

TENNESSEE D.O. T.

DESIGN DIVISION

FILE NO.

SWPPP INDEX OF SHEETS

DESCRIPTION

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NOTE: CITATIONS IN PARENTHESIS INDICATE SECTIONS OF THE CURRENT CGP.

1. SWPPP REQUIREMENTS (3.0)

1.1. HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL THAT HAS THE FOLLOWING CERTIFICATIONS (3.1.1)?  
YES ☒ NO ☐ (CHECK ALL THAT APPLY BELOW)

1.1.1. ☒ CERTIFIED PROFESSIONAL IN EROSION AND SEDIMENT CONTROL (CPESC); OR

1.1.2. ☒ TDEC LEVEL II

1.2. DO THE EPSC PLANS INVOLVE STRUCTURAL DESIGN, HYDRAULIC, HYDROLOGIC OR OTHER ENGINEERING CALCULATIONS FOR EPSC STRUCTURAL MEASURES (SEDIMENT BASINS, ETC.)?(3.1.1)? YES ☐ NO ☒  
IF YES, HAVE THE EPSC PLANS BEEN PREPARED, STAMPED AND CERTIFIED BY A LICENSED PROFESSIONAL ENGINEER OR LANDSCAPE ARCHITECT?  
☐ YES ☐ NO

1.3. DO THE PROJECT STORMWATER OUTFALLS DIRECTLY DISCHARGE INTO THE FOLLOWING (5.4.1)? YES ☒ NO ☐ (CHECK ALL THAT APPLY BELOW)

1.3.1. ☒ IMPAIRED WATERS (303d FOR SILTATION OR HABITAT ALTERATION)

1.3.2. ☐ KNOWN EXCEPTIONAL TENNESSEE WATERS  
IF YES TO SECTION 1.3, HAVE THE EPSC PLANS BEEN PREPARED BY AN INDIVIDUAL WHO HAS COMPLETED TDEC LEVEL II? (5.4.1.b)  
☒ YES ☐ NO ☐ N/A (MAY 23, 2013 CGP EXEMPTION); AND  
IF YES TO SECTION 1.3, HAS THE SWPPP TEMPLATE BEEN PREPARED BY AN INDIVIDUAL WHO HAS COMPLETED TDEC LEVEL II? (5.4.1.b)  
☒ YES ☐ NO ☐ N/A (MAY 23, 2013 CGP EXEMPTION)

2. SITE DESCRIPTION (3.5.1)

2.1. PROJECT LIMITS (3.5.1.g): REFER TO TITLE SHEET

2.2. PROJECT DESCRIPTION (3.5.1.a):  
TITLE: SR-30; White Street, Near Park  
Street in Athens to the 4-Lane Section in Etowah  
COUNTY: McMinn  
PIN: 100255.03

2.3. SITE MAP(S) (3.5.1.g): REFER TO TITLE SHEET

2.4. DESCRIPTION OF EXISTING SITE TOPOGRAPHY (3.5.1.d): REFER TO EXISTING CONTOURS SHEET(S) 22A-22E, DRAINAGE MAP SHEET(S) 16, USGS QUAD MAP, AND THE OUTFALL TABLE IN SECTION 4.2.3 BELOW.

2.5. MAJOR SOIL DISTURBING ACTIVITIES (3.5.1.b) (CHECK ALL THAT APPLY):

2.5.1. ☒ CLEARING AND GRUBBING

2.5.2. ☒ EXCAVATION

2.5.3. ☒ CUTTING AND FILLING

2.5.4. ☒ FINAL GRADING AND SHAPING

2.5.5. ☒ UTILITIES

2.5.6. ☐ OTHER (DESCRIBE): \_\_\_\_\_

2.6. TOTAL PROJECT AREA (3.5.1.c): 22.52 ACRES

2.7. TOTAL AREA TO BE DISTURBED (3.5.1.c): 19.17 ACRES  
IF GREATER THAN 50 ACRES, HAS CONSTRUCTION PROJECT PHASING BEEN SPECIFIED IN SECTION 3 BELOW AND IN THE PLANS (3.5.3.1.k)?  
YES ☐ NO ☐ N/A ☒

2.8. ARE THERE ANY SEASONAL LIMITATIONS ON WORK? YES ☐ NO ☒  
IF YES, DESCRIBE AND LIST THE CORRESPONDING PLAN SHEET: \_\_\_\_\_

2.9. WAS ROW FINALIZED PRIOR TO FEBRUARY 1, 2010 (4.1.2.2)?  
YES ☐ \_\_\_\_\_ (DATE) NO ☒  
  
IF ROW WAS FINALIZED PRIOR TO FEBRUARY 1, 2010 THIS PROJECT IS CONSIDERED A PRE-APPROVED SITE (4.1.2.2)

2.10. ARE UTILITIES INCLUDED IN THE CONTRACT? YES ☒ NO ☐

2.11. SOIL PROPERTIES (3.5.1.e)(4.1.1).  
SOIL PROPERTIES FOR THE PRIMARY SOILS ARE LISTED IN THE TABLE BELOW.

| SOIL PROPERTIES                     |     |           |                       |
|-------------------------------------|-----|-----------|-----------------------|
| PRIMARY SOIL NAME                   | HSG | % OF SITE | ERODIBILITY (k value) |
| FRC - Fullerton-Urban Land Complex  | B   | 2         | 0.28                  |
| HA - Hamblen Silt Loam              | B/D | 19        | 0.37                  |
| URC - Urban Land                    | -   | 39        | -                     |
| WNC - Waynesboro-Urban Land Complex | B   | 40        | 0.37                  |

2.12. IS ACID PRODUCING ROCK (APR) (i.e. PYRITE) LOCATED WITHIN THE PROJECT LIMITS? YES ☐ NO ☒

2.12.1. IF YES TO SECTION 2.12, HAVE APR LOCATIONS BEEN IDENTIFIED WITHIN THE CONSTRUCTION PLANS AND/OR THE GEOTECHNICAL REPORT? ☐ YES ☐ NO; AND

2.12.2. IF YES TO SECTION 2.12.1, HAS A SPECIAL HANDLING PLAN AND/OR ADAPTIVE MANAGEMENT PLAN (AMP) BEEN PREPARED FOR THE PROJECT? ☐ YES ☐ NO ☐ N/A (TDOT SP107L WILL BE APPLIED.)

2.13. PROJECT RUNOFF COEFFICIENTS AND AREA PERCENTAGES (3.5.1.f).

| RUNOFF COEFFICIENTS FOR EXISTING CONDITIONS |           |                              |           |          |
|---------------------------------------------|-----------|------------------------------|-----------|----------|
| AREA TYPE                                   | AREA (AC) | PERCENTAGE OF TOTAL AREA (%) | RUNOFF CN | C FACTOR |
| IMPERVIOUS, (ROADS, SHOULDER, ETC.)         | 17.43     | 77                           | 98        |          |
| PERVIOUS – B, OPEN SPACE                    | 2.97      | 14                           | 61        |          |
| PERVIOUS – B/D, OPEN SPACE                  | 2.12      | 9                            | 70.5      |          |
| WEIGHTED CURVE NUMBER OR C-FACTOR =         |           |                              | 91        |          |

| RUNOFF COEFFICIENTS FOR POST-CONSTRUCTION CONDITIONS |           |                              |           |          |
|------------------------------------------------------|-----------|------------------------------|-----------|----------|
| AREA TYPE                                            | AREA (AC) | PERCENTAGE OF TOTAL AREA (%) | RUNOFF CN | C FACTOR |
| IMPERVIOUS, (ROADS, SHOULDER, ETC.)                  | 18.88     | 84                           | 98        |          |
| PERVIOUS – B, OPEN SPACE                             | 1.66      | 7                            | 61        |          |
| PERVIOUS – B/D, OPEN SPACE                           | 1.98      | 9                            | 70.5      |          |
| WEIGHTED CURVE NUMBER OR C-FACTOR =                  |           |                              | 93        |          |

3. ORDER OF CONSTRUCTION ACTIVITIES (3.5.1.b, 3.5.2.a):

3.1. SPECIAL SEQUENCING REQUIREMENTS (SEE SHEETS N/A)

3.2. INSTALL STABILIZED CONSTRUCTION EXITS.

3.3. INSTALL PERIMETER PROTECTION WHERE RUNOFF SHEET FLOWS FROM THE SITE.

3.4. INSTALL INITIAL EPSC (EROSION PREVENTION AND SEDIMENT CONTROL) MEASURES.

3.5. PERFORM CLEARING AND GRUBBING (NOT MORE THAN 15 DAYS PRIOR TO GRADING OR EARTH-MOVING. REFER TO THE STABILIZATION PRACTICES BELOW.).

3.6. REMOVE AND STORE TOPSOIL.

3.7. STABILIZE DISTURBED AREAS WITHIN 14 DAYS OF COMPLETING ANY STAGE AND/OR PHASE OF ACTIVITY.

3.8. INSTALL UTILITIES, STORM SEWERS, CULVERTS AND BRIDGE STRUCTURES.

3.9. INSTALL INLET AND CULVERT PROTECTION ONCE STRUCTURES ARE IN PLACE AND CAPABLE OF INTERCEPTING FLOW.

3.10. PERFORM FINAL GRADING AND INSTALL BASE STONE.

3.11. COMPLETE FINAL PAVING AND SEALING OF CONCRETE.

3.12. INSTALL TRAFFIC CONTROL AND PROTECTION DEVICES.

3.13. COMPLETE FINAL STABILIZATION (TOPSOIL, SEEDING, MULCH, EROSION CONTROL BLANKET, SOD, ETC.)

3.14. REMOVE TEMPORARY EROSION CONTROLS AND ACCUMULATED SEDIMENT FROM AREAS THAT HAVE ESTABLISHED AT LEAST 70 PERCENT PERMANENT VEGETATIVE COVER.

3.15. RE-STABILIZE AREAS DISTURBED BY REMOVAL ACTIVITIES.

4. STREAM OUTFALL, WETLAND, TMDL AND ECOLOGY INFORMATION

4.1. STREAM INFORMATION

4.1.1. WILL CONSTRUCTION AND/OR EROSION PREVENTION AND SEDIMENT CONTROLS IMPACT ANY STREAMS WITHIN THE PROJECT LIMITS?  
YES ☒ NO ☐

4.1.2. IF NO TO SECTION 4.1.1, WILL THIS PROJECT DISCHARGE INTO STATE WATERS THAT ARE LESS THAN OR EQUAL TO 1 FLOW MILE DOWN GRADIENT OF THE PROJECT LIMITS? YES ☐ NO ☐

4.1.3. IF YES TO SECTION 4.1.2, HAVE ANY OF THE RECEIVING WATERS DOWN GRADIENT BEEN CLASSIFIED BY TDEC AS FOLLOWS (CHECK ALL THAT APPLY):

4.1.3.1. ☒ 303d IMPAIRED FOR SILTATION

4.1.3.2. ☐ 303d IMPAIRED FOR HABITAT ALTERATION

4.1.3.3. ☐ HIGH QUALITY WATERS OR KNOWN EXCEPTIONAL TENNESSEE WATERS (KETW)

4.1.4. RECEIVING STREAMS (3.5.1.j).

| RECEIVING STREAM INFORMATION |                                    |                                                               |                                  |                                           |                                                                          |
|------------------------------|------------------------------------|---------------------------------------------------------------|----------------------------------|-------------------------------------------|--------------------------------------------------------------------------|
| NATURAL RESOURCE LABEL       | NAME OF RECEIVING NATURAL RESOURCE | 303d IMPAIRED FOR SILTATION OR HABITAT ALTERATION (YES OR NO) | HIGH QUALITY OR KETW (YES OR NO) | LOCATED WITHIN PROJECT LIMITS (YES OR NO) | LOCATED WITHIN ≤ 1 FLOW MILE DOWN GRADIENT OF PROJECT LIMITS (YES OR NO) |
| STR-1                        | Oostanaula Creek                   | YES                                                           | NO                               | YES                                       | YES                                                                      |
| STR-2                        | Tributary to Oostanaula Creek      | NO                                                            | NO                               | YES                                       | YES                                                                      |
| STR-3                        | Gilbert Hollow Branch              | NO                                                            | NO                               | YES                                       | YES                                                                      |
|                              | Walker Branch                      | YES                                                           | NO                               | NO                                        | YES                                                                      |

4.1.5. ARE BUFFER ZONES REQUIRED (4.1.2, 5.4.2)? YES ☐ NO ☒  
IF YES, THEY HAVE BEEN INCLUDED ON PLAN SHEET(S) \_\_\_\_\_  
IF YES, CHECK THE APPROPRIATE BOX BELOW FOR SIZE OF BUFFER.  
☐ 60-FEET FOR IMPAIRED AND KNOWN EXCEPTIONAL TENNESSEE WATERS (AVERAGE WIDTH PER SIDE WITH A MINIMUM OF 30-FEET)

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

STORMWATER POLLUTION PREVENTION PLAN

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|-----------------------------------------------------|--|--|--|--|--------|------|---------------|-----------|----------------------------------------------------|
| TENNESSEE D.O.T.<br>DESIGN DIVISION<br><br>FILE NO. |  |  |  |  | TYPE   | YEAR | PROJECT NO.   | SHEET NO. |                                                    |
|                                                     |  |  |  |  | CONST. | 2015 | NH-30(59)     |           |                                                    |
|                                                     |  |  |  |  | P.E.   | 2015 | 54007-1213-14 | S-4       |                                                    |
|                                                     |  |  |  |  |        |      |               |           | STATE OF TENNESSEE<br>DEPARTMENT OF TRANSPORTATION |
|                                                     |  |  |  |  |        |      |               |           | STORMWATER<br>POLLUTION<br>PREVENTION<br>PLAN      |

