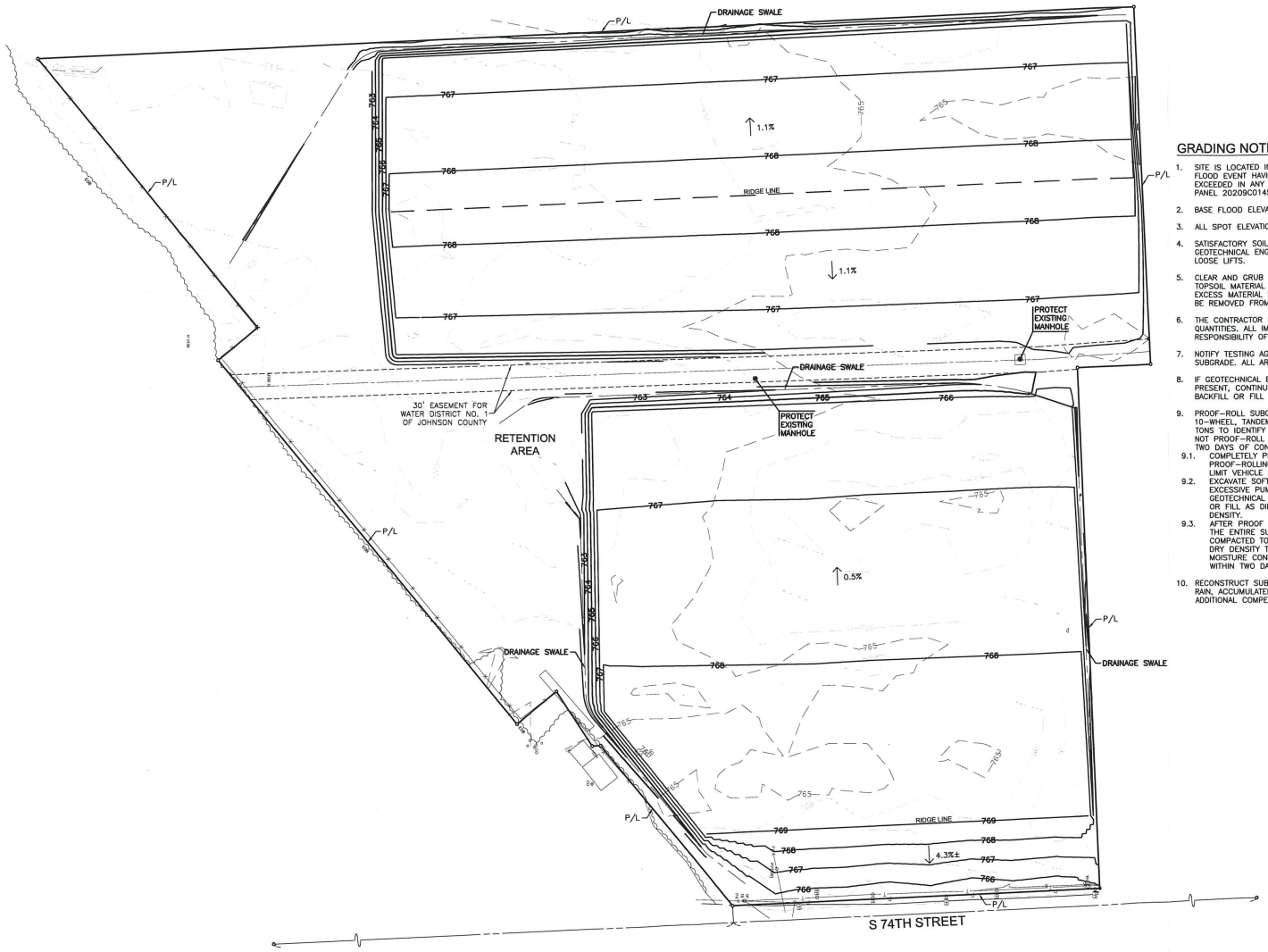

GRADING NOTES:

1. SITE IS LOCATED IN ZONE AE, AREAS THAT WILL BE INUNDATED BY THE FLOOD EVENT HAVING A 1-PERCENT CHANCE OF BEING EQUALED OR EXCEEDED IN ANY GIVEN YEAR. FEMA FIRM PANEL 20209C0134E AND PANEL 20209C0145E, BOTH EFFECTIVE SEPTEMBER 2, 2015.
2. BASE FLOOD ELEVATION IS 766.2.
3. ALL SPOT ELEVATIONS REPRESENT FINISHED GRADE.
4. SATISFACTORY SOIL AND FILL MATERIAL SHALL BE PROVIDED PER THE GEOTECHNICAL ENGINEER. PLACE FILL MATERIAL IN MAXIMUM 6 INCH LOOSE LIFTS.
5. CLEAR AND GRUB IMPROVEMENT AREA. REMOVE ALL ORGANIC AND TOPSOIL MATERIAL REGARDLESS OF SIZE AND DEPTH. ALL CLEARED AND EXCESS MATERIAL SHALL BECOME CONTRACTORS PROPERTY AND SHALL BE REMOVED FROM THE PROJECT SITE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE EARTHWORK QUANTITIES. ALL IMPORT AND EXPORT OF SOIL MATERIAL SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT HIS EXPENSE.
7. NOTIFY TESTING AGENCY WHEN EXCAVATIONS HAVE REACHED REQUIRED SUBGRADE. ALL AREAS SHALL BE COMPACTED TO 95% STANDARD DENSITY.
8. IF GEOTECHNICAL ENGINEER DETERMINES THAT UNSATISFACTORY SOIL IS PRESENT, CONTINUE EXCAVATION AND REPLACE WITH COMPACTED BACKFILL OR FILL MATERIAL AS DIRECTED.
9. PROOF-ROLL SUBGRADE WITH A PNEUMATIC-TIRED AND LOADED 10-WHEEL, TANDEM-AXLE DUMP TRUCK WEIGHING NOT LESS THAN 15 TONS TO IDENTIFY SOFT PACKETS AND AREAS OF EXCESS YIELDING. DO NOT PROOF-ROLL WET OR SATURATED SUBGRADES. PROOF-ROLL WITHIN TWO DAYS OF CONSTRUCTION.
   - 9.1. COMPLETELY PROOF-ROLL SUBGRADE IN ONE DIRECTION, REPEATING PROOF-ROLLING IN DIRECTION PERPENDICULAR TO FIRST DIRECTION. LIMIT VEHICLE SPEED TO 3MPH.
   - 9.2. EXCAVATE SOFT SPOTS, UNSATISFACTORY SOILS, AND AREAS OF EXCESSIVE PUMPING OR RUTTING, AS DETERMINED BY THE GEOTECHNICAL ENGINEER, AND REPLACE WITH COMPACTED BACKFILL OR FILL AS DIRECTED TO THE PROPER MOISTURE CONTENT AND DENSITY.
   - 9.3. AFTER PROOF ROLLING AND REPAIRING DEEP SUBGRADE DEFICIENCIES, THE ENTIRE SUBGRADE SHOULD BE SCARIFIED AND UNIFORMLY COMPACTED TO AT LEAST 95% OF THE STANDARD PROCTOR MAXIMUM DRY DENSITY TO PROVIDE A UNIFORM SUBGRADE FOR CONSTRUCTION. MOISTURE CONTENT AND DENSITY OF SUBGRADE TO BE CHECKED WITHIN TWO DAYS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
10. RECONSTRUCT SUBGRADES DAMAGED BY FREEZING TEMPERATURE, FROST, RAIN, ACCUMULATED WATER, OR CONSTRUCTION ACTIVITIES, WITHOUT ADDITIONAL COMPENSATION.

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KS DEPT AGRICULTURE

SCALE: 1"=60'
0 60 120

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OVERALL GRADING PLAN

PROJECT NO.	2002010653
DATE	03.03.2021
SCALE	1"=60'

