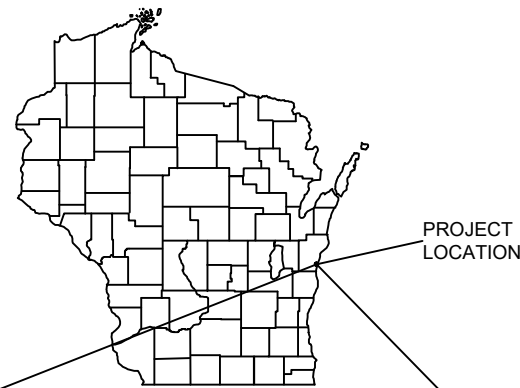


2022 STREET & UTILITY IMPROVEMENTS

(CITRUS LANE, CHERRY HILL DRIVE, BIRCH ST, BEECH ST, E JEFFERSON AVE,
LAKESHORE DR STORM SEWER AND BIRCH ST OUTFALL)

VILLAGE OF CLEVELAND, MANITOWOC COUNTY, WI



LOCATION MAP
NOT TO SCALE

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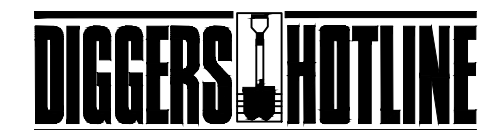
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	EXISTING WATER MAIN, VALVE & HYDRANT
	EXISTING WATER SERVICE & CURB STOP
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	PROPOSED WATER SERVICE & CURB STOP
	EXISTING SANITARY SEWER & MANHOLE
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	EXISTING FORCEMAIN
	EXISTING STORM SEWER & INLET
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	BURIED CABLE TELEVISION
	BURIED TELEPHONE
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	OVERHEAD UTILITY
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	EXISTING CURB & GUTTER
	PROPOSED CURB & GUTTER
	EXISTING SIDEWALK
	PROPOSED SIDEWALK
	EXISTING CULVERT PIPE
	PROPOSED CULVERT PIPE
	FENCE LINE
	DRAINAGE ARROW
	SILT FENCE
	RIGHT-OF-WAY
	BASELINE
	PROPERTY LINE
	TREE LINE
	BENCHMARK
	IRON PIPE
	IRON ROD
	CONTROL POINT
	UTILITY POLE & GUY
	SOIL BORING
	LIGHT POLE
	PEDESTAL
	STREET SIGN
	MAILBOX
	FLAGPOLE
	TREE - DECIDUOUS
	TREE - CONIFEROUS
	TREE TO BE REMOVED

UTILITIES

GAS:	WISCONSIN PUBLIC SERVICE (WPS) ATTN: JOEL SAWICKI 800 COLUMBUS ST TWO RIVERS, WI 54241-0236 OFFICE: 920-657-1862 CELL: 920-680-3181 EMAIL: JOEL.SAWICKI@WISCONSINPUBLICSERVICE.COM
ELECTRIC:	WE ENERGIES ATTN: NICOLE SMULLEN 333 W EVERETT ST, A299 MILWAUKEE, WI 53203 OFFICE: 414-221-5617 CELL: 414-460-7190 EMAIL: NICOLE.SMULLEN@WE-ENERGIES.COM
TELEPHONE:	TDS TELECOM ATTN: JEREMIAH LUBEN 229 E GREEN BAY ST BONDUEL, WI 54107 OFFICE: 715-758-6583 CELL: 920-850-2987 EMAIL: JEREMIAH.LUBEN@TDSTELECOM.COM
SEWER & WATER:	VILLAGE OF CLEVELAND ATTN: CHRIS JOST OFFICE: 920-693-8181 CELL: 920-782-0249 EMAIL: CJOST@CLEVELANDWI.GOV
CATV:	CHARTER COMMUNICATIONS ATTN: CHARLES BRASILE 1320 N DR MARTIN LUTHER KING JR DR MILWAUKEE, WI 53212 OFFICE: 414-908-4822 CELL: 414-430-5812 EMAIL: CHARLES.BRASILE@CHARTER.COM



Dial **811** or (800) 242-8511
www.DiggersHotline.com

NOTE:
UTILITY LOCATIONS SHOWN ON PLANS ARE APPROXIMATE AND CONTRACTOR
SHALL HAVE APPROPRIATE UTILITY MARK EXACT LOCATIONS PRIOR TO
CONSTRUCTION.

PROJECT DATE:	DRAWN BY:	NO.	DATE	REVISION	BY:
February 24, 2022	EE	-	-	-	-
	DESIGNED BY: DWR	-	-	-	-
	CHECKED BY: DWR	-	-	-	-
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2022 STREET AND UTILITY IMPROVEMENTS
VILLAGE OF CLEVELAND
MANITOWOC COUNTY, WI

TITLE SHEET

FILE NO.
08002031
SHEET
G 1



PROJECT DATE:	DRAWN BY:	EE	NO.	DATE	REVISION	BY:
February 24, 2022	DESIGNED BY:	DWR	-	-	-	-
	CHECKED BY:	DWR	-	-	-	-
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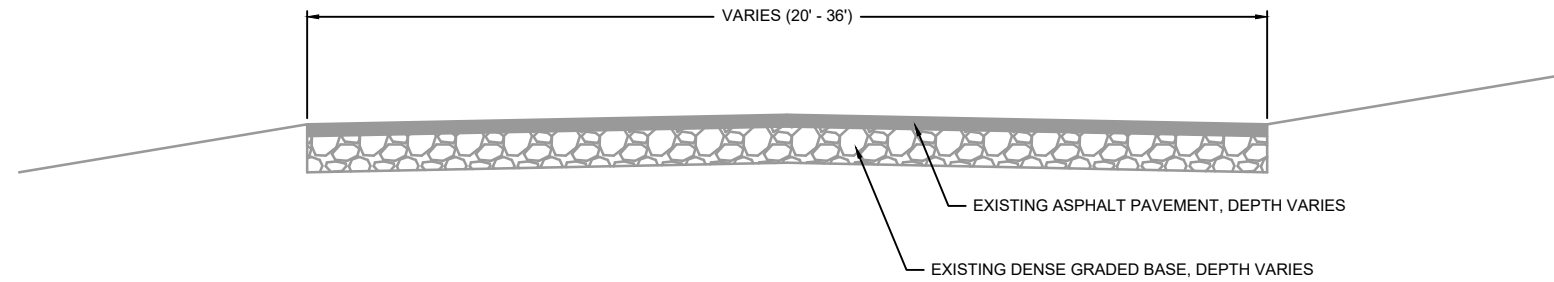


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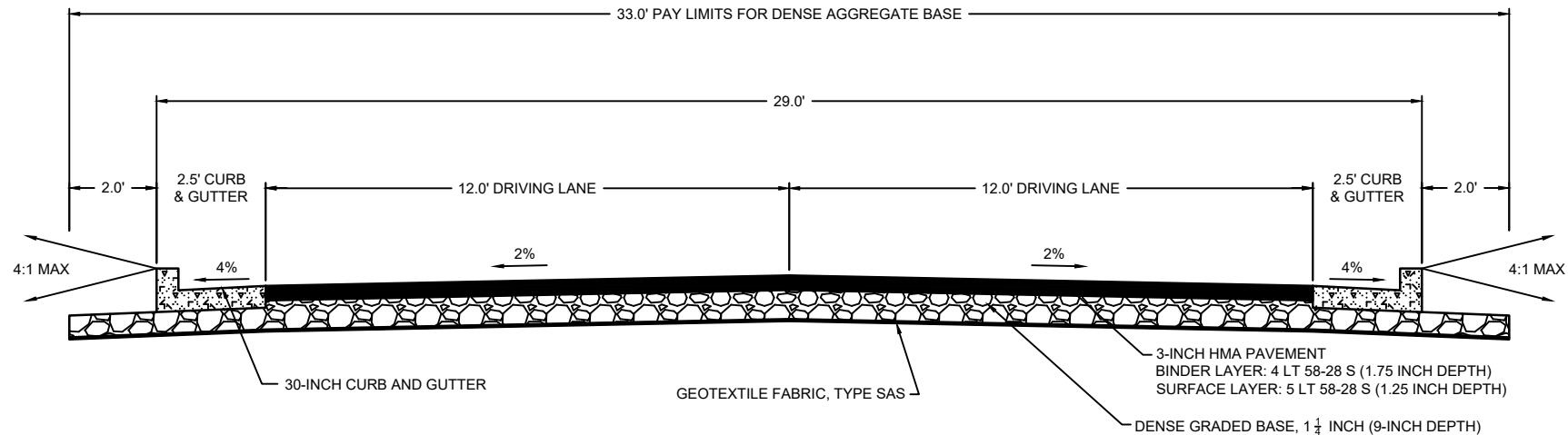
2022 STREET AND UTILITY IMPROVEMENTS
VILLAGE OF CLEVELAND
MANITOWOC COUNTY, WI

OVERALL LAYOUT SHEET

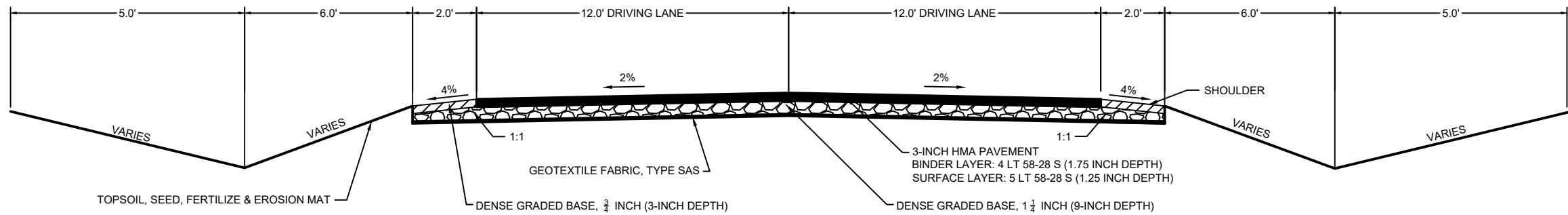
FILE NO. 08002031
SHEET G 2



EXISTING CITRUS LANE, CHERRY HILL DRIVE, BIRCH ST, BEECH ST & E JEFFERSON AVE TYPICAL SECTION
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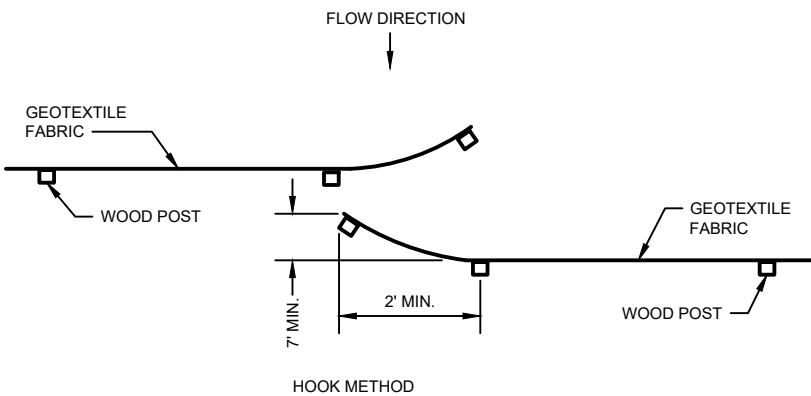
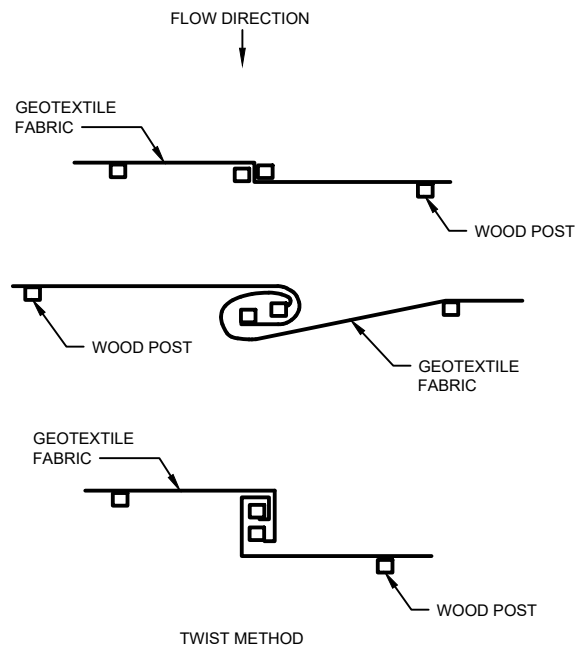
PROPOSED CITRUS LANE, BIRCH ST, BEECH ST & E JEFFERSON AVE TYPICAL SECTION
NOT TO SCALE



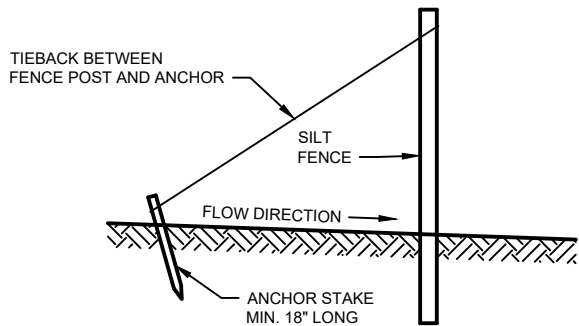
PROPOSED CHERRY HILL DR TYPICAL SECTION
NOT TO SCALE

CONSTRUCTION SITE
EROSION CONTROL REQUIREMENTS

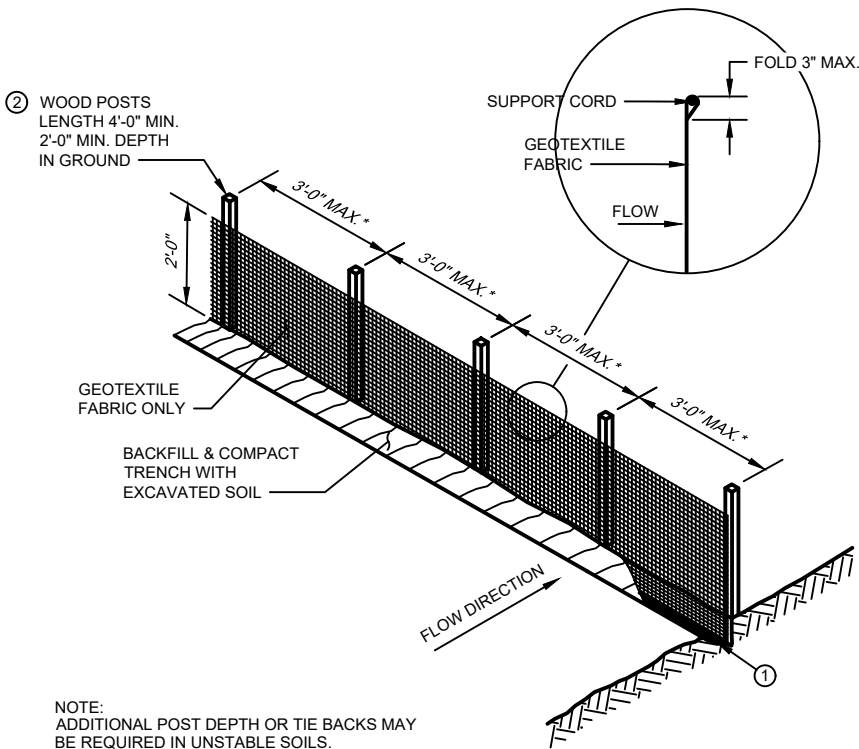
- SECTION NR216.46 OF WISCONSIN STATE ADMINISTRATIVE CODE IDENTIFIES REQUIREMENTS FOR CONSTRUCTION SITE AND POST-CONSTRUCTION EROSION CONTROL. IT IS THE INTENT OF THESE PLANS TO SATISFY THESE REQUIREMENTS. THE METHODS AND STRUCTURES USED TO CONTROL EROSION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. CONTRACTOR SHALL IMPLEMENT AN APPROPRIATE MEANS OF CONTROLLING EROSION DURING SITE OPERATION AND UNTIL THE VEGETATION IS RE-ESTABLISHED. ADJUSTMENTS TO THE CONTROL SYSTEM SHALL BE MADE AS REQUIRED.
- ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE WISCONSIN DNR'S CONSERVATION PRACTICE STANDARDS. THESE STANDARDS ARE PERIODICALLY UPDATED AND IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN AND REFERENCE THE MOST RECENTLY RELEASED STANDARD.
- THIS INFORMATION IS ONLY ONE PART OF THE OVERALL EROSION CONTROL REQUIREMENTS. ADDITIONAL REQUIREMENTS MAY ALSO BE SHOWN ON THE CONTRACT DRAWINGS AND IN THE ACCOMPANYING SPECIFICATIONS.
- ADDITIONAL EROSION CONTROL MEASURES, AS REQUESTED IN WRITING BY THE STATE OR LOCAL INSPECTORS, OR THE OWNER'S ENGINEER, SHALL BE INSTALLED WITHIN 24 HOURS.
- THE AREA OF EROSION EXPOSED TO THE ELEMENTS BY GRUBBING, EXCAVATION, TRENCHING, BORROW AND FILL OPERATIONS AT ANY ONE TIME SHALL BE MINIMIZED TO THE MAXIMUM EXTENT PRACTICABLE. FOR ANY DISTURBED AREA THAT REMAINS INACTIVE FOR GREATER THAN 7 WORKING DAYS, OR WHERE GRADING WORK EXTENDS BEYOND THE PERMANENT SEEDING DEADLINES, THE SITE MUST BE TREATED WITH TEMPORARY STABILIZATION MEASURES SUCH AS SOIL TREATMENT, TEMPORARY SEEDING AND/OR MULCHING. ALL DISTURBED AREAS SHALL BE TREATED WITH PERMANENT STABILIZATION MEASURES WITHIN 3 WORKING DAYS OF FINAL GRADING.
- ALL EROSION CONTROL MEASURES AND STRUCTURES SERVING THE SITE MUST BE INSPECTED AT LEAST WEEKLY OR WITHIN 24 HOURS OF THE TIME 0.5 INCHES OF RAIN HAS OCCURRED. ALL NECESSARY REPAIR AND MAINTENANCE WILL BE DONE AT THIS INSPECTION TIME.
- ALL EROSION CONTROL DEVICES AND/OR STRUCTURES SHALL BE PROPERLY INSTALLED PRIOR TO CLEARING AND GRUBBING OPERATIONS WITHIN THEIR RESPECTIVE DRAINAGE AREAS. THESE SHALL BE PROPERLY MAINTAINED FOR MAXIMUM EFFECTIVENESS UNTIL VEGETATION IS RE-ESTABLISHED.
- ALL EROSION CONTROL DEVICES SHALL BE PROPERLY INSTALLED PRIOR TO ANY SOIL DISTURBANCE.
- ANY SLOPES STEEPER THAN 3H:1V SHALL BE STAKED WITH EROSION CONTROL FABRIC UNLESS INDICATED ON THE PLAN.
- ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, WASTEWATER, TOXIC MATERIALS, OR HAZARDOUS MATERIALS) SHALL BE PROPERLY DISPOSED OF AND NOT ALLOWED TO BE CARRIED OFF-SITE BY RUNOFF OR WIND.
- WIND EROSION SHALL BE KEPT TO A MINIMUM DURING CONSTRUCTION. WATERING, MULCH, OR A TACKING AGENT MAY BE REQUIRED TO PROTECT NEARBY RESIDENCES AND WATER RESOURCES.
- CHANNELIZED RUNOFF ENTERING THE PROJECT SITE FROM ADJOINING LANDS SHALL BE DIVERTED THROUGH NATURALLY OR ARTIFICIALLY EROSION-RESISTANT CONVEYANCES. IF CHANNELIZED RUNOFF CANNOT BE DIVERTED, SITE BEST MANAGEMENT PRACTICES MUST ACCOUNT FOR THE ADDITIONAL FLOW RATES AND EROSION POTENTIAL THAT SUCH RUNOFF PRESENTS.
- THE CONTRACTOR SHALL TAKE ALL POSSIBLE PRECAUTIONS TO PREVENT SOILS FROM BEING TRACKED ONTO PUBLIC OR PRIVATE ROADWAYS. PAVED SURFACES ADJACENT TO CONSTRUCTION SITE VEHICLE ACCESS SHALL BE SWEEPED AND/OR SCRAPPED (NOT FLUSHED) PERIODICALLY TO REMOVE SOIL, DIRT, AND/OR DUST.
- EROSION CONTROLS SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF TEMPORARY STOCKPILES. ANY SOIL STOCKPILE THAT REMAINS FOR MORE THAN 30 DAYS SHALL BE COVERED OR TREATED WITH STABILIZATION PRACTICES SUCH AS TEMPORARY OR PERMANENT SEEDING AND MULCHING. ALL STOCK PILES SHALL BE PLACED AT LEAST 75 FEET FROM STREAMS OR WETLANDS.
- ADDITIONAL EROSION CONTROL FOR UTILITY CONSTRUCTION (STORM SEWER, SANITARY SEWER, WATER MAIN, ETC.) SHALL INCLUDE THE FOLLOWING:
 - PLACE EXCAVATED TRENCH MATERIAL ON THE HIGH SIDE OF THE TRENCH.
 - BACKFILL, COMPACT, AND STABILIZE THE TRENCH IMMEDIATELY AFTER PIPE CONSTRUCTION.
 - DISCHARGE OF TRENCH WATER OR DEWATERING EFFLUENT MUST BE PROPERLY TREATED TO REMOVE SEDIMENT IN ACCORDANCE WITH THE WDNR CONSERVATION PRACTICE STANDARD 1061 - DEWATERING OR A SUBSEQUENT WDNR DEWATERING STANDARD PRIOR TO DISCHARGE INTO A STORM SEWER, DITCH, DRAINAGEWAY, OR WETLAND OR LAKE.
- ALL DRAINAGE CULVERTS, STORM DRAIN INLETS, MANHOLES, OR ANY OTHER EXISTING STRUCTURES THAT COULD BE DAMAGED BY SEDIMENTATION SHALL BE PROTECTED ACCORDING TO THE VARIOUS METHODS PROVIDED IN THE PRINTED CONSERVATION PRACTICE STANDARDS.
- ANY SOIL EROSION THAT OCCURS AFTER FINAL GRADING AND/OR STABILIZATION MUST BE REPAIRED AND THE STABILIZATION WORK REDONE.
- THE FIRST SIX WEEKS AFTER INITIAL STABILIZATION, ALL NEWLY SEEDED AND MULCHED AREAS SHALL WATERED WHENEVER 7 DAYS ELAPSE WITHOUT A RAIN EVENT.
- WHEN THE DISTURBED AREA HAS BEEN STABILIZED BY PERMANENT VEGETATION OR OTHER MEANS, TEMPORARY BMP'S SUCH AS SILT FENCES, STRAW BALES, AND SEDIMENT TRAPS SHALL BE REMOVED AND THESE AREAS STABILIZED.
- ALL TEMPORARY BEST MANAGEMENT PRACTICES SHALL BE MAINTAINED UNTIL THE SITE IS STABILIZED.
- ALL DISTURBED AREAS SHALL BE PERMANENTLY STABILIZED WITH SEED AND MULCH UNLESS OTHERWISE SPECIFIED. A MINIMUM OF FOUR INCHES OF TOPSOIL SHALL BE APPLIED TO ALL AREAS TO BE SEEDED OR SODDED.



JOINING TWO LENGTHS OF SILT FENCE ③



SILT FENCE TIE BACK
(WHEN REQUIRED BY THE ENGINEER)



NOTE:
ADDITIONAL POST DEPTH OR TIE BACKS MAY
BE REQUIRED IN UNSTABLE SOILS.

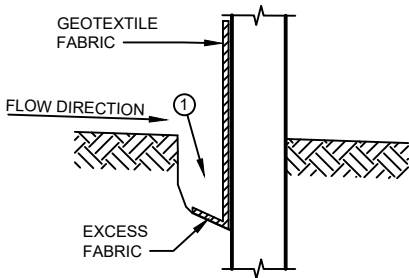
* 8'-0" POST SPACING ALLOWED IF A WOVEN
GEOTEXTILE FABRIC IS USED, OR IF THE SILT
FENCE IS FACTORY ASSEMBLED.

ATTACH THE FABRIC TO THE POSTS WITH
WIRE STAPLES OR WOODEN LATH AND NAILS.

SILT FENCE

GENERAL NOTES

- 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.
- 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) TWIST METHOD -- OVERLAP THE END POSTS AND TWIST, OR ROTATE, AT LEAST 180 DEGREES, B) HOOK METHOD -- HOOK THE END OF EACH SILT FENCE LENGTH.



TRENCH DETAIL

PROJECT DATE: February 24, 2022	DRAWN BY: EE	NO.	DATE	REVISION	BY
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	CHECKED BY: DWR	-	-	-	-
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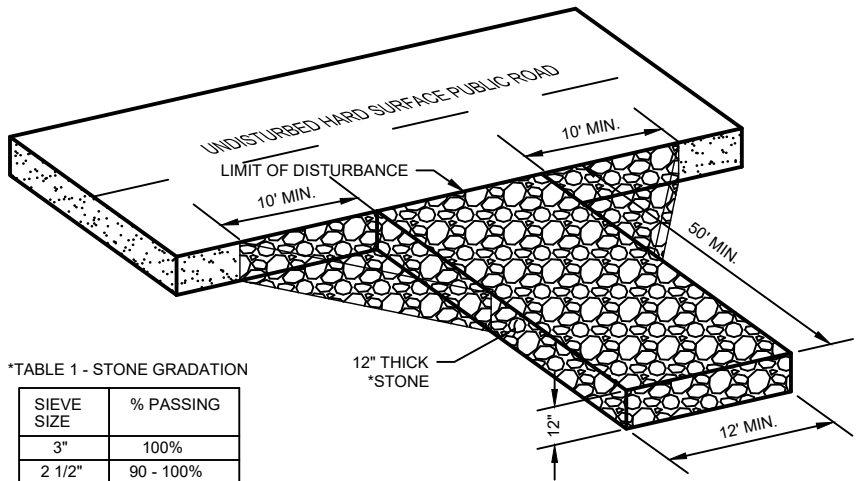


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2022 STREET AND UTILITY IMPROVEMENTS
VILLAGE OF CLEVELAND
MANITOWOC COUNTY, WI

EROSION CONTROL DETAILS

FILE NO.
08002031
SHEET
G 4



*TABLE 1 - STONE GRADATION

SIEVE SIZE	% PASSING
3"	100%
2 1/2"	90 - 100%
1 1/2"	25 - 60%
3/4"	0 - 20%
3/8"	0 - 5%

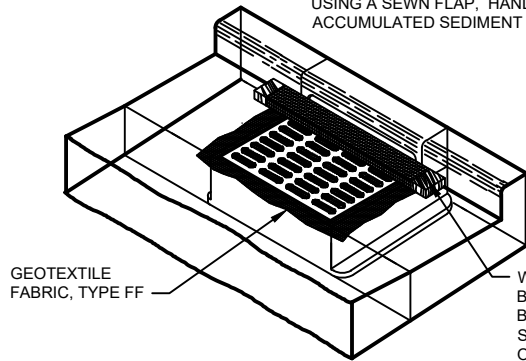
- NOTES:
- TRACKING PAD WIDTH SHALL BE AT LEAST THE FULL WIDTH OF HTE EGRESS POINT OR 12' WIDE MINIMUM.
 - TRACKING PAD LENGTH SHALL BE 50' FOR CONSTRUCTION SITES, 30' FOR SINGLE FAMILY RESIDENTIAL, OR AS SPECIFIED IN THE CONTRACT DOCUMENTS. LENGTH OF TRACKING PAD MAY NEED TO BE INCREASE OR ADDITIONAL SEDIMENT CONTROL PRACTICES SHALL BE INSTALLED BY THE CONTRACTOR IS SEDIMENT TRACK-OUT OCCURS.
 - GEOTEXTILE FABRIC TYPE R SHALL BE INSTALLED BETWEEN THE STONE AND SUBGRADE ON SITES WHERE HIGH GROUND WATER IS OBSERVED.
 - CONTRACTOR SHALL CLEAN STREET/ROADWAY ADJACENT TO ALL CONSTRUCTION ACCESS POINTS AT THE END OF EACH WORKDAY OR MORE FREQUENTLY IF REQUESTED.

VEHICLE TRACKING PAD

NO SCALE

INSTALLATION NOTES:

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 OTHER METHOD TO PREVENT ACCUMULATED SEDIMENT FROM ENTERING THE INLET.



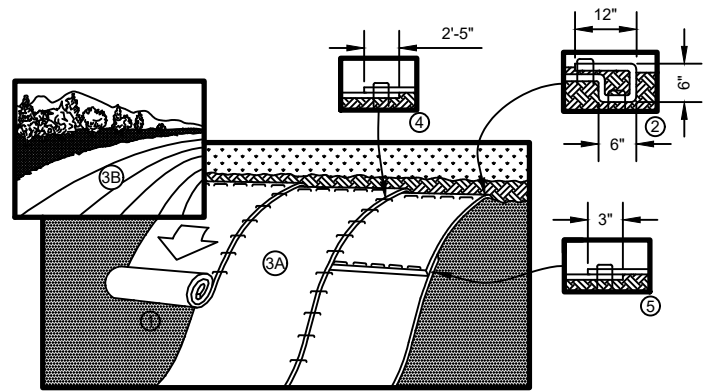
INLET PROTECTION, TYPE C

NO SCALE

GENERAL NOTES - INLET PROTECTION

INLET PROTECTION DEVICES SHALL BE MAINTAINED OR REPLACED AT THE DIRECTION OF THE ENGINEER. MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED. 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.

- FINISHED SIZE, INCLUDING FLAP POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 10" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
- 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.
- FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2X4.

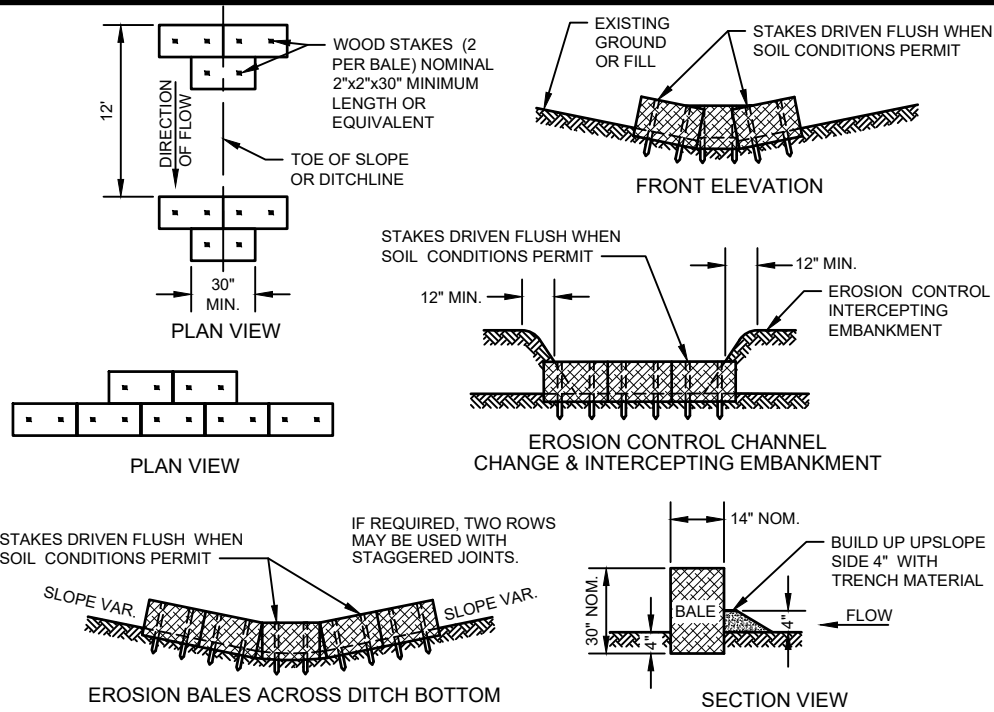


- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" (15 CM) DEEP X 6" (15 CM) WIDE TRENCH WITH APPROXIMATELY 12" (30cm) OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" (30 CM) APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" (30 CM) PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" (30 CM) APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKETS (A) DOWN OR (B) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS SHOWN IN THE STAPLE PATTERN GUIDE.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 2"-5" (5 CM-12.5 CM) OVERLAP DEPENDING ON BLANKET TYPE.
- CONSECUTIVE BLANKETS SPICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" (7.5 CM) OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" (30 CM) APART ACROSS ENTIRE BLANKET WIDTH.

