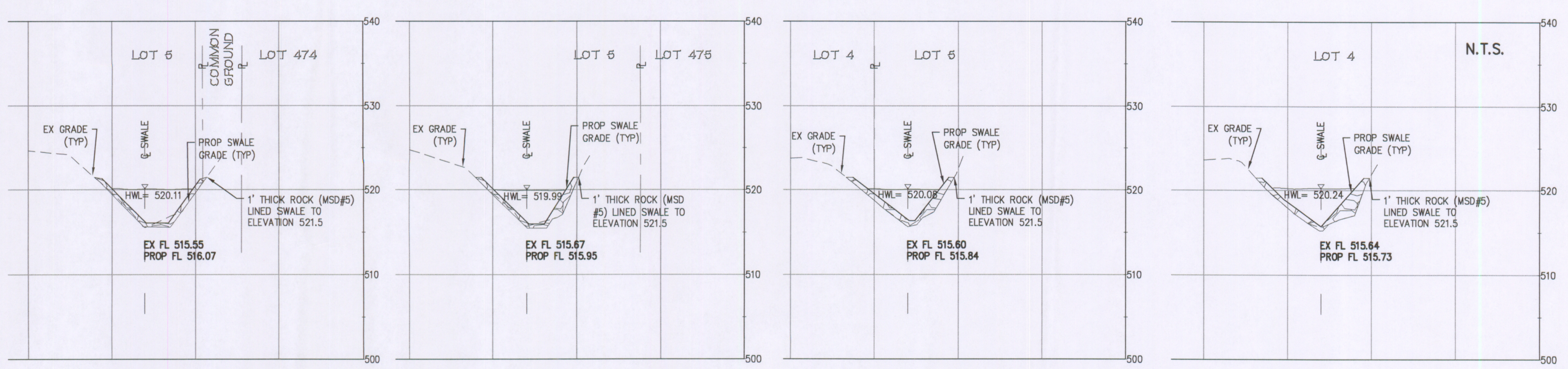
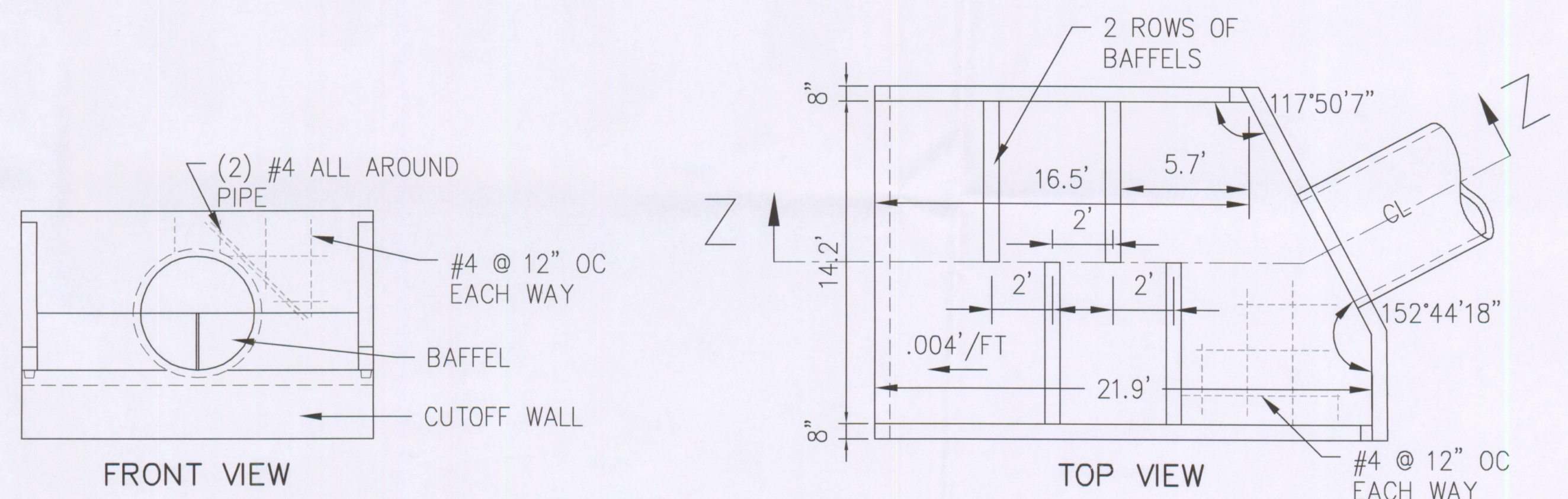