DESIGNED	DRAWN	CHECKED
PAH	KWM	BSH

NO.	REVISION	DATE

SHEET NO.
6 OF 12

P:\PROJECTS\2020\2020010653_VS SERVICES, 1930 S 74TH STREET\00 2010653 CAD\SHTS\06 CIVIL\CD\2010653-05-1200-CD.DWG
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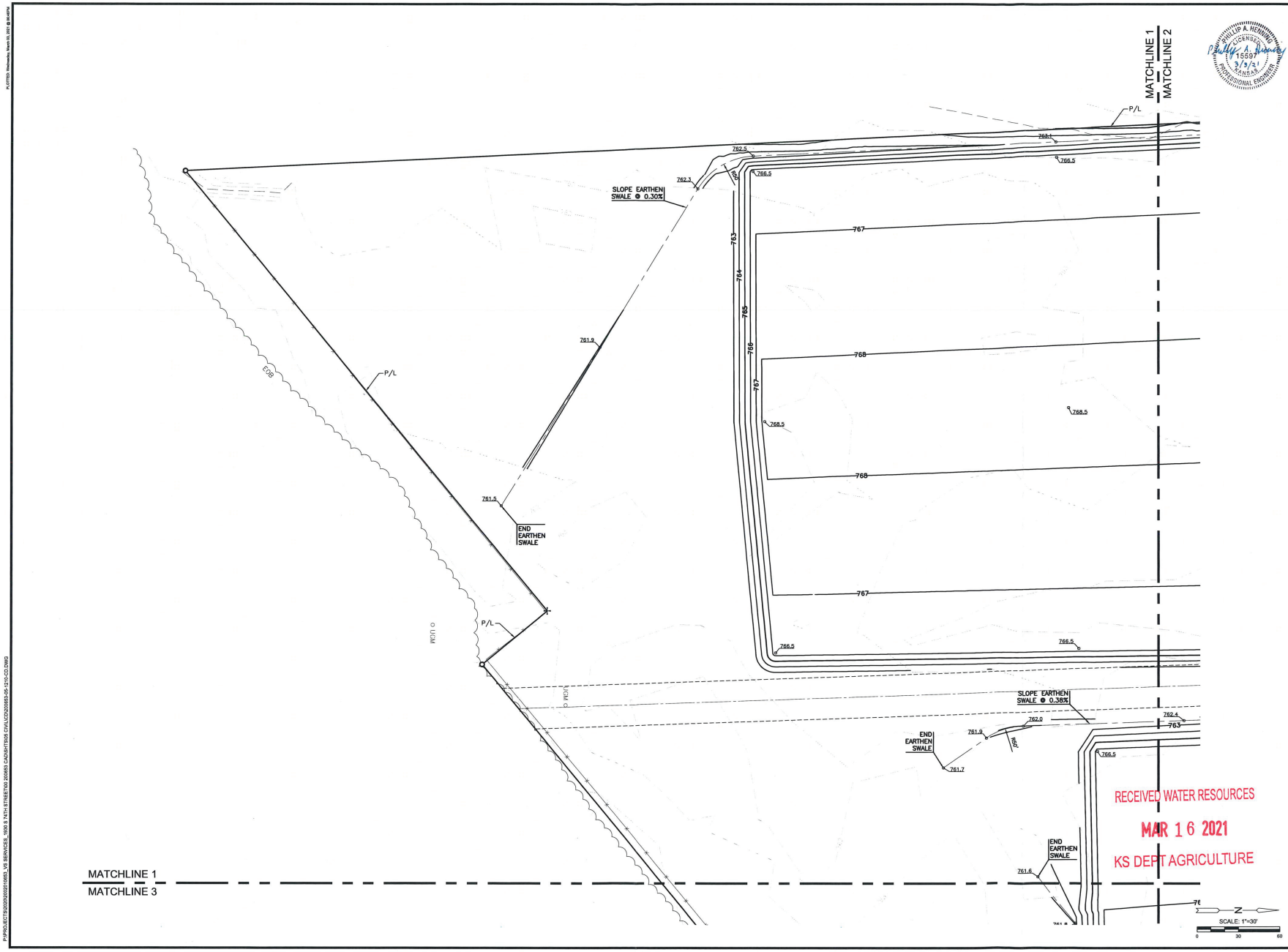