NOTE:
*IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" (15 CM) MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.

EROSION CONTROL BLANKET DETAIL

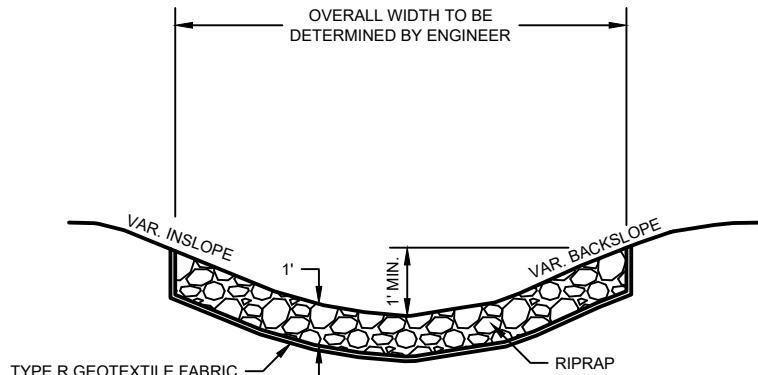
NO SCALE



- GENERAL NOTES:
- DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS.
 - BALES SHALL BE PLACED END TO END OR OVERLAPPING AT RIGHT ANGLES TO THE DIRECTION OF FLOW. BALES SHALL EXTEND FAR ENOUGH UP THE SLOPES TO PREVENT ERODING AROUND ENDS.
 - BALES SHALL BE PLACED WITH TWINE OR TIE WIRES PARALLEL TO THE GROUND.
 - STAKES TO BE BATTERED IN OPPOSITE DIRECTIONS.
 - BALES SHALL BE EMBEDDED 4 INCHES MINIMUM.

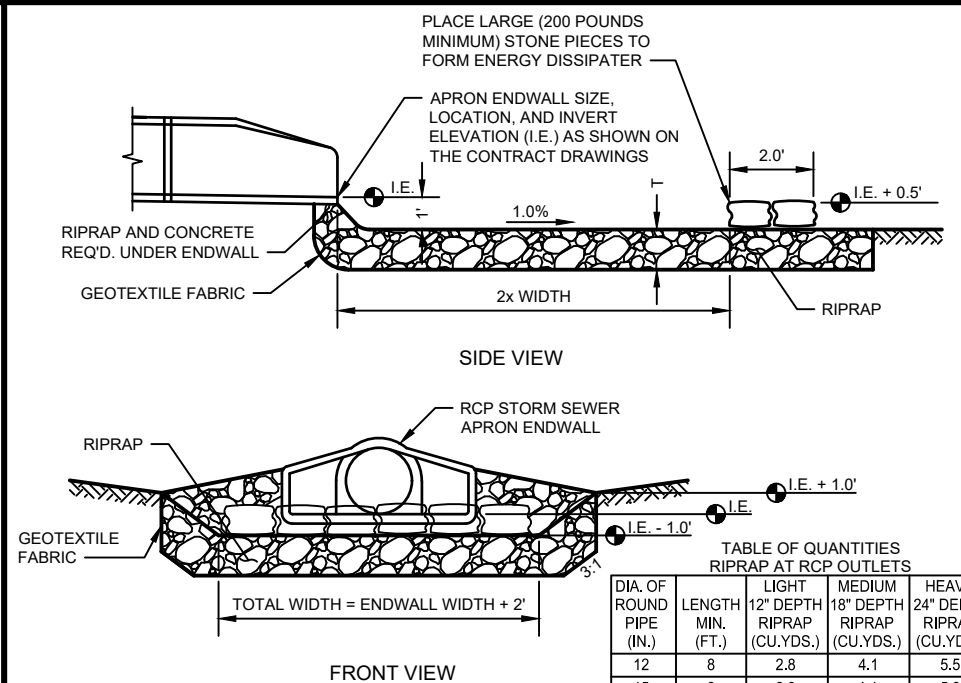
EROSION BALES IN DRAINAGE WAY DETAIL

NO SCALE



TYPICAL RIPRAP INSTALLATION

NO SCALE



GENERAL NOTES:

- DETAILS OF CONSTRUCTION, MATERIALS AND WORKMANSHIP NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE SPECIFICATIONS.
- THE RIPRAP CLASS AND GEOTEXTILE FABRIC TYPE SHALL BE AS SHOWN ON THE PLANS AND REQUIRED IN THE SPECIFICATIONS.

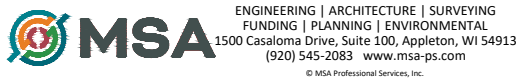
TABLE OF QUANTITIES RIPRAP AT RCP OUTLETS				
DIA. OF ROUND PIPE (IN.)	LENGTH MIN. (FT.)	12" DEPTH RIPRAP (CU.YDS.)	MEDIUM 18" DEPTH RIPRAP (CU.YDS.)	HEAVY 24" DEPTH RIPRAP (CU.YDS.)
12	8	2.8	4.1	5.5
15	8	2.9	4.4	5.8
18	10	3.9	5.9	7.8
21	10	4.2	6.3	8.4
24	12	5.5	8.3	11.0
27	12	5.8	8.7	11.6
30	14	7.3	10.9	14.5
36	16	9.2	13.8	18.3
42	18	10.9	16.3	21.7
48	20	12.9	19.4	25.8

STORM SEWER OUTFALL DETAIL

NO SCALE

PROJECT DATE:	DRAWN BY:	EE	NO.	DATE	REVISION	BY:
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2022 STREET AND UTILITY IMPROVEMENTS
VILLAGE OF CLEVELAND
MANITOWOC COUNTY, WI

EROSION CONTROL DETAILS

FILE NO.
08002031
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G 5



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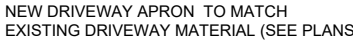


NO SCALE



CURB AND GUTTER AT INLETS DETAIL

NO SCALE



CONTRACTION JOINT AS REQ'D

OR PROP. DRIVEWAY WIDTH VARIES
(10 FEET MIN. - 24 FEET MAX.)

JOINT FOR CONCRETE
DRIVEWAYS

└ FLOW LINE



6 INCH COMPACTED BASE COURSE
REQUIRED UNDER CONCRETE DRIVEWAYS,
6 INCH UNDER ASPHALT DRIVEWAYS —

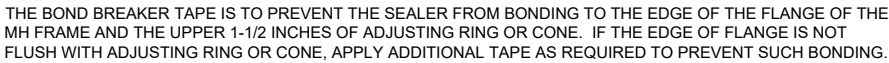
ON A-A

SEE DRIVEWAY CURB
AND GUTTER DETAIL

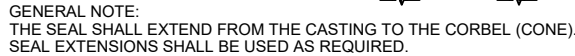


DRIVEWAY DETAIL

NO SCALE



ELASTOMERIC FRAME/CHIMNEY SEAL



EXTERNAL RUBBER SLEEVE FRAME/CHIMNEY SEAL

MANHOLE WATERPROOFING DETAIL

NO SCALE



SIDE PROTECTION INSTALLATION

GENERAL NOTES:

1. THE SIDE PROTECTION INSTALLATION SHALL BE USED WHERE FROST WILL PENETRATE BELOW THE PIPE INVERT.

PIPE INSULATION DETAIL

NO SCALE

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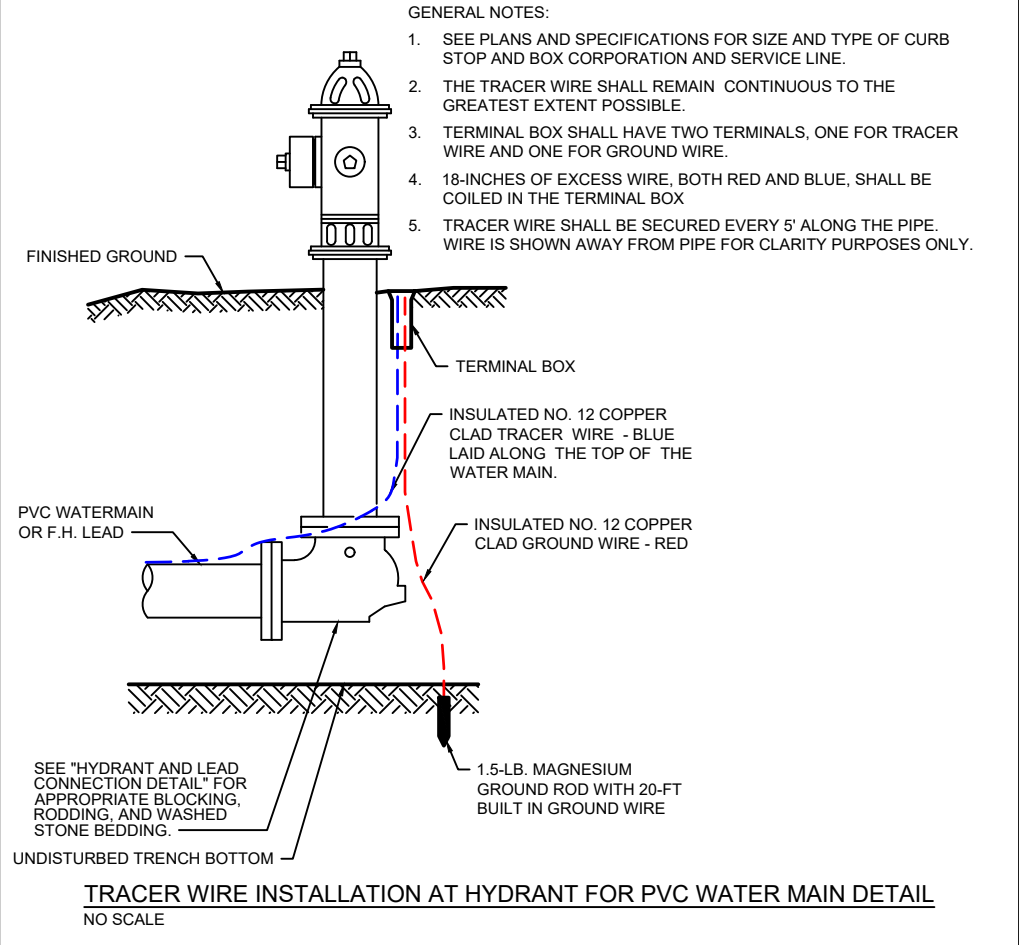
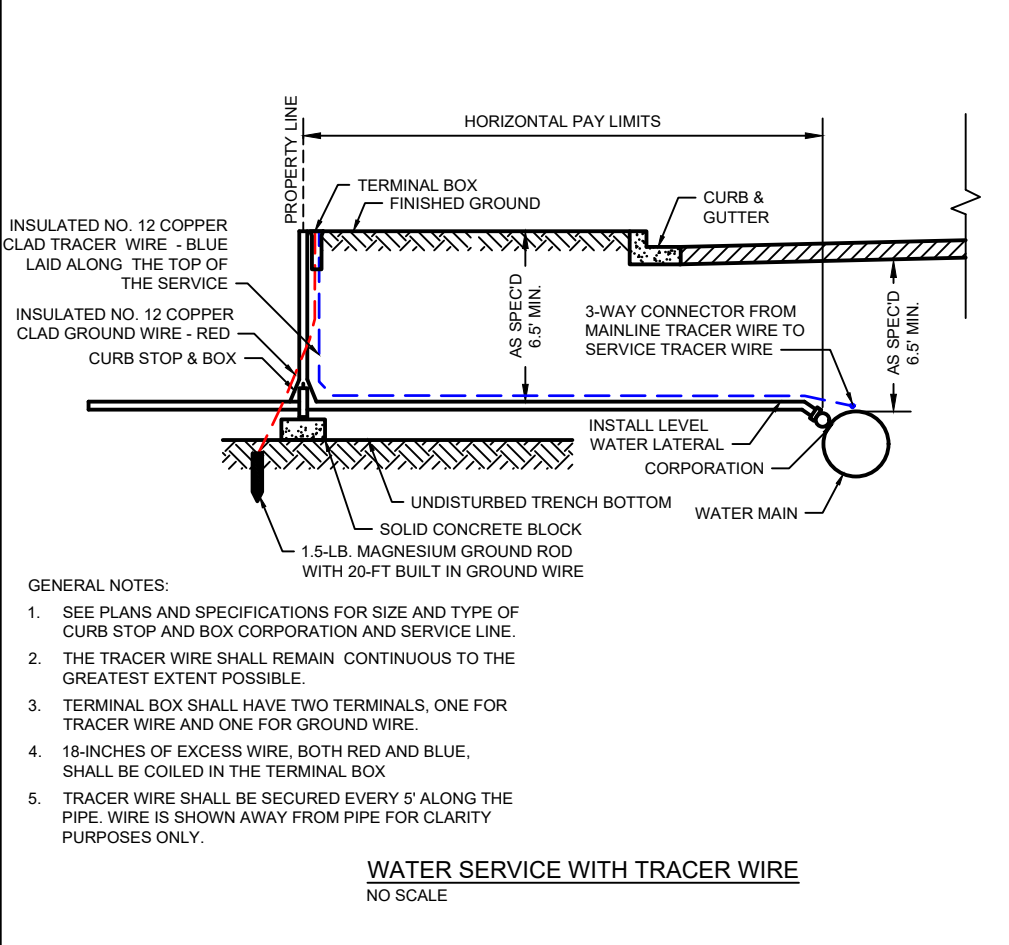
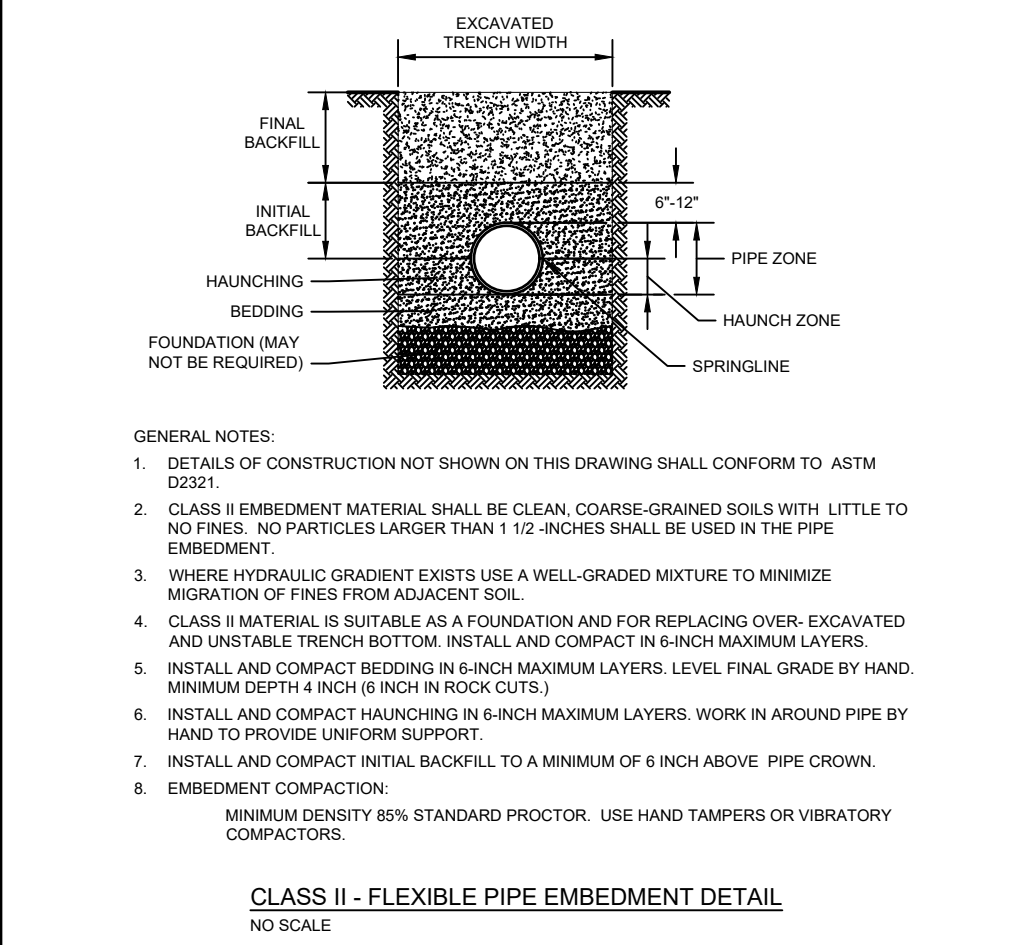
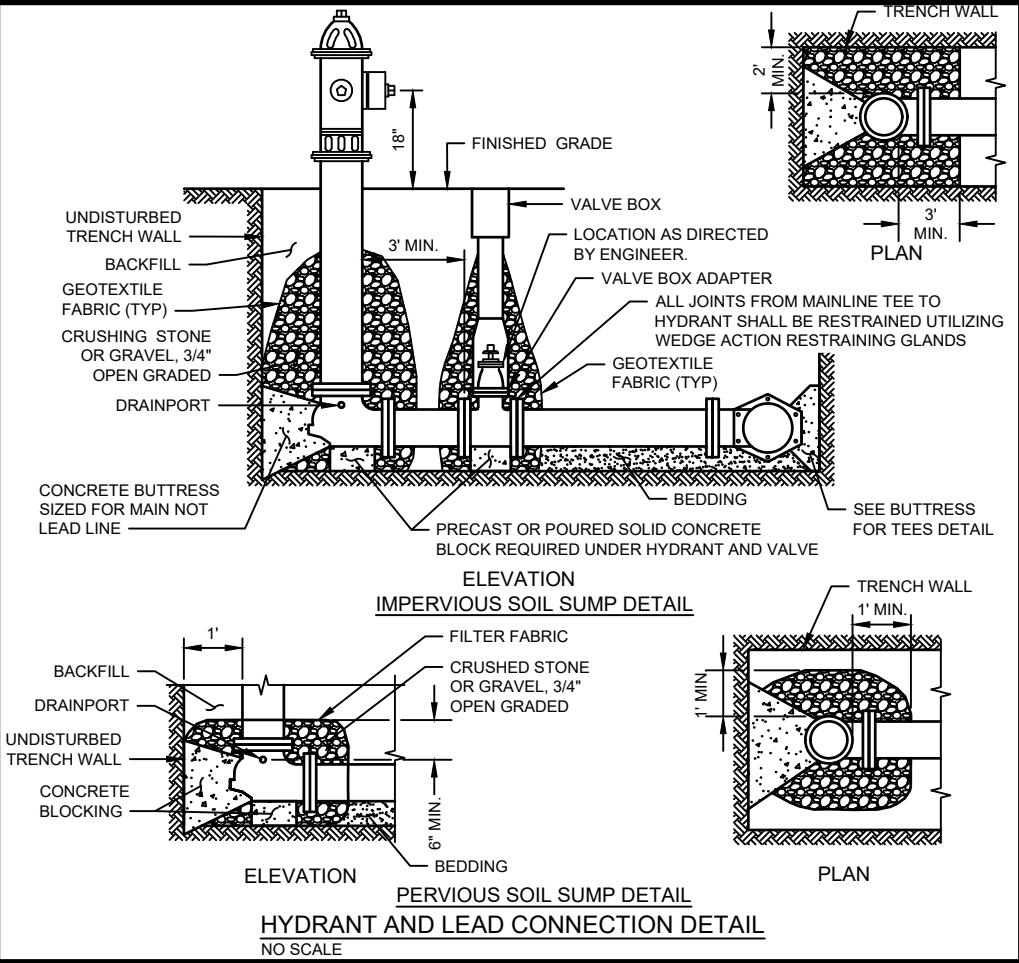
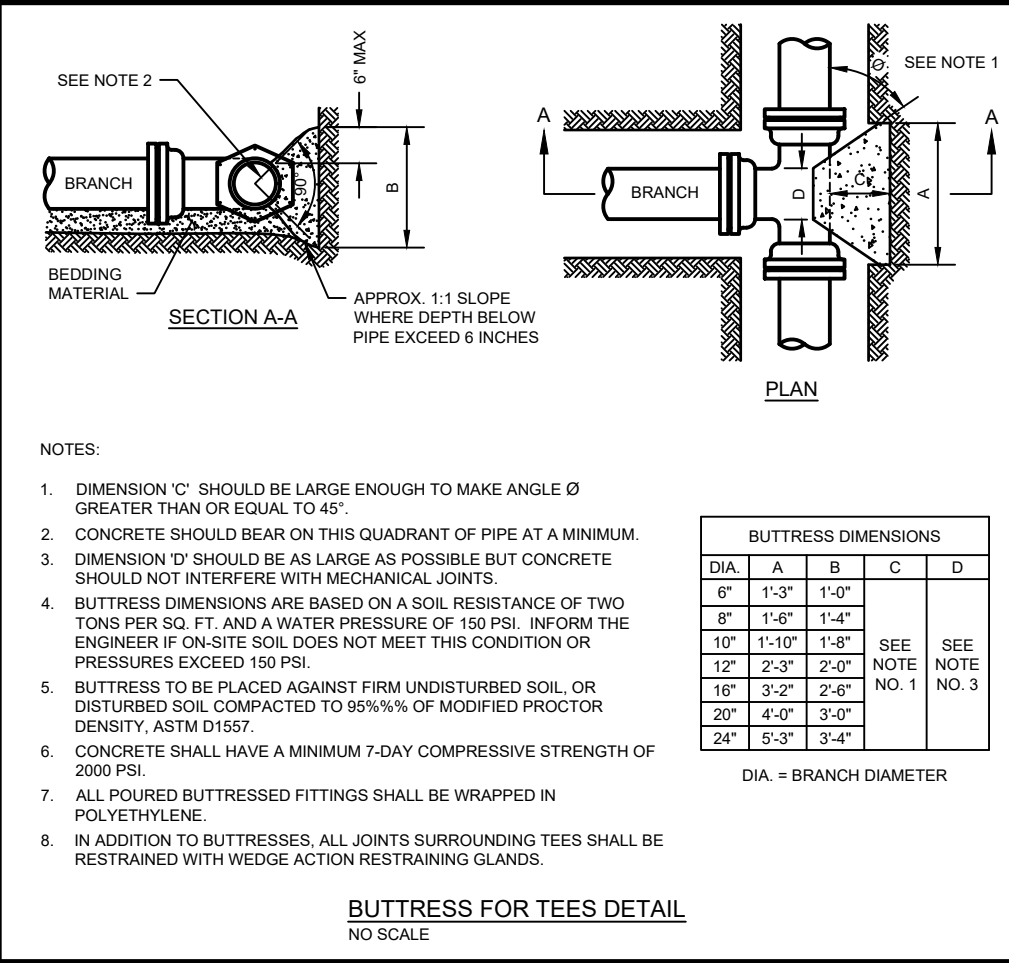
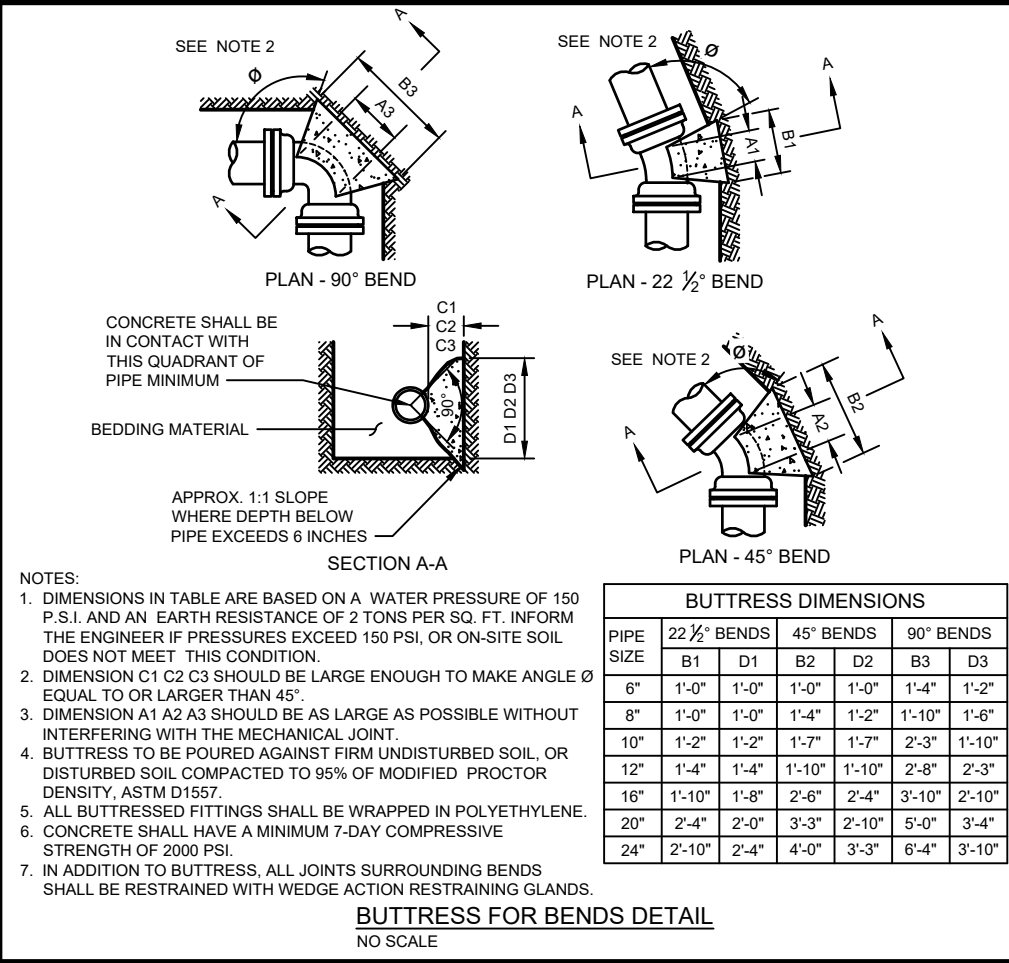
ROADWAY DETAILS

FILE NO.

08002031

SHEE

G 6

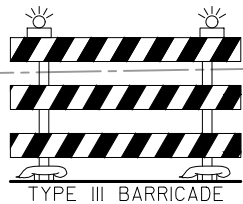


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LEGEND

- TYPE III BARRICADE
- TYPE III BARRICADE WITH SIGN
- SIGN ON PERMANENT SUPPORT
- TRAFFIC BARREL
- SIGN ON TEMPORARY SUPPORT



TYPE III BARRICADE

GENERAL NOTES:

- LOCATIONS OF SIGNS AND OTHER TRAFFIC CONTROL DEVICES ARE APPROXIMATE. THE ACTUAL LOCATIONS SHALL BE COORDINATED WITH THE VILLAGE PRIOR TO INSTALLATION TO MEET FIELD CONDITIONS.
- ADDITIONAL DRUMS OR BARRICADES MAY BE REQUIRED ADJACENT TO DROP OFFS, OPEN TRENCHES, OR PROTRUSIONS (INCLUDING MANHOLE COVERS, WATER VALVES AND INLETS). THE COST FOR THESE EXTRA MARKERS SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL BID ITEM.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL NECESSARY TRAFFIC CONTROL TO KEEP AT LEAST ONE LANE OF TRAFFIC OPEN AT ALL TIMES AT ALL INTERSECTIONS SO THAT ACCESS IS MAINTAINED TO RESIDENCES, MAILBOXES, AND BUSINESSES ADJACENT TO THE PROJECT AREA. THE COST FOR THIS WORK SHALL BE INCIDENTAL TO THE TRAFFIC CONTROL BID ITEM.
- TEMPORARY/ EMERGENCY ACCESS SHALL BE PROVIDED DURING ALL WORKING HOURS WHEN THE ROAD MAY NOT BE PASSABLE TO RESIDENTIAL TRAFFIC.
- RESIDENTS SHALL HAVE ACCESS TO ALL ROADS OUTSIDE OF WORKING HOURS, TYPICALLY 7PM TO 7AM.

E. WASHINGTON AVE.

CHERRY HILL DR.

CITRUS LN.

WILSON AVE.

E. JEFFERSON AVE.

LAKESHORE DR.

LINCOLN AVE.

BEECH ST.

LAKESHORE DR.

