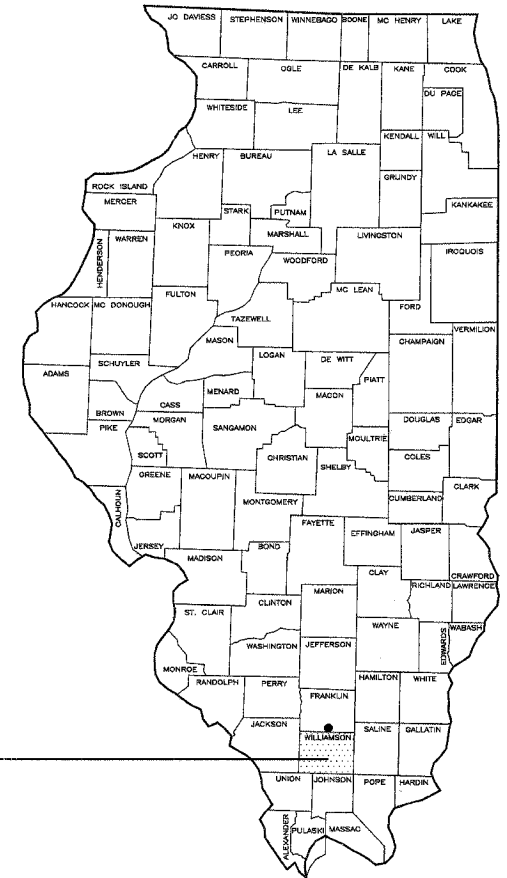


**State of Illinois**  
**Department of Natural Resources**  
**Office of Mines and Minerals**  
**Division of Abandoned Mined Lands**

Funded by the  
 United States Department of Interior  
 Federal Office of Surface Mining

**Delta Collieries North Reclamation Project**  
**AML-GWmE-0512**  
**Williamson County**  
**1LR**



Delta Collieries North  
 Williamson County (See Sheet 2 for Location)

**PRE-BID MEETING**  
 A PRE-BID MEETING IS SCHEDULED FOR  
 THIS PROJECT AT 10 A.M. TUESDAY  
 JANUARY 8, 2008. ALL INTERESTED  
 POTENTIAL BIDDERS ARE TO MEET AT  
 THE SITE ENTRANCE ALONG OLD DELTA  
 MINE ROAD. SEE LOCATION MAP ON  
 SHEET 2.

**SCHEDULE OF DRAWINGS**

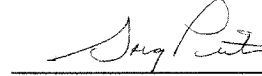
- 1. Cover Sheet
- 2. Summary of Quantities/General Notes/Location Map
- 3. Sheet Layout and Survey Control Data
- 4-7. Existing and Proposed Conditions
- 8-23 Cross Sections Sta. 0+00 to Sta. 30+00
- 24-28. Cross Sections Sta. 100+00 to Sta. 108+00
- 29. Details
  - I.D.O.T. Standard B.L.R. 18-4 Traffic Control Devices

Prepared By IDNR Staff

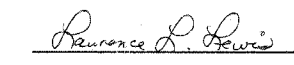
Approved for Bidding:

  
 Joe Angleton, Director  
 Office of Mines and Minerals

Submitted By:

  
 J. Greg Pinto, Interim Manager  
 AML Division

Approved By:

  
 Lawrence L. Lewis, P.E.  
 IL Licensed Professional Engineer  
 No. 062-047252



**Summary of Quantities**

#	Item	Section	Quantity	Unit	Rates/Remarks
1	Special Clearing	201	1	L.S.	
2	Earth Excavation	202	160,831	C.Y.	
3	Channel Excavation	IDOT 203	15,367	C.Y.	
4	Seeding	250	55.0	Acre	
5	Nitrogen Fertilizer Nutrient	250	11,000	Pound	100 LB/Acre - Two Applications
6	Phosphorus Fertilizer Nutrient	250	7,700	Pound	140 LB/Acre
7	Potassium Fertilizer Nutrient	250	16,500	Pound	300 LB/Acre
8	Agricultural Ground Limestone	250	1,100.0	Ton	20 Ton/Acre
9	Mulch, Method 2. Procedure 1	IDOT 251	55.0	Acre	2 Ton/Acre
10	Cement Kiln Dust Placement	255	162370	Ton	
11	Mowing	258	55.0	Acre	
12	Stone Riprap, A-4	IDOT 281	212	S.Y.	
13	Filter Fabric for use with Riprap	IDOT 282	212	S.Y.	
14	Special Excelsior Blanket	286	5,751	S.Y.	8 Foot Width
15	Aggregate Surface Course, Type B	IDOT 402	1429.0	Ton	CA-6
16	Pipe Culvert, 30" CPE, Type 1	IDOT 542	30	Foot	Method III Construction
17	Pipe Culvert, 30" CPE, Type 2	IDOT 542	50	Foot	Method I Construction
18	Pipe Culvert, 24" CPE, Type 1	IDOT 542	80	Foot	Method I Construction
19	Adjusting Water Service Lines	IDOT 563	225	Foot	
20	Entrance Gate	664	2	Each	
21	Barbed Wire Fence	665	125	Foot	
22	Mobilization	671	1	L.S.	Max. 6% of Bid
23	Traffic Control and Protection	701	1	L.S.	BLR-18-4

**GENERAL NOTES**

Unless otherwise noted on the plans, all disturbed areas within the construction limits will be amended with agricultural ground limestone, fertilizer nutrients, seeded and mulched at the required rates specified in the plans.

The contractor is responsible for visiting the site and familiarizing himself with the existing conditions and the proposed reclamation work prior to submitting a bid.

The contractor shall provide and pay for all field engineering services to execute the project as specified in the Field Engineering section of the Special Provisions.

The contractor is responsible for locating and protecting all existing utility lines.

Unless noted on the plans, all onsite access roads may be used for construction and must be maintained during construction and restored to original or better condition at the completion of work by the contractor. Access roads to the site as designated in the plans are to be maintained to the satisfaction of the engineer.

The construction limits will be staked by the contractor prior to construction. The contractor is responsible for the repair and or restitution at his own expense for all damages done to any area outside the construction limits.

Application rates specified in the plans are shown in the Summary of Quantities-Rates/Remarks column.

**CONSTRUCTION NOTES**

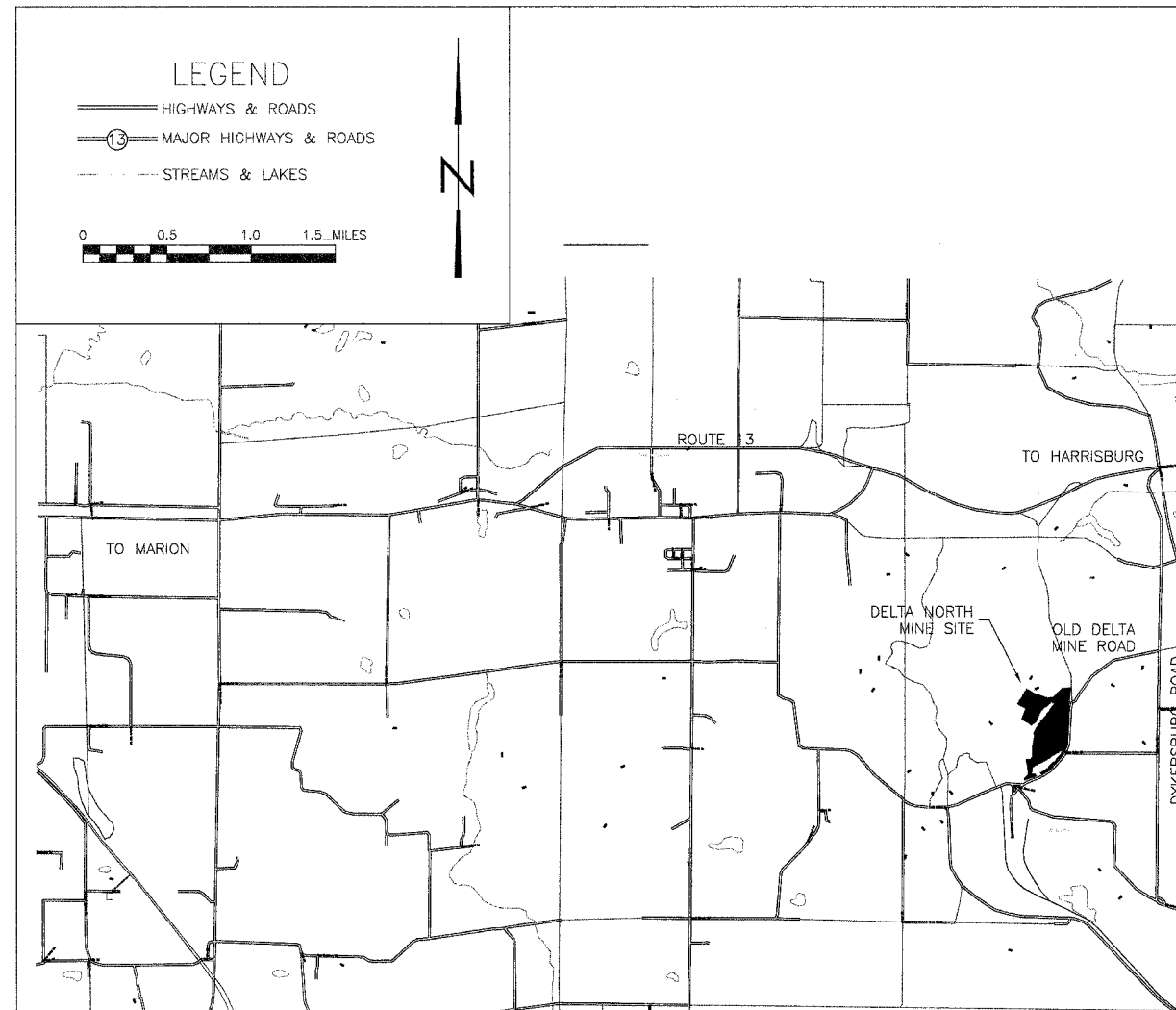
**BURIAL/REMOVAL OF MATERIAL**-Concrete and masonry debris designated for burial by the engineer shall be buried at least three feet below proposed final grade. Onsite organic debris and trash shall be disposed of in an engineer approved offsite landfill in accordance with Sections 201 and 501 of the Special Provisions.

**TREE REMOVAL**-Trees removed shall be disposed of onsite per Section 201 of the Special Provisions.

**EROSION CONTROL**-The contractor shall schedule his operations and take such precautions that may be necessary to prevent or minimize erosion. Failure to comply with this requirement shall cause the contractor to be fully responsible for repairing any eroded areas and cleaning up areas or drainage structures that have become silted in or damaged.

**AGRICULTURAL GROUND LIMESTONE**-Immediately prior to seed bed preparation, fertilizer nutrients and agricultural ground limestone shall be uniformly spread at the rates specified in the plans.

**MULCHING**-Within 24 hours from the time seeding has been performed, the seeded area shall be given a covering of mulch at the rates specified in the plans. The mulch is to be anchored into the soil in accordance with the requirements for method 2, procedure 2 of Article 251.03 of the Standard Specifications. If Excelsior or Special Excelsior Blanket is to be used, the blanket shall be placed the same day that the areas are seeded.



LOCATION MAP

WILLIAMSON AND FRANKLIN COUNTY, ILLINOIS

**Schedule of Seeding, Fertilizer Nutrients, Mulch and Mowing**

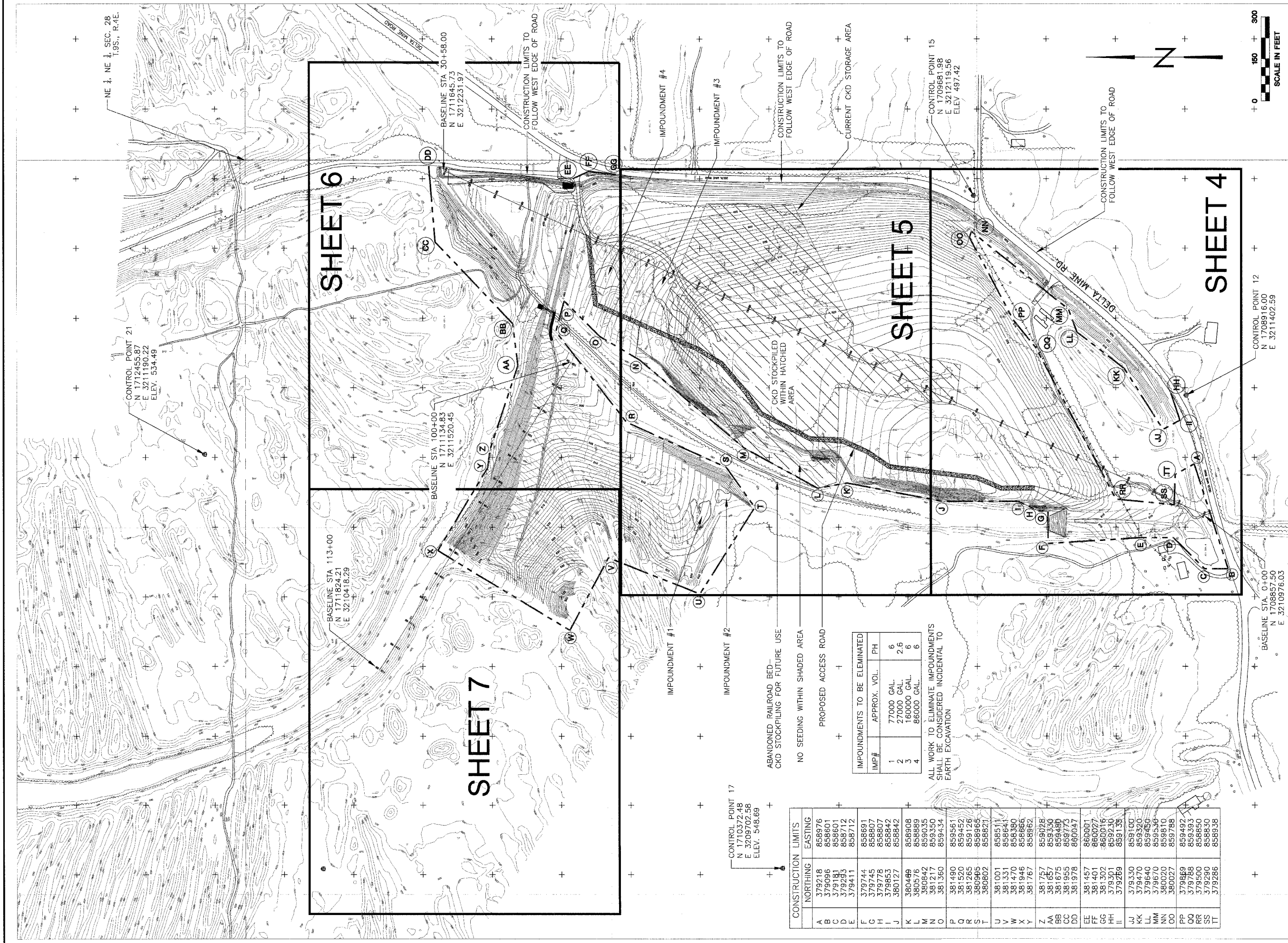
ITEM (unit)	Aug. 20 - Sep. 30, 2008	Jan. 1 - Mar. 15, 2009	June 15 - June 30, 2009	TOTAL QUANTITY
SEEDING (acres)	55.0 Acres		Actual date to be approved by Engineer	55.0 Acres
AGRICULTURAL GROUND LIMESTONE (tons)	1100.0 Tons			1,100.0 Tons
NITROGEN FERTILIZER NUTRIENT (pounds)	5,500 Lbs.	5,500 Lbs.		1,1000 Lbs.
PHOSPHOROUS FERTILIZER NUTRIENT (pounds)	7,700 Lbs.			7,700 Lbs.
POTASSIUM FERTILIZER NUTRIENT (pounds)	16,500 Lbs.			16,500 Lbs.
MULCH, METHOD 2 PROCEDURE 1 (acres)	55.0 Acres			55.0 Acres
MOWING (acres)			55.0 Acres	55.0 Acres