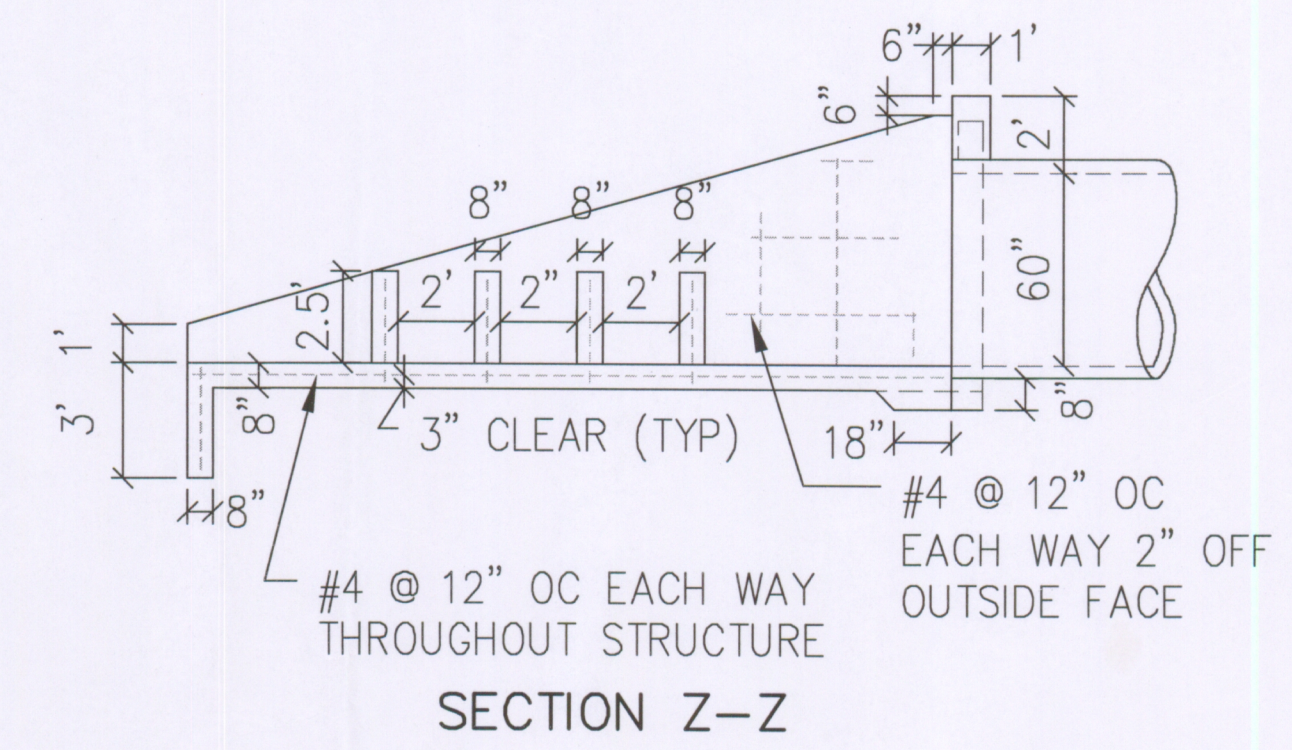
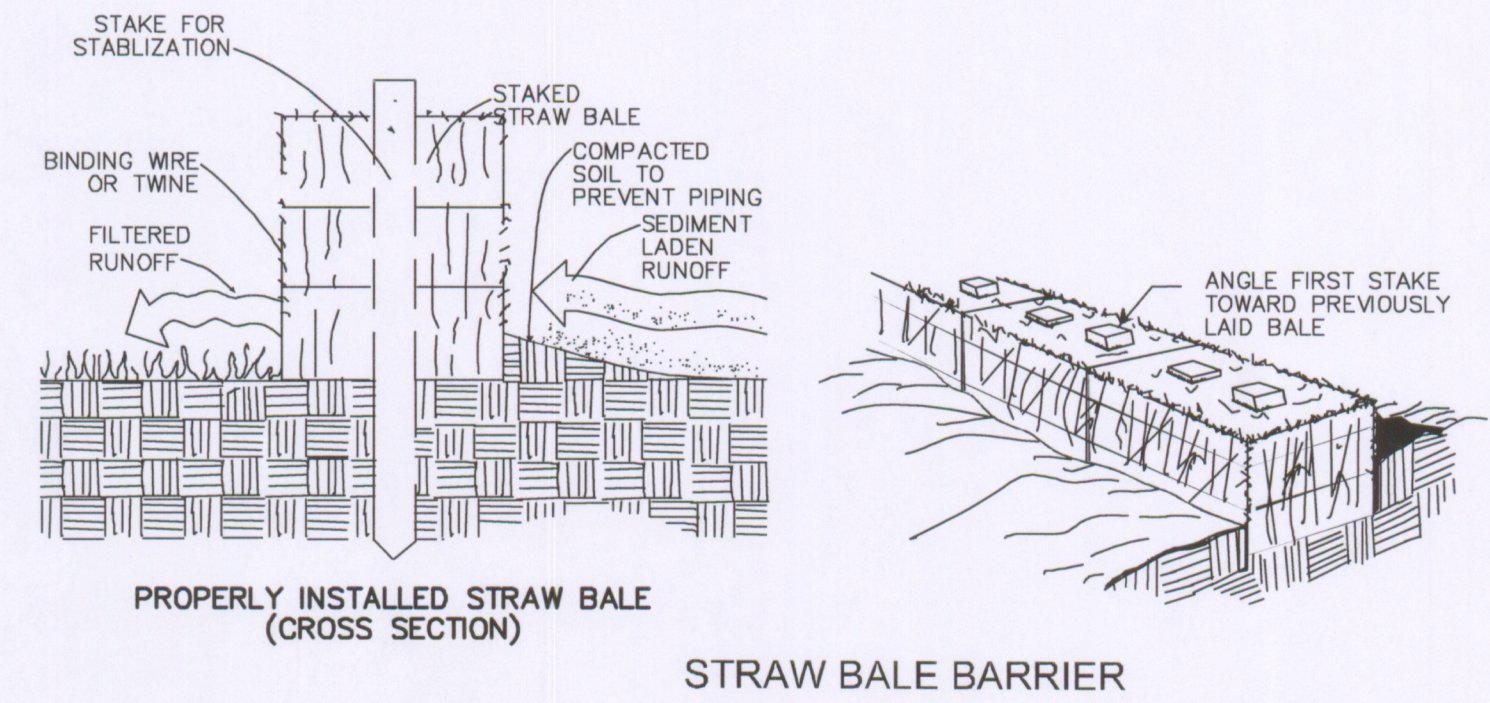


