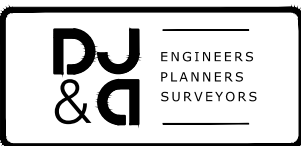


REVISION	DATE	DESCRIPTION

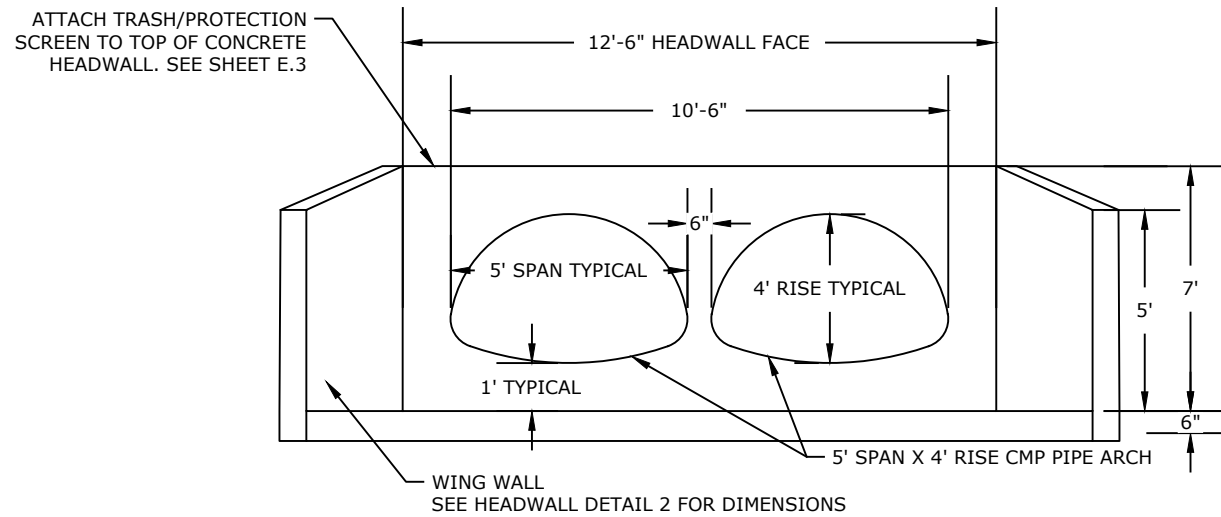
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DRAWN	LG	DATE	01/21
CHECKED	PD	SURVEYED	DJBA, P.C.



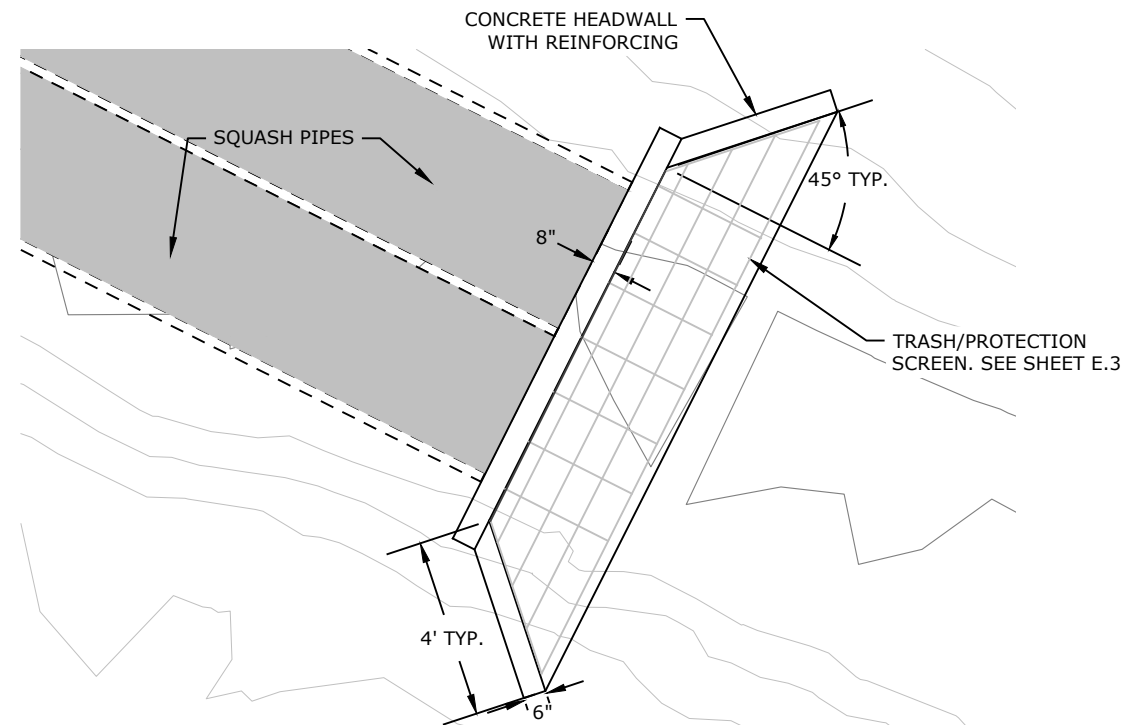
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SHEET OF	
E.1	E.3



