

RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION PROJECT
 PORTIONS OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST,
 SECTION 36, TOWNSHIP 22 NORTH, RANGE 6 EAST, AND SECTION 31, TOWNSHIP 22 NORTH, RANGE 7 EAST, W.M.
 KING COUNTY, WASHINGTON
 COVER SHEET

LEGAL DESCRIPTION:

THE EAST 1/2 OF SEC. 1, TWP 21 N, RGE 6 E, W.M.

VERTICAL DATUM:

NAVD 88

KING COUNTY POINT NUMBER 6201 NORTHEAST SECTION CORNER OF SECTION 36, TOWNSHIP 22N, RANGE 6 E, ELEVATION BEING 623.74

BASIS OF BEARING:

BEARING IS BASED OFF RECORD OF SURVEY AFN NO. 9303159008

SITE DATA:

LOCATED IN THE 26900 BLOCK OF SE RAVENSDALE WAY, RAVENSDALE WA., KING COUNTY.

N.P.D.E.S. NOTE:

NO CONSTRUCTION OR SITE DISTURBANCE FOR THIS PROJECT MAY BEGIN BEFORE THE APPLICANT FIRST OBTAINS A GENERAL PERMIT TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY PERMIT FROM THE WASHINGTON STATE DEPARTMENT OF ECOLOGY (DOE).

PLAN NOTES:

1. FILLING SHALL OCCUR ON ONE TRENCH AT A TIME TO MINIMIZE POTENTIAL EROSION ISSUES.
2. EXISTING PROPERTY LINES AND EASEMENTS WERE OBTAINED FROM KING COUNTY ASSESSOR'S MAPS.

NOTES:

SOILS MAP PER "RAVENSDALE MINE TRENCH" BY GENESIS RESOURCE CONSULTING DATED NOV. 28 2007.

PARCEL NUMBER:

- 3122079040
- 3122079080
- 3122079035
- 3622069009
- 3622069064
- 0121069001
- 0121069007

TRENCH	FILL (CY±)
E	210,285
TOTAL	210,285

EARTHWORK:

THIS CALCULATION IS FOR REVIEW AND PERMIT PURPOSES ONLY. CONTRACTOR SHALL DO THEIR OWN CALCULATION BASED ON THE INFORMATION PROVIDED WITHIN THESE PLANS.

THE QUANTITIES MAY VARY BASED ON THE FOLLOWING FACTORS:

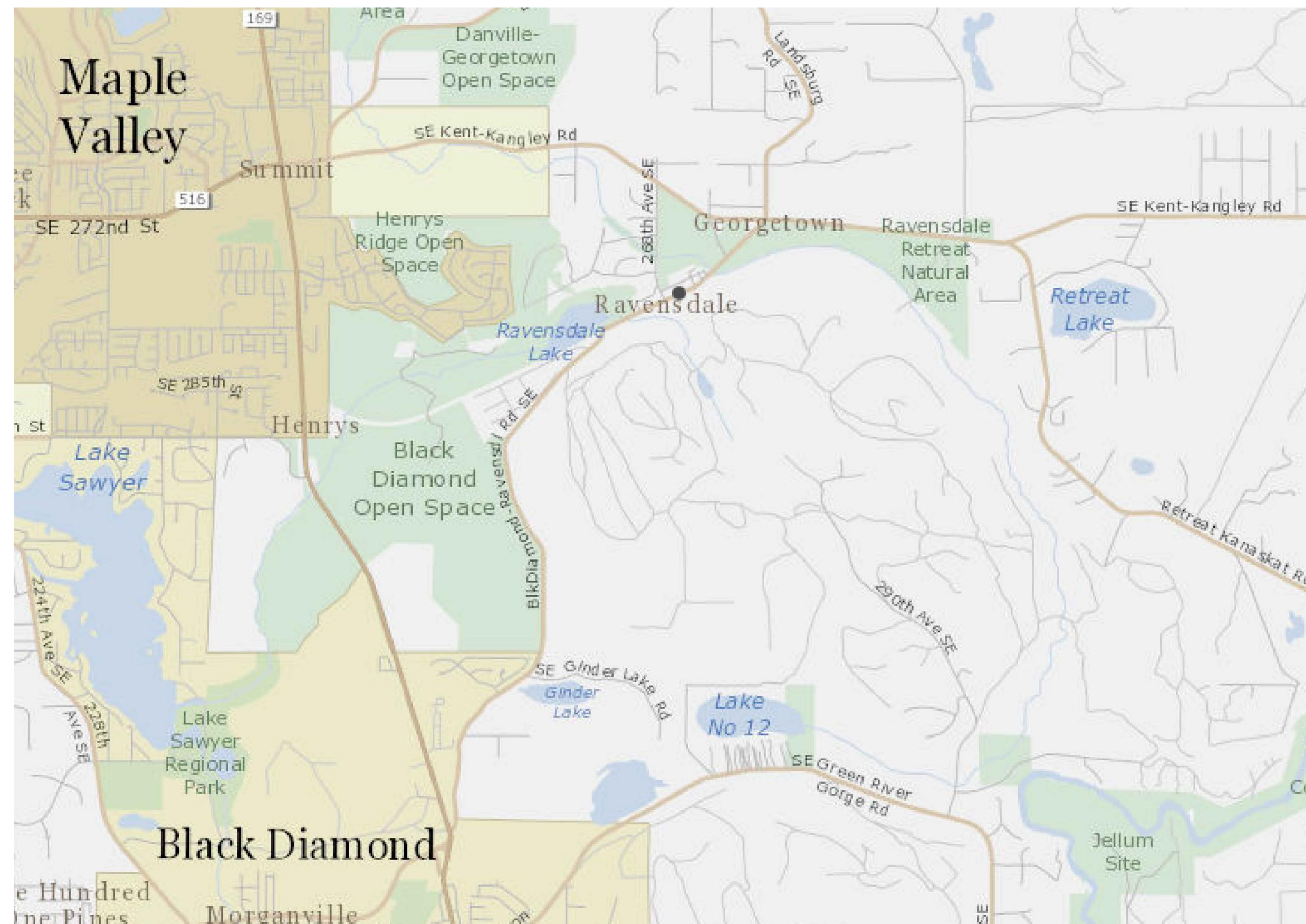
1. SHRINK/SWELL OF SOILS.
2. SURFACE STRIPPING.
3. VARIANCE OF STRUCTURAL MATERIAL REQUIRED FOR ACCESS ROADS.

UTILITIES:

TELEPHONE: NONE
 CABLE: NONE
 SCHOOL: TAHOMA #409
 FIRE PROTECTION: K.C. FIRE PROTECTION DISTRICT #43
 GAS: NONE

TOPOGRAPHIC NOTE:

THE EXISTING CULTURAL AND TOPOGRAPHIC DATA SHOWN ON THESE DRAWINGS HAS BEEN PREPARED, IN PART, BASED UPON INFORMATION FURNISHED BY DAN PRICE LAND SURVEYING AND APEX ENGINEERING PLLC. WHILE THIS INFORMATION IS BELIEVED RELIABLE, CONTOUR ENGINEERING CANNOT ENSURE ITS ACCURACY AND THIS IS NOT RESPONSIBLE FOR THE ACCURACY OF THAT INFORMATION OR FOR ANY ERRORS OR OMISSIONS WHICH MAY HAVE BEEN INCORPORATED INTO THESE DRAWINGS AS A RESULT.



VICINITY MAP

SCALE: 1" = 2000'

SHEET INDEX:

SHEET 1	COVER SHEET
SHEET 2	TRENCH AND PARCEL LOCATIONS MAP
SHEET 3	NOTES AND DETAILS
SHEET 4	T.E.S.C. NOTES AND DETAILS
SHEET 5	TRENCH - E GRADING AND T.E.S.C. PLAN
SHEET 6	TRENCH - E GRADING PROFILE SECTIONS
SHEET 7	TRENCH - E GRADING PROFILE SECTIONS
SHEET 8	TRENCH - E GRADING PROFILE SECTIONS

TRENCH NOTES:

IF WORKERS ENTER ANY TRENCH OR OTHER EXCAVATION FOUR OR MORE FEET IN DEPTH THAT DOES NOT MEET THE OPEN PIT REQUIREMENTS OF WSDOT SECTION 2-09.3(3)B, IT SHALL BE SHORED AND CRIBBED. THE CONTRACTOR IS ALONE RESPONSIBLE FOR WORKER SAFETY. ALL TRENCH SAFETY SYSTEMS SHALL MEET THE REQUIREMENTS OF THE WASHINGTON INDUSTRIAL SAFETY AND HEALTH ACT, CHAPTER 49.17 RCW.

UTILITY NOTES:

EXISTING UTILITY INFORMATION DEPICTED ON THESE PLANS WAS OBTAINED FROM BEST AVAILABLE SOURCES AT THE TIME OF DESIGN. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE RELOCATION OF EXISTING UNDERGROUND CONFLICTING UTILITIES DEPICTED OR NOT DEPICTED ON THESE PLANS.

FILL SPECIFICATION:

FILL MATERIAL SHALL NOT CONTAIN PETROLEUM PRODUCTS, OR SUBSTANCES WHICH ARE HAZARDOUS, DANGEROUS, TOXIC, OR WHICH OTHERWISE VIOLATE ANY STATE, FEDERAL, OR LOCAL LAW ORDINANCE, CODE, REGULATION, RULE, ORDER, OR STANDARD. ONLY EARTH MATERIAL SHALL BE PLACED IN FILLS.

ONE CALL AT 1-800-424-5555

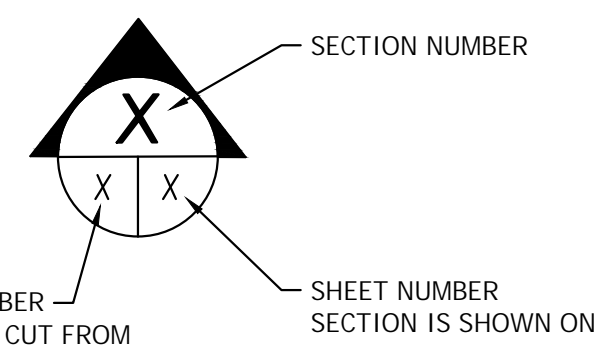
UNDERGROUND UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE, AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURE. TO DETERMINE ACTUAL LOCATIONS, SIZE, AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 1-800-424-5555, AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

(Note to Engineer: This approval signature block not required for cover page.)

KING COUNTY DDES APPROVAL	
Review Engineer	Date
Senior Engineer	Date
Wally Archuketa, P.E. DEVELOPMENT ENGINEER	Date

LEGEND:

	PROPOSED GRAVEL ACCESS ROAD
	EXISTING WETLAND
	PROPOSED EASEMENT
	LOT BOUNDARY LINES



Notice Required

Contractors shall notify operators who maintain underground utility lines in the area of proposed excavation or blasting at least two business days, but not more than ten working days prior to commencement of excavation or demolition in accordance with RCW Title 19. Names and telephone numbers of the operators of underground utility lines in this project appear below. These numbers shall also be used to serve in an emergency conditions as required.

	Phone
Sanitary Sewer	
Water District	
Gas Company	
Power Company	
Call Before You Dig	DIAL-A-DIG 1-800-424-5555

Notes

1. The Developer is required to notify the Land Use Services Division, Land Use Inspection Section (206) 296-6642, three days prior to the beginning of construction for a preconstruction conference and specifically request inspection before beginning:
 - A. Installing siltation and erosion control measures
 - B. Clearing and grubbing
 - C. Earthwork
 - D. Installation of any underground utility
 - E. Before placing subbase, base or paving surfaces
 - F. Installation of any forms or placing any concrete
2. A permit must be obtained from the office of the Resident Engineer, Washington State Department of Transportation, before any construction is started on any existing state route.
3. A Hydraulic Project Approval (HPA) Permit must be obtained from the Washington State Department of Fisheries prior to any work when required.

Bonding Information

Restoration Bond Amount \$ _____
 Performance Bond Amount \$ _____

Site Plan Approval

Approval of these plans is for construction of road and drainage improvements, site drainage & grading and temporary erosion control in unincorporated King County only. These plans do not authorize any other utility approval or improvements proposed in any State right of way.

Site plan approval is void if the commercial building permit has not been obtained or renewed within two years of approval.

Subdivision plan approval is void if the final plat is not recorded prior to the preliminary plat approval expiration.