|         |                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 11.2.4. | ALL SPILLS WILL BE CLEANED IMMEDIATELY AFTER DISCOVERY AND THE MATERIALS DISPOSED OF PROPERLY. THE SPILL AREA WILL BE KEPT WELL VENTILATED AND PERSONNEL WILL WEAR APPROPRIATE PROTECTIVE CLOTHING TO PREVENT INJURY FROM CONTACT WITH A HAZARDOUS SUBSTANCE.                                                                                                             | 12.1.7.1. | EQUIPMENT<br>AT A MINIMUM, THE CONTRACTOR WILL INSTALL A FENCE POST TYPE RAIN GAUGE TO MEASURE RAINFALL. THE STANDARD FENCE POST RAIN GAUGE WILL BE A WEDGE-SHAPED GAUGE THAT MEASURES UP TO 6 INCHES OF RAINFALL. AN ENGLISH SCALE WILL BE PROVIDED ON ONE FACE, WITH A METRIC SCALE ON THE OTHER FACE. GRADUATION WILL BE PERMANENTLY MOLDED IN DURABLE WEATHER-RESISTANT PLASTIC. THE MINIMUM GRADUATION WILL BE 0.01 INCH (OR 0.1MM). AN ALUMINUM BRACKET WITH SCREWS MAY BE USED TO MOUNT THE GAUGE ON A WOODEN SUPPORT.                                                                                                                                                                        | 12.2.     | KEEPING PLANS CURRENT (3.4)<br>TDOT OR THEIR DESIGNEE WILL MODIFY AND UPDATE THE SWPPP WHEN ANY OF THE FOLLOWING CONDITIONS APPLY:                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 11.2.5. | THE CONTRACTOR'S SITE SUPERINTENDENT WILL BE THE SPILL PREVENTION AND CLEANUP COORDINATOR. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT THE SITE SUPERINTENDENT HAS HAD APPROPRIATE TRAINING FOR HAZARDOUS MATERIALS HANDLING, SPILL MANAGEMENT, AND CLEANUP.                                                                                                          | 12.1.7.2. | LOCATION<br>THE RAIN GAUGE WILL BE LOCATED AT OR ALONG THE PROJECT SITE, AS DEFINED IN THE NOI OF THE NPDES PERMIT, IN AN OPEN AREA SUCH THAT THE MEASUREMENT WILL NOT BE INFLUENCED BY OUTSIDE FACTORS (I.E. OVERHANGS, GUTTER, TREES, ETC). AT LEAST ONE RAIN GAUGE PER LINEAR MILE IS REQUIRED ALONG (AS MEASURED ALONG THE CENTERLINE OF THE PRIMARY ALIGNMENT) THE PROJECT WHERE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING IS ACTIVELY PERFORMED, OR EXPOSED SOIL HAS NOT YET BEEN PERMANENTLY STABILIZED.                                                                                                                                                                    | 12.2.1.   | WHENEVER THERE IS A CHANGE IN THE SCOPE OF THE PROJECT THAT WOULD BE EXPECTED TO HAVE A SIGNIFICANT EFFECT ON THE DISCHARGE OF POLLUTANTS TO THE WATERS OF THE STATE AND WHICH HAS NOT OTHERWISE BEEN ADDRESSED IN THE SWPPP;                                                                                                                                                                                                                                                                                                                                                                             |
| 11.2.6. | IF SPILLS REPRESENT AN IMMINENT THREAT OF ESCAPING THE SITE AND ENTERING RECEIVING WATERS, PERSONNEL WILL RESPOND IMMEDIATELY TO CONTAIN THE RELEASE AND NOTIFY THE SUPERINTENDENT AFTER THE SITUATION HAS BEEN STABILIZED.                                                                                                                                               | 12.1.7.3. | METHODS<br>12.1.7.3.1. RAINFALL MONITORING WILL BE INITIATED PRIOR TO CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING, OR FILLING, EXCEPT AS SUCH MINIMAL CLEARING MAY BE NECESSARY TO INSTALL A RAIN GAUGE IN AN OPEN AREA. THE RAIN GAUGE WILL BE CHECKED FOR OPERATIONAL SOUNDNESS DAILY (DURING NORMAL BUSINESS HOURS) IN WET TIMES AND WEEKLY IN DRY TIMES. GAUGES WILL BE REPAIRED OR REPLACED ON THE SAME DAY IF FOUND TO BE NON-OPERATIONAL OR MISSING.                                                                                                                                                                                                                                     | 12.2.2.   | WHENEVER INSPECTIONS OR INVESTIGATIONS BY SITE OPERATORS, LOCAL, STATE, OR FEDERAL OFFICIALS INDICATE THE SWPPP IS PROVING INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANTS FROM CONSTRUCTION ACTIVITY SOURCES, OR IS OTHERWISE NOT ACHIEVING THE GENERAL OBJECTIVES OF CONTROLLING POLLUTANTS IN STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY; WHERE LOCAL, STATE, OR FEDERAL OFFICIALS DETERMINE THAT THE SWPPP IS INEFFECTIVE IN ELIMINATING OR SIGNIFICANTLY MINIMIZING POLLUTANT SOURCES, A COPY OF ANY CORRESPONDENCE TO THAT EFFECT MUST BE RETAINED IN THE SWPPP; |
| 11.2.7. | IF OIL SHEEN IS OBSERVED ON SURFACE WATER (E.G. SETTLING PONDS, DETENTION PONDS, SWALES), ACTION WILL BE TAKEN IMMEDIATELY TO REMOVE THE MATERIAL CAUSING THE SHEEN. THE CONTRACTOR WILL USE APPROPRIATE MATERIALS TO CONTAIN AND ABSORB THE SPILL. THE SOURCE OF THE OIL SHEEN WILL ALSO BE IDENTIFIED AND REMOVED OR REPAIRED AS NECESSARY TO PREVENT FURTHER RELEASES. |           | 12.1.7.3.2. EACH RAIN GAUGE WILL BE READ (FOR DETAILED RECORDS OF RAINFALL) AND EMPTIED AFTER EVERY RAINFALL EVENT OCCURRING ON THE PROJECT SITE AT APPROXIMATELY THE SAME TIME OF THE DAY (DURING NORMAL BUSINESS HOURS). DURING PERIODS OF DRY CONDITIONS, IT WILL NOT BE NECESSARY TO READ THE RAIN GAUGE EVERY DAY. IN LIEU OF THIS REQUIREMENT ON WEEKENDS AND ON STATE HOLIDAYS, THE RAIN GAUGES CAN BE EMPTIED THE NEXT BUSINESS DAY AND A REFERENCE SITE USED FOR A RECORD OF DAILY AMOUNT OF PRECIPITATION FOR THOSE DAYS. A REFERENCE SITE IS THE DOCUMENTATION FROM THE CLOSEST GAUGE WITHIN PROXIMITY OF THE PROJECT FROM A RECOGNIZED SOURCE SUCH AS THE NOAA NATIONAL WEATHER SERVICE. | 12.2.3.   | WHEN ANY NEW OPERATOR AND/OR SUB-OPERATOR IS ASSIGNED OR RELIEVED OF THEIR RESPONSIBILITY TO IMPLEMENT A PORTION OF THE SWPPP;                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 11.2.8. | IF A SPILL OCCURS THE SUPERINTENDENT OR THE SUPERINTENDENT'S DESIGNEE WILL BE RESPONSIBLE FOR COMPLETING THE SPILL REPORTING FORM AND FOR REPORTING THE SPILL TO THE TDOT PROJECT SUPERVISOR.                                                                                                                                                                             |           | 12.1.7.3.3. DETAILED RECORDS WILL BE RECORDED OF RAINFALL EVENTS INCLUDE DATES, AMOUNTS OF RAINFALL, AND THE APPROXIMATE DURATION (OR THE STARTING AND ENDING TIMES). THE RAINFALL RECORDS SHALL BE RECORDED ON THE TDOT RAINFALL RECORD SHEET AND SHALL BE MAINTAINED IN THE "DOCUMENTATION AND PERMITS" BINDER.                                                                                                                                                                                                                                                                                                                                                                                    | 12.2.4.   | TO PREVENT A NEGATIVE IMPACT TO LEGALLY PROTECTED STATE OR FEDERALLY LISTED OR PROPOSED THREATENED OR ENDANGERED AQUATIC FAUNA;                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 11.2.9. | SPILL RESPONSE EQUIPMENT WILL BE INSPECTED AND MAINTAINED BY THE CONTRACTOR AS NECESSARY TO REPLACE ANY MATERIALS USED IN SPILL RESPONSE ACTIVITIES.                                                                                                                                                                                                                      |           | 12.1.7.3.4. IF, IN THE EVENT THAT THE RAINFALL EVENT IS STILL IN PROGRESS AT THE DAILY RECORDING TIME, THE GAUGE WILL BE EMPTIED AND THE RECORD WILL INDICATE THAT THE STORM EVENT WAS STILL IN PROGRESS.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 12.2.5.   | WHEN THERE IS A CHANGE IN CHEMICAL TREATMENT METHODS INCLUDING: USE OF DIFFERENT TREATMENT CHEMICALS, DIFFERENT DOSAGE OR APPLICATION RATES OR A DIFFERENT AREA OF APPLICATION NOT SPECIFIED ON THE EPSC PLANS; OR                                                                                                                                                                                                                                                                                                                                                                                        |
| 11.3.   | SPILL NOTIFICATION (5.1)<br>WHERE A RELEASE CONTAINING A HAZARDOUS SUBSTANCE IN AN AMOUNT EQUAL TO OR IN EXCESS OF A REPORTABLE QUANTITY ESTABLISHED UNDER EITHER 40 CFR 117 OR 40 CFR 302 OCCURS DURING A 24 HOUR PERIOD:                                                                                                                                                |           | 12.1.7.3.5. RAIN GAUGE INFORMATION (DETAILED RECORDS), INCLUDING THE LOCATION OF THE NEAREST OUTFALL, WILL BE RECORDED ON THE EPSC INSPECTION REPORT FORMS AT THE TIME OF MEASUREMENT.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 12.2.6.   | WHEN A TMDL IS DEVELOPED FOR THE RECEIVING WATERS FOR A POLLUTANT OF CONCERN (SILTATION AND/OR HABITAT ALTERATION)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 11.3.1. | THE TDOT PROJECT SUPERVISOR IS RESPONSIBLE FOR NOTIFYING THE REGIONAL ENVIRONMENTAL COORDINATOR OR ASSISTANT REGIONAL ENVIRONMENTAL COORDINATOR AS SOON AS HE OR SHE HAS KNOWLEDGE OF THE DISCHARGE.                                                                                                                                                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.3.     | MAKING PLANS ACCESSIBLE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 11.3.2. | THE TDOT REGIONAL ENVIRONMENTAL COORDINATOR WILL NOTIFY THE LOCAL TDEC ENVIRONMENTAL FIELD OFFICE AND ANY OTHER APPLICABLE REGULATORY AGENCIES WITHIN 24 HOURS OF THE SPILL.                                                                                                                                                                                              |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.3.1.   | TDOT WILL RETAIN A COPY OF THIS SWPPP (INCLUDING A COPY OF THE "DOCUMENTATION AND PERMITS" BINDER AT THE CONSTRUCTION SITE (OR OTHER LOCATION ACCESSIBLE TO TDEC AND THE PUBLIC) FROM THE DATE CONSTRUCTION COMMENCES TO THE DATE OF FINAL STABILIZATION. TDOT WILL HAVE A COPY OF THE SWPPP AVAILABLE AT THE LOCATION WHERE WORK IS OCCURRING ON-SITE FOR THE USE OF OPERATORS AND THOSE IDENTIFIED AS HAVING RESPONSIBILITIES UNDER THE SWPPP WHENEVER THEY ARE ON THE CONSTRUCTION SITE (6.2).                                                                                                         |
| 11.3.3. | A WRITTEN DESCRIPTION OF THE RELEASE, DATE OF RELEASE AND CIRCUMSTANCES LEADING TO THE RELEASE, WHAT ACTIONS WERE TAKEN TO MITIGATE EFFECTS OF THE RELEASE, AND STEPS TAKEN TO MINIMIZE THE CHANCE OF FUTURE OCCURRENCES WILL BE SUBMITTED TO THE APPROPRIATE TDEC ENVIRONMENTAL FIELD OFFICE WITHIN 14 DAYS OF KNOWLEDGE OF THE RELEASE.                                 |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.3.2.   | PRIOR TO THE INITIATION OF LAND DISTURBING ACTIVITIES AND UNTIL THE SITE HAS MET THE FINAL STABILIZATION CRITERIA, TDOT OR THEIR DESIGNEE WILL POST A NOTICE NEAR THE MAIN ENTRANCE OF THE CONSTRUCTION SITE WITH THE FOLLOWING INFORMATION (3.3.3) (6.2.1):                                                                                                                                                                                                                                                                                                                                              |
| 11.3.4. | THE SWPPP MUST BE MODIFIED WITHIN 14 DAYS OF KNOWLEDGE OF THE RELEASE PROVIDING A DESCRIPTION OF THE RELEASE, CIRCUMSTANCES LEADING TO THE RELEASE, AND THE DATE OF RELEASE. THE SWPPP WILL BE REVIEWED AND MODIFIED AS NECESSARY TO IDENTIFY MEASURES TO PREVENT THE REOCCURRENCE OF SUCH RELEASES AND TO RESPOND TO SUCH RELEASES.                                      |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.3.2.1. | A COPY OF THE NOTICE OF COVERAGE (NOC) WITH THE NPDES PERMIT NUMBER FOR THE PROJECT;                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|         |                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.3.2.2. | THE INDIVIDUAL NAME, COMPANY NAME, E-MAIL ADDRESS (IF APPLICABLE) AND TELEPHONE NUMBER OF THE LOCAL PROJECT SITE OWNER AND OPERATOR CONTACT;                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|         |                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.3.2.3. | A BRIEF DESCRIPTION OF THE PROJECT; AND                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|         |                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.3.2.4. | THE LOCATION OF THE SWPPP.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|         |                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.3.3.   | ALL INFORMATION DESCRIBED IN SECTION 12.3.2 MUST BE MAINTAINED IN LEGIBLE CONDITION. IF POSTING THIS INFORMATION NEAR A MAIN ENTRANCE IS INFEASIBLE DUE TO SAFETY CONCERNS, THE NOTICE SHALL BE POSTED IN A LOCAL BUILDING. THE NOTICE MUST BE PLACED IN A PUBLICLY ACCESSIBLE LOCATION WHERE CONSTRUCTION IS ACTIVELY UNDERWAY AND MOVED AS NECESSARY.                                                                                                                                                                                                                                                   |
|         |                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.4.     | NOTICE OF TERMINATION (8.0)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|         |                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.4.1.   | WHEN ALL STORMWATER DISCHARGES FROM CONSTRUCTION ACTIVITIES THAT ARE AUTHORIZED BY THE PERMIT ARE ELIMINATED BY FINAL STABILIZATION, TDOT WILL SUBMIT A NOTICE OF TERMINATION (NOT) THAT IS SIGNED IN ACCORDANCE WITH THE PERMIT TO THE TDEC CENTRAL OFFICE IN NASHVILLE, TN.                                                                                                                                                                                                                                                                                                                             |
|         |                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.4.2.   | FOR THE PURPOSES OF THE CERTIFICATION REQUIRED BY THE NOT, THE ELIMINATION OF STORMWATER DISCHARGES ASSOCIATED WITH THE CONSTRUCTION ACTIVITY MEANS THE FOLLOWING:                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|         |                                                                                                                                                                                                                                                                                                                                                                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 12.4.2.1. | ALL EARTH-DISTURBING ACTIVITIES ON THE SITE ARE COMPLETED AND ALL DISTURBED SOILS AT THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL HAVE BEEN FINALLY STABILIZED; AND                                                                                                                                                                                                                                                                                                                                                                                                                |

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12 RECORD-KEEPING

12.1. REQUIRED RECORDS

TDOT OR THEIR DESIGNEE WILL MAINTAIN AT THE SITE THE FOLLOWING RECORDS OF CONSTRUCTION ACTIVITIES (3.5.3.1.m) (6.2.1):

12.1.1. THE DATES WHEN MAJOR GRADING ACTIVITIES OCCUR

12.1.2. THE DATES WHEN CONSTRUCTION ACTIVITIES TEMPORARILY OR PERMANENTLY CEASE ON A PORTION OF THE SITE

12.1.3. THE DATES WHEN STABILIZATION MEASURES ARE INITIATED

12.1.4. RECORDS OF TWICE WEEKLY EPSC INSPECTION REPORTS AND CORRECTIVE MEASURES

12.1.5. RECORDS OF QUALITY ASSURANCE SITE ASSESSMENTS

12.1.6. COPY OF SITE EPSC INSPECTOR'S TDEC LEVEL 1 CERTIFICATION

12.1.7. RAINFALL MONITORING PLAN (3.5.3.1.o):

| TENNESSEE D.O. T.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |           |                        | DESIGN DIVISION   |  | FILE NO. |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
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| <div><div>12.4.2.2. ALL CONSTRUCTION MATERIALS, WASTE AND WASTE HANDLING DEVICES, AND ALL EQUIPMENT, AND VEHICLES THAT WERE USED DURING CONSTRUCTION HAVE BEEN REMOVED AND PROPERLY DISPOSED; AND</div><div>12.4.2.3. ALL STORMWATER CONTROLS THAT WERE INSTALLED AND MAINTAINED DURING CONSTRUCTION, EXCEPT THOSE THAT ARE INTENDED FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE, HAVE BEEN REMOVED; AND</div><div>12.4.2.4. ALL POTENTIAL POLLUTANTS AND POLLUTANT GENERATING ACTIVITIES ASSOCIATED WITH CONSTRUCTION HAVE BEEN REMOVED; AND</div><div>12.4.2.5. THE PERMITTEE HAS IDENTIFIED WHO IS RESPONSIBLE FOR ONGOING MAINTENANCE OF ANY STORMWATER CONTROLS LEFT ON THE SITE FOR LONG-TERM USE FOLLOWING TERMINATION OF PERMIT COVERAGE; AND</div><div>12.4.2.6. TEMPORARY EPSC MEASURES HAVE BEEN OR WILL BE REMOVED AT AN APPROPRIATE TIME TO ENSURE FINAL STABILIZATION IS MAINTAINED; AND</div><div>12.4.2.7. ALL STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITIES FROM THE IDENTIFIED SITE THAT ARE AUTHORIZED BY A NPDES GENERAL PERMIT HAVE OTHERWISE BEEN ELIMINATED FROM THE PORTION OF THE CONSTRUCTION SITE WHERE THE OPERATOR HAD CONTROL.</div></div> <div>12.5. RETENTION OF RECORDS (6.2)</div> <div>TDOT WILL RETAIN COPIES OF THE SWPPP, ALL REPORTS REQUIRED BY THE PERMIT, AND RECORDS OF ALL DATA USED TO COMPLETE THE NOTICE OF INTENT FOR THE PROJECT FOR A PERIOD OF AT LEAST THREE (3) YEARS FROM THE DATE THE NOT WAS FILED.</div> <div>13 SITE WIDE/PRIMARY PERMITTEE CERTIFICATION (7.7.5)</div> <div>I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.</div> <div><div><div><div><div></div></div><div>AUTHORIZED TDOT PERSONNEL SIGNATURE (3.3.1)</div></div><div><div>JIM OZMENT</div><div>PRINTED NAME</div></div><div><div>ENVIRONMENTAL DIVISION DIRECTOR</div><div>TITLE</div></div><div><div>07-21-2015</div><div>DATE</div></div></div><div>14 SECONDARY PERMITTEE (OPERATOR) CERTIFICATION (7.7.6)</div><div>I CERTIFY UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS DOCUMENT, ANY ATTACHMENTS, AND THE SWPPP REFERENCED ABOVE. BASED ON MY INQUIRY OF THE CONSTRUCTION SITE OWNER/DEVELOPER IDENTIFIED ABOVE AND/OR MY INQUIRY OF THE PERSON DIRECTLY RESPONSIBLE FOR ASSEMBLING THIS NOI AND SWPPP, I BELIEVE THE INFORMATION SUBMITTED IS ACCURATE. I AM AWARE THAT</div><div>THIS NOI, IF APPROVED, MAKES THE ABOVE-DESCRIBED CONSTRUCTION ACTIVITY SUBJECT TO NPDES PERMIT NUMBER TNR100000, AND THAT CERTAIN OF MY ACTIVITIES ON-SITE ARE THEREBY REGULATED. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS, AND FOR FAILURE TO COMPLY WITH THESE PERMIT REQUIREMENTS.</div><div><div>AUTHORIZED OPERATOR (CONTRACTOR) SIGNATURE (3.3.1)</div><div>PRINTED NAME</div><div>TITLE</div><div>DATE</div></div><div>15 ENVIRONMENTAL PERMITS (9.0)</div><div>LIST ALL ENVIRONMENTAL PERMITS AND EXPIRATION DATES FOR PROJECT (TO BE COMPLETED AT THE ENVIRONMENTAL PRECONSTRUCTION MEETING BY TDOT CONSTRUCTION OR THEIR DESIGNEE):</div><table><thead><tr><th colspan="4">ENVIRONMENTAL PERMITS</th></tr><tr><th>PERMIT</th><th>YES OR NO</th><th>PERMIT OR TRACKING NO.</th><th>EXPIRATION DATE *</th></tr></thead><tbody><tr><td>TDEC ARAP</td><td></td><td></td><td></td></tr><tr><td>CORPS OF ENGINEERS (COE)</td><td></td><td></td><td></td></tr><tr><td>TVA 26A</td><td></td><td></td><td></td></tr><tr><td>TDEC CGP</td><td></td><td></td><td></td></tr><tr><td>OTHER:</td><td></td><td></td><td></td></tr></tbody></table><div>*THE TDOT ENVIRONMENTAL DIVISION MUST BE NOTIFIED SIX MONTHS PRIOR TO PERMIT EXPIRATION DATE.</div><table><tr><td>TYPE</td><td>YEAR</td><td>PROJECT NO.</td><td>SHEET NO.</td></tr><tr><td>CONST.</td><td>2015</td><td>NH-30(59)</td><td></td></tr><tr><td>P.E.</td><td>2015</td><td>54007-1213-14</td><td>S-5</td></tr></table><div>STATE OF TENNESSEE<br/>DEPARTMENT OF TRANSPORTATION</div><div>STORMWATER<br/>POLLUTION<br/>PREVENTION<br/>PLAN</div></div> |           |                        |                   |  |          | ENVIRONMENTAL PERMITS |  |  |  | PERMIT | YES OR NO | PERMIT OR TRACKING NO. | EXPIRATION DATE * | TDEC ARAP |  |  |  | CORPS OF ENGINEERS (COE) |  |  |  | TVA 26A |  |  |  | TDEC CGP |  |  |  | OTHER: |  |  |  | TYPE | YEAR | PROJECT NO. | SHEET NO. | CONST. | 2015 | NH-30(59) |  | P.E. | 2015 | 54007-1213-14 | S-5 |
| ENVIRONMENTAL PERMITS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |           |                        |                   |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
| PERMIT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | YES OR NO | PERMIT OR TRACKING NO. | EXPIRATION DATE * |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
| TDEC ARAP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |           |                        |                   |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
| CORPS OF ENGINEERS (COE)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                        |                   |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
| TVA 26A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |           |                        |                   |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
| TDEC CGP                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |           |                        |                   |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
| OTHER:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |           |                        |                   |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
| TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | YEAR      | PROJECT NO.            | SHEET NO.         |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
| CONST.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2015      | NH-30(59)              |                   |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |
| P.E.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2015      | 54007-1213-14          | S-5               |  |          |                       |  |  |  |        |           |                        |                   |           |  |  |  |                          |  |  |  |         |  |  |  |          |  |  |  |        |  |  |  |      |      |             |           |        |      |           |  |      |      |               |     |



Index Of Sheets  
See Sheet 1A

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION  
BUREAU OF ENGINEERING

McMINN COUNTY

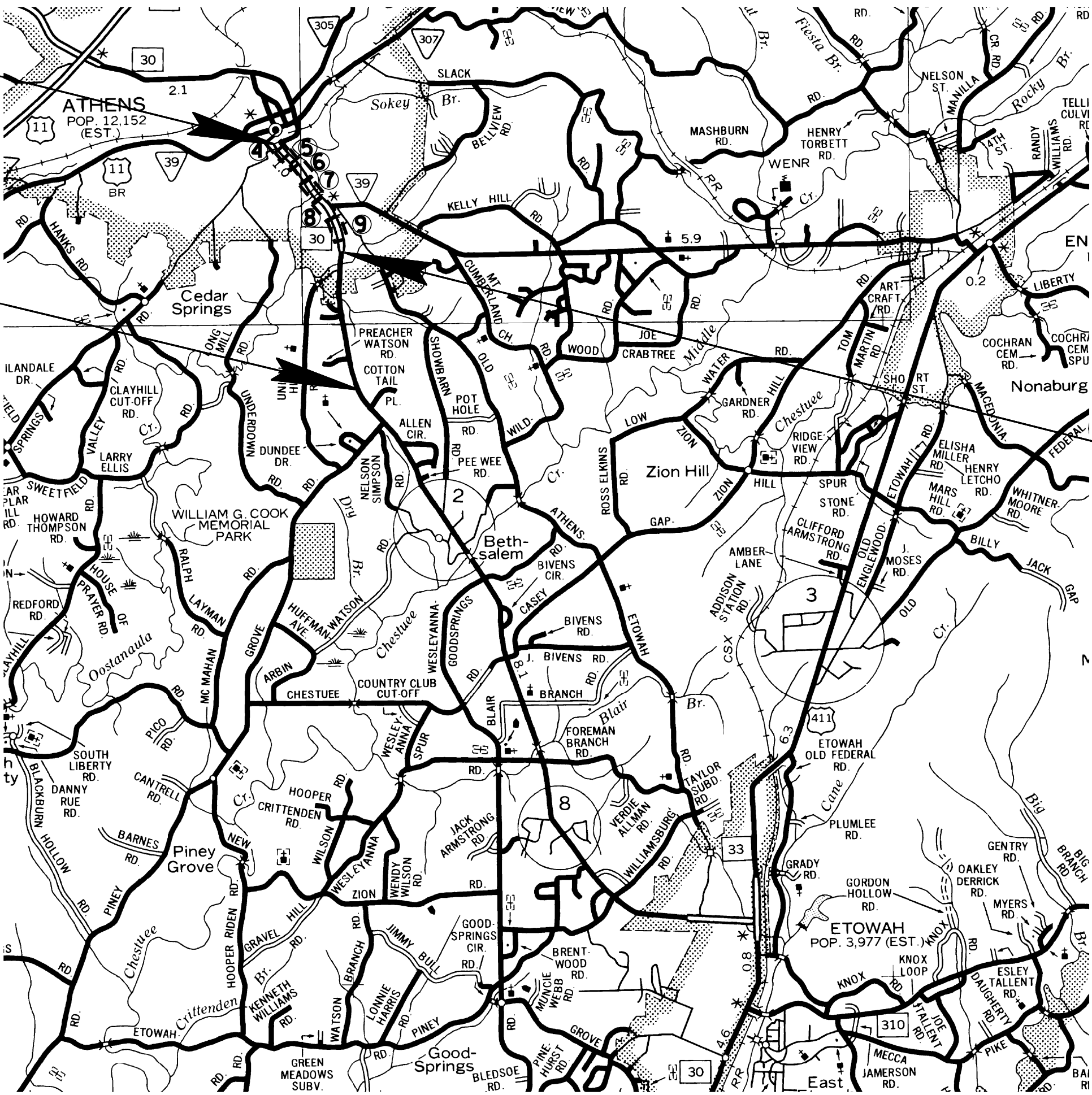
S.R. 30  
FROM: NEAR PARK STREET  
TO: EAST OF KNIGHT ROAD IN ATHENS  
CONSTRUCTION

STATE HIGHWAY NO. 30 F.A.H.S. NO. N/A

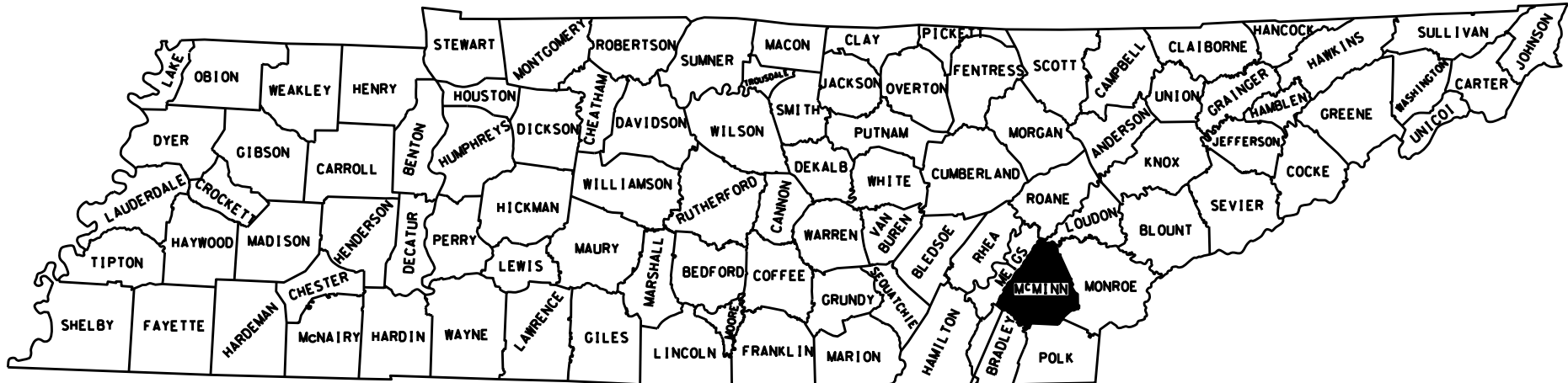
Grade, Drain, Base, Paving, Guardrail, Signal and Markings

54007-3220-14  
BEGIN PROJECT NO. NH-30(59)  
STATION 57+00 (CONST.)

