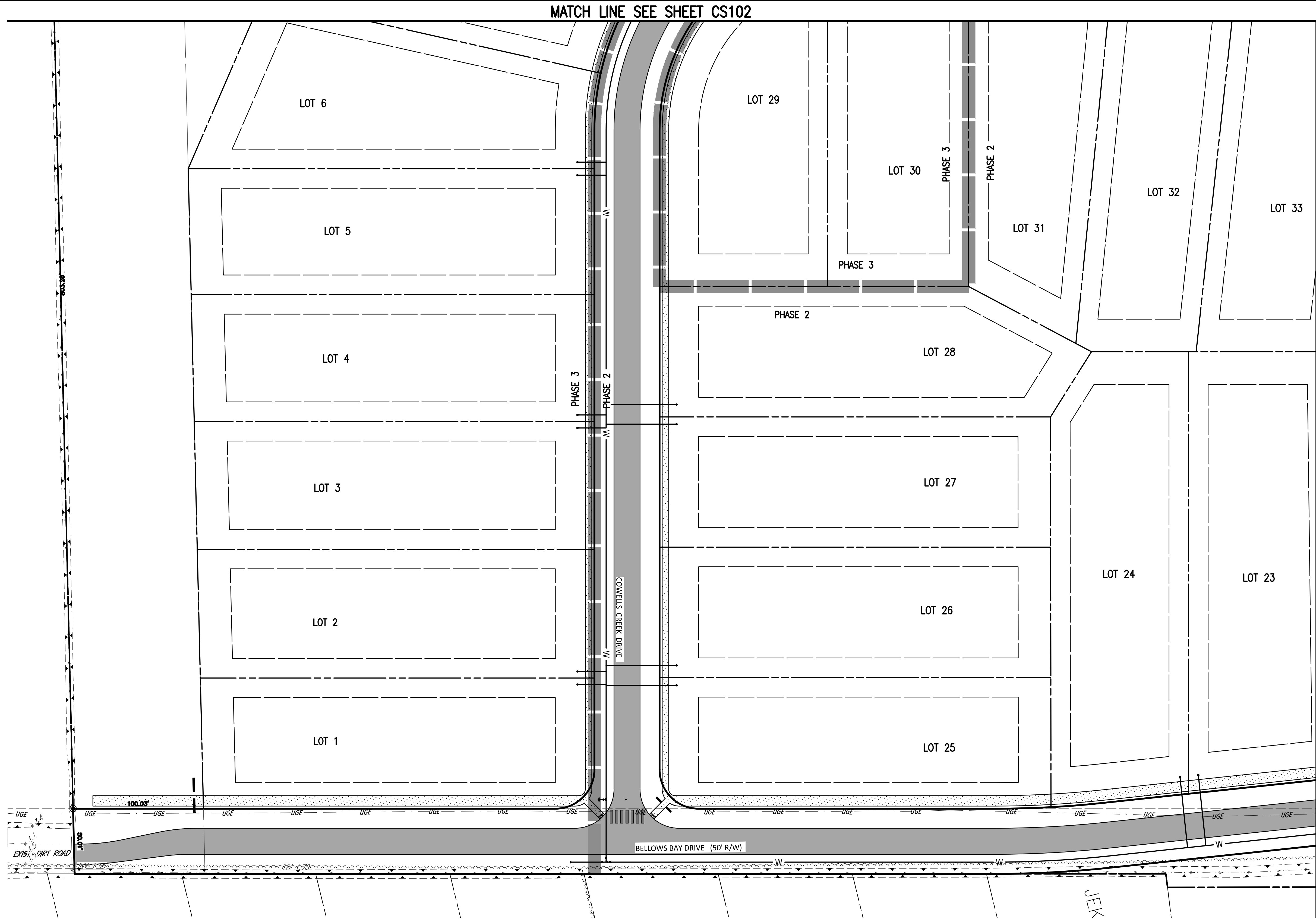
MASTER GRADING & DRAINAGE PLAN
OF
NEW BRIDGE CREEK

CURRITUCK COUNTY, NORTH CAROLINA

MOYOCK TOWNSHIP

SHEET
CG105
11 of 32 Sheets
SCALE: 1" = 40'
PROJ. NO.: 24102

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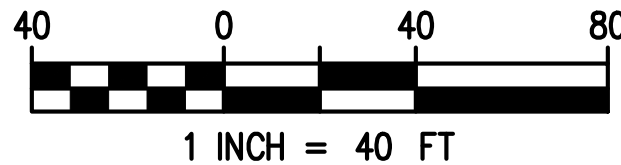


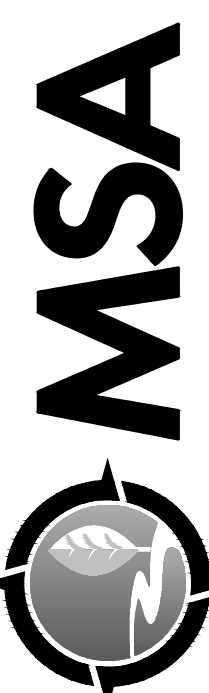
WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

A MINIMUM OF 36" OF COVER SHALL BE MAINTAINED OVER THE INSTALLED WATER MAIN.

A MINIMUM OF 24" OF SEPARATION SHALL BE PROVIDED FROM BOTTOM OF STORM DRAIN TO TOP OF WATER MAIN.

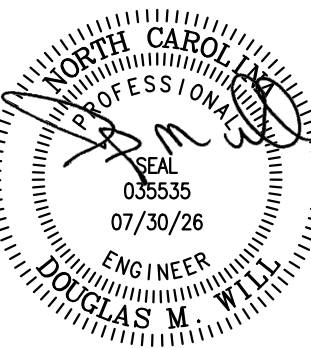
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ENGINEER
DOUGLAS M. WHITE
035535
07/30/26
NORTH CAROLINA

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ENL	JTP	DMW	DMW	07/30/26

REVISION	DESCRIPTION	DATE

MASTER LAYOUT & UTILITY PLAN
OF
NEW BRIDGE CREEK

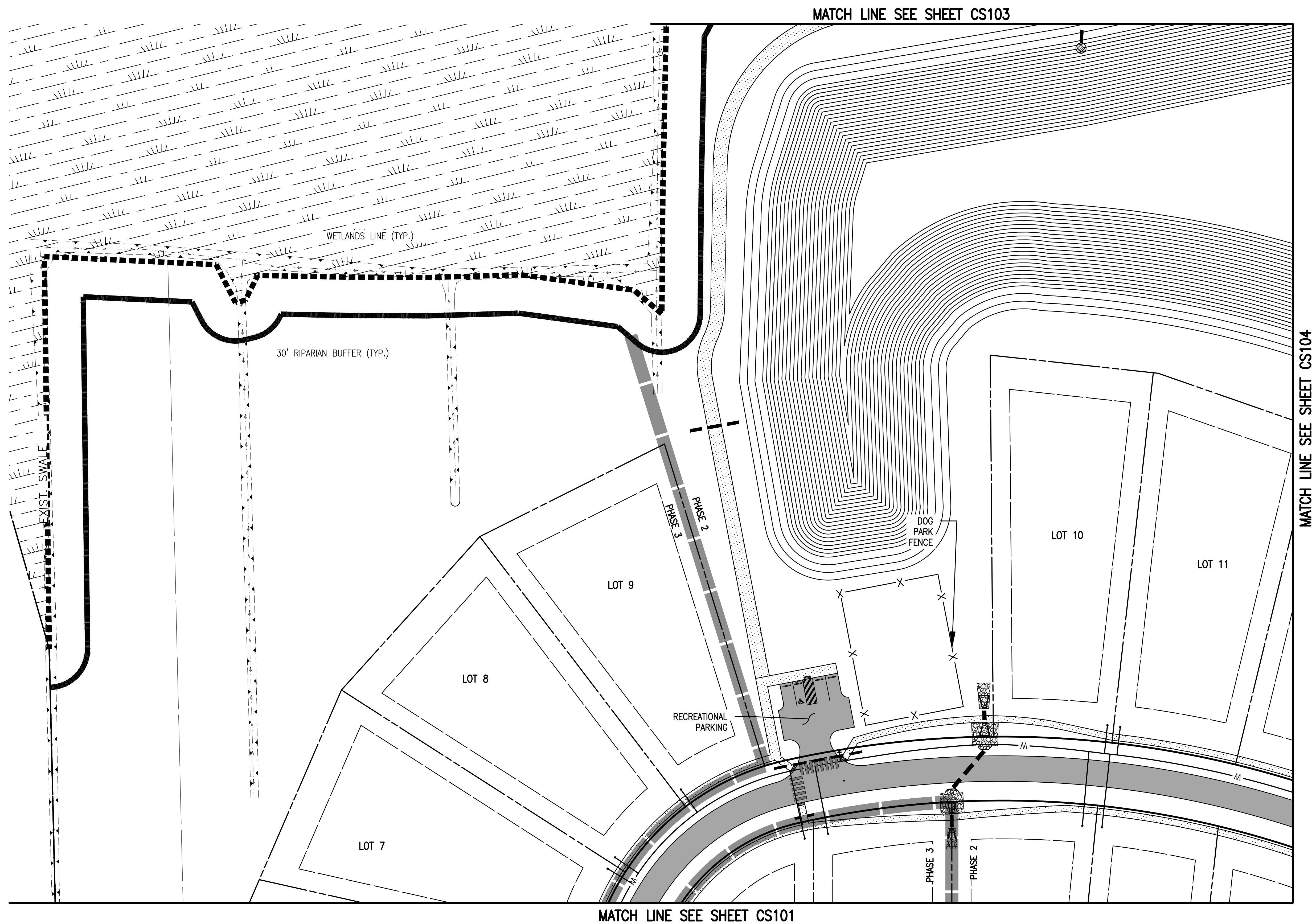
CURRITUCK COUNTY, NORTH CAROLINA

MOYOCK TOWNSHIP

SHEET
CS101
12 of 32 Sheets

SCALE: 1" = 40'

PROJ. NO.: 24102

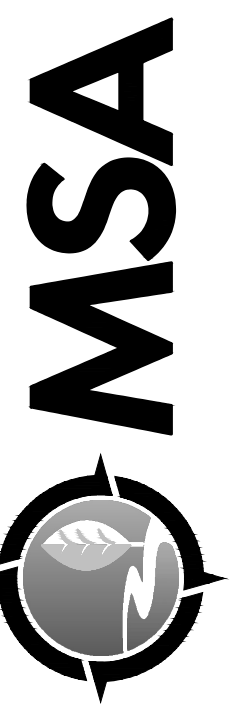
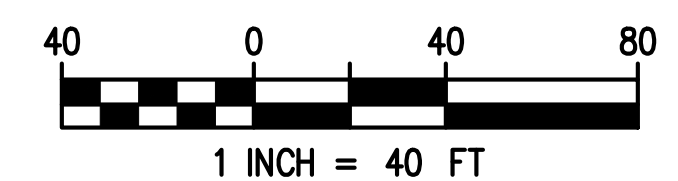


WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

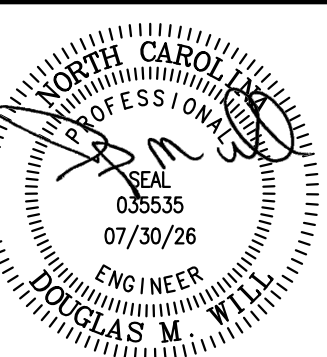
**A MINIMUM OF 36" OF COVER SHALL BE MAINTAINED OVER THE
INSTALLED WATER MAIN.**

A MINIMUM OF 24" OF SEPARATION SHALL BE PROVIDED FROM
BOTTOM OF STORM DRAIN TO TOP OF WATER MAIN.

FINAL DESIGN
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CONSTRUCTION



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SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | M



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CHECKED	DMW
APPROVED	DMW
DATE	07/30/26

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MASTER LAYOUT & UTILITY PLAN
OF
NEW BRIDGE CREEK
CURRITUCK COUNTY, NORTH CAROLINA

MOYOCK TOWNSHIP

HEET
CS102
13 of 32 Sheets
SCALE: 1" = 40'
ROJ. NO.: 24102

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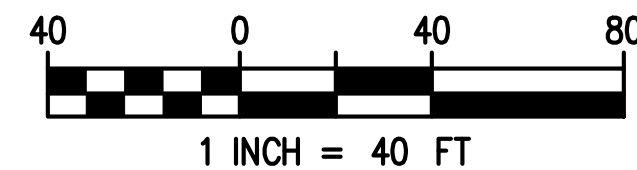
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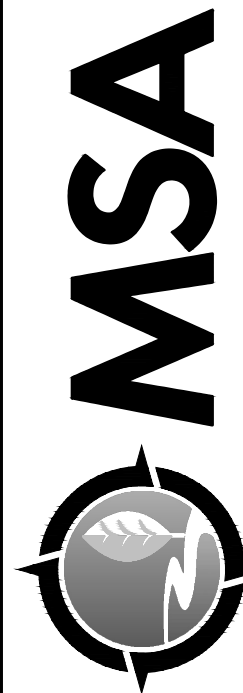
WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

A MINIMUM OF 36" OF COVER SHALL BE MAINTAINED OVER THE INSTALLED WATER MAIN.

A MINIMUM OF 24" OF SEPARATION SHALL BE PROVIDED FROM BOTTOM OF STORM DRAIN TO TOP OF WATER MAIN.

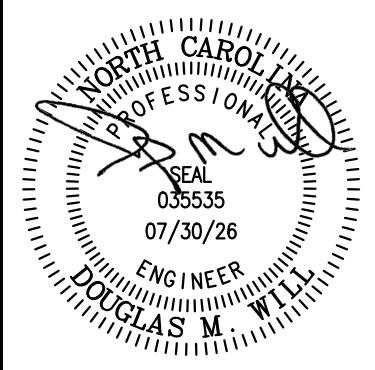
FINAL DESIGN
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DRAWN: JTP
CHECKED: DMW
APPROVED: DMW
DATE: 07/30/26

REVISION	DATE	DESCRIPTION

MASTER LAYOUT & UTILITY PLAN
OF
NEW BRIDGE CREEK

CURRITUCK COUNTY, NORTH CAROLINA

SHEET
CS104
15 of 32 Sheets

SCALE: 1" = 40'