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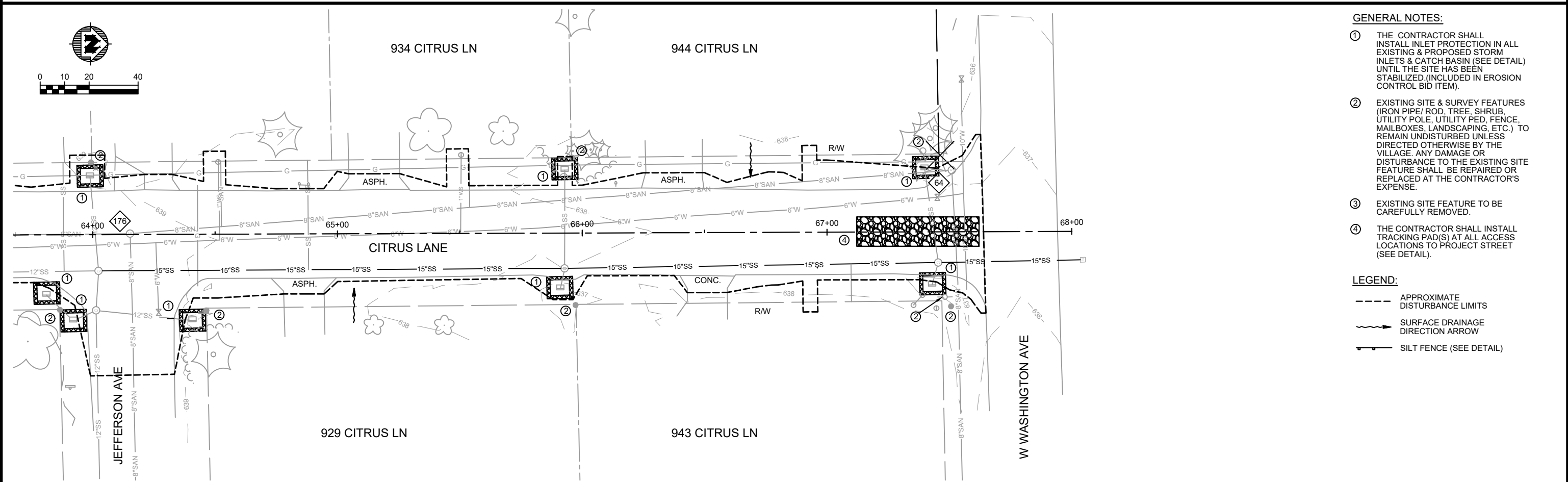
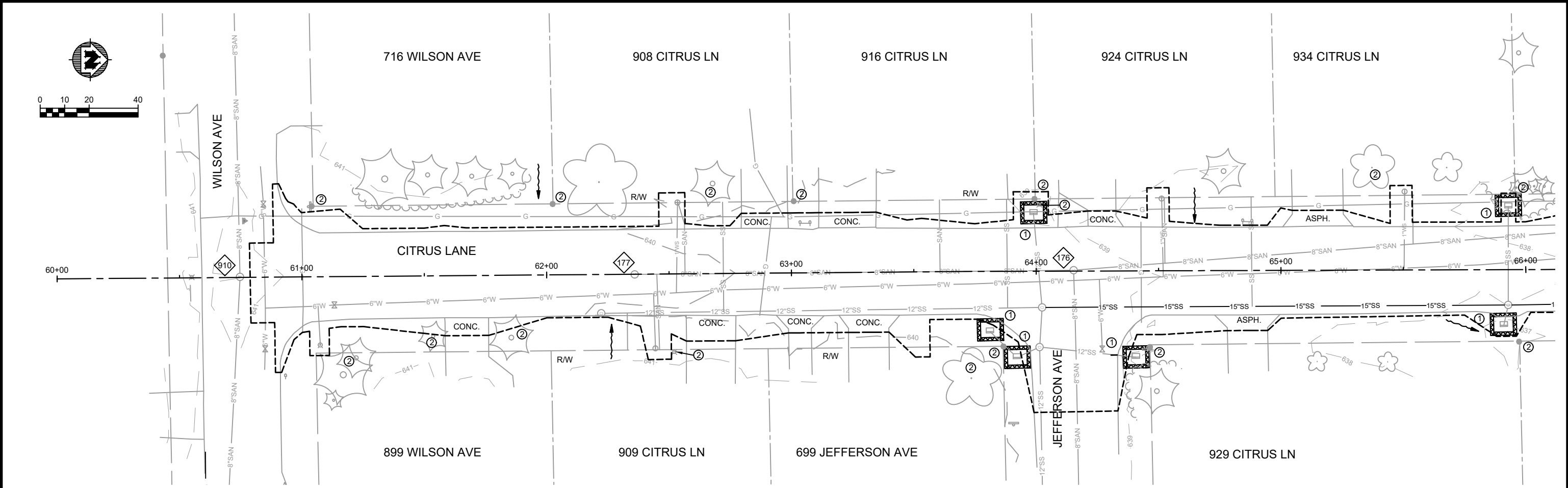


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VILLAGE OF CLEVELAND
MANITOWOC COUNTY, WI

TRAFFIC CONTROL PLAN

FILE NO.
08002031
SHEET
ST 1



- GENERAL NOTES:**
- ① THE CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL EXISTING & PROPOSED STORM INLETS & CATCH BASIN (SEE DETAIL) UNTIL THE SITE HAS BEEN STABILIZED (INCLUDED IN EROSION CONTROL BID ITEM).
 - ② EXISTING SITE & SURVEY FEATURES (IRON PIPE/ ROD, TREE, SHRUB, UTILITY POLE, UTILITY PED, FENCE, MAILBOXES, LANDSCAPING, ETC.) TO REMAIN UNDISTURBED UNLESS DIRECTED OTHERWISE BY THE VILLAGE. ANY DAMAGE OR DISTURBANCE TO THE EXISTING SITE FEATURE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
 - ③ EXISTING SITE FEATURE TO BE CAREFULLY REMOVED.
 - ④ THE CONTRACTOR SHALL INSTALL TRACKING PAD(S) AT ALL ACCESS LOCATIONS TO PROJECT STREET (SEE DETAIL).

- LEGEND:**
- APPROXIMATE DISTURBANCE LIMITS
 - SURFACE DRAINAGE DIRECTION ARROW
 - SILT FENCE (SEE DETAIL)

PROJECT DATE:	DRAWN BY:	NO.	DATE	REVISION	BY:
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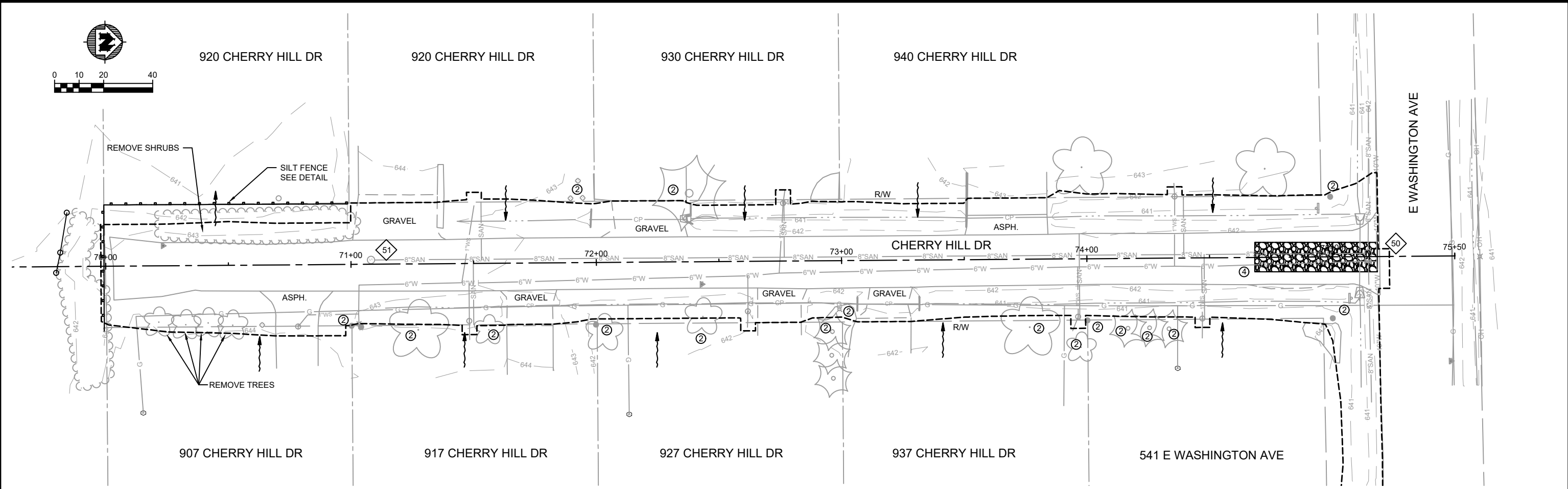


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VILLAGE OF CLEVELAND
MANITOWOC COUNTY, WI

CITRUS LANE EROSION CONTROL PLAN

PROJECT NO:
08002031
SHEET
ST 2



GENERAL NOTES:

- ① THE CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL EXISTING & PROPOSED STORM INLETS & CATCH BASIN (SEE DETAIL) UNTIL THE SITE HAS BEEN STABILIZED. (INCLUDED IN EROSION CONTROL BID ITEM).
- ② EXISTING SITE & SURVEY FEATURES (IRON PIPE/ ROD, TREE, SHRUB, UTILITY POLE, UTILITY PED, FENCE, MAILBOXES, LANDSCAPING, ETC.) TO REMAIN UNDISTURBED UNLESS DIRECTED OTHERWISE BY THE VILLAGE. ANY DAMAGE OR DISTURBANCE TO THE EXISTING SITE FEATURE SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- ③ EXISTING SITE FEATURE TO BE CAREFULLY REMOVED.
- ④ THE CONTRACTOR SHALL INSTALL TRACKING PAD(S) AT ALL ACCESS LOCATIONS TO PROJECT STREET (SEE DETAIL).

LEGEND:

- APPROXIMATE DISTURBANCE LIMITS
- SURFACE DRAINAGE DIRECTION ARROW
- SILT FENCE (SEE DETAIL)

PROJECT DATE:	DRAWN BY:	EE	NO.	DATE	REVISION	BY
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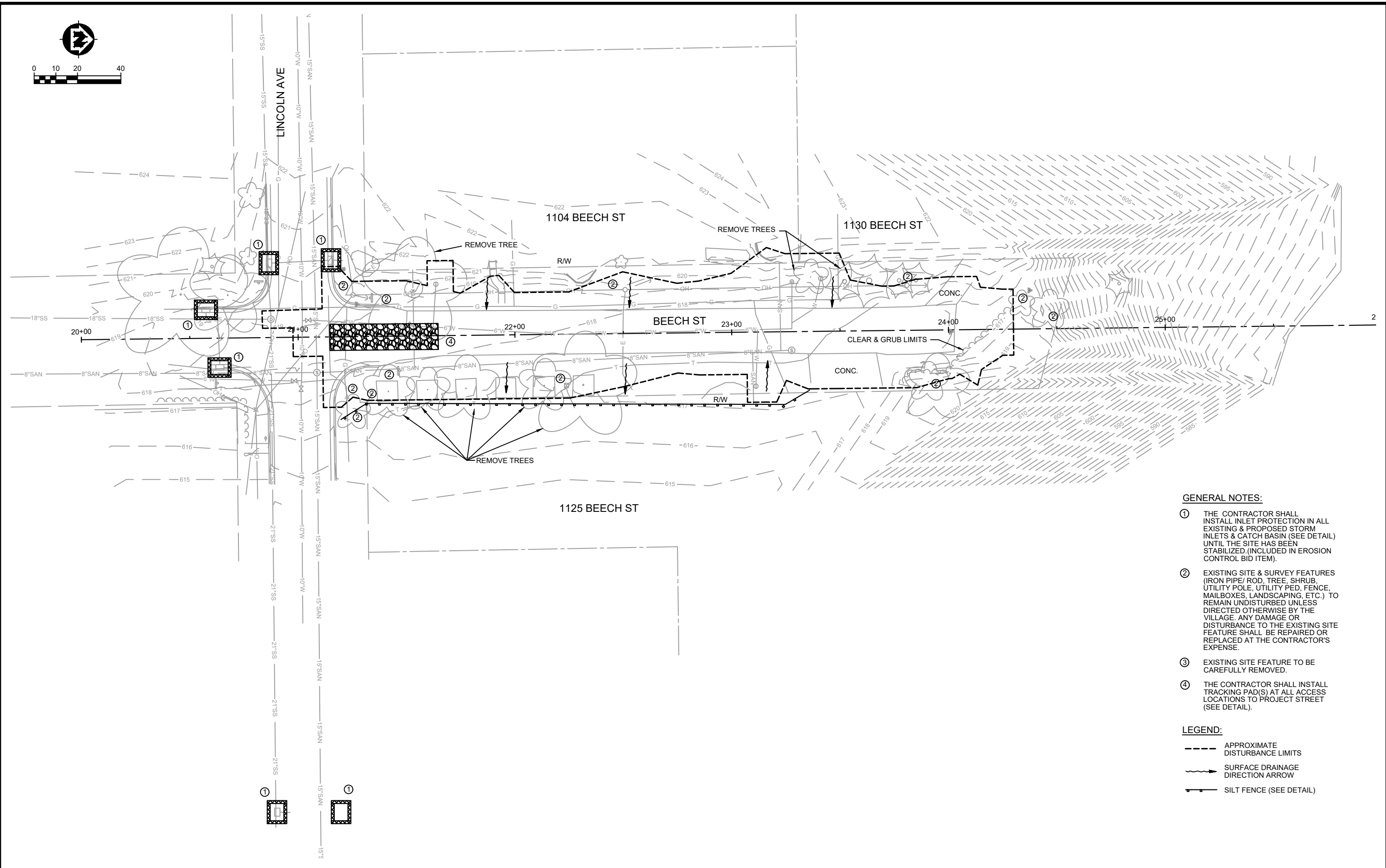


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CHERRY HILL DRIVE EROSION CONTROL PLAN

PROJECT NO:
08002031
SHEET
ST 3



- GENERAL NOTES:**
- ① THE CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL EXISTING & PROPOSED STORM INLETS & CATCH BASIN (SEE DETAIL) UNTIL THE SITE HAS BEEN STABILIZED. (INCLUDED IN EROSION CONTROL BID ITEM).
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 - ③ EXISTING SITE FEATURE TO BE CAREFULLY REMOVED.
 - ④ THE CONTRACTOR SHALL INSTALL TRACKING PAD(S) AT ALL ACCESS LOCATIONS TO PROJECT STREET (SEE DETAIL).

- LEGEND:**
- APPROXIMATE DISTURBANCE LIMITS
 - SURFACE DRAINAGE DIRECTION ARROW
 - SILT FENCE (SEE DETAIL)

PROJECT DATE:	DRAWN BY:	EE	NO.	DATE	REVISION	BY:
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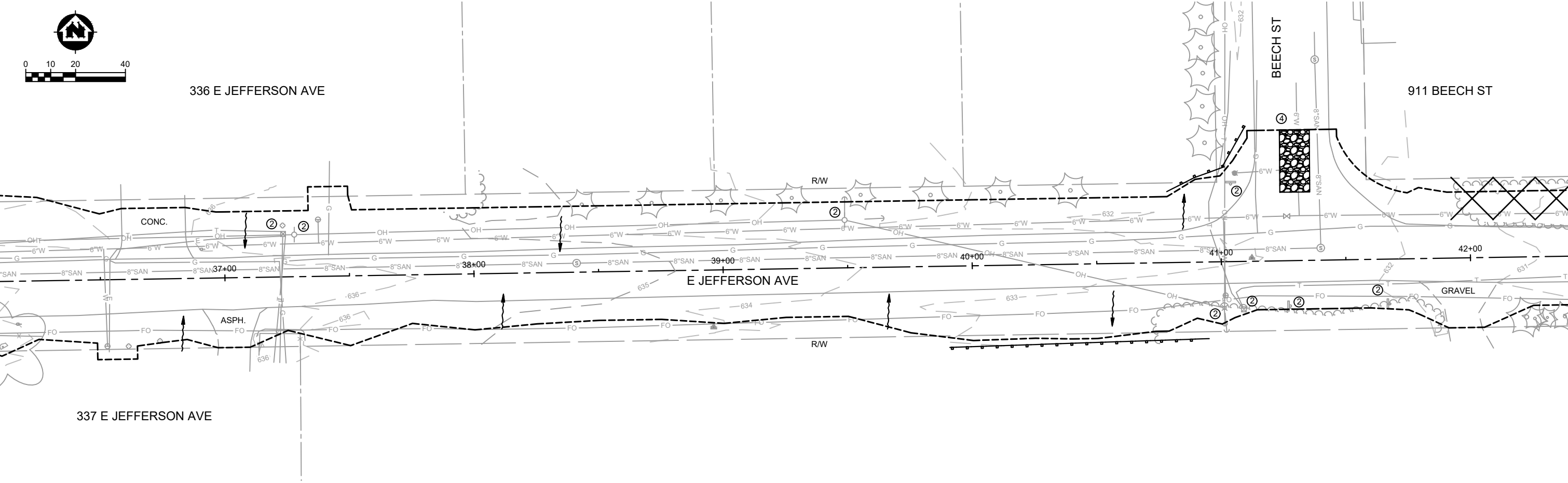
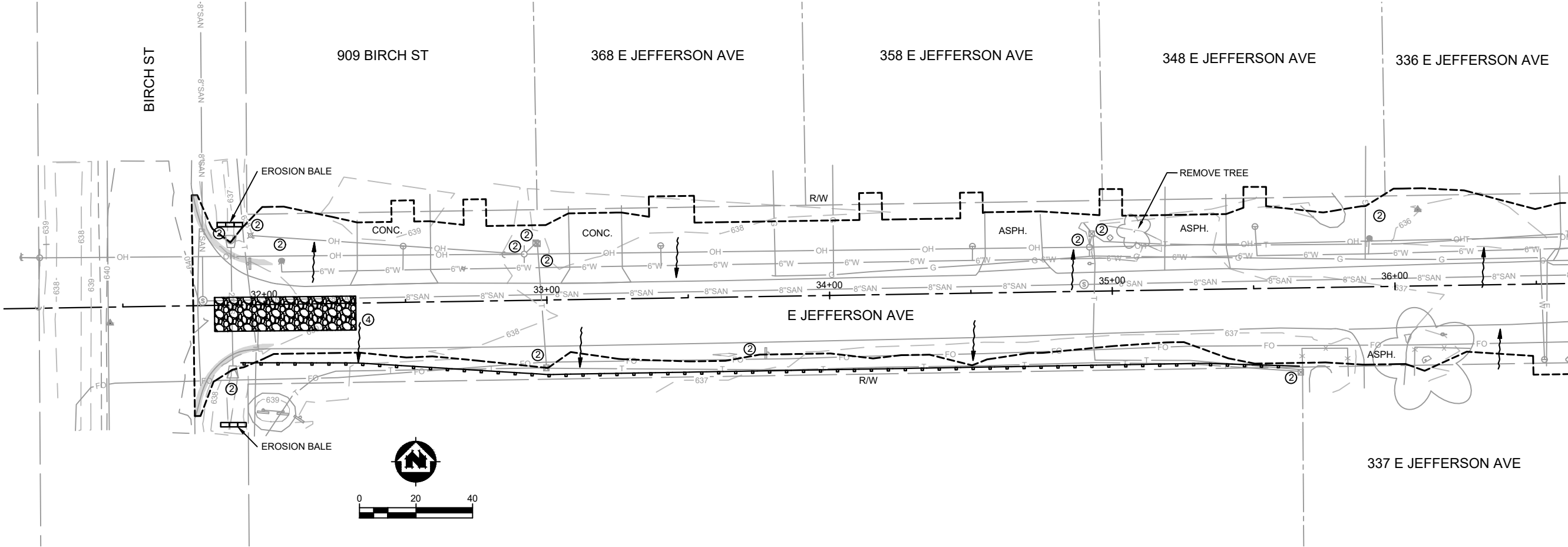
BEECH ST EROSION CONTROL PLAN

GENERAL NOTES:

- ① THE CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL EXISTING & PROPOSED STORM INLETS & CATCH BASIN (SEE DETAIL) UNTIL THE SITE HAS BEEN STABILIZED. (INCLUDED IN EROSION CONTROL BID ITEM).
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LEGEND:

- APPROXIMATE DISTURBANCE LIMITS
- SURFACE DRAINAGE DIRECTION ARROW
- SILT FENCE (SEE DETAIL)



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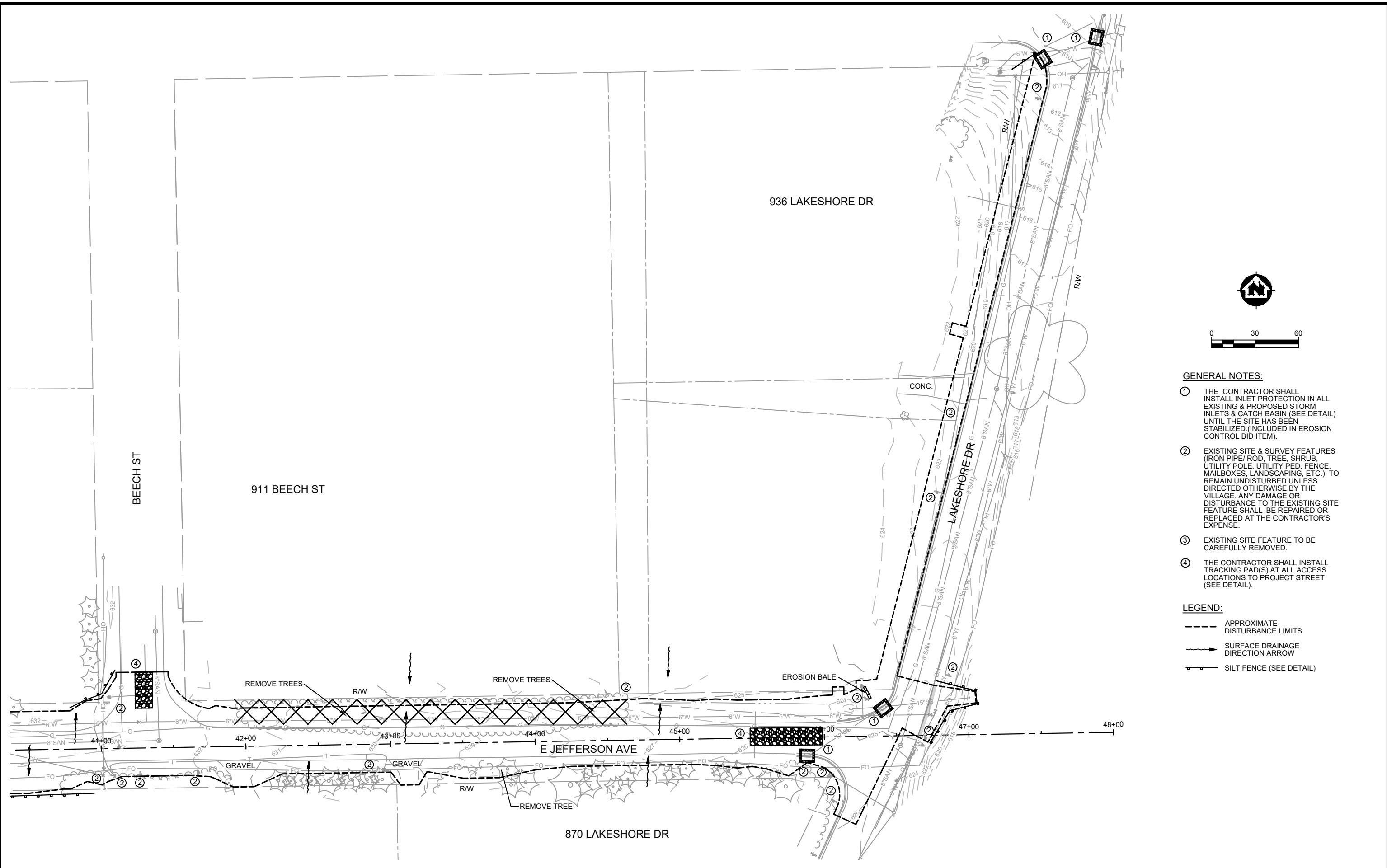


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MANITOWOC COUNTY, WI

E JEFFERSON AVE EROSION CONTROL PLAN

FILE NO. 08002029
SHEET ST 6



- GENERAL NOTES:**
- ① THE CONTRACTOR SHALL INSTALL INLET PROTECTION IN ALL EXISTING & PROPOSED STORM INLETS & CATCH BASIN (SEE DETAIL) UNTIL THE SITE HAS BEEN STABILIZED. (INCLUDED IN EROSION CONTROL BID ITEM).
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 - ④ THE CONTRACTOR SHALL INSTALL TRACKING PAD(S) AT ALL ACCESS LOCATIONS TO PROJECT STREET (SEE DETAIL).

- LEGEND:**
- APPROXIMATE DISTURBANCE LIMITS
 - SURFACE DRAINAGE DIRECTION ARROW
 - SILT FENCE (SEE DETAIL)

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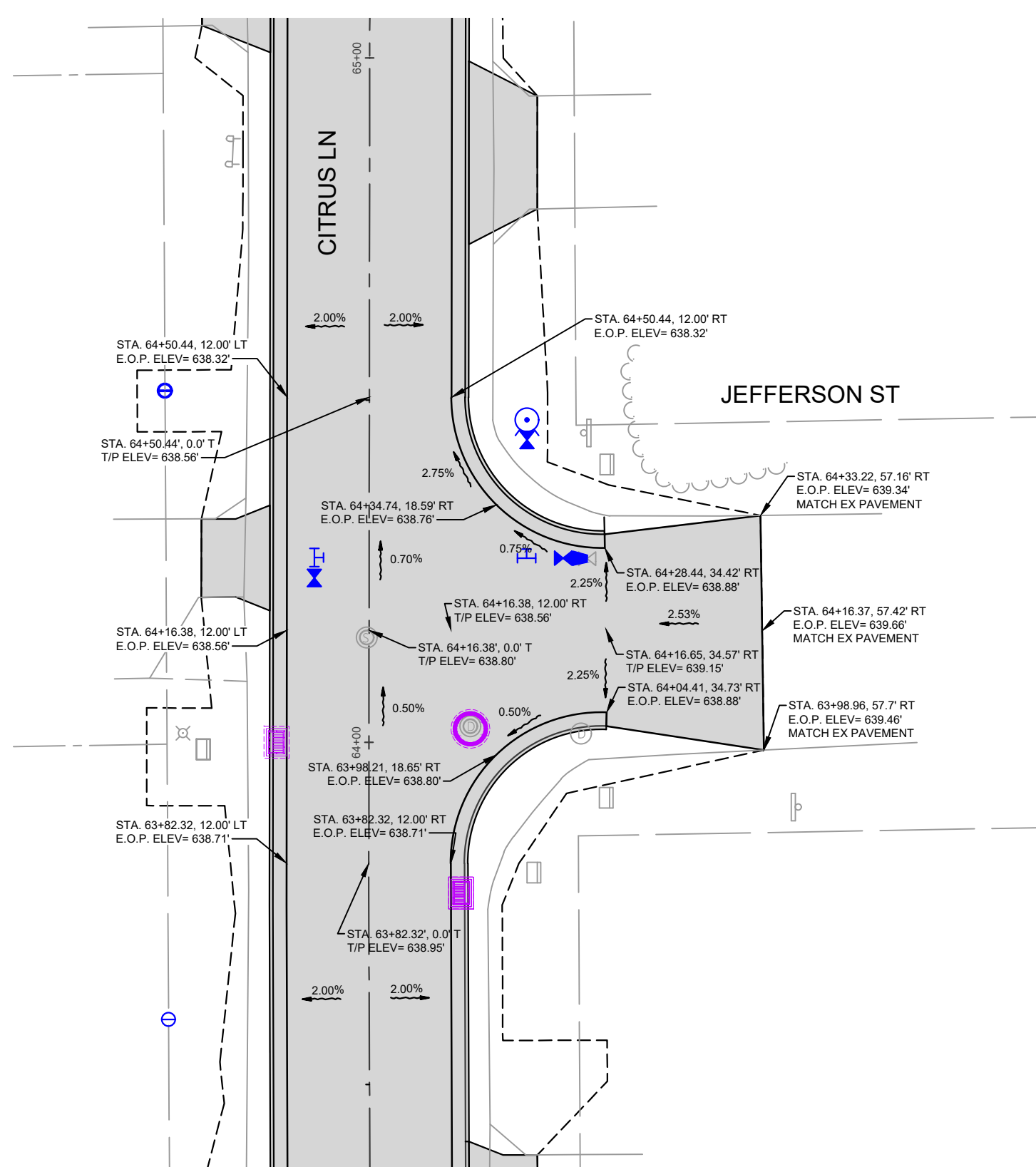
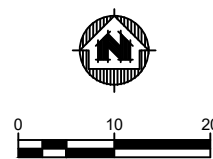
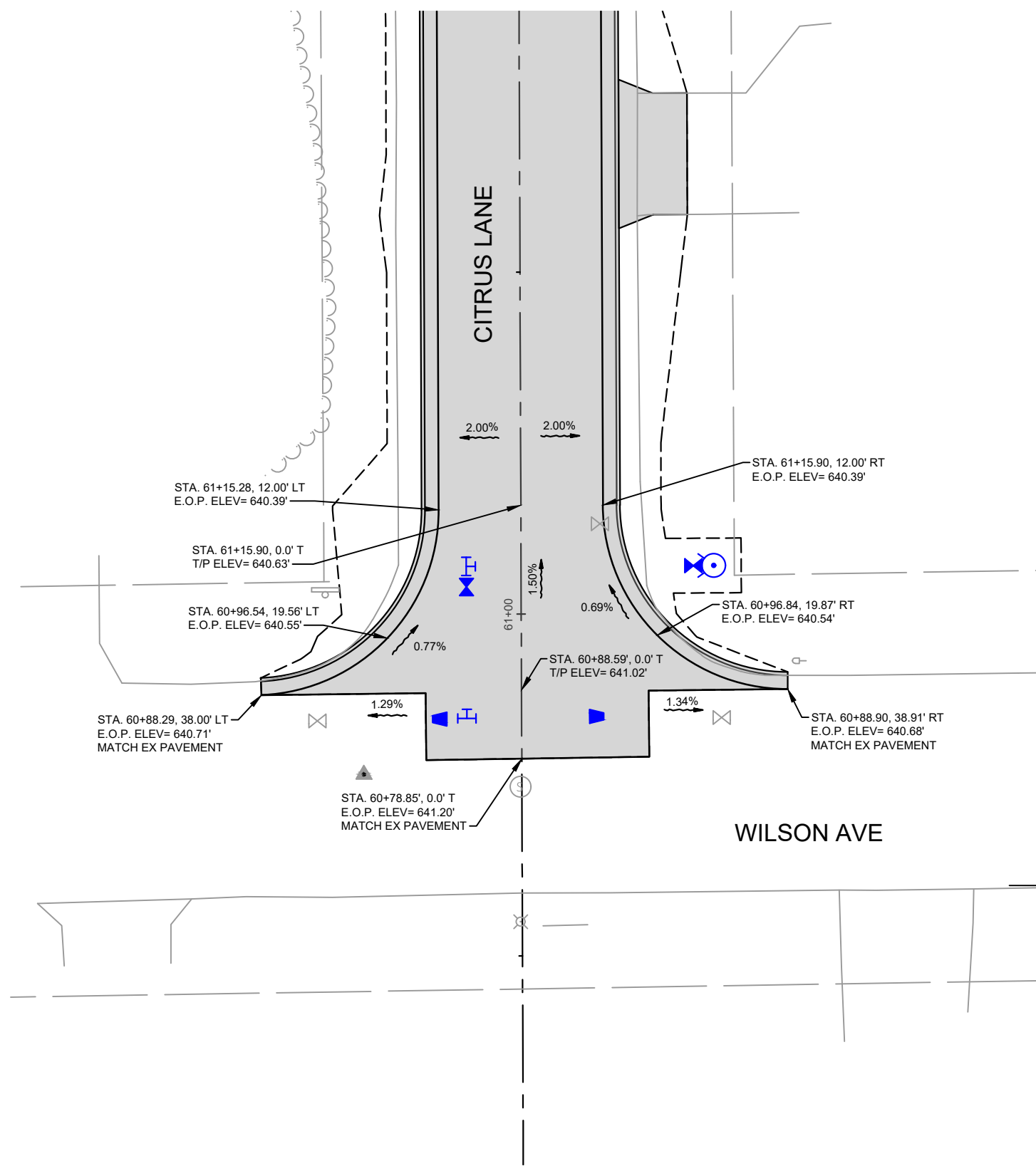
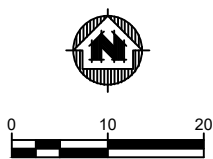
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E JEFFERSON AVE & LAKESHORE AVE EROSION CONTROL PLAN

