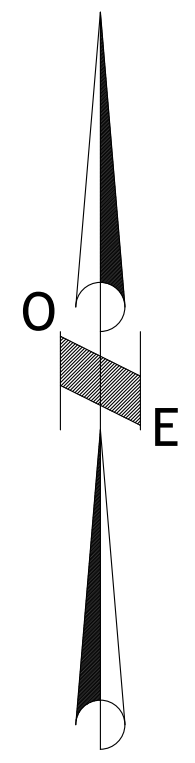


VICINITY MAP



WOLFANGEL ROAD SIDEWALK

ANDERSON TOWNSHIP
HAMILTON COUNTY, OHIO

CR #383
CR #358

INDEX OF SHEETS

TITLE SHEET	1
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GENERAL NOTES AND DETAILS	3-7
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2019 SPECIFICATIONS
THE CONSTRUCTION STANDARDS AND DRAWINGS OF HAMILTON COUNTY AND THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION, INCLUDING CHANGES AND GENERAL NOTES LISTED IN THE PLAN, SHALL GOVERN THIS IMPROVEMENT. THE MOST RESTRICTIVE SHALL APPLY.

PROJECT DESCRIPTION
THIS PROJECT INVOLVES THE INSTALLATION OF SIDEWALK ON THE WEST SIDE OF THE WOLFANGEL ROAD, THE SOUTH SIDE OF CLOUGH PIKE AND THE EAST SIDE OF WOLFANGEL ROAD, NORTH OF CLOUGH PIKE IN ANDERSON TOWNSHIP, HAMILTON COUNTY. NEW CURB WILL ALSO BE INSTALLED FOR A PORTION OF THE PROJECT.

EARTH DISTURBED AREAS
PROJECT EARTH DISTURBED AREA = XX ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA = XX ACRES
NOTICE OF INTENT (NOI) EARTH DISTURBED AREA = XX ACRES

50% PLANS NOT FOR CONSTRUCTION

UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig



OHIO811.org
Before You Dig

OHIO811. 8-1-1. or 1-800-362-2764
(Non-members must be called directly)



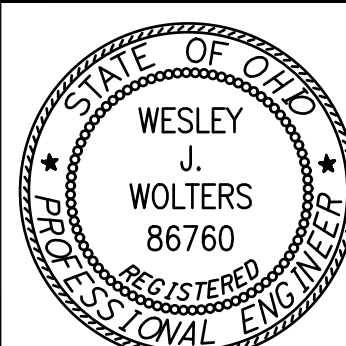
440 E. HOEWISHER ROAD | SIDNEY, OHIO 45365 | 937.497.0200
8956 GLENDALE MILFORD ROAD, SUITE 1 | LOVELAND, OHIO 45140 | 513.239.8554

www.CHOICEONEENGINEERING.com
DECEMBER 23, 2022

Approved _____
Date _____ ANDERSON TOWNSHIP

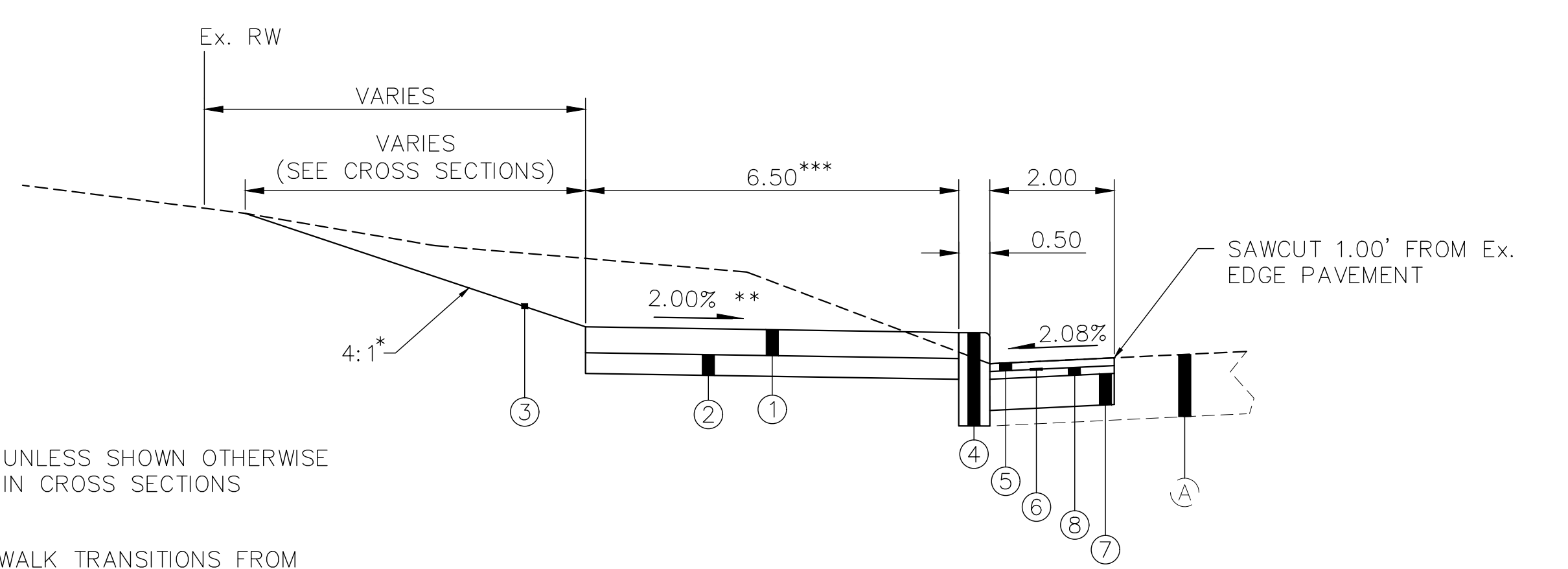
CHOICE ONE ENGINEERING
RELEASE FOR AGENCY REVIEW
DECEMBER 23, 2022

STANDARD CONSTRUCTION DRAWINGS	ODOT STANDARD CONSTRUCTION DRAWINGS
	ODOT SUPPLEMENTAL SPECIFICATIONS
	800 XXX

WESLEY J. WOLTERS, P.E. P.E. - #86760	XX/XX/2022 DATE	
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REVISIONS:
FILE NAME GTA
DRAWN BY JSM
CHECKED BY WJW
PROJECT No. HAMAND2202
SHEET NUMBER 1 OF 35

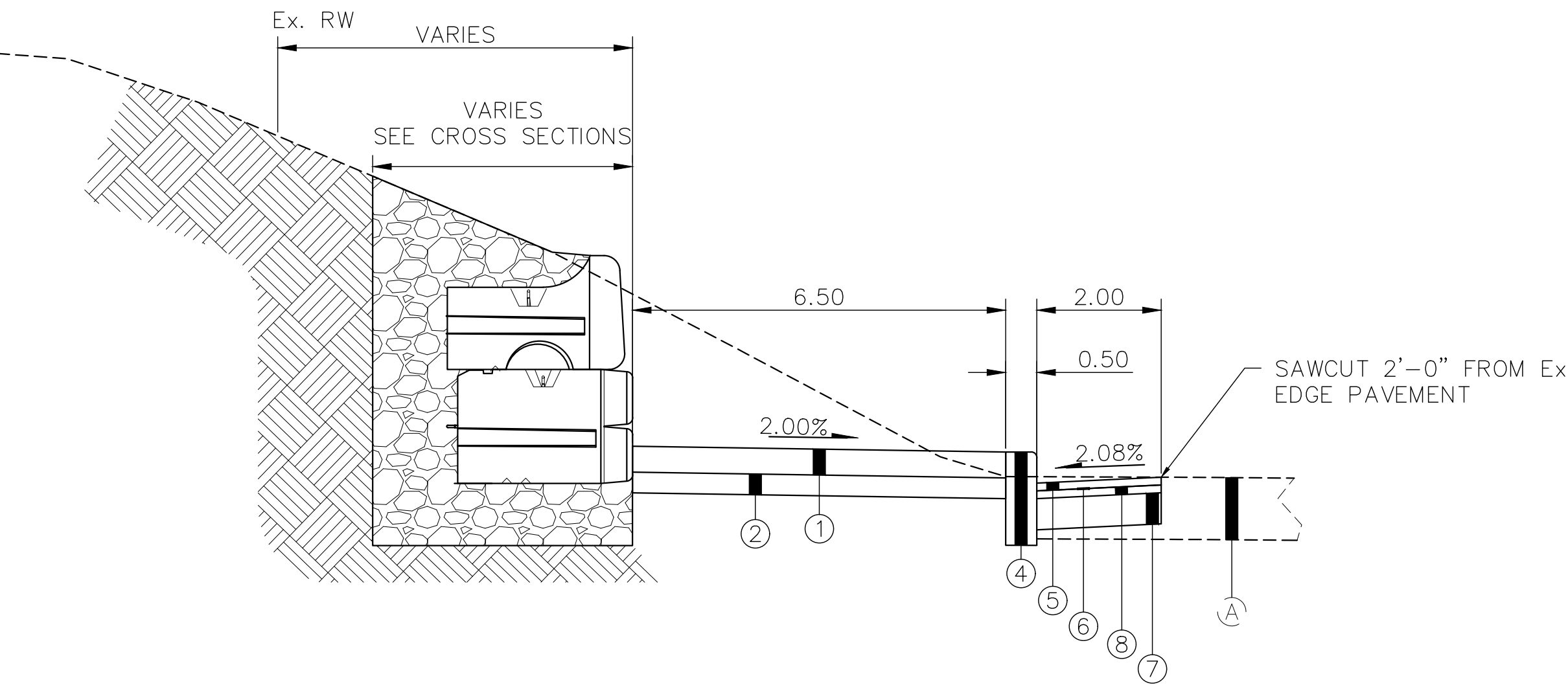
Z:\project\Hamilton\AndersonTownship\HAM-AND-2202WolfangelSidewalk\HAMAND2202-GT001.dwg 22-Dec-22 4:04 PM



WOLFANGEL ROAD TYPICAL WITH WALK AND CURB ATTACHED, WALK SLOPING TOWARDS CURB

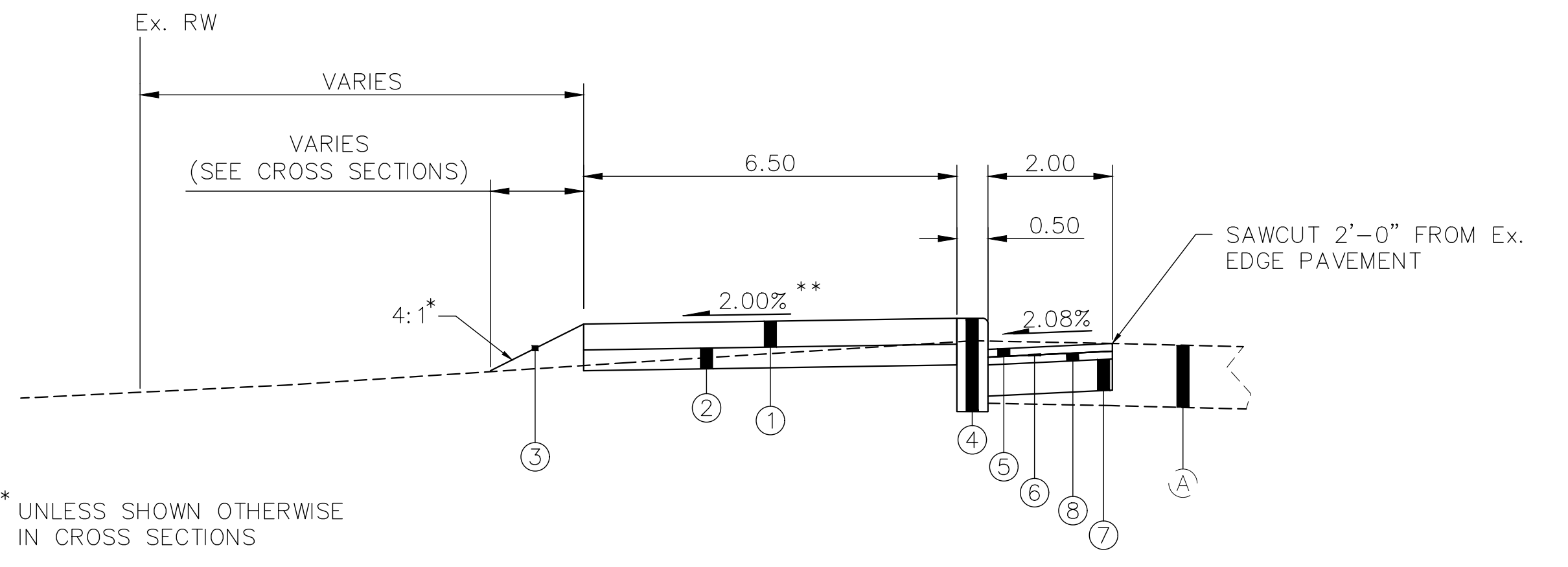
STA. X+XX TO STA. X+XX=X.XX'
STA. X+XX TO STA. X+XX = X.XX'
STA. X+XX TO STA. X+XX = X.XX'

* UNLESS SHOWN OTHERWISE IN CROSS SECTIONS
** WALK TRANSITIONS FROM +2.00% TO -2.00% FROM STATION X+XX TO STATION X+XX.
*** WALK AT STATIONS X+XX AND X+XX IS REDUCED DOWN TO X'.



WOLFANGEL ROAD TYPICAL WITH RETAINING WALL

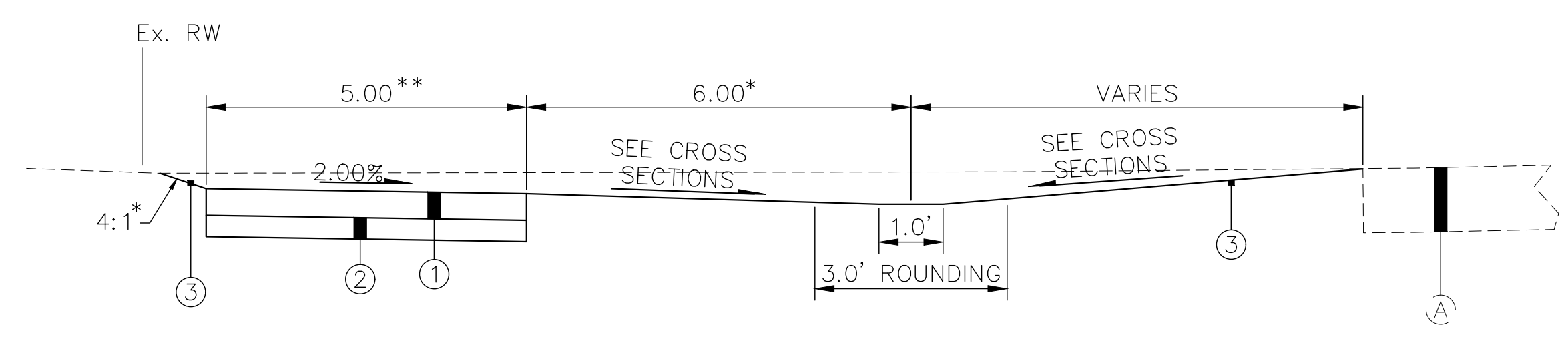
STA. X+XX TO STA. X+XX = X.XX'
STA. X+XX TO STA. X+XX = X.XX'



WOLFANGEL ROAD TYPICAL WITH WALK AND CURB ATTACHED, WALK SLOPING AWAY FROM CURB

STA. X+XX TO STA. X+XX = X.XX'

* UNLESS SHOWN OTHERWISE IN CROSS SECTIONS
** WALK TRANSITIONS FROM 2.00% TO -2.00% FROM STATION X+XX TO STATION X+XX.



WOLFANGEL ROAD TYPICAL SECTION WITH BUFFER

* UNLESS SHOWN OTHERWISE IN CROSS SECTIONS
** WALK TRANSITIONS FROM 6' TO 5' FROM STATION X+XX TO STATION X+XX.
STA. X+XX TO STA. X+XX = X.XX'
STA. X+XX TO STA. X+XX = X.XX'

TYPICAL SECTION LEGEND

- ① ITEM 608 – 5" CONCRETE SIDEWALK
- ② ITEM 411 – 3" STABILIZED CRUSHED AGGREGATE
- ③ ITEM 659 – SEEDING AND MULCHING, CLASS 1, AS PER PLAN
- ④ ITEM 609 – TYPE 6 CURB, AS PER PLAN
- ⑤ ITEM 441 – 1-1/2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449), PG64-22
- ⑥ ITEM 407 – NON-TRACKING TACK COAT, SURFACE COURSE, (APPLIED AT 0.06 GAL./S.Y.)
- ⑦ ITEM 301 – 6" ASPHALT CONCRETE BASE, PG64-22
- ⑧ ITEM 441 – 1-1/2" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)
- Ⓐ EXISTING PAVEMENT AND BASE (DEPTH UNKNOWN)

ABBREVIATIONS/SYMBOLS LEGEND

- TREE REMOVED
- SANITARY MANHOLE ADJUSTED TO GRADE
- PROPOSED POLE (BY OTHERS)
- DO NOT DISTURB
- REMOVE
- RELOCATE
- BY OTHERS
- ADJUST TO GRADE
- RECONSTRUCT TO GRADE
- REMOVE AND RESET
- TO BE ABANDONED
- CURB RAMP
- BC – PROPOSED BACK OF CURB ELEVATION
- FW – PROPOSED FACE OF WALK ELEVATION
- D – PROPOSED CENTERLINE DITCH ELEVATION
- HP – PROPOSED HIGHPOINT ELEVATION

PLAN - HATCH LEGEND

- CONCRETE WALK:**
ITEM 608, 5" CONCRETE WALK
ITEM 411, 3" STABILIZED CRUSHED AGGREGATE
- CURB RAMPS:**
ITEM 608, CURB RAMP
ITEM 411, 3" STABILIZED CRUSHED AGGREGATE (COST INCIDENTAL TO ITEM 608)
- RESIDENTIAL CONCRETE DRIVES:**
ITEM 452, 7" NON-REINFORCED CONCRETE PAVEMENT, AS PER PLAN
ITEM 304, 4" AGGREGATE BASE, AS PER PLAN
- SAWCUT AND FULL DEPTH PAVEMENT REPAIR AREA**
SEE TYPICAL SECTION
- ASPHALT DRIVES**
ITEM 441, 1-1/2" ASPHALT CONCRETE, SURFACE COURSE, TYPE 1, (449), PG64-22
ITEM 407, NON-TRACKING TACK COAT, SURFACE COURSE, (APPLIED AT 0.06 GAL./S.Y.)
ITEM 441, 2-1/2" ASPHALT CONCRETE, INTERMEDIATE COURSE, TYPE 2, (449)
ITEM 304, 4" AGGREGATE BASE, AS PER PLAN

EQUIPMENT REQUIRED TO COMPLETE THIS ITEM OF WORK.

CONTRACTOR SHALL SUBMIT MANUFACTURER SPECIFICATIONS AND COLOR FOR FINAL APPROVAL TO THE TOWNSHIP PRIOR TO ORDERING MATERIAL.

SIDEWALK AND CURB JOINTS

1. GENERAL: CONSTRUCT ISOLATION, CONSTRUCTION, AND CONTRACTION JOINTS, AND TOOL EDGINGS TRUE TO LINE WITH FACES PERPENDICULAR TO SURFACE PLANE OF CONCRETE. CONSTRUCT TRANSVERSE JOINTS AT RIGHT ANGLES TO CENTERLINE, UNLESS OTHERWISE INDICATED.

a. WHEN JOINING EXISTING SIDEWALK OR CURB, PLACE TRANSVERSE JOINTS TO ALIGN WITH PREVIOUSLY-PLACED JOINTS, UNLESS OTHERWISE INDICATED.

2. CONSTRUCTION JOINTS: SET CONSTRUCTION JOINTS AT SIDE AND END TERMINATION OF SIDEWALK OR CURB AND AT LOCATIONS WHERE SIDEWALK OR CURB OPERATIONS ARE STOPPED FOR MORE THAN ONE-HALF HOUR, UNLESS SIDEWALK OR CURB TERMINATES AT ISOLATION JOINTS.

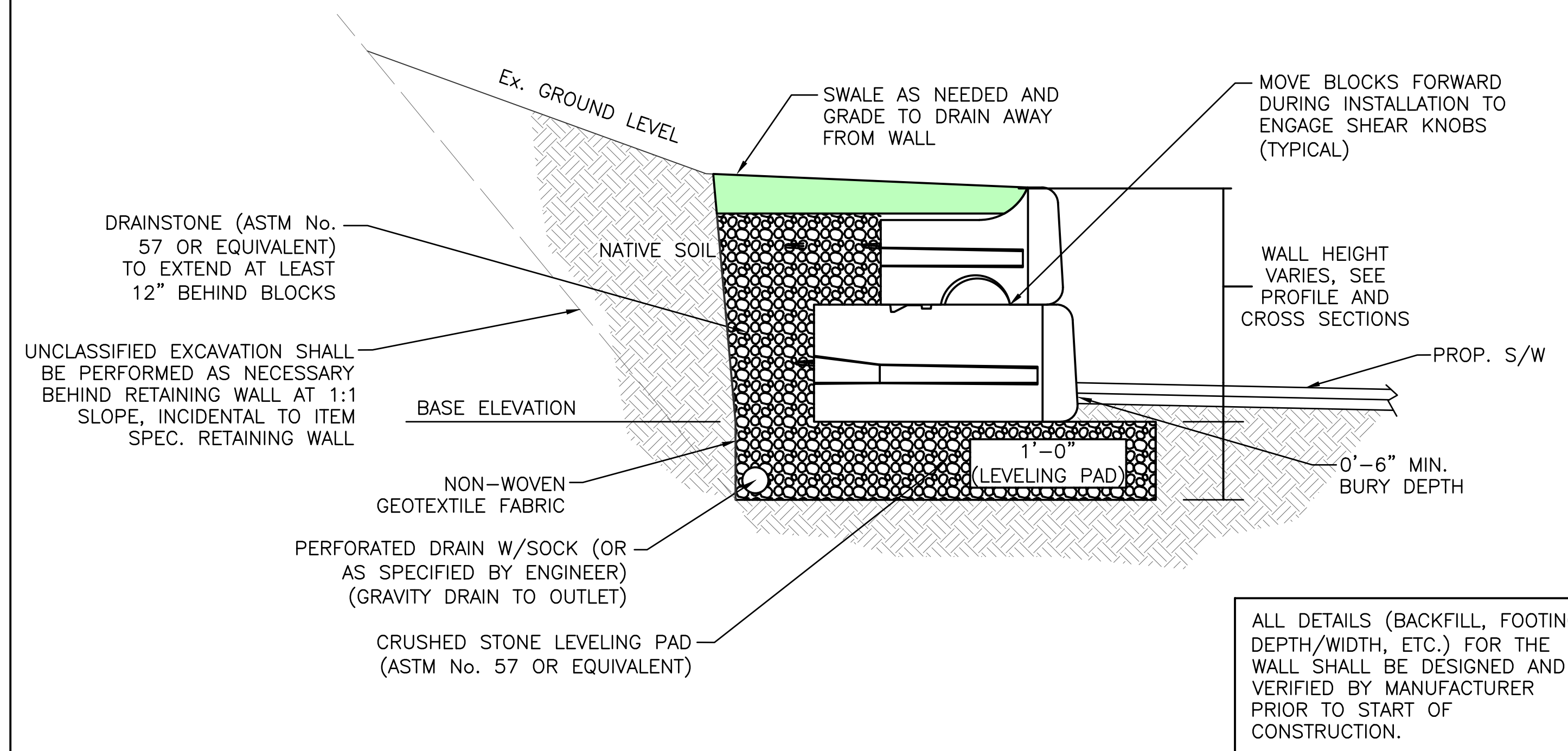
3. ISOLATION JOINTS: FORM ISOLATION JOINTS OF PREFORMED JOINT-FILLER STRIPS ABUTTING MANHOLES, STRUCTURES, WALKS, OTHER FIXED OBJECTS, AND WHERE INDICATED.

a. LOCATE EXPANSION JOINTS AT INTERVALS OF 60' IN SIDEWALK AND 200' IN CURB, UNLESS OTHERWISE INDICATED.
 b. THE EXPANSION JOINT MATERIAL SHALL BE FOAM TECH BY NMW, INC. OR EQUIVALENT. THE EXPANSION JOINT MATERIAL SHALL HAVE A "PEEL-OFF" TOP FOR CAULKING PURPOSES.
 c. REMOVE "PEEL-OFF" TOP AFTER CONCRETE IS SET AND MAKE SURE THE EXPANSION JOINT MATERIAL IS 1/2" - 3/4" BELOW THE FINISHED CONCRETE SURFACE.
 d. PLACE JOINT FILLER (SONOLASTIC ULTRA, EUCOLASTIC 1, OR EQUIVALENT) IN LIME STONE COLOR IN THE TOP 1/2" - 3/4" OF JOINT FOLLOWING MANUFACTURER INSTALLATION RECOMMENDATION. CONTRACTOR TO PLACE WHITE SILICA SAND ON TOP OF JOINT FILLER AFTER INITIAL SET.

