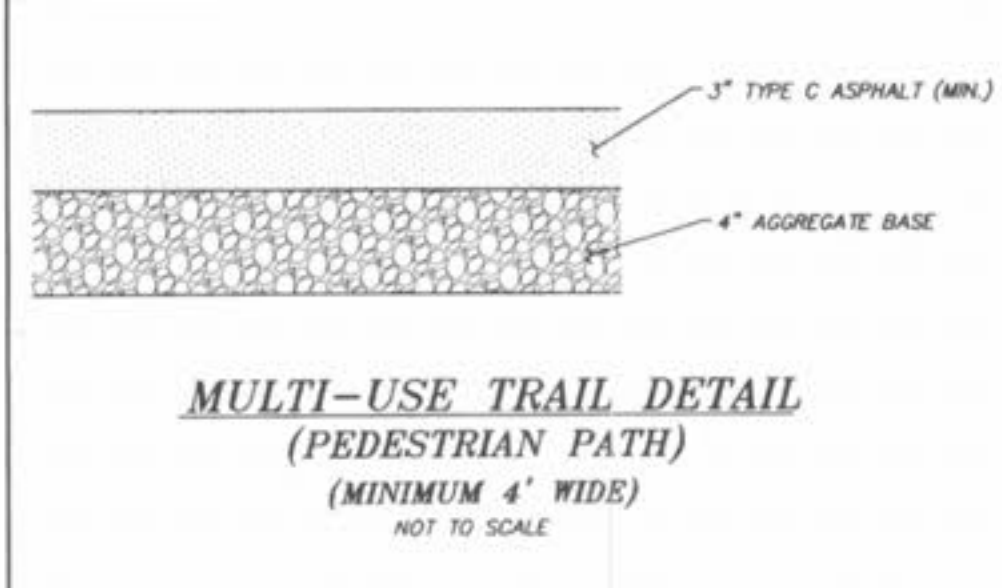


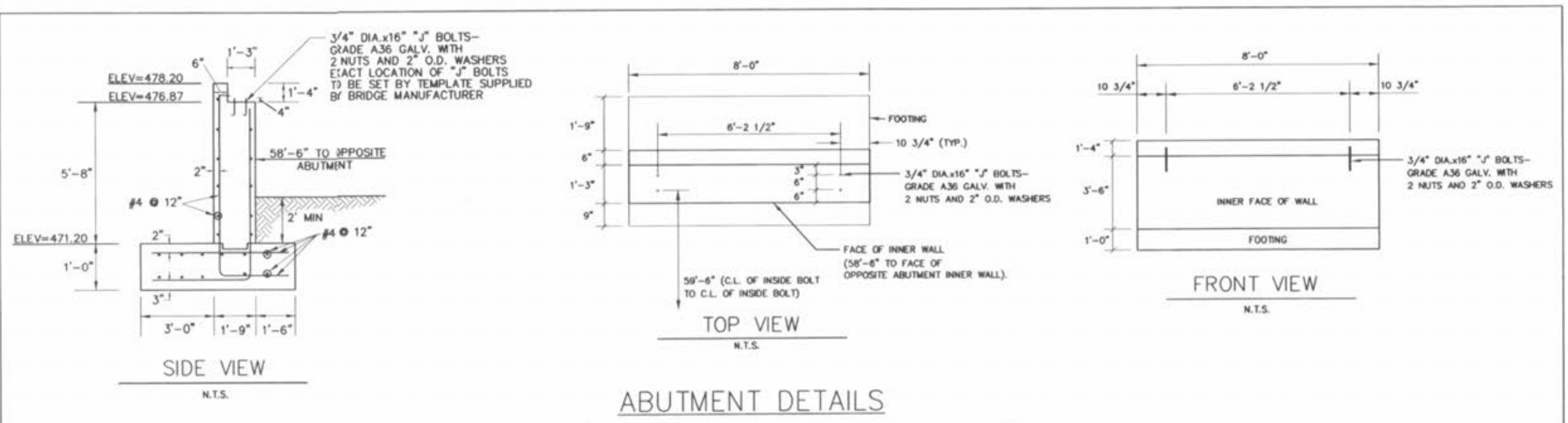
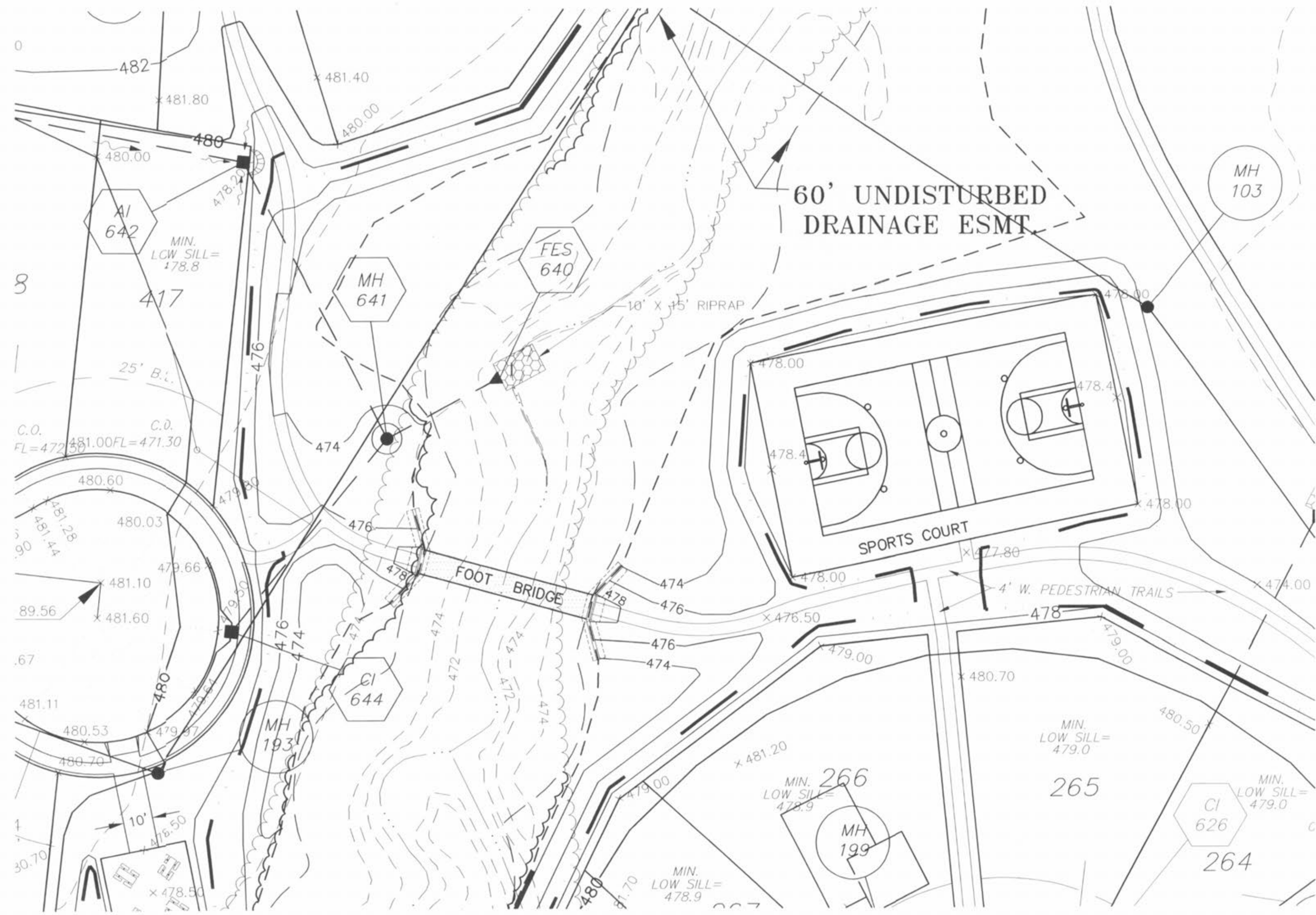
**WINGWALL DETAILS**

AIR ENTRAINED CONCRETE IS TO BE USED FOR WINGWALLS. REINFORCING STEEL IS TO BE GRADE 60 AND HAVE 2" MINIMUM COVER, 3" MINIMUM ON GROUND CONTACT SECTIONS.



