



**SUMMARY OF COMMON EXCAVATION**

14,150 CUBIC YARDS - CROSS SECTIONS  
 4,600 CUBIC YARDS - TOPSOIL SUBCUT  
 104 CUBIC YARDS - POND EXCAVATION  
 18,854 CUBIC YARDS - TOTAL COMMON EXCAVATION

**REFERENCE NOTES:**

- ① CONSTRUCT APRON WITH TRASH GUARD PER CITY STANDARD PLATE NO. 2504.
- ② CONSTRUCT CONCRETE MAT PER CITY STANDARD PLATE NO. 2513.
- ③ TIE THE LAST FOUR PIPE JOINTS PER CITY STANDARD PLATE NO. 2503.

**LEGEND**

- 900 --- EXISTING CONTOUR
- 900 — PROPOSED CONTOUR
- > EXISTING SANITARY SEWER
- | EXISTING WATERMAIN
- >> EXISTING STORM SEWER
- G EXISTING GAS
- T-BUR EXISTING TELEPHONE
- U-OH EXISTING OVERHEAD UTILITY
- P-BUR EXISTING UNDERGROUND ELECTRIC
- >> PROPOSED STORM SEWER
- ⊙ PROPOSED STORM SEWER STRUCTURES
- ▬ SILT FENCE SEE SHEET 3
- ⊙ INLET PROTECTION SEE SHEET 4
- ▬ ROCK CONSTRUCTION ENTRANCE SEE SHEET 3
- 974.0 LOWEST OPENING ELEVATION
- FB HOUSE TYPE
- FB FULL BASEMENT
- FBWO FULL BASEMENT WALKOUT
- SEWO SPLIT ENTRY WALKOUT
- 974.0 GARAGE FLOOR ELEVATION



DATE	REVISION
11/28/17	PLAN REVISIONS PER CITY REVIEW
2/9/18	PLAN REVISIONS
3/8/18	REVISE HOUSE PAD ELEVATIONS
3/19/18	PLAN REVISIONS
4/6/18	ADD SOIL BORING
5/7/18	PLAN REVISIONS PER CITY REVIEW

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

*Craig J. Jochum*  
 CRAIG J. JOCHUM, PE  
 Lic. No. 23461

Date 7/31/17

DESIGNED BY: CJJ  
 DRAWN BY: MSS  
 CHECKED BY: TAE

**RUM RIVER**  
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HILLSIDE ESTATES ELEVENTH ADDITION

NORTH HALF GRADING, DRAINAGE AND EROSION CONTROL PLAN  
 CITY OF ELK RIVER, MINNESOTA

SHEET 9 OF 22 SHEETS  
 P-2135.15

May 10, 2018 11:28am  
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