PRO RATA SHARE ASSESSMENT ANALYSIS
(County Use Only)

Section	Township	Range	Tax Parcel	Number

Site Location is within the _____ drainage shed(s)
 Pro Rata Share Assessment(s) are: Required Not Required
 from the site due to development for increased storm water runoff.
 Peak Runoff Assessment Rate(\$ _____) per c.f.s. increases.(10 year, 2 hour storm)
 Peak Volume Assessment Rate(\$ _____) per Ac. Ft. increases.(2 year, 2 hour storm)

AGREEMENTS, PLAN REFERENCES, PERMITS ETC.
(To be completed by Consultant)

Preliminary Plat Approval/Permit Issued Date: _____
 Expiration Date: _____
 Other Related Permit Numbers Received:
 Right-of-Way Use Permit _____
 Grading _____
 Building/Structural _____
 Other _____
 Board feet of tree removal on site: _____
 Cubic yards of material hauled on/off the site: _____
 Is this a highly sensitive area site? (Yes/No): _____
 Note: If "yes", per SWDM Appendix D44 a Highly Sensitive Site Erosion Control Supervisor is required. See ESC plan.

Emergency 911

Police-Fire-Rescue

RECOMMENDED FOR APPROVAL
(To be completed by King County)

Date	
_____	Review Engineer
_____	Senior Engineer
_____	Traffic & Planning Engineer
_____	Sensitive Areas
_____	Structural Review Engineer
_____	Other



APPROVED FOR CONSTRUCTION
 DEPARTMENT OF DEVELOPMENT & ENVIRONMENTAL SERVICES

Date _____ Molly A. Johnson, P.E.
 Development Engineer

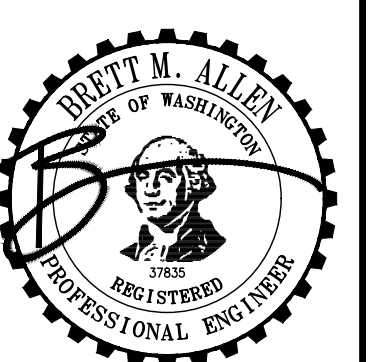
PROJECT CONTACT INFORMATION
(To be completed by Consultant)

Applicant Contract Owner	Name _____	Phone _____
<input type="checkbox"/> Lease	Address and Zip Code _____	
Ownership	RAVENSDALE LLC (KURT ERICKSON)	<input type="checkbox"/> A Partnership <input type="checkbox"/> An Individual (253) 606-6060
<input type="checkbox"/> Trustee	Name _____	Phone _____
<input type="checkbox"/> Owner	41306 90TH AVENUE E, EATONVILLE, WA 98328	
<input type="checkbox"/> Certified Surveyor or Engineer	Address and Zip Code _____	<input type="checkbox"/> A Corporation <input type="checkbox"/> A Partnership <input type="checkbox"/> An Individual (253) 857-5454
	CONTOUR ENGINEERING LLC (BRETT ALLEN)	Phone _____
	3309 56TH STREET NW, SUITE 106, GIG HARBOR, WA 98335	
	Address and Zip Code _____	

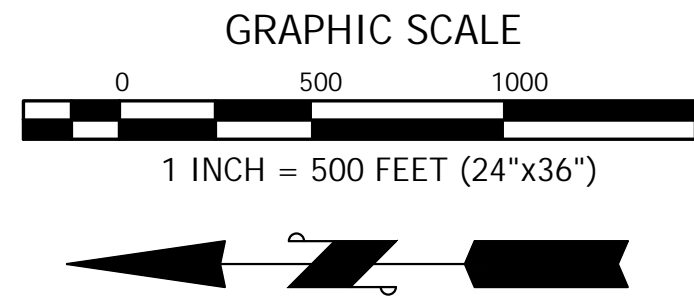
CONTOUR ENGINEERING • L.L.C.
 CIVIL ENGINEERS - SURVEYORS - LAND PLANNERS
 3309 56th Street NW, Suite 106 Gig Harbor, WA 98335
 Phone: 253-857-5454 - Fax: 253-509-0044 - info@contourpllc.com

RAVENSDALE TRENCH FILLING COVER SHEET

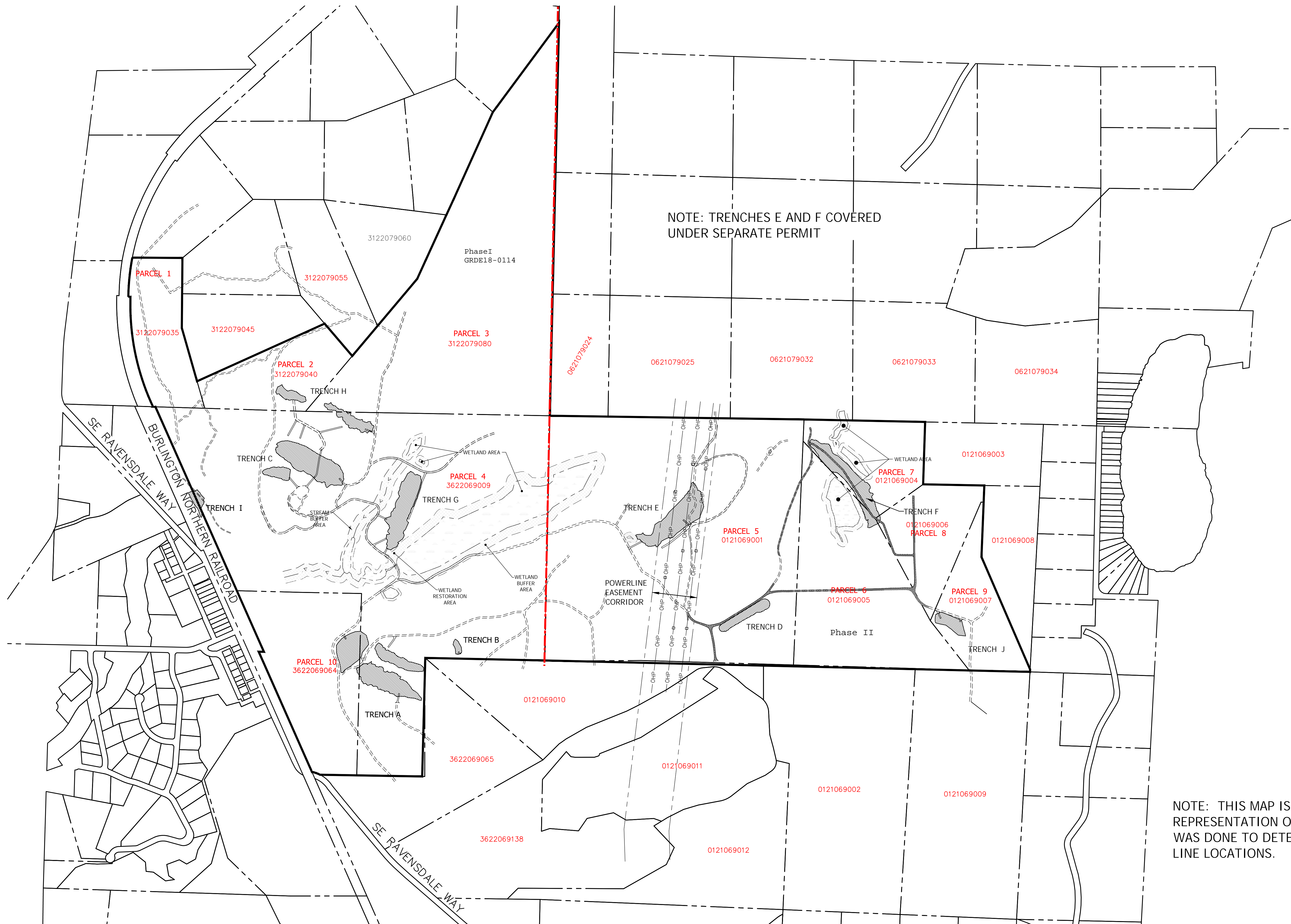
DDES FILE NUMBERS:
 Activity Number: _____
 Project Number: _____
 Development No: _____



12.07.2020



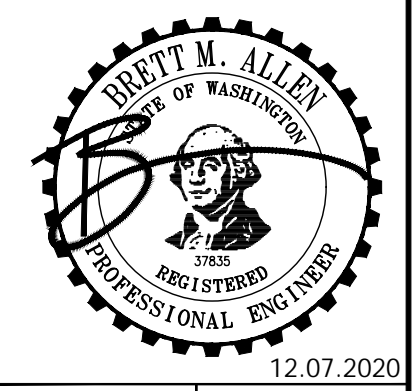
RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION PROJECT Phase II
 PORTIONS OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST,
 SECTION 36, TOWNSHIP 22 NORTH, RANGE 6 EAST, AND SECTION 31, TOWNSHIP 22 NORTH, RANGE 7 EAST, W.M.
 KING COUNTY, WASHINGTON



NOTE: THIS MAP IS A GRAPHICAL REPRESENTATION ONLY, NO SURVEYING WAS DONE TO DETERMINE PROPERTY LINE LOCATIONS.

REVISION	DESCRIPTION	DATE	BY

CONTOUR
 ENGINEERING • L.L.C.
 CIVIL ENGINEERS - SURVEYORS - LAND PLANNERS
 3309 56th Street NW, Suite 106 Gig Harbor, WA 98335
 Phone: 253-857-5454 - Fax: 253-509-0044 - info@contourplc.com



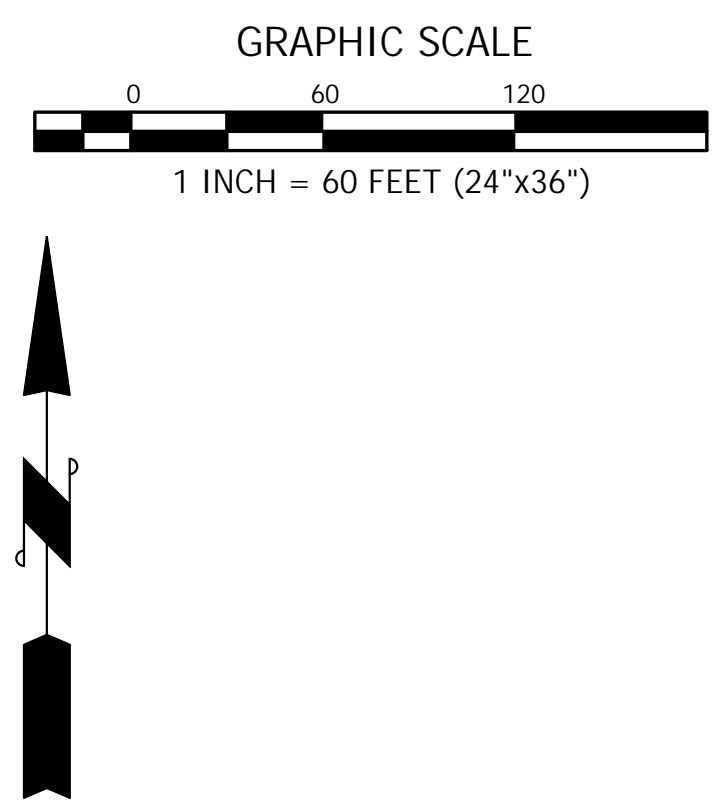
SHEET TITLE: TRENCH AND PARCEL LOCATIONS MAP
 RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION
 CLIENT: RAVENSDALE LLC
 10000 SE RAVENSDALE WAY SUITE E
 EATONVILLE, WA 98328
 CONTACT: KURT ERICKSON PHONE: (253) 606-6060

DESIGNER: J. RAUSCH
 ENGINEER: B. ALLEN
 DRAWN: J. RAUSCH
 SW-SE 01 T21N R6E WM
 DATE: 12.07.2020
 REVISED:

PROJECT: 09-040
 DWG NAME: 09-040-C

SHEET	REV.
C2	
2 OF 8	

RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION PROJECT
 PORTIONS OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST,
 SECTION 36, TOWNSHIP 22 NORTH, RANGE 6 EAST, AND SECTION 31, TOWNSHIP 22 NORTH, RANGE 7 EAST, W.M.
 KING COUNTY, WASHINGTON



CONSTRUCTION NOTES:

- 1 LIMIT OF WORK, CLEARING/GRADING LIMITS AS SHOWN
- 2 LOCATE FILTER FABRIC FENCE AS CLOSE TO CLEARING LIMITS AS PRACTICAL.
- 3 UNDISTURBED AREAS.
- 4 WETLAND BUFFER DO NOT DISTURB.
- 5 MAINTAIN EXISTING GRAVEL ACCESS ROAD.
- 6 ARMOR PER GEOTECHNICAL ENGINEER REQUIREMENTS.
- 7 FIELD LOCATE ACTUAL WETLAND AND BUFFER PRIOR TO ANY FILLING. ADJUST EDGE OF FILL/TOE SLOPE TO KEEP ALL WORK OUTSIDE OF BUFFER.