State of Illinois  
Department of Natural Resources

Delta Collieries North  
Reclamation Project  
AML-GWmE-0512  
Williamson County

Drawn By: T.L. \_\_\_\_\_ Date: 12/13/2007  
Checked By: \_\_\_\_\_

Summary of Quantities/  
General Notes/Location Map



CONSTRUCTION LIMITS	
NORTHING	EASTING
A	379218
B	379218
C	379218
D	379218
E	379218
F	379218
G	379218
H	379218
I	379218
J	379218
K	379218
L	379218
M	379218
N	379218
O	379218
P	379218
Q	379218
R	379218
S	379218
T	379218
U	379218
V	379218
W	379218
X	379218
Y	379218
Z	379218
AA	379218
BB	379218
CC	379218
DD	379218
EE	379218
FF	379218
GG	379218
HH	379218
II	379218
JJ	379218
KK	379218
LL	379218
MM	379218
NN	379218
OO	379218
PP	379218
QQ	379218
RR	379218
SS	379218
TT	379218

IMP#	APPROX. VOL.	PH
1	77000 GAL.	6
2	27000 GAL.	2.6
3	160000 GAL.	6
4	86000 GAL.	6

ALL WORK TO ELIMINATE IMPOUNDMENTS SHALL BE CONSIDERED INCIDENTAL TO EARTH EXCAVATION

CONTROL POINT 17  
N 1710372.48  
E 3209702.58  
ELEV. 548.69

CONTROL POINT 12  
N 1708916.00  
E 3211402.59

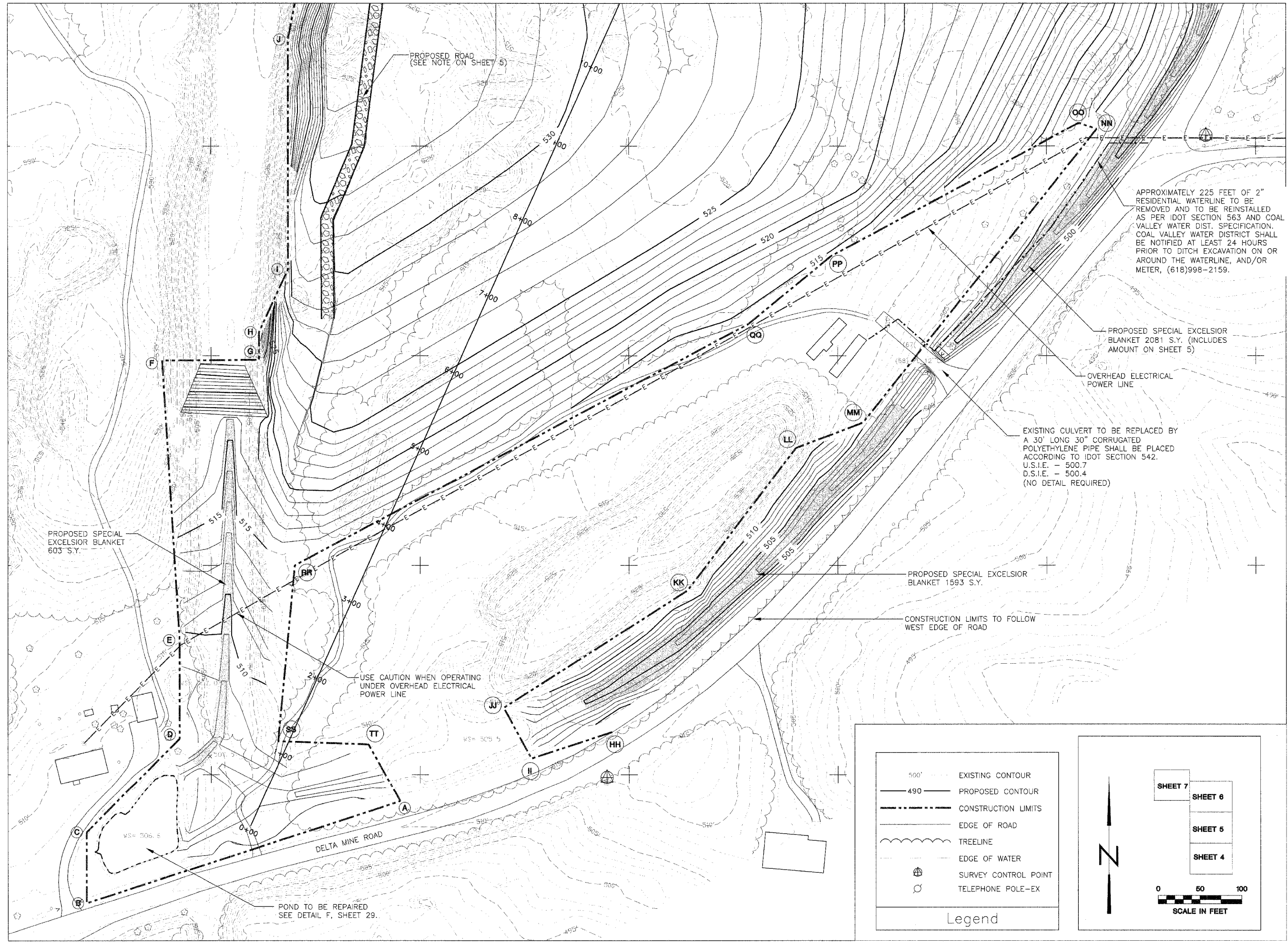
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SHEET 6

SHEET 7

SHEET 5

SHEET 4

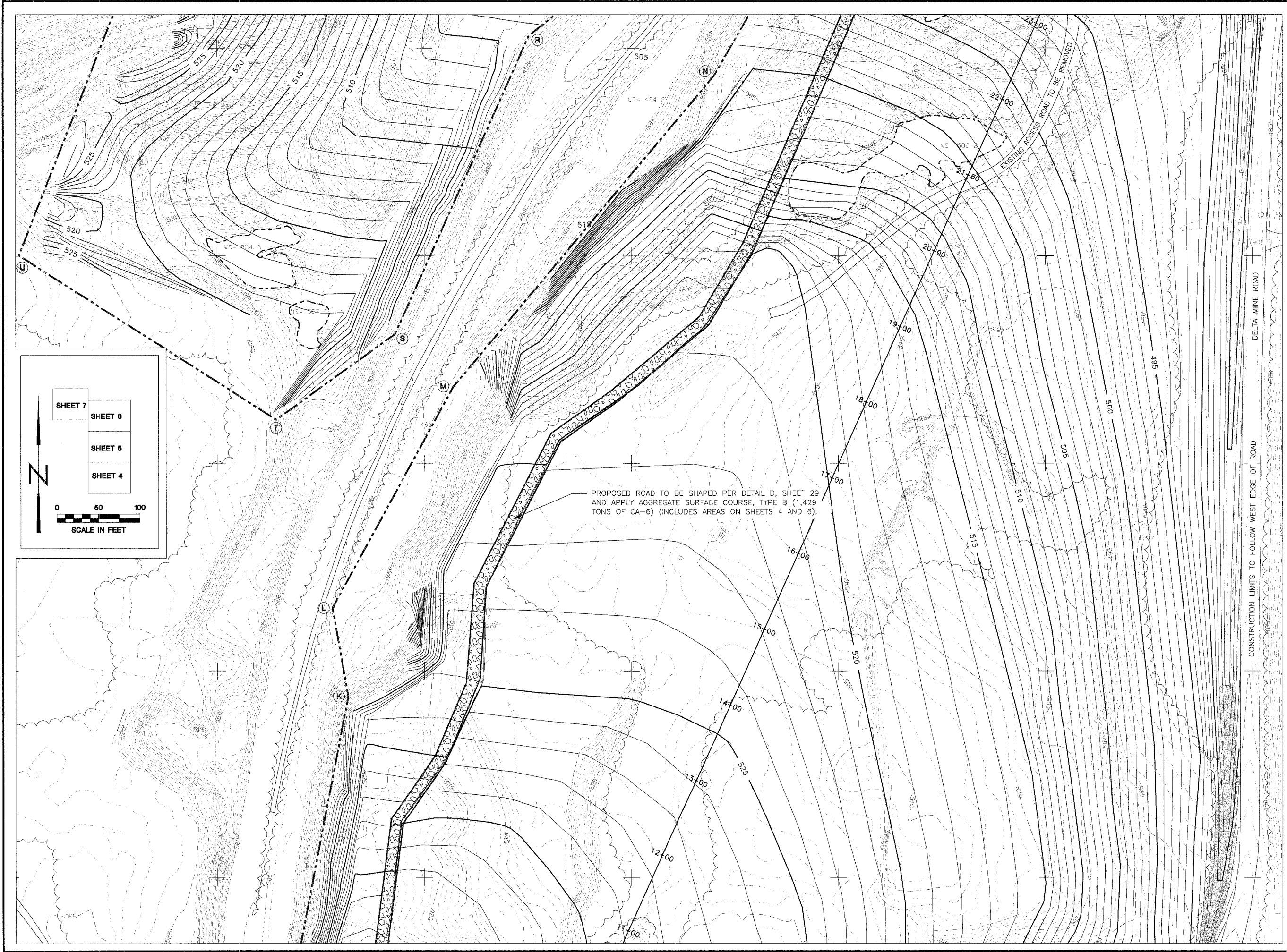


State of Illinois  
Department of Natural Resources

Delta Collieries North  
Reclamation Project  
AML-GWmE-0512  
Williamson County

Drawn By: T. Lindquist Date: 12/2007  
Checked By:

Existing and Proposed  
Conditions  
Sheet 4 of 29



SHEET 7  
 SHEET 6  
 SHEET 5  
 SHEET 4

0 50 100  
 SCALE IN FEET

PROPOSED ROAD TO BE SHAPED PER DETAIL D, SHEET 29  
 AND APPLY AGGREGATE SURFACE COURSE, TYPE B (1,429  
 TONS OF CA-6) (INCLUDES AREAS ON SHEETS 4 AND 6).

CONSTRUCTION LIMITS TO FOLLOW WEST EDGE OF ROAD

Existing and Proposed  
Conditions



Sheet 5 of 29

Drawn By: T. Lindquist Date: 12/2007


Checked By: \_\_\_\_\_

Delta Collieries North  
 Reclamation Project  
 AML-GWmE-0512  
 Williamson County

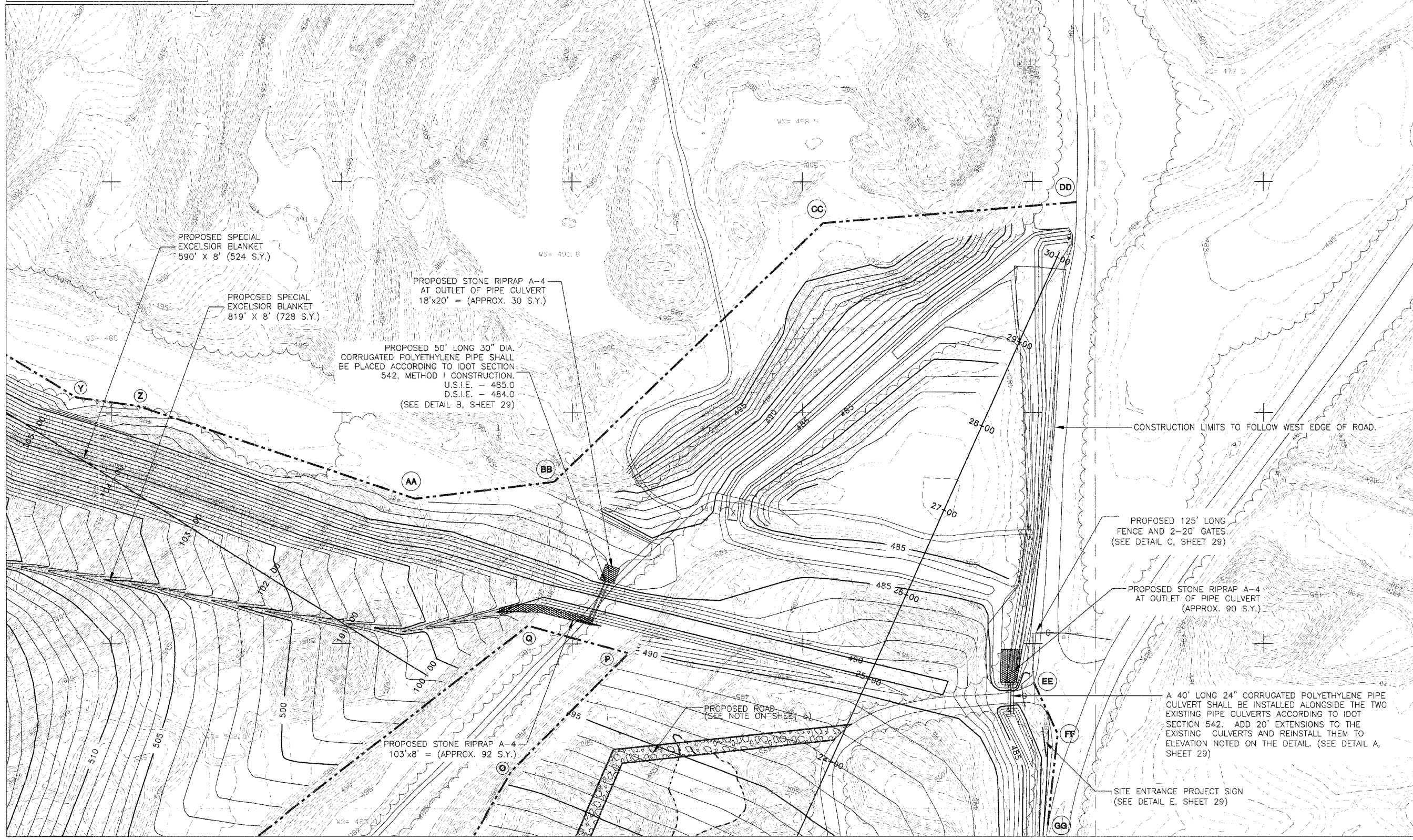
State of Illinois  
 Department of Natural Resources









