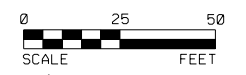


- SPECIFIC NOTES:**
- (A) DRAINAGE STRUCTURE DESIGN SPECIAL 1. SEE DRAINAGE DETAILS.
- GENERAL NOTES**
1. PERMITTEES MUST NOT EXCAVATE FILTRATION SYSTEMS TO FINAL GRADE, OR WITHIN THREE (3) FEET OF FINAL GRADE, UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN CONSTRUCTED AND FULLY STABILIZED UNLESS THEY PROVIDE RIGOROUS EROSION PREVENTION AND SEDIMENT CONTROLS TO KEEP SEDIMENT AND RUNOFF COMPLETELY AWAY FROM THE FILTRATION AREA.
 2. WHEN EXCAVATING A FILTRATION SYSTEM TO WITHIN THREE (3) FEET OF FINAL GRADE, PERMITTEES MUST STAKE OFF AND MARK THE AREA SO HEAVY CONSTRUCTION VEHICLES OR EQUIPMENT DO NOT COMPACT THE SOIL IN THE INFILTRATION AREA. SEE PROJECT SPECIFICATIONS FOR POST CONSTRUCTION INFILTRATION TESTING REQUIREMENTS.

LEGEND	
(XXXX)	DRAINAGE STRUCTURE NUMBER
□ / ▽	PROPOSED/INPLACE APRON
⊙ / ■	PROPOSED/INPLACE CATCH BASIN STRUCTURE AND/OR CASTING
⊙ / ○	PROPOSED/INPLACE MANHOLE STRUCTURE AND/OR CASTING
— >	PROPOSED STORM SEWER / DRAINTILE
—	AREAS OF ENVIRONMENTAL SENSITIVITY
---	EXISTING RIGHT OF WAY
- - -	PROPOSED RIGHT OF WAY
---	PERMANENT EASEMENT
- - -	TEMPORARY EASEMENT
---	CONSTRUCTION LIMITS
---	EXISTING CONTOURS
---	PROPOSED CONTOURS
①	STD. MNDOT SIGN (X3-6A) INDICATING AREA IS AN "INFILTRATION AREA"