ADJOINING PROJECT  
NO. STP/HPP-30 (48)



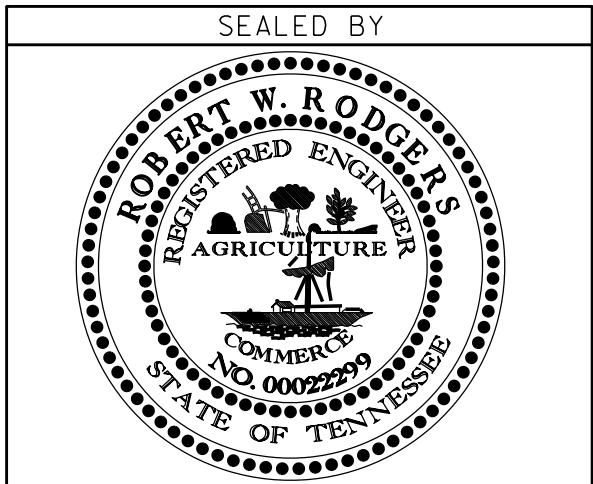
ROADWAY LENGTH 1.212 MILES  
BRIDGE LENGTH 0.000 MILES  
BOX BRIDGE LENGTH 0.000 MILES  
PROJECT LENGTH 1.212 MILES



McMINN COUNTY  
S.R. 30  
PIN NO. 100255.03

NO EQUATIONS  
NO EXCLUSIONS

54007-3220-14  
END PROJECT NO. NH-30(59)  
STATION 121+00 (CONST.)



APPROVED: *Paul D. Degges*  
PAUL D. DEGGES, CHIEF ENGINEER

DATE: \_\_\_\_\_

APPROVED: *John Schroer*  
JOHN SCHROER, COMMISSIONER

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED JANUARY 1, 2015 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT

TDOT ROAD SP. SV. 2 ROBERT RODGERS, MSCE, PE

DESIGNER CARL PERRY

CHECKED BY DIANE EVITT

P.E. NO. 54007-1213-14  
PIN NO. 100255.03

| TRAFFIC DATA |         |
|--------------|---------|
| ADT (2012)   | 17,420  |
| ADT (2032)   | 20,880  |
| DHV (2032)   | 1,745   |
| D            | 60 - 40 |
| T (ADT)      | 5 %     |
| T (DHV)      | 3 %     |
| V            | 45 MPH  |

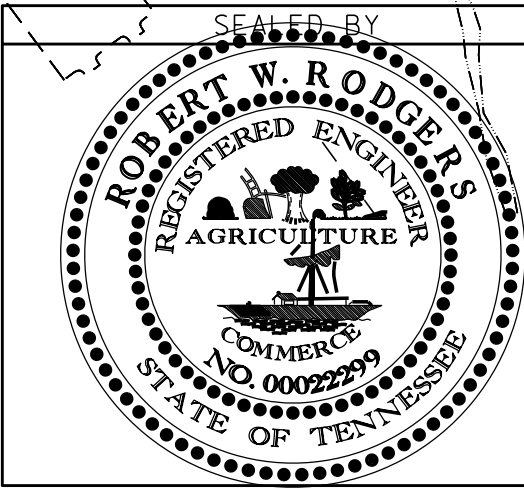
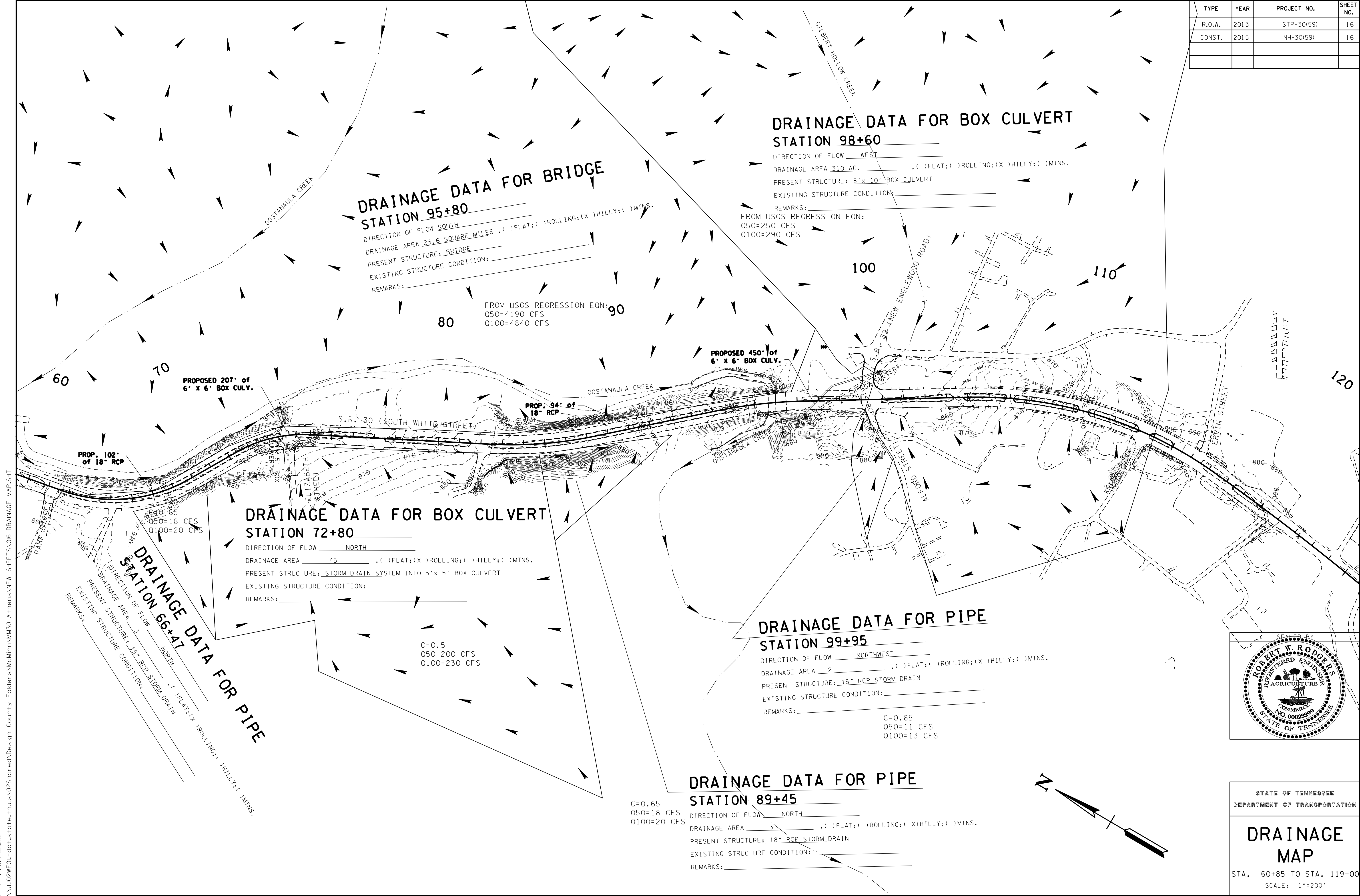
ORIGINAL SURVEY DATE: 2003  
UPDATE: SPRING/ SUMMER 2010  
UPDATE: 5/6/13 & 7/17/2013

U.S. DEPARTMENT OF TRANSPORTATION  
FEDERAL HIGHWAY ADMINISTRATION

APPROVED: \_\_\_\_\_  
DIVISION ADMINISTRATOR

DATE \_\_\_\_\_

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 16        |
| CONST. | 2015 | NH-30(59)   | 16        |
|        |      |             |           |



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

**DRAINAGE  
MAP**

STA. 60+85 TO STA. 119+00  
SCALE: 1"=200'

24-FEB-2015 08:50  
\\J02WF01.tdot.state.tn.us\02Shared\Design County Folders\McMinn\MM30\_Attens\NEW SHEETS\06\_DRAINAGE MAP.SHT

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

STREAM/WETLAND

- (1)

ANY WORK WITHIN THE STREAM CHANNEL AREA (E.G., FOR PIER FOOTING, RIP-RAP PLACEMENT, MULTI-BARREL CULVERT/BRIDGE CONSTRUCTION, ETC.) SHALL BE SEPARATED FROM FLOWING WATER OR EXPECTED FLOW PATH AND PERFORMED DURING LOW FLOW CONDITIONS. ALL ITEMS USED WITHIN THE STREAM CHANNEL AREA FOR DIVERSION OF FLOW (OR EXPECTED FLOW), UNLESS SPECIFIED IN THE PLANS, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE COST OF OTHER ITEMS. THIS NOTE EXCLUDES ANY ITEMS SPECIFIED IN THE PLANS FOR THE TEMPORARY DIVERSION CHANNELS, EC-STR-31 AND TEMPORARY DIVERSION CULVERTS, EC-STR-32 FOR SINGLE BARREL CULVERT CONSTRUCTION.
- (2)

A 30 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. THE 30 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 15 FEET AT ANY MEASURED LOCATION. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

KNOWN EXCEPTIONAL TENNESSEE WATERS

- (3)

FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, AN OUTFALL IN A DRAINAGE AREA OF 5 ACRES OR MORE, A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT.
- (4)

FOR PROJECTS THAT DISCHARGE INTO KNOWN EXCEPTIONAL TENNESSEE WATERS OR WATERS IMPAIRED BY SILTATION, A 60 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM WITH THIS DESIGNATION SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 30 FEET AT ANY MEASURED LOCATION. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND ROADWAY DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

NPDES

- (5)

NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE

AND SUPPLEMENT, AS ACCEPTABLE, THE BASIC EPSC DEVICES ON THE EPSC PLAN CONTAINED IN THE APPROVED SWPPP.

- (6)

THE EPSC MEASURES AND/OR PLAN SHALL BE MODIFIED AS NECESSARY SO THAT THEY ARE EFFECTIVE AT ALL TIMES THROUGHOUT THE COURSE OF THE PROJECT.
- (7)

THE ACCEPTED EPSC PLAN SHALL REQUIRE THAT EPSC MEASURES BE IN PLACE BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES, INCLUDING WITHOUT LIMITATION AS FOLLOWS:

A.

INITIAL CLEARING AND GRUBBING SHALL BE LIMITED TO THAT NECESSARY FOR THE INSTALLATION OF APPLICABLE EPSC MEASURES IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

B.

NO OTHER CLEARING AND GRUBBING OPERATIONS SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

C.

NO CULVERT OR BRIDGE CONSTRUCTION SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

D.

NO GRADING, EXCAVATION, CUTTING, FILLING, OR OTHER EARTHWORK SHALL BE STARTED BEFORE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.
- (8)

PERMANENT EPSC MEASURES SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OF ANY SEQUENCE OR PHASE. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED WITHIN 14 CALENDAR DAYS AFTER FINAL GRADING OR WHEN CONSTRUCTION ACTIVITIES ON A PORTION OF THE SITE ARE TEMPORARILY CEASED AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME UNTIL AFTER 14 CALENDAR DAYS. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER-RUN WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE.
- (9)

STEEP SLOPES (A NATURAL OR CREATED SLOPE OF 35% GRADE (2.8H:1V) OR GREATER REGARDLESS OF HEIGHT) SHALL BE TEMPORARILY STABILIZED NO LATER THAN 7 CALENDAR DAYS AFTER CONSTRUCTION ACTIVITY ON THE SLOPE HAS TEMPORARILY OR PERMANENTLY CEASED.
- (10)

FOR STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION SUPPORT ACTIVITIES; TDOT PROJECTS ARE COVERED UNDER THE "WASTE AND BORROW" MANUAL PER THE SSWMP.
- (11)

EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL.

UTILITY RELOCATION

- (12)

RAIN WATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND MAINTAINED.
- (13)

SILT FENCE SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF STOCKPILED SOIL. TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING NO FLOW CONDITIONS AND STABILIZED BY THE END OF THE WORK DAY
- (14)

UTILITY CROSSINGS FOR PERENNIAL STREAMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO UTILITIES IN THIS PROJECT IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC). THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLANS (SWPPP).
- (15)

IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR INSTALLER TO PROTECT FROM EROSION EXPOSED EARTH RESULTING FROM THEIR OPERATIONS AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT

THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.

- (16)

FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN SEVEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOIL OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL SUCH TIME AS THE TRENCH IS BACKFILLED.
- (17)

IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC), TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS IN THIS PROJECT, THEREFORE, THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTIONS PREVENTION PLANS (SWPPP). THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT WORK.
- (18)

TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORM WATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.
- (19)

FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH FINAL VEGETATIVE COVER.
- (20)

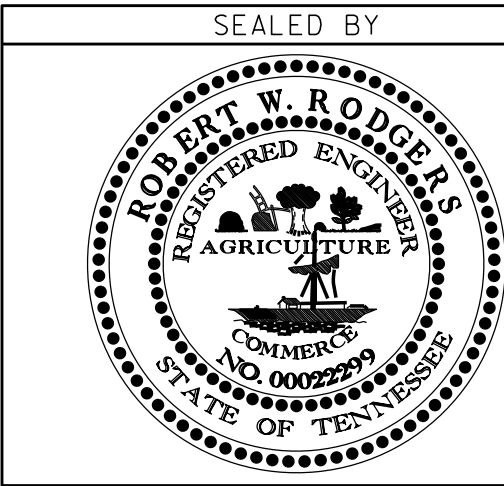
THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS (AS APPROVED BY THE TDOT PROJECT ENGINEER).
- (21)

THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES TO REPLACE IN-PLACE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT PROJECT ENGINEER BEFORE COMMENCING WORK.

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22        |
| CONST. | 2015 | NH-30(59)   | 22        |
|        |      |             |           |
|        |      |             |           |

REV. 10-21-13  
Moved EPSC quantity & legend blocks to sheet.

REV. 06-12-15  
Updated Sheet.



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL NOTES

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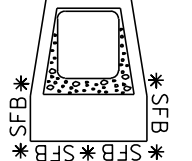
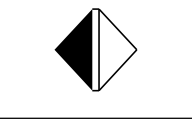
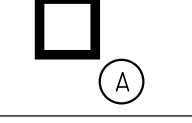
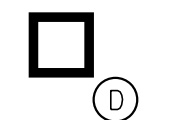
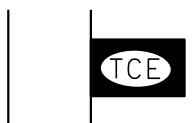
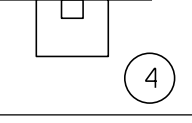
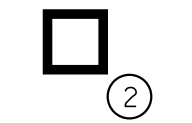
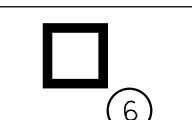
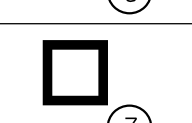
| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22(1A)    |
| CONST. | 2015 | NH-30(59)   | 22(1A)    |
|        |      |             |           |
|        |      |             |           |

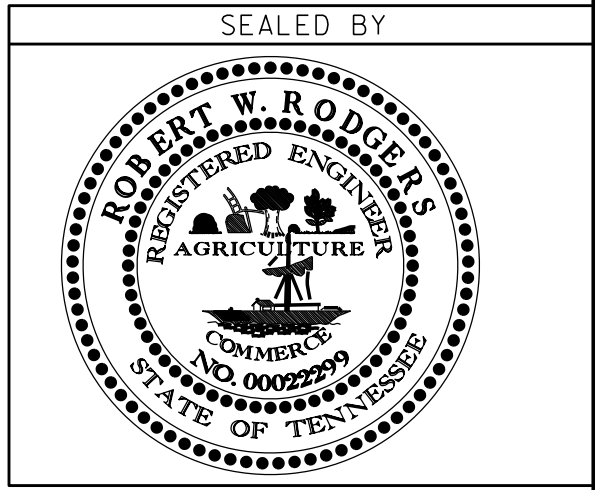
REV. 06-12-15  
Added Sheet.

| EPSC QUANTITIES |                  |                  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |                    |                     |                     |                  |
|-----------------|------------------|------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|--------------------|---------------------|---------------------|------------------|
| STAGE           | PAY ITEMS        |                  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |                    |                     |                     |                  |
|                 | 203-01<br>(C.Y.) | 209-05<br>(C.Y.) | 209-08.02<br>(L.F.) | 209-08.08<br>(EACH) | 209-09.03<br>(EACH) | 209-09.43<br>(EACH) | 209-40.30<br>(S.Y.) | 209-40.33<br>(EACH) | 209-40.42<br>(EACH) | 209-40.46<br>(EACH) | 209-40.47<br>(EACH) | 303-10.01<br>(TONS) | 707-08.11<br>(L.F.) | 709-05.05<br>(TON) | 709-05.06<br>(TON) | 740-10.03<br>(S.Y.) | 740-11.03<br>(L.F.) | 803-01<br>(S.Y.) |
| 1               | 173              |                  | 18623               | 14                  | 2                   | 31                  | 1                   | 22                  |                     |                     |                     | 69                  | 1039                | 200                | 159                | 1004                |                     |                  |
| 2               | 29               |                  | 8234                | 16                  | 2                   | 10                  |                     | 10                  | 17                  | 10                  | 12                  | 28                  |                     |                    |                    | 545                 | 2139                |                  |
| 3               | 21               |                  | 7951                |                     |                     | 46                  |                     |                     |                     |                     |                     | 4                   |                     |                    | 23                 | 54                  | 2139                |                  |
| ALL             |                  | 326              |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |                    |                     |                     | 29830            |
|                 |                  |                  |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                     |                    |                    |                     |                     |                  |
| TOTALS          | 222              | 326              | 34808               | 30                  | 4                   | 87                  | 1                   | 32                  | 17                  | 10                  | 12                  | 101                 | 1039                | 200                | 182                | 1603                | 4278                | 29830            |

| EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES |                                            |      |          |
|----------------------------------------------------|--------------------------------------------|------|----------|
| ITEM NO.                                           | DESCRIPTION                                | UNIT | QUANTITY |
| 203-01                                             | ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)  | C.Y. | 222      |
| 209-05                                             | SEDIMENT REMOVAL                           | C.Y. | 326      |
| 209-08.02                                          | TEMPORARY SILT FENCE (WITH BACKING)        | L.F. | 34808    |
| 209-08.08                                          | ENHANCED ROCK CHECK DAM                    | EACH | 30       |
| 209-09.03                                          | SEDIMENT FILTER BAG (15' X 15')            | EACH | 4        |
| 209-09.43                                          | CURB INLET PROTECTION (TYPE 4)             | EACH | 87       |
| 209-40.30                                          | CATCH BASIN PROTECTION (TYPE A)            | EACH | 1        |
| 209-40.33                                          | CATCH BASIN PROTECTION (TYPE D)            | EACH | 32       |
| 209-40.42                                          | CATCH BASIN FILTER ASSEMBLY(TYPE 2)        | EACH | 17       |
| 209-40.46                                          | CATCH BASIN FILTER ASSEMBLY(TYPE 6)        | EACH | 10       |
| 209-40.47                                          | CATCH BASIN FILTER ASSEMBLY(TYPE 7)        | EACH | 12       |
| 303-10.01                                          | MINERAL AGGREGATE (SIZE 57)                | TON  | 101      |
| 707-08.11                                          | HIGH-VISIBILITY CONSTRUCTION FENCE         | L.F. | 1039     |
| 709-05.05                                          | MACHINED RIP-RAP (CLASS A-3)               | TON  | 200      |
| 709-05.06                                          | MACHINED RIP-RAP (CLASS A-1)               | TON  | 182      |
| 740-10.03                                          | GEOTEXTILE (TYPE III)(EROSION CONTROL)     | S.Y. | 1603     |
| 740-11.03                                          | TEMPORARY SEDIMENT TUBE 18IN (DESCRIPTION) | L.F. | 4278     |
| 803-01                                             | SODDING(NEW SOD)                           | S.Y. | 29830    |
|                                                    |                                            |      |          |

SEE SUBSECTION 209.07 OF THE STANDARD SPECS. FOR MAINTENANCE REPLACEMENT.  
ALL QUANTITIES ARE TO BE USED AS DIRECTED BY ENGINEER.

