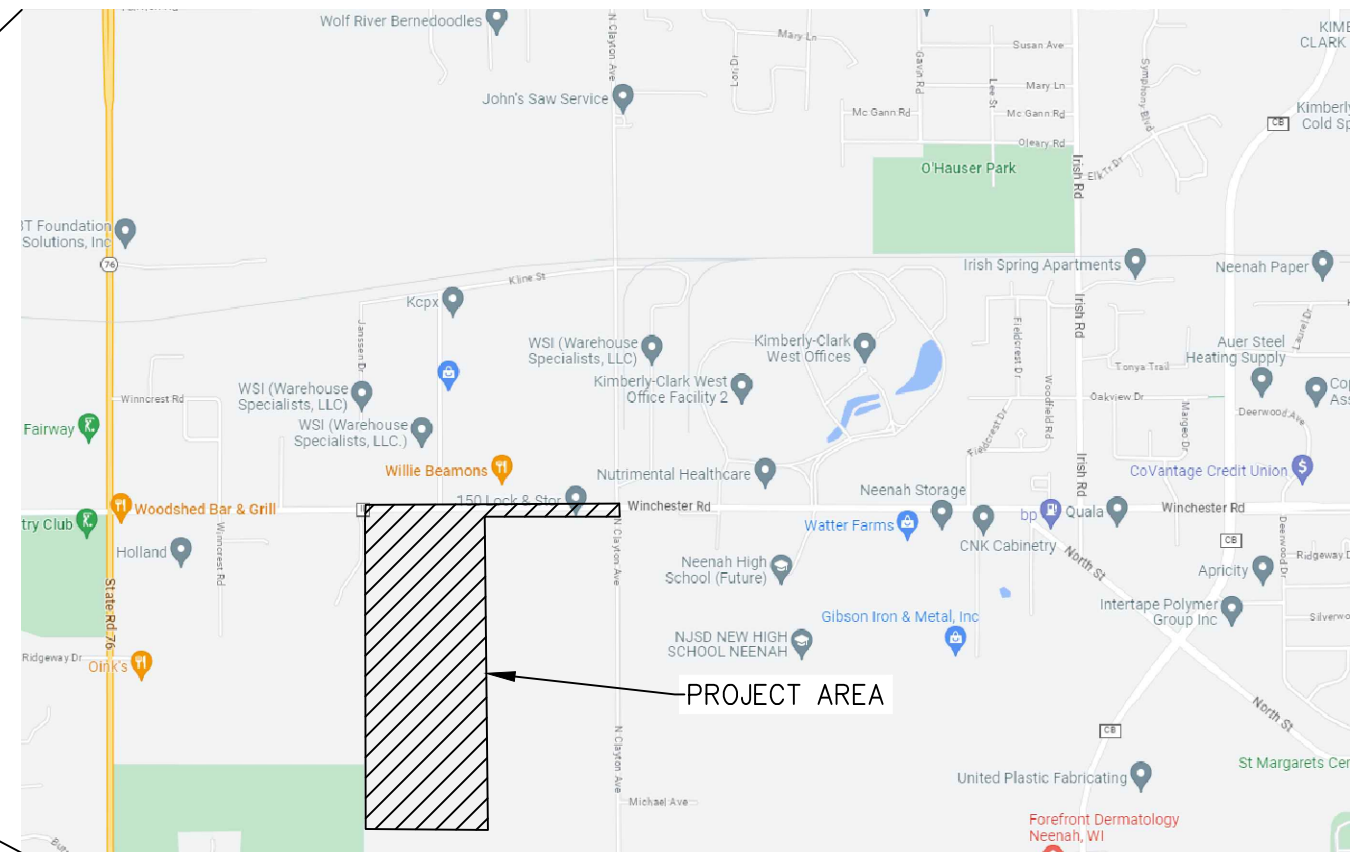
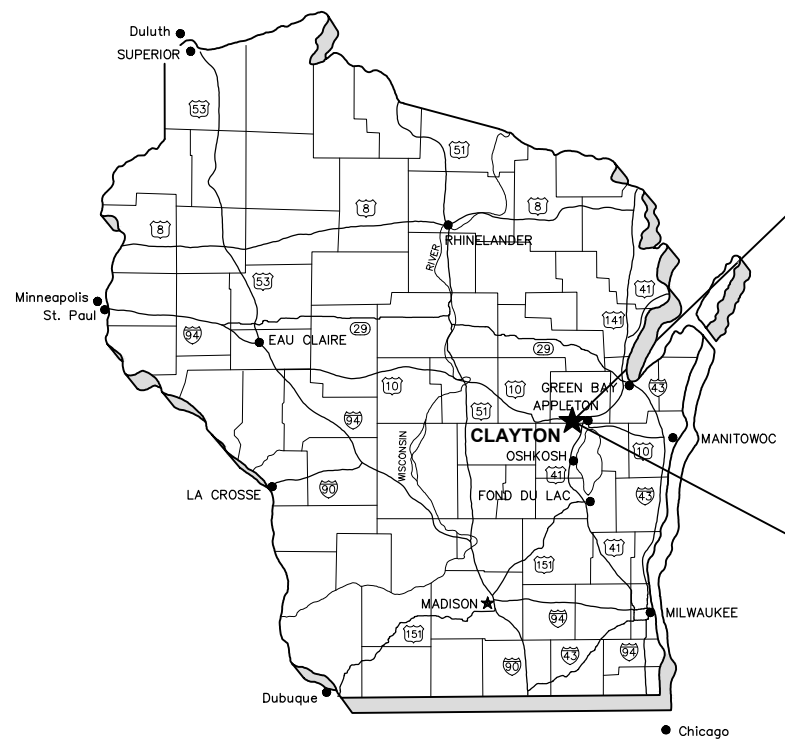


SCHOLAR RIDGE ESTATES - PHASE 1 UTILITY & ROAD CONSTRUCTION TOWN OF CLAYTON

WINNEBAGO COUNTY, WISCONSIN
MCM # C1069-09-23-00271



DESIGN CONTACT

McMAHON ASSOCIATES, INC.
ZACH LAABS
1445 McMAHON DRIVE
NEENAH, WI 54956
(920) 751-4200
zlaabs@mcmgrp.com

SHEET INDEX

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DATE
JUNE, 2023
PROJECT NO.
C1069-09-23-00271

zlaabs - WI PROJECTS \C1069-09-23-00271\CADD\Civil\3D\Plan_Sheets\Cover-Notes-Details.dwg, 2/2/2023 7:44 AM, xref:none

STANDARD ABBREVIATIONS

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| AC | AGG | AH | ASPH | AVG | B-B | BEG | BIT | BK | B/L | BLDG | BM | BOC | BRG | C-C | CY | C&G | CB | CE | CHD | C/L | CL | CMO | CO | CONC | CORR | CP | CR | CS | CSW | CTH | CULV | D | DI | DIA | DIS | EA | EB | EBS | EG | ELEV | ELEC | EMB | EMAT | ENT | EOR | EP | EXC | EX | EW | F-F | FDN | FE | FERT | FG | F/L | FT | FTG | GRAV | GN | GV | HDPE | HE | HMA | HP | HT | HYD | ID | IN | INL | INV | IP | JCT | LB | LF | LP | LT | LVC | MAINT | MAT'L | MAX | MIN | MH | MP | NB | NOR | NO | NOR | OD | OBLIT | PAVT | PC | PCC | PE | PED | PGL | PI | P/L | PLE | PP | PRC | PROP | PSD | PSI | PT | PVC | PVI | PVT | R | RCP | RD | REBAR | REM | RECON | REQ'D | R/L | RP | RR | RT | R/W | SY | SALV | SAN | SEC | SHLDR | S/L | SQ | STA | STD | STO | SW | TC | TEL | TEMP | TLE | TV | TYP | UG | USH | VAR | VC | VERT | WB | WM | WV | LEFT | LENGTH OF VERTICAL CURVE | MAINTENANCE | MATERIAL | MAXIMUM | MINIMUM | MANHOLE | MILE POST | NORTHBOUND | NUMBER | NORMAL | OUTSIDE DIAMETER | OBLITERATE | PAVEMENT | POINT OF CURVATURE | PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVATURE | PRIVATE ENTRANCE | PEDESTAL | PROFILE GRADE LINE | POINT OF INTERSECTION | PROPERTY LINE | PERMANENT LIMITED EASEMENT | POWER POLE | POINT OF REVERSE CURVATURE | PROPOSED | PASSING SIGHT DISTANCE | POUNDS PER SQUARE INCH | POINT OF TANGENCY | POLYVINYL CHLORIDE OR POLYVINYL CHLORIDE | POINT OF VERTICAL CURVATURE | POINT OF VERTICAL INTERSECTION | POINT OF VERTICAL TANGENCY | RADIUS | REINFORCED CONCRETE PIPE | ROAD | REINFORCEMENT ROD | REMOVE | RECONSTRUCT | REQUIRED | REFERENCE LINE | RADIUS POINT | RAILROAD | RIGHT | RIGHT-OF-WAY | SOUTHBOUND | SUPERELEVATION | SQUARE FEET | SLOPE INTERCEPT | STATE TRUNK HIGHWAY | SQUARE YARD | SALVAGED | SANITARY SECTION | SHOULDER | SURVEY LINE | SQUARE | STATION | STANDARD | STORM | SIDEWALK | TOP OF CURB | TELEPHONE | TEMPORARY | TEMPORARY LIMITED EASEMENT | TELEVISION | TYPICAL | UNDERGROUND | U.S. HIGHWAY | VARIES | VERTICAL CURVE | VERTICAL | WESTBOUND | WATER MAIN | WATER VALVE |
|----|-----|----|------|-----|-----|-----|-----|----|-----|------|----|-----|-----|-----|----|-----|----|----|-----|-----|----|-----|----|------|------|----|----|----|-----|-----|------|---|----|-----|-----|----|----|-----|----|------|------|-----|------|-----|-----|----|-----|----|----|-----|-----|----|------|----|-----|----|-----|------|----|----|------|----|-----|----|----|-----|----|----|-----|-----|----|-----|----|----|----|----|-----|-------|-------|-----|-----|----|----|----|-----|----|-----|----|-------|------|----|-----|----|-----|-----|----|-----|-----|----|-----|------|-----|-----|----|-----|-----|-----|---|-----|----|-------|-----|-------|-------|-----|----|----|----|-----|----|------|-----|-----|-------|-----|----|-----|-----|-----|----|----|-----|------|-----|----|-----|----|-----|-----|----|------|----|----|----|------|--------------------------|-------------|----------|---------|---------|---------|-----------|------------|--------|--------|------------------|------------|----------|--------------------|---|------------------|----------|--------------------|-----------------------|---------------|----------------------------|------------|----------------------------|----------|------------------------|------------------------|-------------------|--|-----------------------------|--------------------------------|----------------------------|--------|--------------------------|------|-------------------|--------|-------------|----------|----------------|--------------|----------|-------|--------------|------------|----------------|-------------|-----------------|---------------------|-------------|----------|------------------|----------|-------------|--------|---------|----------|-------|----------|-------------|-----------|-----------|----------------------------|------------|---------|-------------|--------------|--------|----------------|----------|-----------|------------|-------------|

GENERAL NOTES

- THE UTILITIES SHOWN IN PLAN AND PROFILE ARE INDICATED IN ACCORDANCE WITH AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES, INCLUDING ANY PRIVATE UTILITIES, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES SHALL BE NOTIFIED 72 HRS. PRIOR TO EXCAVATION.
- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PROPOSED SITE GRADES BY FIELD CHECKING TWO (2) BENCHMARKS AND A MINIMUM OF ONE (1) SITE FEATURE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY MCMAHON OF ANY VERTICAL DISCREPANCY.
- THE PROPERTY LINES, RIGHT-OF-WAY LINES AND OTHER PROPERTY INFORMATION ON THIS DRAWING WERE DEVELOPED OR OBTAINED AS PART OF THE COUNTY GEOGRAPHIC INFORMATION SYSTEM OR THROUGH THE COUNTY PROPERTY TAX MAPPING FUNCTION. MCMAHON DOES NOT GUARANTEE THIS INFORMATION TO BE CORRECT, CURRENT OR COMPLETE. THE PROPERTY AND RIGHT-OF-WAY INFORMATION ARE INTENDED FOR USE AS A GENERAL REFERENCE AND ARE NOT INTENDED OR SUITABLE FOR SITE-SPECIFIC USES. ANY USE TO THE CONTRARY OF THE ABOVE STATED USES IS THE RESPONSIBILITY OF THE USER AND SUCH USE IS AT THE USER'S OWN RISK.
- NO TREES OR SHRUBS ARE TO BE REMOVED WITHOUT PRIOR APPROVAL FROM THE OWNER.
- A SAWED JOINT IS REQUIRED WHERE NEW HMA PAVEMENT MATCHES EXISTING ASPHALTIC CONCRETE SURFACE.
- ALL CURB RADII SHOWN ON THE PLAN SHEETS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- DIMENSIONS ARE TO THE BACK OF CURB UNLESS OTHERWISE NOTED.
- FINISHED ROAD ELEVATIONS ARE TO TOP OF ASPHALT.

STANDARD SYMBOLS (PLAN VIEW ONLY)

| | | | |
|--|---|--|---------------------------------------|
| | 2" IRON PIPE FOUND | | TELEPHONE CABLE - BURIED |
| | 1 1/4" REBAR FOUND | | ELECTRIC CABLE - BURIED |
| | 1 1/4" x 30" IRON REBAR WEIGHING 4.30 LB/LF SET | | UTILITIES - OVERHEAD |
| | 1" (1.315 OD) IRON PIPE FOUND | | FIBER OPTIC CABLE - BURIED |
| | 1" IRON PIPE SET | | GAS MAIN |
| | 3/4" IRON REBAR FOUND | | CABLE TELEVISION - BURIED |
| | 3/4" IRON PIPE FOUND | | DITCH LINE |
| | 3/4" x 24" IRON REBAR WEIGHING 1.5 LB/LF SET | | STREET C/L OR R/L |
| | MAG NAIL FOUND | | PROPERTY LINE |
| | MAG NAIL SET | | RIGHT-OF-WAY LINE |
| | MAG SPIKE FOUND | | SECTION LINE |
| | MAG SPIKE SET | | EXISTING CONTOURS |
| | CHISEL CROSS FOUND | | PROPOSED CONTOURS |
| | CHISEL CROSS SET | | EXISTING FORCEMAIN SEWER |
| | COUNTY MONUMENT | | EXISTING SANITARY SEWER |
| | CONCRETE MONUMENT FOUND | | PROPOSED SANITARY SEWER |
| | CONTROL POINT HORIZONTAL | | EXISTING WATER MAIN |
| | VERTICAL BENCHMARK | | PROPOSED WATER MAIN |
| | SOIL BORING OR MONITORING WELL | | EXISTING STORM SEWER |
| | POWER POLE | | PROPOSED STORM SEWER |
| | POWER POLE W/GUY WIRE | | EXISTING CURB & GUTTER |
| | MAILBOX | | PROPOSED CURB & GUTTER |
| | SIGN | | PROPOSED REJECT CURB & GUTTER |
| | RAILROAD CROSS BUCK | | EXISTING CULVERT WITH END SECTIONS |
| | RAILROAD GATE ARM | | PROPOSED CULVERT WITH END SECTIONS |
| | RAILROAD TRACKS | | BUILDING OUTLINE |
| | LIGHT POLE | | FENCE LINE |
| | WOOD POLE | | SAW CUT REQ'D |
| | TRAFFIC SIGNAL | | SILT FENCE |
| | TRAFFIC SIGNAL MAST ARM | | GUARD RAIL |
| | CONIFEROUS TREE | | DITCH CHECK |
| | DECIDUOUS TREE | | INLET PROTECTION |
| | TREE OR BRUSH LINE | | TRACKING PAD |
| | BED ROCK (IN PROFILE VIEW) | | TURBIDITY BARRIER OR SHEET PILING |
| | HANDICAPPED PARKING STALL | | SANDBAG COFFERDAM |
| | EXISTING SPOT ELEVATION | | SLOPE INTERCEPT |
| | PROPOSED SPOT ELEVATION | | LIMITS OF DISTURBANCE |
| | DRAINAGE HIGH POINT | | ASPHALT PAVEMENT |
| | DRAINAGE DIRECTION | | CONCRETE SIDEWALK/DRIVEWAY |
| | EXISTING MANHOLE | | GRAVEL |
| | PROPOSED MANHOLE | | RIP-RAP (SIZE AS SPECIFIED) |
| | EXISTING INLET | | BRICK/PAVERS |
| | PROPOSED INLET | | PROPOSED EROSION MAT |
| | EXISTING YARD DRAIN | | PROPOSED TURF REINFORCEMENT MAT (TRM) |
| | PROPOSED YARD DRAIN | | EXISTING DELINEATED WETLANDS |
| | EXISTING CLEAN OUT | | PROPOSED ASPHALTIC DRIVEWAY |
| | PROPOSED CLEAN OUT | | |
| | EXISTING DOWNSPOUT | | |
| | PROPOSED DOWNSPOUT | | |
| | EXISTING WATER VALVE | | |
| | PROPOSED WATER VALVE | | |
| | EXISTING CURB STOP | | |
| | PROPOSED CURB STOP | | |
| | EXISTING FIRE HYDRANT | | |
| | PROPOSED FIRE HYDRANT | | |
| | PROPOSED WATER FITTING | | |
| | PROPOSED WATER REDUCER | | |
| | PROPOSED ENDCAP | | |
| | GAS VALVE | | |

EROSION & SEDIMENT CONTROL PLAN

BEST MANAGEMENT PRACTICES:

THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING, INSTALLING, MAINTAINING AND REMOVING BEST MANAGEMENT PRACTICES IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES (DNR) TECHNICAL STANDARDS. THESE STANDARDS MAY BE FOUND ON THE DNR WEBSITE AT <http://www.dnr.wi.gov/dnroff/stormwater/techstds.htm>. RIP-RAP SHALL BE IN ACCORDANCE WITH SECTION 606, WS-DOT STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION, UNTIL TECHNICAL STANDARD 1065 IS COMPLETED BY THE DNR. THE MINIMUM BEST MANAGEMENT PRACTICES SPECIFIED FOR THIS PROJECT ARE AS FOLLOWS:

- | | |
|---|---|
| <input type="checkbox"/> LAND APPLICATION OF POLYACRYLAMIDE (1050) | <input type="checkbox"/> DE-WATERING (1061) |
| <input type="checkbox"/> WATER APPLICATION OF POLYMERS (1051) | <input checked="" type="checkbox"/> DITCH CHECK (1062) |
| <input checked="" type="checkbox"/> NON-CHANNEL EROSION MAT (1052) | <input type="checkbox"/> SEDIMENT TRAP (1063) |
| <input checked="" type="checkbox"/> CHANNEL EROSION MAT (1053) | <input type="checkbox"/> SEDIMENT BASIN (1064) |
| <input type="checkbox"/> VEGETATIVE BUFFER (1054) | <input checked="" type="checkbox"/> RIP-RAP (1065) |
| <input type="checkbox"/> SEDIMENT BALE BARRIER (1055) | <input type="checkbox"/> CONSTRUCTION DIVERSION (1066) |
| <input checked="" type="checkbox"/> SILT FENCE (1056) | <input checked="" type="checkbox"/> GRADING PRACTICES (1067) |
| <input checked="" type="checkbox"/> TRACKING PAD & TIRE WASHING (1057) | <input checked="" type="checkbox"/> DUST CONTROL (1068) |
| <input checked="" type="checkbox"/> MULCHING (1058) | <input type="checkbox"/> TURBIDITY BARRIER (1069) |
| <input checked="" type="checkbox"/> SEEDING (1059) | <input type="checkbox"/> SILT CURTAIN (1070) |
| <input checked="" type="checkbox"/> STORM DRAIN INLET PROTECTION (1060) | <input type="checkbox"/> MANUFACTURED PERIMETER PRODUCTS (1071) |

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES AND IMPLEMENT BEST MANAGEMENT PRACTICES TO PREVENT OR REDUCE ALL OF THE FOLLOWING:

- DEPOSITION OR TRACKING OF SOIL ONTO STREETS BY VEHICLES.
- DISCHARGE OF SEDIMENT INTO STORM WATER INLETS.
- DISCHARGE OF SEDIMENT INTO ADJACENT STREAMS, RIVERS, LAKES AND WETLANDS.
- DISCHARGE OF SEDIMENT FROM DITCHES AND STORM SEWERS THAT FLOW OFFSITE.
- DISCHARGE OF SEDIMENT FROM DEWATERING ACTIVITIES.
- DISCHARGE OF SEDIMENT FROM SOIL STOCKPILES EXISTING FOR 7 DAYS OR MORE.
- DISCHARGE OF SEDIMENT FROM EROSION OUTLET FLOWS.
- TRANSPORT OF CHEMICALS, CEMENT AND BUILDING MATERIALS BY RUNOFF.
- TRANSPORT OF UNTREATED VEHICLE AND WHEEL WASH WATER BY RUNOFF.

THE CONTRACTOR SHALL IMPLEMENT THE FOLLOWING PREVENTATIVE MEASURES:

- PRESERVE EXISTING VEGETATION WHENEVER POSSIBLE.
- MINIMIZE SOIL COMPACTION AND PRESERVE TOPSOIL.
- MINIMIZE LAND DISTURBANCES ON SLOPES OF 20% OR MORE.
- MINIMIZE THE AMOUNT OF SOIL EXPOSED AT ANY ONE TIME.
- DIVERT CLEAR WATER AWAY FROM EXPOSED SOILS.
- TEMPORARILY STABILIZE EXPOSED SOILS THAT WILL NOT BE ACTIVE FOR 14 DAYS OR MORE. USE MULCHING, SEEDING, POLYACRYLAMIDE OR GRAVELING TO STABILIZE.
- PERMANENTLY STABILIZE EXPOSED SOILS AS SOON AS POSSIBLE.
- CONTRACTOR SHALL EDUCATE ITS EMPLOYEES AND SUBCONTRACTORS ABOUT PROPER SPILL PREVENTION AND RESPONSE PROCEDURES. IF A SPILL OCCURS, THE CONTRACTOR SHALL EVACUATE THE AREA AND IMMEDIATELY NOTIFY THE LOCAL MUNICIPALITY, FIRE DEPARTMENT OR 911 EMERGENCY SYSTEM. IF NO FIRE, EXPLOSION OR LIFE / HEALTH SAFETY HAZARD EXISTS, THE NEXT STEP IS TO CONTAIN THE SPILL AND PERFORM CLEANUP. USE DRY CLEANUP METHODS, NOT WET.

THE CONTRACTOR IS RESPONSIBLE FOR REPAIRING OR REPLACING BEST MANAGEMENT PRACTICES DESTROYED AS A RESULT OF CONSTRUCTION ACTIVITIES BY THE END OF THE WORK DAY. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING BEST MANAGEMENT PRACTICES TEMPORARILY REMOVED FOR CONSTRUCTION ACTIVITY AS SOON AS THOSE ACTIVITIES ARE COMPLETED. THE CONTRACTOR IS RESPONSIBLE FOR REMOVING AND DISPOSING OF TEMPORARY BEST MANAGEMENT PRACTICES AFTER CONSTRUCTION IS COMPLETE AND PERMANENT VEGETATION IS ESTABLISHED.

INSPECTION & MAINTENANCE:

THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING BEST MANAGEMENT PRACTICES WEEKLY, AND WITHIN 24 HOURS FOLLOWING A RAINFALL OF 0.5 INCHES OR GREATER. WRITTEN DOCUMENTATION OF EACH INSPECTION SHALL BE KEPT AT THE CONSTRUCTION SITE AND SHALL INCLUDE THE FOLLOWING INFORMATION: DATE, TIME, AND LOCATION OF INSPECTION; NAME OF INDIVIDUAL WHO PERFORMED THE INSPECTION; AN ASSESSMENT OF THE CONDITION OF BEST MANAGEMENT PRACTICES; A DESCRIPTION OF ANY BEST MANAGEMENT PRACTICE IMPLEMENTATION AND MAINTENANCE PERFORMED; AND A DESCRIPTION OF THE PRESENT PHASE OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES AS NECESSARY WITHIN 24 HOURS OF AN INSPECTION OR NOTIFICATION. THE CONTRACTOR IS RESPONSIBLE FOR INSPECTING, MAINTAINING, REPAIRING, OR REPLACING BEST MANAGEMENT PRACTICES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%.

THE CONTRACTOR IS RESPONSIBLE FOR POSTING THE PERMIT IN A CONSPICUOUS LOCATION ON THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR KEEPING A COPY OF THE APPROVED REPORTS, PLANS, AMENDMENTS, INSPECTION REPORTS, AND PERMITS AT THE CONSTRUCTION SITE AT ALL TIMES UNTIL ALL LAND DISTURBING CONSTRUCTION ACTIVITY IS COMPLETED AND A UNIFORM PERENNIAL VEGETATIVE COVER IS ESTABLISHED WITH A DENSITY OF AT LEAST 70%. THE CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE OWNER WHEN THE VEGETATIVE DENSITY REACHES AT LEAST 70%. THE OWNER IS RESPONSIBLE FOR TERMINATING DNR PERMIT COVERAGE.

AMENDMENTS:

THE CONTRACTOR IS RESPONSIBLE FOR AMENDING THE EROSION & SEDIMENT CONTROL PLAN IF: THERE IS A CHANGE IN CONSTRUCTION, OPERATION OR MAINTENANCE AT THE SITE WHICH HAS THE REASONABLE POTENTIAL FOR THE DISCHARGE OF POLLUTANTS; THE ACTIONS REQUIRED BY THE PLAN FAIL TO REDUCE THE IMPACTS OF POLLUTANTS CARRIED BY CONSTRUCTION SITE RUNOFF; OR IF THE DNR NOTIFIES THE APPLICANT OF CHANGES NEEDED IN THE PLAN. THE DNR AND OWNER SHALL BE NOTIFIED 5 WORKING DAYS PRIOR TO MAKING CHANGES TO THE PLAN.

PROJECTS: C:\069\092300271\CADD\Civil3D\Plan_Sheets\Cover-Notes-Details.dwg, 1:22:34-notes, Plot Date: 6/9/2023 7:44 AM, xref:stone

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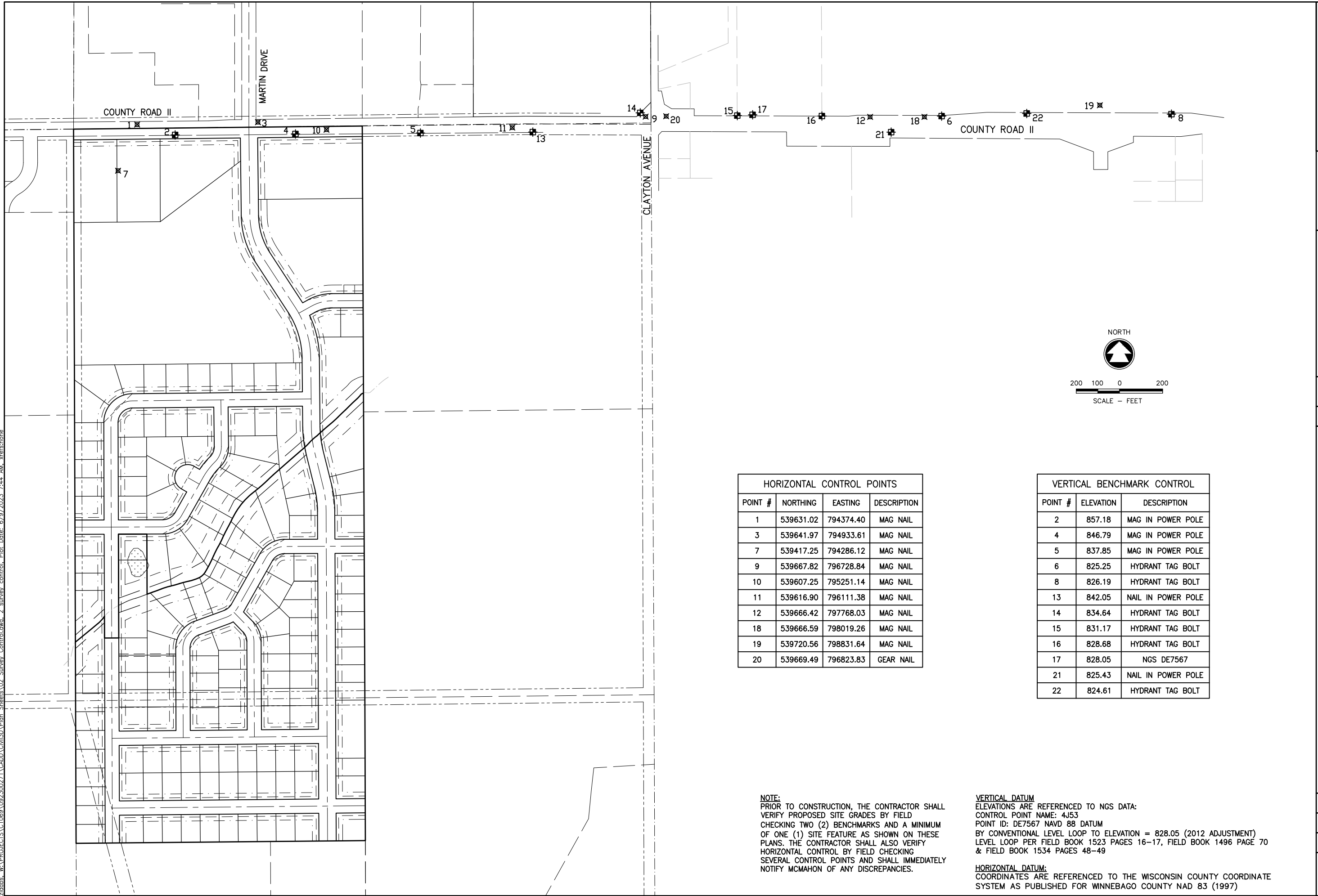
McMAHON ASSOCIATES, INC.
 1445 MCMAHON DRIVE NEENAH, WI 54956
 Mailing: P.O. BOX 1025 NEENAH, WI 54957-1025
 PH 920.751.4200 FX 920.751.4284 MCINGR-CCOM

| NO. | DATE | REVISION |
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
ABBREVIATIONS, SYMBOLS & NOTES

| | |
|----------------------------------|--------------|
| DESIGNED ZRL | DRAWN ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. 1 | |

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| HORIZONTAL CONTROL POINTS | | | |
|---------------------------|-----------|-----------|-------------|
| POINT # | NORTHING | EASTING | DESCRIPTION |
| 1 | 539631.02 | 794374.40 | MAG NAIL |
| 3 | 539641.97 | 794933.61 | MAG NAIL |
| 7 | 539417.25 | 794286.12 | MAG NAIL |
| 9 | 539667.82 | 796728.84 | MAG NAIL |
| 10 | 539607.25 | 795251.14 | MAG NAIL |
| 11 | 539616.90 | 796111.38 | MAG NAIL |
| 12 | 539666.42 | 797768.03 | MAG NAIL |
| 18 | 539666.59 | 798019.26 | MAG NAIL |
| 19 | 539720.56 | 798831.64 | MAG NAIL |
| 20 | 539669.49 | 796823.83 | GEAR NAIL |

| VERTICAL BENCHMARK CONTROL | | |
|----------------------------|-----------|--------------------|
| POINT # | ELEVATION | DESCRIPTION |
| 2 | 857.18 | MAG IN POWER POLE |
| 4 | 846.79 | MAG IN POWER POLE |
| 5 | 837.85 | MAG IN POWER POLE |
| 6 | 825.25 | HYDRANT TAG BOLT |
| 8 | 826.19 | HYDRANT TAG BOLT |
| 13 | 842.05 | NAIL IN POWER POLE |
| 14 | 834.64 | HYDRANT TAG BOLT |
| 15 | 831.17 | HYDRANT TAG BOLT |
| 16 | 828.68 | HYDRANT TAG BOLT |
| 17 | 828.05 | NGS DE7567 |
| 21 | 825.43 | NAIL IN POWER POLE |
| 22 | 824.61 | HYDRANT TAG BOLT |

NOTE:
 PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY PROPOSED SITE GRADES BY FIELD CHECKING TWO (2) BENCHMARKS AND A MINIMUM OF ONE (1) SITE FEATURE AS SHOWN ON THESE PLANS. THE CONTRACTOR SHALL ALSO VERIFY HORIZONTAL CONTROL BY FIELD CHECKING SEVERAL CONTROL POINTS AND SHALL IMMEDIATELY NOTIFY MCMAHON OF ANY DISCREPANCIES.

VERTICAL DATUM:
 ELEVATIONS ARE REFERENCED TO NGS DATA:
 CONTROL POINT NAME: 4J53
 POINT ID: DE7567 NAVD 88 DATUM
 BY CONVENTIONAL LEVEL LOOP TO ELEVATION = 828.05 (2012 ADJUSTMENT)
 LEVEL LOOP PER FIELD BOOK 1523 PAGES 16-17, FIELD BOOK 1496 PAGE 70 & FIELD BOOK 1534 PAGES 48-49

HORIZONTAL DATUM:
 COORDINATES ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM AS PUBLISHED FOR WINNEBAGO COUNTY NAD 83 (1997)

**SCHOLAR RIDGE ESTATES - PHASE 1
 TOWN OF CLAYTON
 SURVEY CONTROL**

| | |
|-------------------|-------|
| DESIGNED | DRAWN |
| ZRL | ZRL |
| PROJECT NO. | |
| C1069-09-23-00271 | |
| DATE | |
| JUNE, 2023 | |
| SHEET NO. | |

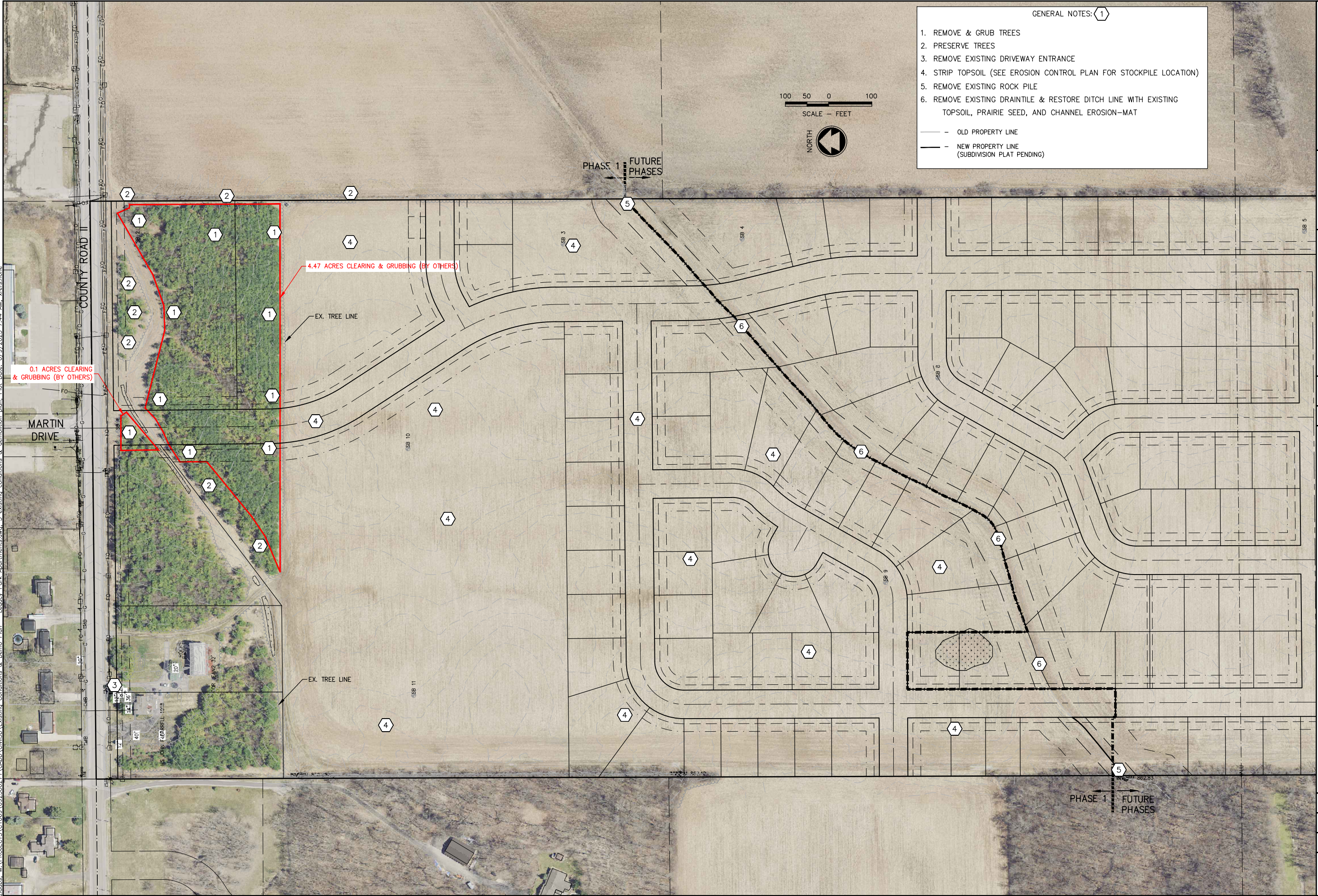
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McMAHON
 SURVEYING & ENGINEERING, INC.
 1445 MCMAHON DRIVE WEEENAH, WI 54986
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GENERAL NOTES: 1

1. REMOVE & GRUB TREES
2. PRESERVE TREES
3. REMOVE EXISTING DRIVEWAY ENTRANCE
4. STRIP TOPSOIL (SEE EROSION CONTROL PLAN FOR STOCKPILE LOCATION)
5. REMOVE EXISTING ROCK PILE
6. REMOVE EXISTING DRAINTILE & RESTORE DITCH LINE WITH EXISTING TOPSOIL, PRAIRIE SEED, AND CHANNEL EROSION-MAT

- - OLD PROPERTY LINE
- - NEW PROPERTY LINE (SUBDIVISION PLAT PENDING)

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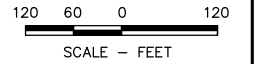
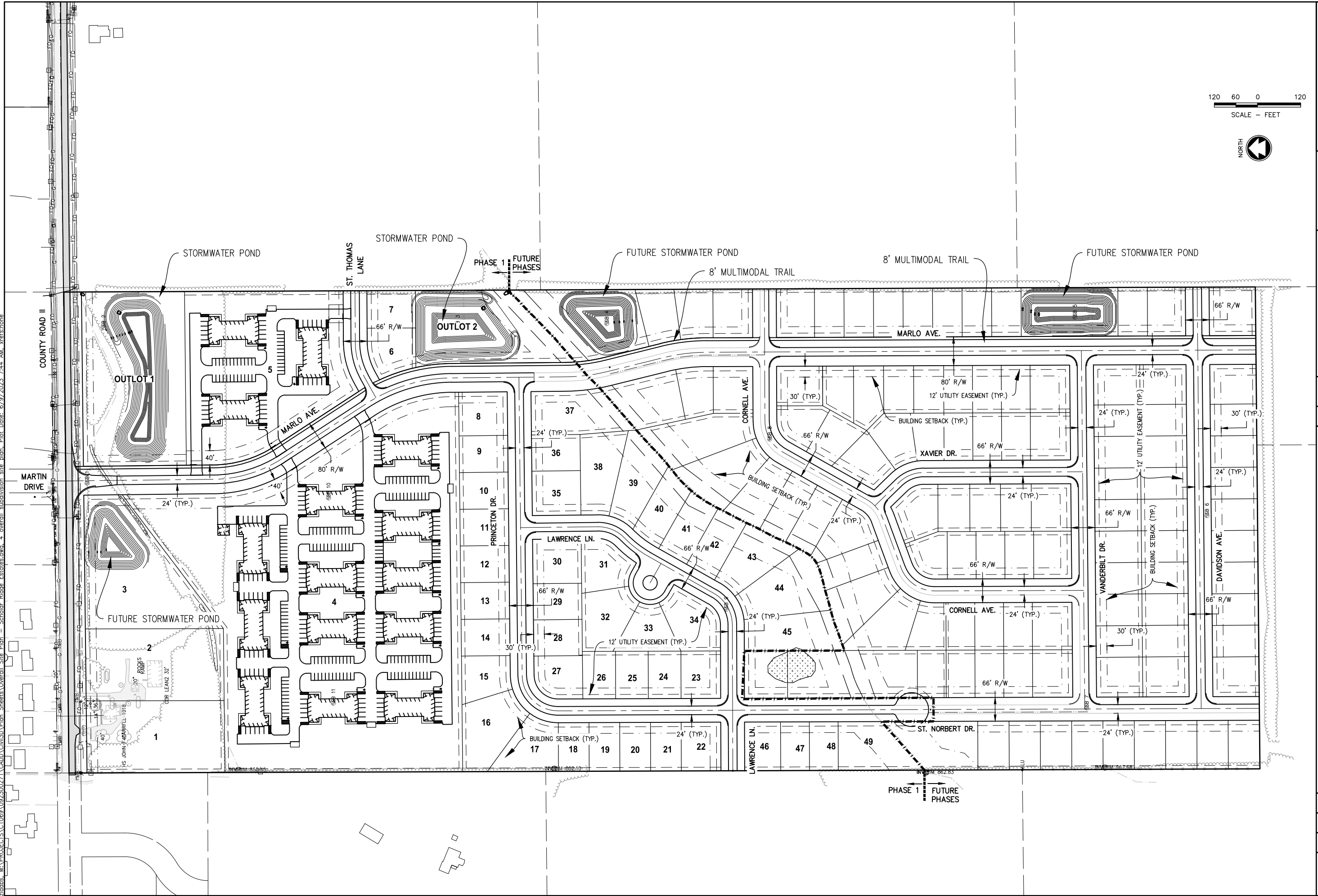
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
EXISTING CONDITIONS & DEMOLITION PLAN

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| DESIGNED ZRL | DRAWN ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. 3 | |