500' - - - - - EXISTING CONTOUR  
 490 - - - - - PROPOSED CONTOUR  
 - - - - - CONSTRUCTION LIMITS  
 - - - - - EDGE OF ROAD  
 ~~~~~ TREELINE  
 - - - - - EDGE OF WATER  
 SURVEY CONTROL POINT  
 TELEPHONE POLE-EX

SHEET 7  
 SHEET 6  
 SHEET 5  
 SHEET 4




0 50 100  
SCALE IN FEET



|                                                                                     |      |                      |
|-------------------------------------------------------------------------------------|------|----------------------|
|  | 500' | EXISTING CONTOUR     |
|  | 490  | PROPOSED CONTOUR     |
|  |      | CONSTRUCTION LIMITS  |
|  |      | EDGE OF ROAD         |
|  |      | TREELINE             |
|  |      | EDGE OF WATER        |
|  |      | SURVEY CONTROL POINT |
|  |      | TELEPHONE POLE-EX    |

Legend




SHEET 7

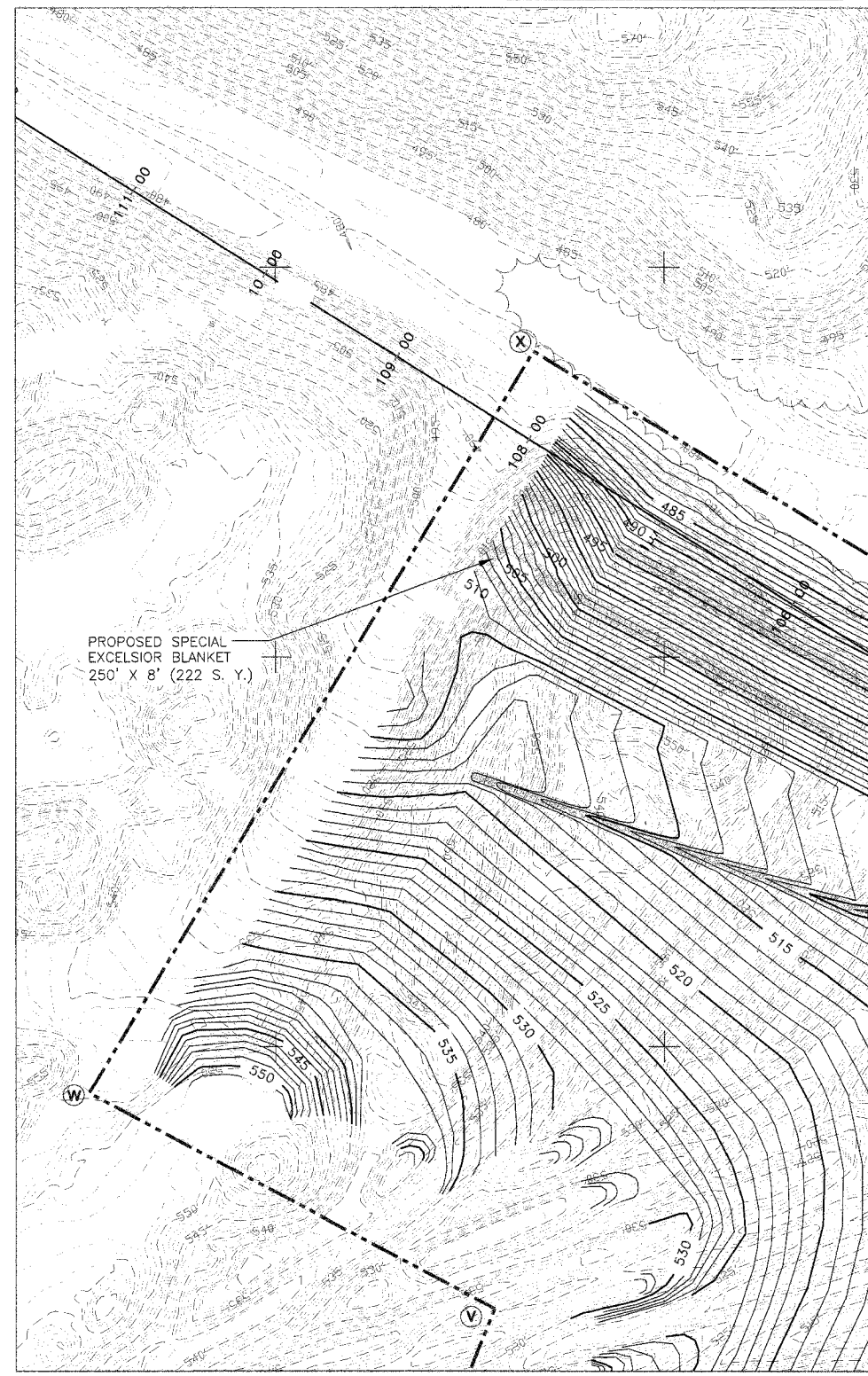
SHEET 6

SHEET 5

SHEET 4



SCALE IN FEET







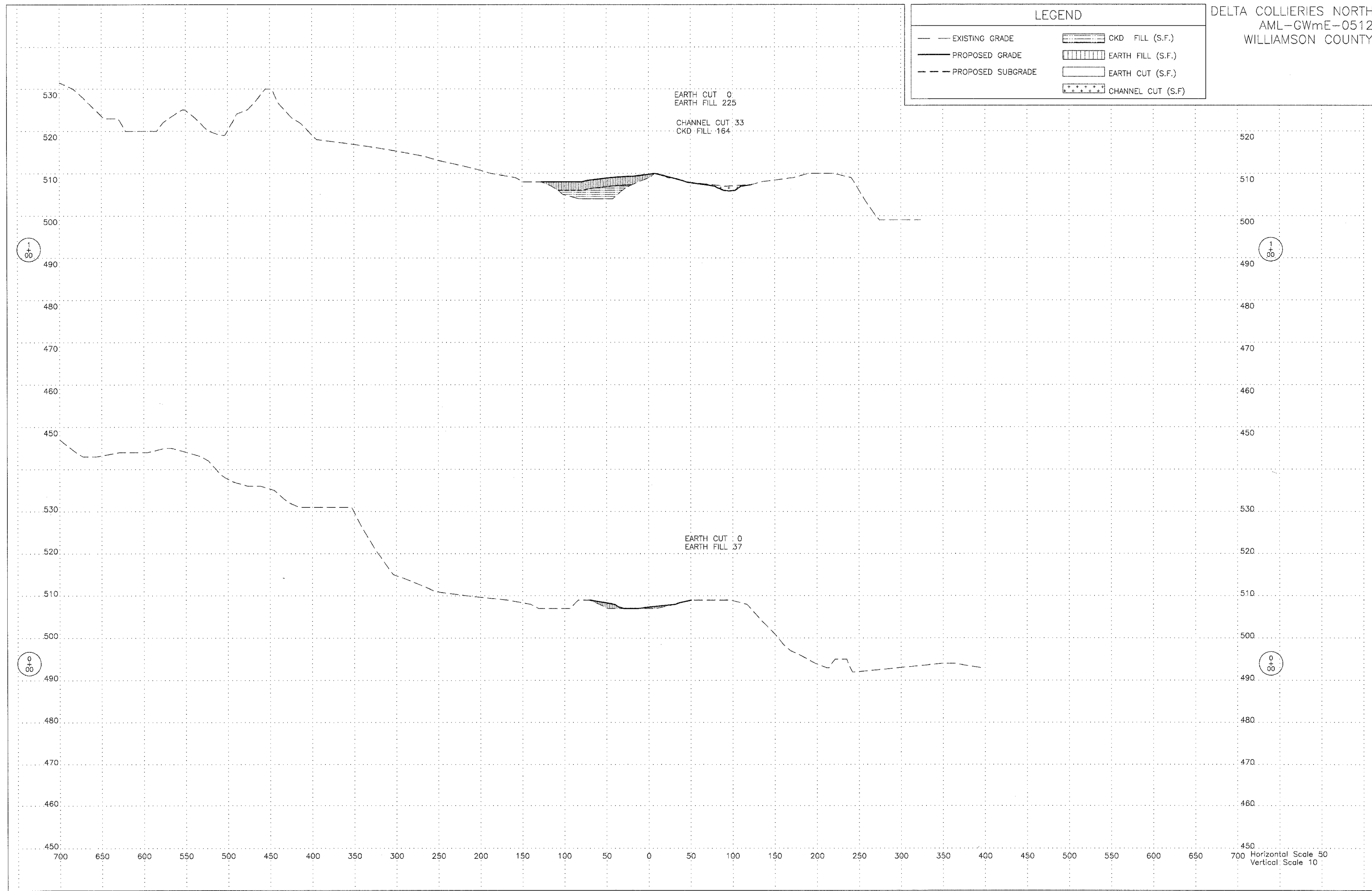
State of Illinois  
Department of Natural Resources

Delta Collieries North  
Reclamation Project  
AML-GWmE-0512  
Williamson County








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Checked By: \_\_\_\_\_

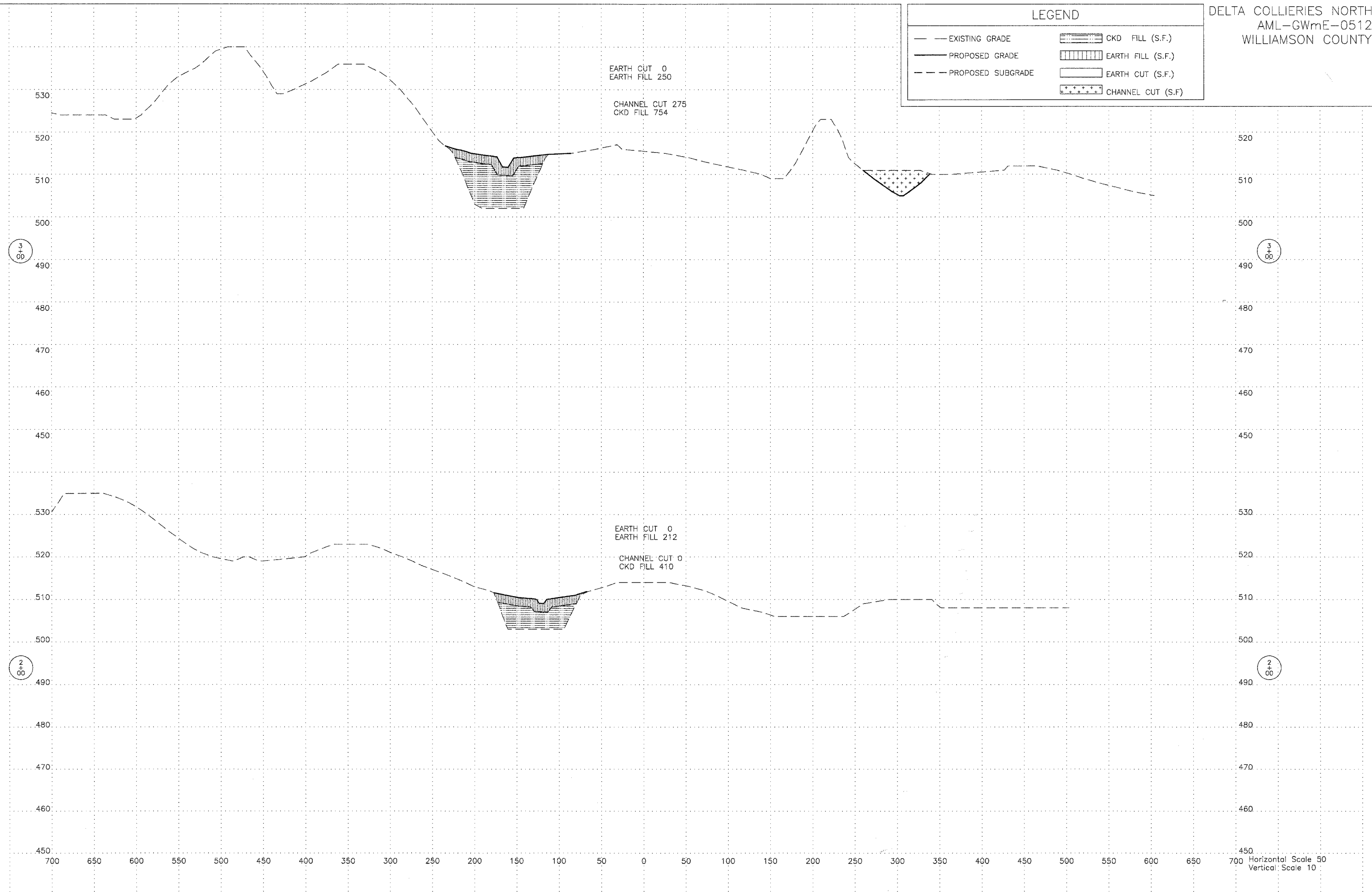
Existing and Proposed  
Conditions  
Sheet 7 of 29

| LEGEND |                   |                                                                                     |                    |
|--------|-------------------|-------------------------------------------------------------------------------------|--------------------|
| —      | EXISTING GRADE    |  | CKD FILL (S.F.)    |
| —      | PROPOSED GRADE    |  | EARTH FILL (S.F.)  |
| - - -  | PROPOSED SUBGRADE |  | EARTH CUT (S.F.)   |
| - - -  | PROPOSED SUBGRADE |  | CHANNEL CUT (S.F.) |









| LEGEND                                                                              |                    |
|-------------------------------------------------------------------------------------|--------------------|