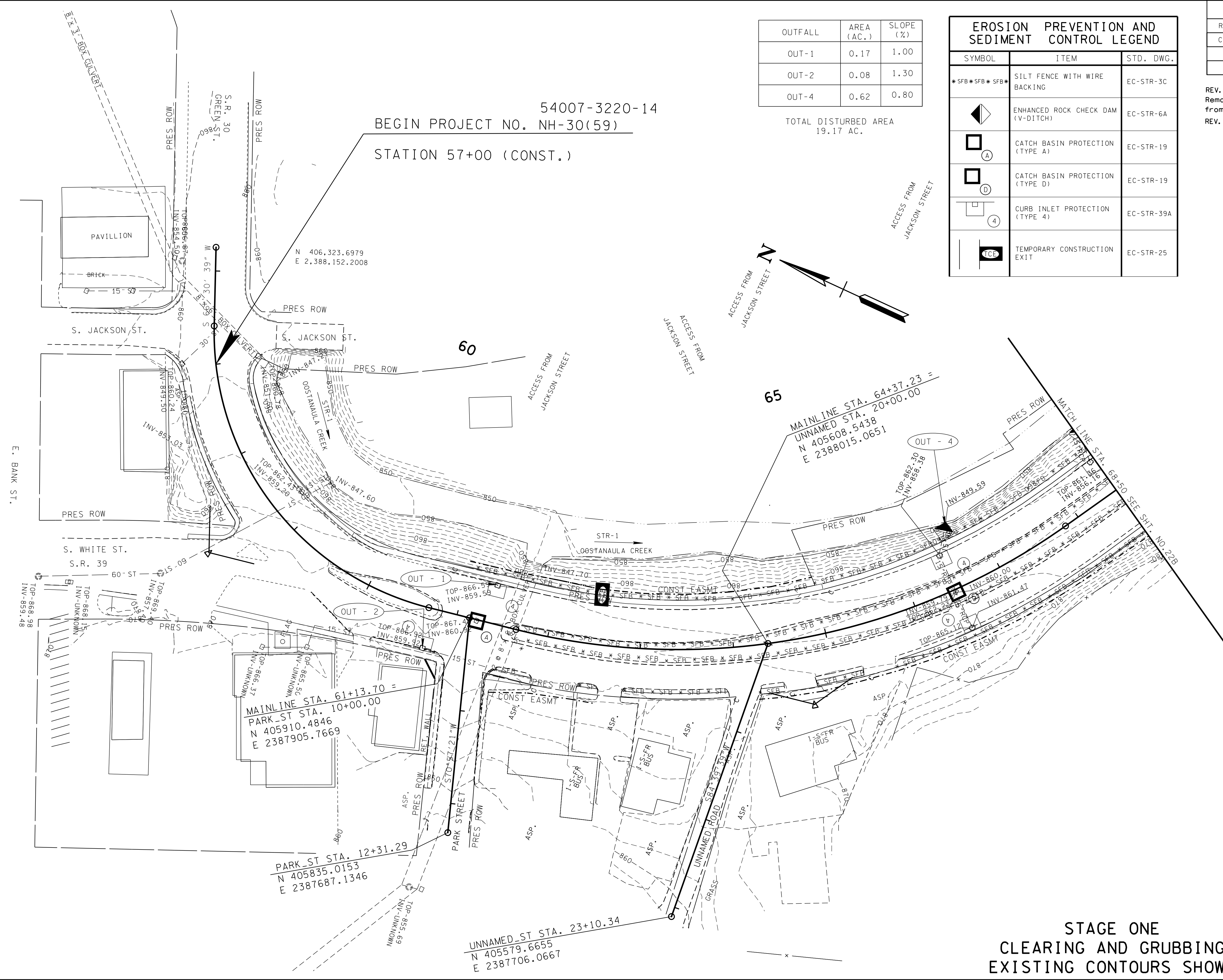
| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND                                        |                                      |            |
|---------------------------------------------------------------------------------------|--------------------------------------|------------|
| SYMBOL                                                                                | ITEM                                 | STD. DWG.  |
|   | SEDIMENT FILTER BAG                  | EC-STR-2   |
| * SFB * SFB * SFB *                                                                   | SILT FENCE WITH WIRE BACKING         | EC-STR-3C  |
|  | ENHANCED ROCK CHECK DAM (V-DITCH)    | EC-STR-6A  |
|  | CULVERT PROTECTION (TYPE 1)          | EC-STR-11  |
|  | CATCH BASIN PROTECTION (TYPE A)      | EC-STR-19  |
|  | CATCH BASIN PROTECTION (TYPE D)      | EC-STR-19  |
|  | TEMPORARY CONSTRUCTION EXIT          | EC-STR-25  |
| ** TUBE ** TUBE **                                                                    | SEDIMENT TUBE                        | EC-STR-37  |
|  | CURB INLET PROTECTION (TYPE 4)       | EC-STR-39A |
|  | CATCH BASIN FILTER ASSEMBLY (TYPE 2) | EC-STR-42  |
|  | CATCH BASIN FILTER ASSEMBLY (TYPE 6) | EC-STR-46  |
|  | CATCH BASIN FILTER ASSEMBLY (TYPE 7) | EC-STR-47  |
| * HVF * HVF                                                                           | HIGH VISIBILITY FENCE                | S-F-1      |



STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

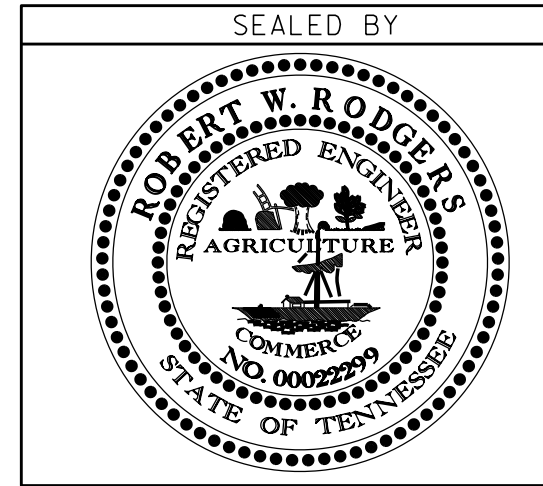
EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL NOTES

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| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22A       |
| CONST. | 2015 | NH-30(59)   | 22A       |
|        |      |             |           |
|        |      |             |           |

REV.10-21-13  
Removed EPSC quantity & legend blocks from sheet.  
REV.06-12-15  
Updated EPSC sheets.



COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 1.000057 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

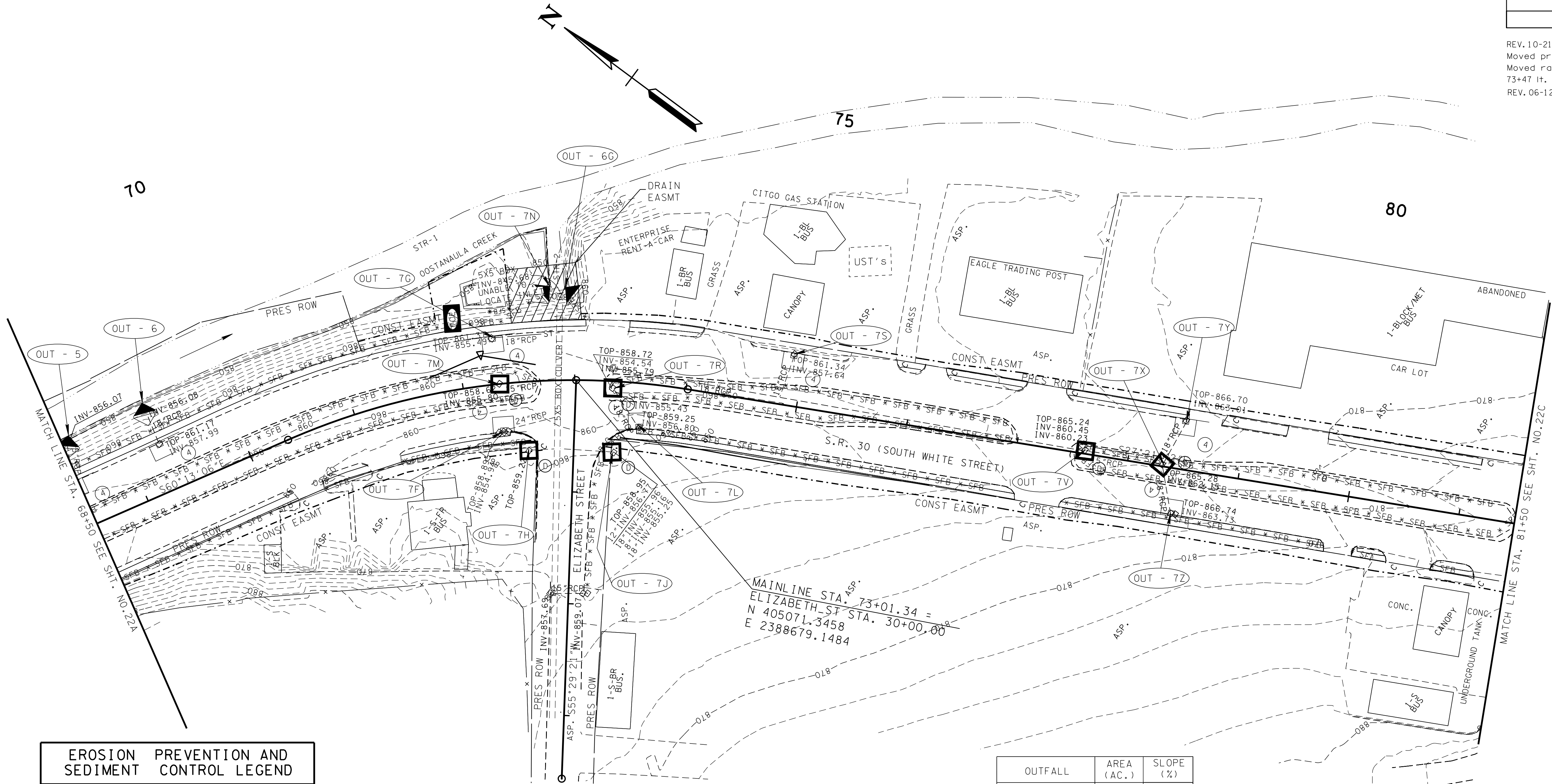
EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 57+00 TO STA. 68+50  
SCALE: 1"= 50'

STAGE ONE  
CLEARING AND GRUBBING  
EXISTING CONTOURS SHOWN

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22B       |
| CONST. | 2015 | NH-30(59)   | 22B       |
|        |      |             |           |
|        |      |             |           |

REV.10-21-13  
Moved prop.box culvert to sta.72+54.  
Moved ramp from sta.73+13 lt.to sta.  
73+47 lt. Added cb 8A & moved cb 9.  
REV.06-12-15  
Updated EPSC sheet.

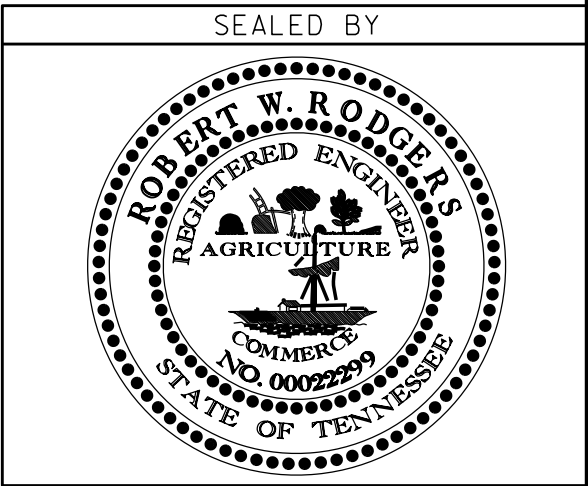


| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND |                                   |            |
|------------------------------------------------|-----------------------------------|------------|
| SYMBOL                                         | ITEM                              | STD. DWG.  |
| *SFB*SFB*SFB*                                  | SILT FENCE WITH WIRE BACKING      | EC-STR-3C  |
|                                                | ENHANCED ROCK CHECK DAM (V-DITCH) | EC-STR-6A  |
|                                                | CULVERT PROTECTION (TYPE 1)       | EC-STR-11  |
|                                                | CATCH BASIN PROTECTION (TYPE D)   | EC-STR-19  |
|                                                | CURB INLET PROTECTION (TYPE 4)    | EC-STR-39A |
|                                                | SEDIMENT FILTER BAG               | EC-STR-2   |
|                                                | TEMPORARY CONSTRUCTION EXIT       | EC-STR-25  |

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-5   | 0.10       | 0.50      |
| OUT-6   | 0.08       | 0.50      |
| OUT-6G  | 0.03       | 10.00     |
| OUT-7N  | 0.04       | 10.00     |
| OUT-7G  | 0.11       | 2.57      |
| OUT-7M  | 0.50       | 0.50      |
| OUT-7F  | 0.09       | 2.00      |
| OUT-7H  | 0.16       | 3.20      |
| OUT-7J  | 4.50       | 4.00      |
| OUT-7L  | 0.67       | 2.00      |
| OUT-7R  | 0.30       | 2.00      |
| OUT-7S  | 0.30       | 2.00      |

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-7V  | 0.03       | 6.60      |
| OUT-7X  | 0.20       | 2.30      |
| OUT-7Y  | 0.30       | 2.00      |
| OUT-7Z  | 0.67       | 2.00      |

STAGE ONE  
CLEARING AND GRUBBING  
EXISTING CONTOURS SHOWN



COORDINATES ARE NAD/83(1995),  
ARE DATUM ADJUSTED BY THE  
FACTOR OF 1.000057 AND TIED TO  
THE TGRN. ALL ELEVATIONS ARE  
REFERENCED TO THE NAVD 1988.

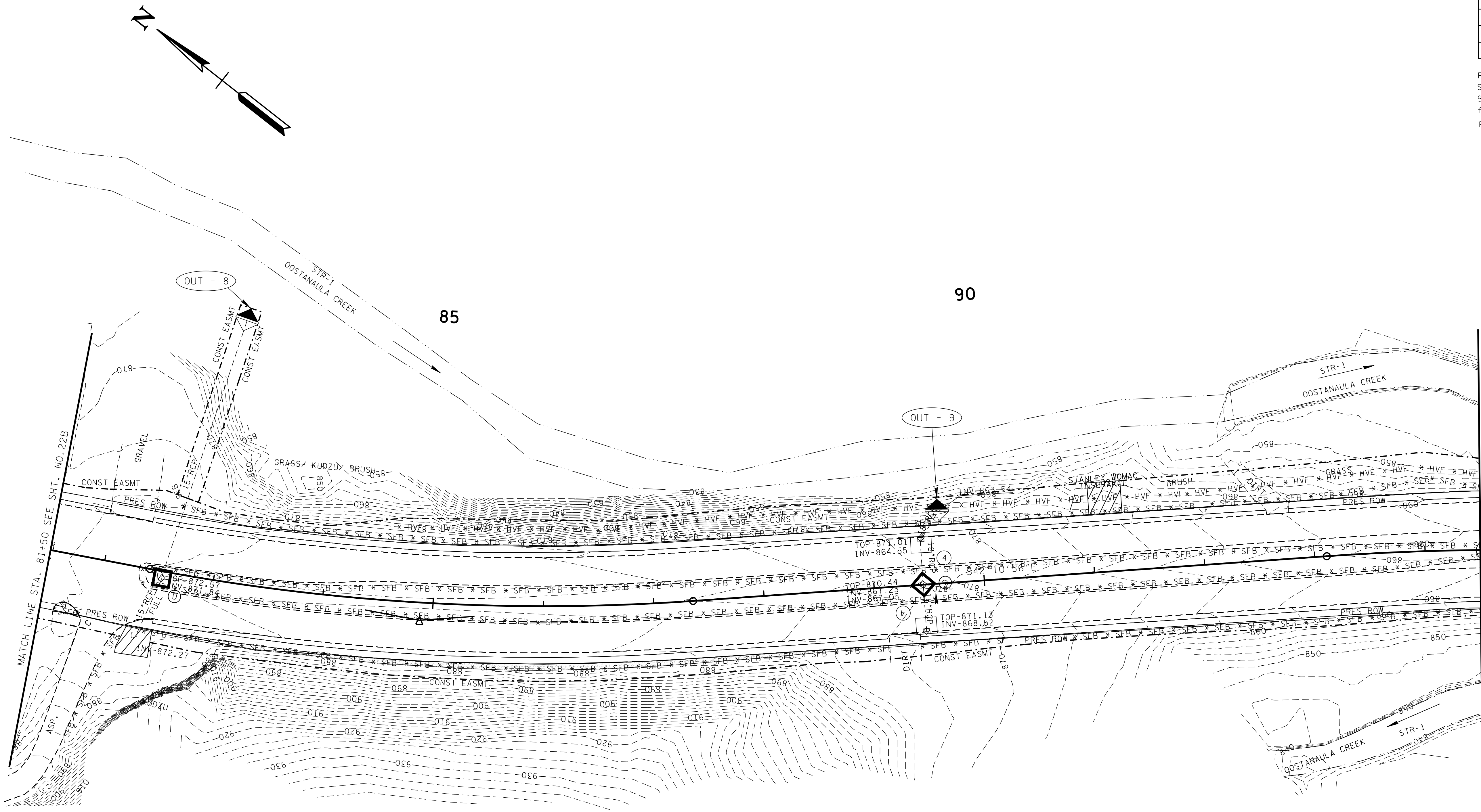
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 68+50 TO STA. 81+50  
SCALE: 1"= 50'

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22C       |
| CONST. | 2015 | NH-30(59)   | 22C       |
|        |      |             |           |
|        |      |             |           |

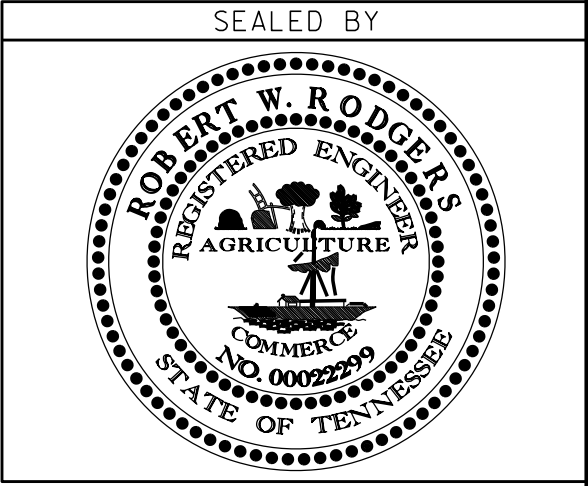
REV. 10-21-13  
Steepened fill slopes sta. 92+50 to 94+50 ft. and added high visibility fence.  
REV. 06-12-15  
Updated EPSC sheet.



| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND |                                   |            |
|------------------------------------------------|-----------------------------------|------------|
| SYMBOL                                         | ITEM                              | STD. DWG.  |
| * SFB * SFB * SFB *                            | SILT FENCE WITH WIRE BACKING      | EC-STR-3C  |
|                                                | ENHANCED ROCK CHECK DAM (V-DITCH) | EC-STR-6A  |
|                                                | CATCH BASIN PROTECTION (TYPE D)   | EC-STR-19  |
|                                                | CURB INLET PROTECTION (TYPE 4)    | EC-STR-39A |

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-8   | 1.30       | 12.00     |
| OUT-9   | 1.12       | 2.00      |

STAGE ONE  
CLEARING AND GRUBBING  
EXISTING CONTOURS SHOWN



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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