PROJ. NO.: 24102

MOYOCK TOWNSHIP

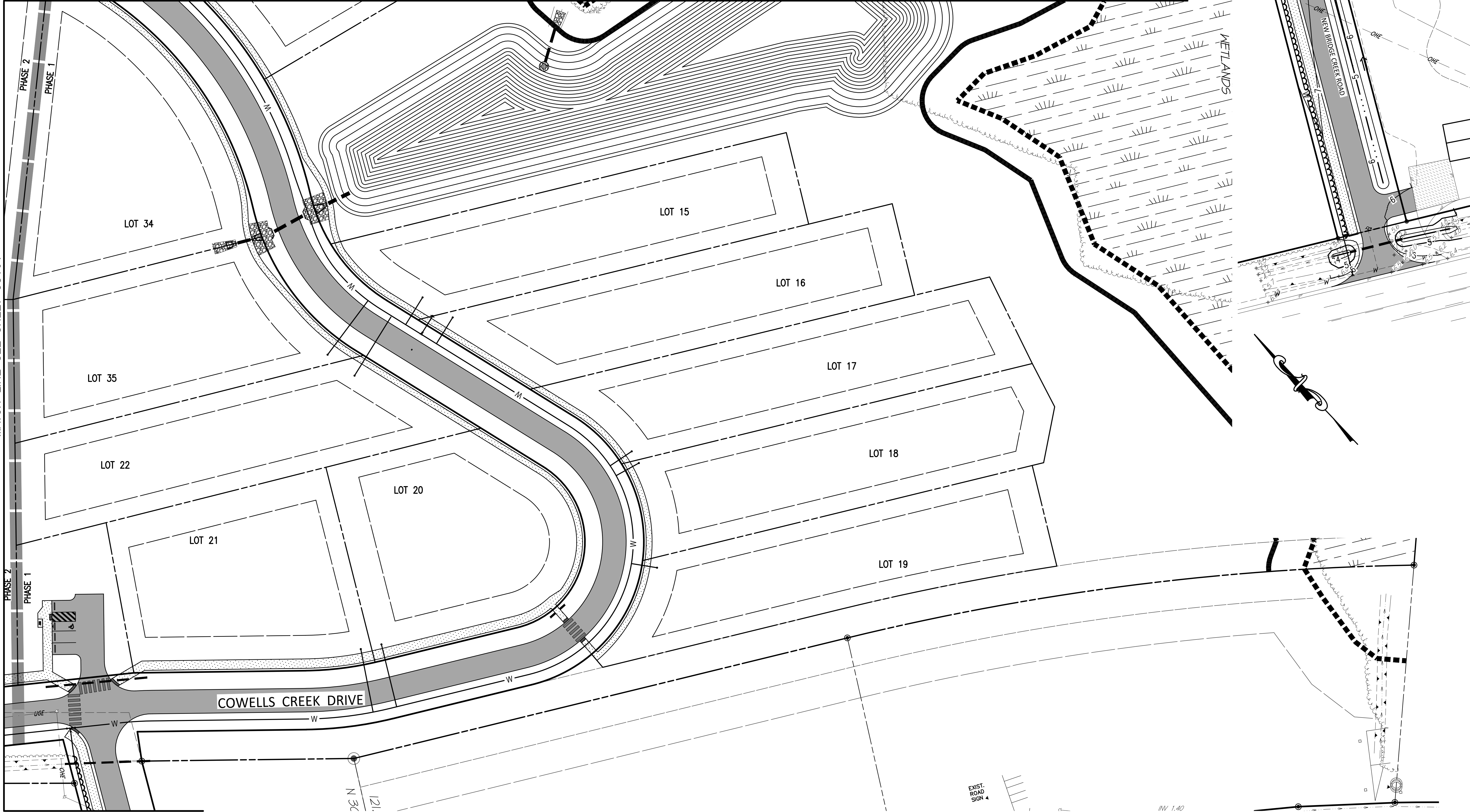
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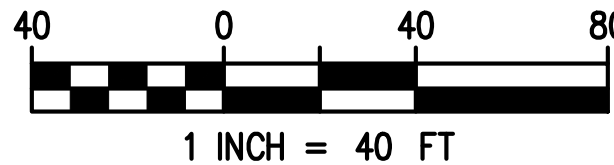
MATCH LINE SEE THIS SHEET

WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

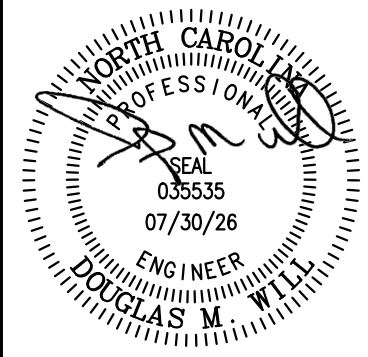
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CHECKED	DMW		
APPROVED	DMW		

REVISION	DATE	DESCRIPTION	BY	CHKD	APPD

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MASTER LAYOUT & UTILITY PLAN
OF
NEW BRIDGE CREEK
CURRITUCK COUNTY, NORTH CAROLINA
MOYOCK TOWNSHIP

SHEET
CS105
16 of 32 Sheets
SCALE: 1" = 40'
PROJ. NO.: 24102

2. **TREE & SHRUB SPECIES AND PLANTING GUIDELINES:**
ALL TREES AND SHRUBS SHALL BE INSTALLED IN ACCORDANCE WITH THE PLANTING STANDARDS SPECIFIED IN CURRICUTUM 3.5 OF THE CURRICUTUM COURSE ADMINISTRATIVE MANUAL AND THIS PLAN.
a. **CANOPY AND UNDERSTORY TREE PLANTS** SHALL BE OF THOSE LISTED UNDER TABLE 3.4.6: RECOMMENDED PLANTINGS* IN THE SAME MANUAL. THESE SPECIES SHALL BE DIVERSE AND REPRESENT A MIXTURE OF SPECIES OF CANOPY AND UNDERSTORY TREES SHALL BE INSTALLED IN AN APPROXIMATELY EQUAL PROPORTIONS.
At INSTALLATION, CANOPY TREES SHALL HAVE A MINIMUM CALIPER OF 2" MEASURED AT 4' ABOVE GRADE. EIGHT FOOT HIGH TREES MAY BE PLANTED AS AN ALTERNATIVE.
At INSTALLATION, UNDERSTORY TREES SHALL HAVE A MINIMUM CALIPER OF 1.5" INCHES MEASURES AT 4" INCHES ABOVE GRADE. SIX FOOT HIGH TREES MAY BE PLANTED AS AN ALTERNATIVE.
b. **SHRUBS** SHALL BE PLANTED AT THE SPACING NOTED ON THE PLANS AND FORM A VISUAL SCREEN WITH A MIN. LAUREL HEIGHT OF 36". SHRUBS SHALL BE EVERGREEN AS NOTED AND BE A MINIMUM OF (3) GALLON SIZE AT PLANTING.
c. **MATERIALS** SHALL BE OF HIGH-QUALITY NURSERY GRADE.
d. THE USE OF NATIVE, DROUGHT TOLERANT TREES IS ENCOURAGED.
e. THE LANDSCAPE DESIGNER SHALL PREPARE AND SUBMIT AN ITEMIZED SCHEDULE OF TREES TO BE INSTALLED IN ACCORDANCE WITH THE LANDSCAPE PLAN. THIS SCHEDULE SHALL BE REVIEWED BY CURRICUTUM COURSE AND THE ENGINEER TO DETERMINE COMPLETION BEFORE ORDERING MATERIALS. ALTERNATIVE MATERIALS AND SPECIFICATIONS MAY BE PRESENTED FOR REVIEW AND APPROVAL.

DOMINION POWER
FULL CUTOFF LUMINAIRE
LED W/ TYPE III DISTRIBUTION
W/ A TYPE III DISTRIBUTION
100-150 WATTS HID EQUIVALENT
12'-15' MOUNTING HEIGHT

ROUND TAPERED COMPOSITE POLE

PULL BOX AS

DIRECT EMBEDDED FOR USE WITH
UNDERGROUND SUPPLY CONDUCTORS ONLY.
BEDDING DEPTH PER MOUNTING HEIGHT
REQUIREMENTS PER MANUFACTURER

LOCATION AS NOTED ON PLAN

LOCATED @ 200'-300' INTERVALS AND AT
CROSSWALKS (BOTH SIDES OF DIVIDED BOULEVARDS,
AT LEAST ON ONE SIDE OF STANDARD STREETS.)

TYP. AREA LIGHT DETAIL

NOT TO SCALE LOCATION AS NOTED ON PLAN

SE
'F

PROPOSED BUFFER
PLANTINGS TO BE-
COMPLETED IN PHASE 1

EX. ACCESS
EASEMENT
WIDTH VARIES
PC 0, SL 168

LOT 9 N/F
TOM E. ARNEY & VICTORIA HAMMON
DB 514, PG 952 - DB 93, PG 356
ZONED: AG

LOT 8 N/1
TOM E. ARNEY & VICTORIA HAMMERS
DB 514, PG 952 - DB 93, PG 35C
ZONED: AG

TOM E. ARNOLD - UD
DB 514, PG 952 -
ZONED: AG

10m
DB 514, PG 522
ZONED: A3

LOT 7 N/F
VICTORIA H
& VICTORIA H
DB 93,

LOT 6 N/F
ARNEY & VICTORIA H
DB 93.

DB 13001 ZONE
LOT 5 N/F
ARNLEY & VICTORIA HAMMOND
052 - DB 93, PG 35

LOT 4 N/F
PAMELA H. CAHOON & CHARLES E. C
706. PG 375 - DB 93, PG
ZONED: AG

LOT 3 N/F
CONSTANCE G. GREER
DB 93, PG 350
PG 1604, PG 199
ZONED: AG

LOT 2 N/F
ROBIN D. CONWELL
PG 181 - DB 93, PG 35
ZONED: AG
DB 1092,

SKETCH CONWELL, ROBIN, JR
& WINFORD CONWELL, PG 350
WB 17 E/63 - DB 93,
ZONED: AG

LOT 1 N/F
SPIN C. CUNNINGH

CONCRETE
ALK (TYP.)

N/F
R.C. SEDLER &
LORETTA L. SEDLER
DB 306, PG 8
ZONED: G

A close-up photograph of a document. On the left, a circular stamp is partially visible, containing a cross-like symbol. To the right of the stamp, the text "K & DB 16 PC 20" is printed in a bold, sans-serif font. Above this text, the word "OHE" is visible. Below the stamp, the word "BOARD" is partially visible, suggesting a "BOARD OF DIRECTORS" stamp.

W

A diagram showing a traverse with two points. The bearing from the first point to the second point is $N 39^{\circ} 18' 15'' E$ and the distance is $60.08' (ME)$. The bearing from the second point back to the first point is $S 50^{\circ} 41' 45'' W$ and the distance is $60.08' (ME)$. The diagram also shows a dashed line representing the bearing $S 50^{\circ} 41' 45'' W$ and a solid line representing the bearing $N 39^{\circ} 18' 15'' E$.

DB 1491, 15
GB#2
PC Q, SL
ZONED:

168
GB

W

CARATOKÉ

HWY / US HWY 1

68

A hand-drawn schematic diagram of an electrical circuit. It features a voltage source, represented by two parallel lines of unequal length, connected in series with a load, represented by a rectangle. The circuit is connected to a set of horizontal lines representing a power distribution system. A label 'W' is placed near the connection point on the left. The diagram is drawn on a background of horizontal lines.

DESIGN

GN

SHEET C

101

MOYOCK TOWNSHIP

LANDSCAPING, LIGHTING & SIGNAGE PLAN
OF
NEW BRIDGE CREEK

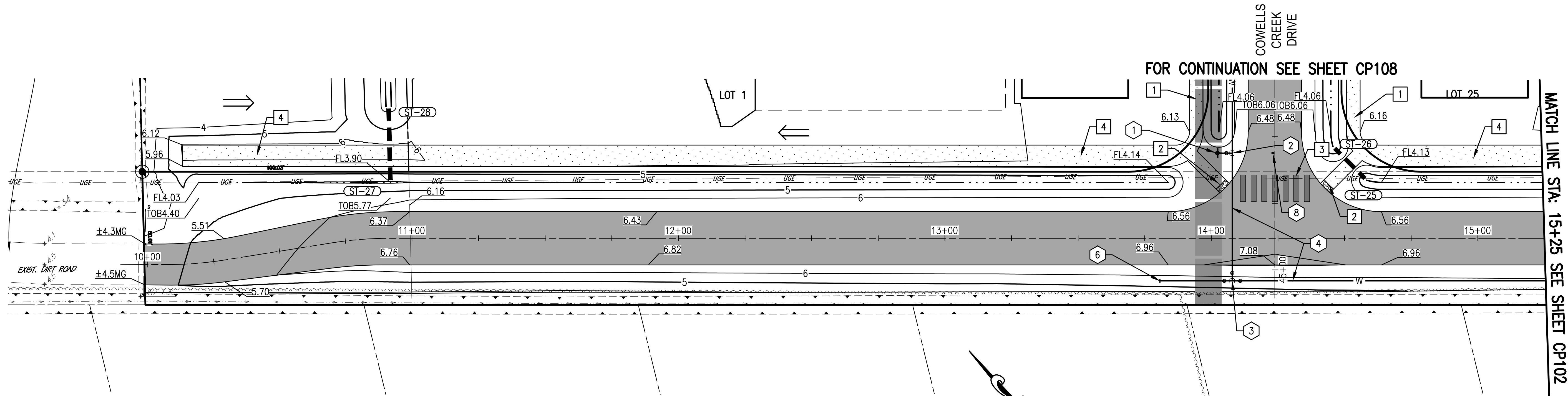
CURRITUCK COUNTY, NORTH CAROLINA

MOYOCK TOWNSHIP

SHEET
CL101
17 of 32 Sheets
SCALE: 1" = 100'
PROJ. NO.: 24102

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UTILITY KEYNOTES:

1. FIRE HYDRANT ASSEMBLY
2. 8" x 6" TEE & 6" GATE VALVE
3. 8" x 8" TEE & (3) 8" GATE VALVES
4. 8" SDR-21 PVC WATER MAIN
5. 3/4" WATER SERVICE (TYP)
6. 8" DEAD END CAP W/ BLOW OFF ASSEMBLY
7. 8" x 8" CUT-IN TEE & 8" VALVE
8. BLUE REFLECTOR
9. STREET LIGHT (TYP)
10. TEMPORARY PLUG & BLOW-OFF VALVE (PHASE 1)

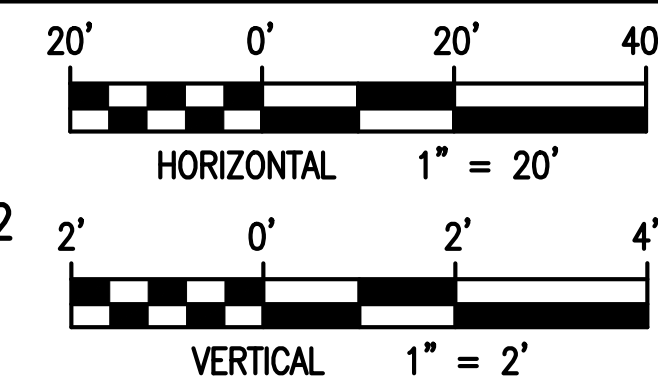
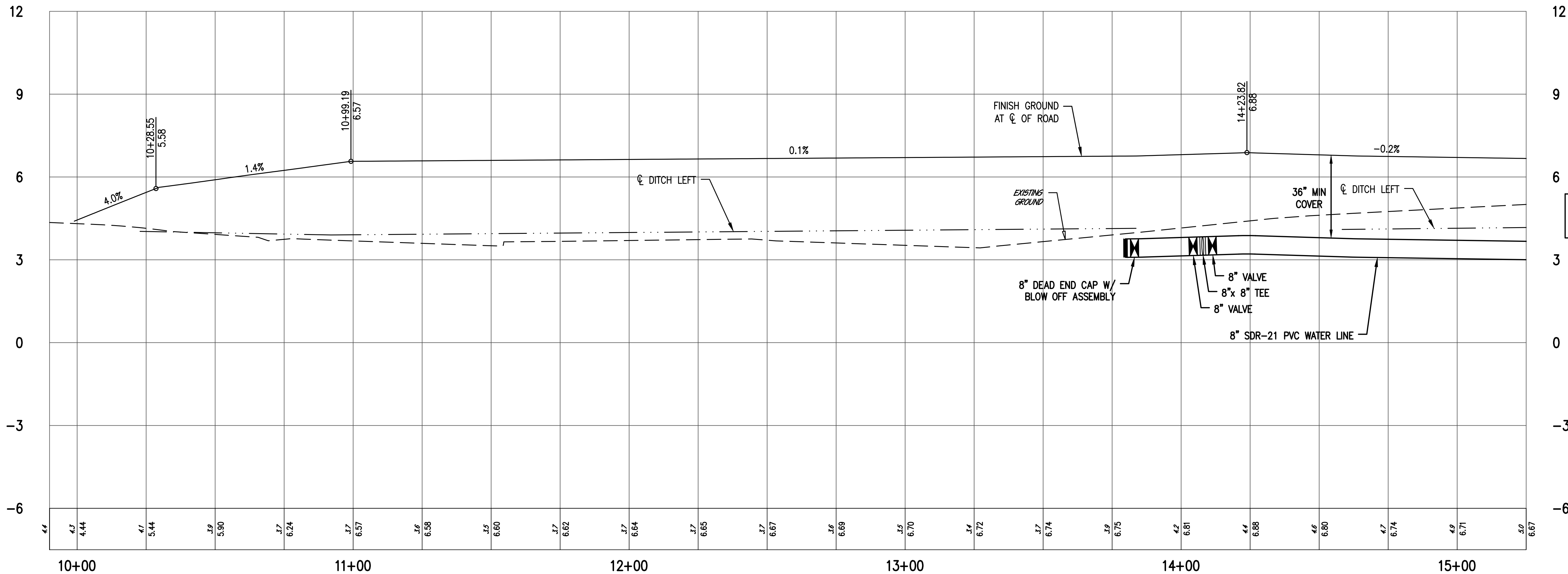
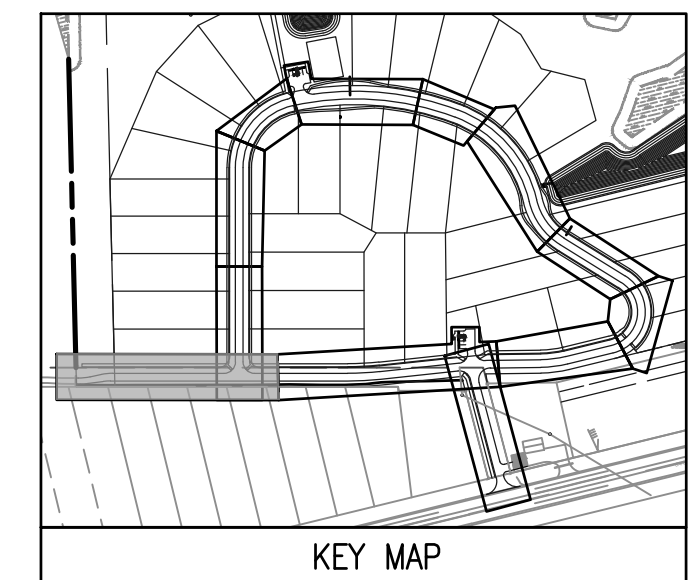
NEW WORK KEYNOTES:

1. 5' CONCRETE SIDEWALK
2. ACCESSIBLE RAMP (TYP)
3. PEDESTRIAN CROSSWALK (TYP)
4. 8' CONCRETE SIDEWALK
5. NEW TREE LINE

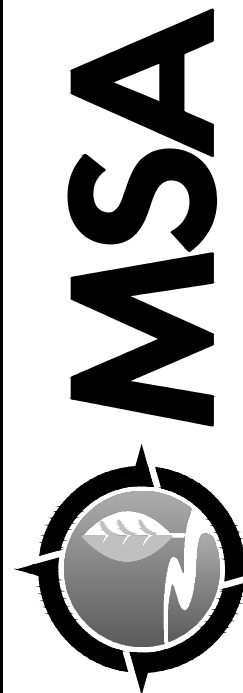
BELHOWS BAY DRIVE (50' R/W)

SCALE: 1"=20'

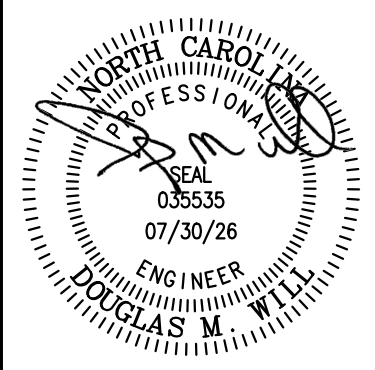
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NOTE:
ALL WATER LINE INSTALLATION IS TO USE RESTRAINED JOINTS IN ACCORDANCE WITH CONCRETE THRUST BLOCK DETAILS AS SHOWN ON SHEET C-504



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ENGINEER
DOUGLAS M. LITTLE

DESIGNED	DRAWN	CHECKED	APPROVED	DATE
				07/30/26

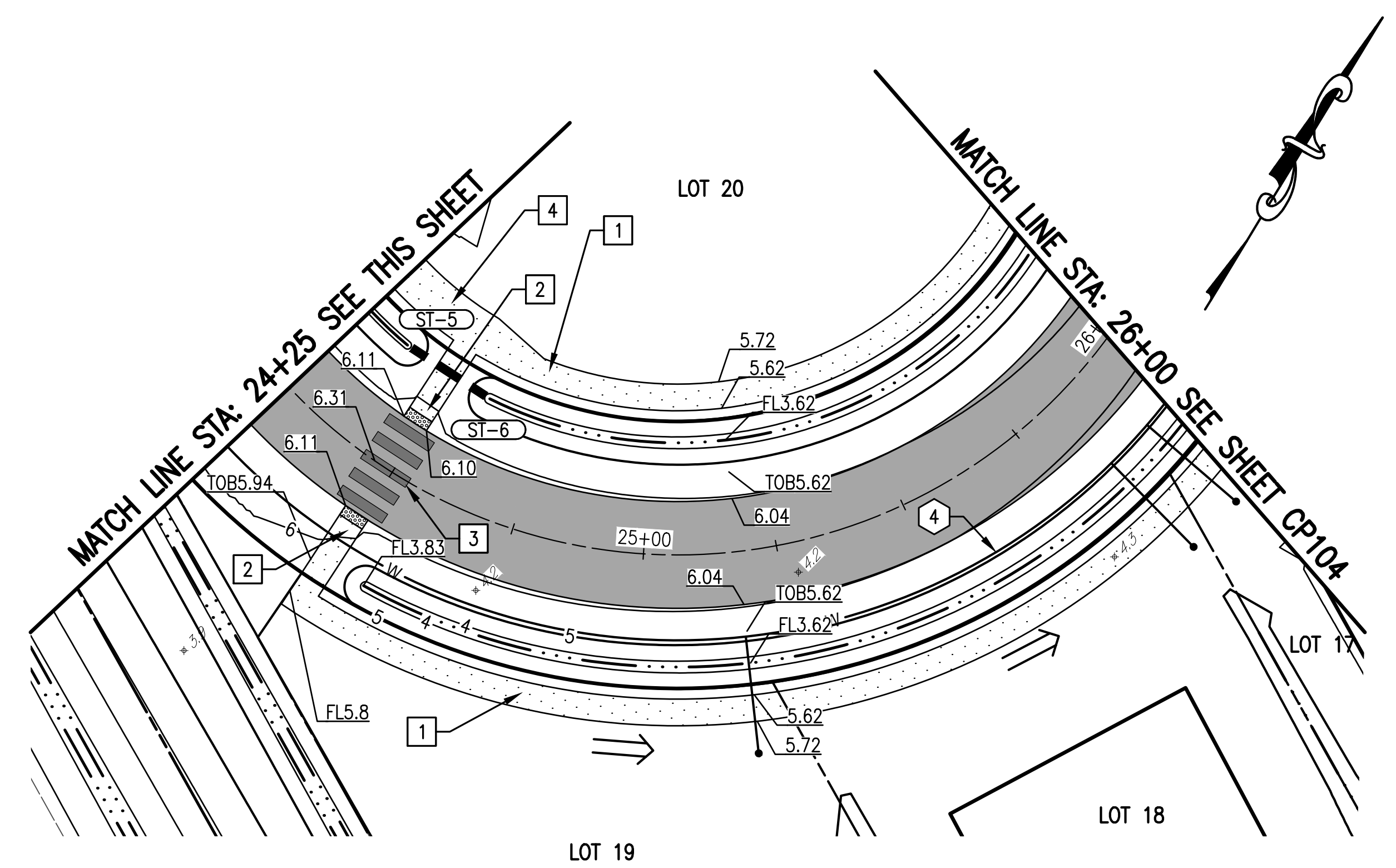
PLAN & PROFILE
OF
NEW BRIDGE CREEK

CURRITUCK COUNTY, NORTH CAROLINA
MOYOCK TOWNSHIP

SHEET
CP101
18 of 32 Sheets

SCALE: GRAPHIC

PROJ. NO.: 24102

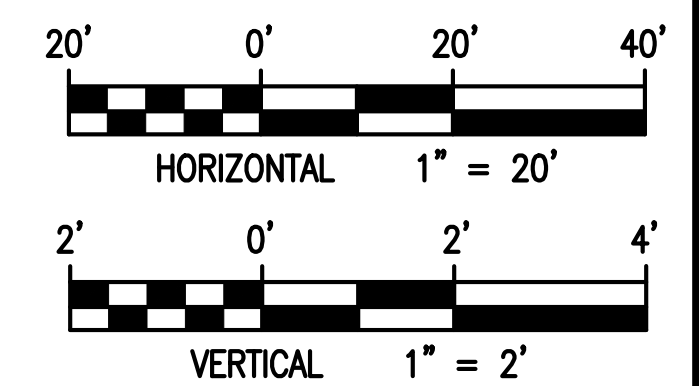
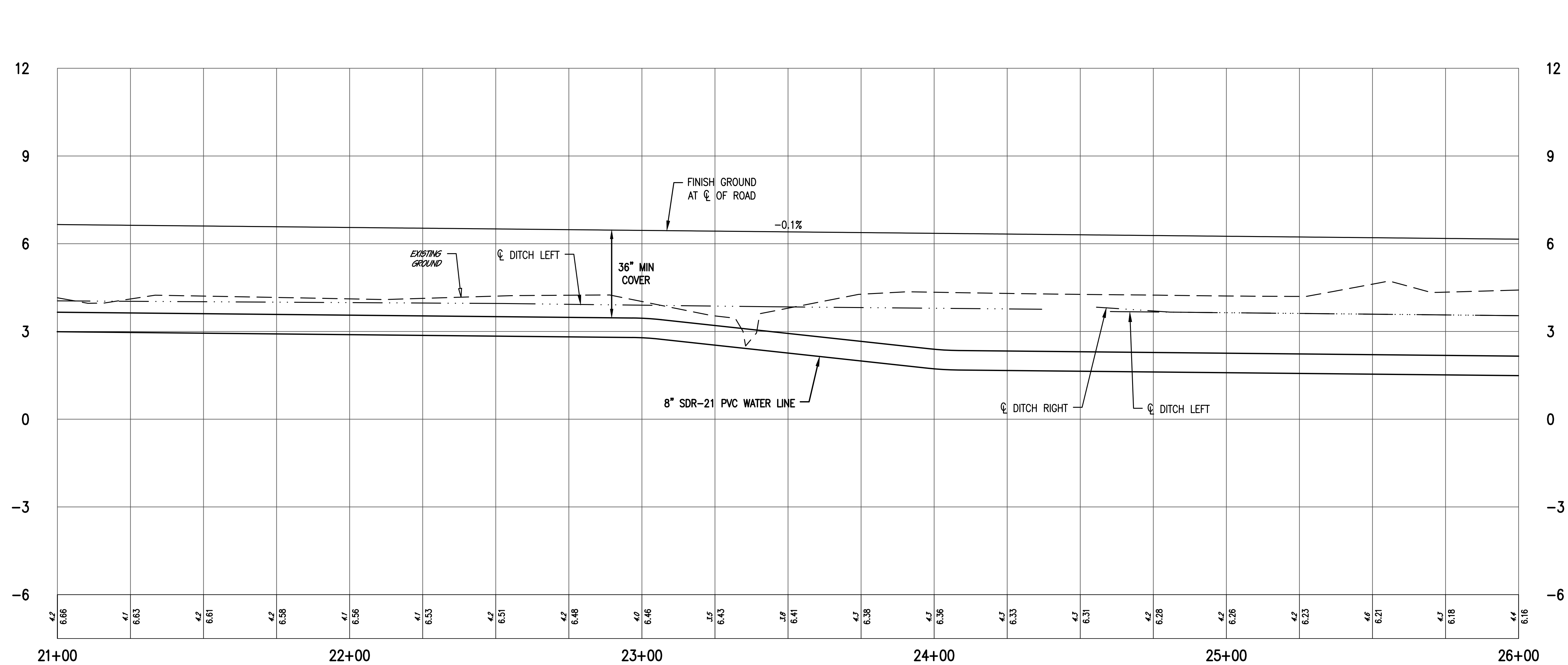
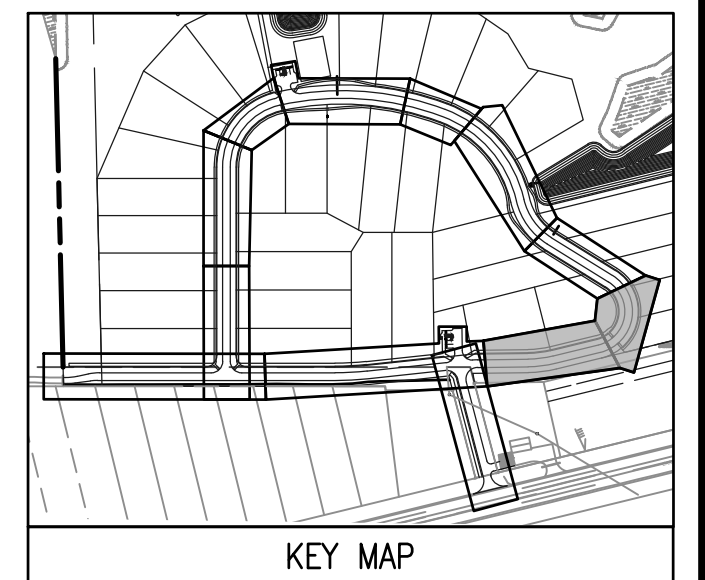


- ☐ NEW WORK KEYNOTES:

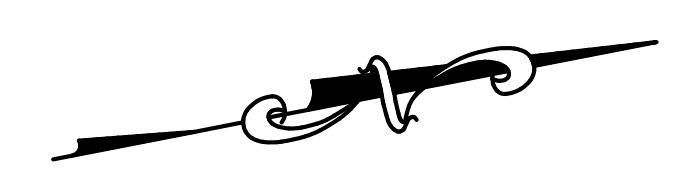
1. 5' CONCRETE SIDEWALK
2. ACCESSIBLE RAMP (TYP)
3. PEDESTRIAN CROSSWALK (TYP)
4. 8' CONCRETE SIDEWALK
5. NEW TREE LINE

COWELLS CREEK DRIVE (50' R/W)
SCALE: 1"=20'

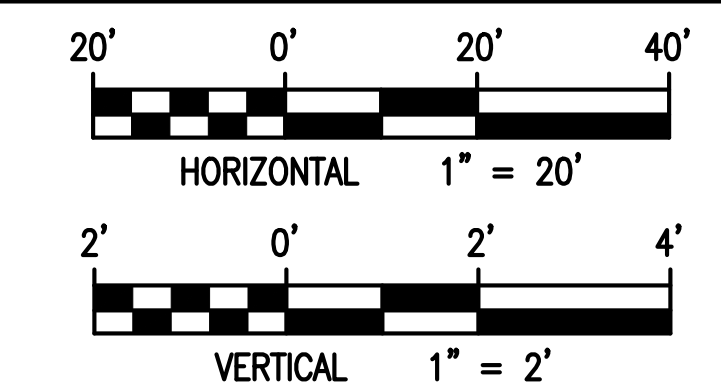
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BLOCK DETAILS AS SHOWN ON SHEET C-504



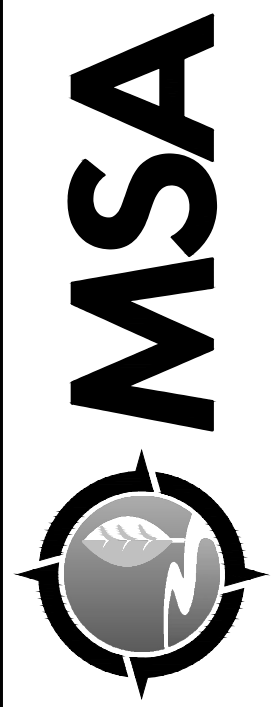
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- KEY MAP



