



BLOCK RETAINING WALL DETAIL

PIPE UNDERDRAIN CLEANOUT, COMPLETE

BLOCK RETAINING WALL NOTES

- 1.) Contractor to field verify existing elevations and dimensions before starting construction. Notify owner's representative of any discrepancies.
- 2.) Contractor to field locate all utilities before starting construction.
- 3.) After excavation is complete to bottom of gravel base and before installing the gravel base, the contractor shall contact the owner's representative to check the strength of the soil. The minimum unconfined compressive strength required is 1500 psi.
- 4.) The retaining wall system to be used is the Allan Block Wall System, Earthworks Retaining Wall System, Keystone Wall System, Versa-lok Wall System, Rockwell or approved equal. The wall shall be installed in accordance with the manufacturer's recommendations and instructions and as shown on the plans.
- 5.) Backfill material shall be as recommended by the manufacturer and placement of fill shall also be recommended by the manufacturer.
- 6.) The Filter Fabric required around the 4 inch perforated drain tile shall meet the requirements of section 1080.05 of the Standard Specifications for Road and Bridge Construction in Illinois Adopted January 1, 2007.
- 7.) All work shall be performed in accordance with the Standard Specifications for Road and Bridge Construction in Illinois adopted January 1, 2007.
- 8.) The contractor shall take all precautions necessary to protect the structures from any damage due to the construction operation. Any items damaged by the contractor shall be repaired by the contractor at the contractor's expense to the satisfaction of the owner.
- 9.) The contractor shall install a gravel base under the retaining wall as shown in the plans and in accordance with the manufacturer's instructions.
- 10.) The fence installation system to be used is Sleeve-It or approved equal. The fence shall be installed in accordance with the manufacturer's recommendations and instructions and as shown on the plans.
- 11.) Backfill aggregate shall meet the requirements of Article 1004.04(d) of the Standard Specifications for Road and Bridge Construction in Illinois adopted January 1, 2007.
- 12.) See Standard 66-4001 for other chain link fence details.
- 13.) Entire Block Retaining Wall to have Clear Protective Coating for Concrete applied.

*Place fence post in a way that does not interfere with Geogrid Reinforcement.
 **Included in cost of Segmental Concrete Block Wall.
 ***Fence installation system (inc. concrete) shall be included in the cost for Chain Link Fence, (Special)

BLOCK RETAINING WALL BILL OF MATERIAL

| ITEMS | UNITS | TOTAL |
|---------------------------------------|---------|-------|
| Porous Granular Embankment, Special | Cu. Yd. | 5 |
| Pipe Underdrains For Structures 4" | Foot | 315 |
| Chain Link Fence, 5' (Special) | Foot | 290 |
| Segmental Concrete Block Wall | Sq. Ft. | 1715 |
| Clear Protective Coating For Concrete | Sq. Ft. | 1715 |
| Pipe Underdrain Cleanout, Complete | Each | 2 |
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CITY OF BLOOMINGTON, ILLINOIS
 SECTION 05-00333-00-BT

NORTH RETAINING WALLS
 PHASE II
 DETAILS AND GENERAL NOTES

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|---------------------|---|-----------------------|
| DRAWN BY DJM/JTC | 2708 McGraw Drive Bloomington, Illinois 61704 309/836-8636 309/836-9771 fax | FILE NO. 24-8173 |
| DATE 01/30/09 | | BOOK NO. 2752 |
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