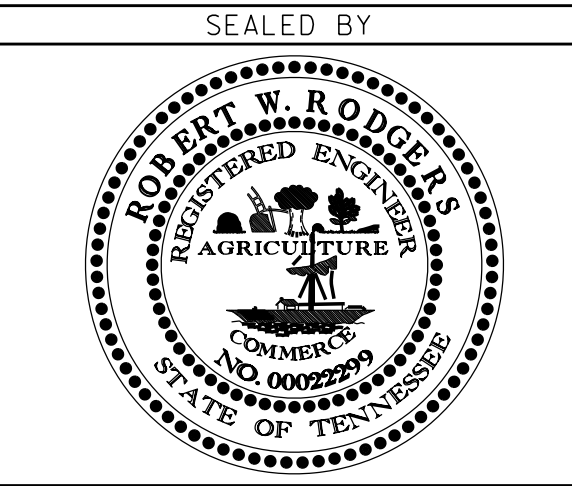
EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 81+50 TO STA. 94+50  
SCALE: 1"= 50'

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 220       |
| CONST. | 2015 | NH-30(59)   | 220       |
|        |      |             |           |

REV. 10-21-13  
Moved bus. ent. from sta. 103+11  
lt. to sta. 103+24.68 lt. and  
added high visibility fence.  
REV. 06-12-15  
Updated EPSC sheet.

| OUTFALL  | AREA (AC.) | SLOPE (%) |
|----------|------------|-----------|
| OUT-11   | 1.10       | 2.00      |
| OUT-12A  | 0.09       | 20.00     |
| OUT-12B  | 0.10       | 20.00     |
| OUT-12C  | 0.11       | 18.00     |
| OUT-12D  | 0.12       | 19.00     |
| OUT-13   | 1.70       | 10.00     |
| OUT-14C  | 0.02       | 2.00      |
| OUT-14F  | 0.22       | 2.22      |
| OUT-14G  | 0.32       | 2.00      |
| OUT-14H  | 0.16       | 2.00      |
| OUT-14K  | 0.25       | 2.00      |
| OUT-14L  | 0.13       | 2.00      |
| OUT-14J  | 0.38       | 3.33      |
| OUT-14M  | 0.13       | 2.50      |
| OUT-14P  | 0.21       | 2.00      |
| OUT-14N  | 0.22       | 2.00      |
| OUT-14R  | 2.25       | 4.00      |
| OUT-14S  | 0.24       | 2.00      |
| OUT-14T  | 0.14       | 3.33      |
| OUT-14U  | 0.26       | 2.00      |
| OUT-14AE | 0.15       | 1.00      |
| OUT-14AF | 0.15       | 1.00      |



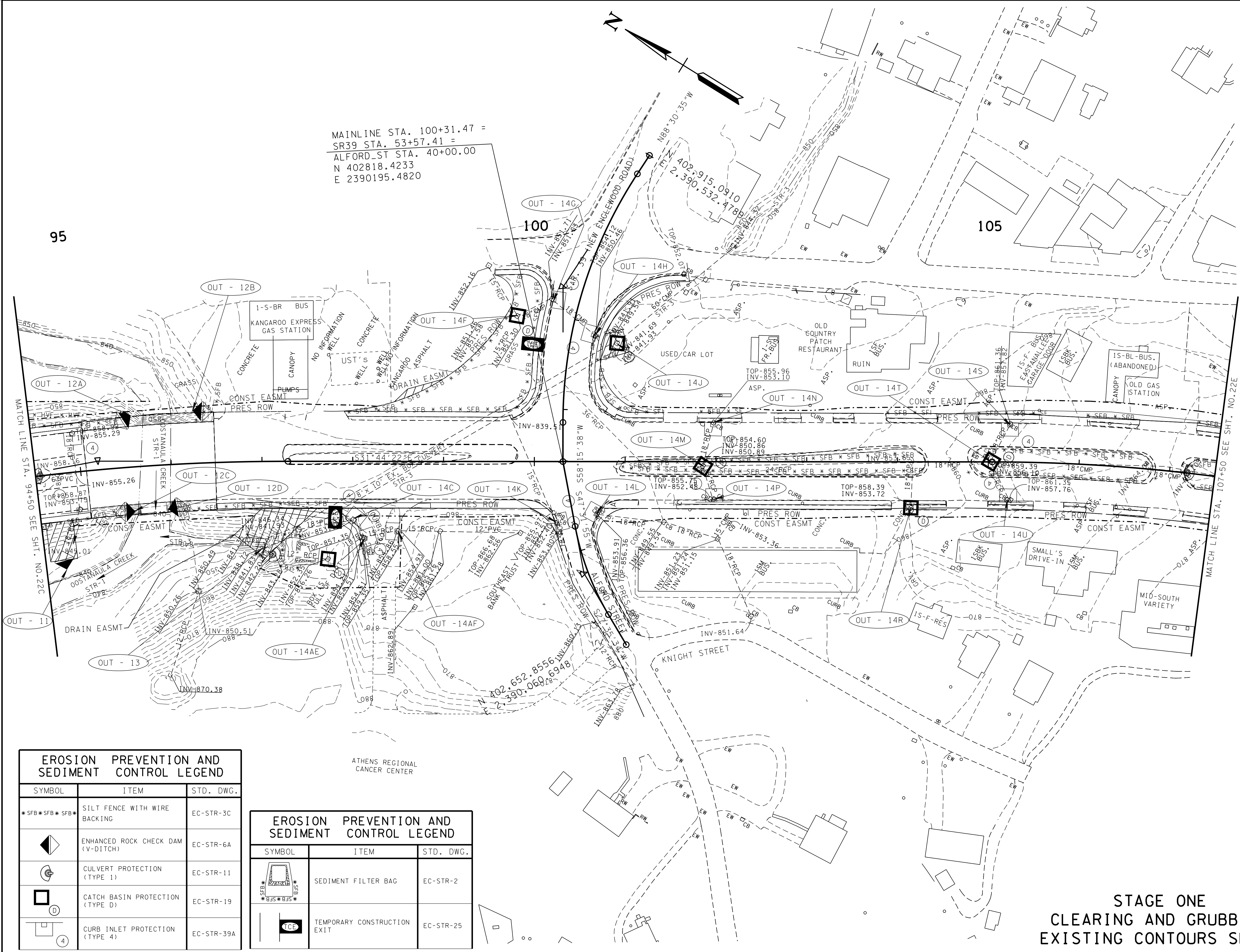
COORDINATES ARE NAD/83(1995),  
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 94+50 TO STA. 107+50  
SCALE: 1"= 50'

STAGE ONE  
CLEARING AND GRUBBING  
EXISTING CONTOURS SHOWN



| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND |                                   |            |
|------------------------------------------------|-----------------------------------|------------|
| SYMBOL                                         | ITEM                              | STD. DWG.  |
| * SFB * SFB * SFB *                            | SILT FENCE WITH WIRE BACKING      | EC-STR-3C  |
|                                                | ENHANCED ROCK CHECK DAM (V-DITCH) | EC-STR-6A  |
|                                                | CULVERT PROTECTION (TYPE 1)       | EC-STR-11  |
|                                                | CATCH BASIN PROTECTION (TYPE D)   | EC-STR-19  |
|                                                | CURB INLET PROTECTION (TYPE 4)    | EC-STR-39A |

| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND |                             |           |
|------------------------------------------------|-----------------------------|-----------|
| SYMBOL                                         | ITEM                        | STD. DWG. |
|                                                | SEDIMENT FILTER BAG         | EC-STR-2  |
|                                                | TEMPORARY CONSTRUCTION EXIT | EC-STR-25 |

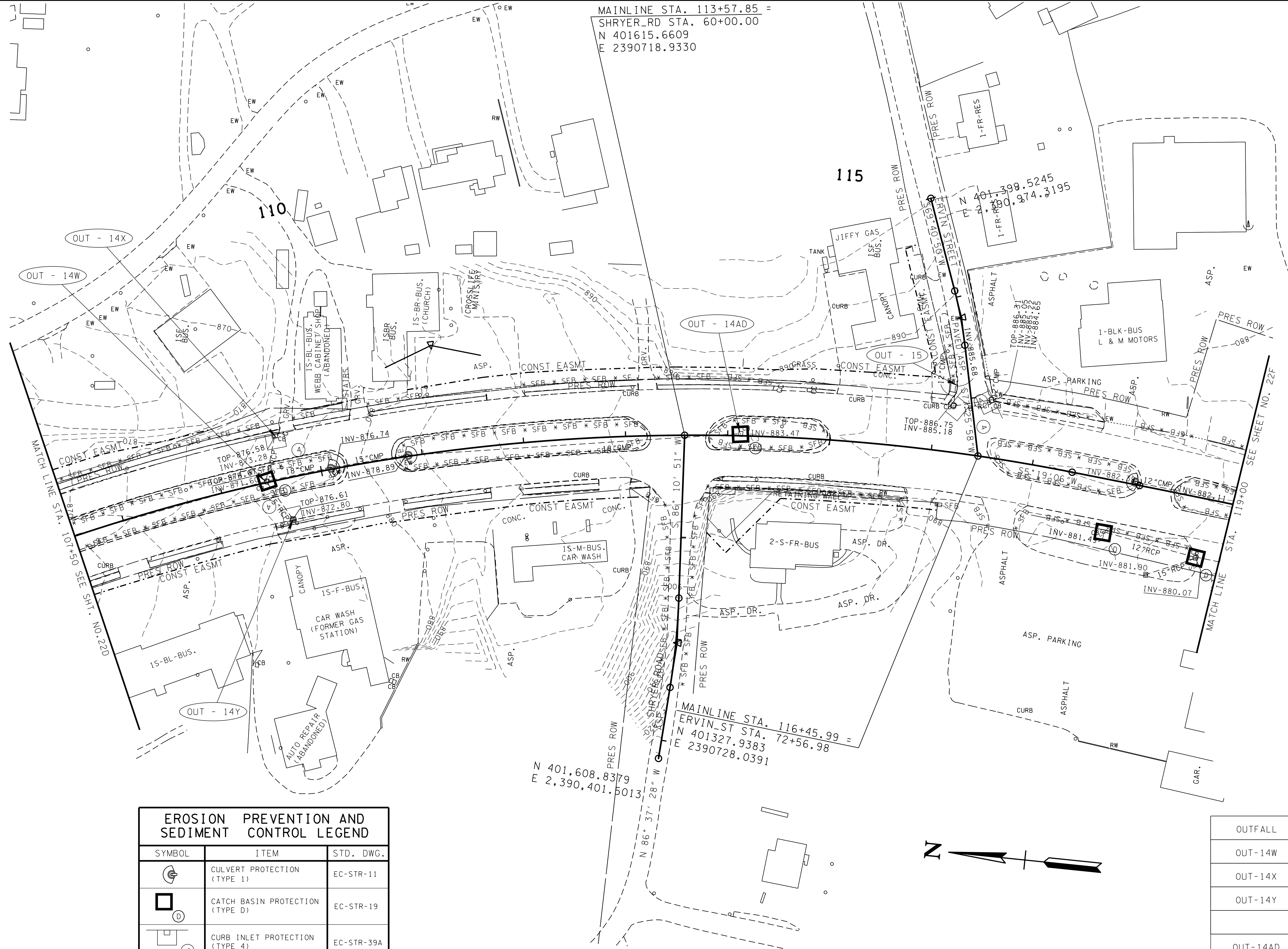
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MAINLINE STA. 113+57.85 =  
SHRYER RD STA. 60+00.00  
N 401615.6609  
E 2390718.9330

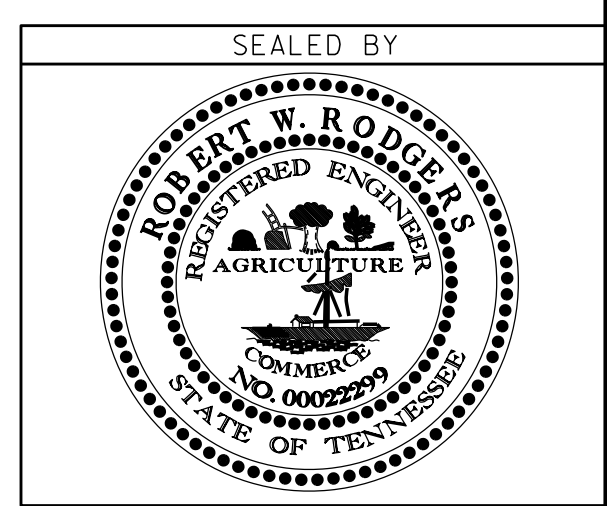
| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22E       |
| CONST. | 2015 | NH-30(59)   | 22E       |
|        |      |             |           |

REV. 10-21-13  
Added bus. ent. sta. 110+50 lt.  
Changed limit of const. for following  
ramps:  
sta. 114+63 lt.  
sta. 115+94 rt.  
sta. 118+54 lt.  
sta. 71+72(Ervin St.)lt.  
Added match line @ sta. 119+00  
REV. 06-12-15  
Updated EPSC sheet.



| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND |                                 |            |
|------------------------------------------------|---------------------------------|------------|
| SYMBOL                                         | ITEM                            | STD. DWG.  |
|                                                | CULVERT PROTECTION (TYPE 1)     | EC-STR-11  |
|                                                | CATCH BASIN PROTECTION (TYPE D) | EC-STR-19  |
|                                                | CURB INLET PROTECTION (TYPE 4)  | EC-STR-39A |
|                                                | SILT FENCE WITH WIRE BACKING    | EC-STR-3C  |

| OUTFALL  | AREA (AC.) | SLOPE (%) |
|----------|------------|-----------|
| OUT-14W  | 0.05       | 5.00      |
| OUT-14X  | 0.23       | 2.00      |
| OUT-14Y  | 0.23       | 2.00      |
| OUT-14AD | 0.18       | 2.00      |
| OUT-15   | 0.26       | 2.00      |



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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

**EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN**

STA. 107+50 TO STA. 119+00  
SCALE: 1"= 50'

**STAGE ONE  
CLEARING AND GRUBBING  
EXISTING CONTOURS SHOWN**

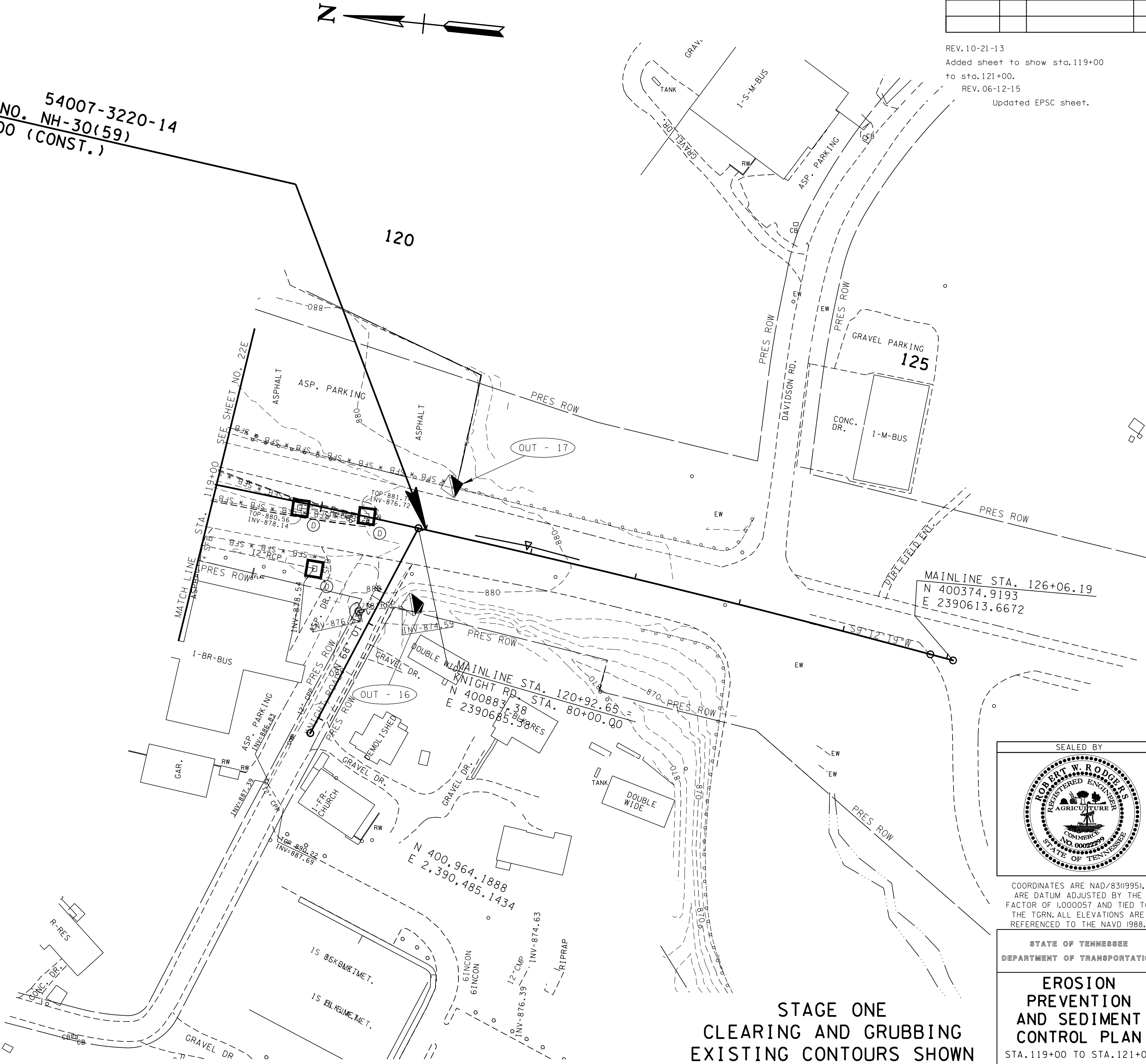
| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22F       |
| CONST. | 2015 | NH-30(59)   | 22F       |
|        |      |             |           |
|        |      |             |           |

REV.10-21-13  
Added sheet to show sta.119+00  
to sta.121+00.  
REV.06-12-15  
Updated EPSC sheet.

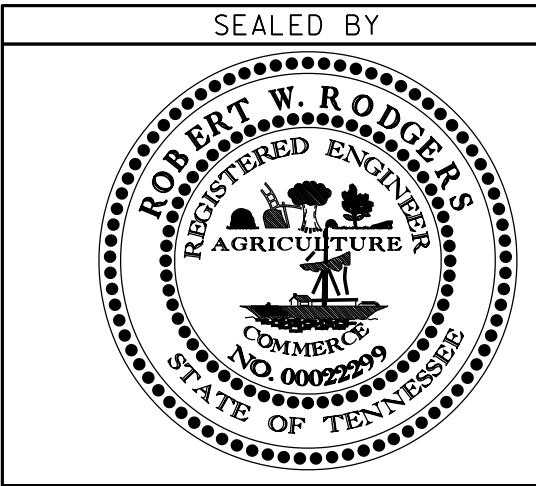
END PROJECT NO. 54007-3220-14  
STA. 121+00.00 (CONST.)