|  | EXISTING GRADE     |
|  | PROPOSED GRADE     |
|  | PROPOSED SUBGRADE  |
|  | CKD FILL (S.F.)    |
|  | EARTH FILL (S.F.)  |
|  | EARTH CUT (S.F.)   |
|  | CHANNEL CUT (S.F.) |

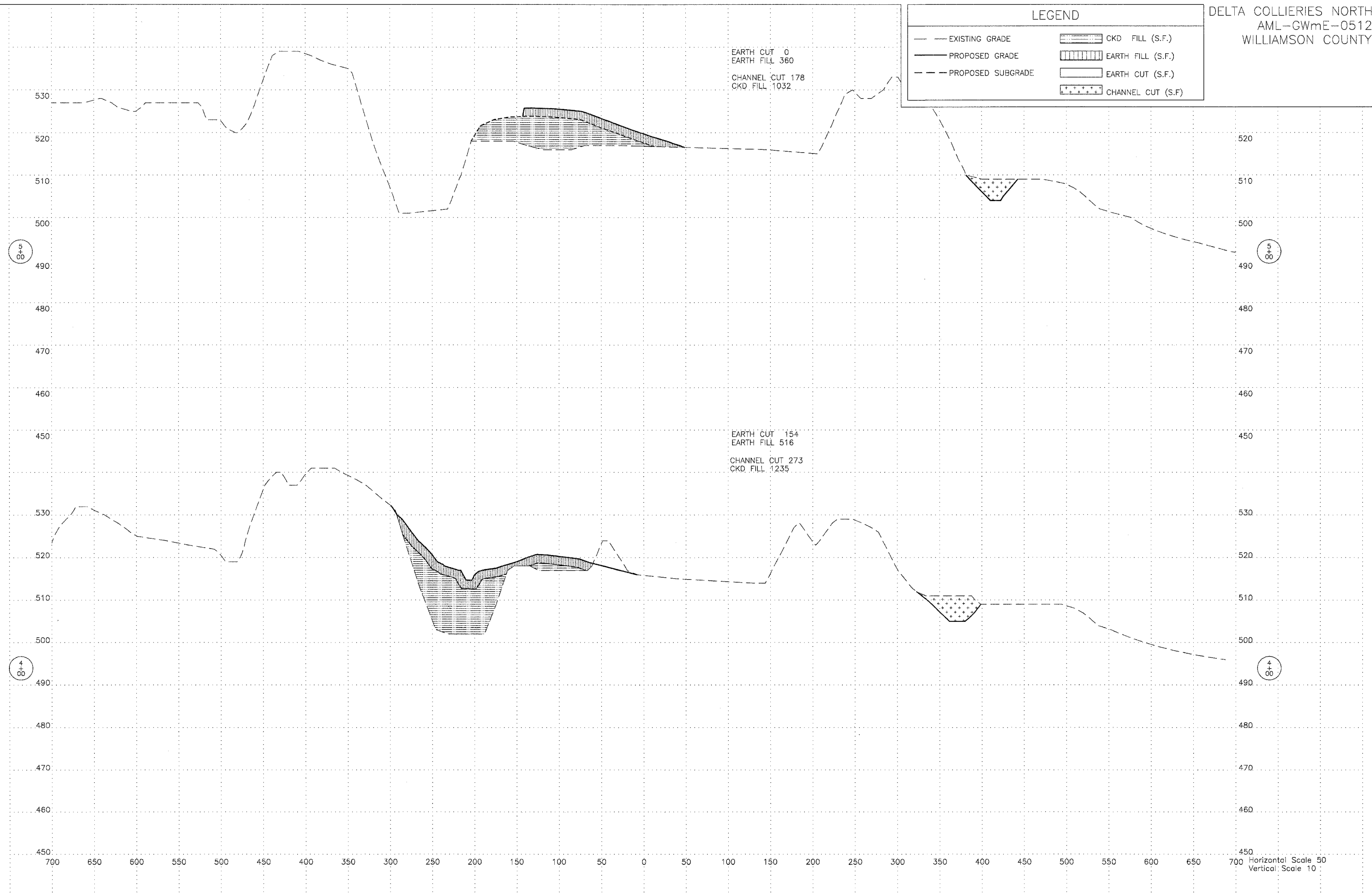


Horizontal Scale 50  
 Vertical Scale 10

| LEGEND                                                                              |                    |
|-------------------------------------------------------------------------------------|--------------------|
| — — — — —                                                                           | EXISTING GRADE     |
| —————                                                                               | PROPOSED GRADE     |
| - - - - -                                                                           | PROPOSED SUBGRADE  |
|  | CKD FILL (S.F.)    |
|  | EARTH FILL (S.F.)  |
|  | EARTH CUT (S.F.)   |
|  | CHANNEL CUT (S.F.) |

EARTH CUT 0  
 EARTH FILL 360  
 CHANNEL CUT 178  
 CKD FILL 1032

EARTH CUT 154  
 EARTH FILL 516  
 CHANNEL CUT 273  
 CKD FILL 1235

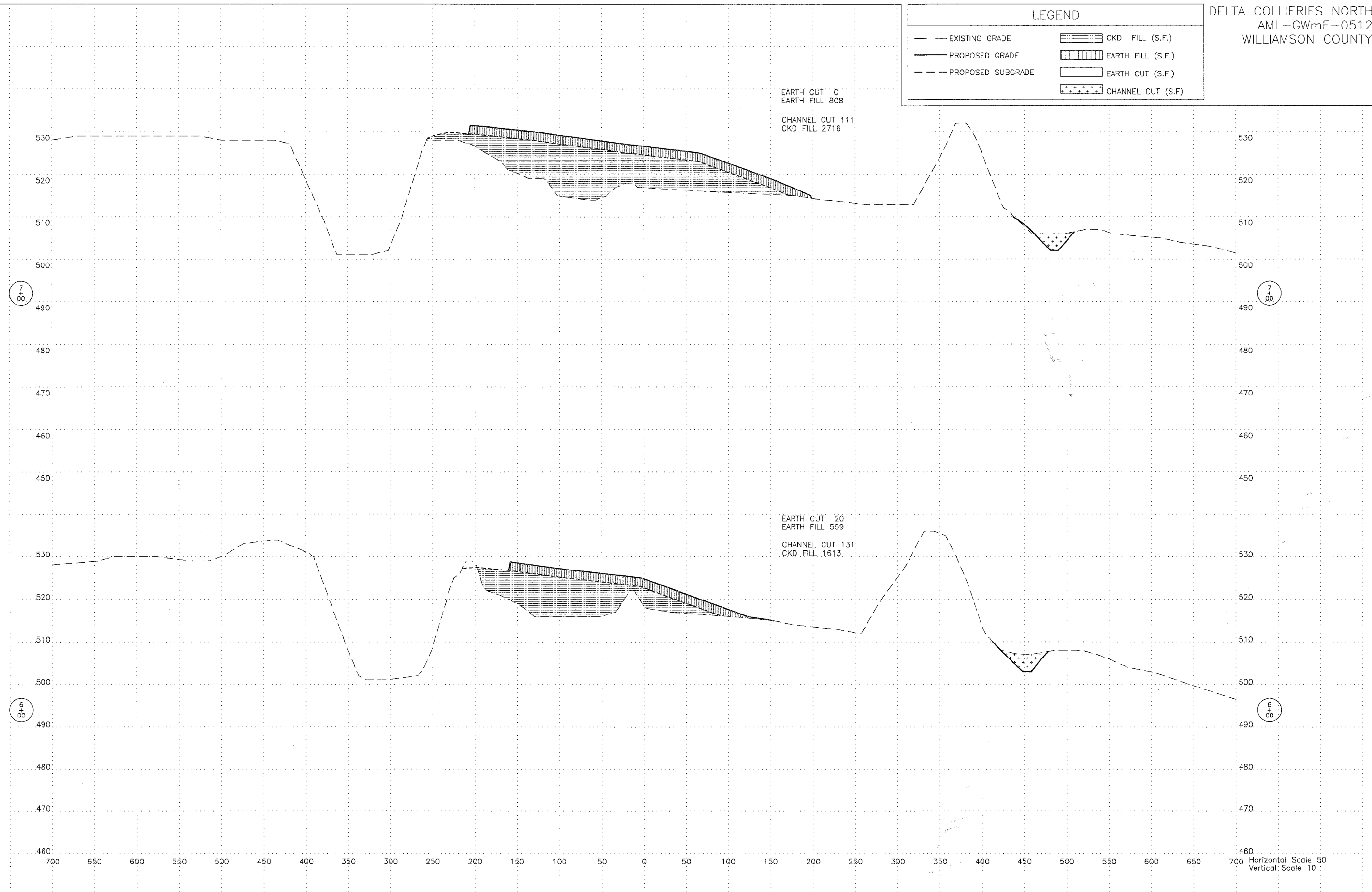


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



| LEGEND                  |                    |
|-------------------------|--------------------|
| — EXISTING GRADE        | CKD FILL (S.F.)    |
| — PROPOSED GRADE        | EARTH FILL (S.F.)  |
| - - - PROPOSED SUBGRADE | EARTH CUT (S.F.)   |
|                         | CHANNEL CUT (S.F.) |

EARTH CUT 0  
EARTH FILL 808  
CHANNEL CUT 111  
CKD FILL 2716

EARTH CUT 20  
EARTH FILL 559  
CHANNEL CUT 131  
CKD FILL 1613

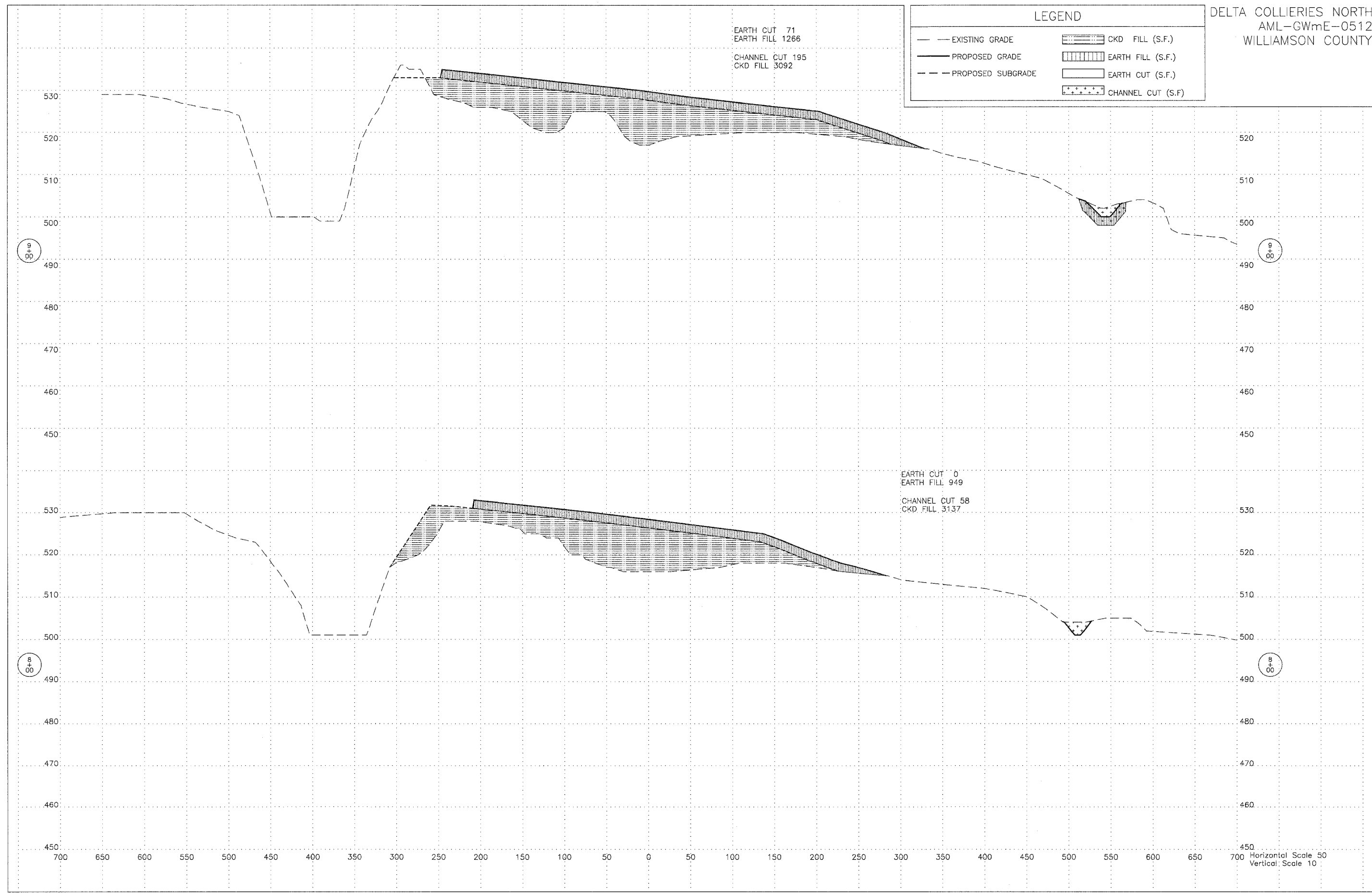


**LEGEND**

|                         |                                                                                                        |
|-------------------------|--------------------------------------------------------------------------------------------------------|
| — — EXISTING GRADE      |  CKD FILL (S.F.)    |
| — — PROPOSED GRADE      |  EARTH FILL (S.F.)  |
