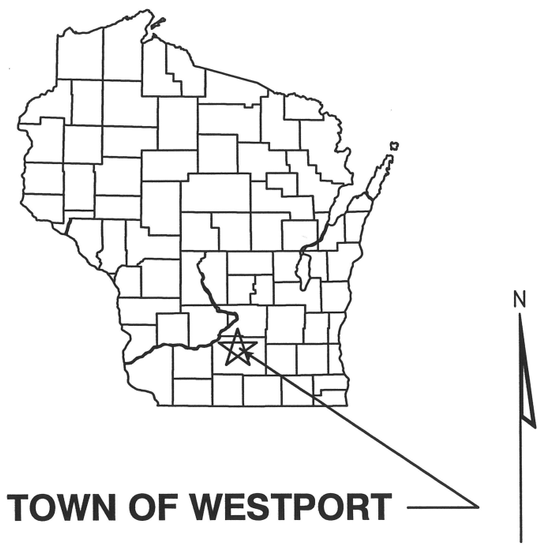
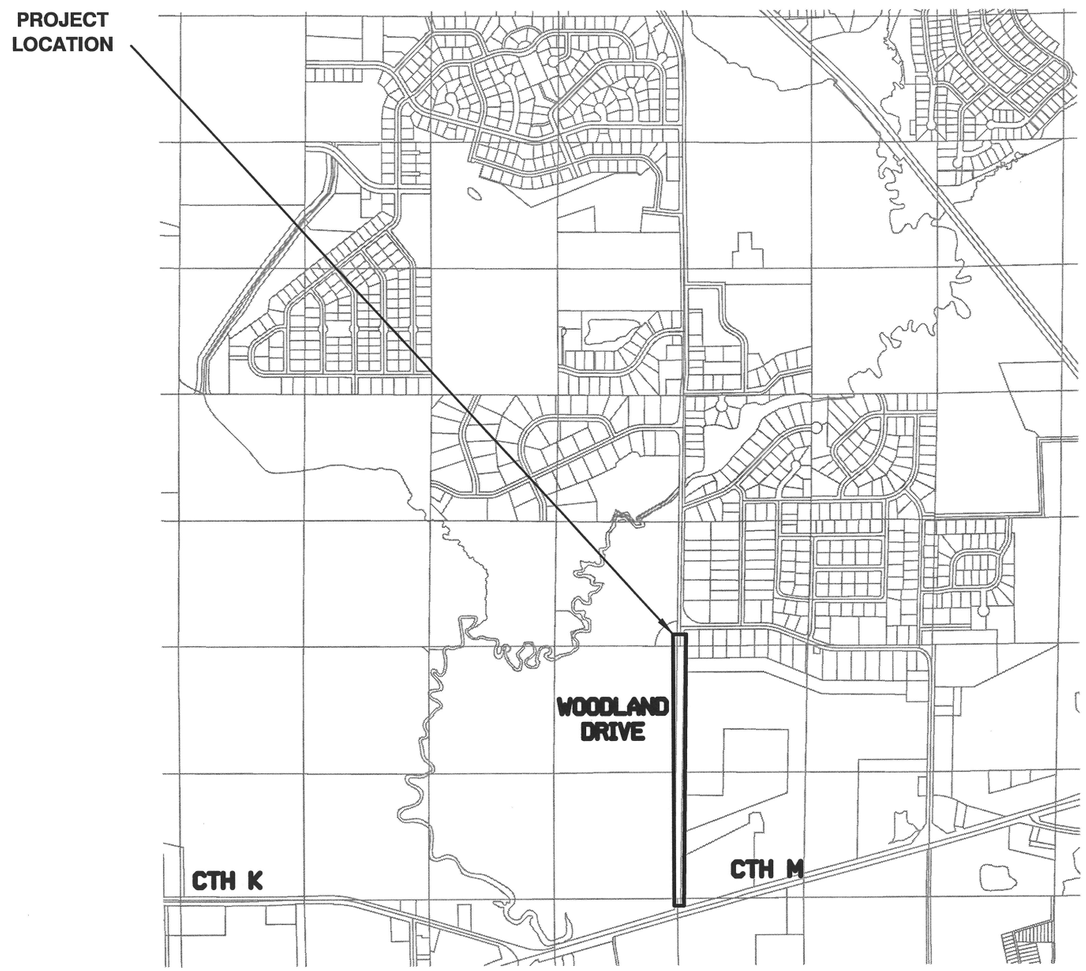
2016 WOODLAND DRIVE IMPROVEMENTS
FOR THE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN
JUNE, 2016





TOWN OF WESTPORT

NO SCALE

LIST OF DRAWINGS

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WISCONSIN
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PROFESSIONAL ENGINEER

6/23/16

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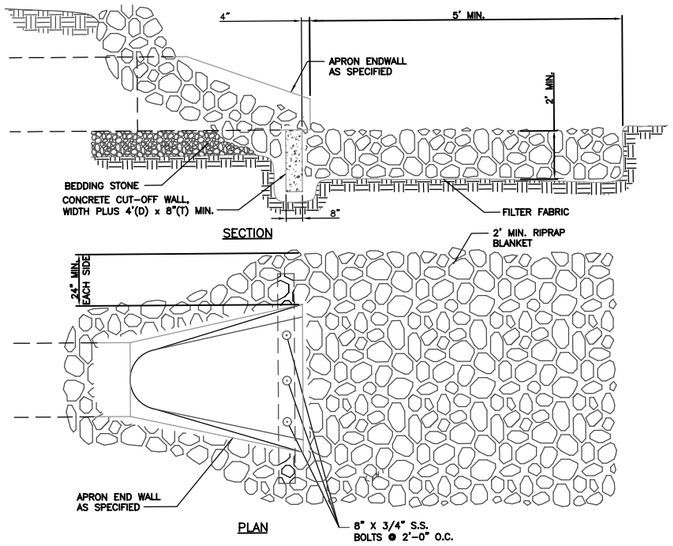
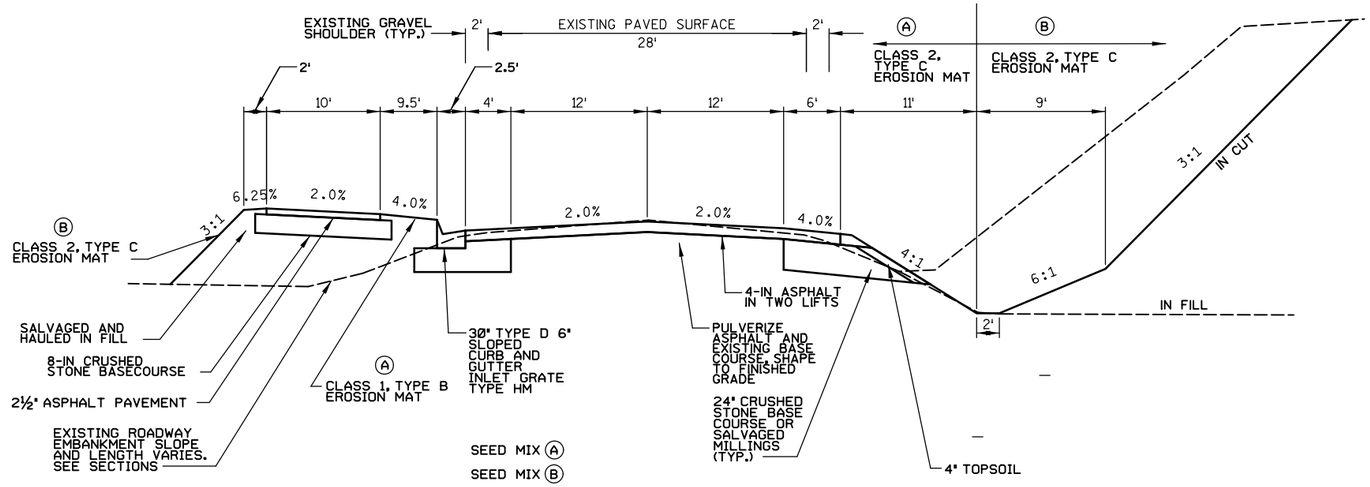
CONTRACT NO. 2-2016

SHEET 1
JOB NO. 1139.006



STORM SEWER OUTFALL

NOT TO SCALE



WOODLAND DRIVE TYPICAL SECTION

NOT TO SCALE

SEE SPECIFICATIONS FOR BORINGS/CORINGS OF EXISTING ROADWAY

STANDARD SYMBOLS

- PROPERTY LINE AND/OR RIGHT OF WAY
- TEMPORARY EASEMENT
- PERMANENT EASEMENT ON SEWER
- SECTION CORNER
- IP — IRON PIPE
- PROPERTY IRON
- MWEL — MONITORING WELL
- BORE — SOIL BORING
- BENCH MARK
- BURIED TELEPHONE CABLE PEDESTAL
- EXISTING UTILITY POLE
- LIGHT POLE
- TELEPHONE POLE
- PROPANE TANK
- MAIL BOX
- SIGN
- OBJECTS TO BE REMOVED
- CONIFEROUS TREE
- DECIDUOUS TREE
- STUMP
- BUSH
- WETLAND
- PAVED ROAD
- SS — EXISTING CULVERT
- EXISTING CULVERT IN PROFILE
- ORIGINAL GROUND IN PROFILE
- 740 — EXISTING CONTOUR
- FENCE
- GUARD RAIL
- SILT FENCE
- CONTROL POINT
- GUY — GUY WIRE
- INLET
- INLET SQUARE
- CATCH BASIN
- MH — MANHOLE
- FIRE HYDRANT
- WV — WATER VALVE
- CURB WATER BOX
- SEPC — SEPTIC
- SEPV — SEPTIC VENT
- WELL — WELL
- CAUTION — NOTATION FOR COMBUSTIBLE FLUIDS
- 6" — NEW WATER MAIN AND FIRE HYDRANT WITH AUXILIARY VALVE
- 6" SAN — NEW SANITARY SEWER AND MANHOLE
- 6" SAN — EXISTING SANITARY SEWER AND MANHOLE
- SAN — WYE BRANCH
- CASING PIPE
- FO — FIBER OPTIC
- SS — STORM SEWER
- SAN — SANITARY SEWER
- F — FORCE MAIN
- E — ELECTRIC DUCT
- STM — STEAM PIPING
- CWR — CILLED WATER RETURN
- CWS — CHILLED WATER SUPPLY
- TV — TV CABLE
- T — TELEPHONE
- 2" G — GAS MAIN
- E — UNDERGROUND ELECTRIC CABLE
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CURB AND GUTTER
- PROPOSED GRAVEL SHOULDER

UTILITY OWNERS

NOT ALL MAY BE PRESENT WITHIN PROJECT AREA

MG&E (ELECTRIC)
P.O. BOX 1231
MADISON, WI 53701-1231
CONTACT: JIM HERFEL
PH: (608)-252-7233
JHERFEL@MGE.COM

MG&E (GAS)
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MADISON, WI 53701-1236
CONTACT: SHAUN ENDRES
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SENDRES@MGE.COM

CHARTER COMMUNICATIONS
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JON.MARSCHKE@CHARTER.COM

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PH: (608)-664-4404
JERRY.MYERS@TDSTELECOM.COM

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6462 BLANCHARS CROSSING
WINDSOR, WI 53598
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PH: (608)-842-1705
BRANDSMITH@ALLIANTENERGY.COM

TOWN OF WESTPORT (SEWER/WATER)
5387 MARY LAKE ROAD
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BANDERSON@TOWNOFWESTPORT.ORG

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Toll Free (800) 242-8511
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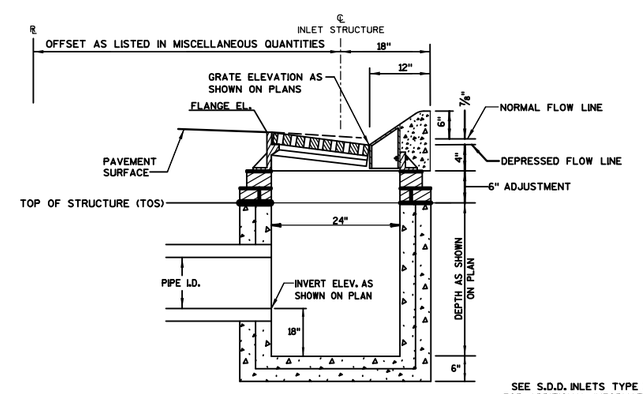

SEE S.D.D. INLETS TYPE 3 FOR ADDITIONAL INFORMATION

SECTION A-A

(TYPE 3-HM INLET SHOWN)

DETAIL OF CONCRETE CURB AND GUTTER 6-INCH SLOPED 30-INCH TYPE D AT INLETS

NO.	REVISIONS	DATE:

STANDARD SYMBOLS AND DETAILS

2016 WOODLAND DRIVE IMPROVEMENTS

TOWN OF WESPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006

PROJECT MGR. RKS

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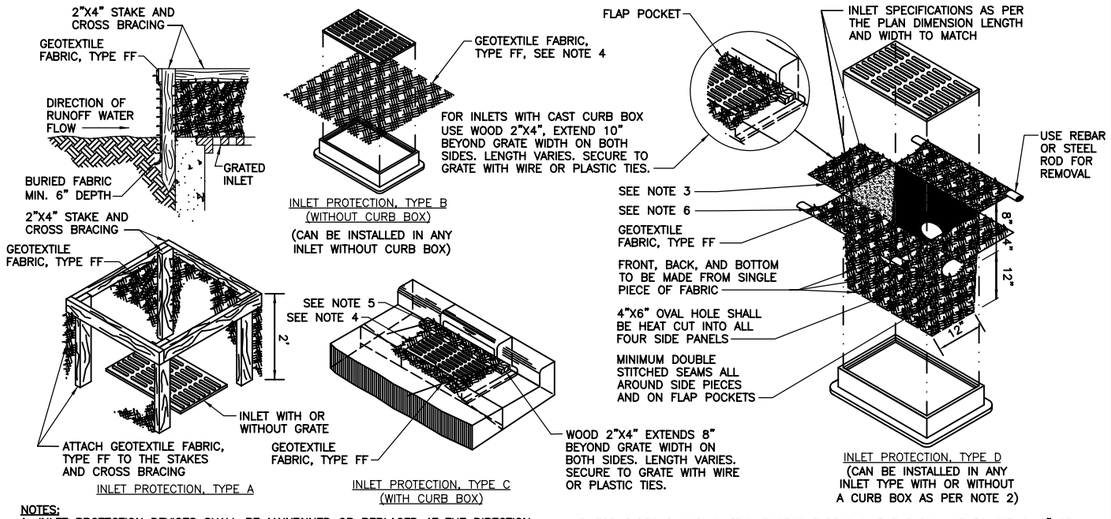
SHEET 2



NOTES:

1. INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER.

2. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENTS EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.

3. WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET, ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.

4. FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.

5. FOR INLET PROTECTION, TYPE C (WITH CURB BOX), AN ADDITIONAL 18" OF FABRIC IS WRAPPED AROUND THE WOOD AND SECURED WITH STAPLES. THE WOOD SHALL NOT BLOCK THE ENTIRE HEIGHT OF THE CURB BOX OPENING.

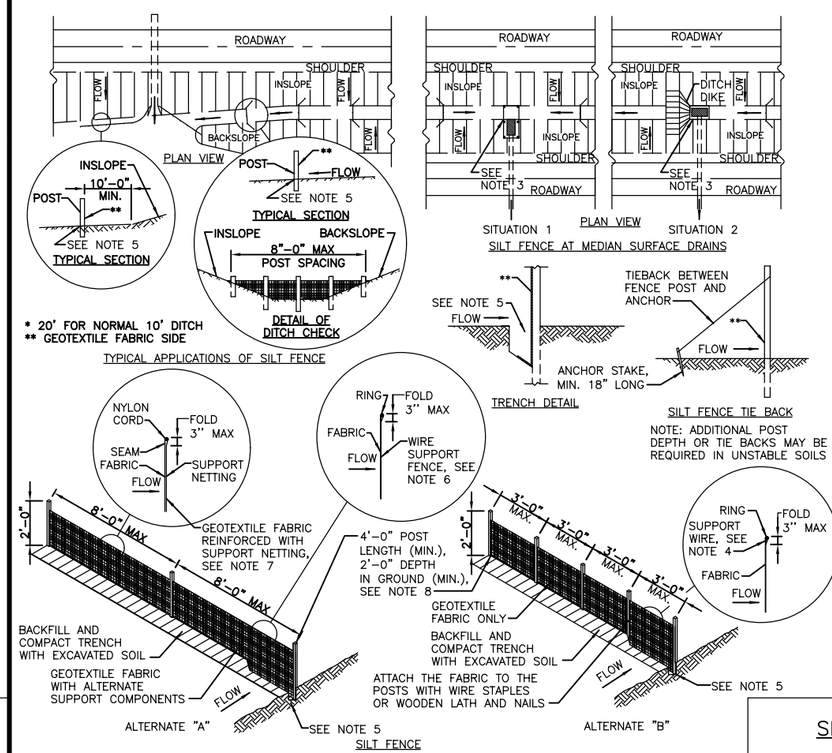
6. FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

7. FOR TYPES B AND C, TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE CONTRACTOR SHALL DEMONSTRATE A METHOD OF MAINTENANCE, USING A SEWN FLAP, HAND HOLDS OR OR OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.

8. FOR TYPE D, DO NOT INSTALL INLET PROTECTION TYPE D INLETS SHALLOWER THAN 30", MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE. TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 3" OF THE GRATE. THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OF 3". WHERE NECESSARY, THE CONTRACTOR SHALL CINCH THE BAG, USING PLASTIC ZIP TIES, TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

INLET PROTECTION TYPE A, B, C, AND D

(WDNR TECHNICAL STANDARD 1060)



NOTES:

1. DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

2. WHEN POSSIBLE THE SILT FENCE SHOULD BE CONSTRUCTED IN AN ARC OR HORSESHOE SHAPE, WITH THE ENDS POINTING UPSLOPE TO MAXIMIZE BOTH STRENGTH AND EFFECTIVENESS.

3. CROSS BRACE WITH 2"x4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.

4. MINIMUM 14 GAGE WIRE REQUIRED, FOLD FABRIC 3" OVER THE WIRE AND STAPLE OR PLACE WIRE RINGS ON 12" C–C.

5. EXCAVATE TRENCH A MINIMUM OF 4" WIDE AND 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC, FOLD MATERIAL TO FIT TRENCH AND BACKFILL AND COMPACT TRENCH WITH EXCAVATED SOIL.

6. WIRE SUPPORT FENCE SHALL BE 14 GAGE MINIMUM WOVEN WIRE WITH A MAXIMUM MESH SPACING OF 6". SECURE TOP OF GEOTEXTILE FABRIC TO TOP OF FENCE WITH STAPLES OR WIRE RINGS AT 12" C–C.

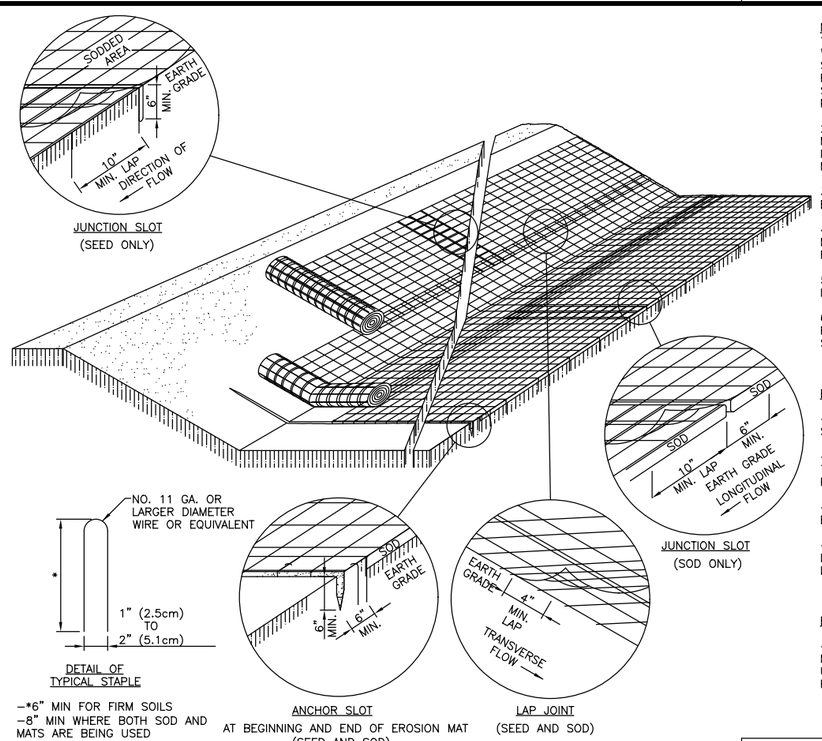
7. GEOTEXTILE FABRIC SHALL BE REINFORCED WITH AN INDUSTRIAL POLYPROPYLENE NETTING WITH A MAXIMUM MESH SPACING OF 1/4" OR EQUAL. A HEAVY DUTY NYLON TOP SUPPORT CORD OR EQUIVALENT IS REQUIRED.

8. STEEL POSTS SHALL BE STUDDED "TEE" OR "U" TYPE WITH A MINIMUM WEIGHT OF 1.2 LBS/LINEAR FOOT WITHOUT ANCHORS, OR ANCHORS SUFFICIENT TO RESIST POST MOVEMENT ARE REQUIRED. WOOD POSTS SHALL BE A MINIMUM SIZE OF 4" DIAMETER, OR 2 1/2" X 3 1/2", EXCEPT WOOD POSTS FOR GEOTEXTILE FABRIC REINFORCED WITH NETTING SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OAK OR HICKORY.

9. ALTERNATES A AND B ARE EQUAL AND EITHER MAY BE USED.

SILT FENCE

(WDNR TECHNICAL STANDARD 1056)



NOTES:

1. DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.

2. VARIATIONS IN THE DIMENSIONS OR MATERIALS SHOWN HEREON SHALL BE PERMITTED IF THEY PROVIDE EQUIVALENT PROTECTION AND MATERIAL STRENGTH.

3. LAP JOINTS SHALL NOT BE PLACED IN THE BOTTOM OF V–SHAPED DITCHES.

4. JUNCTION SLOTS ON ADJACENT STRIPS OF MATTING SHALL BE STAGGERED A MINIMUM OF 4 FEET APART.

5. EDGES OF THE EROSION MAT SHALL BE IMPRESSED IN THE SOIL.

6. EROSION MAT SHALL BE MEASURED AND PAID FOR IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

EROSION MAT OVER SOD

– ONLY JUTE FABRIC WILL BE PERMITTED OVER SOD.

– FLOOD STAKES FOR SOD MAY BE OMITTED IF THE EXISTING SLOPE AND SOIL CONDITIONS SO PERMIT.

– THE WIDTH OF EROSION MAT SHALL ALWAYS EQUAL THE SOD WIDTH.

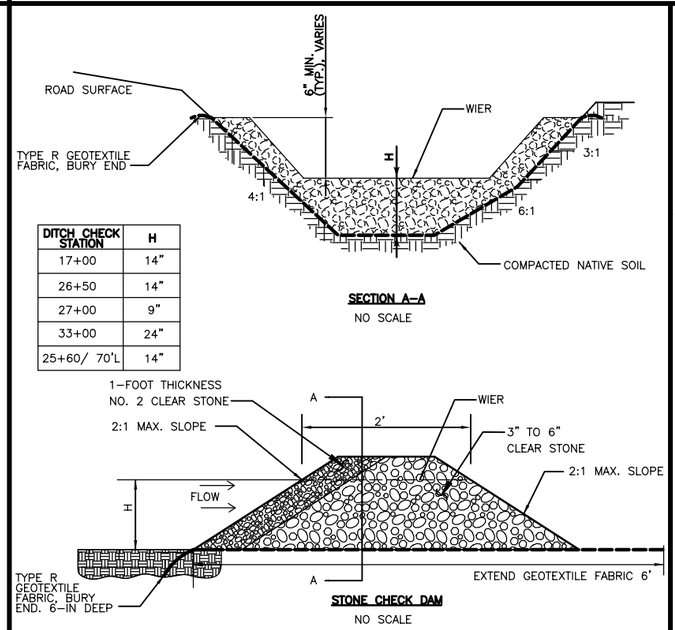
– SOD STRIPS MAY BE PLACED EITHER LONGITUDINALLY OR TRANSVERSELY TO THE FLOW LINE OF THE DITCH.

EROSION MAT OVER SEEDING

– JUNCTION OR ANCHOR SLOTS SHALL BE AT MINIMUM INTERVALS OF 100 FEET ON GRADES UP TO AND INCLUDING 3 PERCENT, AND 50 FEET ON GRADES EXCEEDING 3 PERCENT.

EROSION CONTROL MAT INSTALLATION

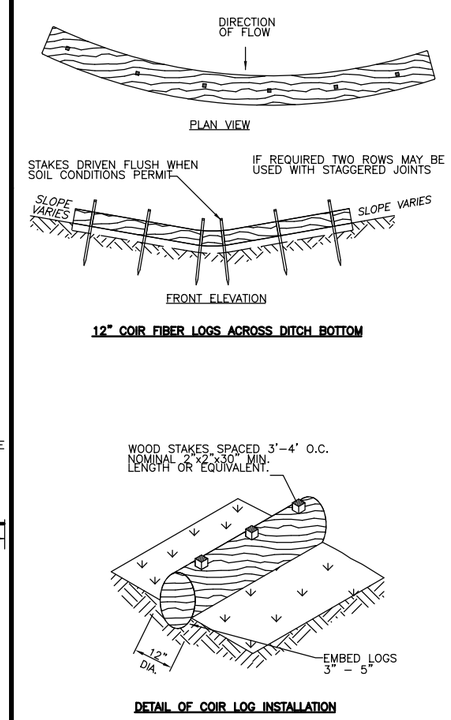
(WDNR TECHNICAL STANDARD 1052)



DITCH CHECK STATION	H
17+00	14"
26+50	14"
27+00	9"
33+00	24"
25+60/ 70'L	14"

NOTES:

1. DITCH CHECKS SHALL FOLLOW ALL ADDITIONAL REQUIREMENTS AS STATED IN THE DNR TECHNICAL STANDARD DITCH CHECK – 1062 AND DANE COUNTY STONE CHECK DAM GUIDANCE



NO.	REVISIONS	DATE:

EROSION CONTROL DETAILS

2016 WOODLAND DRIVE IMPROVEMENTS

TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006

PROJECT MGR. RKS

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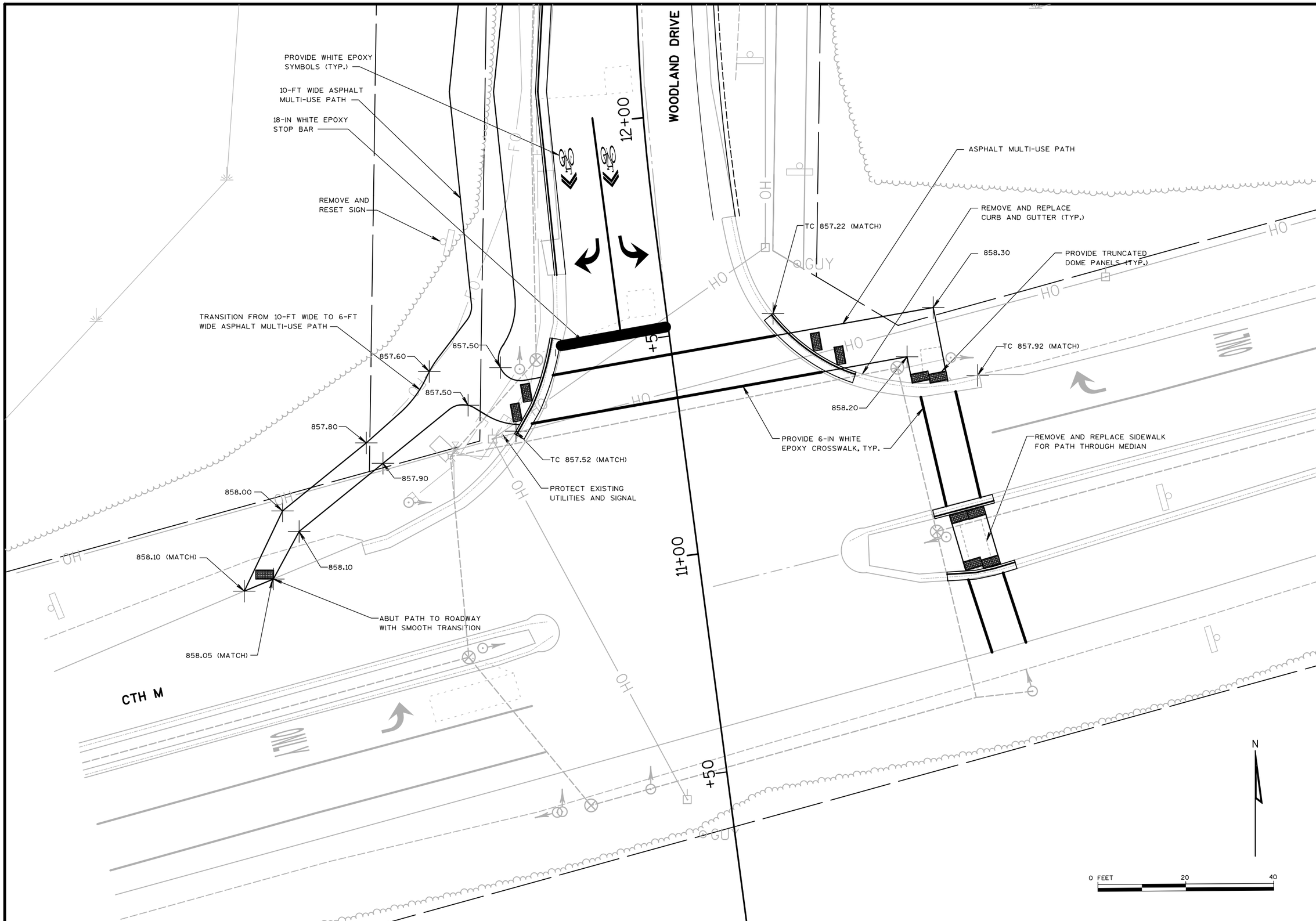
SHEET 3



NO.	REVISIONS	DATE:

WOODLAND DRIVE INTERSECTION PLAN

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

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SHEET
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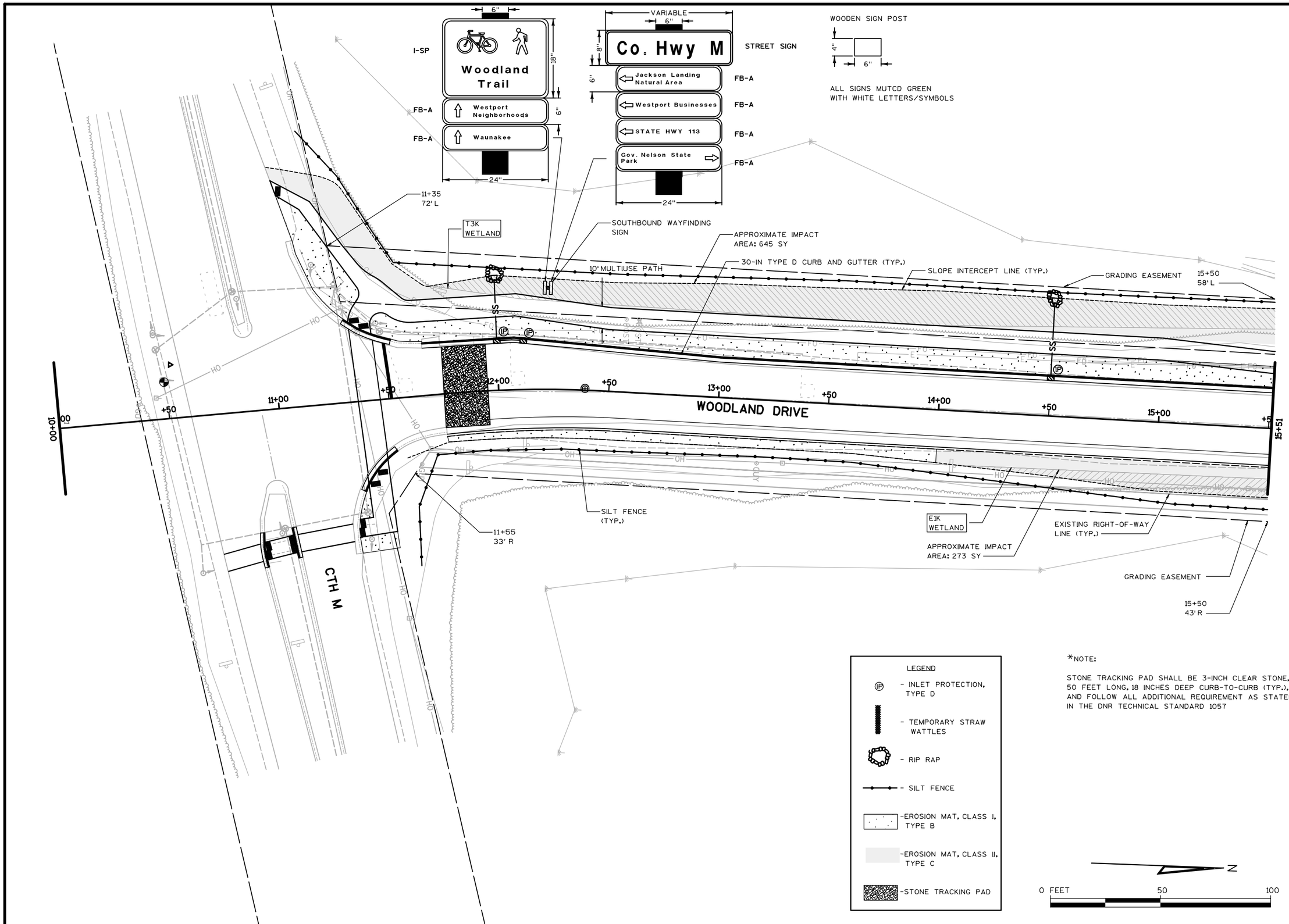

