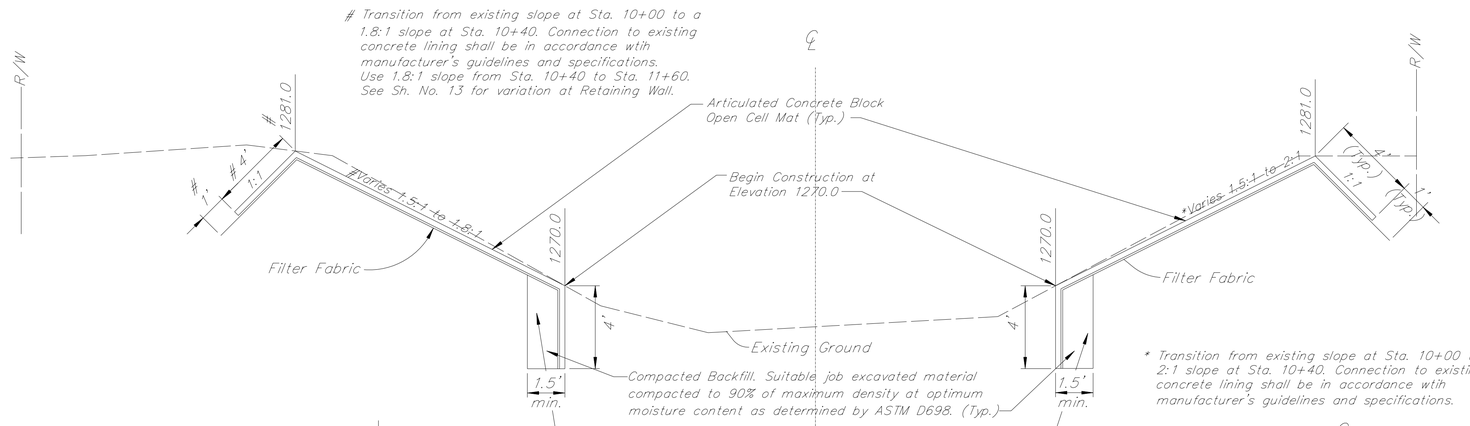
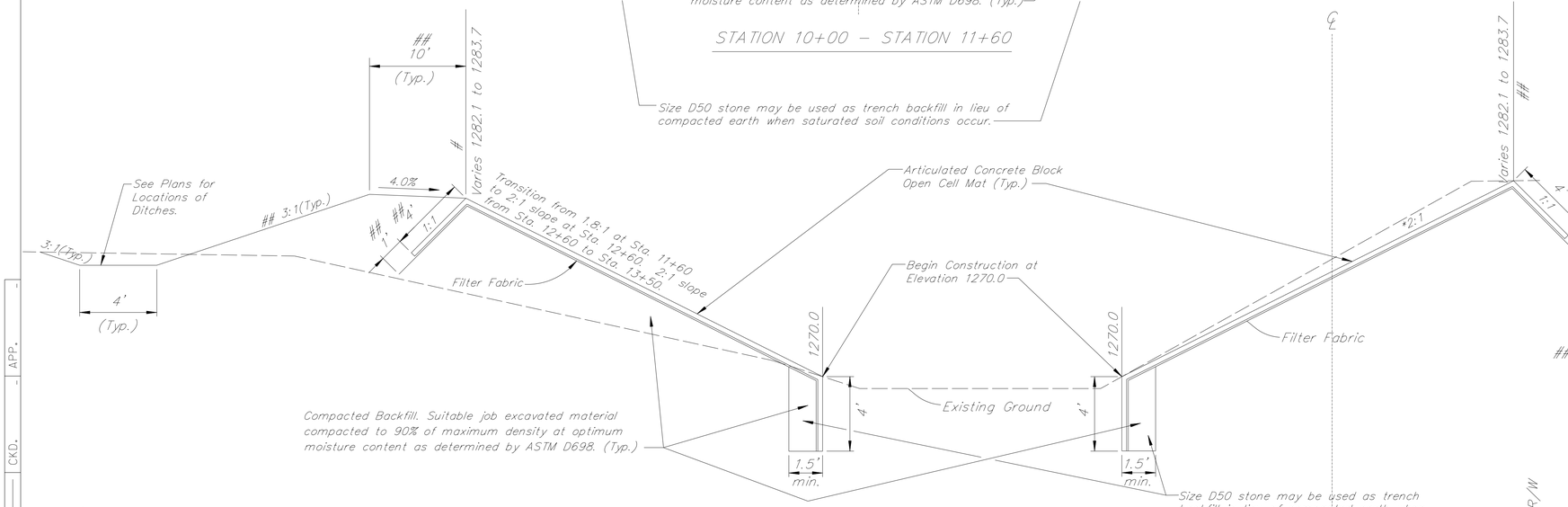
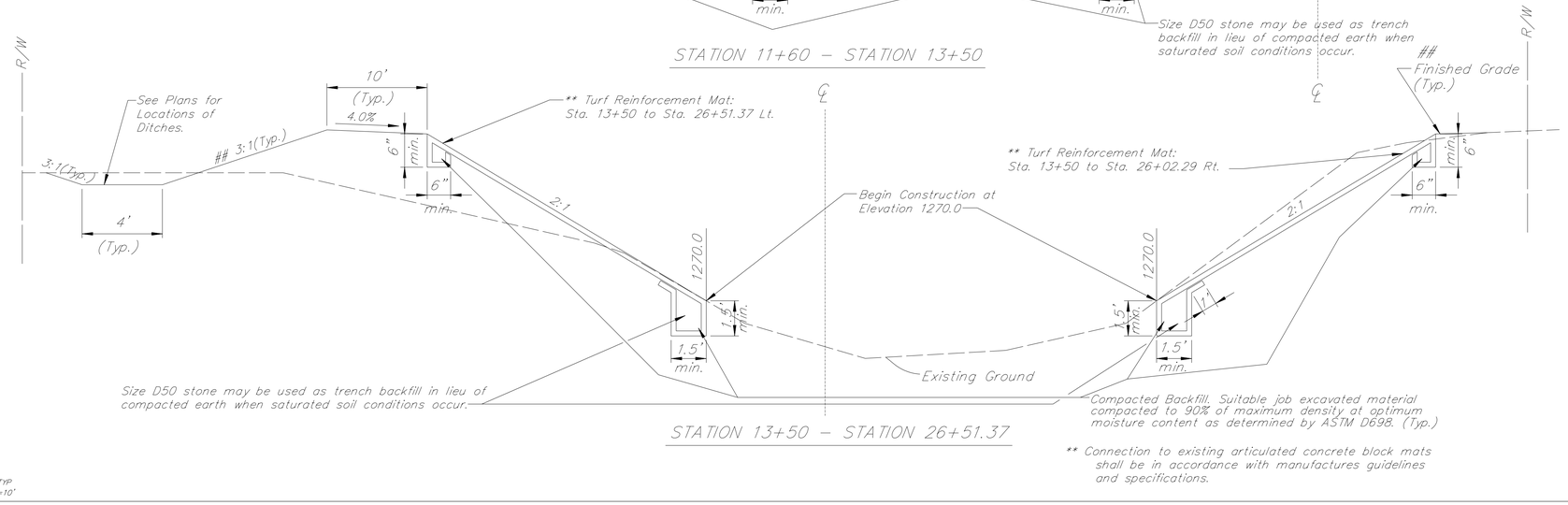