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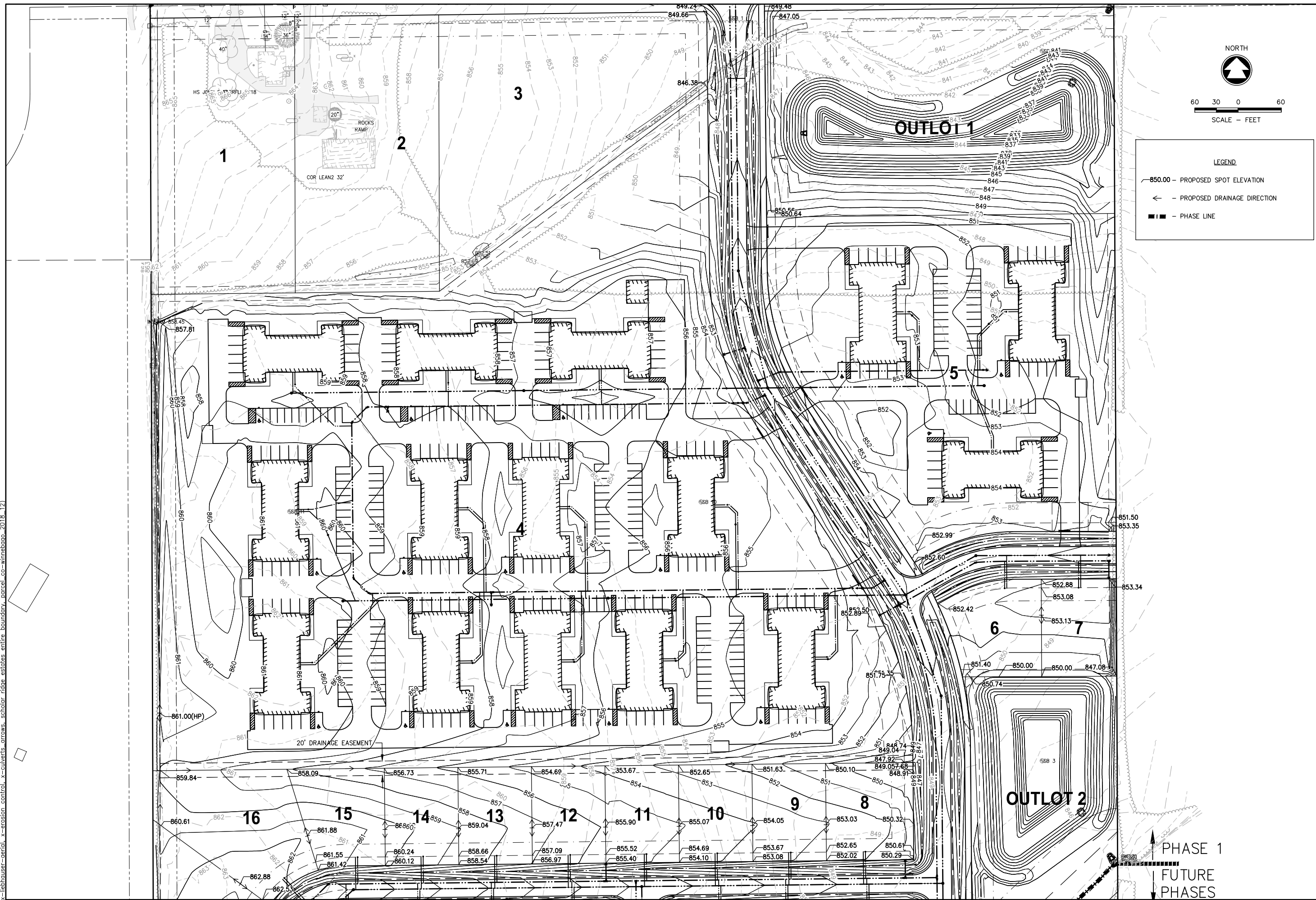
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
OVERALL SUBDIVISION SITE PLAN

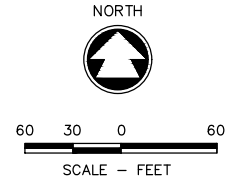
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LEGEND

- 850.00 — PROPOSED SPOT ELEVATION
- ← — PROPOSED DRAINAGE DIRECTION
- — PHASE LINE



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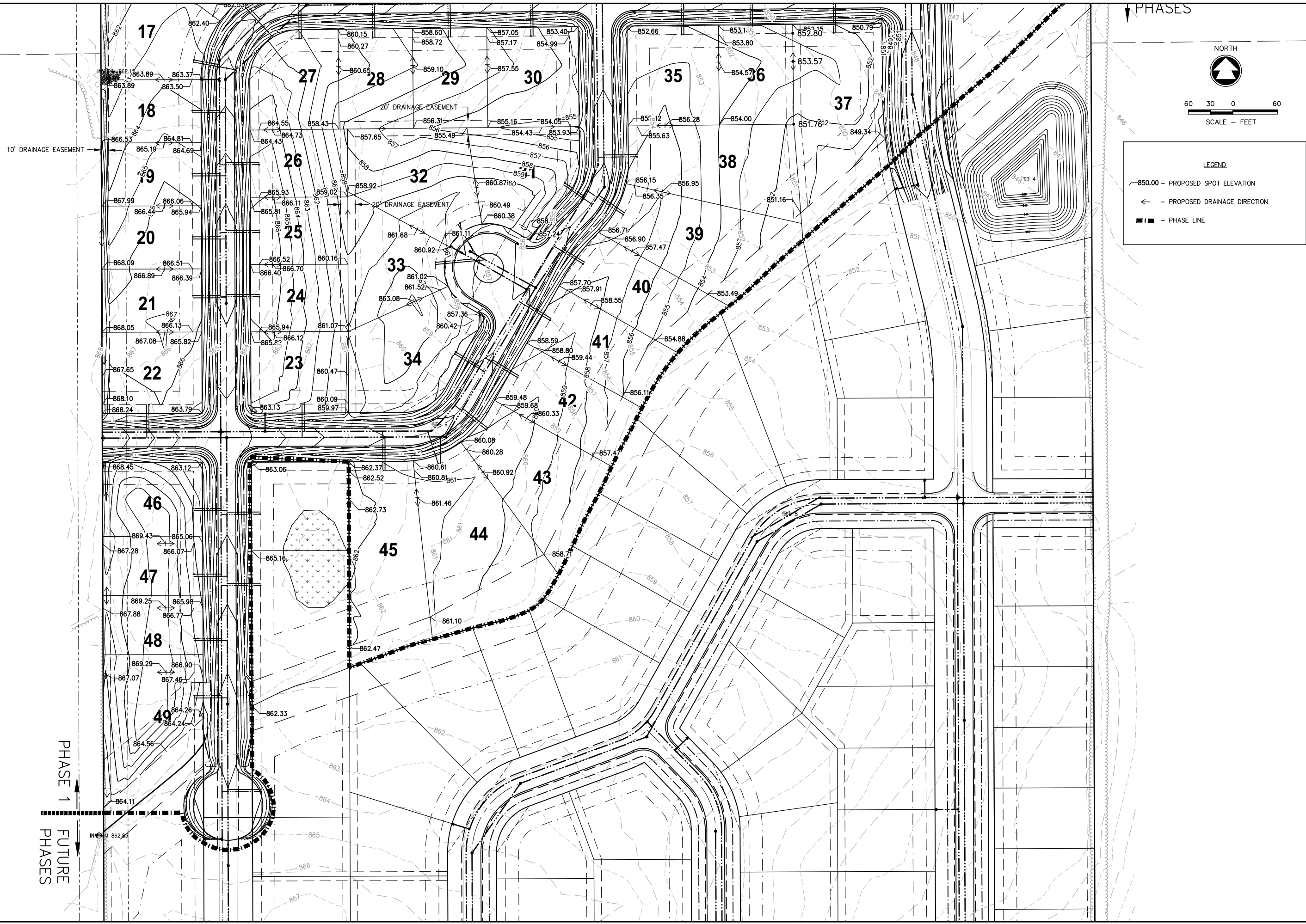
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
OVERALL DRAINAGE PLAN - NORTH

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| DESIGNED | DRAWN |
| ZRL | ZRL |
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| SHEET NO. 5 | |

PHASE 1
 FUTURE PHASES

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PHASES

NORTH

60 30 0 60

SCALE - FEET

LEGEND

- 850.00 - PROPOSED SPOT ELEVATION
- ← - PROPOSED DRAINAGE DIRECTION
- - PHASE LINE

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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
OVERALL DRAINAGE PLAN - SOUTH

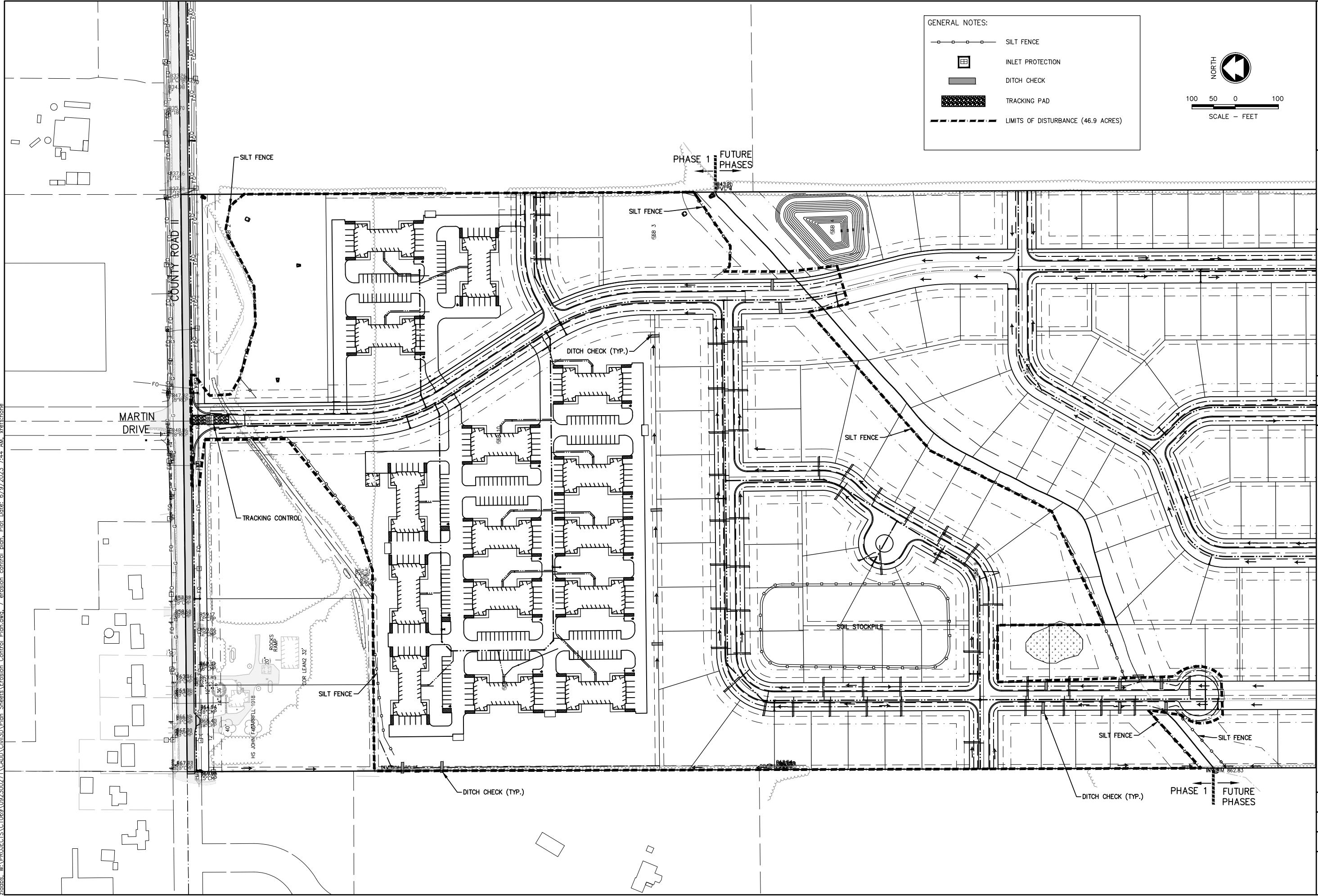
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PROJECT NO.
C1069-09-23-00271

DATE
JUNE, 2023

SHEET NO.
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GENERAL NOTES:

- SILT FENCE
- INLET PROTECTION
- DITCH CHECK
- TRACKING PAD
- LIMITS OF DISTURBANCE (46.9 ACRES)

NORTH

100 50 0 100
SCALE - FEET

**SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
EROSION CONTROL PLAN**

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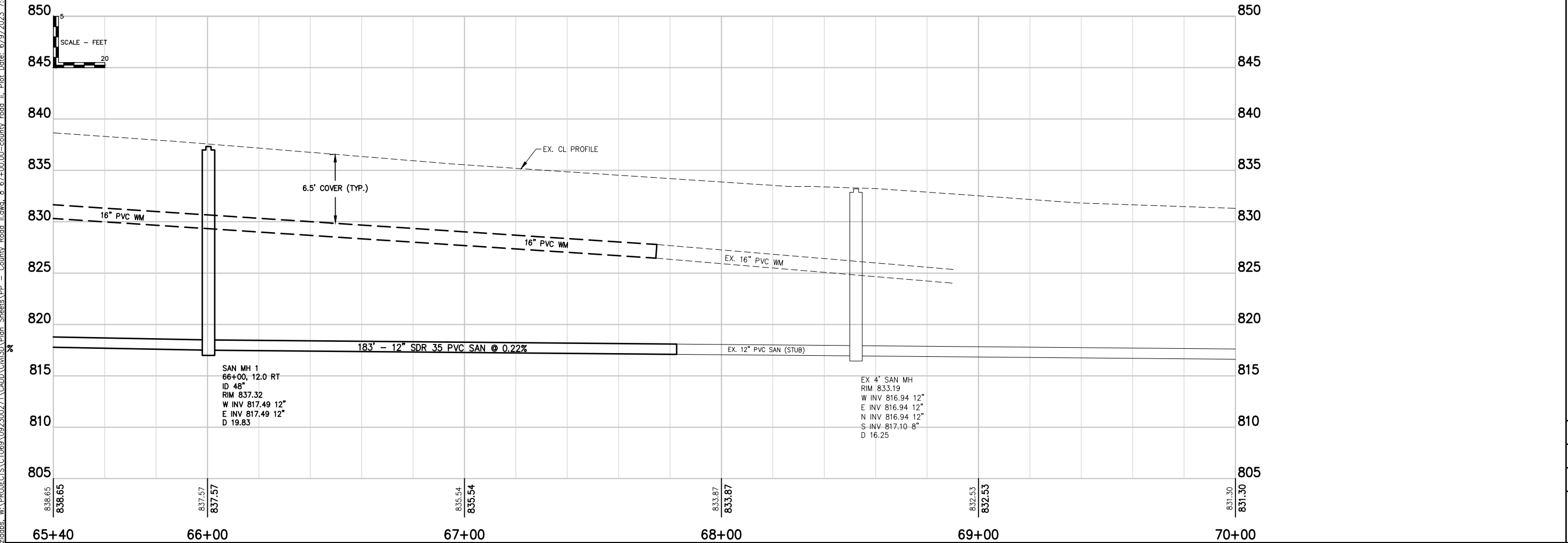
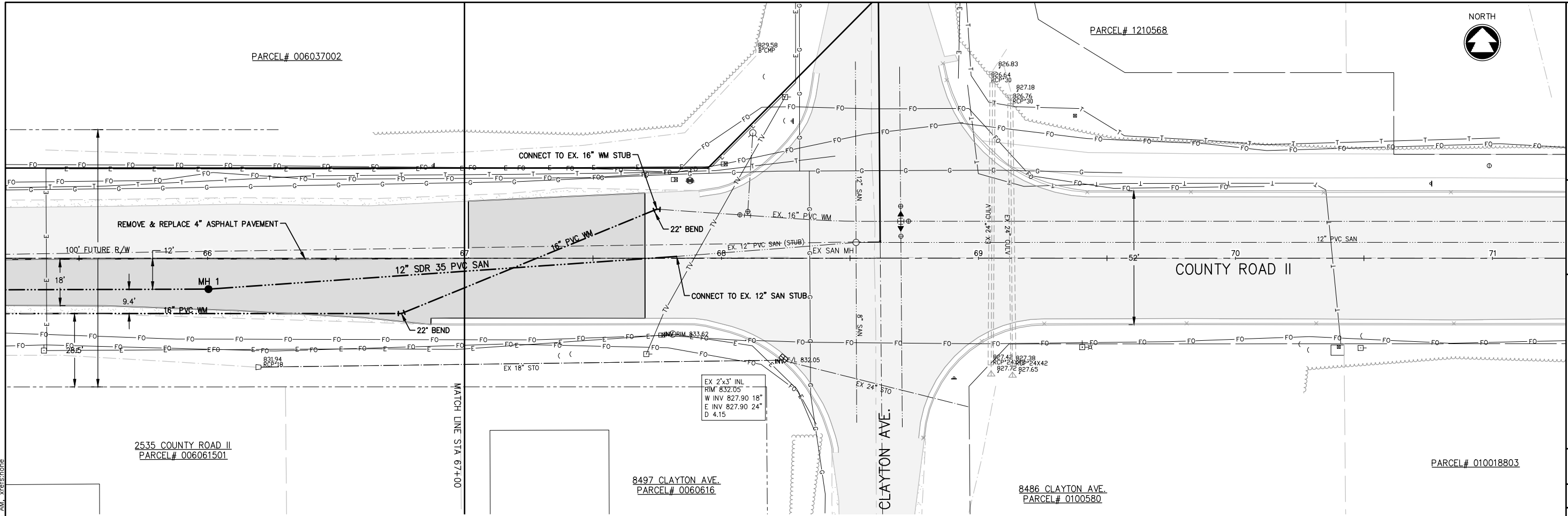
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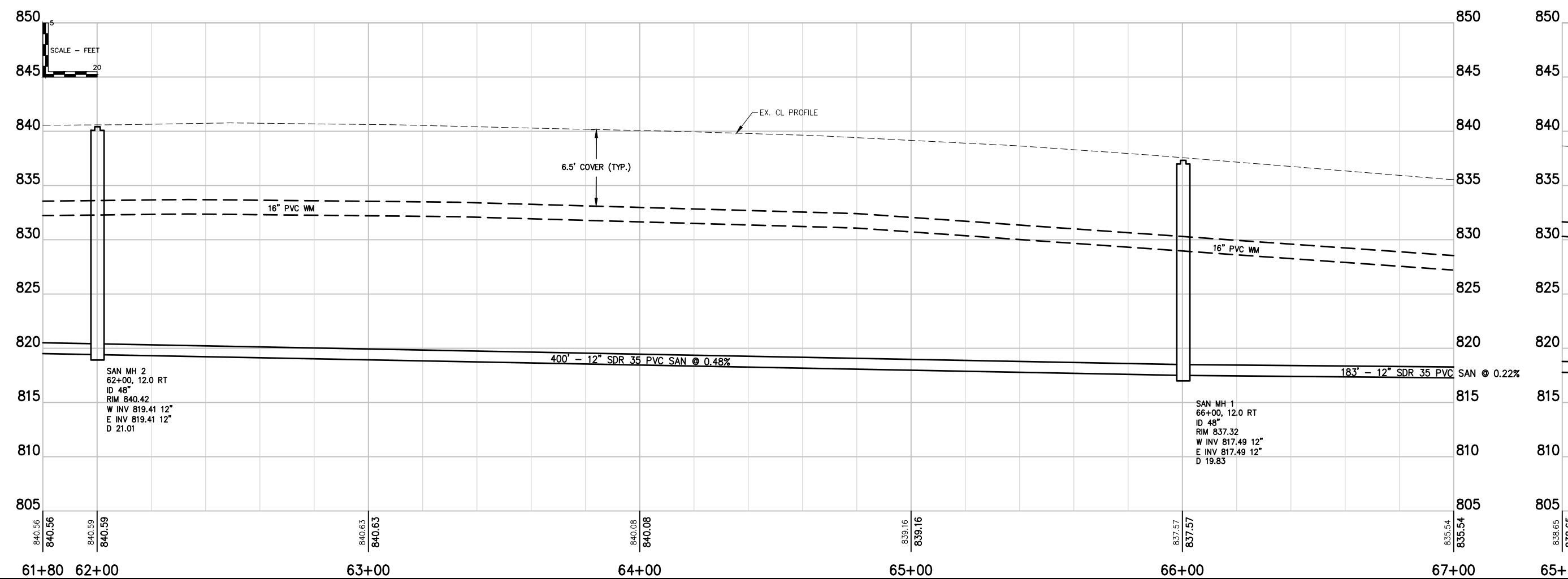
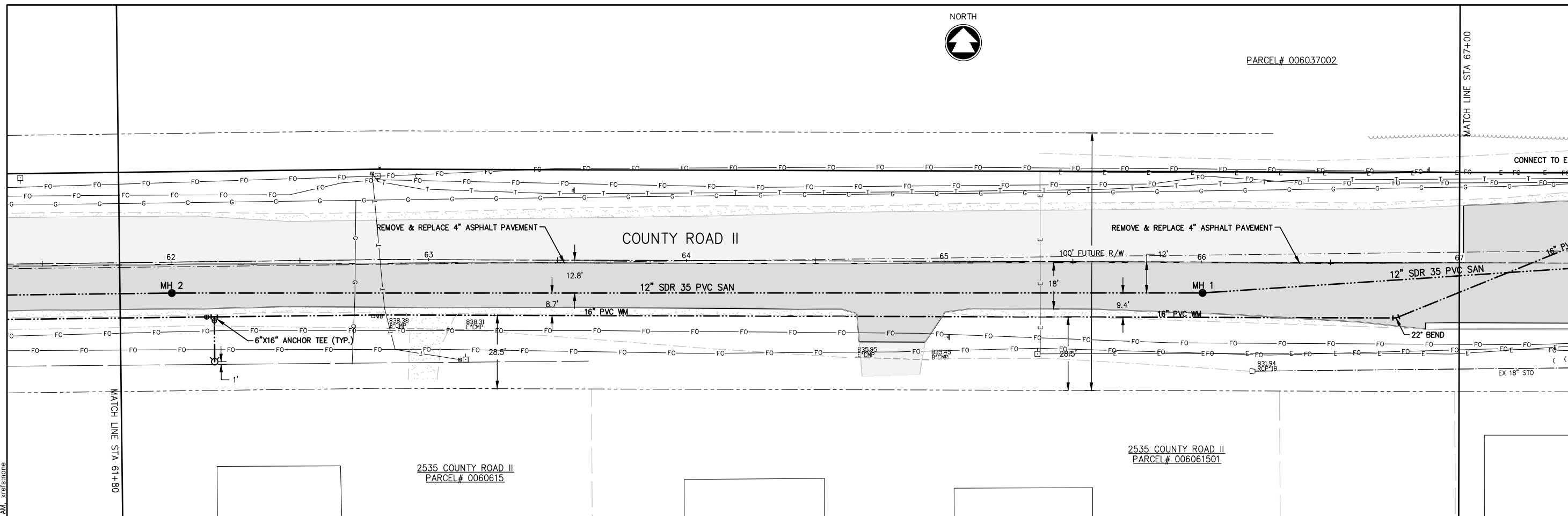
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TOWN OF CLAYTON
COUNTY ROAD II

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PARCEL # 006037002



SAN MH 2
62+00, 12.0 RT
ID 48"
RIM 840.42
W INV 819.41 12"
E INV 819.41 12"
D 21.01

SAN MH 1
66+00, 12.0 RT
ID 48"
RIM 837.32
W INV 817.49 12"
E INV 817.49 12"
D 19.83

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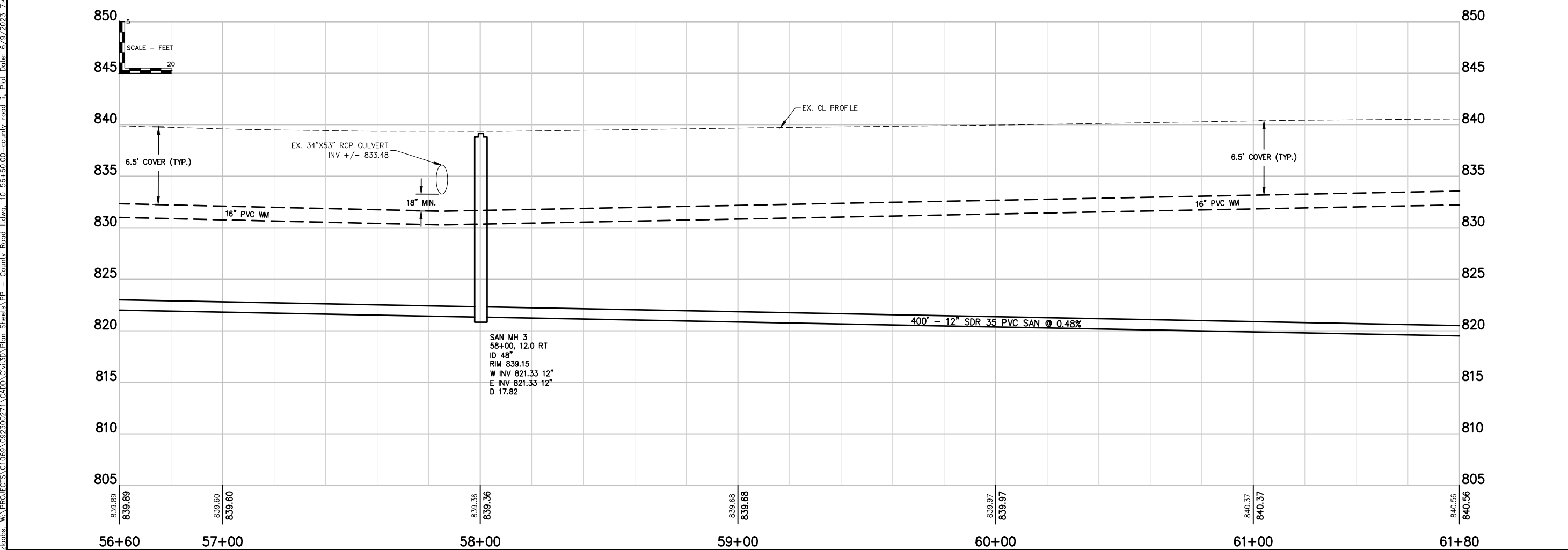
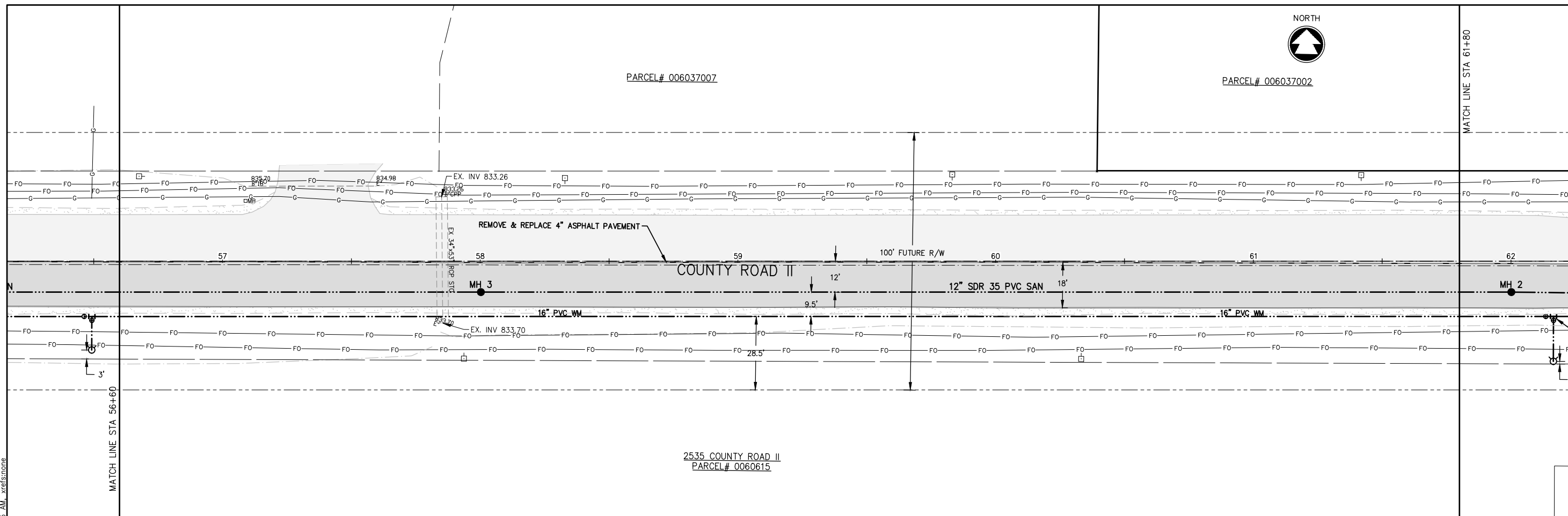
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
COUNTY ROAD II

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SAN MH 3
 58+00, 12.0 RT
 ID 48"
 RIM 839.15
 W INV 821.33 12"
 E INV 821.33 12"
 D 17.82

EX. 34"x53" RCP CULVERT
 INV +/- 833.48

NORTH

PARCEL# 006037002

MATCH LINE STA 61+80

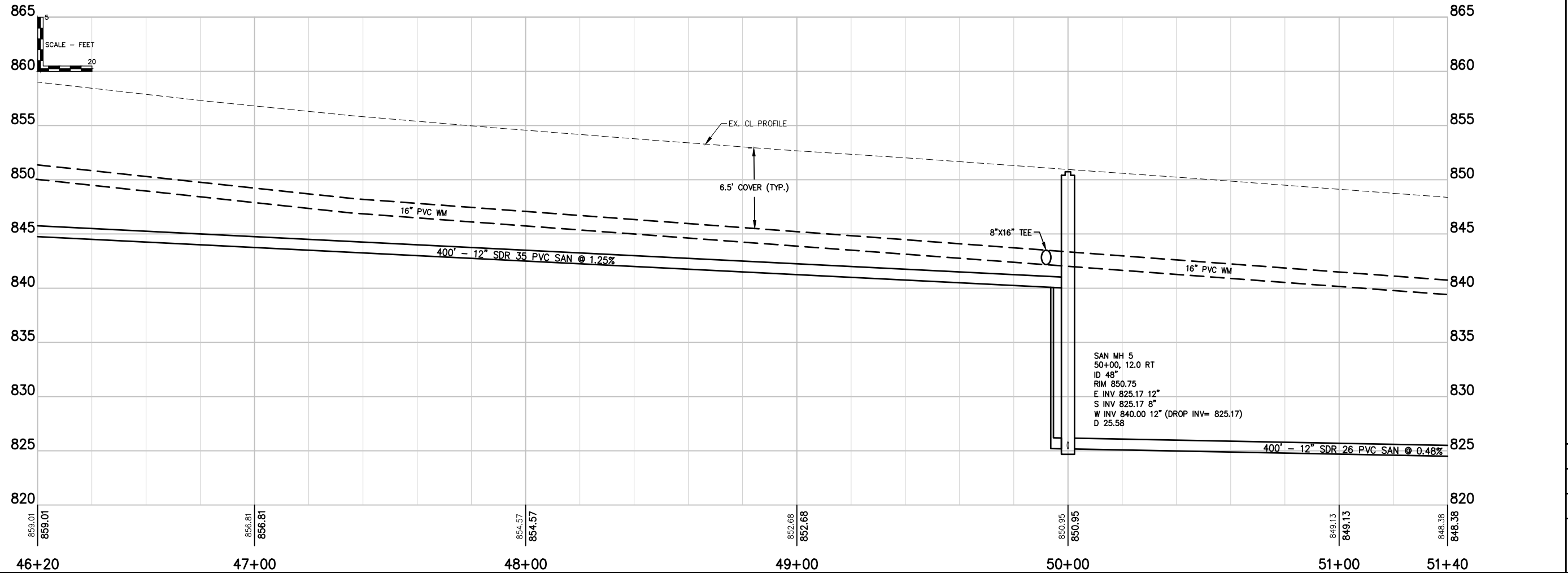
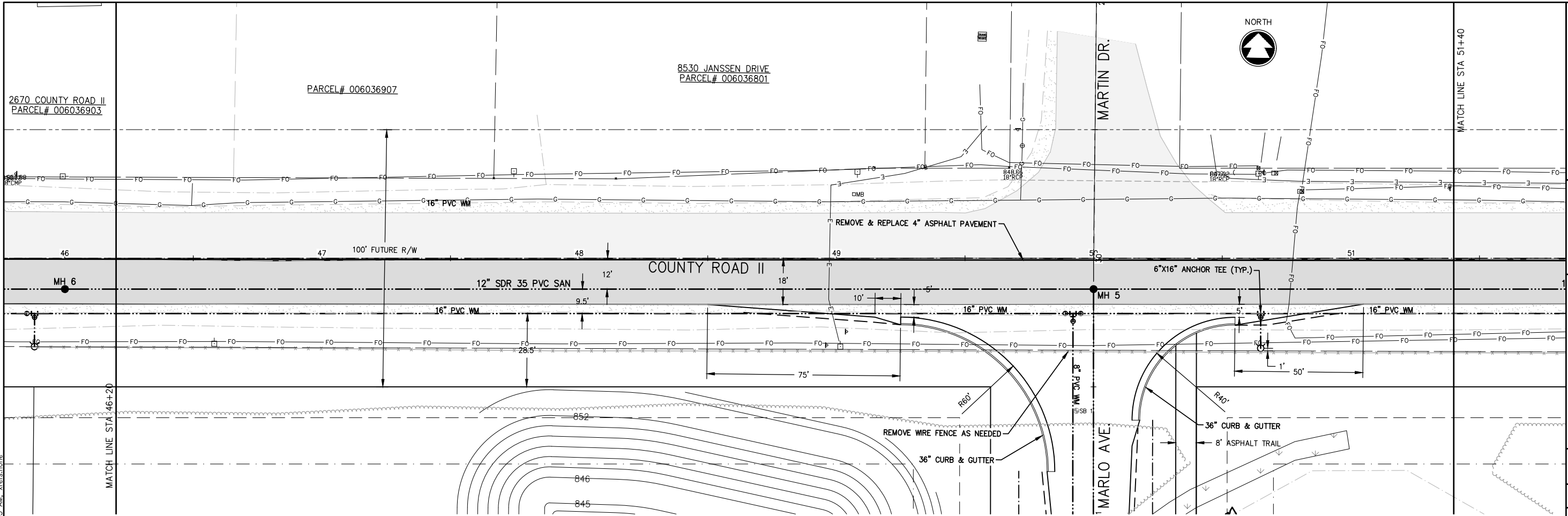
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
COUNTY ROAD II

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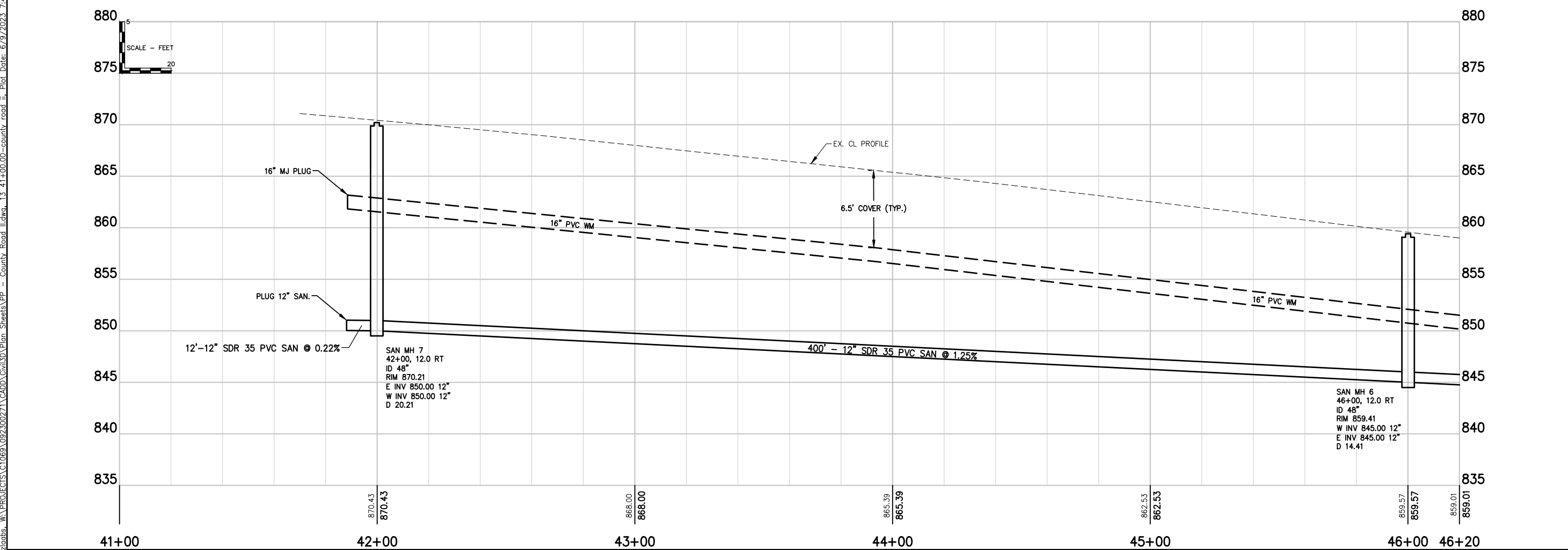
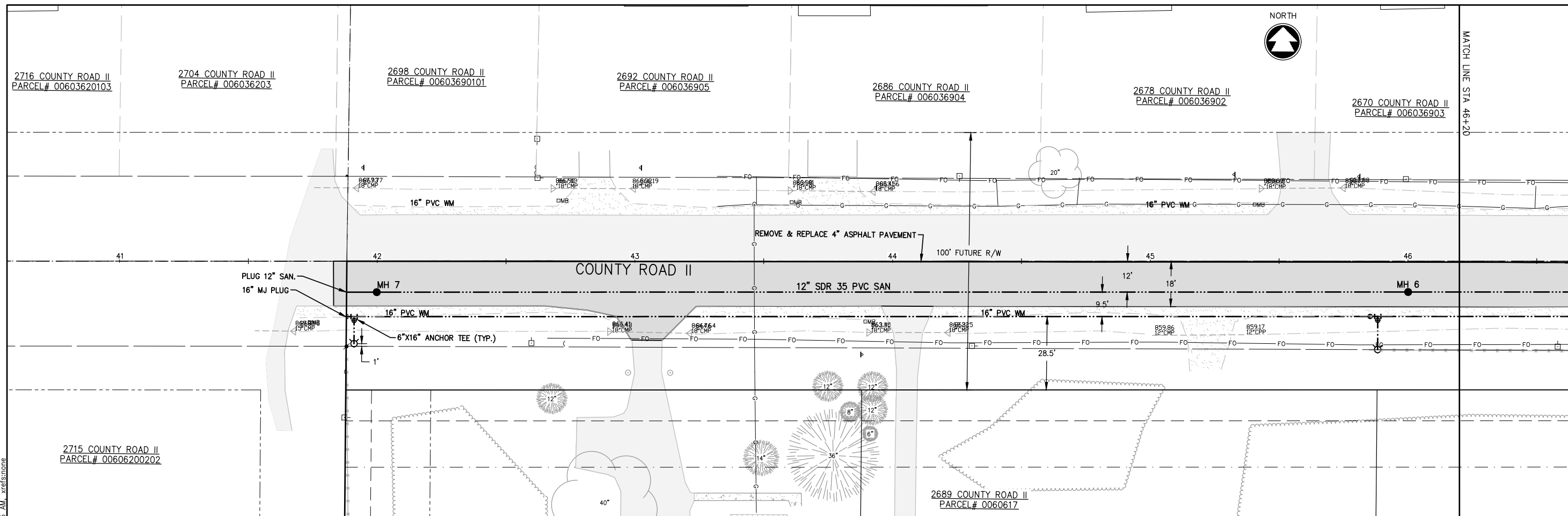
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
COUNTY ROAD II

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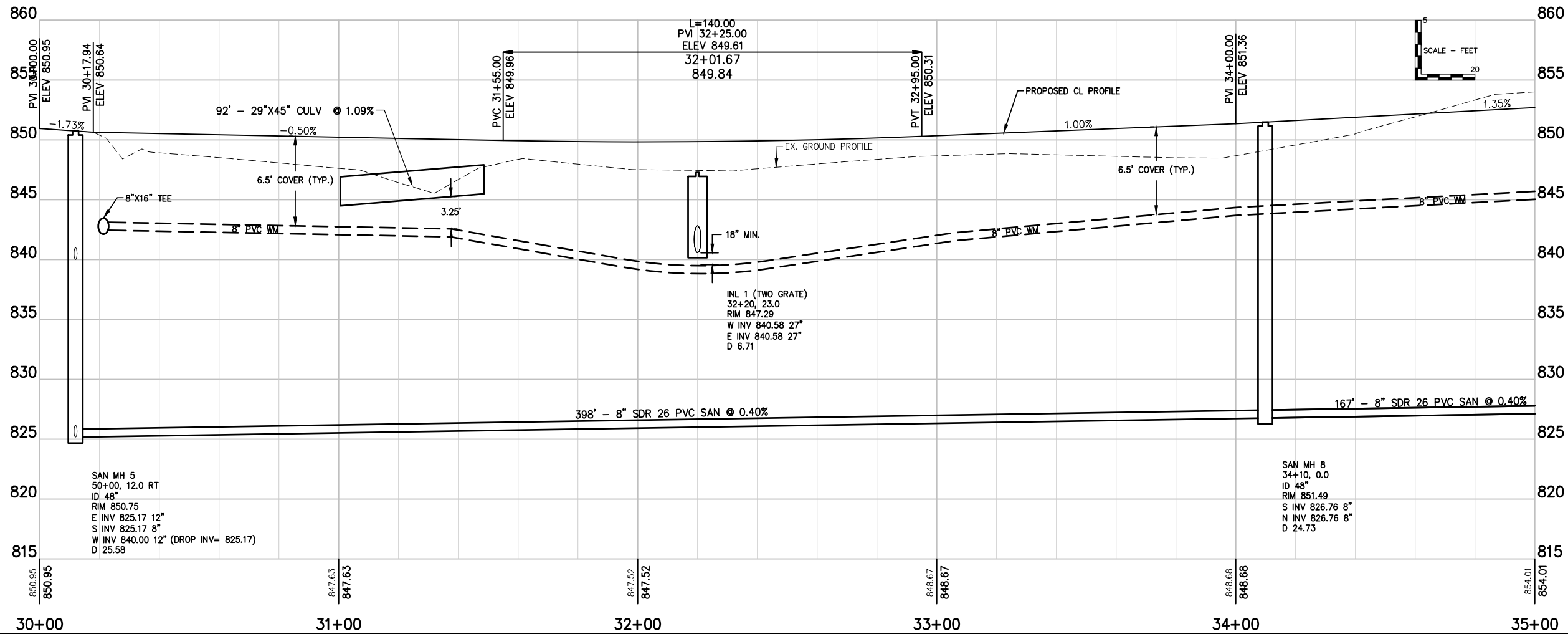
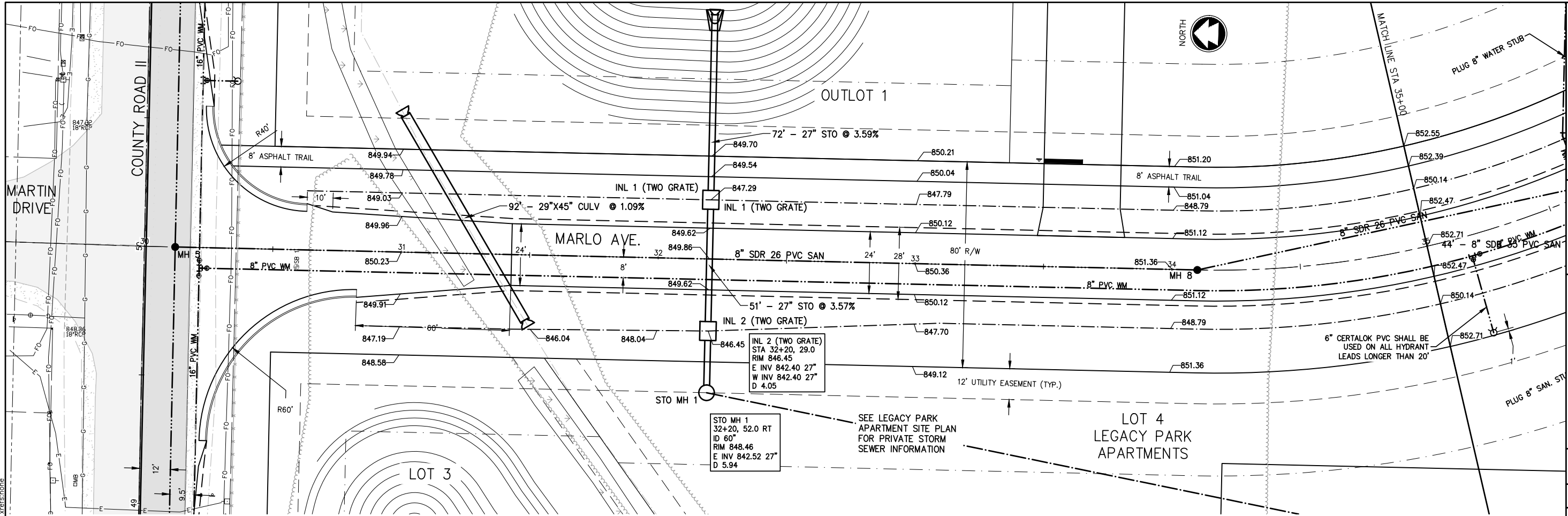
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
COUNTY ROAD II