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-16  | 0.45       | 2.00      |
| OUT-17  | 0.40       | 2.00      |

| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND                                      |                                   |           |
|-------------------------------------------------------------------------------------|-----------------------------------|-----------|
| SYMBOL                                                                              | ITEM                              | STD. DWG. |
| *SFB*SFB*SFB*                                                                       | SILT FENCE WITH WIRE BACKING      | EC-STR-3C |
|  | CULVERT PROTECTION (TYPE 1)       | EC-STR-11 |
|  | CATCH BASIN PROTECTION (TYPE D)   | EC-STR-19 |
|  | ENHANCED ROCK CHECK DAM (V-DITCH) | EC-STR-6A |



STAGE ONE  
CLEARING AND GRUBBING  
EXISTING CONTOURS SHOWN

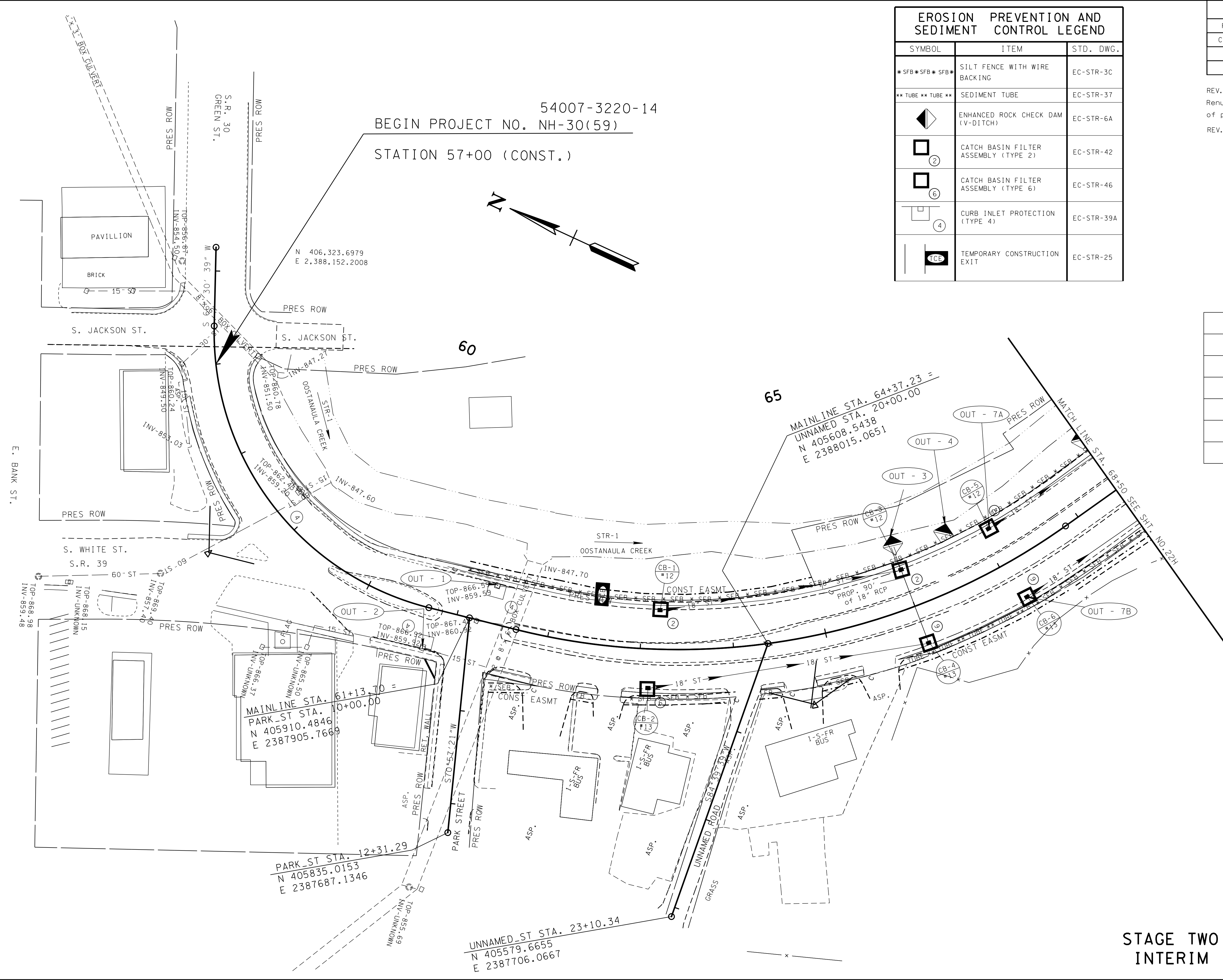


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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN  
STA. 119+00 TO STA. 121+00  
SCALE: 1"=50'

15 JUN 2015 16:49  
\\J02WF01.tdot.state.tn.us\02Shared\Design County Folders\McMinn\MM30\_Atlans\NEW SHEETS\MM030-04e22G.SHT

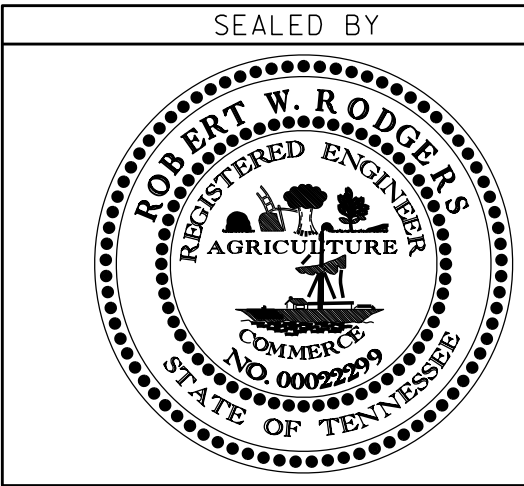


| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND |                                      |            |
|------------------------------------------------|--------------------------------------|------------|
| SYMBOL                                         | ITEM                                 | STD. DWG.  |
| * SFB * SFB * SFB *                            | SILT FENCE WITH WIRE BACKING         | EC-STR-3C  |
| ** TUBE ** TUBE **                             | SEDIMENT TUBE                        | EC-STR-37  |
|                                                | ENHANCED ROCK CHECK DAM (V-DITCH)    | EC-STR-6A  |
|                                                | CATCH BASIN FILTER ASSEMBLY (TYPE 2) | EC-STR-42  |
|                                                | CATCH BASIN FILTER ASSEMBLY (TYPE 6) | EC-STR-46  |
|                                                | CURB INLET PROTECTION (TYPE 4)       | EC-STR-39A |
|                                                | TEMPORARY CONSTRUCTION EXIT          | EC-STR-25  |

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22G       |
| CONST. | 2015 | NH-30(59)   | 22G       |
|        |      |             |           |
|        |      |             |           |

REV.10-21-13  
Renumbered sheet & extended beginning of project.  
REV.06-12-15  
Updated EPSC sheet.

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-1   | 0.17       | 1.00      |
| OUT-2   | 0.08       | 1.30      |
| OUT-3   | 1.20       | 2.41      |
| OUT-4   | 0.62       | 0.80      |
| OUT-7A  | 0.23       | 1.00      |
| OUT-7B  | 0.08       | 1.00      |



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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

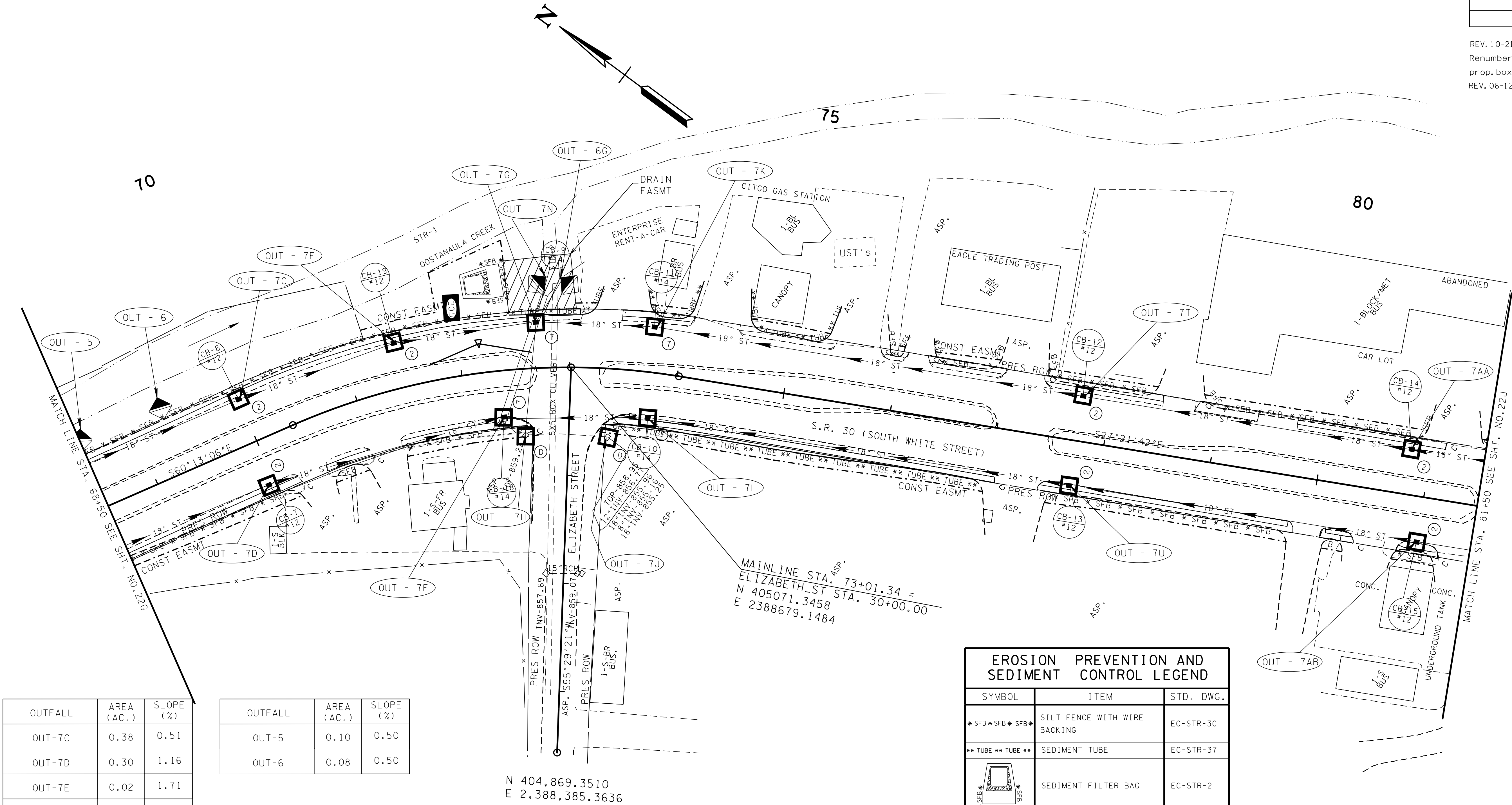
EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 57+00 TO STA. 68+50  
SCALE: 1"= 50'

STAGE TWO  
INTERIM

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22H       |
| CONST. | 2015 | NH-30(59)   | 22H       |
|        |      |             |           |
|        |      |             |           |

REV.10-21-13  
Renumbered sheet. Added cb 7A & moved  
prop.box culvert to sta.72+54.  
REV.06-12-15  
Updated EPSC sheet.



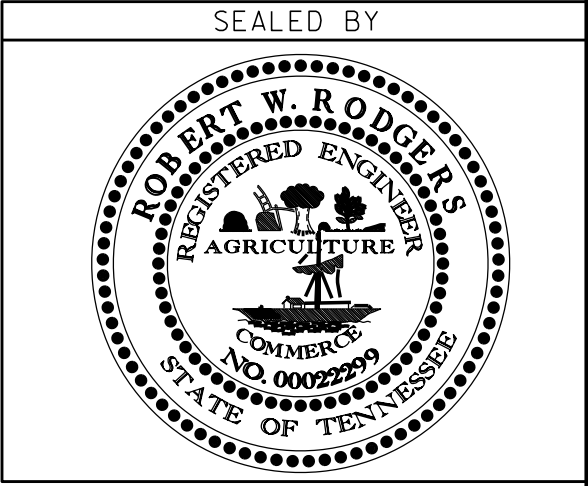
| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-7C  | 0.38       | 0.51      |
| OUT-7D  | 0.30       | 1.16      |
| OUT-7E  | 0.02       | 1.71      |
| OUT-7F  | 0.40       | 1.50      |
| OUT-7G  | 0.11       | 2.57      |
| OUT-7H  | 0.19       | 6.00      |
| OUT-7J  | 4.50       | 3.30      |
| OUT-7K  | 0.44       | 1.31      |
| OUT-7L  | 0.69       | 2.01      |
| OUT-7N  | 0.04       | 10.00     |
| OUT-7T  | 0.35       | 2.03      |
| OUT-7U  | 0.35       | 2.02      |
| OUT-7AA | 0.27       | 1.63      |
| OUT-7AB | 0.21       | 3.59      |

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-5   | 0.10       | 0.50      |
| OUT-6   | 0.08       | 0.50      |

N 404,869.3510  
E 2,388,385.3636

| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND |                                      |           |
|------------------------------------------------|--------------------------------------|-----------|
| SYMBOL                                         | ITEM                                 | STD. DWG. |
| *SFB*SFB*SFB*                                  | SILT FENCE WITH WIRE BACKING         | EC-STR-3C |
| **TUBE**TUBE**                                 | SEDIMENT TUBE                        | EC-STR-37 |
|                                                | SEDIMENT FILTER BAG                  | EC-STR-2  |
|                                                | CATCH BASIN PROTECTION (TYPE D)      | EC-STR-19 |
|                                                | CATCH BASIN FILTER ASSEMBLY (TYPE 2) | EC-STR-42 |
|                                                | CATCH BASIN FILTER ASSEMBLY (TYPE 7) | EC-STR-47 |
|                                                | ENHANCED ROCK CHECK DAM (V-DITCH)    | EC-STR-6A |
|                                                | TEMPORARY CONSTRUCTION EXIT          | EC-STR-25 |

STAGE TWO  
INTERIM



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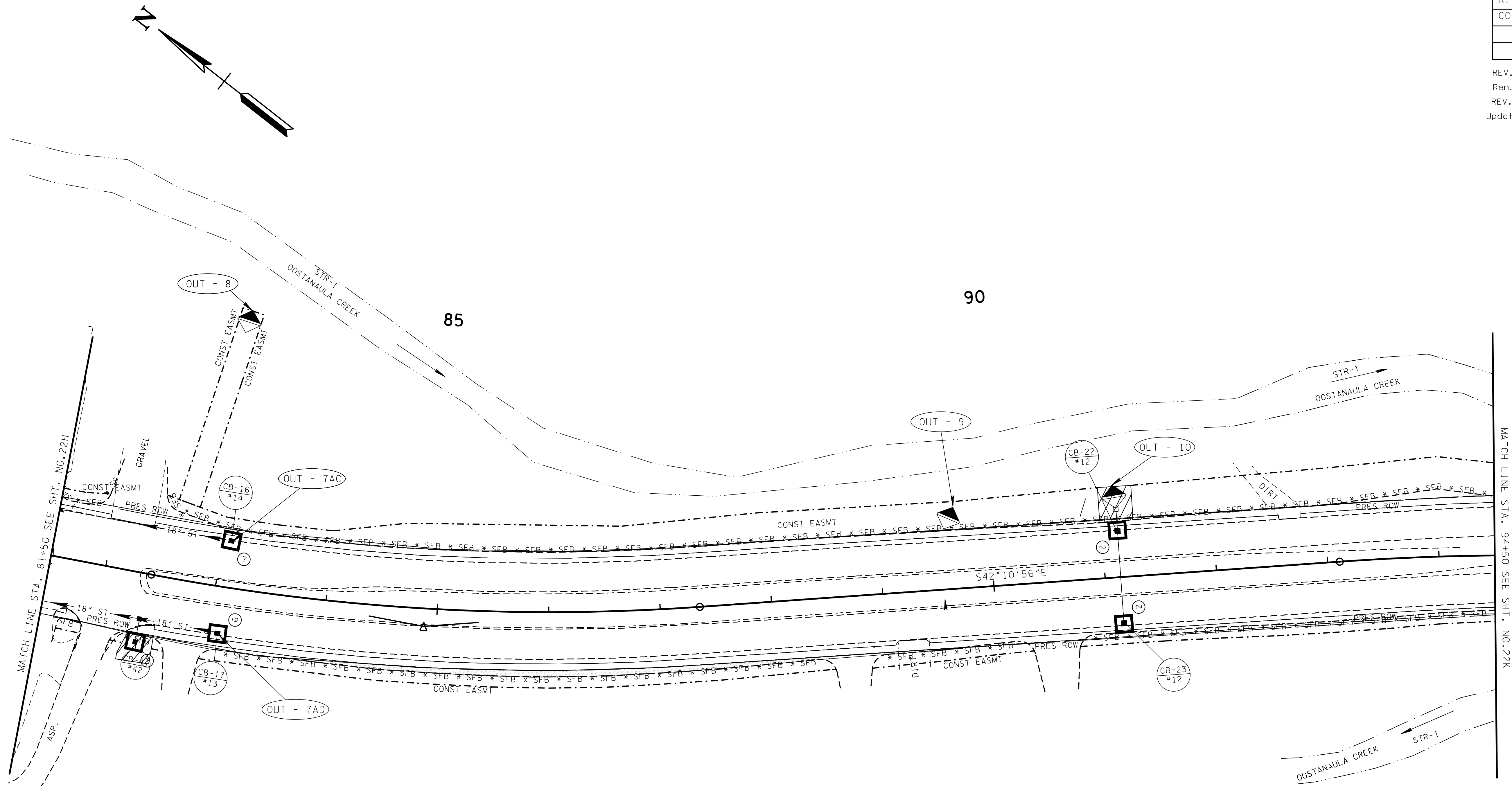
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 68+50 TO STA. 81+50  
SCALE: 1"= 50'

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22J       |
| CONST. | 2015 | NH-30(59)   | 22J       |
|        |      |             |           |
|        |      |             |           |

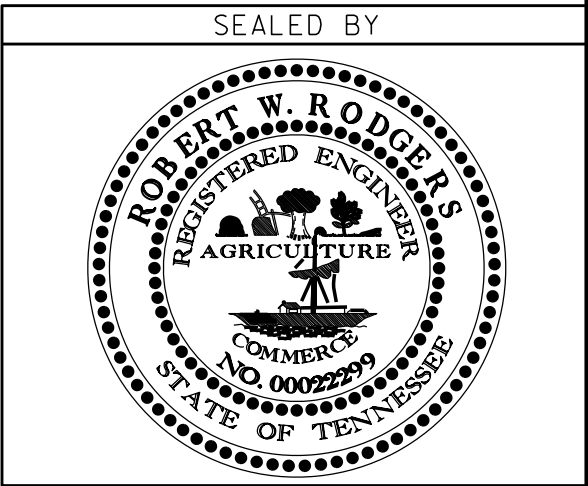
REV. 10-21-13  
Renumbered sheet.  
REV. 06-12-15  
Updated EPSC sheet.



| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND |                                      |           |
|------------------------------------------------|--------------------------------------|-----------|
| SYMBOL                                         | ITEM                                 | STD. DWG. |
| * SFB * SFB * SFB *                            | SILT FENCE WITH WIRE BACKING         | EC-STR-3C |
| ** TUBE ** TUBE **                             | SEDIMENT TUBE                        | EC-STR-37 |
|                                                | ENHANCED ROCK CHECK DAM (V-DITCH)    | EC-STR-6A |
|                                                | CATCH BASIN FILTER ASSEMBLY (TYPE 2) | EC-STR-42 |
|                                                | CATCH BASIN FILTER ASSEMBLY (TYPE 6) | EC-STR-46 |
|                                                | CATCH BASIN FILTER ASSEMBLY (TYPE 7) | EC-STR-47 |

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-7AC | 0.49       | 2.00      |
| OUT-7AD | 0.12       | 0.80      |
| OUT-8   | 1.30       | 12.00     |
| OUT-9   | 1.12       | 2.00      |
| OUT-10  | 1.18       | 0.50      |

STAGE TWO  
INTERIM



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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

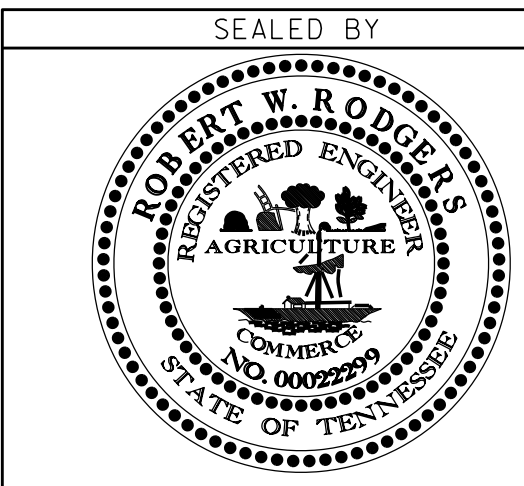
EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 81+50 TO STA. 94+50  
SCALE: 1"= 50'

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22K       |
| CONST. | 2015 | NH-30(59)   | 22K       |
|        |      |             |           |

REV. 10-21-13  
Renumbered sheet.  
REV. 06-12-15  
Updated EPSC sheet.

| OUTFALL  | AREA (AC.) | SLOPE (%) |
|----------|------------|-----------|
| OUT-11   | 0.79       | 2.36      |
| OUT-12A  | 0.09       | 20.00     |
| OUT-12B  | 0.10       | 20.00     |
| OUT-12C  | 0.11       | 18.00     |
| OUT-12D  | 0.12       | 19.00     |
| OUT-13   | 1.70       | 10.00     |
| OUT-14A  | 0.46       | 2.12      |
| OUT-14B  | 0.26       | 1.70      |
| OUT-14D  | 0.15       | 0.51      |
| OUT-14E  | 0.24       | 0.51      |
| OUT-14F  | 0.30       | 3.00      |
| OUT-14G  | 0.15       | 1.00      |
| OUT-14H  | 0.15       | 1.00      |
| OUT-14K  | 0.10       | 1.10      |
| OUT-14L  | 0.12       | 1.10      |
| OUT-14N  | 0.58       | 2.20      |
| OUT-14P  | 0.58       | 2.02      |
| OUT-14S  | 0.18       | 3.48      |
| OUT-14U  | 0.56       | 3.42      |
| OUT-14AE | 0.15       | 1.00      |
| OUT-14AF | 0.15       | 1.00      |
| OUT-14C  | 0.15       | 1.00      |
| OUT-14R  | 0.15       | 1.00      |