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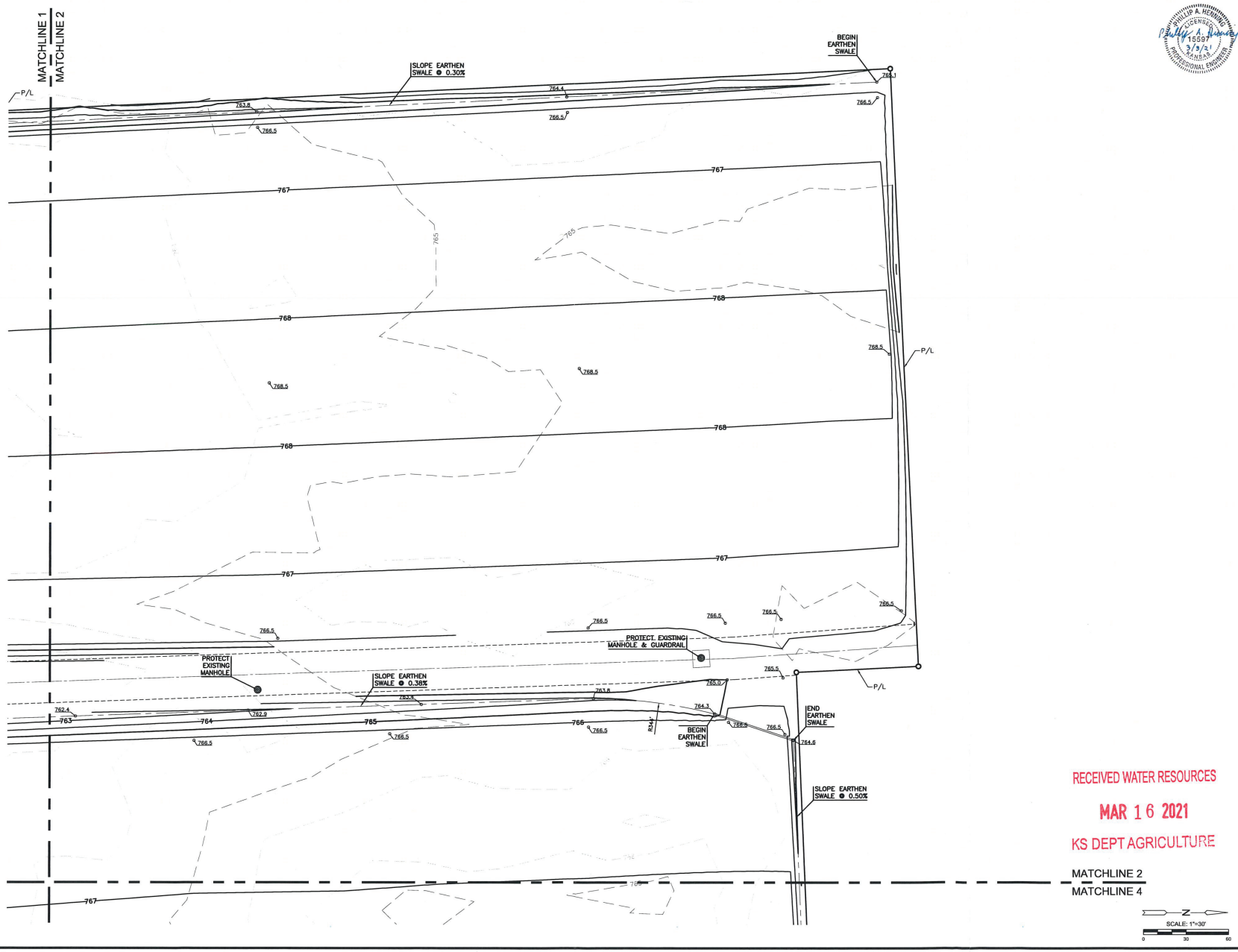
GRADING PLAN 1

PROJECT NO.	2002010653
DATE	03.03.2021
SCALE	1"=30'

DESIGNED	DRAWN	CHECKED
PAH	KWM	BSH

NO.	REVISION	DATE

SHEET NO.
7 OF 12



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GRADING PLAN 2

PROJECT NO.	2002010653
DATE	03.03.2021
SCALE	1"=30'