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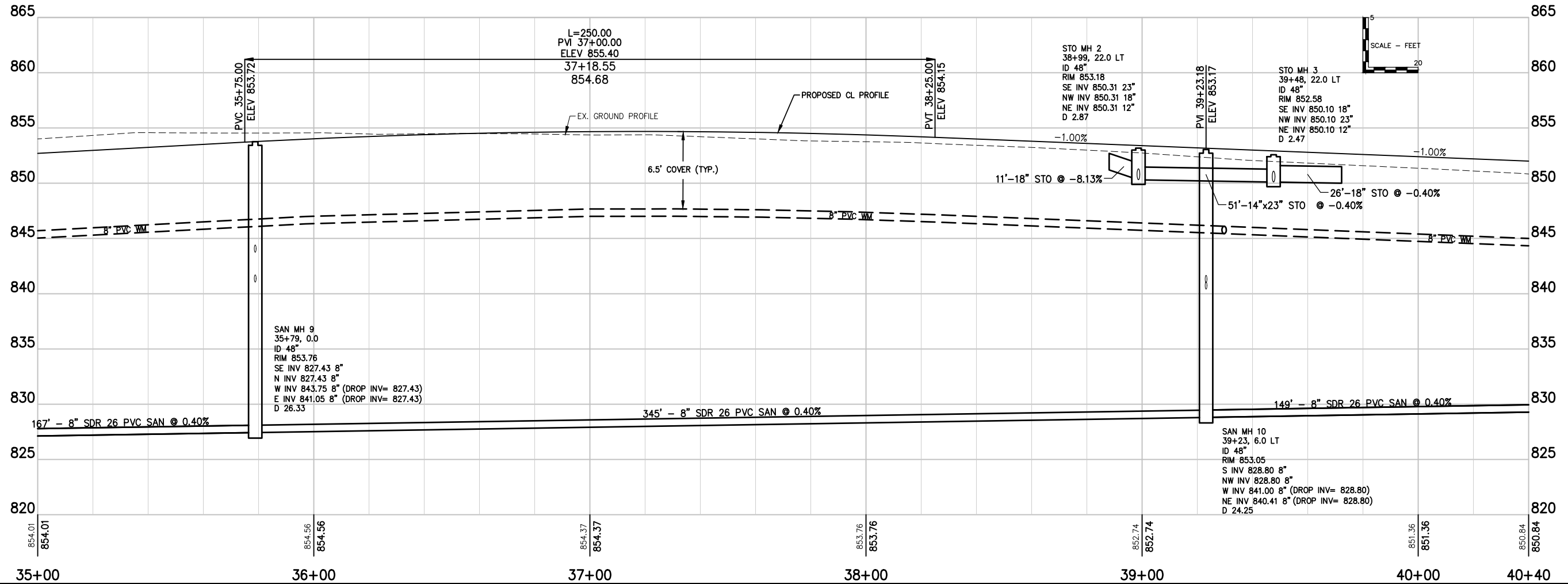
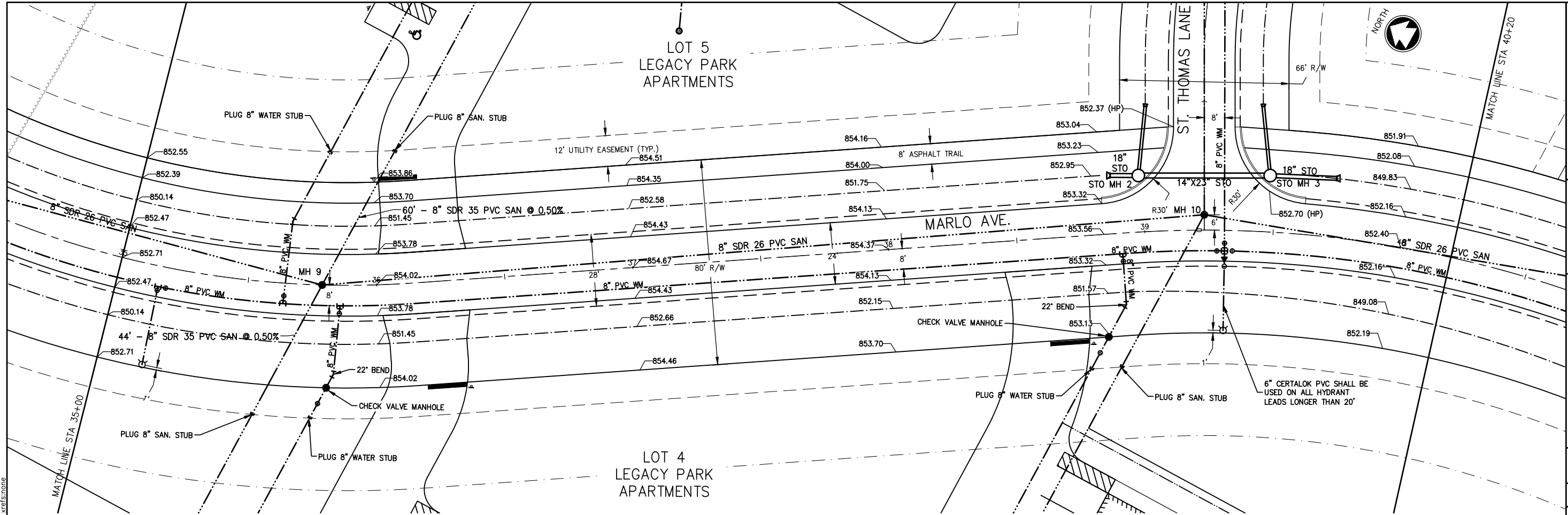
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
MARLO AVENUE

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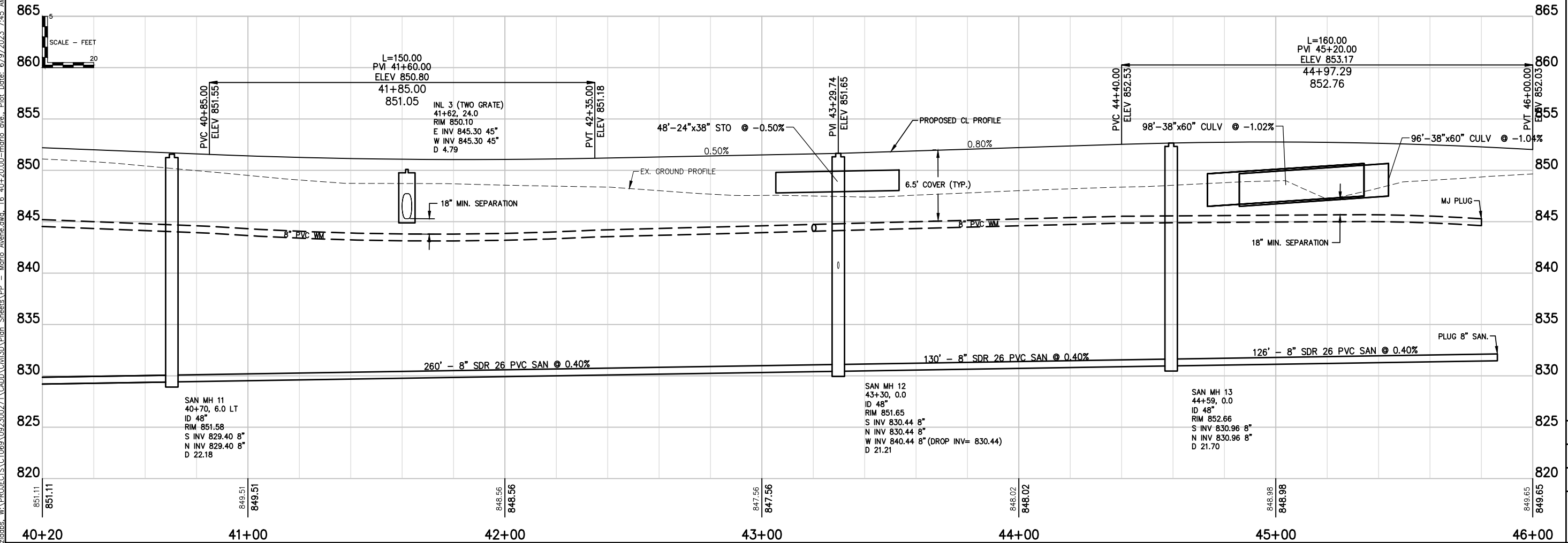
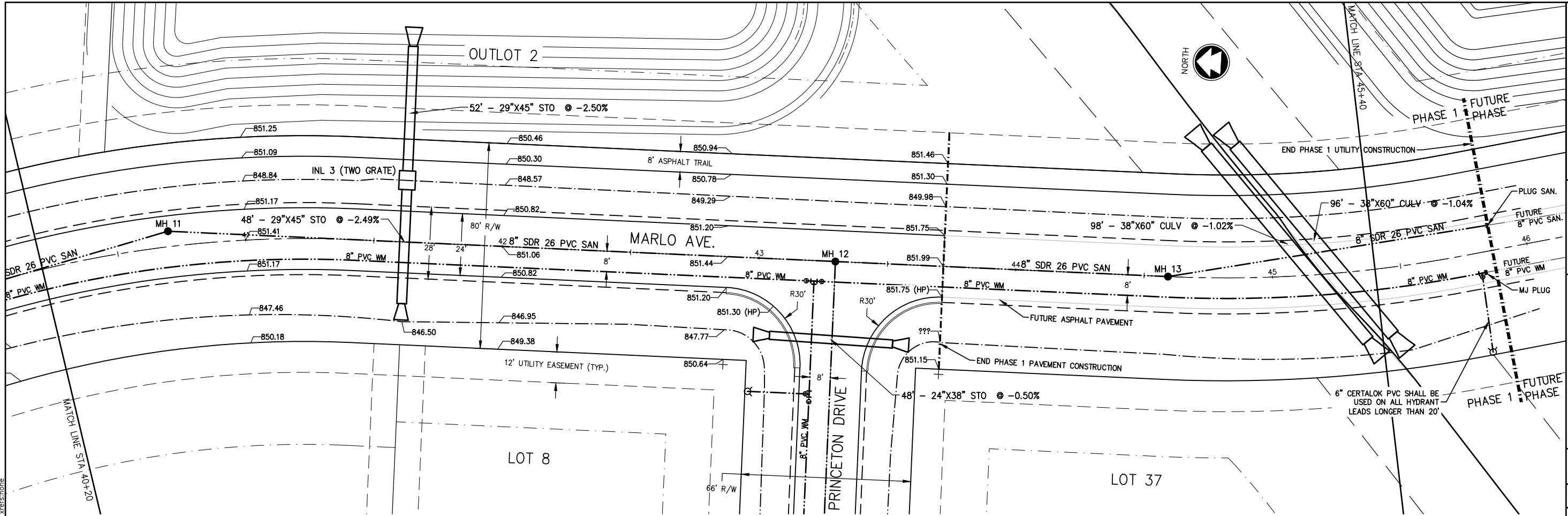
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
MARLO AVENUE

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| PROJECT NO. | |
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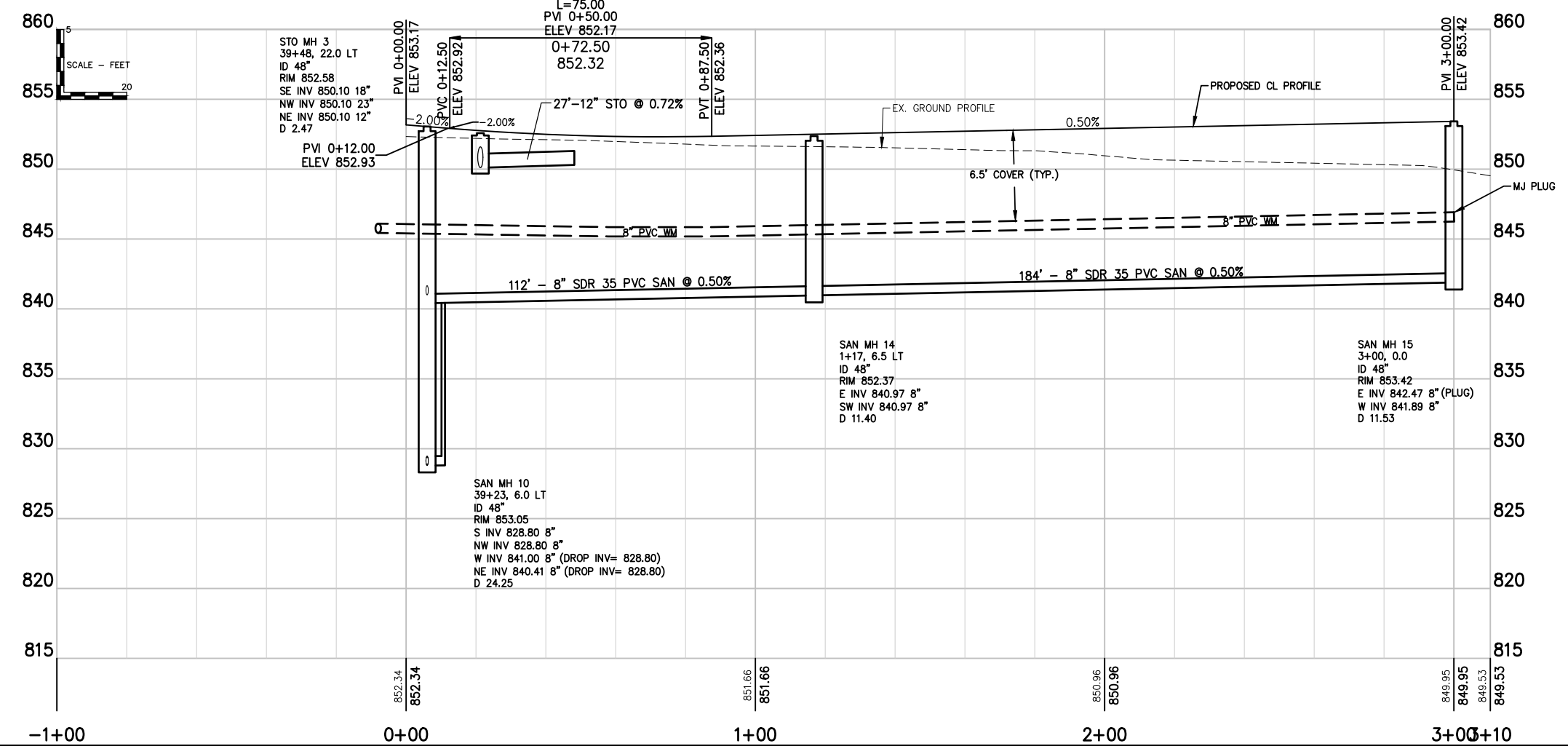
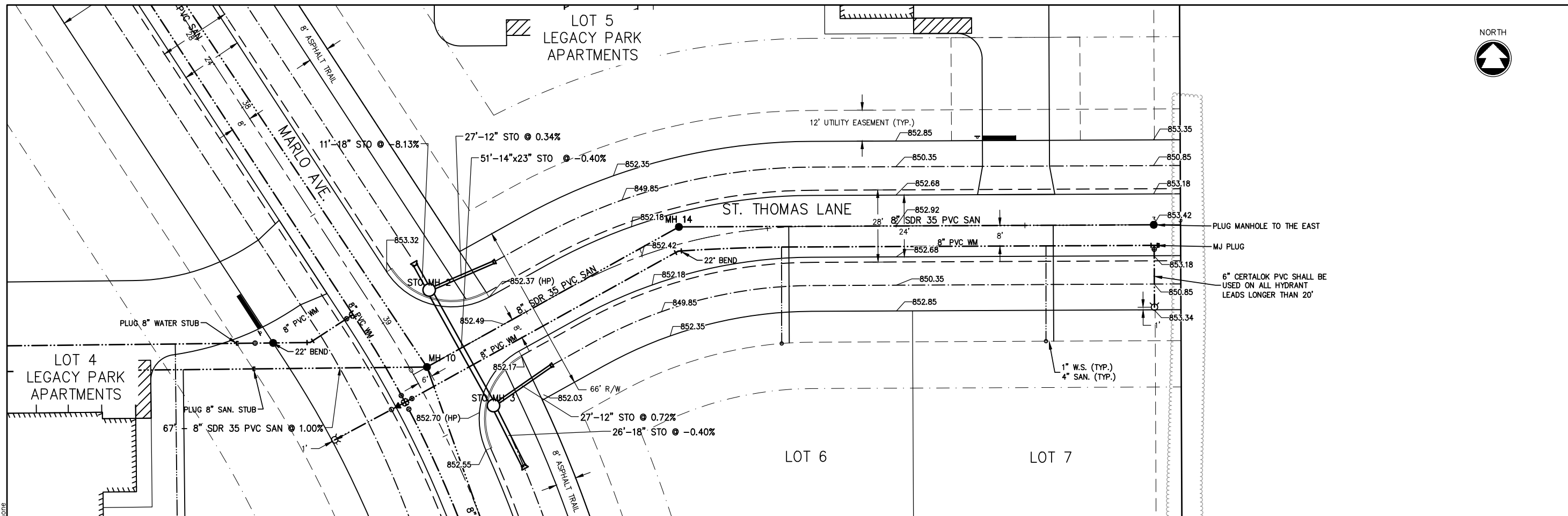
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
MARLO AVENUE

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| ZRL | ZRL |
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| DATE JUNE, 2023 | |
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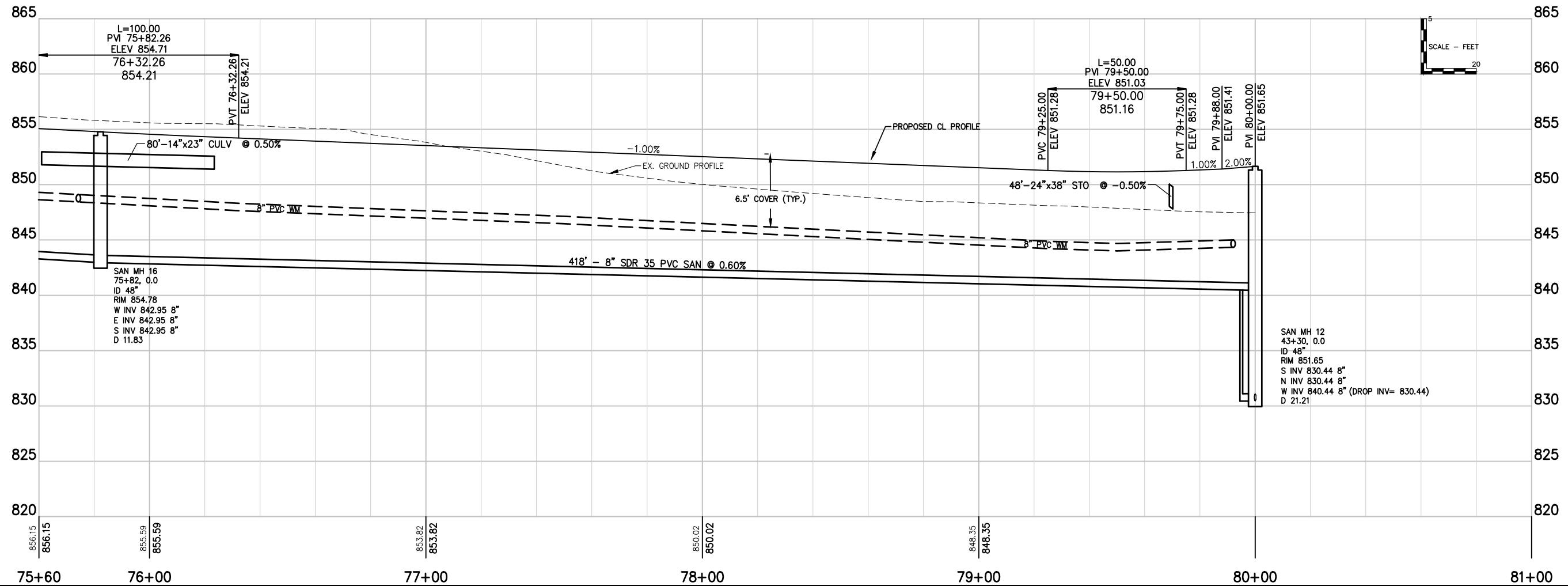
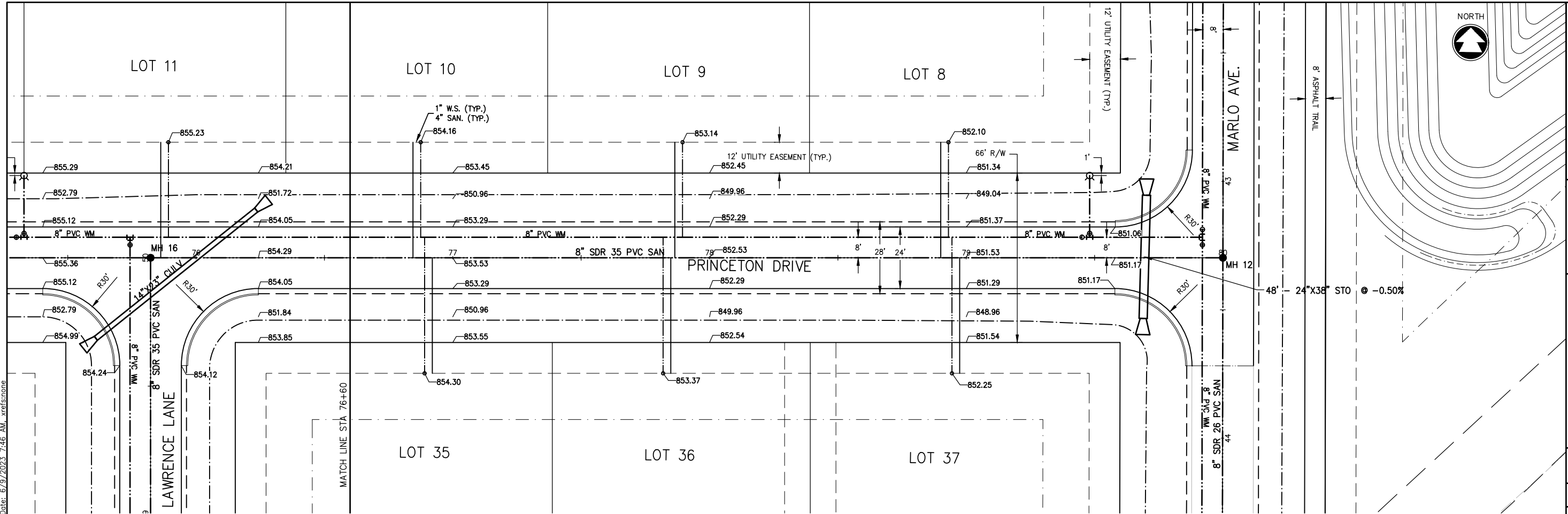
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
ST. THOMAS LANE

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| DESIGNED ZRL | DRAWN ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. 17 | |

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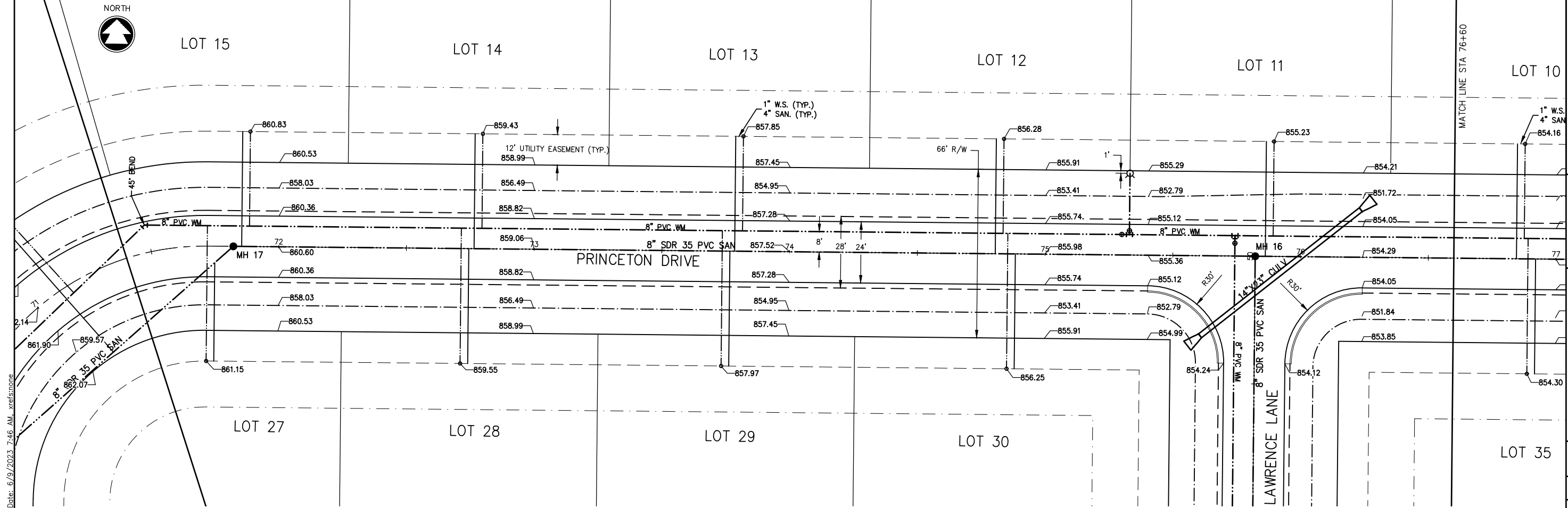
McMAHON
ENGINEERS & ARCHITECTS, INC.
McMAHON ASSOCIATES, INC.
1445 McMAHON DRIVE WEEHAW, WI 54986
Mailing: P.O. BOX 1025 WEEHAW, WI 54987-1025
PH 920.751.4200 FAX 920.751.4284 MCINGR.COM

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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
PRINCETON DRIVE

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| DESIGNED ZRL | DRAWN ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. 18 | |

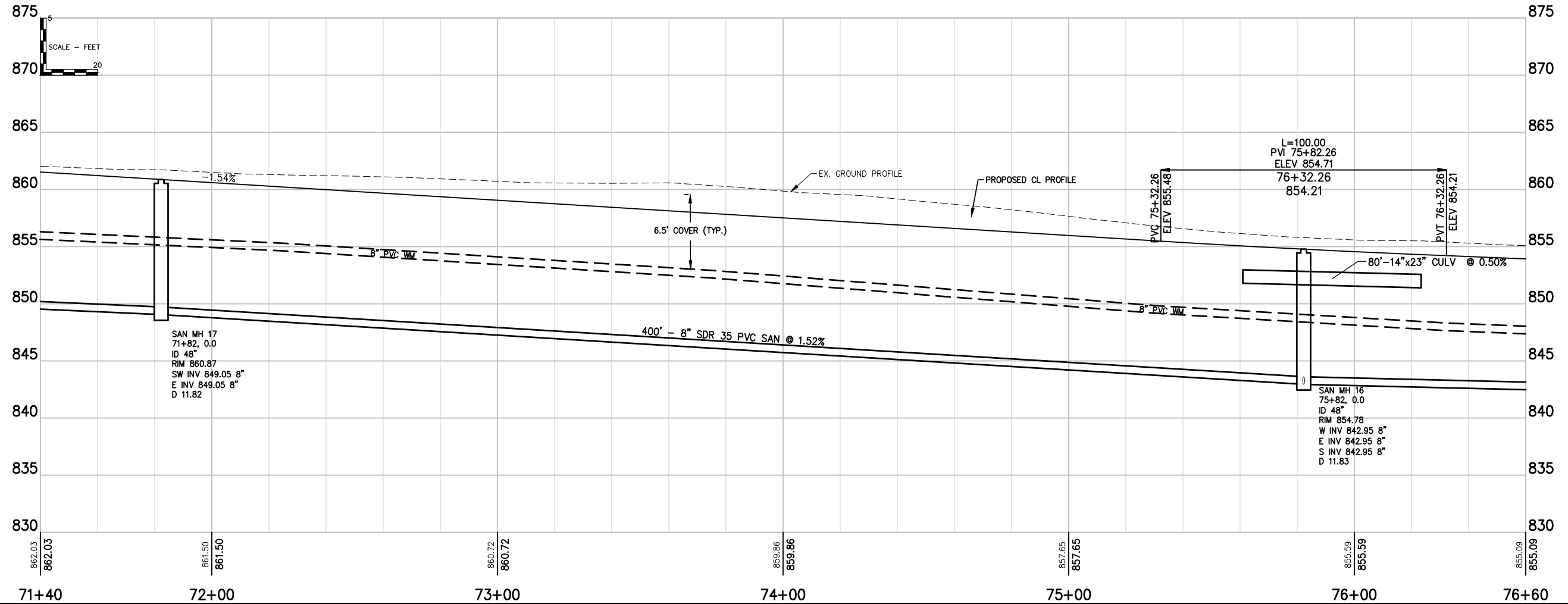


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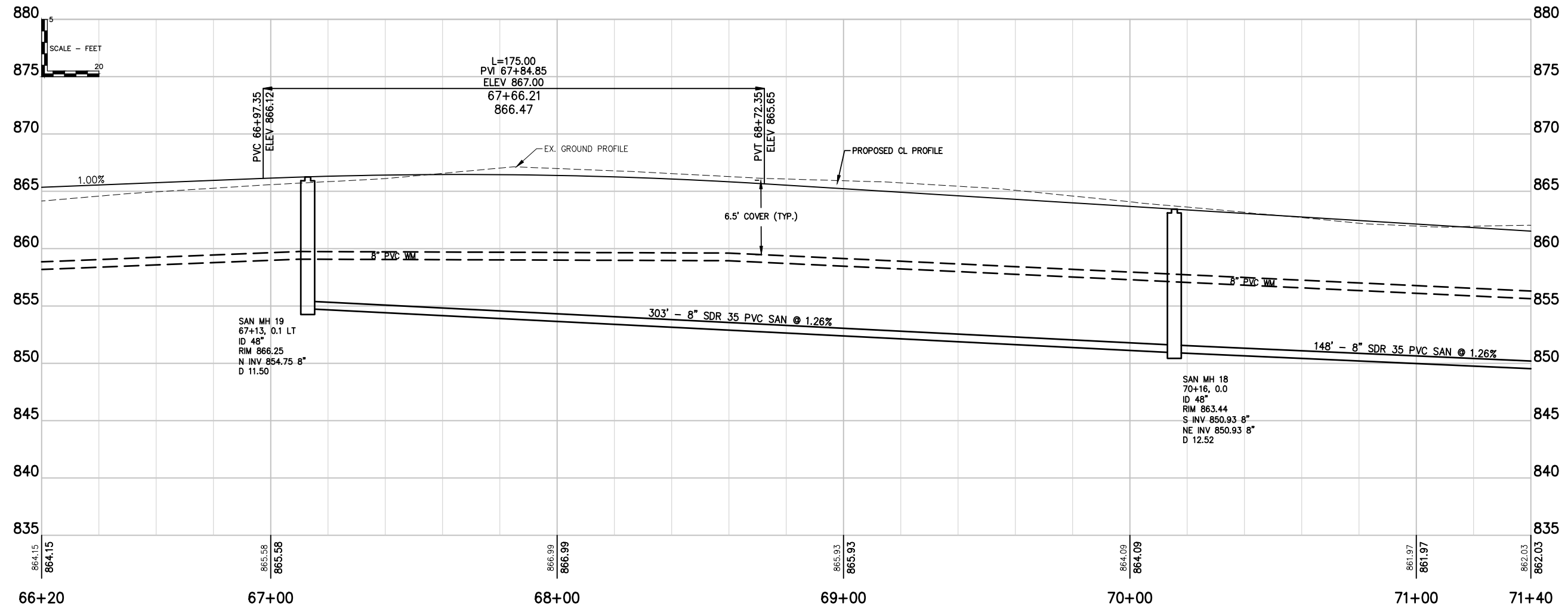
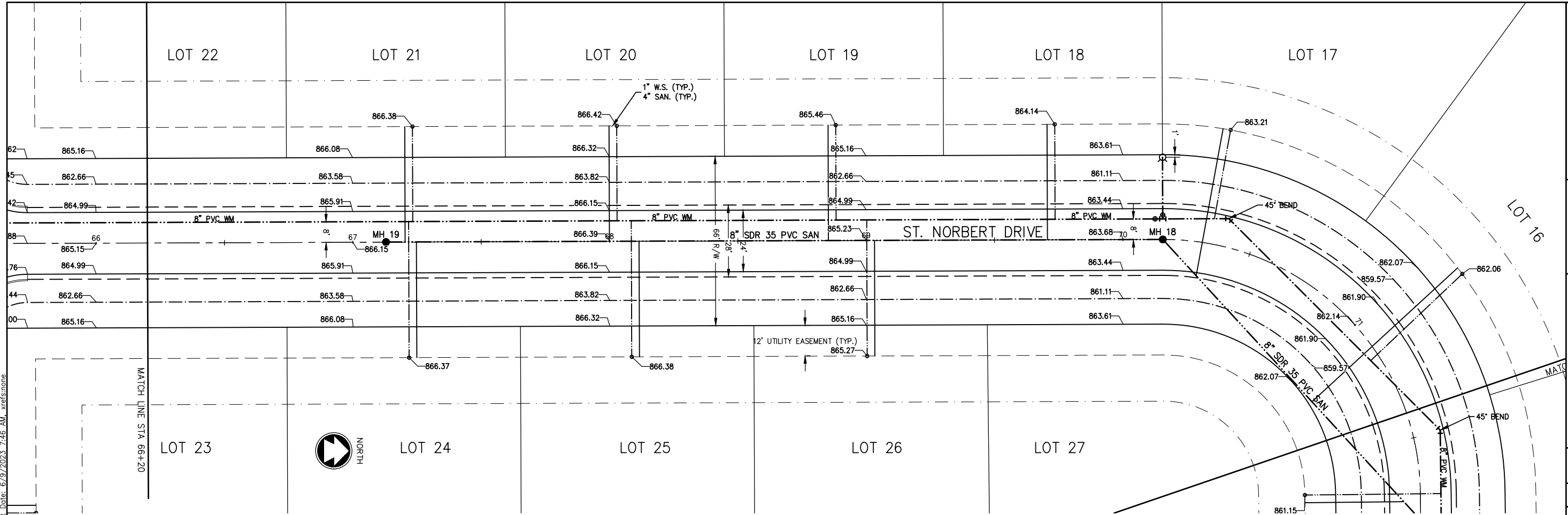
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
PRINCETON DRIVE

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| DESIGNED ZRL | DRAWN ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. 19 | |

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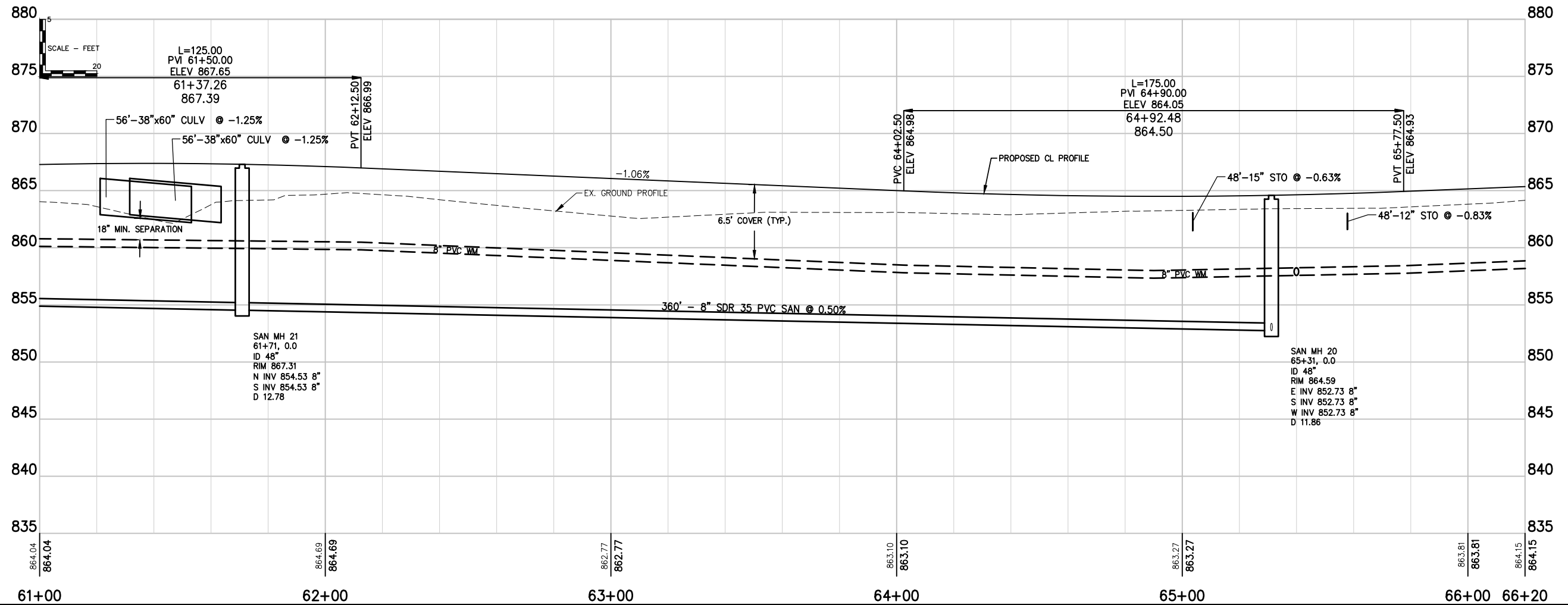
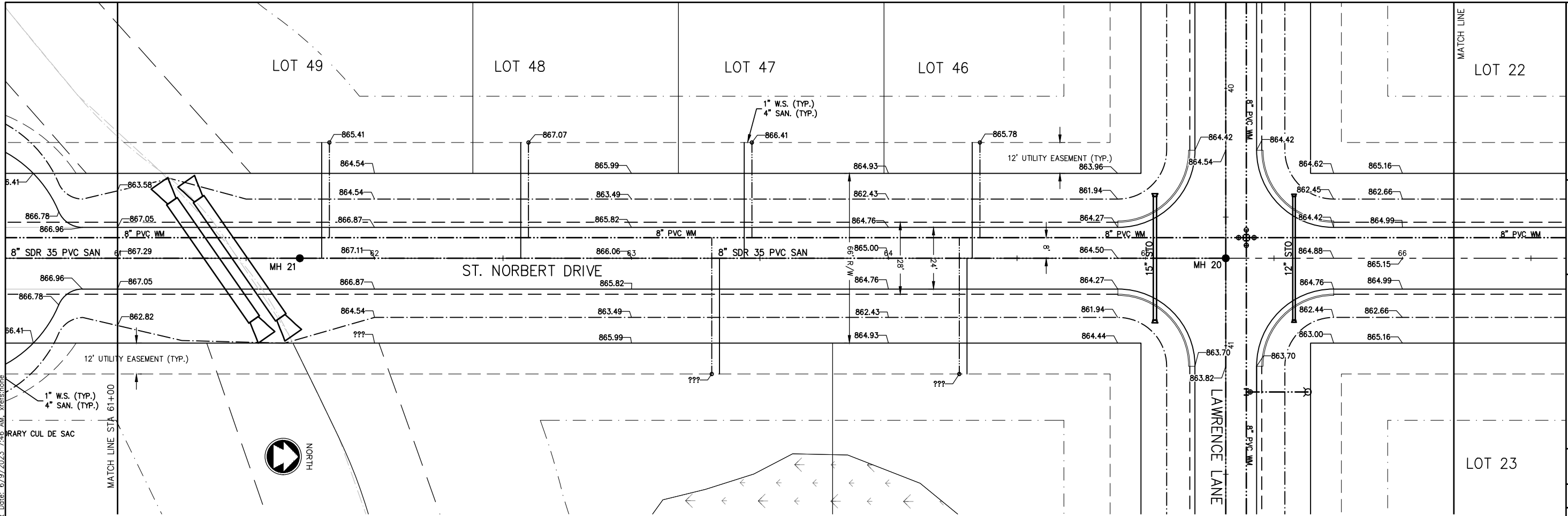
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
ST. NORBERT DRIVE

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| DESIGNED ZRL | DRAWN ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. 20 | |

