

TYPICAL SECTION THRU WALL
(Showing Backfill)

GENERAL NOTES

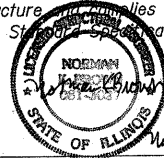
1. Concrete shall conform to the specification for Concrete Class SI as described in the Standard Specifications. Minimum 28 day compressive strength shall be 3500 p.s.i.
2. Reinforcement bars shall conform to the requirements of ASTM A706 Grade 60.
3. Reinforcement bars shall be clean and free of grease and scaling rust.
4. Reinforcement bar bending dimensions are out to out.
5. Porous Granular Backfill shall be placed behind all retaining walls. Material shall conform to Section 209 of the Standard Specifications except the coarse Aggregate Backfill shall be CA6 (Article 1004.05 c(4)). No backfill shall be placed until the concrete has attained its specified strength.
6. Porous Granular Backfill shall not be dumped into place. Backfill shall be placed by mechanical means.
7. It will be the Contractors responsibility to provide excavation protection to maintain limits of Structure Excavation as specified. If slopes are to be laid back, adequate benching detail shall be approved by the engineer. Earth backfill shall be brought up simultaneously with the Porous Granular Backfill. This work will be included in the contract unit price for Structure Excavation and no additional compensation will be allowed.

TOTAL BILL OF MATERIAL

ITEM	UNIT	WEST WALL	EAST WALL	TOTAL
Porous Granular Backfill	Cu. Yd.	192.8	210	402.8
Structure Excavation	Cu. Yd.	629	555	1,184
Concrete Structures	Cu. Yd.	64.1	57.5	121.6
Reinforcement Bars	Lbs.	7,660	6,860	14,520
* Chain Link Fence 4'	Foot	146	126	272
* Pipe Underdrains 6"	Foot	146	140	286
Geocomposite Wall Drain	Sq. Yd.	87.73	85.23	172.96

* See Special Provision

I certify that to the best of knowledge, information and belief, this retaining wall design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current AASHTO Standard Specifications for Highway Bridges.



Norman K. Brown
Illinois Structural No. 081003027
(Expires 11/30/2012)

4/9/12
(Date)

RETAINING WALL
GENERAL NOTES AND DETAILS
SECTION 10-00030-00-BT
SANGAMON COUNTY

GREENE & BRADFORD, INC.
CONSULTING ENGINEERS
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FILE NAME = J:\10001.22\CADD\CADD Sheets\Retaining	USER NAME = amandah	DESIGNED - NB	REVISED -	PLUMMER BLVD MULTI-USE TRAIL VILLAGE OF CHATHAM	RETAINING WALLS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	11\plan.dgn	DRAWN - AJH	REVISED -			*	10-00030-00-BT	SANGAMON	29	14	
	PLOT SCALE = 10.0000' / 1"	CHECKED - WCB	REVISED -			* PLUMMER BLVD MULTI-USE TRAIL		CONTRACT NO. 93579		ILLINOIS FED. AID PROJECT TE-0006 (109)	
	PLOT DATE = 4/9/2012	DATE - 4/9/12	REVISED -			SCALE: NTS	SHEET NO. 1 OF 8 SHEETS				