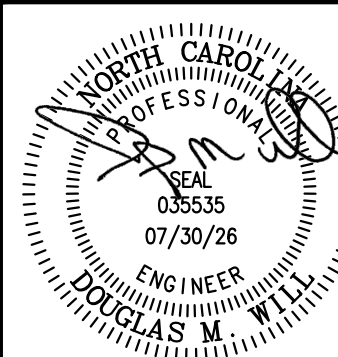
PLAN & PROFILE
OF
NEW BRIDGE CREEK

PROFILE
E CREEK
CURRITUCK COUNTY, NORTH CAROLINA

SHEET
CP105
22 of 32 Sheets
SCALE: GRAPHIC
PROJ. NO.: 24102



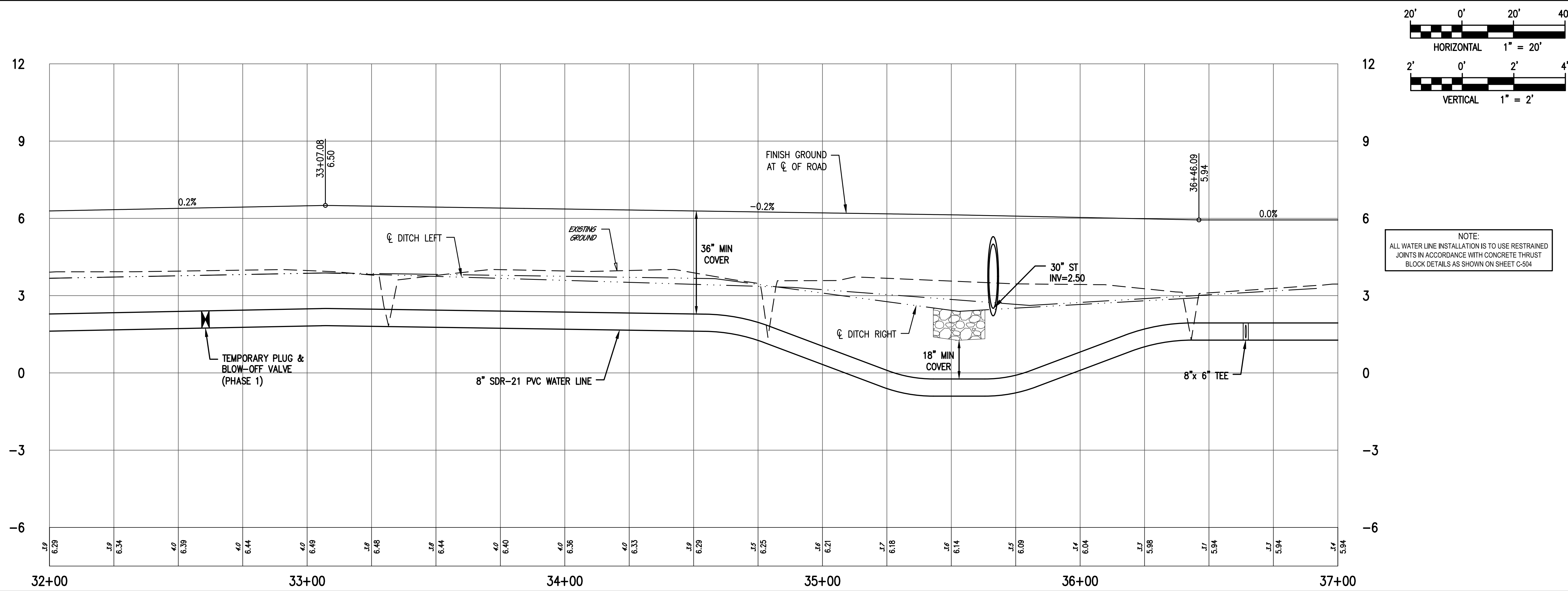
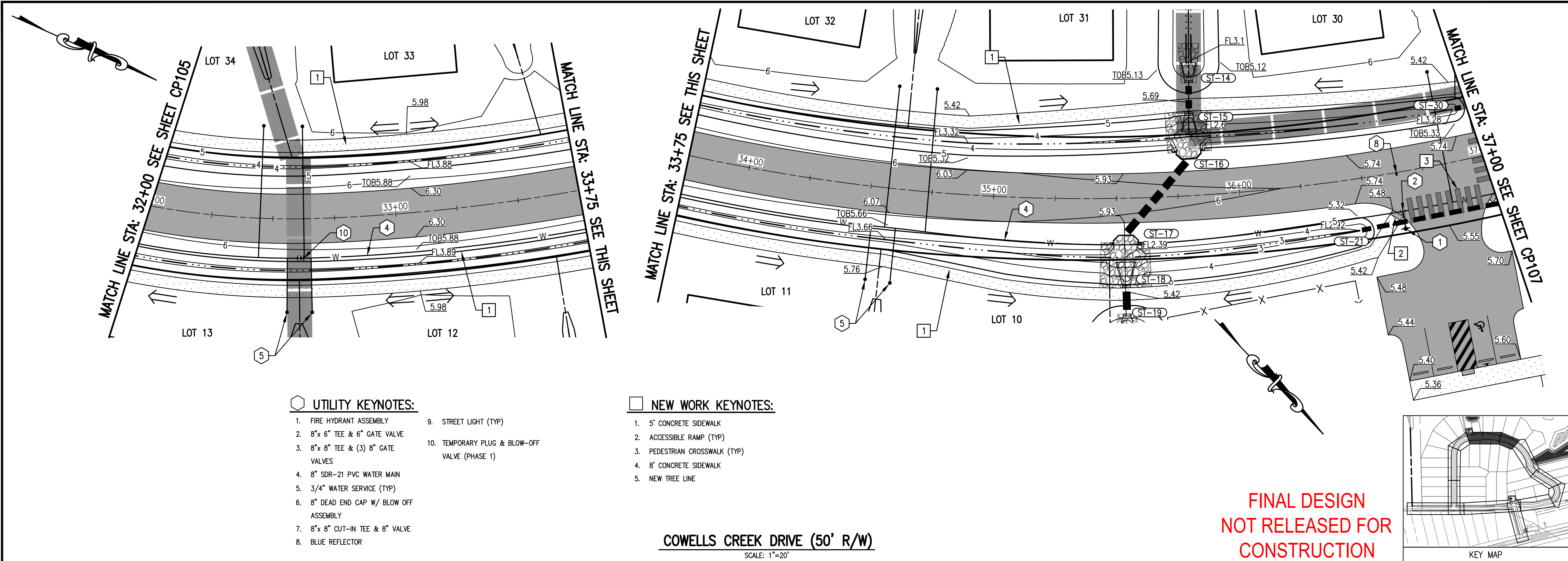
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APPROVED	DMW
DATE	07/30/26

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PROFESSIONAL SEAL
NORTH CAROLINA
ENGINEER
DOUGLAS M. WATTS
035535
07/30/26

DESIGNED	DRAWN	CHECKED	APPROVED	DATE
				07/30/26

REVISIONS

NO.	DESCRIPTION	DATE

**PLAN & PROFILE OF
NEW BRIDGE CREEK**

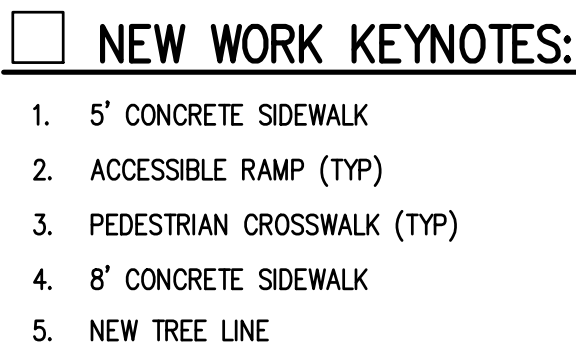
CURRITUCK COUNTY, NORTH CAROLINA

MOYOCK TOWNSHIP

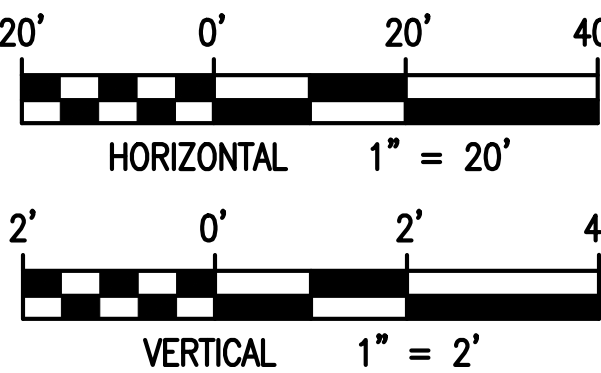
**SHEET
CP106**
23 of 32 Sheets

SCALE: GRAPHIC

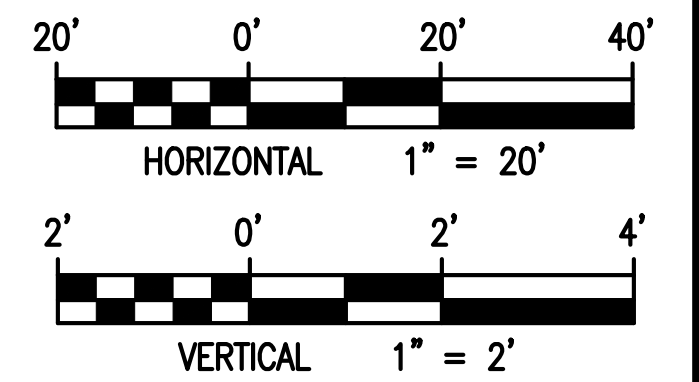
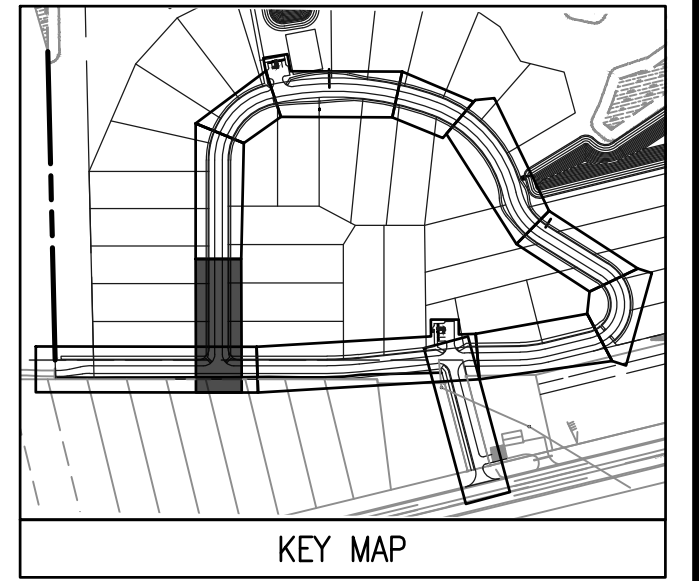
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KEY MAP

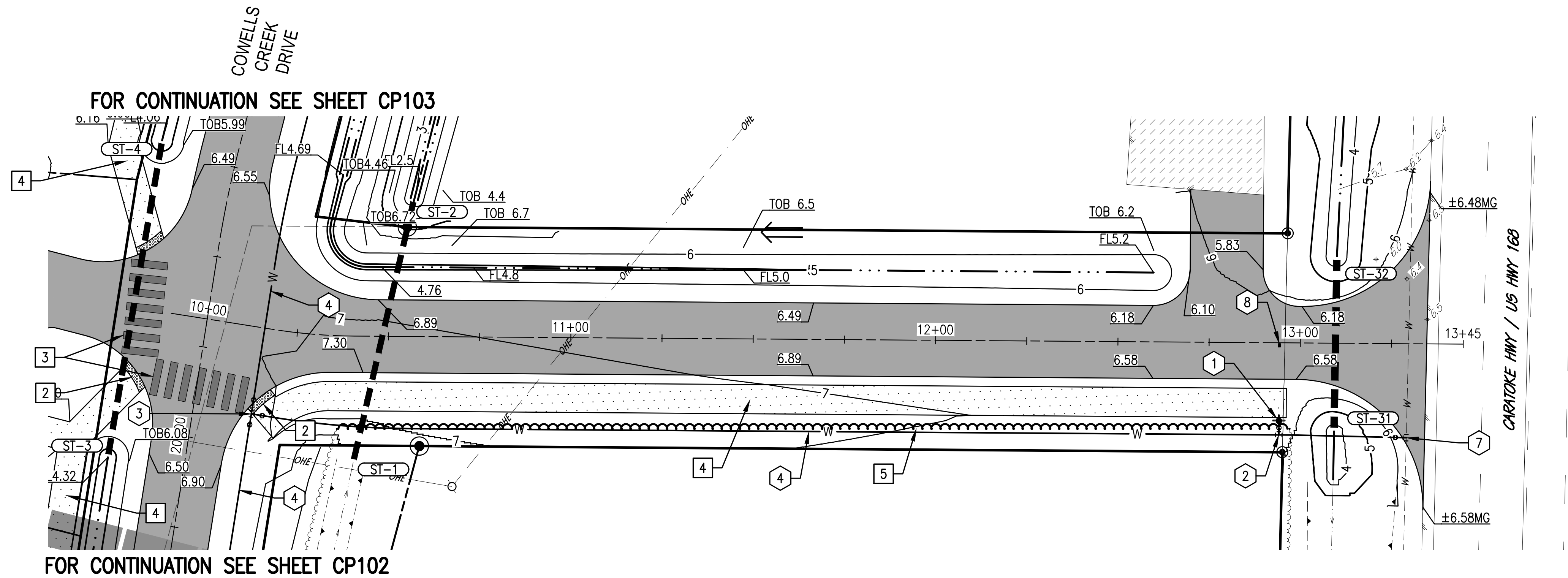


NOTE:
ALL WATER LINE INSTALLATION IS TO USE RESTRAINED
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BLOCK DETAILS AS SHOWN ON SHEET C-504

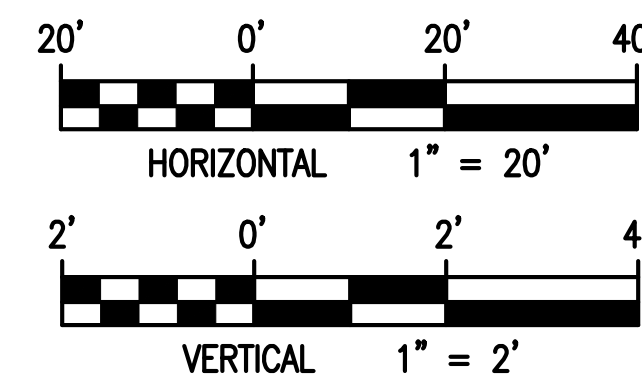
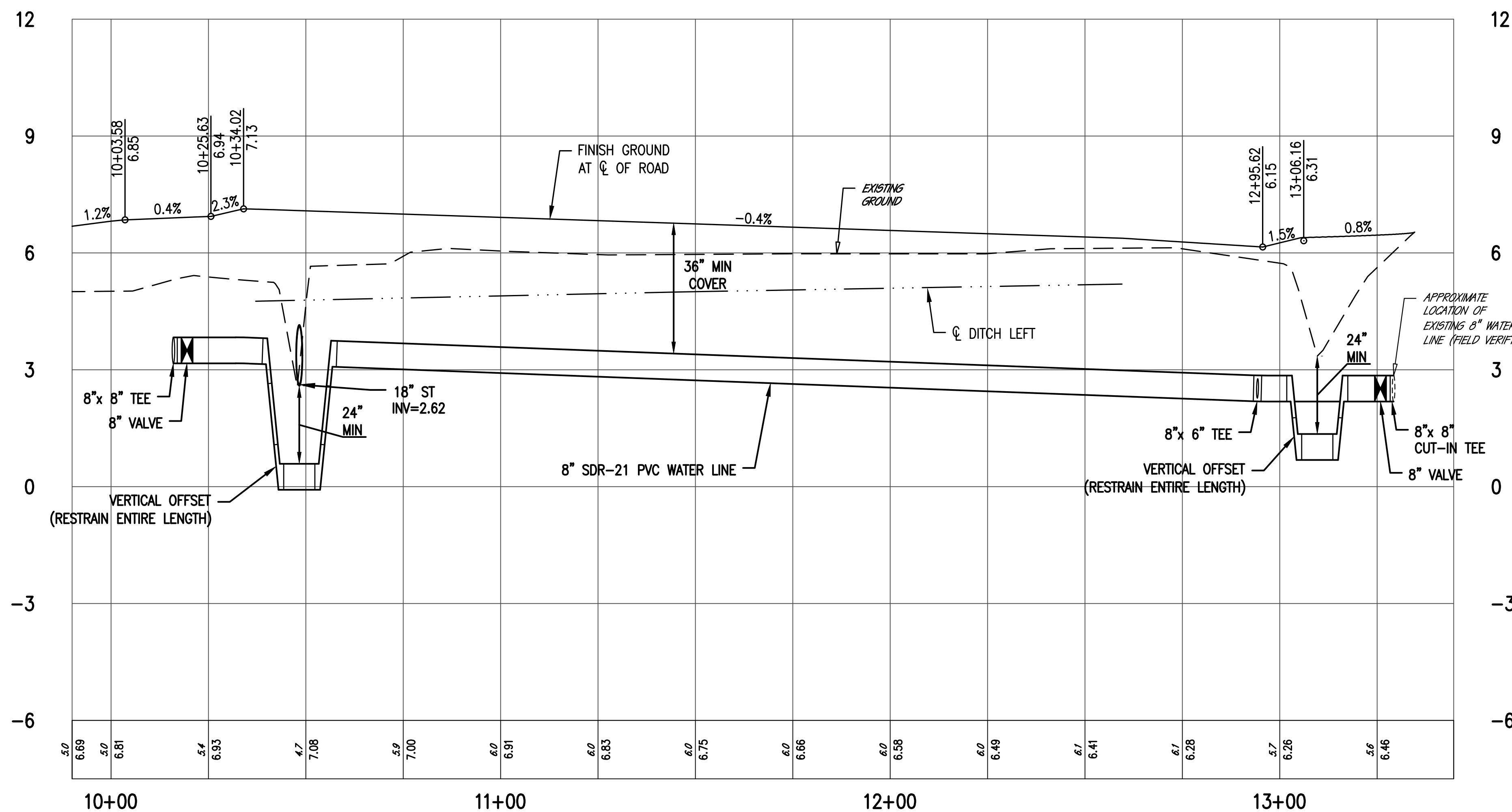
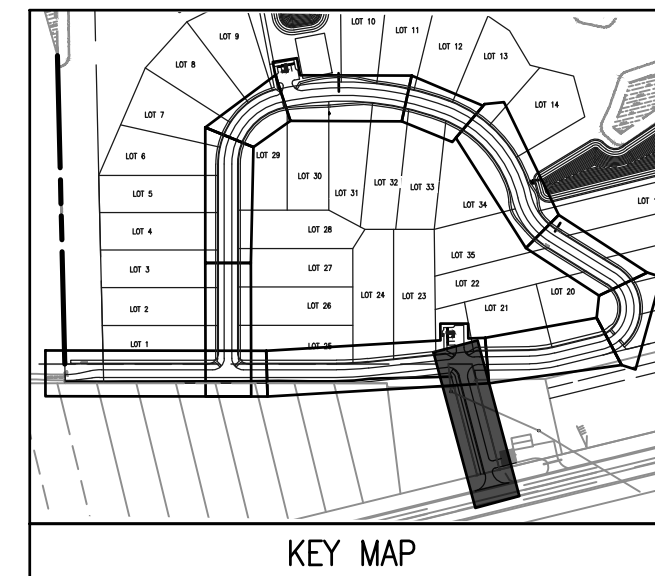