4. CONTRACTION JOINTS: FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED IN THE PLANS. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS, WHERE INDICATED, AS FOLLOWS:

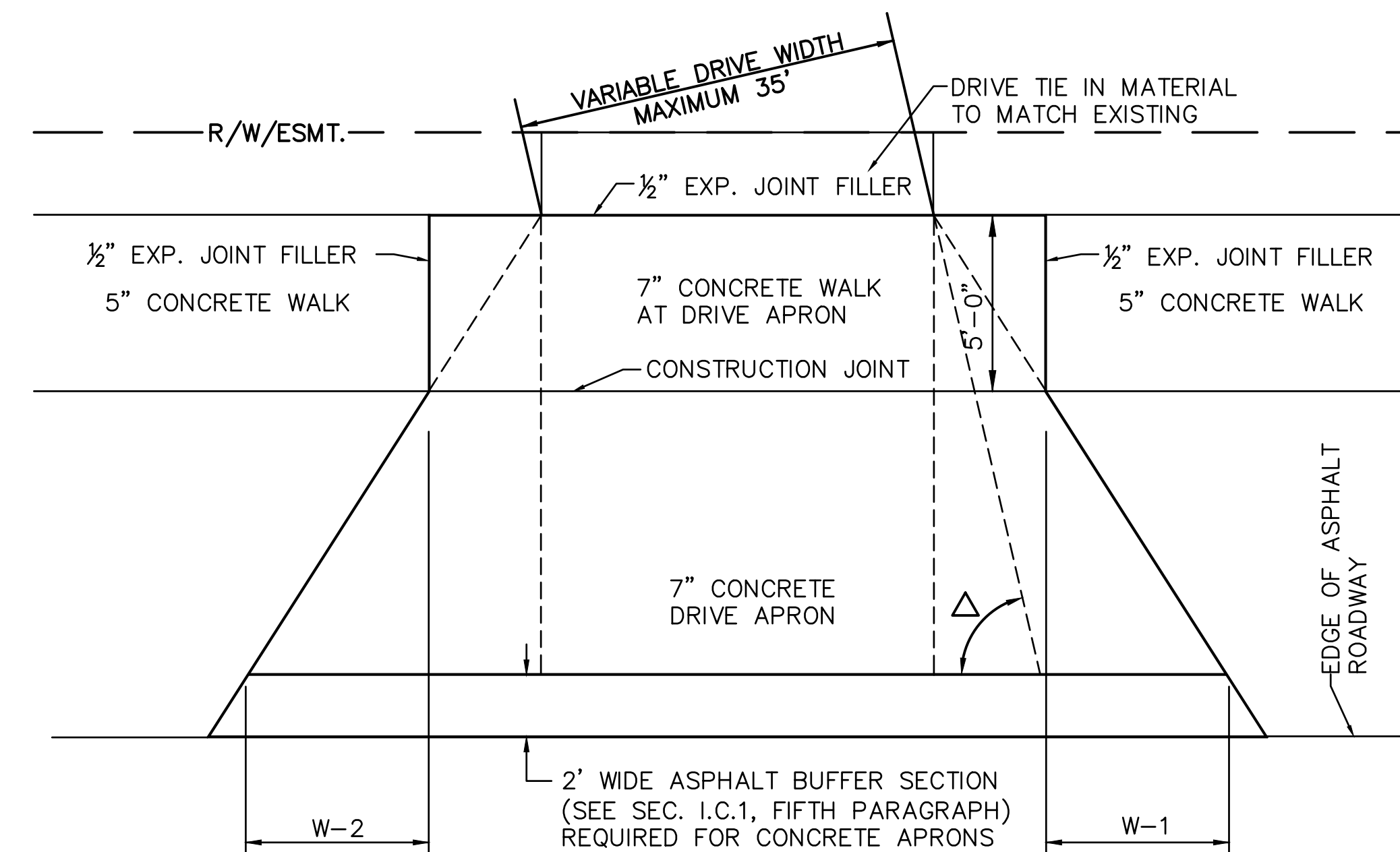
a. GROOVED JOINTS: FORM CONTRACTION JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVER TOOL TO THE FOLLOWING RADIUS. ELIMINATE GROOVER OVERFLOW SLURRY MARKS ON CONCRETE SURFACES PRIOR TO FINAL BROOMING. RADIUS TO BE 1/4" (6 MM).
 b. SAWED JOINTS WILL NOT BE PERMITTED.
 c. QUALITY WORK, AS DETERMINED BY THE TOWNSHIP, SHALL BE PERFORMED OR THE NEW SIDEWALK OR CURB WILL BE REMOVED AND REDONE AT THE CONTRACTOR'S EXPENSE.

5. CURING COMPOUND: APPLY 2 COATS OF SUPER DIAMOND CLEAR CURING AND SEALING COMPOUND, WR MEADOWS, INC. CS-309-25, OR APPROVED EQUIVALENT PER MANUFACTURER'S RECOMMENDATIONS, ON ALL SURFACES, INCLUDING BACK, IMMEDIATELY AFTER FINISHING SURFACES.



**RETAINING WALL
PRELIMINARY SECTION
(NO SCALE)**

ALL DETAILS (BACKFILL, FOOTING DEPTH/WIDTH, ETC.) FOR THE WALL SHALL BE DESIGNED AND VERIFIED BY MANUFACTURER PRIOR TO START OF CONSTRUCTION.



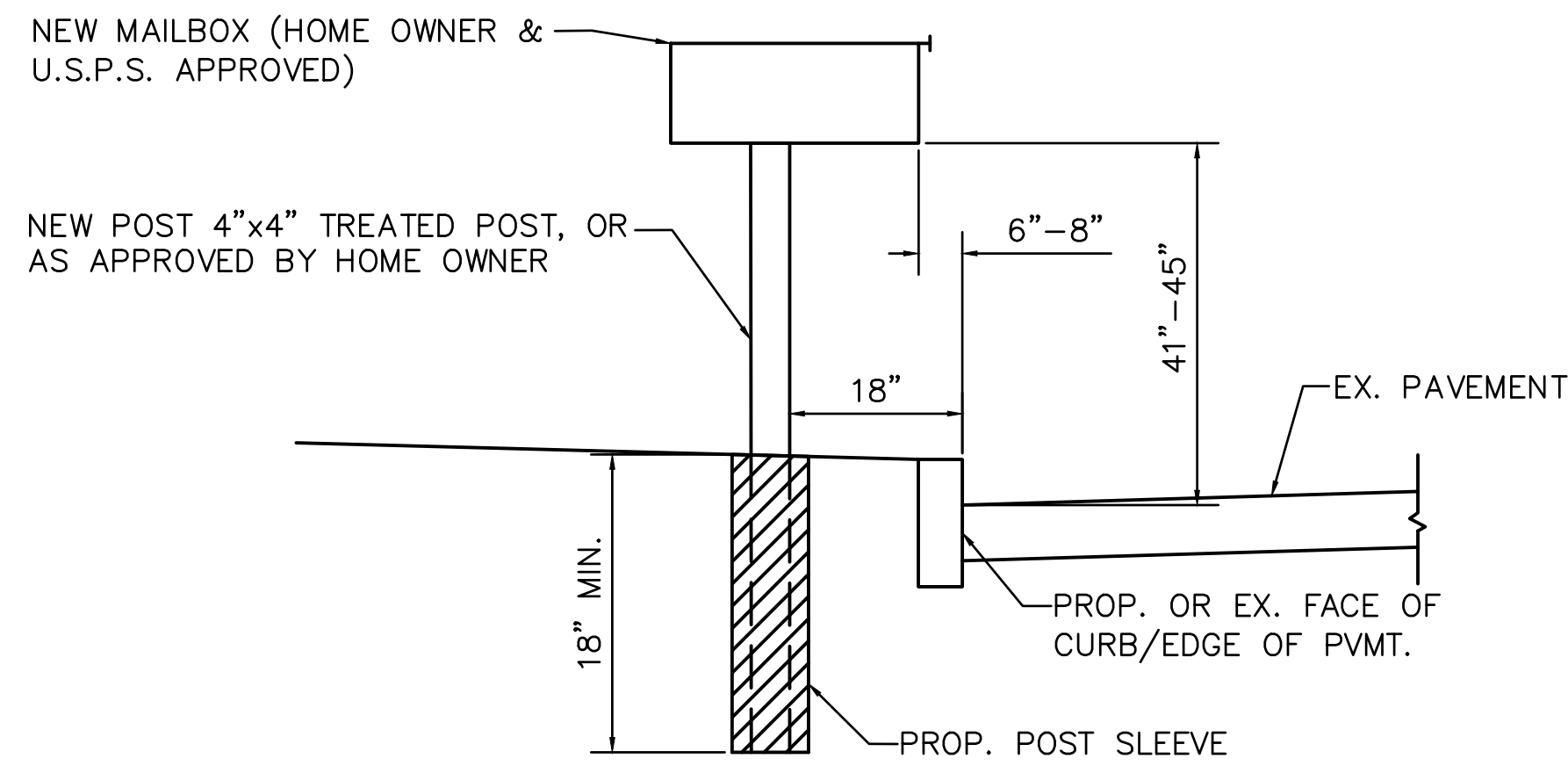
Δ	W-1	W-2
30°-40°	11.0	5.0
40°-50°	10.0	5.0
50°-60°	9.0	5.0
60°-70°	8.0	5.0
70°-80°	7.0	5.0
80°-90°	6.0	5.0
90°	5.0	5.0

TYPICAL DRIVEWAY DETAIL (WITH WALK AND NO CURB)

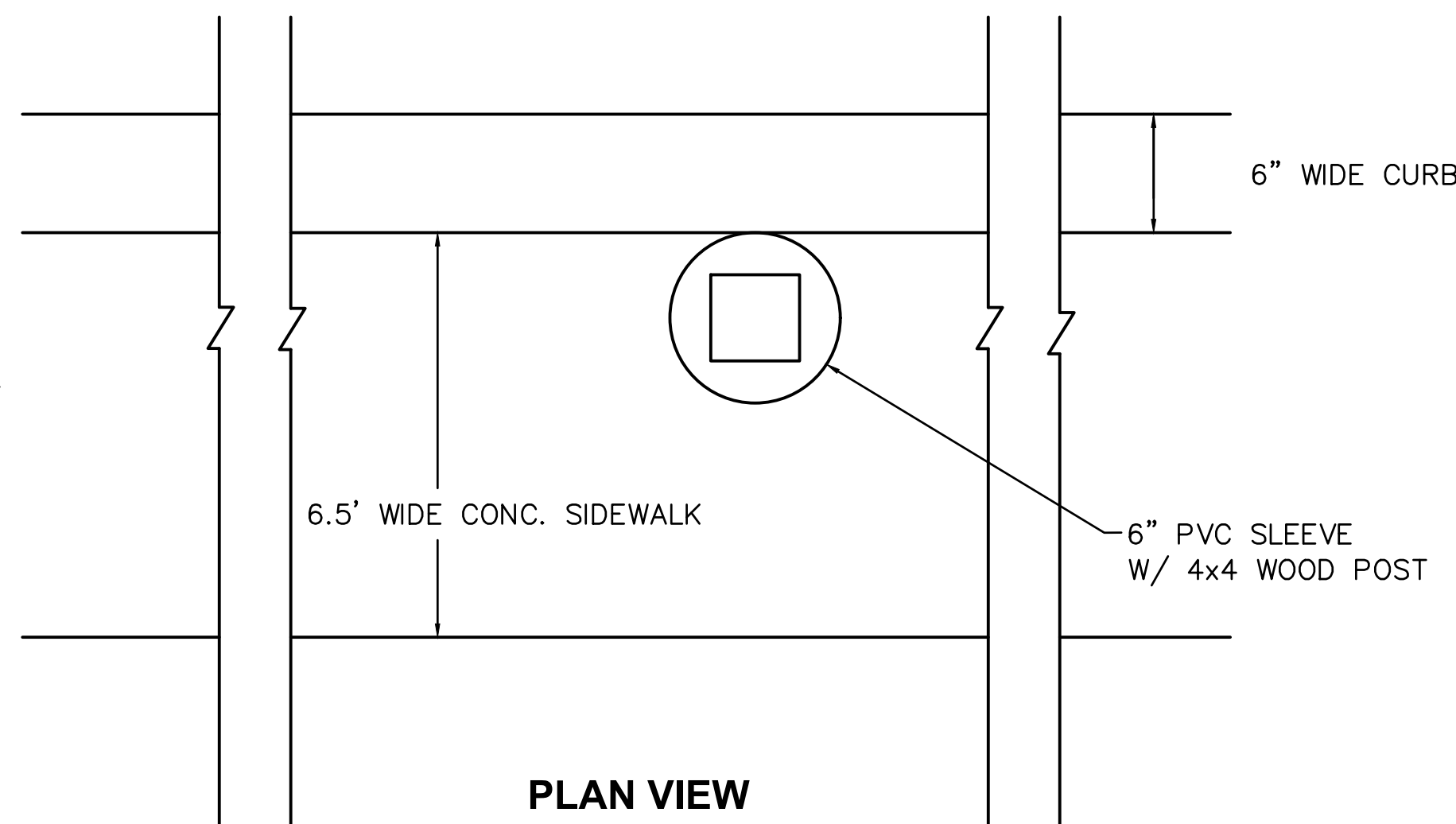
PLATE No. 7

REVISIONS:

FILE NAME
GNC
 DRAWN BY
JSM
 CHECKED BY
WJW
 PROJECT No.
HAMAND2202
 DATE
12/23/2022
 SHEET NUMBER



SECTION VIEW



PLAN VIEW

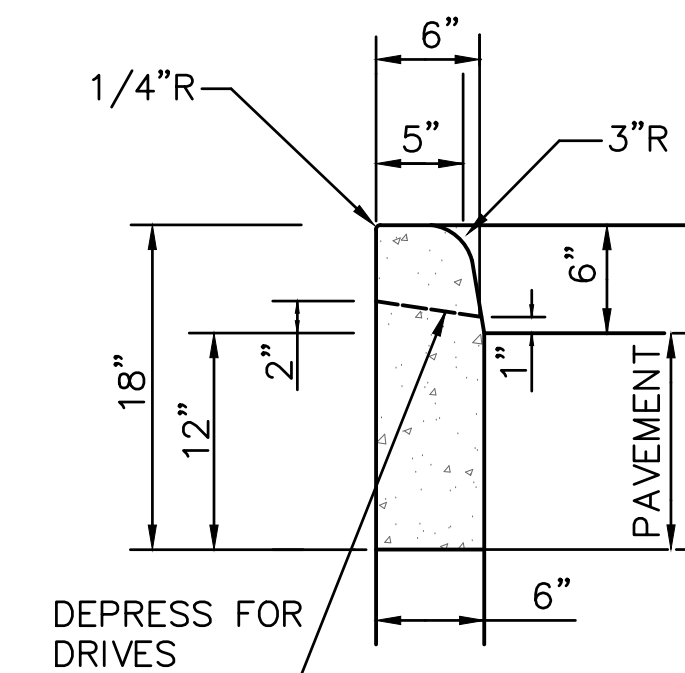
NOTE:

- A. PVC SLEEVE IS FILLED WITH 10" OF STONE WITH 2" OF GROUT ON SURFACE.
- B. ALL COSTS TO REMOVE EX. MAILBOX (MB) & POST, INSTALLING POST SLEEVE AT NEW LOCATION, FURNISHING & INSTALLING NEW POST & MB & INSTALLING THEM IN SLEEVE ARE INCLUDED IN UNIT COST BID FOR EACH, MAILBOX RELOCATION.

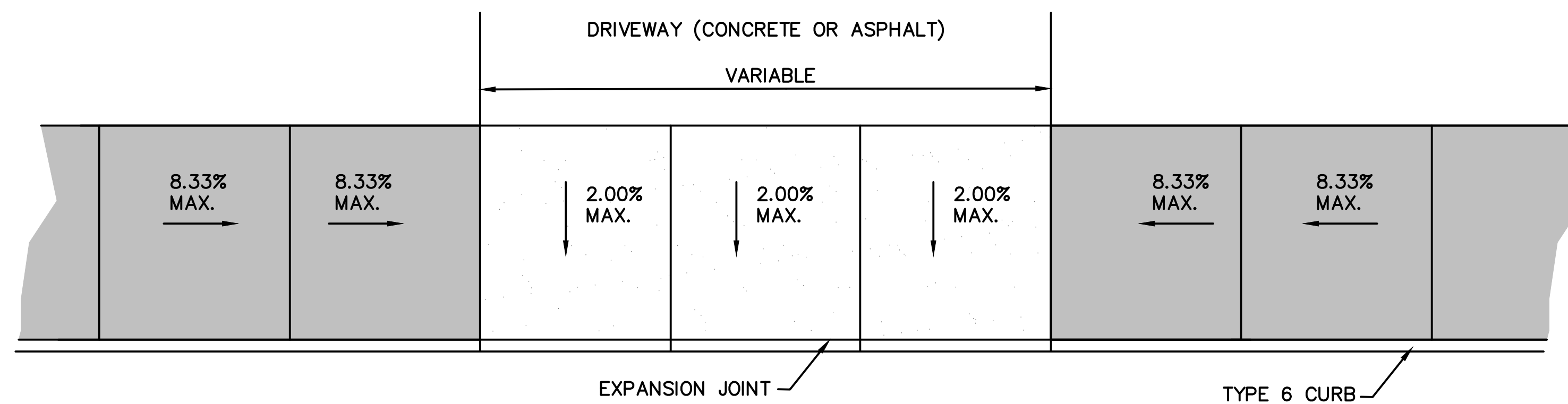
TYPICAL MAILBOX INSTALLATION IN SIDEWALK DETAIL

CURB NOTES

1. CONCRETE AND WORK SHALL MEET THE REQUIREMENTS SET FORTH IN ODOT QC-1P AT DRIVEWAYS AND CURB. IT SHALL MEET QC MISC. EVERYWHERE ELSE (CEMENT ONLY - NO POZZOLAN MATERIAL).
2. CURBING SHALL HAVE CONTRACTION JOINTS EVERY 10'.
3. MINIMUM OF 6" OF ODOT 304 SHALL BE PLACED UNDER CURBING, INCIDENTAL TO ITEM 609, TYPE 6 CURB.
4. CURBING SHALL BE BACKFILLED IMMEDIATELY AFTER FORMS ARE REMOVED.
5. PROVIDE BROOM FINISH AND EDGING TO ALL EXPOSED SURFACES.
6. APPLY WHITE PIGMENT CURING COMPOUND OR APPROVED EQUIVALENT PER MANUFACTURERS RECOMMENDATION ON ALL SURFACES INCLUDING BACK IMMEDIATELY AFTER FINISHING SURFACES.
7. 1/2" PREMOLDED EXPANSION JOINTS SHALL BE CONSTRUCTED EACH SIDE OF DRIVE APPROACH SECTIONS AND AT P.C. POINTS, AT INTERSECTIONS, AND AT 100' MAX. INTERVALS.

