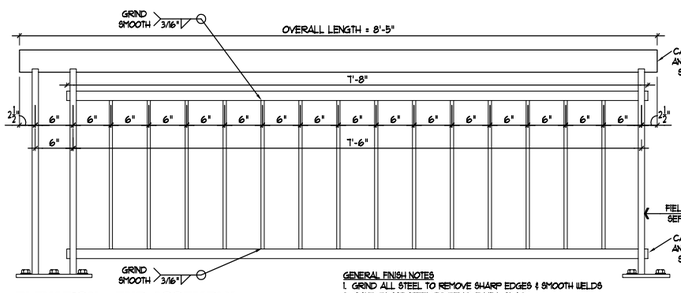
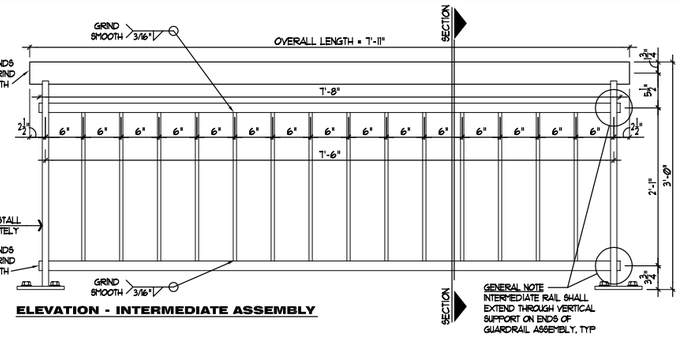


ELEVATION - END ASSEMBLY



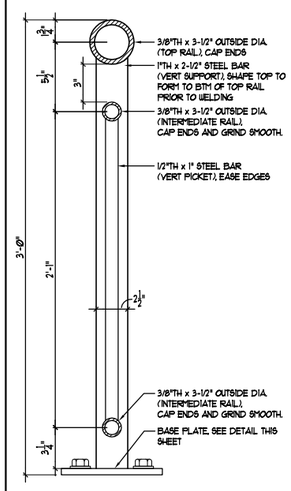
ELEVATION - INTERMEDIATE ASSEMBLY

GENERAL FINISH NOTES
1. GRIND ALL STEEL TO REMOVE SHARP EDGES & SMOOTH WELDS
2. SAND BLAST STEEL TO REMOVE MILL SLAG
3. FINISH: APPLY INORGANIC ZINC PRIMER AND WATER BORNE ACRYLIC PAINT, COLOR: TBD BY LA
4. SAMPLE MOCK-UP SECTION REQUIRED PRIOR TO FINAL PRODUCT

GENERAL NOTE
INTERMEDIATE RAIL SHALL EXTEND THROUGH VERTICAL SUPPORT ON ENDS OF GUARDRAIL ASSEMBLY, TYP

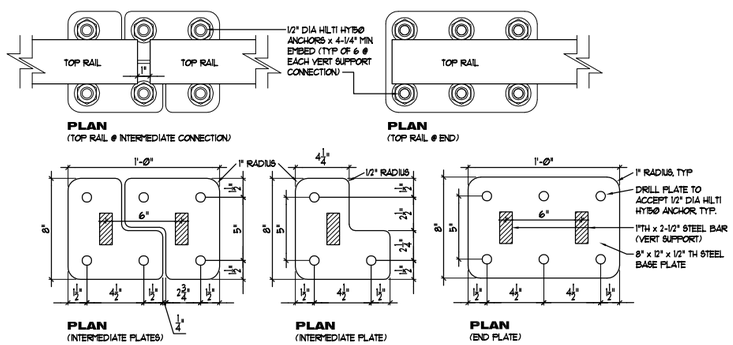
GUARDRAIL ASSEMBLY

SCALE 1"=1'-0"



SECTION

NOT TO SCALE



PLAN (TOP RAIL @ INTERMEDIATE CONNECTION)

PLAN (TOP RAIL @ END)