FILE NO. 08002029
SHEET ST 7

LEGEND:
T/P ELEV= TOP OF PAVEMENT ELEVATION
E.O.P. ELEV= EDGE OF PAVEMENT



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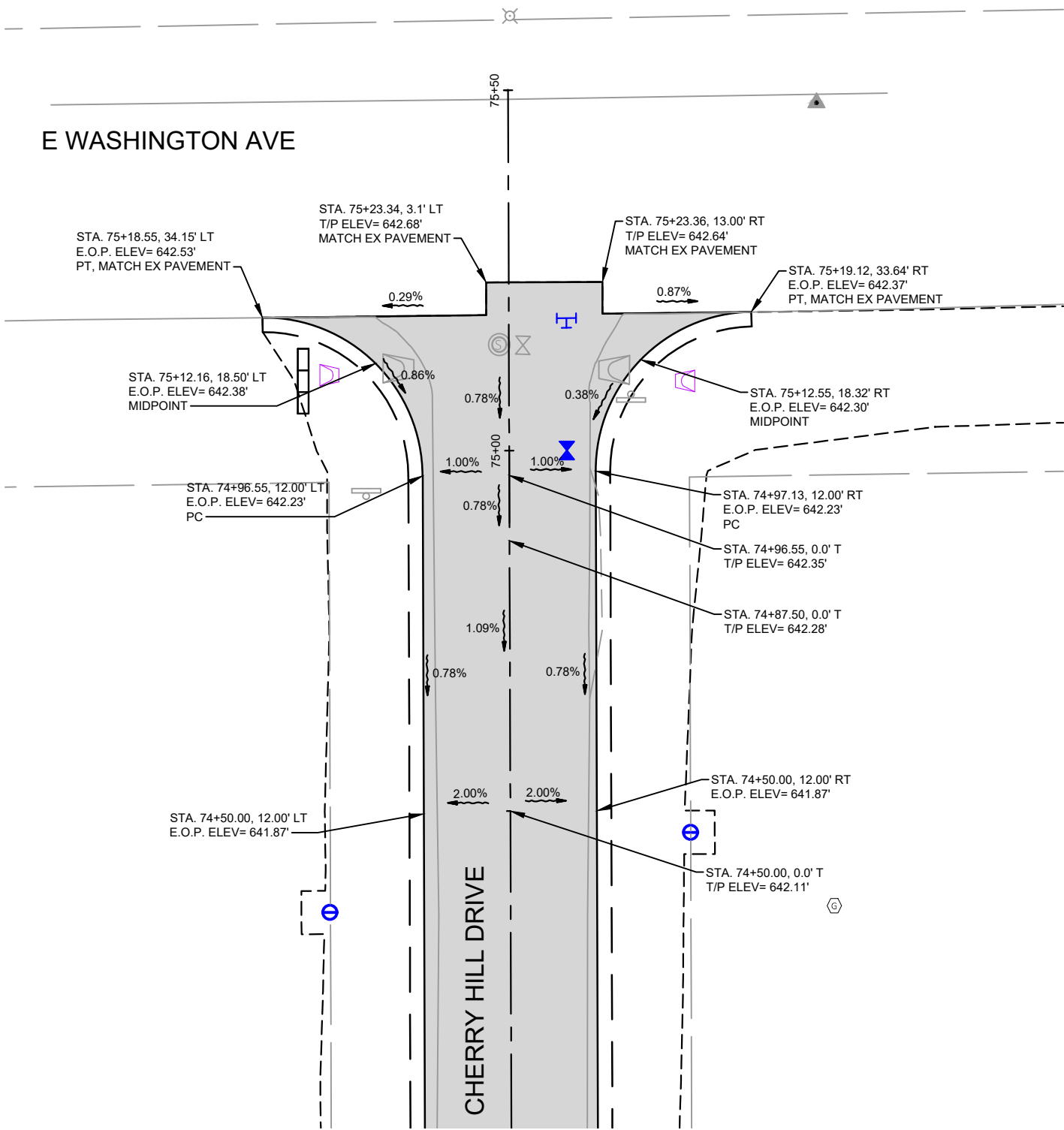
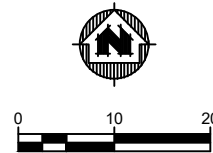
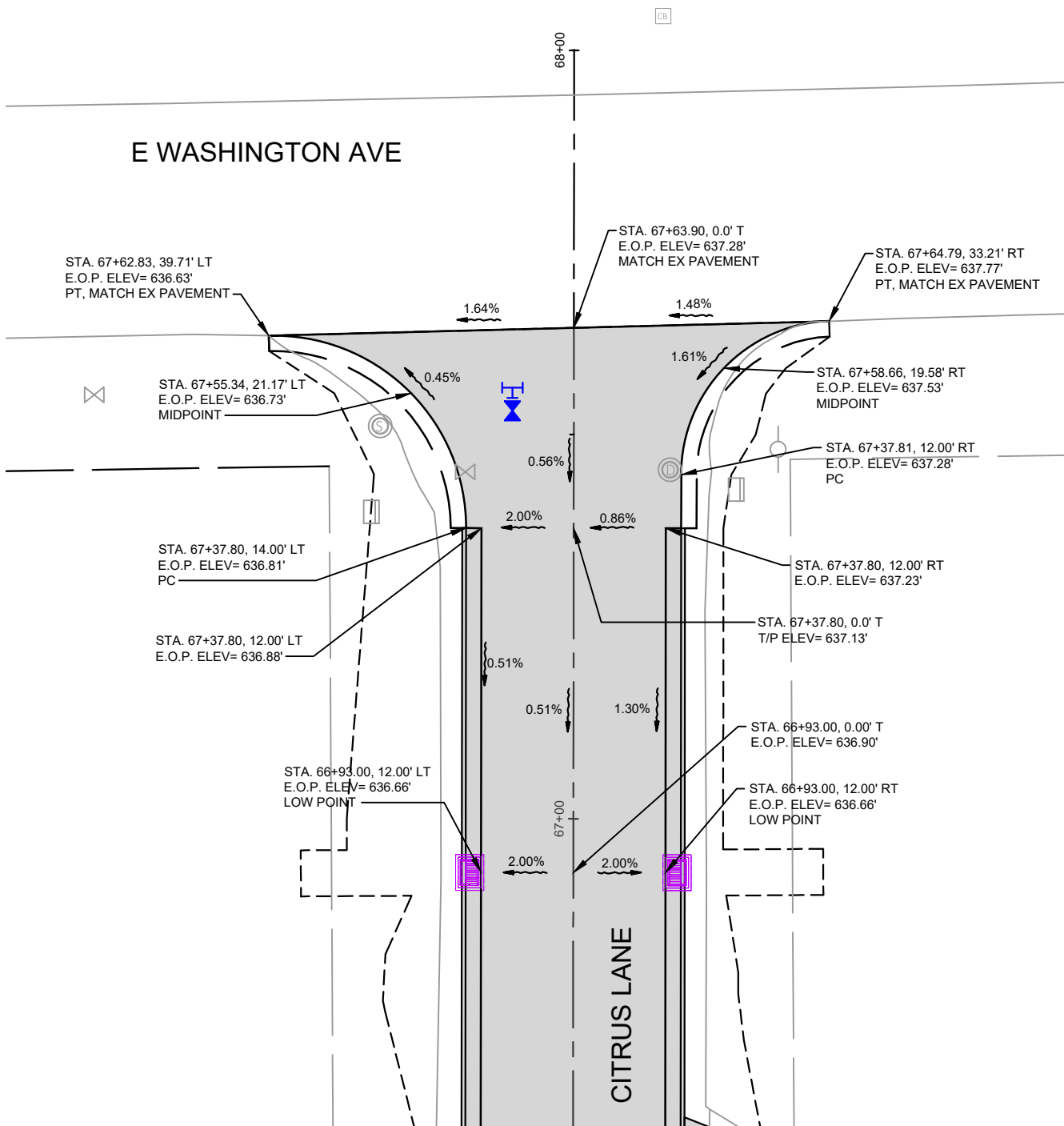
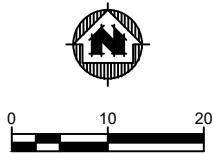
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CITRUS LANE INTERSECTION PLANS

PROJECT NO:
08002031
SHEET
ST 8

LEGEND:
T/P ELEV= TOP OF PAVEMENT ELEVATION
E.O.P. ELEV= EDGE OF PAVEMENT



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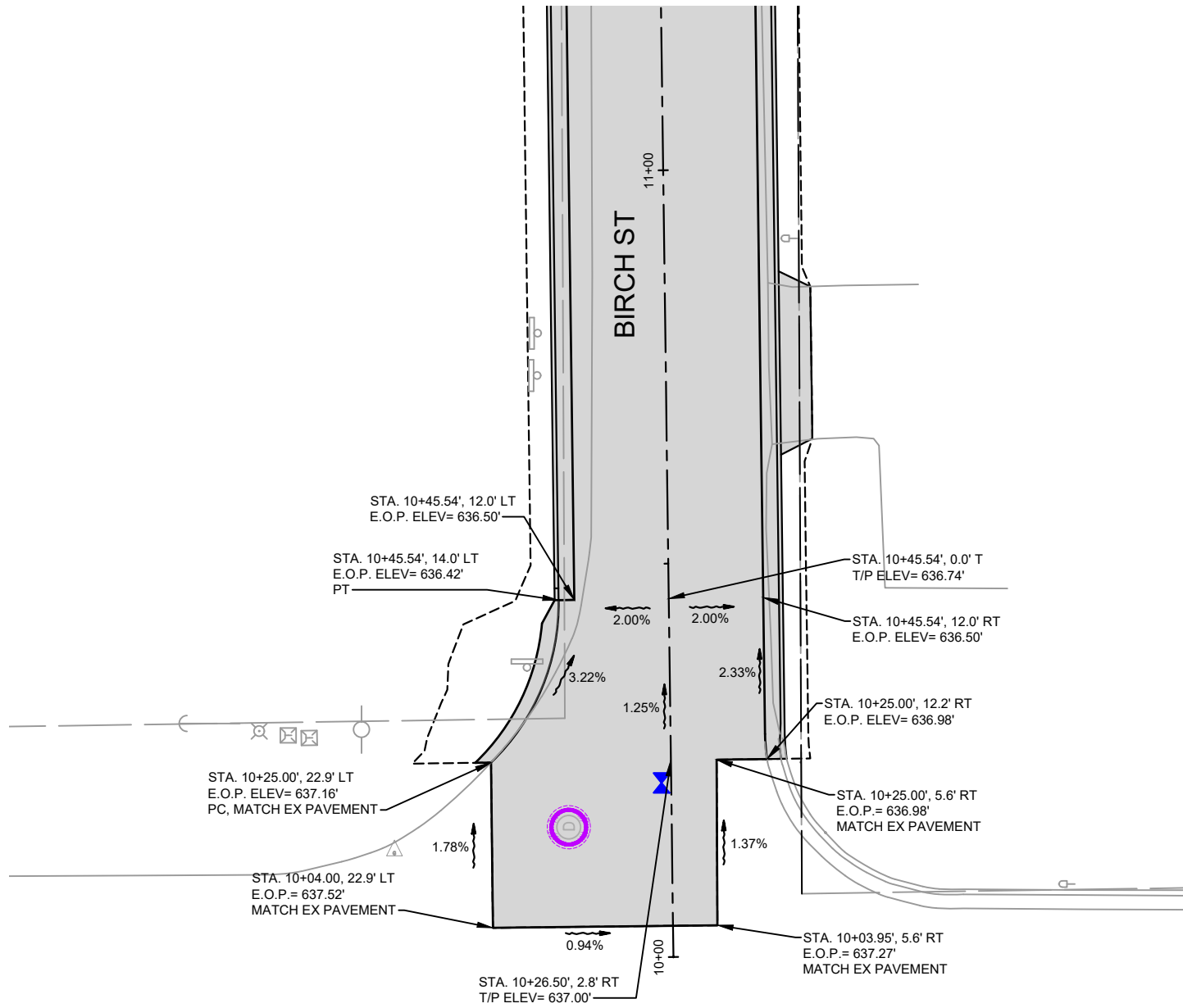
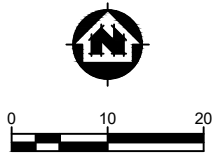
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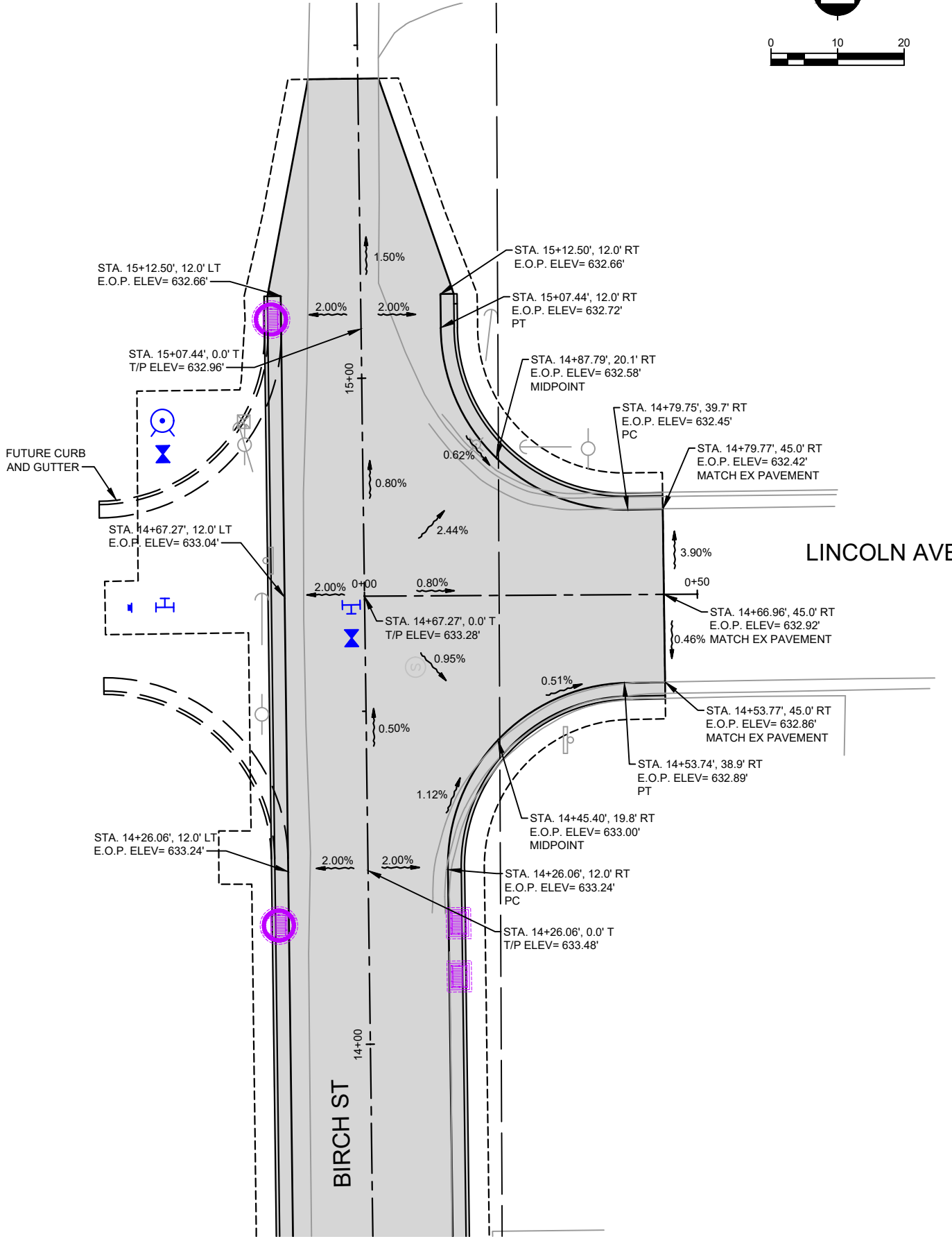
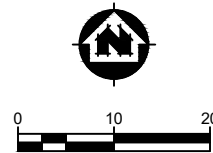
CITRUS LANE AND CHERRY HILL DR
INTERSECTION PLANS

PROJECT NO:
08002031
SHEET
ST 9

LEGEND:
T/P ELEV= TOP OF PAVEMENT ELEVATION
E.O.P. ELEV= EDGE OF PAVEMENT



E WASHINGTON AVE / CTH XX



LINCOLN AVE

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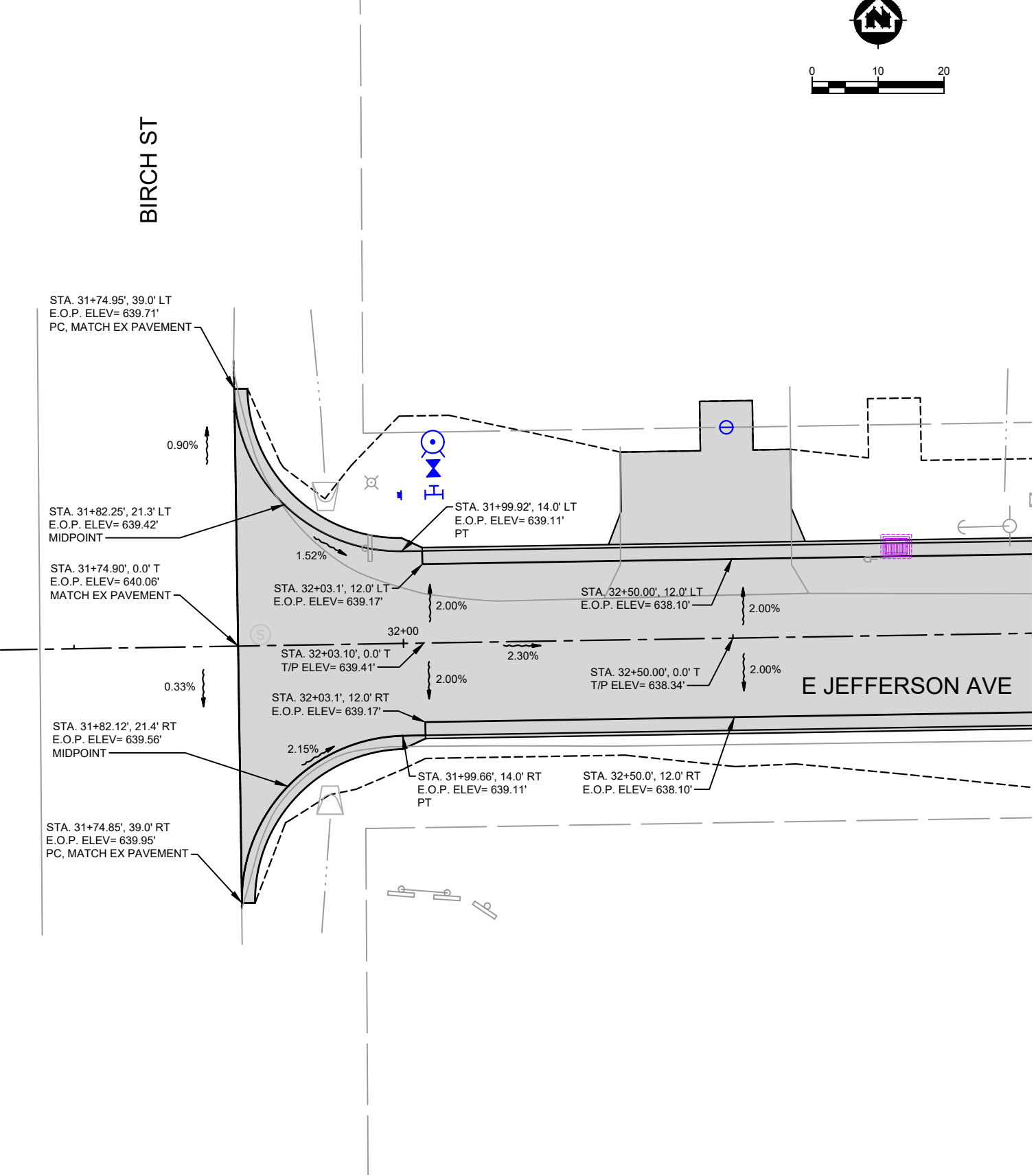
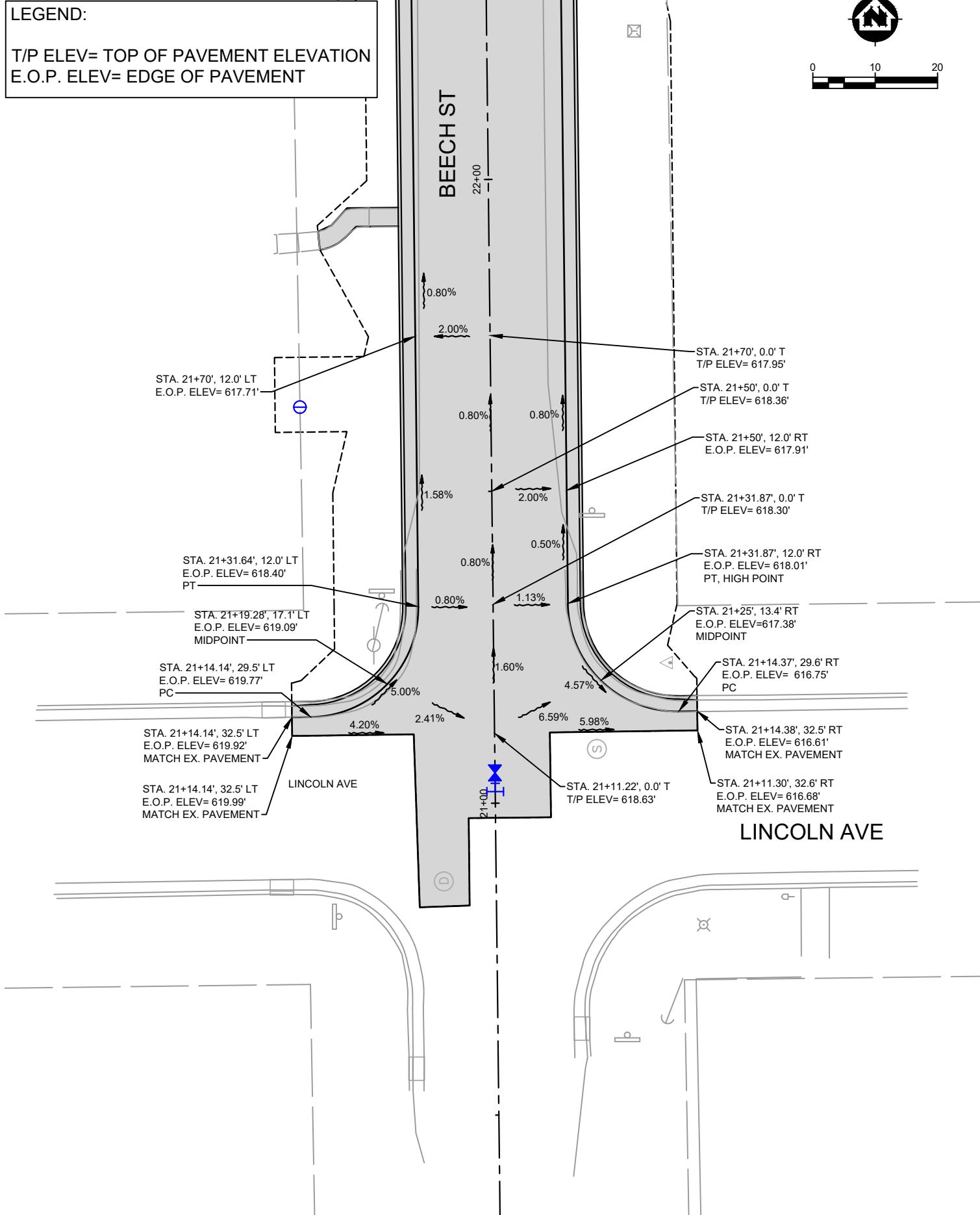
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BIRCH ST INTERSECTION PLANS

FILE NO. 08002029
SHEET ST 10

LEGEND:
T/P ELEV= TOP OF PAVEMENT ELEVATION
E.O.P. ELEV= EDGE OF PAVEMENT



LEGEND:
T/P ELEV= TOP OF PAVEMENT ELEVATION
E.O.P. ELEV= EDGE OF PAVEMENT

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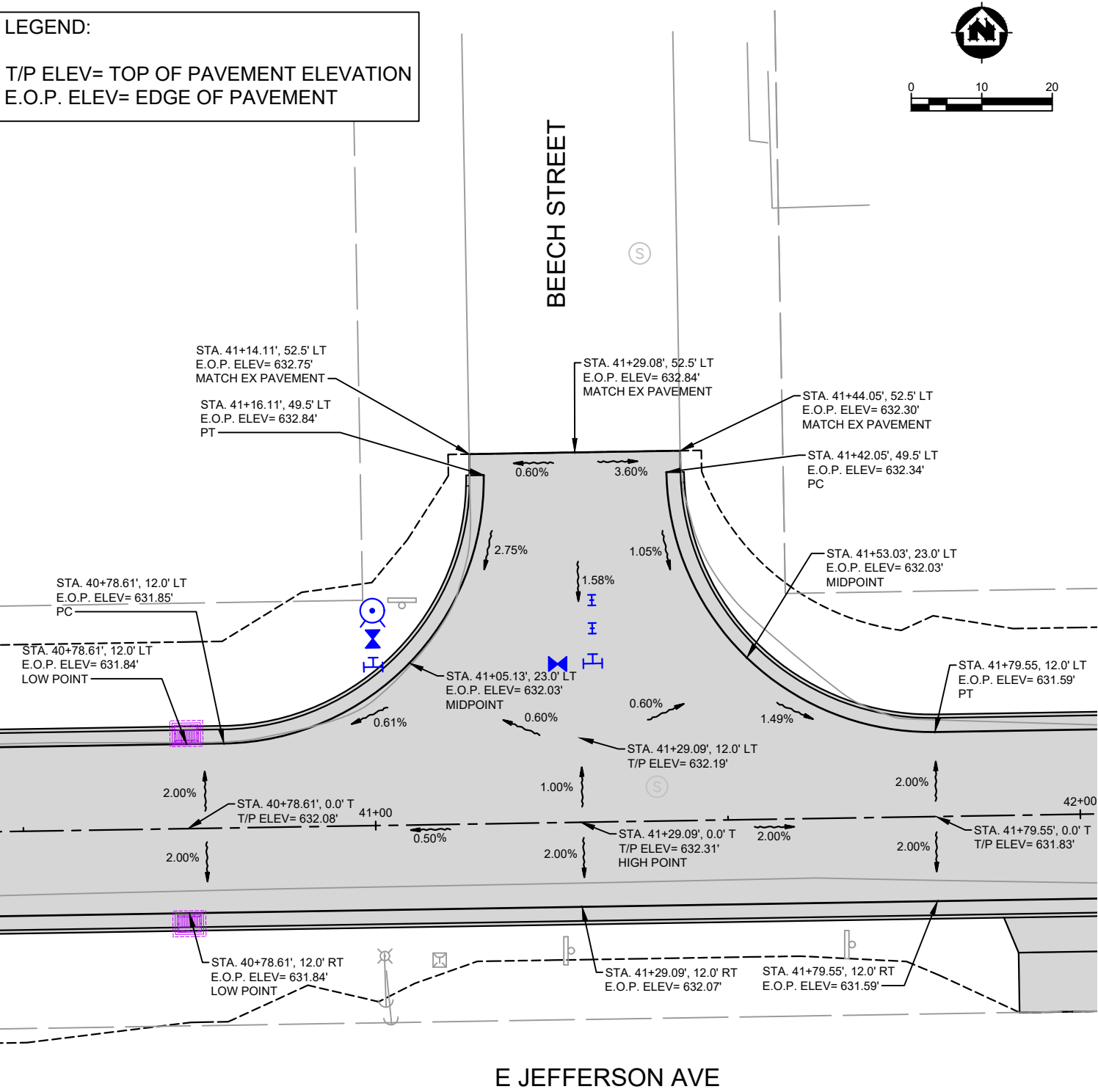
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MANITOWOC COUNTY, WI