**SILTATION CONTROL NOTES**

- SILTATION CONTROL GENERAL NOTES**
- INSTALLATION OF ALL SEDIMENT CONTROL SHALL BE IMPLEMENTED AS THE FIRST STEP OF THE PROJECT PRIOR TO ANY GRADING OR DEMOLITION ON THE SITE.
  - INSPECTION OF SILTATION CONTROL DEVICES SHALL TAKE PLACE ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF ANY 0.25"/24 HOUR RAIN EVENT. ANY SILTATION CONTROL IN NEED OF REPAIR SHALL OCCUR IMMEDIATELY.
  - ALL SILTATION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL UPSLOPE AREAS HAVE BEEN PERMANENTLY STABILIZED.
- MAINTENANCE:**
- SILT FENCE BARRIERS SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL.
  - CLOSE ATTENTION SHALL BE PAID TO THE REPAIR OF DAMAGED FENCE, END RUNS AND UNDERCUTTING BENEATH FENCE.
  - NECESSARY REPAIRS TO BARRIERS OR REPLACEMENT OF SILT FENCE SHALL BE ACCOMPLISHED PROMPTLY.
  - SEDIMENT DEPOSITS SHOULD BE REMOVED AFTER EACH RAINFALL AND STOCKPILED FOR TOP SOIL. THEY MUST BE REMOVED WHEN THE LEVEL OF DEPOSITION REACHES APPROXIMATELY ONE-HALF THE HEIGHT OF THE BARRIER OR 12", WHICHEVER IS LESS.
- STRAW BALE SPECIFICATIONS:**
- CONTRACTOR SHALL USE STAKED STRAW BALES SUPPORTED BY METAL TEE POST WITH SPADE BASE, 2 PER BALE.