NO.	REVISIONS	DATE:

EROSION CONTROL AND WAYFINDING SIGNAGE

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

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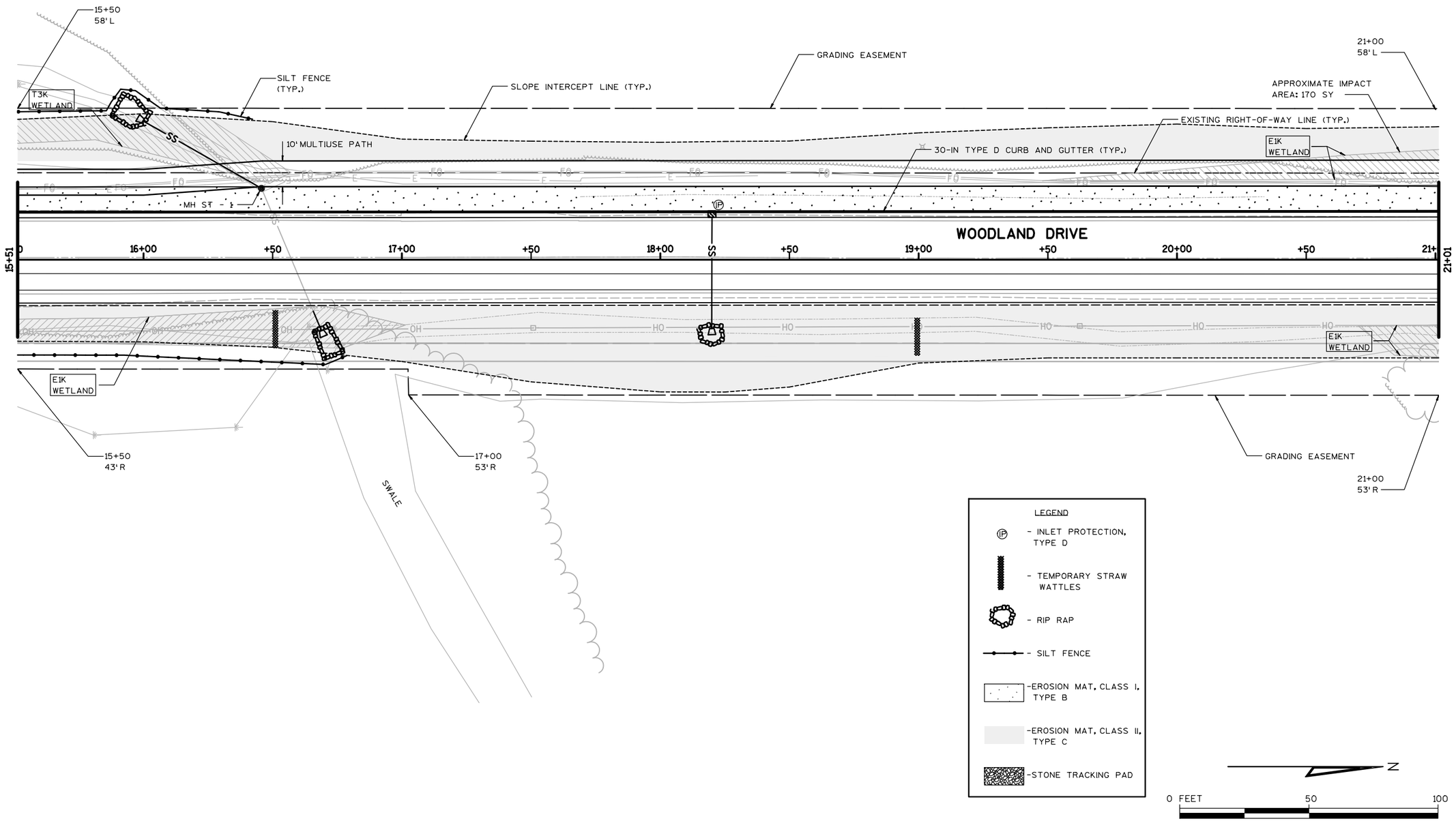

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EROSION CONTROL AND WAYFINDING SIGNAGE

2016 WOODLAND DRIVE IMPROVEMENTS
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SHEET
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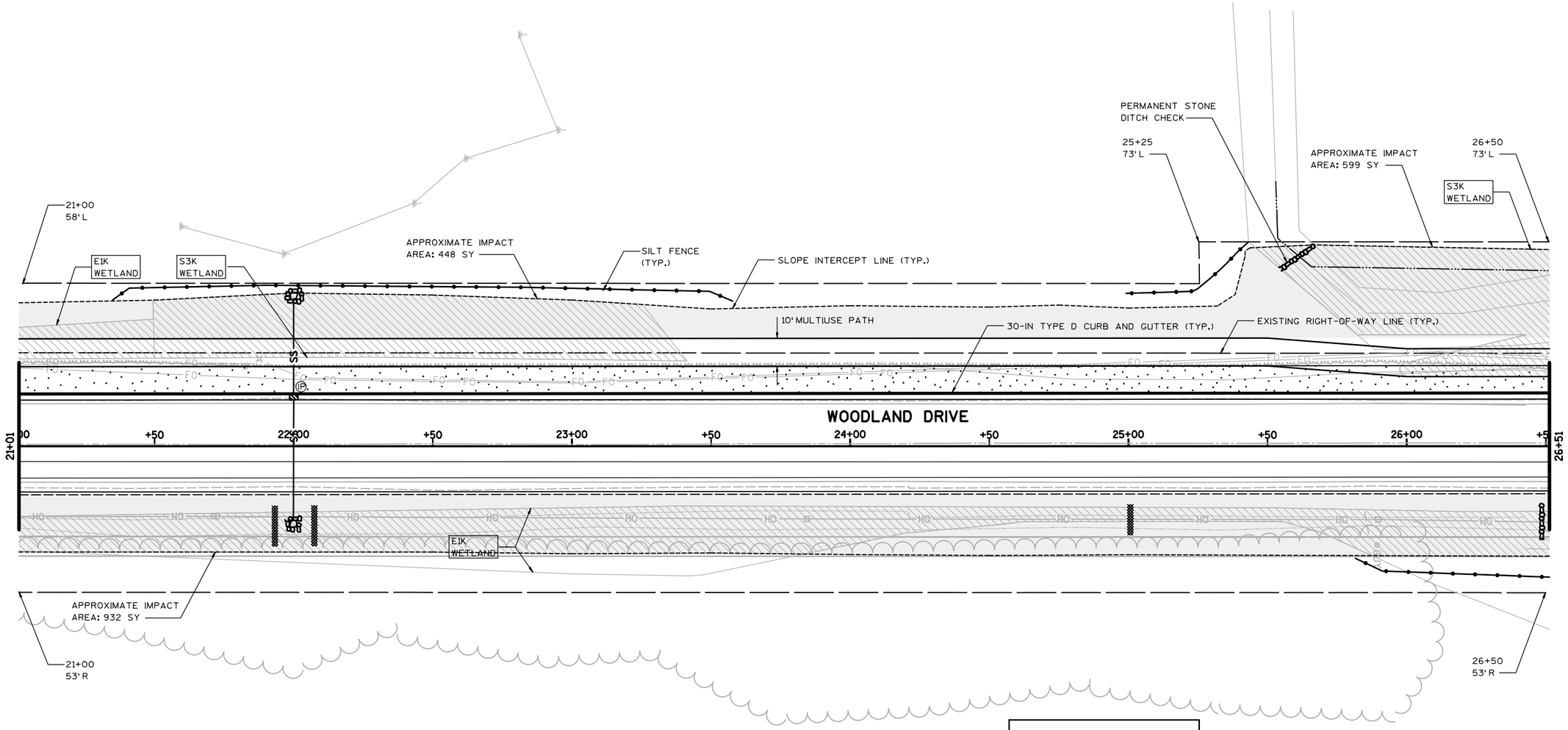

LEGEND

- INLET PROTECTION, TYPE D
- TEMPORARY STRAW WATTLES
- RIP RAP
- SILT FENCE
- EROSION MAT, CLASS I, TYPE B
- EROSION MAT, CLASS II, TYPE C
- STONE TRACKING PAD

N

0 FEET 50 100

NO.	REVISIONS	DATE:

EROSION CONTROL AND WAYFINDING SIGNAGE

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
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SHEET
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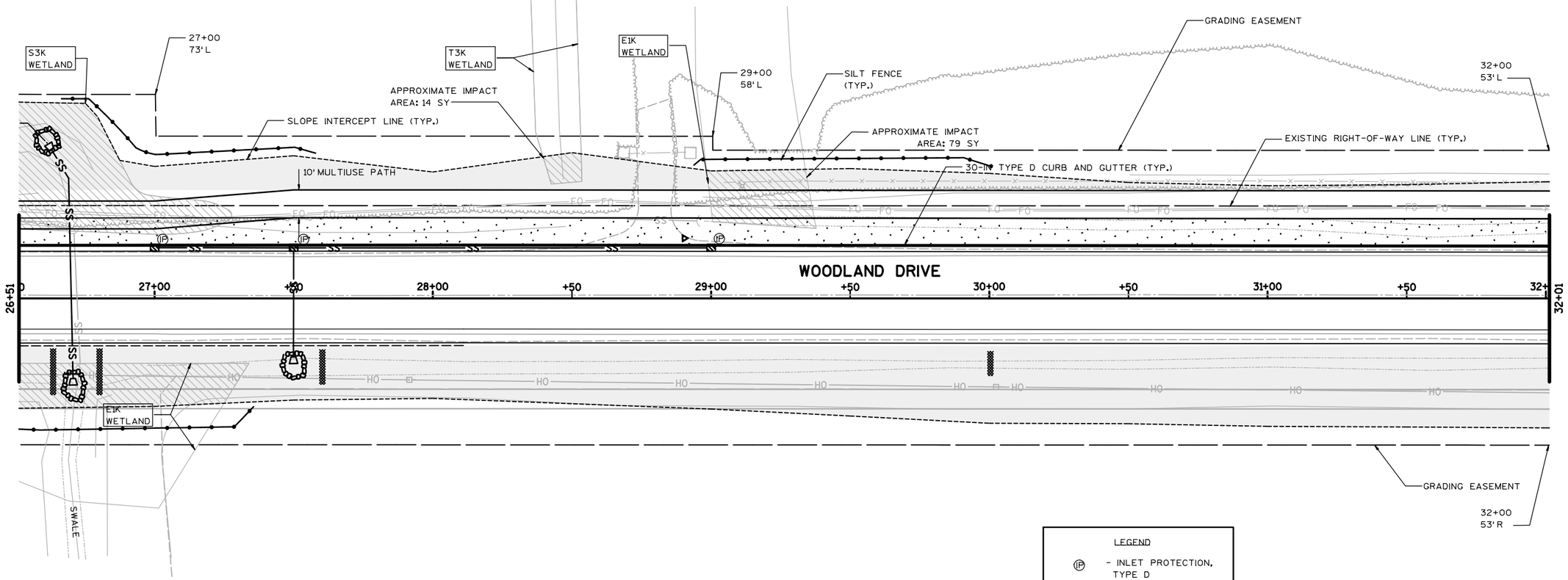

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N

0 FEET 50 100

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EROSION CONTROL AND WAYFINDING SIGNAGE

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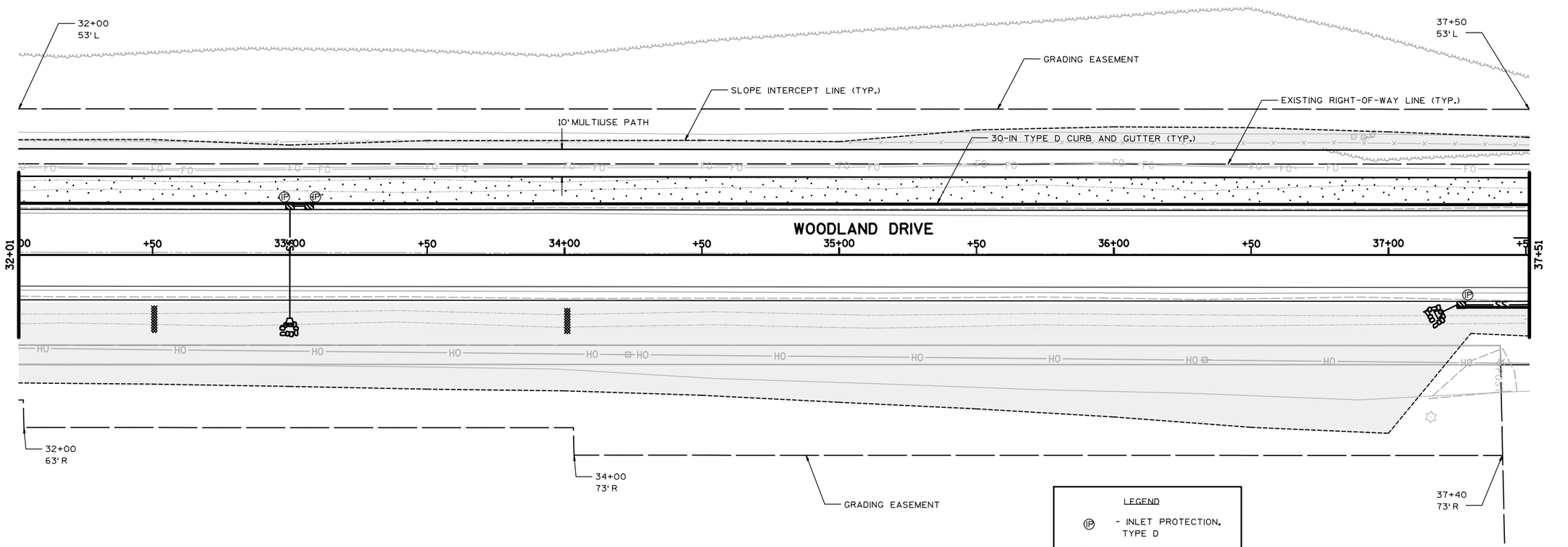

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0 FEET 50 100

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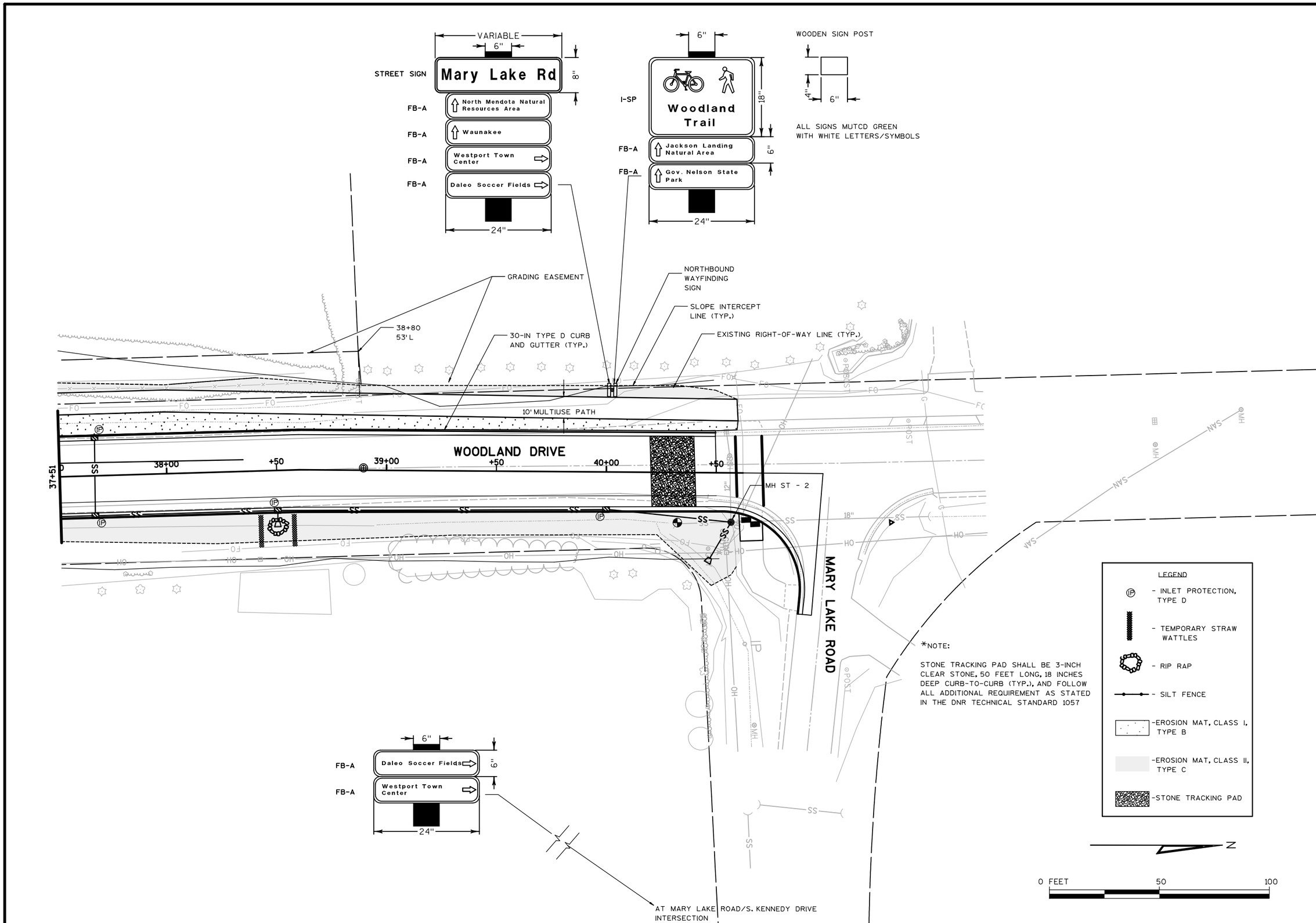
9



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EROSION CONTROL AND WAYFINDING SIGNAGE

2016 WOODLAND DRIVE IMPROVEMENTS
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DANE COUNTY, WISCONSIN

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SHEET 10

GENERAL NOTES FOR TRAFFIC CONTROL

1. THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS REQUESTED BY THE ENGINEER.
2. DRAWINGS SHOW TRAFFIC CONTROL FOR A TYPICAL SITUATION. ADDITIONAL TRAFFIC CONTROL DEVICES MAY BE REQUIRED AND/OR LAYOUT DETAILS MODIFIED DEPENDING ON CONTRACTORS METHODS OR SEQUENCES OF OPERATION.
3. THE SPACING BETWEEN SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND TO PROVIDE A MINIMUM OF 200 FEET (500 FEET DESIRABLE) DISTANCE TO EXISTING SIGNS.
4. ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN-USE" SHALL BE REMOVED OR COVERED AS NEEDED AS APPROVED BY THE ENGINEER. NO WARNING LIGHTS SHALL BE WORKING ON "COVERED" OR "DOWNED" SIGNS.
5. EXISTING TRAFFIC SIGNS MAY REQUIRE RELOCATION DURING STAGES OF CONSTRUCTION AND SHALL BE LOCATED AS REQUIRED BY THE ENGINEER IN THE FIELD.
6. MOVE, REMOVE, OR INSTALL ROUTE MARKER SIGNS AS REQUIRED TO MAINTAIN NECESSARY ROUTE GUIDANCE THROUGHOUT CONSTRUCTION. REFER TO EXISTING SIGN REMOVAL PLANS FOR EXISTING ROUTE GUIDANCE.
7. CONSIDER GEOMETRICS WHEN LOCATING SIGNS, ARROW BOARDS AND SIGN MESSAGE BOARDS SO THE DRIVER HAS A CLEAR VIEW OF THE ARROW BOARDS, SIGN MESSAGE BOARDS, AND LANE CLOSURE DRUMS FOR A MINIMUM OF 1500 FEET IN FRONT OF THE DRUMS.
8. THE TURNING OF TRAFFIC CONTROL DEVICES WHEN NOT IN USE TO OBSCURE THE MESSAGE WILL NOT BE ALLOWED.
9. PAVEMENT MARKING CONFLICTING WITH STAGED TRAFFIC PATTERNS SHALL BE REMOVED.
10. ROAD MACHINERY, TRUCK ENTRANCE, FLAGMEN AHEAD, ETC., SIGNS SHALL BE USED AS NEEDED AND SHALL BE REMOVED OR COVERED WHEN THE ACTIVITY OR CONDITION DOES NOT EXIST. NO WARNING LIGHT SHALL BE USED WITH A COVERED SIGN.
11 LOCAL ACCESS SHALL BE MAINTAINED AT ALL TIMES.
12. ALL SIGNS ARE 48" X 48" UNLESS OTHERWISE NOTED.
13. "WO" SIGNS ARE THE SAME AS "W" SIGNS EXCEPT THE BACKGROUND IS ORANGE.
14. DETAILS OF TRAFFIC CONTROL NOT SHOWN SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPLICABLE SPECIAL PROVISIONS, THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, AND THE WISCONSIN SUPPLEMENT TO THE MUTCD.
15. FOR NIGHTTIME OPERATION ALL DRUMS IN TAPERS SHALL HAVE A TYPE C WARNING LIGHT.
16. ALL TYPE III BARRICADES SHALL BE 8' WIDE, UNLESS OTHERWISE NOTED, AND EQUIPPED WITH TWO TYPE "A" (LOW INTENSITY FLASHING) LIGHTS.
17. ANCHOR CONCRETE BARRIER TEMPORARY PRECAST PER SDD "CONCRETE BARRIER TEMPORARY PRECAST"
18. CONCRETE BARRIER TEMPORARY PRECAST LOCATIONS IN TRAFFIC CONTROL PLANS ARE TYPICAL AND MAY VARY.
19. PROTECTION OF THE EXCAVATIONS IS THE CONTRACTORS RESPONSIBILITY AND IS INCIDENTAL TO THE OPERATION FOR WHICH IT IS REQUIRED.

STAGE 1

CONSTRUCTION:

-EXCAVATION AND PLACEMENT OF BASE ALONG THE NORTHBOUND RIGHT SHOULDER AND DITCH.

-GRADE BASE TO MATCH EXISTING ROADWAY TO ACCOMODATE STAGE 2 TRAFFIC.

-PLACE PORTIONS OF STORM SEWER NOT IN TRAFFIC, USE FLAGGING AS NEEDED FOR PLACEMENT IN CLOSE PROXIMITY TO TRAFFIC.

-PLACE PEDESTRIAN OPENINGS, SIDEWALK, AND CURB ON CTH M AND IN THE WOODLAND DRIVE INTERSECTION, NORTHEAST QUADRANT. USE FLAGGING AS NEEDED FOR PLACEMENT IN CLOSE PROXIMITY TO TRAFFIC.

-PLACE STORM SEWER CROSSINGS AS NECESSARY TO MAINTAIN DRAINAGE. USE FLAGGING OPERATION AS REQUIRED.

TRAFFIC:

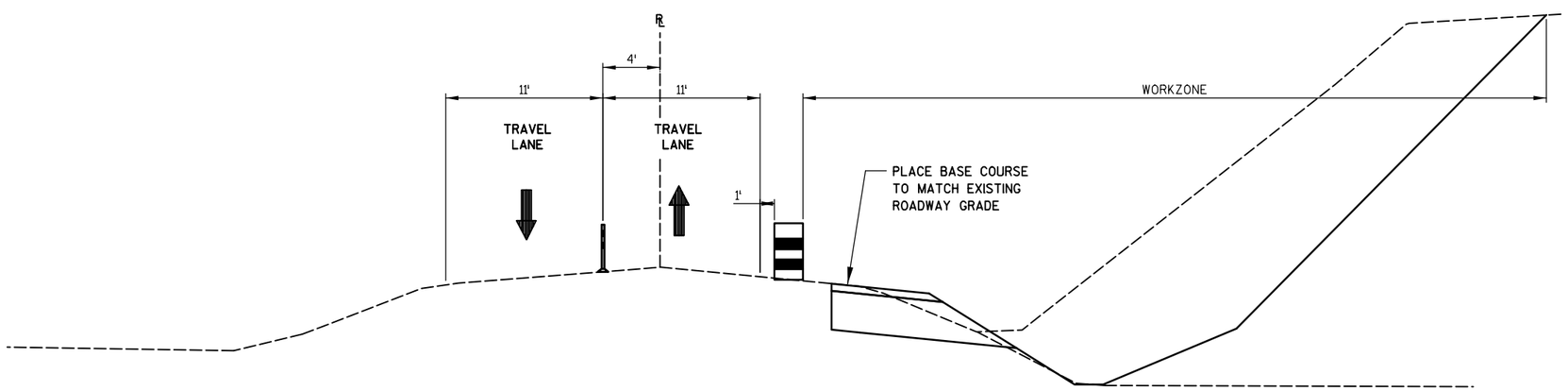
WOODLAND DRIVE

-TWO-WAY TRAFFIC IS SHIFTED 4' LEFT OF THE PROPOSED ALIGNMENT. USE FLAGGING OPERATION AS NEEDED TO RELOCATE TRAFFIC.

CTH M

-TRAFFIC WILL BE FLAGGED AS NEEDED TO CONSTRUCT ISLAND PEDESTRIAN CUT-THROUGH AND WOODLAND INTERSECTION SIDEWALKS AND CURB LOCATED IN THE NORTHEAST QUADRANT

* FLAGGING REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE THE WORK AREAS. REFER TO WISDOT STANDARD DETAIL 15C12.
* DO NOT LEAVE ANY SLOPES STEEPER THAN 3:1 WITHIN THE CLEAR ZONE OR ANY DROP OFFS AT THE EDGE OF THE TRAVELED WAY GREATER THAN 2INCHES.
* PERIODIC CLOSURES OF WOODLAND DRIVE MAY BE ALLOWED BETWEEN 9:00AM AND 2:30PM TO COMPLETE CONSTRUCTION OPERATIONS AT OR NEAR INTERSECTION TIE-IN LOCATIONS AND STORM SEWER CROSSINGS. ALL CLOSURES MUST BE APPROVED AND IN ACCORDANCE WITH THE REQUIREMENTS DETAILED IN THE PROJECT SPECIAL PROVISIONS.
* ANY GRADE DIFFERENCES OR SEPARATIONS BETWEEN THE EXISTING AND PROPOSED DRIVING SURFACES, DUE TO GRADING OPERATIONS, SHALL BE GRADED AND SHAPED TO ACCOMODATE THE SMOOTH TRANSITION OF BETWEEN SEGMENTS ALONG BOTH TRANSVERSE AND LONGITUDINAL JOINTS AT THE END OF EACH WORK DAY, CLOSURE, OR FLAGGING OPERATION.



WOODLAND DRIVE - STAGE 1

NOT TO SCALE

NO.	REVISIONS	DATE:

CONSTRUCTION STAGING TYPICAL SECTIONS
STAGE 1
2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006
PROJECT MGR. RKS

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SHEET 11

STAGE 2

CONSTRUCTION:
-EXCAVATION AND PLACEMENT OF BASE, STORM SEWER, PEDESTRIAN PATH, CTH M CURB AND SIDEWALK ALONG SOUTHBOUND WOODLAND DRIVE AT CTH M.

-PLACE STORM SEWER CROSSINGS AS NEEDED TO MAINTAIN DRAINAGE. USE FLAGGING OPERATION AS NECESSARY.

TRAFFIC:
WOODLAND DRIVE
-TWO-WAY TRAFFIC IS SHIFTED 4' RIGHT OF THE PROPOSED ALIGNMENT; USE FLAGGING AS NEEDED TO RELOCATE TRAFFIC.

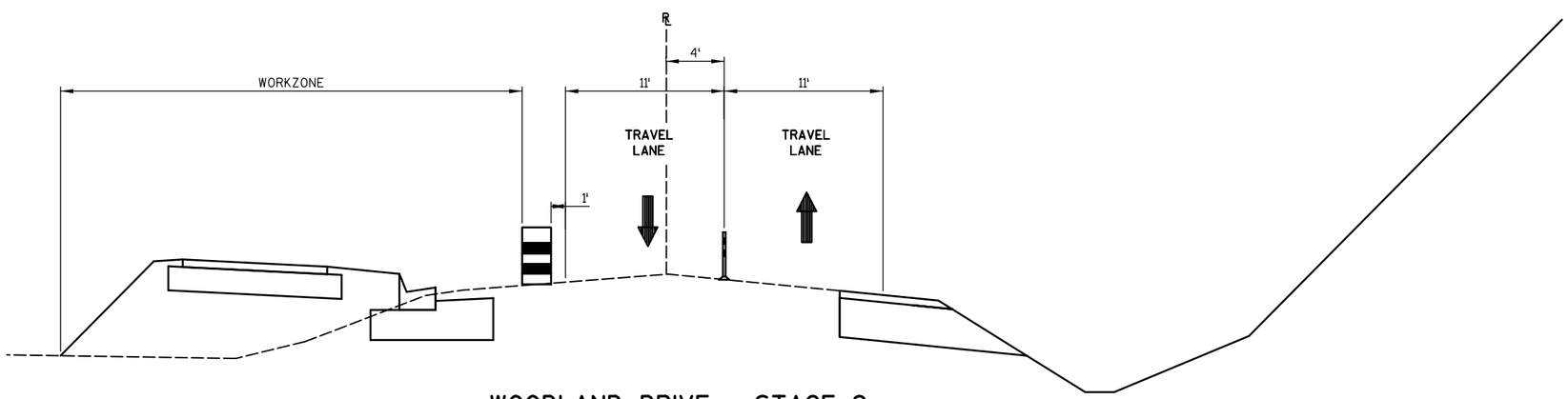
CTH M
-TRAFFIC WILL BE FLAGGED AS NEEDED TO PLACE CURB AND PEDESTRIAN SIDEWALK IN THE NORTHWEST QUADRANT OF WOODLAND AND CTH M INTERSECTION.

* FLAGGING REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE THE WORK AREAS.

* DO NOT LEAVE ANY SLOPES STEEPER THAN 3:1 WITHIN THE CLEAR ZONE OR ANY DROP OFFS AT THE EDGE OF THE TRAVELED WAY GREATER THAN 2INCHES.

* PERIODIC CLOSURES OF WOODLAND DRIVE MAY BE ALLOWED BETWEEN 9:00AM AND 2:30 TO COMPLETE CONSTRUCTION OPERATIONS AT OR NEAR INTERSECTION TIE-IN LOCATIONS AND STORM SEWER CROSSINGS. ALL CLOSURES MUST BE APPROVED AND IN ACCORDANCE WITH THE REQUIREMENTS DETAILED IN THE PROJECT SPECIAL PROVISIONS.

* ANY GRADE DIFFERENCES OR SEPARATIONS BETWEEN THE EXISTING AND PROPOSED DRIVING SURFACES, DUE TO GRADING OPERATIONS, SHALL BE GRADED AND SHAPED TO ACCOMODATE THE SMOOTH TRANSITION OF BETWEEN SEGMENTS ALONG BOTH TRANSVERSE AND LONGITUDINAL JOINTS AT THE END OF EACH WORK DAY, CLOSURE, OR FLAGGING OPERATION.



WOODLAND DRIVE - STAGE 2

NOT TO SCALE

NO.	REVISIONS	DATE:

CONSTRUCTION STAGING TYPICAL SECTIONS
STAGE 2
2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

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STAGE 3A/STAGE 3B

CONSTRUCTION:
3A
-RUBBLEIZE, PLACE BASE, AND PAVE THE SOUTHBOUND PORTION OF WOODLAND DRIVE

3B
-SEE NOTE ABOVE (WORK APPLIES TO NORTHBOUND WOODLAND DRIVE).

TRAFFIC:
3A
-USE IN A FLAGGING OPERATION; FLAG WOODLAND DRIVE TRAFFIC TO COMPLETE RUBBLEIZING, BASE PLACEMENT, AND PAVING OF THE SOUTHBOUND ROADWAY. FLAG ONLY AS A MOVING OPERATION. DO NOT FLAG THE ENTIRE SECTION, TO ALLOW FOR STORAGE OF TRAFFIC OFF OF CTH M. ONCE OPERATION NEARS CTH M, MULTIPLE FLAGGERS MAY BE NEEDED TO HANDLE SIGNALIZED TRAFFIC.

3B
-SEE NOTE ABOVE (TRAFFIC OPERATIONS APPLY TO NORTHBOUND WOODLAND DRIVE).

* FLAGGING REQUIRED WHERE CONSTRUCTION VEHICLES ENTER OR LEAVE THE WORK AREAS.

* DO NOT LEAVE ANY SLOPES STEEPER THAN 3:1 WITHIN THE CLEAR ZONE OR ANY DROP OFFS AT THE EDGE OF THE TRAVELED WAY GREATER THAN 2INCHES.

* PERIODIC CLOSURES OF WOODLAND DRIVE MAY BE ALLOWED BETWEEN 9:00AM AND 2:30PM TO COMPLETE CONSTRUCTION OPERATIONS AT OR NEAR INTERSECTION TIE-IN LOCATIONS AND STORM SEWER CROSSINGS. ALL CLOSURES MUST BE APPROVED AND IN ACCORDANCE WITH THE REQUIREMENTS DETAILED IN THE PROJECT SPECIAL PROVISIONS.