PLAN NOTES:

1. SEE PLANTING NOTES SHEET C3.
2. 5' WIDE BENCH VERTICAL SEPARATION PER GEOTECHNICAL ENGINEER REQUIREMENTS.
3. ACTUAL LOCATION OF TOE OF SLOPE VARIES TO ALLOW WORKING AREA/CLEARANCE. TOE OF SLOPE SHALL NOT ENCR OACH INTO WETLAND BUFFER.
4. ACCESS ROADS SHOW ARE FOR REFERENCE ONLY. LOCATIONS SUBJECT TO BE MODIFIED AS NEEDED FOR FILLING OPERATIONS.
5. ALL CONSTRUCTION ENTRANCES AND NEW ACCESS POINTS ASSOCIATED WITH THIS PROJECT ARE TO BE RESTORED TO THE ORIGINAL CONDITION AFTER CONSTRUCTION HAS ENDED.

TESC LEGEND:

- AP TEMPORARY ACCESS POINT - AFTER COMPLETION OF PROJECT, ROADBED IS TO BE REMOVED - AREA TO BE HYDROSEED & REFORESTED PER FOREST PRACTICE REQUIREMENTS
- FF FILTER FABRIC FENCE SEE NOTES AND DETAIL SHEET C4
- DI INTERCEPTOR DITCHES
- ML HYDROSEED, FERTILIZER, AND MULCH SEE NOTES SHEET C3
- CL CLEARING/CONSTRUCTION LIMITS
- EB EROSION CONTROL BLANKET

QUARRY SPALL NOTE

QUARRY SPALLS UTILIZED FOR "ROCK LINING" FOR INTERCEPTOR DITCHES SHALL MEET THE FOLLOWING GRADATION:
 · PASSING 8-INCH SQUARE SIEVE 100%
 · PASSING 3-INCH SQUARE SIEVE 40-60% MAX
 · PASSING 3/4-INCH SQUARE SIEVE 0-10% MAX

GRADING BENCH NOTE

IF SLOPES ARE GRADED AT 2:1, THEN A 6' GRADING BENCH IS REQUIRED AS SHOWN EVERY 30' OF VERTICAL DROP, AS SHOWN ON PLANS.

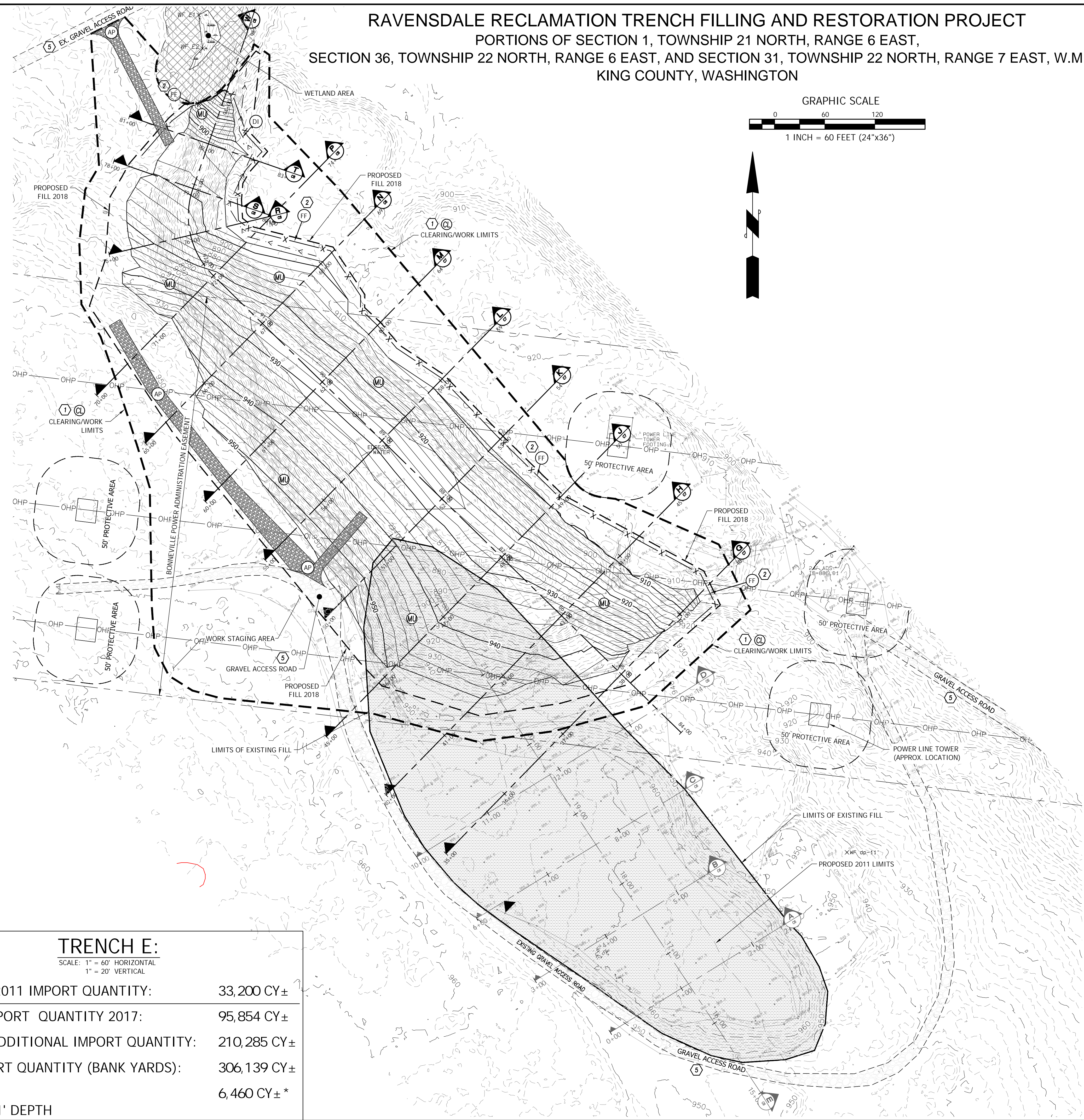
IF SLOPES ARE GRADED AT 3:1, THEN NO BENCH IS REQUIRED PENDING GEOTECHNICAL APPROVAL.

VERIFICATION NOTE

ALL EXISTING UTILITIES IN THE CONSTRUCTION AREA SHALL BE IDENTIFIED AND VERIFIED FOR DEPTH AND LOCATION PRIOR TO ANY CONSTRUCTION ACTIVITIES SO TO IDENTIFY ANY POTENTIAL CONFLICTS WITH PROPOSED CONSTRUCTION. CONTACT PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE IDENTIFIED.

PRIOR TO ANY CONSTRUCTION ACTIVITIES, VERIFY EXISTING TOPOGRAPHY IS CONSISTENT WITH WHAT IS SHOWN ON PLANS AND IF THERE ARE ANY POTENTIAL CONFLICTS WITH PROPOSED CONSTRUCTION ACTIVITIES. CONTACT PROJECT ENGINEER IMMEDIATELY IF ANY CONFLICTS ARE IDENTIFIED.

CALL 811 AT LEAST 48 HOURS BEFORE YOU DIG

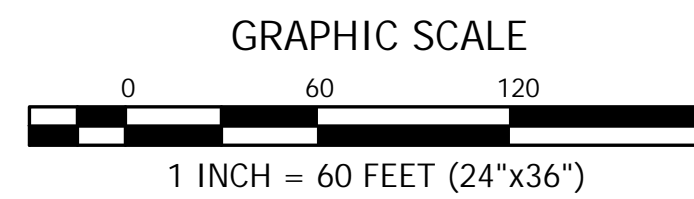


TRENCH E:

SCALE: 1" = 60' HORIZONTAL
 1" = 20' VERTICAL

PERMITTED 2011 IMPORT QUANTITY:	33,200 CY±
AS-BUILT IMPORT QUANTITY 2017:	95,854 CY±
PROPOSED ADDITIONAL IMPORT QUANTITY:	210,285 CY±
TOTAL IMPORT QUANTITY (BANK YARDS):	306,139 CY±
TOP SOIL:	6,460 CY±*
*ASSUMING 1' DEPTH	

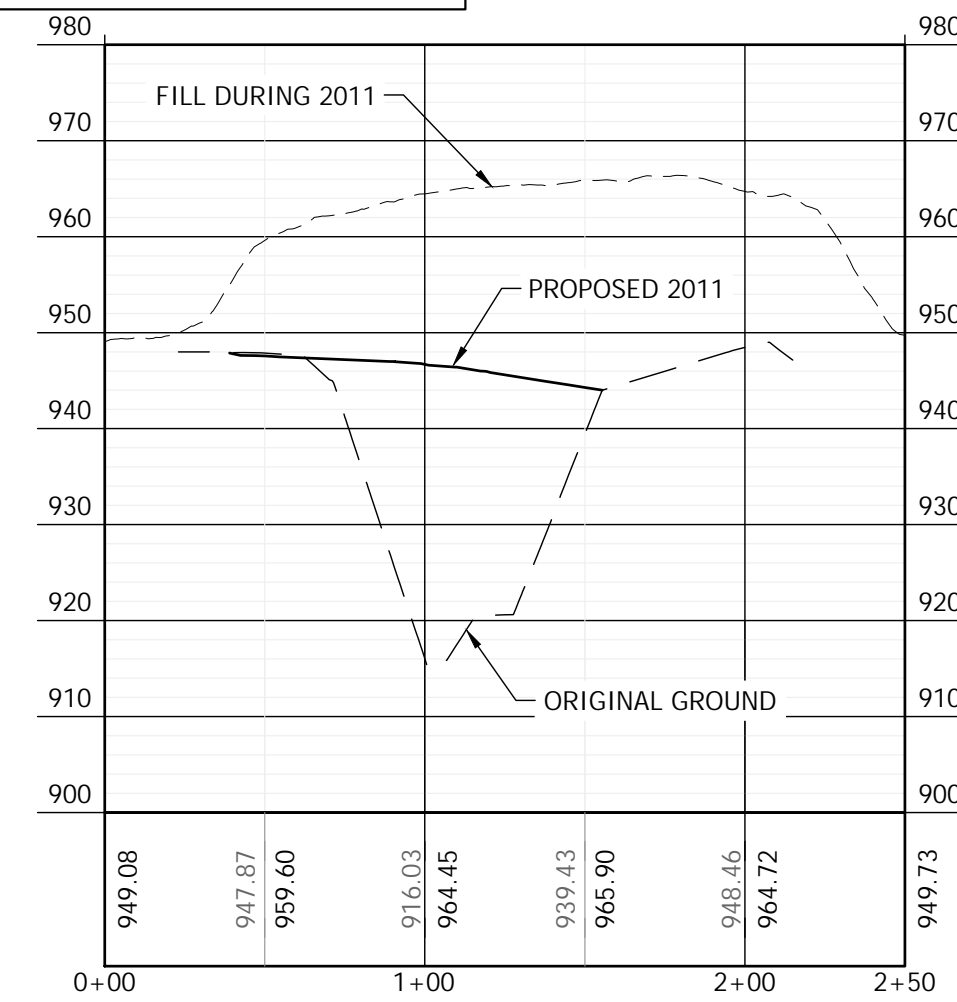
BY	
DATE	
REVISION	
DESCRIPTION	
CONTOUR ENGINEERING - LAND PLANNERS CIVIL ENGINEERS - SURVEYORS 3309 56th Street NW, Suite 106 Gig Harbor, WA 98335 Phone: 253-857-5454 - Fax: 253-509-0044 - info@contourplc.com	
SHEET TITLE: TRENCH - E GRADING AND T.E.S.C PLAN PROJECT: RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION CLIENT: RAVENSDALE LLC EATONVILLE, WA 98328 CONTACT: KURT ERICKSON PHONE: (253) 606-6060	
DESIGNER: J. RAUSCH ENGINEER: B. ALLEN DRAWN: J. RAUSCH SW-SE 01 T21N R6E WM DATE: 12.07.2020 REVISED:	
PROJECT: 09-040 DWG NAME: 09-040-C	
SHEET	REV.
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5 OF 8	