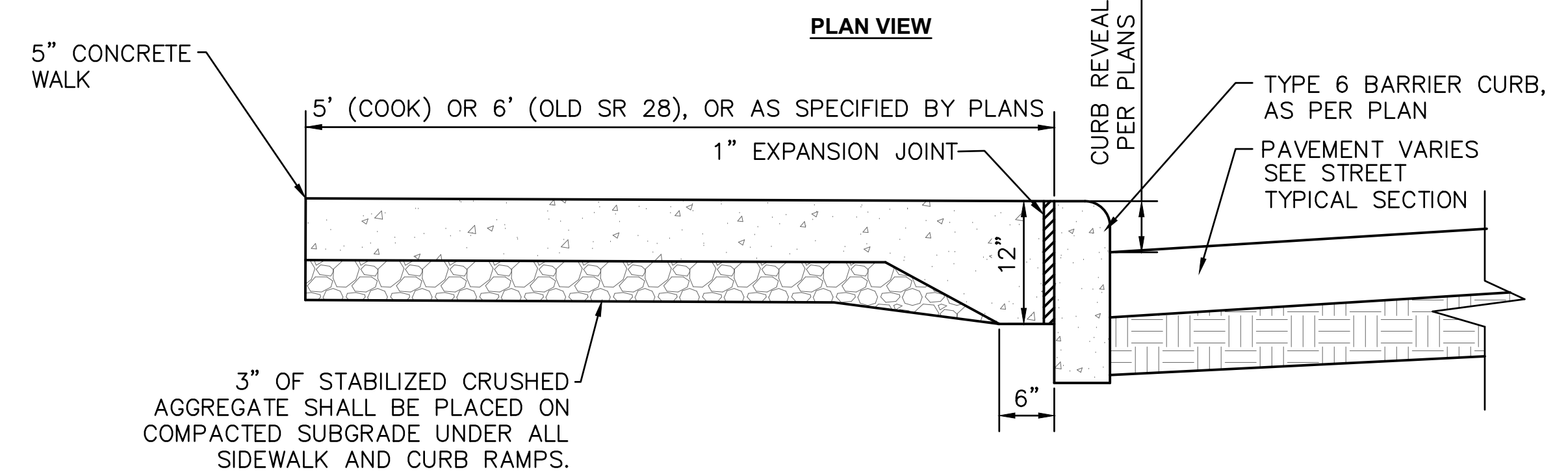


TYPE 6 BARRIER CURB



NOTE: SIDEWALK TO RAMP DOWN ON EITHER SIDE OF DRIVE SO THAT 2% CROSS SLOPE IS MAINTAINED

TYPICAL DRIVEWAY DETAIL (WITH WALK AND NO CURB LAWN)



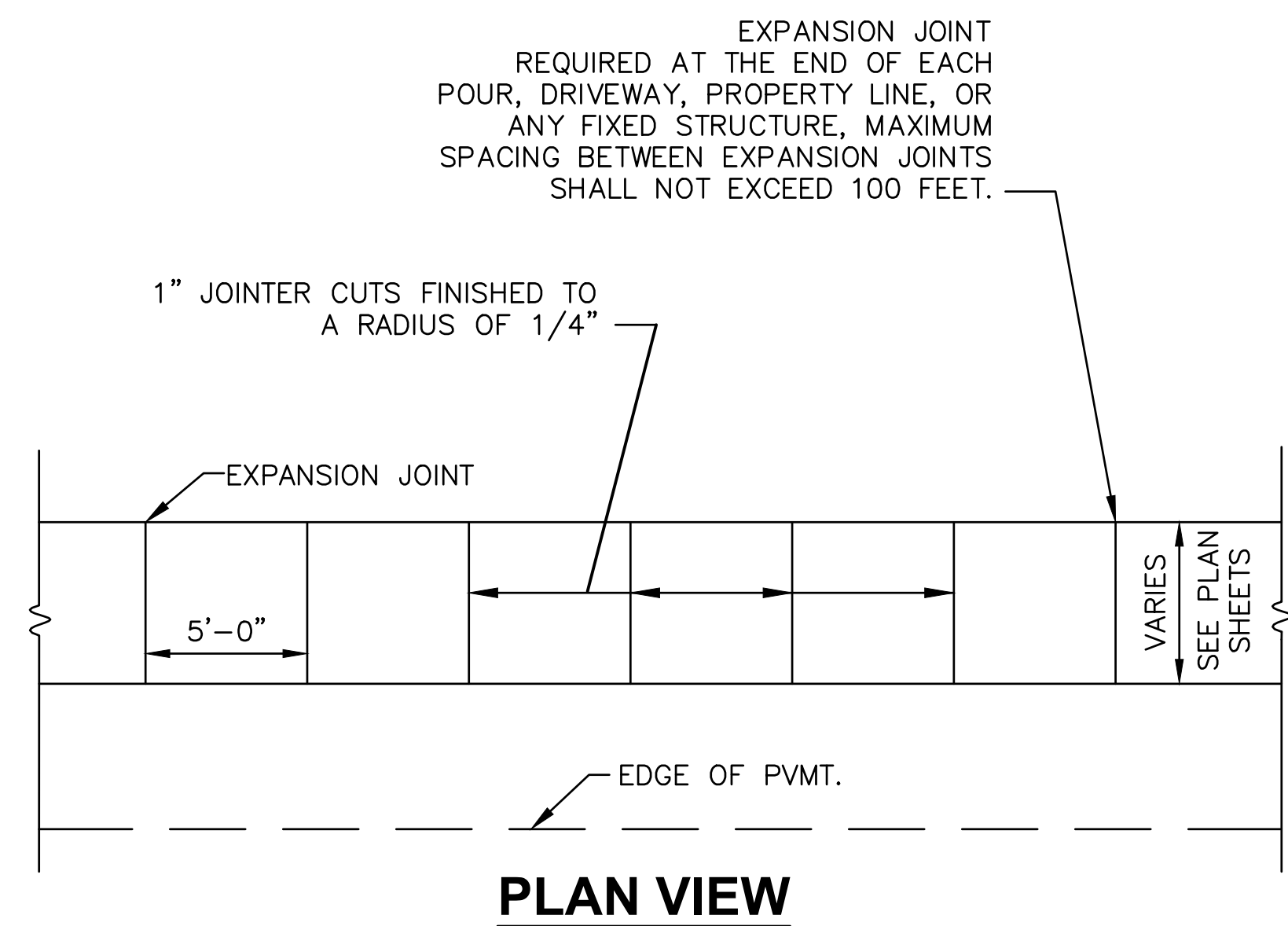
NOTES

- A. WALK TO BE POURED ON 3" OF STABILIZED CRUSHED AGGREGATE
- B. PROVIDE BROOM FINISH AND HAND TOOLED EDGING (MINIMUM 2") TO ALL EXPOSED SURFACES.
- C. CONCRETE SHALL CONFORM TO ODOT ITEM 499 CONCRETE. CONCRETE WORK SHALL CONFORM TO ODOT ITEM 608, UNLESS OTHERWISE SPECIFIED WITHIN.
- D. CONCRETE SHALL BE ODOT CLASS QC-1P.
- E. CONCRETE SHALL CONTAIN 7% ± 2% OF TOTAL AIR.

CONCRETE SIDEWALK ABUTTING BARRIER CURB

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FILE NAME	GND
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PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	



EXPANSION JOINT
REQUIRED AT THE END OF EACH
POUR, DRIVEWAY, PROPERTY LINE, OR
ANY FIXED STRUCTURE, MAXIMUM
SPACING BETWEEN EXPANSION JOINTS
SHALL NOT EXCEED 100 FEET.

1" JOINTER CUTS FINISHED TO
A RADIUS OF 1/4"

EXPANSION JOINT

5'-0"

VARIES
SEE PLAN
SHEETS

EDGE OF PVT.

PLAN VIEW

SIDEWALK NOTE:

- A. WALK TO BE POURED ON ITEM 411, 3" STABILIZED CRUSHED AGGREGATE BEDDING.
- B. EQUIPMENT: SIDE FORMS SHALL BE OF STEEL, STRAIGHT AND OF A DEPTH EQUAL TO THE THICKNESS OF THE PAVEMENT AT ITS EDGE. THE USE OF BENT OR DAMAGED SIDE FORMS OR FORMS WITH DAMAGE JOINT LOCKS OR PIN POCKETS SHALL NOT BE PERMITTED. ALL FORMS SHALL BE CLEANED AND OILED EACH TIME THEY ARE USED. FLEXIBLE OR CURVED FORMS SHALL BE USED FOR CONSTRUCTION OF CIRCULAR PAVEMENT EDGES WHERE RADIUS IS ONE HUNDRED FEET (100') OR LESS.
- C. PROVIDE BROOM FINISH TO ALL EXPOSED SURFACES. TEXTURE SHALL BE A MEDIUM BROOM WITH TOOL FINISH, TOWNSHIP TO REVIEW AND APPROVE FIRST POUR.
- D. CONCRETE SHALL CONFORM TO ODOT ITEM 499 CONCRETE. CONCRETE WORK SHALL CONFORM TO ODOT ITEM 608, UNLESS OTHERWISE SPECIFIED WITHIN.
- E. PROVIDE EDGING AROUND ALL EXPOSED SURFACES.
- F. APPLY 2 COATS OF SUPER DIAMOND CLEAR CURING AND SEALING COMPOUND OR WR MEADOWS, INC. CS-309-25, OR APPROVED EQUIVALENT PER MANUFACTURER'S RECOMMENDATION ON ALL SURFACES INCLUDING BACK IMMEDIATELY AFTER FINISHING SURFACES.
- G. CONCRETE SHALL BE ODOT CLASS QC MISC. OR QC-1, (4000 PSI, 600LB. C.Y. CEMENT) ALL SIDEWALKS SHALL HAVE A MINIMUM THICKNESS OF 5"
- H. EXPANSION JOINTS SHALL BE VINYL EXPANSION JOINT MATERIAL, MEETING ASTM D-1752 AND AASHTO 153-98.
- I. CONTRACTION JOINTS: FORM WEAKENED-PLANE CONTRACTION JOINTS, SECTIONING CONCRETE INTO AREAS AS INDICATED IN THE PLANS. CONSTRUCT CONTRACTION JOINTS FOR A DEPTH EQUAL TO AT LEAST ONE-FOURTH OF THE CONCRETE THICKNESS, WHERE INDICATED, AS FOLLOWS:
 - a. GROOVED JOINTS: FORM CONTRACTION JOINTS AFTER INITIAL FLOATING BY GROOVING AND FINISHING EACH EDGE OF JOINT WITH GROOVER TOOL TO THE FOLLOWING RADIUS. REPEAT GROOVING OF CONTRACTION JOINTS AFTER APPLYING SURFACE FINISHES. ELIMINATE GROOVER OVERFLOW SLURRY MARKS ON CONCRETE SURFACES. QUALITY WORK SHALL BE PERFORMED OR THE NEW SIDEWALK WILL BE REMOVED AND REDONE AT THE CONTRACTOR'S EXPENSE. RADIUS TO BE 1/4 INCH (6 MM).
 - b. SAWED JOINTS WILL NOT BE PERMITTED.
- J. EDGING: TOOL EDGES OF JOINTS IN CONCRETE AFTER INITIAL FLOATING WITH AN EDGING TOOL TO A RADIUS OF 1/4 INCH (6 MM). REPEAT TOOLING OF EDGES AFTER APPLYING SURFACE FINISHES. ("PICTURE-FRAME" EACH SECTION OF CONCRETE WALK.) ELIMINATE TOOL MARKS (OVERFLOW SLURRY) ON CONCRETE SURFACES.
- K. CONTRACTOR TO PROVIDE ISOLATION JOINTS BETWEEN FIXED OBJECTS (POLES, WATER METERS, ETC.) THAT ARE SHOWN IN THE PLANS WHERE THEIR LOCATION FALLS WITHIN THE PROPOSED SIDEWALK LIMITS. ISOLATION JOINTS SHALL BE VINYL EXPANSION JOINT MATERIAL, MEETING ASTM D-1752 AND AASHTO 153-98.
- L. WALK SHALL HAVE EXPANSION JOINTS EVERY 100'. REFER TO NOTE H ABOVE FOR EXPANSION JOINT MATERIAL TYPE AND SPECIFICATIONS.

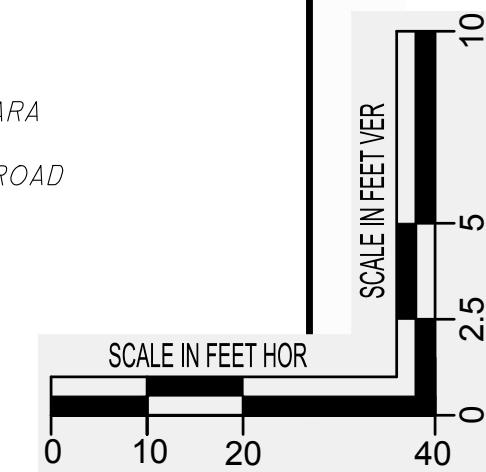
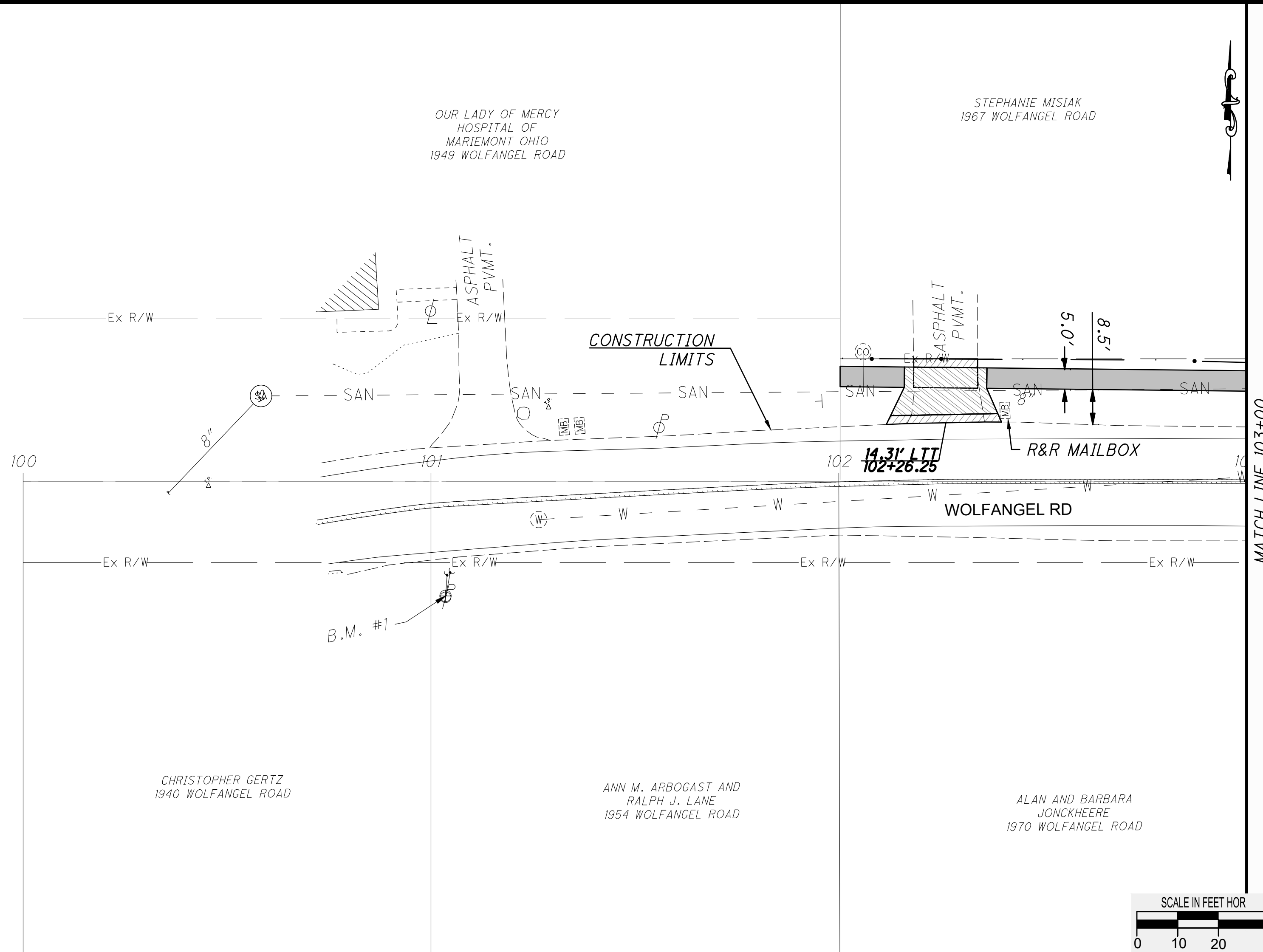
**WOLFANGEL ROAD SIDEWALK
ANDERSON TOWNSHIP
GENERAL NOTES AND DETAILS**

REVISIONS:

FILE NAME	GNE
DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	

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BENCHMARK #1 ELEV. 783.84
 MAG NAIL SET IN POWER POLE ON
 EAST SIDE OF WOLFANGEL RD. ON
 THE NORTH SIDE OF 1940
 WOLFANGEL RD. DRIVEWAY.



EXISTING CENTERLINE ELEVATIONS	PROPOSED FACE OF WALK ELEVATIONS
760	795
765	790
770	785
775	780
780	775
785	770
790	765
795	760

EXISTING CENTERLINE ELEVATIONS	PROPOSED FACE OF WALK ELEVATIONS
782.98	780.72
783.29	780.05
783.09	779.38
782.60	778.68
782.05	
781.51	
780.96	
780.56	
780.18	
779.77	



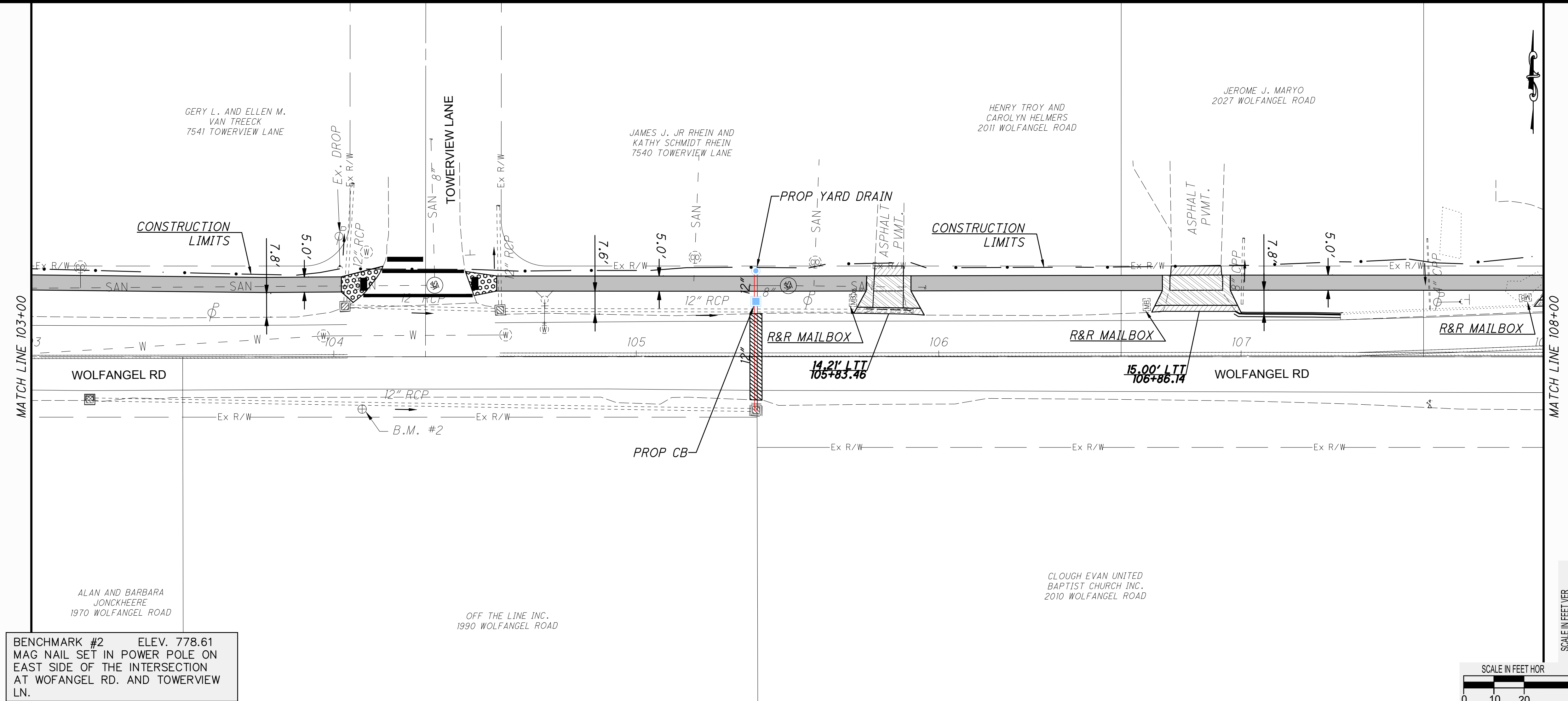
SIDNEY, OHIO 937.497.0200
 LOVELAND, OHIO 513.239.8554
 WWW.CHOICEONEENGINEERING.COM

**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD P-P STA. 98+00 TO STA. 103+00**

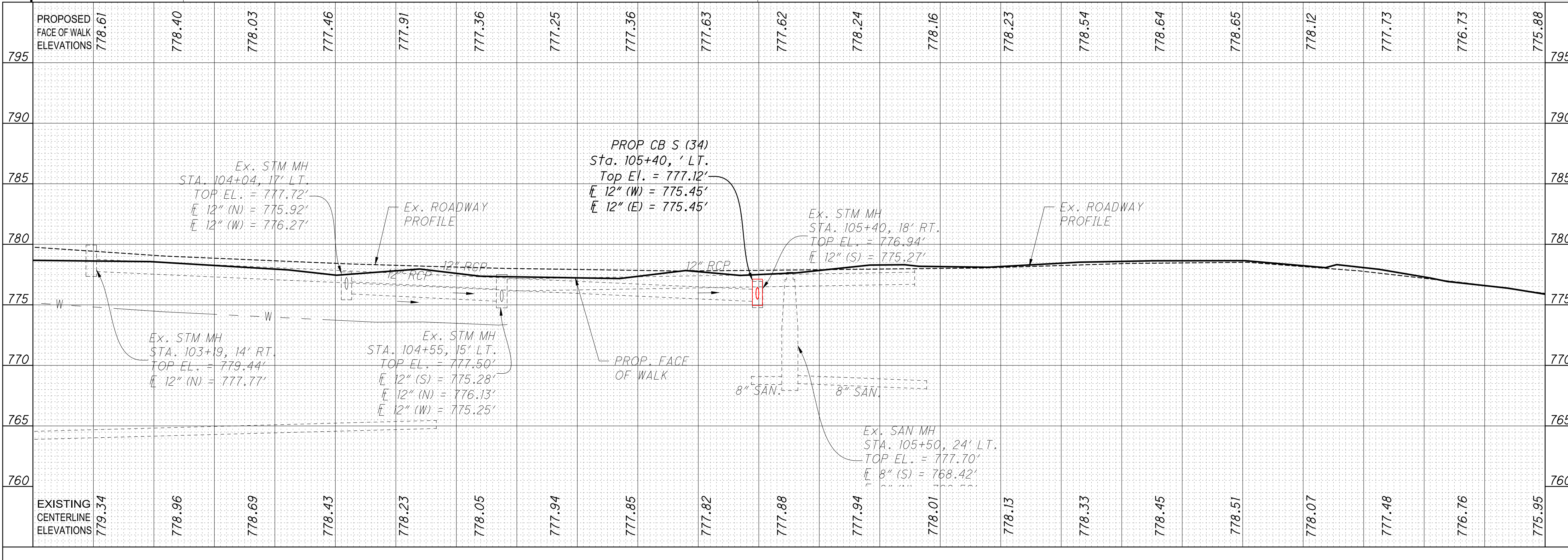
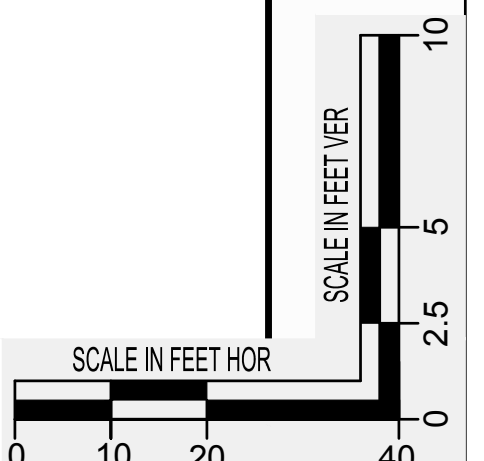
REVISIONS:

FILE NAME	WOLF-(1)
DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	8 OF 35

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BENCHMARK #2 ELEV. 778.61
MAG NAIL SET IN POWER POLE ON EAST SIDE OF THE INTERSECTION AT WOLFANGEL RD. AND TOWERVIEW LN.



