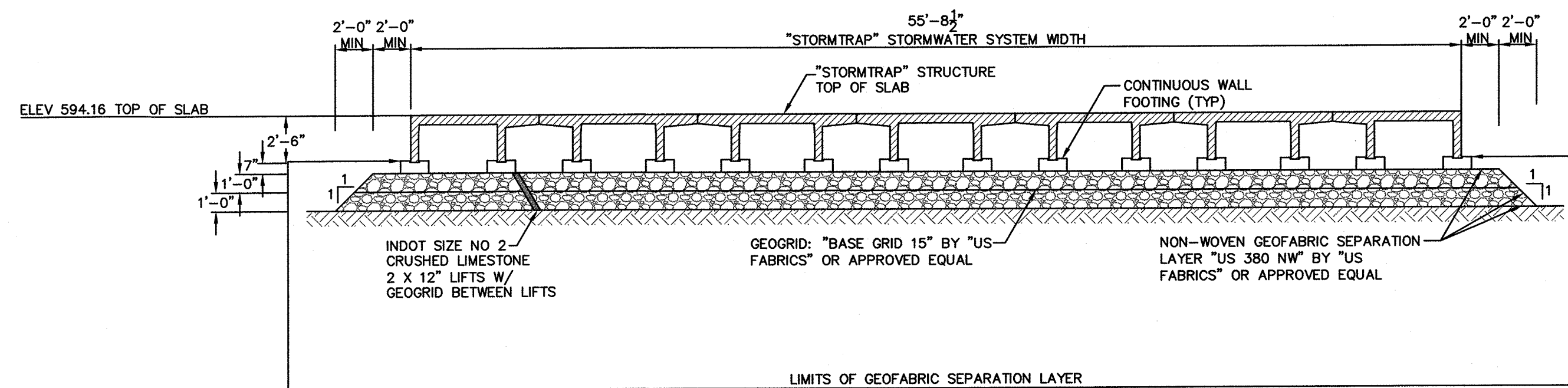


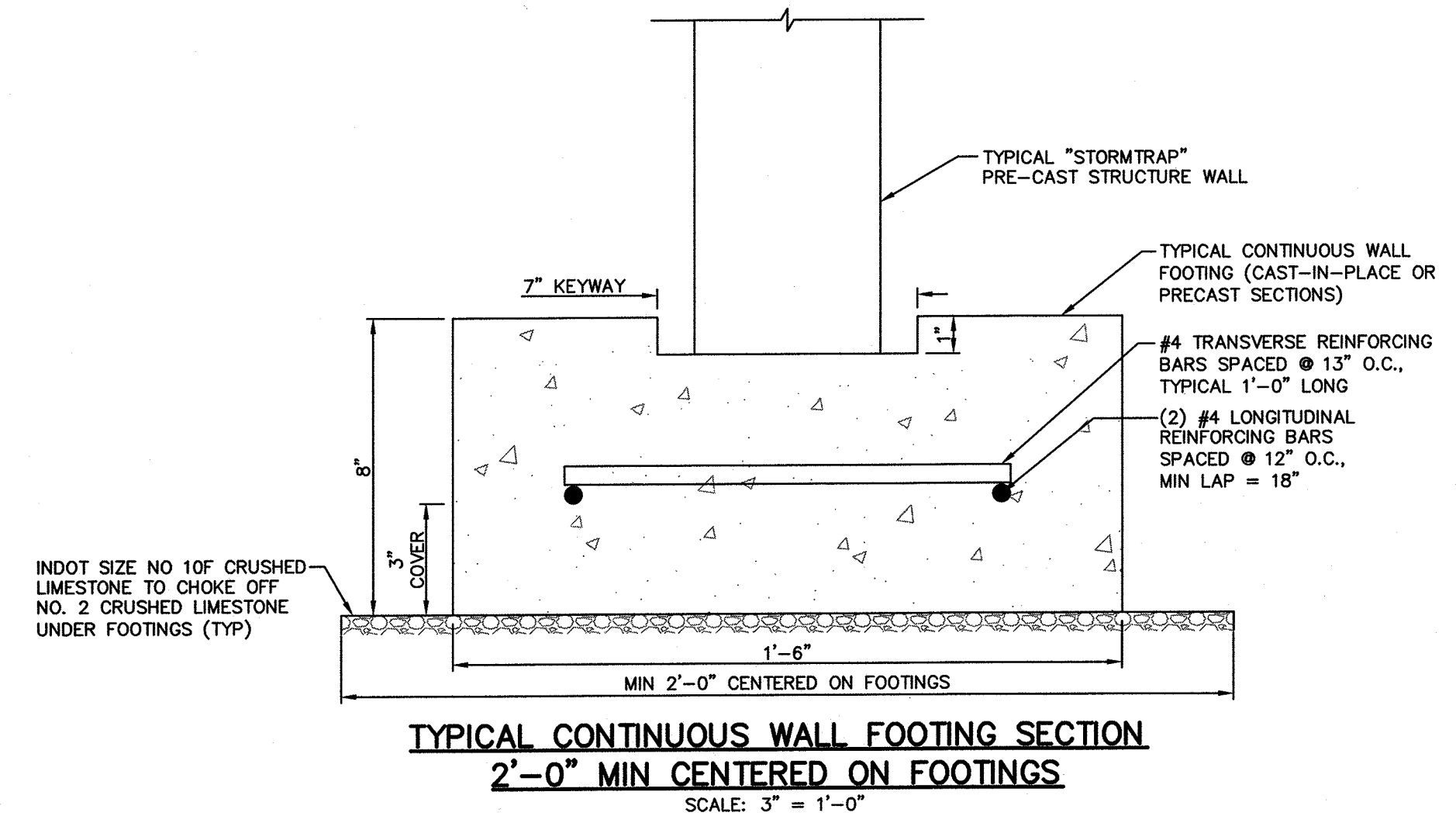
**"STORMTRAP" RE-DESIGN OF STRUCTURE FOOTING & SUBGRADE TREATMENT**  
**LENGTH PROFILE VIEW**  
 SCALE: 1" = 6'