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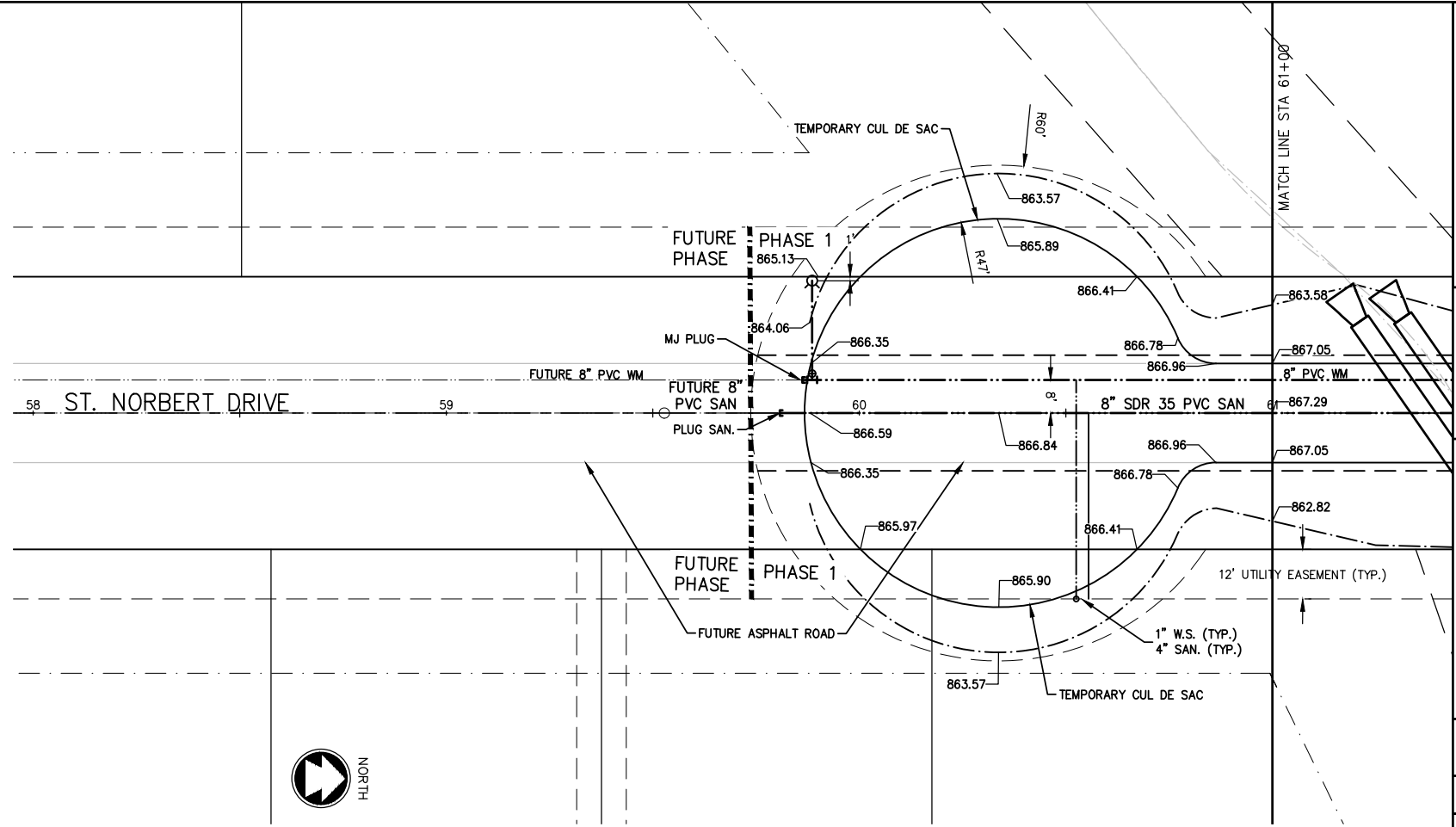
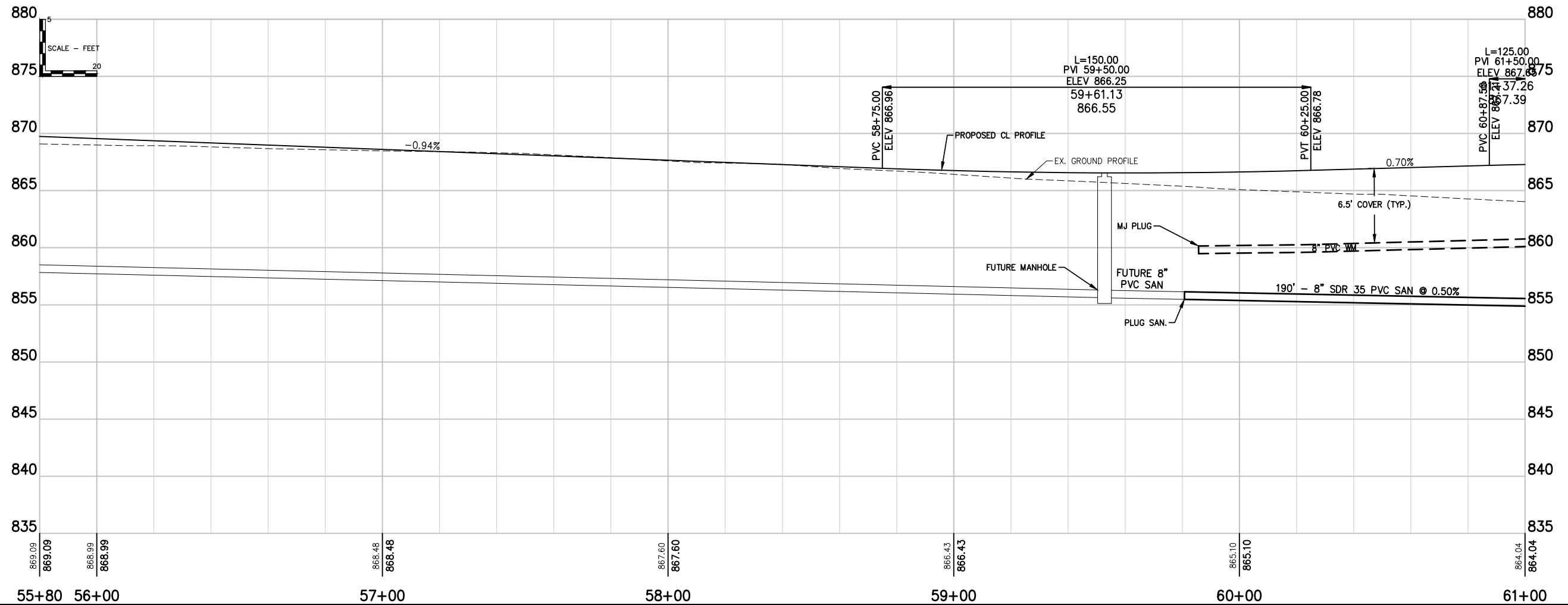
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
ST. NORBERT DRIVE

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| DESIGNED ZRL | DRAWN ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. 21 | |

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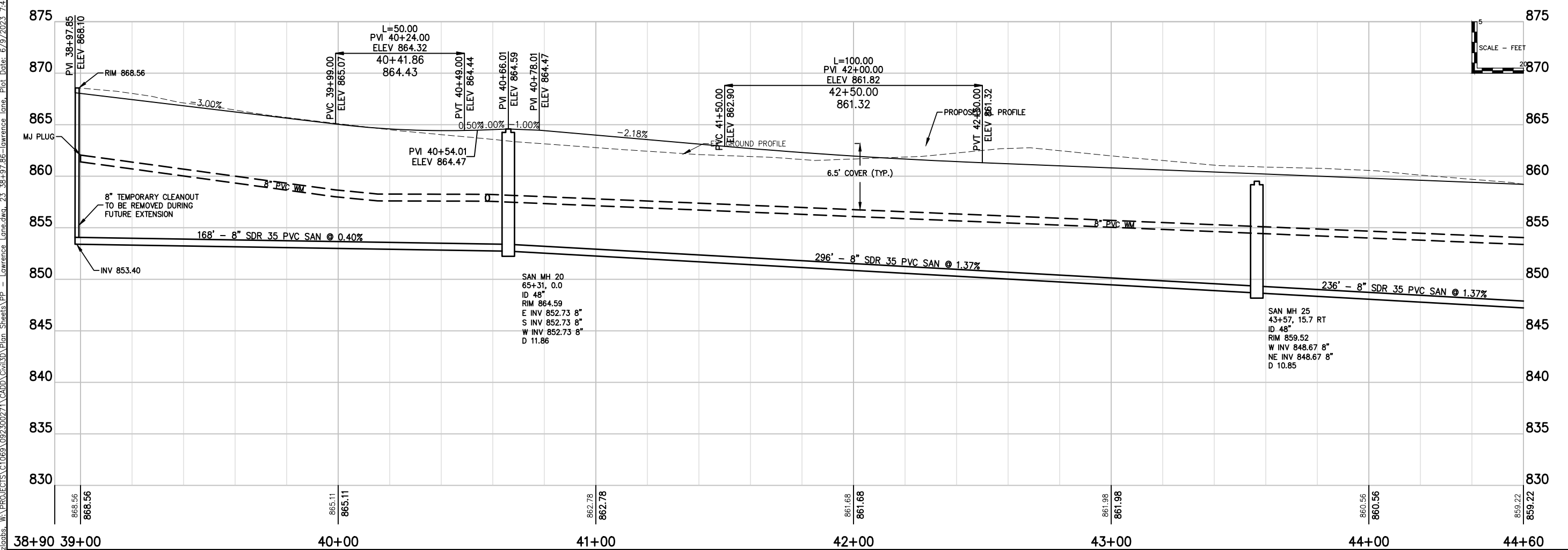
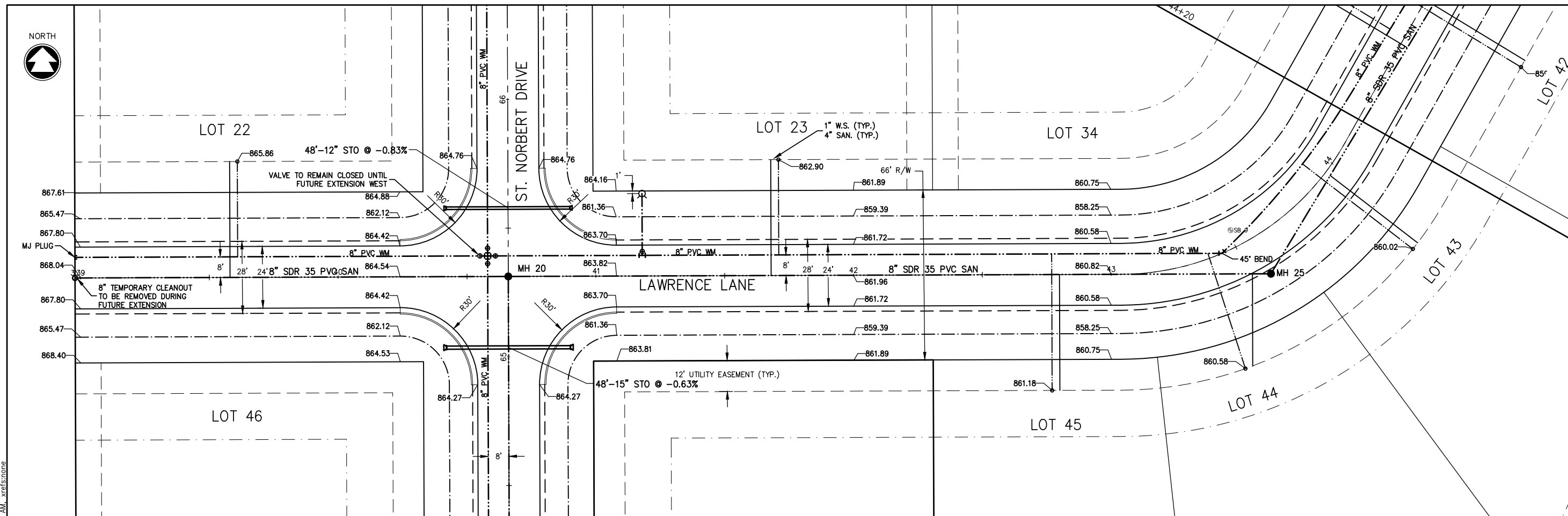
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SCHOLAR RIDGE ESTATES - PHASE 1
 TOWN OF CLAYTON
 ST. NORBERT DRIVE

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| DESIGNED ZRL | DRAWN ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. 22 | |



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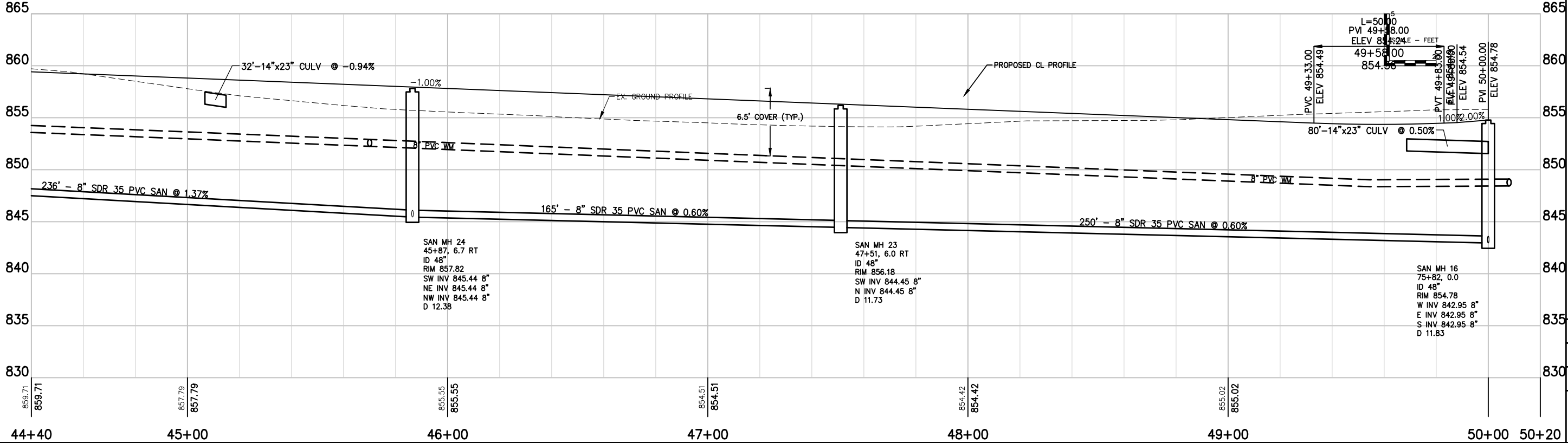
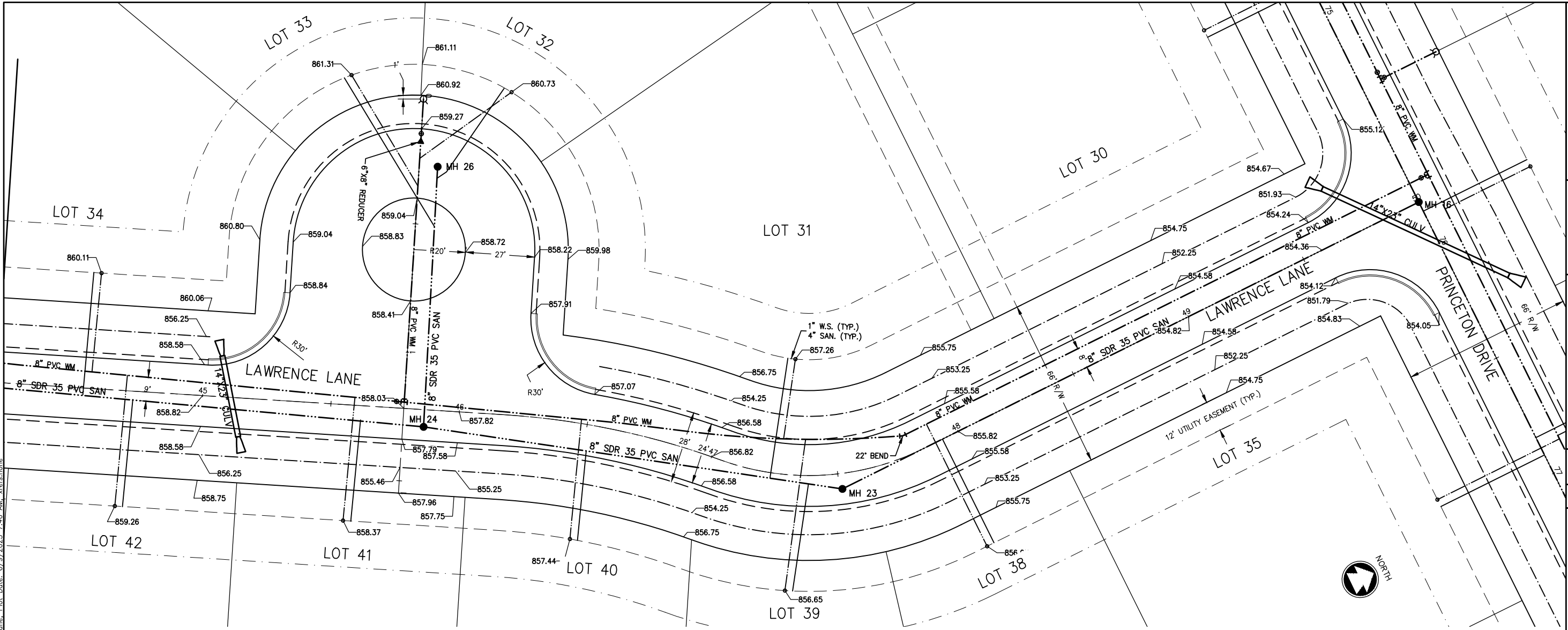
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SCHOLAR RIDGE ESTATES - PHASE 1
 TOWN OF CLAYTON
 LAWRENCE LANE

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| PROJECT NO. C1069-09-23-00271 | |
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| SHEET NO. 23 | |

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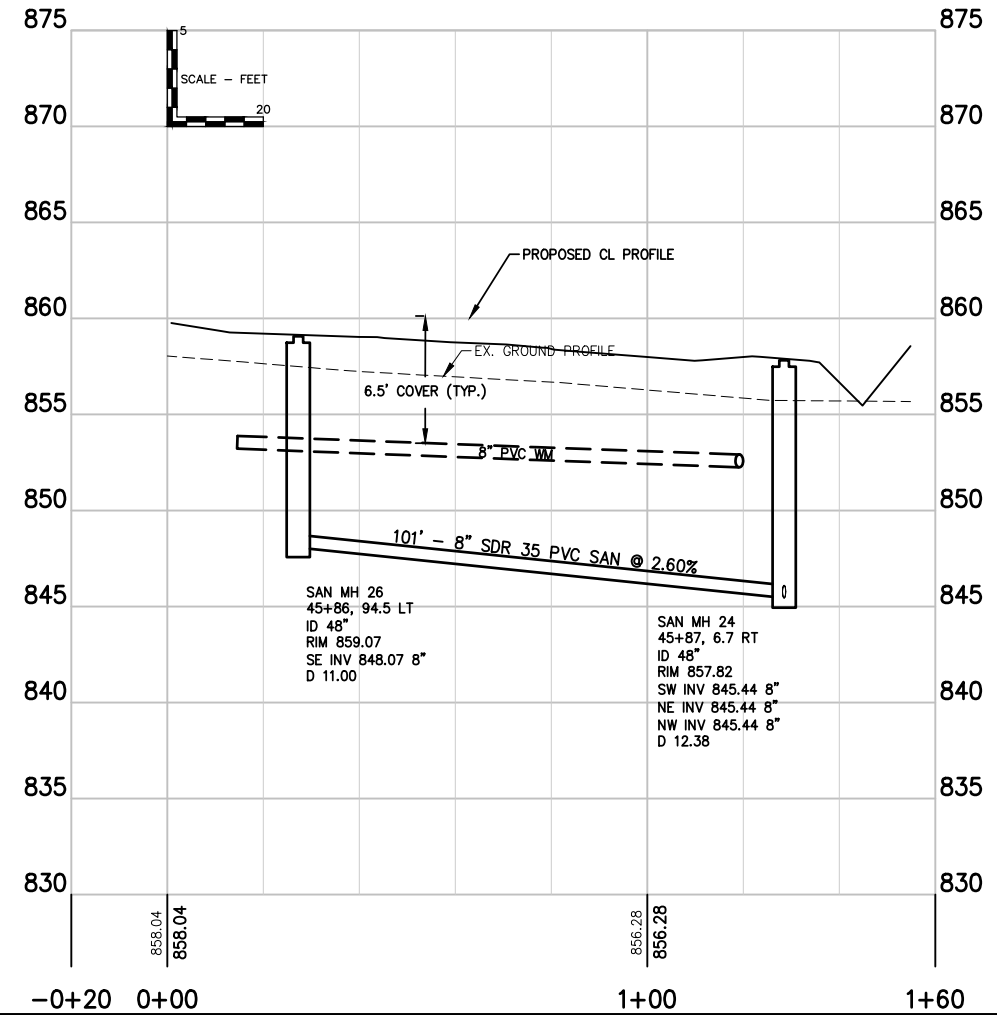
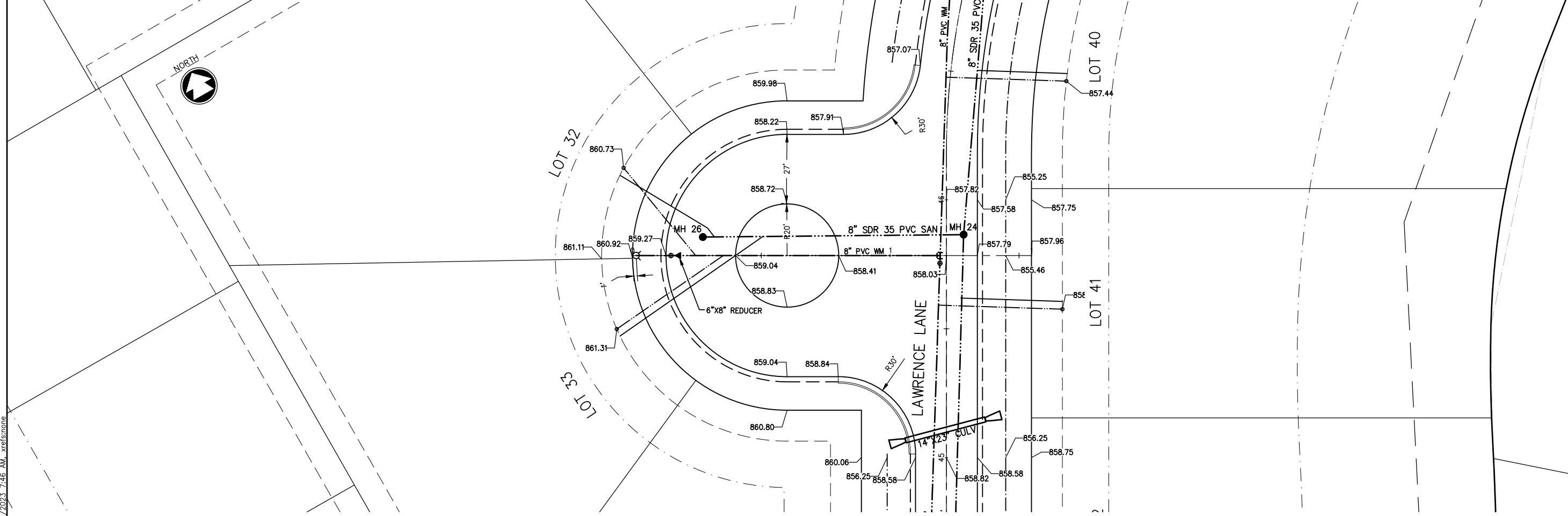
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SCHOLAR RIDGE ESTATES - PHASE 1
 TOWN OF CLAYTON
 LAWRENCE LANE

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| DESIGNED | DRAWN |
| ZRL | ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. 24 | |

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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
LAWRENCE LANE

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DESIGNED
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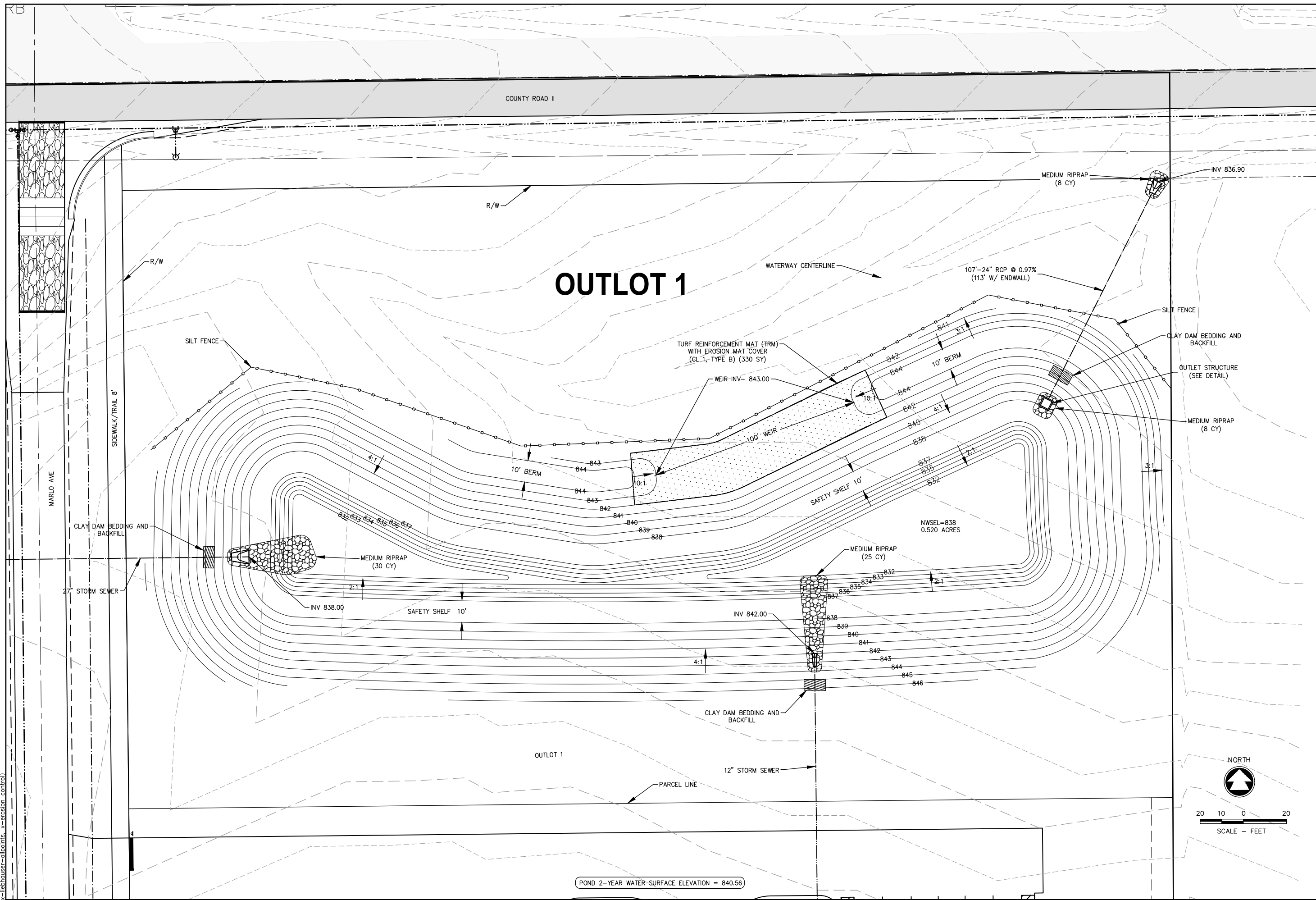
PROJECT NO.
C1069-09-23-00271

DATE
JUNE, 2023

SHEET NO.
25

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z:\projects\C1069\092300271\CADD\Civil3D\Plan Sheets\Pond 2 Plan.dwg, 26 pond 2 plan - pond 2 plan - pond 2, Plot Date: 6/9/2023 7:46 AM, xrefs: (x-libhauser-proposed linework, x-clayton_ish_contours_2015, libhauser comps dew-map, parcel_co-winebago_2018_12, libhauser-utilities, x-erosion_control)



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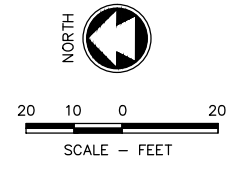
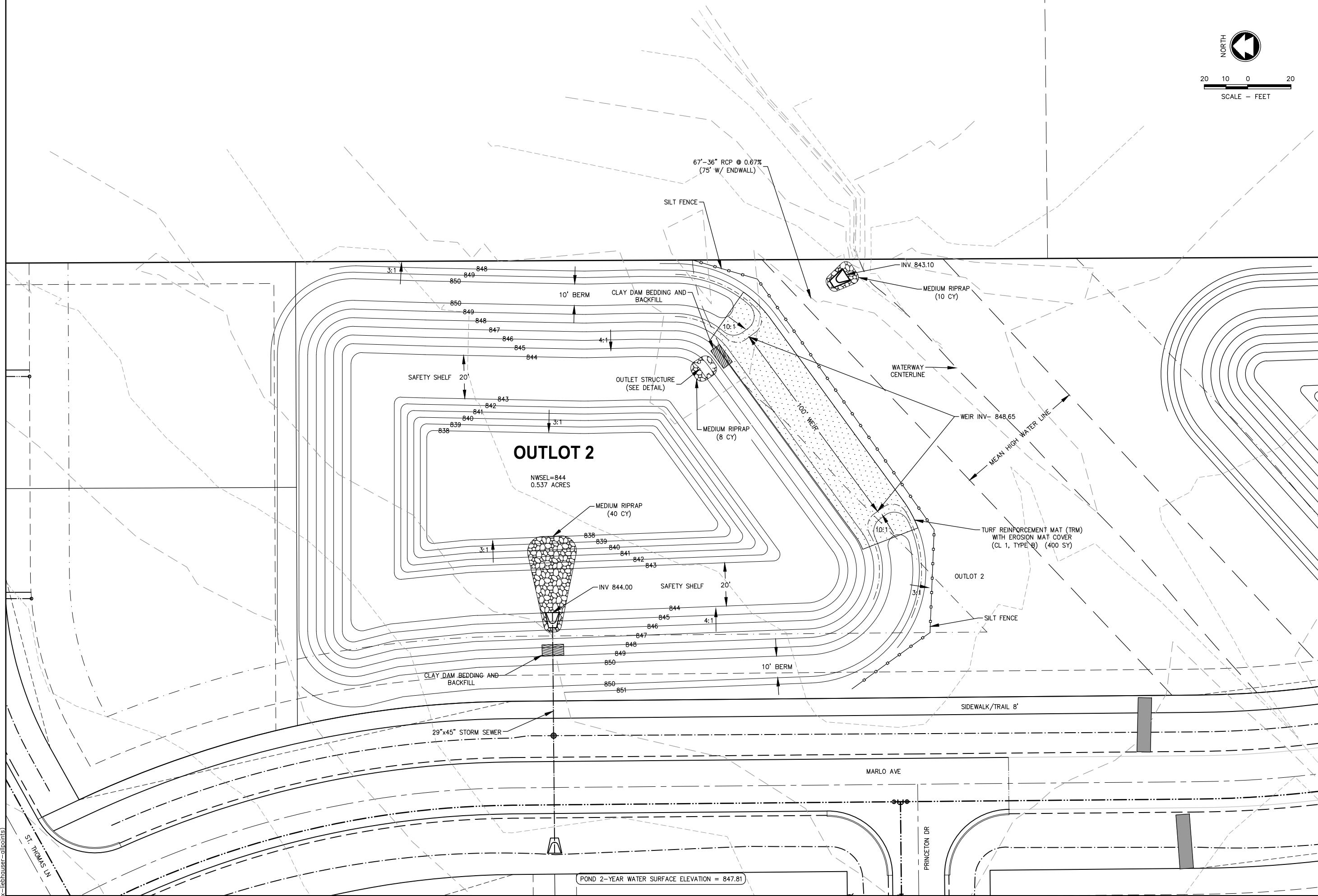
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POND 2
TOWN OF CLAYTON, BROWN COUNTY, WI
POND PLAN

DESIGNED: MJK
 DRAWN: MJK
 PROJECT NO.: C1069-09-23-00271
 DATE: JUNE 2023
 SHEET NO.: **26**

z:\projects\C1069\092300271\CADD\Civil\3D\Plan Sheets\Pond 3 Plan.dwg, 27 pond 3 plan - pond 3, Plot Date: 6/9/2023 7:47 AM, xrefs: (x-libhauser-proposed linework, x-clayton_ish_contours_2015, libhauser comps dew-map, parcel_co-winebaggs_2018_12, libhauser-clayton)



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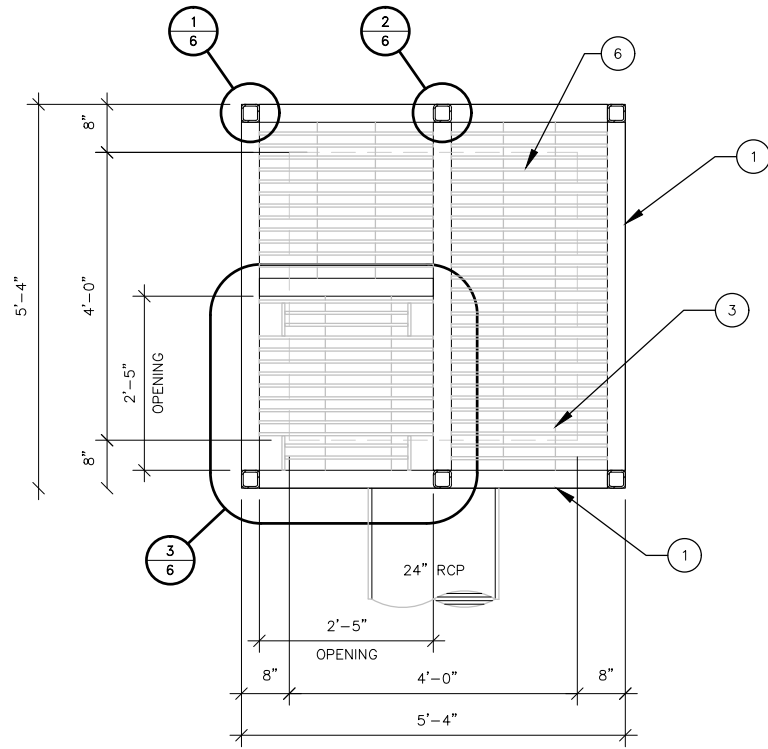
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POND 3
TOWN OF CLAYTON, BROWN COUNTY, WI
POND PLAN

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|----------------------------------|-----|-------|-----|
| DESIGNED | MJK | DRAWN | MJK |
| PROJECT NO. C1069-09-23-00271 | | | |
| DATE JUNE 2023 | | | |
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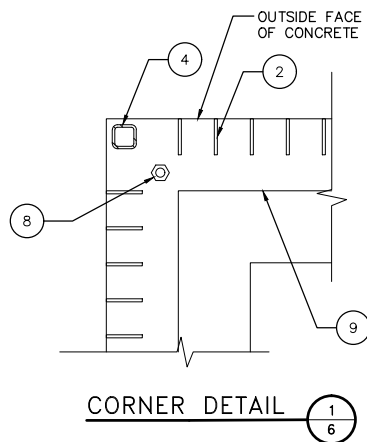
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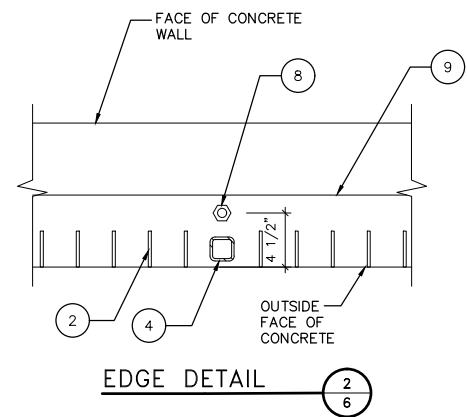
TOP TRASH RACK DETAIL PLAN VIEW

ELEMENT KEY

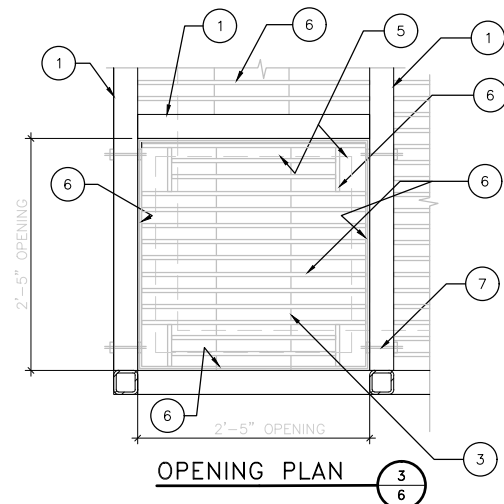
- 1 HSS 3x3x1/4
- 2 1/4"x3" PLATE @ 3"o.c. MAXIMUM
- 3 1/2" DIA BAR @ 10"o.c. MAXIMUM
- 4 HSS2x2x1/4
- 5 1/4"x2" HORIZONTAL PLATE WELDED TO SIDE OF HSS3x3x1/4
- 6 1/4"x2" PLATE @ 2"o.c. MAXIMUM
- 7 3/8" DIA. SST BOLT
- 8 3/8" DIA. SST ADHESIVE ANCHOR @ 24"o.c. MAXIMUM
- 9 3/8"x5 1/2"x CONT. PLATE



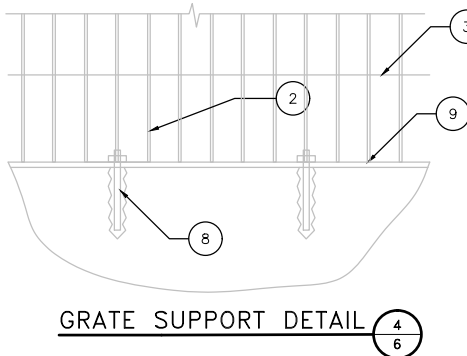
CORNER DETAIL



EDGE DETAIL



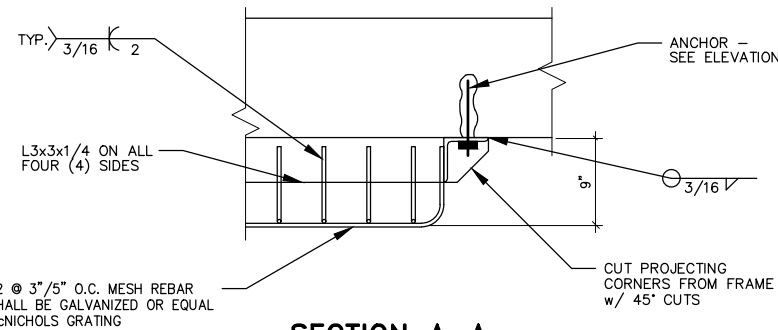
OPENING PLAN



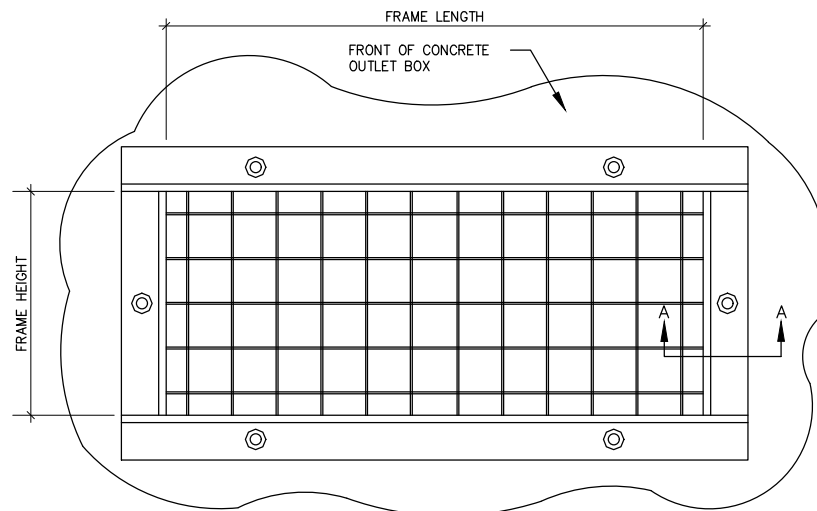
GRATE SUPPORT DETAIL

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL MEET THE FOLLOWING SPECIFICATIONS:
 BARS & PLATES - ASTM A36 THREADED BOLTS - ASTM A301
 ANCHOR BOLTS - ASTM A36 THREADED BOLTS - ASTM A36
 WELDS - E70 XX
 ALL STEEL SHALL BE GALVANIZED
- ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR BUILDINGS AND BRIDGES", CURRENT EDITION.
- ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN ACCORDANCE WITH A.W.S. CODE FOR WELDING IN BUILDING CONSTRUCTION. SURFACES FOR FIELD WELDED MATERIAL SHALL BE PROPERLY PREPARED PRIOR TO BEING WELDED TO ASSURE A GOOD QUALITY WELD. REMOVE PAINT, GREASE, DIRT, ETC.
- ALL STEEL MEMBERS SHALL BE WELDED WITH A 3/16" CONTINUOUS FILLET WELD (UNLESS OTHERWISE NOTED)
- ALL WELDS SHALL BE TOUCHED UP WITH GALVANIZING COMPOUND.



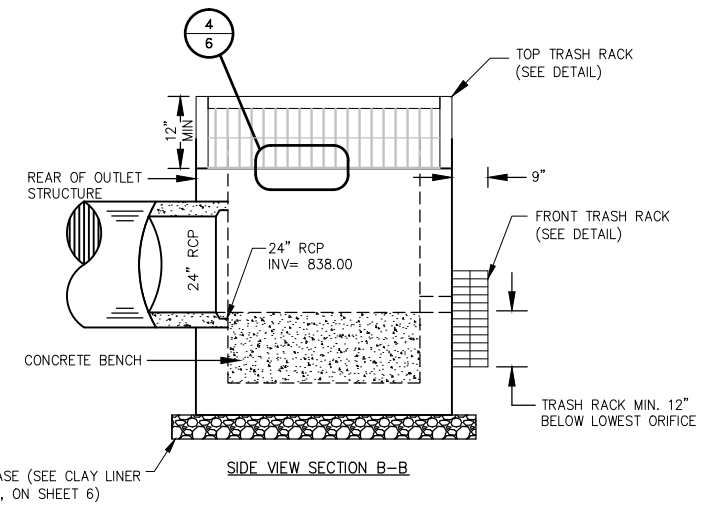
SECTION A-A



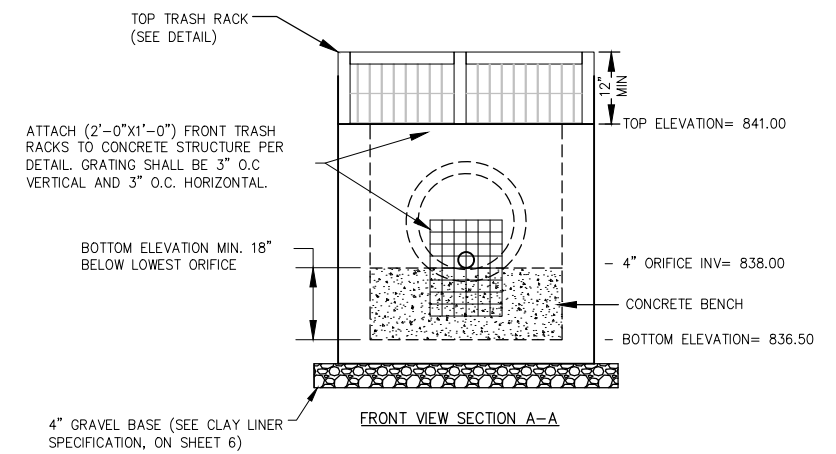
NOTES:

- WHEN FRAME HEIGHT IS 24 INCHES OR LESS, PROVIDE (1) ANCHOR PER VERTICAL LEG, OTHERWISE PROVIDE TWO OR MORE ANCHORS @ 24" O.C. MAX.
- WHEN FRAME LENGTH IS 12" OR LESS, PROVIDE (1) ANCHOR PER HORIZONTAL LEG, OTHERWISE PROVIDE TWO OR MORE ANCHORS @ 24" O.C. MAX.
- PROVIDE 3/8" EPOXY ANCHOR EMBEDDED 4" MIN. INTO CONCRETE WHERE REQUIRED BY THIS DRAWING OR NOTES.
- SEE OUTLET STRUCTURE DETAIL FOR TRASH RACK FRAME SIZE.

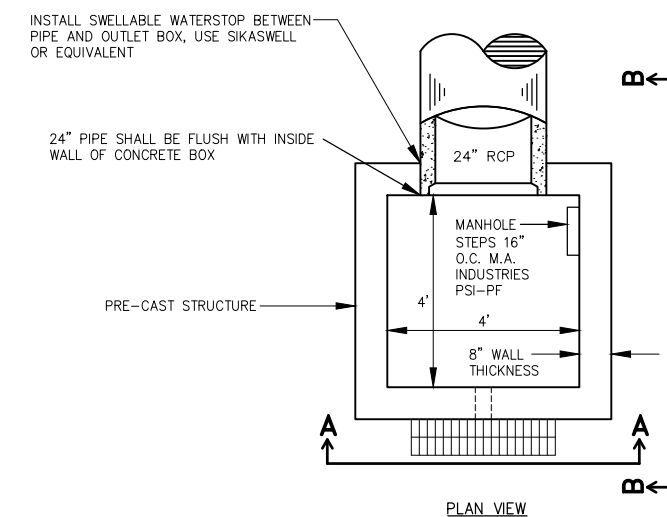
FRONT TRASH RACK DETAIL-ELEVATION VIEW



SIDE VIEW SECTION B-B



FRONT VIEW SECTION A-A



PLAN VIEW

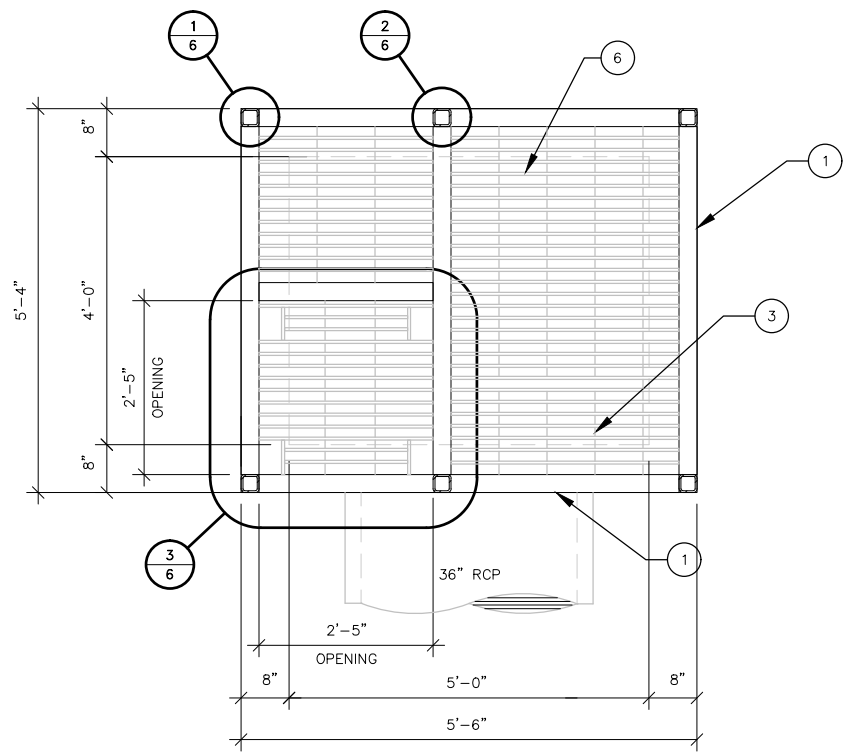
POND OUTLET STRUCTURE DETAIL

*NOTE: THE CONTRACTOR MAY UTILIZE "STORM RAX" RACKS AND DEBRIS CAGES IN LIEU OF THE ABOVE STEEL TRASH RACKS. RACKS SHALL BE ATTACHED WITH STAINLESS STEEL CONCRETE SCREWS INTO CONCRETE BOX.