BEECH ST & E JEFFERSON AVE INTERSECTION PLANS

FILE NO. 08002029
SHEET ST 11

LEGEND:
T/P ELEV= TOP OF PAVEMENT ELEVATION
E.O.P. ELEV= EDGE OF PAVEMENT



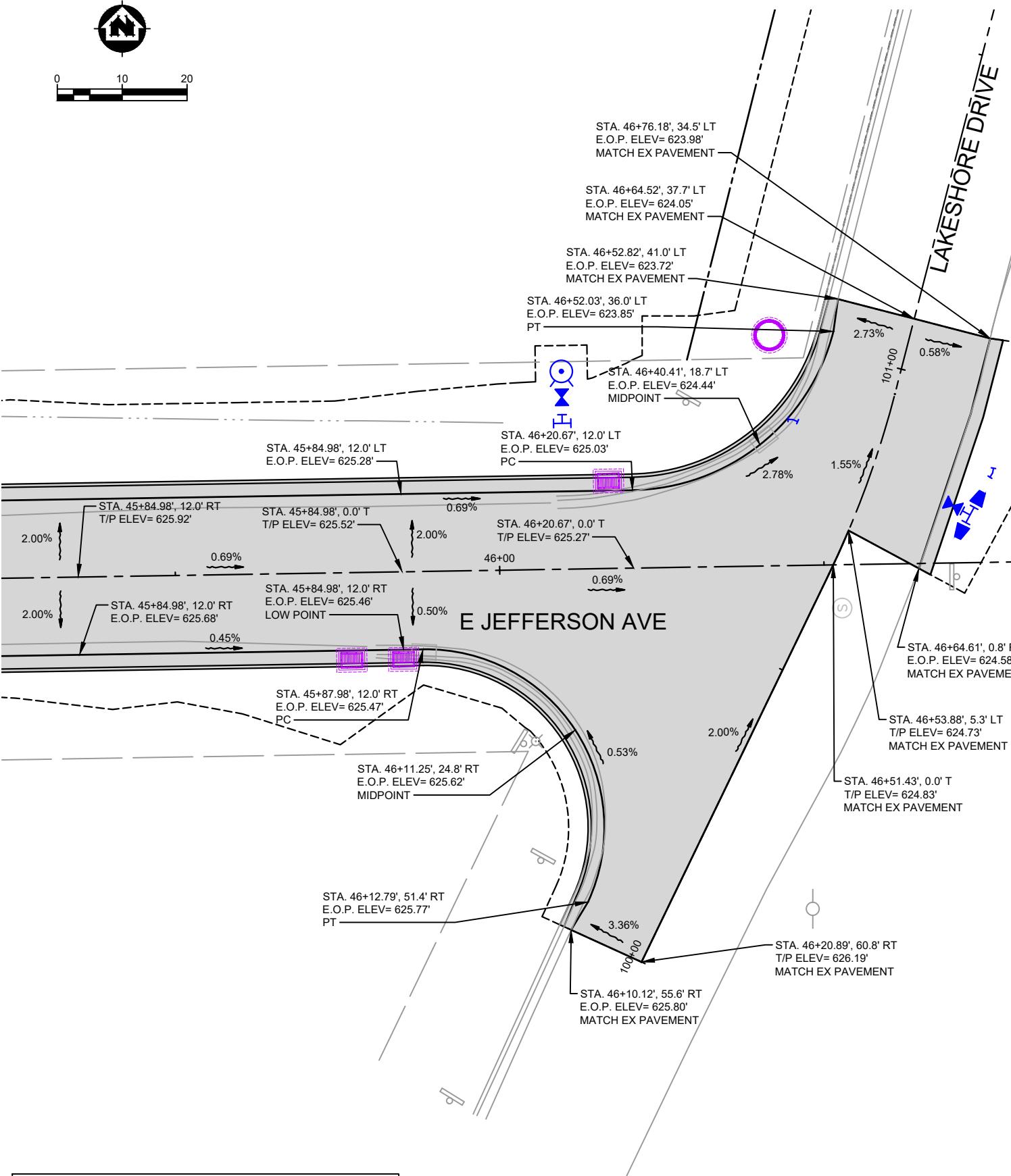
E JEFFERSON AVE

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	CHECKED BY:	DWR	-	-	-	-

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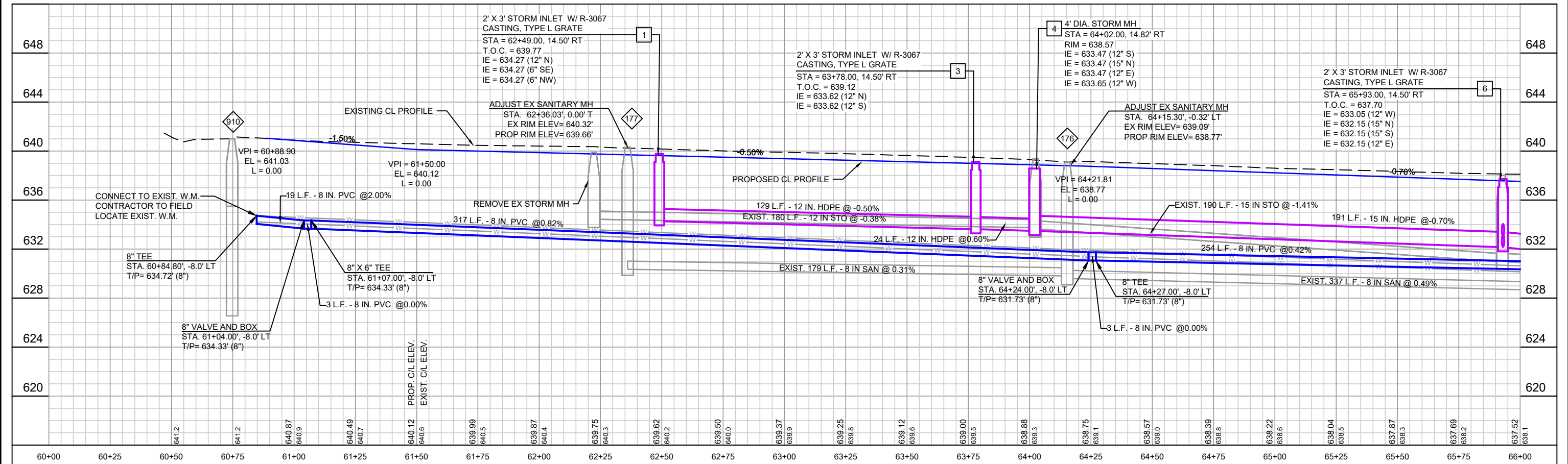
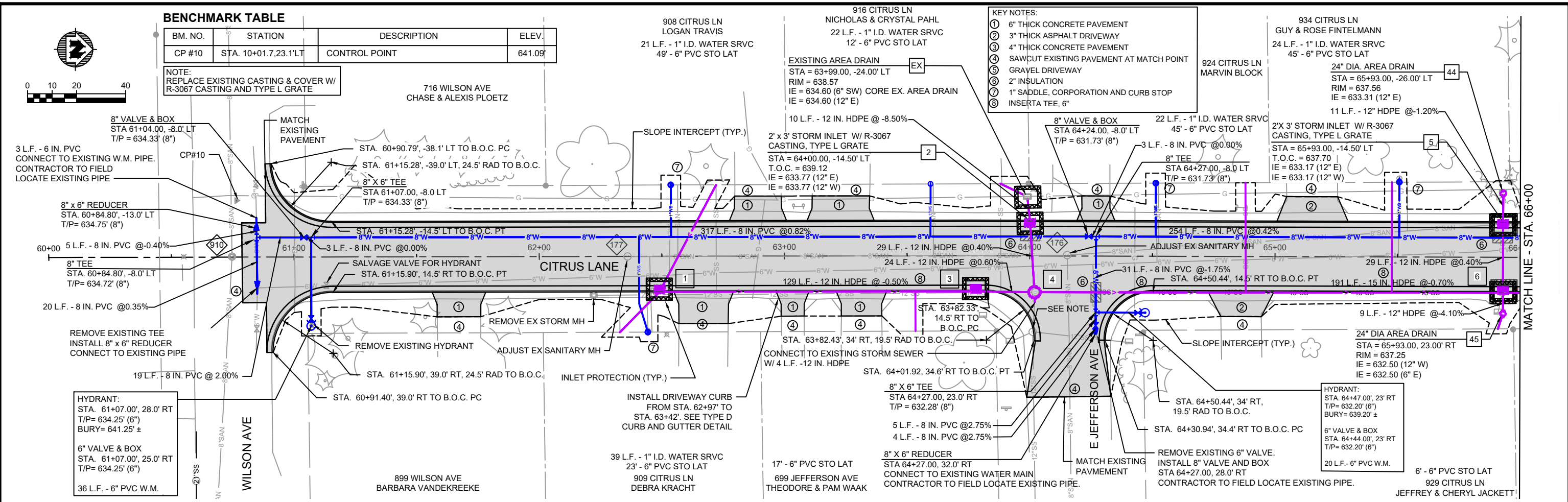
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LEGEND:
T/P ELEV= TOP OF PAVEMENT ELEVATION
E.O.P. ELEV= EDGE OF PAVEMENT

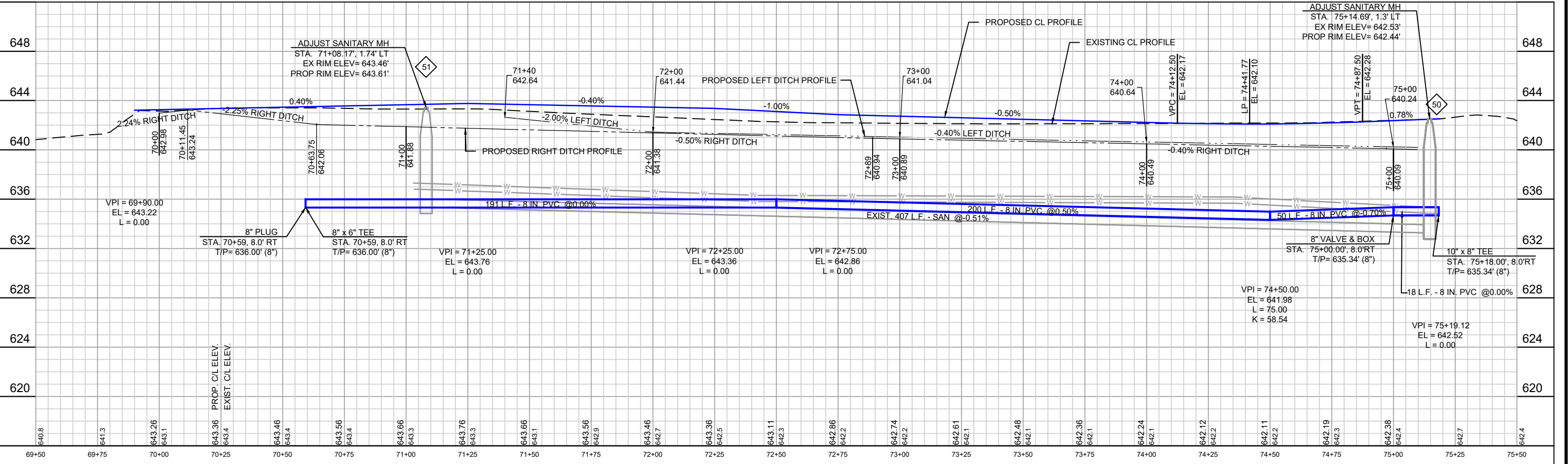
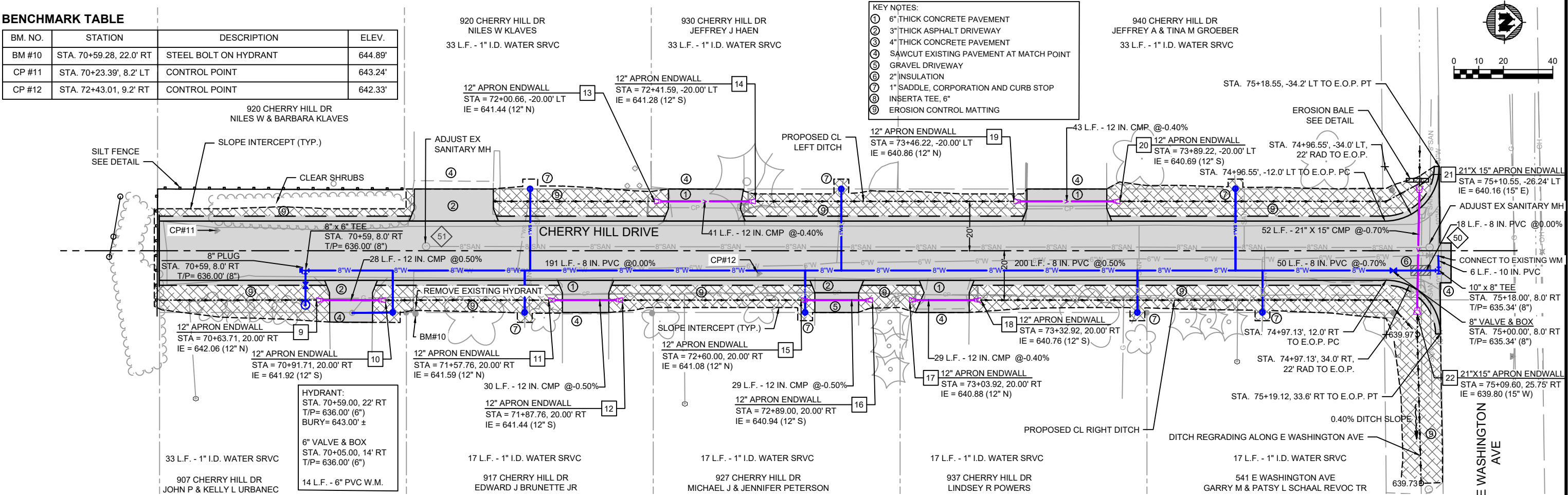
2022 STREET AND UTILITY IMPROVEMENTS
VILLAGE OF CLEVELAND
MANITOWOC COUNTY, WI

E JEFFERSON AVE INTERSECTION PLANS



BENCHMARK TABLE

BM. NO.	STATION	DESCRIPTION	ELEV.
BM #10	STA. 70+59.28, 22.0' RT	STEEL BOLT ON HYDRANT	644.89'
CP #11	STA. 70+23.39', 8.2' LT	CONTROL POINT	643.24'
CP #12	STA. 72+43.01, 9.2' RT	CONTROL POINT	642.33'



PROJECT DATE:	NO.	DATE	REVISION	BY
March 24, 2022	1			
DRAWN BY: EE				
DESIGNED BY: DWR				
CHECKED BY: DWR				

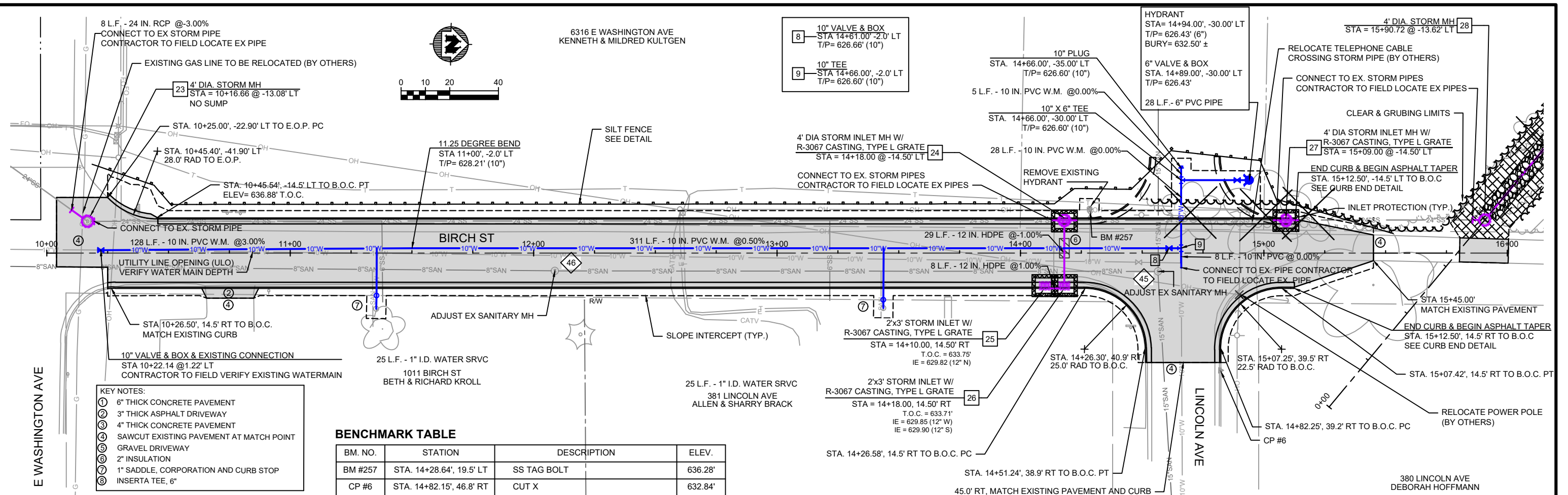
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MANITOWOC COUNTY, WI

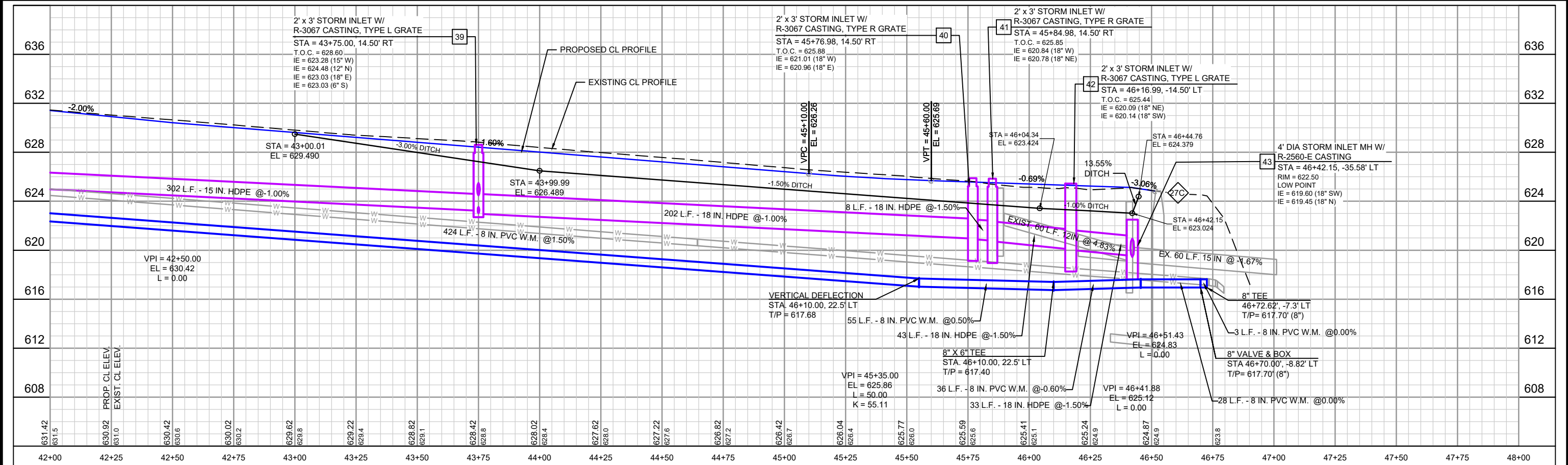
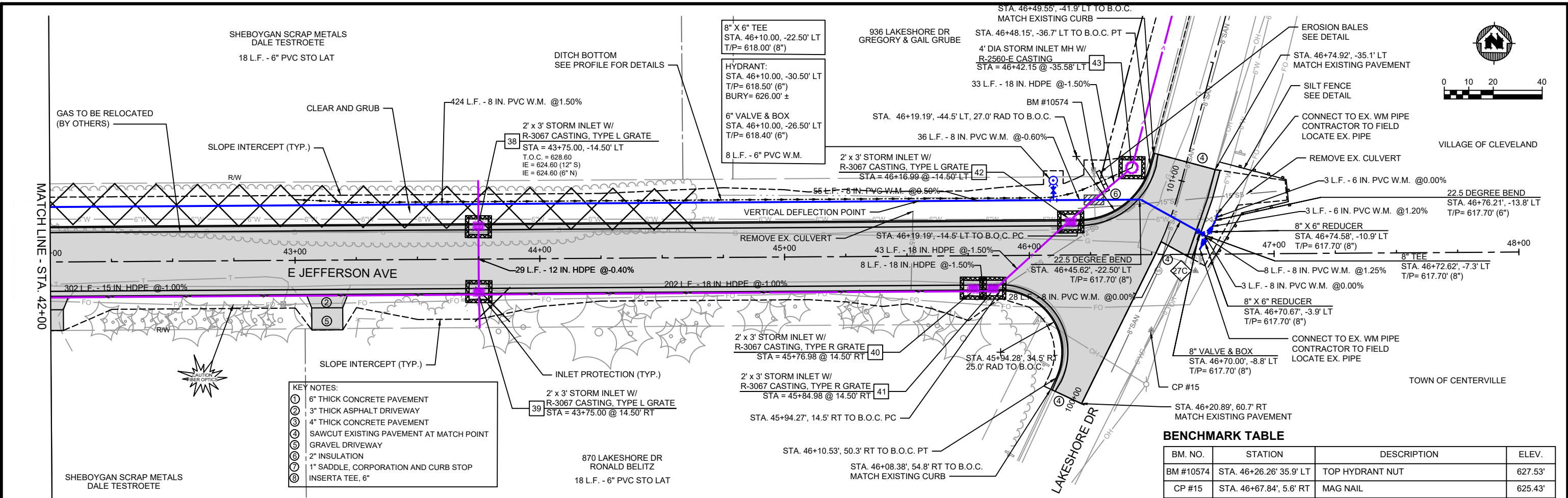
CHERRY HILL DRIVE PLAN & PROFILE

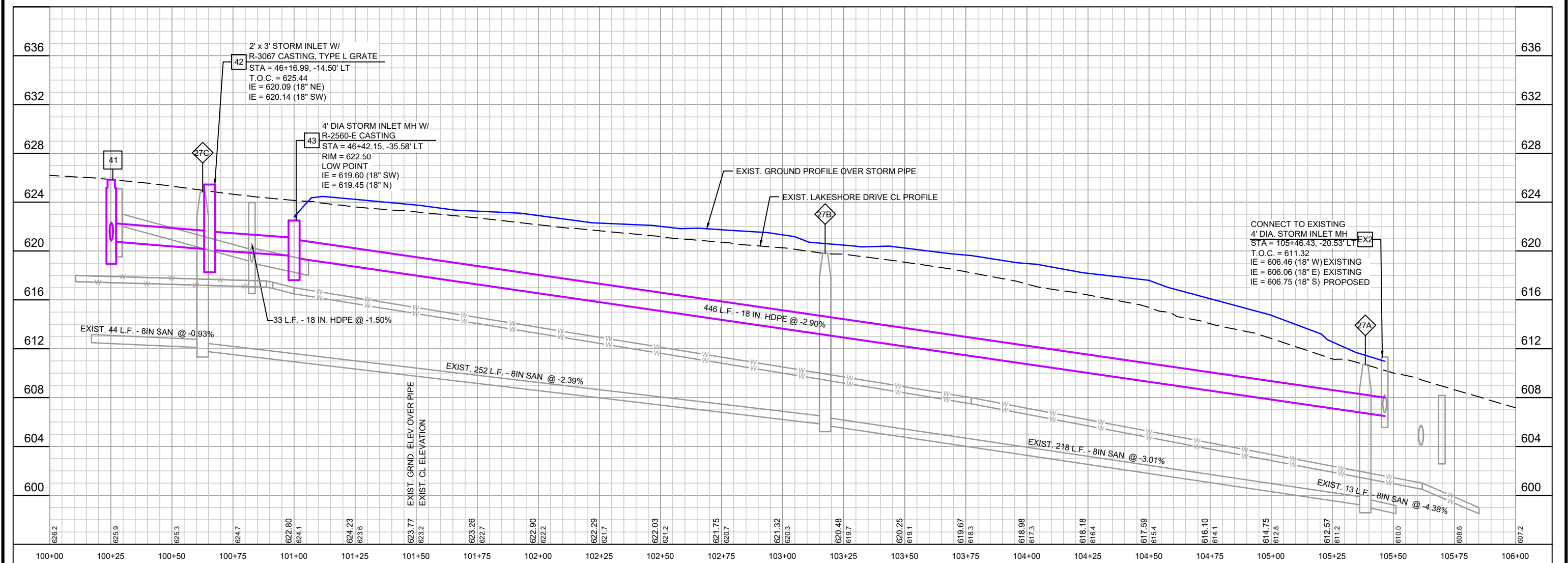
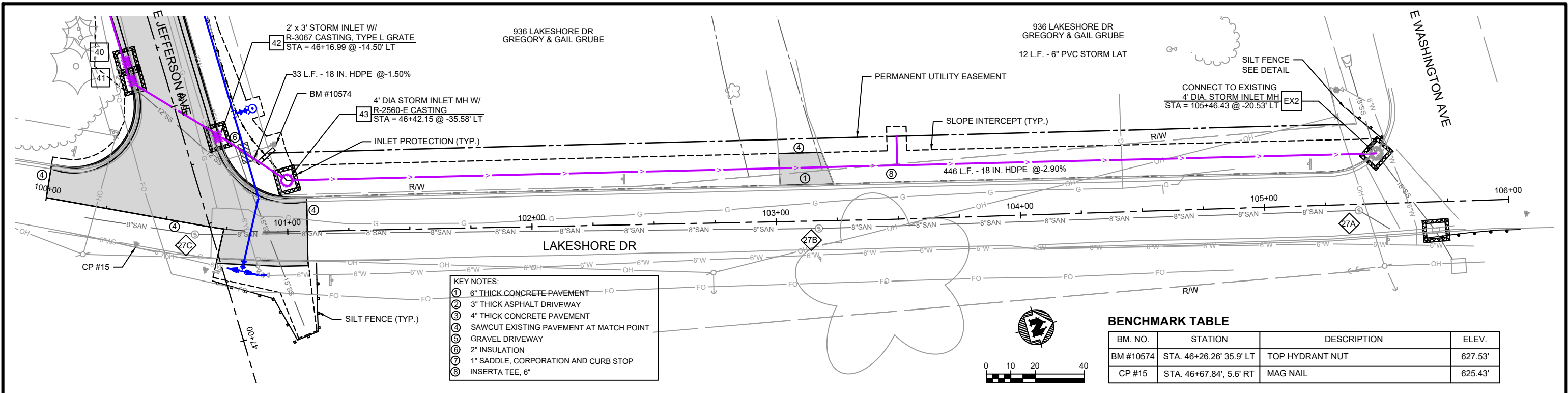
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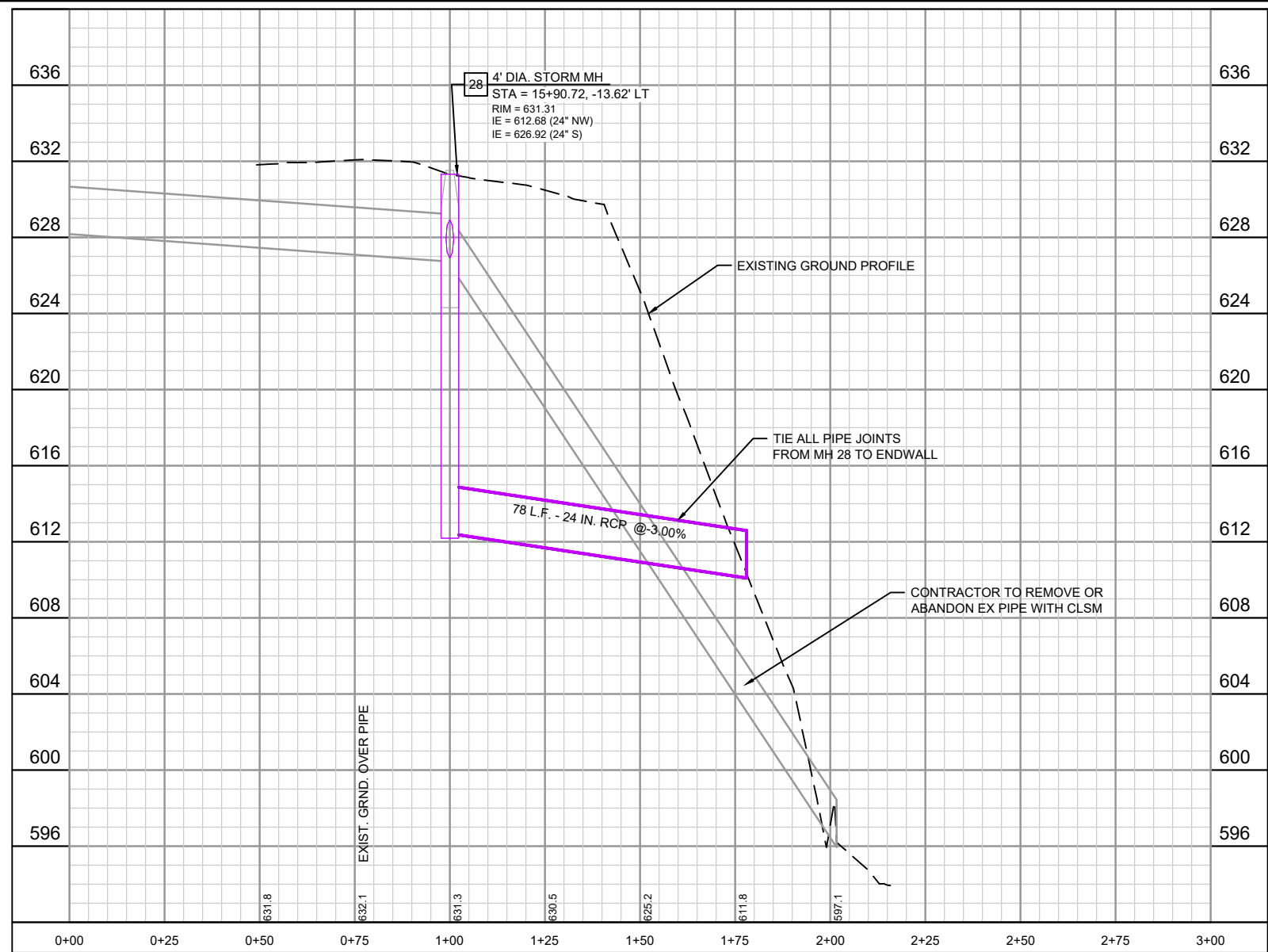
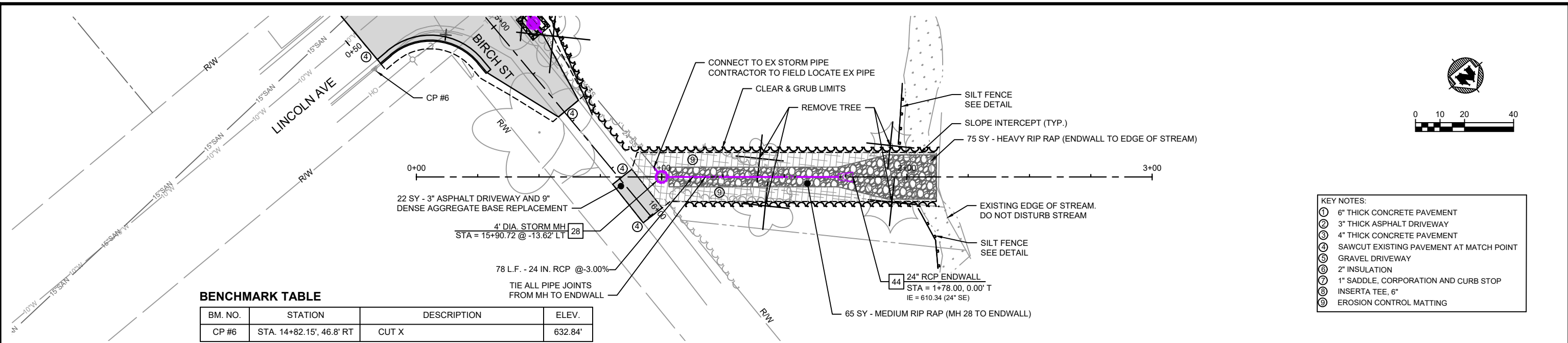


BENCHMARK TABLE

BM. NO.	STATION	DESCRIPTION	ELEV.
BM #257	STA. 14+28.64', 19.5' LT	SS TAG BOLT	636.28'
CP #6	STA. 14+82.15', 46.8' RT	CUT X	632.84'







PROJECT DATE:	DRAWN BY:	AL	NO.	DATE	REVISION	BY:
February 24, 2022	DESIGNED BY:	DWR	-	-	-	-
	CHECKED BY:	DWR	-	-	-	-
PLOT DATE: Wednesday, March 2, 2022 11:27:22 AM, G:\08\08002\08002029\CADD\Construction Documents\Birch Storm Outlet P&P.dwg						