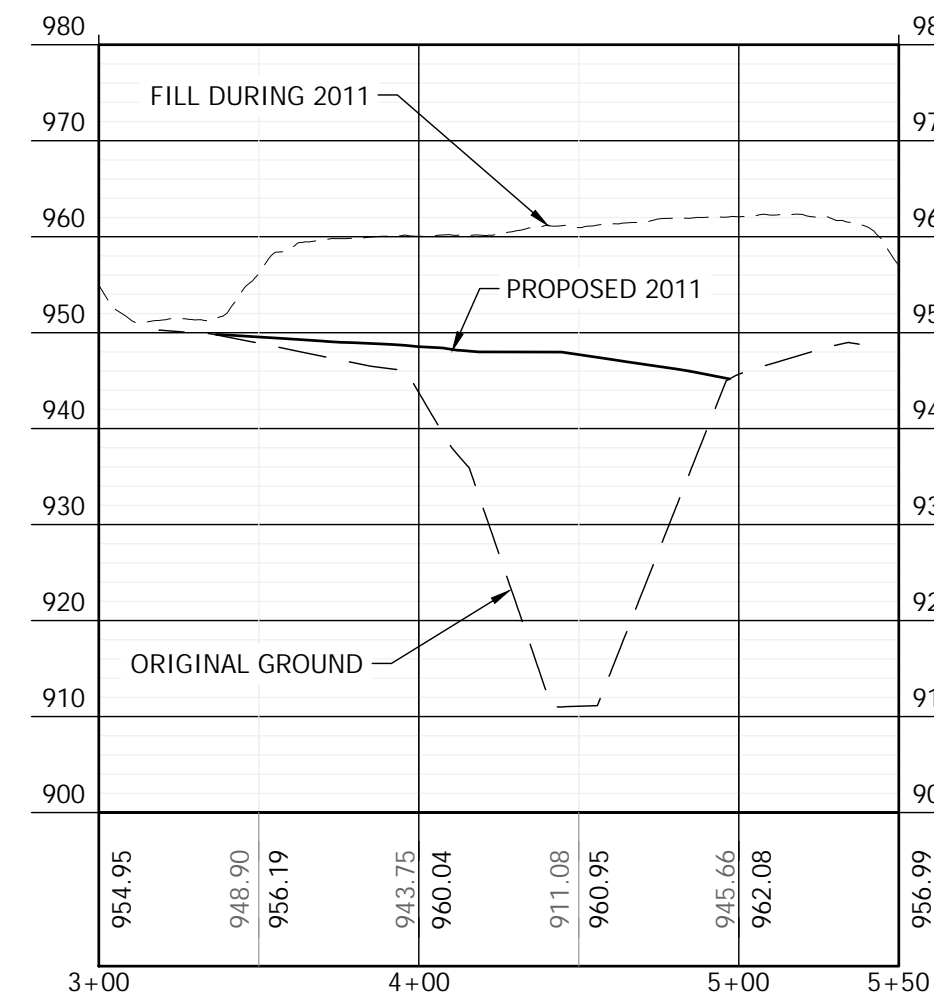
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 KING COUNTY, WASHINGTON



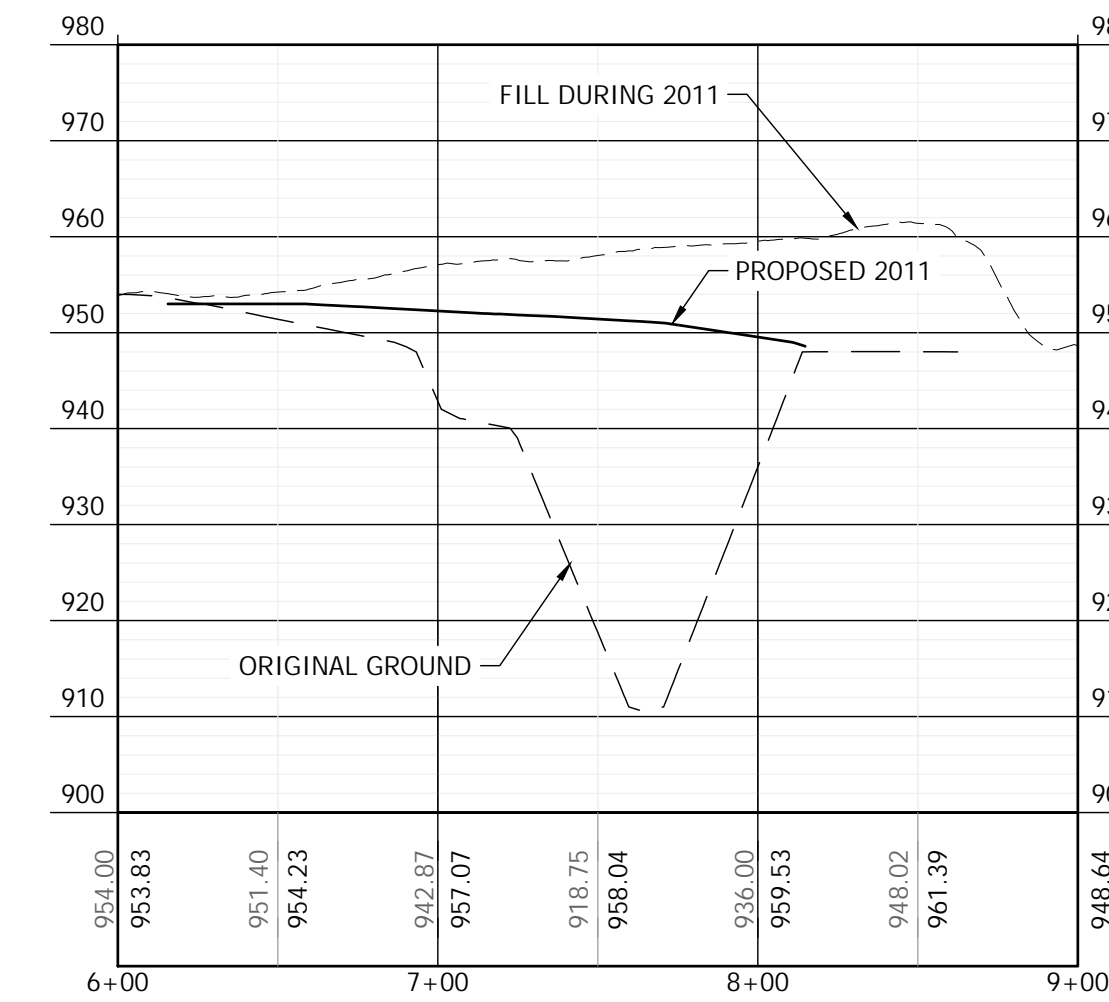
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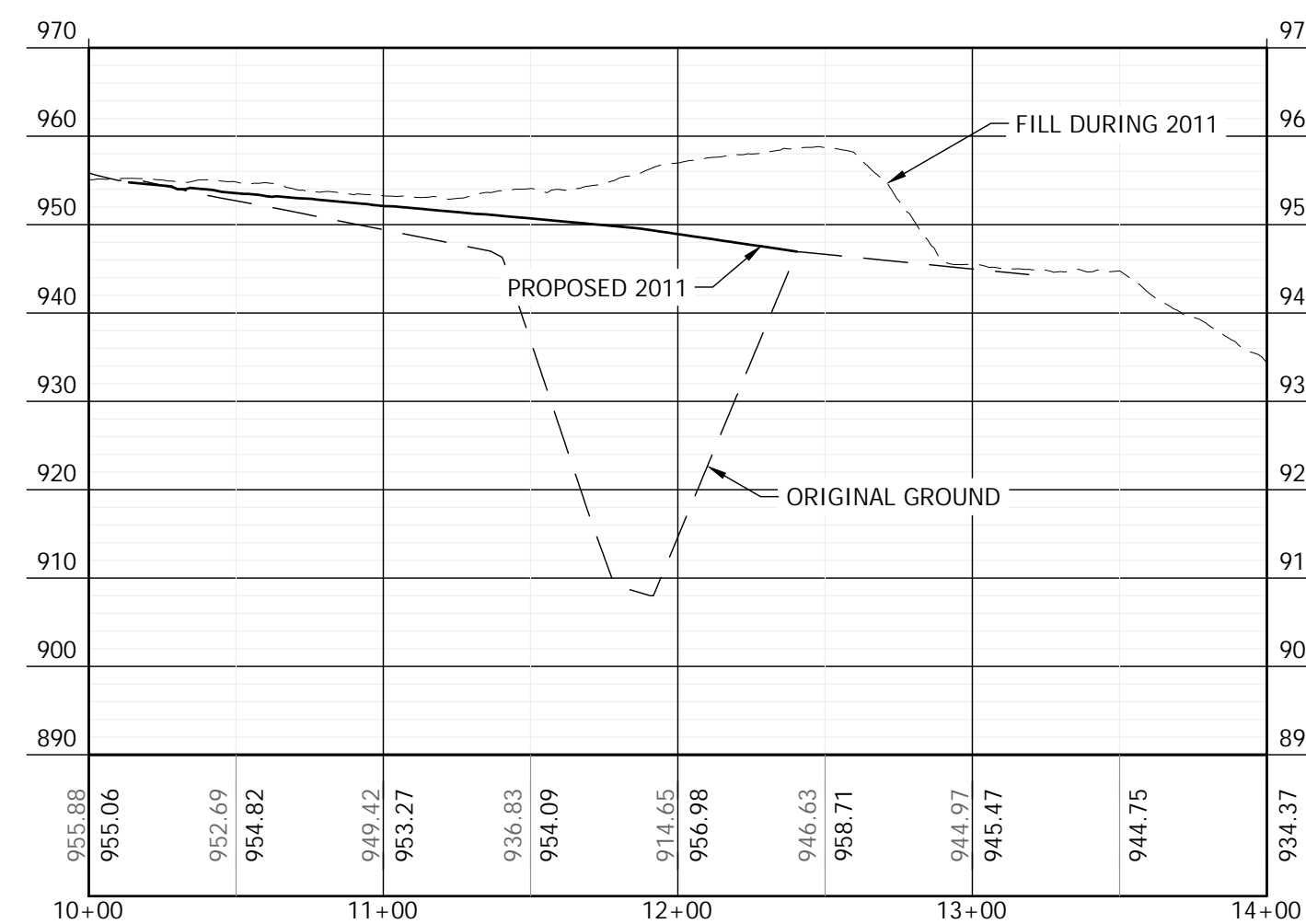
TRENCH E SECTION **A**
C6