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| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. | |

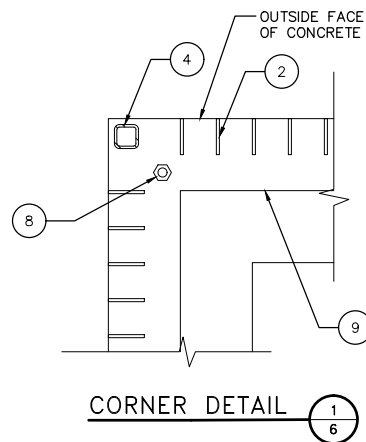
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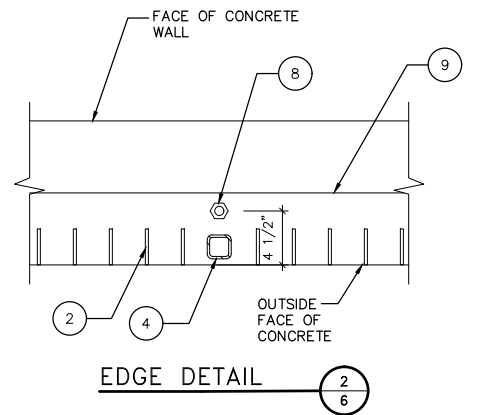
TOP TRASH RACK DETAIL PLAN VIEW

ELEMENT KEY

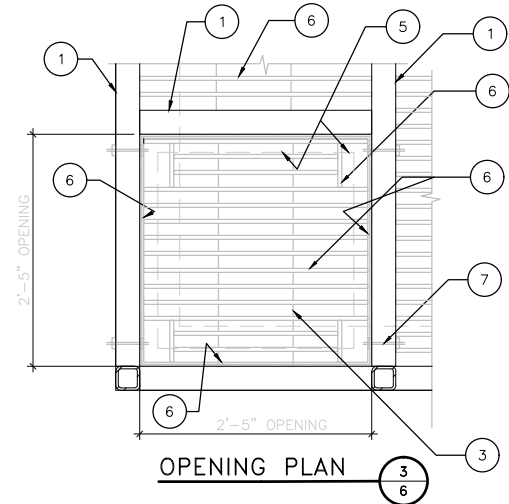
- 1 HSS 3x3x1/4
- 2 1/4"x3" PLATE @ 3" o.c. MAXIMUM
- 3 1/2" DIA BAR @ 10" o.c. MAXIMUM
- 4 HSS2x2x1/4
- 5 1/4"x2" HORIZONTAL PLATE WELDED TO SIDE OF HSS3x3x1/4
- 6 1/4"x2" PLATE @ 2" o.c. MAXIMUM
- 7 3/8" DIA. SST BOLT
- 8 3/8" DIA. SST ADHESIVE ANCHOR @ 24" o.c. MAXIMUM
- 9 3/8"x5 1/2"x CONT. PLATE



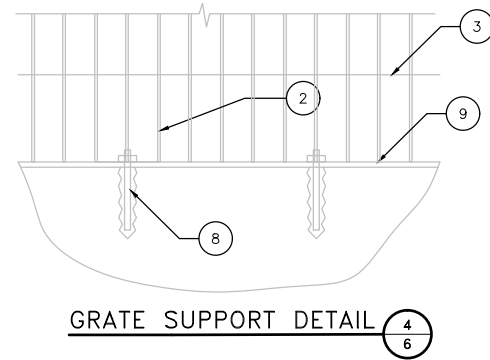
CORNER DETAIL



EDGE DETAIL



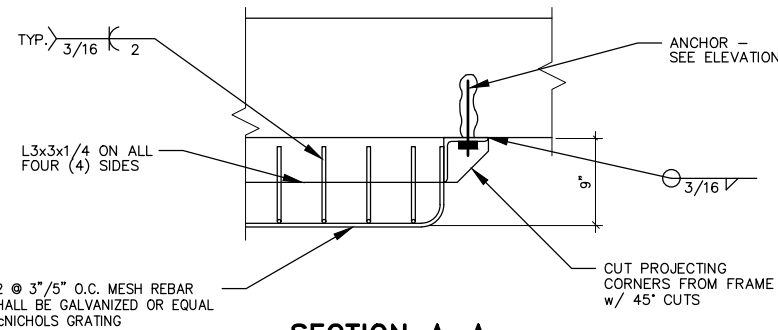
OPENING PLAN



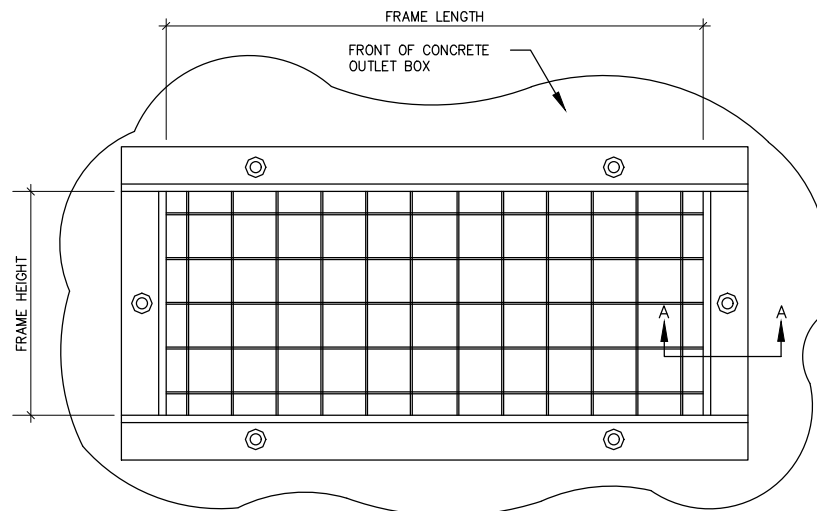
GRATE SUPPORT DETAIL

STRUCTURAL STEEL

- STRUCTURAL STEEL SHALL MEET THE FOLLOWING SPECIFICATIONS:
 BARS & PLATES - ASTM A36 THREADED BOLTS - ASTM A301
 ANCHOR BOLTS - ASTM A36 THREADED BOLTS - ASTM A36
 WELDS - E70 XX
 ALL STEEL SHALL BE GALVANIZED
- ALL DETAILING, FABRICATION AND ERECTION SHALL CONFORM TO THE AISC "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATIONS FOR STRUCTURAL STEEL BUILDINGS" AND "CODE OF STANDARD PRACTICE FOR BUILDINGS AND BRIDGES", CURRENT EDITION.
- ALL WELDING SHALL BE PERFORMED BY A CERTIFIED WELDER IN ACCORDANCE WITH A.W.S. CODE FOR WELDING IN BUILDING CONSTRUCTION. SURFACES FOR FIELD WELDED MATERIAL SHALL BE PROPERLY PREPARED PRIOR TO BEING WELDED TO ASSURE A GOOD QUALITY WELD. REMOVE PAINT, GREASE, DIRT, ETC.
- ALL STEEL MEMBERS SHALL BE WELDED WITH A 3/16" CONTINUOUS FILLET WELD (UNLESS OTHERWISE NOTED)
- ALL WELDS SHALL BE TOUCHED UP WITH GALVANIZING COMPOUND.



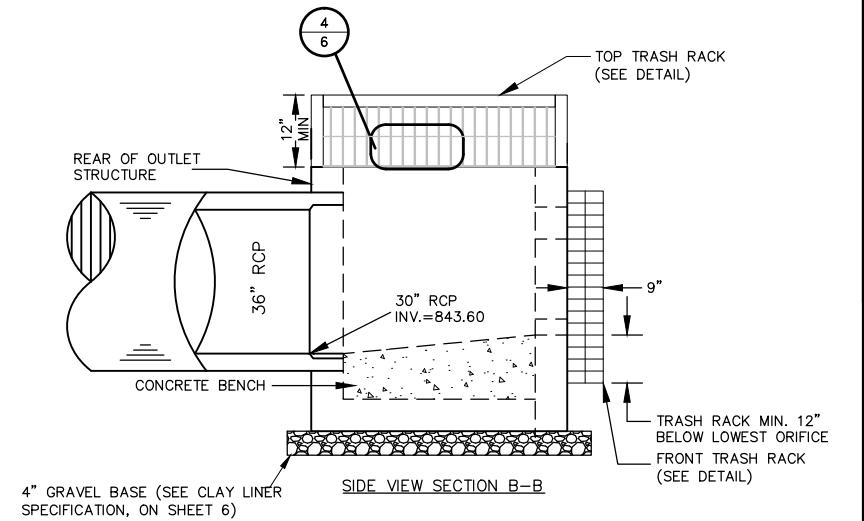
SECTION A-A



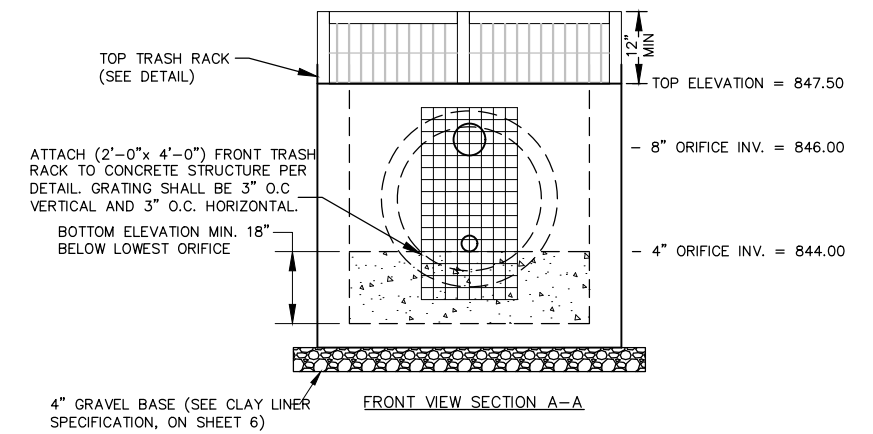
NOTES:

- WHEN FRAME HEIGHT IS 24 INCHES OR LESS, PROVIDE (1) ANCHOR PER VERTICAL LEG, OTHERWISE PROVIDE TWO OR MORE ANCHORS @ 24" O.C. MAX.
- WHEN FRAME LENGTH IS 12" OR LESS, PROVIDE (1) ANCHOR PER HORIZONTAL LEG, OTHERWISE PROVIDE TWO OR MORE ANCHORS @ 24" O.C. MAX.
- PROVIDE 3/8" EPOXY ANCHOR EMBEDDED 4" MIN. INTO CONCRETE WHERE REQUIRED BY THIS DRAWING OR NOTES.
- SEE OUTLET STRUCTURE DETAIL FOR TRASH RACK FRAME SIZE.

FRONT TRASH RACK DETAIL-ELEVATION VIEW



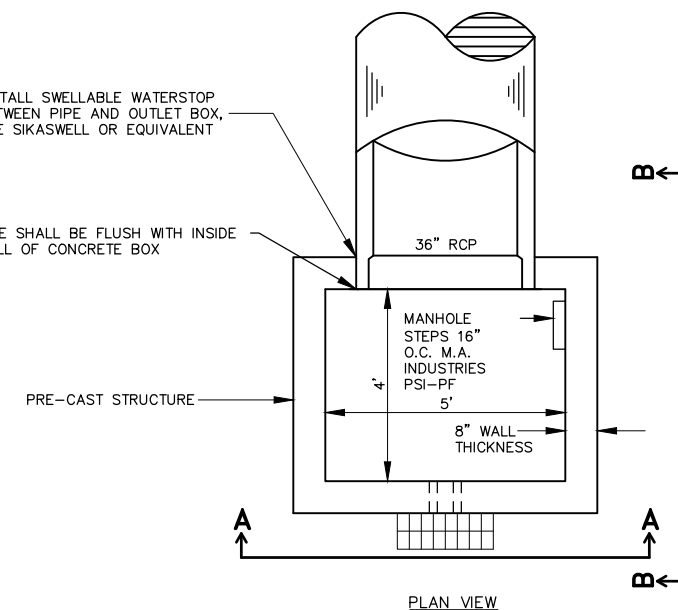
SIDE VIEW SECTION B-B



FRONT VIEW SECTION A-A

INSTALL SWELLABLE WATERSTOP BETWEEN PIPE AND OUTLET BOX, USE SIKASWELL OR EQUIVALENT

PIPE SHALL BE FLUSH WITH INSIDE WALL OF CONCRETE BOX



PLAN VIEW

POND OUTLET STRUCTURE

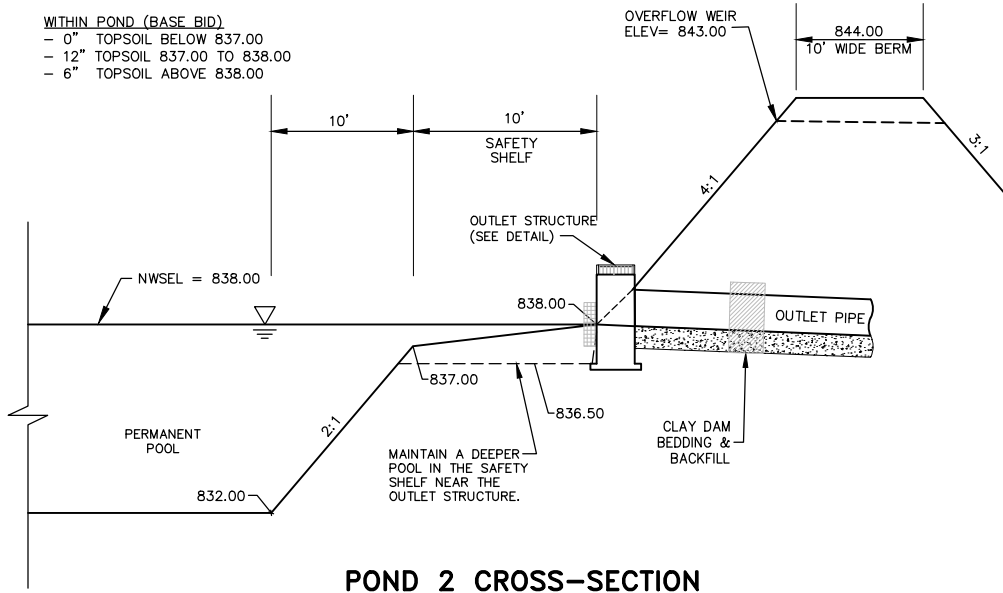
NOTE: THE CONTRACTOR MAY UTILIZE "STORM RAY" RACKS AND DEBRIS CAGES IN LIEU OF THE ABOVE STEEL TRASH RACKS. RACKS SHALL BE ATTACHED WITH STAINLESS STEEL CONCRETE SCREWS INTO CONCRETE BOX.

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| MJK | MJK |
| PROJECT NO. | |
| C1069-09-23-00271 | |
| DATE | |
| JUNE, 2023 | |
| SHEET NO. | |

WITHIN POND (BASE BID)
 - 0" TOPSOIL BELOW 837.00
 - 12" TOPSOIL 837.00 TO 838.00
 - 6" TOPSOIL ABOVE 838.00

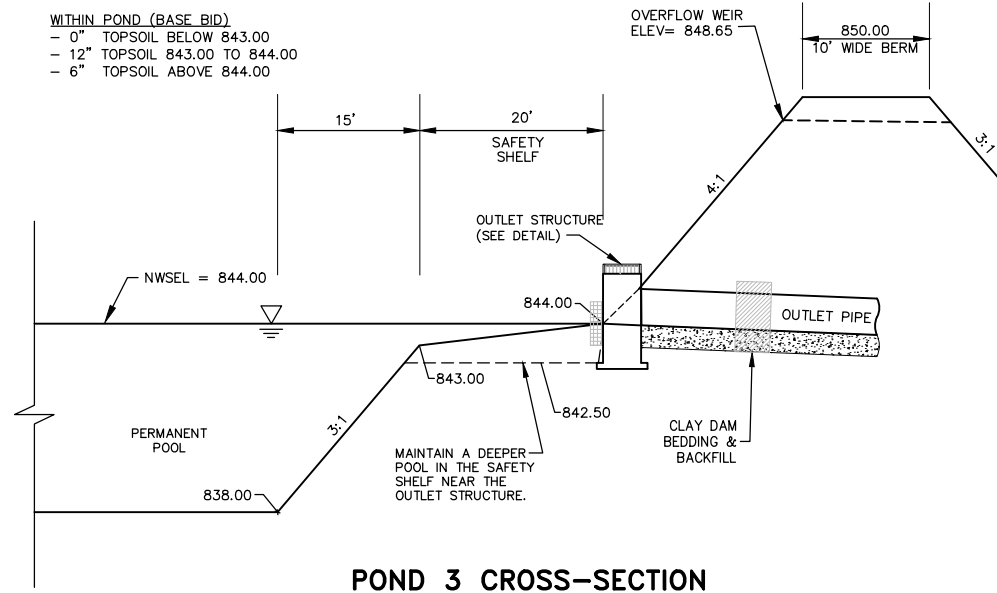


POND 2 CROSS-SECTION

NOTE: ALL ELEVATIONS ARE TO FINISHED GRADE

* SEE CLAY LINER SPECIFICATION.

WITHIN POND (BASE BID)
 - 0" TOPSOIL BELOW 843.00
 - 12" TOPSOIL 843.00 TO 844.00
 - 6" TOPSOIL ABOVE 844.00



POND 3 CROSS-SECTION

NOTE: ALL ELEVATIONS ARE TO FINISHED GRADE

* SEE CLAY LINER SPECIFICATION.

CLAY LINER SPECIFICATIONS (TYP.)

LINER THICKNESS = 4 FEET
 IN PLACE HYDRAULIC CONDUCTIVITY = 1×10^{-7} CM/SEC OR LESS
 MINIMUM OF 50% BY WEIGHT WHICH PASSES THE 200 SIEVE
 AVERAGE LIQUID LIMIT OF 25 OR GREATER, NONE LESS THAN 20
 AVERAGE PLASTICITY INDEX OF 12 OR GREATER, NONE LESS THAN 10

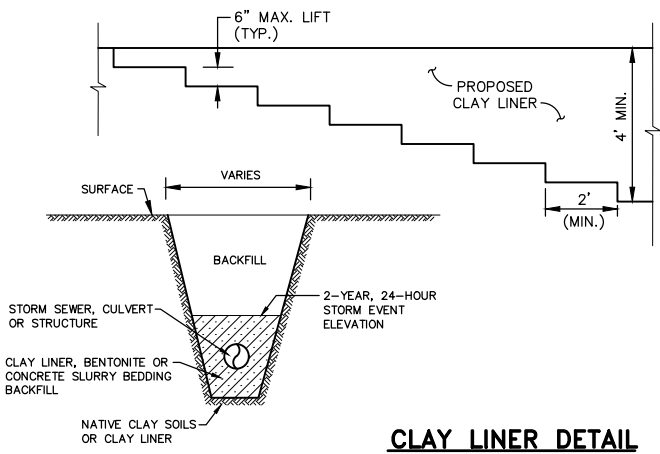
ALL CLAY LAYERS IN THE LINER TO BE CONSTRUCTED IN LIFT HEIGHTS NO GREATER THAN 6 INCHES AFTER COMPACTION USING FOOTED COMPACTION EQUIPMENT HAVING FEET AT LEAST AS LONG AS THE LOOSE LIFT HEIGHT. CLAY IS TO BE DISKED OR OTHERWISE MECHANICALLY PROCESSED BEFORE COMPACTION TO BREAK UP CLODS AND ALLOW FOR MOISTURE ADJUSTMENT. CLOD SIZE TO BE NO GREATER THAN 4 INCHES.

A SUFFICIENT NUMBER OF PASSES OF THE COMPACTION EQUIPMENT IS TO BE MADE OVER EACH LIFT OF CLAY TO ENSURE COMPLETE REMOLDING OF THE CLAY.

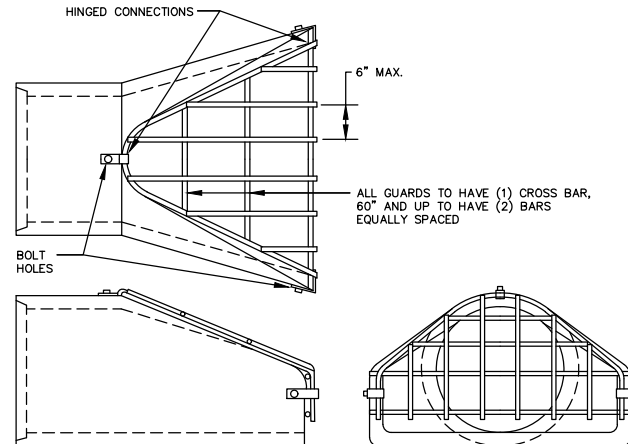
ALL CLAY TO BE COMPACTED TO 90% MODIFIED OR 95% STANDARD PROCTOR DENSITY AT A MOISTURE CONTENT OF AT LEAST 2% WET OF OPTIMUM IF USING THE MODIFIED PROCTOR METHOD AND WET OF OPTIMUM IF USING THE STANDARD PROCTOR METHOD, BASED ON THE CHARACTERISTICS OF THE APPROPRIATE PROCTOR CURVE FOR THE CLAY BEING PLACED. THE CLAY LINER IS TO BE KEYS TOGETHER TO FORM A CONTINUOUS CLAY SEAL, SEE DETAIL.

CLAY LINER SHALL BE PLACED OVER NATIVE SOILS THAT DO NOT SATISFY THE CLAY LINER SPECIFICATIONS. A GEOTECHNICAL ENGINEER SHALL DETERMINE WHICH SOILS DO NOT SATISFY THE CLAY LINER SPECIFICATIONS. THE GEOTECHNICAL ENGINEER SHALL INSPECT SOILS WITHIN THE PERMANENT POOL AND UP TO THE POND'S 2-YEAR, 24-HOUR WATER SURFACE ELEVATION. UPON COMPLETION OF THE LINER, A GEOTECHNICAL ENGINEER REGISTERED IN WISCONSIN SHALL PROVIDE A LETTER OF OPINION INDICATING IF THE CLAY LINER SATISFIES THESE SPECIFICATIONS.

WHERE STORM SEWER, CULVERT OF OTHER STRUCTURE PASSES THROUGH NATIVE CLAY OR CLAY LINER, THE CONTRACTOR SHALL INSTALL CLAY LINER, BENTONITE OR CONCRETE SLURRY (2.0 BAG/C.Y. MIX) BEDDING IN LIEU OF GRAVEL BEDDING & BACKFILL. THE LINER & BENTONITE OR SLURRY SHALL MINIMIZE SEEPAGE ALONG THE OUTSIDE WALL OF THE STORM SEWER, CULVERT OR STRUCTURE INCLUDING AT THE PIPE JOINTS AND PIPE JOINTS. IF BENTONITE IS USED, THE BENTONITE SHALL BE POSITIONED BETWEEN PIPE JOINTS. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING ADEQUATE BEDDING SUPPORT FOR THE STORM SEWER, CULVERT OR STRUCTURE.



CLAY LINER DETAIL

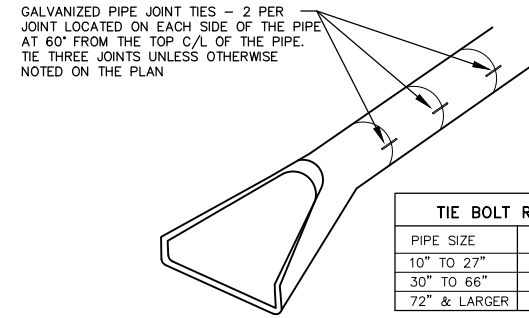


TRASH GUARD FOR FLARED ENDS

| BAR SIZES | | | | |
|-----------------|------------------|-----------|----------|--|
| STANDARD DESIGN | | | | |
| PIPE SIZE | HOLE DIA. REQ'D. | BOLT DIA. | BAR SIZE | |
| 10"-24" | 3/4" | 5/8" | 5/8" | |
| 27"-48" | 7/8" | 3/4" | 3/4" | |
| 54"-90" | 1 1/8" | 1" | 1" | |
| 22"-29" | 3/4" | 5/8" | 5/8" | |
| 36"-59" | 7/8" | 3/4" | 3/4" | |
| 65"-88" | 1 1/8" | 1" | 1" | |

BOLT LG. = PIPE WALL THK. + 2 1/2"

TRASH GUARD FOR FLARED ENDS



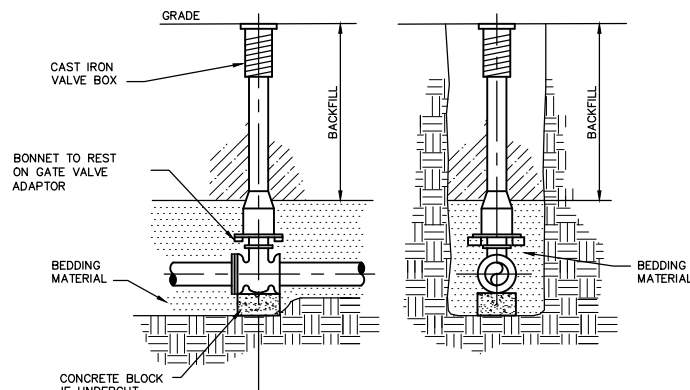
CONCRETE APRON DETAIL

| TIE BOLT REQUIREMENTS | | |
|-----------------------|----------|-------|
| PIPE SIZE | BAR DIA. | BOLTS |
| 10" TO 27" | 5/8" | 32" |
| 30" TO 66" | 3/4" | 32" |
| 72" & LARGER | 1" | 32" |

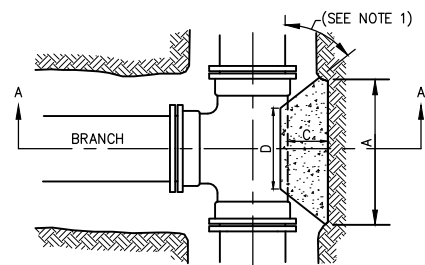
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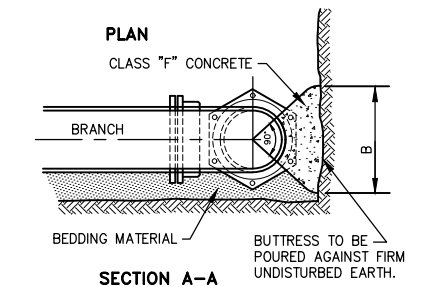


STANDARD VALVE & VALVE BOX SETTING

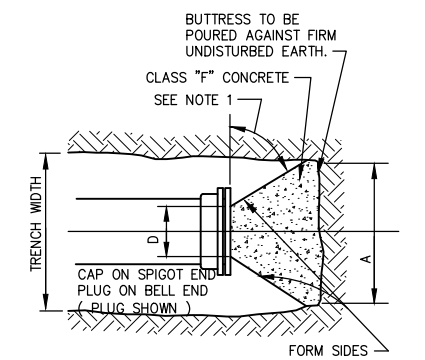


| BUTRESS DIMENSIONS | | | | |
|--------------------|-------|-------|------------|------------|
| B.D. | A | B | C | D |
| 6" | 1'-3" | 1'-0" | SEE NOTE 1 | SEE NOTE 2 |
| 8" | 1'-6" | 1'-4" | | |
| 12" | 2'-3" | 2'-0" | SEE NOTE 1 | SEE NOTE 2 |
| 16" | 3'-2" | 2'-6" | | |
| 20" | 4'-0" | 3'-0" | SEE NOTE 1 | SEE NOTE 2 |
| 24" | 5'-3" | 3'-4" | | |
| 30" | 6'-6" | 4'-3" | SEE NOTE 1 | SEE NOTE 2 |
| | | | | |

- NOTES:
- DIMENSION "C" SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45°.
 - DIMENSION "D" EQUALS APPROX. I.D. OF PIPE LESS 2". AN EFFORT SHOULD BE MADE TO PREVENT THE CONCRETE FROM COVERING THE M.J. BOLTS.
 - WHERE BUTTRESSES ARE NOT POSSIBLE BECAUSE OF POOR SOIL CONDITIONS OR LACK OF ROOM, STRAPPING SHALL BE PERMITTED.
 - DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND ON EARTH RESISTANCE OF 2 TONS PER SQ. FT.
 - ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.

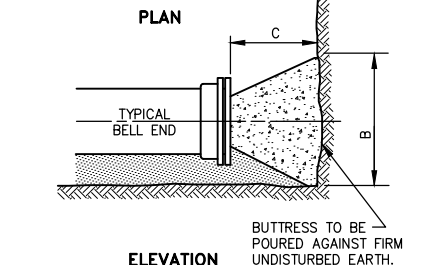


BLOCKING FOR TEES

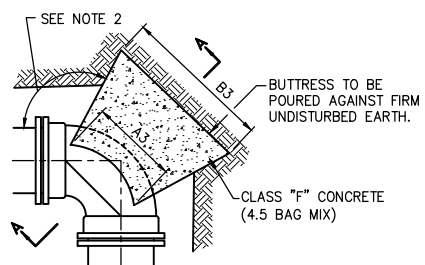


| BUTRESS DIMENSIONS | | | | |
|--------------------|-------|--------|------------|------------|
| DIA. | A | B | C | D |
| 6" | 1'-6" | 1'-2" | SEE NOTE 2 | SEE NOTE 3 |
| 8" | 2'-0" | 1'-4" | | |
| 12" | 2'-5" | 1'-10" | SEE NOTE 2 | SEE NOTE 3 |
| 16" | 3'-4" | 2'-4" | | |
| 20" | 4'-3" | 2'-10" | SEE NOTE 2 | SEE NOTE 3 |
| 24" | 5'-2" | 3'-4" | | |
| 30" | 6'-9" | 4'-0" | SEE NOTE 2 | SEE NOTE 3 |
| | | | | |

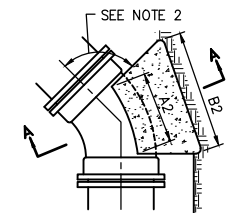
- NOTES:
- DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND ON EARTH RESISTANCE OF 2 TONS PER SQ. FT.
 - DIMENSION C SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45°.
 - DIMENSION D SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH M.J. BOLTS.
 - SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.
 - ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.



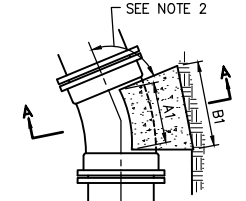
BLOCKING FOR PLUGS



PLAN - 90° BEND

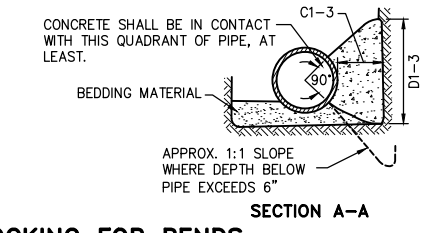


PLAN - 45° BEND



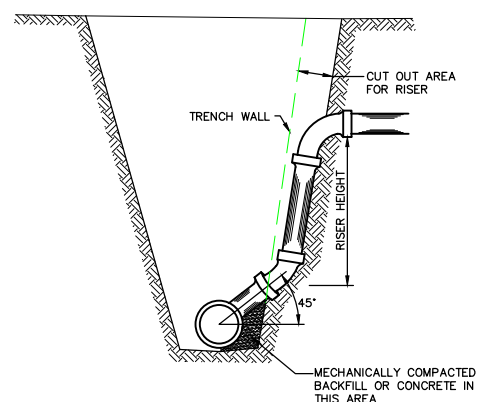
PLAN - 22-1/2° BEND

| PIPE SIZE | BUTRESS DIMENSIONS | | | | | |
|-----------|--------------------|-------|-----------|--------|-----------|--------|
| | 22-1/2° BENDS | | 45° BENDS | | 90° BENDS | |
| | B1 | D1 | B2 | D2 | B3 | D3 |
| 6" | 1'-0" | 1'-0" | 1'-0" | 1'-0" | 1'-4" | 1'-2" |
| 8" | 1'-0" | 1'-0" | 1'-4" | 1'-2" | 1'-10" | 1'-6" |
| 12" | 1'-4" | 1'-4" | 1'-10" | 1'-10" | 2'-0" | 2'-3" |
| 16" | 1'-10" | 1'-8" | 2'-6" | 2'-4" | 3'-10" | 2'-10" |
| 20" | 2'-4" | 2'-0" | 3'-3" | 2'-10" | 3'-0" | 3'-4" |
| 24" | 2'-10" | 2'-4" | 4'-0" | 3'-3" | 6'-4" | 3'-10" |
| 30" | 3'-6" | 3'-0" | 5'-4" | 3'-10" | 8'-0" | 4'-8" |

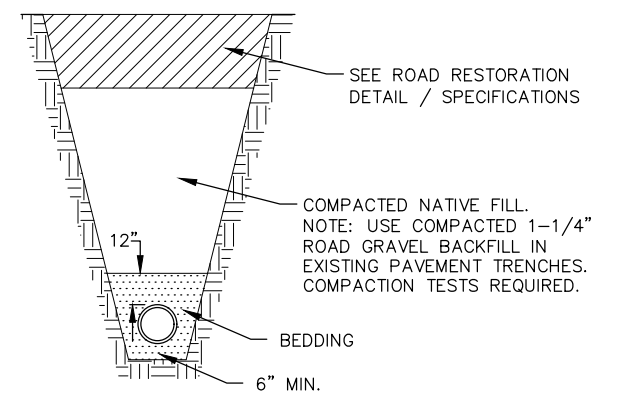


SECTION A-A BLOCKING FOR BENDS

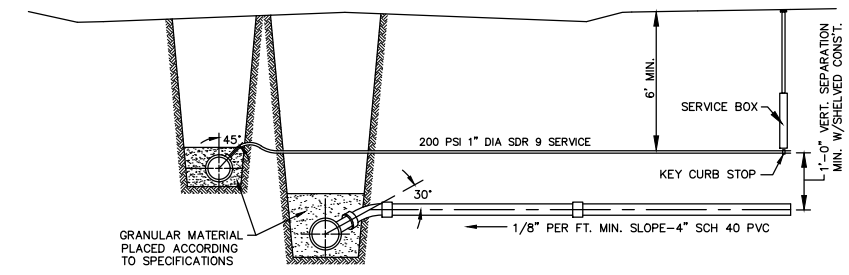
- NOTES:
- DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 P.S.I. AND ON EARTH RESISTANCE OF 2 TONS PER SQ. FT.
 - DIMENSION C1-3 SHOULD BE LARGE ENOUGH TO MAKE ANGLE EQUAL TO OR LARGER THAN 45°.
 - DIMENSION A1-3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH M.J. BOLTS.
 - SHAPE OF BACK OF BUTTRESS MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.
 - ALL IRON PIPE AND FITTINGS SHALL BE WRAPPED IN POLYETHYLENE.



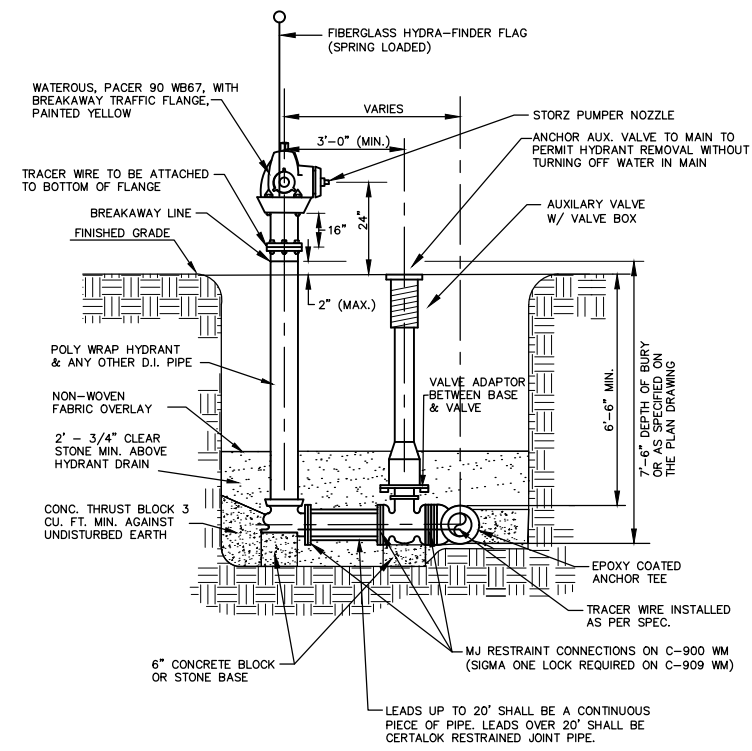
SANITARY LATERAL RISER



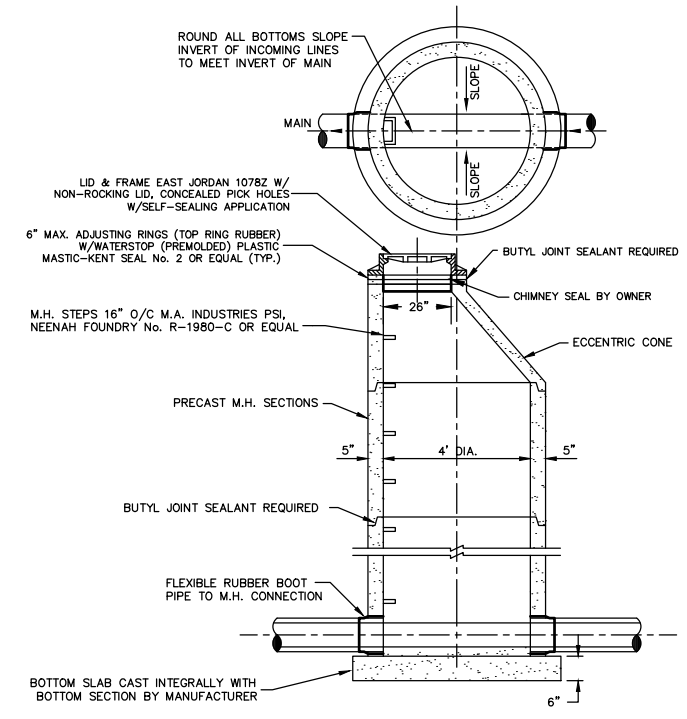
TYPICAL TRENCH DETAIL



TYPICAL CONNECTION SEWER & WATER



HYDRANT & VALVE INSTALLATION DETAIL



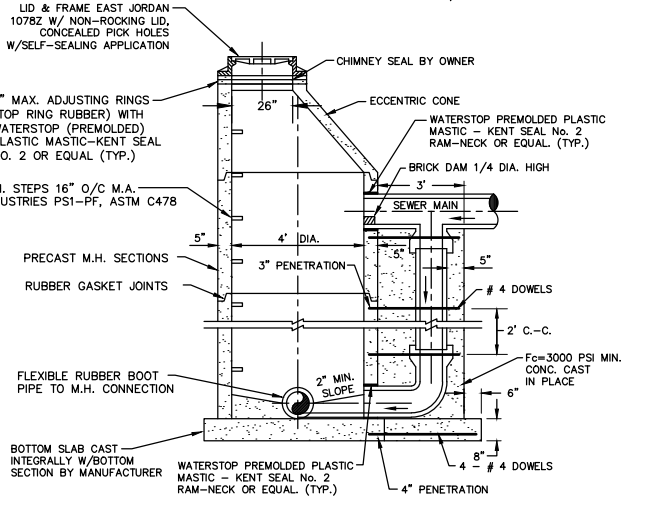
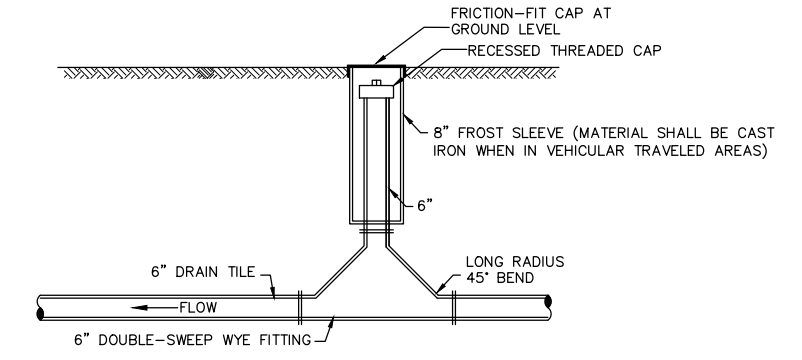
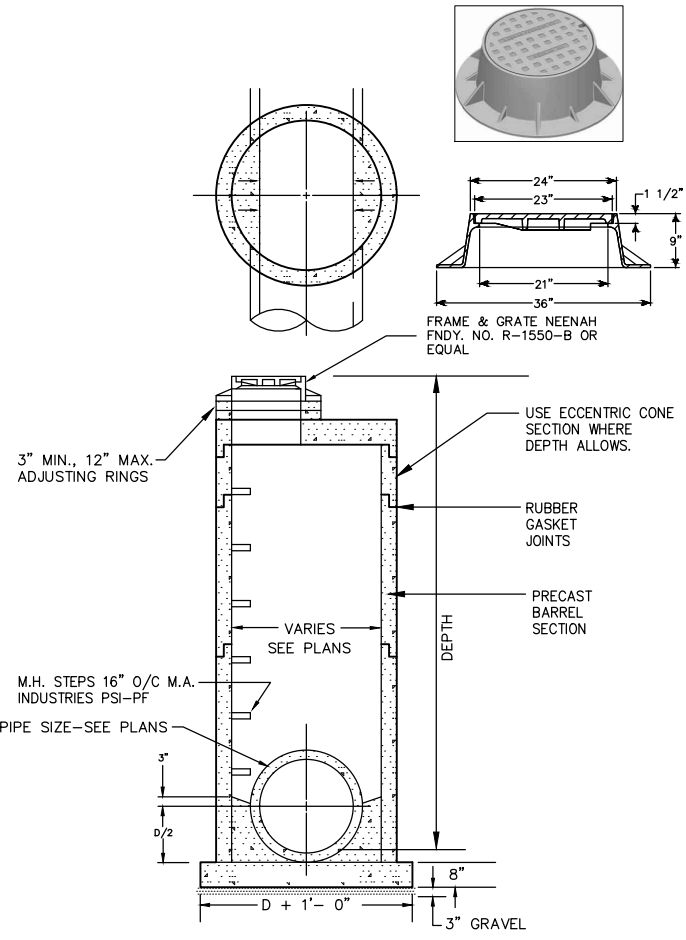
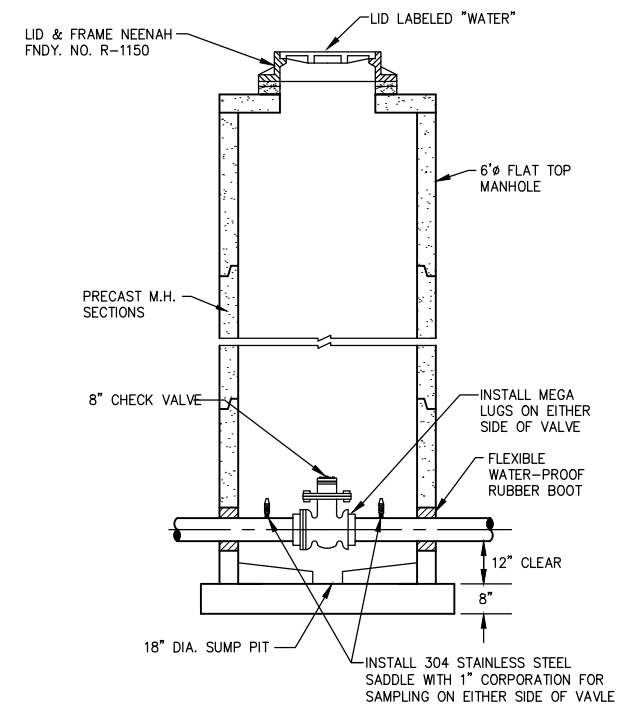
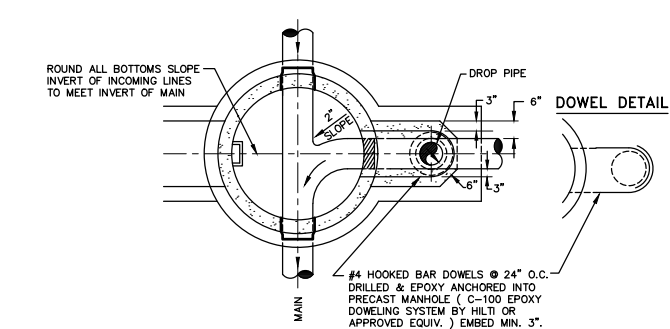
STANDARD PRECAST SANITARY MANHOLE

10/23/2023 7:47 AM, xref:fontone, 31 miscellaneous details, Plot Date: 6/9/2023 7:47 AM, xref:fontone

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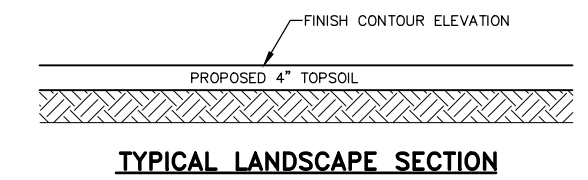


DITCH DRAIN TILE CLEANOUT DETAIL

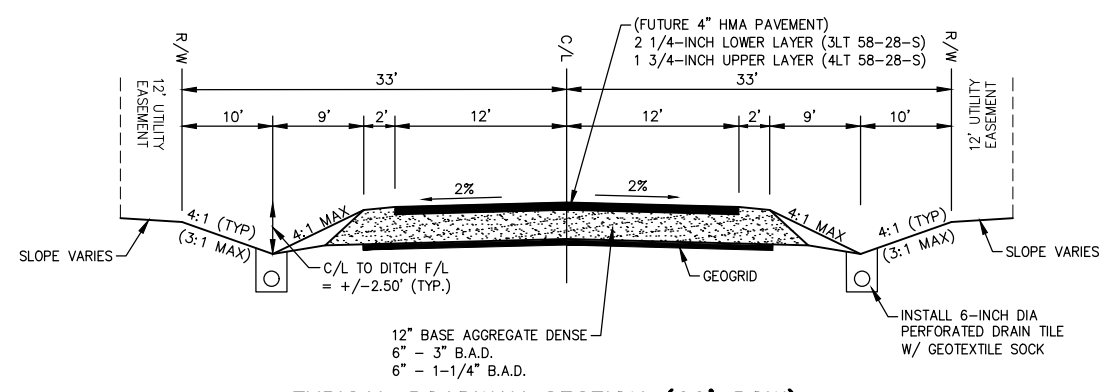
STANDARD PRECAST DROP MANHOLE

CHECK VALVE MANHOLE

STORM MH DETAIL

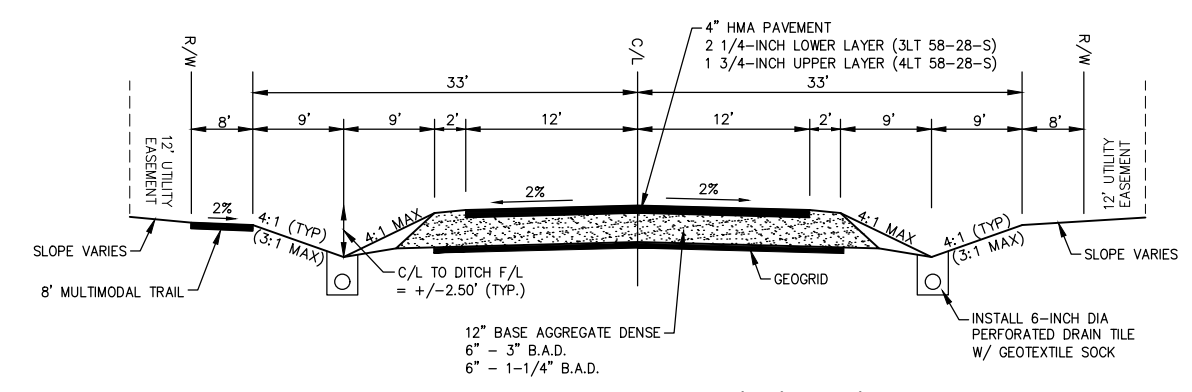


TYPICAL LANDSCAPE SECTION



TYPICAL ROADWAY SECTION (66' ROW)

- NOTES:
- RESTORE DITCHES WITH 4" TOPSOIL, SEED, FERTILIZER & CLASS I TYPE A EROSION MAT.
 - EXTEND GRAVEL BASE 1' BEYOND BACK OF CURB IN AREAS WHERE CURB AND GUTTER IS PROPOSED. ROAD SHOULDER IS NOT REQUIRED BEHIND CURB.