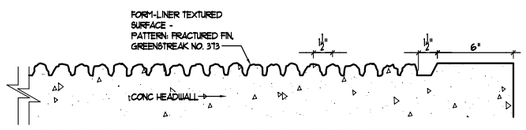
PLAN (INTERMEDIATE PLATES)

PLAN (INTERMEDIATE PLATE)

PLAN (END PLATE)

BASE PLATE

NOT TO SCALE

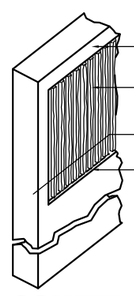


SECTION: FRACTURED FIN

NOT TO SCALE

SECTION

NOT TO SCALE



ISOMETRIC - FRACTURED FIN

NOT TO SCALE

GENERAL NOTES

1) CONCRETE
SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. CONTRACTOR SHALL SUBMIT CONCRETE MIX DESIGN TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.

2) CONCRETE
SHALL CONFORM TO THE CURRENT "ACI MANUAL OF CONCRETE PRACTICE".

3) CONCRETE COVER
SHALL BE 3" IN BOTTOM OF FOOTING CAST AGAINST SOIL. ALL OTHER COVER SHALL BE 2".

4) PORTLAND CEMENT
SHALL CONFORM TO ASTM C-150, TYPE I OR III.

5) TEXTURED CONCRETE SURFACE
SHALL BE PROVIDED ON FACES OF HEADWALL STRUCTURE. TEXTURE SHALL BE FORMED WITH 'GREENSTREAK NO. 313 FRACTURED FIN FORM LINER PATTERN OR EQUAL AS SHOWN IN SECTION DETAIL THIS SHEET. PATTERN SHALL HAVE A 6" BORDER ALONG THE TOP AND SIDES AS SHOWN. THE TEXTURED CONCRETE SURFACE SHALL BE FLUSH OR SLIGHTLY RECESSED BEHIND THE FACE OF THE PERIMETER SURFACES.

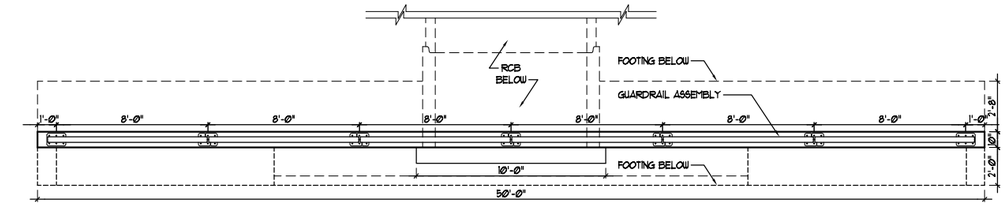
6) AGGREGATE
FOR NORMAL WEIGHT CONCRETE SHALL MEET ASTM C33.

7) REINFORCING
SHALL MEET ASTM A615 OR GR 60.

8) FOOTINGS
SHALL BEAR ON UNDISTURBED EARTH OR ENGINEERED FILL AT ELEVATIONS SHOWN ON DETAILS.

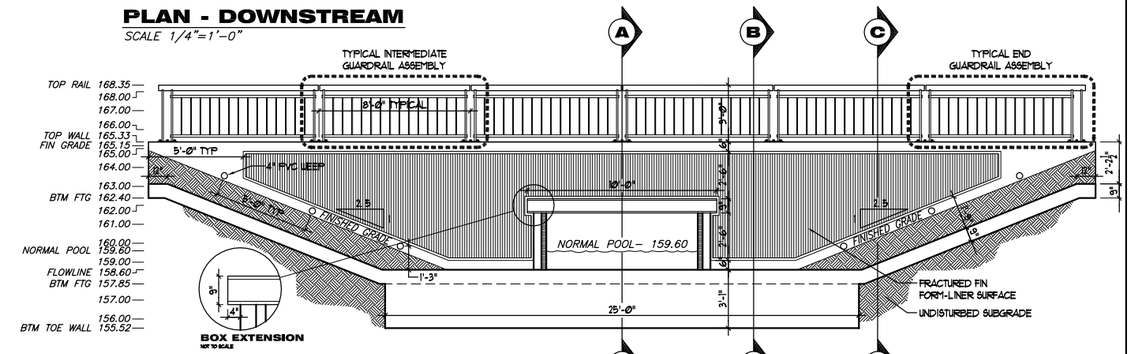
9) EARTHWORK
SHALL BE CONSIDERED SUBSIDIARY TO HEADWALL CONSTRUCTION.