**"STORMTRAP" RE-DESIGN OF STRUCTURE FOOTING & SUBGRADE TREATMENT**  
**WIDTH PROFILE VIEW**  
 SCALE: 1" = 6'

**NOTES:**

1. DETAILS OF THE RE-DESIGN OF "STORMTRAP" SUBGRADE TREATMENT ARE SCHEMATIC.
2. TOP OF "STORMTRAP" SLAB ELEVATION OF 594.16 IS BASED ON "ELSTON'S LEGACY APARTMENTS REVISED SITE DEVELOPMENT PLANS" BY "JOHN A DOYLE & ASSOCIATES INCORPORATED", DATED AUGUST 16, 2017, PLAN DETAILS, SHEET 11 OF 14.
3. "STORMTRAP" STRUCTURE DIMENSIONS ARE BASED ON "ELSTON'S LEGACY APTS - NORTH, MICHIGAN CITY, IN" SHOP DRAWINGS BY "STORMTRAP", ISSUE DATE 1/18/2018.
4. CONTINUOUS WALL FOOTING CONCRETE SHALL BE INDOT CLASS A CONCRETE, CONSTRUCTED IN ACCORDANCE WITH INDOT STANDARD SPECIFICATIONS SECTION 702 AND SHALL ACHIEVE A MINIMUM 3,500 PSI COMPRESSIVE STRENGTH IN 28 DAYS. REINFORCING STEEL SHALL BE DEFORMED GRADE 60 UNCOATED, CONSTRUCTED IN ACCORDANCE WITH INDOT STANDARD SPECIFICATION SECTION 703.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUFFICIENT EFFECTIVE DE-WATERING OF THE "STORMTRAP" CONSTRUCTION AREA OF THE SITE PRIOR TO THE SUBGRADE TREATMENT CONSTRUCTION, AND SHALL CONTINUE DE-WATERING THROUGH THE COMPLETE INSTALLATION OF THE "STORMTRAP" STRUCTURE AND SURROUNDING CONSTRUCTION FEATURES AS NECESSARY PRIOR TO DISCONTINUING AS ALLOWABLE FOR CONSTRUCTION OPERATIONS.
6. NOT SHOWN ARE THE BACKFILL CONTINGENCIES FOR THE "STORMTRAP" STRUCTURE AS DETAILED IN THE "STORMTRAP" MANUFACTURER'S SHOP DRAWINGS DATED 1/18/2018 ("SHOP DRAWINGS"). THE CONTRACTOR SHALL MERGE THE CONSTRUCTION OF THE RE-DESIGN OF "STORMTRAP" SUBGRADE TREATMENT WITH THE BACKFILL CONTINGENCY DETAILS OF THE "STORMTRAP" SHOP DRAWINGS, INCLUDING BUT NOT LIMITED TO SHEET 4.0 OF THE SHOP DRAWINGS; AND THE CONSTRUCTION DETAILS OF THE "REVISED SITE DEVELOPMENT PLANS, ELSTON'S LEGACY APARTMENTS" BY "JOHN A DOYLE & ASSOCIATES INCORPORATED", DATED AUGUST 16, 2017, ("PLAN DRAWINGS") BACKFILL CONTINGENCY DETAILS OF THE "SHOP DRAWINGS" SHALL GOVERN OVER BACKFILL CONTINGENCIES OF THE "PLAN DRAWINGS" IN ANY DISCREPANCY.
7. THE CONTRACTOR SHALL HAVE THE OPTION OF CONSTRUCTING THE CONTINUOUS WALL FOOTING BY CAST-IN-PLACE CONSTRUCTION OR ALTERNATE PRE-CAST FOOTING CONSTRUCTION. THE CONTRACTOR SHALL SUBMIT DETAILS OF PROPOSED ALTERNATE PRE-CAST FOOTING CONSTRUCTION TO THE OWNER FOR REVIEW IN ADVANCE OF THE WORK. ALTERNATE PRE-CAST CONSTRUCTION SUBMITTAL SHALL INCLUDE REINFORCEMENT DETAILS, AND STRENGTH CAPACITY OF THE PROPOSED PRE-CAST FOOTING. PRECAST FOOTING JOINTS SHALL BE STAGGERED WITH PRECAST CULVERT WALL JOINTS WHEN CONSTRUCTING.
8. LONG AXIS OF GEOGRID APERTURES SHALL BE PLACED PARALLEL TO LONG AXIS OF "STORMTRAP" STRUCTURE.
9. OVERLAPS OF GEOFABRIC SEPARATION LAYER AND GEOGRID SHALL BE PER MANUFACTURER'S RECOMMENDATIONS.



Jordan L. Maxson  
 4/24/18  
 STRUCTURAL ENGINEER  
 REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA



Mark E. Wilson  
 4/24/18  
 GEOTECHNICAL ENGINEER  
 REGISTERED PROFESSIONAL ENGINEER STATE OF INDIANA

| REV. | DESCRIPTION | BY | DATE |
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**JONES PETRIE RAFINSKI**  
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**ELSTON'S LEGACY APARTMENTS "STORMTRAP"**  
**RE-DESIGN OF STRUCTURE SUBGRADE TREATMENT**  
 CITY OF MICHIGAN CITY  
 100 E MICHIGAN BLVD  
 MICHIGAN CITY, IN 46360  
**SUBGRADE CONSTRUCTION DETAILS**

DESIGNED BY: M WILSON  
 DRAWN BY: DK  
 DATE: APRIL 2018  
 JOB NUMBER: 2018-0055  
 SCALE: AS NOTED  
**C101**