

1. DURING CONSTRUCTION OF THE ROADWAYS, THE DEVELOPER AND/OR CONTRACTOR SHALL TREAT ANY UNPAVED TRAVELWAY AREAS WITH CALCIUM CHLORIDE FOR DUST CONTROL, AT SUCH LOCATIONS AS MAY BE REQUIRED. THE CALCIUM CHLORIDE SHALL BE APPLIED ON A DAMPENED SURFACE AT THE RATE OF 0.5 POUNDS PER SQUARE YARD AT LEAST TWICE EACH YEAR WHILE CONSTRUCTION IS IN PROGRESS. CALCIUM CHLORIDE SHALL BE USED ONLY WHERE CONSISTENT TRAFFIC PREVENTS THE USE OF OTHER DUST CONTROL TECHNIQUES.
2. DURING BUILDING CONSTRUCTION AND/OR THE INSTALLATION OF PIPELINES (WATER, SEWER, OR STORM), THE DEVELOPER AND/OR CONTRACTOR SHALL LIMIT THE AREAS TO BE DISTURBED TO A MINIMUM IN ORDER TO REDUCE THE AMOUNT OF WIND-BLOWN SOIL FROM THE DEVELOPMENT SITE. IMMEDIATELY FOLLOWING THE COMPLETION OF INDIVIDUAL BUILDING UNITS, THE INSTALLATION OF PIPELINES, AND WORK IN ANY OTHER AREAS THAT HAVE BEEN DISTURBED, THOSE DISTURBED AREAS SHALL BE TOPSOILED AND SEEDED.

DUST CONTROL

1. EROSION AND SEDIMENT CONTROL SHALL BE ACCOMPLISHED IN STRICT ACCORDANCE WITH THE STORM WATER POLLUTION PREVENTION PLAN AND THE CONTRACT DOCUMENTS.
2. ALL PERMANENTLY EXPOSED FACES OF EARTH CUTS AND FILLS SHALL BE VEGETATED OR OTHERWISE PROTECTED FROM EROSION IMMEDIATELY UPON COMPLETION OF EARTH PLACEMENT. PROVISION SHALL BE MADE FOR MINIMIZING THE SOIL AREA TO BE DISTURBED, SOULDED, SCALPED, OR GRADED AT ANY ONE TIME. WATER MANAGEMENT SYSTEMS SHALL BE PROVIDED TO PREVENT WATER FROM CONCENTRATING AND ERODING THE FACE OF ANY SLOPE.
3. STRAW BALE SEDIMENT BARRIERS SHALL BE PLACED WHERE INDICATED ON THE PLANS AND AS SPECIFIED IN THE DETAILS. ALL BALES SHALL BE PLACED ON THE COUNTRY AND SHALL BE EITHER WIRE BOUND OR NYLON STRING TIED. LOOSELY TIED OR CUDLY SHAPED BALES MAY NOT BE USED. THE INSTALLATION SHALL BE INSPECTED AND REPAIRED AFTER EACH STORM EVENT. AT EACH END, TWO OR MORE BALES SHALL BE LAID UP THE SLOPE TO CONTAIN THE RUNOFF. STRAW BALE BARRIERS THAT ARE GREATER THAN 100 FEET IN LENGTH REQUIRE SUBDIVISION INTO A SERIES OF SHORTER IMPEDIMENTS. BALES SHALL BE PLACED IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES. THE BALES SHALL BE SECURELY ANCHORED IN PLACE OR REBARS DRIVEN THROUGH THE BALES. THE FIRST STAKE IN EACH BALE SHALL BE ANGED TOWARD THE PREVIOUSLY LAID BALE TO FORCE THE BALES TOGETHER. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF FOUR (4) INCHES. THE BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPEDE STORM FLOW OR DRAINAGE.
4. BECAUSE MANY PROJECT AREAS TO BE DISTURBED DRAIN DIRECTLY TO CATCH BASINS, THE USE OF ROCK BAGS THERE (AS TEMPORARY CATCH BASIN INLET PROTECTION) - TO SLOW STORM FLOWS AND FILTER OUT SEDIMENTS - SHALL BE SUFFICIENT. ROCK BAGS (COLLANKA COIR ROCK BAGS OR EQUAL) SHALL BE PLACED AROUND THE INLETS TO CATCH BASINS, AS THEY ENTER SERVICE, BEGINNING WITH EXISTING CB-4 BAGS MUST FORM A DAM AROUND THE INLET, WITH NO LARGE GAPS UNDERNEATH OR BETWEEN. PREFERABLY, THE BAGS SHOULD BE INTERCONNECTED TO AID IN THE PRESENTATION OF SUCH GEOMETRY. CONSTRUCTION TRAFFIC SHOULD BE ROUTED AROUND (NOT OVER) THE CATCH BASIN AREAS AS MUCH AS POSSIBLE. AFTER EACH 1/2-INCH OF RAINFALL, THE INSTALLATION SHALL BE INSPECTED AND REPAIRED. IF NECESSARY, ACCUMULATED SEDIMENT MUST BE REMOVED, AND THE DAM SHOULD BE RESTORED. THE BAGS SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS, SO AS NOT TO BLOCK OR IMPEDE TRAFFIC OR STORM FLOWS.
5. THE STRAW BALE SEDIMENT BARRIERS SHALL BE INSTALLED DURING THE CONSTRUCTION WHEN THE GRADING WORK IS TAKING PLACE AND UNTIL SUCH TIME AS THE LAND IS VEGETATED AND EROSION IS NO LONGER OCCURRING.
6. TEMPORARY SEEDING (ALL DISTURBED AREAS)
 - A. RYEGRASS (ANNUAL OR PERENNIAL) @ 30 lbs PER ACRE (0.7 lbs/1000 sq.ft.)
 - B. CERTIFIED "ARIDUSTOCK" WINTER RYE (CEREAL RYE) @ 100 lbs PER ACRE (2.5 lbs/1000 sq.ft.)
 - C. USE WINTER RYE IF SEEDING IN OCTOBER OR NOVEMBER.
7. PERMANENT SEEDING - TYPE A (DETENTION BASIN)