10) PRODUCT MOCK-UPS
SHALL BE REQUIRED ON ALL WALL AND STEEL SYSTEMS PRIOR TO COMMENCEMENT OF WORK. WALL AND STEEL SYSTEM MOCK-UPS MAY VARY IN HEIGHT AND LENGTH (TO-BE-DETERMINED BY LANDSCAPE ARCHITECT).



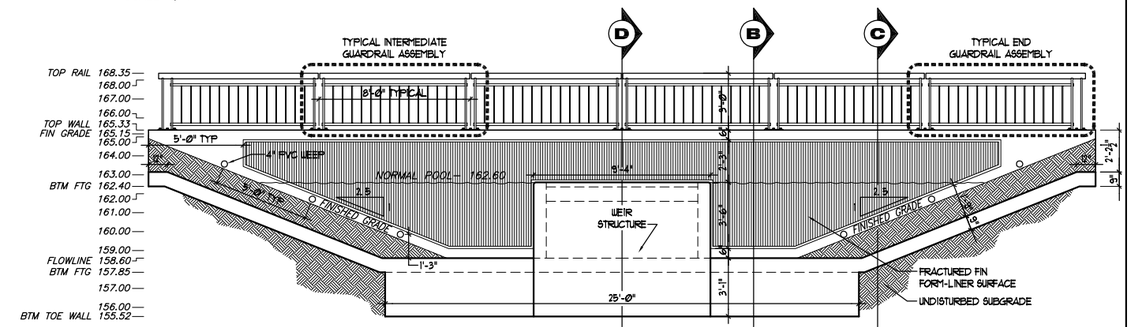
PLAN - DOWNSTREAM

SCALE 1/4"=1'-0"



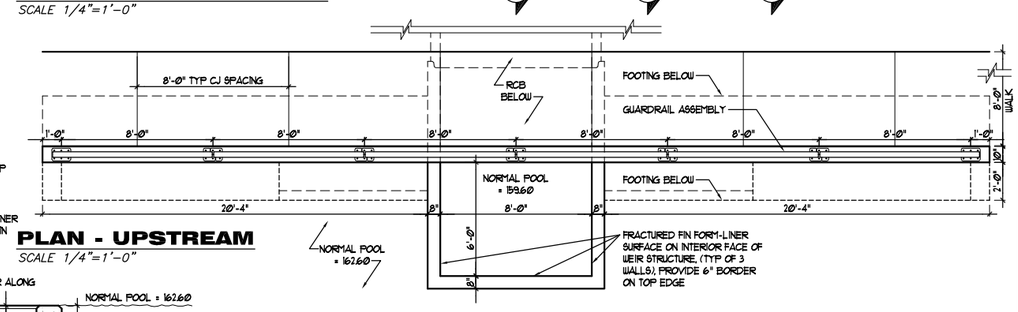
ELEVATION - DOWNSTREAM

SCALE 1/4"=1'-0"



