

SEE STORM SEWER PLAN SHEETS 10 & 15 FOR RIPRAP INFORMATION.

FLARED END SECTION DET3B
N. 979586.44 E. 2828222.25
W/ STANDARD CONCRETE TOEWALL

FLARED END SECTION DET2E
N. 97952.93 E. 2828231.99
W/ STANDARD CONCRETE TOEWALL

NOTE:
THE 100 YEAR WATER SURFACE ELEVATION WITH
CLOGGED OUTLET STRUCTURE = 977.49.

48" DIA. ADS HP MANHOLE WITH
30" GRATE DET2B
N. 980352.98 E. 2828263.34

4'x 14' CONCRETE OUTLET STRUCTURE DET1B
N. 980389.78 E. 2828248.55

2 - 48" END SECTIONS DET1A
N. 980416.30 E. 2828345.36

INSTALL 44.4 C.Y. (24' WIDE X
25' LONG X 2' DEEP) STONE
RIPRAP WITH MINIMUM 15"
STONE AND ADDITIONAL
ENERGY DISSIPATORS. PLACE
FILTER FABRIC PRIOR TO
INSTALLATION OF RIPRAP.

100 YEAR WATER SURFACE
ELEVATION = 976.5

FLARED END SECTION DET2A
N. 980353.77 E. 2828245.35
W/ STANDARD CONCRETE TOEWALL

100 YEAR WATER SURFACE
ELEVATION = 976.5

EMERGENCY SPILLWAY = 165' LONG
ELEV. = 977.00

48" DIA. ADS HP MANHOLE WITH
30" GRATE DET3A
N. 979585.77 E. 2828238.74

48" DIA. ADS HP MANHOLE WITH
30" GRATE DET2D
N. 979851.29 E. 2828247.37

48" DIA. ADS HP MANHOLE WITH
30" GRATE DET2C
N. 980102.14 E. 2828255.35

GRADE SWALE AS SHOWN, FROM END OF RIP RAP TO THE
EXISTING SWALE. SWALE TO BE APPROXIMATELY 20' WIDE,
2' MAXIMUM DEPTH AND 3 TO 1 SIDE SLOPES. GRADING IS
LIMITED TO THE SOUTH SIDE OF THE PROPERTY LINE.

CENTERLINE EXISTING SWALE

NOTE:

- AREAS TO RECEIVE FILL SHOULD BE STRIPPED OF VEGETATION, TOPSOIL, SOFT SOIL AND DELETERIOUS MATERIALS.
- THE EXPOSED SUBGRADE SHOULD BE PROOFROLLED WITH A FULLY LOADED TANDEM AXLE DUMP TRUCK. SOFT AREAS THAT DEVELOP SHOULD BE OVEREXCAVATED AND BACKFILLED WITH COMPACTED CLAY SOIL OR THE AREA MOISTURE CONDITIONED, REWORKED AND COMPACTED.
- NON-ORGANIC, FINE-GRAINED CLAY SOIL SHOULD BE USED FOR FILL.
- SOIL FILL SHOULD BE PLACED IN UNIFORM 8-INCH THICK LIFTS.
- THE FILL SHOULD BE COMPACTED TO AT LEAST 95 PERCENT STANDARD PROCTOR (ASTM D698) MAXIMUM DRY DENSITY AT A MOISTURE CONTENT BETWEEN MINUS 1 TO PLUS 3 PERCENT OF THE OPTIMUM MOISTURE CONTENT.
- DELETERIOUS MATERIAL AND PIECES OF ROCK LARGER THAN 2 INCHES SHOULD NOT BE INCLUDED IN THE FILL.
- THE FILL SHOULD NOT BE PLACED ON SOFT MATERIALS OR FROZEN GROUND. FROZEN SOILS SHOULD NOT BE USED FOR FILL.

1"=10'



R. KEVIN STERRETT, P.E.
JULY 15, 2020



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CORPORATE LICENSE NO. E201000373 (MO.) / E-1736 (KS.)

STREET AND STORM SEWER PLANS
NORTH DETENTION BASIN, IN-BASIN STORM
LINE AND OUTLET STRUCTURE
COBEY CREEK FIRST PLAT
PHASE I
CITY OF LEES SUMMIT, JACKSON COUNTY, MISSOURI

X-REF NO.
16-059 Base Phase I
DRAWING NO.
16-059 Phase I Street Plans
DATE
July 21, 2020
JOB NO.
16-059

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