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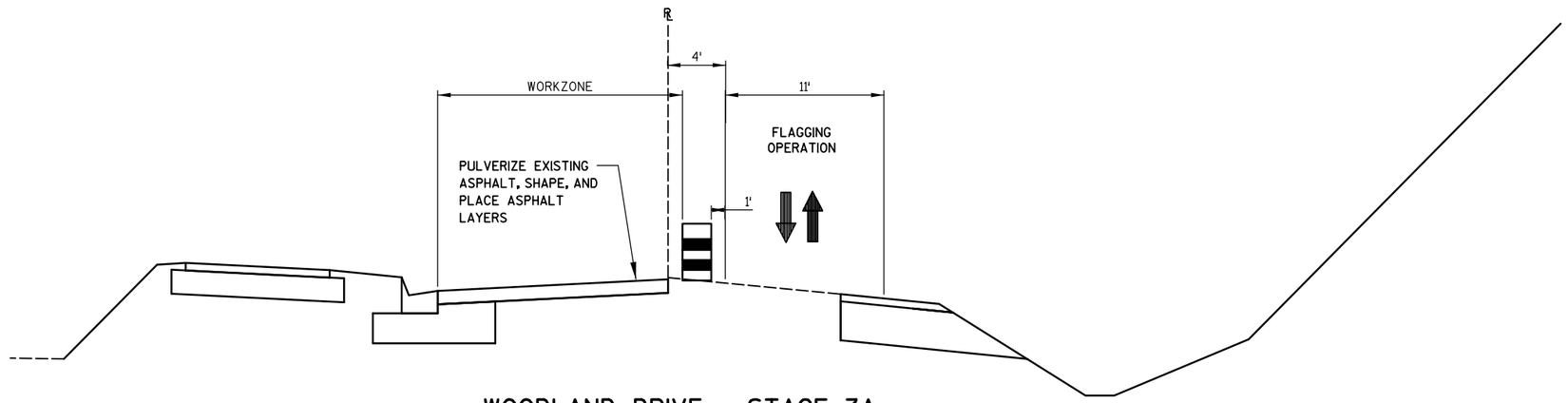
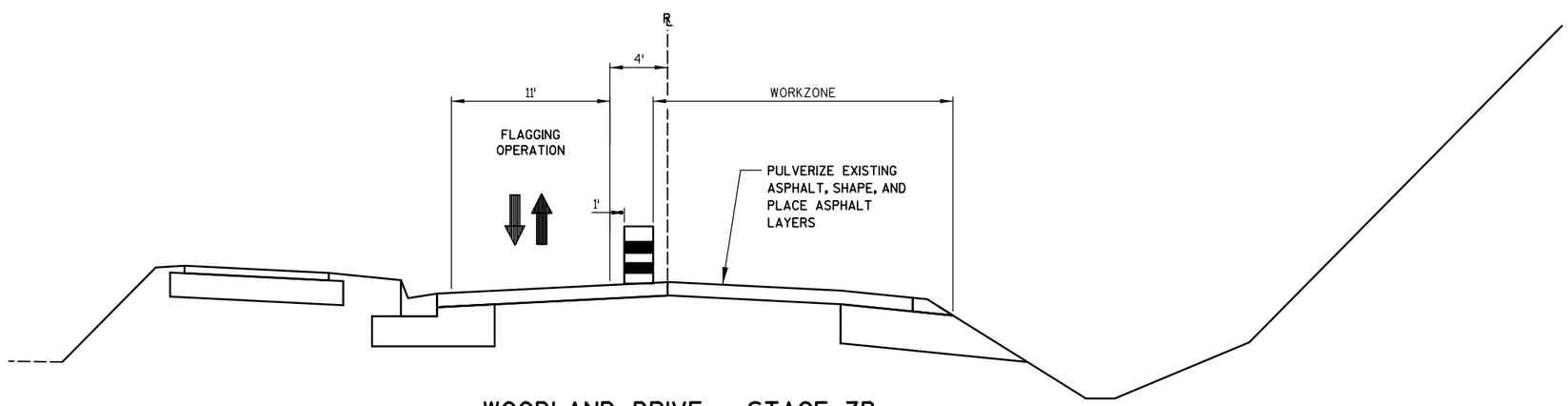


WOODLAND DRIVE - STAGE 3A

NOT TO SCALE



WOODLAND DRIVE - STAGE 3B

NOT TO SCALE

NO.	REVISIONS	DATE:

CONSTRUCTION STAGING TYPICAL SECTIONS
STAGES 3A AND 3B
2016 WOODLAND DRIVE IMPROVEMENTS

TOWN OF WESPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

PROJECT MGR.
RKS

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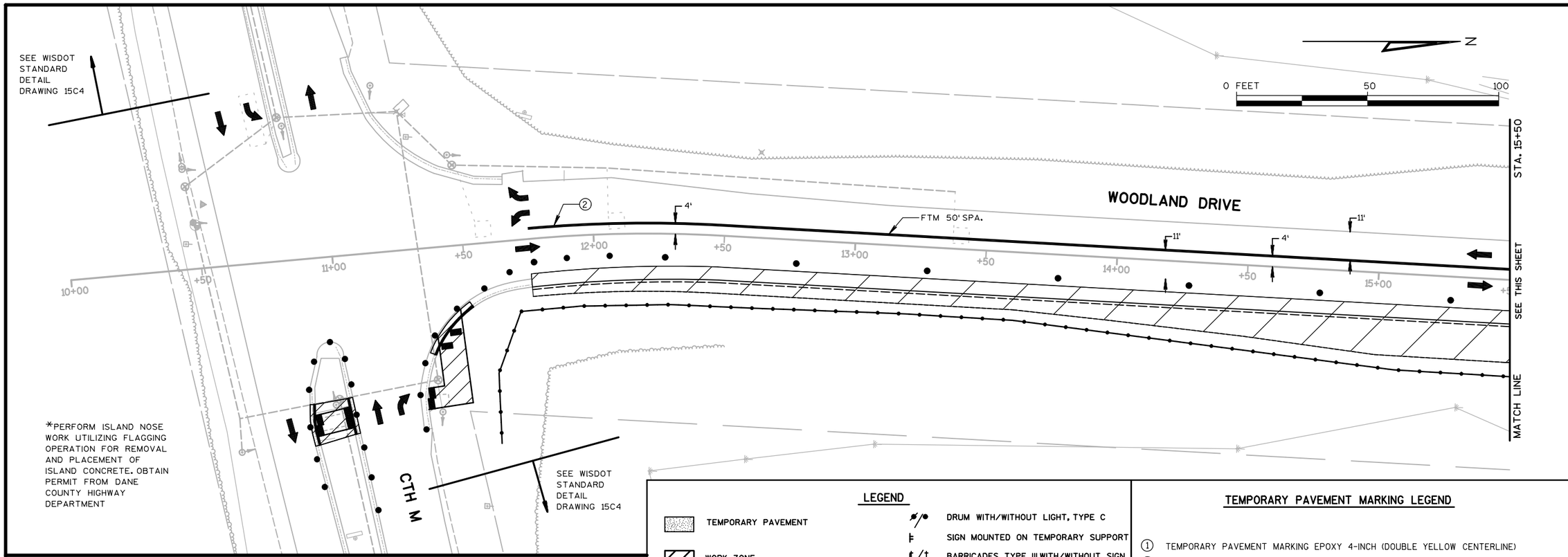
SHEET
13

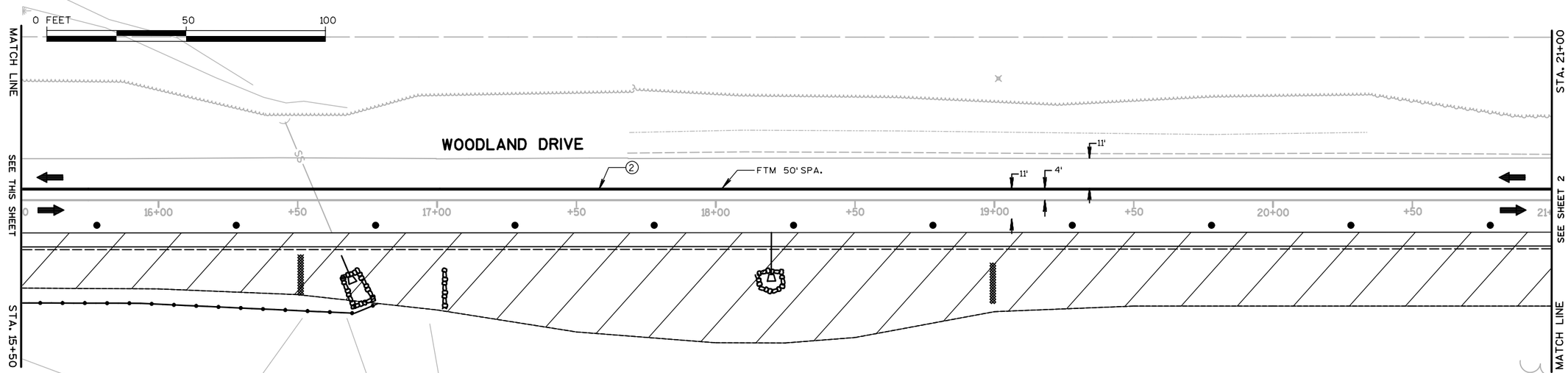


LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- SAWING ASPHALT
- XXXXX SAWING CONCRETE

TEMPORARY PAVEMENT MARKING LEGEND

1. TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW CENTERLINE)
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL

STAGE 1
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

PROJECT MGR.
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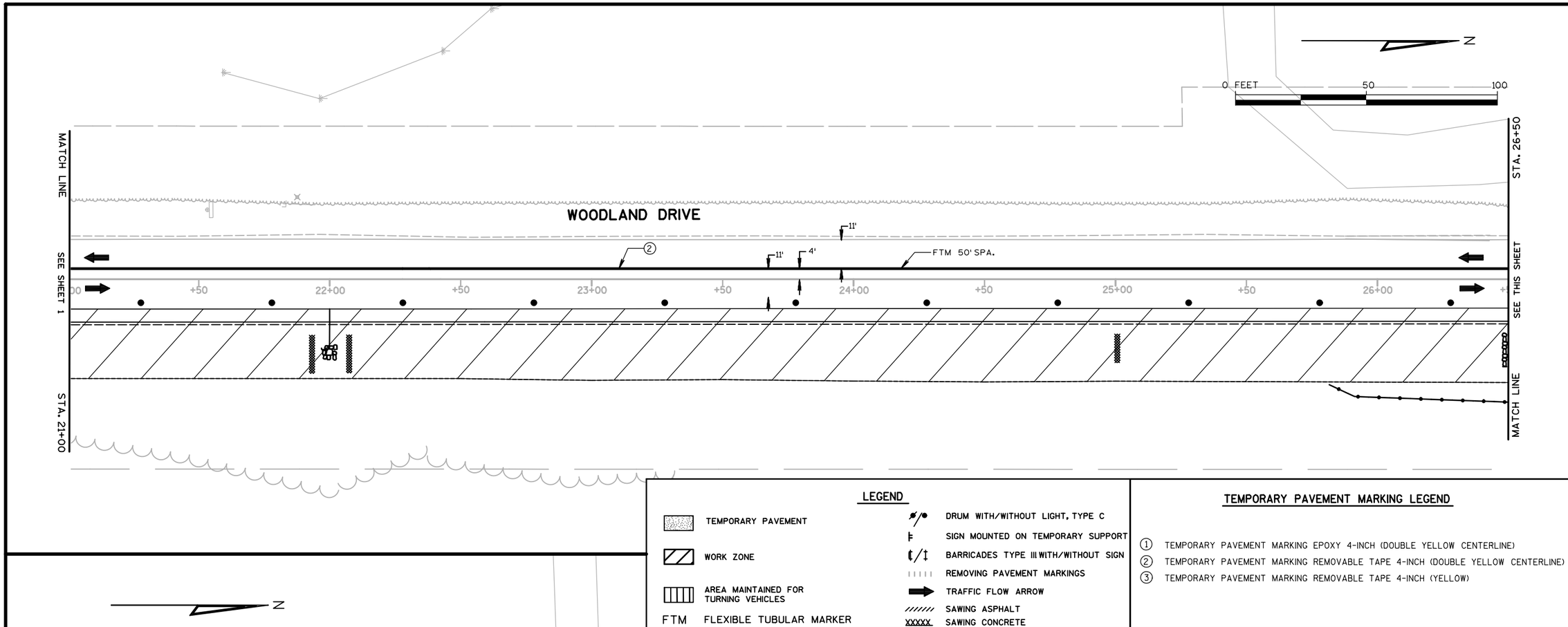
SHEET
14



LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- SAWING ASPHALT
- XXXXX SAWING CONCRETE

TEMPORARY PAVEMENT MARKING LEGEND

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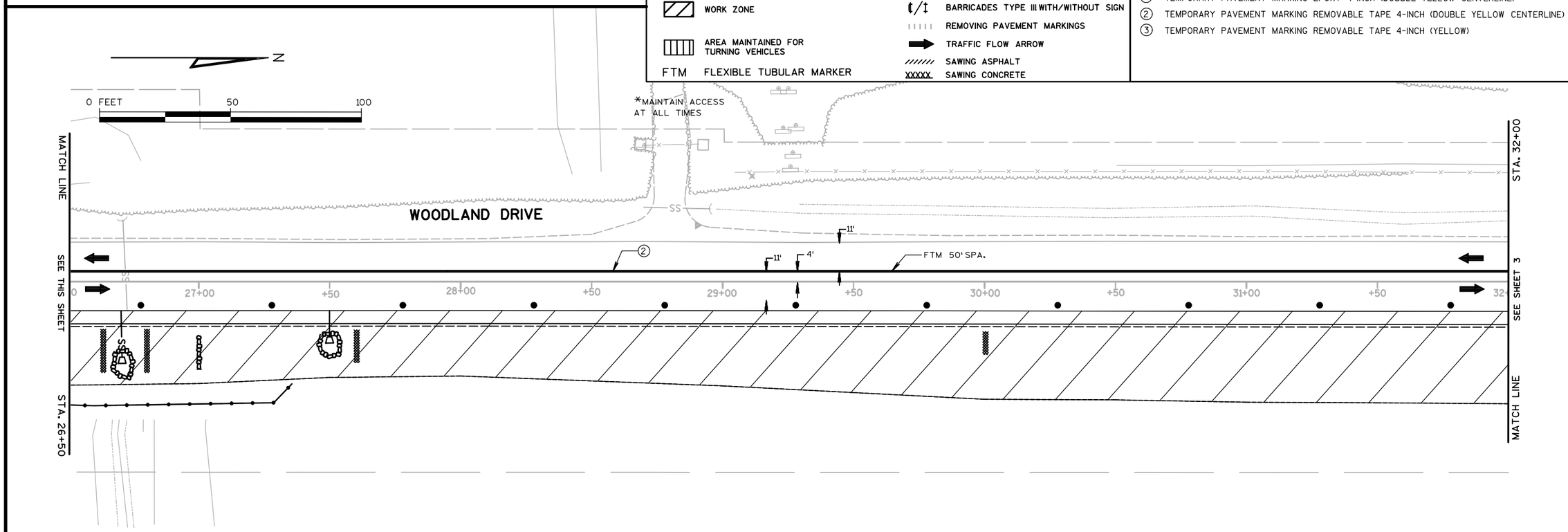
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW CENTERLINE)
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL
STAGE 1
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

PROJECT MGR.
RKS

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SHEET
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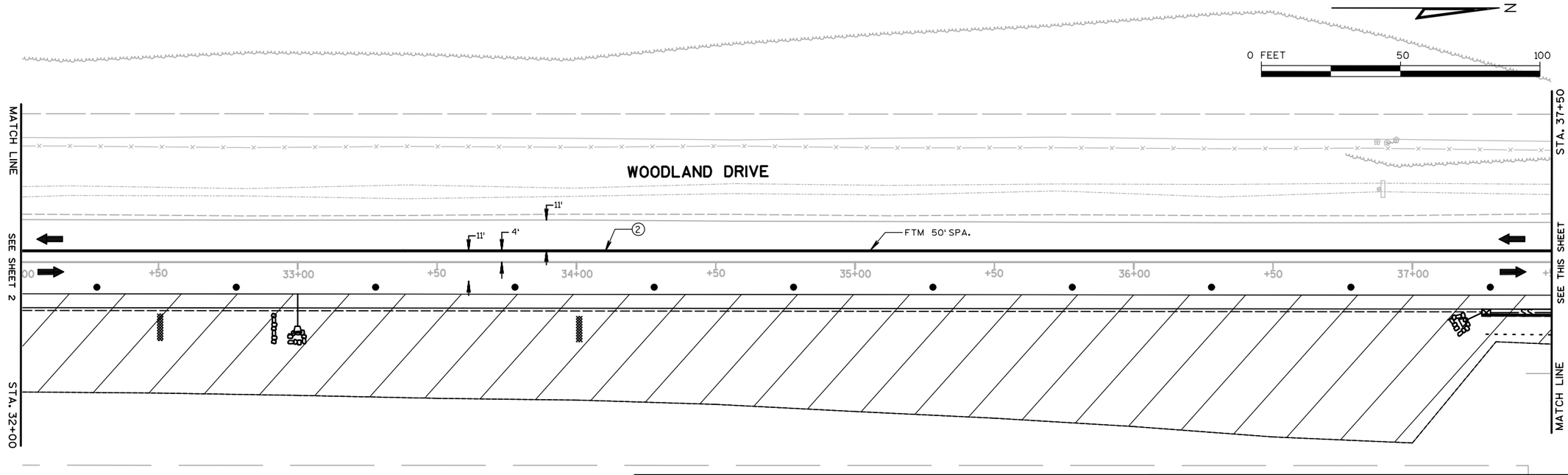

LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
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- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- SAWING ASPHALT
- XXXXX SAWING CONCRETE

TEMPORARY PAVEMENT MARKING LEGEND

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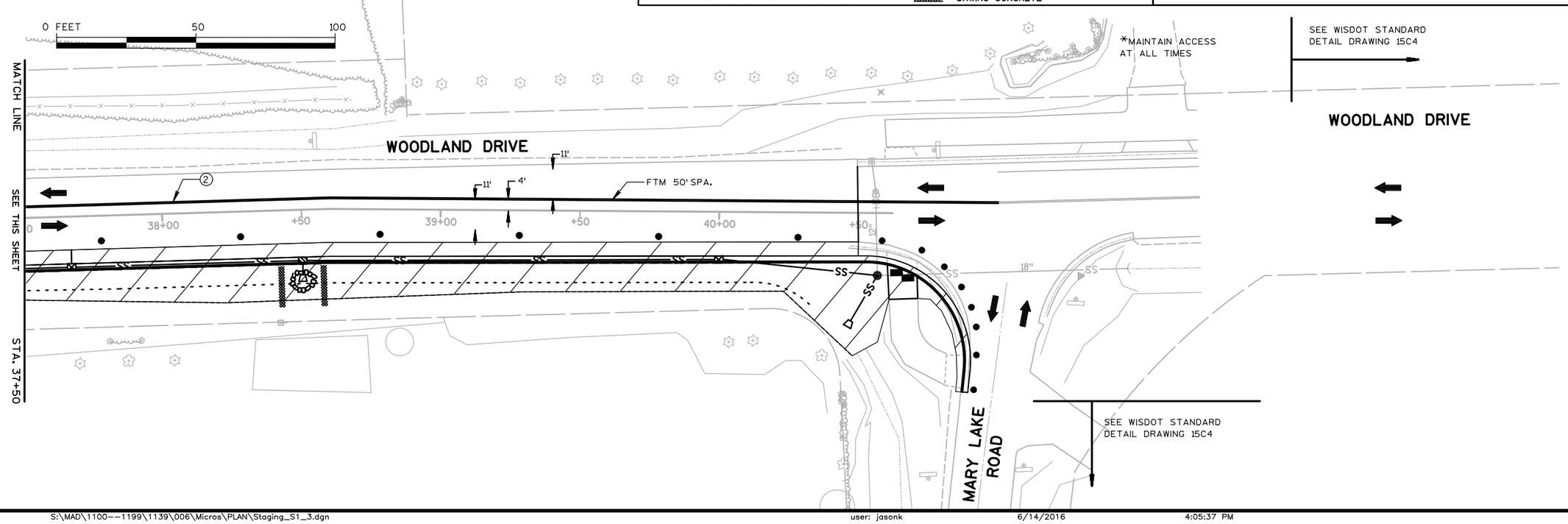
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



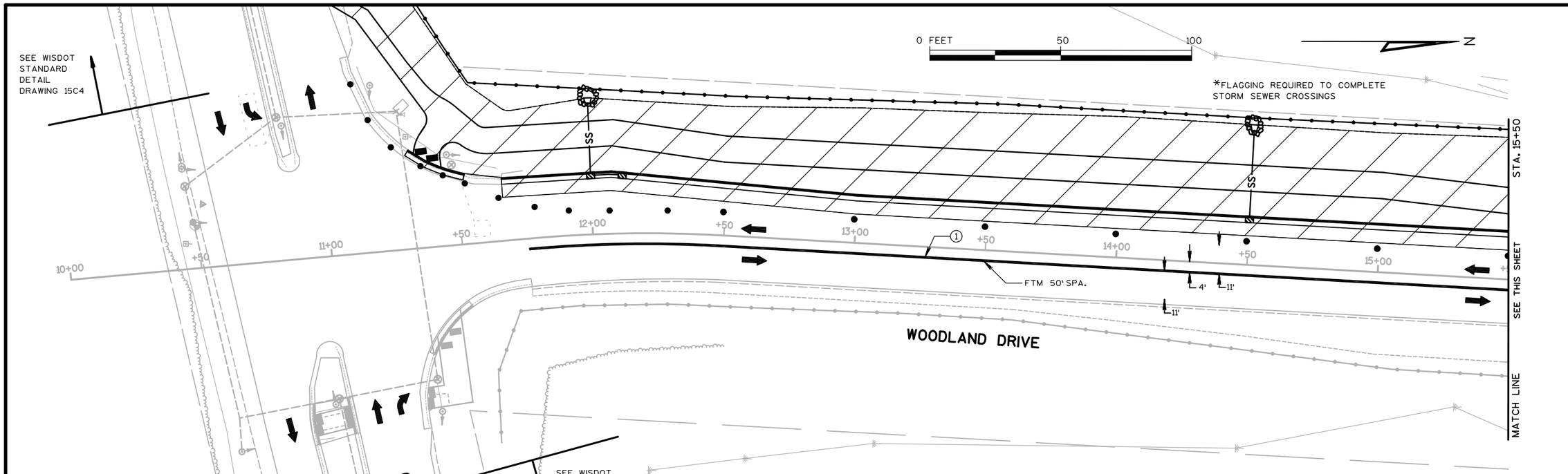
NO.	REVISIONS	DATE:

TRAFFIC CONTROL
STAGE 1
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006
PROJECT MGR. RKS

STRAND ASSOCIATES®

SHEET 16



LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- SAWING ASPHALT
- SAWING CONCRETE

TEMPORARY PAVEMENT MARKING LEGEND

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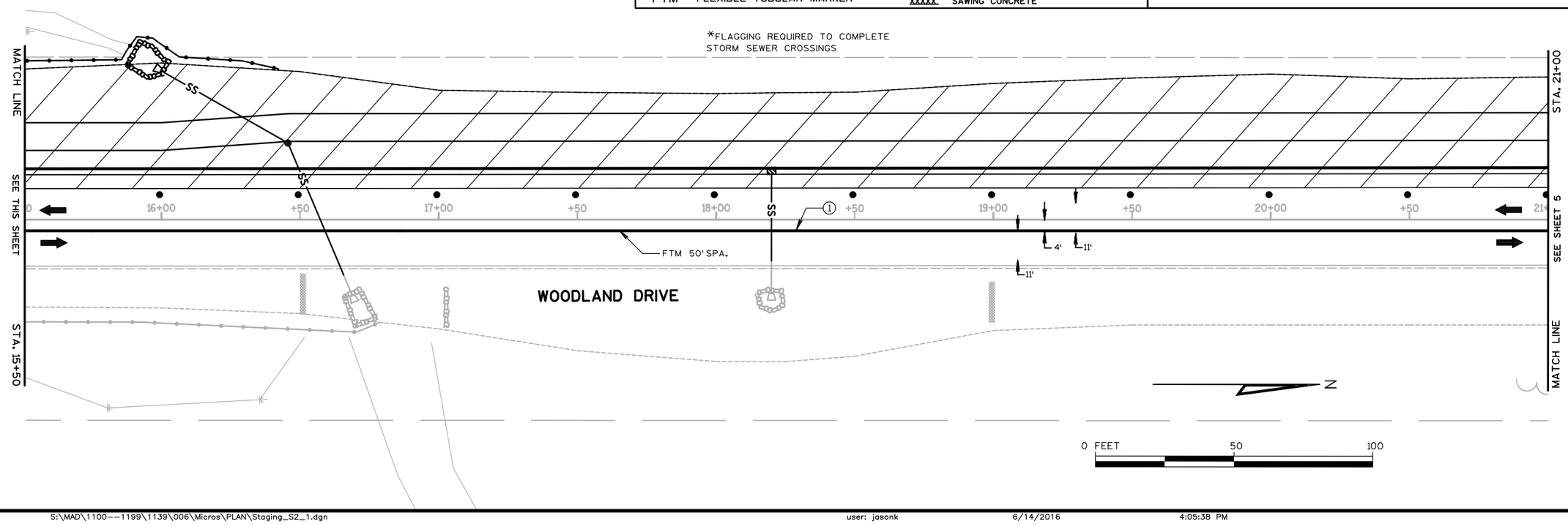
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL

STAGE 2
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006

PROJECT MGR. RKS

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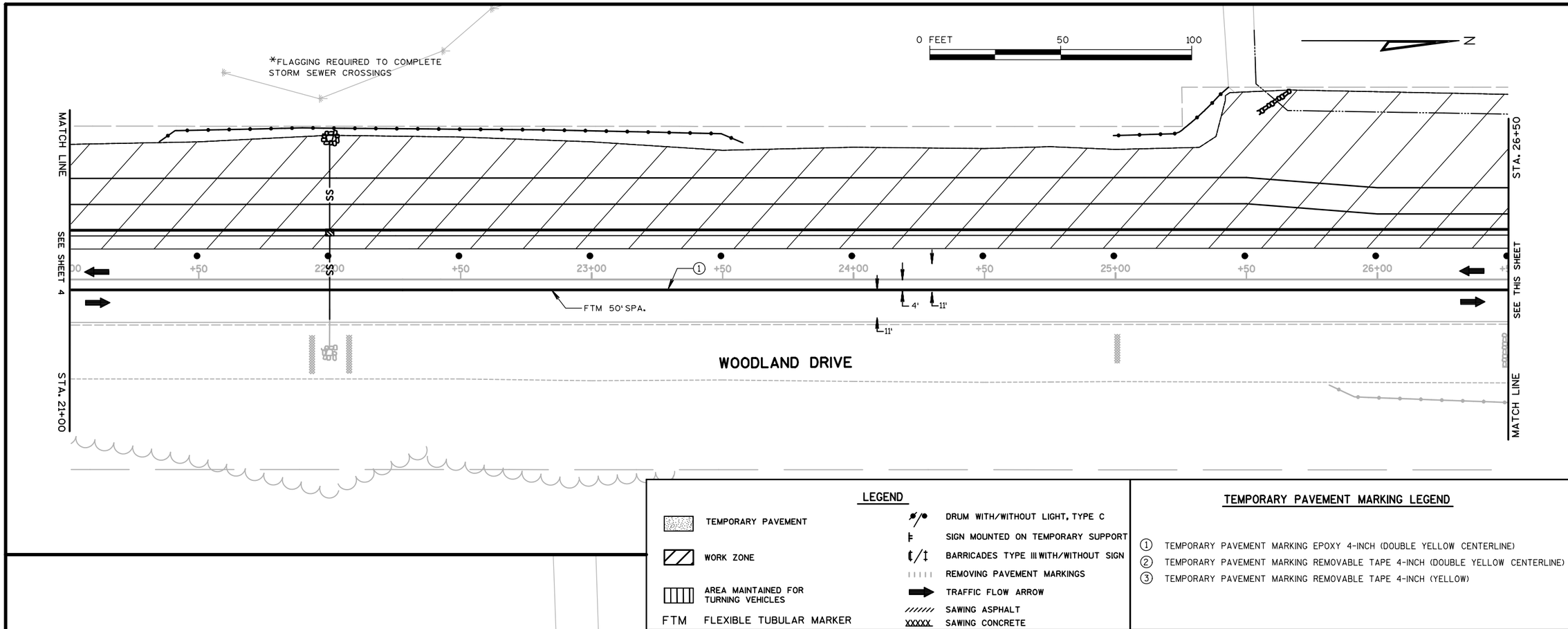
SHEET 17



LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
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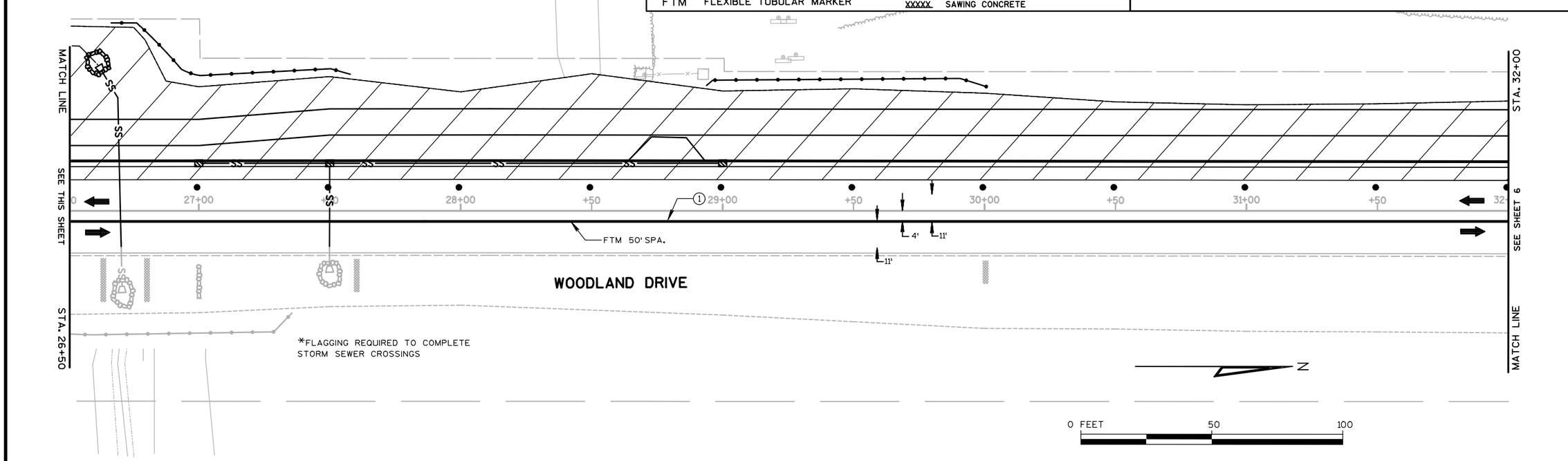
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



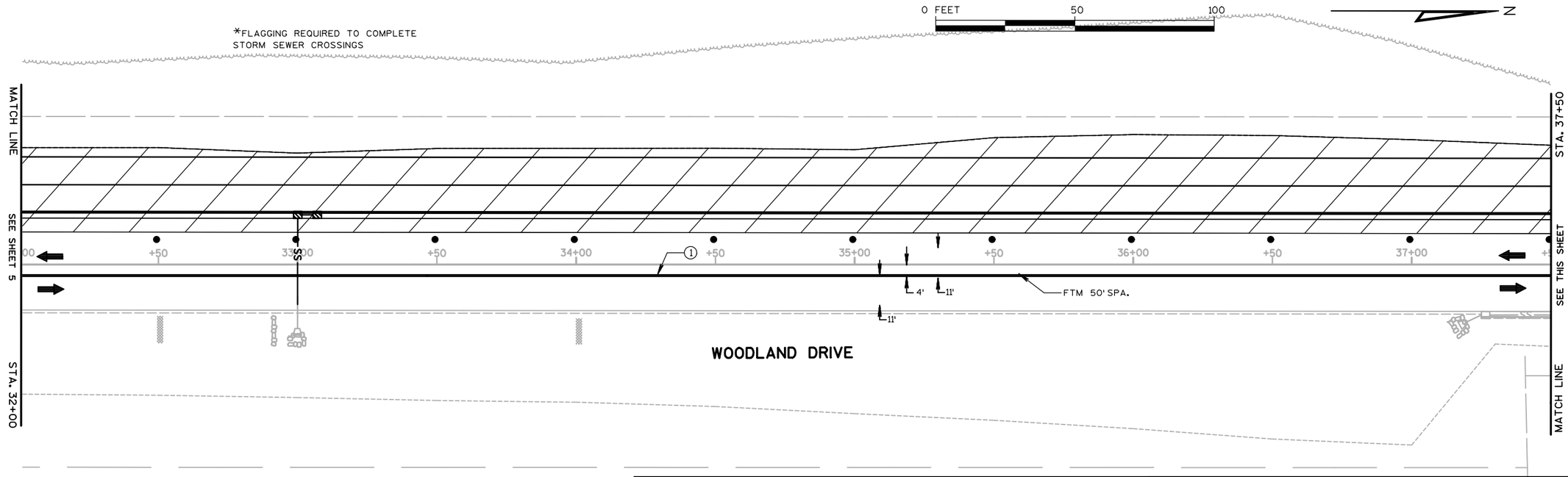
NO.	REVISIONS	DATE:

TRAFFIC CONTROL
STAGE 2
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006
PROJECT MGR. RKS