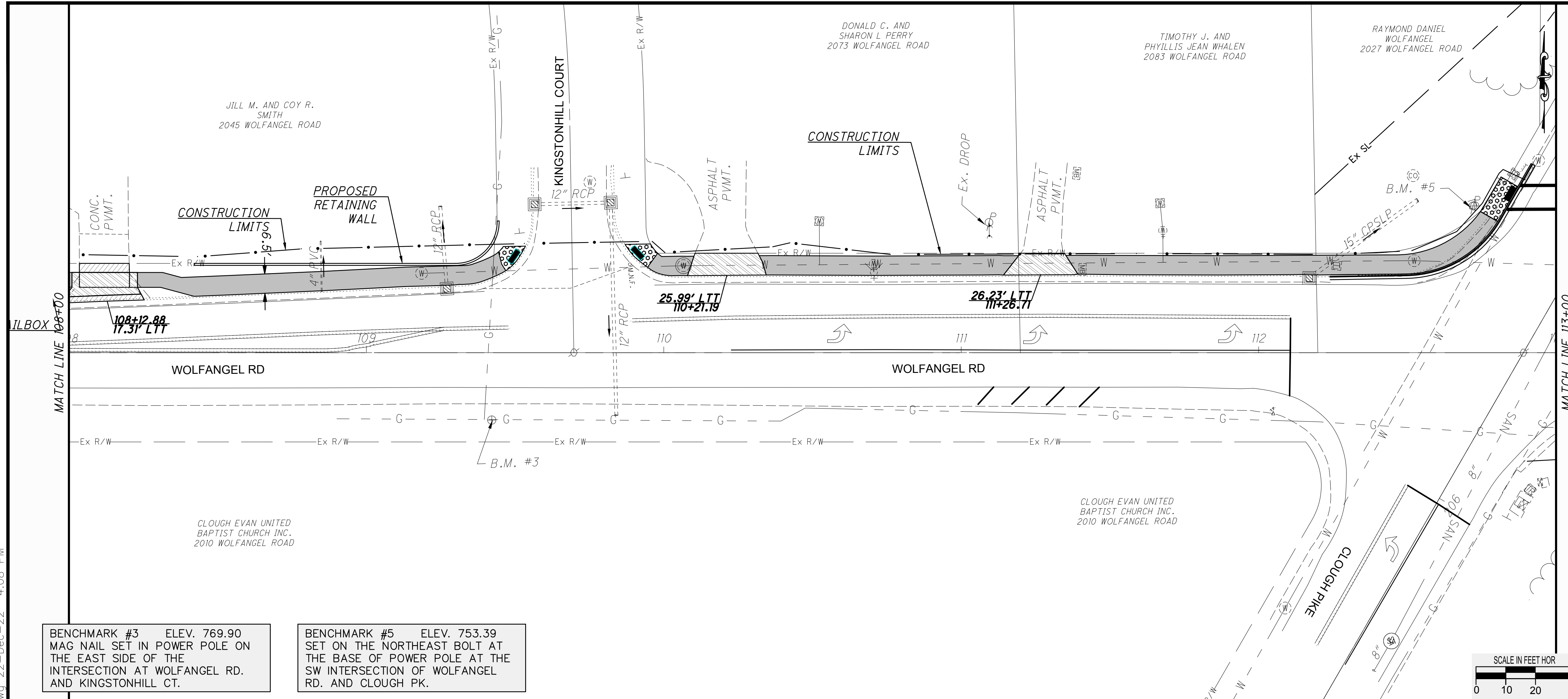
795	PROPOSED FACE OF WALK ELEVATIONS	778.61	778.40	778.03	777.46	777.91	777.36	777.25	777.36	777.63	777.62	778.24	778.16	778.23	778.54	778.64	778.65	778.12	777.73	776.73	775.88	795
790																						790
785																						785
780																						780
775																						775
770																						770
765																						765
760	EXISTING CENTERLINE ELEVATIONS	779.34	778.96	778.69	778.43	778.23	778.05	777.94	777.85	777.82	777.88	777.94	778.01	778.13	778.33	778.45	778.51	778.07	777.48	776.76	775.95	760

**WOLFANGEL ROAD SIDEWALK
ANDERSON TOWNSHIP
WOLFANGEL ROAD P-P STA. 103+00 TO STA. 108+00**

REVISIONS:

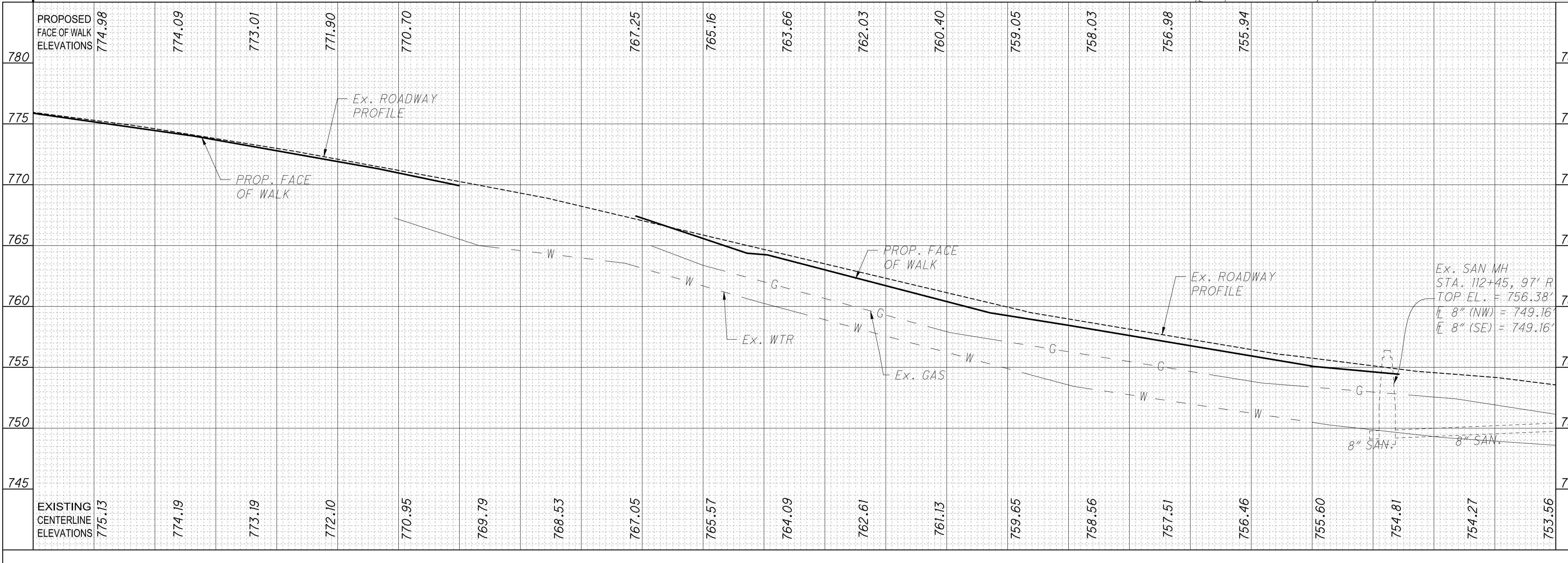
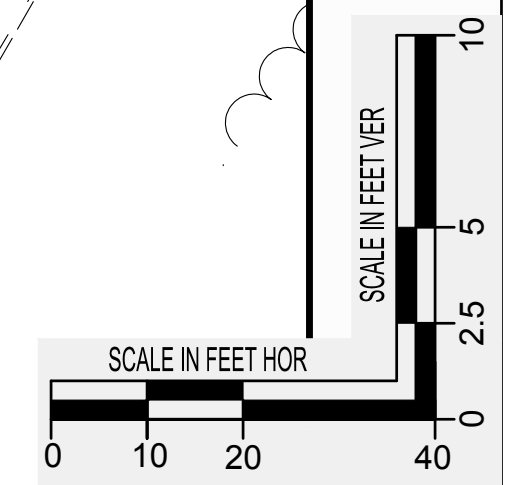
FILE NAME	WOLF-(1)
DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	9 OF 35

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BENCHMARK #3 ELEV. 769.90
MAG NAIL SET IN POWER POLE ON THE EAST SIDE OF THE INTERSECTION AT WOLFANGEL RD. AND KINGSTONHILL CT.

BENCHMARK #5 ELEV. 753.39
SET ON THE NORTHEAST BOLT AT THE BASE OF POWER POLE AT THE SW INTERSECTION OF WOLFANGEL RD. AND CLOUGH PK.



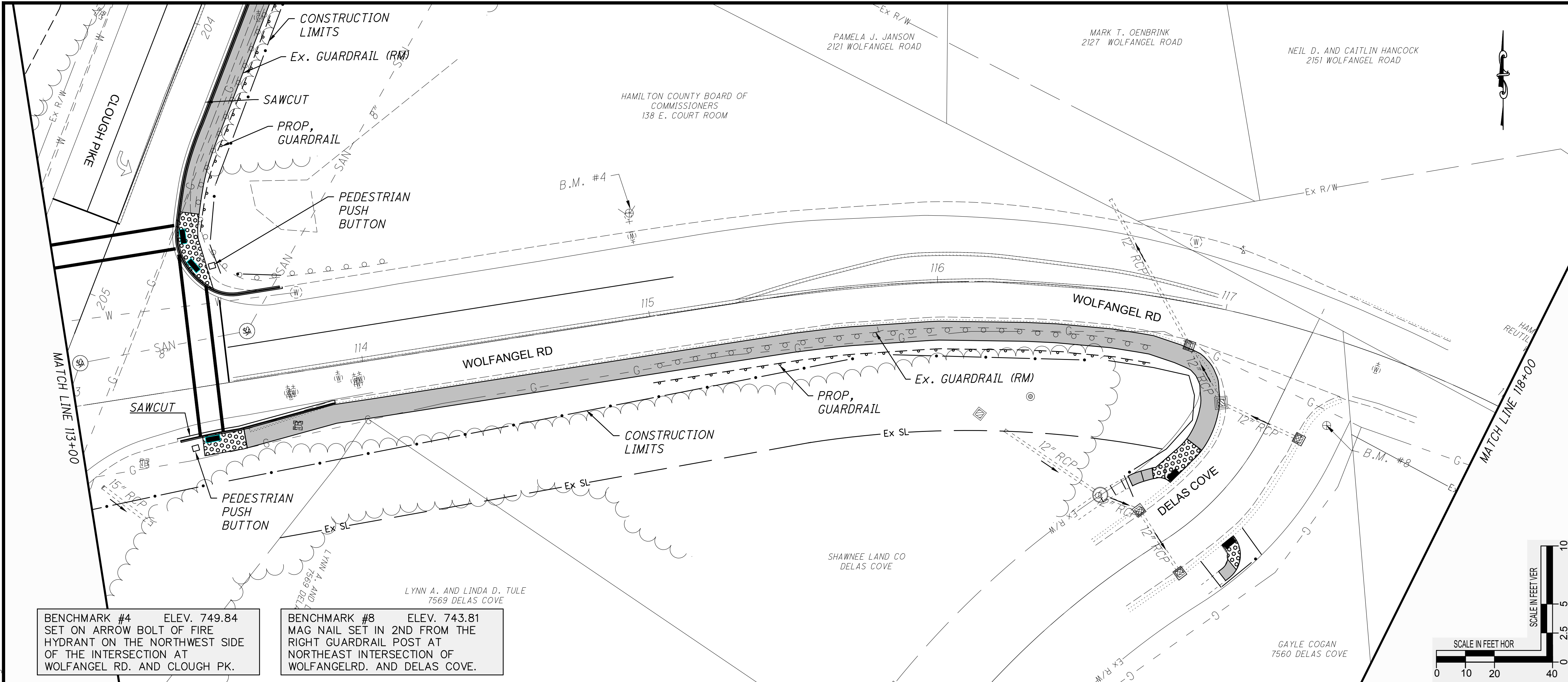
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**WOLFANGEL ROAD SIDEWALK
ANDERSON TOWNSHIP**
WOLFANGEL ROAD P-P STA. 108+00 TO STA. 113+00

REVISIONS:

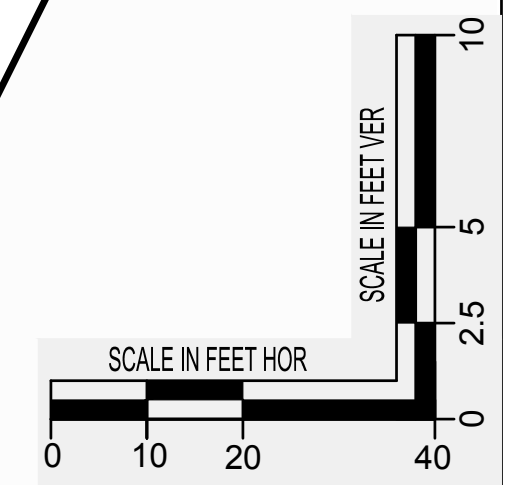
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DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	10 OF 35

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BENCHMARK #4 ELEV. 749.84
SET ON ARROW BOLT OF FIRE
HYDRANT ON THE NORTHWEST SIDE
OF THE INTERSECTION AT
WOLFANGEL RD. AND CLOUGH PK.

BENCHMARK #8 ELEV. 743.81
MAG NAIL SET IN 2ND FROM THE
RIGHT GUARDRAIL POST AT
NORTHEAST INTERSECTION OF
WOLFANGELRD. AND DELAS COVE.



770	PROPOSED CENTERLINE ELEVATIONS	751.84	751.03	750.69	749.94	749.17	748.41	747.67	746.86	746.00	745.24	744.47	743.81	743.12	742.41	770					
765																765					
760		Ex. SAN MH STA. 113+04, 15' LT. TOP EL. = 755.57' E 8" (N) = 749.79' E 8" (SE) = 749.79'		Ex. SAN MH STA. 113+62, 17' LT. TOP EL. = 751.51' E 8" (S) = 748.73' E 8" (NW) = 748.73'										Ex. STM MH STA. 117+06, 32' RT. TOP EL. = 740.93' E 12" (NE) = 737.08' E 12" (W) = 737.01'			760				
755														Ex. STM MH STA. 116+90, 15' RT. TOP EL. = 741.64' E 12" (E) = 736.71' E 12" (W) = 736.71'			755				
750														Ex. STM MH STA. 116+83, 74' RT. TOP EL. = 743.04' E 12" (SW) = 739.33' E 12" (E) = 739.39'			750				
745														Ex. STM MH STA. 117+05, 92' RT. TOP EL. = 743.12' E 12" (W) = 740.12'	Ex. STM MH STA. 117+38, 36' RT. TOP EL. = 740.70' E 12" (SW) = 737.65'		745				
740																	740				
735	EXISTING CENTERLINE ELEVATIONS	752.77	751.99	751.21	750.48	749.86	748.99	748.32	747.58	746.84	746.08	745.42	744.68	744.02	743.46	742.86	742.59	742.40	742.32	742.39	735

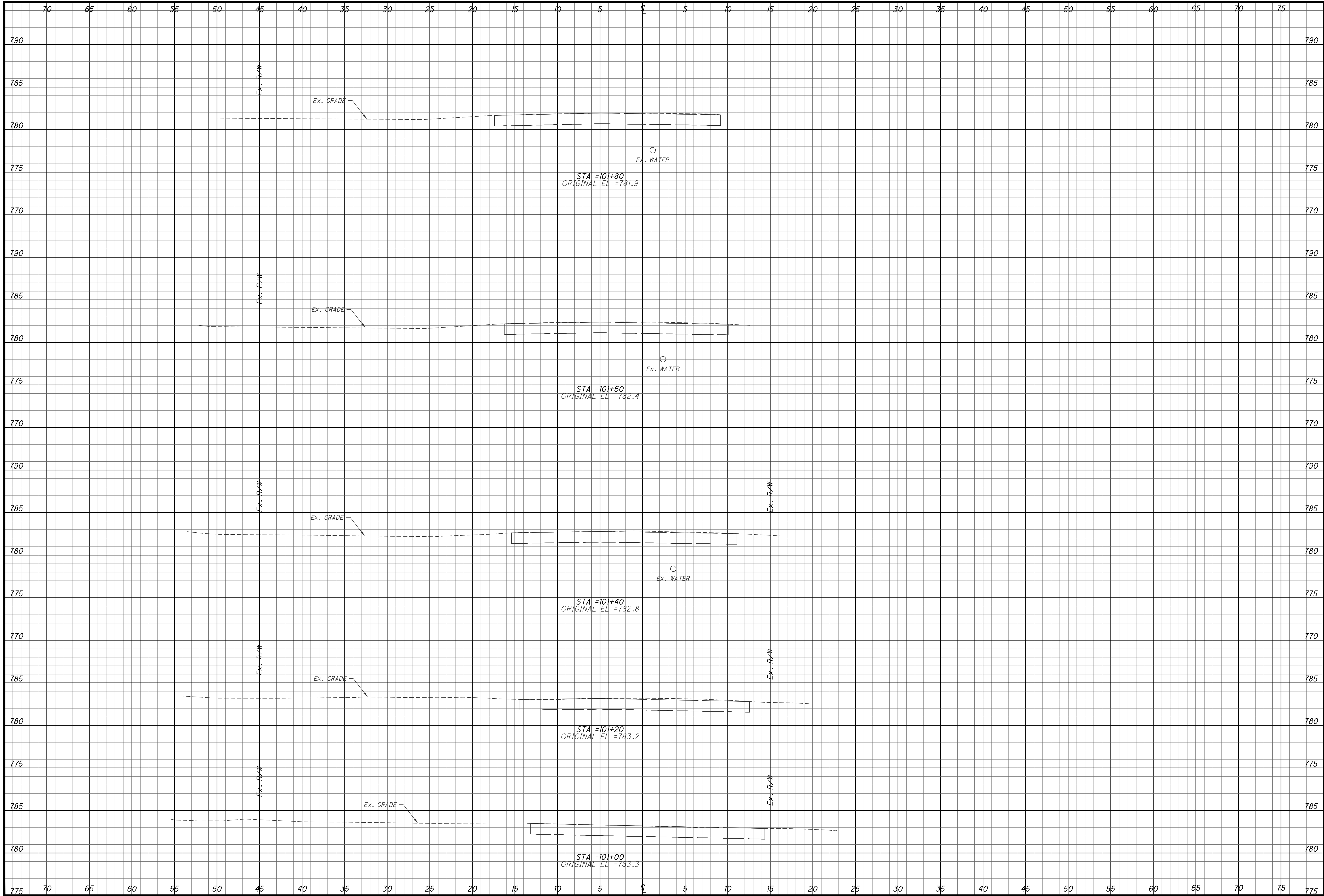


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**WOLFANGEL ROAD SIDEWALK
ANDERSON TOWNSHIP
WOLFANGEL ROAD P-P STA. 113+00 TO STA. 118+00**

REVISIONS:

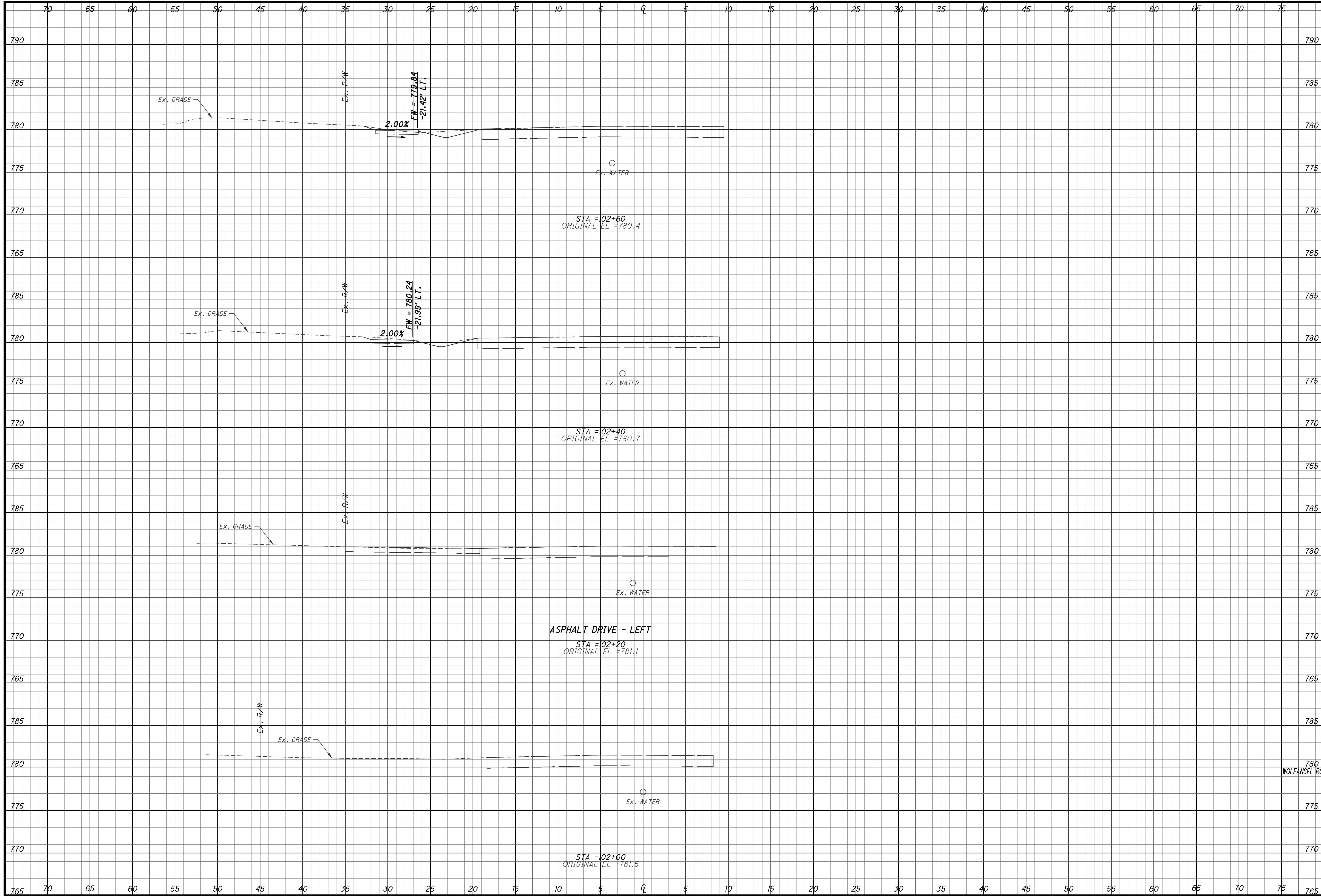
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DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	11 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 101+00 TO STA. 101+40**