| - - - PROPOSED SUBGRADE |  EARTH CUT (S.F.)   |
|                         |  CHANNEL CUT (S.F.) |

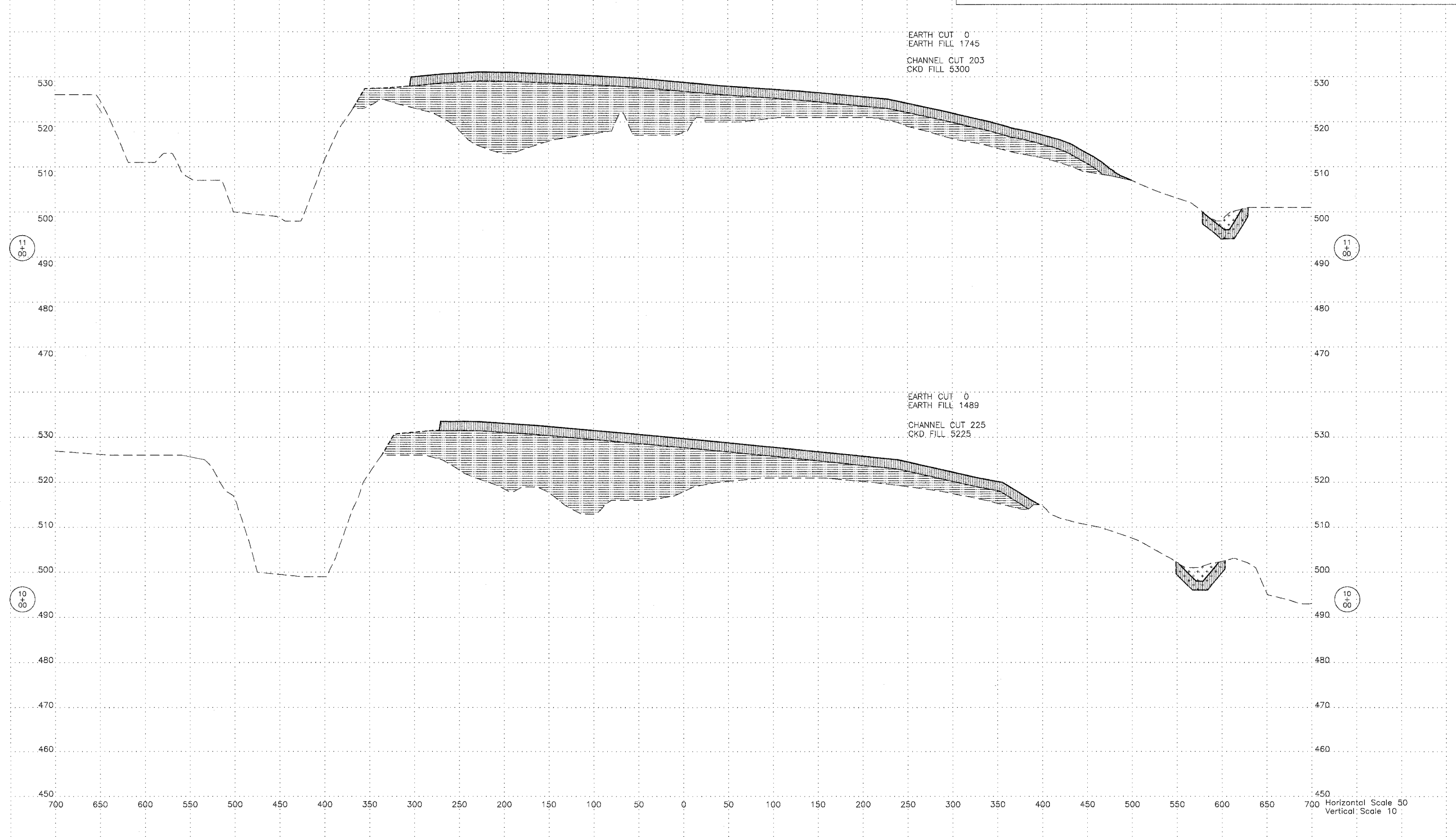
EARTH CUT 71  
 EARTH FILL 1266  
 CHANNEL CUT 195  
 CKD FILL 3092





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 EARTH FILL 949  
 CHANNEL CUT 58  
 CKD FILL 3137

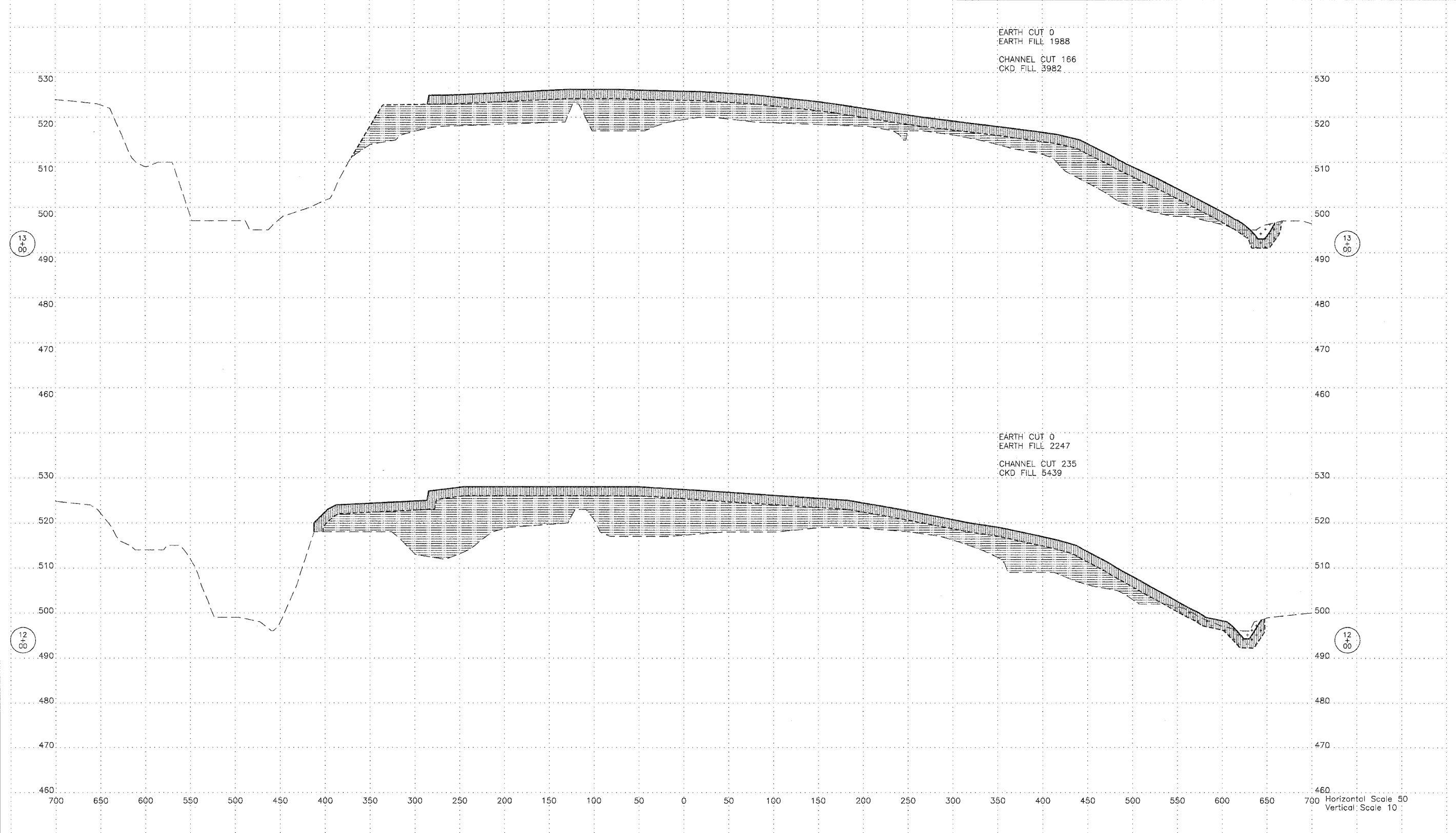






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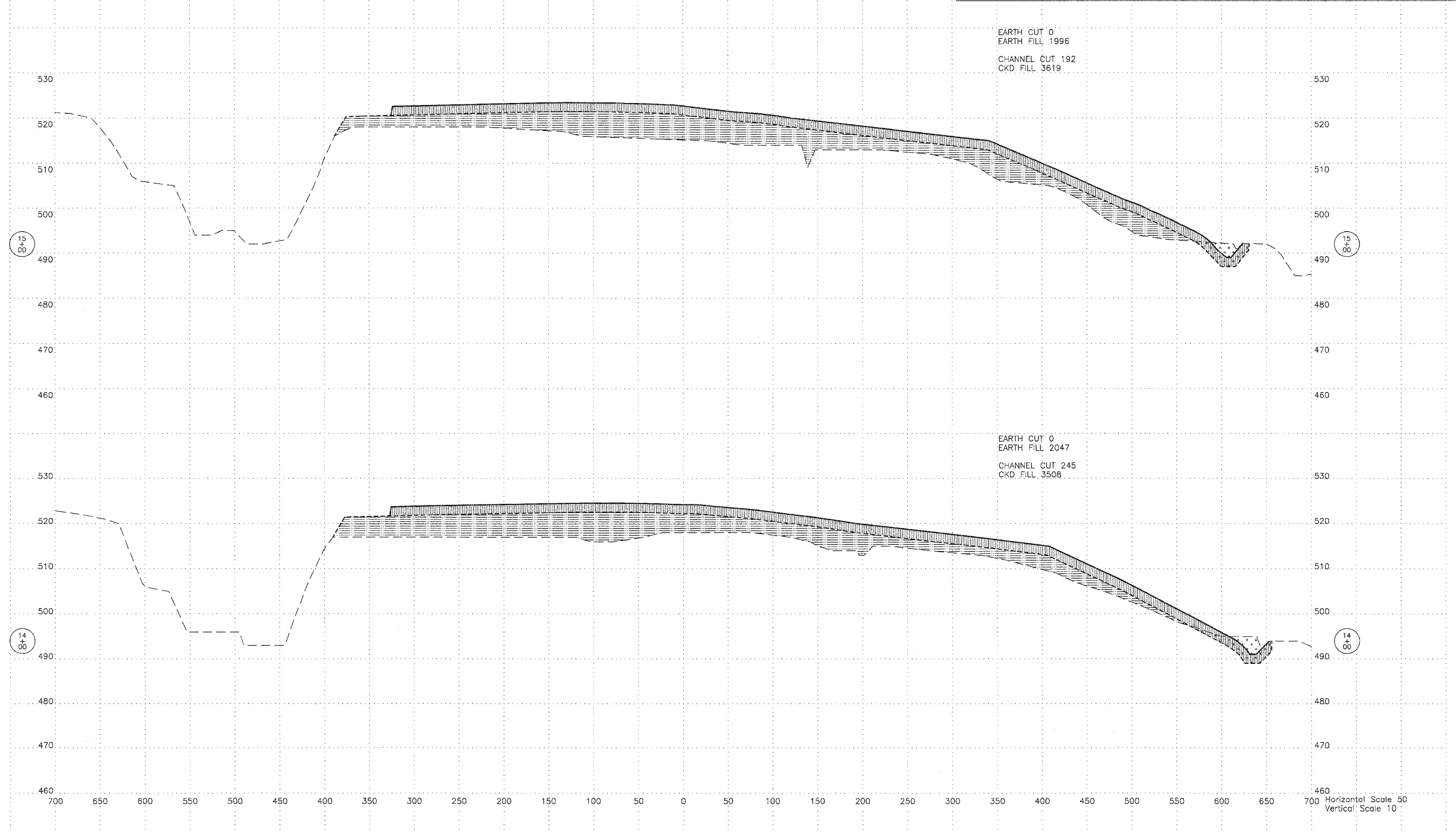
| LEGEND              |                    |
|---------------------|--------------------|
| — — — — —           | EXISTING GRADE     |
| — — — — —           | PROPOSED GRADE     |
| - - - - -           | PROPOSED SUBGRADE  |
| [Diagonal Hatching] | CKD FILL (S.F.)    |
| [Vertical Hatching] | EARTH FILL (S.F.)  |
| [White Box]         | EARTH CUT (S.F.)   |
| [Dashed Box]        | CHANNEL CUT (S.F.) |



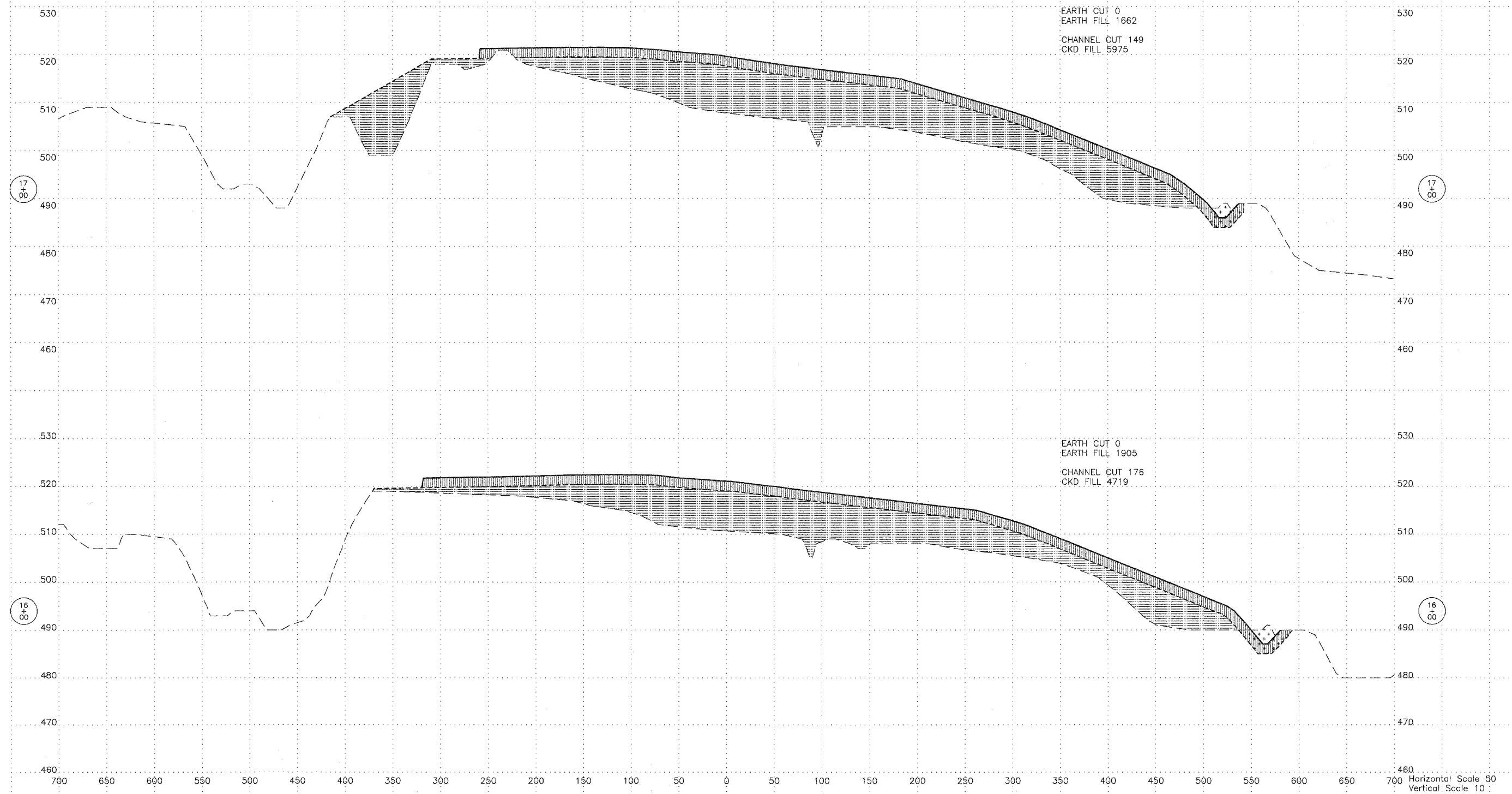
| LEGEND                                                                              |                    |
|-------------------------------------------------------------------------------------|--------------------|
| —                                                                                   | EXISTING GRADE     |
| —                                                                                   | PROPOSED GRADE     |
| - - -                                                                               | PROPOSED SUBGRADE  |
|  | CKD FILL (S.F.)    |
|  | EARTH FILL (S.F.)  |
|  | EARTH CUT (S.F.)   |
|  | CHANNEL CUT (S.F.) |



| LEGEND                                                                              |                    |
|-------------------------------------------------------------------------------------|--------------------|
| — — —                                                                               | EXISTING GRADE     |
| — — —                                                                               | PROPOSED GRADE     |