STRAND ASSOCIATES®

SHEET 18



LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
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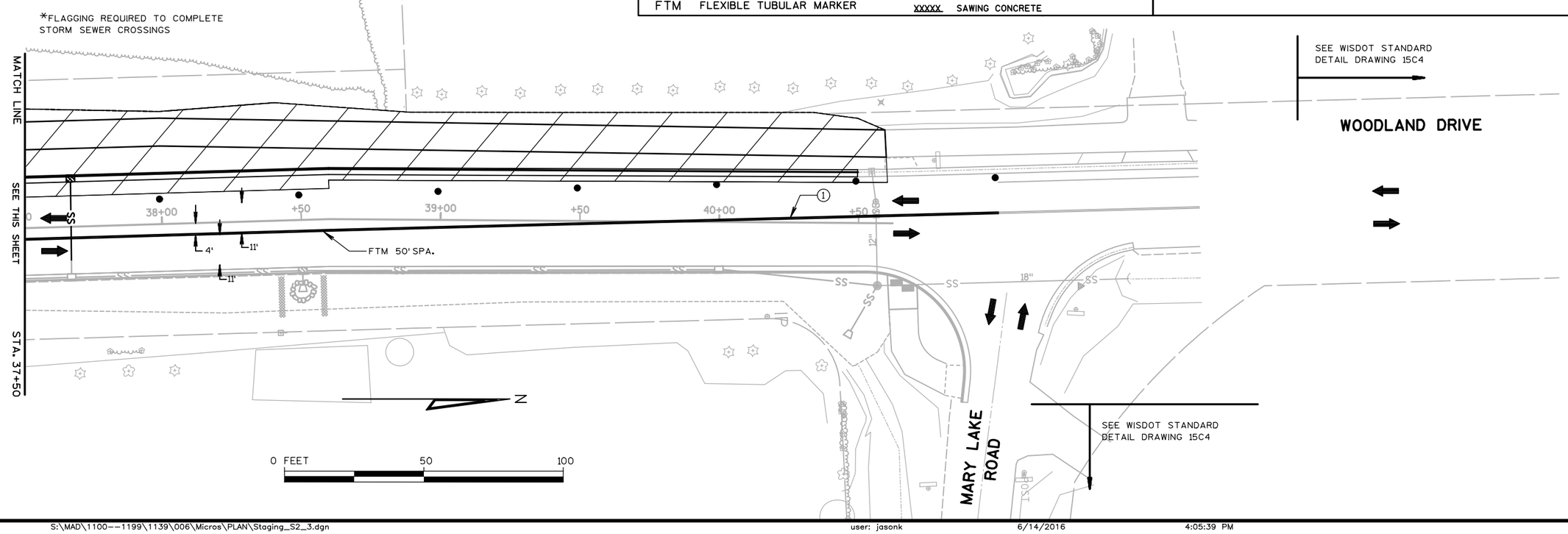
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL
STAGE 2
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

PROJECT MGR.
RKS

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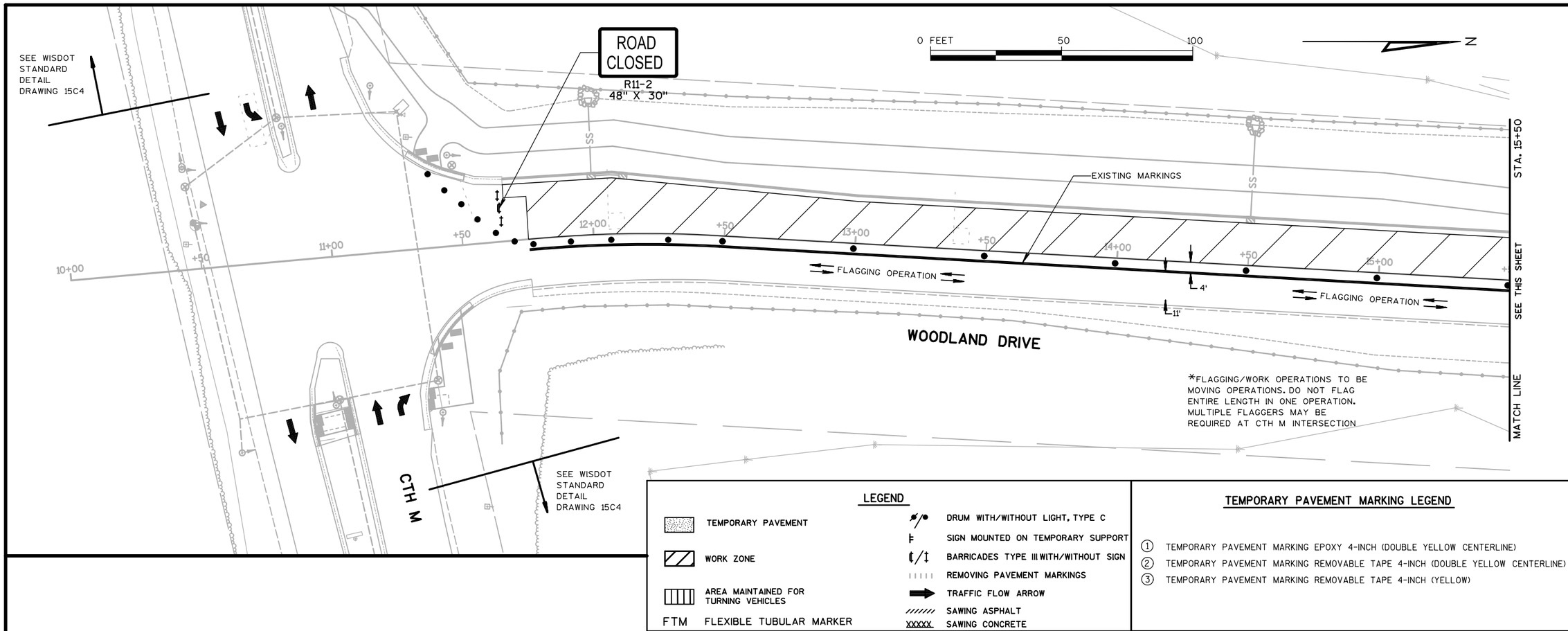
SHEET
19



LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
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- SAWING ASPHALT
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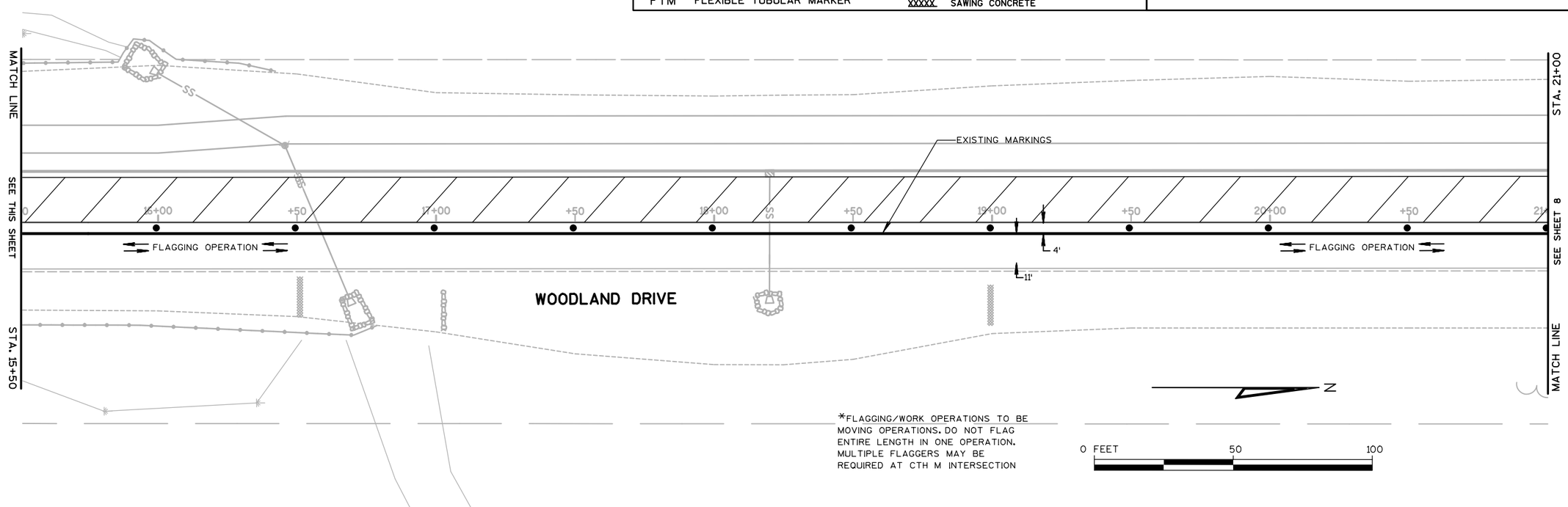
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW CENTERLINE)
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL

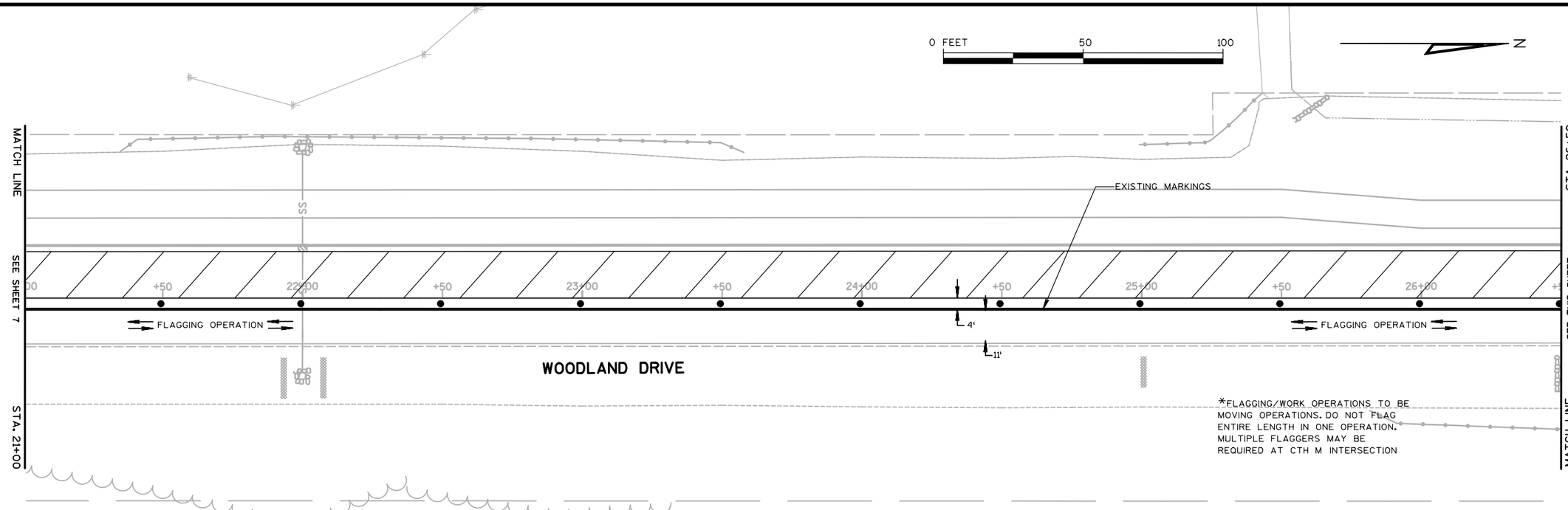
STAGE 3A
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

PROJECT MGR.
RKS

STRAND ASSOCIATES®

SHEET
20



LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- SAWING ASPHALT
- XXXXX SAWING CONCRETE

TEMPORARY PAVEMENT MARKING LEGEND

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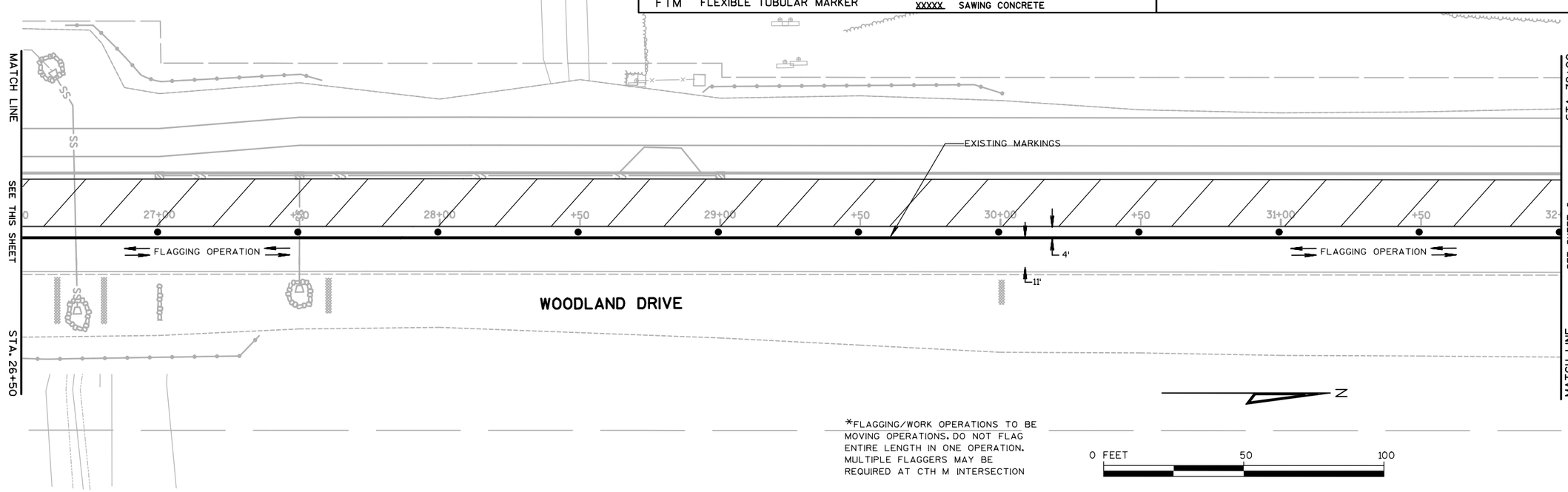
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW CENTERLINE)
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL

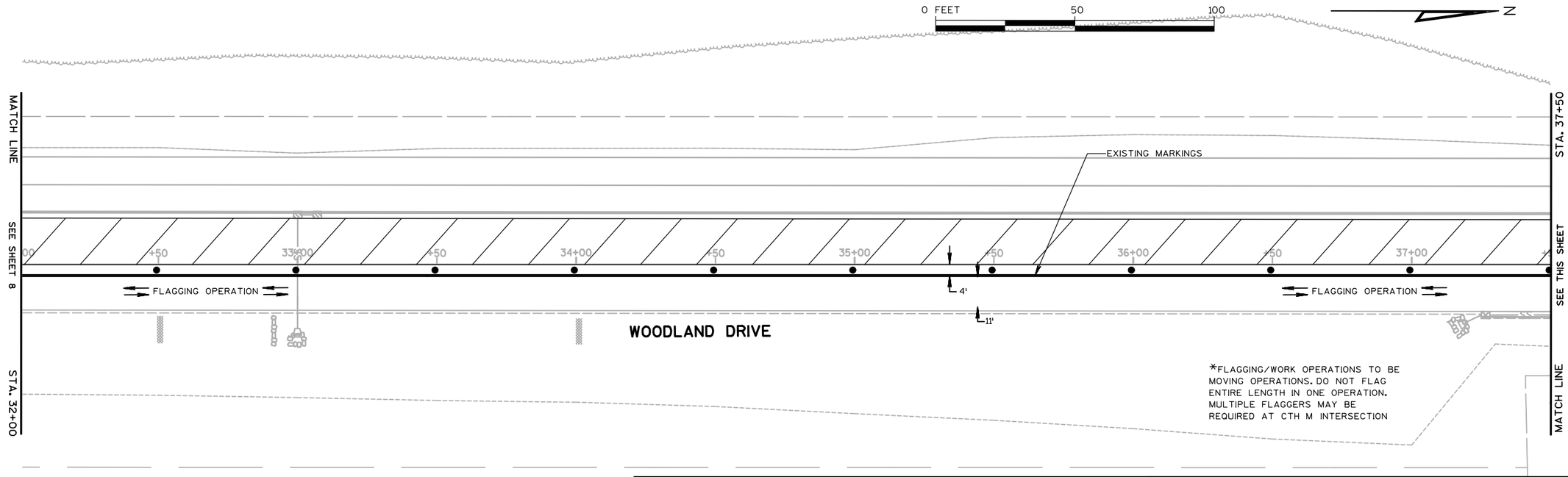
STAGE 3A
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006

PROJECT MGR. RKS

STRAND ASSOCIATES®

SHEET 21

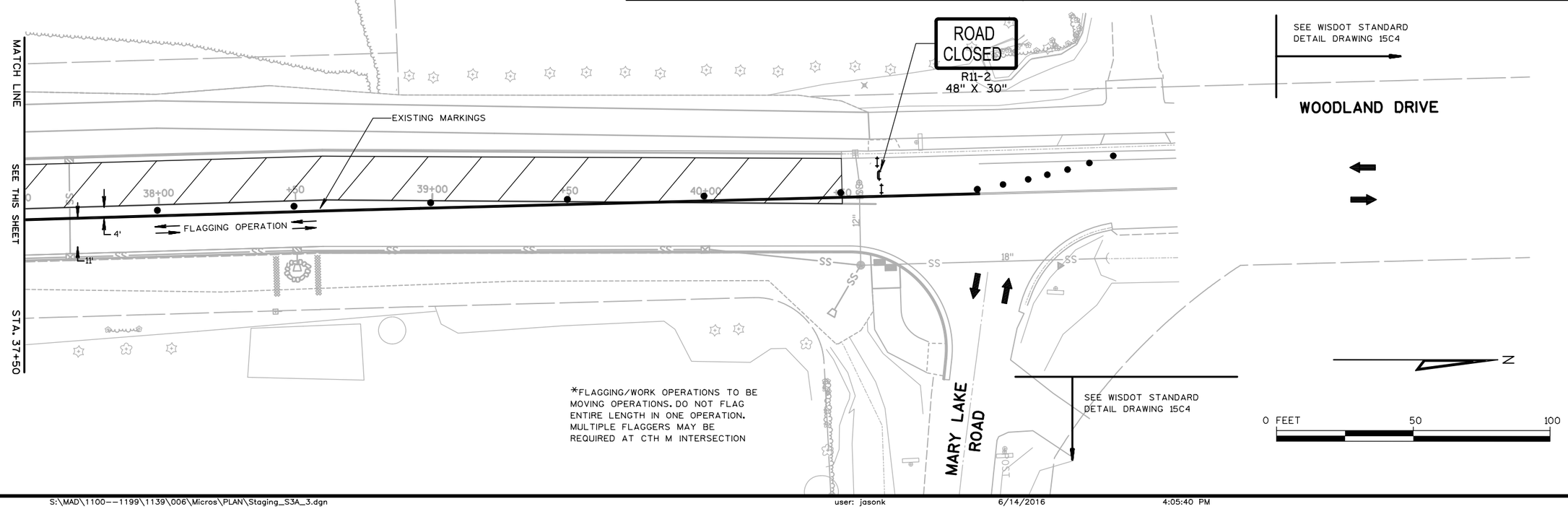


LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- SAWING ASPHALT
- XXXXX SAWING CONCRETE

TEMPORARY PAVEMENT MARKING LEGEND

1. TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW CENTERLINE)
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL

STAGE 3A
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

PROJECT MGR.
RKS

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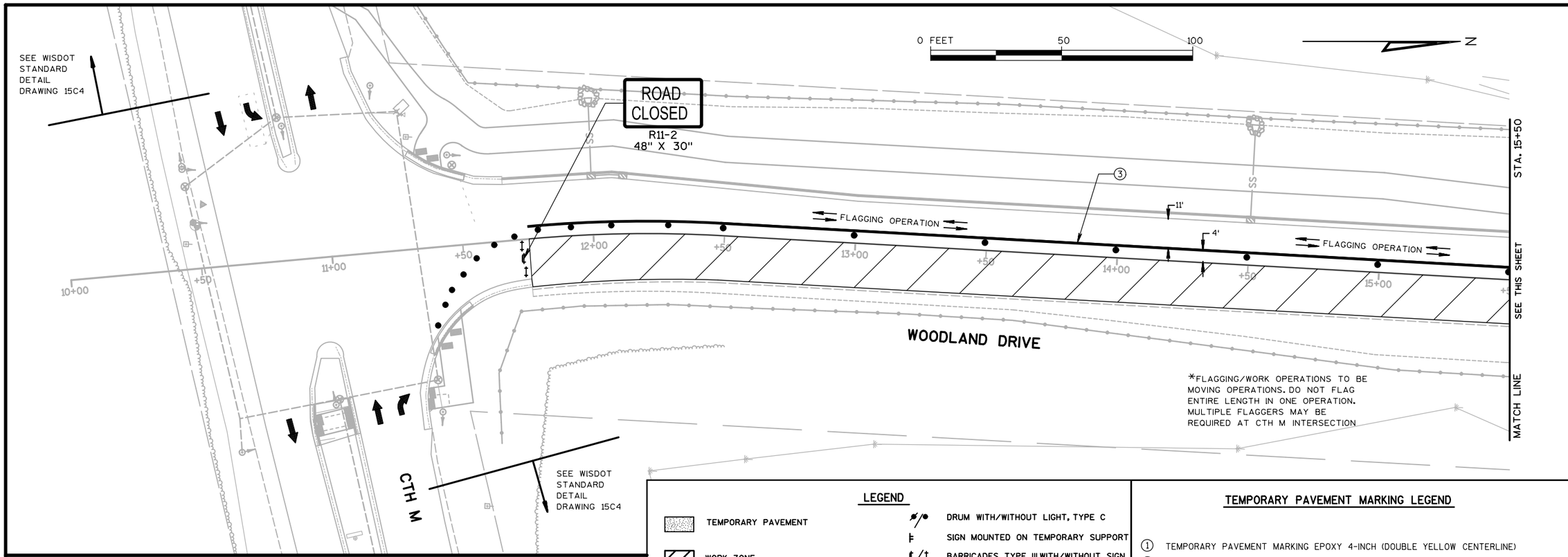
SHEET
22

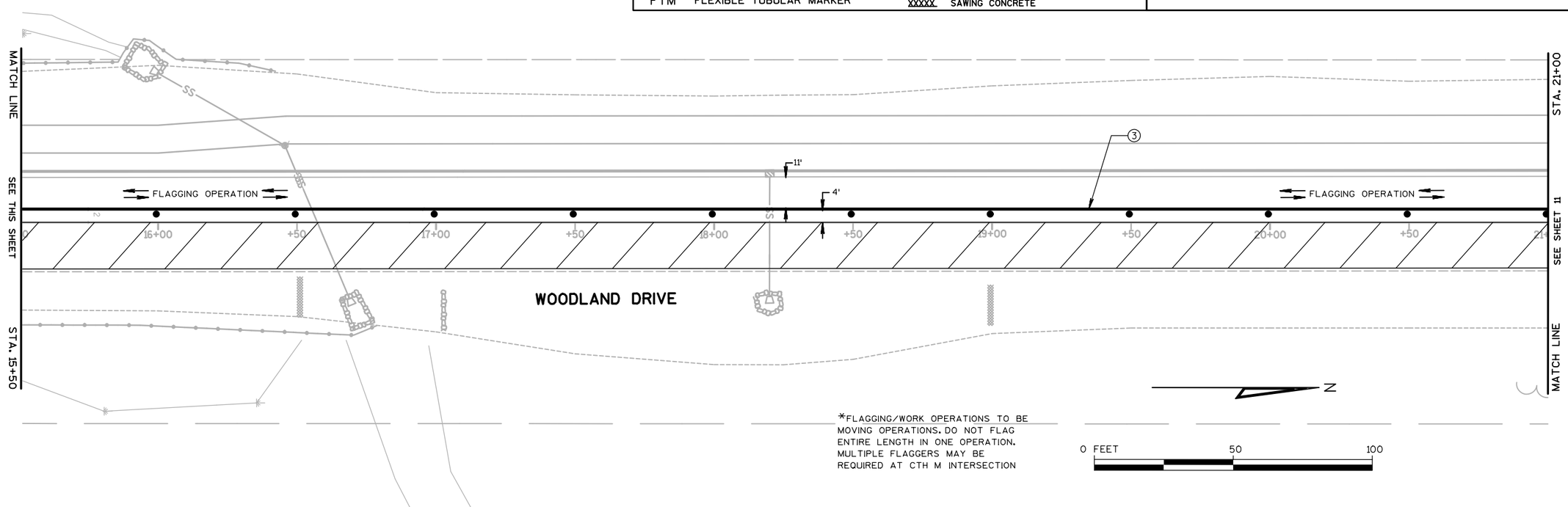


LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- SAWING ASPHALT
- SAWING CONCRETE

TEMPORARY PAVEMENT MARKING LEGEND

1. TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW CENTERLINE)
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL

STAGE 3B
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

PROJECT MGR.
RKS

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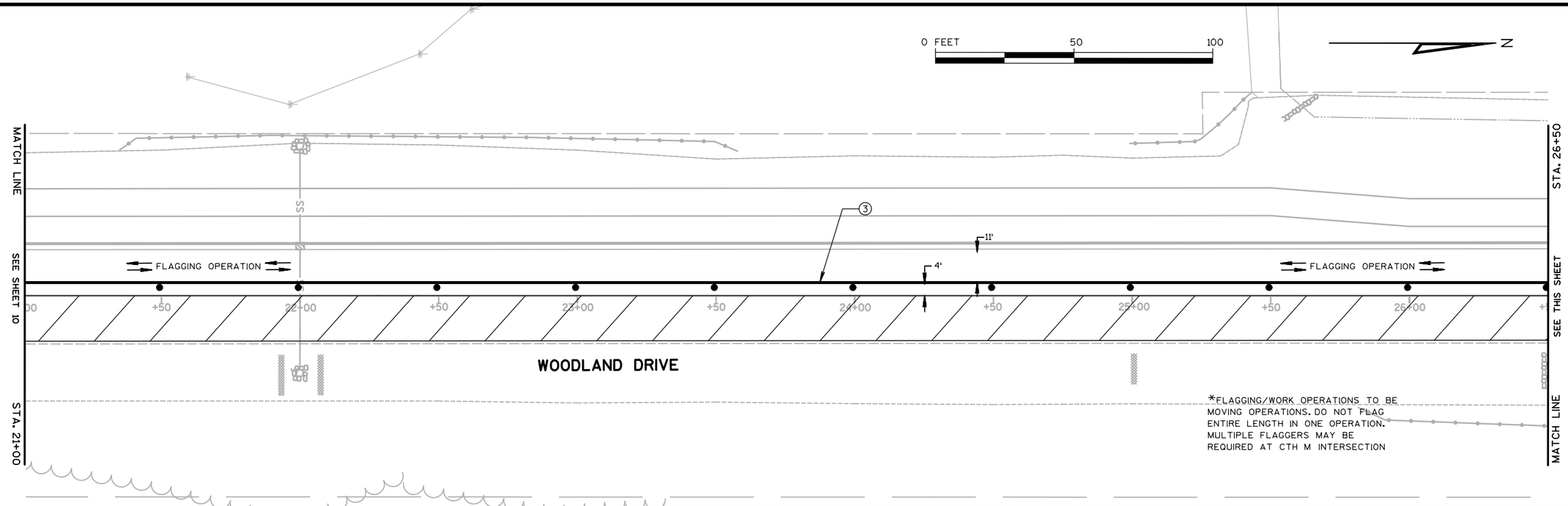
SHEET
23

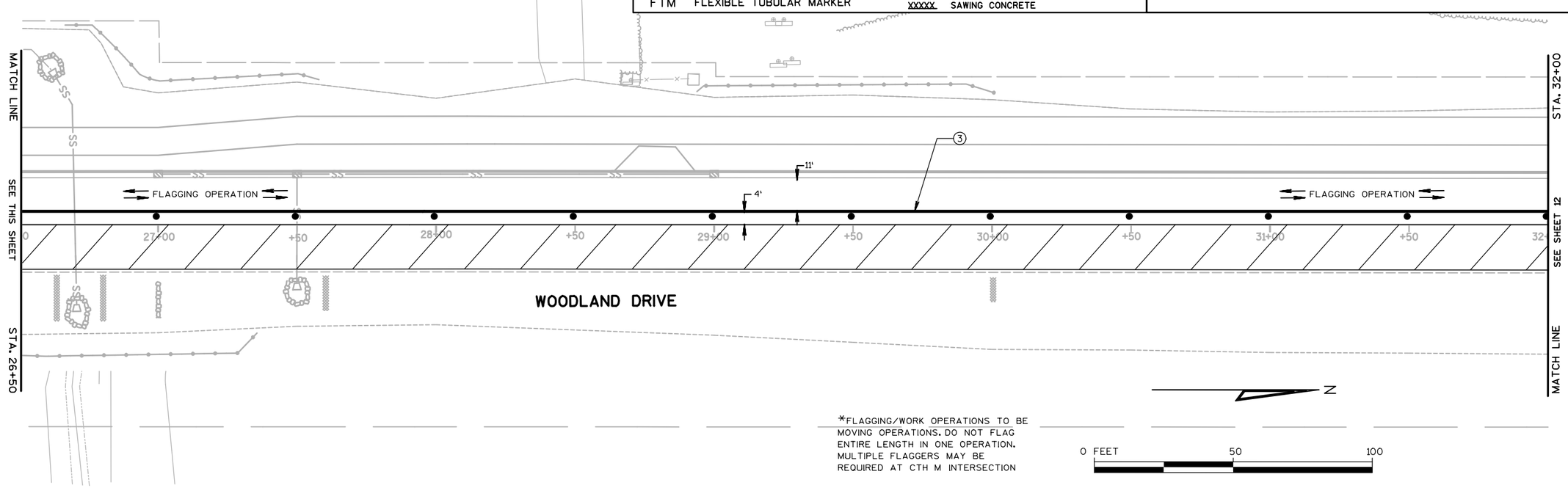


LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- SAWING ASPHALT
- XXXXX SAWING CONCRETE

TEMPORARY PAVEMENT MARKING LEGEND

1. TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW CENTERLINE)
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL

STAGE 3B
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

PROJECT MGR.
RKS

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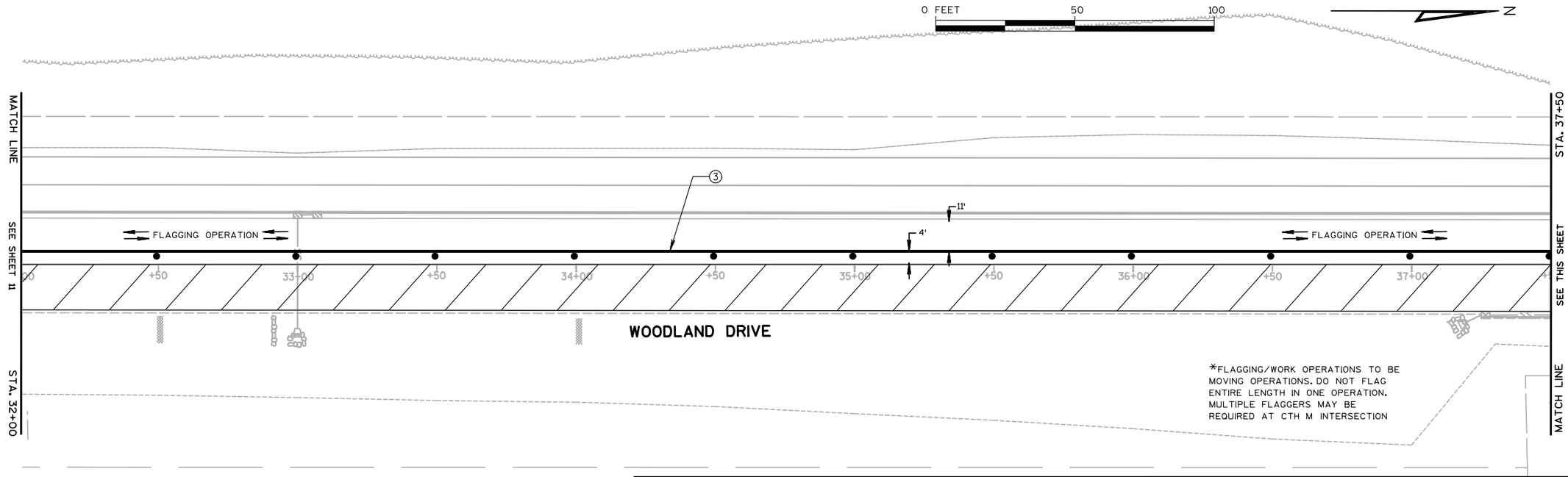
SHEET
24

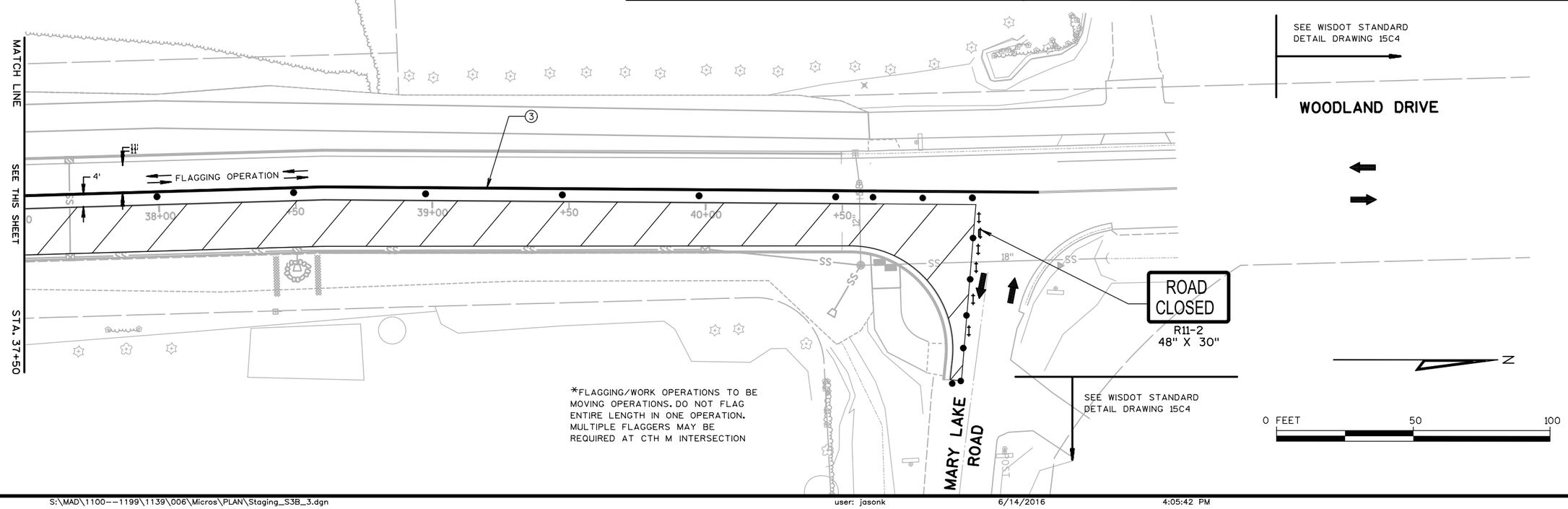


LEGEND

- TEMPORARY PAVEMENT
- WORK ZONE
- AREA MAINTAINED FOR TURNING VEHICLES
- FTM FLEXIBLE TUBULAR MARKER
- DRUM WITH/WITHOUT LIGHT, TYPE C
- SIGN MOUNTED ON TEMPORARY SUPPORT
- BARRICADES TYPE III WITH/WITHOUT SIGN
- REMOVING PAVEMENT MARKINGS
- TRAFFIC FLOW ARROW
- SAWING ASPHALT
- XXXXX SAWING CONCRETE