DESIGNED	DRAWN	CHECKED
PAH	KWM	BSH

NO.	REVISION	DATE

SHEET NO.
8 OF 12

PLOTTED: Wednesday, March 03, 2021 @ 04:46PM
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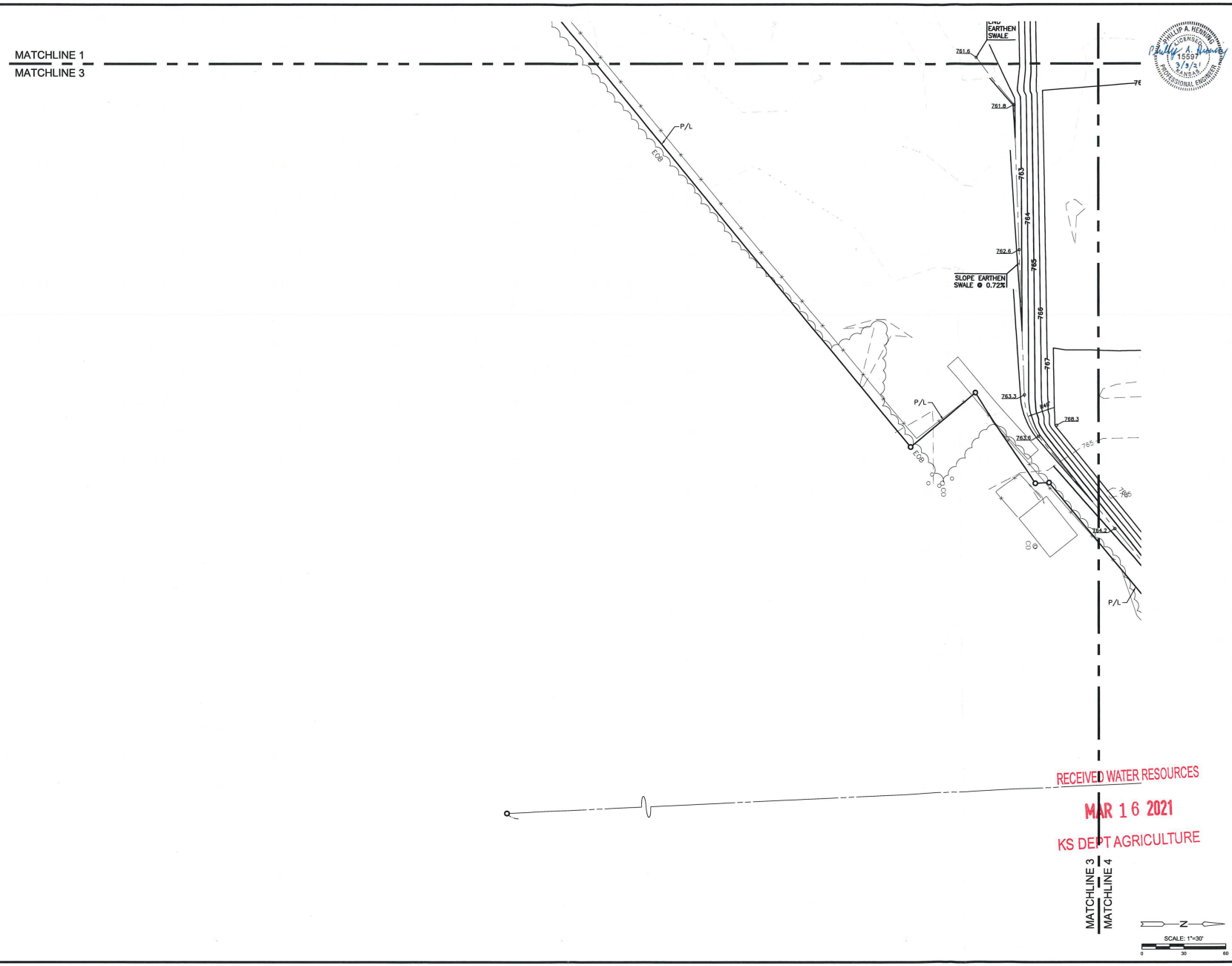

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GRADING PLAN 3

PROJECT NO.	2002010653
DATE	03.03.2021
SCALE	1"=30'

DESIGNED	DRAWN	CHECKED
PAH	KWM	BSH

NO.	REVISION	DATE

SHEET NO.
9 OF 12

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PLOTTED: Wednesday, March 03, 2021 @ 06:48PM