REVISIONS:
FILE NAME HAMAND2202.XS001
DRAWN BY JSM
CHECKED BY WJW
PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 12 OF 35

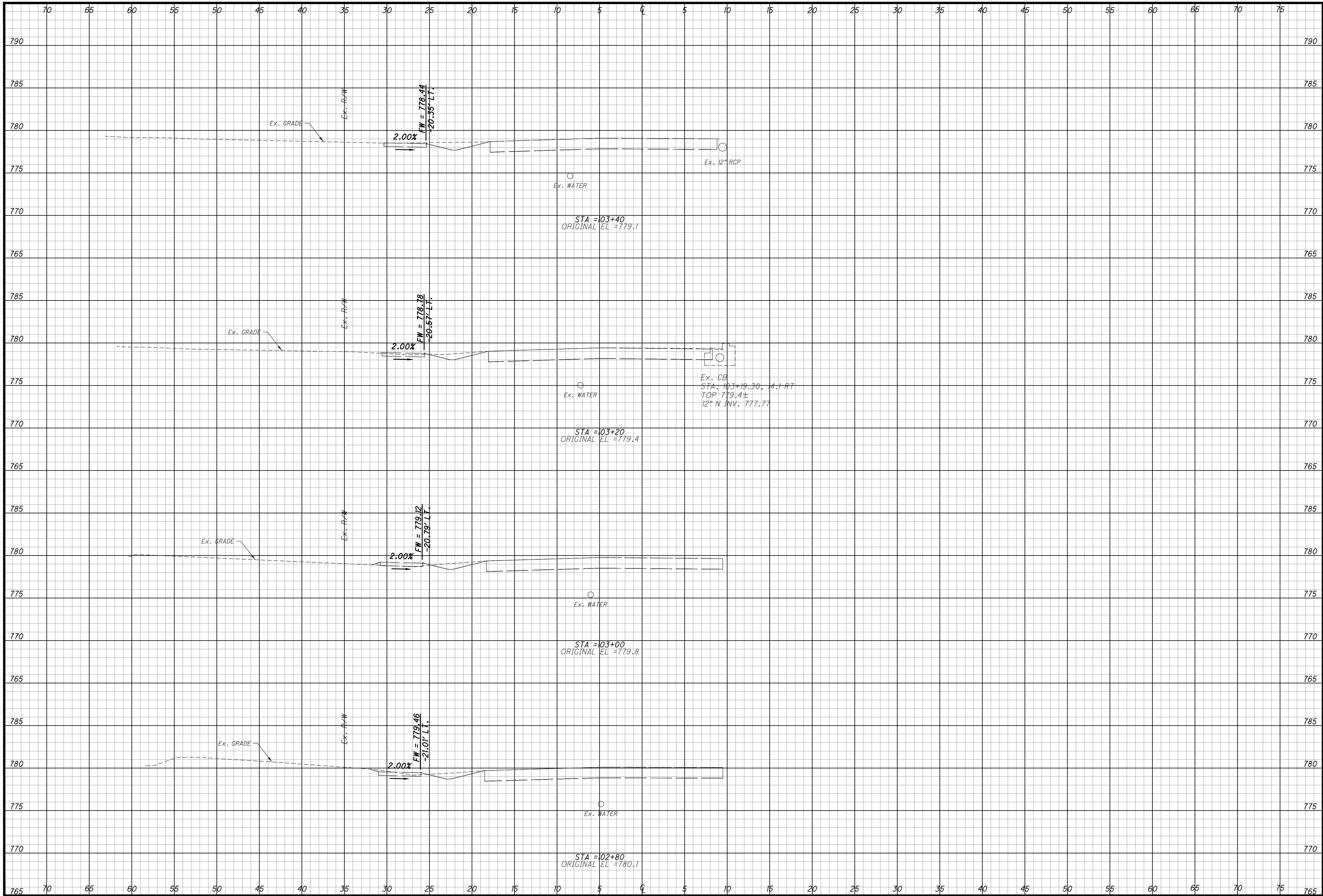


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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 101+60 TO STA. 102+00**

REVISIONS:

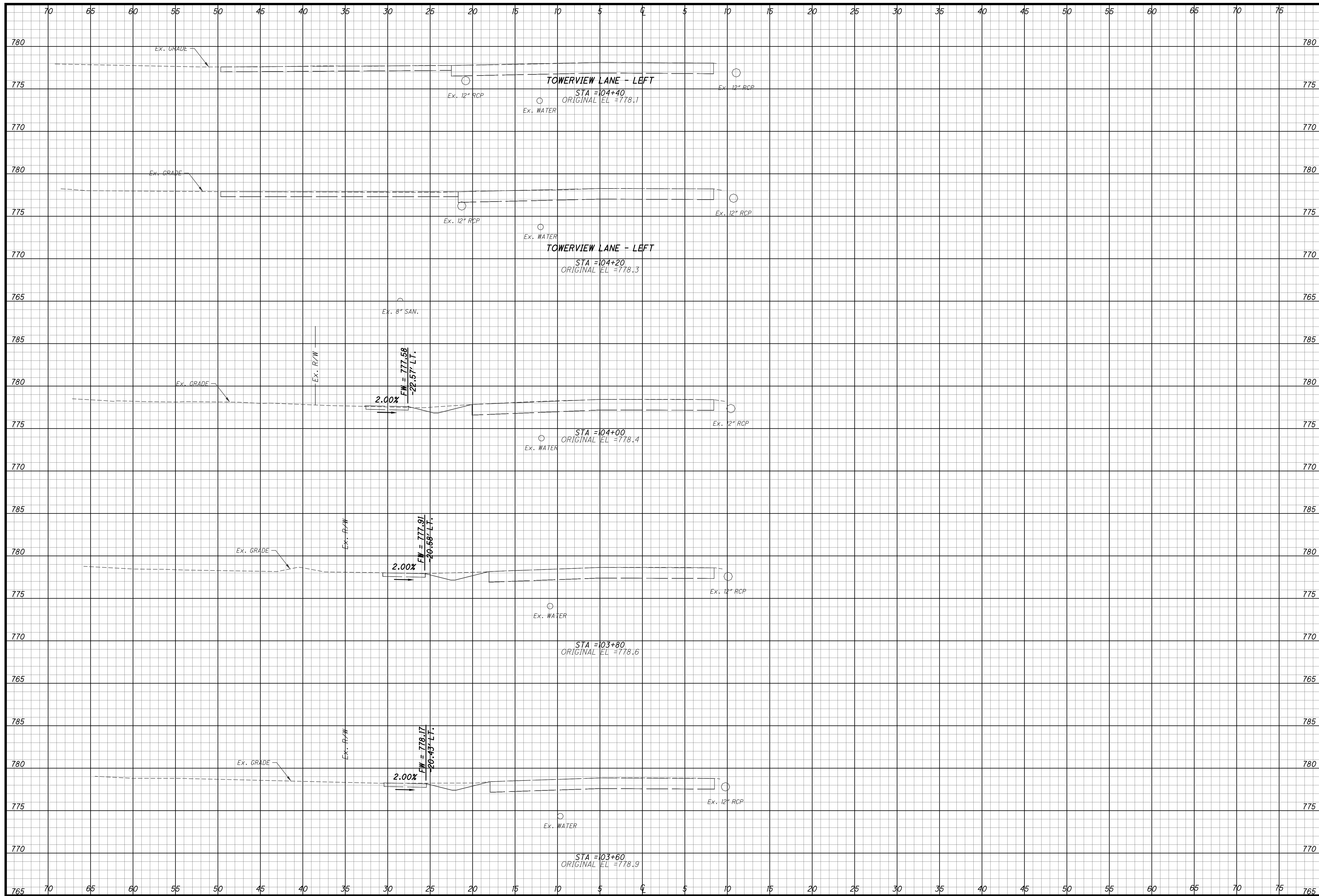
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DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	13 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 102+20 TO STA. 102+60**

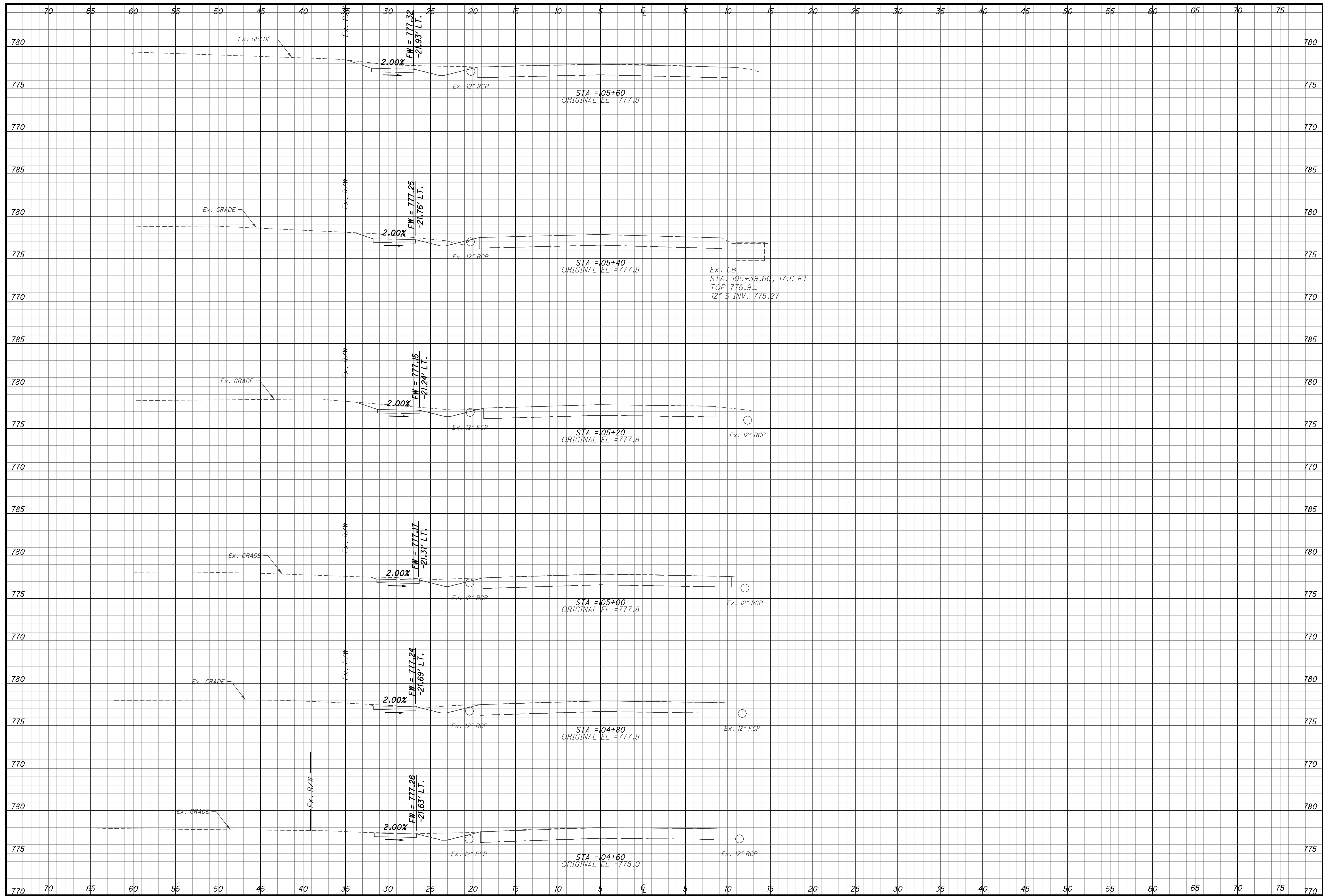
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FILE NAME HAMAND2202.XS001
DRAWN BY JSM
CHECKED BY WJW
PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 14 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 102+80 TO STA. 103+20**

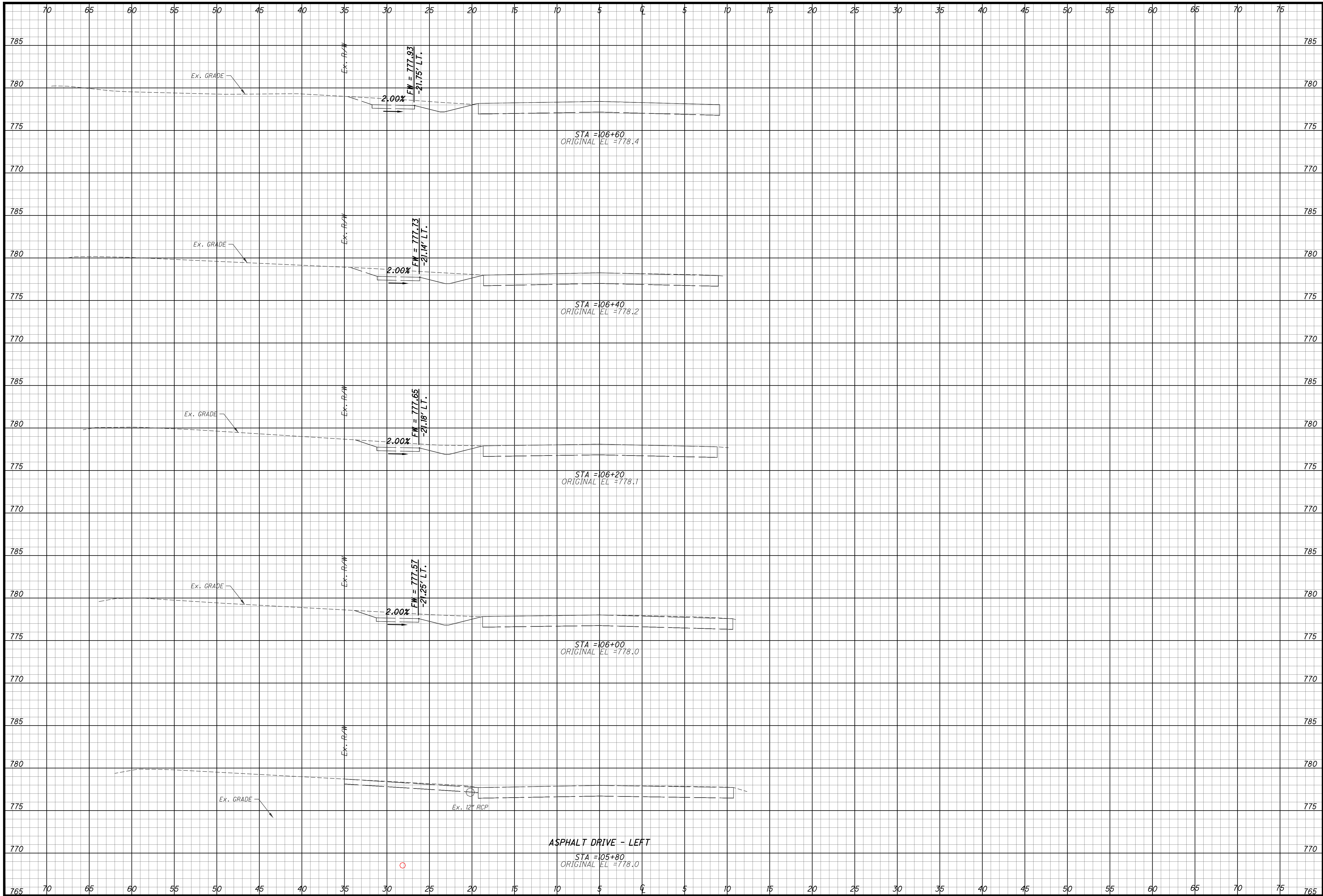
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 15 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 102+80 TO STA. 103+80**

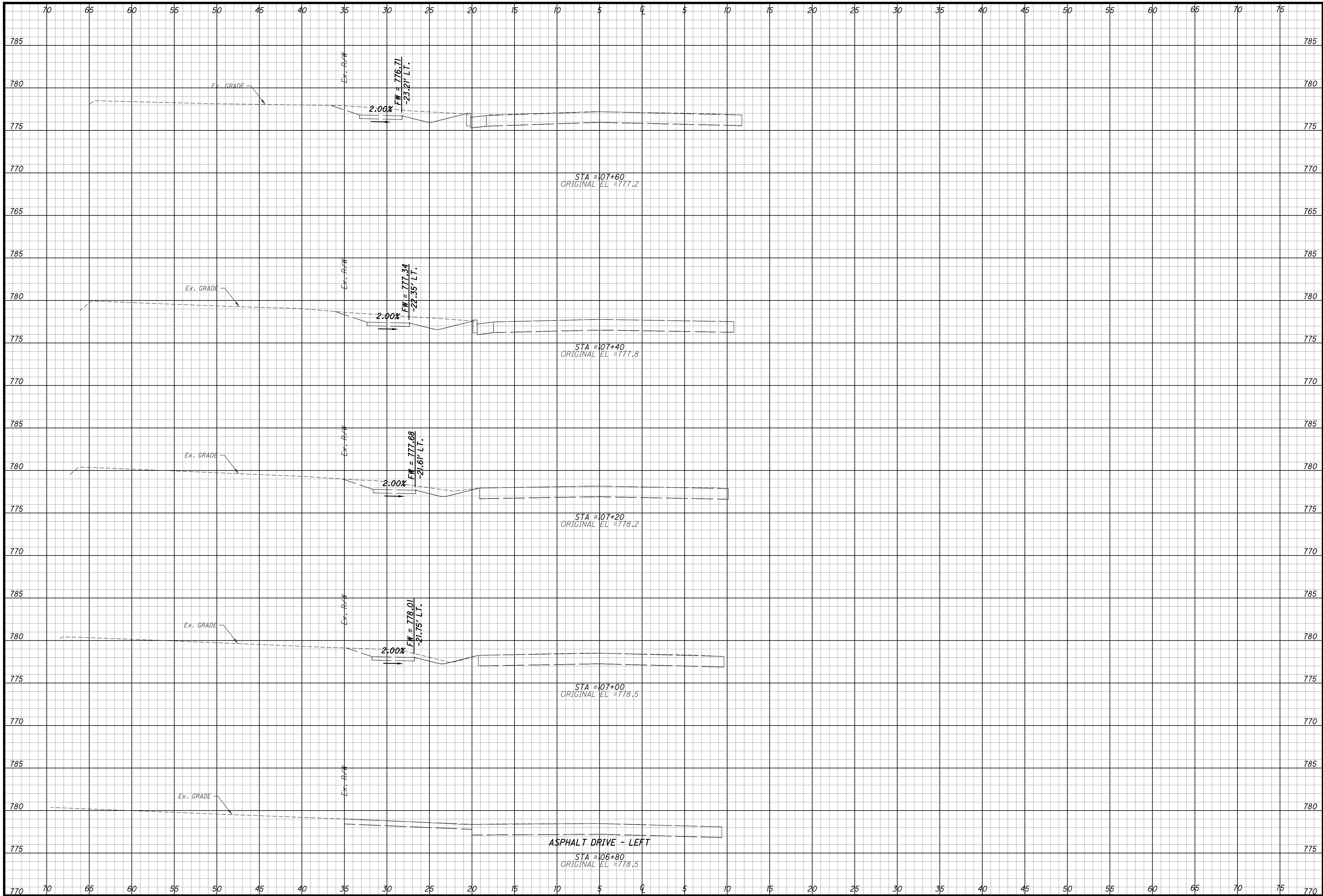
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CHECKED BY WJW
PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 16 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP**

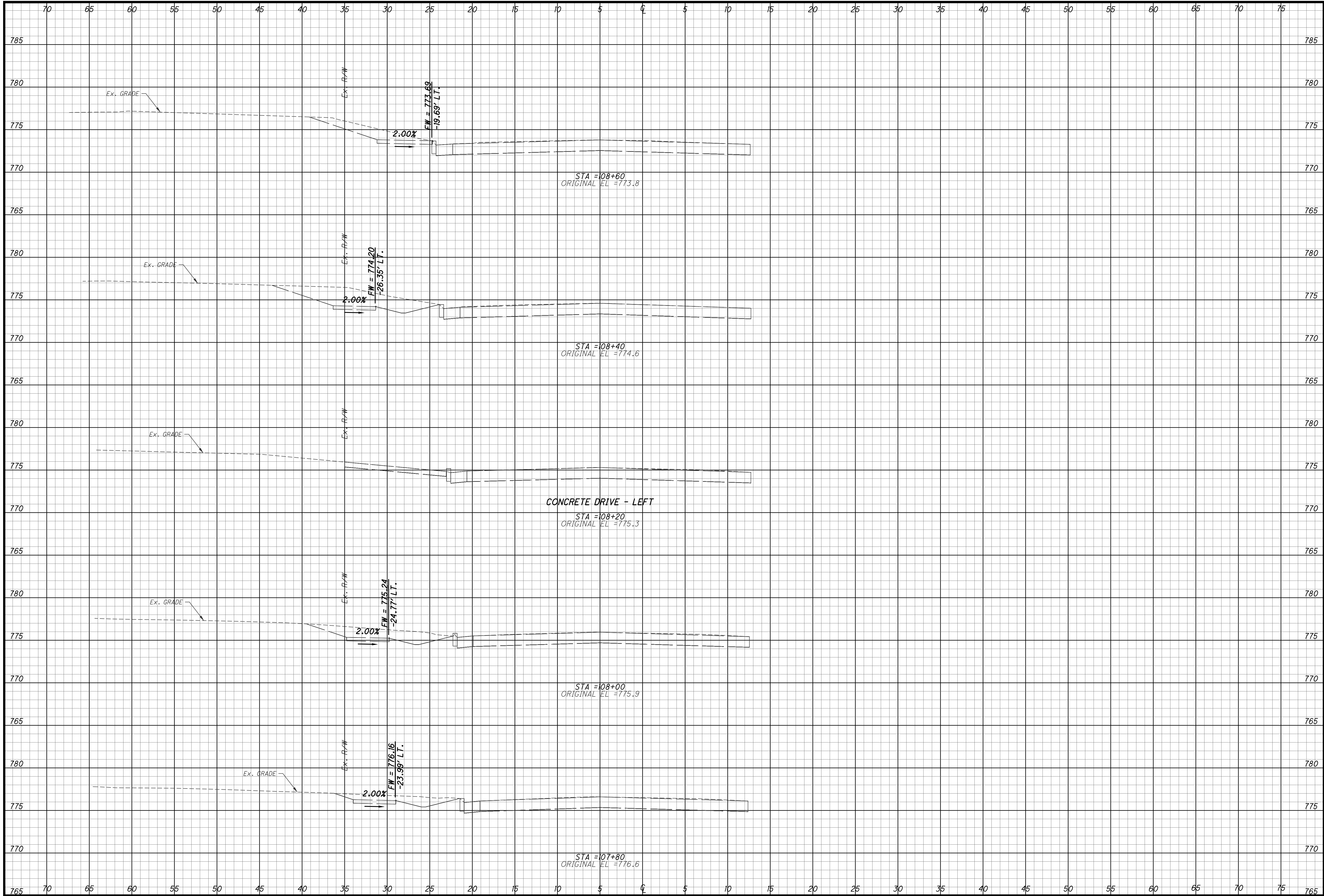
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PROJECT No. HAMAND2202
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SHEET NUMBER 17 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 104+80 TO STA. 105+40**