TEMPORARY PAVEMENT MARKING LEGEND

1. TEMPORARY PAVEMENT MARKING EPOXY 4-INCH (DOUBLE YELLOW CENTERLINE)
2. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (DOUBLE YELLOW CENTERLINE)
3. TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH (YELLOW)



NO.	REVISIONS	DATE:

TRAFFIC CONTROL
STAGE 3B
WOODLAND DRIVE
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006
PROJECT MGR. RKS

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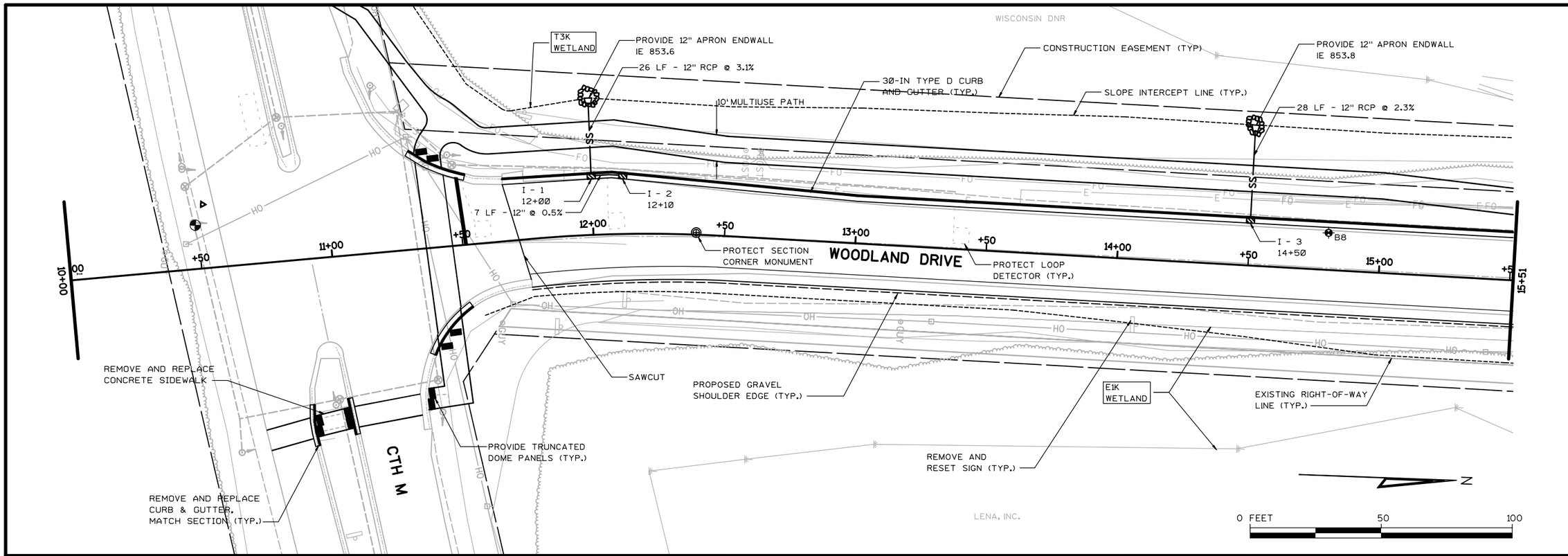

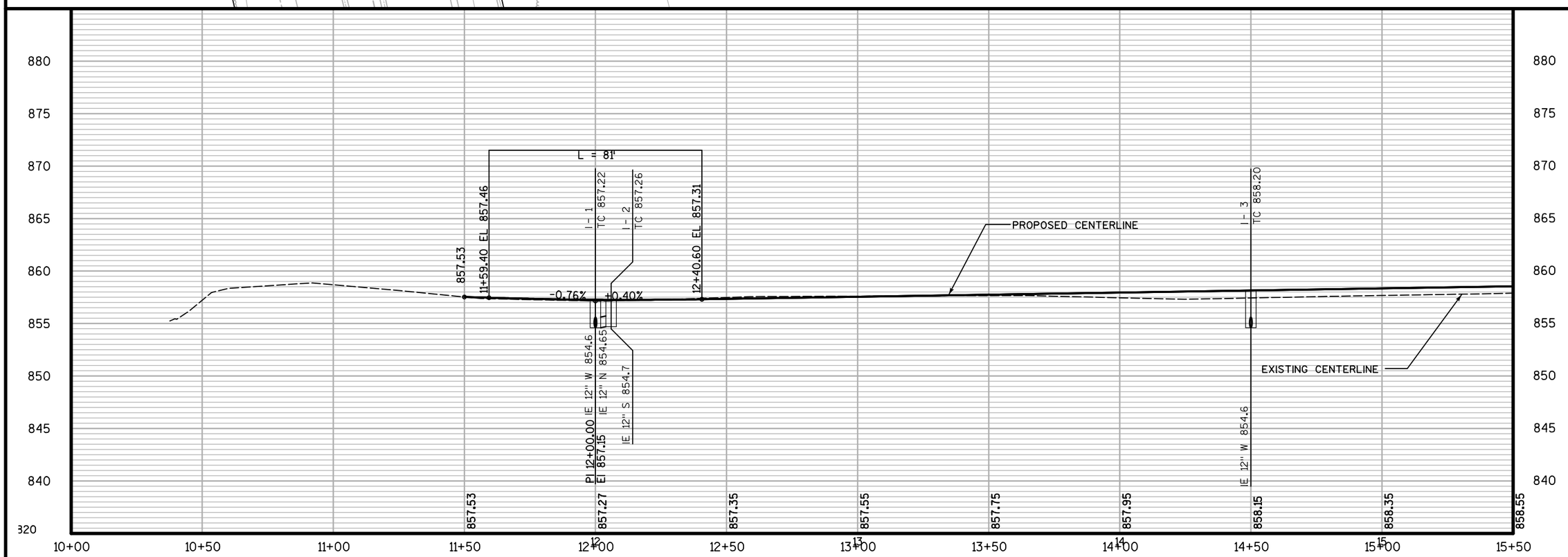

NO.	REVISIONS	DATE:

WOODLAND DRIVE
PLAN AND PROFILE

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

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SHEET 26

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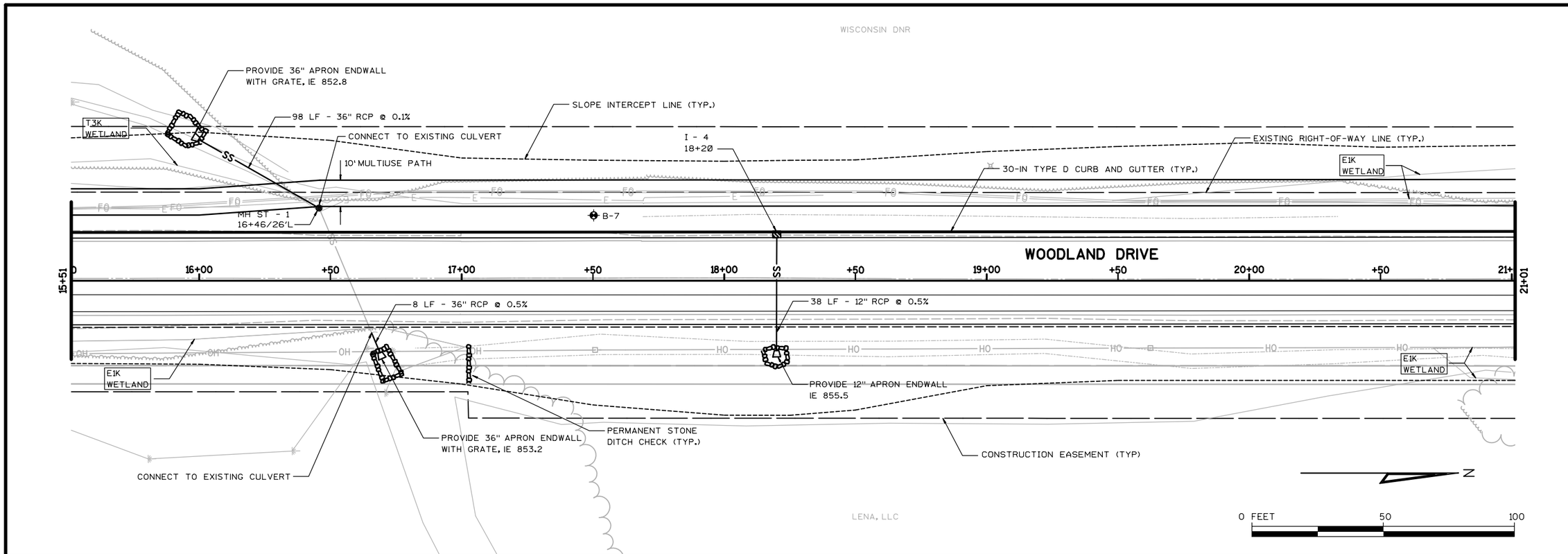

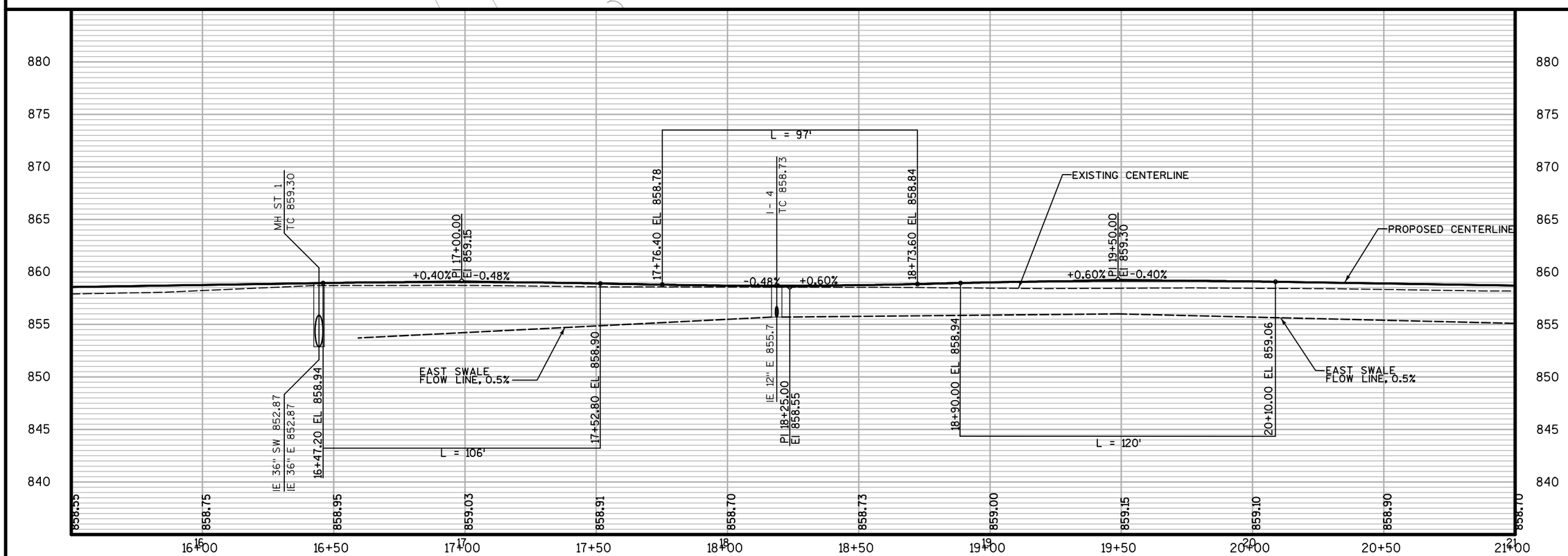

DATE:	REVISIONS	NO.

WOODLANE DRIVE
PLAN AND PROFILE

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

PROJECT MGR.
RKS

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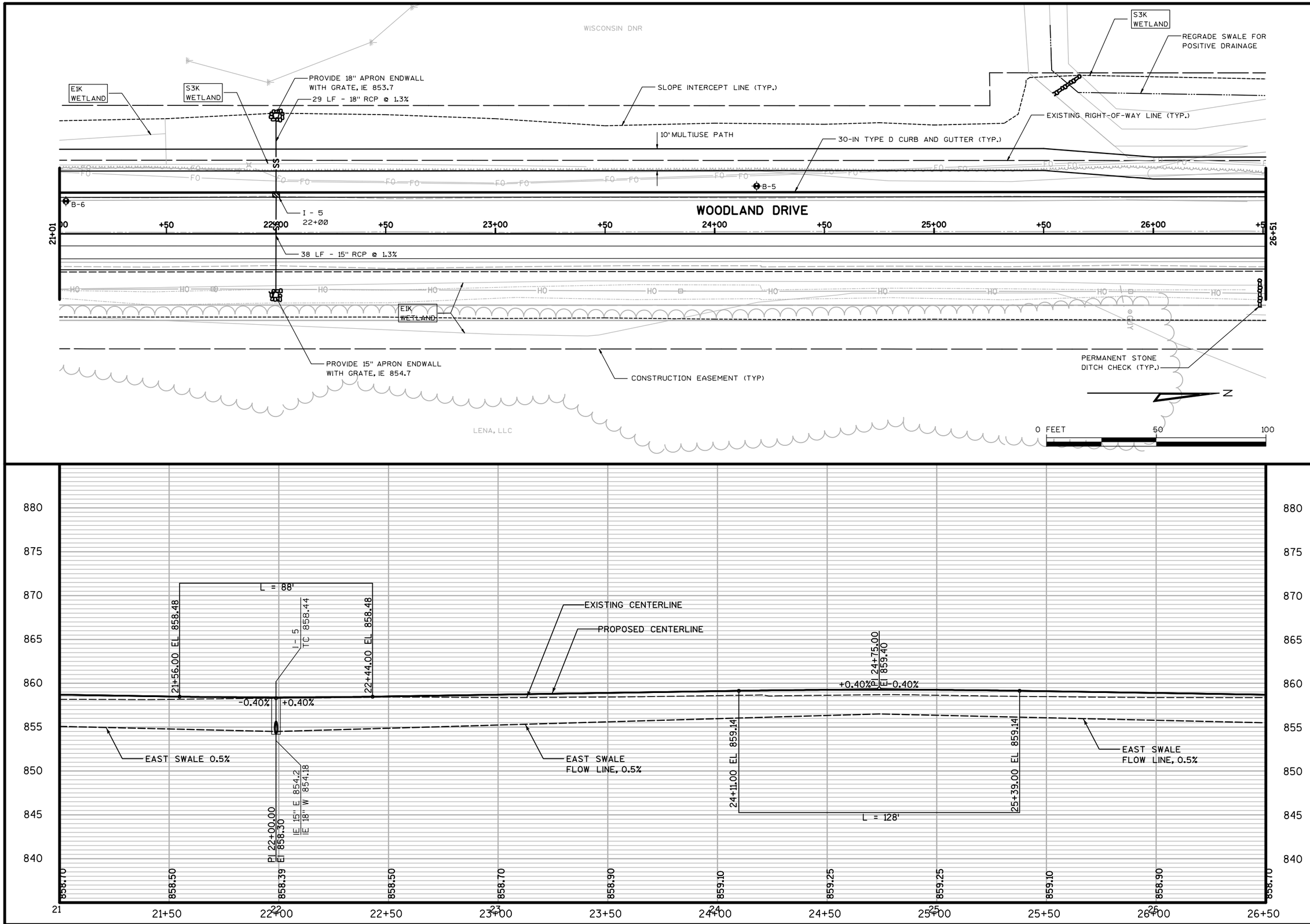
27



DATE:	REVISIONS	NO.

WOODLAND DRIVE
PLAN AND PROFILE

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
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RKS

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$FILE$ $USER$ $DATE$ $TIME$

T3K WETLAND

PROVIDE 36" APRON ENDWALL WITH GRATE IE 852.55

T3K WETLAND

E1K WETLAND

REMOVE CULVERT

WISCONSIN DNR

SLOPE INTERCEPT LINE (TYP.)

SALVAGE AND REINSTALL FENCE

EXISTING RIGHT-OF-WAY LINE (TYP.)

PROVIDE 36" RCP BEND

REMOVE CULVERT

10' MULTIUSE PATH

30-IN TYPE D CURB AND GUTTER (TYP.)

ASPH

B-3

B-4

I- 6
27+00

I- 7
27+50

I- 8
29+00

80 LF - 36" RCP @ 0.5%

WOODLAND DRIVE

26+51 27+00 +50 28+00 +50 29+00 +50 30+00 +50 31+00 +50 32+ 32+01

PERMANENT STONE DITCH CHECK (TYP.)

38 LF - 15" RCP @ 0.5%

E1K WETLAND

PROVIDE 15" APRON ENDWALL IE 855.47

PROVIDE 36" APRON ENDWALL WITH GRATE IE 853.01

CONSTRUCTION EASEMENT (TYP.)

LENA, LLC

N

0 FEET 50 100

880 875 870 865 860 855 850 845 840

L = 88'

26+56.00 EL 858.68

I- 6 TC 858.64

27+44.00 EL 858.68

I- 7 TC 858.76

I- 8 TC 859.36

-0.40% +0.40%

50 LF 12-IN RCP @ 0.5%

150 LF 12-IN RCP @ 0.5%

+0.40% +0.65%

IE 12" N 855.94

IE 12" S 855.72
IE 15" E 855.70
IE 12" N 855.72

IE 12" S 856.45

PI 27+00.00
EI 858.50

PI 29+00.00
EI 859.30

EXISTING CENTERLINE

PROPOSED CENTERLINE

EAST SWALE FLOW LINE, 0.5%

858.10 858.59 858.70 858.90 859.10 859.31 859.62 859.95 860.27 860.60 860.92 861.25

27 27+00 27+50 28 28+00 28+50 29 29+00 29+50 30 30+00 30+50 31 31+00 31+50 32 32+00

$FILE$ $USER$ $DATE$ $TIME$

NO.	REVISIONS	DATE:

WOODLAND DRIVE PLAN AND PROFILE

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006

PROJECT MGR. RKS

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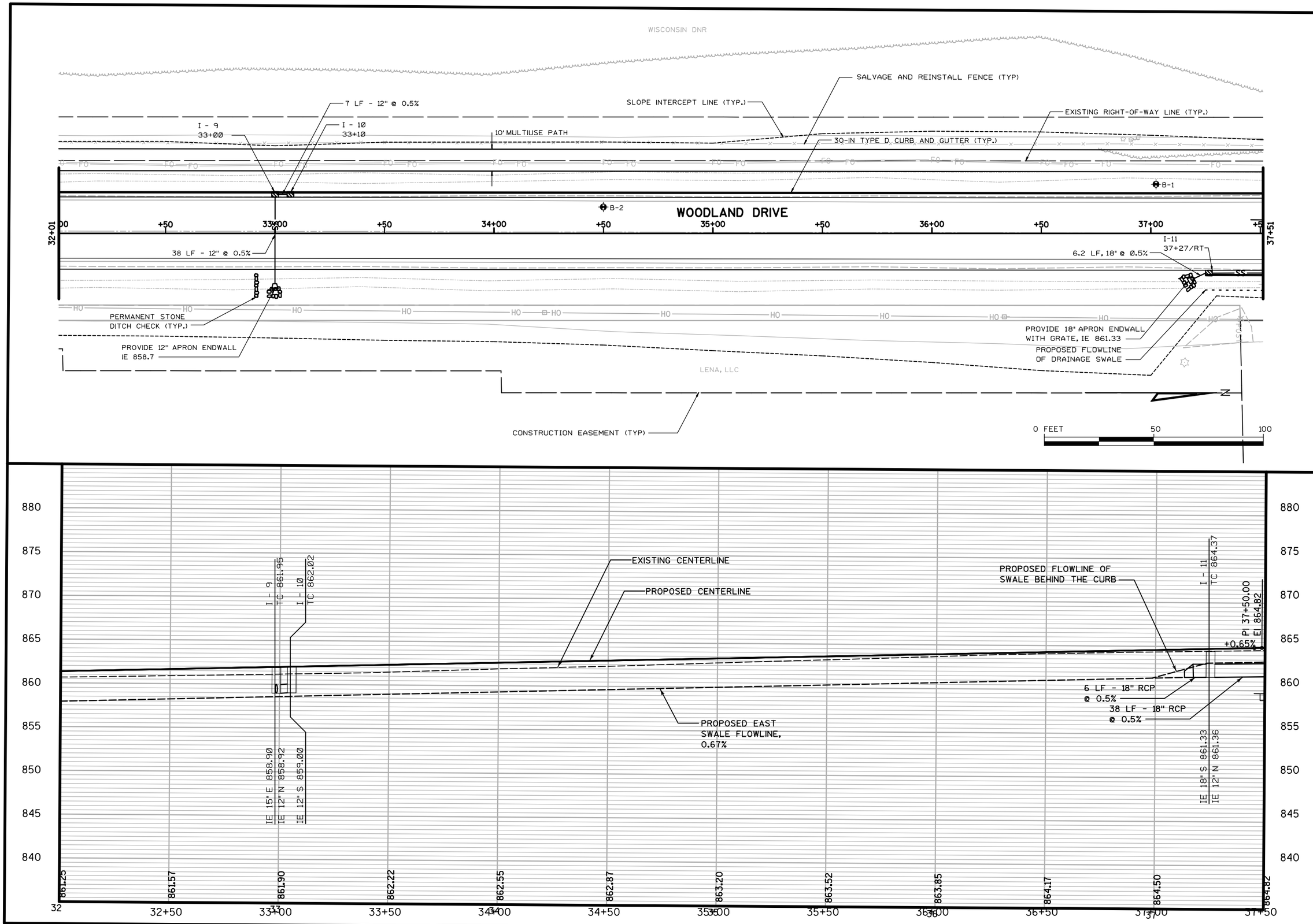
SHEET 29



DATE:

REVISIONS

NO.

WOODLAND DRIVE
PLAN AND PROFILE

2016 WOODLAND DRIVE IMPROVEMENTS
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JOB NO.
1139.006

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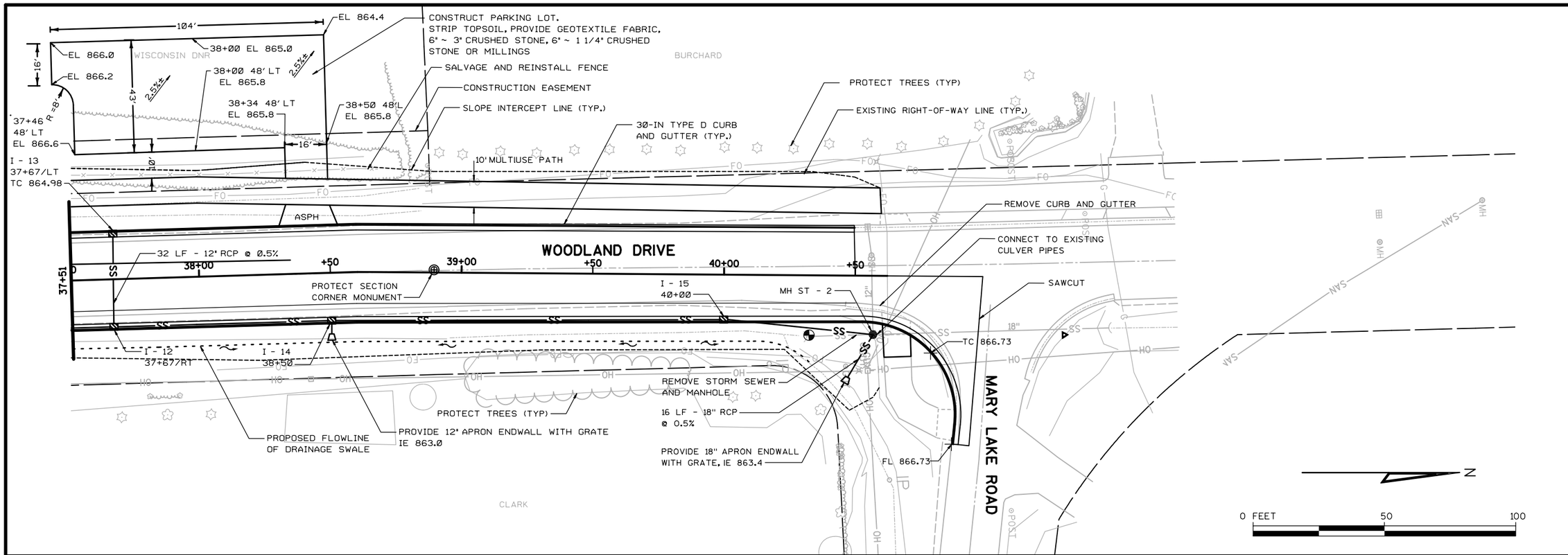
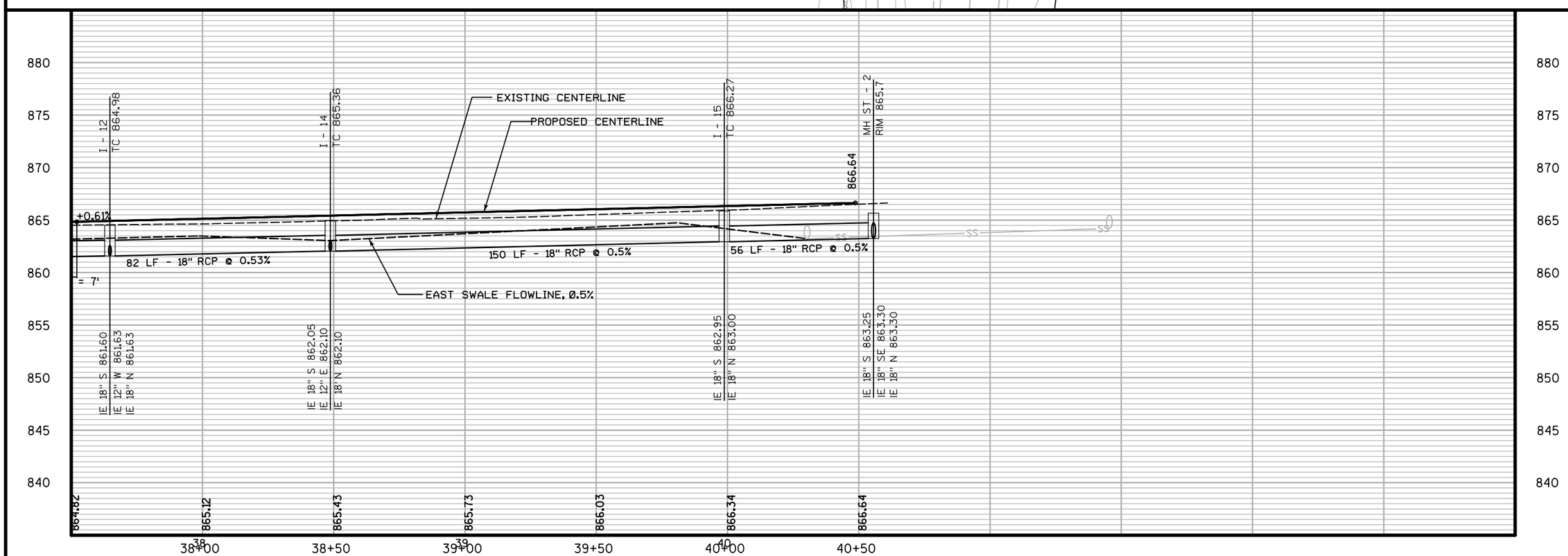
SHEET
30

$FILE$ $USER$ $DATE$ $TIME$





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JOB NO.
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SHEET
31

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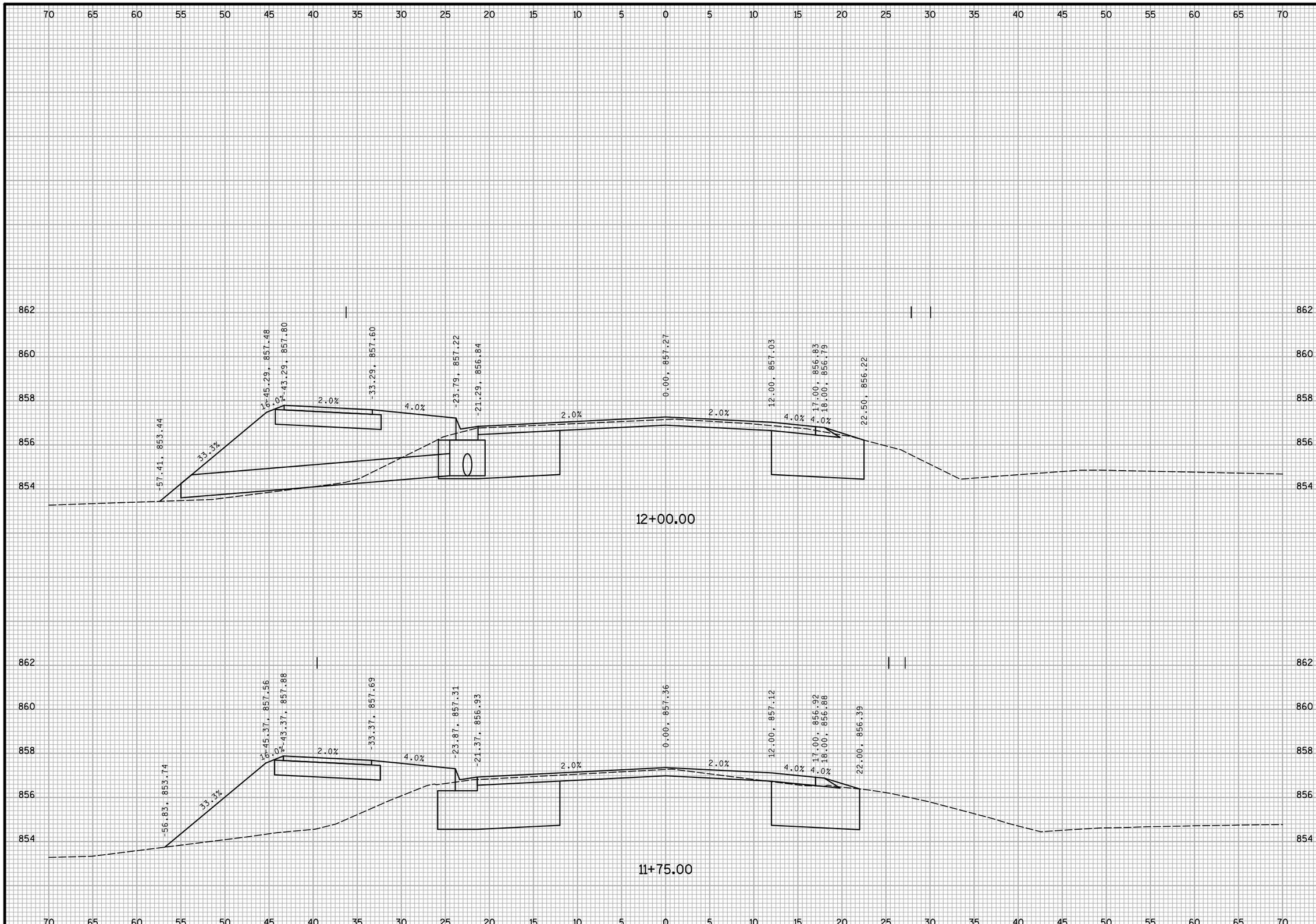

NO.	REVISIONS	DATE:

WOODLAND DRIVE CROSS SECTIONS

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO. 1139.006

PROJECT MGR. RKS

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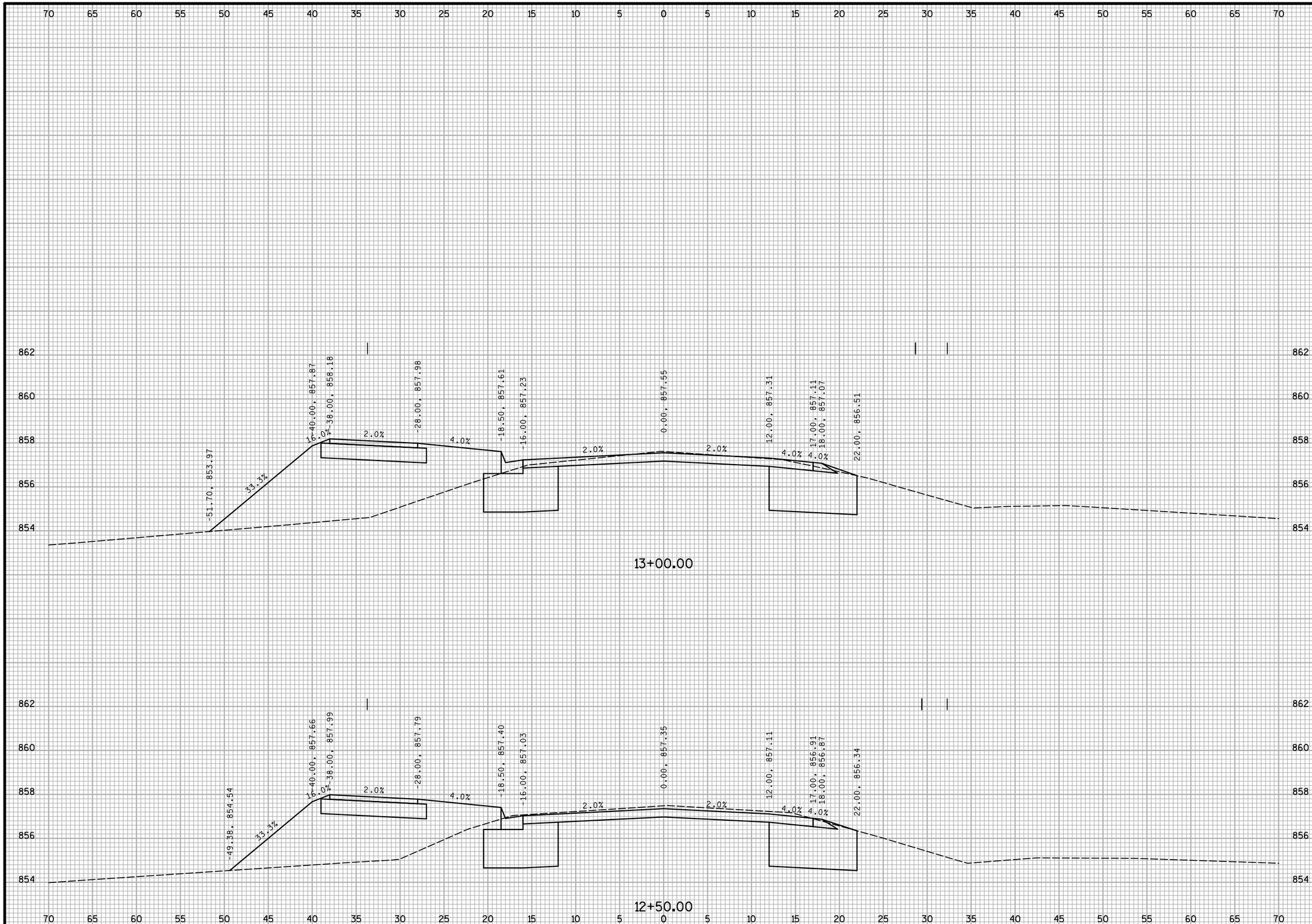
SHEET 32



NO.	REVISIONS	DATE:

WOODLAND DRIVE
CROSS SECTIONS

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
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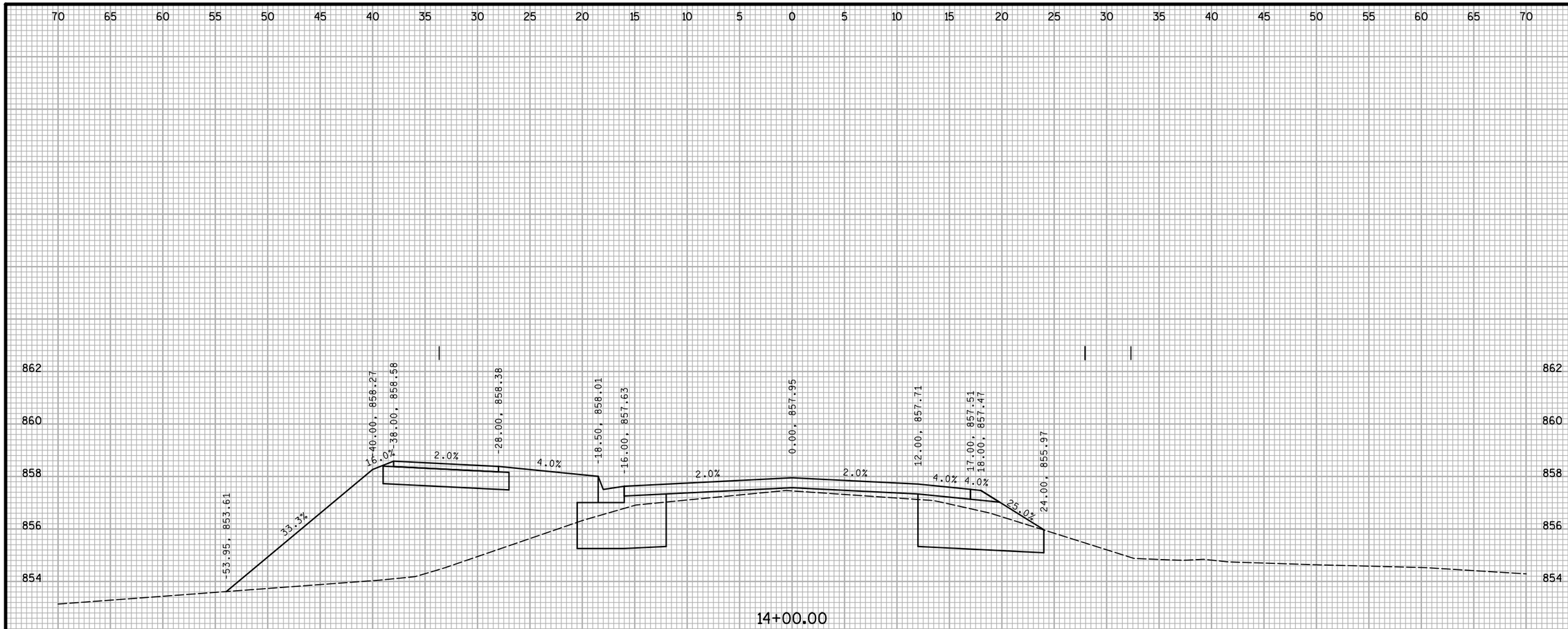
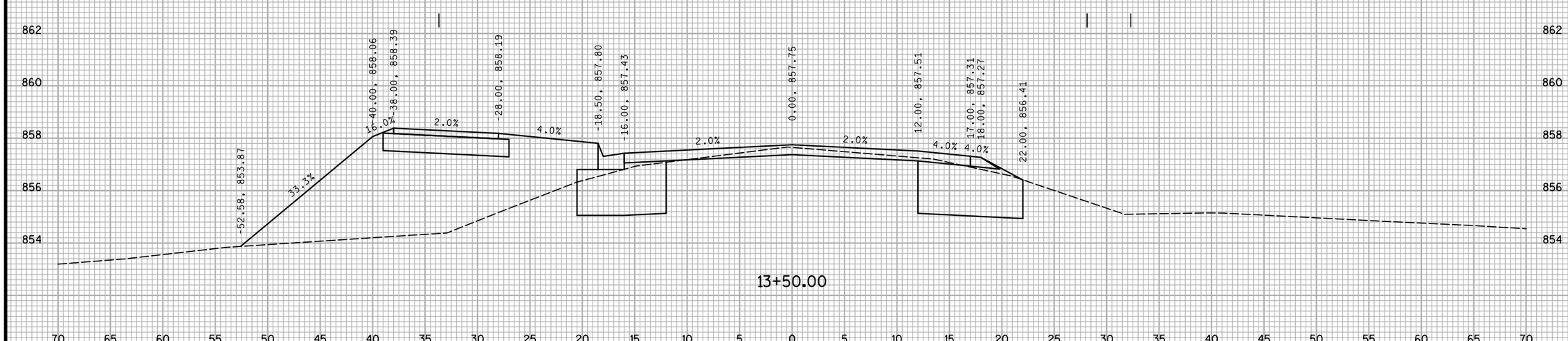
SHEET
33





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WOODLAND DRIVE CROSS SECTIONS

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

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1139.006

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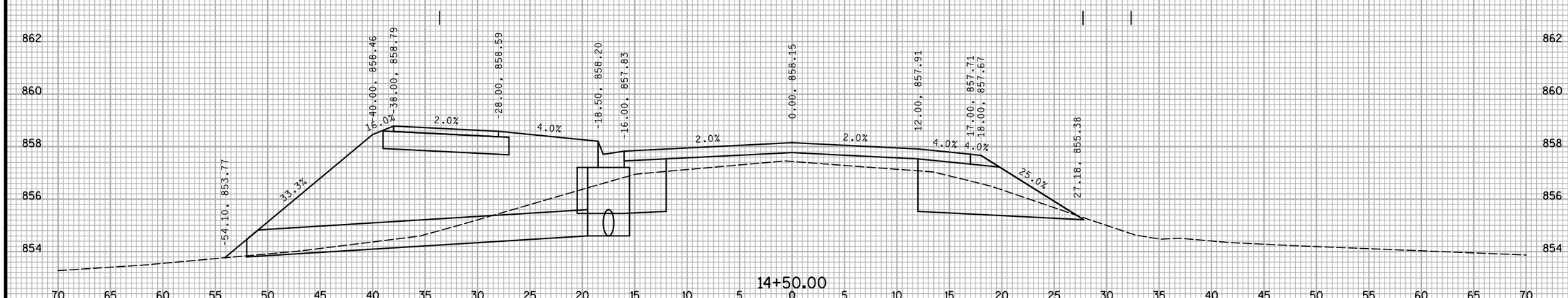
SHEET
34



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DANE COUNTY, WISCONSIN

JOB NO.
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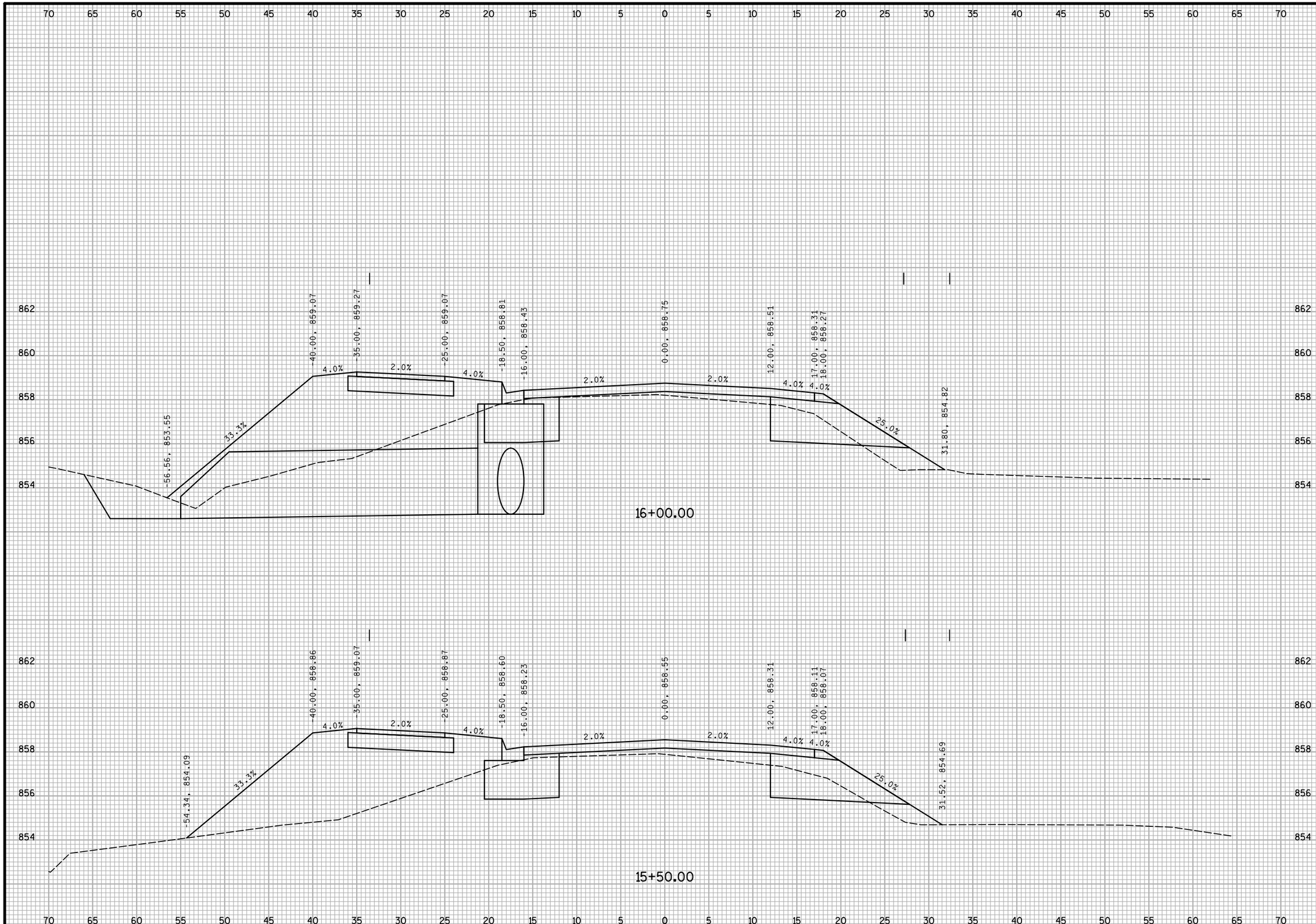
35



NO.	REVISIONS	DATE:

WOODLAND DRIVE CROSS SECTIONS

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TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

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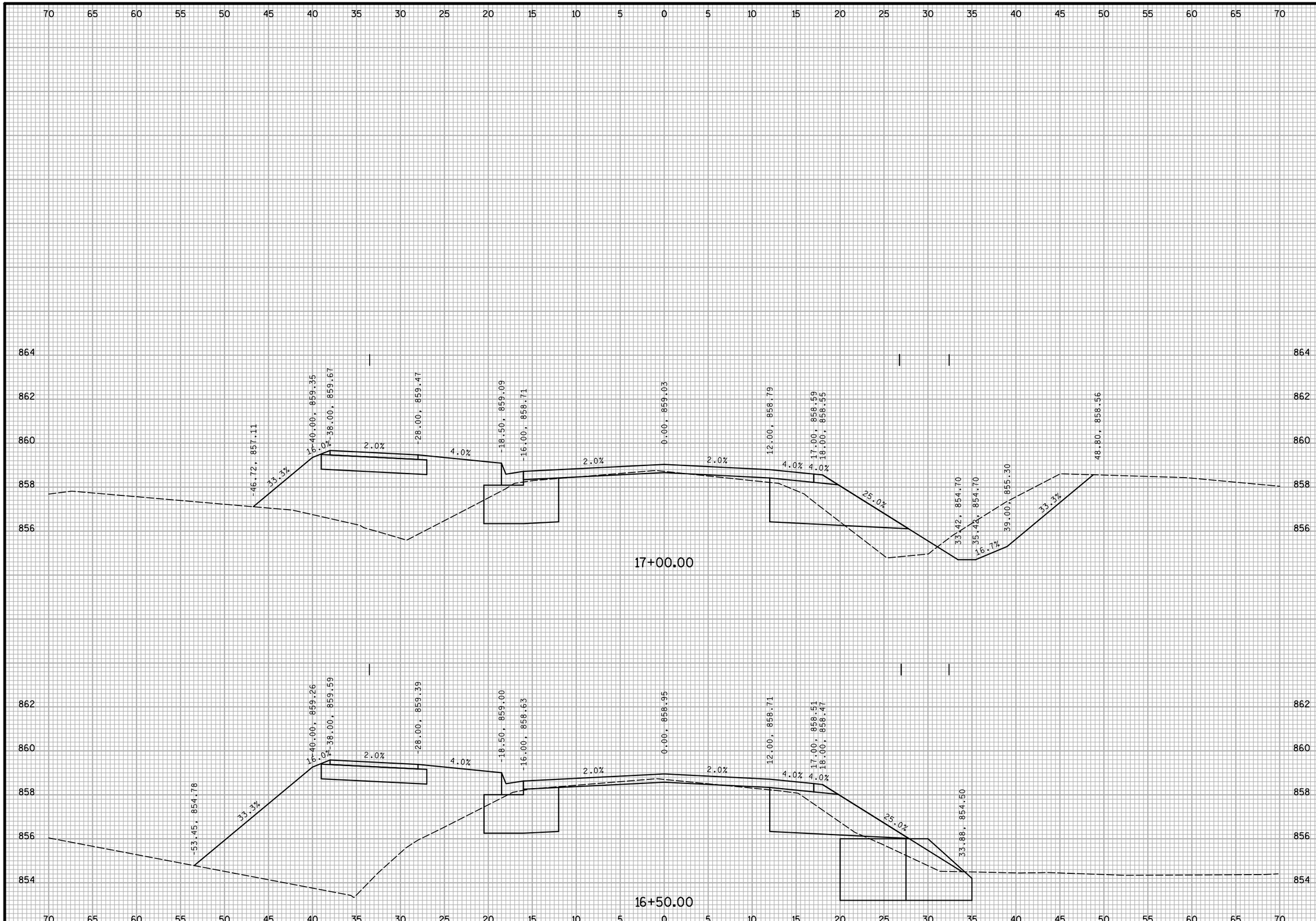
SHEET 36



NO.	REVISIONS	DATE:

WOODLAND DRIVE
CROSS SECTIONS

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

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SHEET
37

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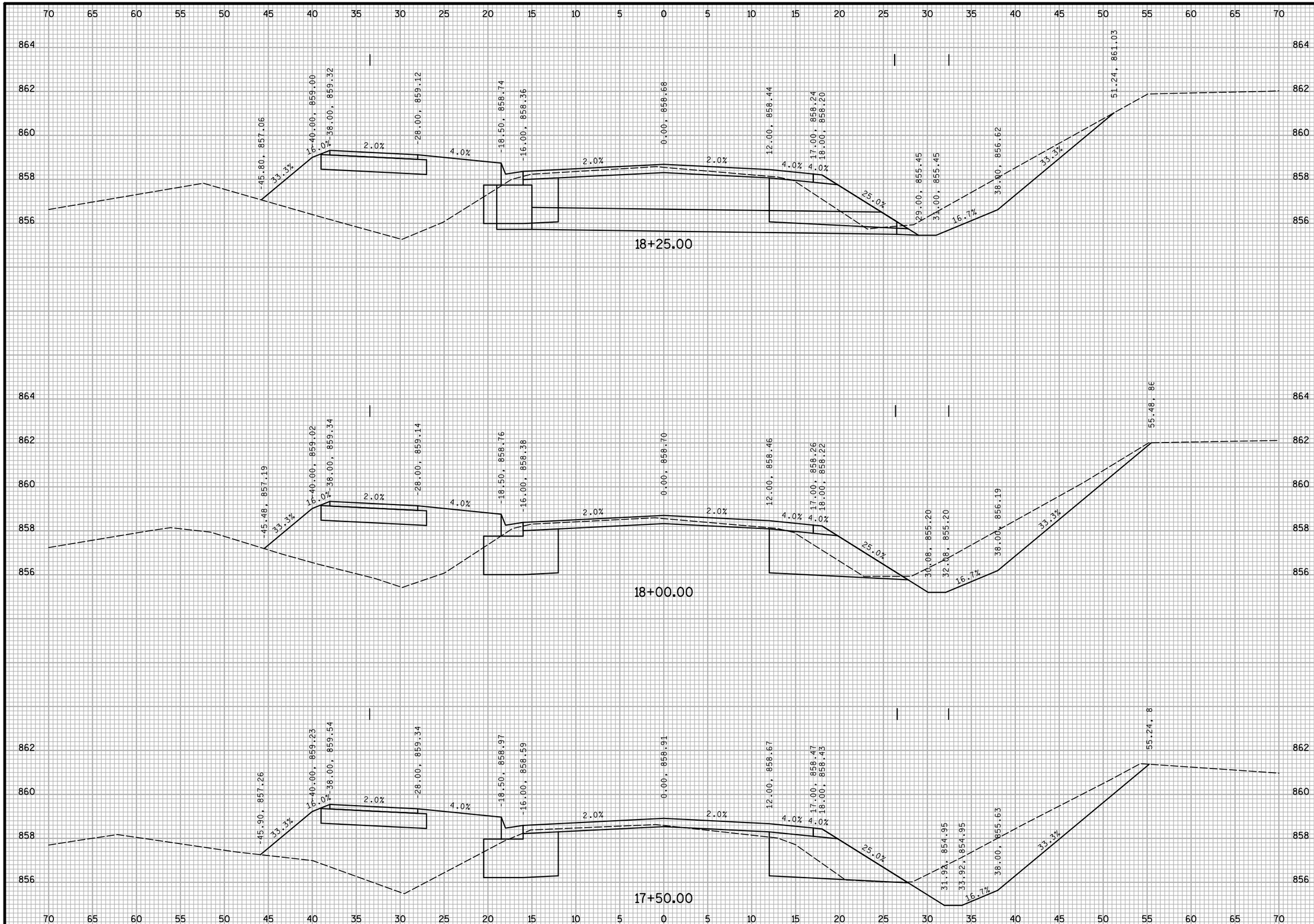

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WOODLAND DRIVE
CROSS SECTIONS

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
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SHEET
38

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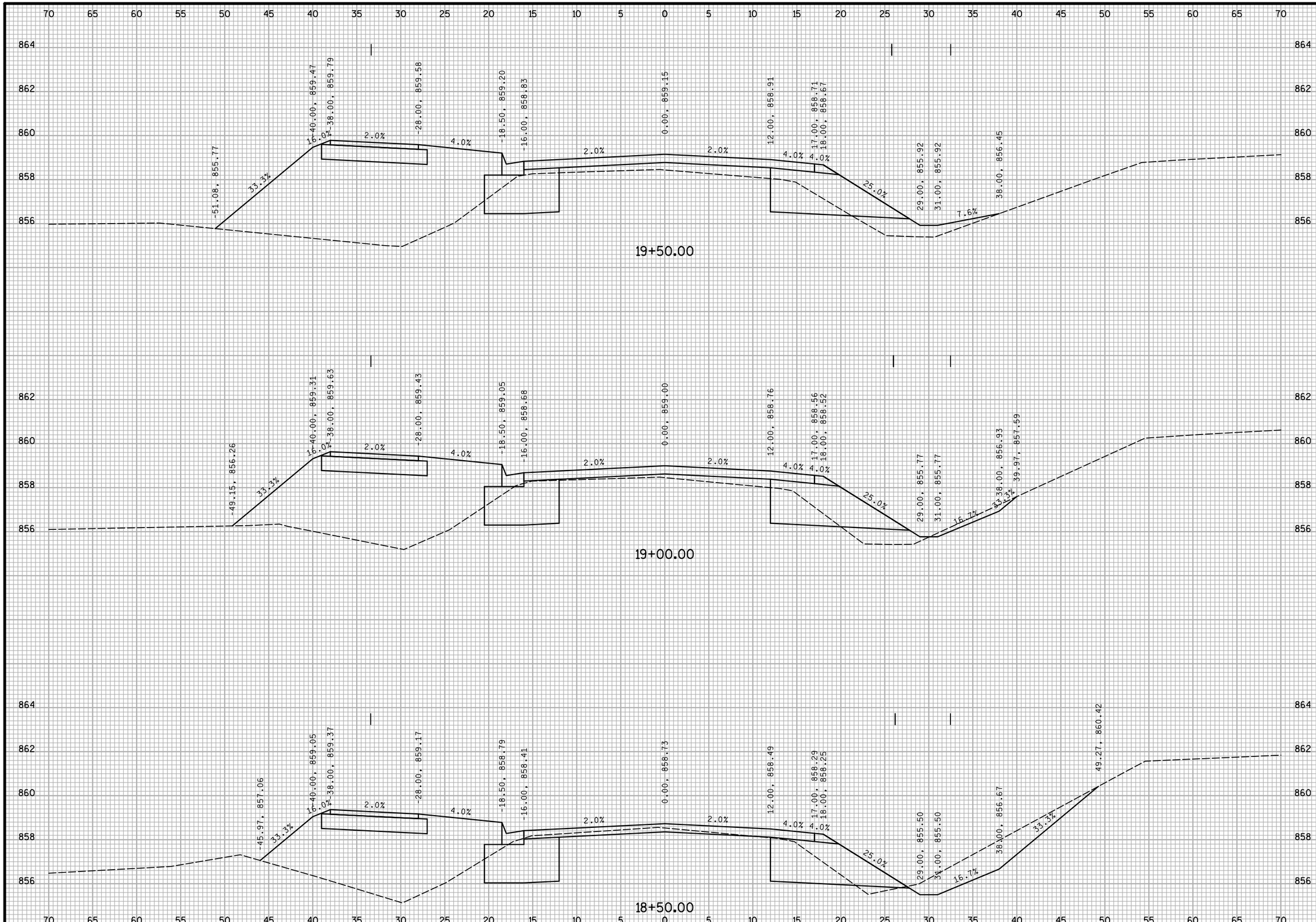

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2016 WOODLAND DRIVE IMPROVEMENTS
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SHEET
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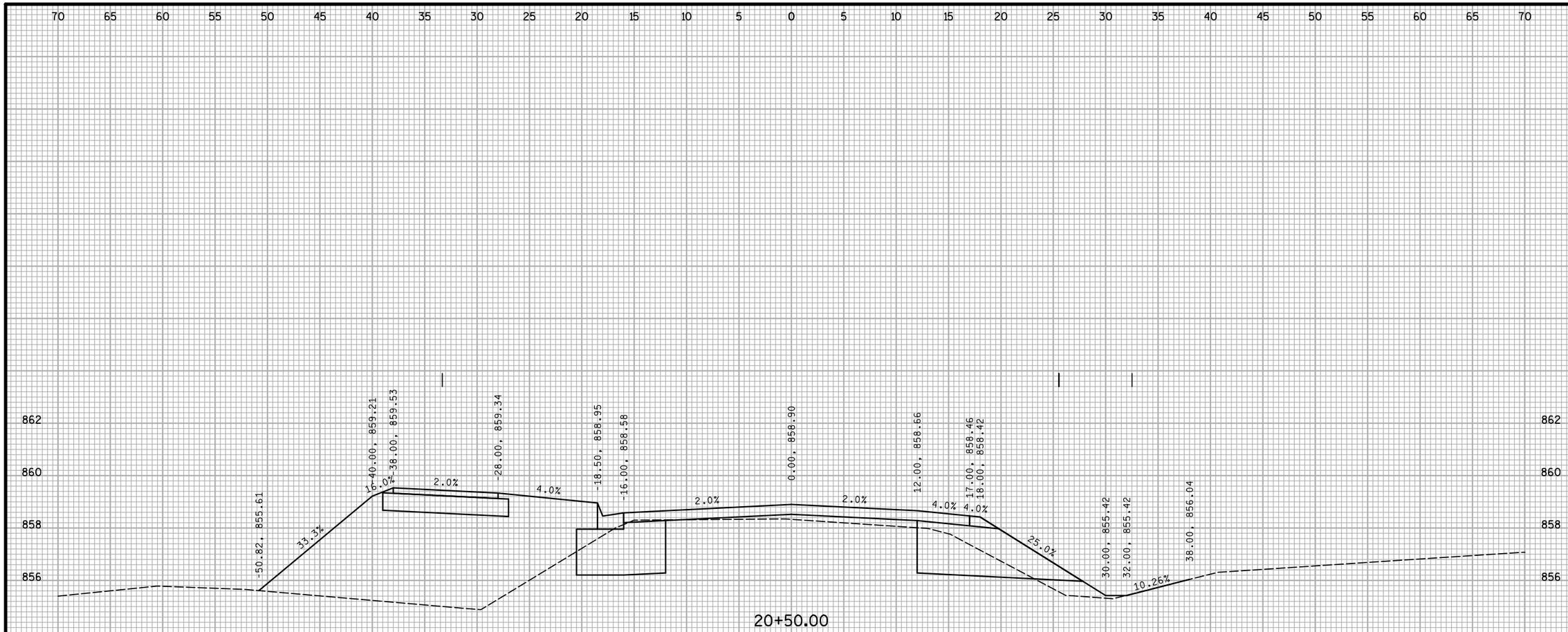

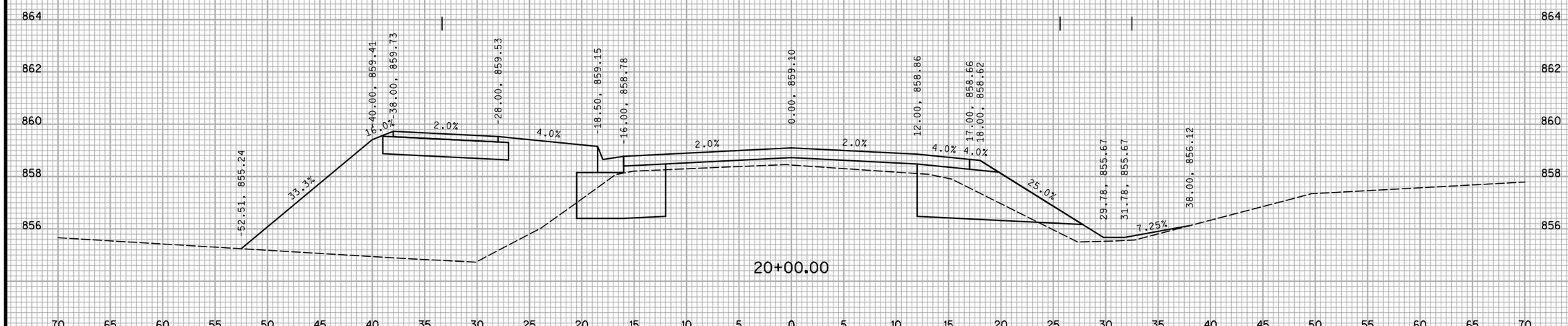

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WOODLAND DRIVE CROSS SECTIONS

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

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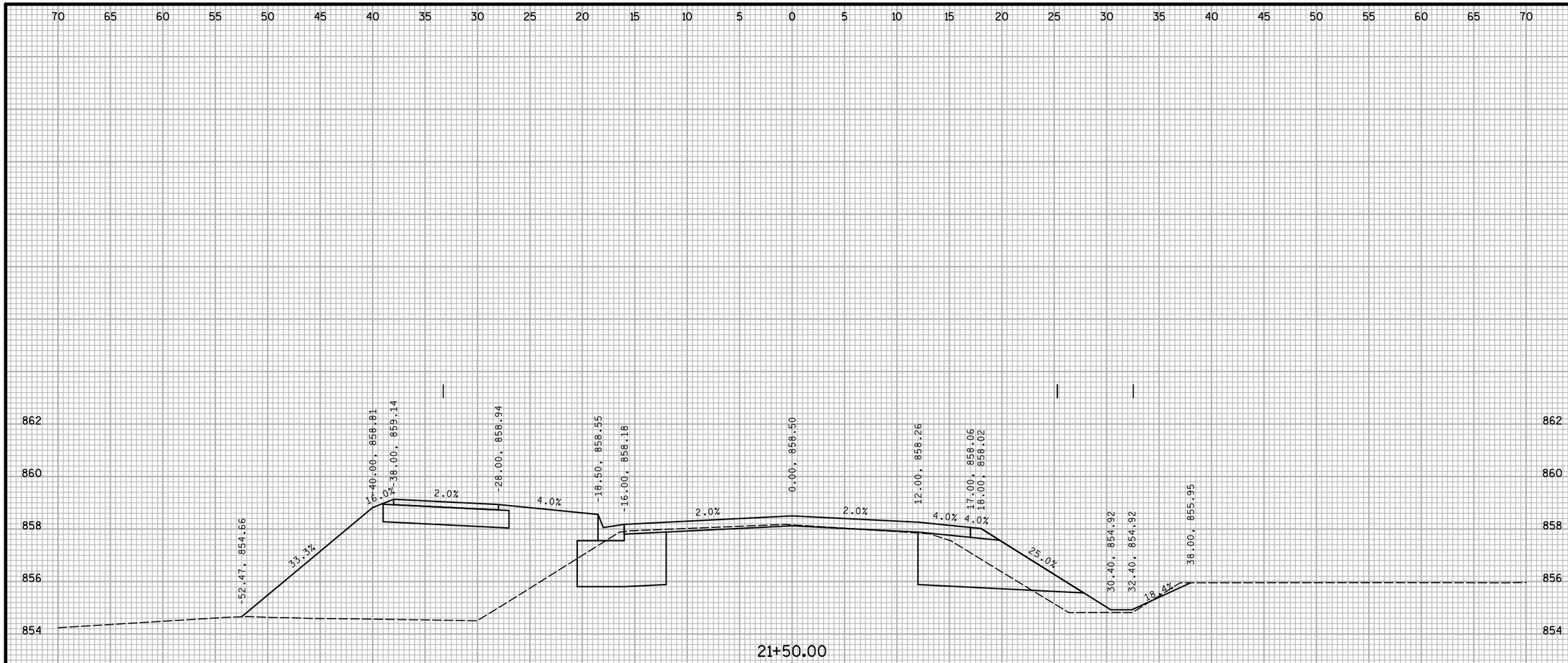

