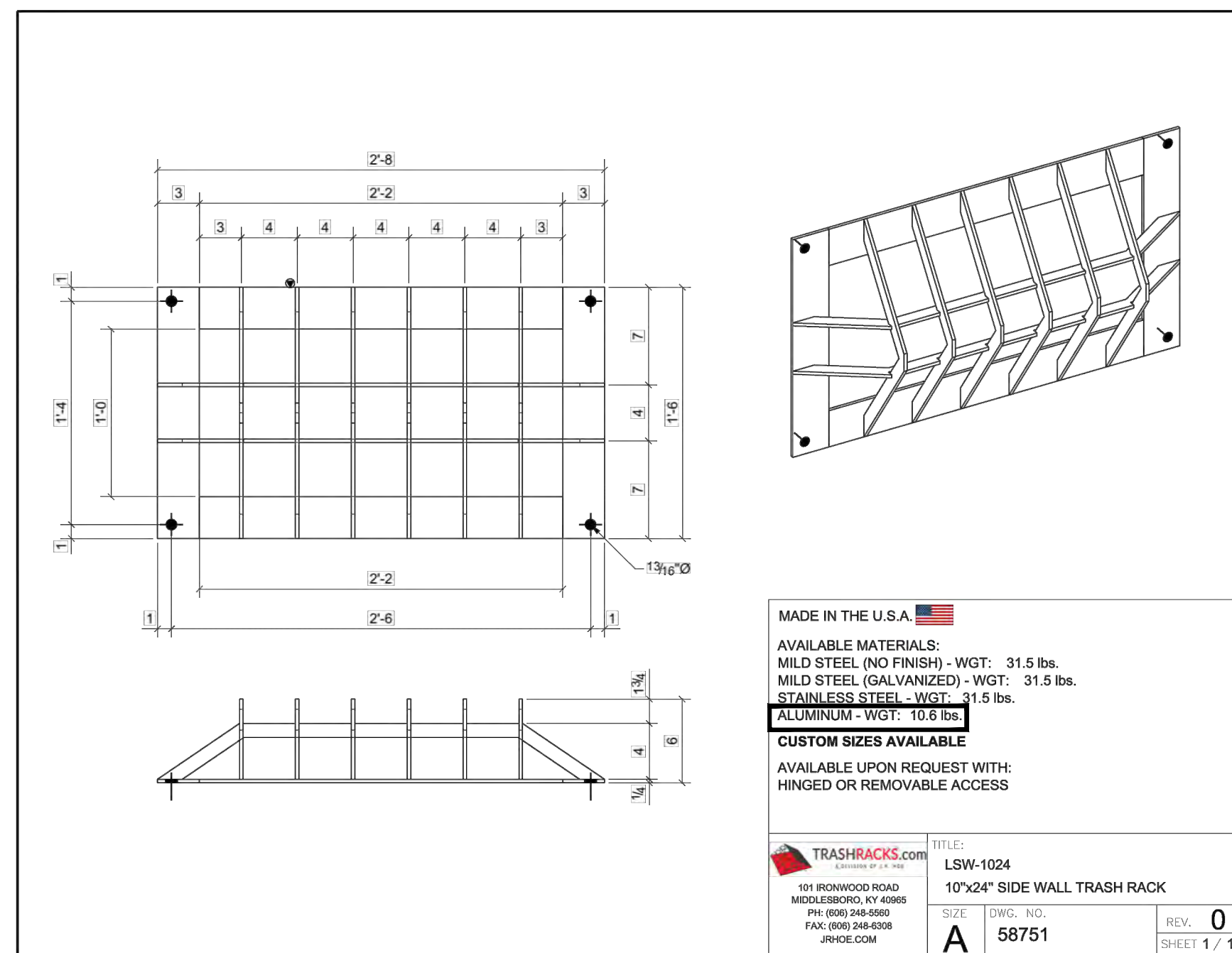