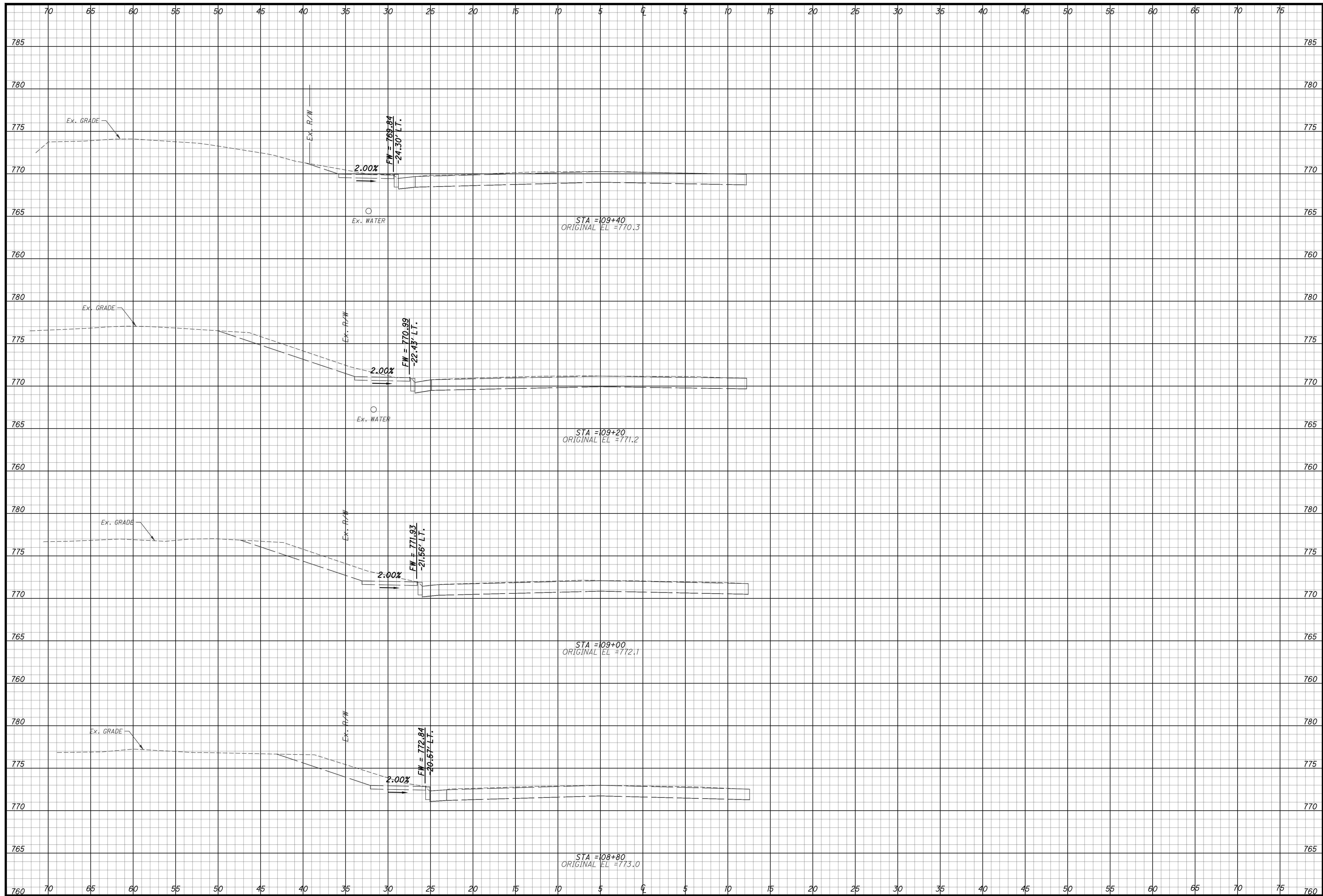
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 18 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 105+60 TO STA. 106+20**

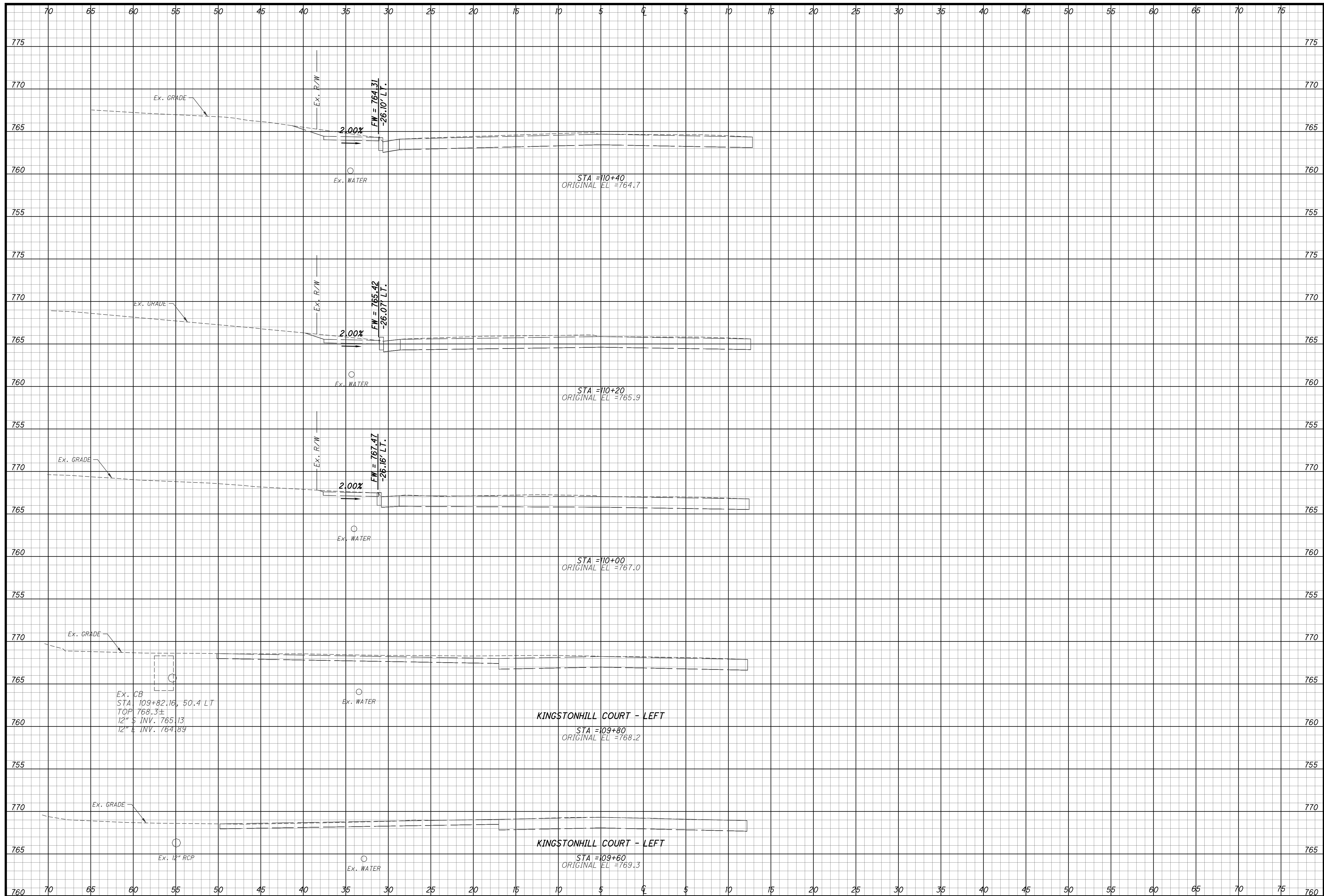
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 19 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 106+40 TO STA. 107+00**

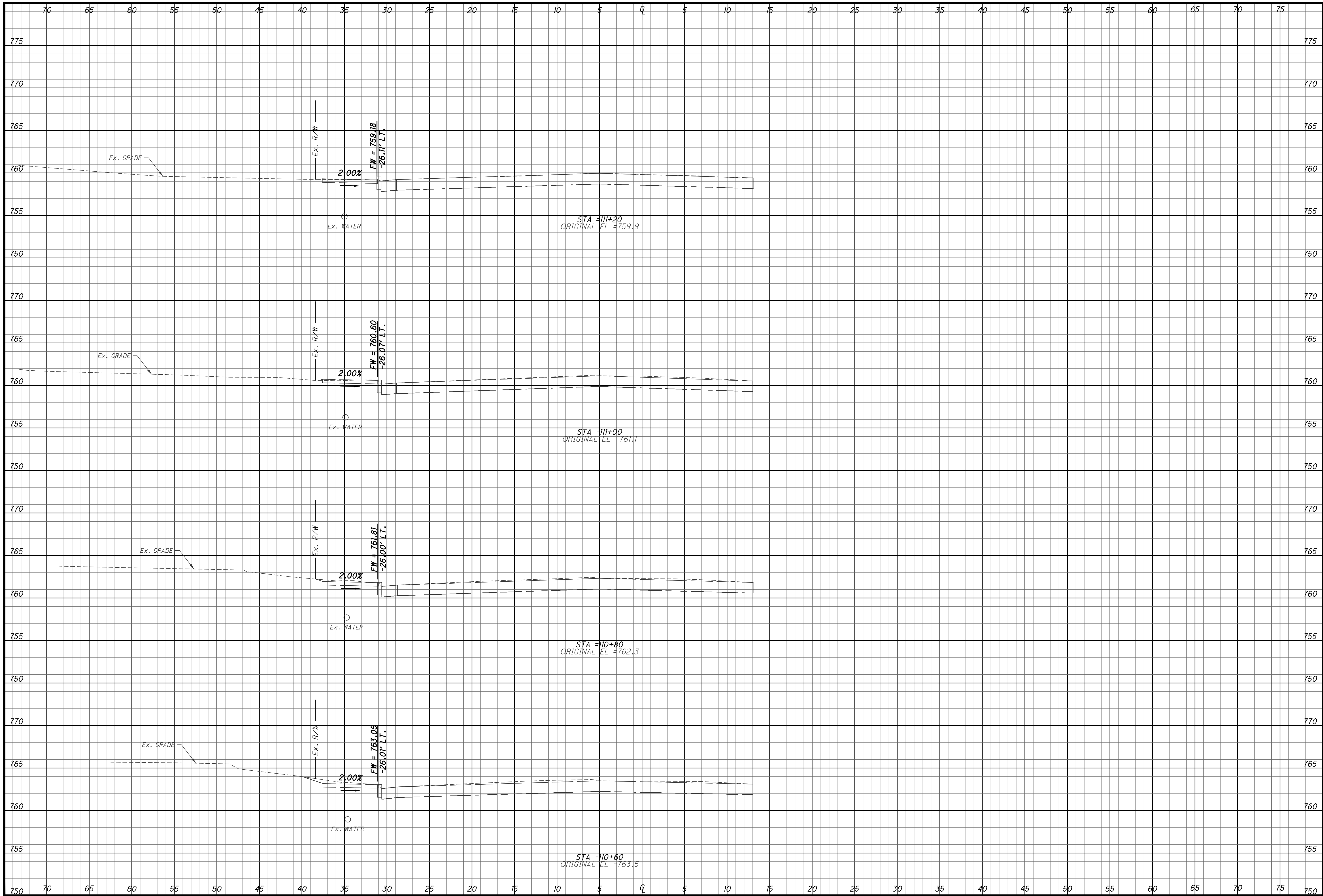
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 20 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 107+20 TO STA. 107+80**

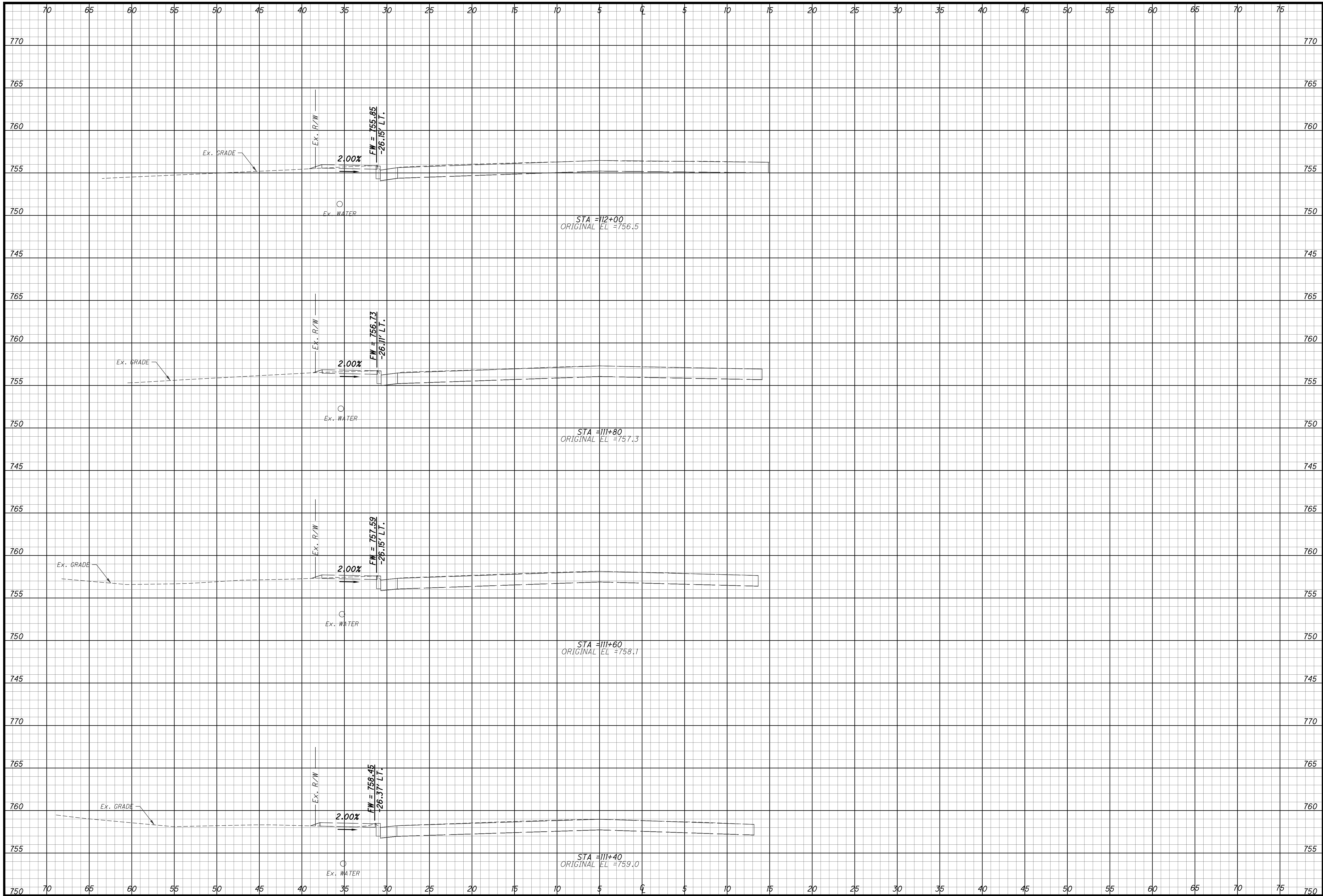
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 21 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 108+00 TO STA. 108+60**

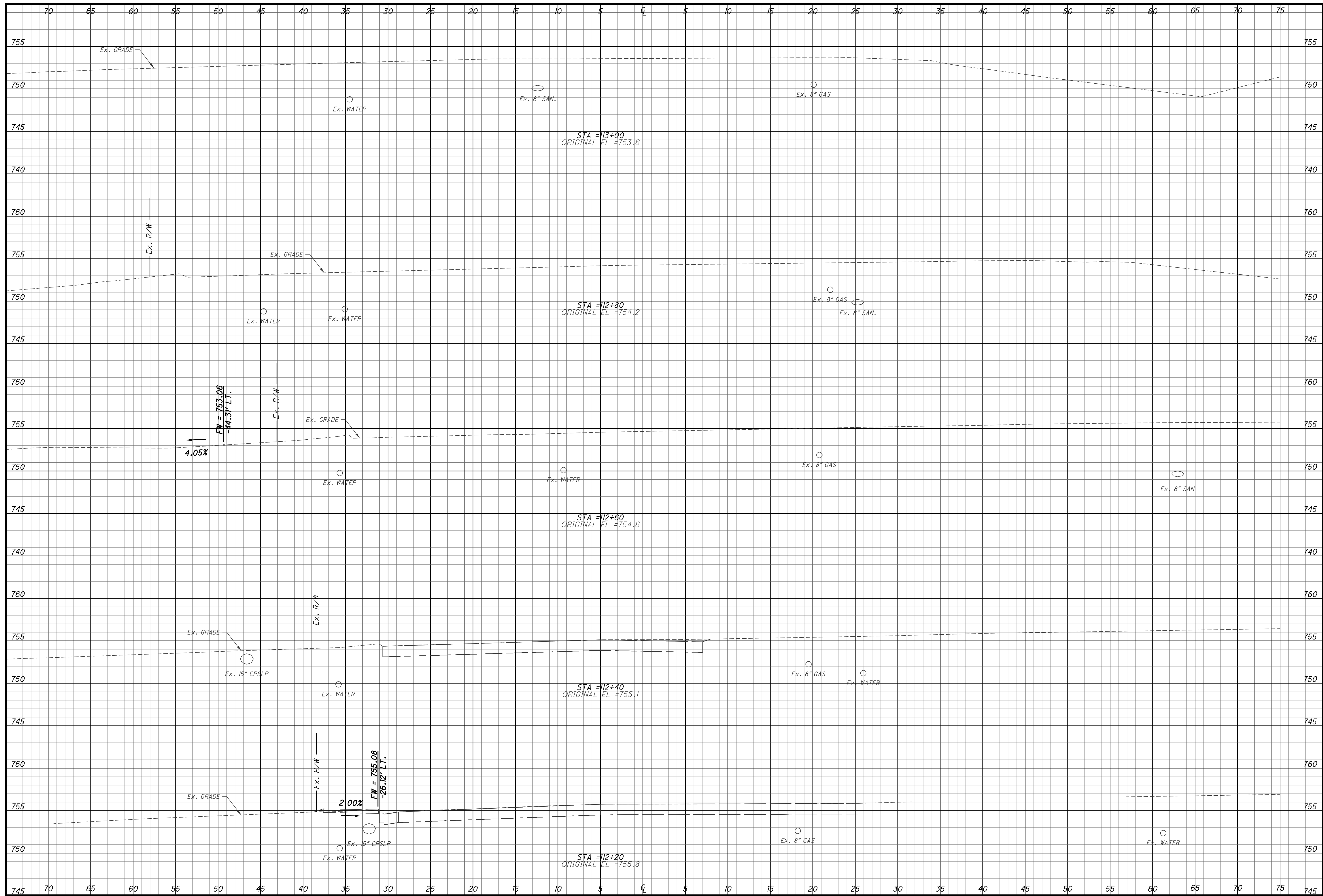
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DATE 12/23/2022
SHEET NUMBER 22 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 108+80 TO STA. 109+40**

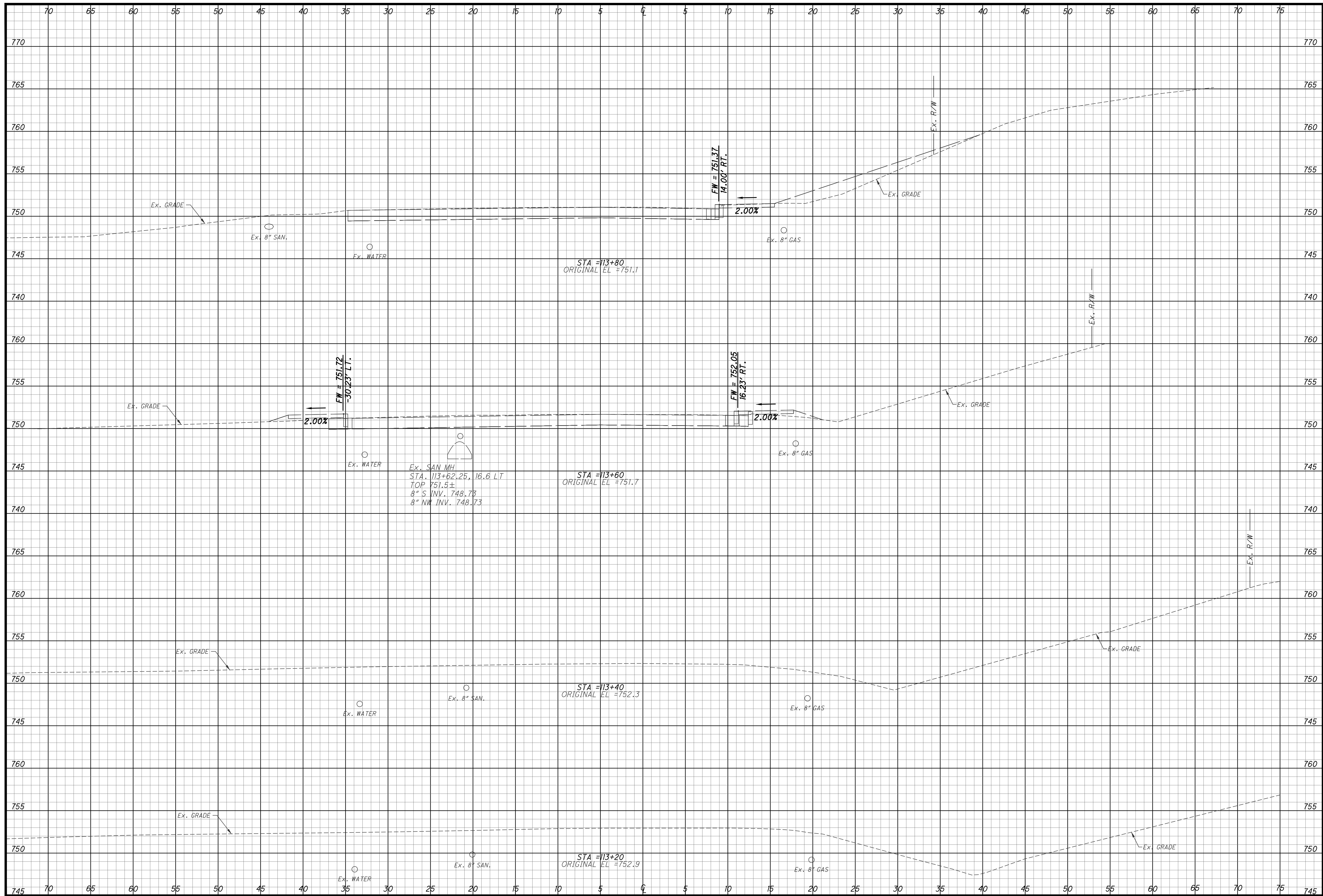
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 23 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 109+60 TO STA. 110+20**

