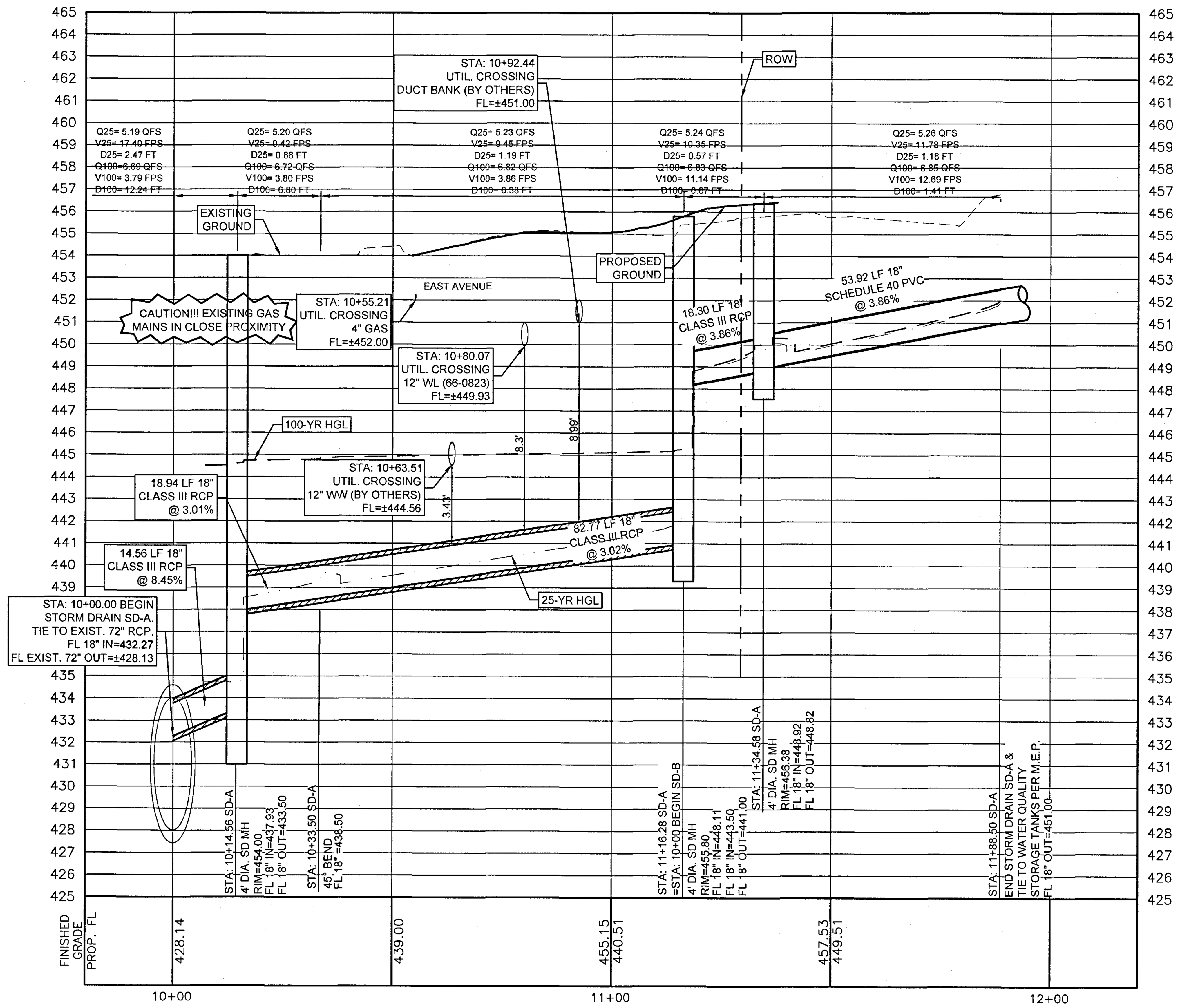