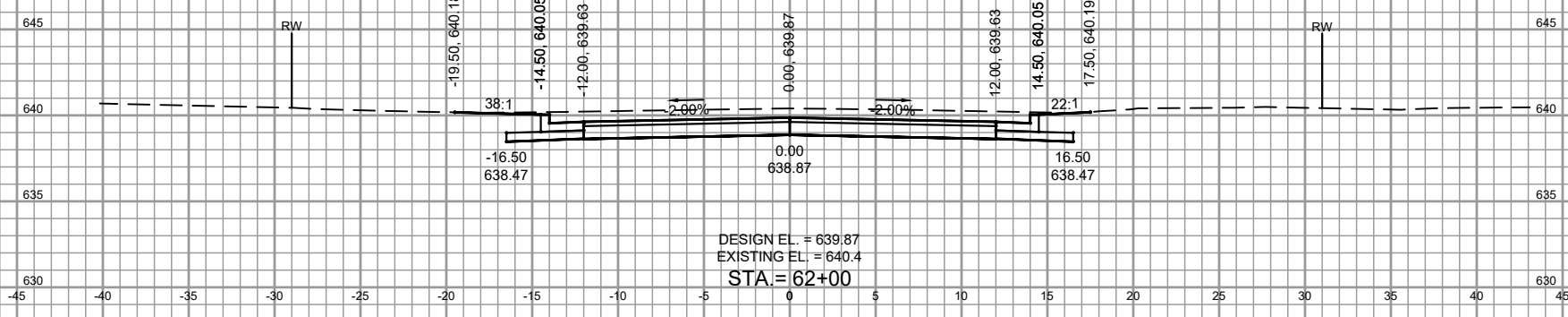
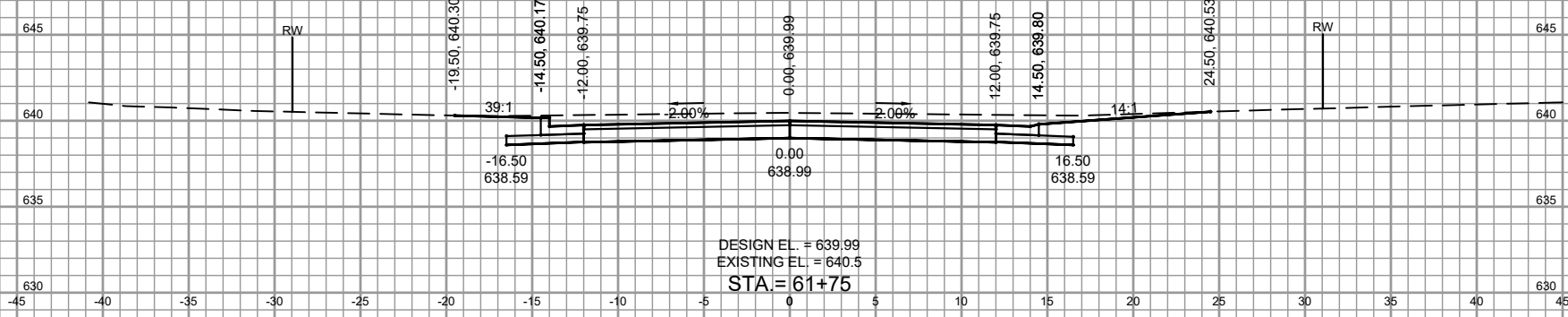
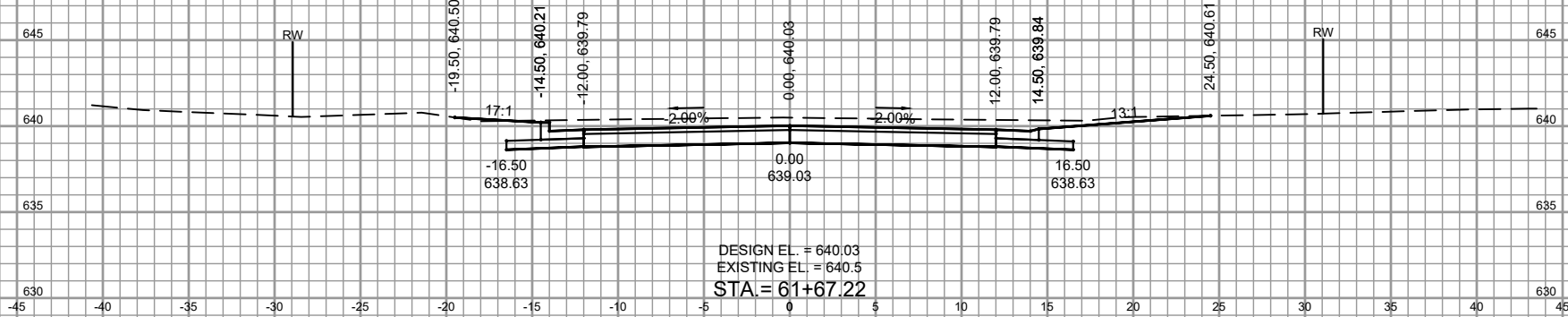
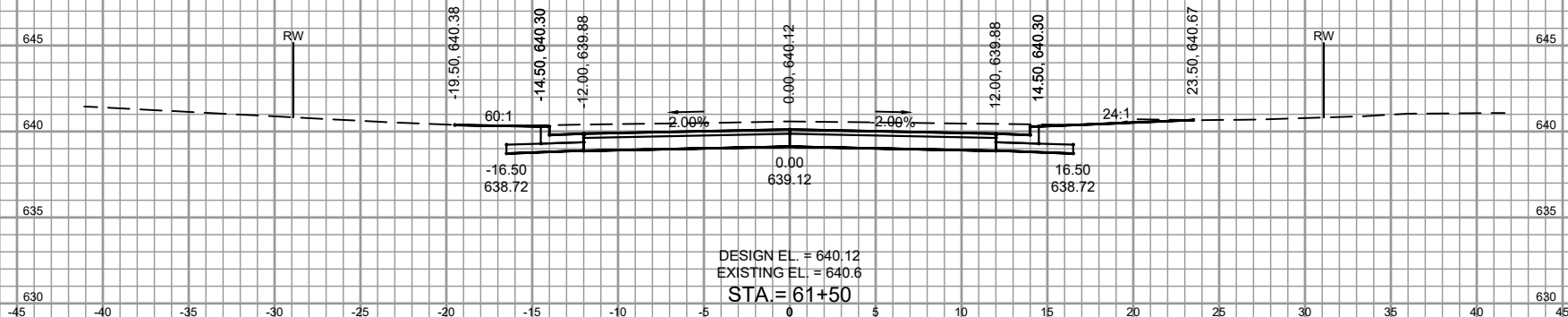
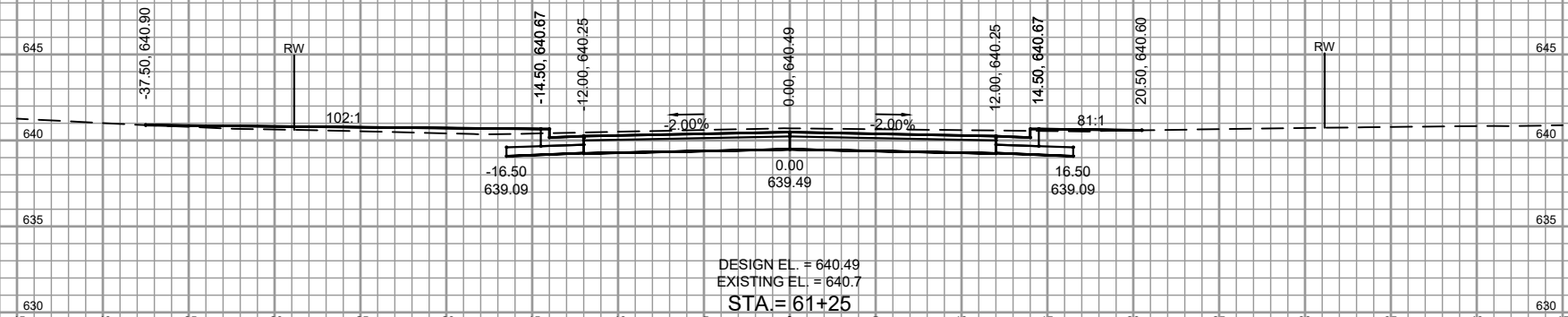
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BIRCH ST STORM OUTLET PLAN & PROFILE - ADD ALT #1

PROJECT NO:
08002029
SHEET
R 10

SEE SHEET ST8 FOR CITRUS LANE AND WILSON AVE INTERSECTION DETAILS



PROJECT DATE: February 24, 2022	DRAWN BY: EE	NO.	DATE
DESIGNED BY: DWM	DWM		
CHECKED BY: DWM	DWM		

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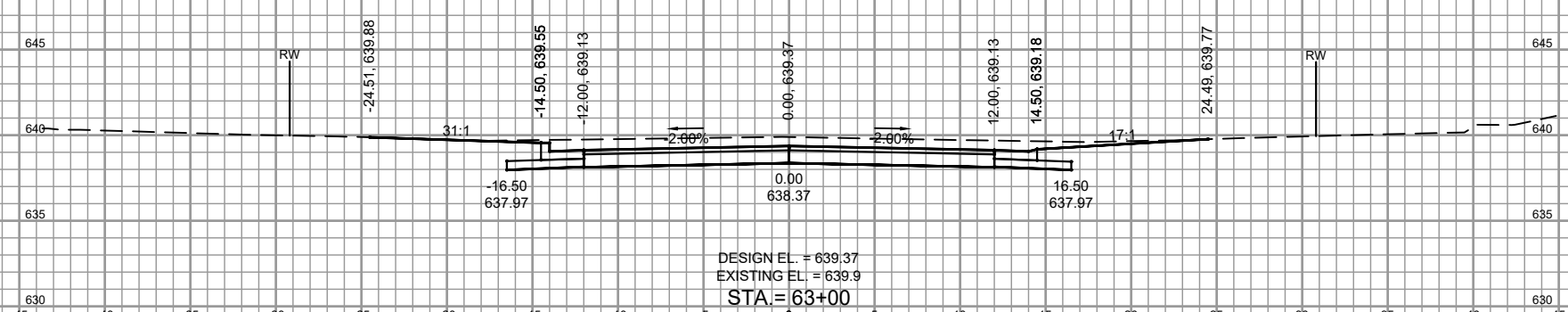
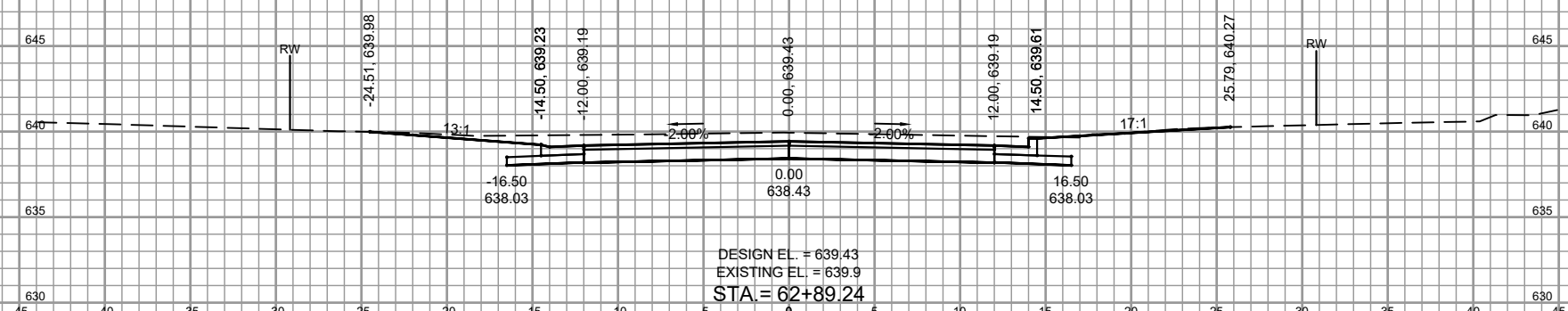
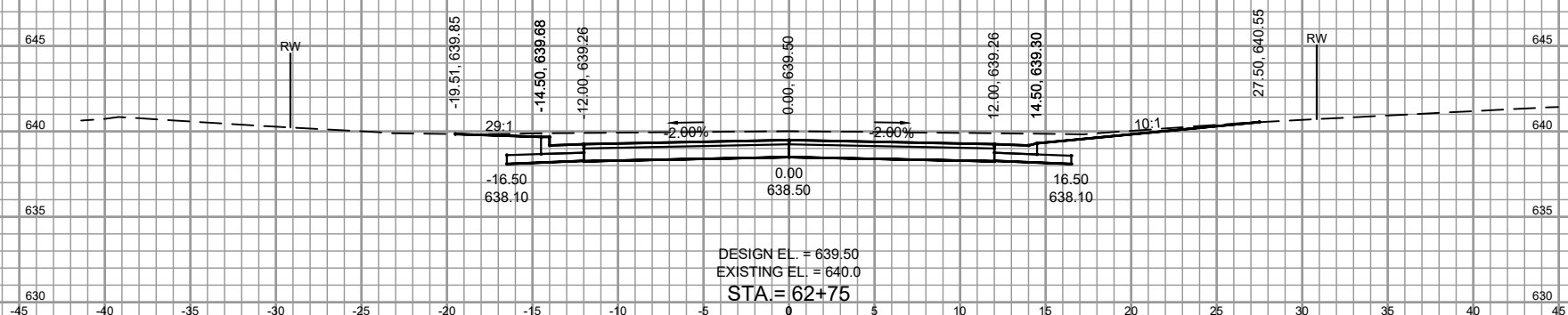
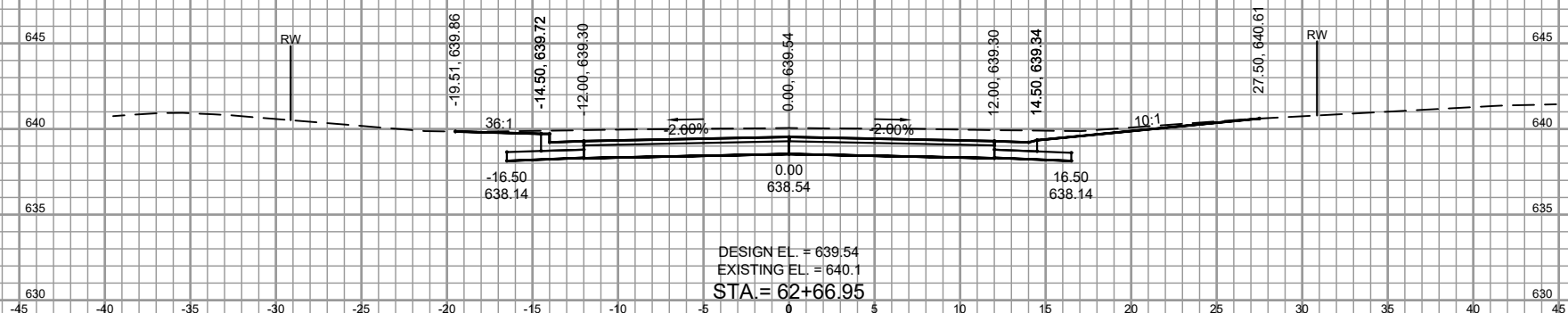
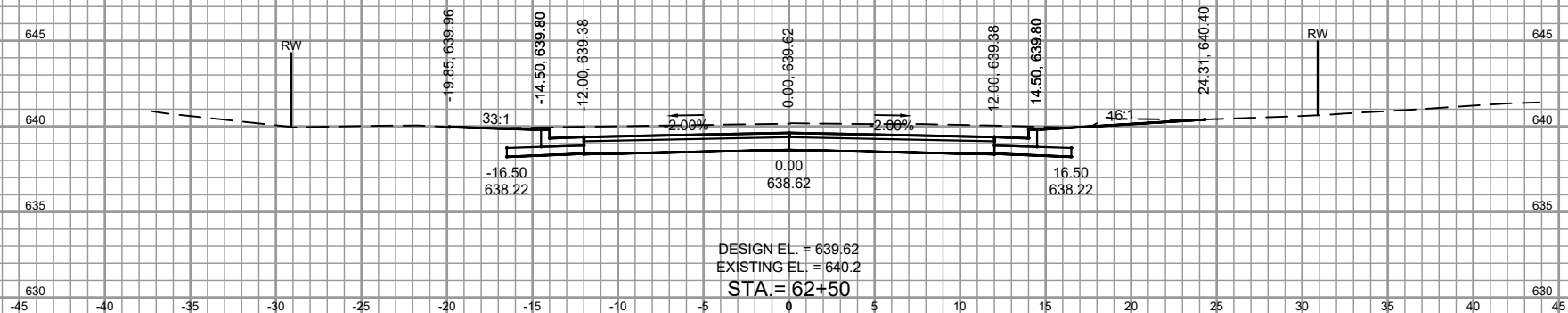
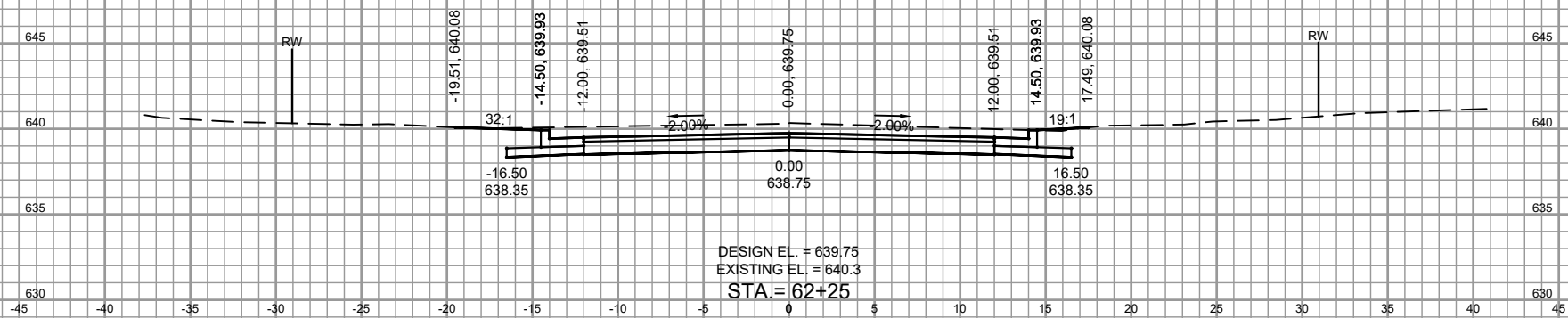
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MAINTENANCE COUNTY, WI

CITRUS LANE CROSS SECTIONS

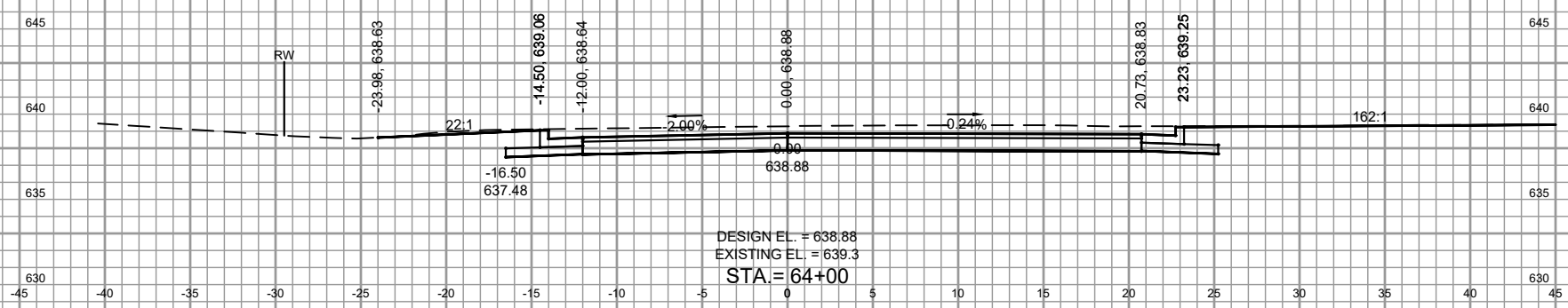
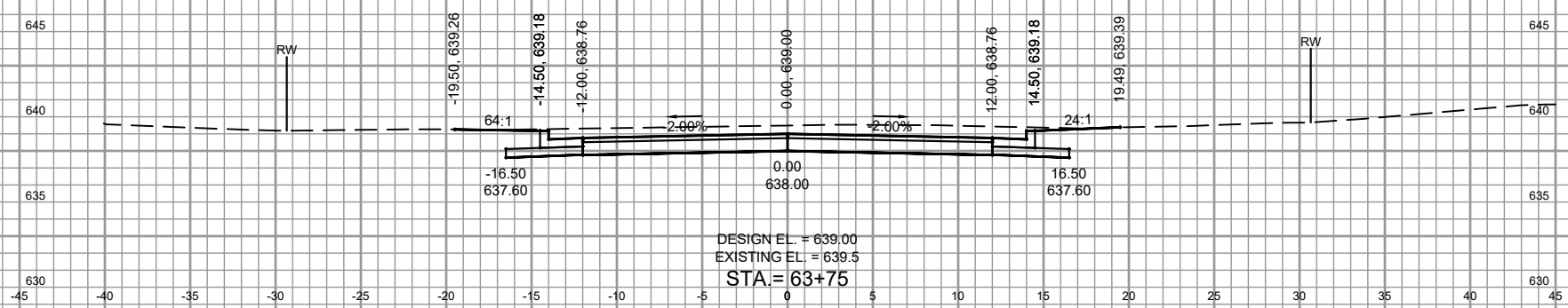
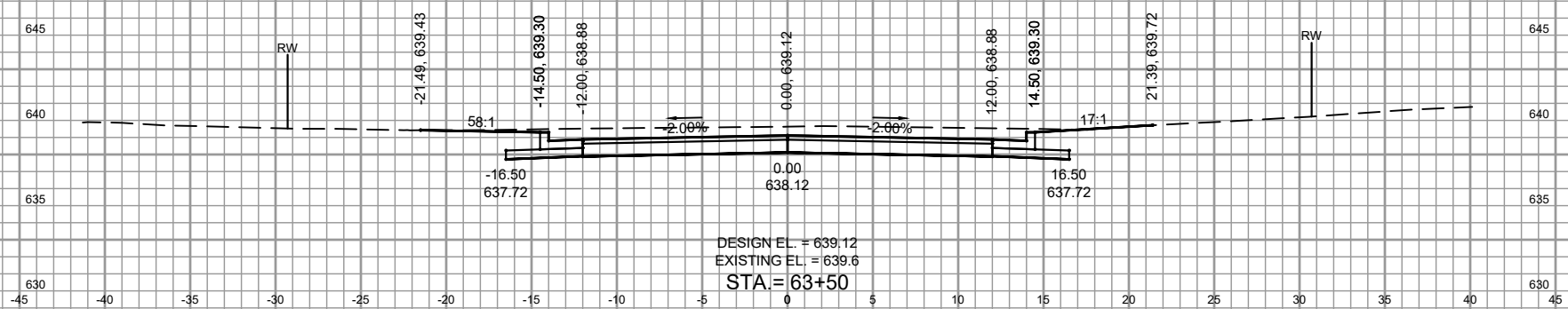
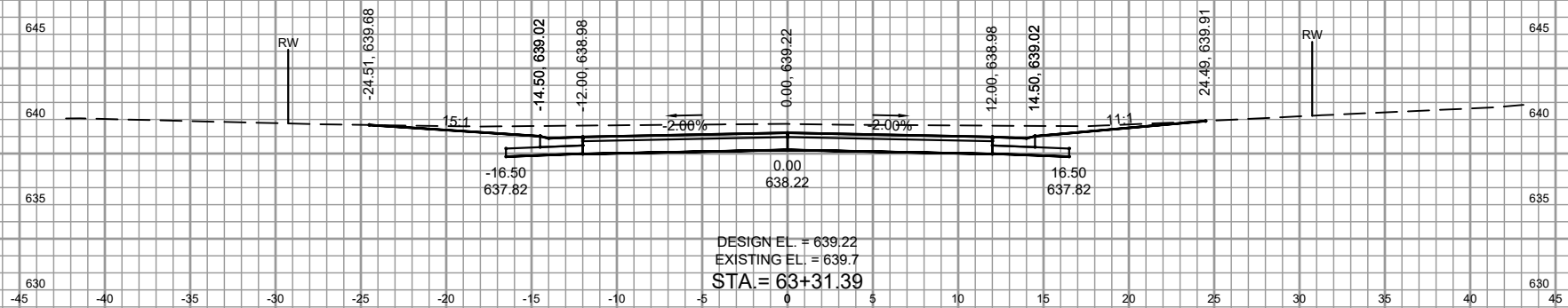
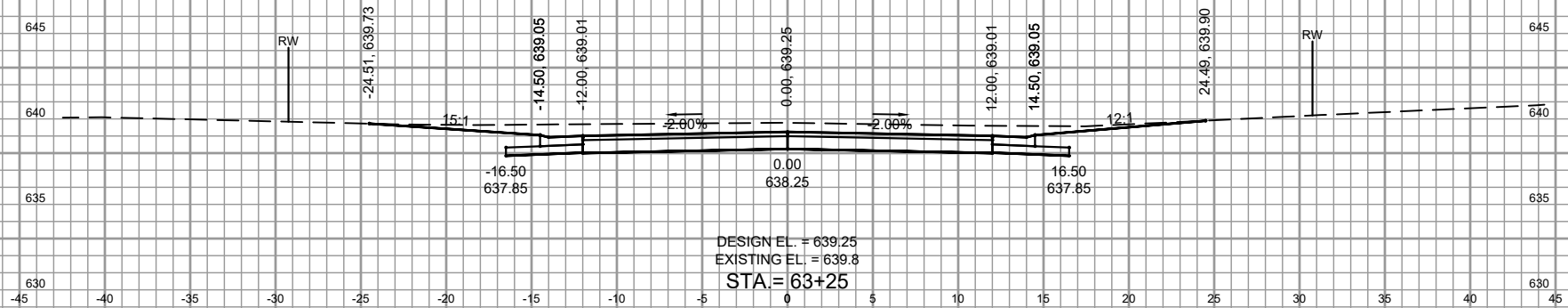
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CHECKED BY:	DWR	.	.

PROJECT DATE: February 24, 2022
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SEE SHEET ST8 FOR CITRUS LANE AND W JEFFERSON ST INTERSECTION DETAILS

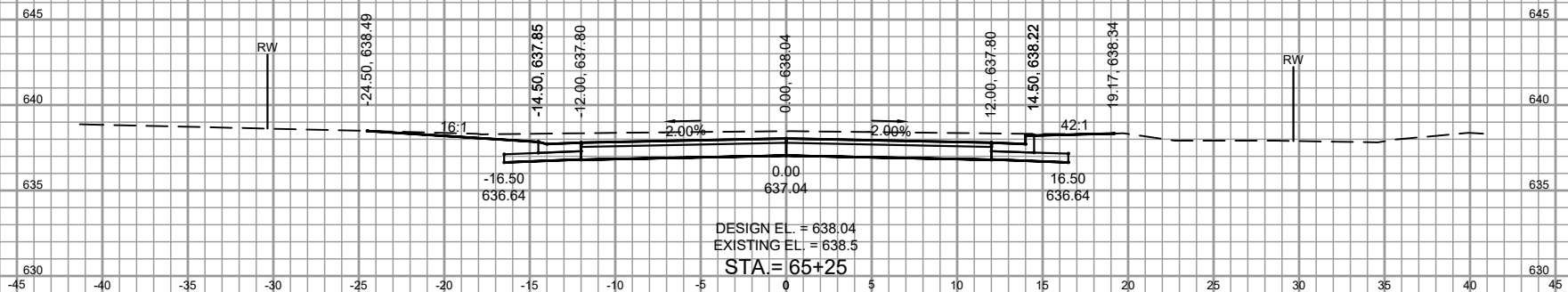
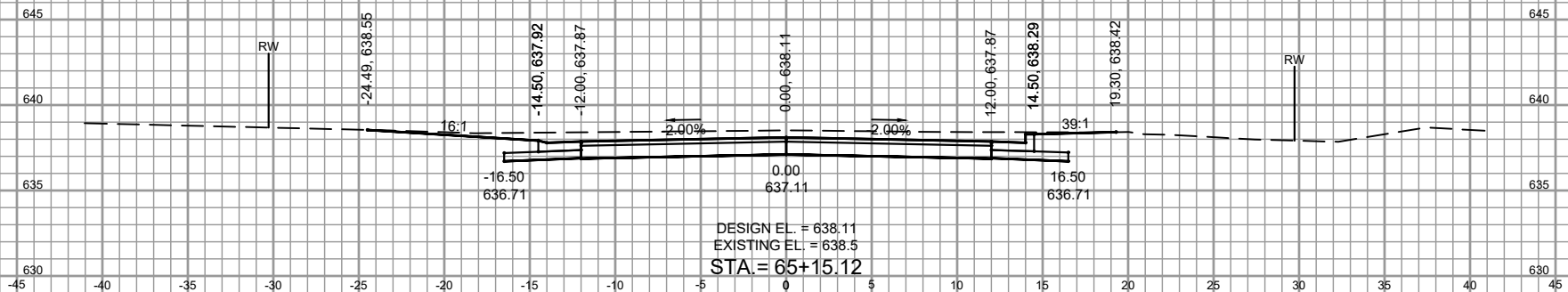
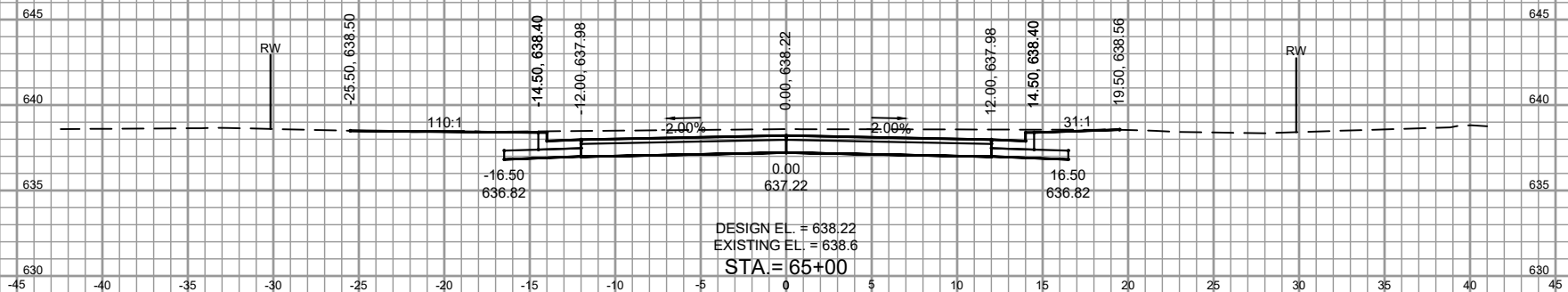
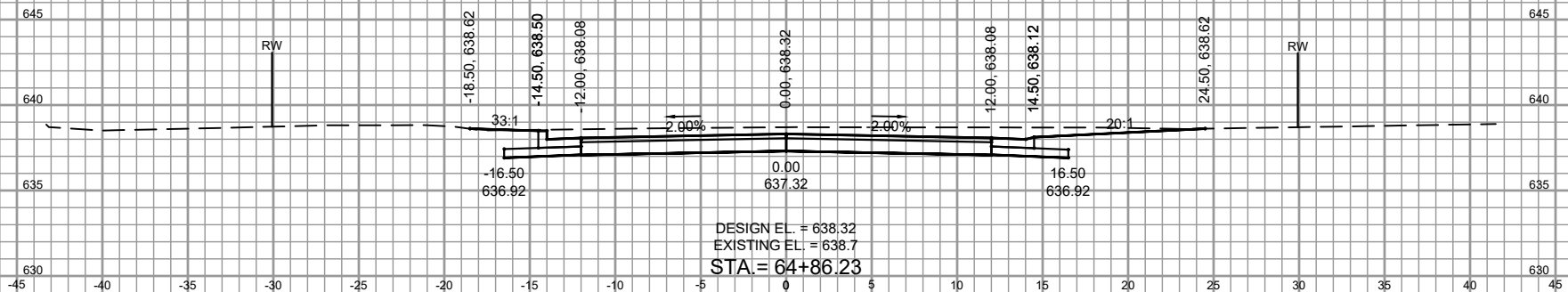
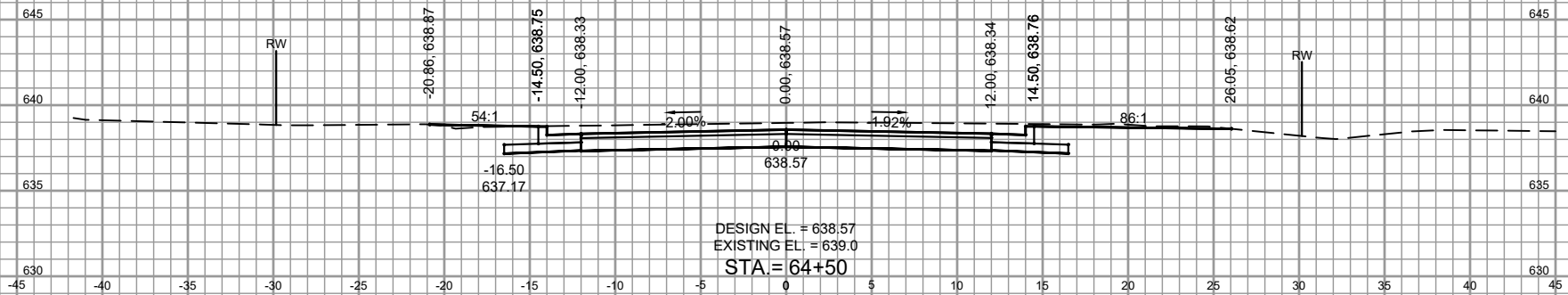
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CHECKED BY: DWM	DWM		
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CITRUS LANE CROSS SECTIONS