NOTE:
ALL WATER LINE INSTALLATION IS TO USE RESTRAINED
JOINTS IN ACCORDANCE WITH CONCRETE THRUST
BLOCK DETAILS AS SHOWN ON SHEET C-504

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DOUGLAS M. LITTLE
ENGINEER
035535
07/30/26

DESIGNED	DRAWN	CHECKED	APPROVED	DATE
EVL	JTP	DMW	DMW	07/30/26

PLAN & PROFILE
OF
NEW BRIDGE CREEK

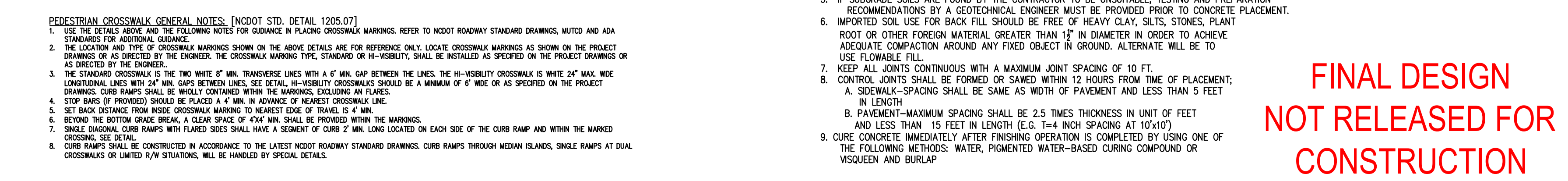
CURRITUCK COUNTY, NORTH CAROLINA

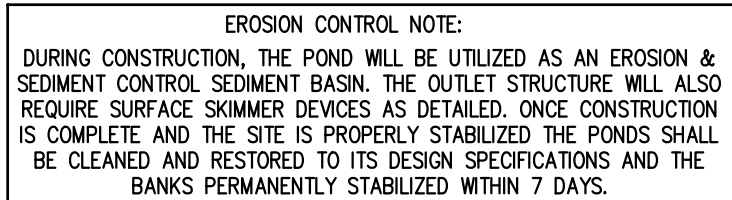
MOYOCK TOWNSHIP

SHEET
CP109
26 of 32 Sheets

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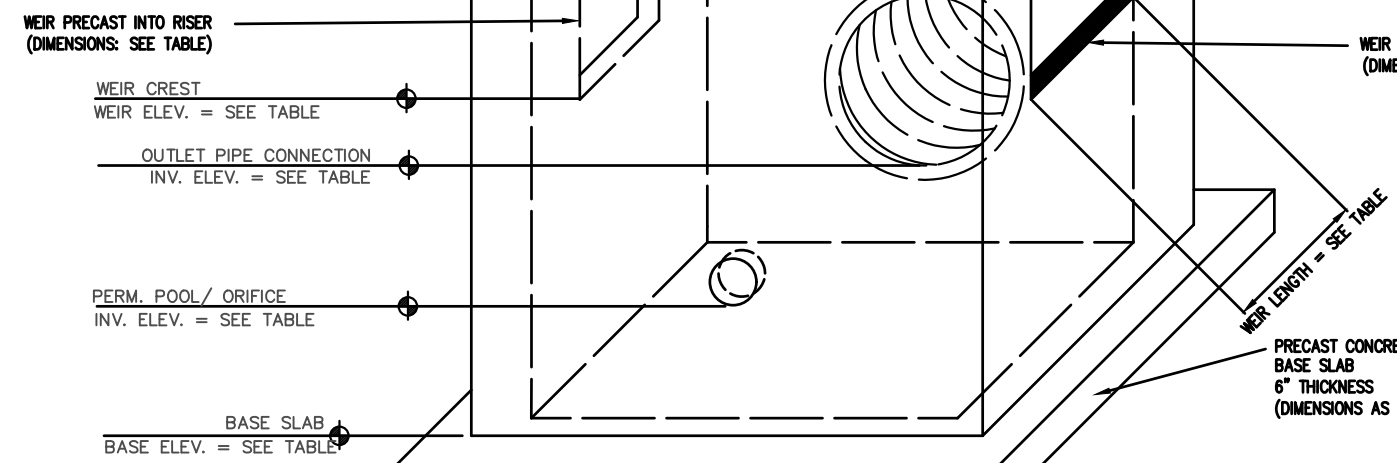
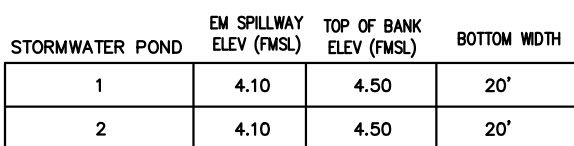


STORMWATER POND	MIN. TOP ELEV. (FMS)	100YR STORM STAGE (FMS)	10YR STORM STAGE (FMS)	PERM. POOL ELEV. (FMS)	SHELF BREAK ELEV. (FMS)	BOTTOM POND ELEV. (FMS)	DEPTH (FT)	SIDE SLOPE ABOVE SHELF	SIDE SLOPE BELOW SHELF	EMERGENCY SPILLWAY
1	4.50	4.27	3.80	1.50	0.0±	-10.0±	25.0±	6:1	3:1	20' WIDTH @ ELEV 4.1
2	4.50	4.27	3.90	1.00	0.0±	-22.0±	15.5±	6:1	3:1	20' WIDTH @ ELEV 4.1

BMP CONSTRUCTION SEQUENCE NOTES:

THE FOLLOWING SEQUENCE IS IN ADDITION TO THE "CONSTRUCTION SEQUENCE SCHEDULE" PROVIDED UNDER THE EROSION AND SEDIMENT CONTROL SPECIFICATIONS.

1. THE POND SHALL BE CONSTRUCTED AS DIRECTED ON THE PLAN AND DETAILS. PERIMETER SLOPE IMPROVEMENTS SHALL BE STABILIZED WITH TEMPORARY VEGETATION WITHIN 7 DAYS OF CONSTRUCTION. THIS WILL CREATE A TEMPORARY SEDIMENT BARRIER DURING PROJECT CONSTRUCTION. A GOOD TEMPORARY MEANS OF STABILIZATION IS A WET THROTTLED MUD MAT. THE MAT SHALL BE PLACED TO CAN GUTTERS TO PREVENT ANY UNDESIRABLE OVERBURDEN MATERIALS MAY BE PLACED BACK INTO THE POND. HOWEVER, THE FINAL BOTTOM SHALL NOT EXCEED THE ELEVATION NOTED ON THE PLAN AND DETAILS.
2. DURING CONSTRUCTION, THE POND WILL BE UTILIZED AS AN EROSION & SEDIMENT CONTROL SEDIMENT BASIN. ONCE CONSTRUCTION IS COMPLETE AND THE SITE IS PROPERLY STABILIZED THE POND SHALL BE CLEANED AND RESTORED TO ITS DESIGN SPECIFICATIONS AND THE BANKS PERMANENTLY STABILIZED WITHIN 7 DAYS.
3. FINAL PERMANENT RETENTION SHALL BE INSTALLED AND STABILIZED WITHIN 14 DAYS OF THE POND GRADING. PLANTINGS SHALL BE IN ACCORDANCE WITH THE PLANTING SPECIFICATIONS PROVIDED AND ANY AMENDMENTS DETERMINED IN THE ABOVE SEQUENCE.



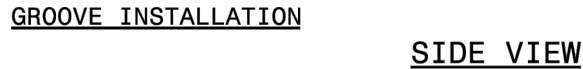
DURING CONSTRUCTION, AND UNTIL THE SITE IS STABILIZED, THE WEIRS ON THE DRAINOWN STRUCTURE SHALL BE TEMPORARILY SEALED AND FITTED WITH AN ADAPTER TO ATTACH A TEMPORARY SUMMER SOWER DEVICE. (SEE SUMMER DETAIL ON SHEET C-503)	THE CONTRACTOR SHALL CONFIRM ALL STRUCTURE DIMENSIONS AND COORDINATE WITH MANUFACTURER BEFORE FABRICATION	ASPH 1418 OR BOTH. 5. PIPE PENETRATION TO BE AS SPECIFIED. PIPE TO BE INSTALLED AS PER NCDDT STANDARDS FOR MORTAR JOINT CONNECTIONS. 6. JOINTS TO BE SEALED WITH BUTYL RUBBER JOINT SEALANT CONFORMING TO THE REQUIREMENTS OF ASTM C990, OR MORTAR JOINT PER NCDDT REQUIREMENTS OR BOTH. 7. ANY DEVIATIONS FROM THE APPROVED PLAN & SPECIFICATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
--	--	---

OUTLET CONTROL STRUCTURE TABLE



GENERAL PIPE INSTALLATION NOTES:

- ALL EXCAVATIONS SHALL COMPLY WITH THE TERMS AND CONDITIONS OF THE CONSTRUCTION STANDARDS FOR EXCAVATIONS IN OSHA SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION, CHAPTER VIII OF TITLE 29 PART 1926. THE CONTRACTOR SHALL HAVE A COMPETENT PERSON ON THE JOB AT ALL TIMES AND SHALL EMPLOY A PROFESSIONAL ENGINEER TO DESIGN AND SUPERVISE THE EXCAVATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND SHALL BE RESPONSIBLE FOR NOT OPERATING HEAVY EQUIPMENT OVER OR IN THE PIPE. THE PIPE CULVERT HAS BEEN PROPERLY BACKFILLED AND COVERED WITH AT LEAST 3 FEET OF APPROVED MATERIAL.
- THE PIPE CULVERT INSTALLATION SHALL BE INSTALLED IN ACCORDANCE WITH NCOTD TYPICAL STANDARD DETAIL 300091.
- OD = THE MAXIMUM HORIZONTAL INSIDE DIAMETER DIMENSION.
- OD = THE MAXIMUM HORIZONTAL OUTSIDE DIAMETER DIMENSION.
- H = THE FELL HEIGHT MEASURED VERTICALLY AT ANY POINT ALONG THE PIPE FROM THE TOP OF THE PIPE TO THE TOP OF THE EMBANKMENT OR THE BOTTOM OF THE PAVEMENT STRUCTURE AT THAT POINT.



VIEW



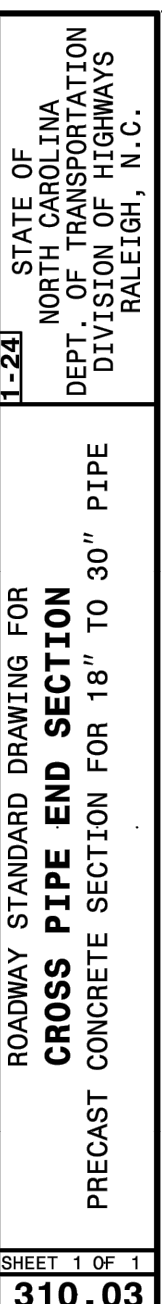
NOTES:

1. CONSTRUCT PIPE END SECTION USING #4 REBAR SPACED 9" EACH WAY AND MEET ALL REQUIREMENTS OF STD. SPEC. 310.
2. CHAMFER ALL EXPOSED CORNERS $\frac{3}{4}$ ".



ENDWALL DIMENSIONS							
FT.	MINIMUM	MTN./MAX.	MIN./MAX.	MIN./MAX.	MIN./MAX.	MIN./MAX.	MIN./MAX.
PIPE DIA.	BAR SIZE	H1 (FT.)	H2(FT.)	D (FT.)	W1	W2	
1.0	5/8 Ø B"	1.25/2.00	3.00/3.75	1.25/1.75	3.00/3.75	5.00/6.00	
1.25	5/8 Ø B"	1.25/2.00	3.00/3.75	1.25/2.00	3.50/3.75	6.50/6.75	
1.50	5/8 Ø B"	1.25/2.00	3.00/4.25	1.50/2.50	3.50/3.75	6.50/6.75	
2.0	5/8 Ø B"	1.50/2.50	4.00/4.75	1.75/2.50	4.00/4.25	7.50/8.25	
2.5	5/8 Ø B"	2.50/3.50	4.00/6.00	2.00/3.00	4.50/5.50	10.00/11.50	
3.0	5/8 Ø B"	3.00/4.50	5.00/6.00	2.75/3.50	5.25/5.75	11.50/11.75	
3.5	5/8 Ø B"	3.00/3.50	5.00/6.00	2.50/3.50	6.00/6.75	12.00/13.25	
4.0	5/8 Ø B"	4.00/5.00	5.00/7.00	3.00/4.00	6.00/6.75	13.00/13.25	
4.5	5/8 Ø B"	4.00/5.00	6.50/8.50	3.25/4.00	7.00/9.25	13.50/15.75	
5.0	5/8 Ø B"	4.50/5.00	7.00/8.50	3.25/4.00	7.25/9.25	13.75/15.75	
5.5	5/8 Ø B"	4.50/5.00	7.50/8.50	3.25/4.00	7.25/9.25	14.00/15.75	
6.0	5/8 Ø B"	4.50/5.00	7.50/8.50	3.25/4.00	7.75/9.25	14.75/16.75	

SHEET 1 OF 1
838.80



SHEET 1 OF 1
310.03

-06 STATE OF
NORTH CAROLINA
DEPT. OF TRANSPORTATION
DIVISION OF HIGHWAYS
RALEIGH, N.C.

SHEET 1 OF 1
838.80

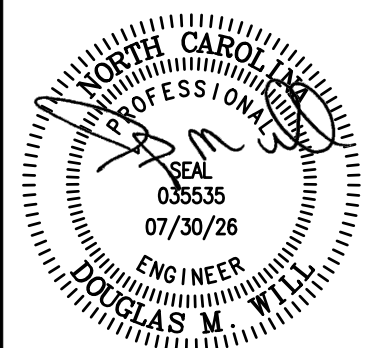
SHEET 1 OF 1
838.80

*Shorter lengths available. **Back pressure measured from pipe invert. Higher back pressure ratings available. Consult factory.