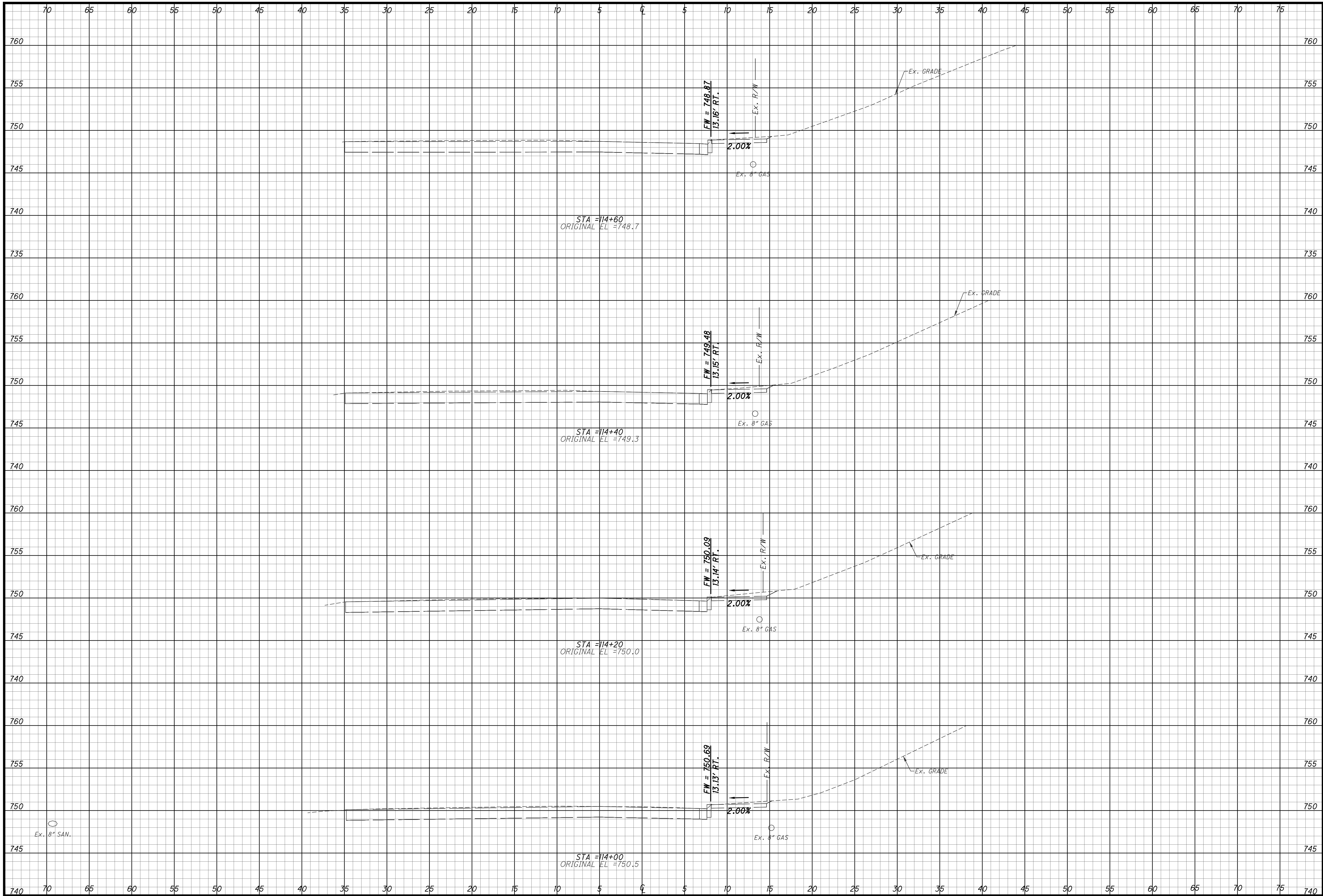
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PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	24 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 110+40 TO STA. 111+00**

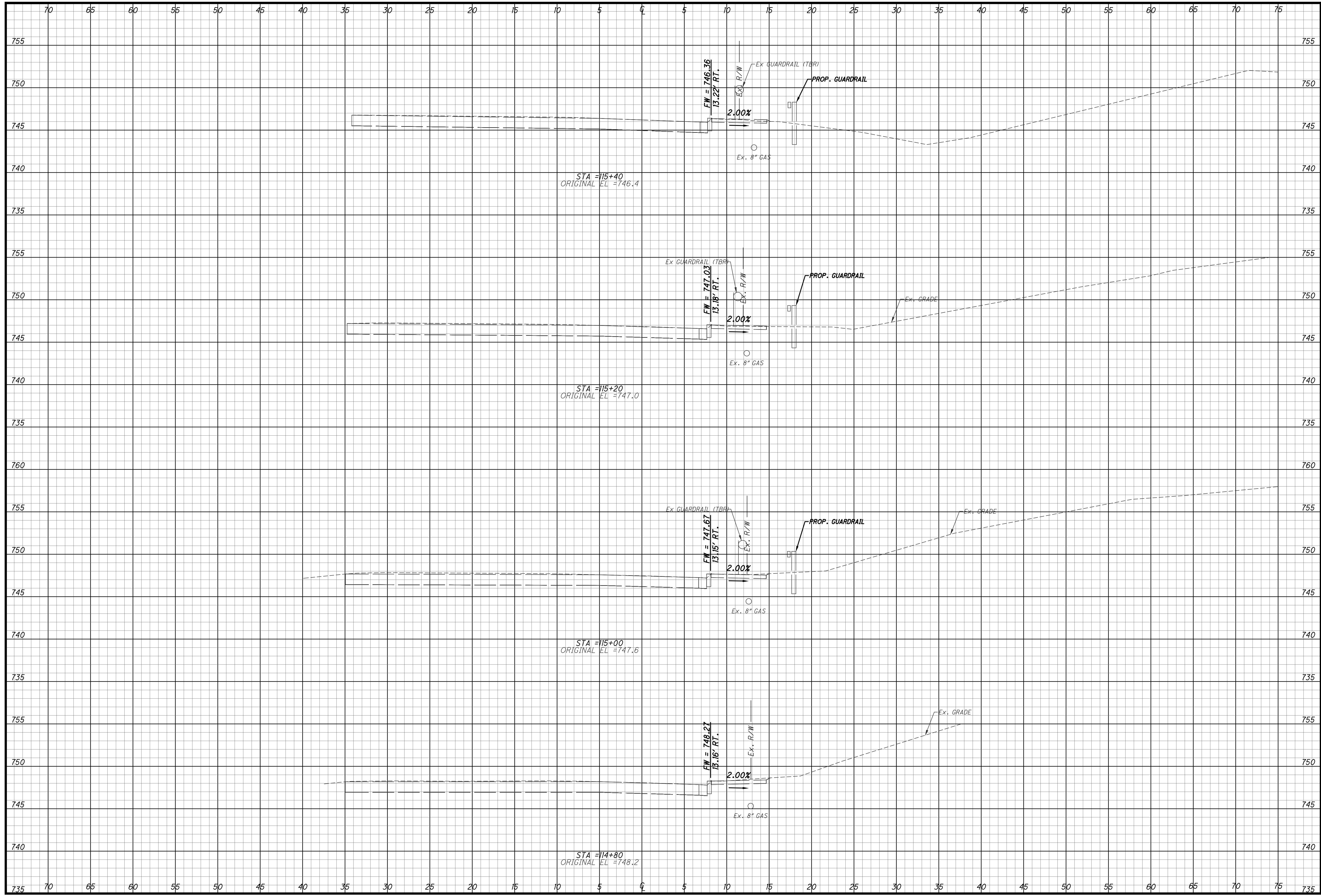
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 25 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 111+20 TO STA. 111+80**

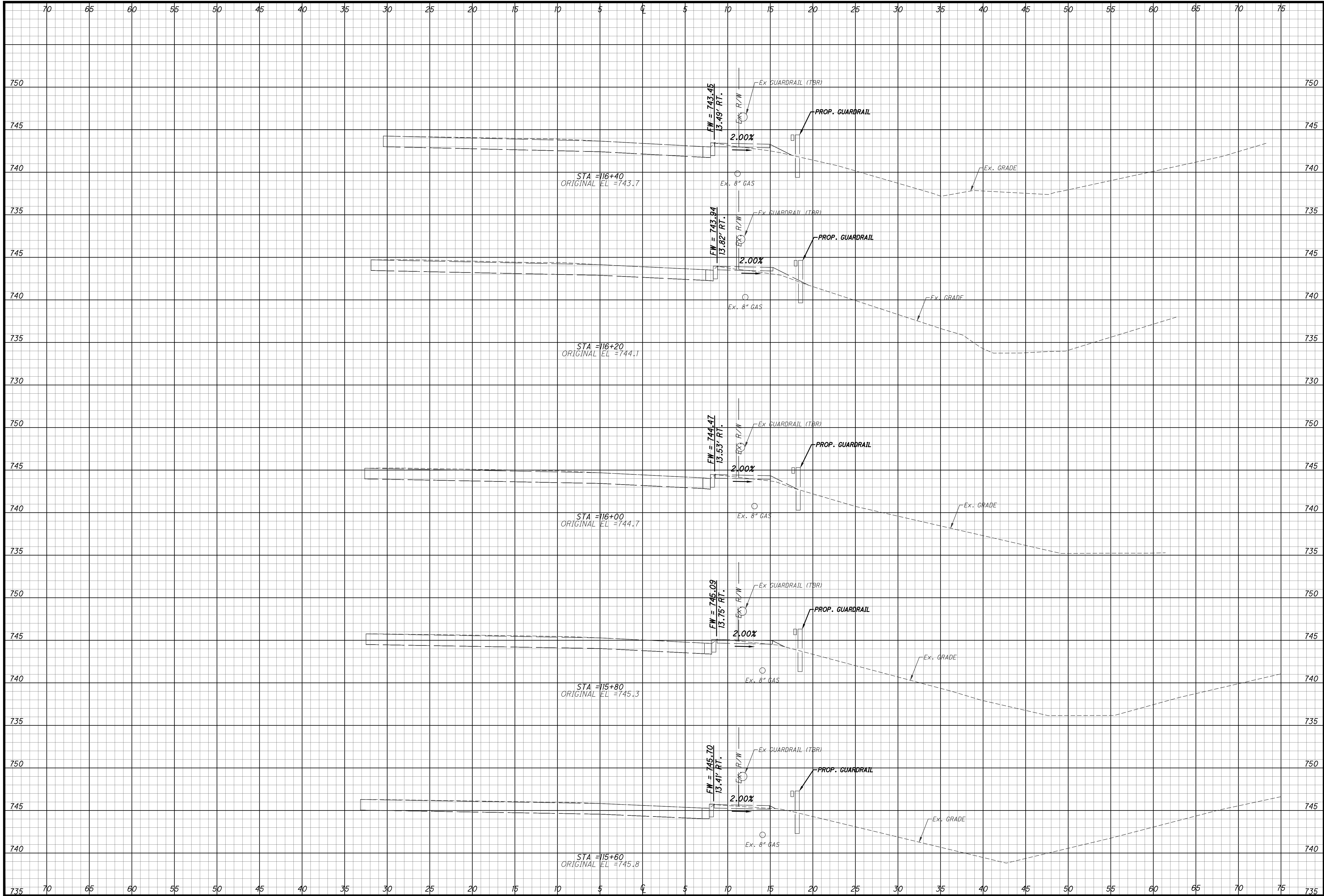
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 26 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 WOLFANGEL ROAD CS - STA. 112+00 TO STA. 112+60**

REVISIONS:
FILE NAME HAMAND2202.XS001
DRAWN BY JSM
CHECKED BY WJW
PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 27 OF 35

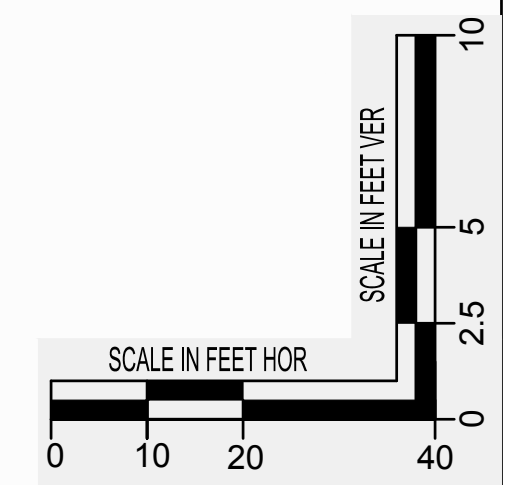
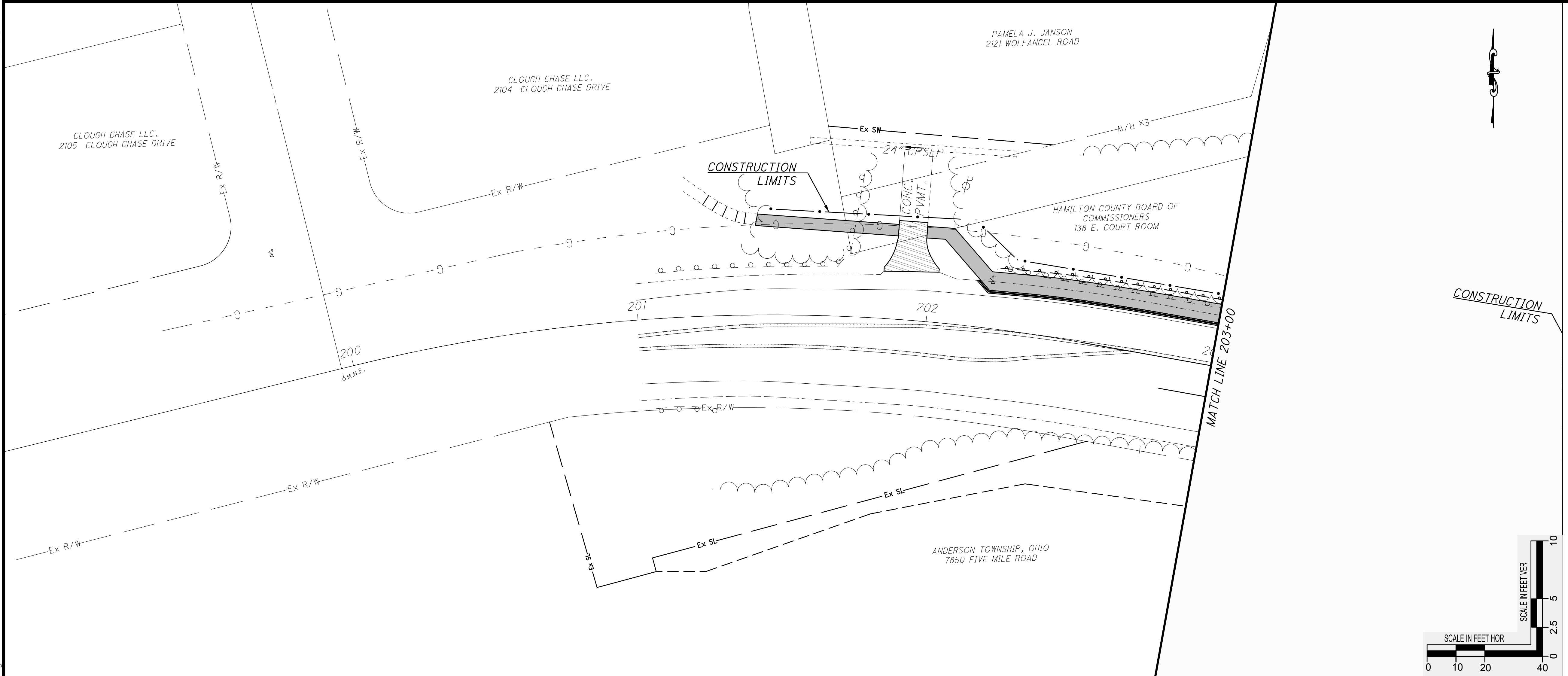


**WOLFANGEL ROAD SIDEWALK
ANDERSON TOWNSHIP
WOLFANGEL ROAD CS - STA. 112+80 TO STA. 113+40**

REVISIONS:

FILE NAME	HAMAND2202.XS001
DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	28 OF 35

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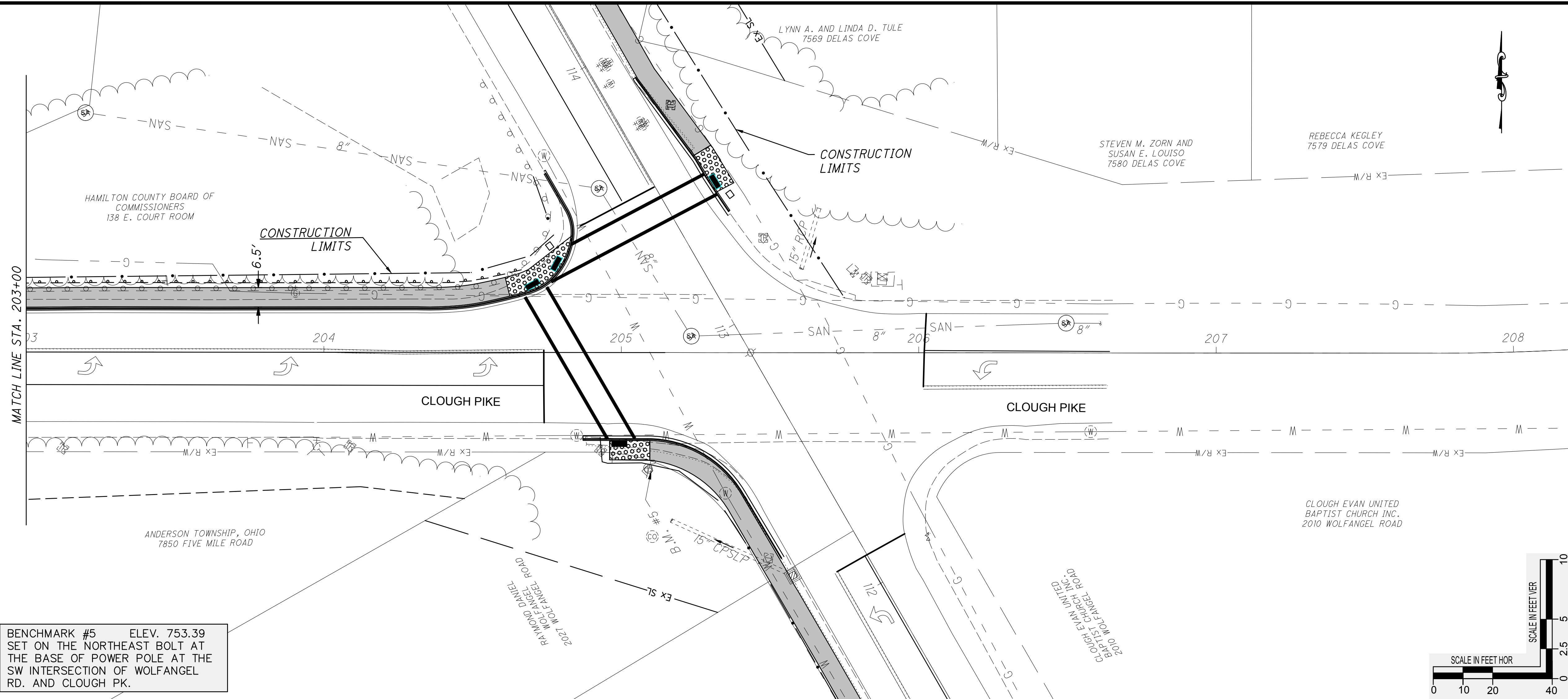


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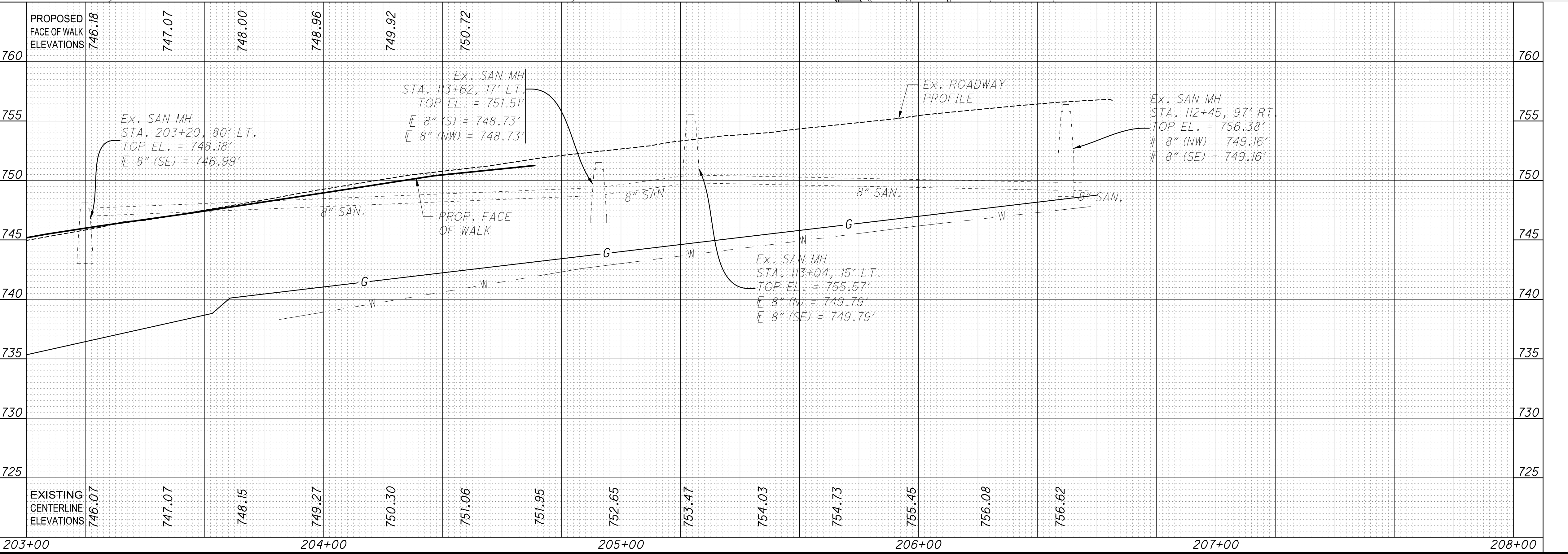
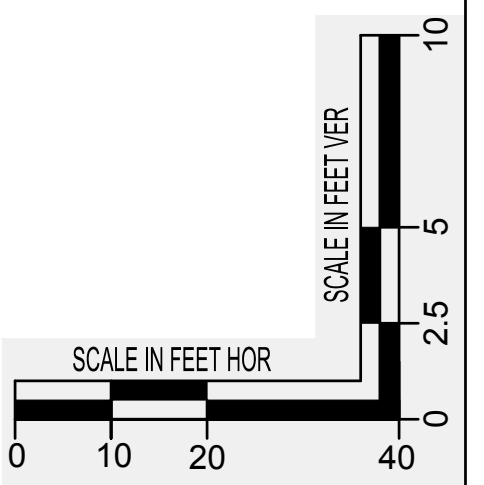
**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP**
 CLOUGH PIKE P-P STA. 199+00 TO STA. 203+00

REVISIONS:
FILE NAME CLOUGH-(1)
DRAWN BY JSM
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 29 OF 35

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BENCHMARK #5 ELEV. 753.39
 SET ON THE NORTHEAST BOLT AT
 THE BASE OF POWER POLE AT THE
 SW INTERSECTION OF WOLFANGEL
 RD. AND CROUGH PK.