NOTES:
SEE DRAINAGE TABULATIONS FOR STORMWATER PONDS / SUBDRAIN SUMMARY TABULATION



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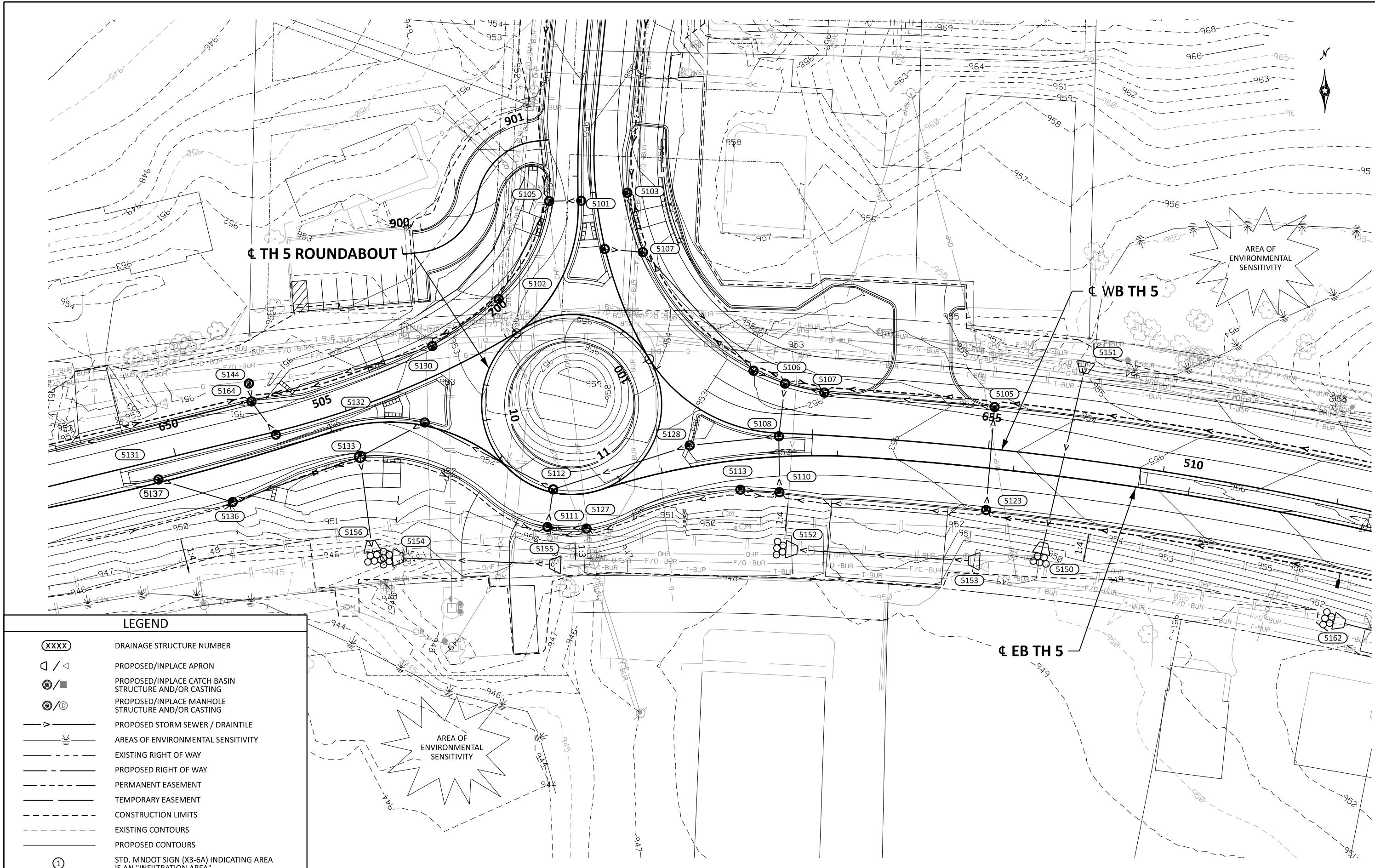
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JOHN L. PERKINS
LIC. NO. 56278
DATE 01-24-2025

DESIGNED JLP	SP 1002-121 (TH 5), SP 010-611-025, SP 241-010-002, SP 241-020-004	SHEET 167
DRAWN MMH	TH 5 & CSAH 11 RECONSTRUCTION	OF 243
CHECKED JLP	PROPOSED CONTOUR PLANS	