ESPIRE BIRDSFOOT	lbs/acre	lbs/1000 sq.ft.
TREFOIL *	0	0.20
TALL FESCUE	20	0.45
REDTOP	2	0.05

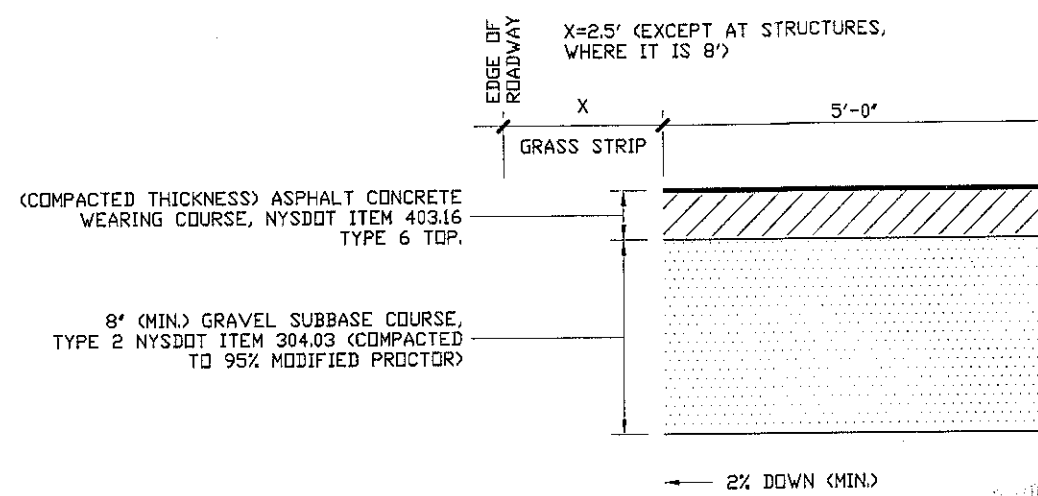
* ADD INOCULANT IMMEDIATELY PRIOR TO SEEDING.
8. PERMANENT SEEDING - TYPE B (LAWN & ROADWAY RIGHT-OF-WAY AREAS)

APPLY AT THE RATE OF 2000/1000 sq.ft., USING THE FOLLOWING:

 - 20% PENNLAN PERENNIAL RYEGRASS
 - 40% KENTUCKY 31 FESCUE
 - 10% PENNLAN CREEPING RED FESCUE
 - 10% KENTUCKY BLUEGRASS

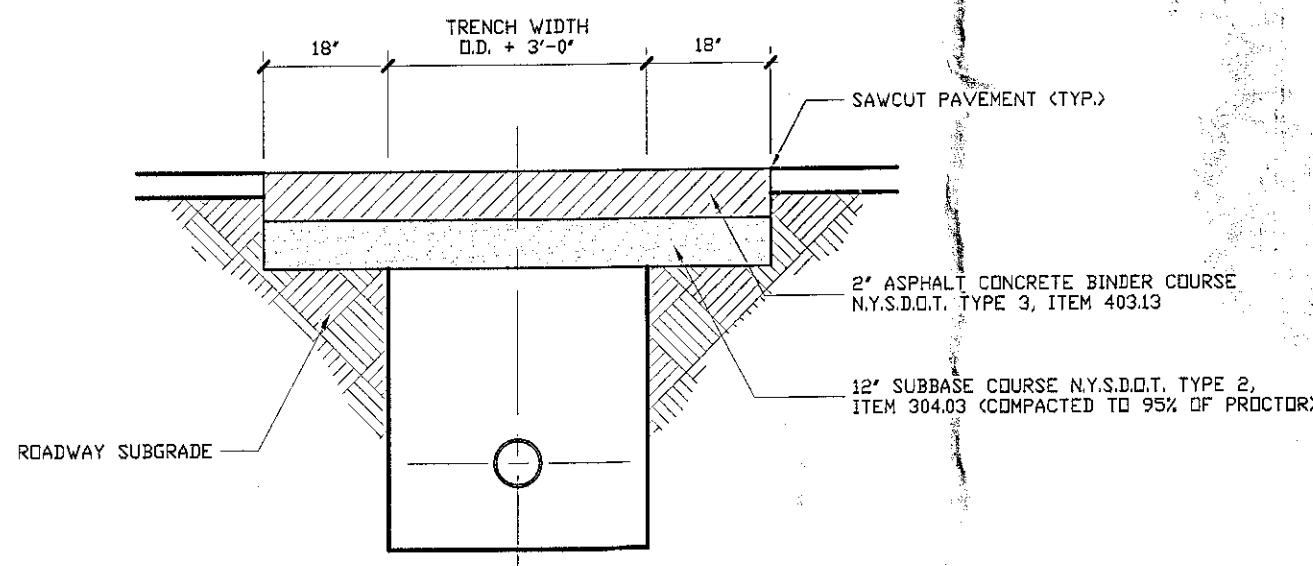
WATER AS NEEDED UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.
9. LAWN FERTILIZER TO BE APPLIED AT A RATE OF 35 lbs/1000 sq.ft.
10. INSTALL FIBER MULCH AT A RATE OF 75 lbs/1000 sq.ft. ON ALL SLOPES 4:1 OR FLATTER.
11. INSTALL FIBER MULCH AT A RATE OF 75 lbs/1000 sq.ft. ON ALL SLOPES 4:1 OR FLATTER.
12. INSTALL EROSION CONTROL BLANKETS, JUTE MESH OR CONTECH SF88 ON ALL SLOPES STEEPER THAN 4:1.
13. ALL AREAS TO BE SEEDED SHALL RECEIVE 4" OF TOPSOIL.