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DESIGNED	JTP
DRAWN	JTP
CHECKED	DMW
APPROVED	CSA
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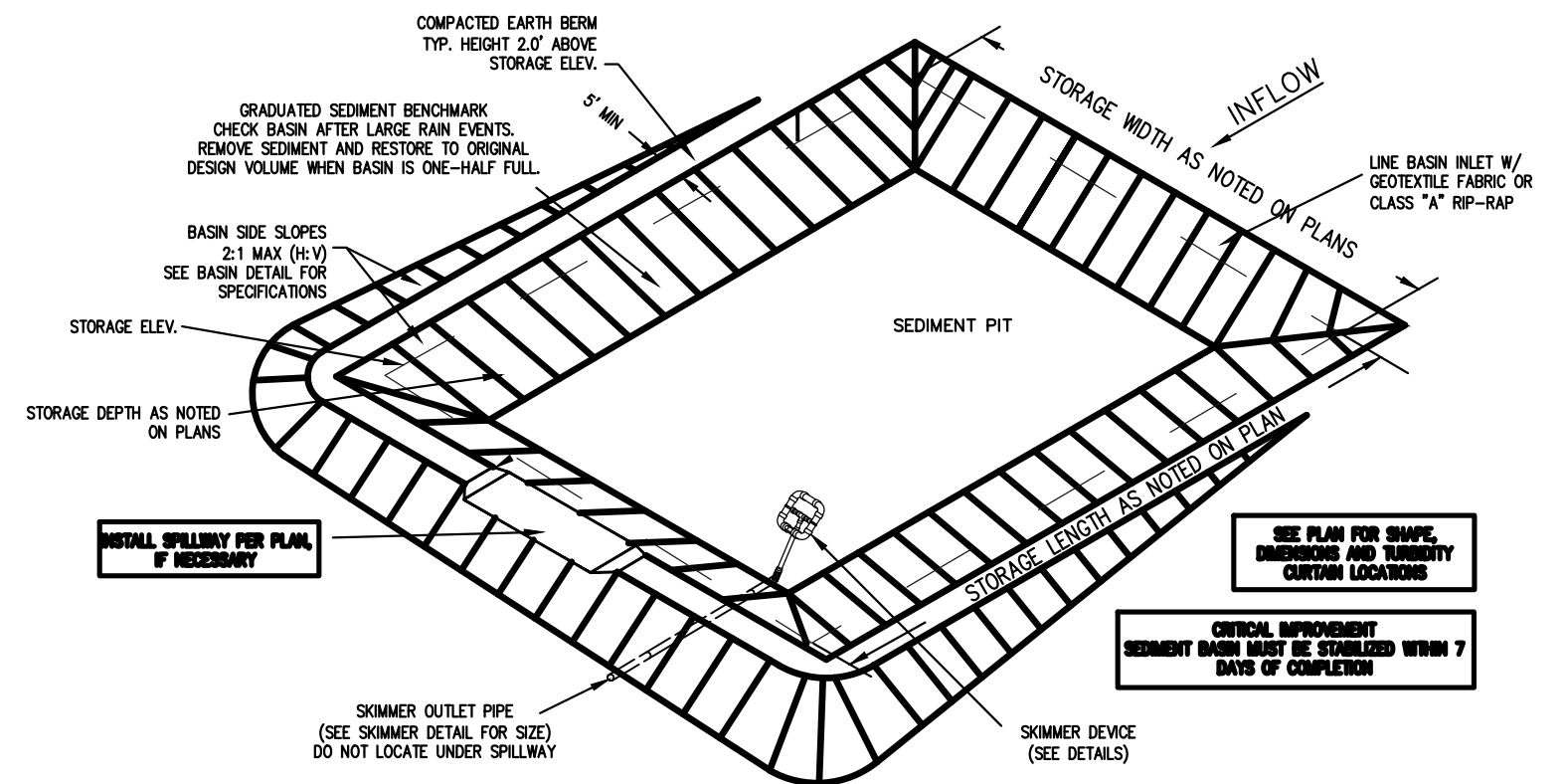
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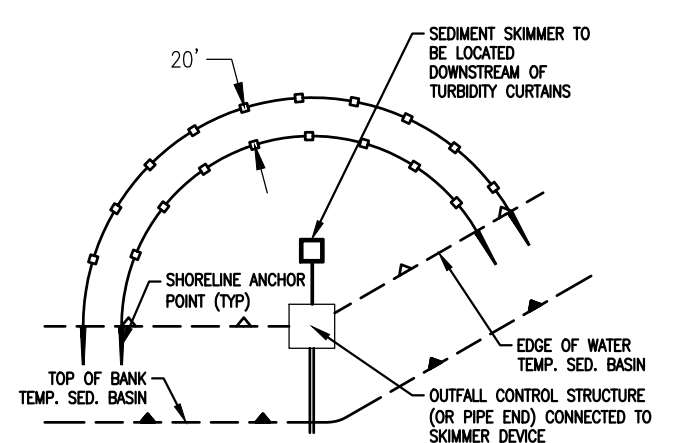
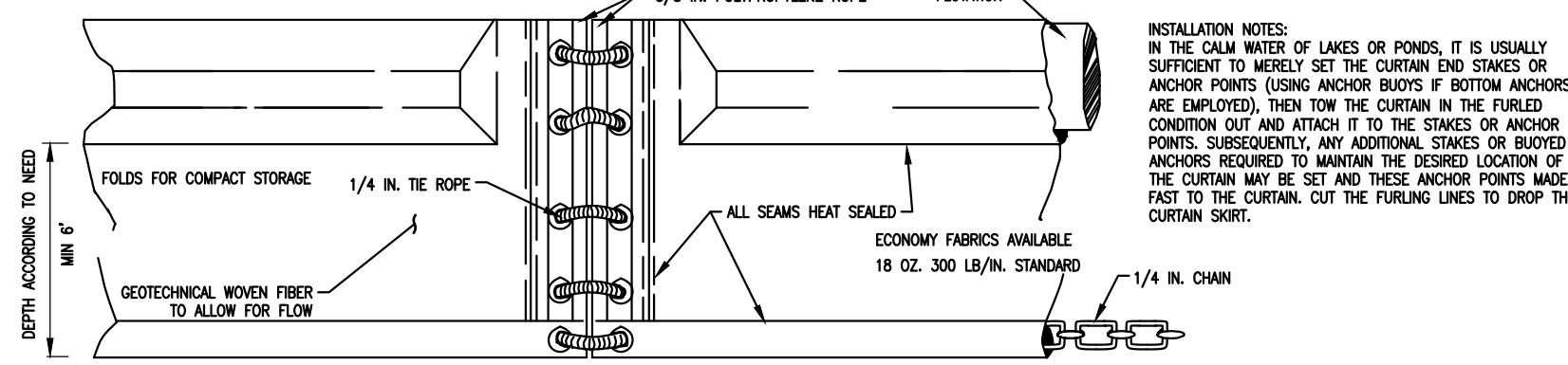
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C-502
28 of 32 Sheets
SCALE: AS SHOWN
PROJ. NO.: 24102

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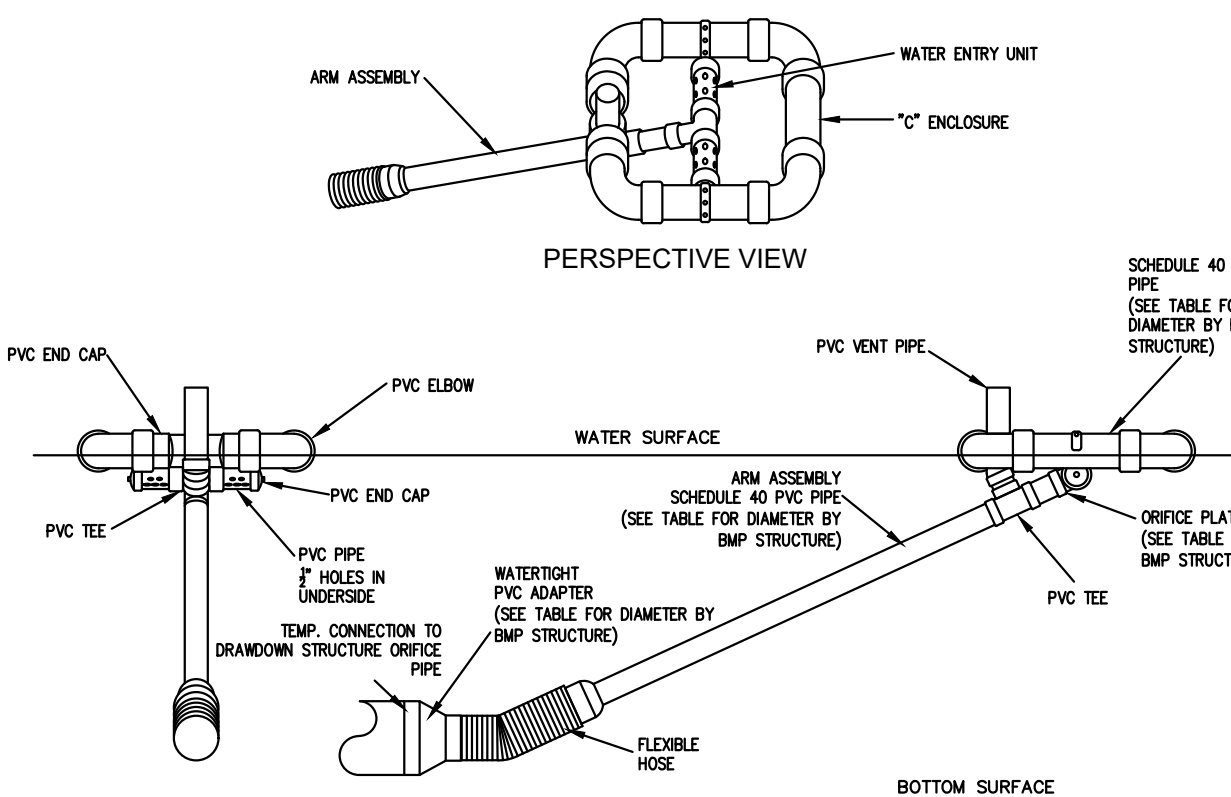
TYPICAL DEWATERING AND SEDIMENT BASIN DETAIL

- NOT TO SCALE
- CONSTRUCTION SPECIFICATIONS:
1. PLACE TEMPORARY SEDIMENT CONTROL MEASURES BELOW BASIN AS NEEDED. CLEAR, GRUB AND STRIP AREA. PROPERLY DISPOSE OF OBJECTIONABLE MATERIAL.
 2. CONSTRUCT SEDIMENTARY IN LIFTS OF 9 INCHES AND MACHINE COMPACT. ENSURE MATERIAL IS FREE OF ROOTS, WOOD AND OTHER OBJECTIONABLE MATERIALS.
 3. SHAPE BASIN TO SPECIFIED DIMENSIONS.
 4. PLACE OUTLET BARREL ON FIRM, SMOOTH IMPERVIOUS SOIL FOUNDATION. DO NOT USE SAND, GRAVEL OR CRUSHED STONE. PLACE FILL MATERIAL AROUND PIPE SPILLWAY IN 4 INCH LIFTS AND COMPACT TO MATCH ADJACENT EMBANKMENT.
 5. ASSEMBLE THE SKIMMER FOLLOWING MANUFACTURER'S INSTRUCTIONS OR AS DESIGNED.
 6. PROMOTE STONE OR THICK BED TO SET SKIMMER ON AND PREVENT SETTLEMENT INTO MUD. LAY ASSEMBLED SKIMMER ON BED WITH FLEXIBLE JOINT AT THE INLET OF THE OUTLET BARREL PIPE. ATTACHED SKIMMER AND OUTLET BARREL BE SURE TO ATTACH A ROPE TO THE SKIMMER AND ANCHOR IT TO THE SIDE OF THE BASIN. THIS WILL BE USED TO ACCESS THE SKIMMER FOR REMOVAL AND MAINTENANCE.
 7. INSTALL SPILLWAY IN UNDISTURBED SOIL TO THE GREATEST EXTENT PRACTICABLE. ACHIEVE SPILLWAY DIMENSIONS PROVIDED. LINE SPILLWAY WITH LAMINATED PLASTIC OR IMPERVIOUS GEOTEXTILE FABRIC. SECURE EDGES WITH 6-INCH STAPLES OR PINS. FABRIC MUST BE ENOUGH TO COVER BOTTOM AND SIDES WITH ONE PIECE. NO JOINTS OR SPLICES. FABRIC MUST BE LONG ENOUGH TO EXTEND UP, OVER AND DOWN ACROSS THE SPILLWAY AND EXTEND ONTO STABLE GROUND. IF NECESSARY, MULTIPLE FULL WIDTH LENGTHS MAY BE USED WITH UPPER SECTIONS OVERLAPPING LOWER SECTIONS.
 8. WATER MUST DISCHARGE INTO BASIN IN A MANNER TO PREVENT EROSION. LINE INLET WITH GEOTEXTILE FABRIC OR RP-RAP STONE. USE TEMPORARY SLOPE DRAINS OR DIVERSION WITH OUTLET PROTECTION TO INVERT RUNOFF TO THE UPPER END OF THE SEDIMENT BASIN.
 9. INSTALL TURBIDITY CURTAINS PER DETAILS PROVIDED.
 10. AFTER ALL DISTURBED AREAS TRIBUTARY TO THE BASIN HAVE BEEN PERMANENTLY STABILIZED, REMOVE THE STRUCTURE AND ALL THE UNSTABLE SEDIMENT. SMOOTH THE AREA TO BLEND WITH ADJACENT AREAS AND STABILIZE PROPERTY.



TYPICAL TURBIDITY CURTAIN DETAIL

- TURBIDITY CURTAIN SPECIFICATIONS:
1. MAINTAIN THE FILTER CURTAIN DURING THE PROJECT TO ENSURE THE CONTINUOUS PROTECTION OF THE WATERCOURSE.
 2. REPAIR THE FLOATING BARRIER AS NECESSARY USING REPAIR KITS AVAILABLE FROM THE MANUFACTURER. FOLLOW THE MANUFACTURER'S INSTRUCTIONS TO ENSURE THE ADEQUACY OF THE REPAIR.
 3. WHEN THE CURTAIN IS NO LONGER REQUIRED, REMOVE THE CURTAIN AND RELATED COMPONENTS TO MINIMIZE TURBIDITY. PRIOR TO REMOVAL, A RESURFACE COORDINATION WITH THE APPROPRIATE AUTHORITY IS RECOMMENDED.
 4. ENSURE THE REMAINING SEDIMENT IS SUFFICIENTLY SETTLED BEFORE REMOVING THE CURTAIN.
 5. TAKE CARE TO PROTECT THE SKIRT FROM DAMAGE AS THE TURBIDITY CURTAIN IS DRAGGED FROM THE WATER.
 6. THE SITE SELECTED TO BRING THE CURTAIN ASHORE SHOULD BE FREE OF SHARP ROCKS, BROKEN CEMENT, DEBRIS, AND OTHER HAZARDS TO MINIMIZE DAMAGE WHEN HAULING THE CURTAIN OVER THE AREA.
 7. IF THE CURTAIN HAS A DEEP SKIRT, IT CAN BE FURTHER PROTECTED BY RUNNING A SMALL BOAT ALONG ITS LENGTH WITH A CREW INSTALLING FURLING LINES BEFORE ATTEMPTING TO REMOVE THE CURTAIN FROM THE WATER.
 8. SEDIMENT MAY BE REMOVED AND THE ORIGINAL WATERCOURSE DEPTH (OR PLAN ELEVATION) RESTORED. TRANSPORT ANY SPOOLS TO AN UPLAND AREA AND STABILIZE THE SPOOLS. TO ENSURE COMPLIANCE WITH PERMIT CONDITIONS COORDINATION WITH THE APPROPRIATE AUTHORITY IS RECOMMENDED.