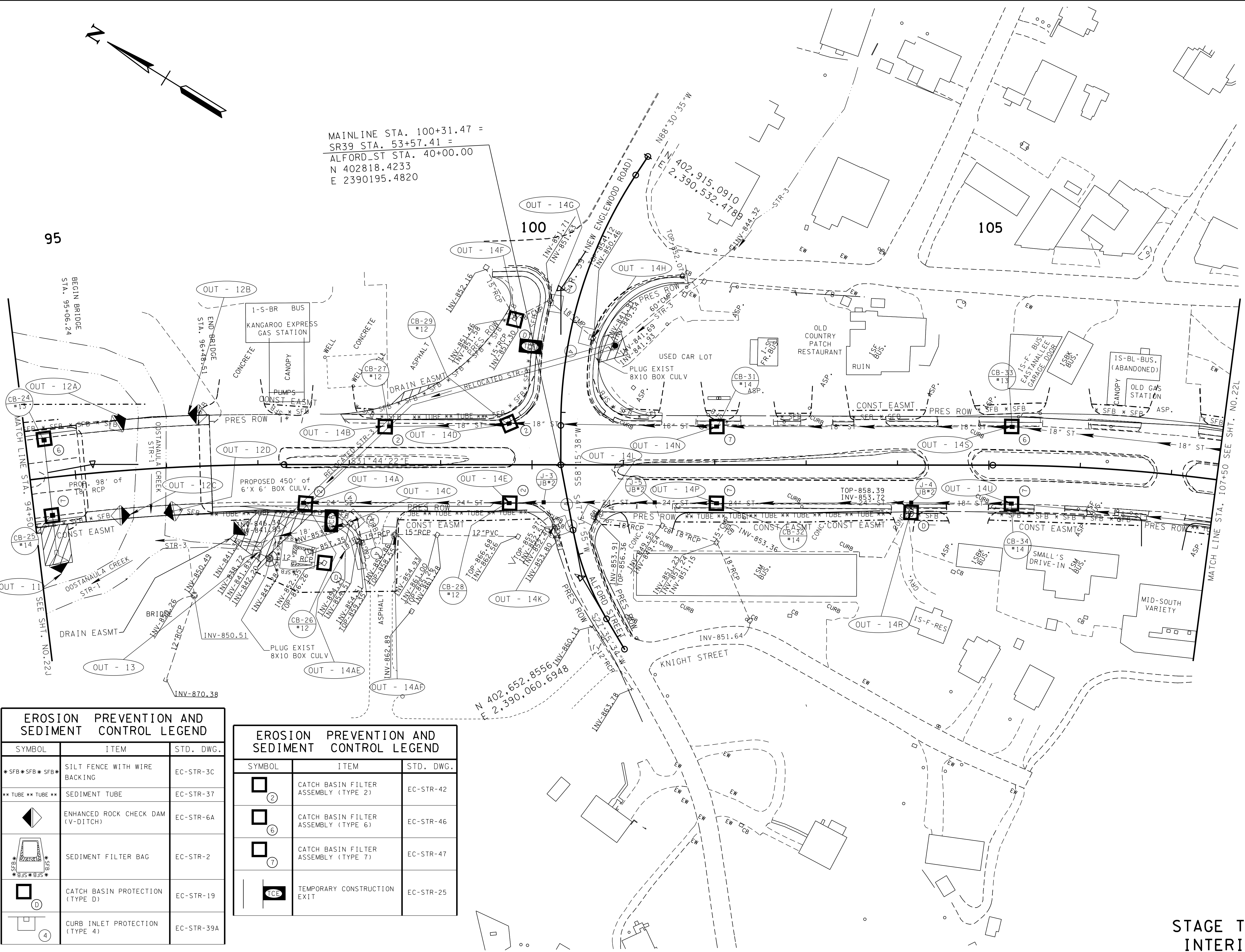
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DEPARTMENT OF TRANSPORTATION

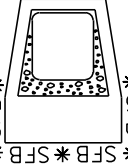
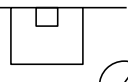
**EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN**

STA. 94+50 TO STA. 107+50  
SCALE: 1"= 50'

**STAGE TWO  
INTERIM**



MAINLINE STA. 100+31.47 =  
SR39 STA. 53+57.41 =  
ALFORD ST STA. 40+00.00  
N 402818.4233  
E 2390195.4820

| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND                                      |                                   |            |
|-------------------------------------------------------------------------------------|-----------------------------------|------------|
| SYMBOL                                                                              | ITEM                              | STD. DWG.  |
| *SFB*SFB*SFB*                                                                       | SILT FENCE WITH WIRE BACKING      | EC-STR-3C  |
| **TUBE**TUBE**                                                                      | SEDIMENT TUBE                     | EC-STR-37  |
|  | ENHANCED ROCK CHECK DAM (V-DITCH) | EC-STR-6A  |
|  | SEDIMENT FILTER BAG               | EC-STR-2   |
|  | CATCH BASIN PROTECTION (TYPE D)   | EC-STR-19  |
|  | CURB INLET PROTECTION (TYPE 4)    | EC-STR-39A |

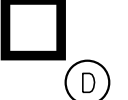
| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND                                      |                                      |           |
|-------------------------------------------------------------------------------------|--------------------------------------|-----------|
| SYMBOL                                                                              | ITEM                                 | STD. DWG. |
|  | CATCH BASIN FILTER ASSEMBLY (TYPE 2) | EC-STR-42 |
|  | CATCH BASIN FILTER ASSEMBLY (TYPE 6) | EC-STR-46 |
|  | CATCH BASIN FILTER ASSEMBLY (TYPE 7) | EC-STR-47 |
|  | TEMPORARY CONSTRUCTION EXIT          | EC-STR-25 |



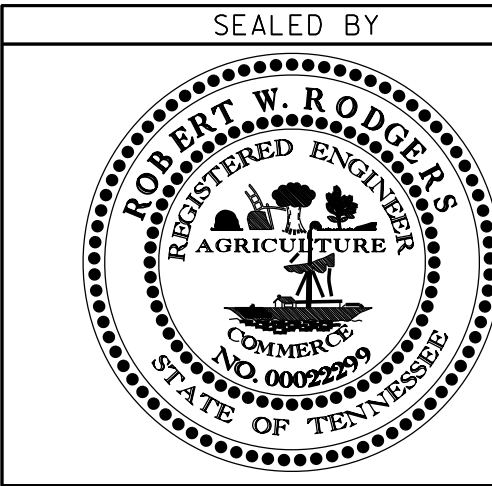
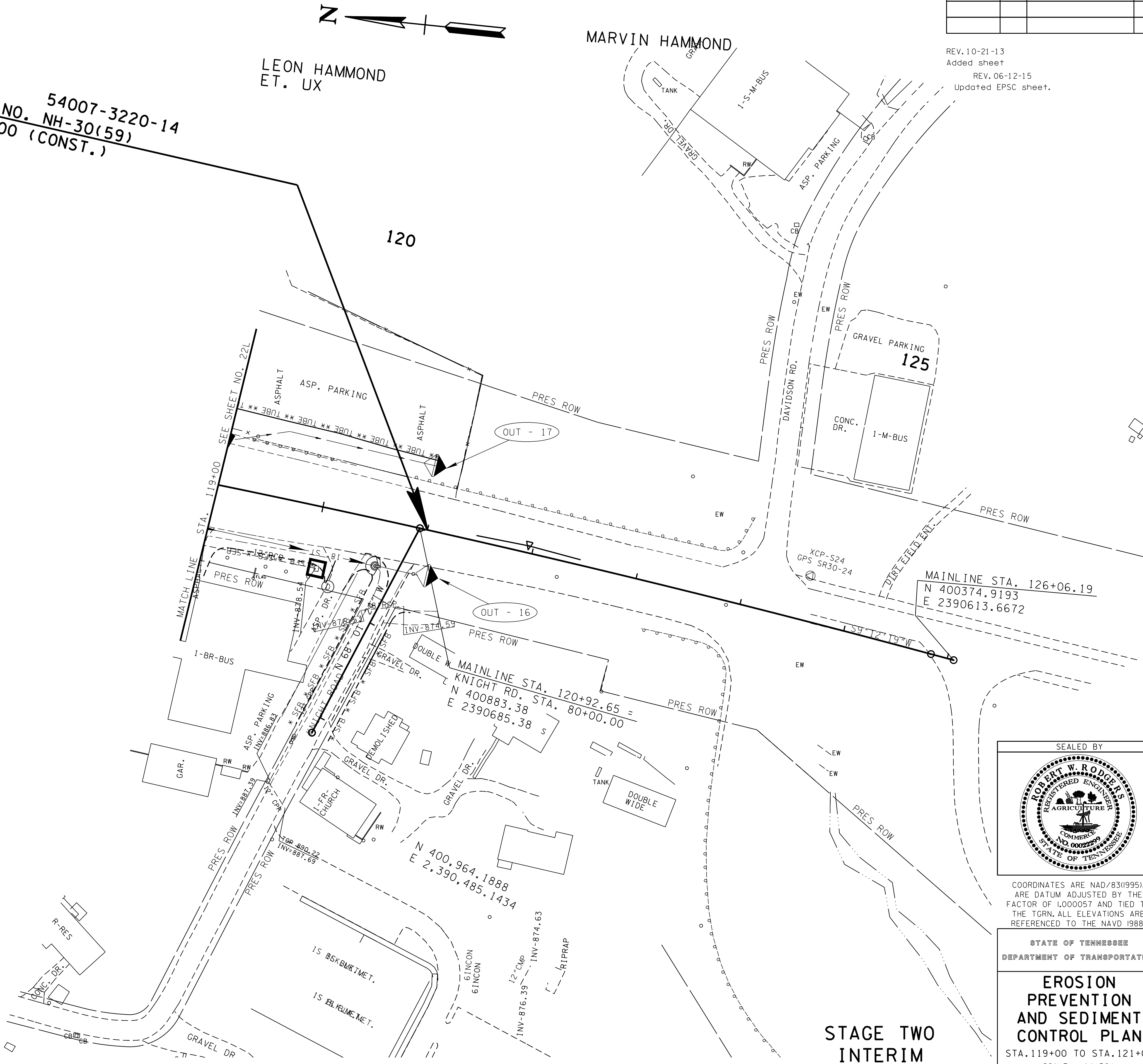
| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22M       |
| CONST. | 2015 | NH-30(59)   | 22M       |
|        |      |             |           |
|        |      |             |           |

REV. 10-21-13  
Added sheet

REV. 06-12-15  
Updated EPSC sheet.

| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND                                     |                                   |           |
|------------------------------------------------------------------------------------|-----------------------------------|-----------|
| SYMBOL                                                                             | ITEM                              | STD. DWG. |
| *SFB*SFB*SFB*                                                                      | SILT FENCE WITH WIRE BACKING      | EC-STR-3C |
| **TUBE**TUBE**                                                                     | SEDIMENT TUBE                     | EC-STR-37 |
|   | ENHANCED ROCK CHECK DAM (V-DITCH) | EC-STR-6A |
|   | CULVERT PROTECTION (TYPE 1)       | EC-STR-11 |
|  | CATCH BASIN PROTECTION (TYPE D)   | EC-STR-19 |

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-16  | 1.00       | 1.00      |
| OUT-17  | 0.60       | 1.40      |



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FACTOR OF 1.000057 AND TIED TO  
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DEPARTMENT OF TRANSPORTATION

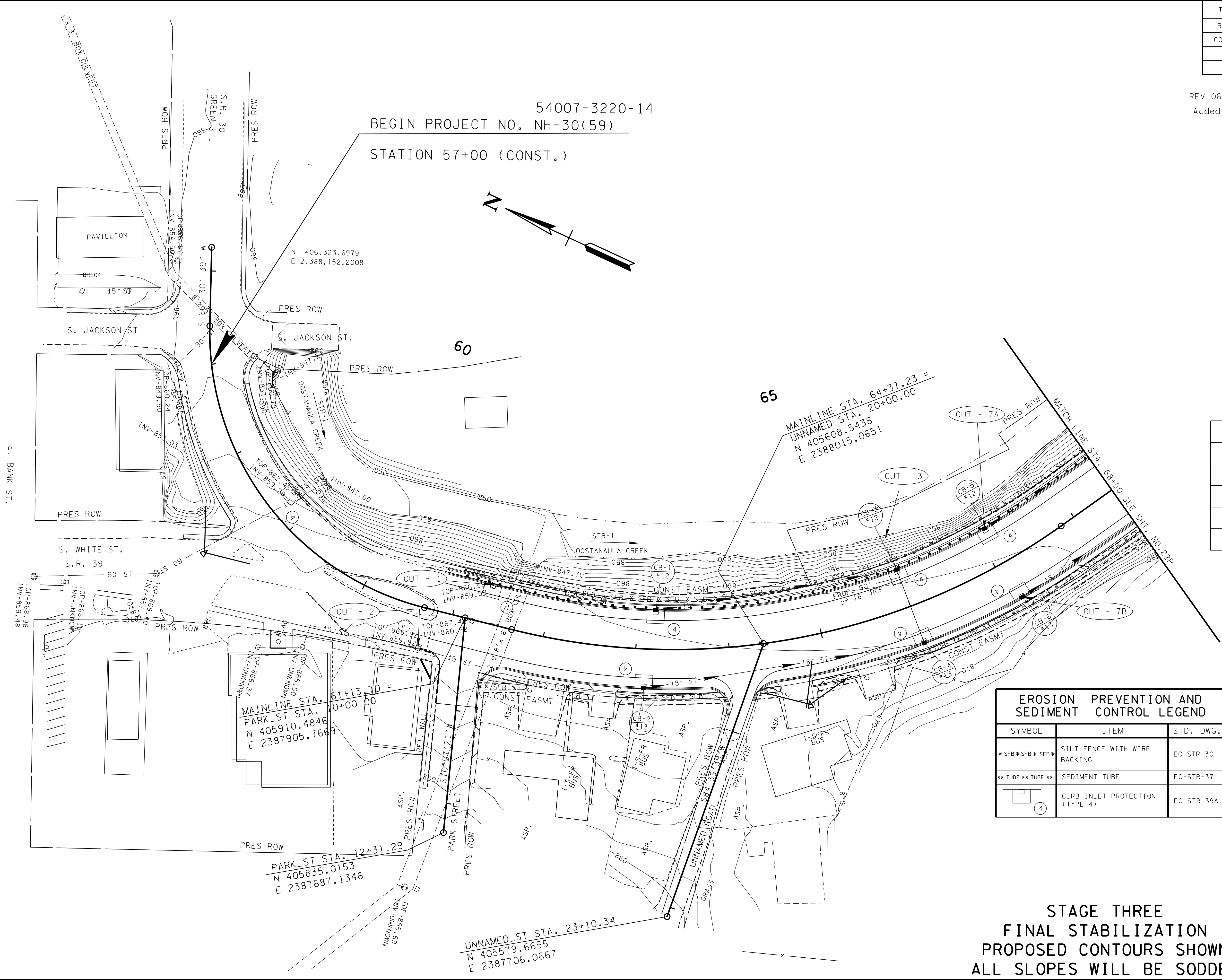
EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 119+00 TO STA. 121+00  
SCALE: 1"=50'

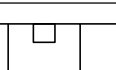
STAGE TWO  
INTERIM

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22N       |
| CONST. | 2015 | NH-30(59)   | 22N       |
|        |      |             |           |
|        |      |             |           |

REV 06-12-15  
Added sheet.



| OUTFALL | AREA<br>(AC.) | SLOPE<br>(%) |
|---------|---------------|--------------|
| OUT-1   | 0.17          | 1.00         |
| OUT-2   | 0.08          | 1.30         |
| OUT-3   | 1.20          | 2.41         |
| OUT-7A  | 0.23          | 1.00         |
| OUT-7B  | 0.08          | 1.00         |

| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND                                               |                                   |            |
|----------------------------------------------------------------------------------------------|-----------------------------------|------------|
| SYMBOL                                                                                       | ITEM                              | STD. DWG.  |
| * SFB * SFB * SFB *                                                                          | SILT FENCE WITH WIRE BACKING      | EC-STR-3C  |
| ** TUBE ** TUBE **                                                                           | SEDIMENT TUBE                     | EC-STR-37  |
| <br>(4) | CURB INLET PROTECTION<br>(TYPE 4) | EC-STR-39A |

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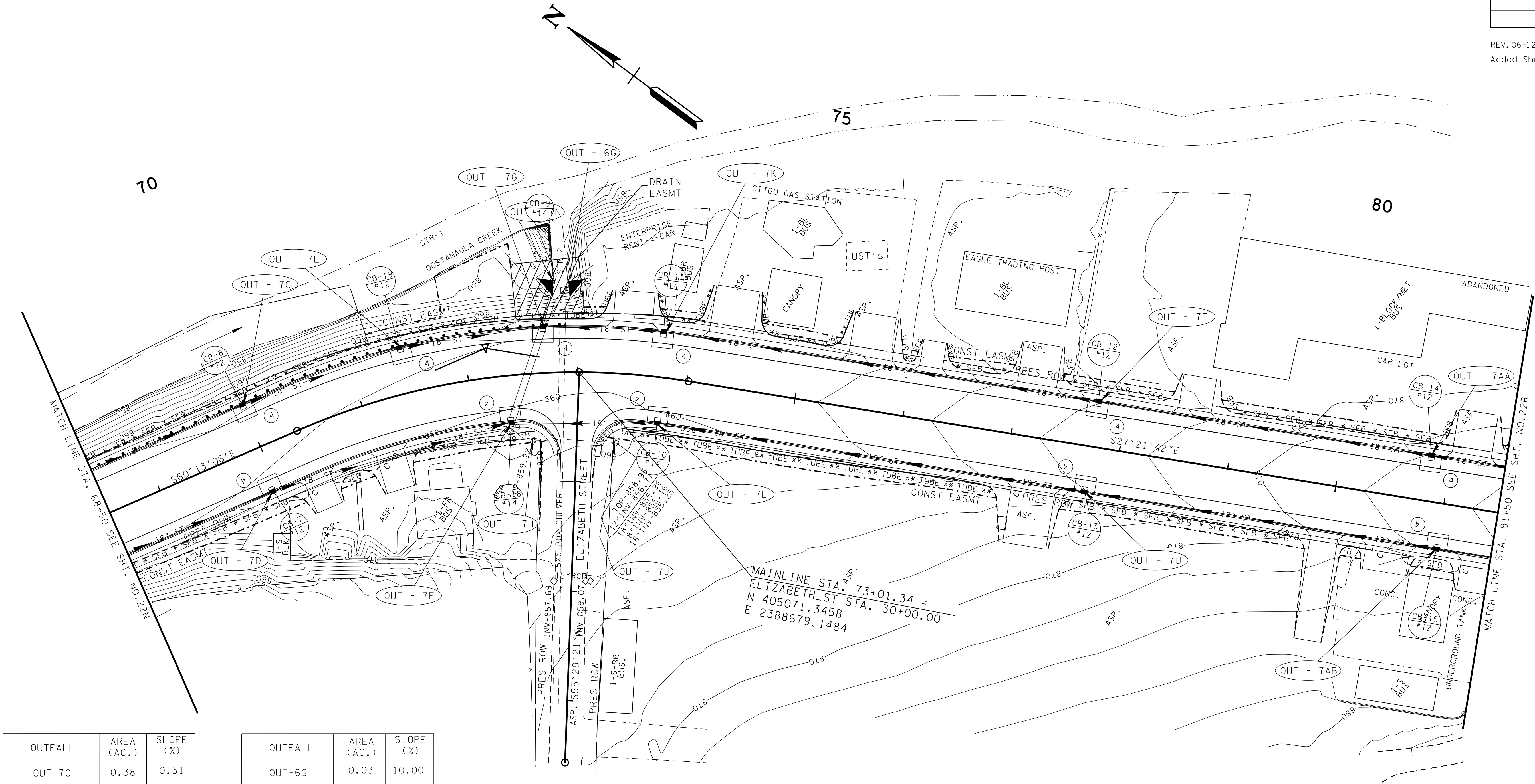
# EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 57+00 TO STA. 68+00  
SCALE: 1" = 50'

STAGE THREE  
FINAL STABILIZATION  
PROPOSED CONTOURS SHOWN  
ALL SLOPES WILL BE SODDED

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22P       |
| CONST. | 2015 | NH-30(59)   | 22P       |
|        |      |             |           |
|        |      |             |           |

REV. 06-12-15  
Added Sheet.