EROSION CONTROL



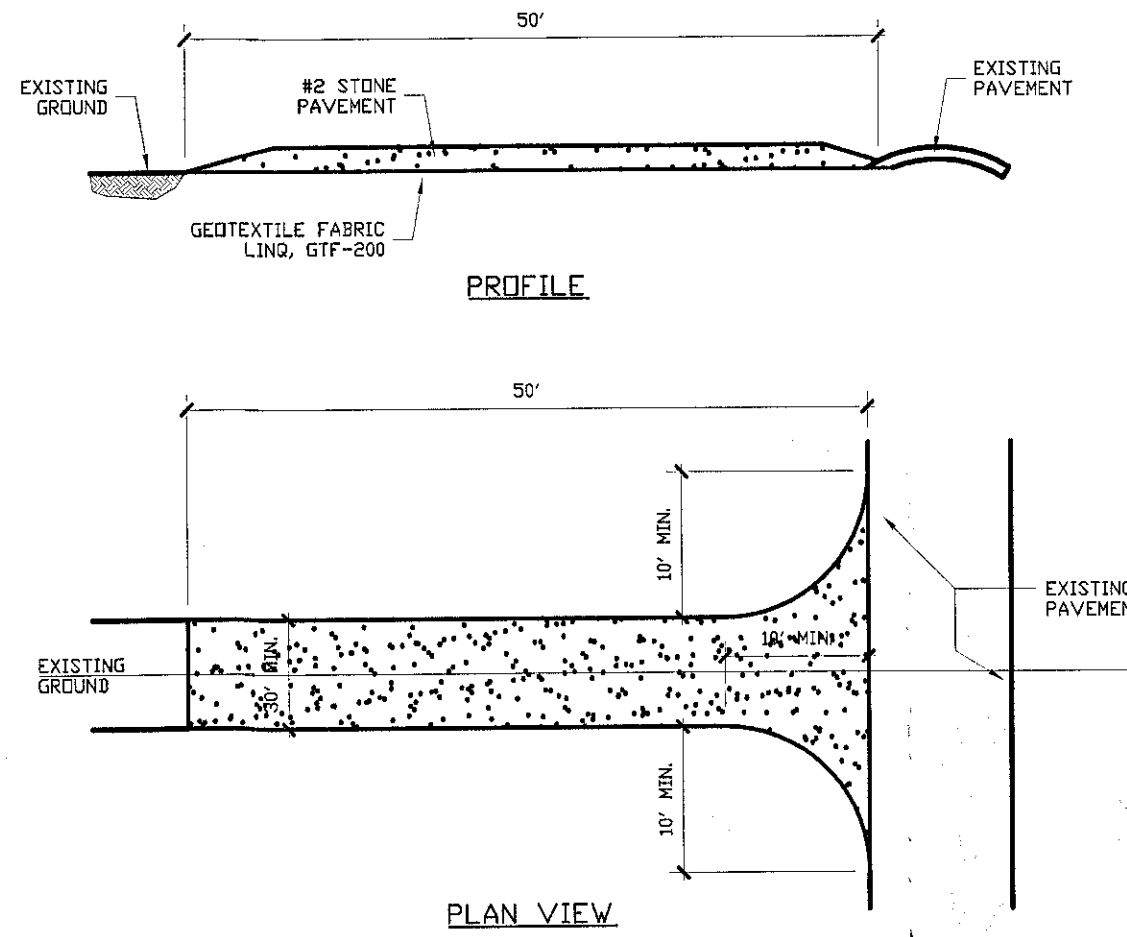
TYPICAL ASPHALT CONCRETE SIDEWALK

SCALE: NONE



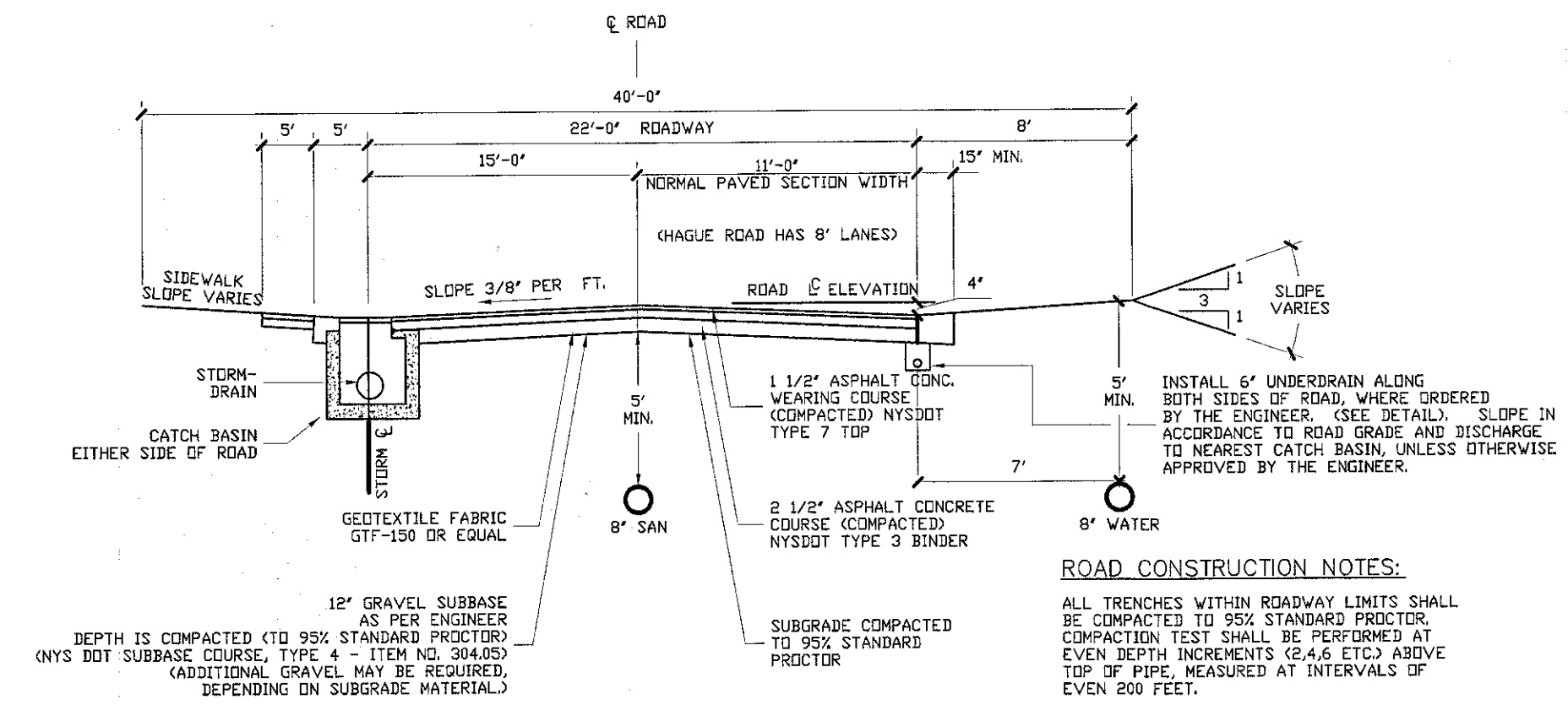
PAVEMENT REPLACEMENT DETAIL

SCALE: NONE



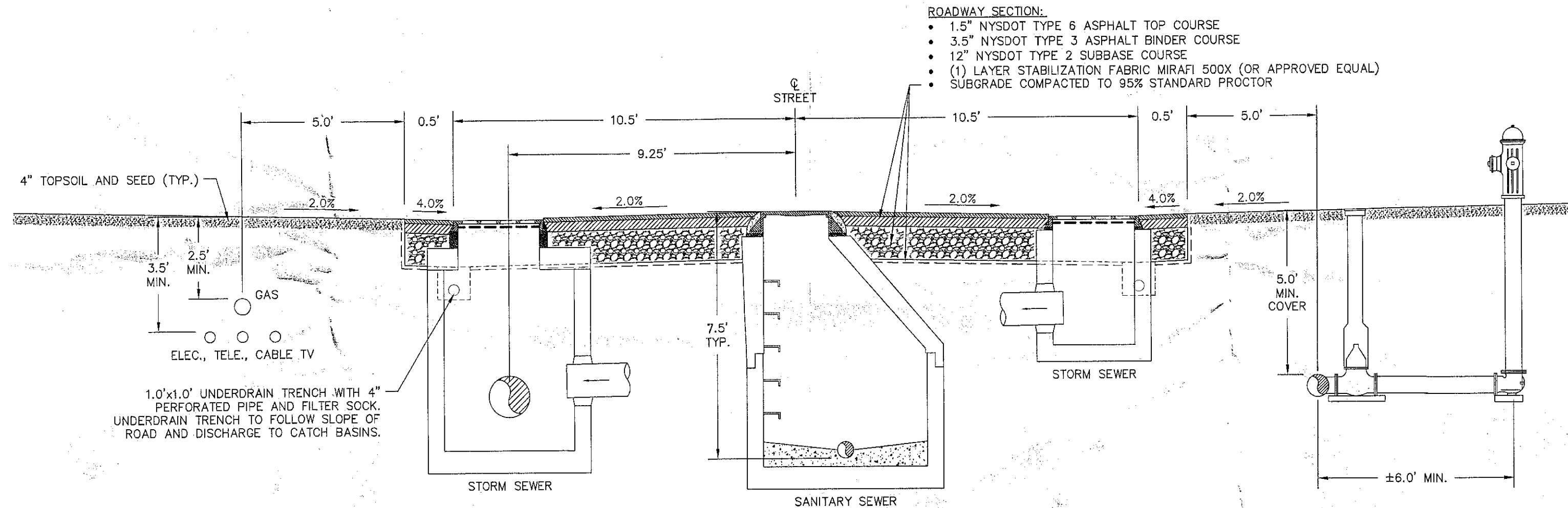
STABILIZED CONSTRUCTION ENTRANCE

SCALE: NONE



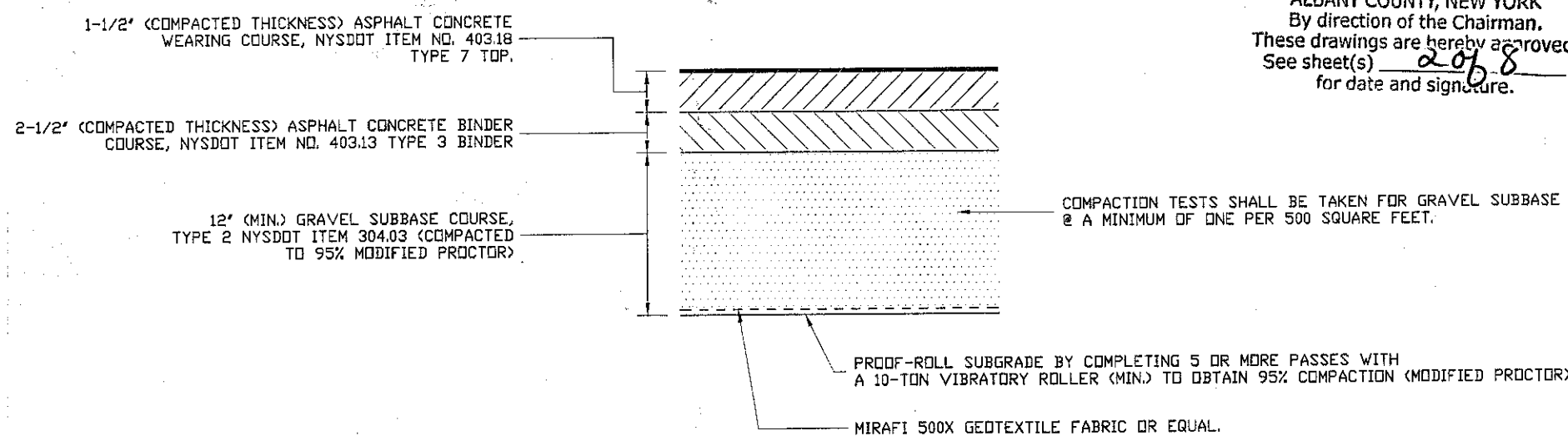
TYPICAL ROADWAY SECTION

SCALE: NONE