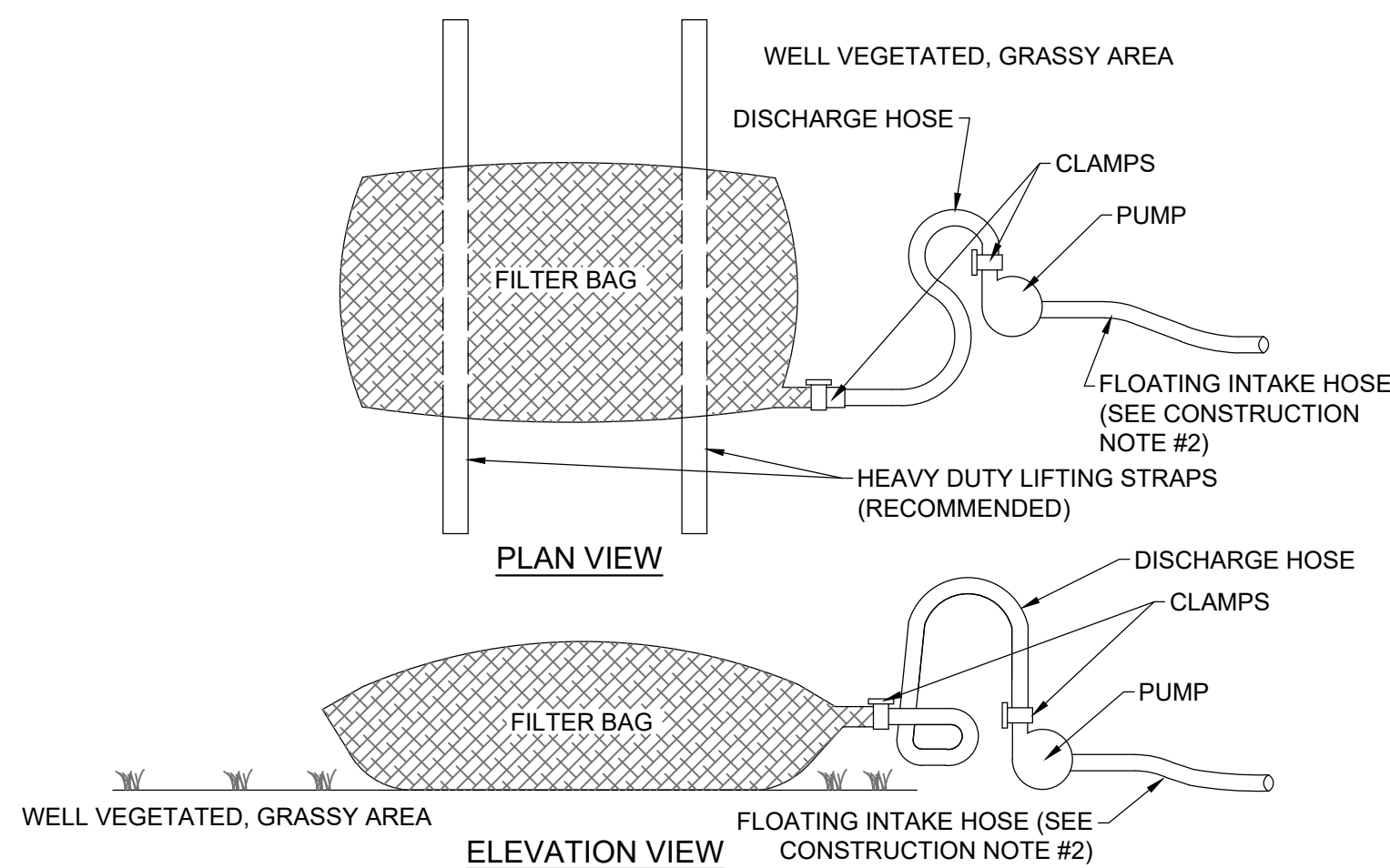
TYPICAL SKIMMER DETAIL

NOT TO SCALE. LOCATION AS NOTED ON PLAN

DETAIL MODIFIED FROM NOZDR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL

SKIMMER	PVC ARM AND ENCLOSURE DIA.	ORIFICE PLATE DIA.	PVC ADAPTER	CLEANOUT STORAGE ELEV & VOLUME
#1	6 INCHES	3 INCHES	6 INCH X OCS-1	-19.50, 25834 CF
#2	6 INCHES	3 INCHES	6 INCH X OCS-2	-8.00, 20585 CF

SKIMMER TABLE



SEDIMENT FILTER BAG DETAIL

NOT TO SCALE

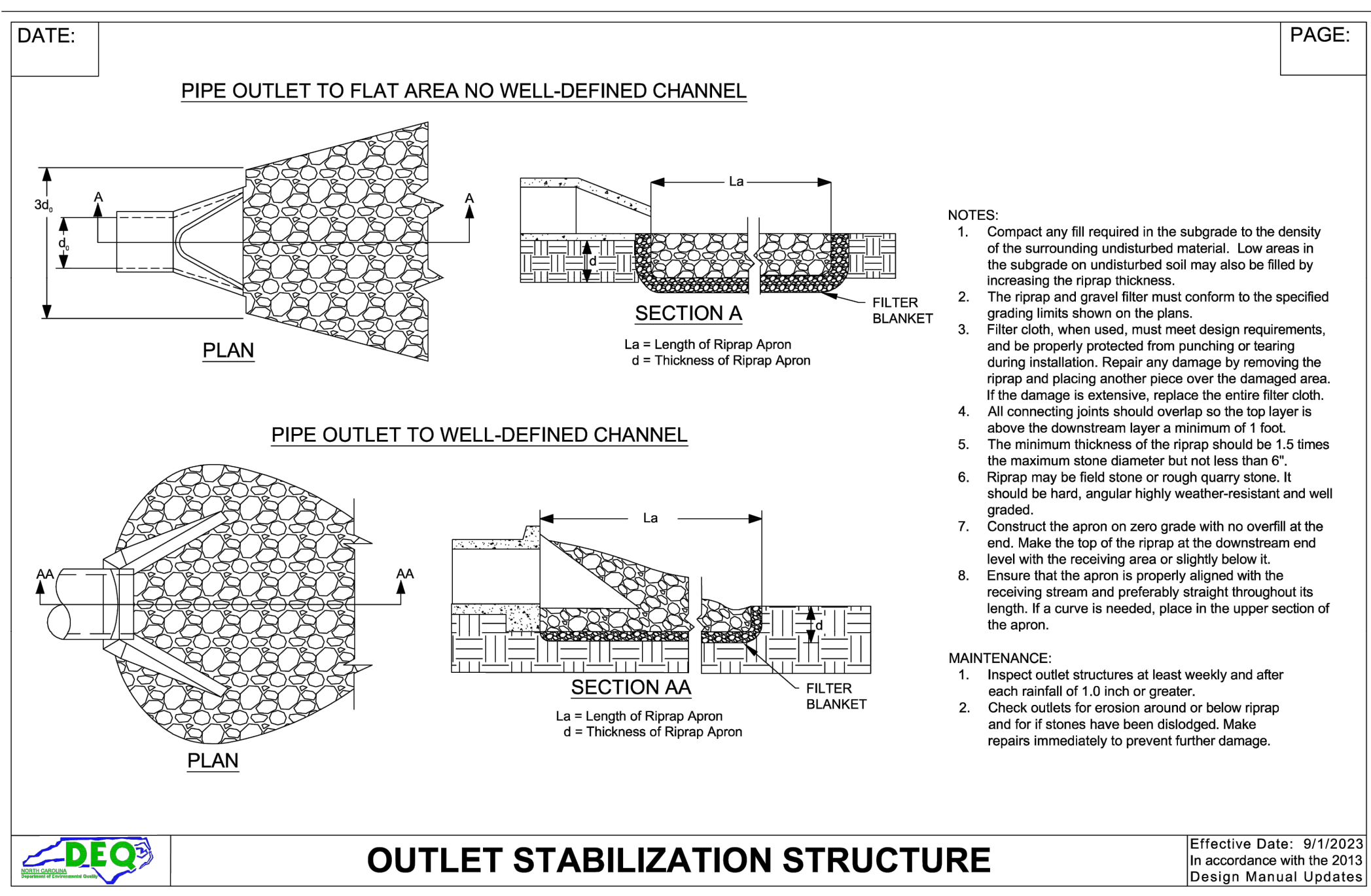
CONSTRUCTION NOTES:

THE FOLLOWING IS IN ADDITION TO THE "CONSTRUCTION SEQUENCE SCHEDULE" PROVIDED UNDER THE EROSION AND SEDIMENT CONTROL SPECIFICATIONS.

1. THE FILTER BAG SHALL BE CONTINUOUSLY MONITORED DURING OPERATION.
2. FLOATING INTAKE FOR PUMPING OPERATIONS SHALL BE LOCATED IN THE SKIMMER CELL.
3. SEE PLAN SHEETS FOR SEDIMENT FILTER BAG LOCATIONS PER EROSION & SEDIMENT CONTROL PHASE.

MAINTENANCE NOTES:

1. INSPECT THE FILTERING DEVICES DAILY AND REPAIR OR REPLACE ONCE THE SEDIMENT BUILDUP PREVENTS THE STRUCTURE FROM FUNCTIONING AS DESIGNED.
2. REMOVE THE ACCUMULATED SEDIMENT FROM THE DEWATERING DEVICE. SPREAD ON SITE, AND STABILIZE OR DISPOSE OF AT AN APPROVED DISPOSAL SITE AS PER APPROVED PLAN.
3. MONITOR THE DEWATERING STRUCTURE DURING OPERATION TO ENSURE THAT THE DISCHARGE IS NOT CAUSING EROSION. PROVIDE SOIL STABILIZATION BLANKETS AND MATING OR COMPOST FILTER SOCKS AS NEEDED TO MAINTAIN STABILIZED AREAS DOWNSTREAM OF STRUCTURE.



OUTLET STABILIZATION STRUCTURE

Effective Date: 9/1/2023
In accordance with the 2013 Design Manual Updates

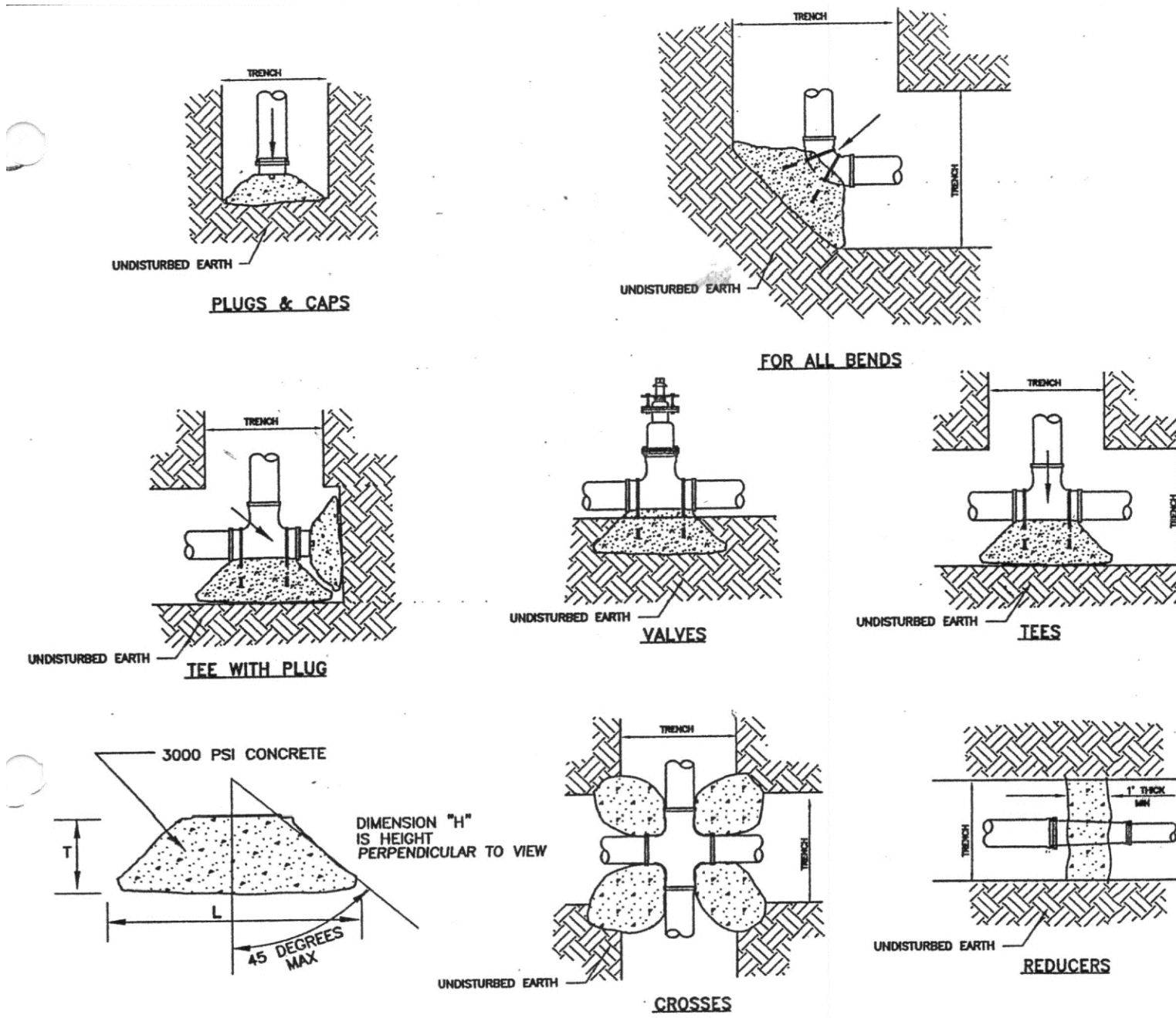
STRUCTURE ID (SEE STORM SCHEDULE ON SHEET CG101)	APRON LENGTH (La) (FT)	APRON WIDTH AT PIPE OUTLET (FT)	APRON WIDTH AT OUTLET END (FT)	APRON THICKNESS (d) (IN)	MEDIAN STONE DIAMETER (IN)	MAXIMUM STONE DIAMETER (IN)
ST-7	18	6	9.2	9.45	4.2	6.3
ST-8, ST-9	SEE PLAN SHEET FOR AREA	SEE PLAN SHEET FOR AREA	SEE PLAN SHEET FOR AREA	21.6	9.6	14.4
ST-10, ST-11	SEE PLAN SHEET FOR AREA	SEE PLAN SHEET FOR AREA	SEE PLAN SHEET FOR AREA	21.6	9.6	14.4
OP-2	15	6	8	10.8	4.8	7.2
ST-14	16	6	8.4	13.5	6	9
ST-15, ST-16	SEE PLAN SHEET FOR AREA	SEE PLAN SHEET FOR AREA	SEE PLAN SHEET FOR AREA	13.5	6	9
ST-17, ST-18	SEE PLAN SHEET FOR AREA	SEE PLAN SHEET FOR AREA	SEE PLAN SHEET FOR AREA	13.5	6	9
ST-19	20	7.5	10.5	17.55	7.8	11.7
OP-1	15	6	8	8.1	3.6	5.4

OUTLET STABILIZATION TABLE

WATER MAIN SPECIFICATIONS AND DETAILS FOR THIS PLAN, INCLUDING ALL MATERIALS AND INSTALLATION METHODS SHALL BE PROVIDED, INSTALLED, TESTED AND ACCEPTED IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS AND DETAILS FOR THE CURRITUCK COUNTY WATER DEPARTMENT AND THE SOUTHERN OUTER BANKS WATER SYSTEM" AS APPROVED BY NCDEQ-DWR-PWS, SERIAL NUMBER 11-00630, LATEST REVISION.

A MINIMUM OF 36" OF COVER SHALL BE MAINTAINED OVER THE INSTALLED WATER MAIN.

A MINIMUM OF 24" OF SEPARATION SHALL BE PROVIDED FROM BOTTOM OF STORM DRAIN TO TOP OF WATER MAIN.