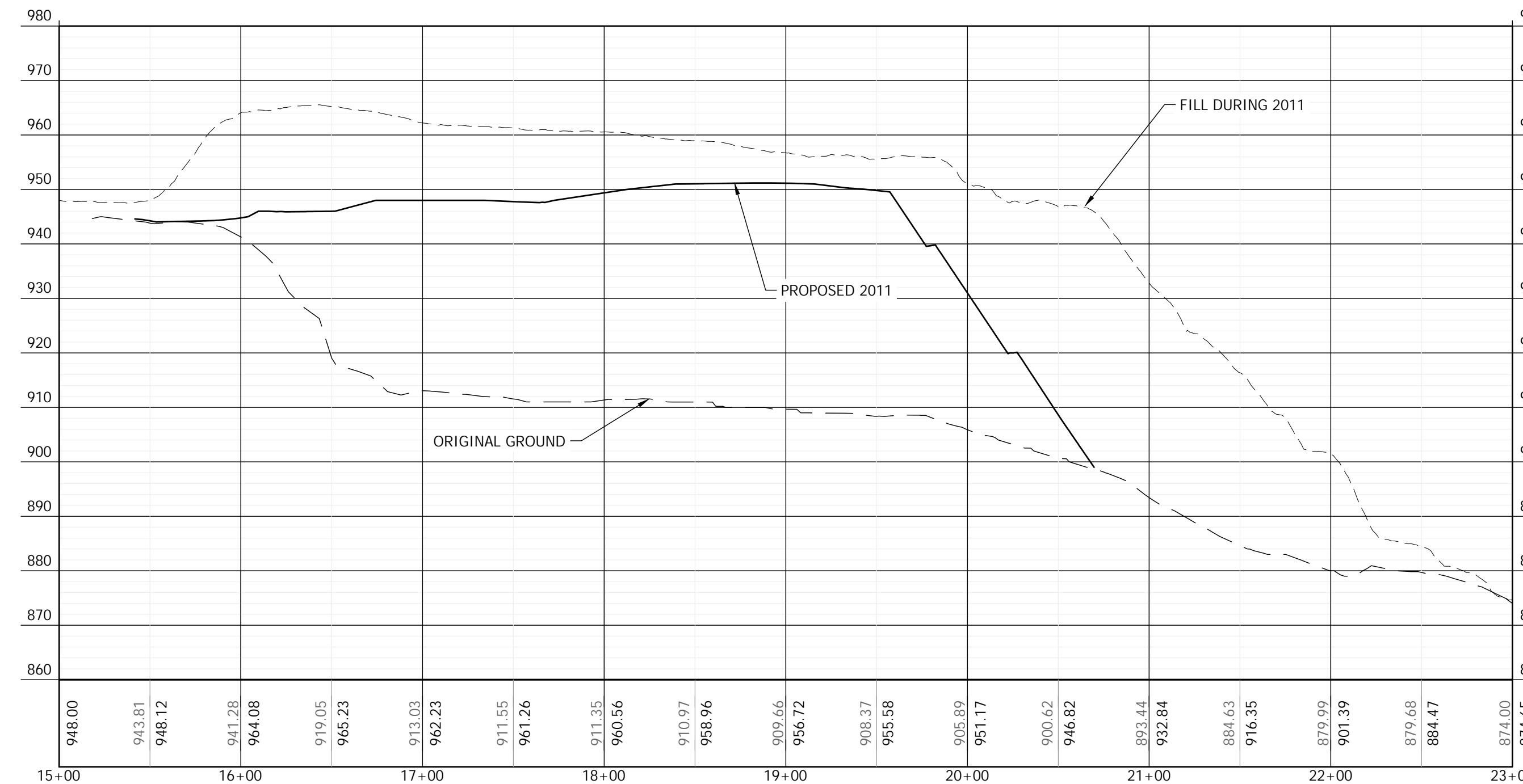
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C6



TRENCH E SECTION **C**
C6



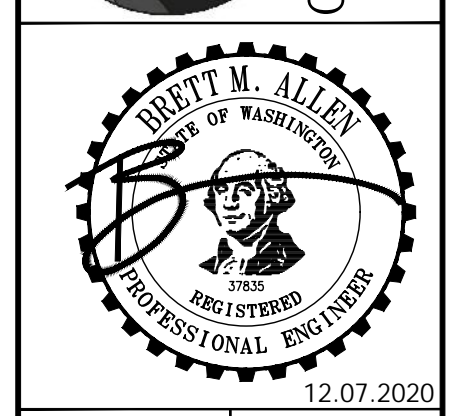
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C6



TRENCH E SECTION **E**
C6

REVISION	DESCRIPTION	DATE	BY

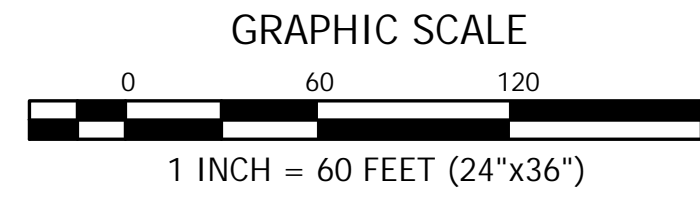
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 Phone: 253-857-5454 - Fax: 253-509-0044 - info@contourplc.com



SHEET TITLE: TRENCH - E GRADING AND PROFILES
 RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION
 CLIENT: RAVENSDALE LLC
 EATONVILLE, WA 98328
 CONTACT: KURT ERICKSON
 PHONE: (253) 606-6060

DESIGNER: J. RAUSCH	ENGINEER: B. ALLEN
DRAWN: J. RAUSCH	SW-SE 01 T21N R6E WM
DATE: 12.07.2020	REVISED:
PROJECT: 09-040	DWG NAME: 09-040-C
SHEET	REV.
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6 OF 8	0

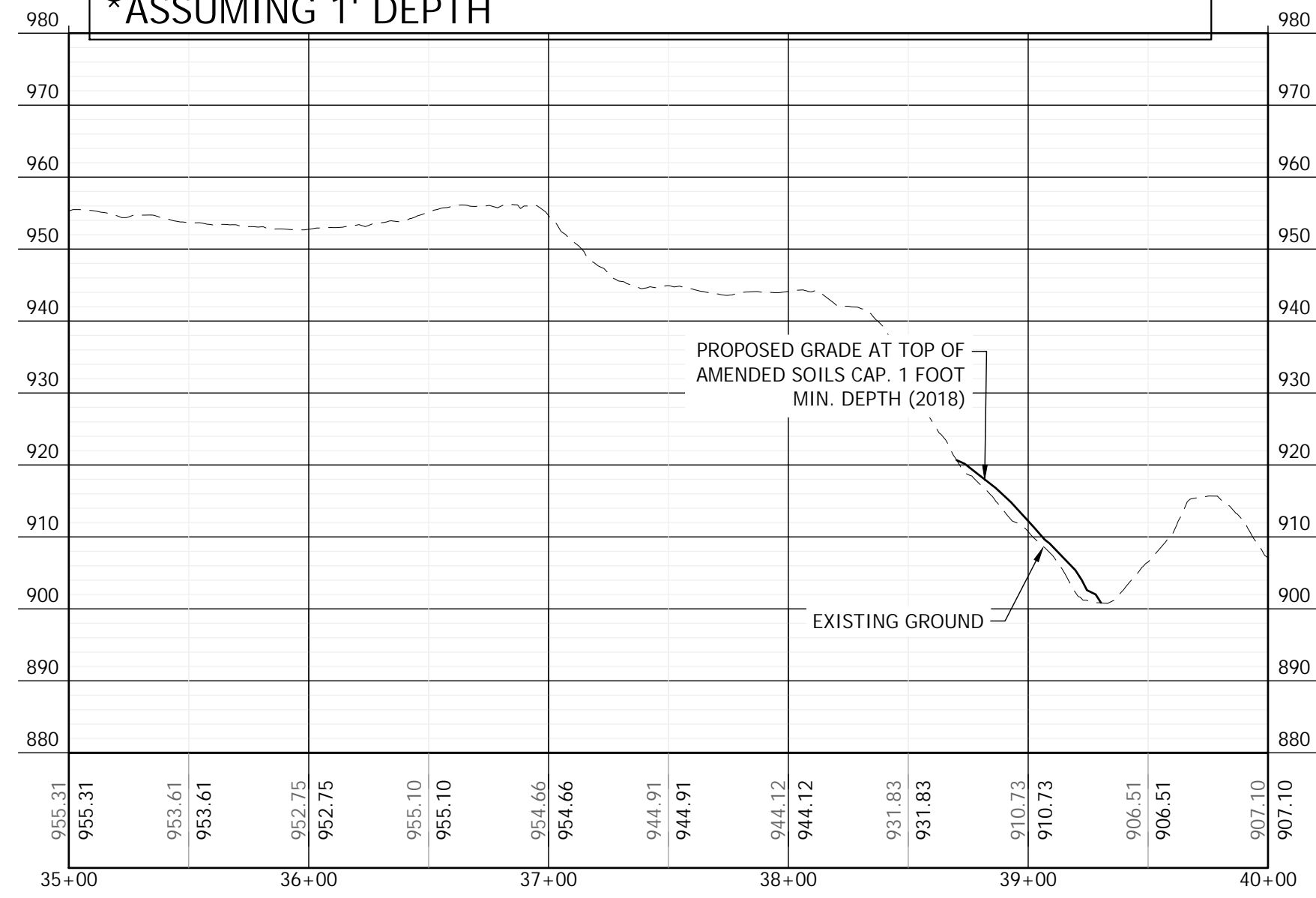
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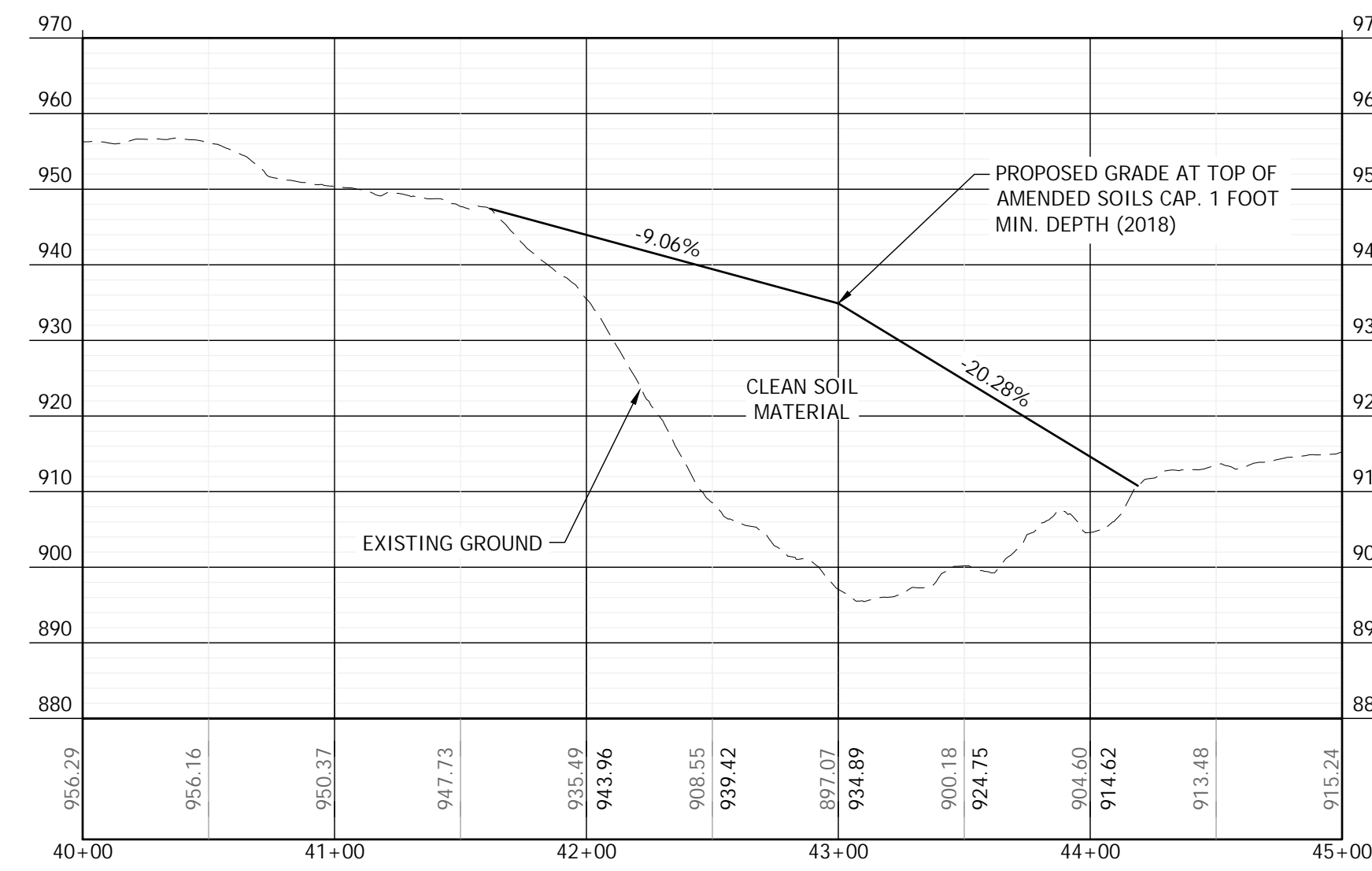
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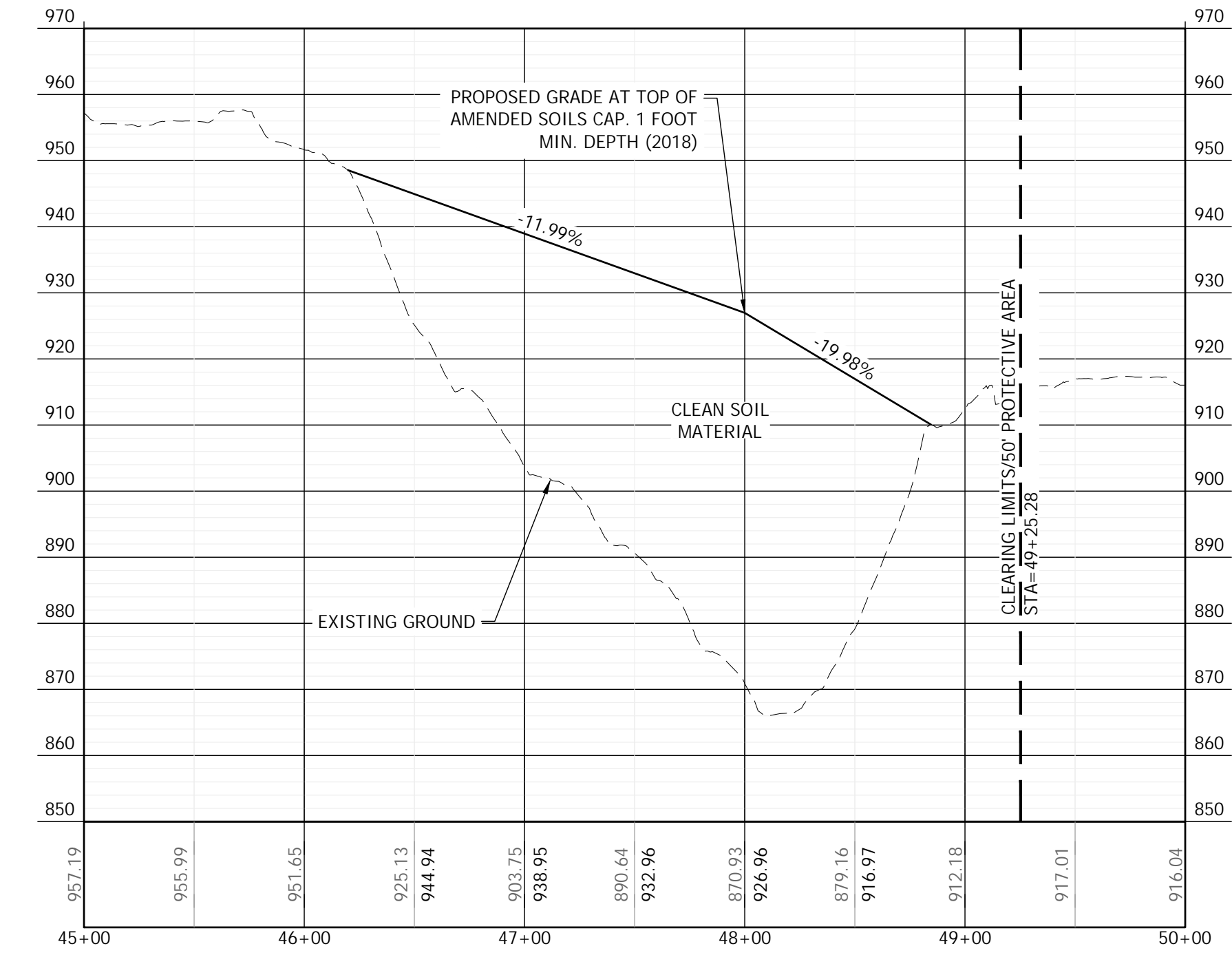
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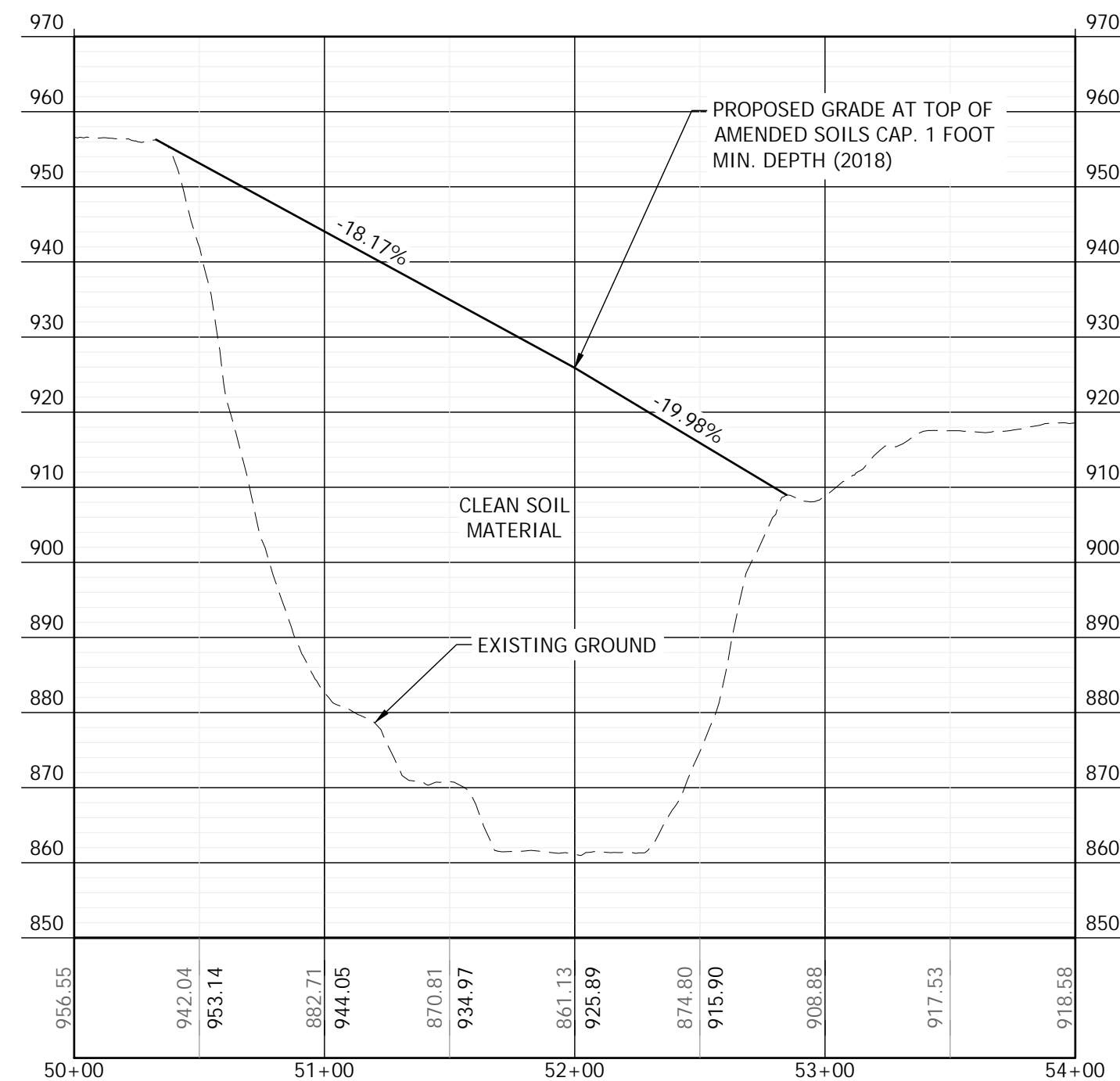
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C7