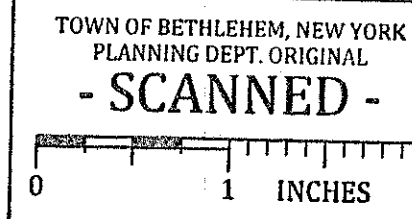
TYPICAL ROAD SECTION DETAIL

SCALE: NONE

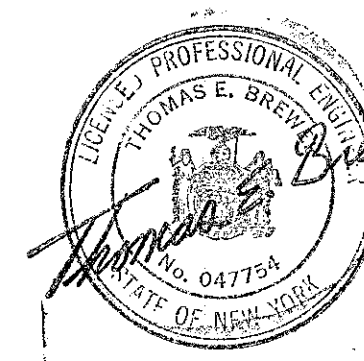


ROADWAY TYPICAL PAVEMENT SECTION

SCALE: NONE



PLANNING BOARD
TOWN OF BETHLEHEM
ALBANY COUNTY, NEW YORK
By direction of the Chairman.
These drawings are hereby approved.
See sheet(s) 2 of 8
for date and signature.



BREWER ENGINEERING ASSOCIATES, P.C.
CONSULTING ENGINEERS * PLANNERS
743 COLUMBIA TURNPIKE, EAST GREENBUSH, NEW YORK 12061
PHONE: 518-477-5225 FAX: 518-477-5233

THE VAN DYKE SPINNEY COMMUNITY CENTER
TOWN OF BETHLEHEM, COUNTY OF ALBANY
STATE OF NEW YORK

SITE DETAILS				
TITLE	DRAWN BY	DATE	CHECKED BY	SCALE
	JDF	04/01/2015		AS SHOWN
REVISION	DATE	BY	REASON	

DRAWING NUMBER:
6
8
APP: 14-23