PROJECT DATE: February 24, 2022	DRAWN BY: EE	NO.	DATE
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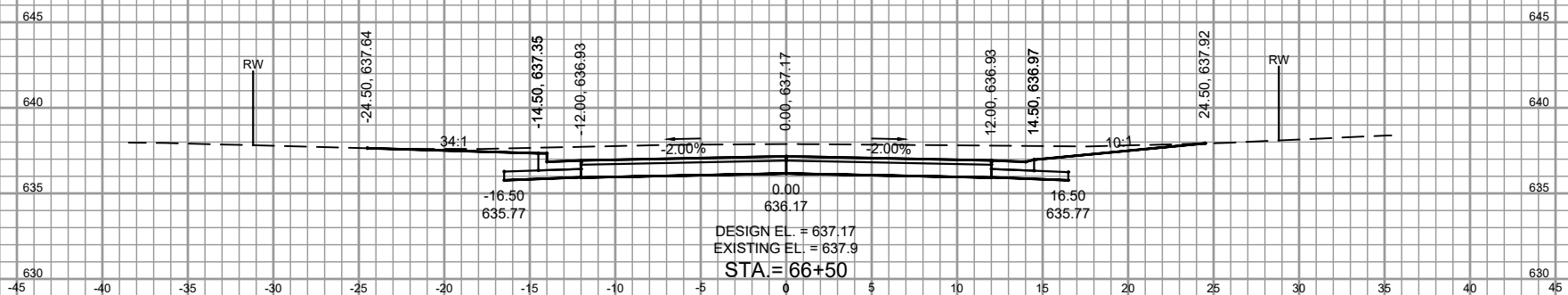
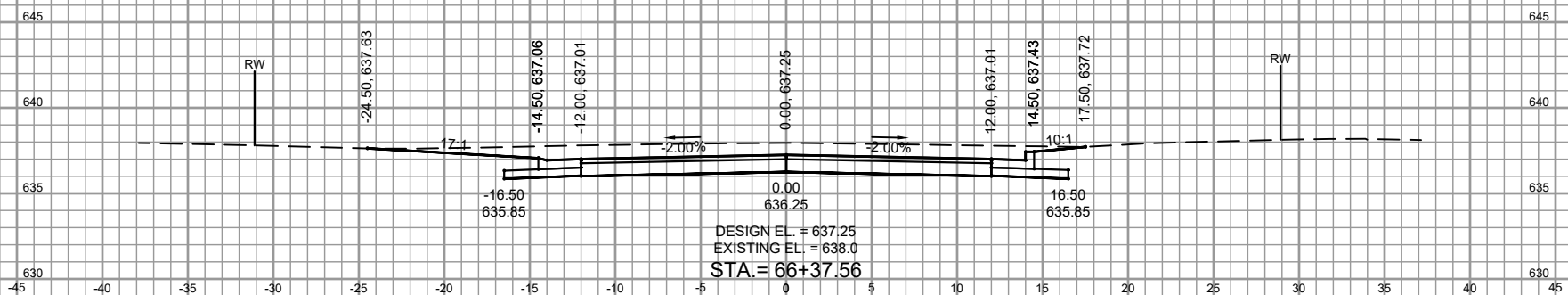
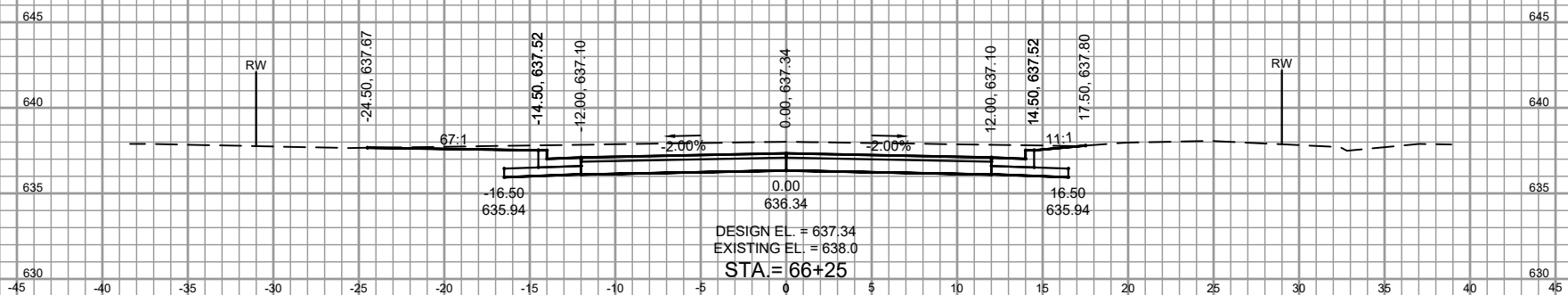
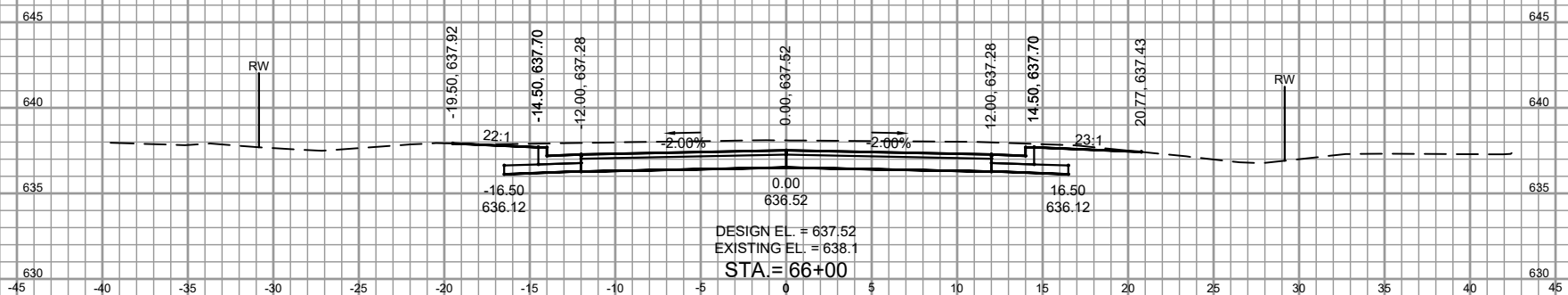
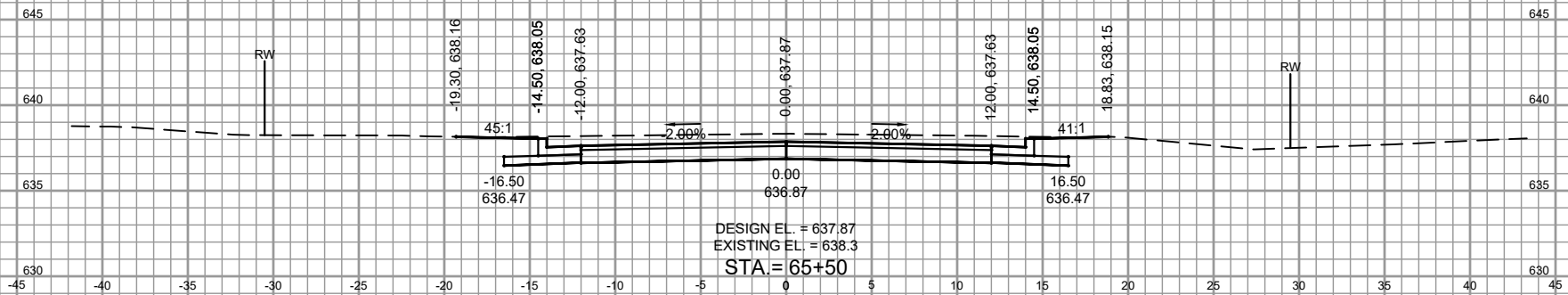
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MAINTOWOC COUNTY, WI

CITRUS LANE CROSS SECTIONS

PROJECT NO.
8002031
SHEET
CS 5



PROJECT DATE: February 24, 2022	DRAWN BY: EE	NO.	DATE
DESIGNED BY: DWN	DWN		
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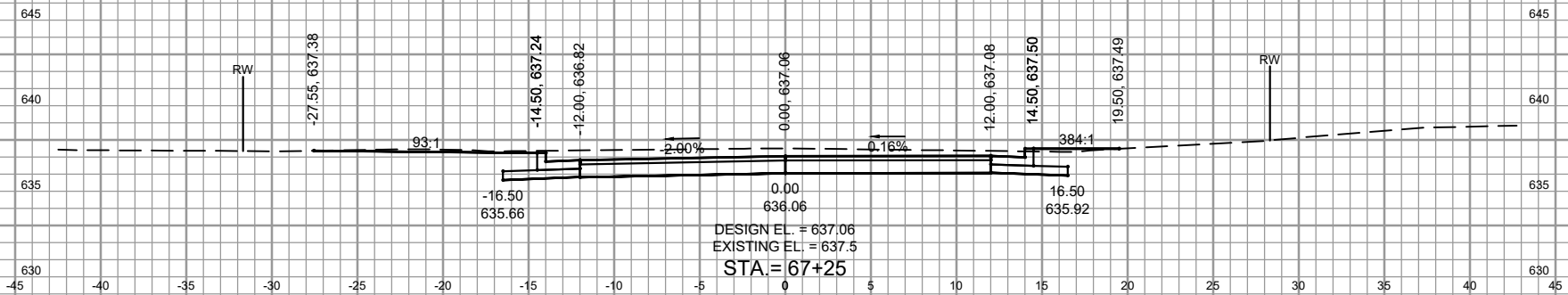
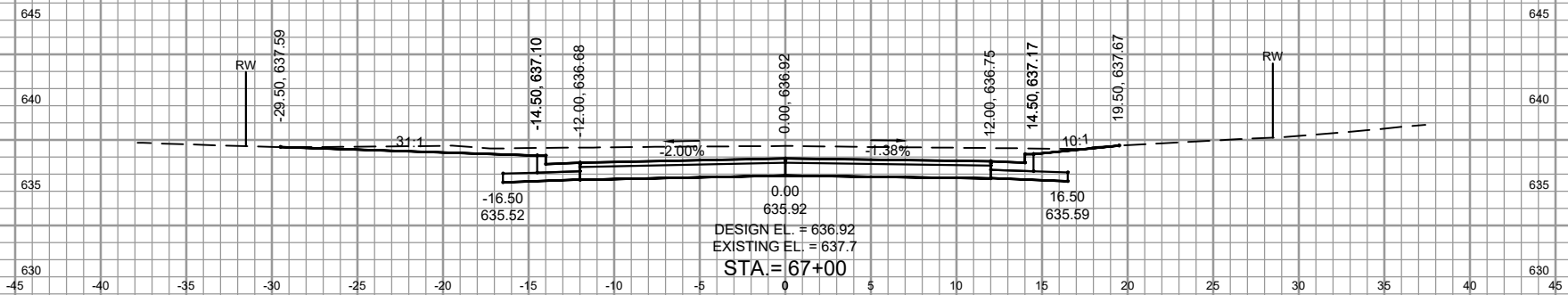
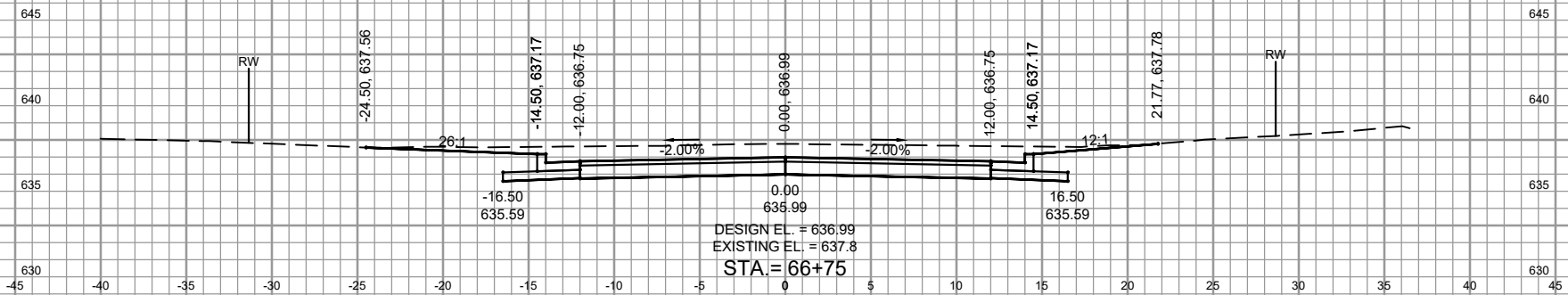


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CITRUS LANE CROSS SECTIONS

PROJECT NO:
8002031
SHEET
CS 6



SEE SHEET ST9 FOR CITRUS LANE AND E WASHINGTON AVE INTERSECTION DETAILS

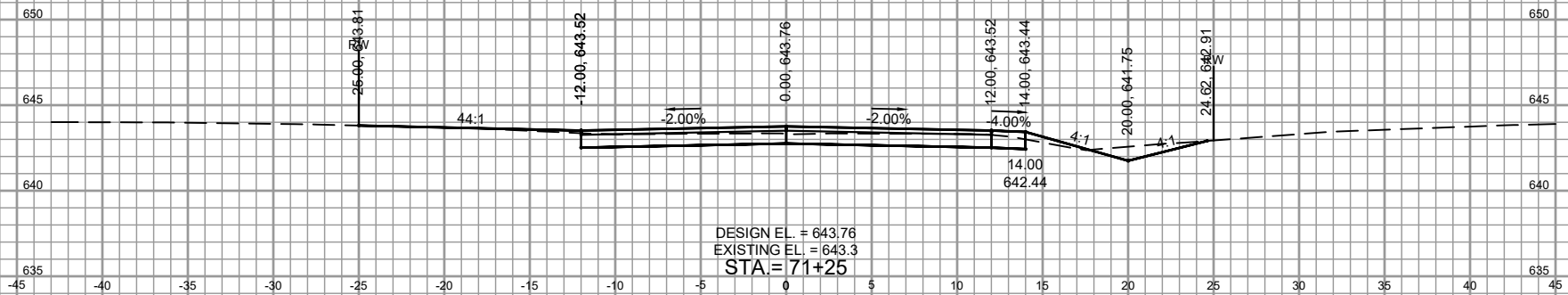
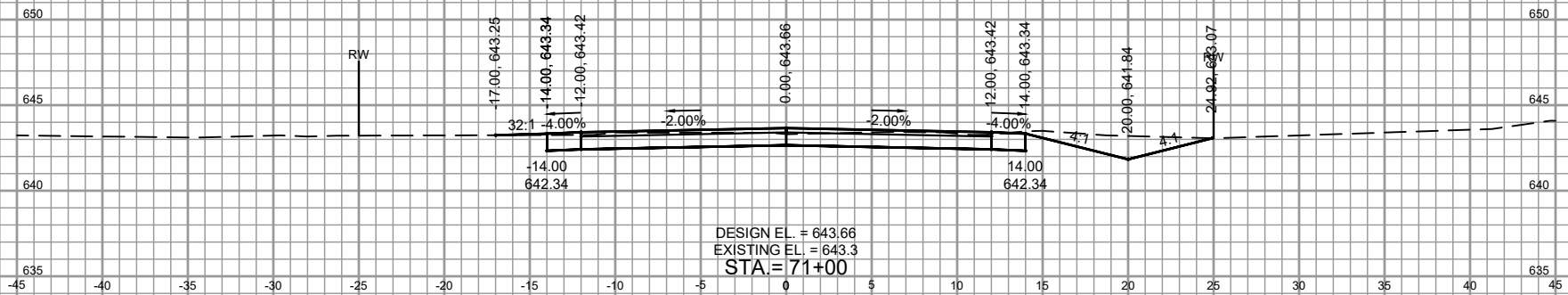
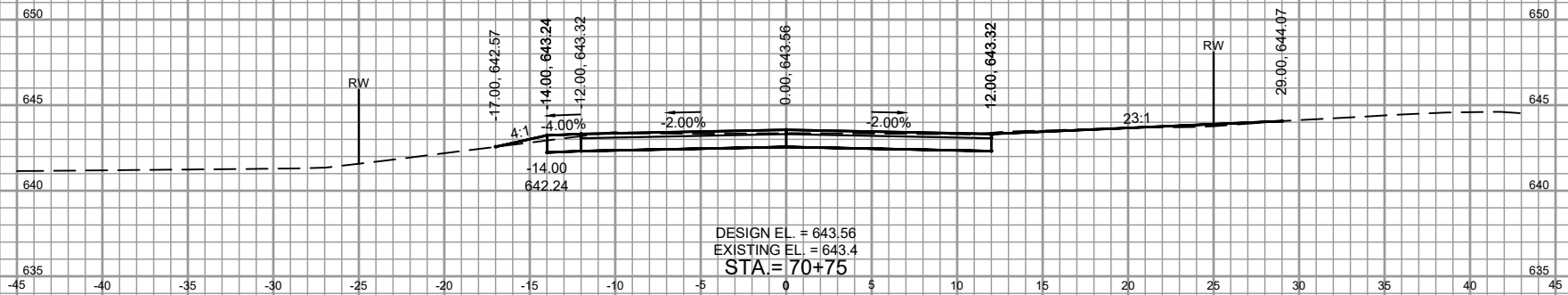
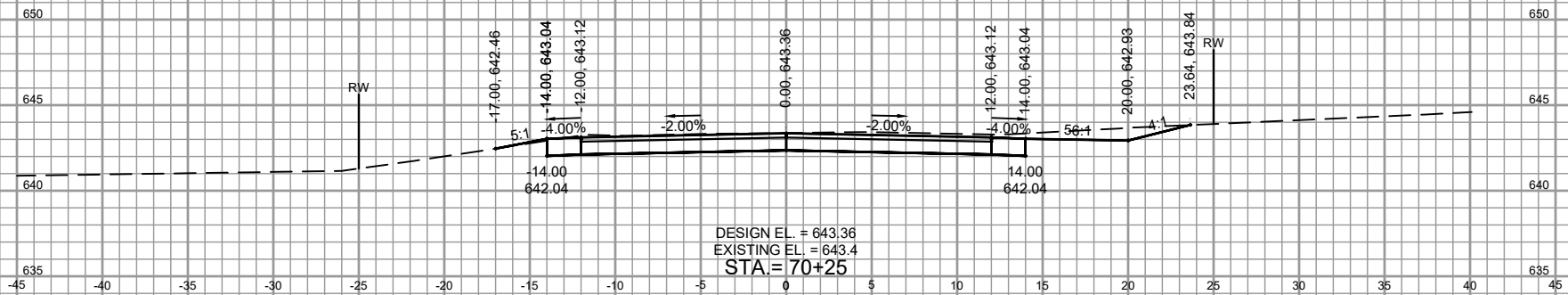
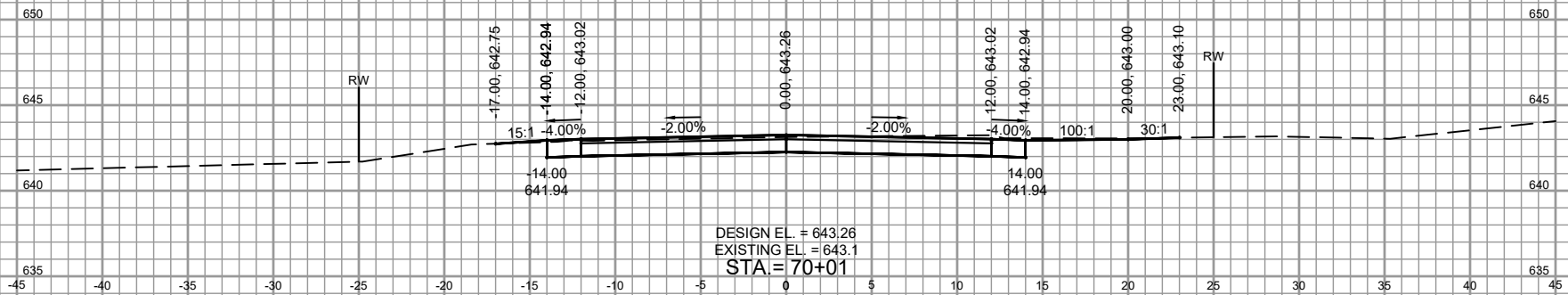
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CHERRY HILL DRIVE CROSS SECTIONS



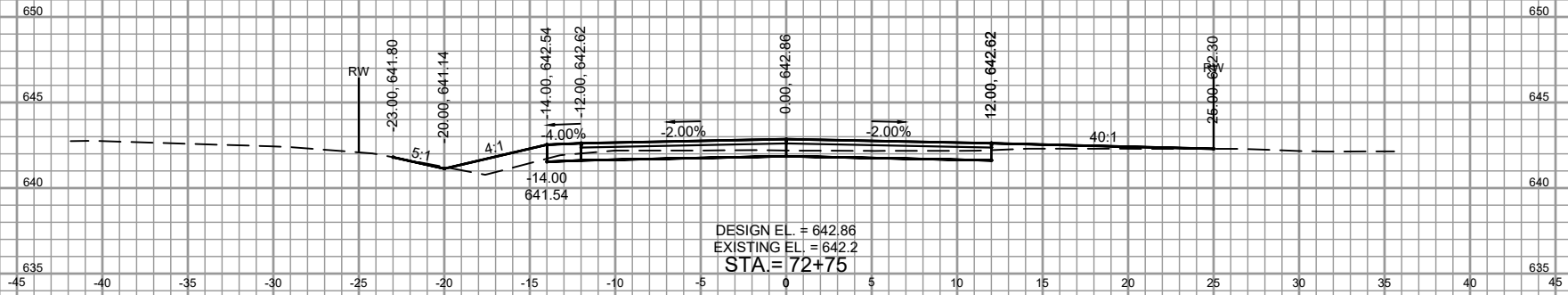
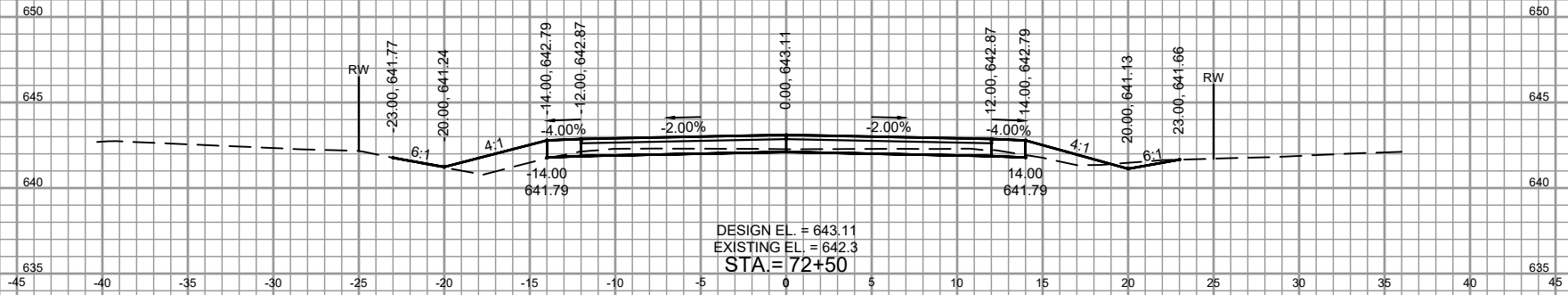
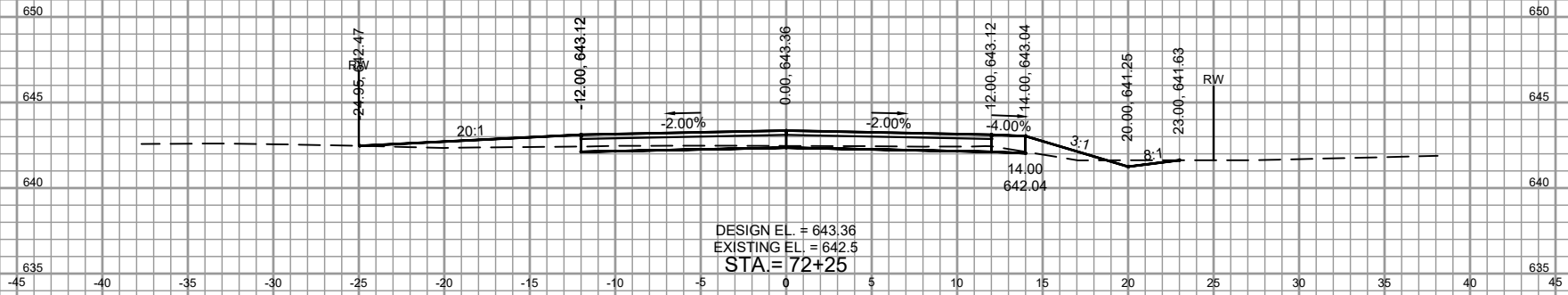
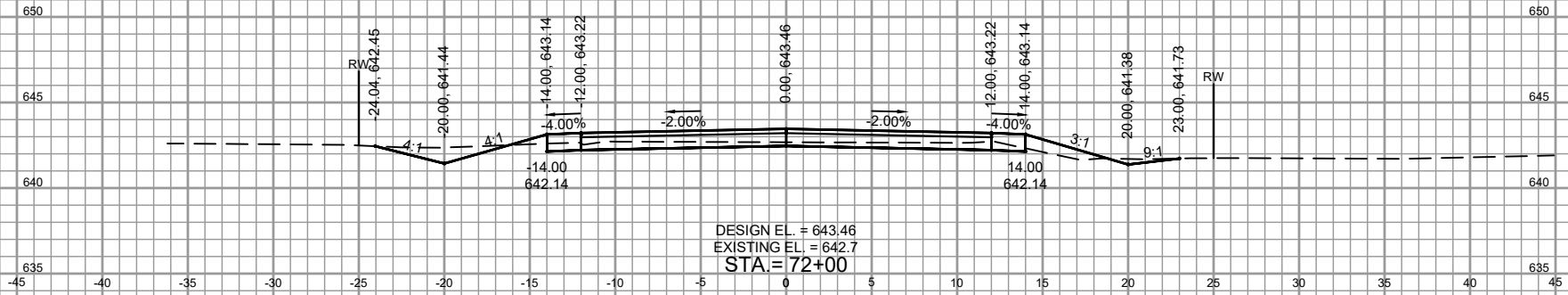
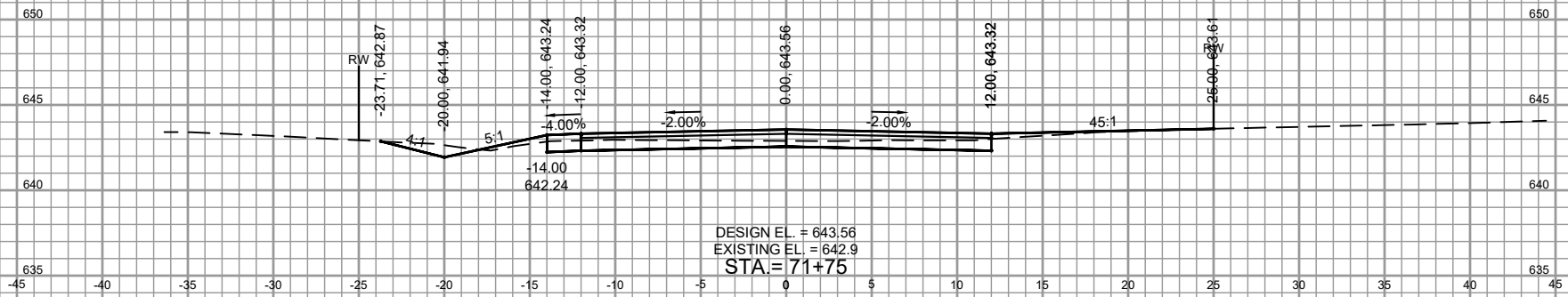
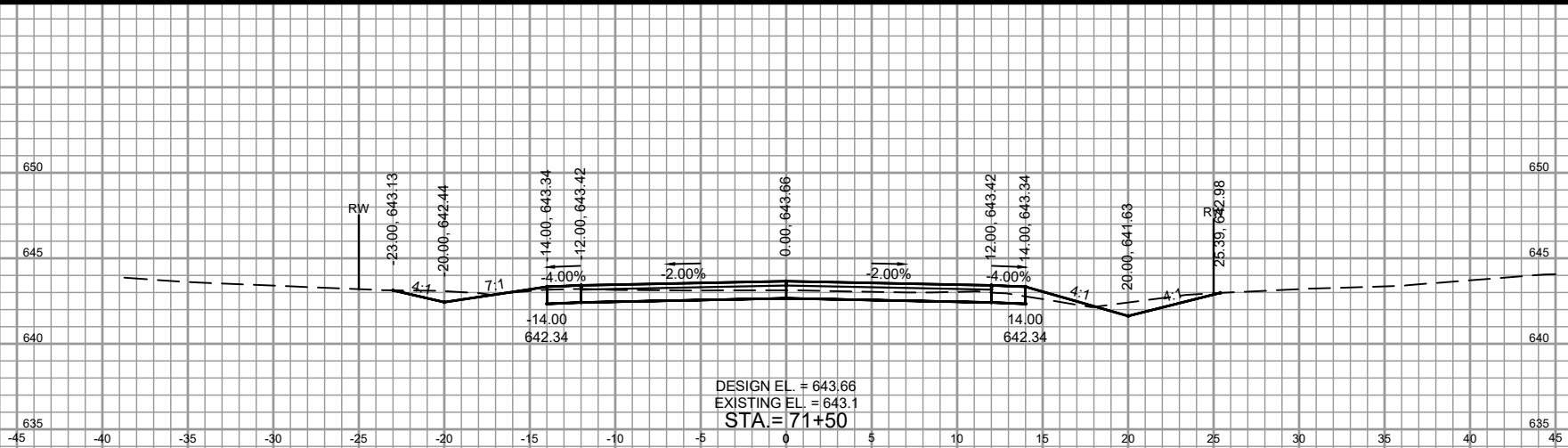
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VILLAGE OF CLEVELAND
MANTOWOC COUNTY, WISCONSIN