SECTION B										SECTION C										SECTION D										SECTION E									
HYDRAULIC RESULTS										HYDRAULIC RESULTS										HYDRAULIC RESULTS										HYDRAULIC RESULTS									
Discharge (cfs)	Peak Flow (cfs)	Velocity (ft/s)	Area (sq ft)	Hydraulic Depth (ft)	Normal Depth (ft)	Rock Slope	Design Frequency	Peak Flow (cfs)	Velocity (ft/s)	Area (sq ft)	Hydraulic Depth (ft)	Normal Depth (ft)	Rock Slope	Design Frequency	Peak Flow (cfs)	Velocity (ft/s)	Area (sq ft)	Hydraulic Depth (ft)	Normal Depth (ft)	Rock Slope	Design Frequency	Peak Flow (cfs)	Velocity (ft/s)	Area (sq ft)	Hydraulic Depth (ft)	Normal Depth (ft)	Rock Slope	Design Frequency											
214.4	3.5	5.14	41.88	2.10	3.00	0.0048	0.01	214.4	3.5	5.21	41.74	2.10	4.36	0.0048	214.4	3.5	5.06	42.45	2.09	4.24	0.0048	214.4	3.5	5.03	42.86	2.09	4.24	0.0048											
LINER RESULTS										LINER RESULTS										LINER RESULTS										LINER RESULTS									
Reach	Channel Type	Phase	Velocity (ft/s)	Area (sq ft)	Hydraulic Depth (ft)	Normal Depth (ft)	Rock Slope	Design Frequency	Remarks	Reach	Channel Type	Phase	Velocity (ft/s)	Area (sq ft)	Hydraulic Depth (ft)	Normal Depth (ft)	Rock Slope	Design Frequency	Remarks	Reach	Channel Type	Phase	Velocity (ft/s)	Area (sq ft)	Hydraulic Depth (ft)	Normal Depth (ft)	Rock Slope	Design Frequency	Remarks										
Swage	Rock Riprap	1.5%	0.00	4.00	3.10	4.46	STABLE			Swage	Rock Riprap	1.5%	0.00	4.00	3.10	4.46	STABLE				Swage	Rock Riprap	1.5%	0.00	4.00	3.10	4.46	STABLE											

**REVISIONS**

DATE	DESC.

PREPARED FOR: **GLENNE BORGARD, P.E.**  
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JOB #0183

THE PROFESSIONAL ENGINEER'S SEAL AND SIGNATURE ARE NECESSARY FOR THIS DRAWING TO BE VALID. THE ENGINEER ASSUMES RESPONSIBILITY FOR THE DESIGN AND CONSTRUCTION OF THE PROJECT. THE ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR THE DESIGN OR CONSTRUCTION OF ANY OTHER PROJECTS OR FOR ANY OTHER PLANS OR SPECIFICATIONS. THE ENGINEER'S LIABILITY IS LIMITED TO THE DESIGN AND CONSTRUCTION OF THE PROJECT ONLY.

**AVONDALE HEIGHTS SWALE STABILIZATION**  
O'FALLON, MISSOURI

DESIGNED BY: JB  
DRAWN BY: JB  
CHECKED BY: MGB/GE  
DATE: 10/17/2007  
SCALE: Not to Scale

Job Number: 07-196  
Sheet Number: C2.0

LAYOUT: Layout1 (2)  
DATE: Oct 17, 2007 - 9:05am  
DRAWING: S:\ARSS\Users\2007\07-0196\07-0196.dwg