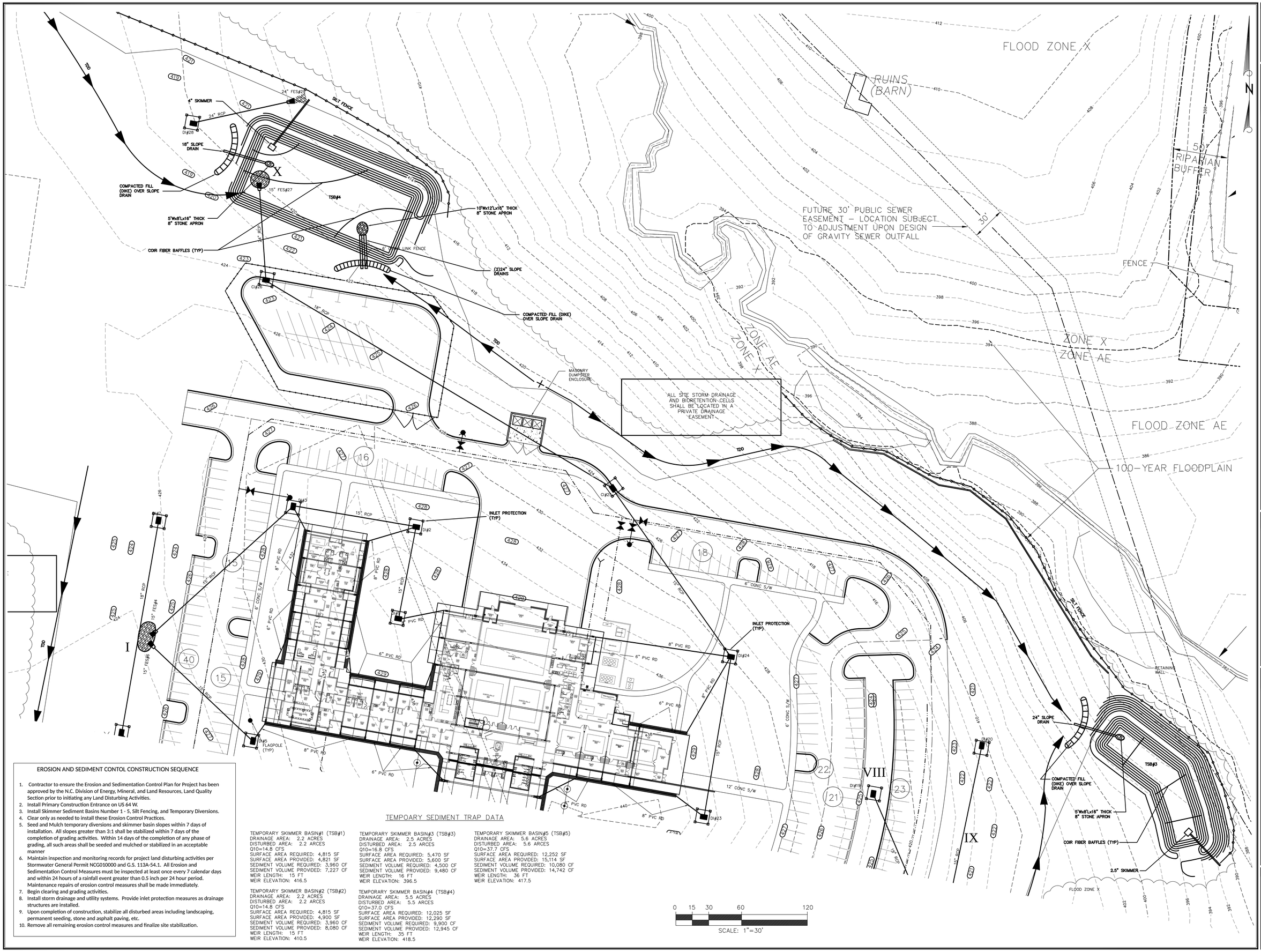

EROSION AND SEDIMENT CONTOL CONSTRUCTION SEQUENCE

1. Contractor to ensure the Erosion and Sedimentation Control Plan for Project has been approved by the N.C. Division of Energy, Mineral, and Land Resources, Land Quality Section prior to initiating any Land Disturbing Activities.
2. Install Primary Construction Entrance on US 64 W.
3. Install Skimmer Sediment Basins Number 1 - 5, Silt Fencing, and Temporary Diversions.
4. Clear only as needed to install these Erosion Control Practices.
5. Seed and Mulch temporary diversions and skimmer basin slopes within 7 days of installation. All slopes greater than 3:1 shall be stabilized within 7 days of the completion of grading activities. Within 14 days of the completion of any phase of grading, all such areas shall be seeded and mulched or stabilized in an acceptable manner
6. Maintain inspection and monitoring records for project land disturbing activities per Stormwater General Permit NCG010000 and G.S. 113A-54.1. All Erosion and Sedimentation Control Measures must be inspected at least once every 7 calendar days and within 24 hours of a rainfall event greater than 0.5 inch per 24 hour period. Maintenance repairs of erosion control measures shall be made immediately.
7. Begin clearing and grading activities.
8. Install storm drainage and utility systems. Provide inlet protection measures as drainage structures are installed.
9. Upon completion of construction, stabilize all disturbed areas including landscaping, permanent seeding, stone and asphalt paving, etc.
10. Remove all remaining erosion control measures and finalize site stabilization.