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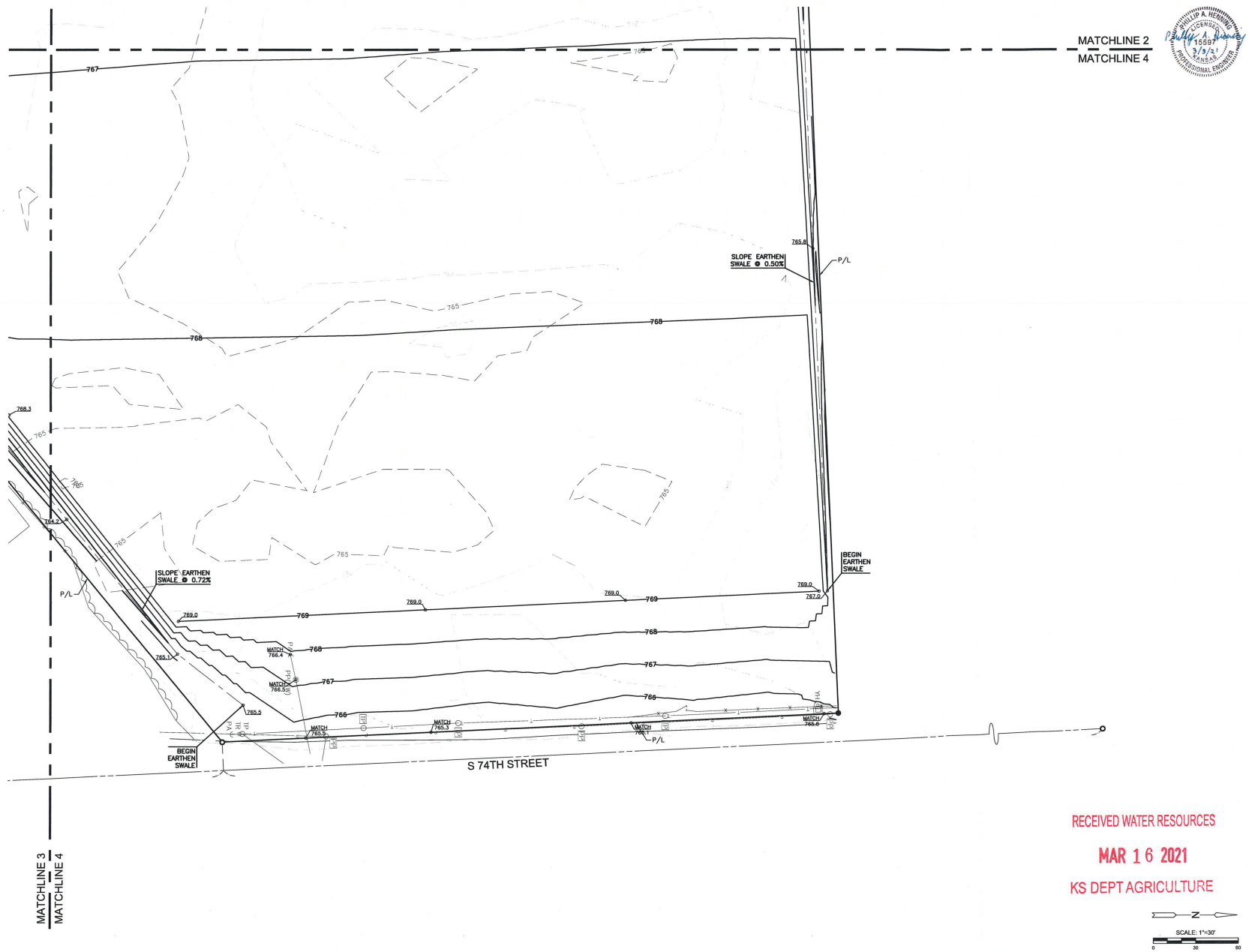

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GRADING PLAN 4

PROJECT NO.	2002010653
DATE	03.03.2021
SCALE	1"=30'

DESIGNED	DRAWN	CHECKED
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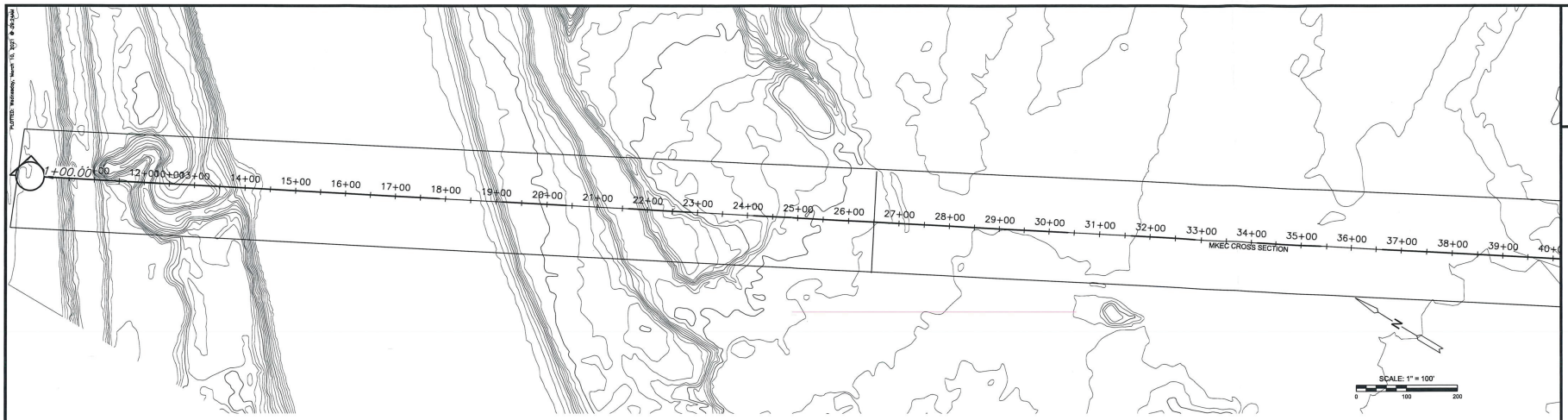
NO.	REVISION	DATE