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LEGEND

- XXXX DRAINAGE STRUCTURE NUMBER
- / PROPOSED/INPLACE APRON
- / PROPOSED/INPLACE CATCH BASIN STRUCTURE AND/OR CASTING
- / PROPOSED/INPLACE MANHOLE STRUCTURE AND/OR CASTING
- PROPOSED STORM SEWER / DRAIN TILE
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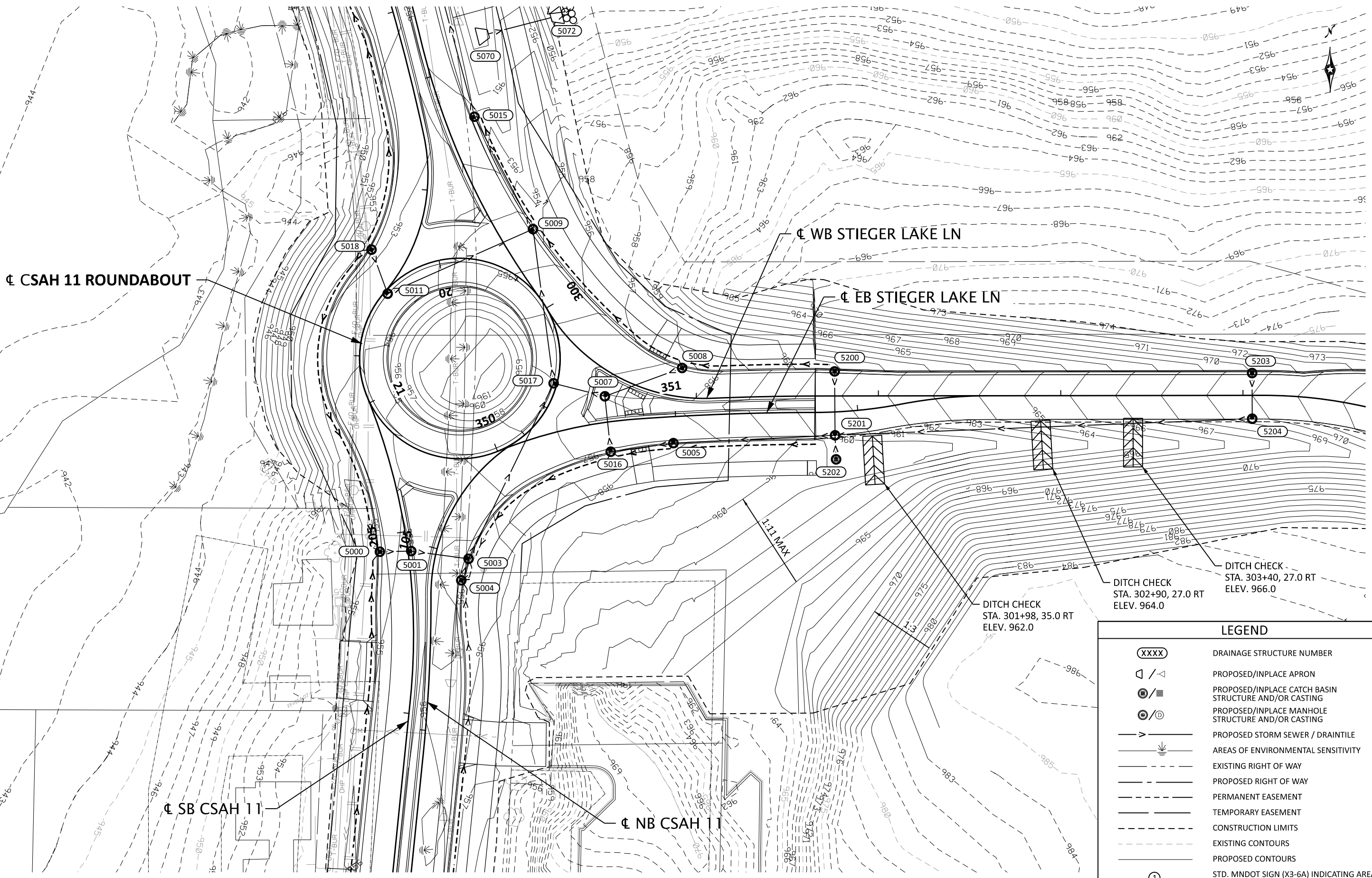
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 PROPOSED CONTOUR PLANS