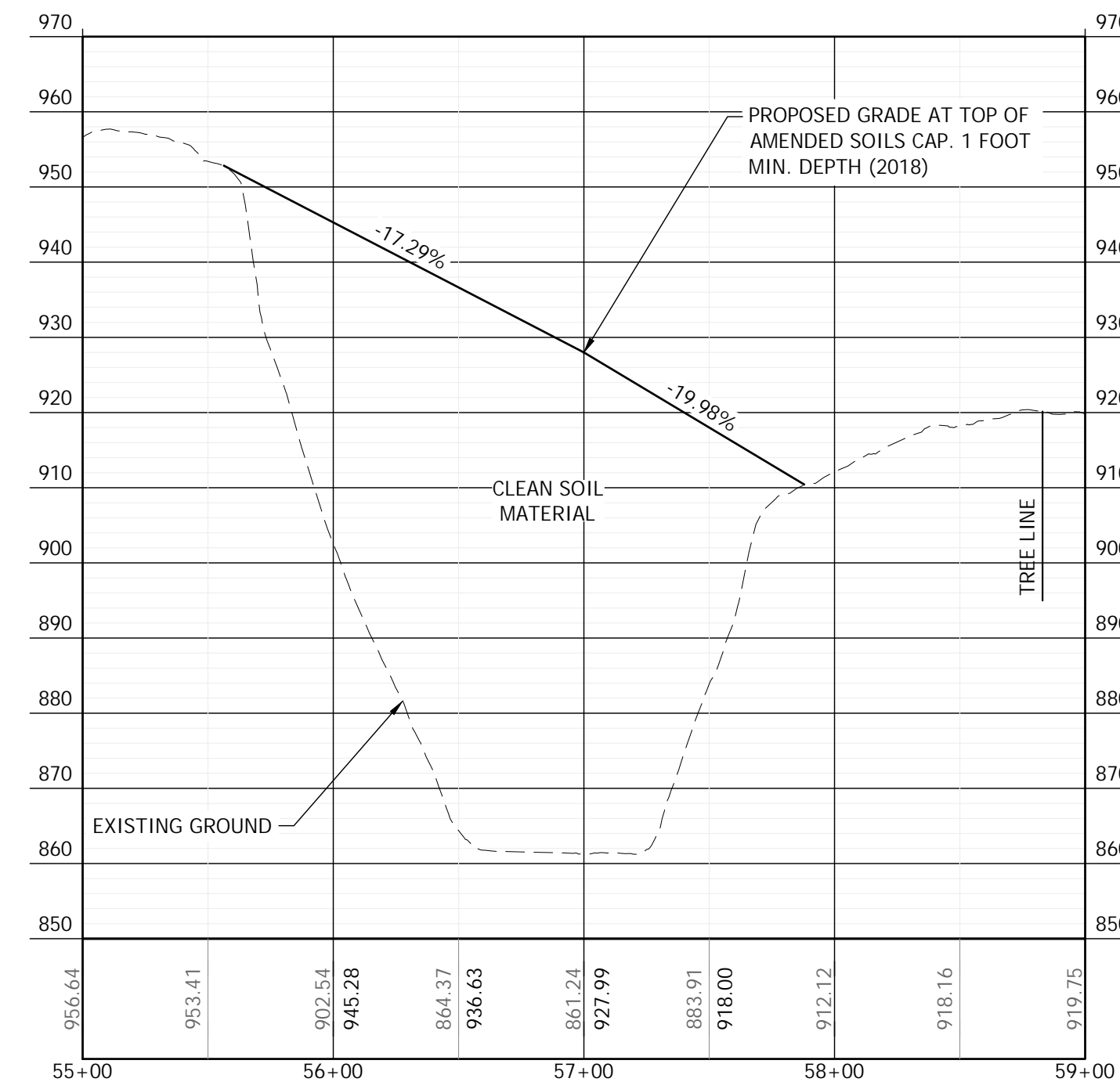
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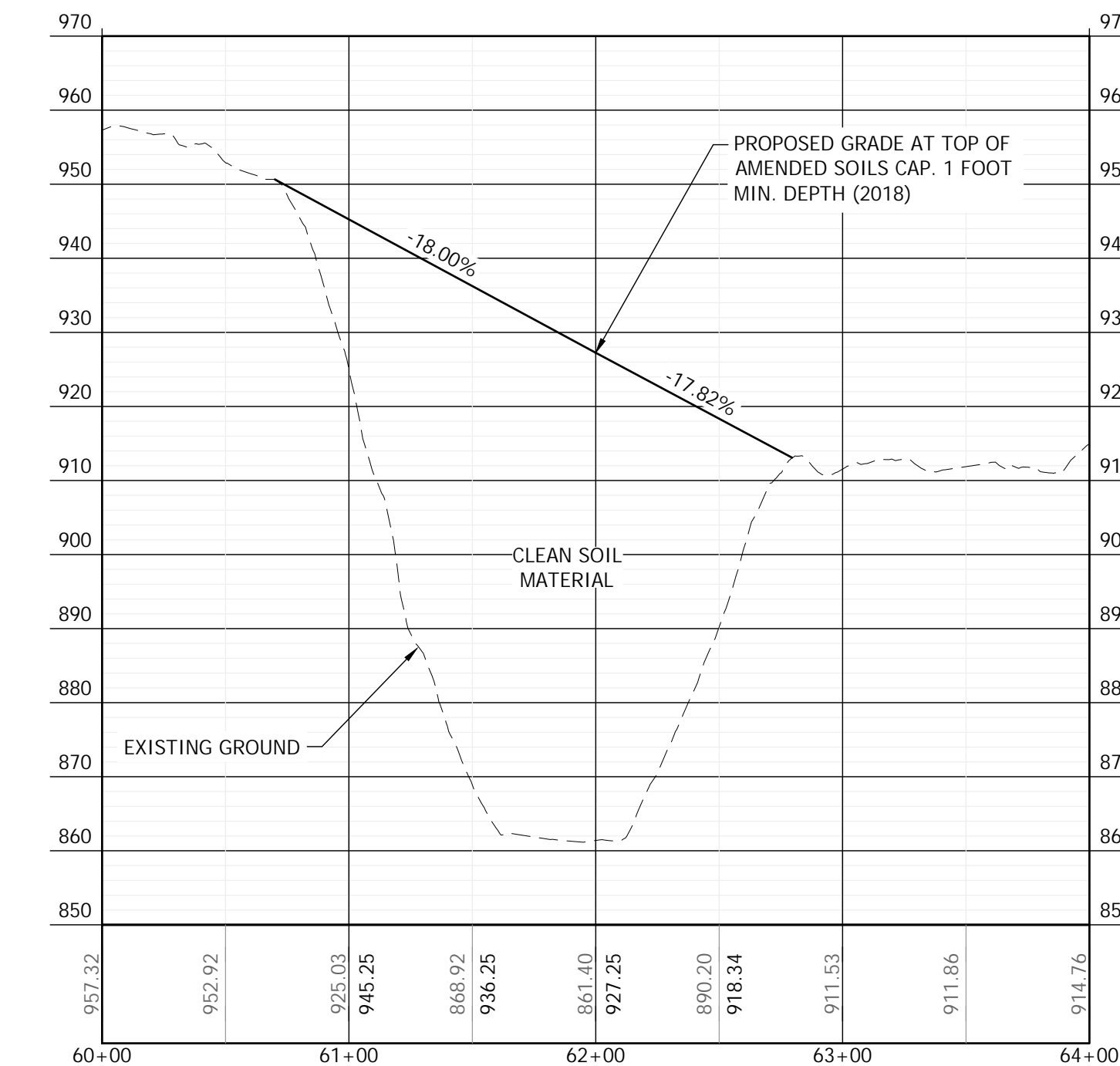
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C16