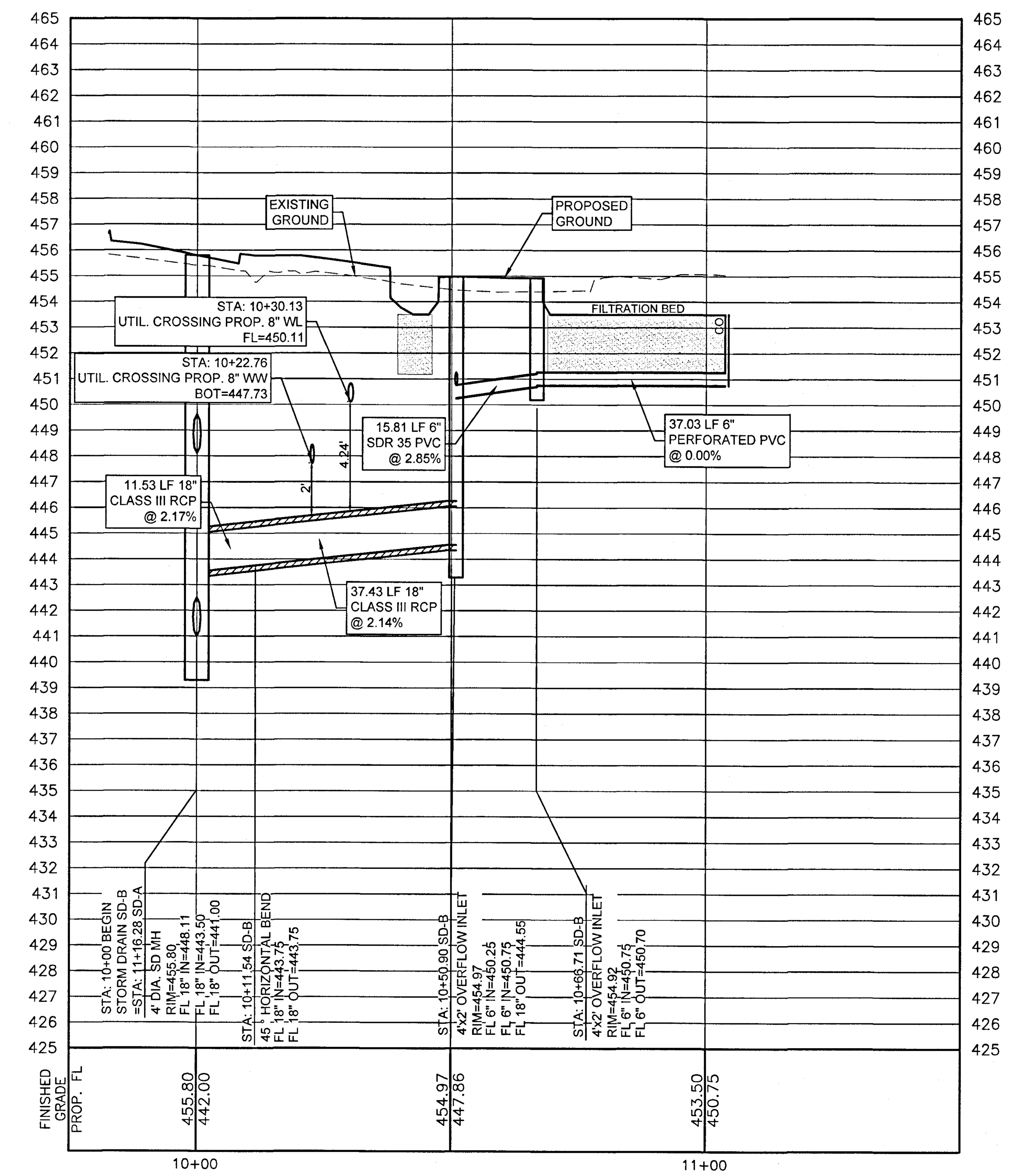