| - - -                                                                               | PROPOSED SUBGRADE  |
|  | CKD FILL (S.F.)    |
|  | EARTH FILL (S.F.)  |
|  | EARTH CUT (S.F.)   |
|  | CHANNEL CUT (S.F.) |



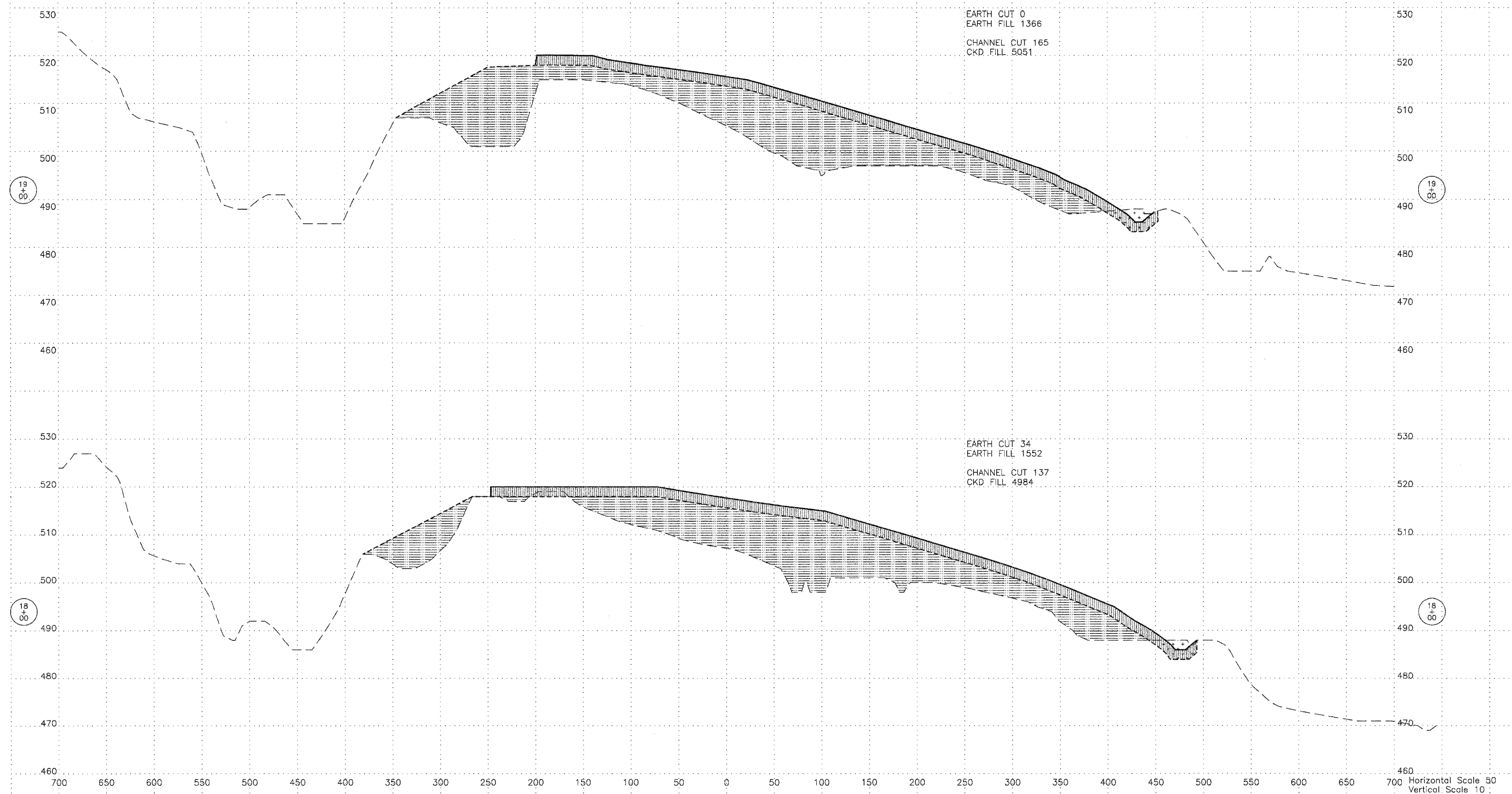
| LEGEND              |                    |
|---------------------|--------------------|
| — — — — —           | EXISTING GRADE     |
| — — — — —           | PROPOSED GRADE     |
| - - - - -           | PROPOSED SUBGRADE  |
| [Diagonal Hatching] | CKD FILL (S.F.)    |
| [Vertical Hatching] | EARTH FILL (S.F.)  |
| [White Box]         | EARTH CUT (S.F.)   |
| [Dotted Box]        | CHANNEL CUT (S.F.) |







Horizontal Scale 50  
 Vertical Scale 10

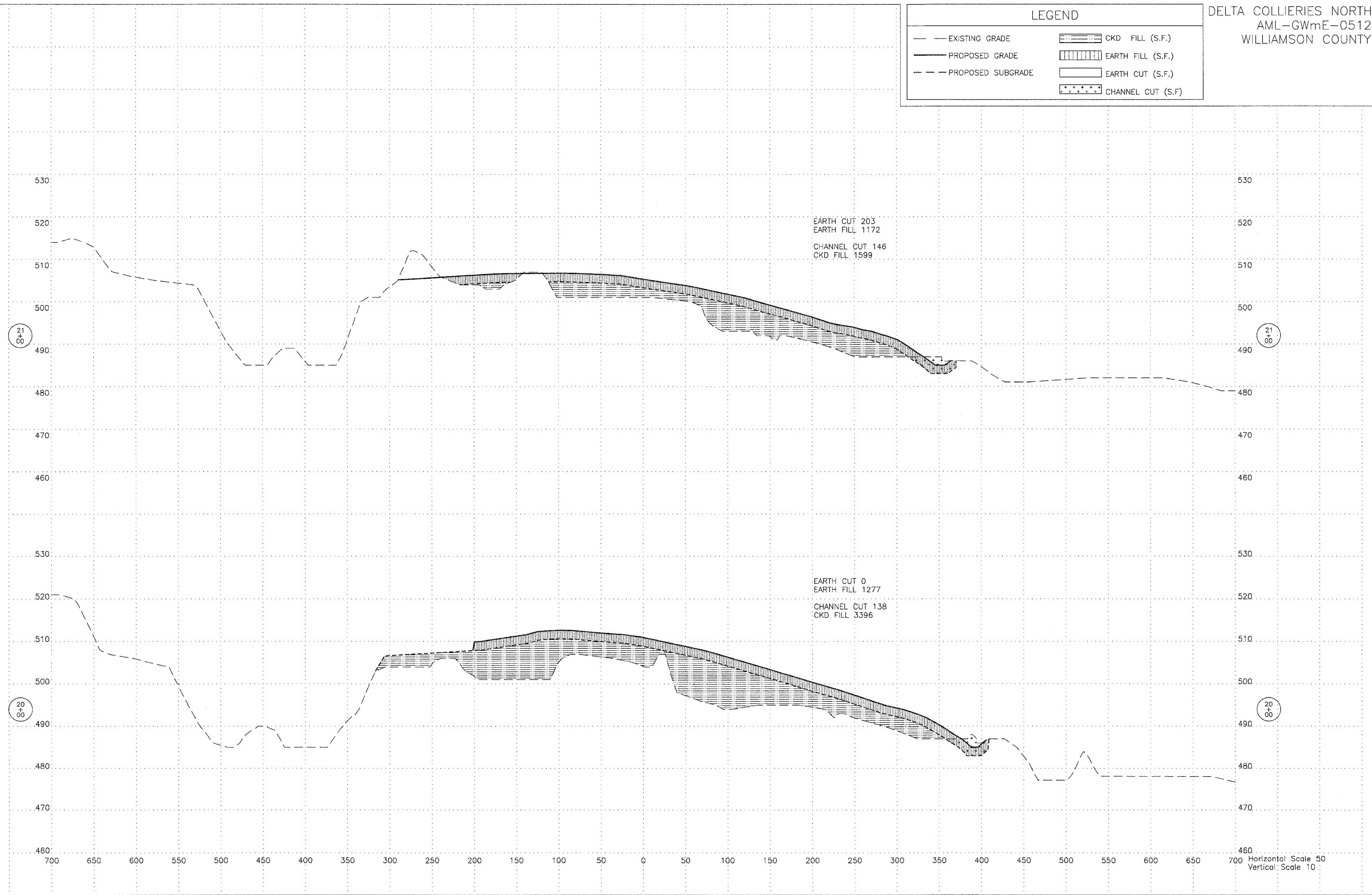






| LEGEND                  |                      |
|-------------------------|----------------------|
| — — — EXISTING GRADE    | ▨ CKD FILL (S.F.)    |
| — — — PROPOSED GRADE    | ▩ EARTH FILL (S.F.)  |
| - - - PROPOSED SUBGRADE | □ EARTH CUT (S.F.)   |
|                         | ▤ CHANNEL CUT (S.F.) |

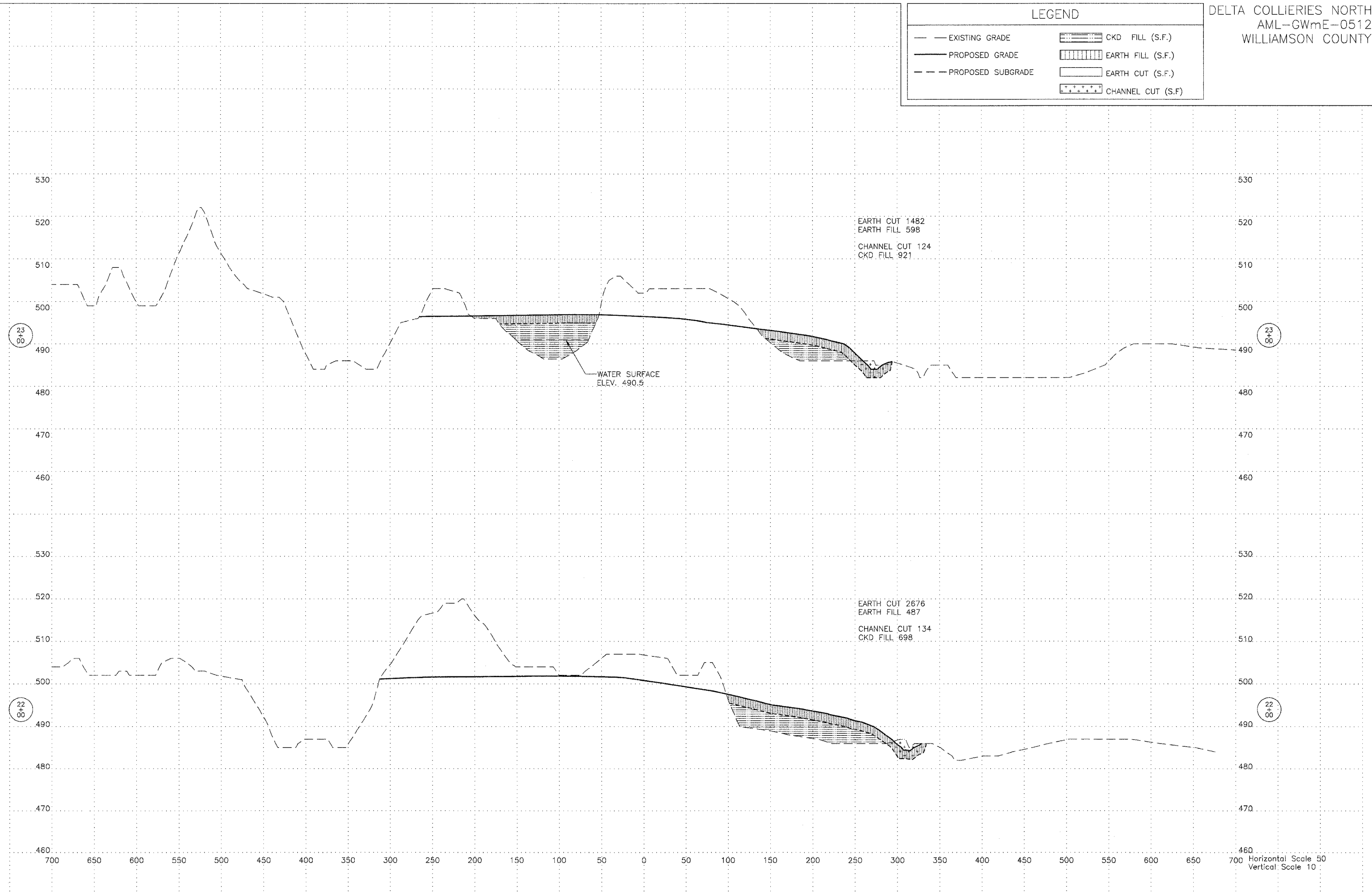


Horizontal Scale 50  
 Vertical Scale 10





| LEGEND |                   |                                                                                     |                    |
|--------|-------------------|-------------------------------------------------------------------------------------|--------------------|
| — — —  | EXISTING GRADE    |  | CKD FILL (S.F.)    |
| — — —  | PROPOSED GRADE    |  | EARTH FILL (S.F.)  |
| - - -  | PROPOSED SUBGRADE |  | EARTH CUT (S.F.)   |
|        |                   |  | CHANNEL CUT (S.F.) |

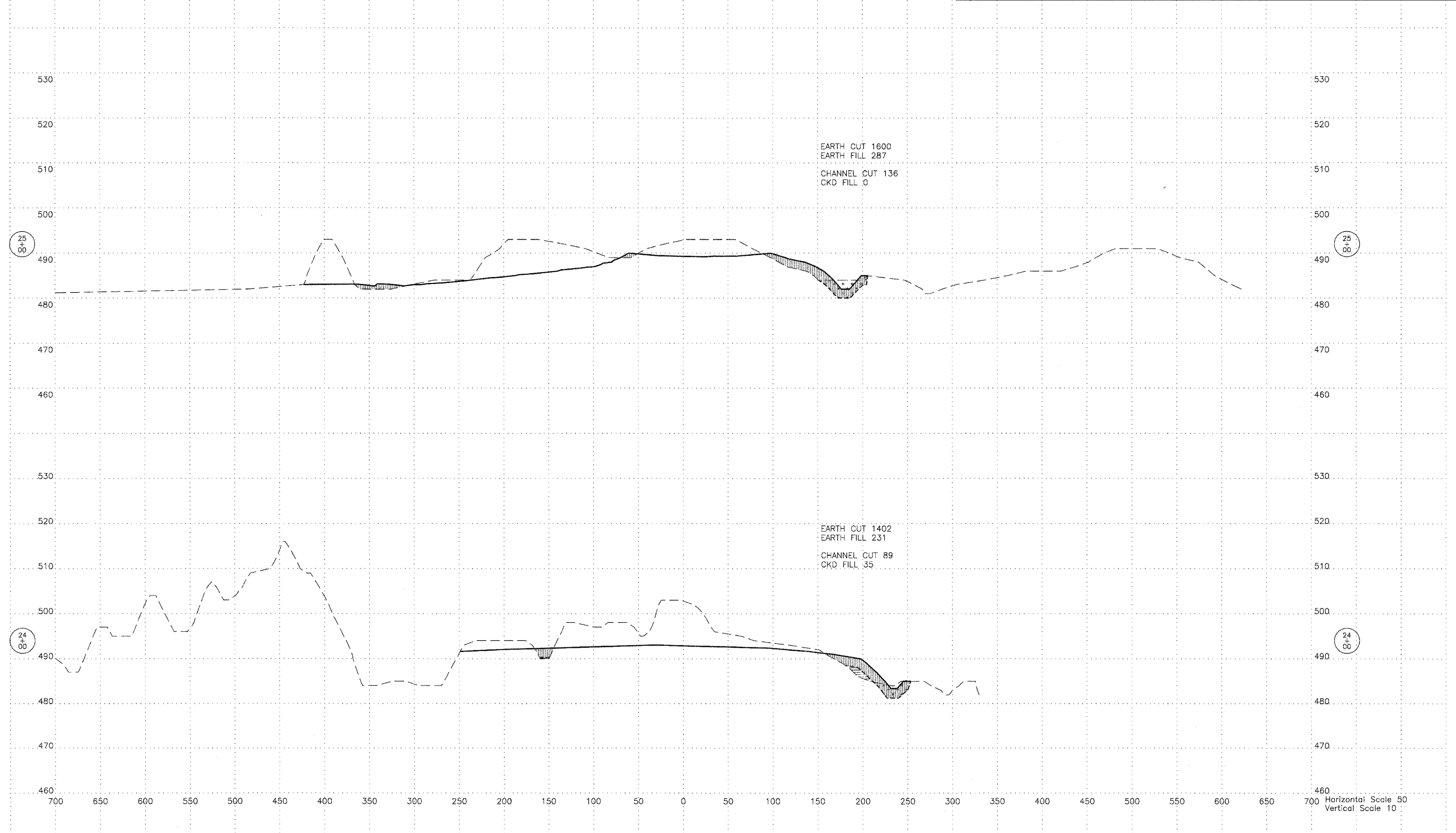






| LEGEND    |                   |                                                                                     |                    |
|-----------|-------------------|-------------------------------------------------------------------------------------|--------------------|