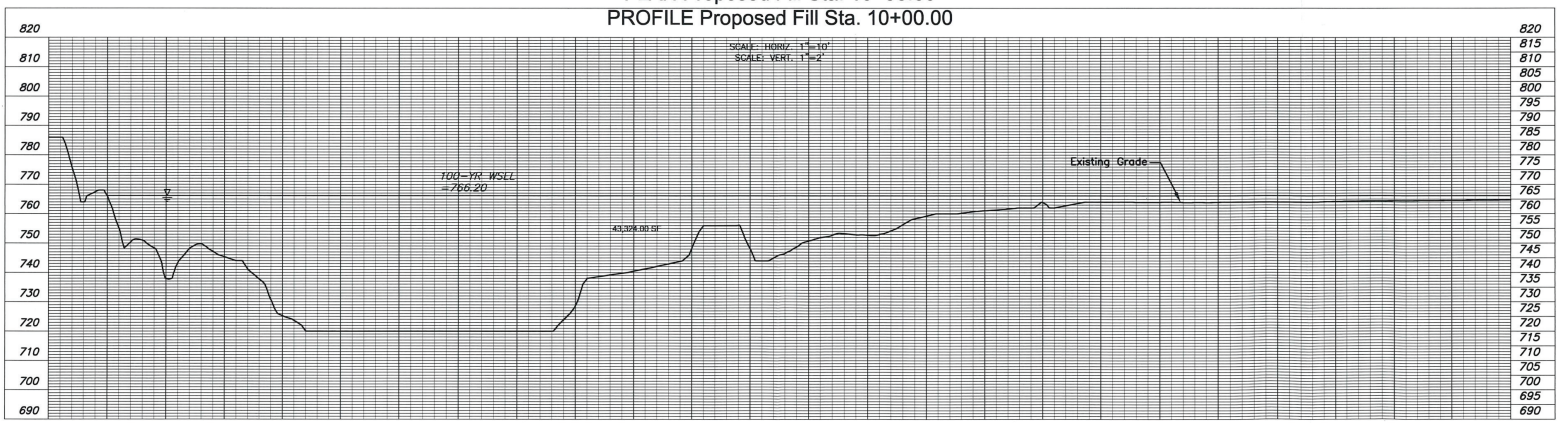
SHEET NO.

10 OF 12



PLAN Proposed Fill Sta. 10+00.00

PROFILE Proposed Fill Sta. 10+00.00



RECEIVED WATER RESOURCES

MAR 16 2021

KS DEPT AGRICULTURE

CROSS SECTIONAL CALCULATION

$$\frac{\text{Cross Sectional Area of Fill}}{\text{Cross Sectional Area of Channel}} = \frac{\text{[illegible] sq. ft.}}{\text{43,324.00 sq. ft.}} \times 100 = 2.3\%$$

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PLAN AND PROFILE FOR

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PLAN AND PROFILE

PROJECT NO.	2002010653
DATE	MAR 2021
SCALE	AS NOTED

DESIGNED	DRAWN	CHECKED
ABW	ABW	KLA

NO.	REVISION	DATE

SHEET NO.