STORM DRAIN SD-A PROFILE



STORM DRAIN SD-B PROFILE

VERT. SCALE

HORIZ. SCALE

CONSTRUCITON REQUIREMENTS FOR PERMEABLE PAVERS PER ECM 1.6.7.5(E):

5. CONSTRUCTION. PROPER CONSTRUCTION OF PERMEABLE PAVEMENT SYSTEMS REQUIRES MEASURES TO PRESERVE NATURAL INFILTRATION RATES PRIOR TO PLACEMENT OF THE PAVEMENT, AS WELL AS MEASURES TO PROTECT THE SYSTEM FROM THE TIME THAT PAVEMENT CONSTRUCTION IS COMPLETE TO THE END OF SITE CONSTRUCTION. THE FOLLOWING RECOMMENDATIONS APPLY TO ALL PERMEABLE PAVEMENT SYSTEMS: A. GENERAL. 1. KEEP MUD AND SEDIMENT-LADEN RUNOFF AWAY FROM THE PAVEMENT AREA. 2. TEMPORARILY DIVERT RUNOFF OR INSTALL SEDIMENT CONTROL MEASURES AS NECESSARY TO REDUCE THE AMOUNT OF SEDIMENT RUN-ON TO THE PAVEMENT. 3. COVER SURFACES WITH A HEAVY IMPERMEABLE MEMBRANE WHEN CONSTRUCTION ACTIVITIES THREATEN TO DEPOSIT SEDIMENT ONTO THE PAVEMENT AREA. 4. LOW GROUND PRESSURE (LGP) TRACK EQUIPMENT SHOULD BE USED WITHIN THE PAVEMENT AREA TO LIMIT OVER-COMPACTING THE SUBGRADE. WHEEL LOADS SUCH AS, PASSENGER CARS AND PICK-UP TRUCKS SHOULD NOT BE ALLOWED ON THE PAVEMENT AREA DURING CONSTRUCTION. B. SUBGRADE PREPARATION. SINCE POROUS PAVEMENT IS AN INFILTRATION PRACTICE IT IS IMPERATIVE THAT THE PERMEABILITY OF THE UNDERLYING NATIVE SOILS BE PRESERVED. THE FOLLOWING RECOMMENDATIONS APPLY TO ALL PERMEABLE PAVEMENT SYSTEMS: 1. IT IS IMPORTANT TO PROTECT THE SUBGRADE FROM OVER COMPACTION, ACCUMULATION OF FINES, EXCESSIVE CONSTRUCTION EQUIPMENT TRAFFIC, AND SURFACE PONDING. ANY ACCUMULATION OF DEBRIS, FINES, OR SEDIMENT THAT HAS OCCURRED DURING SUBGRADE PREPARATION SHOULD BE REMOVED PRIOR TO STARTING THE GRAVEL BED INSTALLATION. 2. GRADING SHALL NOT TAKE PLACE DURING WET SOIL CONDITIONS TO MINIMIZE SEALING OF THE SOIL SURFACE. 3. IN SITUATIONS WHERE THE SUBGRADE HAS BEEN OVER COMPACTED OR THE PERMEABILITY HAS BEEN DIMINISHED SCARIFICATION SHOULD TAKE PLACE TO A DEPTH SUFFICIENT TO MATCH THE NATURALLY OCCURRING IN-SITU STATE. TYPICALLY SCARIFICATION SHOULD BE A MINIMUM OF FOUR (4) TO SIX (6) INCHES IN DEPTH. C. GRAVEL BED PREPARATION. THE GRAVEL BED SHOULD CONSIST OF CLEAN, CRUSHED GRAVEL, FREE OF MUD, CLAY, VEGETATION OR OTHER DEBRIS, CONFORMING TO ASTM C 33 FOR STONE QUALITY. SIZE GRADATION SHALL CONFORM TO ASTM C-33 NO. 57 OR NO. 67 AS DESCRIBED IN CITY OF AUSTIN STANDARD SPECIFICATION 510.2.(A), PIPE BEDDING STONE.
PLACEMENT OF THE GRAVEL BED CAN OCCUR ONCE:

1. THE DESIGN SATURATED HYDRAULIC CONDUCTIVITY OF THE SUBGRADE HAS BEEN VERIFIED USING THE CRITERIA STATED IN SECTION 1.6.7.4. 2. THE CITY OF AUSTIN ENVIRONMENTAL INSPECTOR HAS APPROVED THE GRAVEL BED PREPARATION. 3. ANY ACCUMULATION OF DEBRIS, FINES, OR SEDIMENT THAT HAS OCCURRED DURING THE PLACEMENT OF THE GRAVEL BED INSTALLATION HAS BEEN REMOVED. D. POROUS PAVEMENT INSTALLATION. CONTRACTOR INSTALLATION QUALIFICATIONS REQUIRE THAT THE CONTRACTOR PROVIDE TO THE CITY OF AUSTIN ENVIRONMENTAL INSPECTOR, AT THE PRELIMINARY CONSTRUCTION MEETING, A STATEMENT ATTESTING TO QUALIFICATIONS AND DEMONSTRATING EXPERIENCE WITH THE FOLLOWING POROUS PAVEMENT PROCEDURES AND TESTS:
FOR ALL TYPES OF POROUS PAVEMENT SYSTEMS:

1. CONTRACTORS MUST PROVE SPECIALIZED COMPETENCE BY PRESENTING CURRENT CERTIFICATION FROM AN AUTHORITATIVE INDUSTRY ASSOCIATION. (SEE SECTION 1.6.7.E.4.A.1 FOR EXAMPLES OF ACCEPTABLE INDUSTRY ASSOCIATIONS.) 2. PROVIDE THE ADDRESSES FOR A MINIMUM OF THREE (3) COMPLETED PROJECTS WITH SIMILAR GEOLOGIC AND CLIMATE CONDITIONS AS THE PROPOSED SITE.
FOR POROUS CONCRETE AND POROUS ASPHALT SYSTEMS PROVIDE ADDITIONAL INFORMATION REGARDING THE PROCEDURES THAT WILL BE FOLLOWED TO MEET THE FOLLOWING:

- MEASURING UNIT WEIGHT ACCEPTANCE DATA.
- CONDUCTING IN-SITU PAVEMENT TESTS INCLUDING VOID CONTENT AND UNIT WEIGHT.
- PREPARING PRODUCT SAMPLES.

IF THE INSTALLING CONTRACTOR AND PAVEMENT PRODUCER DO NOT HAVE SUFFICIENT EXPERIENCE WITH POROUS PAVEMENT SYSTEMS, THE INSTALLING CONTRACTOR SHALL RETAIN AN EXPERIENCED CONSULTANT TO MONITOR PRODUCTION, HANDLING, AND PLACEMENT OPERATIONS AT THE CONTRACTOR'S EXPENSE.

6. POST CONSTRUCTION/INSPECTION. THE POROUS PAVEMENT SURFACE SATURATED HYDRAULIC CONDUCTIVITY MUST BE GREATER THAN OR EQUAL TO 20 IN/HR.
USE THE FOLLOWING TESTING METHODS TO VERIFY THE SURFACE SATURATED HYDRAULIC CONDUCTIVITY:

- FOR POROUS CONCRETE AND POROUS ASPHALT USE ASTM C1701.
- FOR OPEN-JOINTED BLOCK PAVEMENT, PICP, OR CGP USE ASTM C1781.

ALL INSPECTION, INFILTRATION TESTING, AND MAINTENANCE ACTIVITIES SHALL BE DOCUMENTED AND MADE AVAILABLE TO CITY OF AUSTIN INSPECTION STAFF UPON REQUEST.

PLOTTED BY: ALFONSO CASIO
PLOTTED ON: 8/30/2019 7:57:45 AM
PLOTTED WITH: NONE
PLOT STYLE: ---

NOTES:
1. REFERENCE DRAINAGE PLAN FOR ADDITIONAL INFORMATION.
2. ALL GRAVITY LINES ARE TO BE INSTALLED FROM DOWNSTREAM TO UPSTREAM.

SITE PLAN APPROVAL SHEET 21 OF 72
FILE NUMBER: **SP-2018-0472C** APPLICATION DATE: 10.5.18
APPROVED BY COMMISSION ON ________ UNDER SECTION **112** OF
CHAPTER **25-5** OF THE CITY OF AUSTIN CODE.
EXPIRATION DATE (25-5-81, LDC) 9/27/22 CASE MANAGER A. Johnson

DIRECTOR, DEVELOPMENT SERVICES DEPARTMENT
RELEASED FOR GENERAL COMPLIANCE: 9/27/19 ZONING CBD
REV. 1 ________ CORRECTION 1 ________
REV. 2 ________ CORRECTION 2 ________
REV. 3 ________ CORRECTION 3 ________
FINAL PLAT MUST BE RECORDED BY THE PROJECT EXPIRATION DATE, IF APPLICABLE. SUBSEQUENT SITE PLANS WHICH DO NOT COMPLY WITH THE CODE CURRENT AT THE TIME OF FILING, AND ALL REQUIRED BUILDING PERMITS AND/OR A NOTICE OF CONSTRUCTION (IF A BUILDING PERMIT IS NOT REQUIRED), MUST ALSO BE APPROVED PRIOR TO THE PROJECT EXPIRATION DATE.

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AUSTIN, TRAVIS COUNTY, TEXAS 78701

STORM DRAIN PROFILES

SHEET
CG202
21 OF 72
SP-2018-0472C