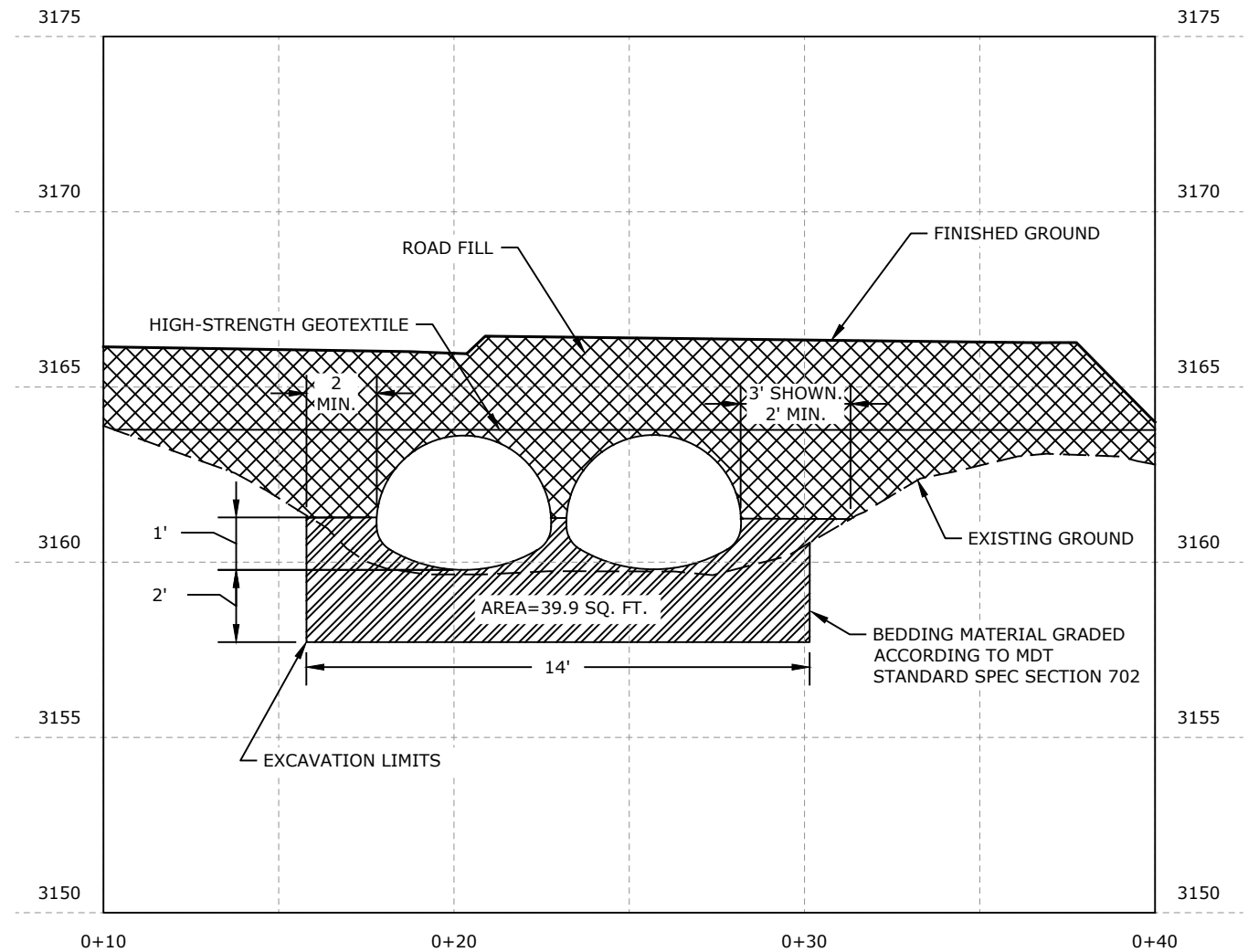
1  
E.2 **INLET/OUTLET TYPICAL SECTION**  
NOT TO SCALE