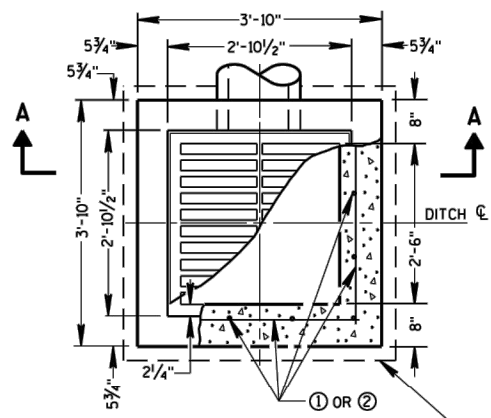
TYPICAL ROADWAY SECTION (80' ROW)

- NOTES:
- RESTORE DITCHES WITH 4" TOPSOIL, SEED, FERTILIZER & CLASS I TYPE A EROSION MAT.
 - EXTEND GRAVEL BASE 1' BEYOND BACK OF CURB IN AREAS WHERE CURB AND GUTTER IS PROPOSED. ROAD SHOULDER IS NOT REQUIRED BEHIND CURB.

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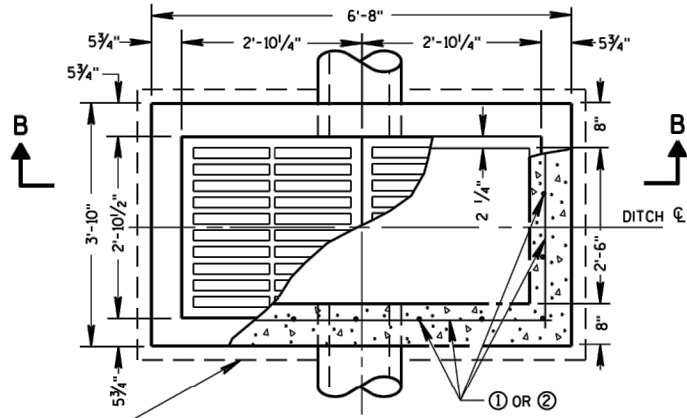
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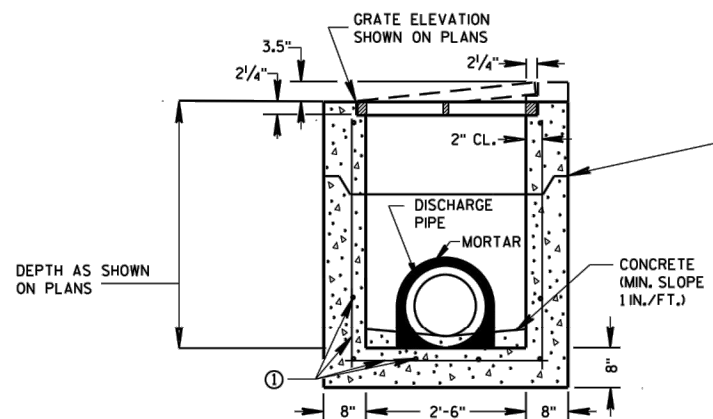


PLAN VIEW

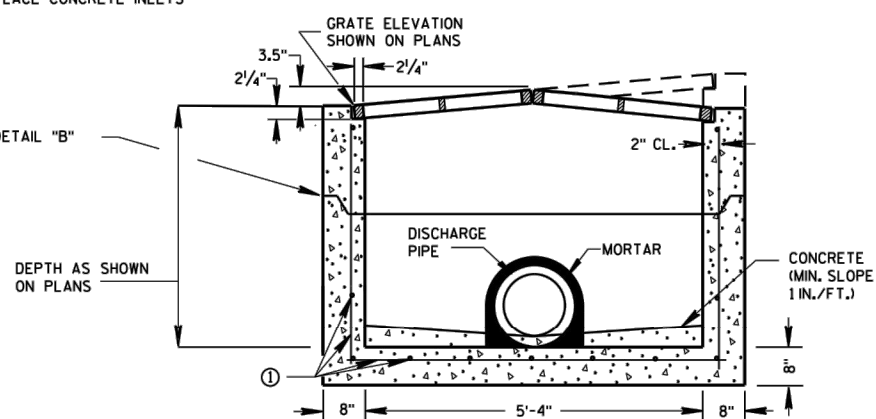
4" OVERHANGING BASE ON REINFORCED CAST-IN-PLACE CONCRETE INLETS



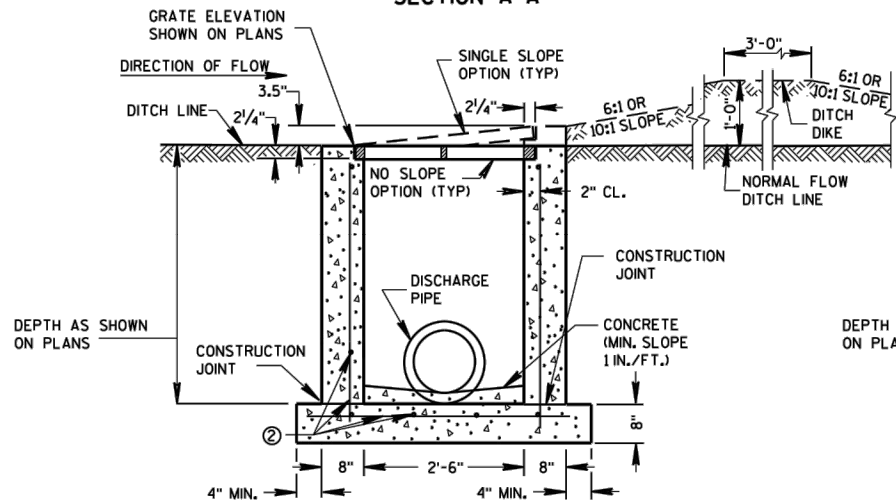
PLAN VIEW



PRECAST REINFORCED CONCRETE SECTION A-A

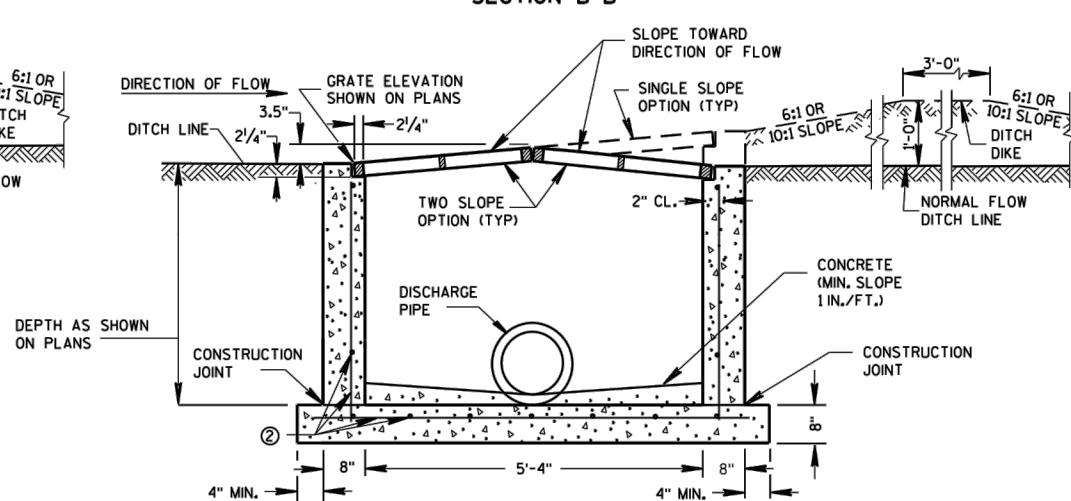


PRECAST REINFORCED CONCRETE SECTION B-B



REINFORCED CAST-IN-PLACE CONCRETE SECTION A-A

INLETS MEDIAN 1 GRATE



REINFORCED CAST-IN-PLACE CONCRETE SECTION B-B

INLETS MEDIAN 2 GRATE

GENERAL NOTES

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.

UNLESS OTHERWISE AUTHORIZED IN WRITING BY THE ENGINEER, THE CONTRACTOR SHALL NOT ORDER AND DELIVER PRECAST INLET UNITS REQUIRED FOR THE PROJECT UNTIL A LIST OF SIZES IS FURNISHED BY THE ENGINEER.

DETAILED DRAWINGS FOR PROPOSED ALTERNATE DESIGNS FOR INLETS WHICH MAY INCLUDE PRECAST REINFORCED CONCRETE INLETS, SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL PROVIDING THAT SUCH ALTERNATE DESIGNS MAKE PROVISION FOR EQUIVALENT CAPACITY AND STRENGTH.

ALL MEDIAN INLETS ARE DESIGNATED ON THE PLANS AS "INLETS, 1G-MS", ETC. THE FIRST NUMBER AND LETTER DESIGNATE THE TYPE OF STRUCTURE, AND THE FOLLOWING LETTERS DESIGNATE THE TYPE OF COVER TO BE USED TO COMPRISE THE COMPLETE UNIT. BASES SHALL BE PLACED ON A BED OF MATERIAL AT LEAST 6 INCHES IN DEPTH, WHICH MEETS THE REQUIREMENTS OF FOUNDATION BACKFILL. THIS BEDDING SHALL BE COMPACTED AND PROVIDE UNIFORM SUPPORT FOR THE ENTIRE AREA OF THE BASE.

ALL BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2 INCHES CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

PRECAST REINFORCED RISERS SHALL HAVE A TONGUE AND GROOVE JOINT WITH TONGUE UP OR DOWN.

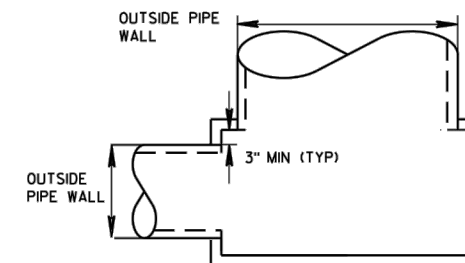
ALL PRECAST INLET UNITS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF ASTM C 913.

MAXIMUM INSIDE PIPE DIAMETER DETERMINED BY 3" CLEARANCE ON EACH SIDE OF THE OUTSIDE WALL OF THE PIPE. SEE DETAIL "A". ASSUMES PIPE ENTERS PERPENDICULAR TO THE STRUCTURE.

- ① FOR PRECAST INLETS PROVIDE REINFORCING STEEL IN ACCORDANCE TO ASTM C 913.
- ② CONTRACTOR TO PROVIDE DRAWING(S) STAMPED BY A PROFESSIONAL ENGINEER FOR STEEL REINFORCING DESIGN FOR CAST-IN-PLACE STRUCTURES.

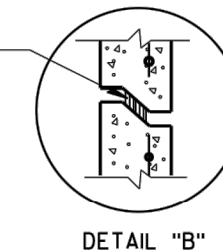
PIPE MATRIX

| INLET SIZE | MAXIMUM INSIDE PIPE DIAMETER | |
|------------|------------------------------|-------------|
| | WIDTH (IN) | LENGTH (IN) |
| 1 GRATE | 18 | 18 |
| 2 GRATE | 18 | 42 |



DETAIL "A"

JOINTS TO BE SEALED WITH A BUTYL RUBBER SEAL PER SEALANT MANUFACTURERS RECOMMENDATIONS CONFORMING TO ASTM C 990 (TYP)



DETAIL "B"

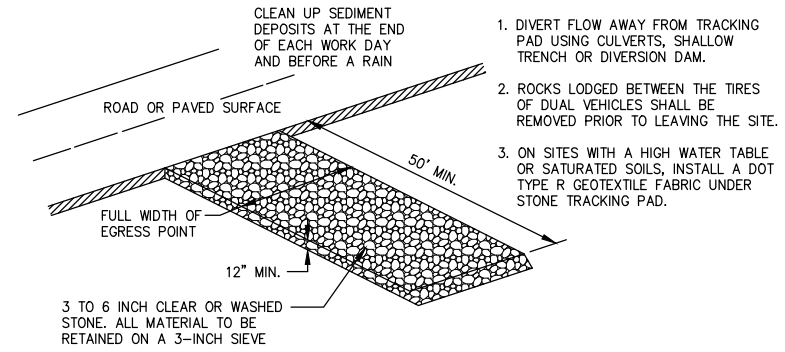
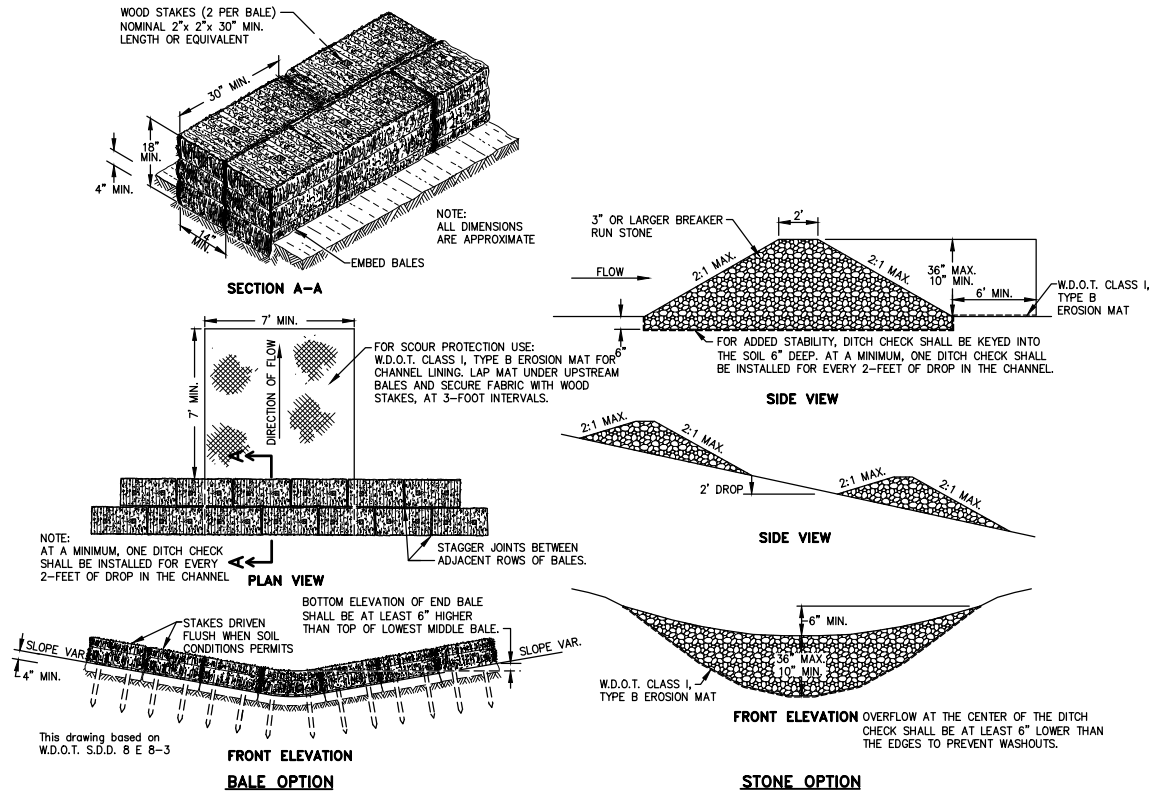
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SCHOLAR RIDGE ESTATES - PHASE 1
 TOWN OF CLAYTON
 MISCELLANEOUS DETAILS

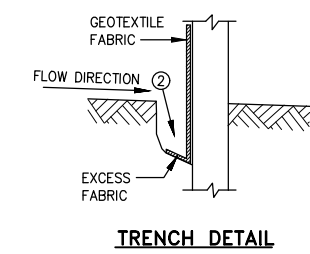
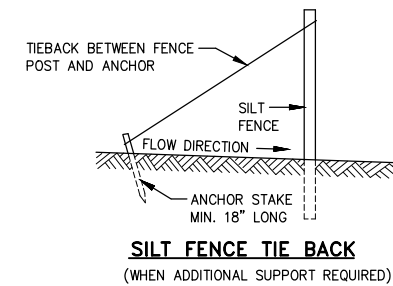
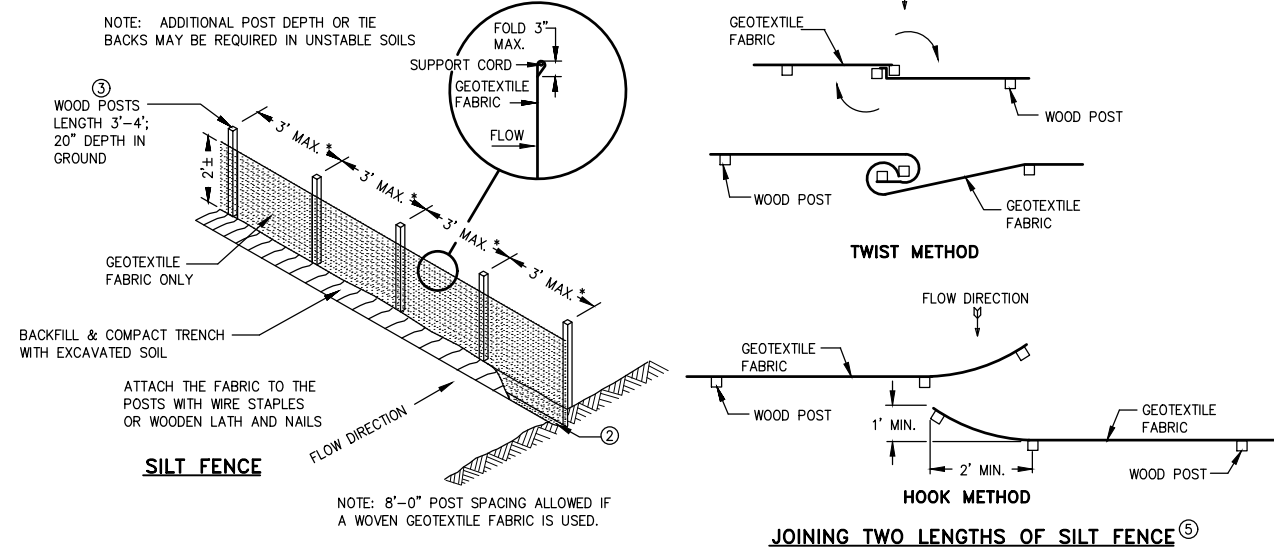
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TRACKING PAD DETAIL



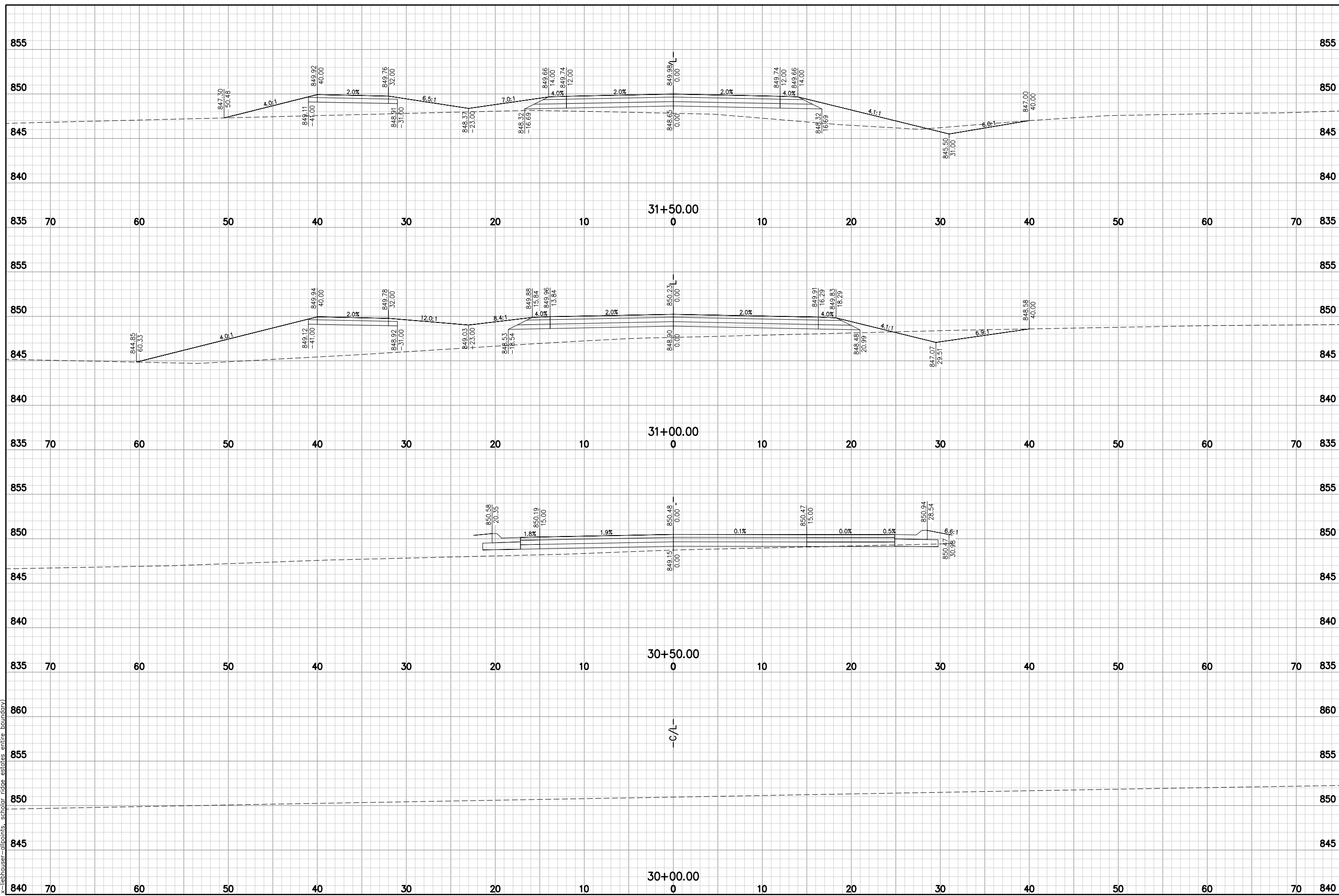
SILT FENCE DETAIL

- GENERAL NOTES**
- HORIZONTAL BRACE REQUIRED WITH 2" x 4" WOODEN FRAME OR EQUIVALENT AT TOP OF POSTS.
 - TRENCH SHALL BE A MINIMUM OF 4" WIDE & 6" DEEP TO BURY AND ANCHOR THE GEOTEXTILE FABRIC. FOLD MATERIAL TO FIT TRENCH AND BACKFILL & COMPACT TRENCH WITH EXCAVATED SOIL.
 - WOOD POSTS SHALL BE A MINIMUM SIZE OF 1 1/8" X 1 1/8" OF OAK OR HICKORY
 - SILT FENCE TO EXTEND ACROSS THE TOP OF THE PIPE.
 - CONSTRUCT SILT FENCE FROM A CONTINUOUS ROLL IF POSSIBLE BY CUTTING LENGTHS TO AVOID JOINTS. IF A JOINT IS NECESSARY USE ONE OF THE FOLLOWING TWO METHODS; A) OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK THE END OF EACH SILT FENCE LENGTH.

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 x-libhauser-salpoints, scholar ridge estates entire boundary)



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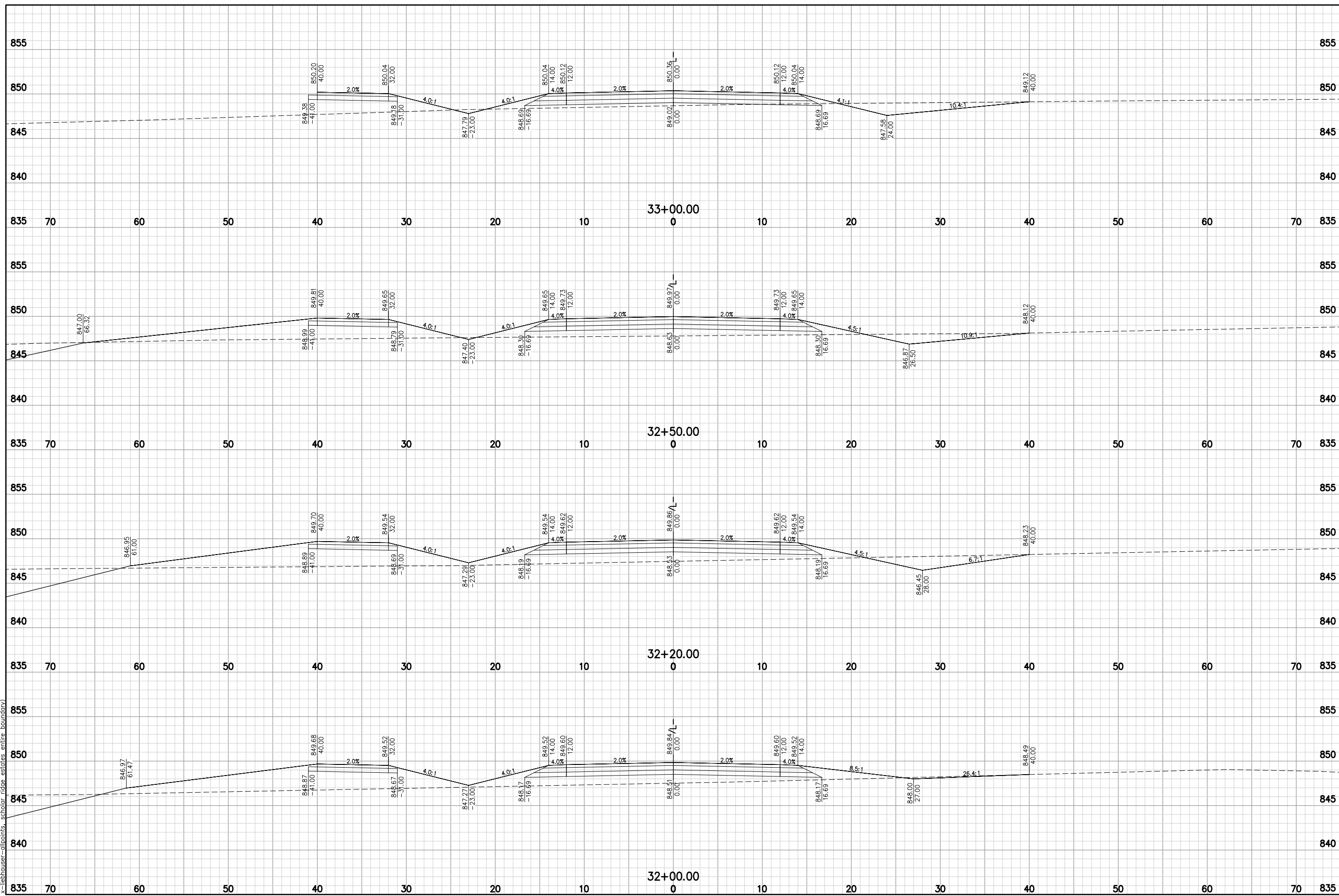
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
MARLO AVE

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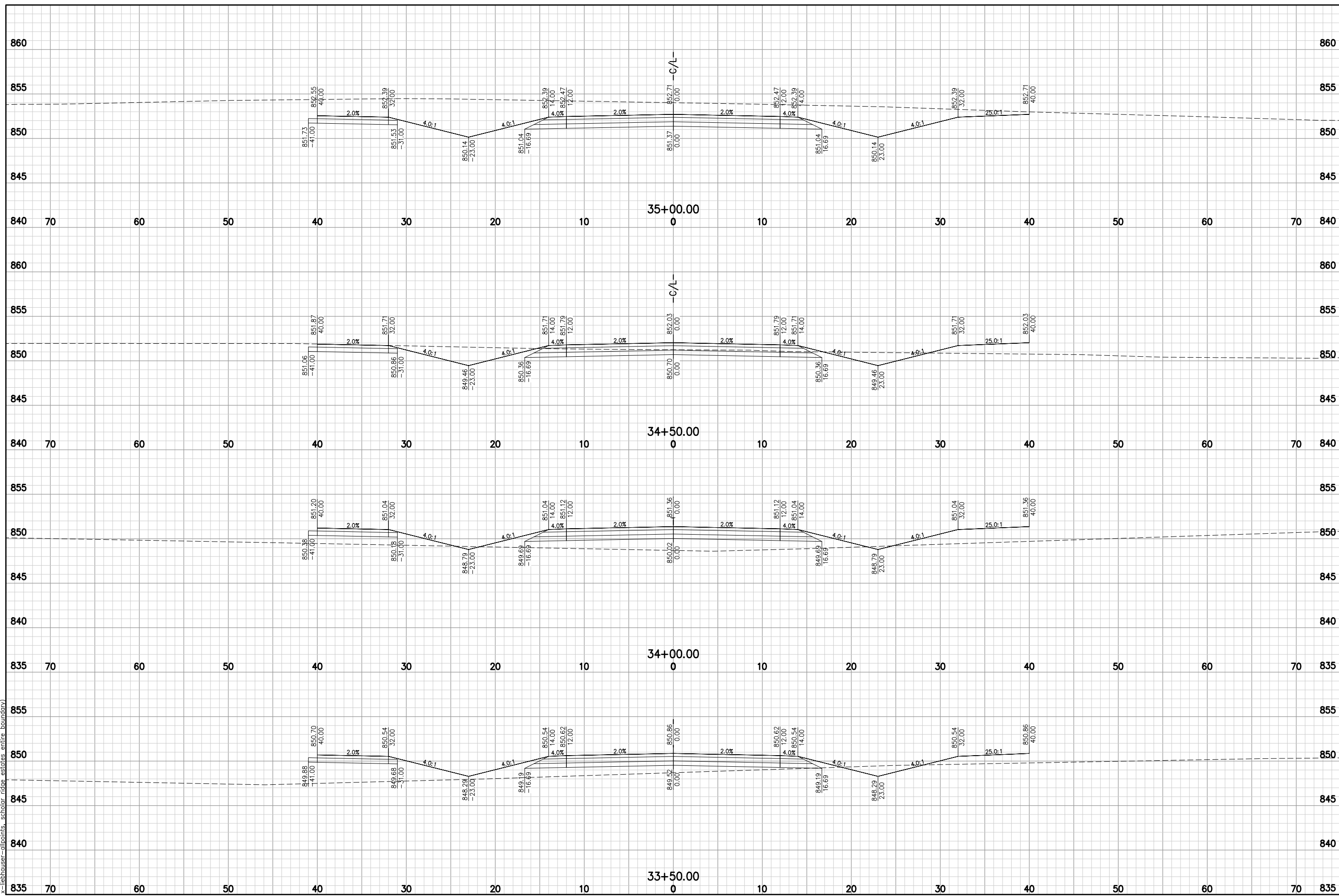
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SCHOLAR RIDGE ESTATES - PHASE 1
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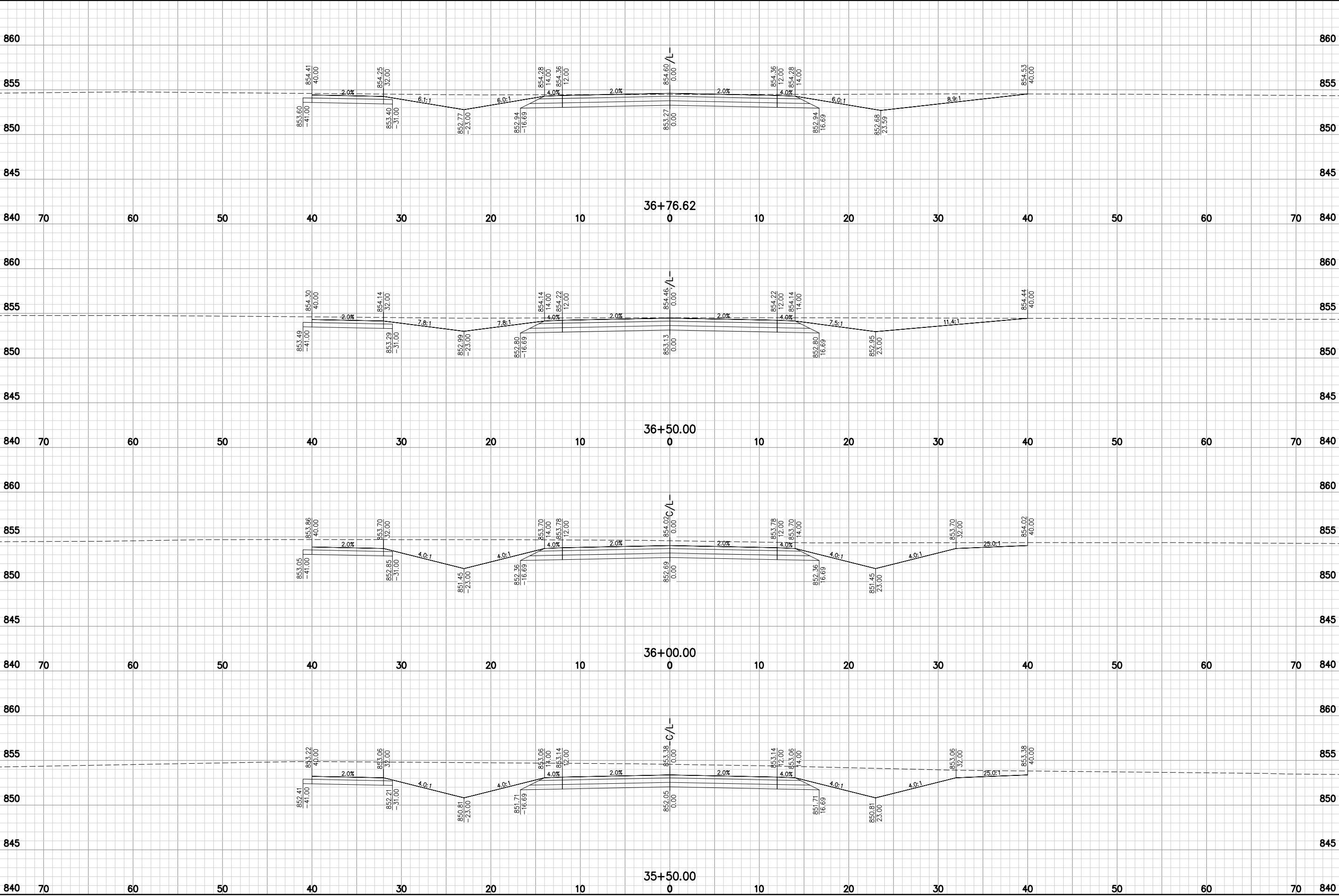
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
MARLO AVE