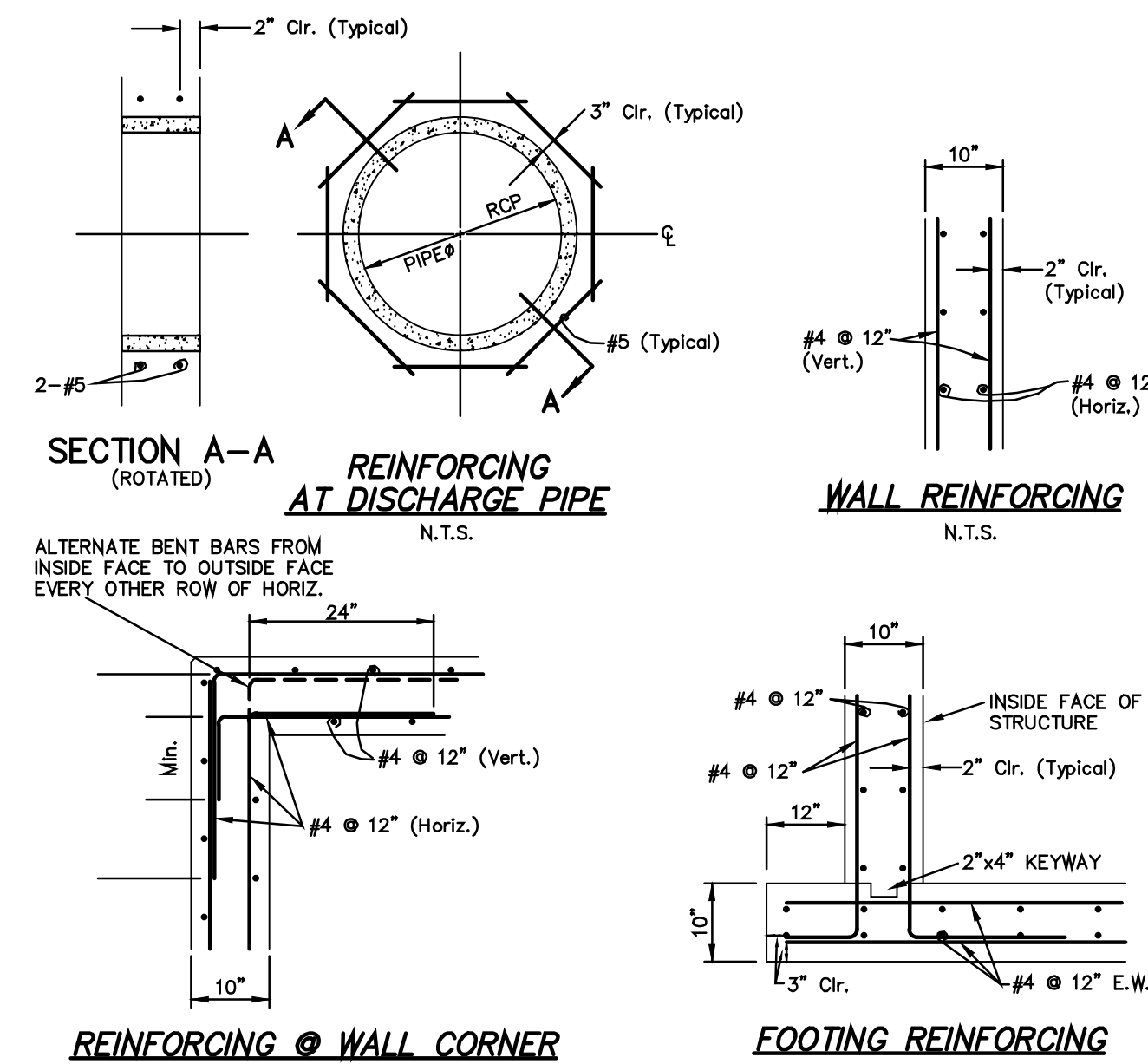