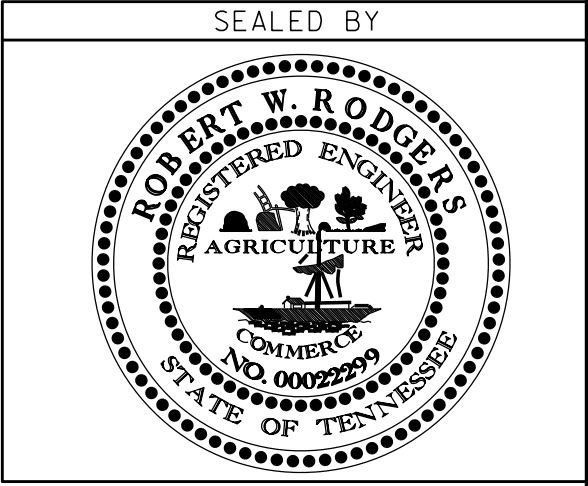
| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-7C  | 0.38       | 0.51      |
| OUT-7D  | 0.30       | 1.16      |
| OUT-7E  | 0.02       | 1.71      |
| OUT-7F  | 0.40       | 1.50      |
| OUT-7G  | 0.11       | 2.57      |
| OUT-7H  | 0.19       | 6.00      |
| OUT-7J  | 4.50       | 3.30      |
| OUT-7K  | 0.44       | 1.31      |
| OUT-7L  | 0.69       | 2.01      |
| OUT-7T  | 0.35       | 2.03      |
| OUT-7U  | 0.35       | 2.02      |
| OUT-7AA | 0.27       | 1.63      |
| OUT-7AB | 0.21       | 3.59      |

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-6G  | 0.03       | 10.00     |
| OUT-7N  | 0.04       | 10.00     |
|         |            |           |

N 404,869.3510  
E 2,388,385.3636

| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND |                                |            |
|------------------------------------------------|--------------------------------|------------|
| SYMBOL                                         | ITEM                           | STD. DWG.  |
| * SFB * SFB * SFB *                            | SILT FENCE WITH WIRE BACKING   | EC-STR-3C  |
| ** TUBE ** TUBE **                             | SEDIMENT TUBE                  | EC-STR-37  |
| (4)                                            | CURB INLET PROTECTION (TYPE 4) | EC-STR-39A |

STAGE THREE  
FINAL STABILIZATION  
PROPOSED CONTOURS SHOWN  
ALL SLOPES WILL BE SODDED



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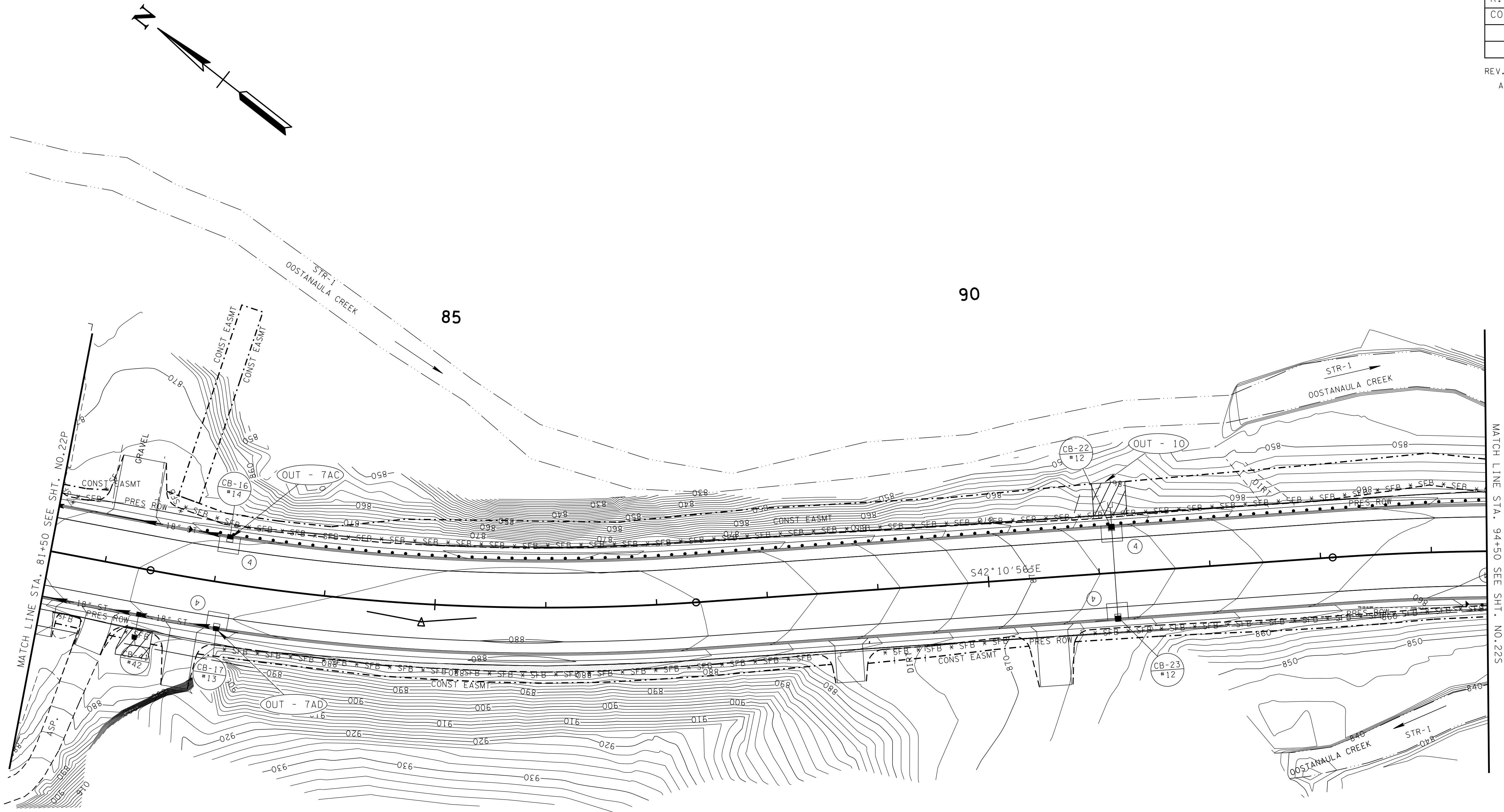
STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

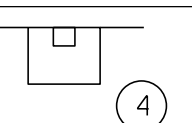
EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 68+50 TO STA. 81+50  
SCALE: 1" = 50'

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22R       |
| CONST. | 2015 | NH-30(59)   | 22R       |
|        |      |             |           |
|        |      |             |           |

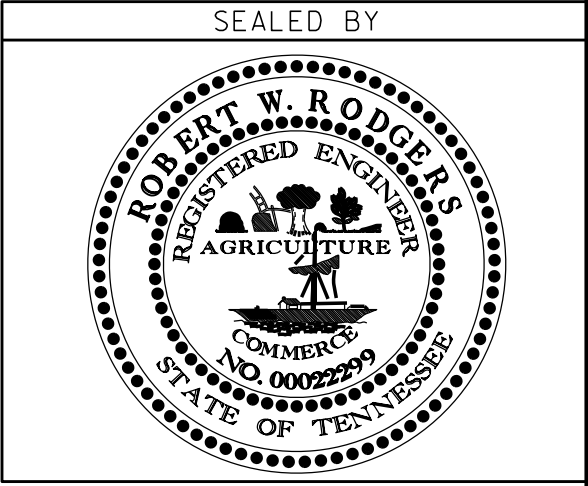
REV. 06-12-15  
Added sheet.



| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND                                        |                                |            |
|---------------------------------------------------------------------------------------|--------------------------------|------------|
| SYMBOL                                                                                | ITEM                           | STD. DWG.  |
| * SFB * SFB * SFB *                                                                   | SILT FENCE WITH WIRE BACKING   | EC-STR-3C  |
| ** TUBE ** TUBE **                                                                    | SEDIMENT TUBE                  | EC-STR-37  |
|  | CURB INLET PROTECTION (TYPE 4) | EC-STR-39A |

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-7AC | 0.49       | 2.00      |
| OUT-7AD | 0.12       | 0.80      |
| OUT-10  | 1.18       | 0.50      |

STAGE THREE  
FINAL STABILIZATION  
PROPOSED CONTOURS SHOWN  
ALL SLOPES WILL BE SODDED



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DEPARTMENT OF TRANSPORTATION

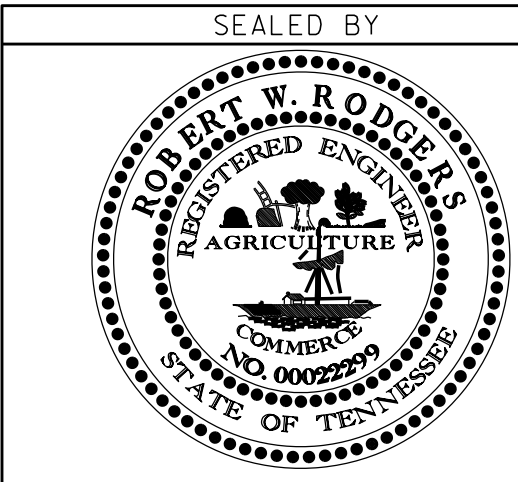
EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 81+50 TO STA. 94+50  
SCALE: 1"= 50'

| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 225       |
| CONST. | 2015 | NH-30(59)   | 225       |
|        |      |             |           |

REV. 06-12-15  
Added sheet.

| OUTFALL  | AREA (AC.) | SLOPE (%) |
|----------|------------|-----------|
| OUT-11   | 0.79       | 2.36      |
| OUT-14A  | 0.46       | 2.12      |
| OUT-14B  | 0.26       | 1.70      |
| OUT-14D  | 0.15       | 0.51      |
| OUT-14E  | 0.24       | 0.51      |
| OUT-14F  | 0.30       | 3.00      |
| OUT-14G  | 0.15       | 1.00      |
| OUT-14H  | 0.15       | 1.00      |
| OUT-14K  | 0.10       | 1.10      |
| OUT-14L  | 0.12       | 1.10      |
| OUT-14N  | 0.58       | 2.20      |
| OUT-14P  | 0.58       | 2.02      |
| OUT-14S  | 0.18       | 3.48      |
| OUT-14U  | 0.56       | 3.42      |
| OUT-14AE | 0.15       | 1.00      |
| OUT-14AF | 0.15       | 1.00      |
| OUT-14C  | 0.15       | 1.00      |

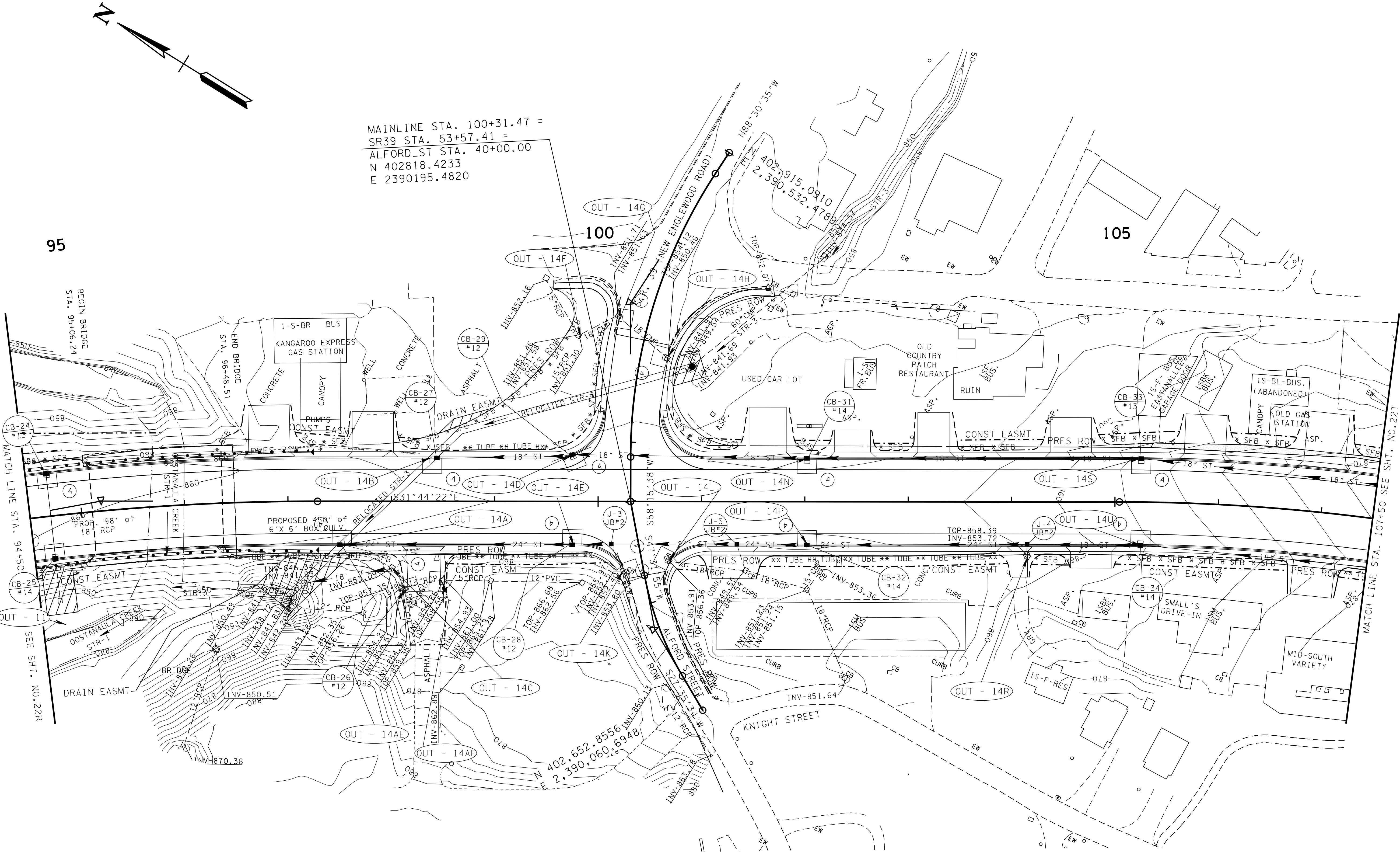


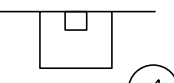
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STATE OF TENNESSEE  
DEPARTMENT OF TRANSPORTATION

EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN

STA. 94+50 TO STA. 107+50  
SCALE: 1"= 50'



| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND                                            |                                |            |
|-------------------------------------------------------------------------------------------|--------------------------------|------------|
| SYMBOL                                                                                    | ITEM                           | STD. DWG.  |
| * SFB * SFB * SFB *                                                                       | SILT FENCE WITH WIRE BACKING   | EC-STR-3C  |
| ** TUBE ** TUBE **                                                                        | SEDIMENT TUBE                  | EC-STR-37  |
|  (4) | CURB INLET PROTECTION (TYPE 4) | EC-STR-39A |

STAGE THREE  
FINAL STABILIZATION  
PROPOSED CONTOURS SHOWN  
ALL SLOPES WILL BE SODDED

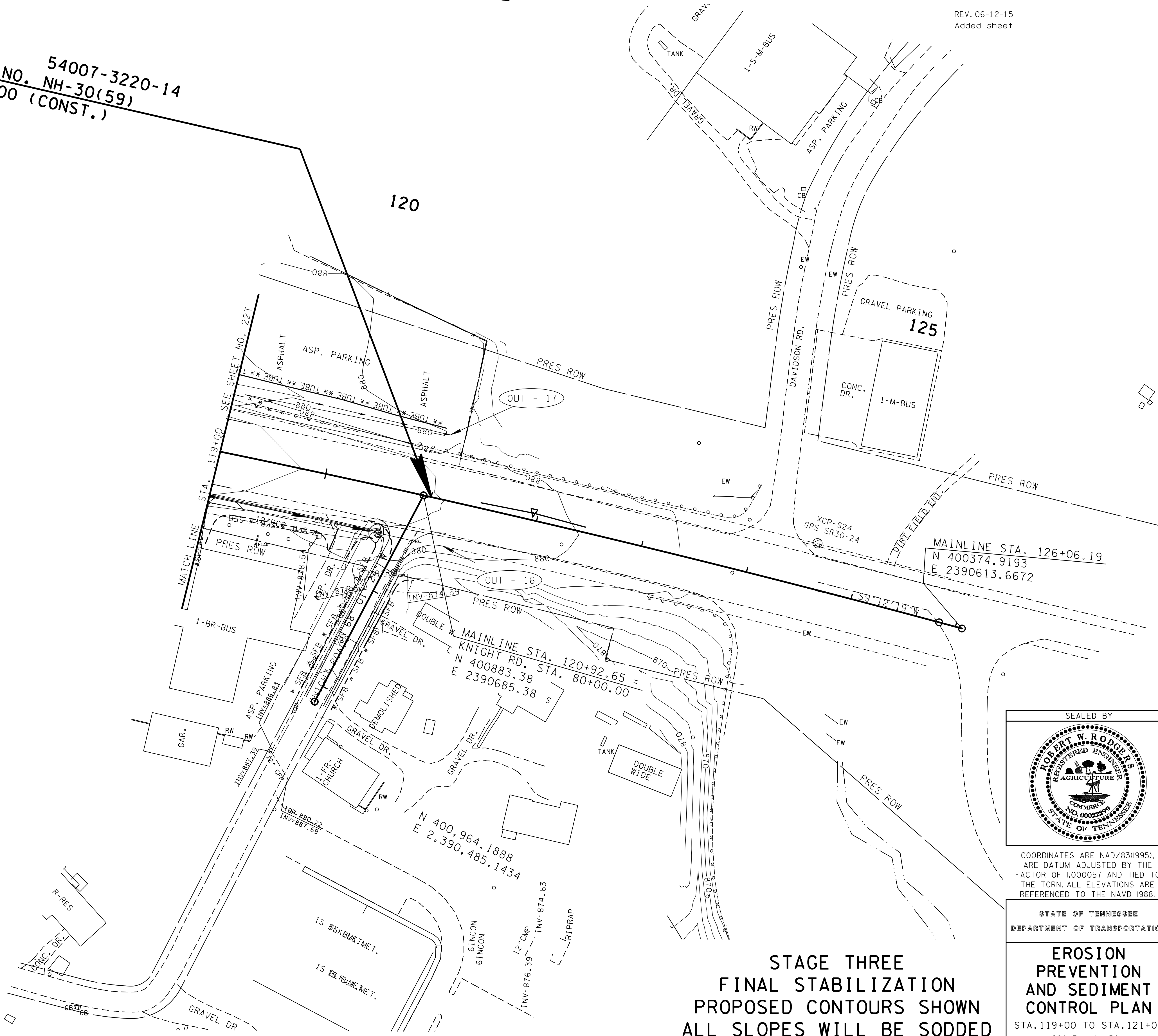


| TYPE   | YEAR | PROJECT NO. | SHEET NO. |
|--------|------|-------------|-----------|
| R.O.W. | 2013 | STP-30(59)  | 22U       |
| CONST. | 2015 | NH-30(59)   | 22U       |
|        |      |             |           |
|        |      |             |           |

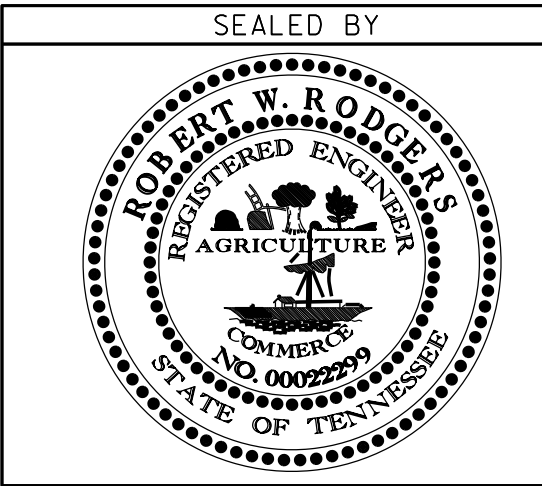
REV. 06-12-15  
Added sheet

| EROSION PREVENTION AND SEDIMENT CONTROL LEGEND                                    |                              |           |
|-----------------------------------------------------------------------------------|------------------------------|-----------|
| SYMBOL                                                                            | ITEM                         | STD. DWG. |
| *SFB*SFB*SFB*                                                                     | SILT FENCE WITH WIRE BACKING | EC-STR-3C |
| **TUBE**TUBE**                                                                    | SEDIMENT TUBE                | EC-STR-37 |
|  | CULVERT PROTECTION (TYPE 1)  | EC-STR-11 |

| OUTFALL | AREA (AC.) | SLOPE (%) |
|---------|------------|-----------|
| OUT-16  | 1.00       | 1.00      |
| OUT-17  | 0.60       | 1.40      |



STAGE THREE  
FINAL STABILIZATION  
PROPOSED CONTOURS SHOWN  
ALL SLOPES WILL BE SODDED



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EROSION  
PREVENTION  
AND SEDIMENT  
CONTROL PLAN  
STA. 119+00 TO STA. 121+00  
SCALE: 1"=50'