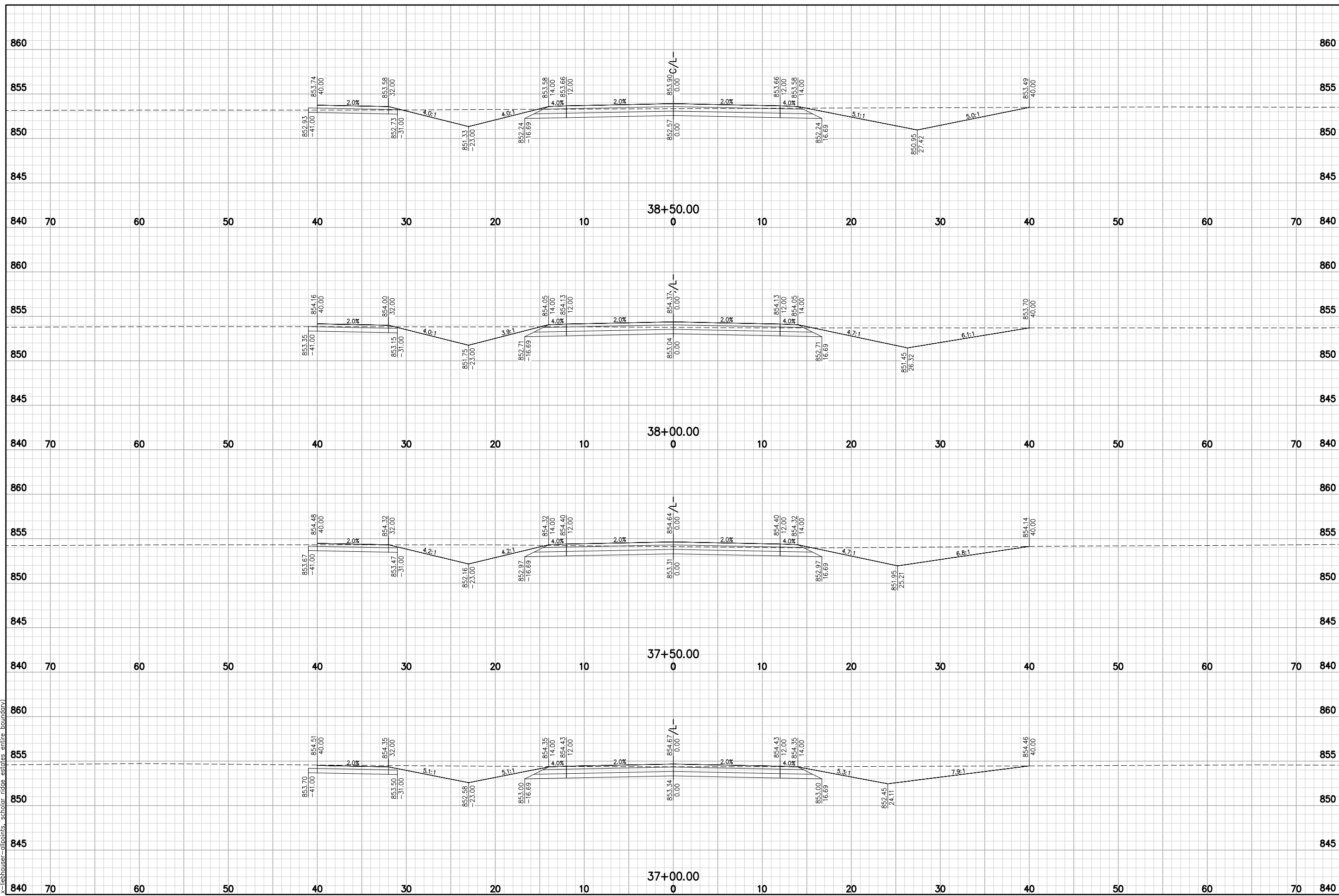
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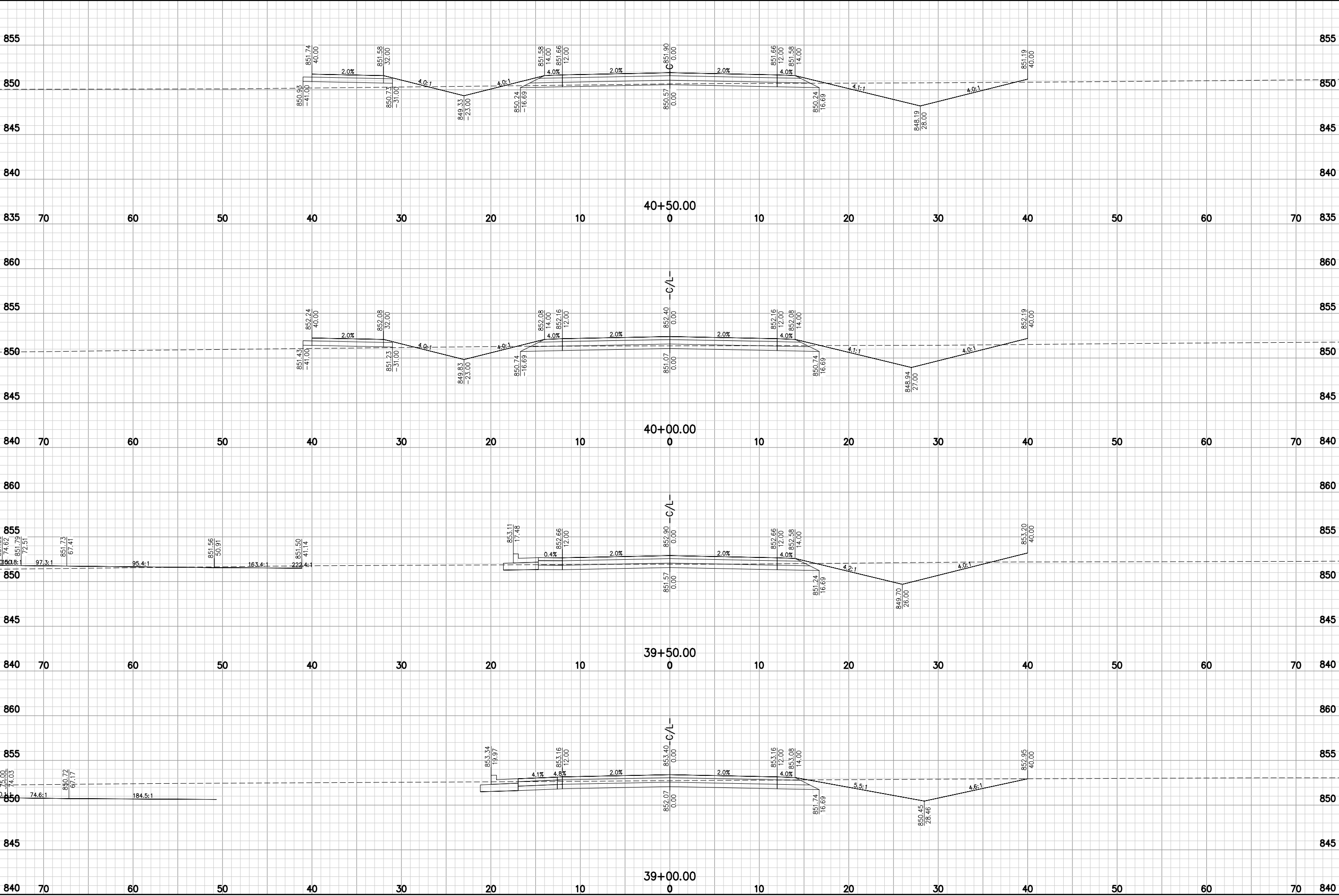
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
MARLO AVE

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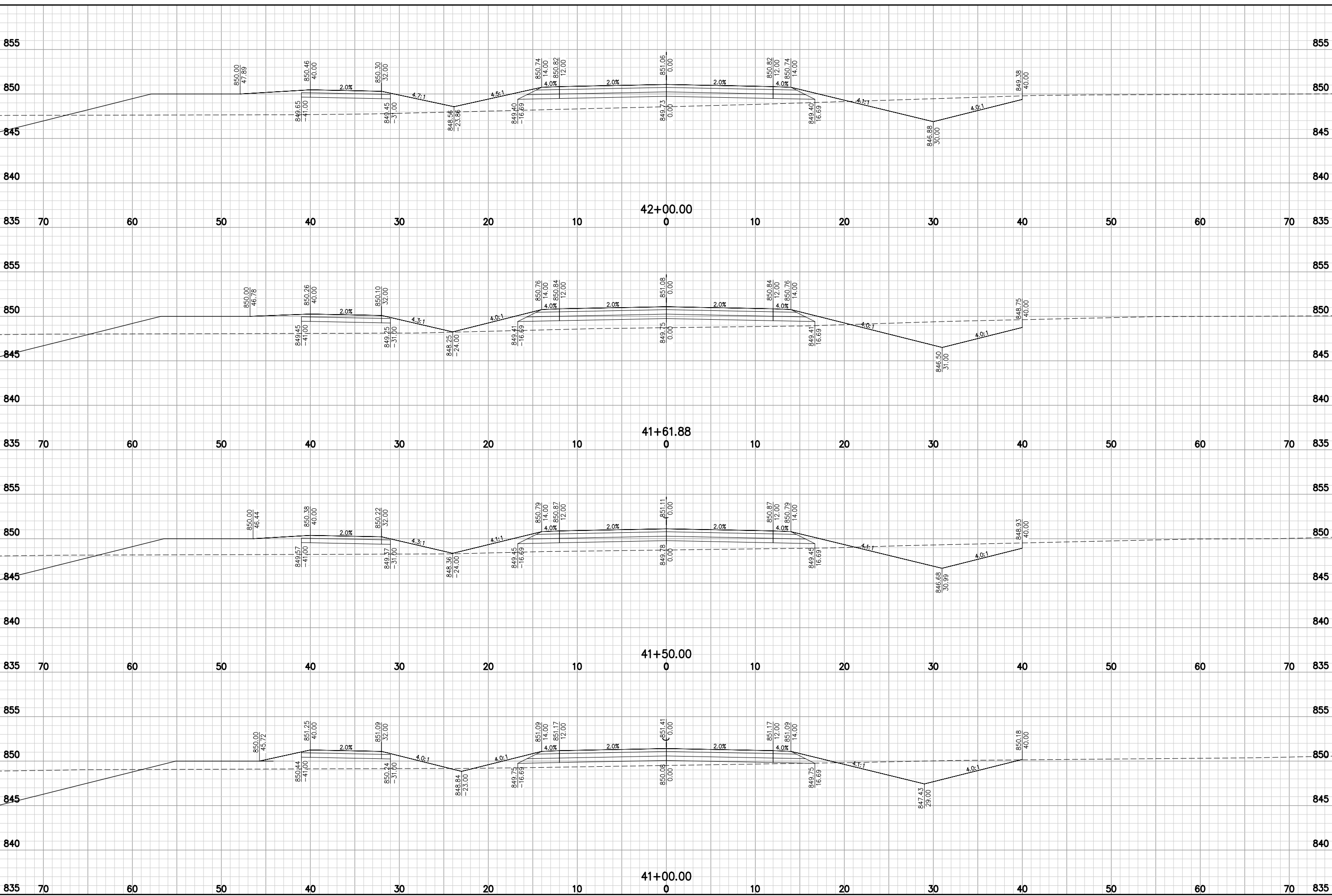
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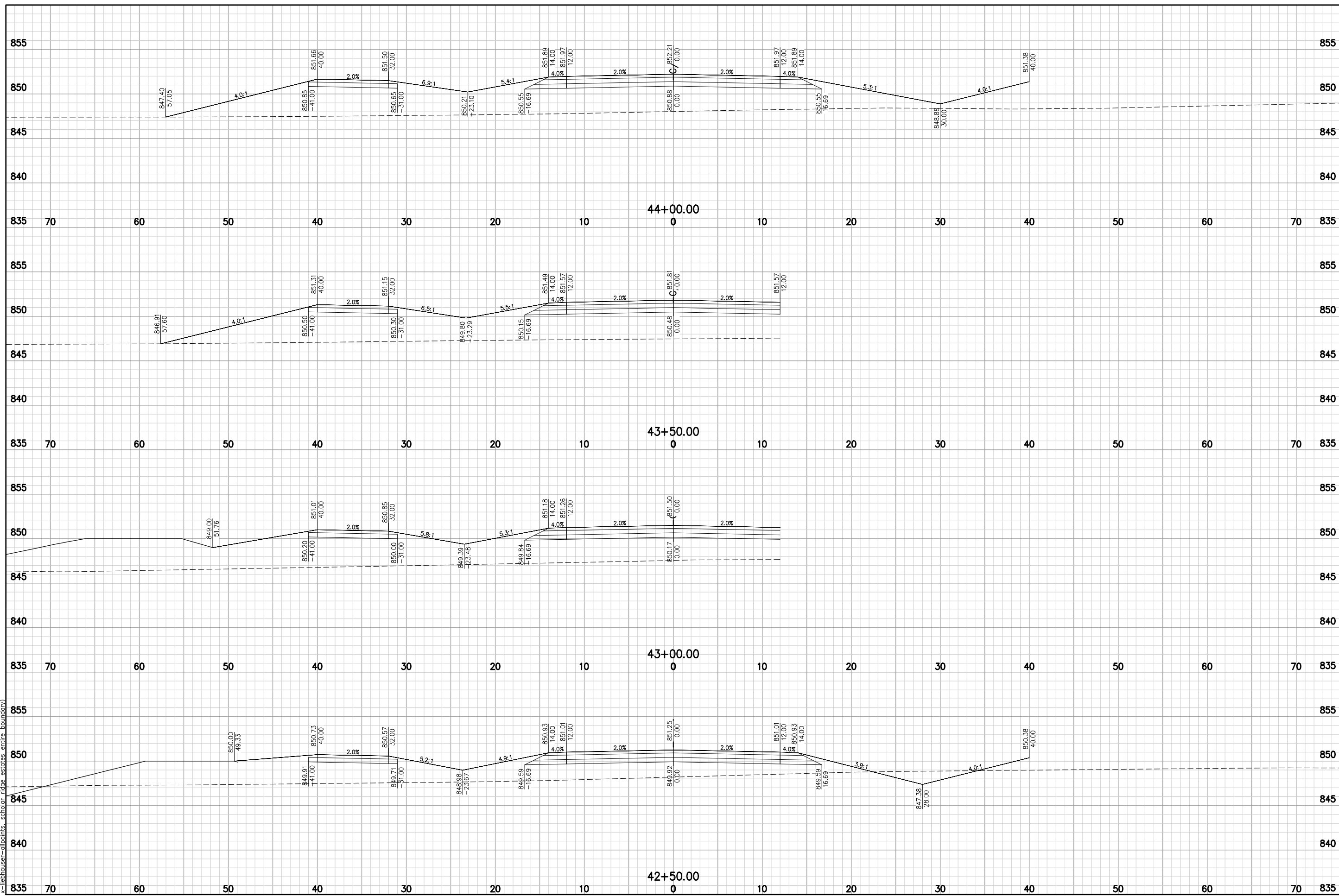
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MARLO AVE

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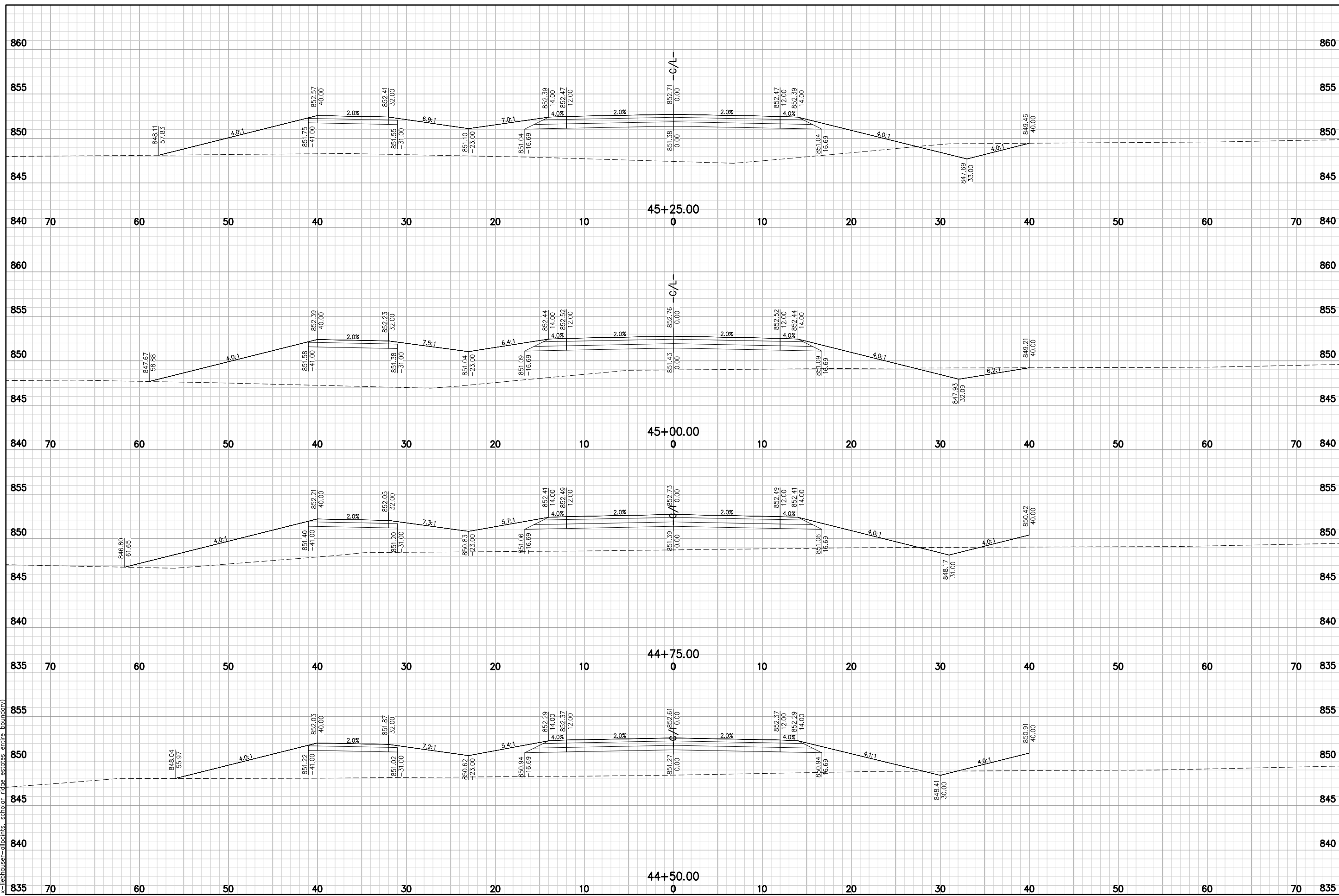
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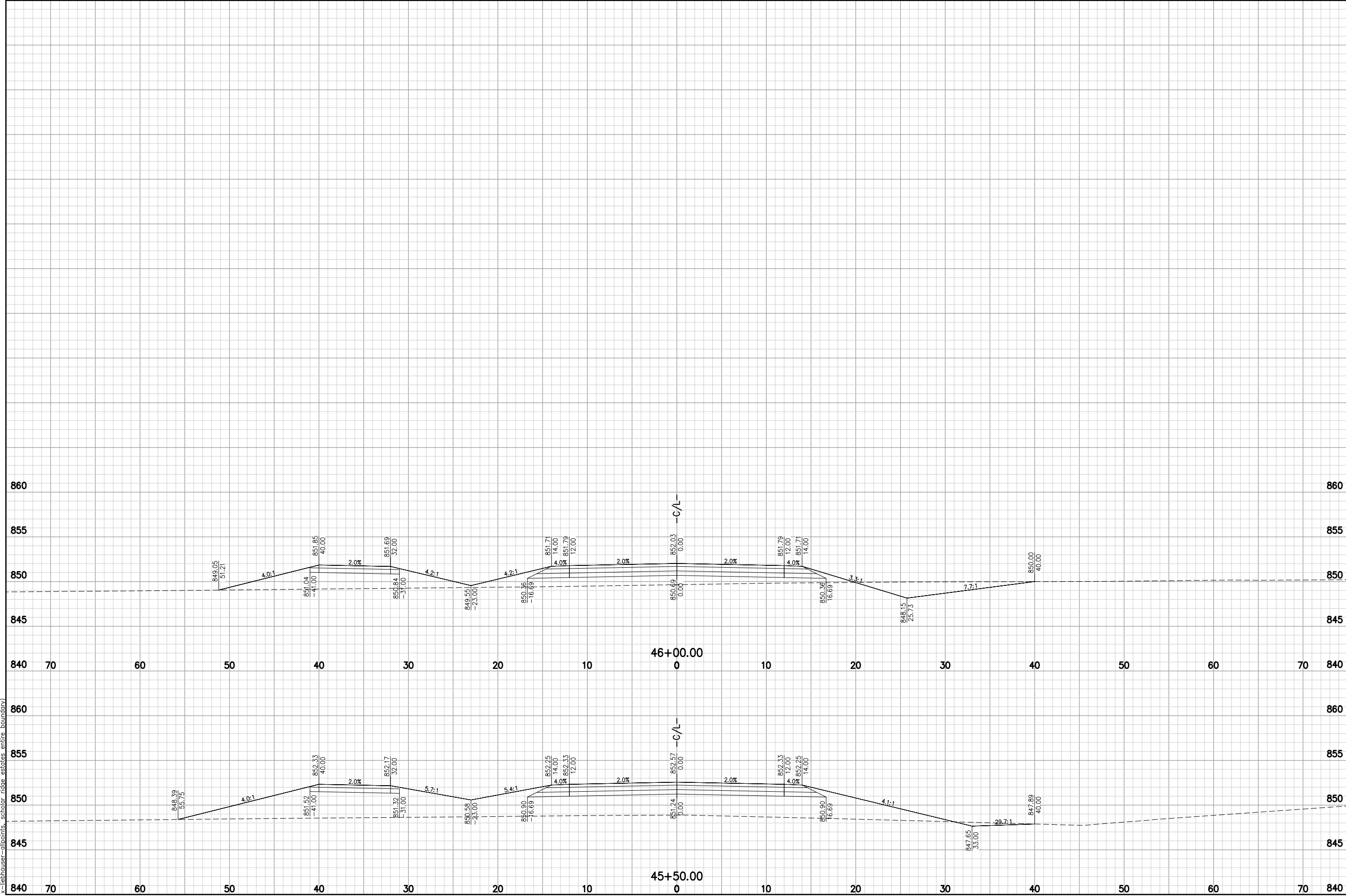
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SCHOLAR RIDGE ESTATES - PHASE 1
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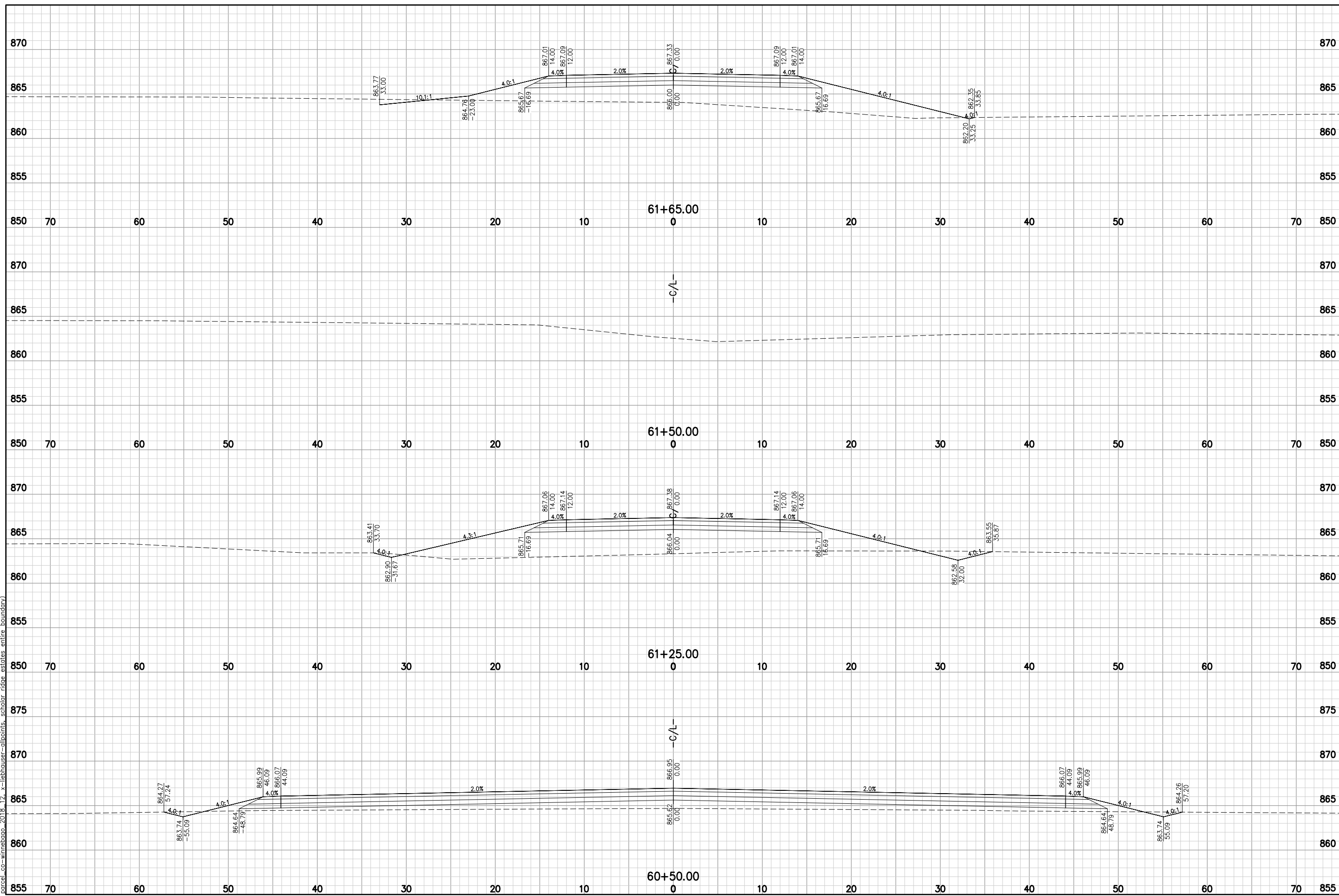
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SCHOLAR RIDGE ESTATES - PHASE 1
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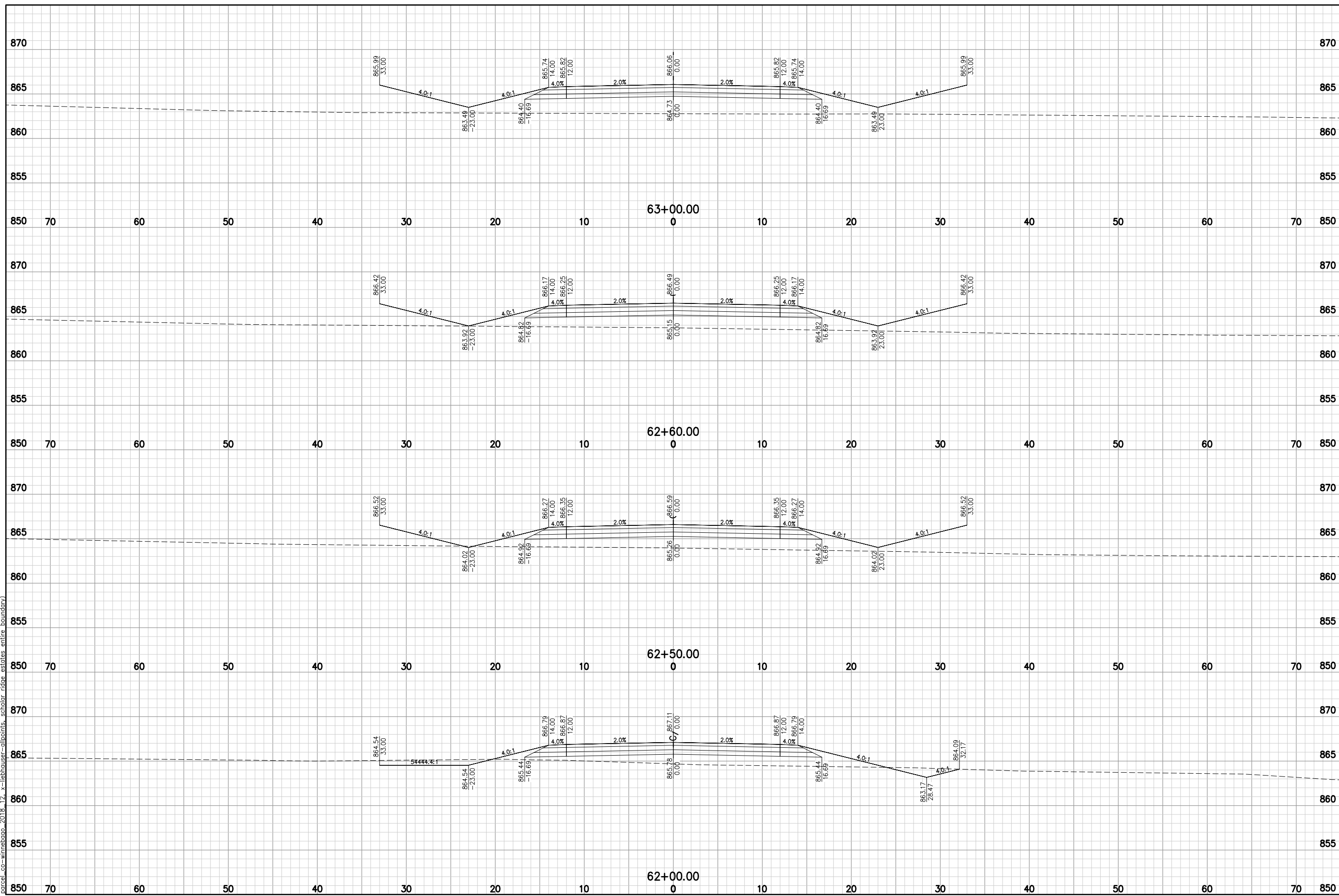
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SCHOLAR RIDGE ESTATES - PHASE 1
 TOWN OF CLAYTON
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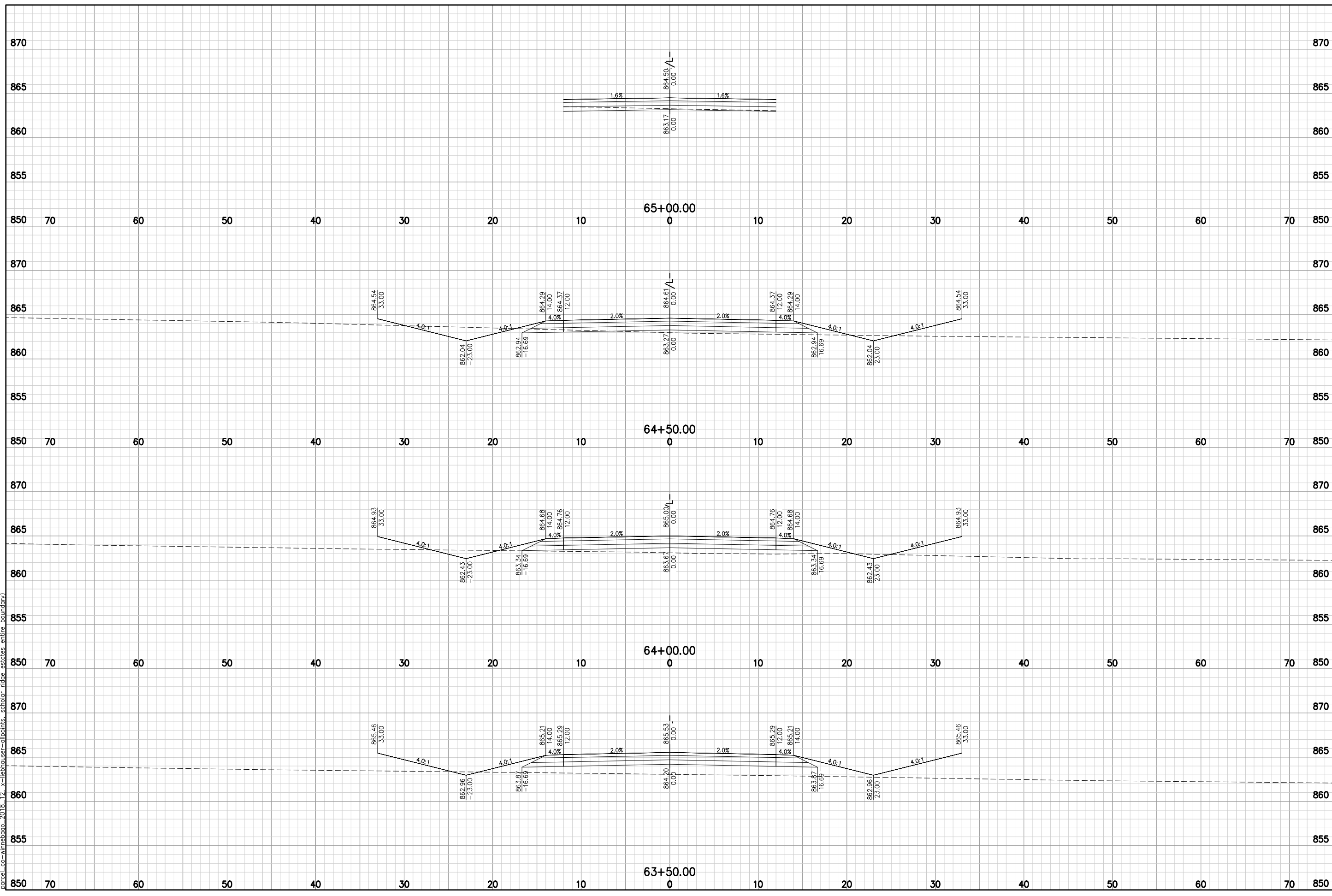
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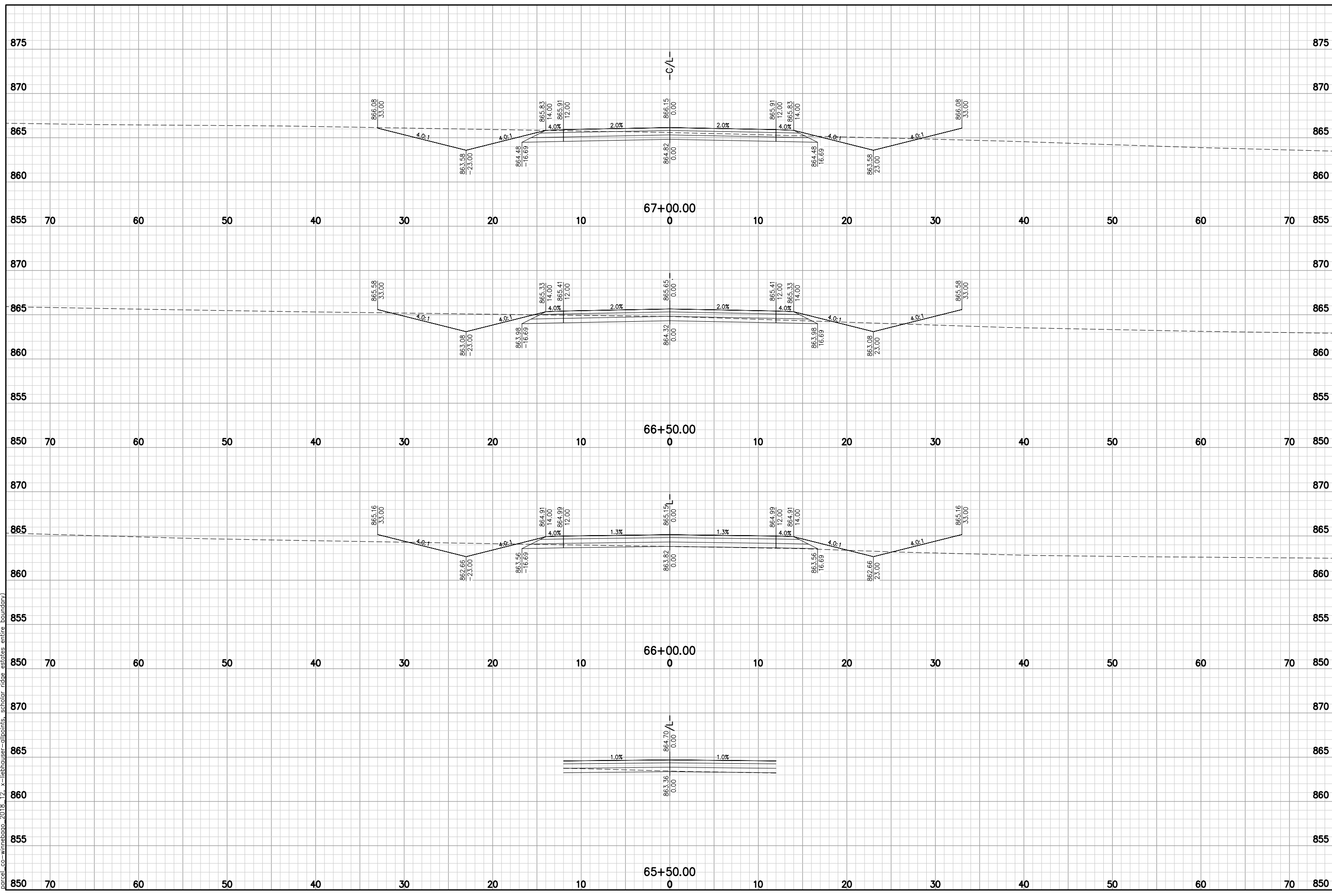
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
PRINCETON DR