TRASH RACK (TOP OF STRUCTURE)



TRASH RACK (SIDE OF STRUCTURE)

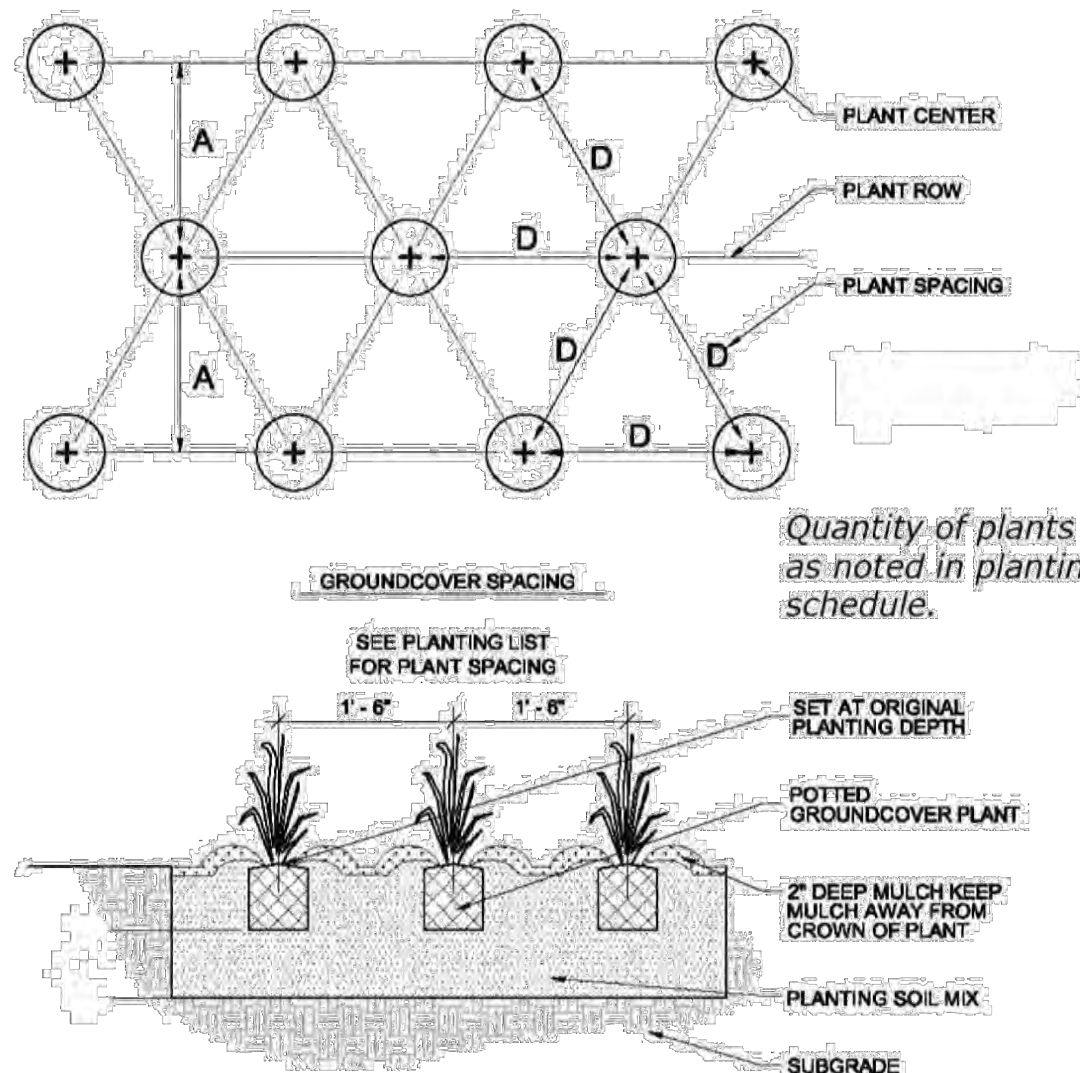


- NOTES:
- ANY UNSUITABLE SOIL (AS DETERMINED BY SOILS ENGINEER) BELOW DETENTION STRUCTURE SHALL BE REMOVED AND REPLACED WITH SELECTED EARTHEN MATERIAL AND COMPACTED IN PLACE WITH VIBRATORY TAMPER.
 - BACKFILL MATERIAL AROUND OVERFLOW STRUCTURE TO BE COMPACTED CLAY.
 - ALL EXPOSED CONCRETE EDGES TO HAVE 3/4" CHAMFER EDGES.
 - CONCRETE- f_c = 3000 psi
STEEL- f_y = 60,000 psi
 - THE CONTRACTOR SHALL BE REQUIRED TO SUBMIT SHOP DRAWINGS TO ENGINEER FOR REVIEW, PRIOR TO CONSTRUCTION.

BASIN OUTFALL STRUCTURE DETAIL

SPACING (FT.)	ROW (A)	NUMBER OF PLANTS/SQ. FT.
30"	28"	180
24"	20"	28
18"	15"	450
18"	13"	640
12"	10 1/4"	1,000
10"	8 1/2"	1,440
8"	6 3/8"	2,250

NOTE: PLANT QUANTITIES WERE DETERMINED BY MULTIPLYING AREA (SQ. FT.) BY NUMBER OF PLANTS/SQ. FT. FOR REQUIRED SPACING.