2  
E.2 **HEADWALL INLET AND OUTLET DETAIL**  
NOT TO SCALE

**HEADWALL NOTES:**

1. ALL EXPOSED EDGES TO HAVE 1" BEVELED CORNERS
2. HEADWALL REINFORCING - GRADE 60 REINFORCEMENT. NO. 4 STEEL REBAR TO CONFORM TO ASTM A615 ON REQUIRED CENTERS OR EQUAL. BAR BENDING AND PLACEMENT SHALL CONFORM WITH THE LATEST ACI STANDARDS.
3. CONCRETE TO BE CLASS I/II WITH DESIGN STRENGTH OF 4500 PSI AT 28 DAYS. UNIT IS OF MONOLITHIC CONSTRUCTION INCLUDING WALLS AND FLOOR.



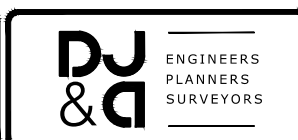
3  
E.2 **SAMPLE STREAM CROSS-SECTION DETAIL**  
NOT TO SCALE

**EXCAVATION/BACKFILL NOTES:**

1. DO NOT EXTEND BEDDING MATERIAL TO THE END OF THE PIPE. LEAVE 10' OF UNDISTURBED MATERIAL AT EACH END UNLESS OTHERWISE NOTED IN PLANS.
2. COMPACT AND PLACE SIDE FILL PER MDT STANDARD SPECIFICATION SECTION 603 AND 203.
3. FURNISH BEDDING PER MDT STANDARD SPECIFICATION SECTION 603 AND 203.
4. EXCAVATE A SUFFICIENT AMOUNT TO PROVIDE A SAFE WORKING ENVIRONMENT AND TO ALLOW ACHIEVEMENT OF ALL CULVERT INSTALLATION AND COMPACTION REQUIREMENTS. SLOPE, BENCH OR PROVIDE SHORING FOR ALL EXCAVATIONS IN ACCORDANCE WITH THE U.S. DEPARTMENT OF LABOR, OCCUPATIONAL SAFETY HEALTH ADMINISTRATION (OSHA) SAFETY AND HEALTH REGULATIONS FOR CONSTRUCTION.
5. BUILD BERM WITH FILL MATERIAL AS NEEDED TO CONTAIN THE BEDDING MATERIAL TO THE PROPER DEPTH.
6. TO THE HORIZONTAL EXTENTS SHOWN ABOVE, PLACE HIGH-STRENGTH GEOTEXTILE AT THE INTERFACE BETWEEN THE SPECIFIED 3" MINUS (SUBBASE) AND THE 3/4" AGGREGATE BASE MATERIALS. IN LOCATIONS OF MINIMUM COVER, THE 3" MINUS MATERIAL WILL BE REDUCED AND THE GEOTEXTILE IS STILL TO BE INSTALLED AT THE INTERFACE BETWEEN THE TWO MATERIALS.