01 OF 02

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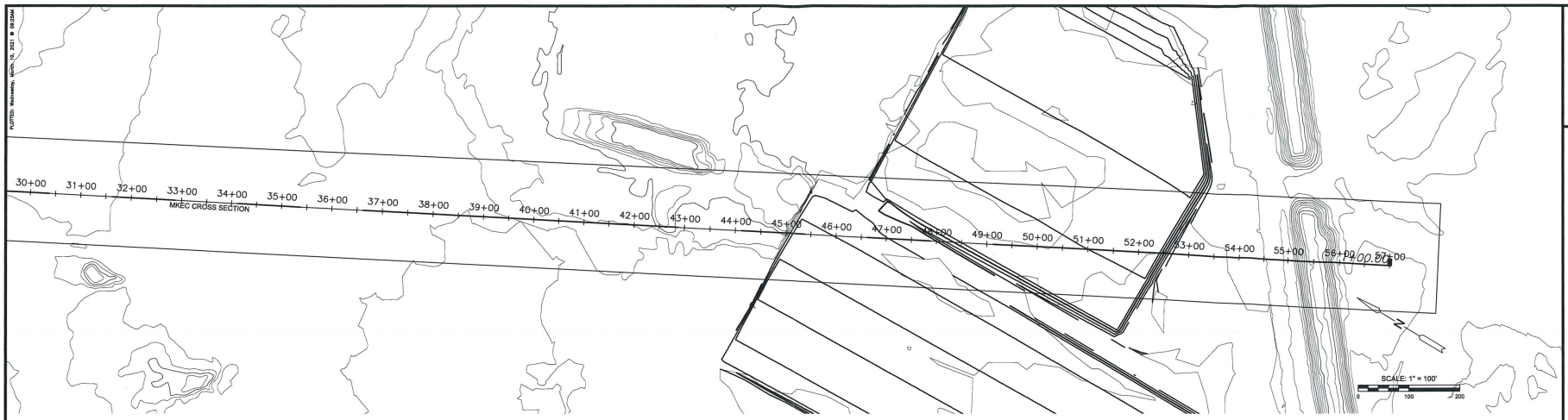
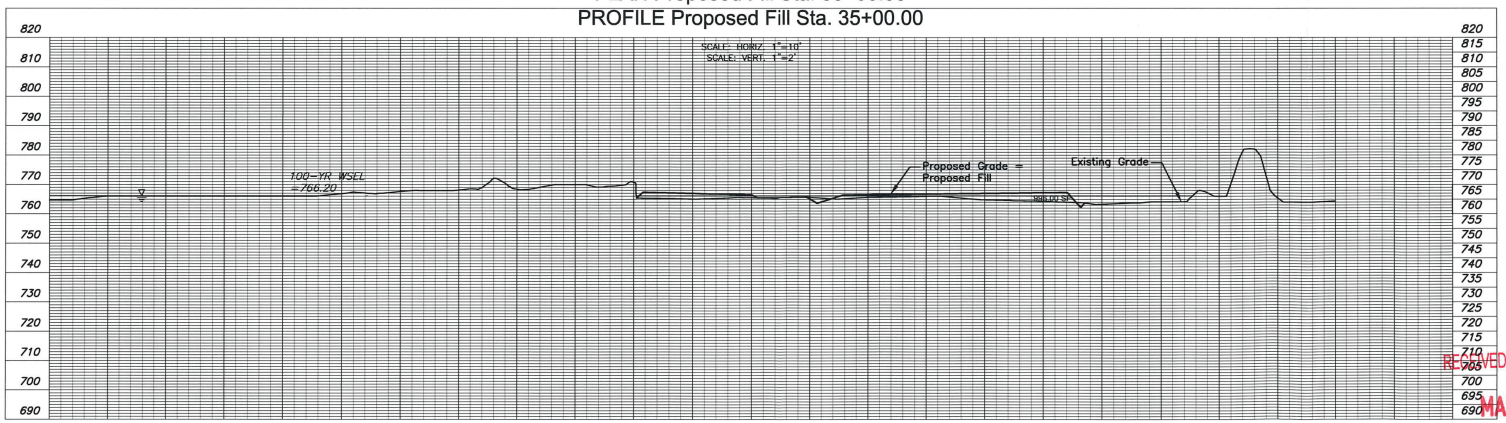


PLAN Proposed Fill Sta. 35+00.00

PROFILE Proposed Fill Sta. 35+00.00



RECEIVED WATER RESOURCES

MAR 16 2021

KS DEPT AGRICULTURE

CROSS SECTIONAL CALCULATION

$$\frac{\text{Cross Sectional Area of Fill } 996.00 \text{ sq. ft.}}{\text{Cross Sectional Area of Channel } 43{,}324.00 \text{ sq. ft.}} = \text{x } 100 = 2.3\%$$

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PLAN AND PROFILE

PROJECT NO.	2002010653
DATE	MAR 2021
SCALE	AS NOTED

DESIGNED	DRAWN	CHECKED
ABW	ABW	KLA

NO.	REVISION	DATE
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02 OF 02

PLOTTED: Wednesday, March 10, 2021 @ 09:25AM
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