| — — — — — | EXISTING GRADE    |  | CKD FILL (S.F.)    |
| — — — — — | PROPOSED GRADE    |  | EARTH FILL (S.F.)  |
| - - - - - | PROPOSED SUBGRADE |  | EARTH CUT (S.F.)   |
|           |                   |  | CHANNEL CUT (S.F.) |

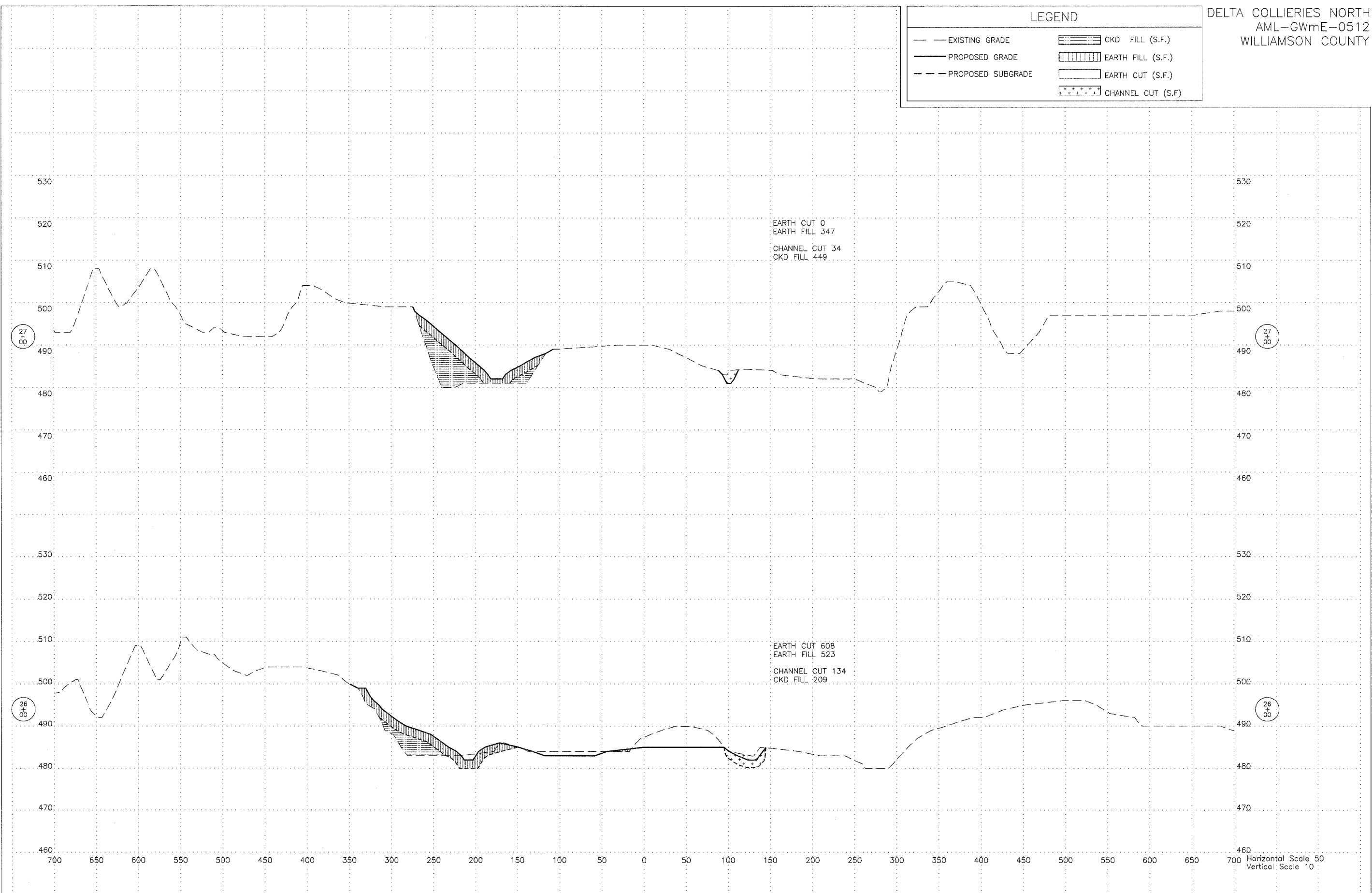


Horizontal Scale 50  
 Vertical Scale 10

| LEGEND |                   |                                                                                     |                    |
|--------|-------------------|-------------------------------------------------------------------------------------|--------------------|
| —      | EXISTING GRADE    |  | CKD FILL (S.F.)    |
| —      | PROPOSED GRADE    |  | EARTH FILL (S.F.)  |
| - - -  | PROPOSED SUBGRADE |  | EARTH CUT (S.F.)   |
| - - -  | PROPOSED SUBGRADE |  | CHANNEL CUT (S.F.) |



| LEGEND |                   |                                                                                     |                    |
|--------|-------------------|-------------------------------------------------------------------------------------|--------------------|
| —      | EXISTING GRADE    |  | CKD FILL (S.F.)    |
| —      | PROPOSED GRADE    |  | EARTH FILL (S.F.)  |
| - - -  | PROPOSED SUBGRADE |  | EARTH CUT (S.F.)   |
|        |                   |  | CHANNEL CUT (S.F.) |

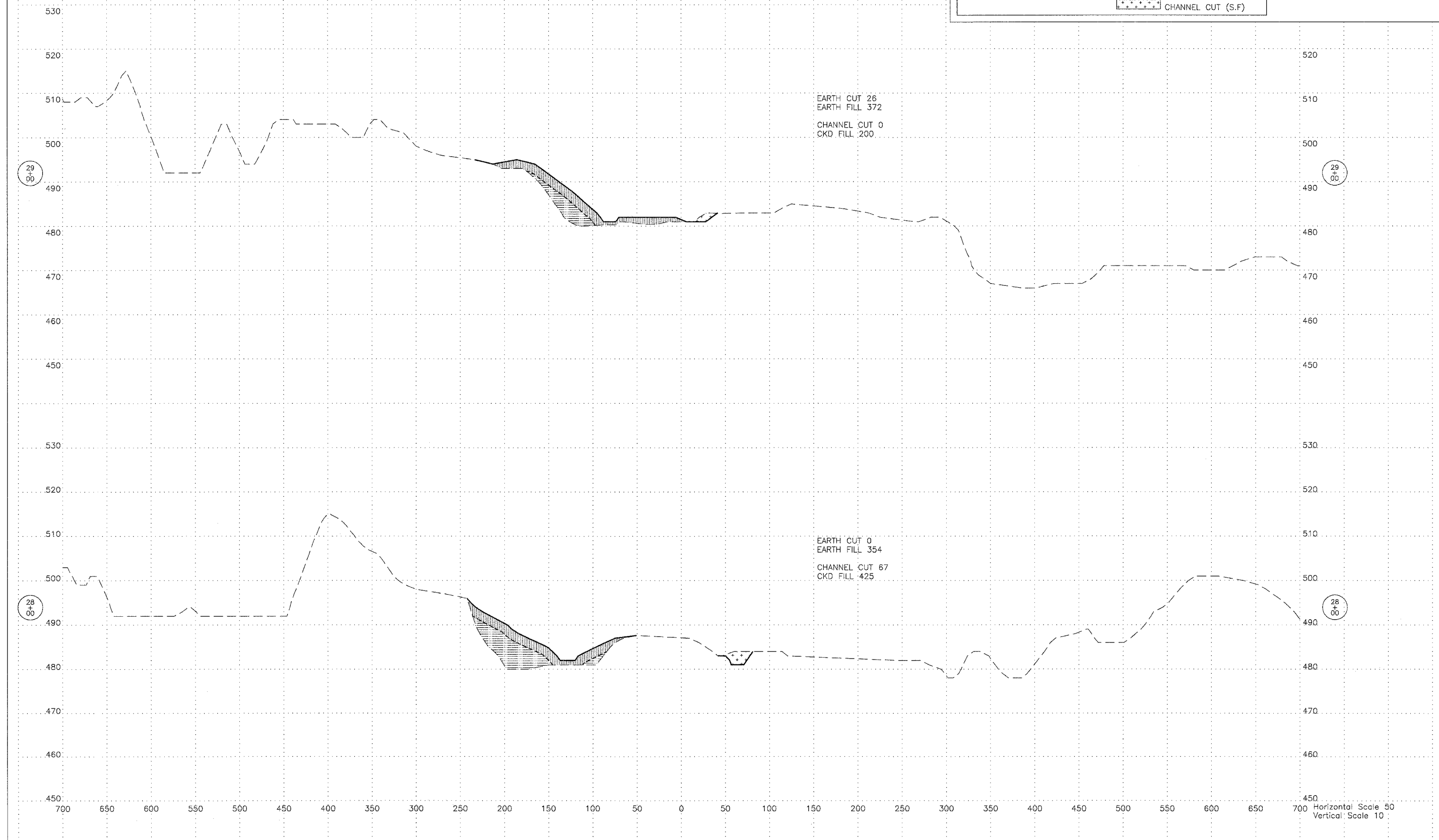


EARTH CUT 0  
 EARTH FILL 347  
 CHANNEL CUT 34  
 CKD FILL 449

EARTH CUT 608  
 EARTH FILL 523  
 CHANNEL CUT 134  
 CKD FILL 209

Horizontal Scale 50  
 Vertical Scale 10

| LEGEND                  |                      |
|-------------------------|----------------------|
| --- EXISTING GRADE      | ▨ CKD FILL (S.F.)    |
| — PROPOSED GRADE        | ▩ EARTH FILL (S.F.)  |
| - - - PROPOSED SUBGRADE | □ EARTH CUT (S.F.)   |
|                         | ⊛ CHANNEL CUT (S.F.) |



Horizontal Scale 80  
 Vertical Scale 10

LEGEND

|       |                   |  |                    |
|-------|-------------------|--|--------------------|