STATION 10+00 – STATION 11+60




STATION 11+60 – STATION 13+50




STATION 13+50 – STATION 26+51.37

** Connection to existing articulated concrete block mats shall be in accordance with manufactures guidelines and specifications.

## GENERAL NOTES

1. Articulated concrete blocks shall be assembled into prefabricated mats using polyester or galvanized cable. Blocks shall be interlocking by use of a staggered configuration when mats are assembled. Dead men, Helix or Duckbill anchors may be used to anchor mats at toe and top of slope.
2. Articulated Concrete Block Mats :
   a. Block Weight : 78–89 lbs 43–50 lbs/sq.ft. (Closed Cell)
   b. Block Weight : 62–71 lbs 35–40 lbs/sq.ft. (Open Cell)
   c. Open Area : 20% (Open Cell) 10% (Closed Cell)
   d. Specific Weight : 130–150 lbs/cu.ft.
   e. Compressive Strength : 4000 lbs/sq.in.
   f. Maximum Absorbtion : 12 lbs/cu.ft.
   g. Open Cell : Armorflex Class 40 by Armortec Concrete Erosion Control Systems, or approved equal.
   h. Backfilled with suitable top soil and hydoseeded.
3. Erosion Control/Turf Reinforcement Mat : Landlok 300 by SI Geosolutions, or approved equal See project special provisions for additional requirements.
4. Filter Fabric :
   a. Apparent Opening Size ASTM D4751 : U.S. Sieve 80.
   b. Permeability ASTM D4491 : 0.28 cm/sec.
   c. Flow Rate ASTM D4491 :95 gal/min/sq.ft.
   d. Grab Tensile Strength ASTM D4632 : 205 lbs.
   e. Grab Tensile Elongation ASTM 4632 : 50%.
   f. Trapezoid Tear Strength ASTM 4533 : 80 lbs.
   g. Mullen Burst Strength ASTM D3786 : 400 psi.
   h. Puncture ASTM D4833 : 130 lbs.
   i. Meets AASHTD M288, Class A.
   j. Mirafi 180N by TC Mirafi, or approved equal.
5. Cross–sections on Sheets 35 thru 43 are perpendicular to the baseline.
6. See Cross–sections sheets for top of slope elevations and flowline of ditches.
7. Installations of open and closed cell articulated concrete block mats, turf reinforcement mats and filter fabric shall be in accordance with the manufacturers guidelines and specifications.
8. The filter fabric shall be subsidiary to the Articulated Concrete Block Mats, and not paid for seperately.

## 9. See Plans, Cross–sections, and Retaining Wall details for variations.

CITY OF WICHITA
JAMES ARMOUR, P.E., CITY ENGINEER

GYPSUM CREEK

# TYPICAL SECTIONS

CITY OF WICHITA PROJECT NO. 468-82473

PB PARSONS BRINCKERHOFF
Wichita, Kansas

| SCALE | DATE | DWG. NO. |
|---|---|---|
| N.T.S. | 10/31/2007 | 32158A |

K:\32158A\Cadd\Sheets\Drainage\02 Typ.dgn
SURV. -46.GP- PLOT CADD DES. - DR. - TR. - CKD. - APP. -
\32158K\TYP
SCALE 1"=10'