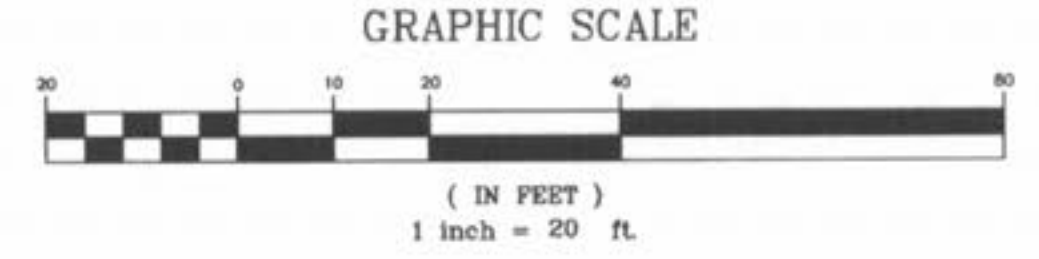
**LANDSCAPE NOTE:**  
ALL PROPOSED LANDSCAPING SHOWN IS TO CONFORM TO CITY OF FALLON ORDINANCES. SEE LANDSCAPING NOTES ON COVER SHEET.

**UTILITY NOTE:**  
UNDERGROUND FACILITY STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDED INFORMATION AND, THEREFORE, THEIR LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. VERIFICATION OF LOCATION OF ALL UNDERGROUND STRUCTURES AND FACILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS, SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



**ABUTMENT DETAILS**

USE AIR ENTRAINED CONCRETE FOR ABUTMENTS.



**FOOT BRIDGE NOTES:**

SEE FOOT BRIDGE PLANS BY OTHERS. SEE ABUTMENT STRUCTURAL CALCULATIONS (SUBMITTED SEPARATELY).

THE COLOR OF THE BRIDGE PAINT IS TO BE "CONSERVATION" BROWN.

THE (5'-3" WIDE) CONCRETE DECKING IS TO CONSIST OF AIR ENTRAINED CONCRETE.

NOTE: THE WATER LEVEL IN A 100 YEAR STORM IS AT ELEVATION 477.84. THE BOTTOM OF THE BRIDGE SUBSTRUCTURE IS AT ELEVATION 477.04 AT THE ABUTMENTS, BUT DUE TO THE CAMBER OF THE BRIDGE, THE BOTTOM OF THE SUBSTRUCTURE AT THE CENTER OF THE BRIDGE IS AT ELEVATION 477.84 (ABOVE THE HIGHWATER). THE VELOCITY IN THE CHANNEL IS APPROXIMATELY 5 FEET/SECOND. THE BRIDGE IS DESIGNED TO WITHSTAND A WIND LOAD OF 30 PSF ON THE ENTIRE VERTICAL SURFACE (AS IF IT IS FULLY ENCLOSED). THIS IS A WIND LOAD OF 6.5 x 60.83 x 30PSF = 11,862 POUNDS. TO REACH THE SAME LOADING DUE TO THE FORCE OF WATER ON THE SUBSTRUCTURE WOULD REQUIRE A LOAD OF 390 PSF. AT ONLY 5 FEET/SECOND, THE FORCE OF THE WATER IS LESS THAN 100 PSF.

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**BROOKSIDE VILLAGE B**  
FOOT BRIDGE AND PEDESTRIAN TRAIL  
Prepared For:  
**SUMMIT POINTE, L.C.**  
239 FOX HILL ROAD  
FOX HILL, MISSOURI 63031  
(636) 443-8977

REVISIONS	NO.	DATE	ADD AMENITY SHEET TO PLANS
	1	1/16/06	ADD AMENITY SHEET TO PLANS
	2	1/26/06	ANGLE WINGWALLS & ADD DETAILS
	3	3/23/06	REV. PER CITY COMMENTS: 2/21/06

**ENGINEERS AUTHENTICATION**  
The responsibility for professional engineering liability on this project is hereby limited to the seal of plans authenticated by the seal, signature, and date hereunder attached. Responsibility is disclaimed for all other engineering plans involved in this project and specifically excludes revisions after the date unless reauthenticated by the engineer.  
**PROFESSIONAL ENGINEER**  
BROOKS S. TIEMANN  
NUMBER E-23345  
EXPIRES 12/31/11

DRAWN	DATE
NSG	09/12/05
CHECKED	DATE
DWD	09/12/05

PROJECT # 03029.SUPO.01R  
TASK # 002 FIELD 847  
BOOK  
**BROOKSIDE FOOT BRIDGE & PEDESTRIAN TRAIL**  
SHEET 109B2 OF 149  
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