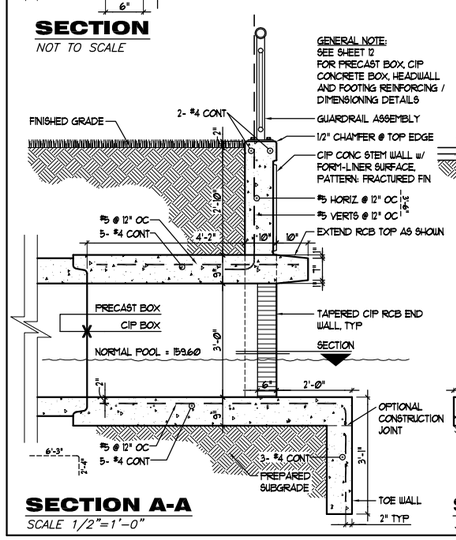
ELEVATION - UPSTREAM

SCALE 1/4"=1'-0"



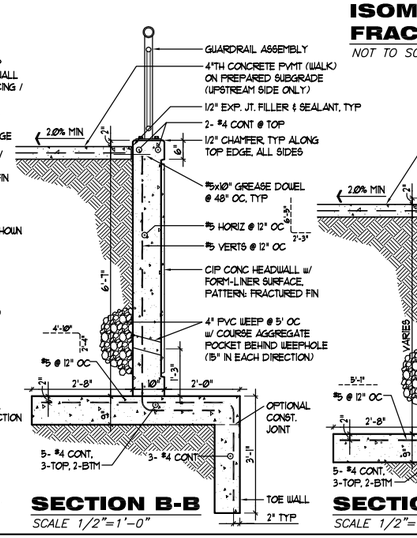
PLAN - UPSTREAM

SCALE 1/4"=1'-0"



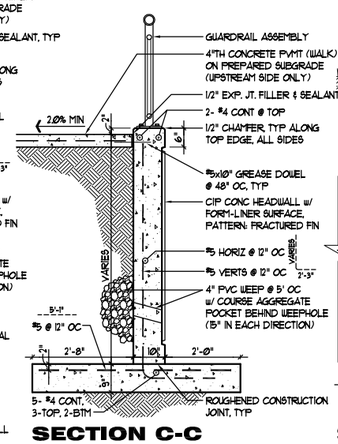
SECTION A-A

SCALE 1/2"=1'-0"



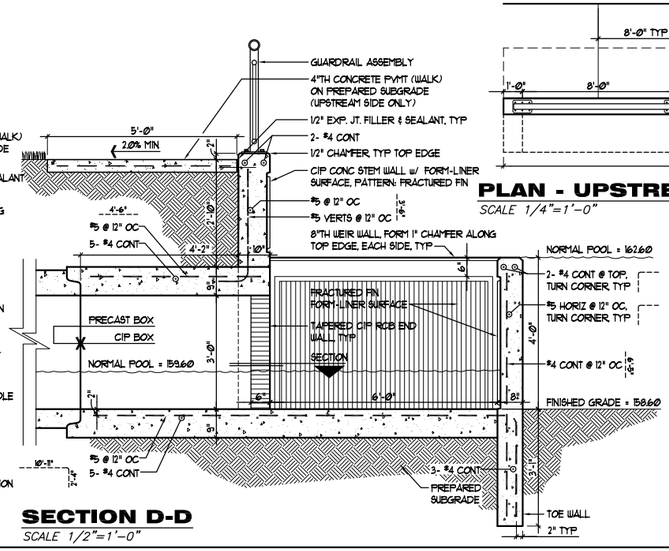
SECTION B-B

SCALE 1/2"=1'-0"



SECTION C-C

SCALE 1/2"=1'-0"



SECTION D-D

SCALE 1/2"=1'-0"

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MKEC ENGINEERING CONSULTANTS
411 N. WEBB ROAD
WICHITA, KS. 67206
316 - 684 - 9600

FOX RIDGE ADDITION ENTRY PAVING - PHASE 1
PROJECT NAME

HEADWALL PLAN, ELEVATION AND DETAILS
SHEET TITLE

KLK	KLK	MKEC
DESIGN BY:	DRAWN BY:	CHECKED BY:
JULY, 2003	9901011118	10 / 25
DATE	JOB NO.	SHEET/OF