TEMPOARY SEDIMENT TRAP DATA

TEMPORARY SKIMMER BASIN#1 (TSB#1)
DRAINAGE AREA: 2.2 ACRES
DISTURBED AREA: 2.2 ACRES
Q10=14.8 CFS
SURFACE AREA REQUIRED: 4,815 SF
SURFACE AREA PROVIDED: 4,821 SF
SEDIMENT VOLUME REQUIRED: 3,960 CF
SEDIMENT VOLUME PROVIDED: 7,227 CF
WEIR LENGTH: 15 FT
WEIR ELEVATION: 416.5

TEMPORARY SKIMMER BASIN#2 (TSB#2)
DRAINAGE AREA: 2.2 ACRES
DISTURBED AREA: 2.2 ACRES
Q10=14.8 CFS
SURFACE AREA REQUIRED: 4,815 SF
SURFACE AREA PROVIDED: 4,900 SF
SEDIMENT VOLUME REQUIRED: 3,960 CF
SEDIMENT VOLUME PROVIDED: 8,080 CF
WEIR LENGTH: 15 FT
WEIR ELEVATION: 410.5

TEMPORARY SKIMMER BASIN#3 (TSB#3)
DRAINAGE AREA: 2.5 ACRES
DISTURBED AREA: 2.5 ACRES
Q10=16.8 CFS
SURFACE AREA REQUIRED: 5,470 SF
SURFACE AREA PROVIDED: 5,600 SF
SEDIMENT VOLUME REQUIRED: 4,500 CF
SEDIMENT VOLUME PROVIDED: 9,480 CF
WEIR LENGTH: 16 FT
WEIR ELEVATION: 396.5

TEMPORARY SKIMMER BASIN#4 (TSB#4)
DRAINAGE AREA: 5.5 ACRES
DISTURBED AREA: 5.5 ACRES
Q10=37.0 CFS
SURFACE AREA REQUIRED: 12,025 SF
SURFACE AREA PROVIDED: 12,290 SF
SEDIMENT VOLUME REQUIRED: 9,900 CF
SEDIMENT VOLUME PROVIDED: 12,945 CF
WEIR LENGTH: 35 FT
WEIR ELEVATION: 418.5

TEMPORARY SKIMMER BASIN#5 (TSB#5)
DRAINAGE AREA: 5.6 ACRES
DISTURBED AREA: 5.6 ACRES
Q10=37.7 CFS
SURFACE AREA REQUIRED: 12,252 SF
SURFACE AREA PROVIDED: 15,114 SF
SEDIMENT VOLUME REQUIRED: 10,080 CF
SEDIMENT VOLUME PROVIDED: 14,742 CF
WEIR LENGTH: 36 FT
WEIR ELEVATION: 417.5

0 15 30 60 120
SCALE: 1"=30'

CONSTRUCTION DRAWING SEDIMENTATION AND EROSION CONTROL PLAN

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CONSTRUCTION DRAWING SET

DATE 04-09-14

C6.2

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