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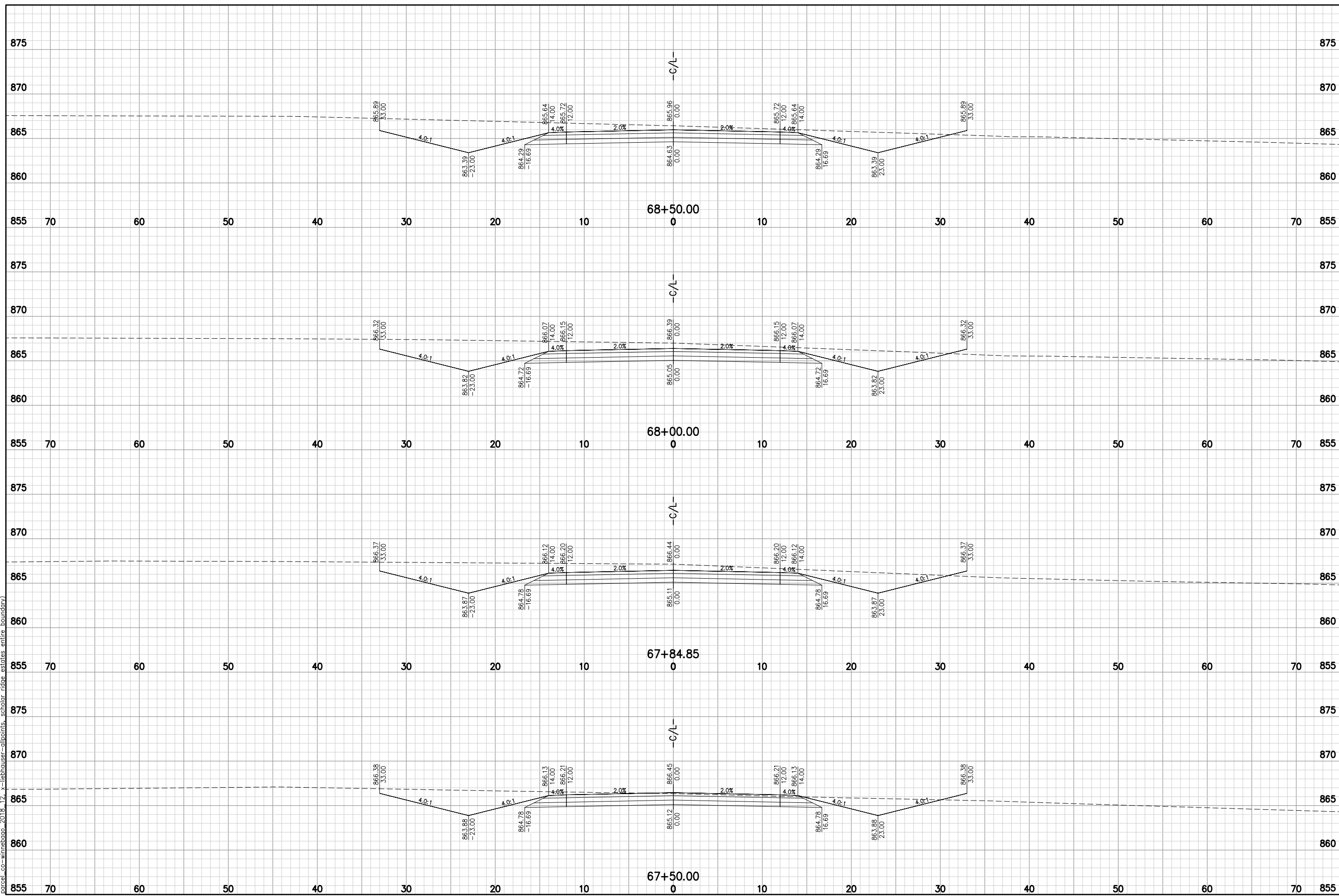
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SCHOLAR RIDGE ESTATES - PHASE 1
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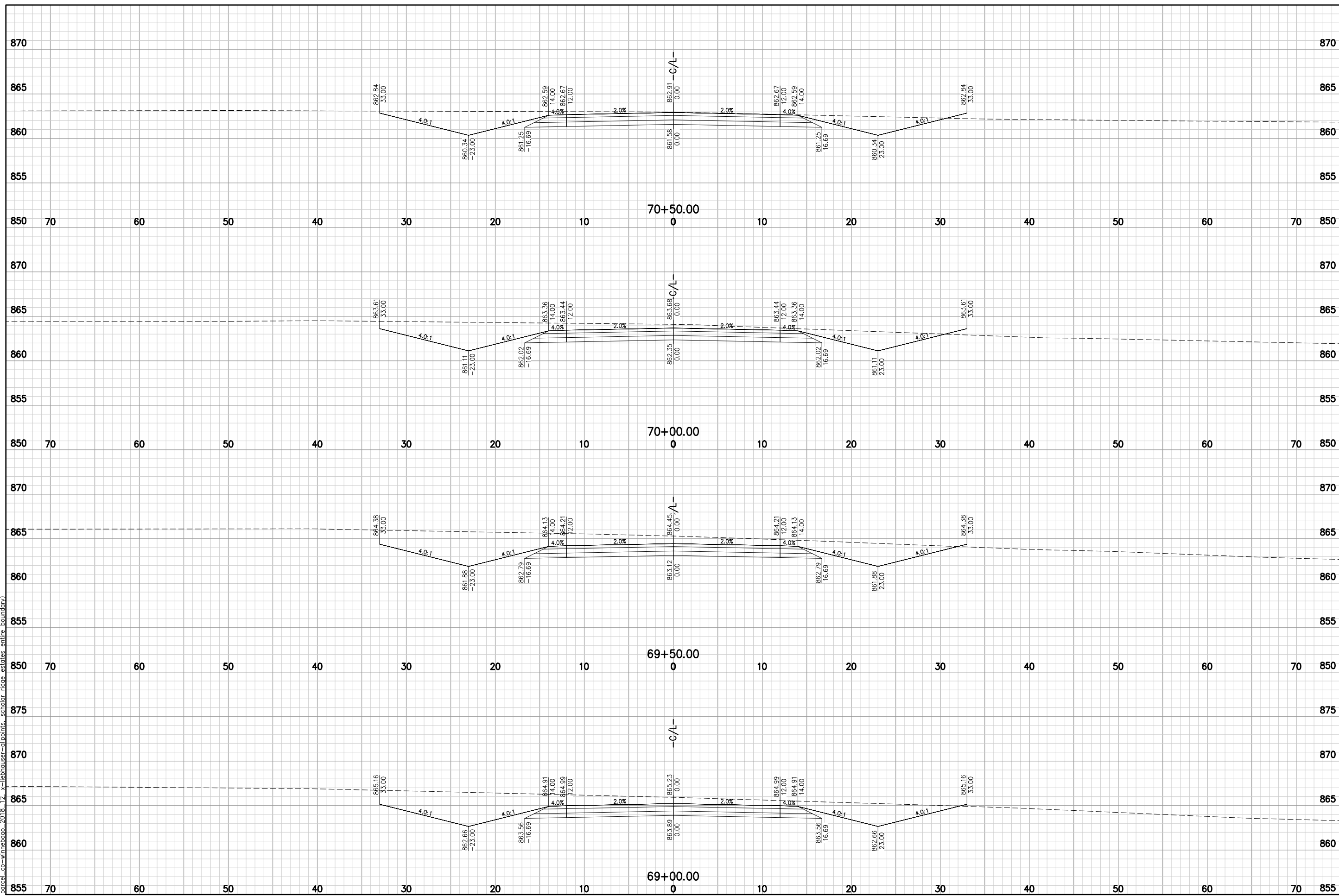
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SCHOLAR RIDGE ESTATES - PHASE 1
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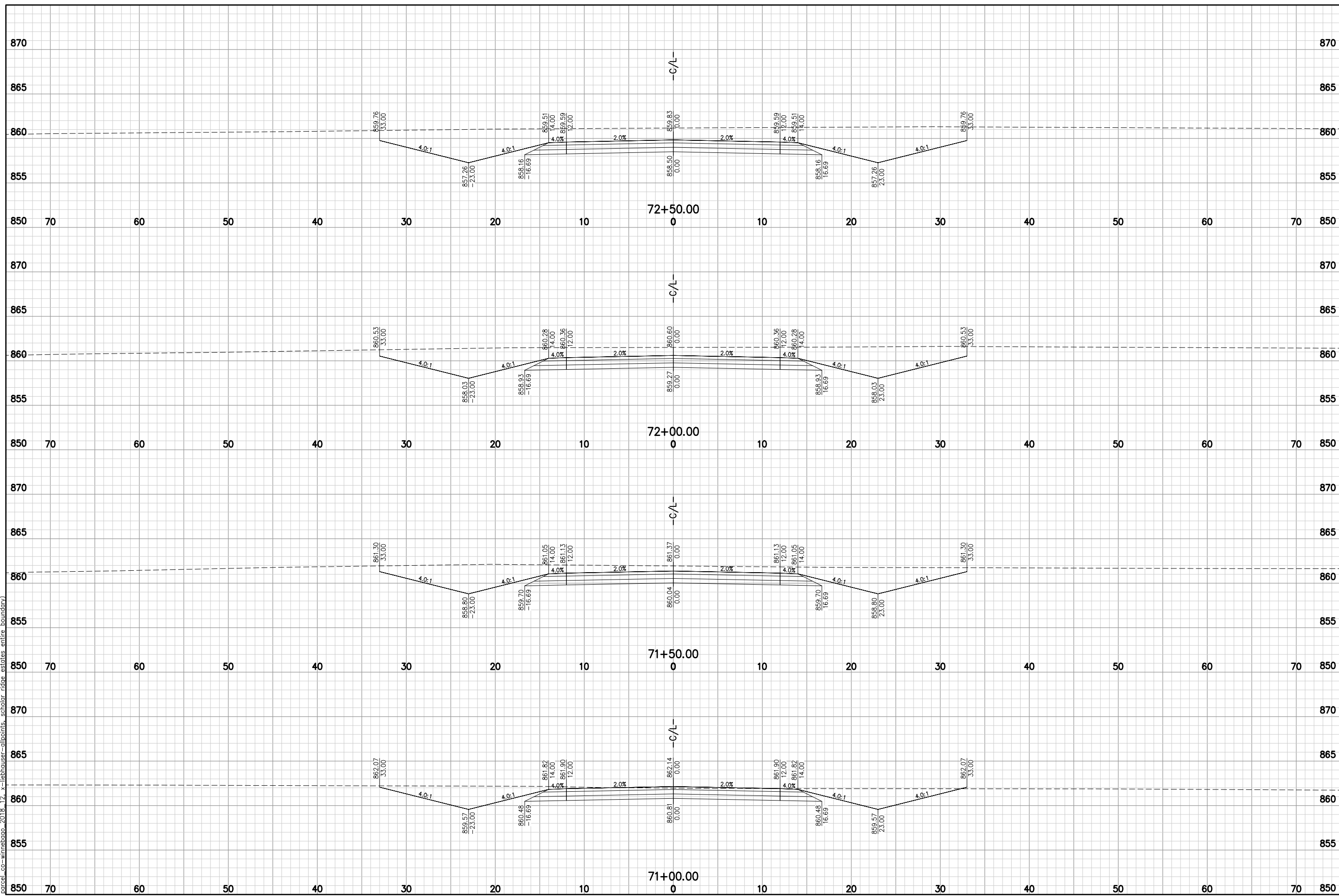
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SCHOLAR RIDGE ESTATES - PHASE 1
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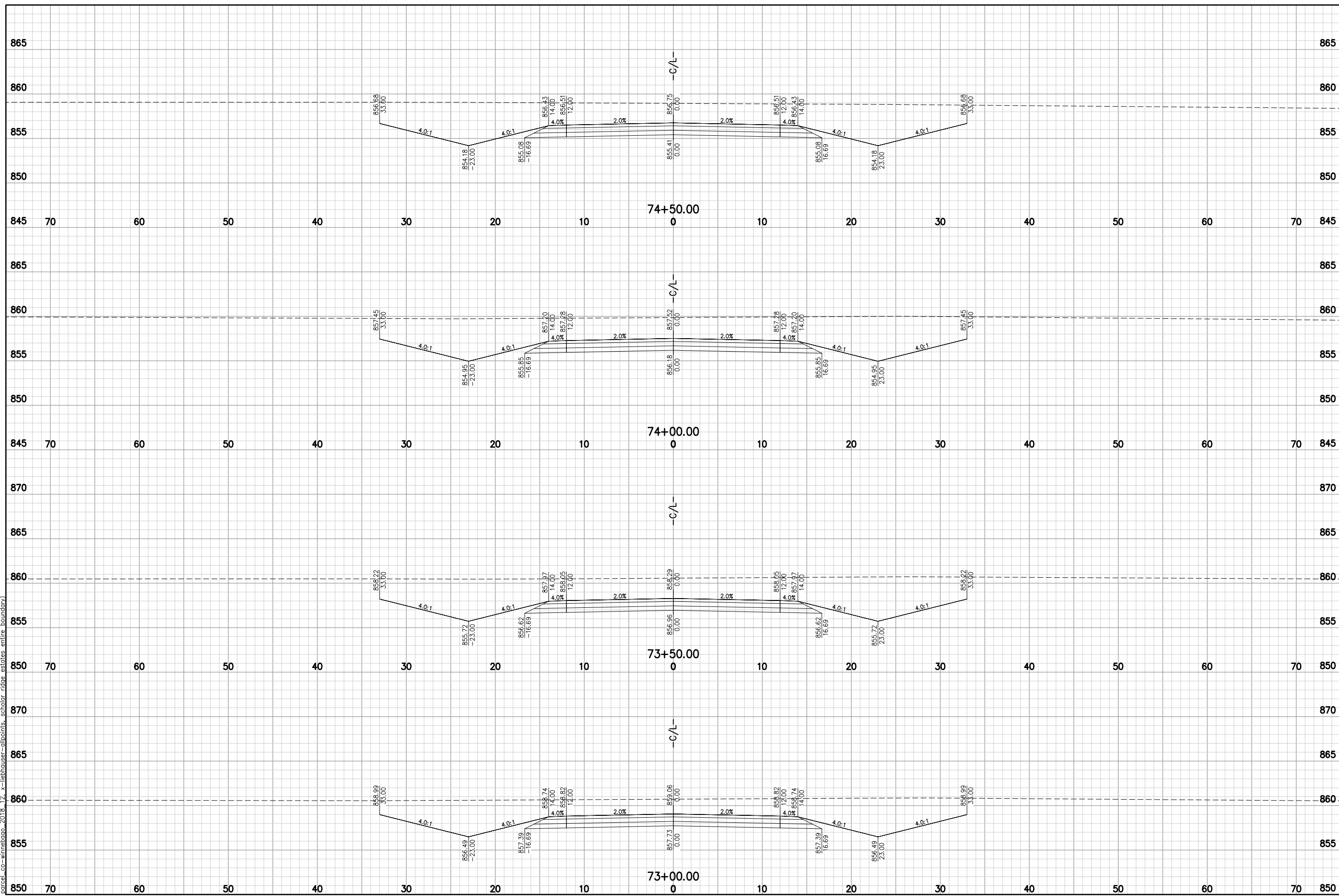
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SCHOLAR RIDGE ESTATES - PHASE 1
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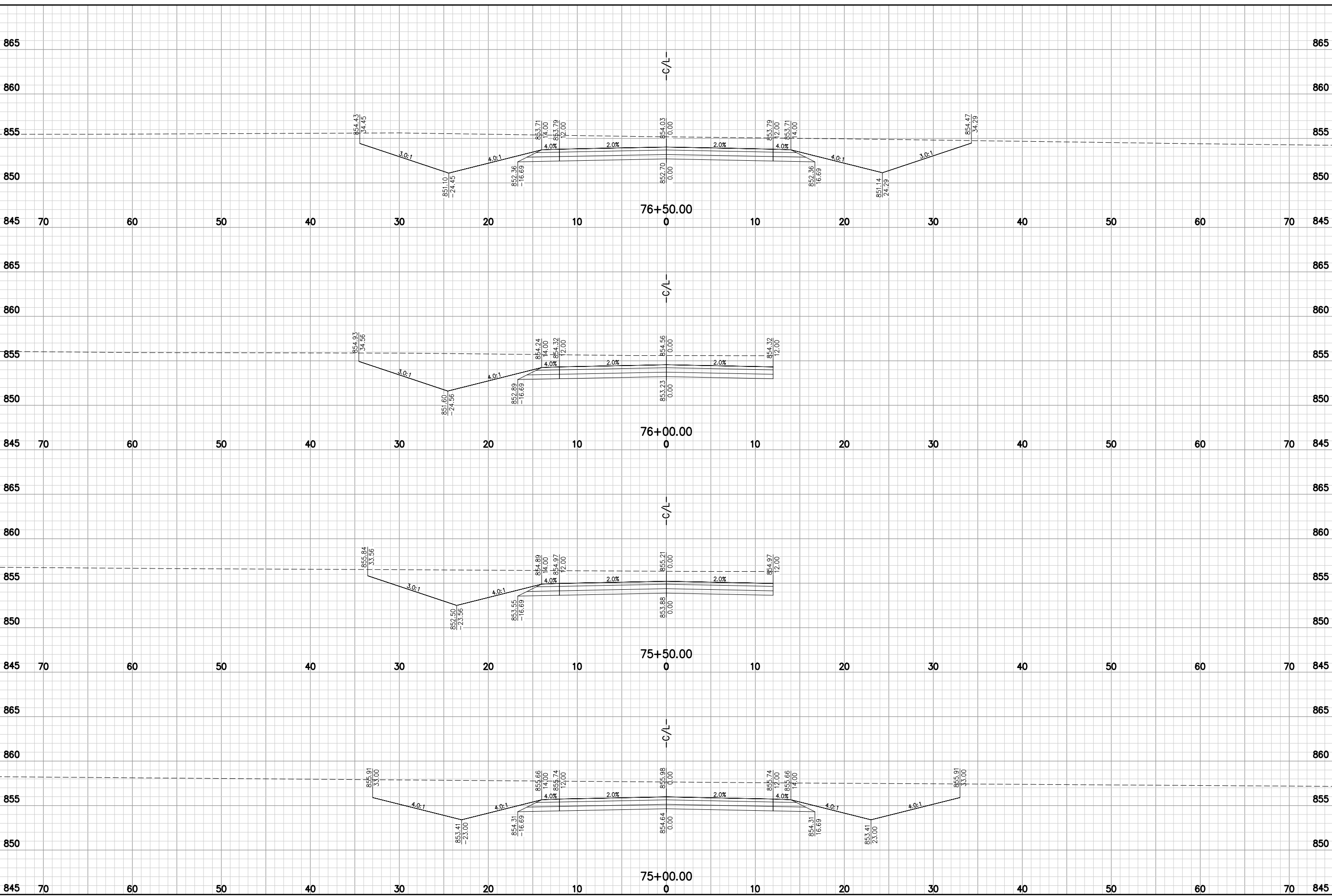
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
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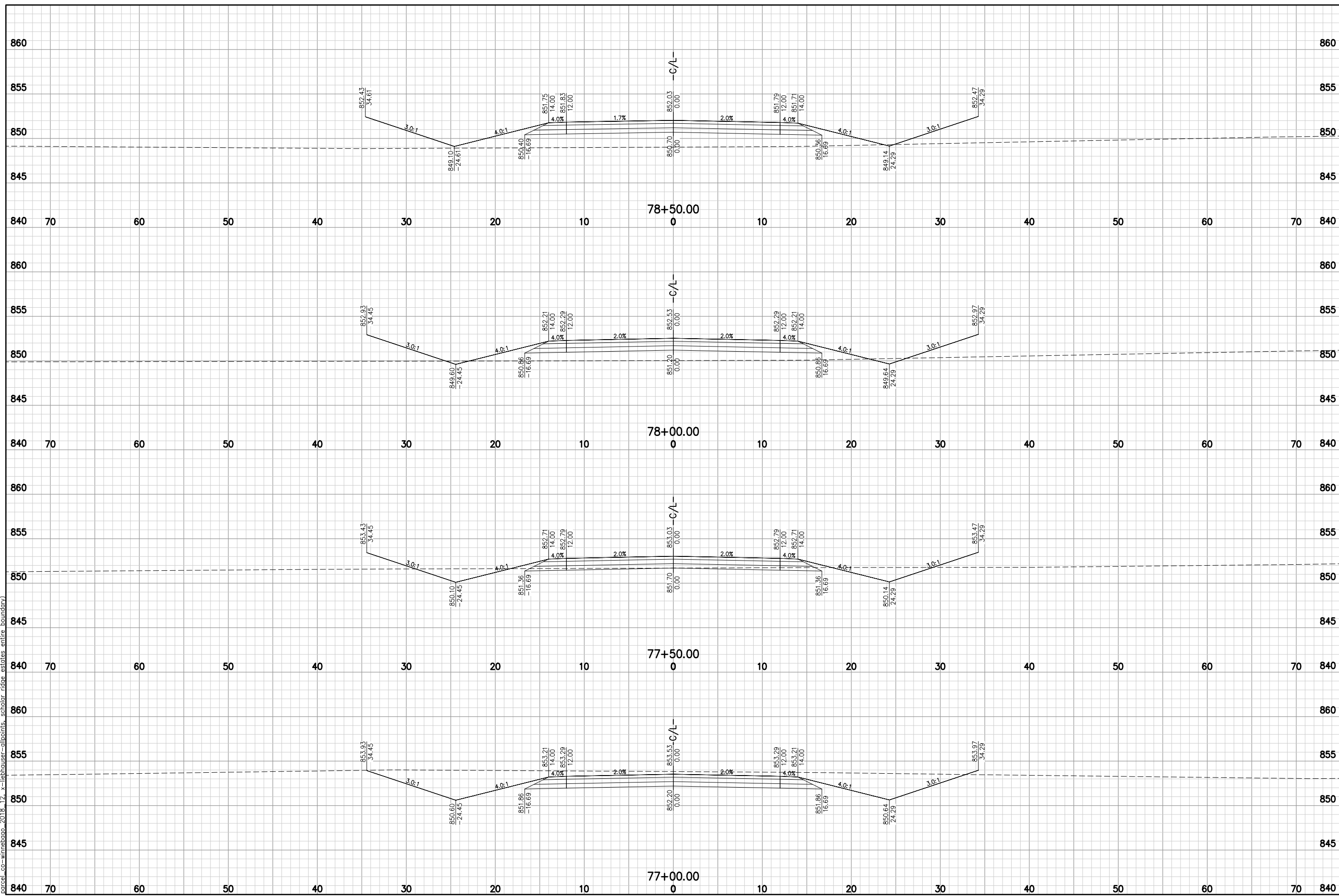
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XS 19

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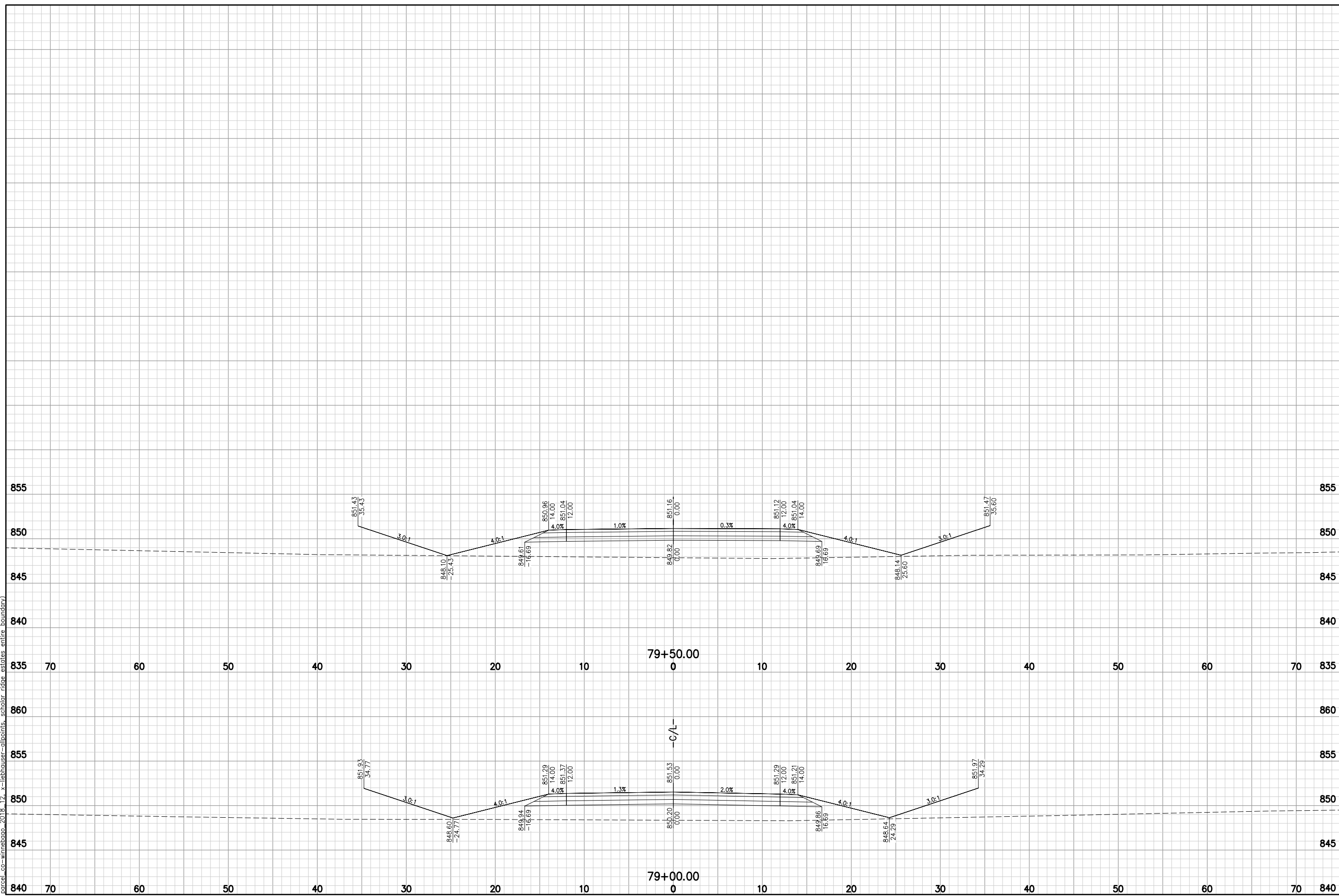
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
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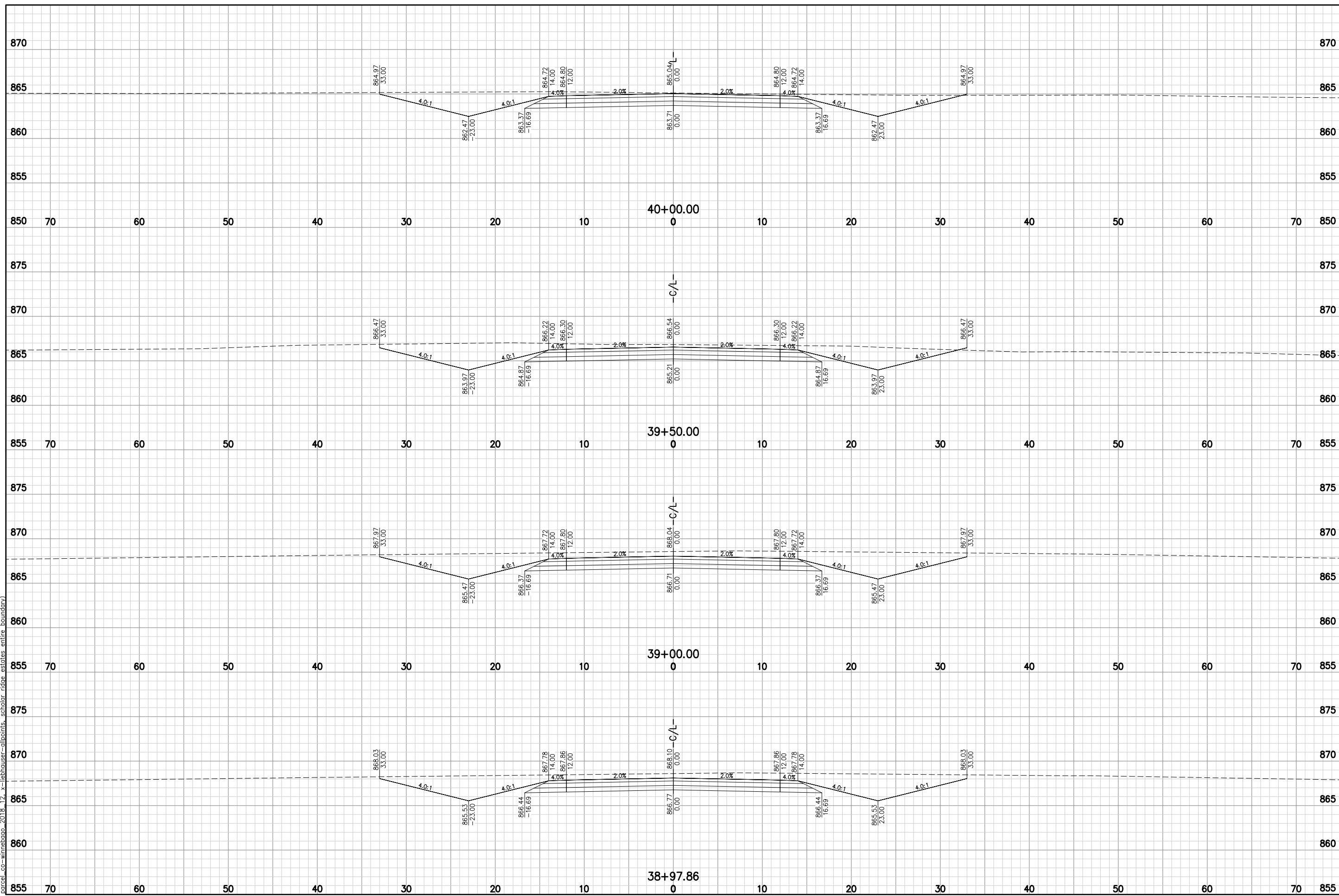
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| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
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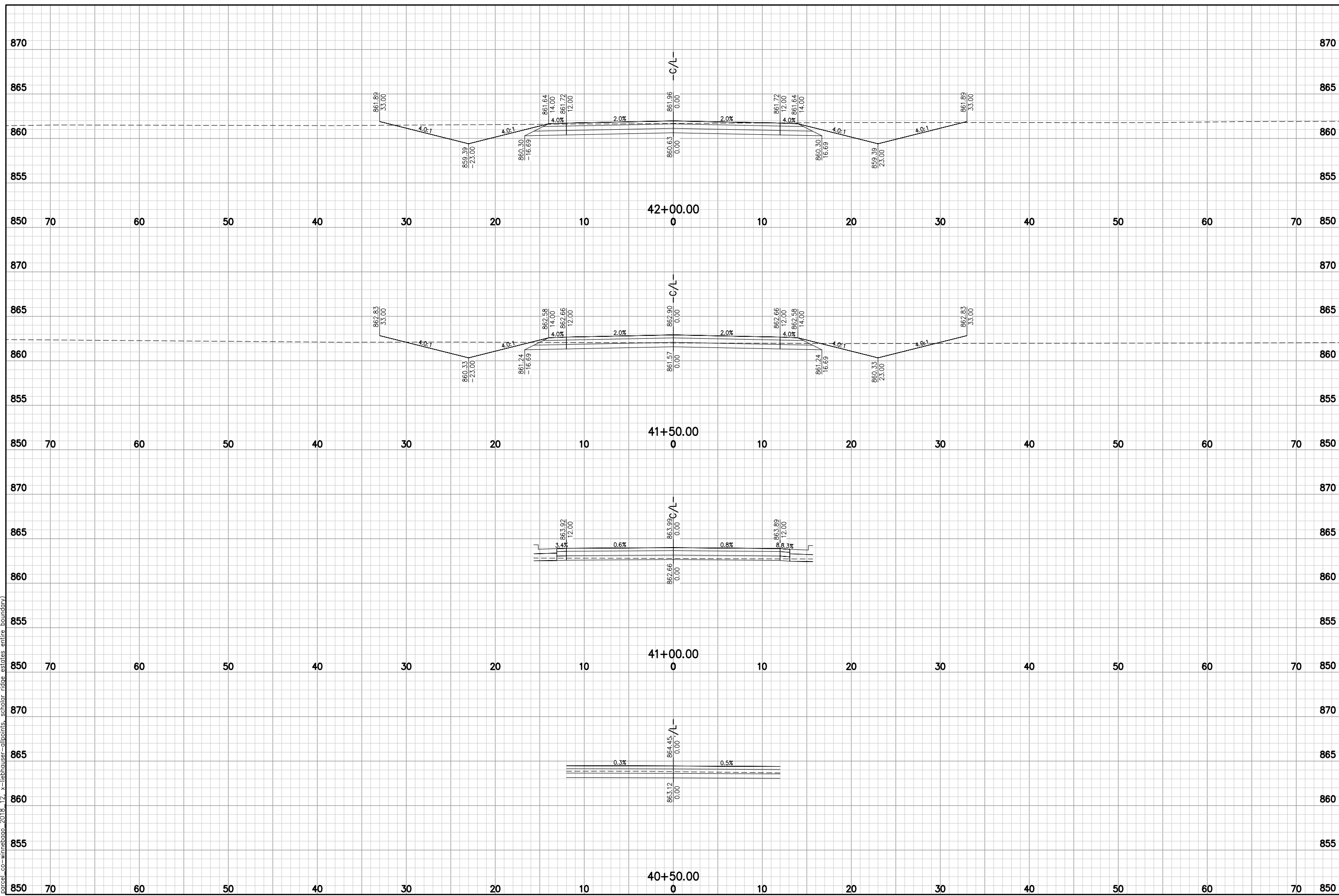
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
LAWRENCE LN

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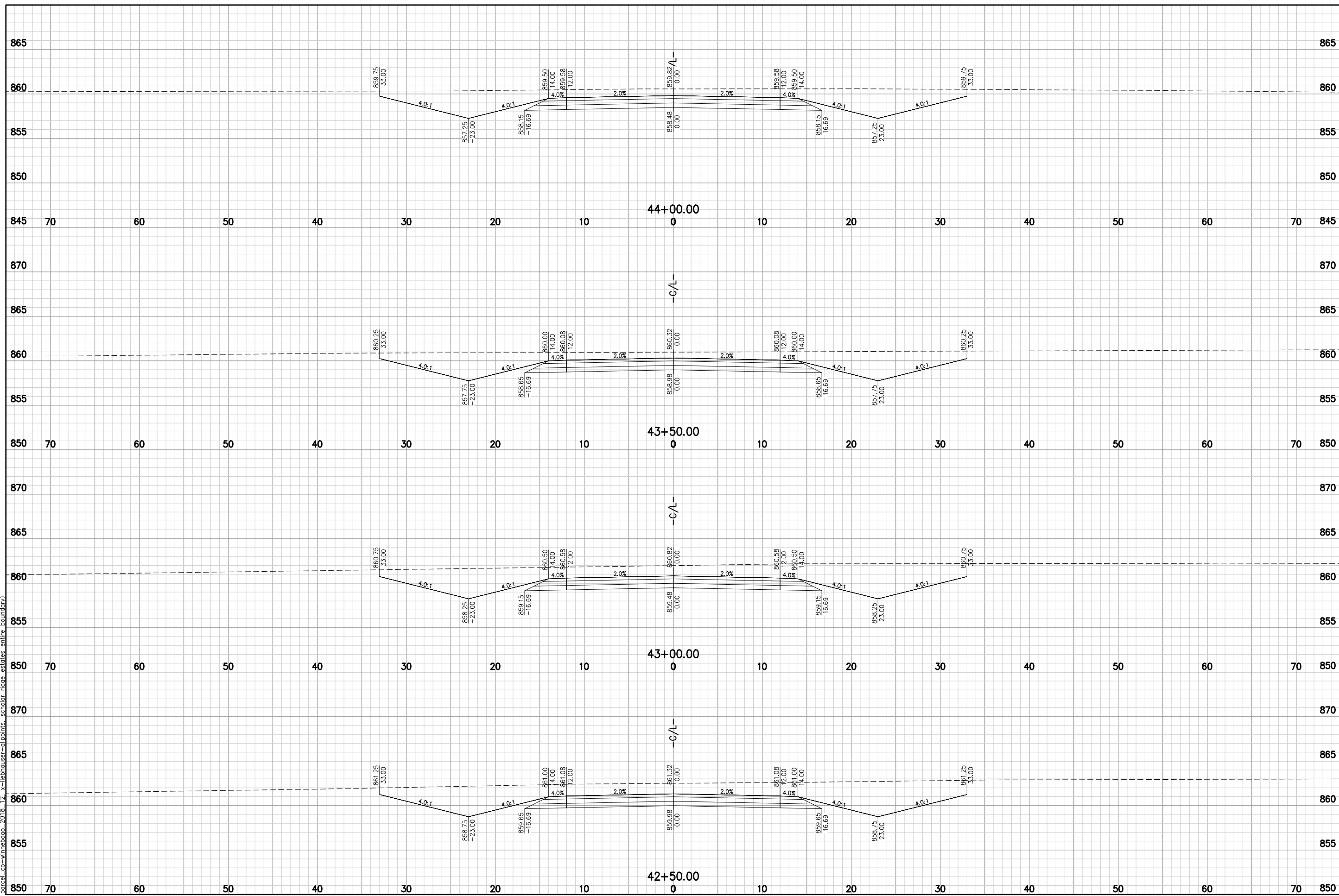
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SCHOLAR RIDGE ESTATES - PHASE 1
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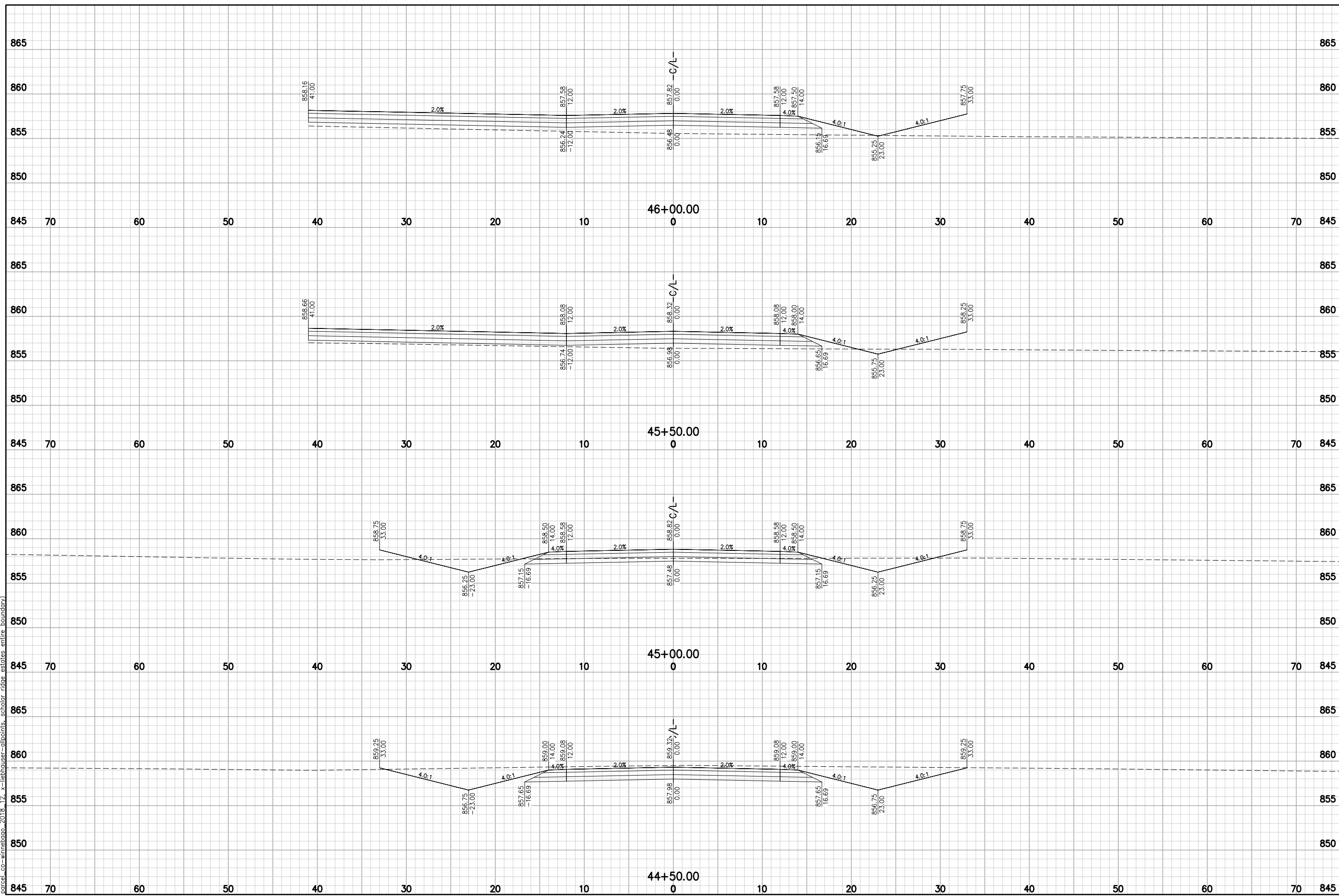


SCHOLAR RIDGE ESTATES - PHASE 1
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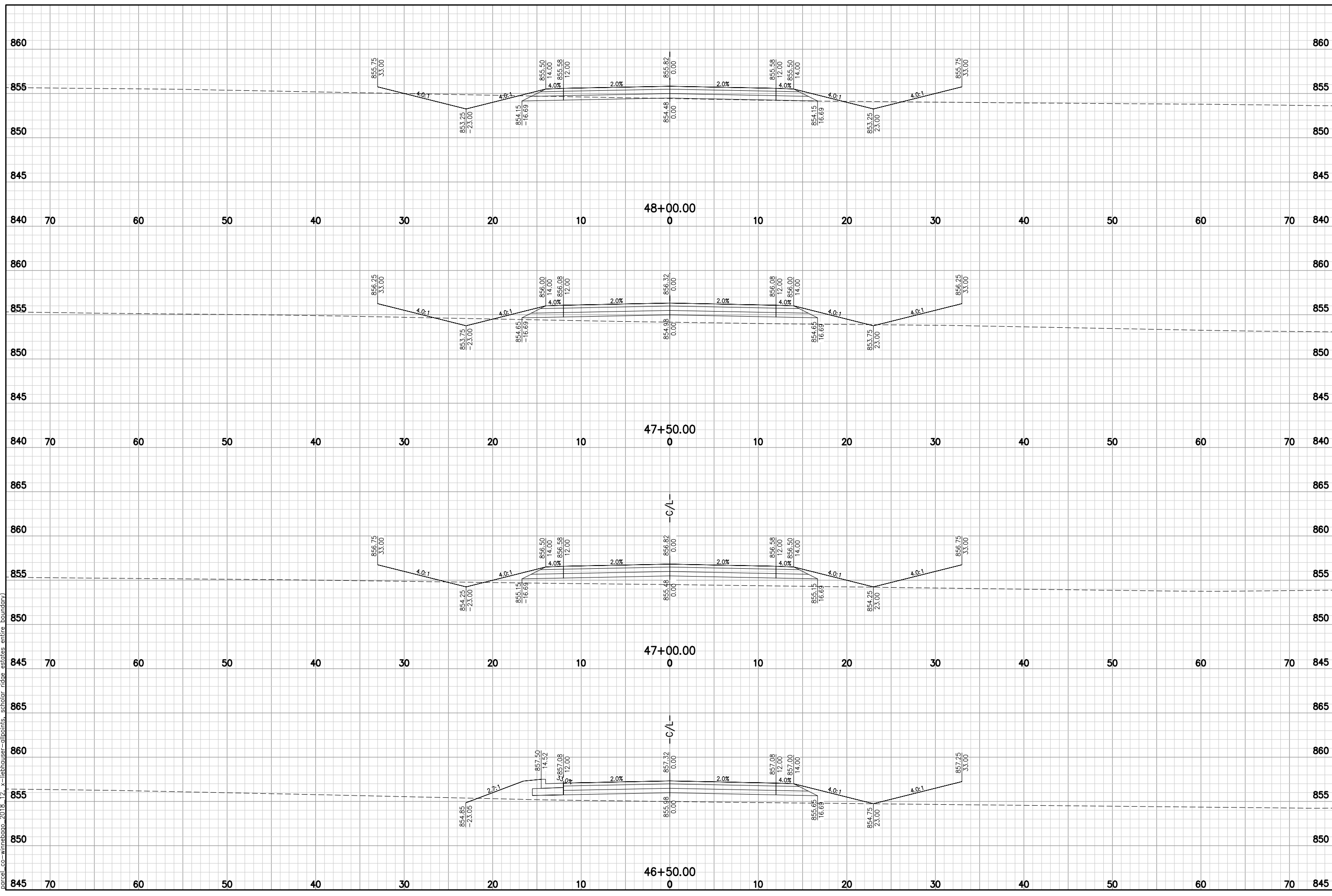
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SCHOLAR RIDGE ESTATES - PHASE 1
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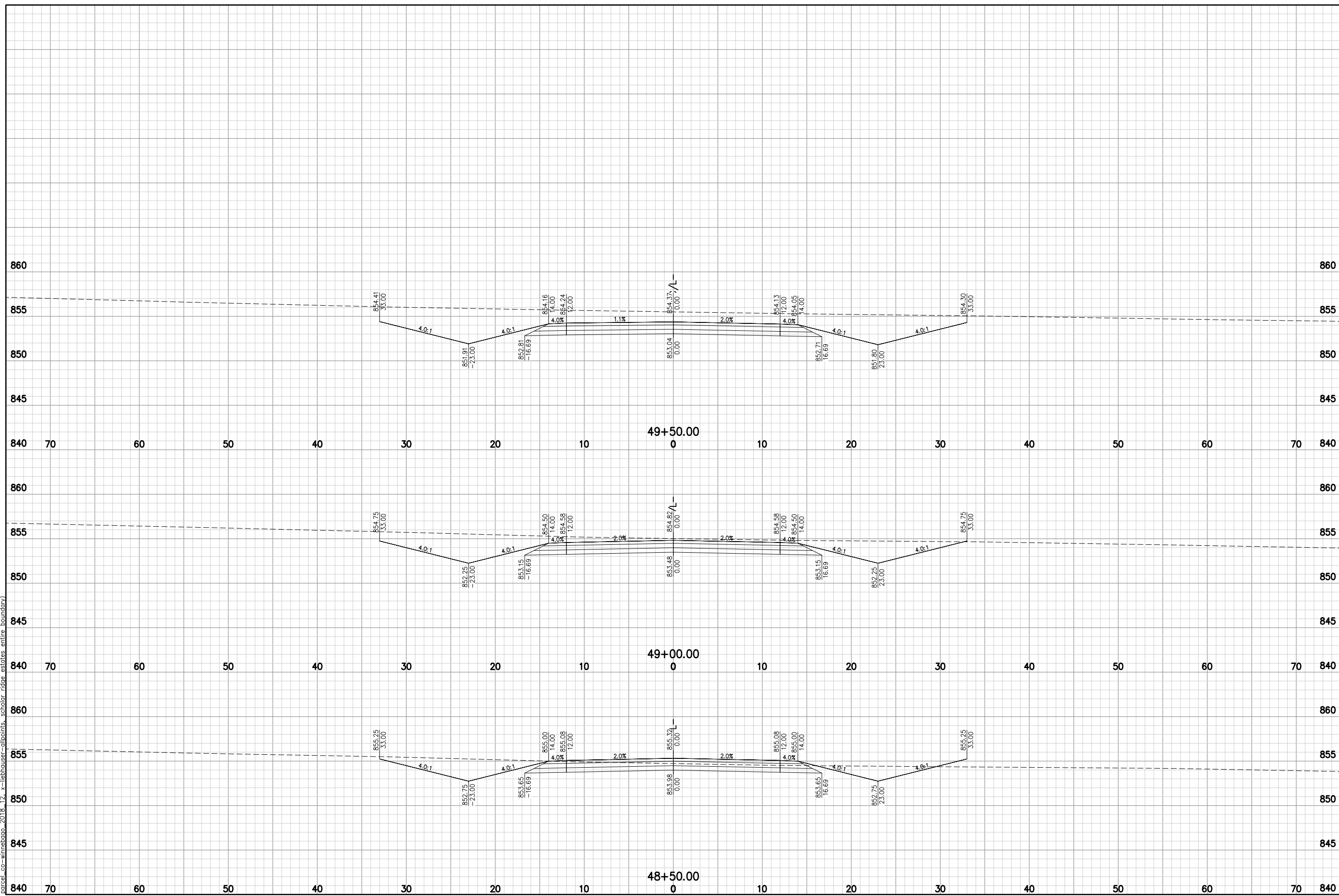
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SCHOLAR RIDGE ESTATES - PHASE 1
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 MILLIS, MASSACHUSETTS 01946
 PH 920.751.4200 FX 920.751.4284 MCMGRP.COM

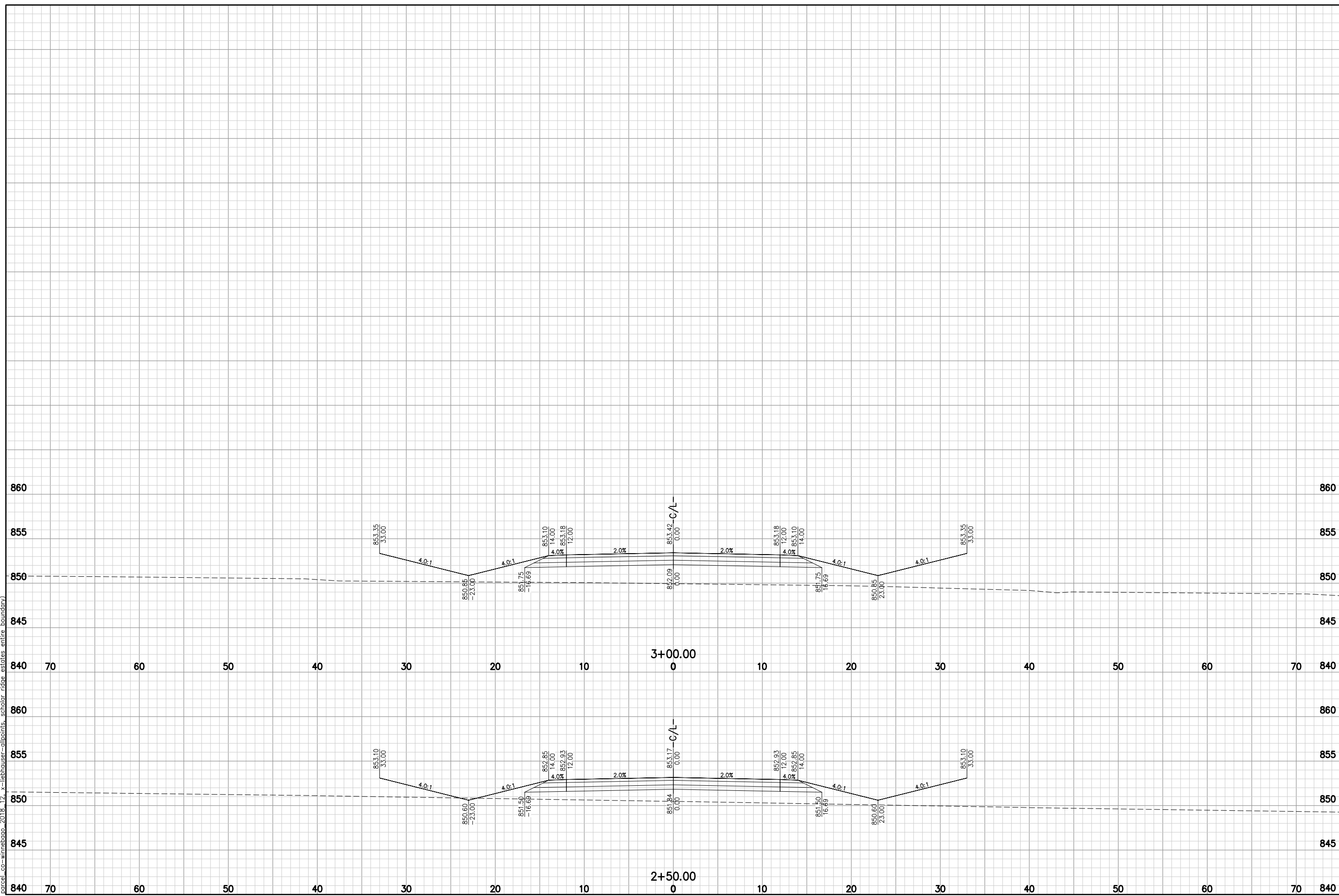
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
LAWRENCE LN

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 1445 McMAHON AVENUE, SUITE 100
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| NO. | DATE | REVISION |
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SCHOLAR RIDGE ESTATES - PHASE 1
TOWN OF CLAYTON
ST. THOMAS LN

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| DESIGNED ZRL | DRAWN ZRL |
| PROJECT NO. C1069-09-23-00271 | |
| DATE JUNE, 2023 | |
| SHEET NO. | |

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