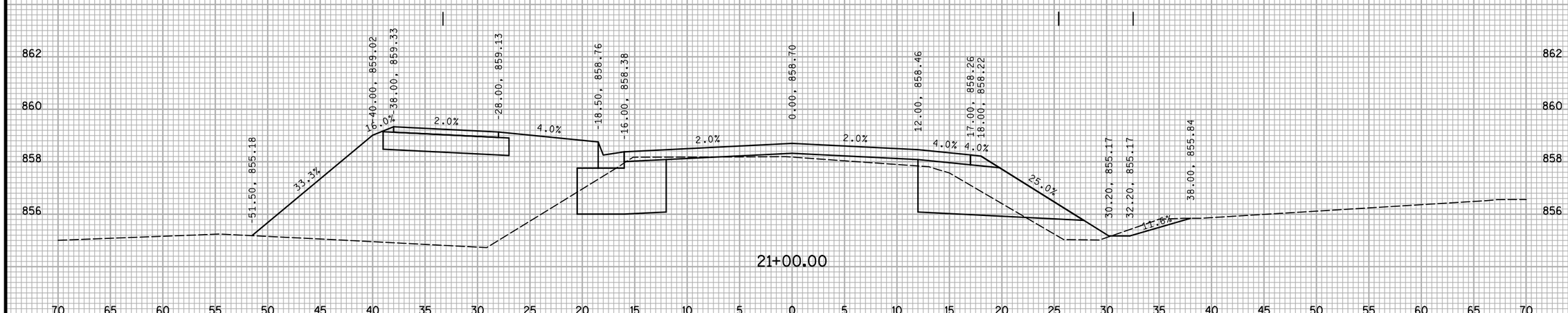

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DANE COUNTY, WISCONSIN

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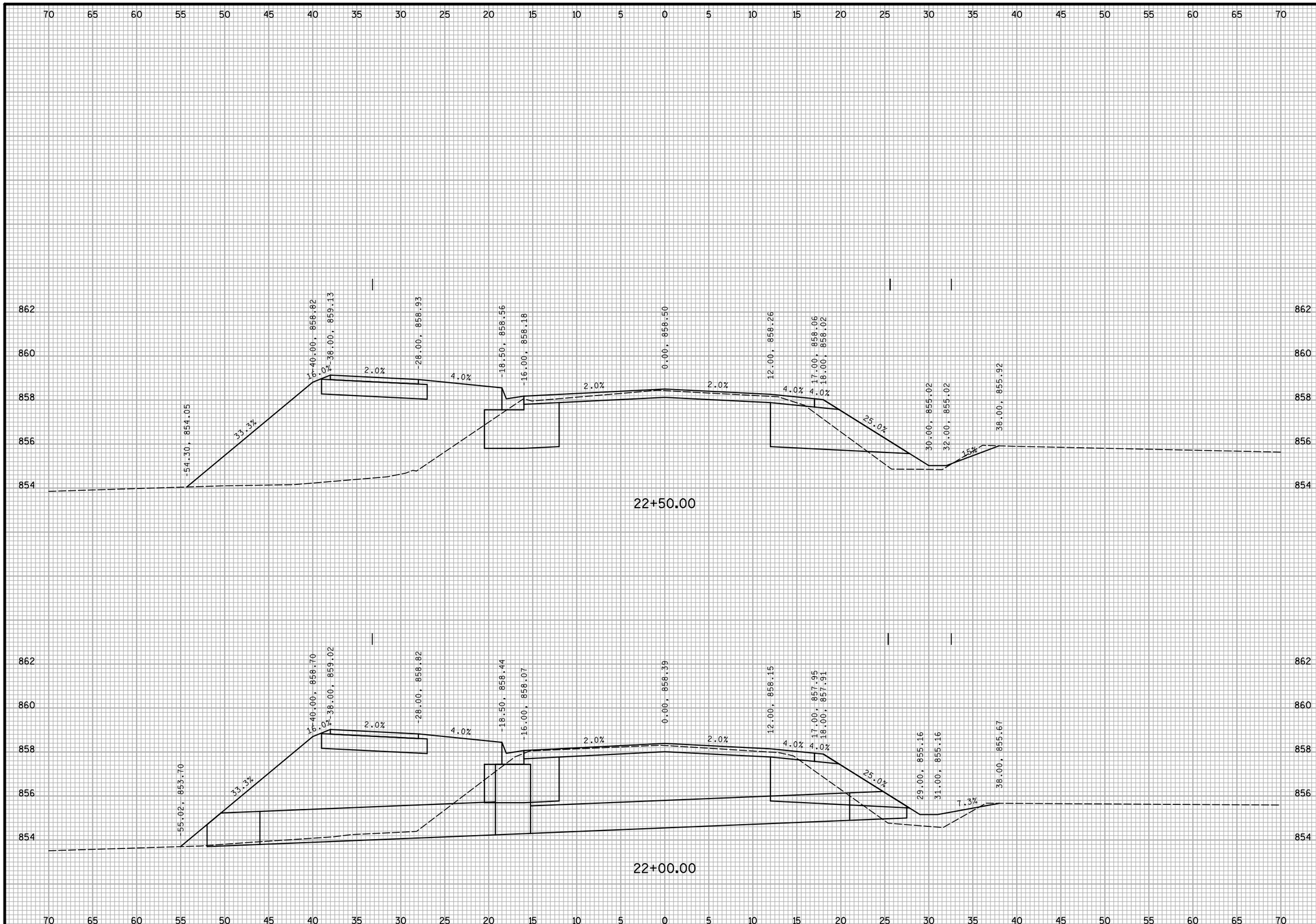
41



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DANE COUNTY, WISCONSIN

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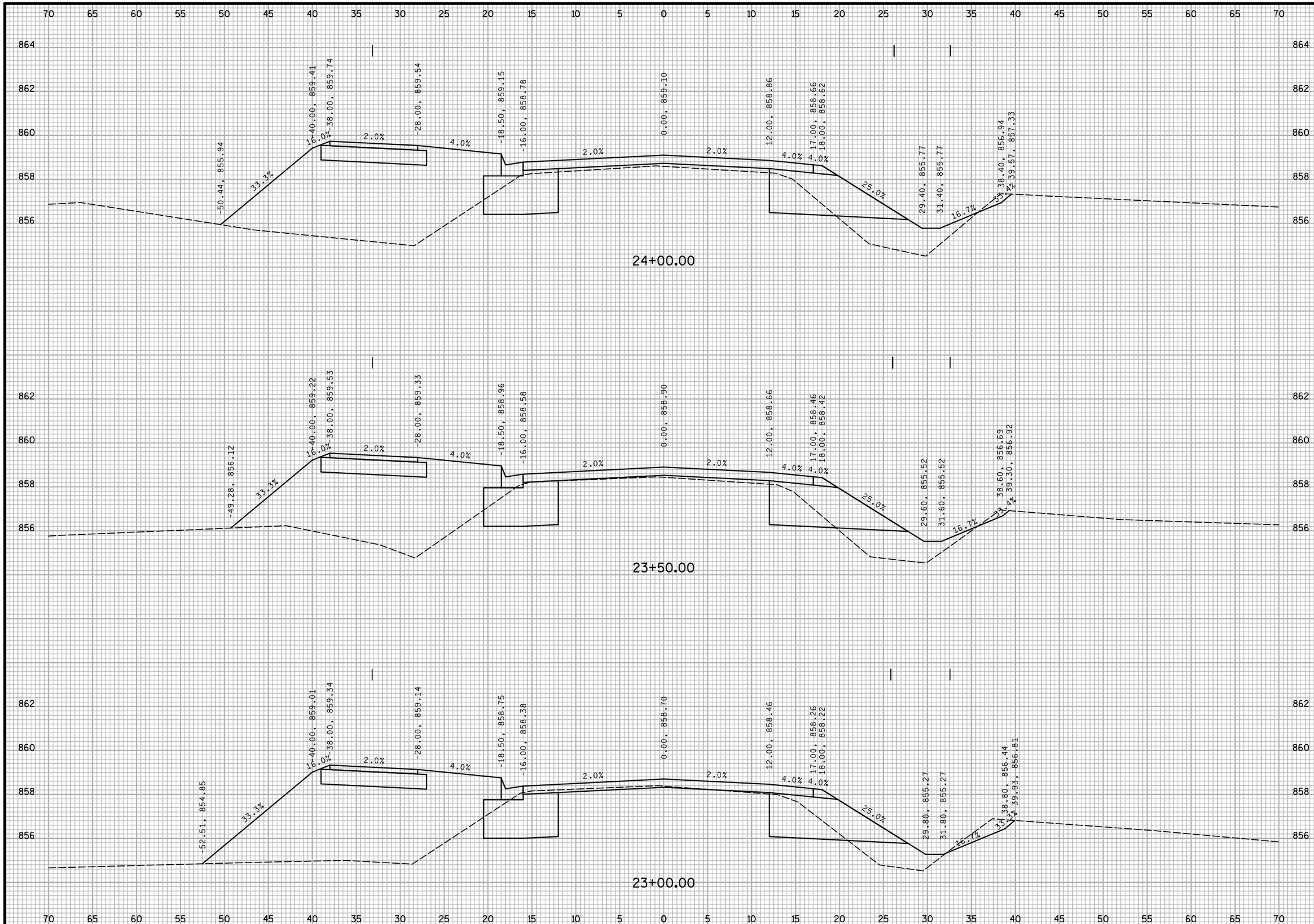
42



NO.	REVISIONS	DATE:

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DANE COUNTY, WISCONSIN

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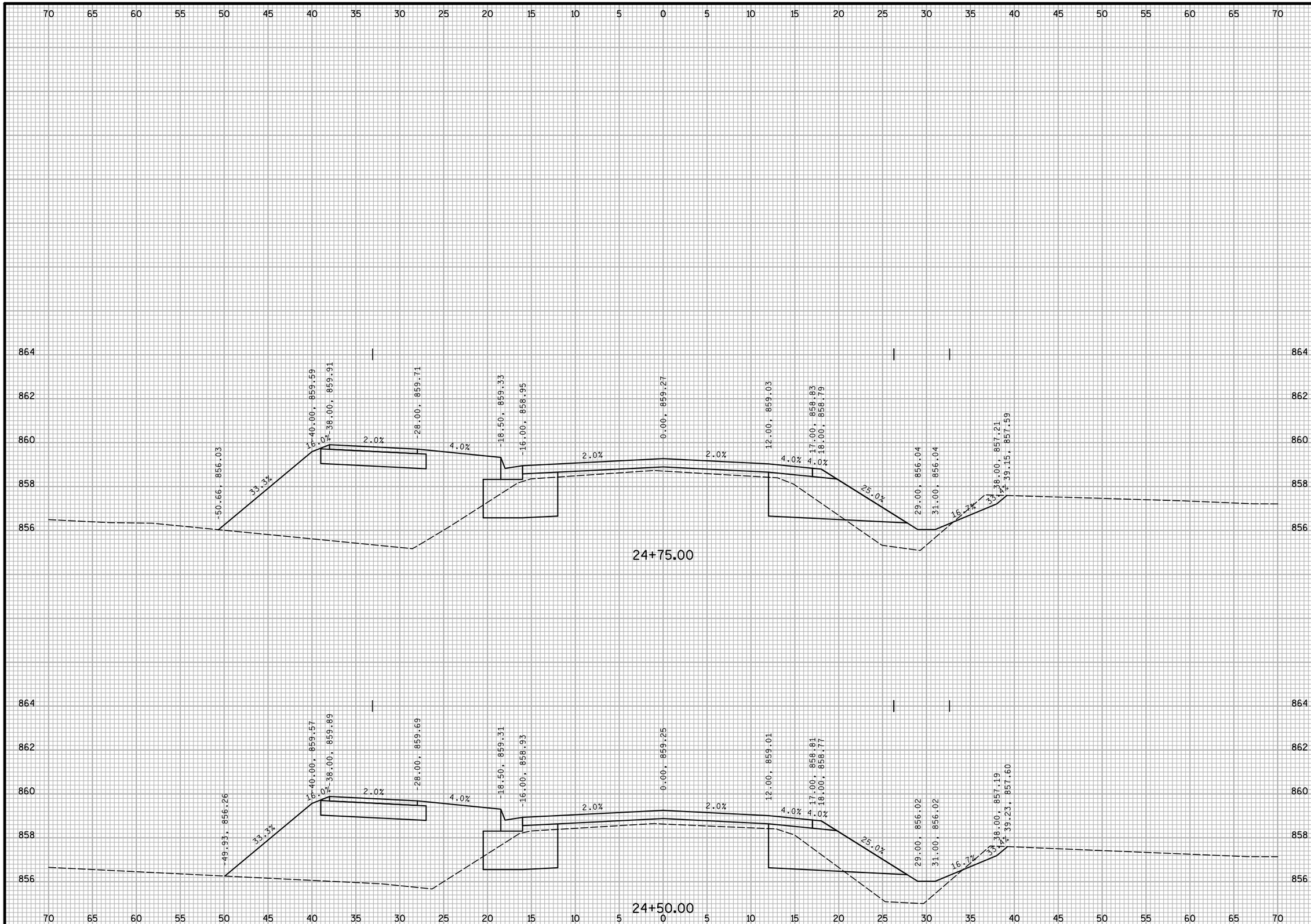
43



NO.	REVISIONS	DATE:

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SHEET
44

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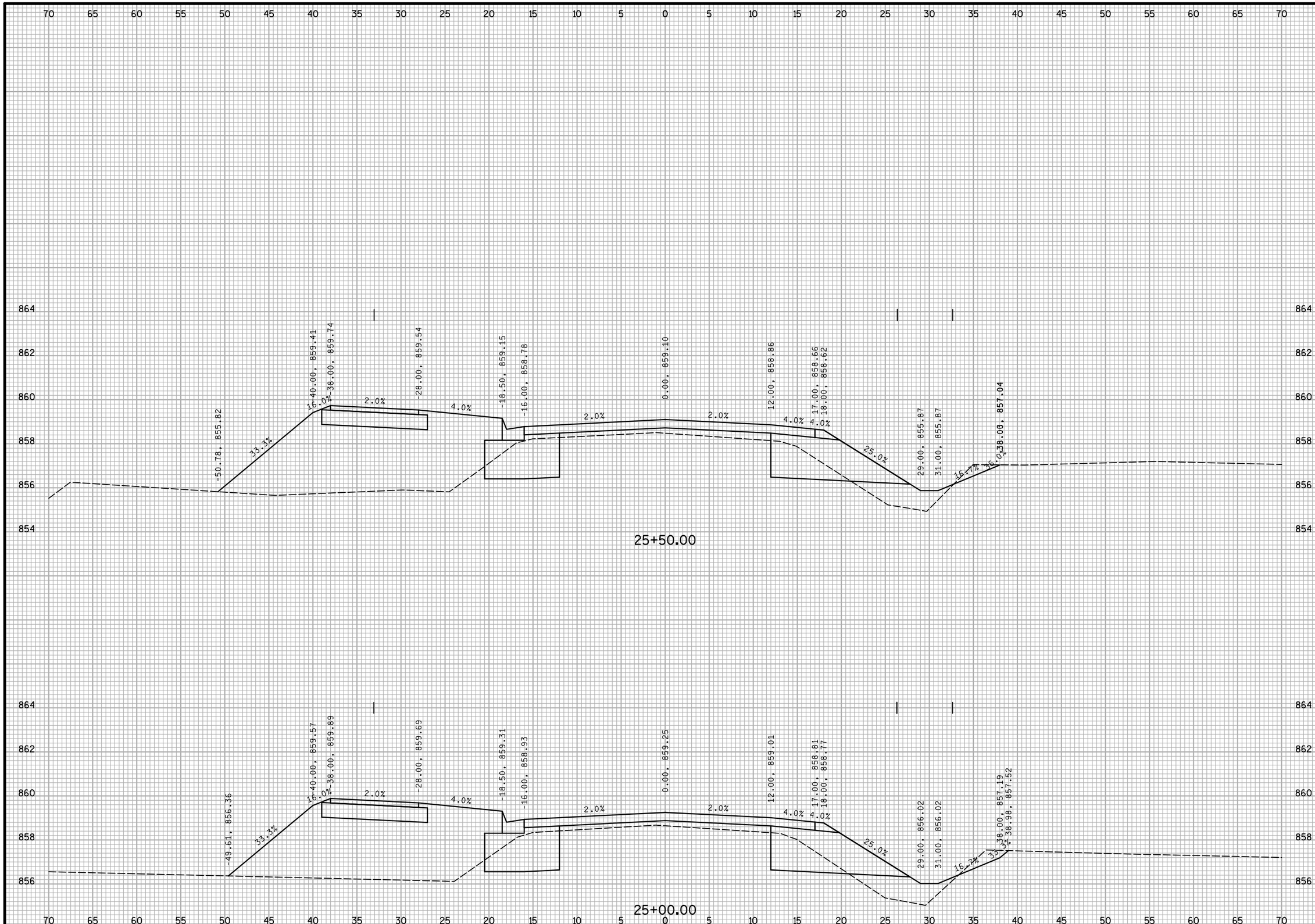

NO.	REVISIONS	DATE:

WOODLAND DRIVE
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2016 WOODLAND DRIVE IMPROVEMENTS
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DANE COUNTY, WISCONSIN

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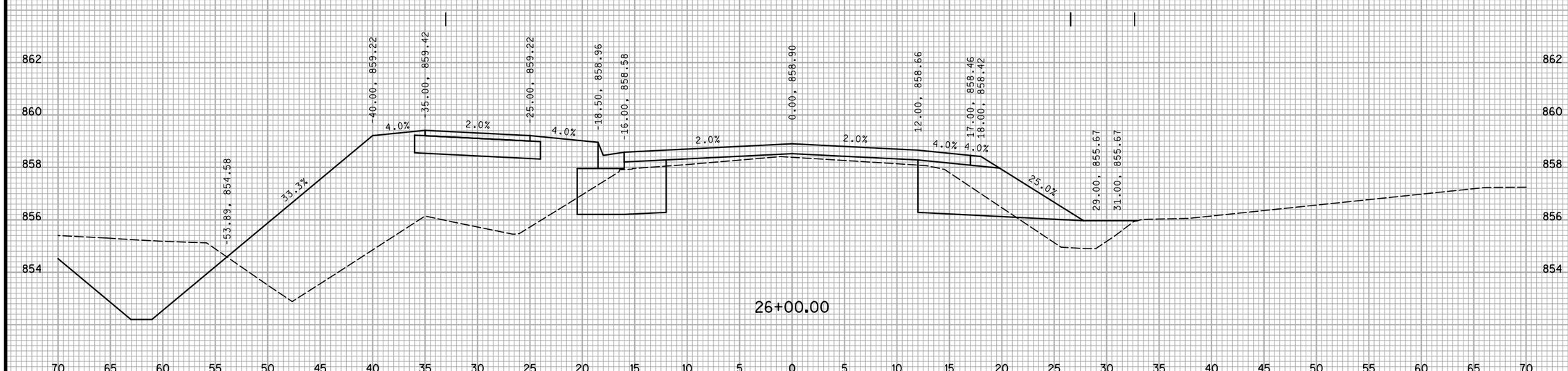
45



NO.	REVISIONS	DATE:

WOODLAND DRIVE
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2016 WOODLAND DRIVE IMPROVEMENTS
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JOB NO.
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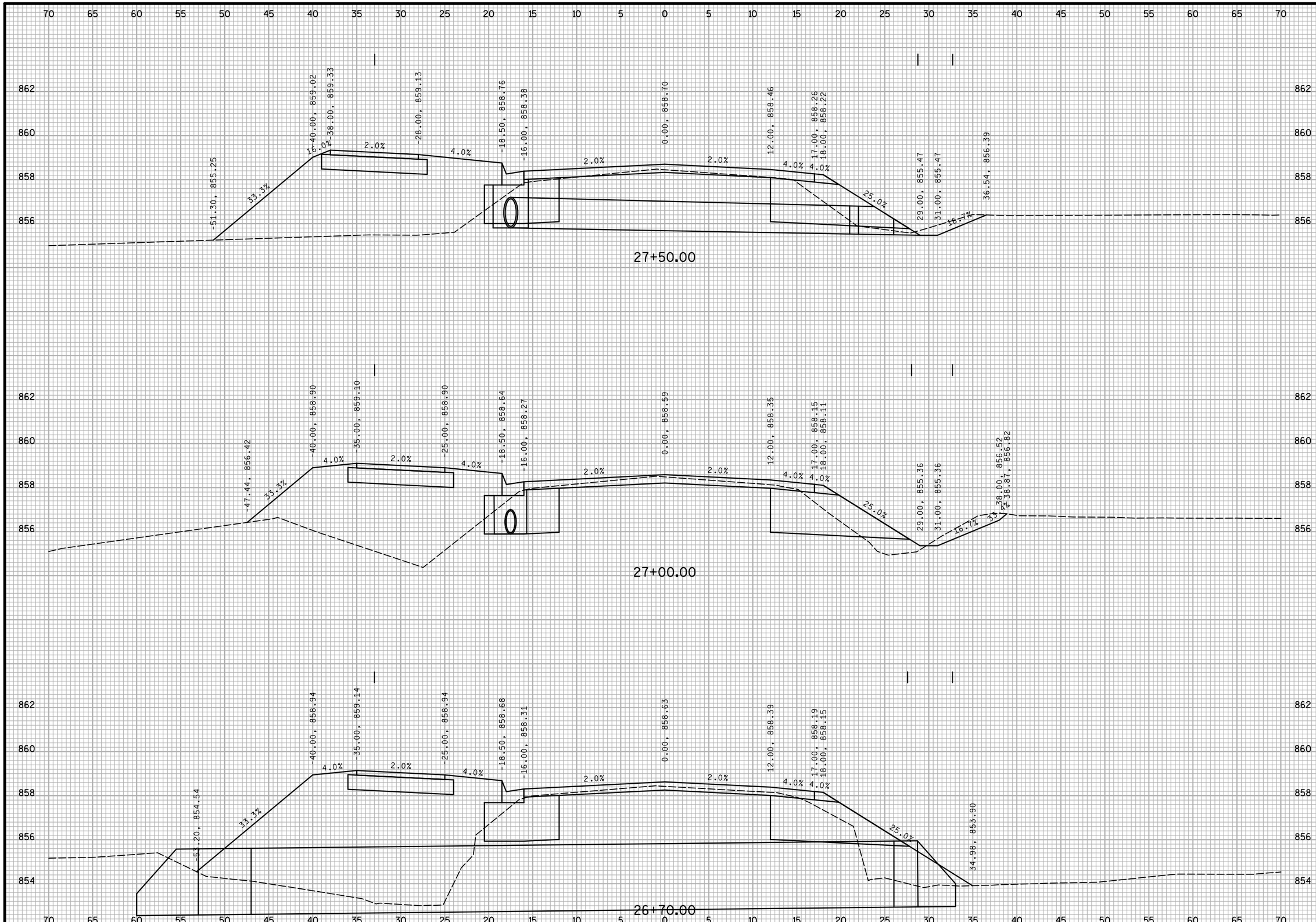
46



NO.	REVISIONS	DATE:

WOODLAND DRIVE
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DANE COUNTY, WISCONSIN

JOB NO.
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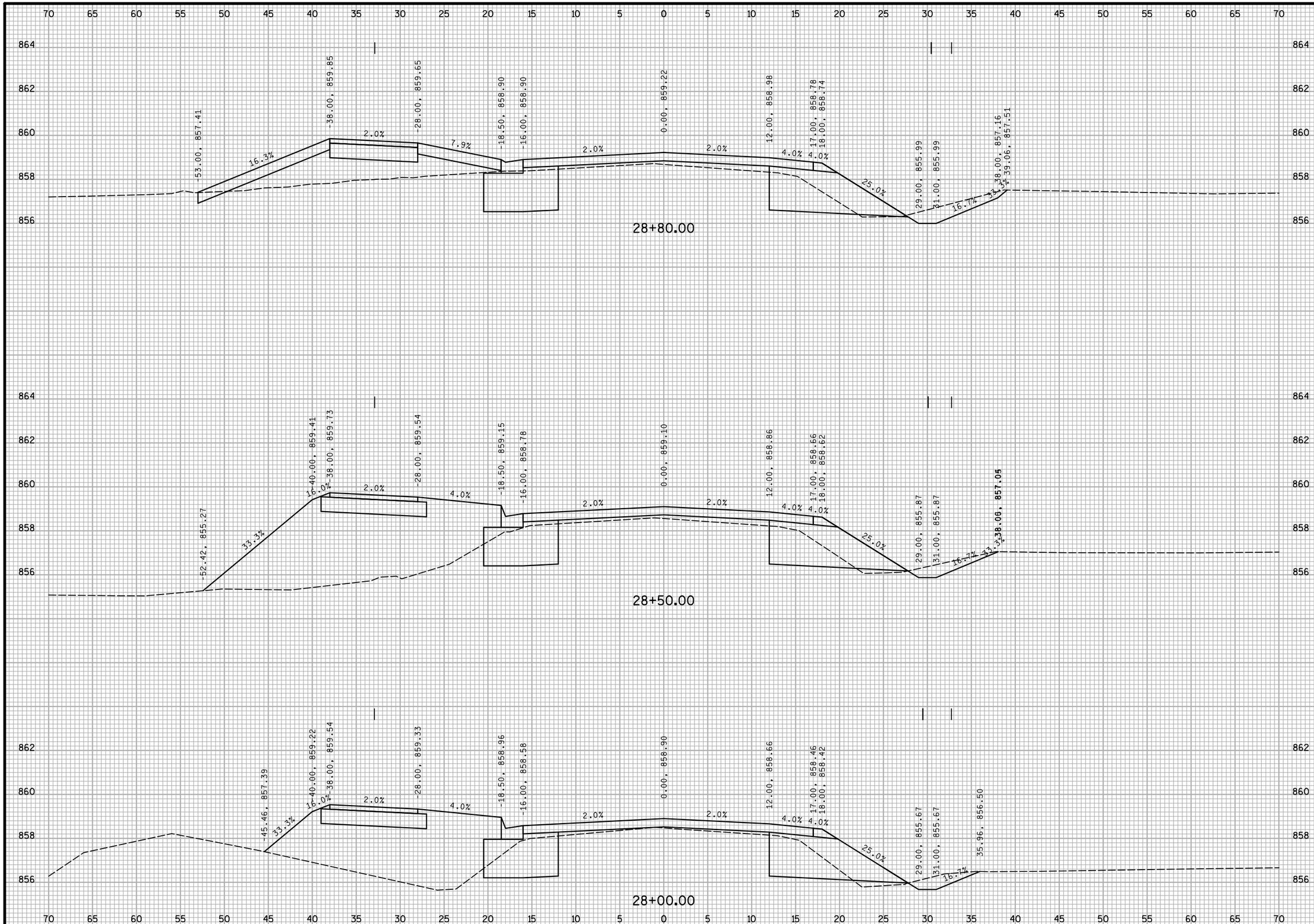

NO.	REVISIONS	DATE:

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2016 WOODLAND DRIVE IMPROVEMENTS
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SHEET
48

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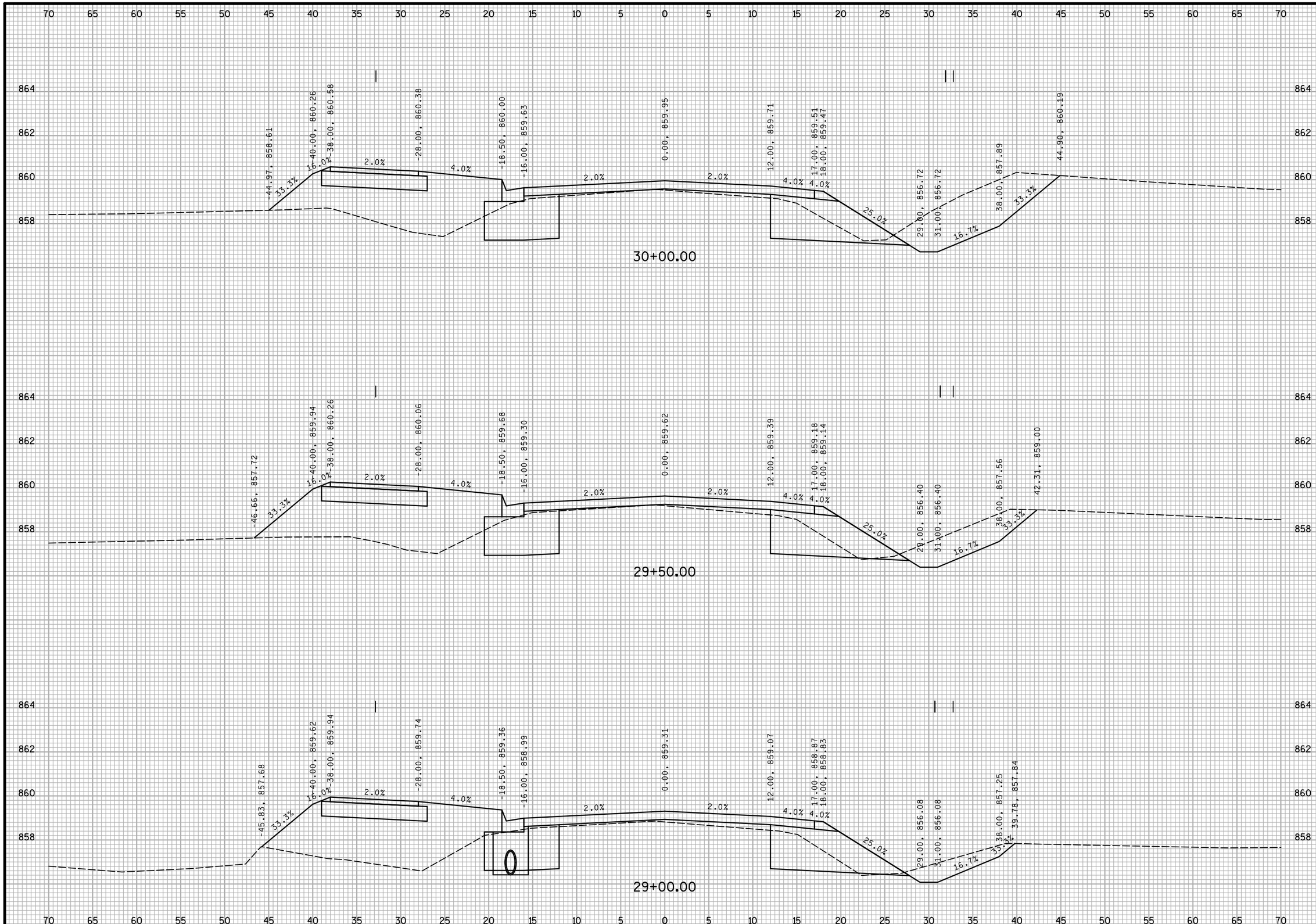

NO.	REVISIONS	DATE:

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2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
DANE COUNTY, WISCONSIN

JOB NO.
1139.006

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SHEET
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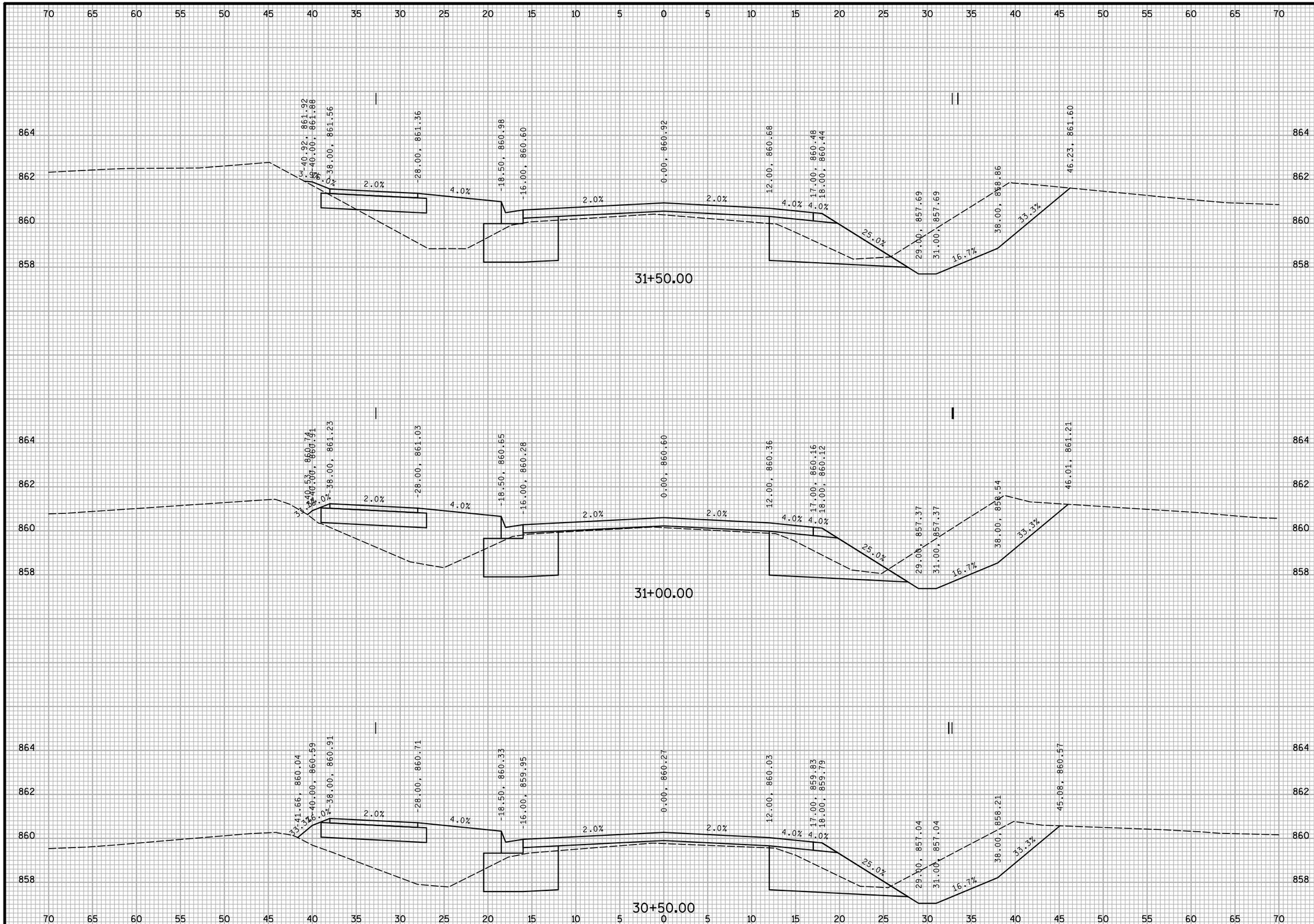