TRENCH E SECTION **K**
C7



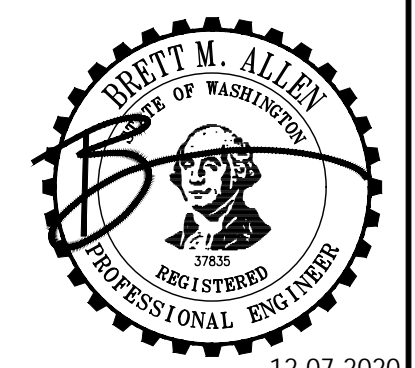
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C7



TRENCH E SECTION **M**
C7

REVISION	DESCRIPTION	DATE	BY

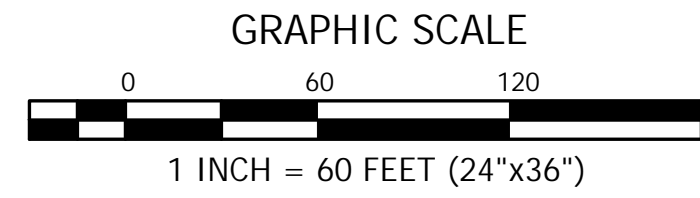
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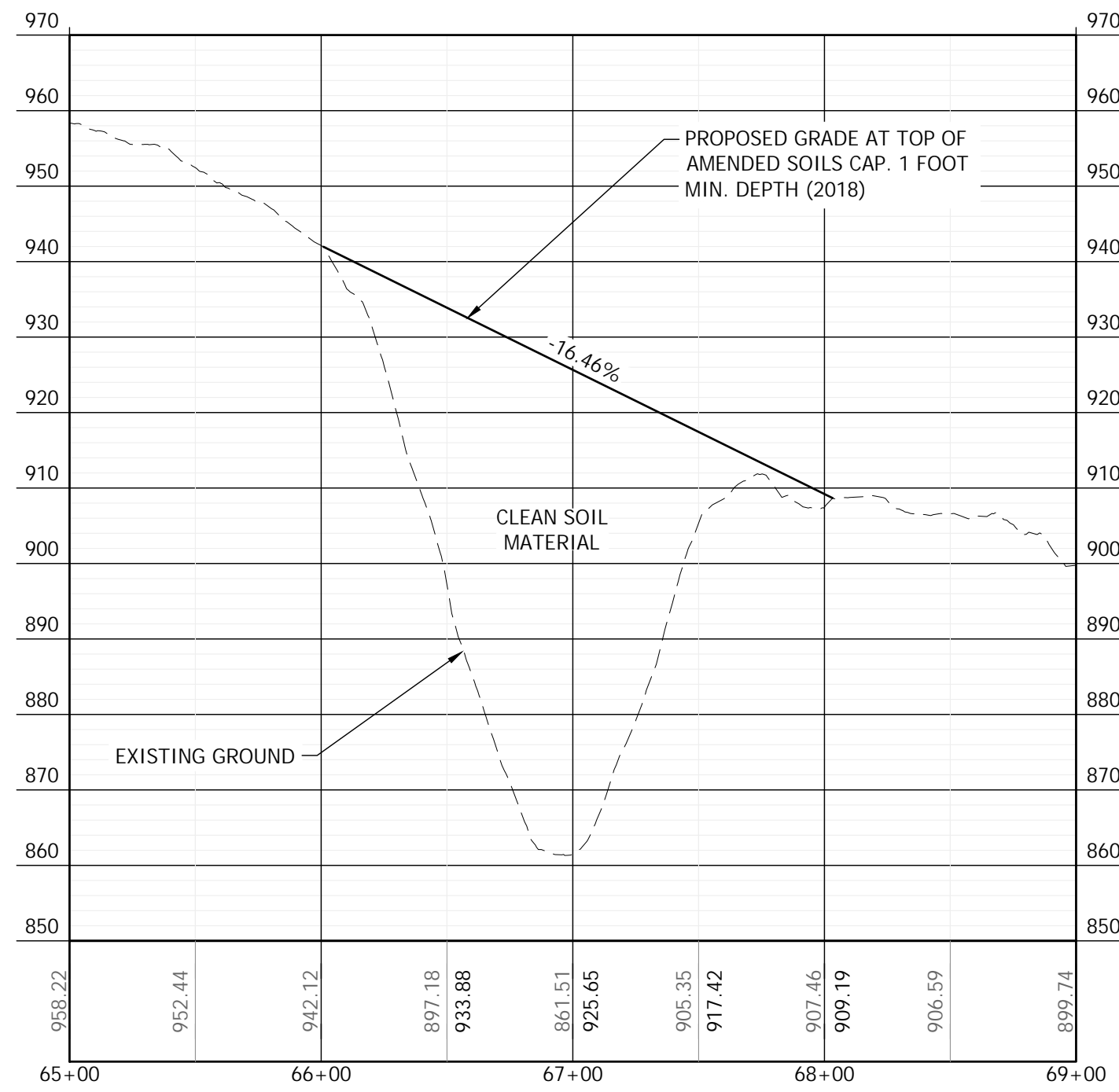
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 EATONVILLE, WA 98328
 CONTACT: KURT ERICKSON
 PHONE: (253) 606-6060

DESIGNER: J. RAUSCH	DATE: 12.07.2020
DRAWN: J. RAUSCH	PROJECT: 09-040
SW-SE 01 T21N R6E WM	DWG NAME: 09-040-C
REVISED:	SHEET: C7
7 OF 8	REV.:

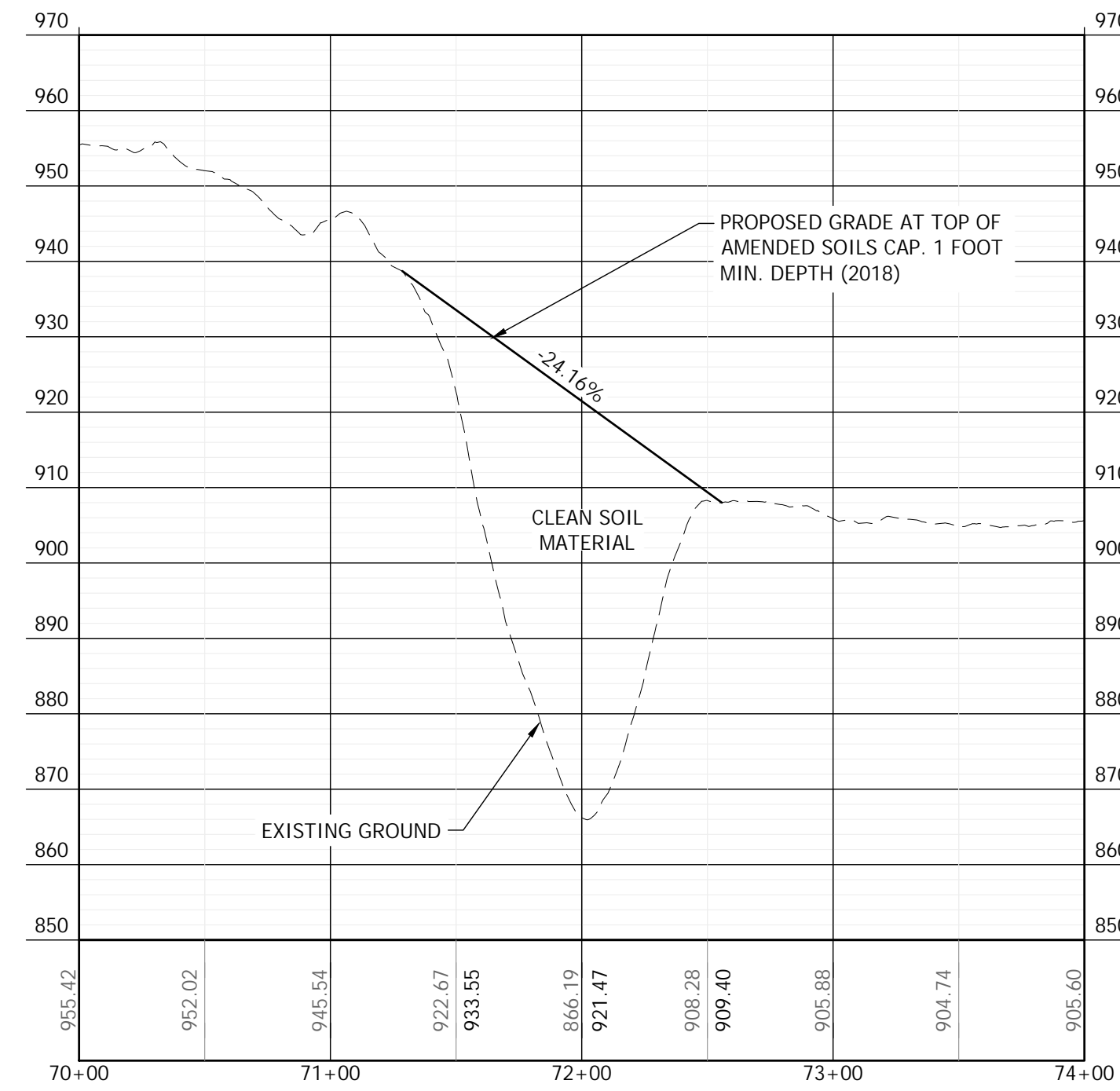
RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION PROJECT
 PORTIONS OF SECTION 1, TOWNSHIP 21 NORTH, RANGE 6 EAST,
 SECTION 36, TOWNSHIP 22 NORTH, RANGE 6 EAST, AND SECTION 31, TOWNSHIP 22 NORTH, RANGE 7 EAST, W.M.
 KING COUNTY, WASHINGTON