| —     | EXISTING GRADE    |  | CKD FILL (S.F.)    |
| —     | PROPOSED GRADE    |  | EARTH FILL (S.F.)  |
| - - - | PROPOSED SUBGRADE |  | EARTH CUT (S.F.)   |
| - - - |                   |  | CHANNEL CUT (S.F.) |



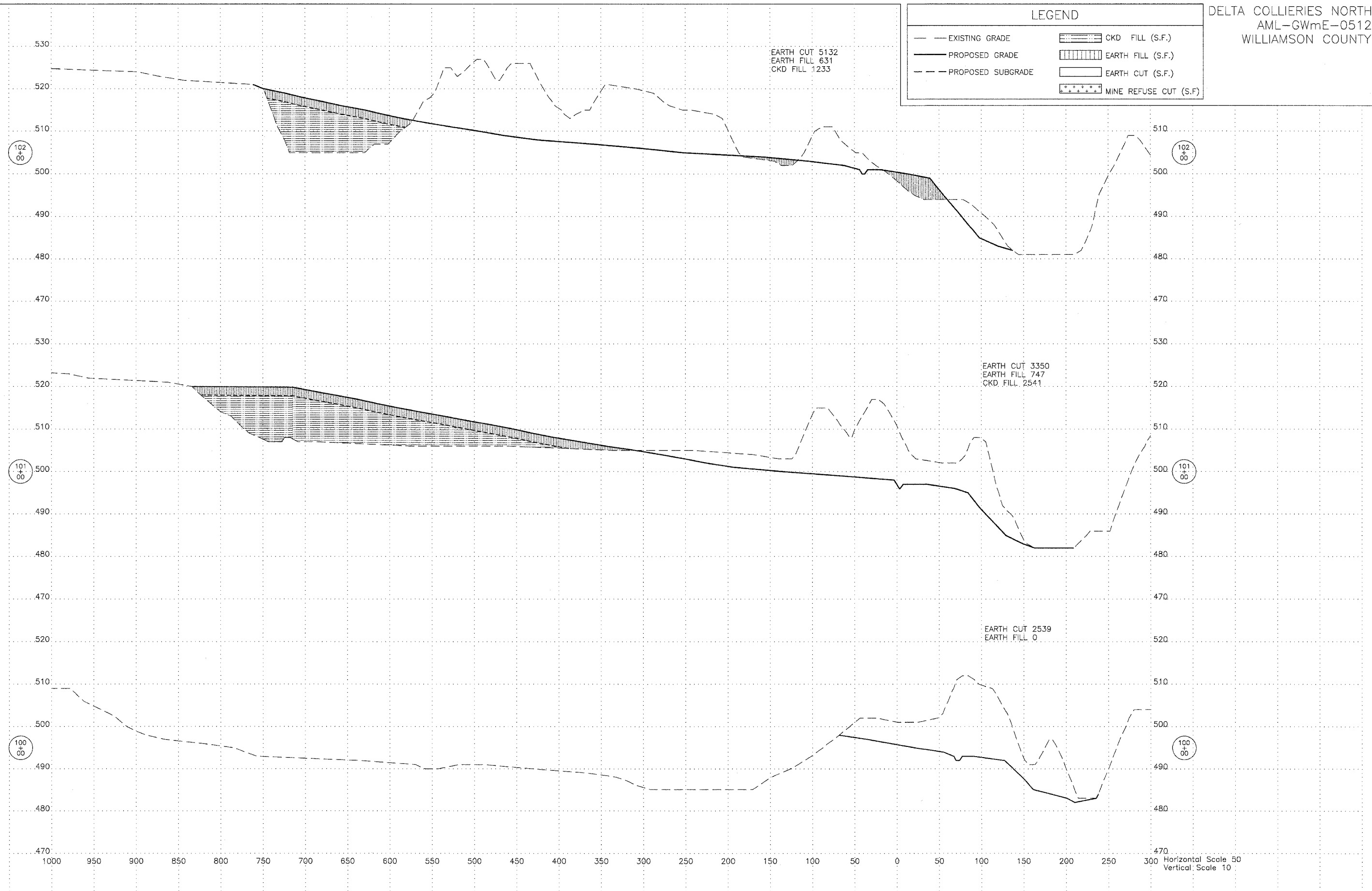
Horizontal Scale 50  
Vertical Scale 10

| LEGEND                  |                        |
|-------------------------|------------------------|
| --- EXISTING GRADE      | CKD FILL (S.F.)        |
| — PROPOSED GRADE        | EARTH FILL (S.F.)      |
| - - - PROPOSED SUBGRADE | EARTH CUT (S.F.)       |
|                         | MINE REFUSE CUT (S.F.) |

EARTH CUT 5132  
 EARTH FILL 631  
 CKD FILL 1233

EARTH CUT 3350  
 EARTH FILL 747  
 CKD FILL 2541

EARTH CUT 2539  
 EARTH FILL 0



Horizontal Scale 50  
 Vertical Scale 10



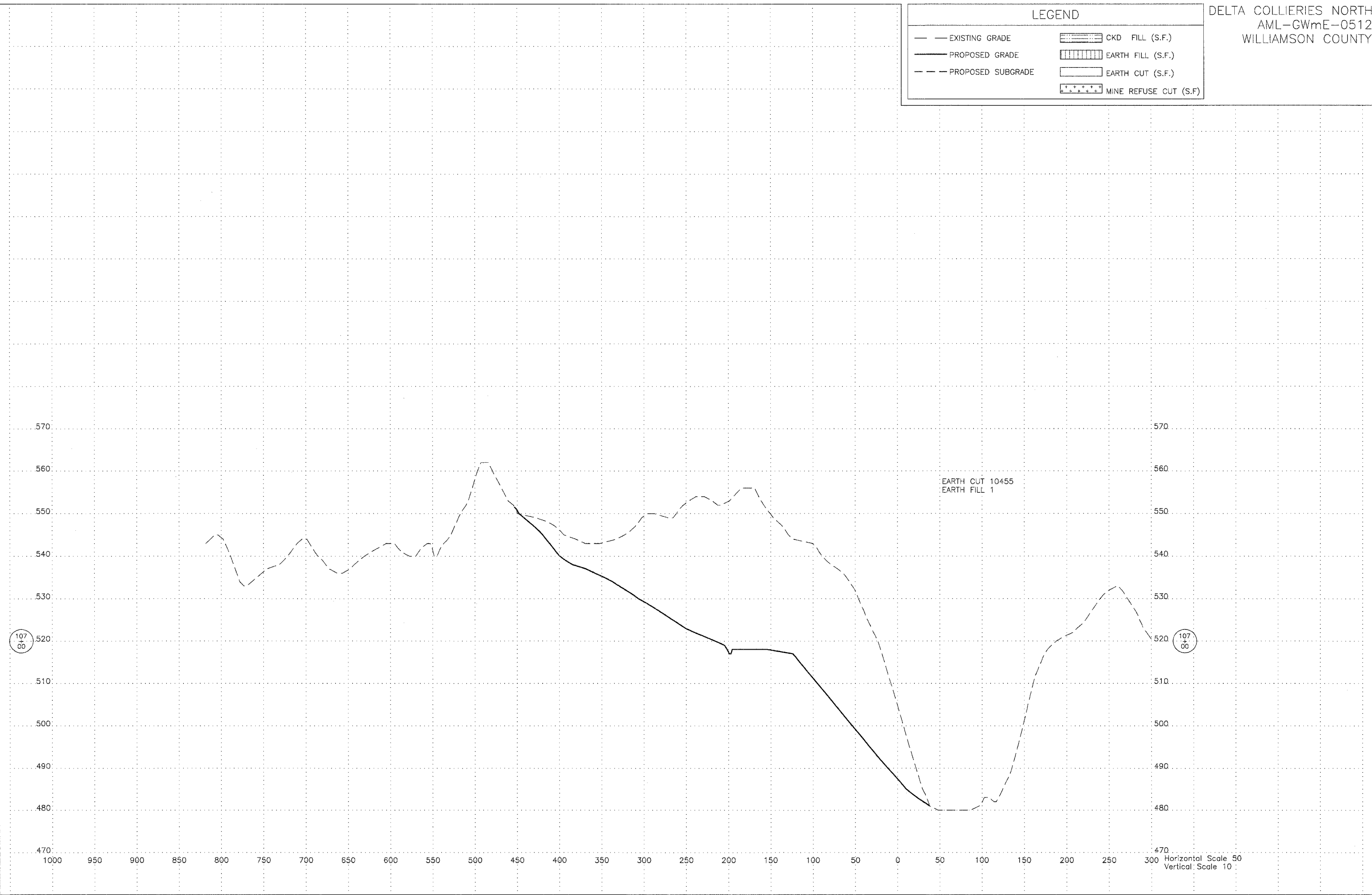


| LEGEND |                   |  |                        |
|--------|-------------------|--|------------------------|
| —      | EXISTING GRADE    |  | CKD FILL (S.F.)        |
| —      | PROPOSED GRADE    |  | EARTH FILL (S.F.)      |
| - - -  | PROPOSED SUBGRADE |  | EARTH CUT (S.F.)       |
|        |                   |  | MINE REFUSE CUT (S.F.) |



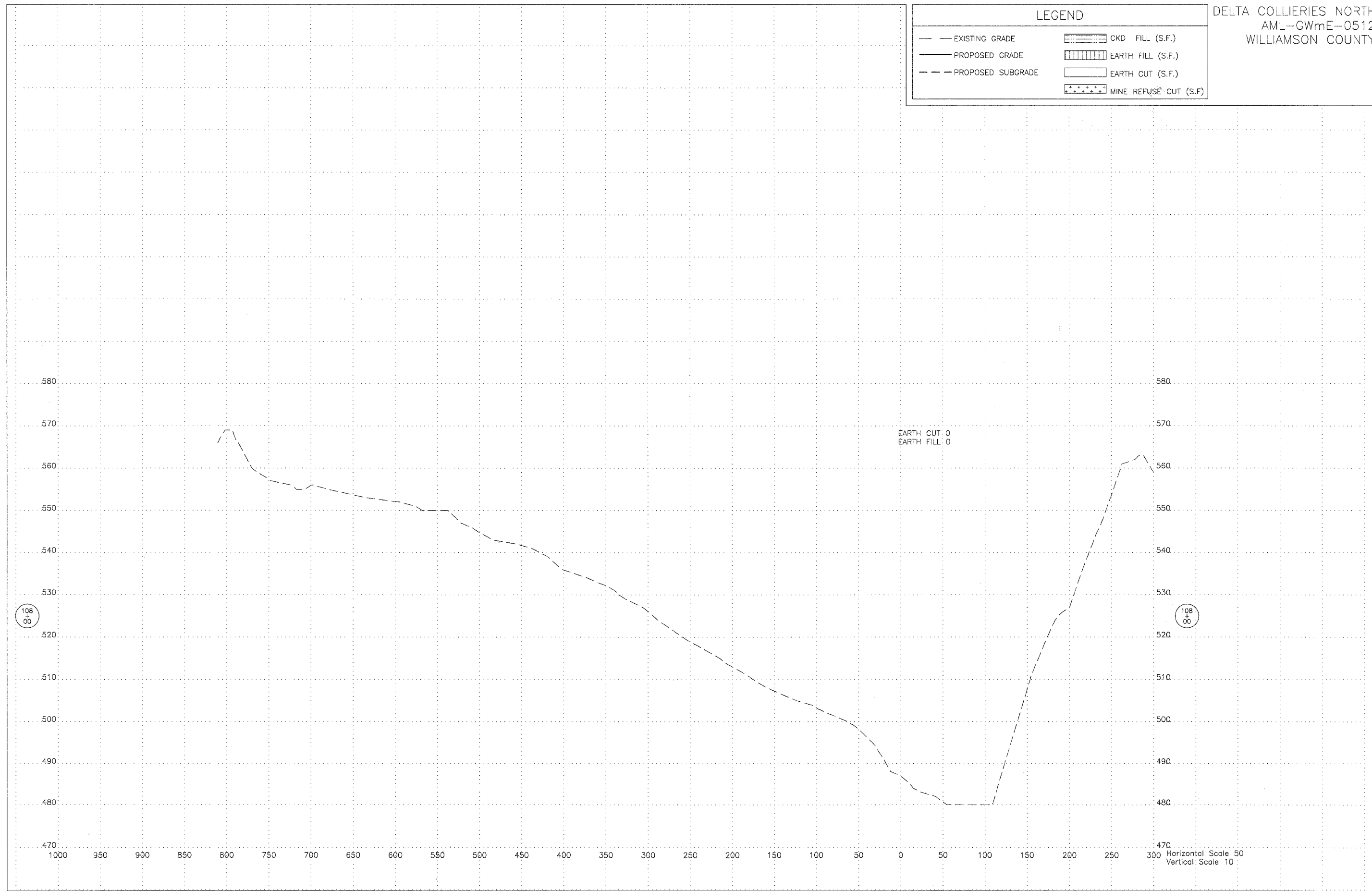
Horizontal Scale 50  
 Vertical Scale 10

| LEGEND                  |                        |
|-------------------------|------------------------|
| — — EXISTING GRADE      | CKD FILL (S.F.)        |
| — — PROPOSED GRADE      | EARTH FILL (S.F.)      |
| - - - PROPOSED SUBGRADE | EARTH CUT (S.F.)       |
|                         | MINE REFUSE CUT (S.F.) |



Horizontal Scale 50  
Vertical Scale 10

| LEGEND                  |                          |
|-------------------------|--------------------------|
| — — EXISTING GRADE      | ▨ CKD FILL (S.F.)        |
| — — PROPOSED GRADE      | ▩ EARTH FILL (S.F.)      |
| - - - PROPOSED SUBGRADE | □ EARTH CUT (S.F.)       |
|                         | ▨ MINE REFUSE CUT (S.F.) |



Horizontal Scale 50  
Vertical Scale 10