SHEET 168 OF 243

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☐ CSAH 11 ROUNDABOUT

☐ WB STIEGER LAKE LN

☐ EB STIEGER LAKE LN

☐ SB CSAH 11

☐ NB CSAH 11

DITCH CHECK
STA. 303+40, 27.0 RT
ELEV. 966.0

DITCH CHECK
STA. 302+90, 27.0 RT
ELEV. 964.0

DITCH CHECK
STA. 301+98, 35.0 RT
ELEV. 962.0

LEGEND	
XXXX	DRAINAGE STRUCTURE NUMBER
▱ / ▱	PROPOSED/INPLACE APRON
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⊙ / ○	PROPOSED/INPLACE MANHOLE STRUCTURE AND/OR CASTING
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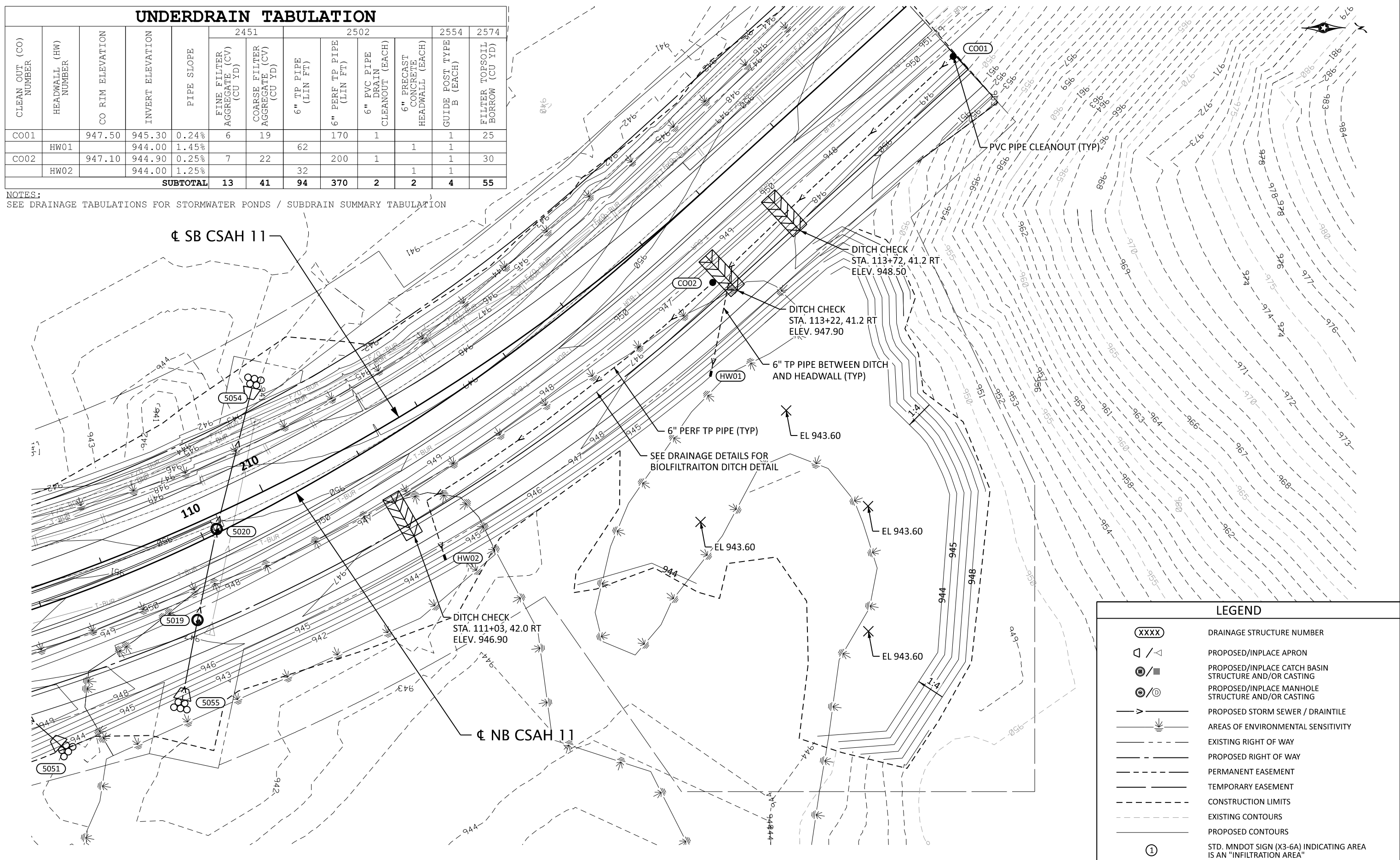
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SHEET
169
OF
243

UNDERDRAIN TABULATION

CLEAN OUT (CO) NUMBER	HEADWALL (HW) NUMBER	CO RIM ELEVATION	INVERT ELEVATION	PIPE SLOPE	2451		2502			2554	2574	
					FINE FILTER AGGREGATE (CV) (CU YD)	COARSE FILTER AGGREGATE (CV) (CU YD)	6" TP PIPE (LIN FT)	6" PERF TP PIPE (LIN FT)	6" PVC PIPE DRAIN CLEANOUT (EACH)	6" PRECAST CONCRETE HEADWALL (EACH)	GUIDE POST TYPE B (EACH)	FILTER TOPSOIL BORROW (CU YD)
CO01		947.50	945.30	0.24%	6	19		170	1		1	25
	HW01		944.00	1.45%			62			1		
CO02		947.10	944.90	0.25%	7	22		200	1		1	30
	HW02		944.00	1.25%			32			1		
SUBTOTAL					13	41	94	370	2	2	4	55

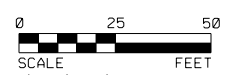
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PROPOSED CONTOUR PLANS