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WOODLAND DRIVE
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2016 WOODLAND DRIVE IMPROVEMENTS
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SHEET
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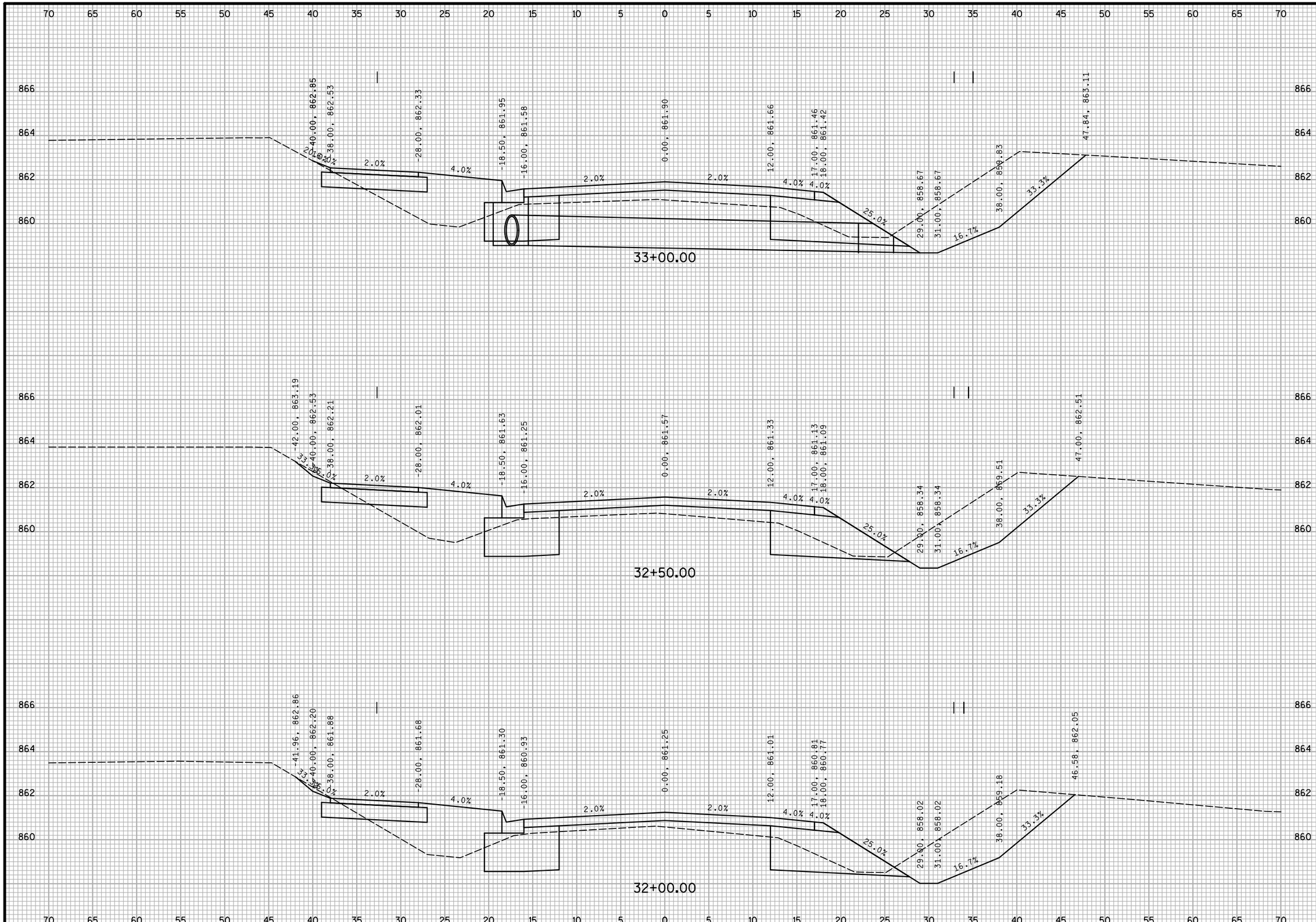

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WOODLAND DRIVE
CROSS SECTIONS

2016 WOODLAND DRIVE IMPROVEMENTS
TOWN OF WESTPORT
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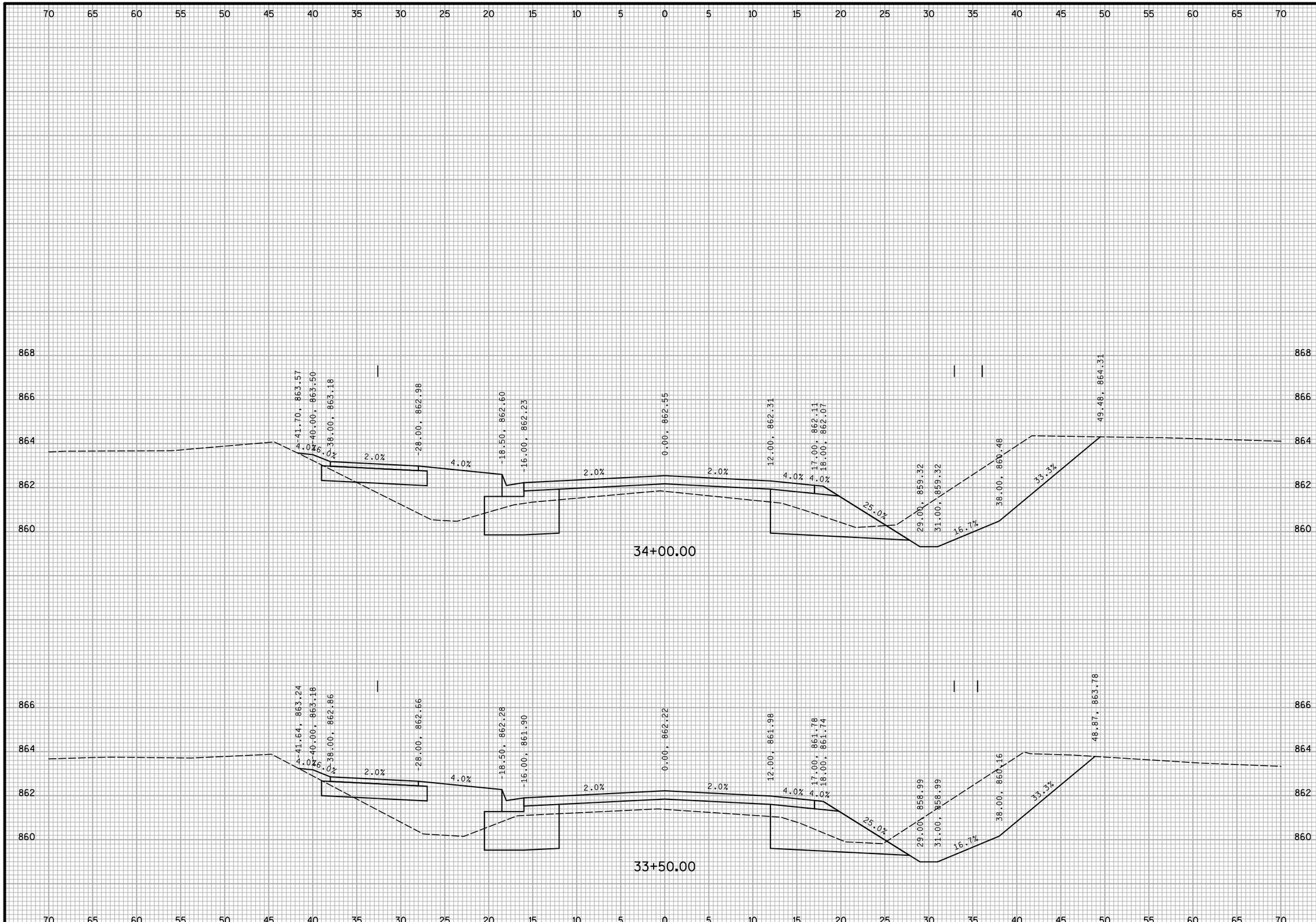

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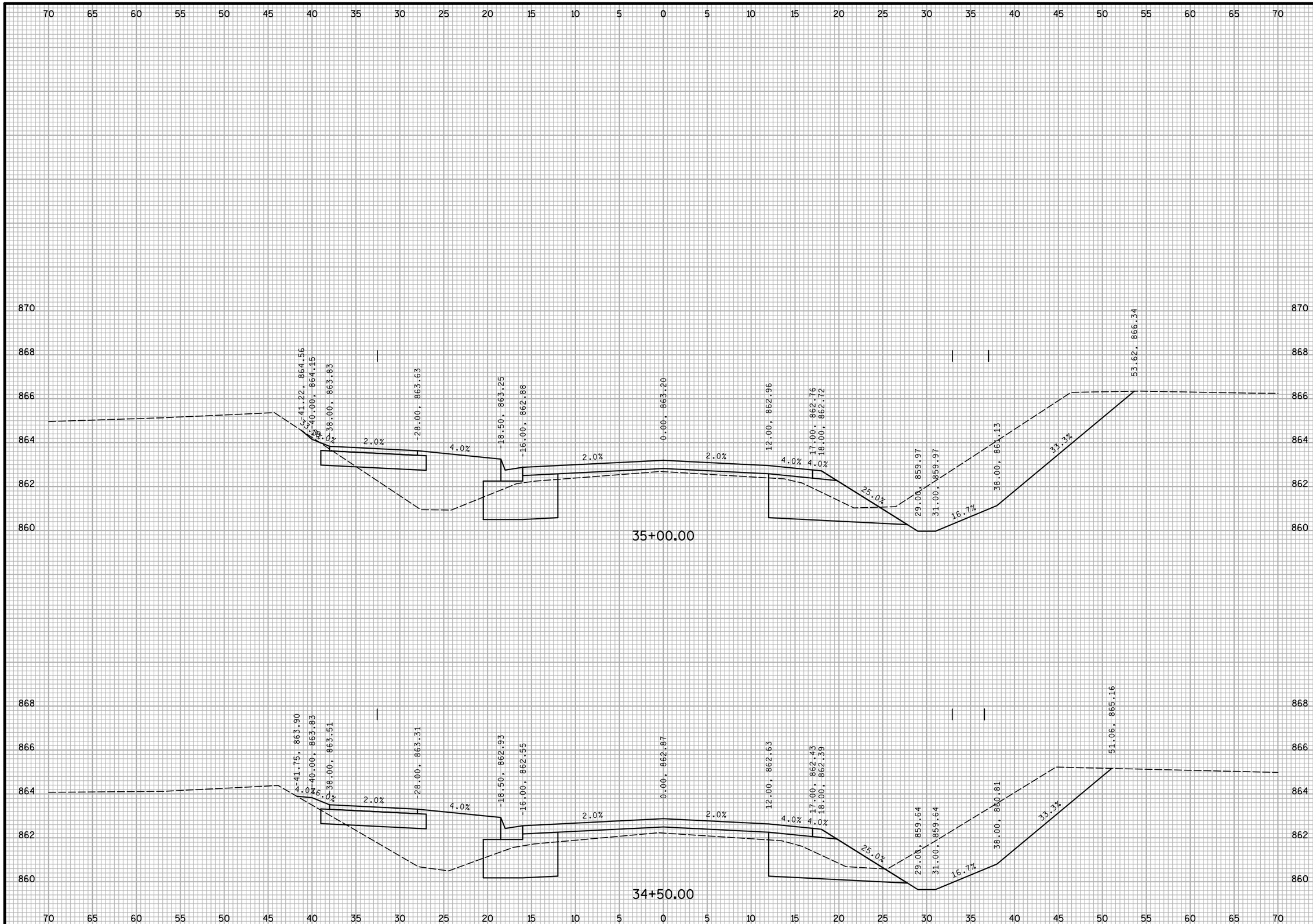

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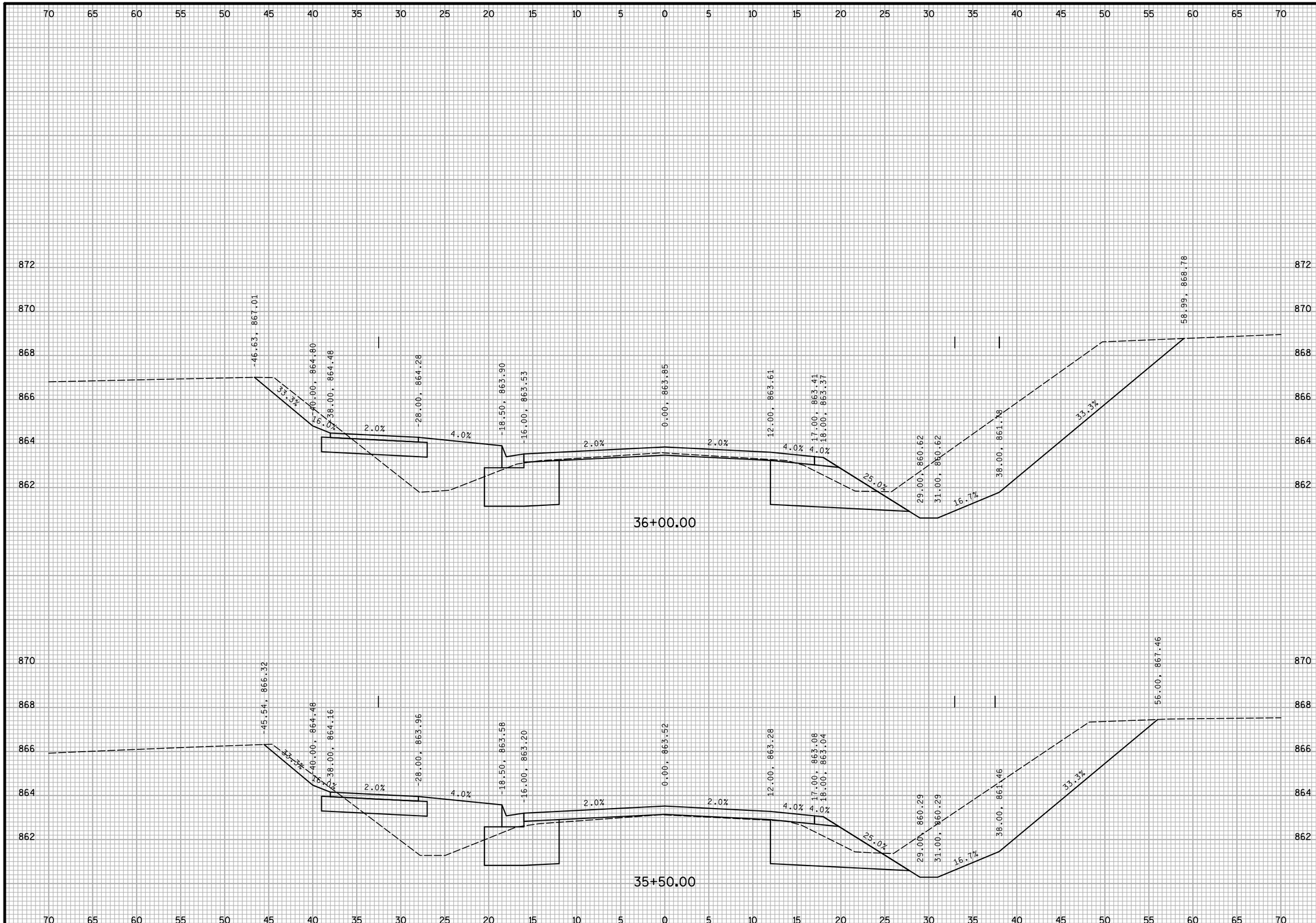

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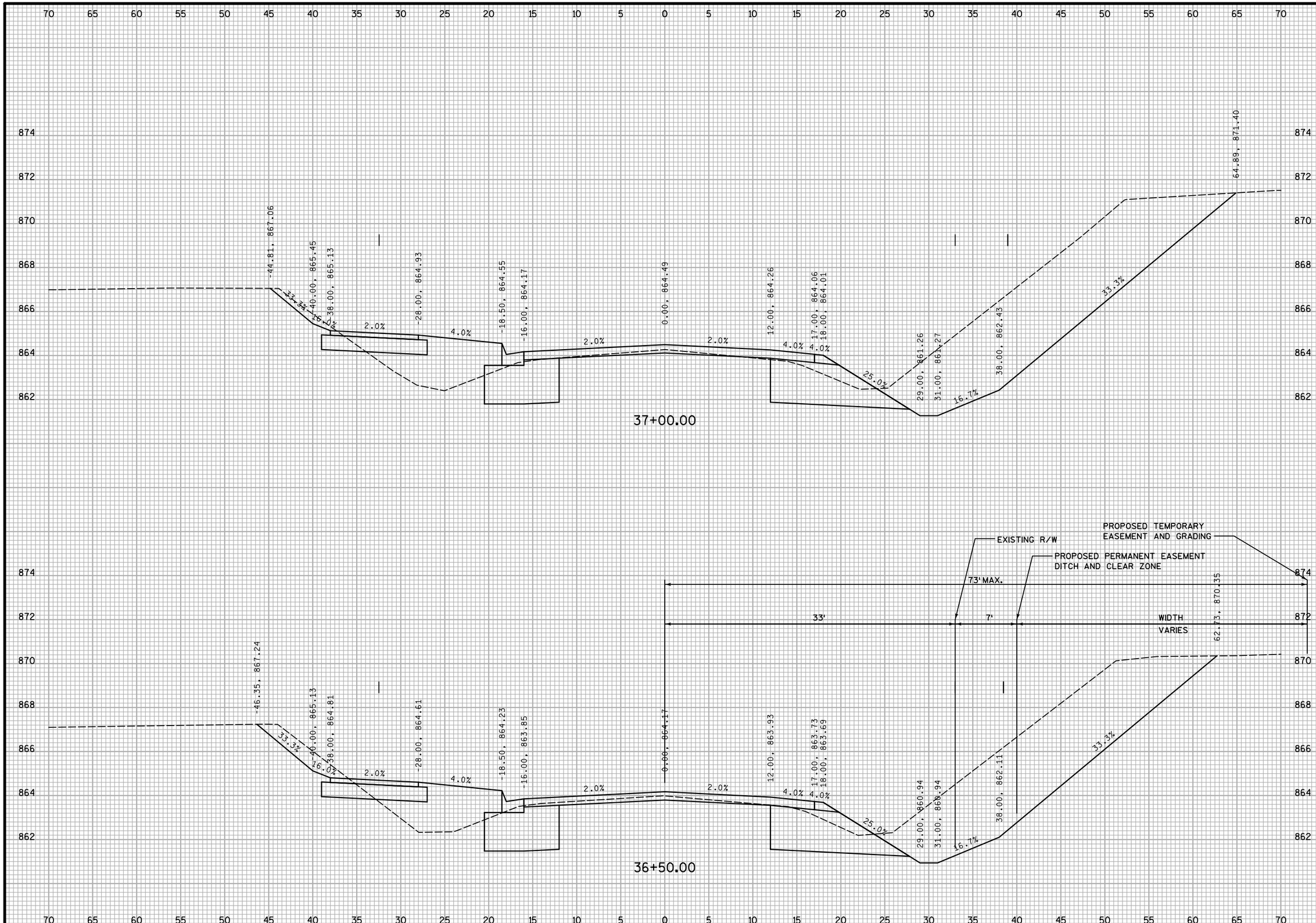

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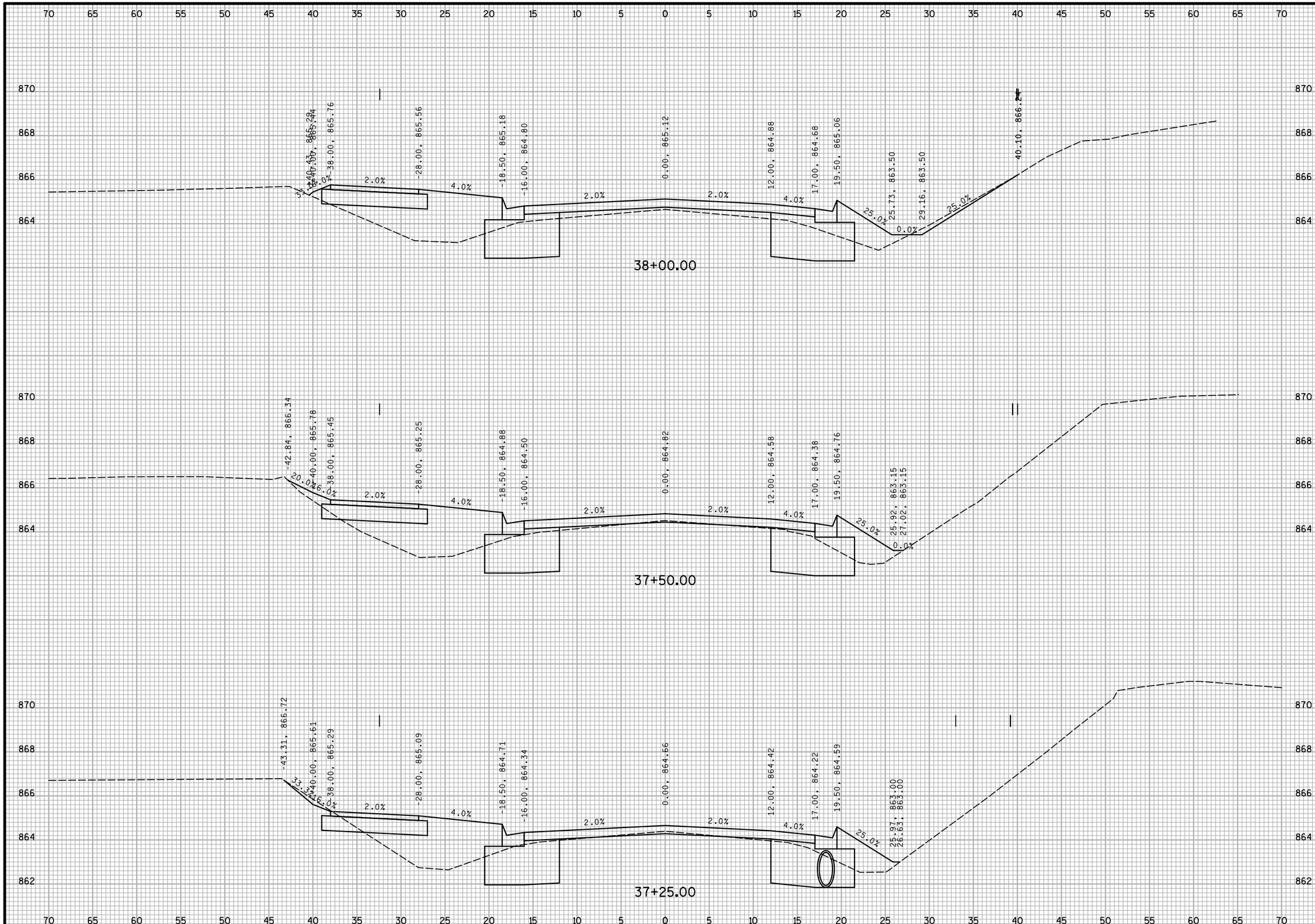

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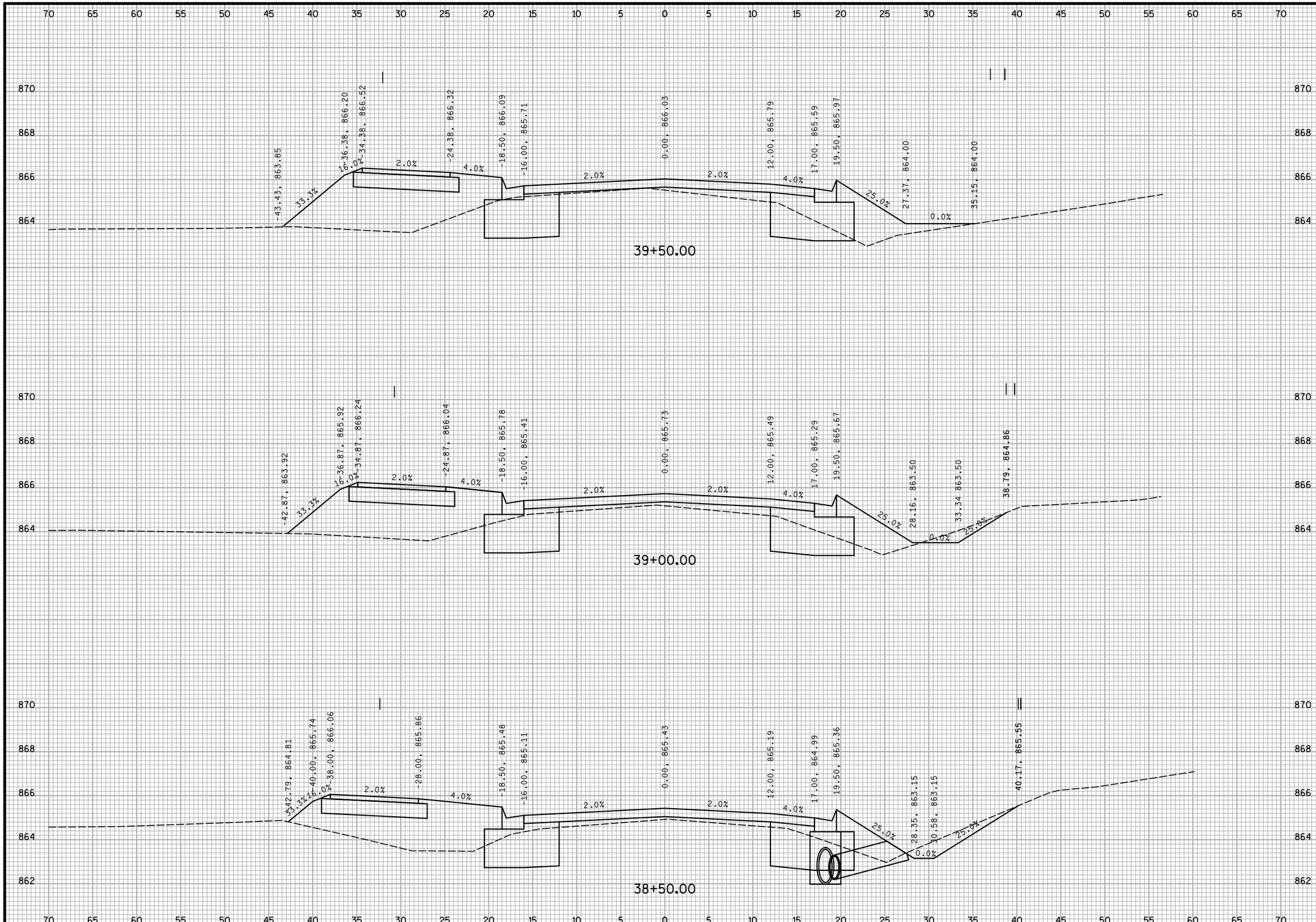

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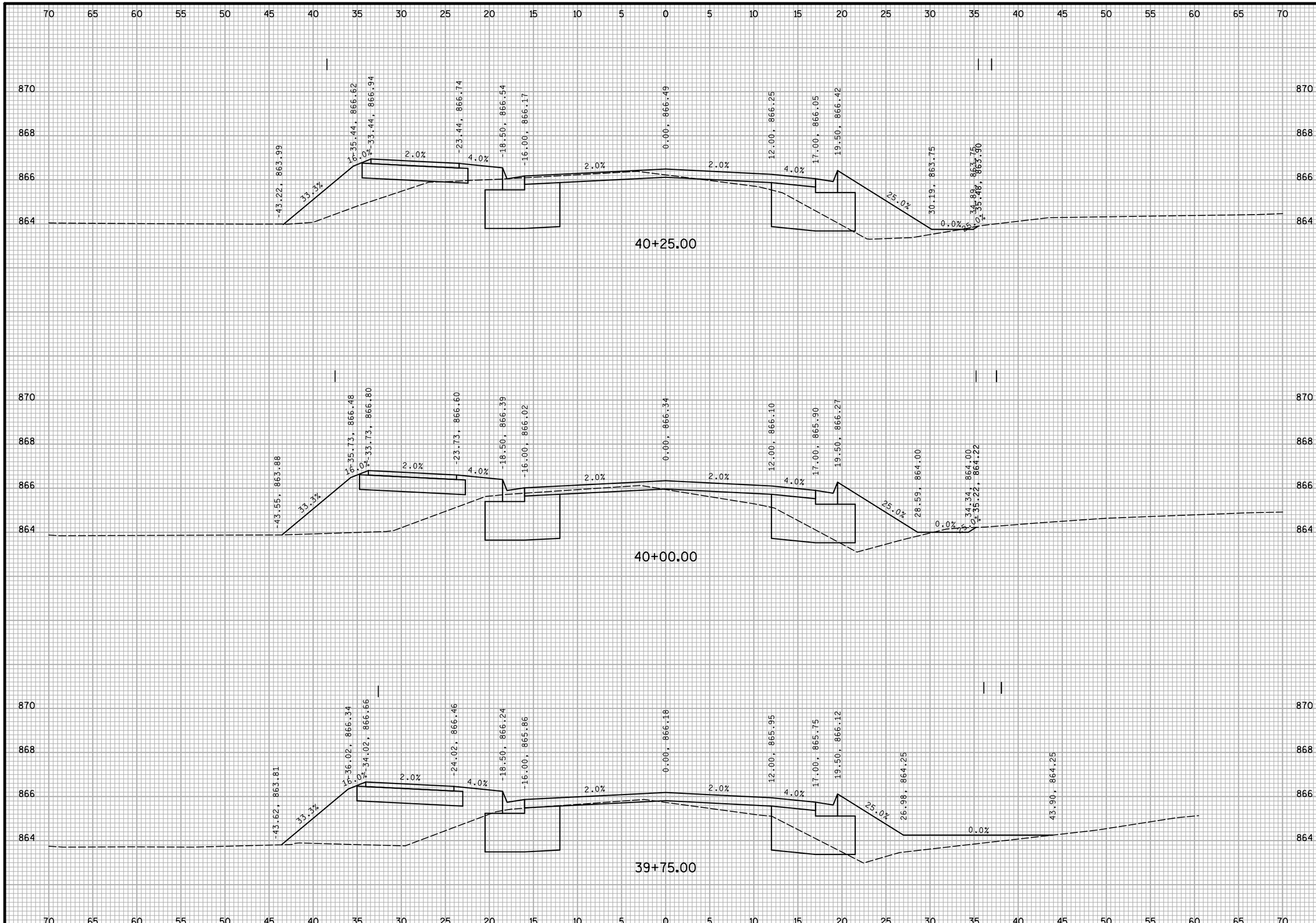

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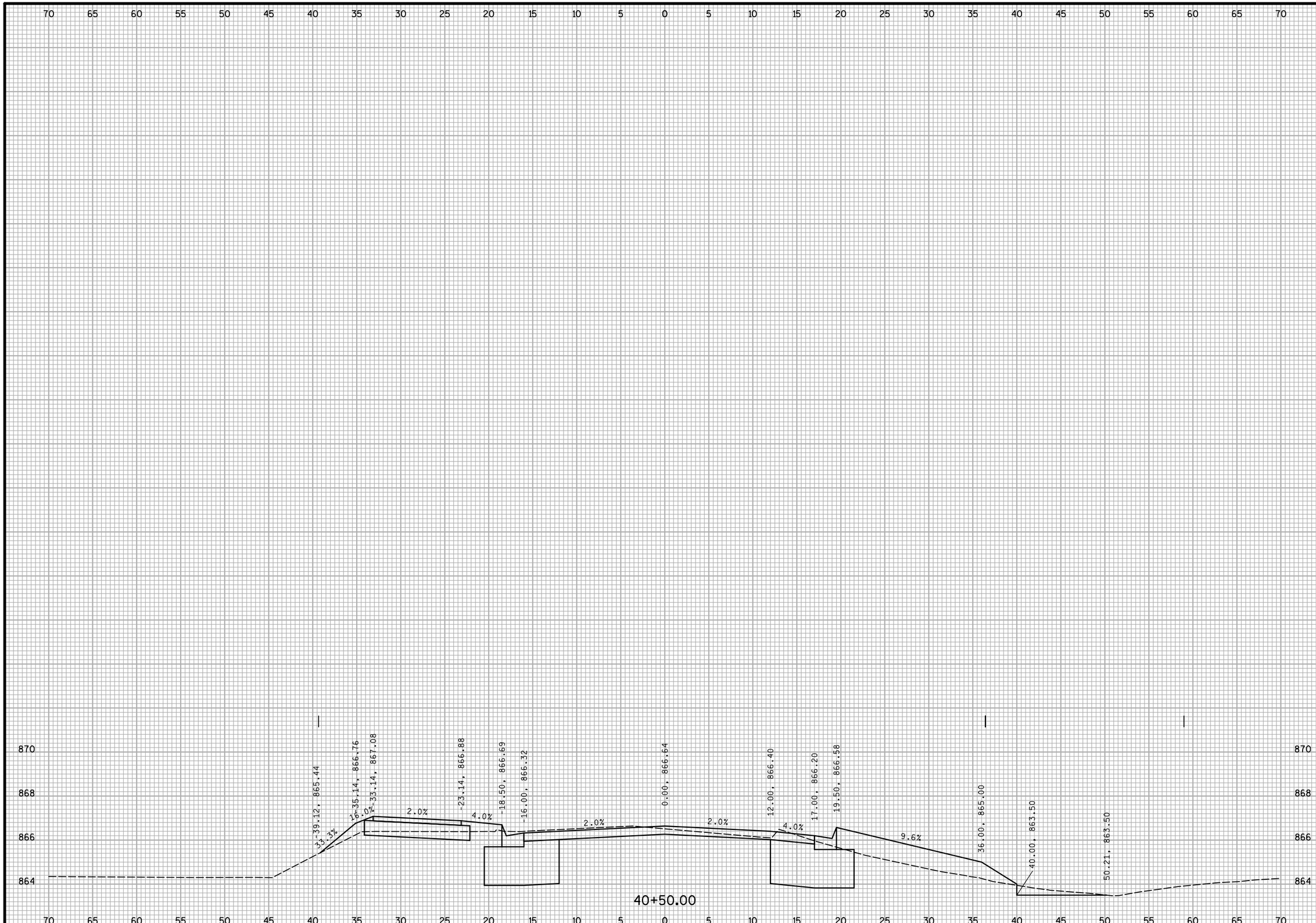

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