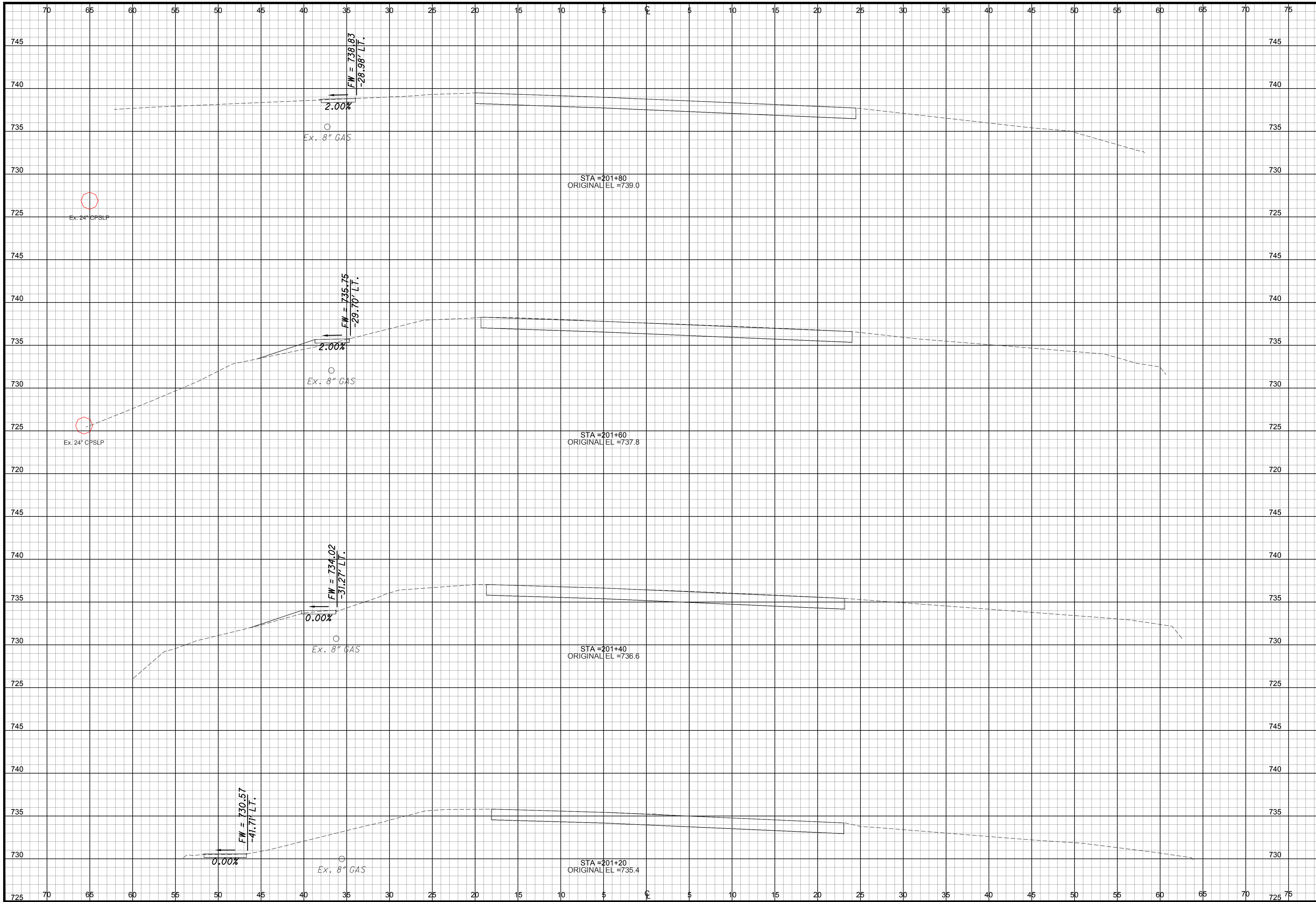


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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 CROUGH PIKE P-P STA. 203+00 TO STA. 208+00**

REVISIONS:

FILE NAME	CLOUGH-(2)
DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	30 OF 35

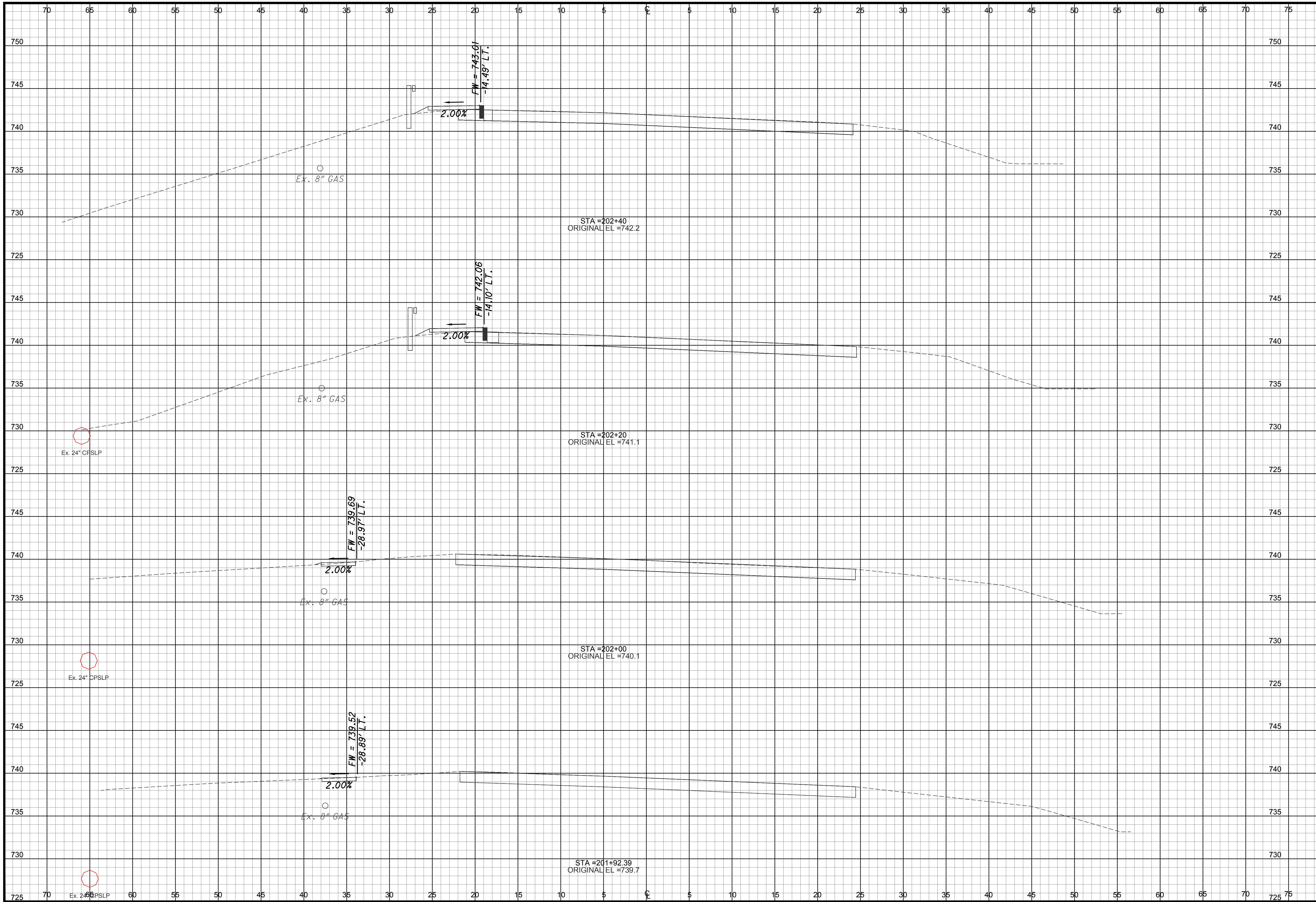


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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 CLOUGH PIKE CS - STA. 201+20 TO STA 201+80**

REVISIONS:

FILE NAME	CLOUGH_XS
DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	

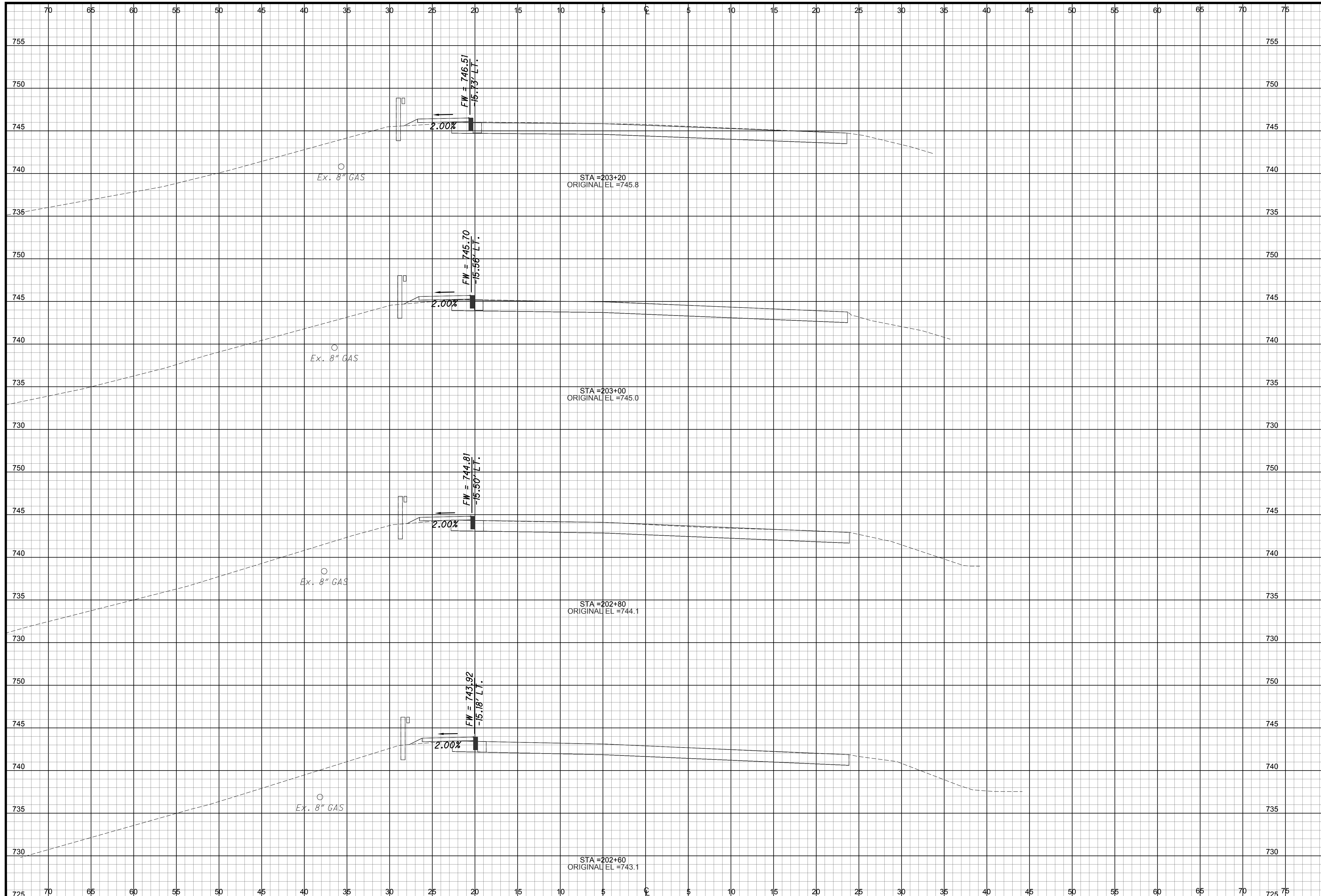


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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 CLOUGH PIKE CS - STA. 201+92.39 TO STA. 202+40**

REVISIONS:

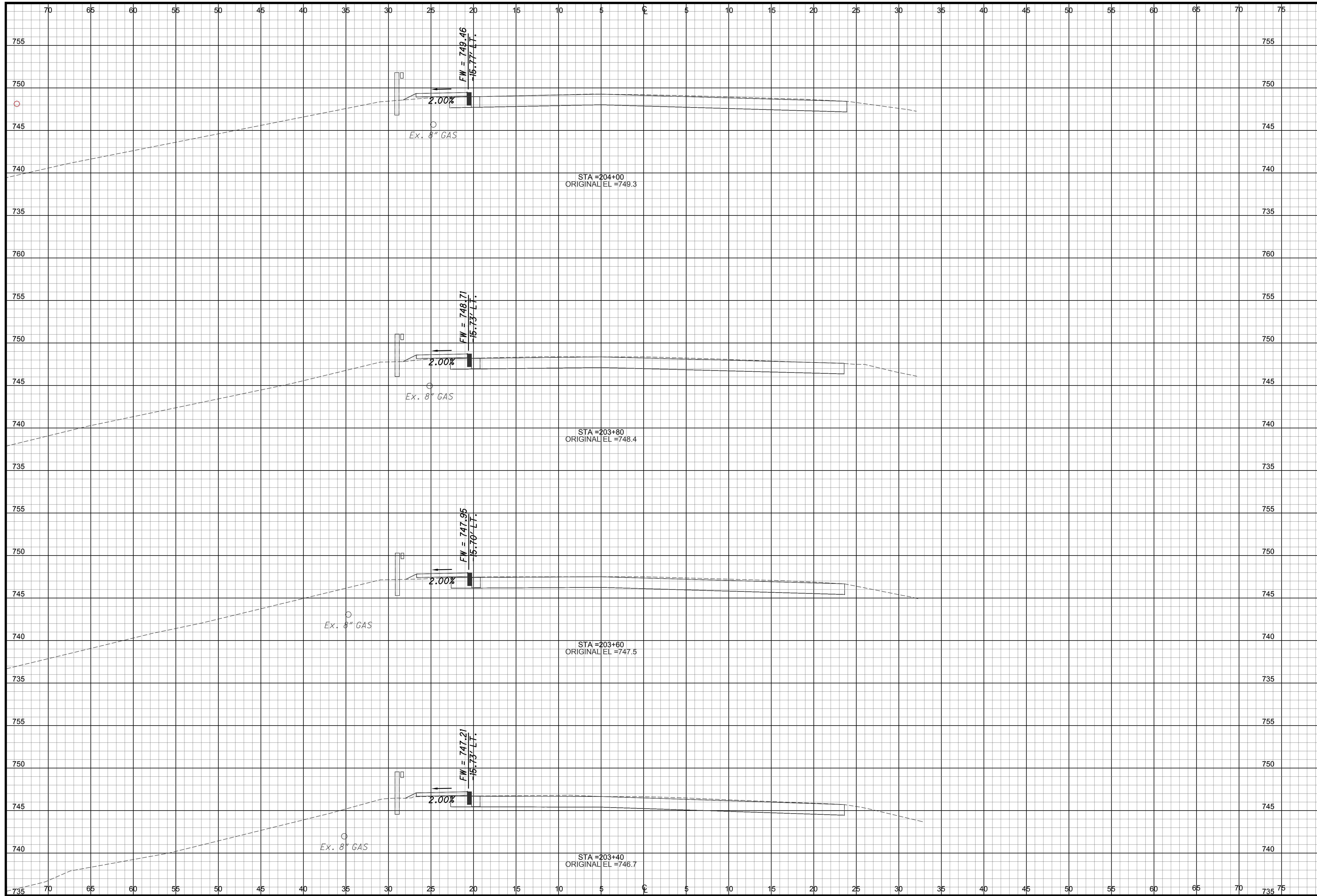
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PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	32 OF 35



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WOLFANGEL ROAD SIDEWALK
ANDERSON TOWNSHIP
CLOUGH PIKE CS - STA. 202+60 TO STA. 203+20

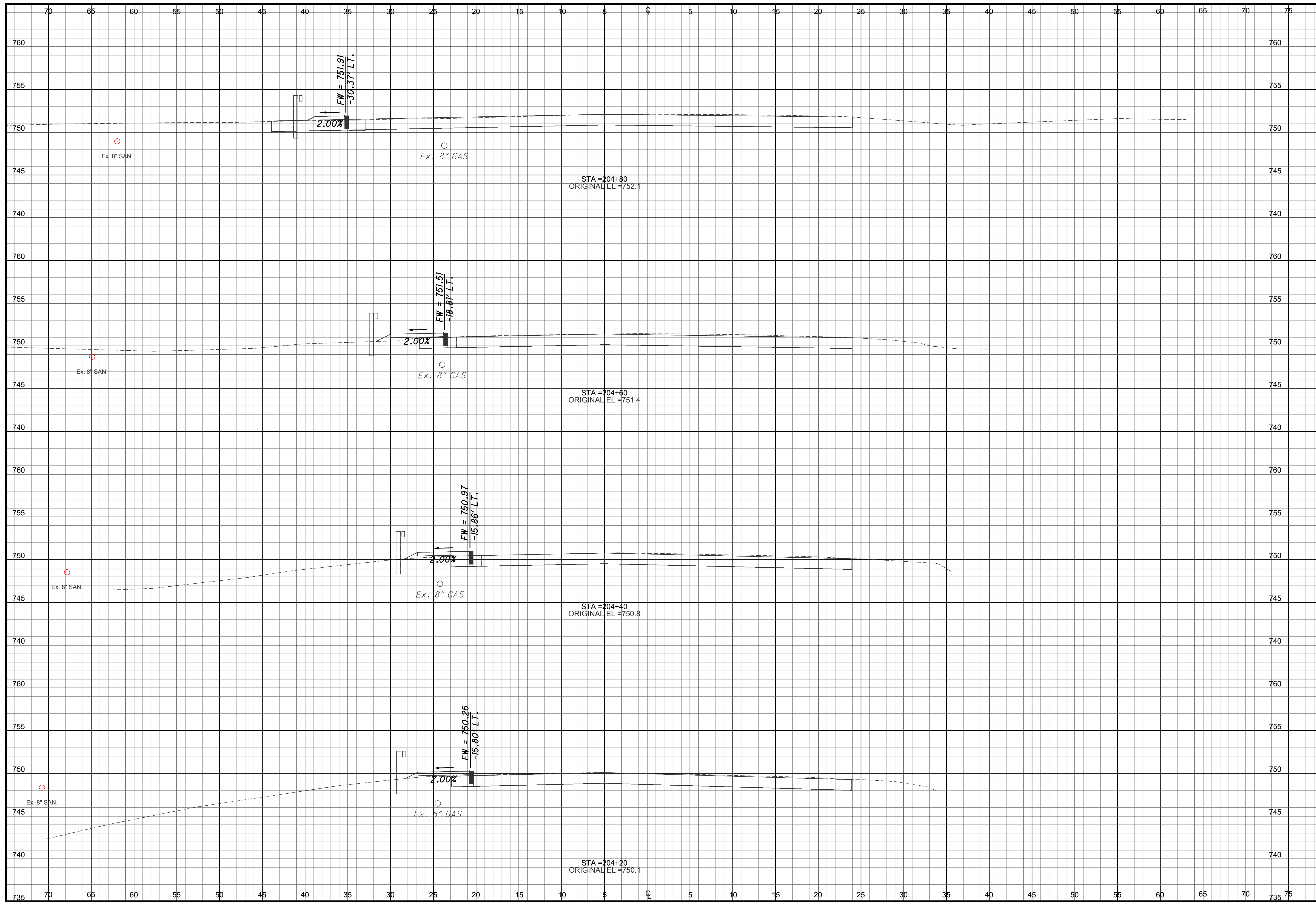
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PROJECT No. HAMAND2202
DATE 12/23/2022
SHEET NUMBER 33 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 CLOUGH PIKE CS - STA. 203+80 TO STA. 204+00**

REVISIONS:
FILE NAME CLOUGH_XS
DRAWN BY JSM
CHECKED BY WJW
PROJECT No. HAMAND2202
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SHEET NUMBER 34 OF 35



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**WOLFANGEL ROAD SIDEWALK
 ANDERSON TOWNSHIP
 CLOUGH PIKE CS - STA. 204+20 TO STA. 204+80**

REVISIONS:

FILE NAME	CLOUGH_XS
DRAWN BY	JSM
CHECKED BY	WJW
PROJECT No.	HAMAND2202
DATE	12/23/2022
SHEET NUMBER	