

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

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

2 - 6' DIA. CONCRETE MANHOLES DET1B  
N. 980387.16 E. 2828247.27

2 - 48" END SECTIONS DET1A  
N. 980415.88 E. 2828345.47

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.



Know what's below.  
Call before you dig.

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

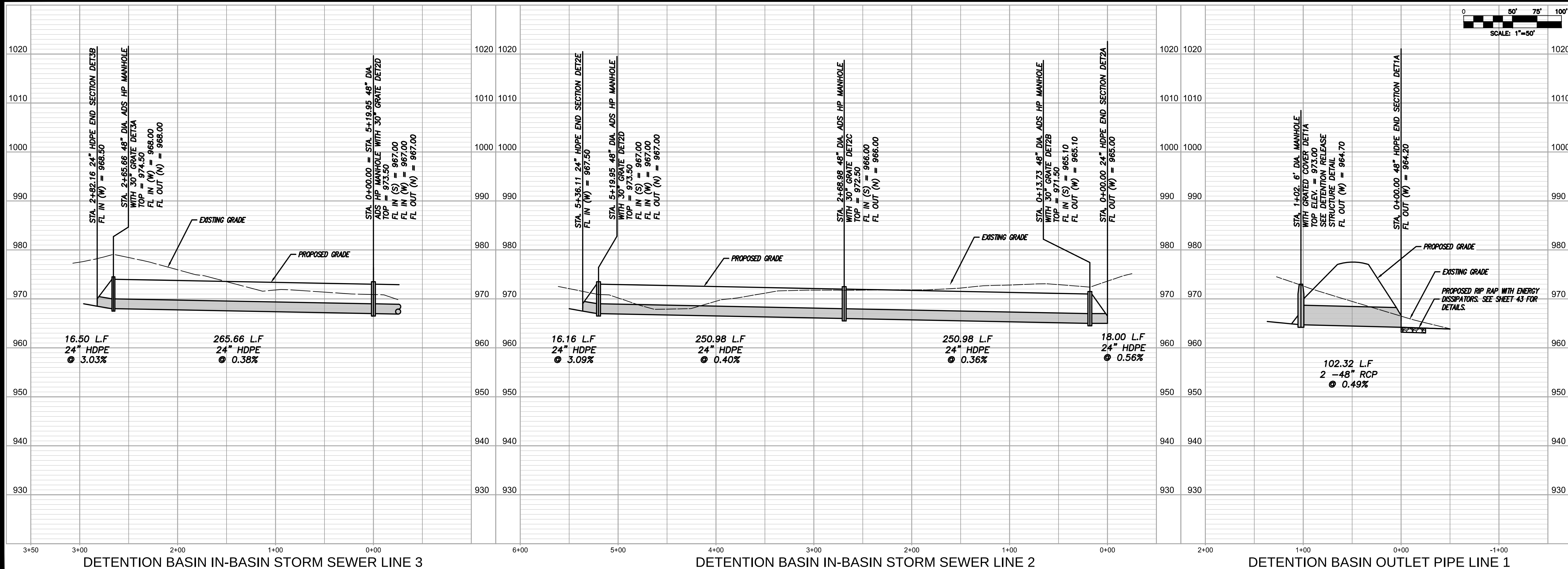
CENTERLINE EXISTING SWALE  
Grade swale as shown, from end of rip rap to the  
existing swale. Swale to be approximately 20' wide,  
2' maximum depth and 3 to 1 side slopes. Grading  
is limited to the south side of the property line.

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

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.

10'  
0  
1"=10'



| NO. | DATE     | REVISION                        | CORP. |
|-----|----------|---------------------------------|-------|
| 5   | 06/21/19 | PER CITY'S COMMENTS             | SPW   |
| 4   | 04/22/19 | PER CITY'S COMMENTS             | RAS   |
| 3   | 04/16/19 | PER CITY'S COMMENTS             | SPW   |
| 2   | 03/27/19 | PER CITY'S COMMENTS             | RAS   |
| 1   | 03/06/19 | PER CITY'S COMMENTS             | SPW   |
|     | 11/21/18 | SUBMITAL TO CITY OF LEES SUMMIT | SPW   |



R. KEVIN STERRETT, MO E-26440  
June 21, 2019

**consult inc** engineers planners

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CORPORATE LICENSE NO. E20100573 (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  
June 21, 2019  
SHEET NO.  
328 NO.  
16-059

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