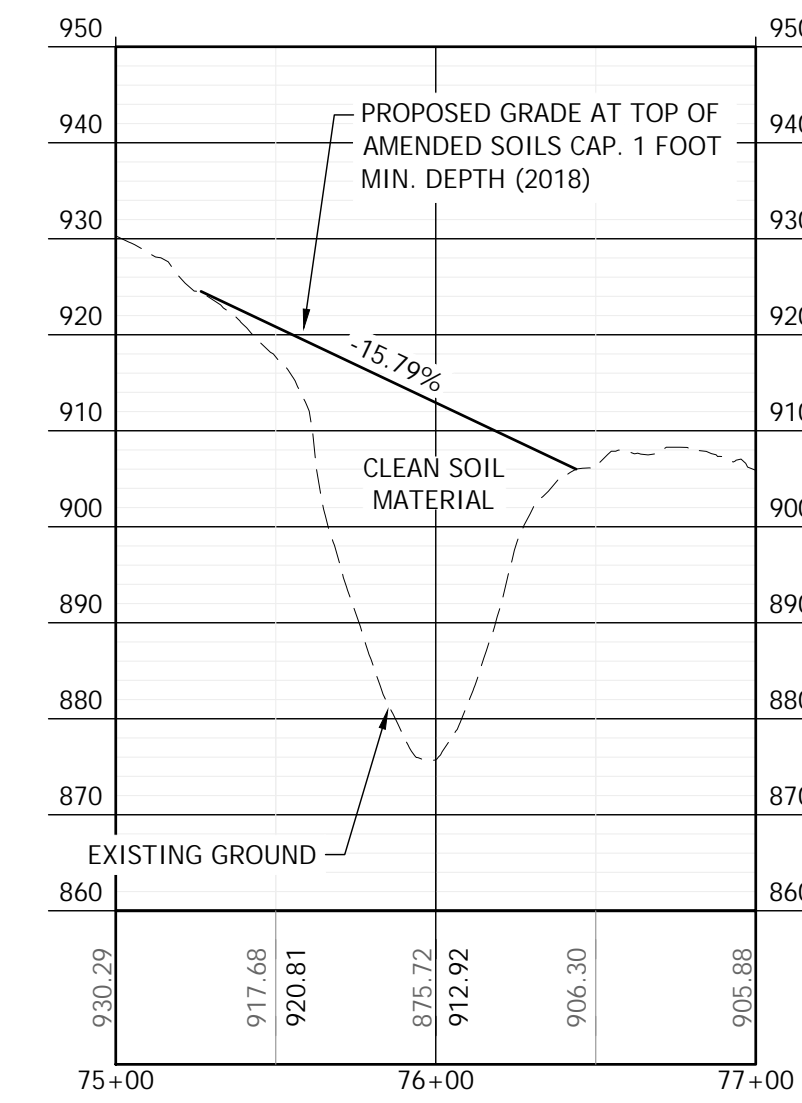
TRENCH E:	
SCALE: 1" = 60' HORIZONTAL 1" = 20' VERTICAL	
PERMITTED 2011 IMPORT QUANTITY:	33,200 CY±
AS-BUILT IMPORT QUANTITY 2017:	95,854 CY±
PROPOSED ADDITIONAL IMPORT QUANTITY:	210,285 CY±
TOTAL IMPORT QUANTITY (BANK YARDS):	306,139 CY±
TOP SOIL:	6,460 CY± *
*ASSUMING 1' DEPTH	



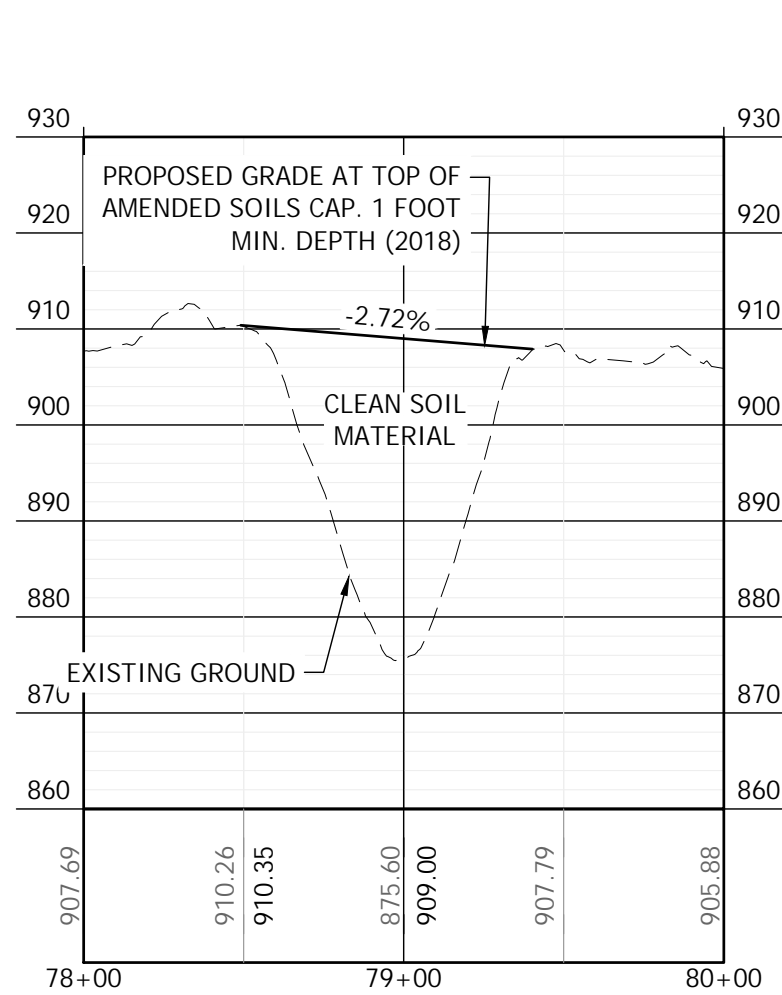
TRENCH E SECTION **(N)**
C8



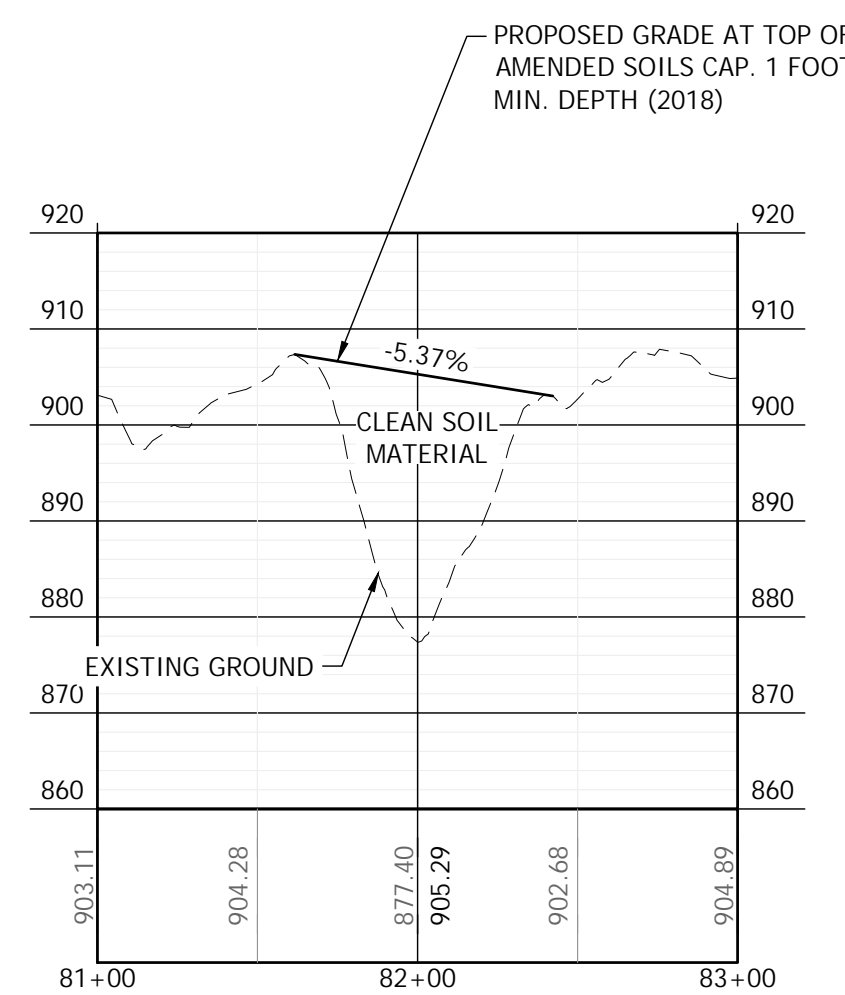
TRENCH E SECTION **(P)**
C8



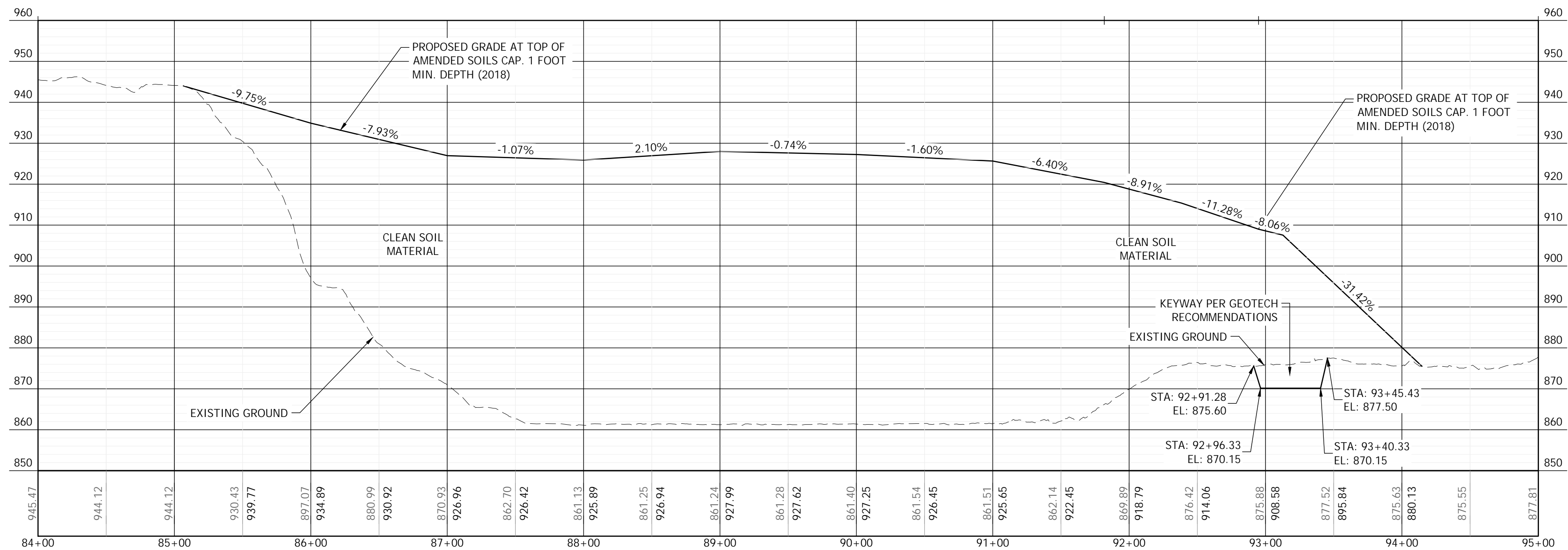
TRENCH E SECTION **(R)**
C8



TRENCH E SECTION **(S)**
C8



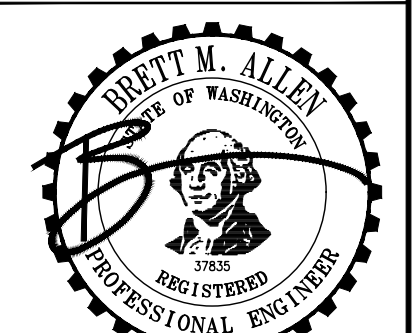
TRENCH E SECTION **(C8)**
C16



TRENCH E SECTION **(W)**
C8

BY	DATE	REVISION	DESCRIPTION

CONTOUR ENGINEERING LLC
 CIVIL ENGINEERS - SURVEYORS - LAND PLANNERS
 3309 56th Street NW, Suite 106 Gig Harbor, WA 98335
 Phone: 253-857-5454 - Fax: 253-509-0044 - info@contourplc.com



SHEET TITLE: TRENCH - E GRADING AND PROFILES	
RAVENSDALE RECLAMATION TRENCH FILLING AND RESTORATION	
CLIENT: RAVENSDALE LLC	PHONE: (253) 606-6060
EATONVILLE, WA 98328	CONTACT: KURT ERICKSON
DESIGNER: J. RAUSCH	ENGINEER: B. ALLEN
DRAWN: J. RAUSCH	DATE: 12.07.2020
SW-SE 01 T21N R6E WM	PROJECT: 09-040
DATE: 12.07.2020	DWG NAME: 09-040-C
REVISION:	SHEET
	C8
	8 OF 8