- NOTES:
- REMOVE SPENT FLOWERS PRIOR TO PLANTING.
 - LOOSEN ROOT MASS AT BOTTOM OF ROOTBALL.
 - TOP OF ROOTBALL STRIPPED OF 1/2" SURFACE GROWING MEDIA AND COVERED WITH 1" LANDSCAPE BED MIX PLUS SURFACE MULCH.
- Plant Spacing Plan
 N.T.S.
 Figure 9
 Planting Detail Courtesy of Ted Spald
 SWT Design, St. Louis, MO

MSD Landscape Guide for Stormwater Best Management Practices

Planting, Water and Mulch Requirements for Stormwater BMPs

Table 3: Planting, Water and Mulch Requirements

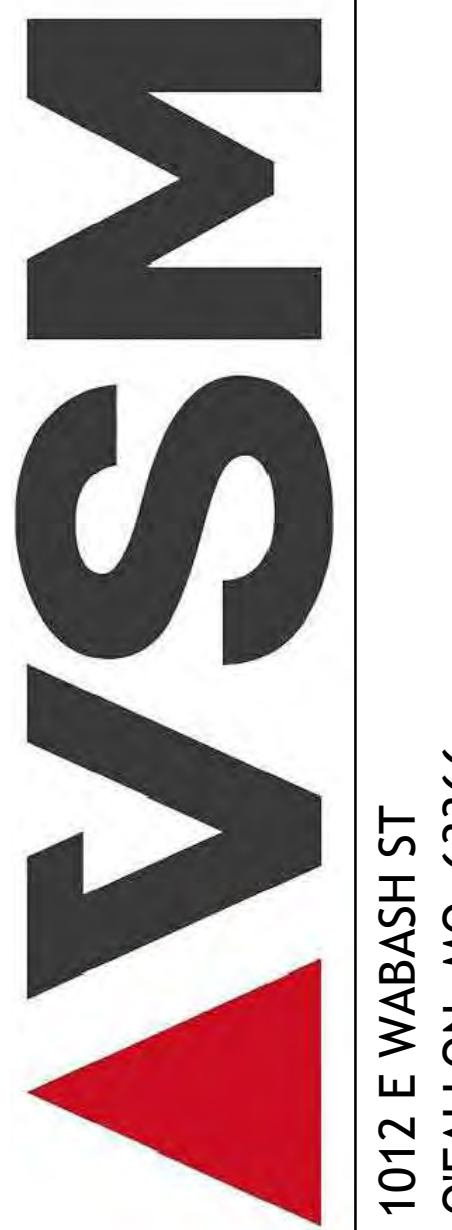
Water Availability	Required Planting Period	Minimum Container Size	Water Requirement First 3 Weeks*	Water Requirement After 3 Weeks*	Maximum Mulch Depth***
No ability to water after	Late Feb. - April only	2.25' x 3.75' or larger	Water each plug immediately		1.5 for plugs
Manual watering with standard sprinkler	Late Feb. - Early June	4.5' x 5' (quart) or larger in summer & fall	1" (60 min) every 4 days	1" (60 min) every 7 days until plants established***	1.5" for plugs
Automatic irrigation (set to water more frequently than normal during first two months after planting)	Late Feb. - Early Oct.	2.25' x 3.75' (plug) or larger in spring 4.5' x 5' (quart) or larger in summer & fall	1" (60 min) every 4 days in spring and fall 1" (60 min) every 3 days in summer	1" (60 min) every 7 days until plants established***	1.5" for plugs 2.5" for quarts

- *This water amount includes natural rainfall. If you get a 1/8 inch of natural rain then you will need to add a 1/8 inch of water to meet the 1 inch requirement.
- **Requires transport of water to the planting site in large containers and pouring enough water onto each plant (after planting) to moisten the entire planting pit.
- ***Plants are established when roots have grown out of the container soil and into the native soil by 3-5 inches. This normally takes 3-4 months for most perennials and grasses and up to 6-7 months for trees and shrubs.
- ****Shredded leaf compost is recommended for use with perennials and grasses. Shredded bark mulch is recommended for tree and shrub plantings at a depth of 3 inches.



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 CIVIL ENGINEER
 CEDC LICENSE NO.: 2003004674

DESCRIPTION:

01/05/22	Construction Site Plan Submittal
01/14/22	Permit / Bid Set
02/24/22	City comments
03/21/22	City comments

Issue Date:	01/14/22
Job Number:	1981.1
Drawn By:	PKB
Checked By:	PKB
Drawing Title:	

Best Management
 Practices Plan
 Details