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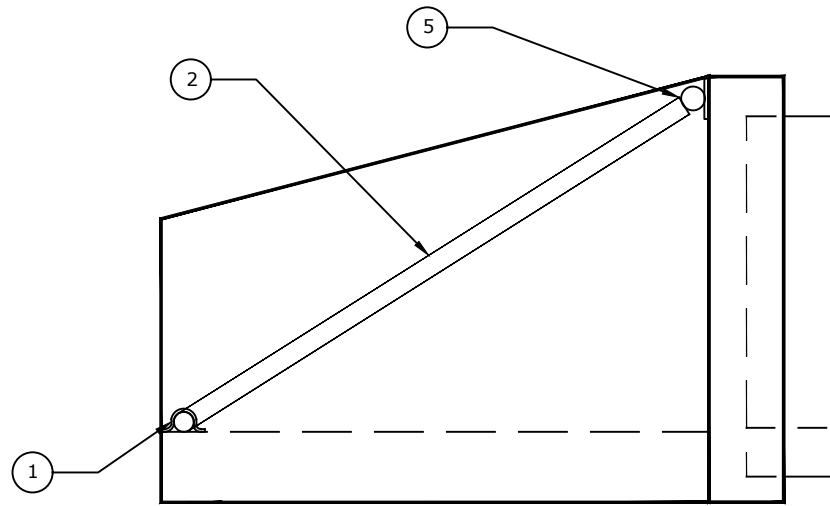
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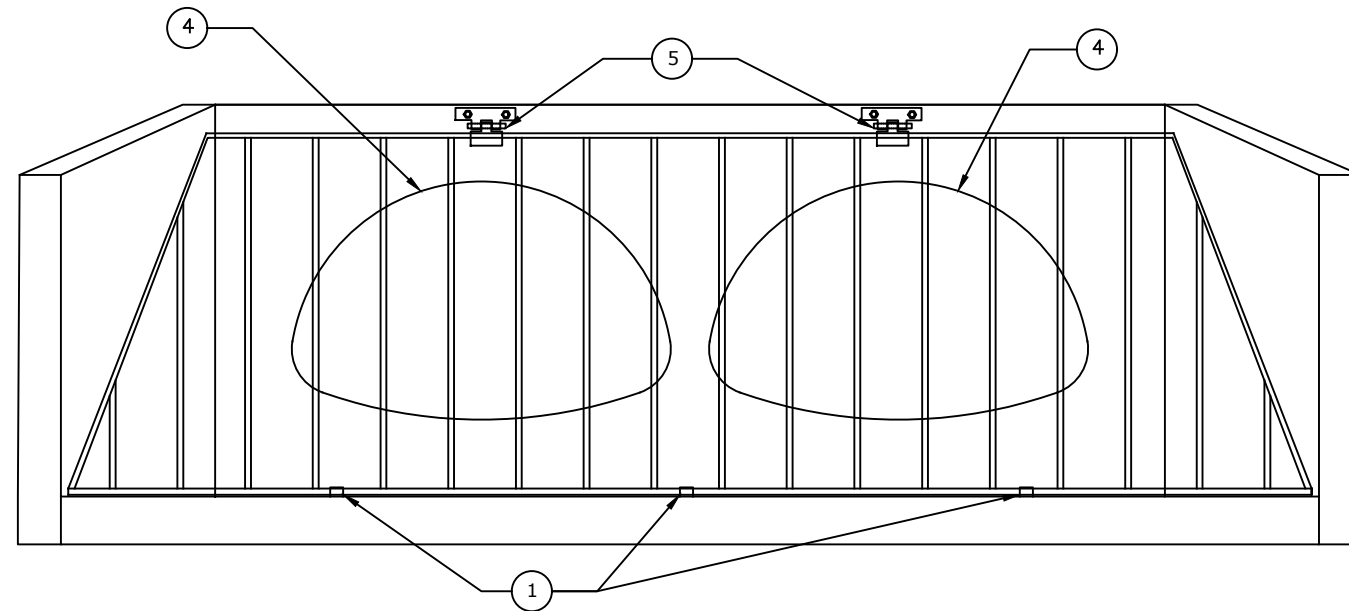
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SHEET	OF
E.2	E.3