TYPICAL THRUST BLOCK

ANCHOR ROD SIZES

PIPE SIZE	ROD SIZE
4" THRU 6"	#4
8" THRU 10"	#6
12" THRU 18"	#8

CONCRETE THRUST BLOCK

PIPE SIZE	FITTING	L (FT.)	H (FT.)	T (FT.)
2 - 3 - 4	TEE OR BLOCK	2.0	1.0	1.0
2 - 3 - 4	90	2.0	1.5	1.0
2 - 3 - 4	45	1.5	1.0	1.0
2 - 3 - 4	22 1/2	1.0	1.0	1.0
6	TEE OR BLOCK	2.0	2.0	1.0
6	90	3.0	2.0	1.5
6	45	2.0	1.5	1.0
6	22 1/2	1.5	1.0	1.0
8	TEE OR BLOCK	3.0	2.5	1.5
8	90	4.0	2.5	2.0
8	45	2.5	2.0	1.5
8	22 1/2	2.0	1.5	1.0
12	TEE OR BLOCK	4.0	4.0	2.0
12	90	5.0	4.5	2.5
12	45	4.0	3.0	2.0
12	22 1/2	3.0	2.0	1.5

NOTE:
THIS TABLE BASED ON WATER PRESSURE 150 PSI
SOIL BRG. 1500 #/SQ. FT. TO 2000 #/SQ. FT.

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CONSTRUCTION

MSA

ENGINEERS | SCIENTISTS | SURVEYORS

5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM

DESIGNED

DRAWN

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APPROVED

DATE

JTP

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CSA

07/30/26

REVISION

NO.

DATE

DESCRIPTION

E&S CONTROL AND MISCELLANEOUS DETAILS

OF

NEW BRIDGE CREEK

A 35 LOT RESIDENTIAL SUBDIVISION

CURRITUCK COUNTY NORTH CAROLINA

MOYOCK TOWNSHIP

SHEET

C-504

30 of 32 Sheets

SCALE: AS SHOWN

PROJ. NO.: 24102

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GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT

Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	7	None
(b) High Quality Water (HQP) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10 feet or less in length and are not steeper than 2:1, 14 days are allowed
(d) Slopes 3:1 to 4:1	14	-7 days for slopes greater than 50' in length and with slopes steeper than 4:1
		-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones
(e) Areas with slopes flatter than 4:1	14	-10 days for Falls Lake Watershed

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
- Temporary grass seed covered with straw or other mulches and tackifiers. - Hydroseeding - Rolled erosion control products with or without temporary grass seed - Appropriately applied straw or other mulch - Plastic sheeting	- Permanent grass seed covered with straw or other mulches and tackifiers - Geotextile fabrics such as permanent soil reinforcement matting (PRSM) - Hydroseeding - Shrubs or other permanent plantings covered with mulch - Uniform and evenly distributed ground cover sufficient to restrain erosion - Structural methods such as concrete, asphalt or retaining walls - Rolled erosion control products with grass seed

Note: The use of techniques listed above which promote and assist in establishment of vegetation does not constitute permanent stabilization prior to the establishment of permanent vegetation.

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

- Select flocculants that are appropriate for the soils being exposed during construction, selecting from the NC DWR List of Approved PAMS/Flocculants
- Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
- Apply flocculants at the concentrations specified in the NC DWR List of Approved PAMS/Flocculants and in accordance with the manufacturer's instructions.
- Provide ponding area for containment of treated Stormwater before discharging offsite.
- Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

- Do not dump paint and other liquid waste into storm drains, streams or wetlands.
- Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- Contain liquid wastes in a controlled area.
- Containment must be labeled, sized and placed appropriately for the needs of site.
- Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS

- Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

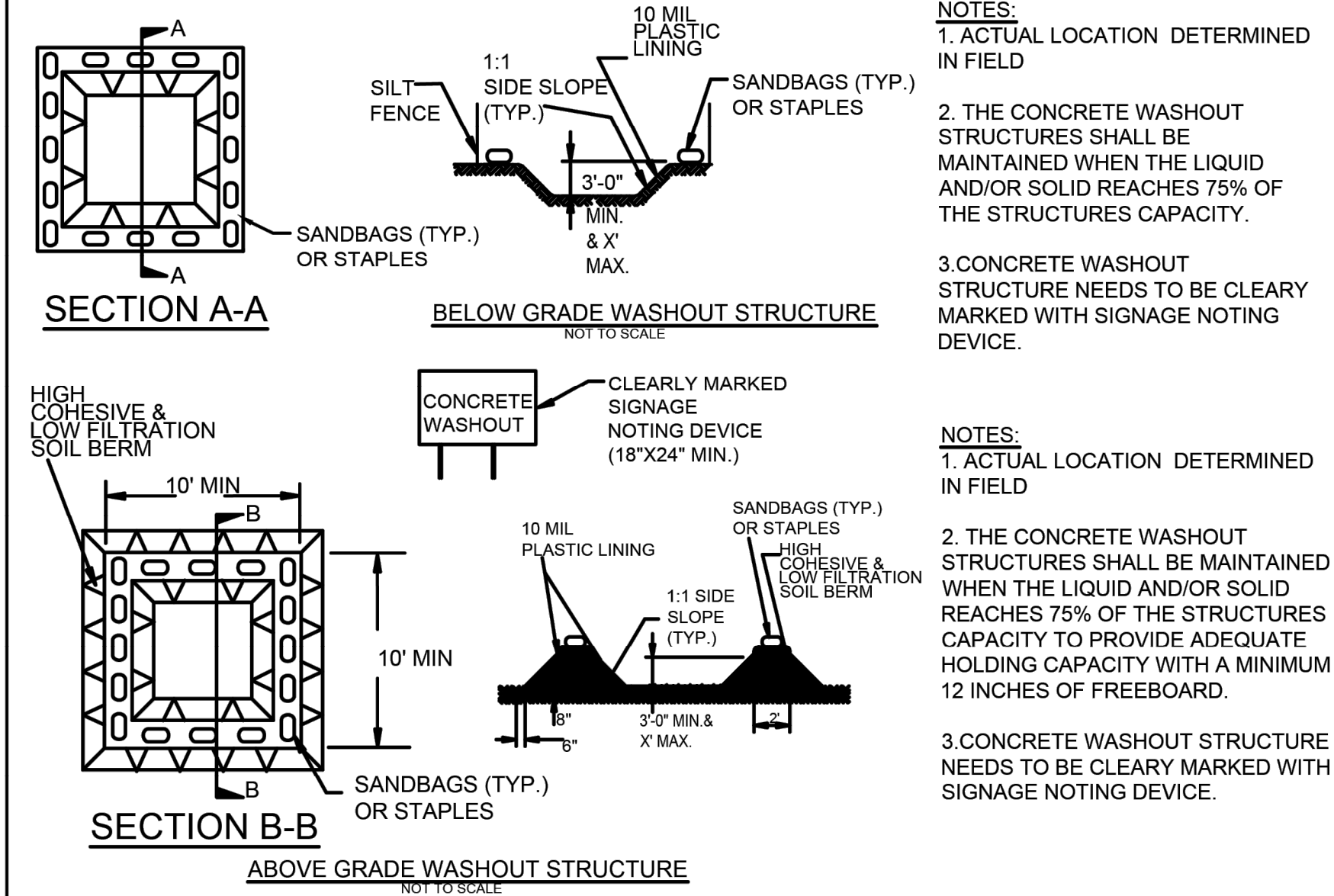
EARTHEN STOCKPILE MANAGEMENT

- Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets and surface waters unless it can be shown no other alternatives are reasonably available. It is recommended to locate stockpile areas at least 50 feet away from skimmer basins and anywhere stormwater flow is concentrated.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.

HAZARDOUS AND TOXIC WASTE

- Create designated hazardous waste collection areas on-site.
- Place hazardous waste containers under cover or in secondary containment.
- Do not store hazardous chemicals, drums or bagged materials directly on the ground.

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



CONCRETE WASHOUTS

- Do not discharge concrete or cement slurry from the site.
- Dispose of, or recycle settled, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
- Manage washout from mortar mixers in accordance with the above item and in addition place the mixer and associated materials on impervious barrier and within lot perimeter silt fence.
- Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail.
- Do not use concrete washouts for dewatering or storing defective curb or sidewalk sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.
- Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive spills or overflow.
- Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the approving authority.
- Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location.
- Remove leavings from the washout when at approximately 75% capacity to limit overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.
- At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

HERBICIDES, PESTICIDES AND RODENTICIDES

- Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
- Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
- Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately.
- Do not stockpile these materials onsite.



GROUND COVER & MATERIALS HANDLING

Effective:
April 1, 2024

FINAL DESIGN
NOT RELEASED FOR
CONSTRUCTION

ENGINEERS | SCIENTISTS | SURVEYORS

5032 ROUSE DRIVE, SUITE 200 | VIRGINIA BEACH, VA 23462 | 757.490.9264 | MSAONLINE.COM

PROFESSIONAL SEAL

05535
07/30/26
ENGINEER
DOUGLAS M. WILKIE

DESIGNED	JTP
DRAWN	JTP
CHECKED	DWJ
APPROVED	CSA
DATE	07/30/26

REVISIONS

NO.	DESCRIPTION	DATE

NGC01-GROUND COVER & MATERIALS HANDLING

OF

NEW BRIDGE CREEK

A 35 LOT RESIDENTIAL SUBDIVISION

CURRITUCK COUNTY NORTH CAROLINA

MOYOCK TOWNSHIP

SHEET

C-505

31 of 32 Sheets

SCALE: AS SHOWN

PROJ. NO.: 24102

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INSPECTION, RECORD KEEPING AND REPORTING

Effective:
April 1, 2024

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PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING SECTION A: SELF-INSPECTION

Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend on holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "Zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&SC Measures	At least once per 7 calendar days and within 24 hours of a rain event $\geq$ 1.0 inch in 24 hours.	1. Identification of the measures inspected 2. Date and Time of the inspection 3. Name of the person performing the inspection 4. Indication of whether the measures were operating properly 5. Description of maintenance needs for the measure 6. Description, Evidence, and date of corrective actions taken
(3) Stormwater discharge outfalls(SDOs)	At least once per 7 calendar days and within 24 hours of a rain event $\geq$ 1.0 inch in 24 hours.	1. Identification of the discharge outfalls inspected 2. Date and Time of the inspection 3. Name of the person performing the inspection 4. Evidence of indicators of stormwater pollution such as oil sheen, floating or suspended solids or discoloration 5. Indication of visible sediment leaving the site 6. Description, Evidence, and date corrective actions taken
(4) Perimeter of Site	At least once per 7 calendar days and within 24 hours of a rain event $\geq$ 1.0 inch in 24 hours.	If visible Sedimentation is found outside site limits, then record of the following shall be made: 1) Actions taken to clean up or stabilize sediment that has left the site limits 2) Description, Evidence and date of corrective actions taken 3) An explanation as to the actions taken to control future releases
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event $\geq$ 1.0 inch in 24 hours.	If the stream or wetland has increased visible sedimentation or has visible increased turbidity from the construction activity, then a record of the following shall be made: 1) Description, Evidence and date of corrective actions taken 2)Records of required reports to the appropriate Division Regional Office per Part III, Section C, Item(2)(a) of this permit
(6) Ground Stabilization Measures	After each phase of grading.	1. The phase of grading (installation of perimeter E&SC measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING SECTION B: RECORDKEEPING

1. E&SC Plan Documentation
The approved E&SC plan as well as any approved deviation shall be kept on the site. The approved E&SC plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&SC plan shall be kept on site and available for inspection at all times during normal business hours.

Item to Document	Document Requirements
(a) Each E&SC measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&SC plan.	Initial and date each E&SC measure on a copy of the approved E&SC plan or complete, date and sign an inspection report that lists each E&SC measure shown on the approved E&SC plan. This documentation is required upon the initial installation of the E&SC measures or if the E&SC measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&SC plan.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&SC measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&SC measures.	Initial and date a copy of the approved E&SC plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation to be Kept on Site
In addition to the E&SC plan documents above, the following items shall be kept on the site and available for inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:
 - (a) This General Permit as well as the Certificate of Coverage, after it is received.
 - (b) Records of inspections made during the previous twelve months. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if shown to provide equal access and utility as the hard-copy records.
3. Documentation to be Retained for Three Years*
*All data used to complete the e-NOI and all inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING SECTION C: REPORTING

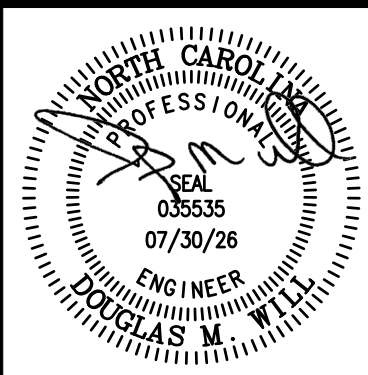
1. Occurrences that Must be Reported
Permittees shall report the following occurrences:
 - (a) Visible sediment deposition in a stream or wetland.
 - (b) Oil spills if:
 - They are 25 gallons or more,
 - They are less than 25 gallons but cannot be cleaned up within 24 hours,
 - They cause sheen on surface waters (regardless of volume), or
 - They are within 100 feet of surface waters (regardless of volume).
 - (c) Releases of hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA (Ref: 40 CFR 302.4) or G.S. 143-215.85.
 - (d) Anticipated bypasses and unanticipated bypasses.
 - (e) Noncompliance with the conditions of this permit that may endanger health or the environment.
2. Reporting Timeframes and Other Requirements
After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Department's Environmental Emergency Center personnel at (800) 858-0368.

Occurrence	Reporting Timeframe (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	• Within 24 hours, an oral or electronic notification. • Within 7 Calendar Days, a report that contains a description of the sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. • If the stream is named on the NC 303(d) list as impaired for sediment-related caused, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions.
(b) Oil spills and release of hazardous substances per item 1(b)-(c) above	• Within 24 Hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	• <i>A report at least ten days before the date of the bypass, if possible.</i> The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	• Within 24 Hours, an oral or electronic notification • Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(l)(7)]	• Within 24 Hours, an oral or electronic notification • Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance. [40 CFR 122.41(l)(6). • Division staff may waive the requirement for a written report on a case-by-case basis.

PART II, SECTION G, ITEM (4) DRAW DOWN OF SEDIMENT BASINS FOR MAINTENANCE OR CLOSE OUT

Sediment basins and traps that receive runoff from drainage areas of one acre or more shall use outlet structures that withdraw water from the surface when these devices need to be drawn down for maintenance or close out unless this is infeasible. The circumstances in which it is not feasible to withdraw water from the surface shall be rare (for example, times with extended cold weather). Non-surface withdrawals from sediment basins shall be allowed only when all of the following criteria have been met:

- (a) The E&SC plan authority has been provided with documentation of the non-surface withdrawal and the specific time periods or conditions in which it will occur. The non-surface withdrawal shall not commence until the E&SC plan authority has approved these items,
- (b) The non-surface withdrawal has been reported as an anticipated bypass in accordance with Part III, Section C, Item (2)(c) and (d) of this permit,
- (c) Dewatering discharges are treated with controls to minimize discharges of pollutants from stormwater that is removed from the sediment basin. Examples of appropriate controls include properly sited, designed and maintained dewatering tanks, weir tanks, and filtration systems,
- (d) Vegetated, upland areas of the sites or a properly designed stone pad is used to the extent feasible at the outlet of the dewatering treatment devices described in Item (c) above,
- (e) Velocity dissipation devices such as check dams, sediment traps, and riprap are provided at the discharge points of all dewatering devices, and
- (f) Sediment removed from the dewatering treatment devices described in Item (c) above is disposed of in a manner that does not cause deposition of sediment into waters of the United States.



DESIGNED	JTP	DATE	07/30/26
DRAWN	JTP		
CHECKED	DWW		
APPROVED	CSA		

REVISION	DESCRIPTION	DATE	BY

NCC01-INSPECTION, RECORD KEEPING & REPORTING
OF
NEW BRIDGE CREEK
A 35 LOT RESIDENTIAL SUBDIVISION
CURRITUCK COUNTY NORTH CAROLINA
MOYOCK TOWNSHIP

SHEET	C-506
32 of 32 Sheets	
SCALE:	AS SHOWN
PROJ. NO.:	24102