SIDE VIEW



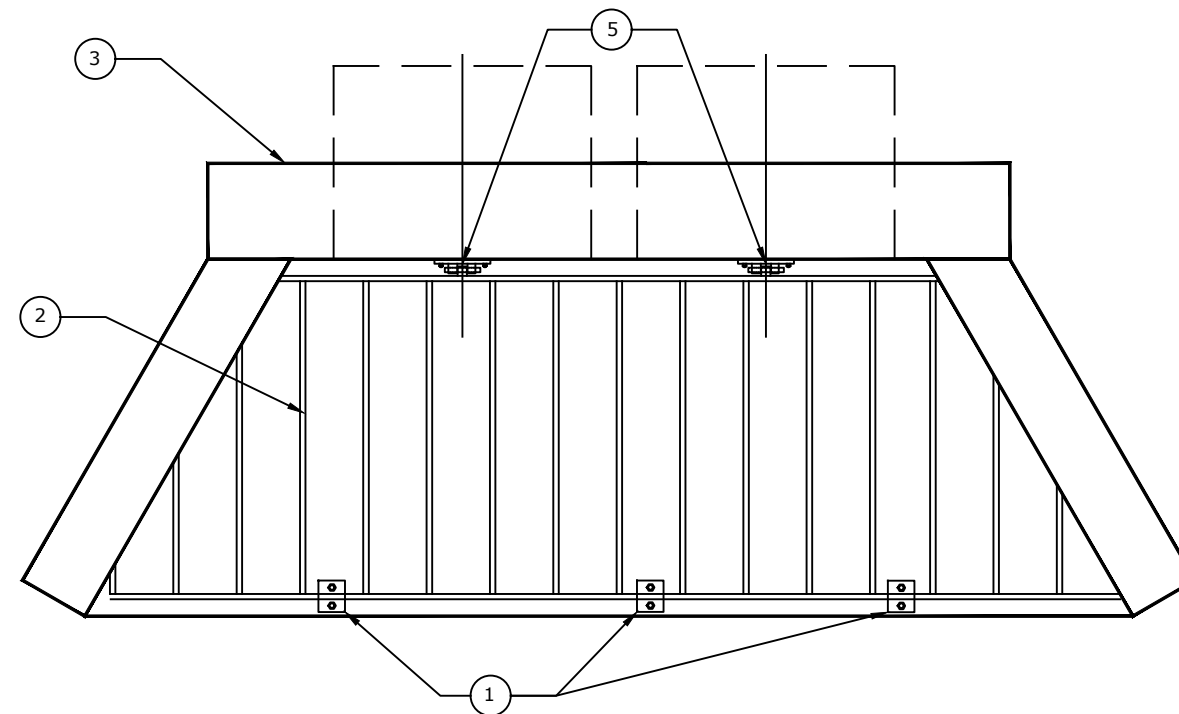
FRONT VIEW

TRASH RACK NOTES:

1. GRATE FABRICATION SHALL BE IN ACCORDANCE TO AWA D1.1 STEEL SHALL BE ASTM A36 CARBON STEEL, AND HOT-DIPPED GALVANIZED AFTER FABRICATION IN ACCORDANCE TO ASTM A123

TRASH RACK FOOTNOTES:

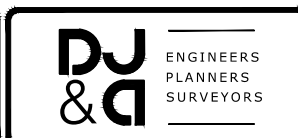
1. 1-1/2" X 1" GALVANIZED STRAP TO CONCRETE WITH 1/2" ANCHOR BOLTS
2. GALVANIZED STEEL DEBRIS GRATE, 1-1/2" X 3/16" BARS @ 2" O.C. 3" CLEAR OPENING.
3. REINFORCED CONCRETE HEADWALL
4. CMP SQUASH PIPE CULVERT
5. 1" PLATE HINGE FOR CULVERT ACCESS



TOP VIEW

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SHEET	OF
E.3	E.3