CHERRY HILL DRIVE CROSS SECTIONS



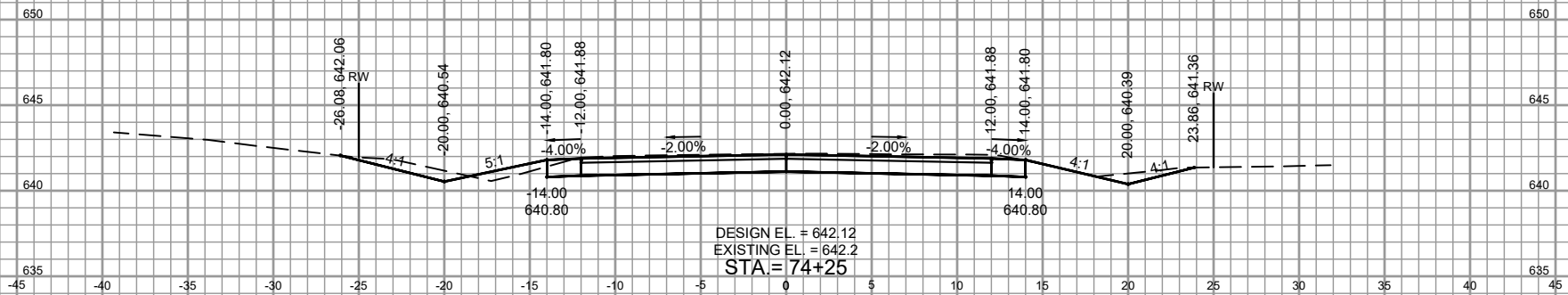
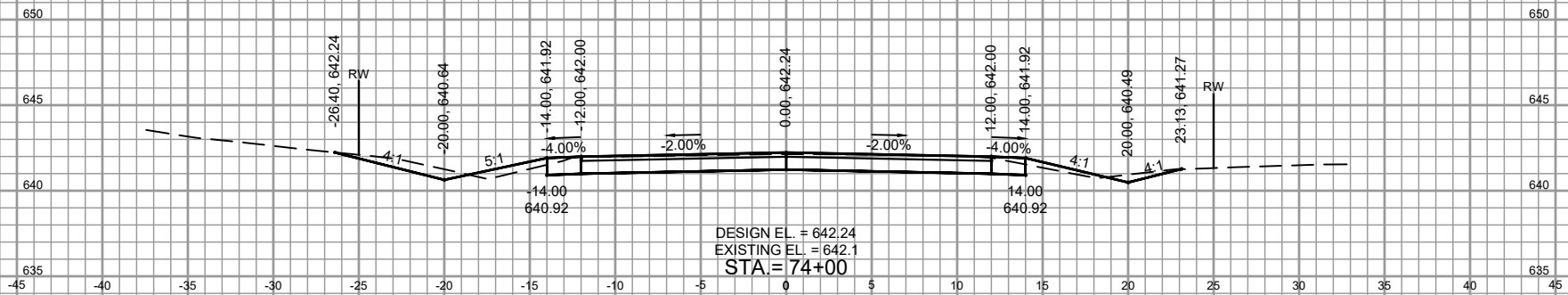
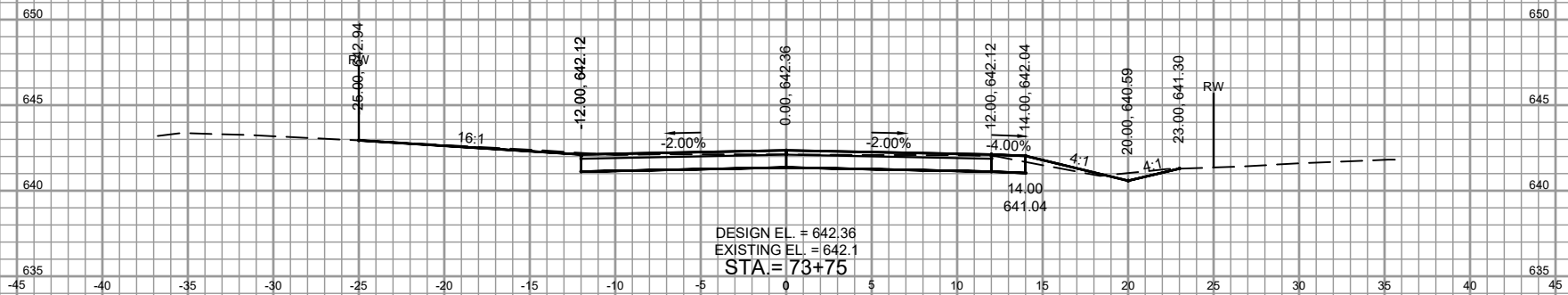
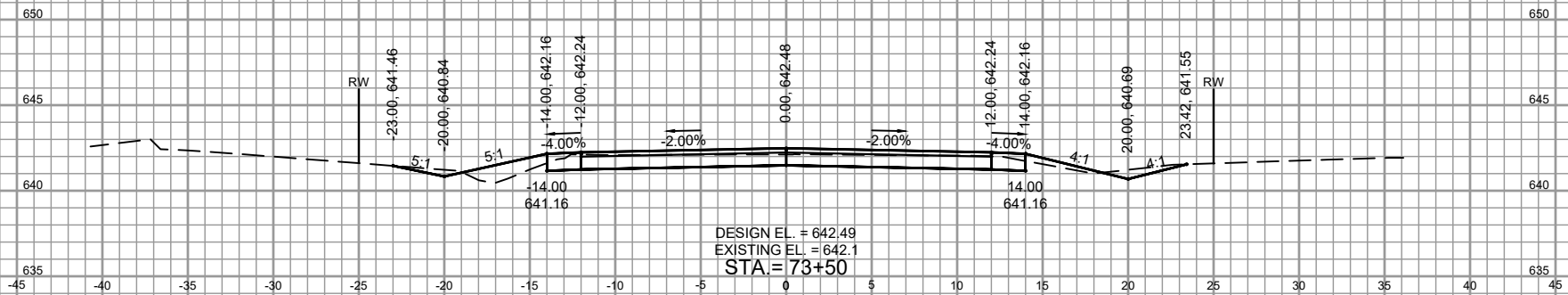
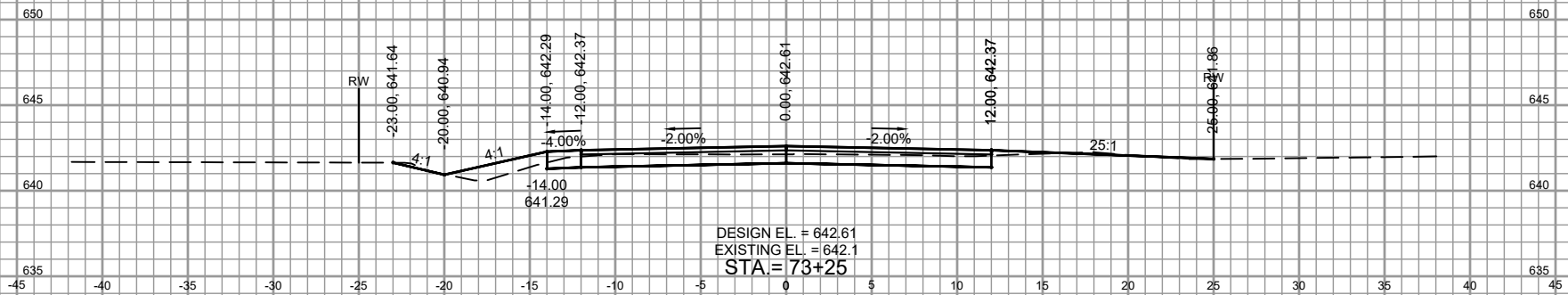
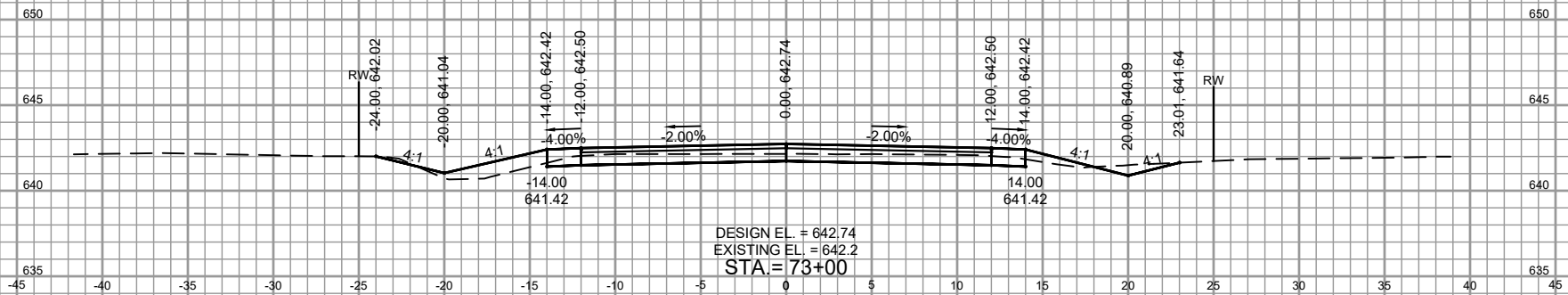
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CHERRY HILL DRIVE CROSS SECTIONS



PROJECT DATE: February 24, 2022	DRAWN BY: EE	NO.	DATE
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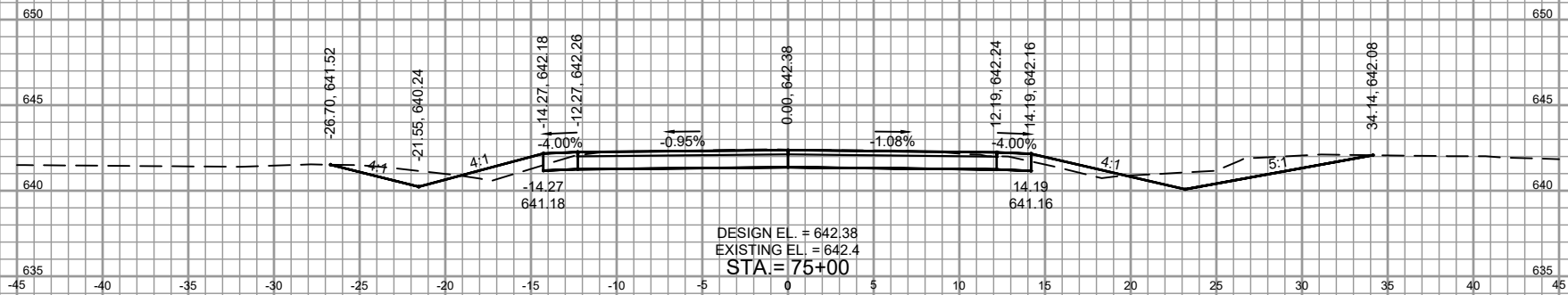
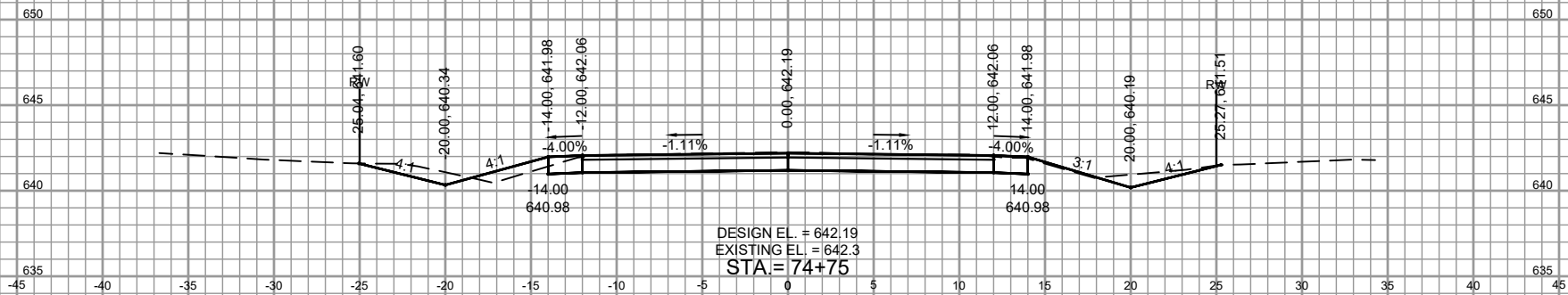
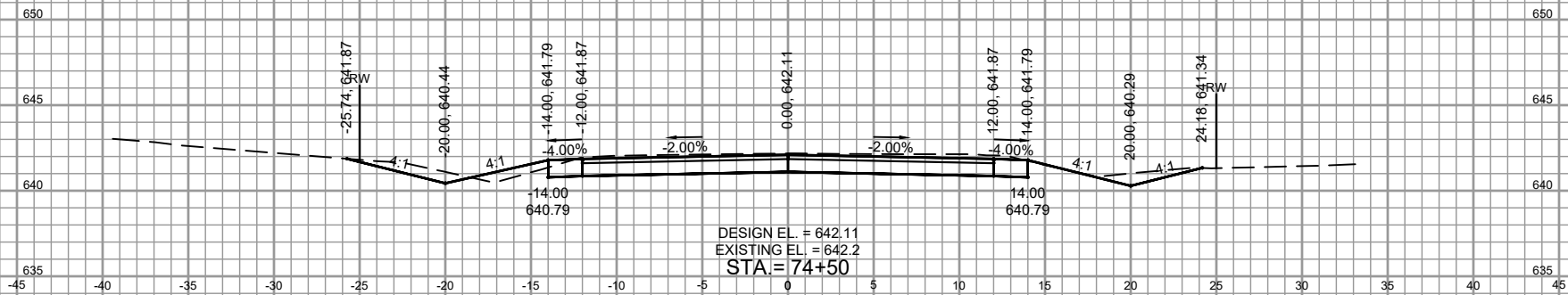


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CHERRY HILL DRIVE CROSS SECTIONS

PROJECT NO. 08002031
SHEET CS 10



SEE SHEET ST9 FOR CHERRY HILL DR AND E WASHINGTON AVE INTERSECTION DETAILS

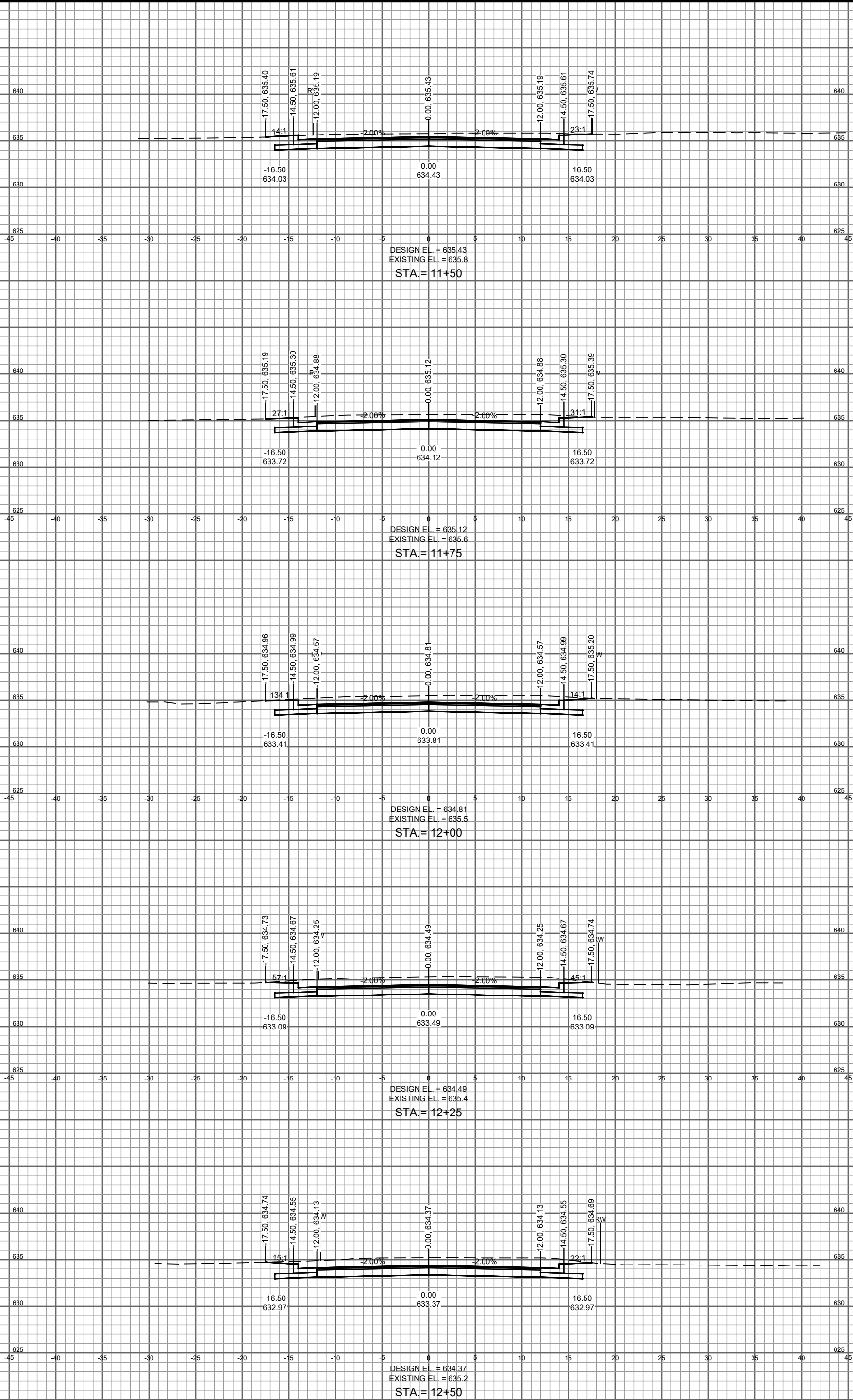
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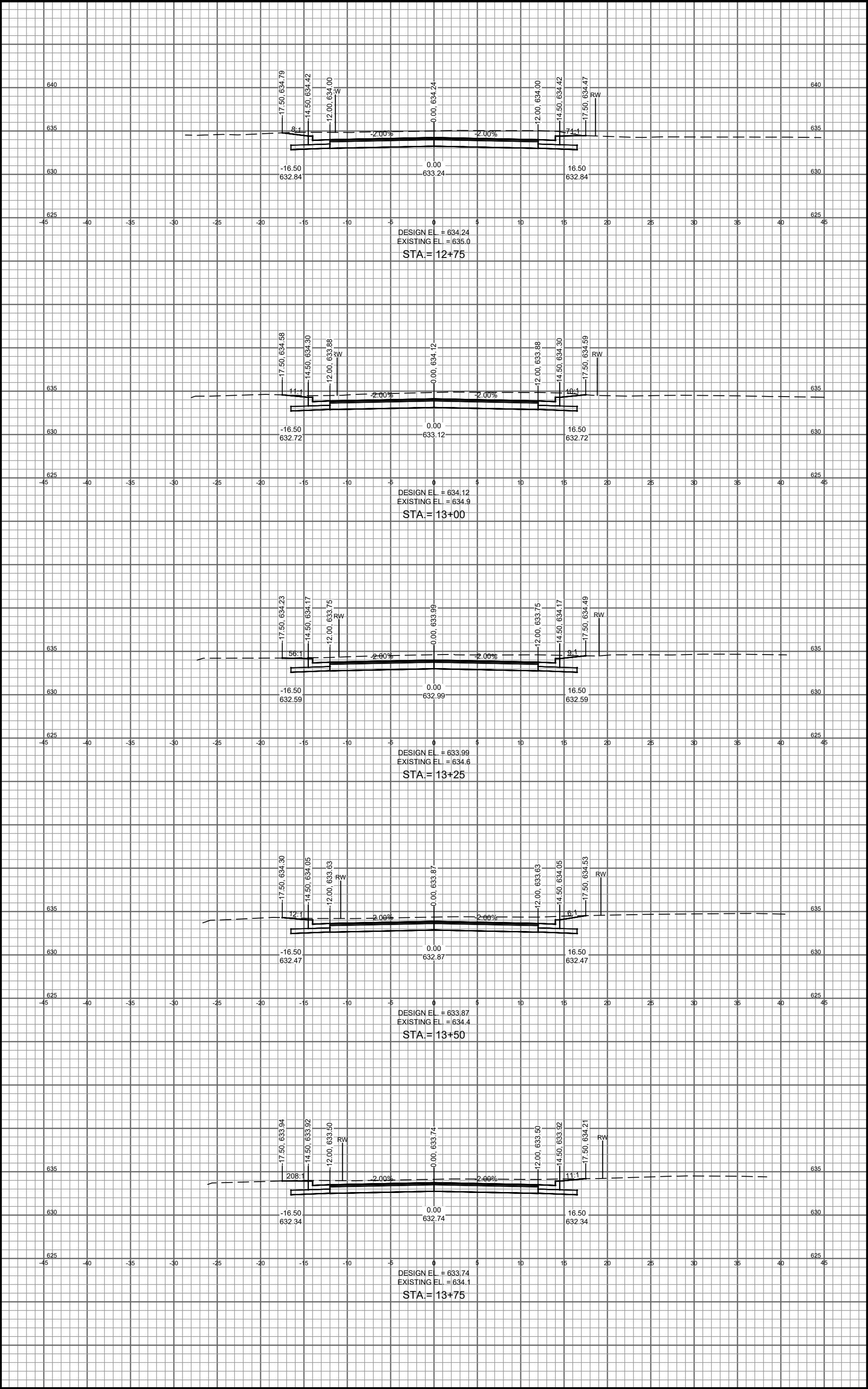
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BIRCH STREET CROSS SECTIONS

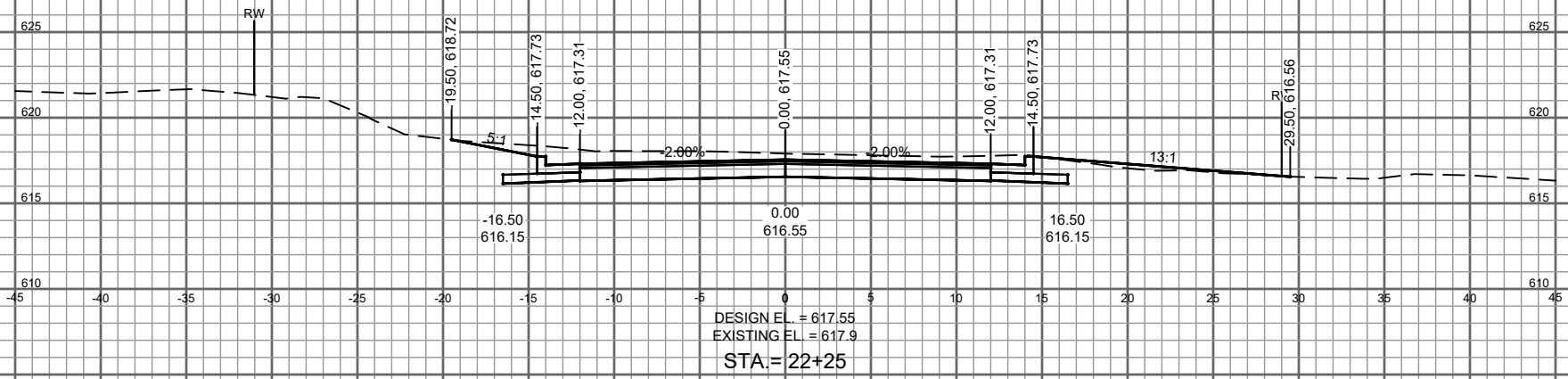
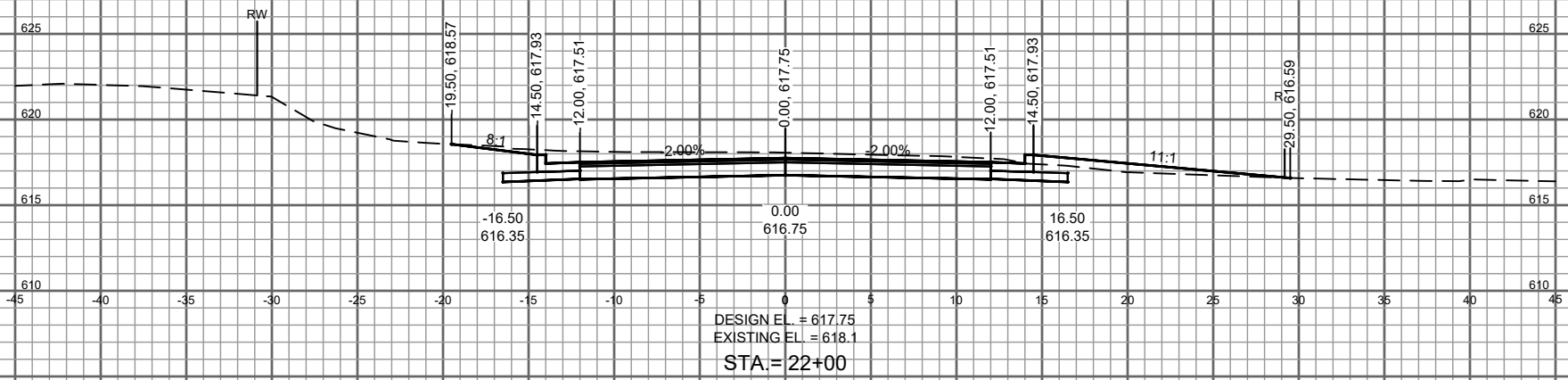
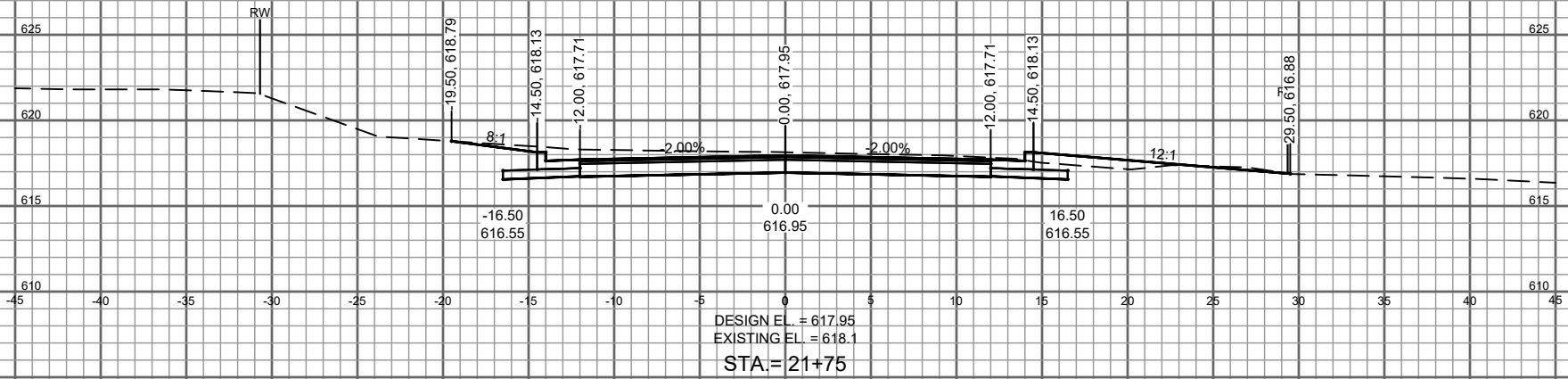
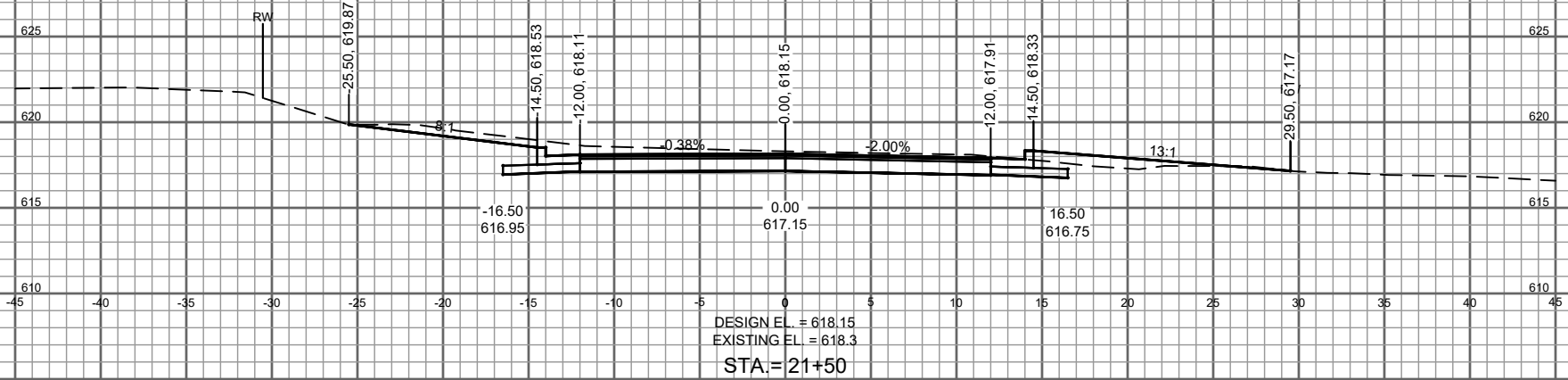


FILE NO.	8002029
SHEET	CS 13



BIRCH STREET CROSS SECTIONS	FILE NO.	8002029
	SHEET	CS 14

SEE SHEET ST11 FOR BEECH ST AND LINCOLN ST INTERSECTION DETAILS



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BEECH STREET CROSS SECTIONS

FILE NO.
8002029
SHEET
CS 15

PROJECT NO.	08020231	SCALE	AS SHOWN	NO.	DATE
PROJECT DATE:	February 24, 2022	DRAWN BY:	EE		
F.B.:		DESIGNED BY:	DWM		
CHECKED BY:	DWM				
PLOT DATE:	Wednesday, March 2, 2022 10:26:38 AM	G:\080802\08020231\CADD\CSD\08020231 Section.dwg			

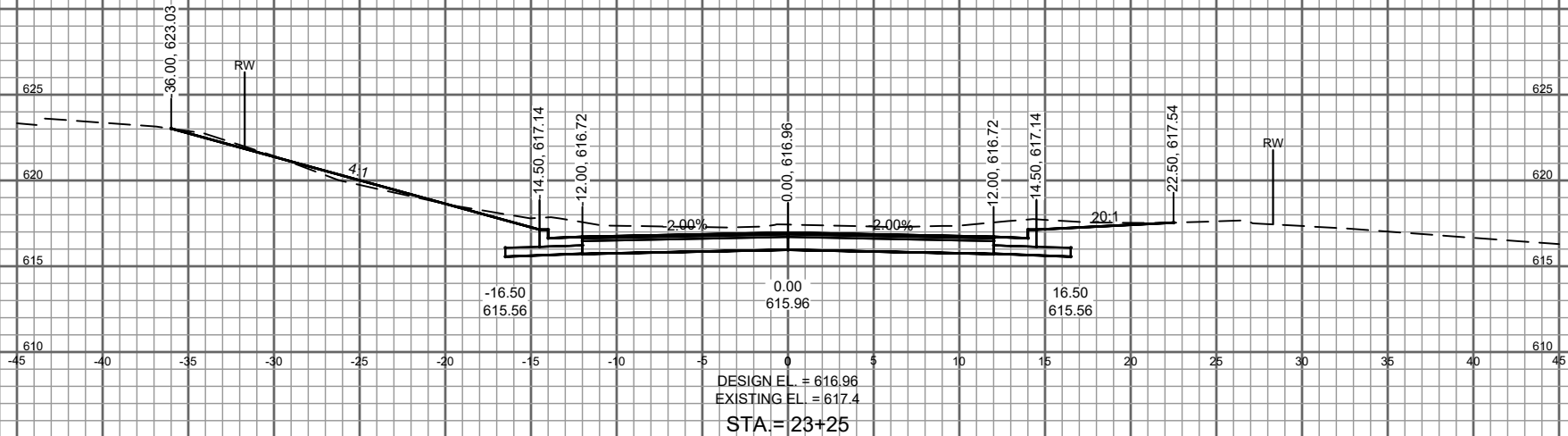
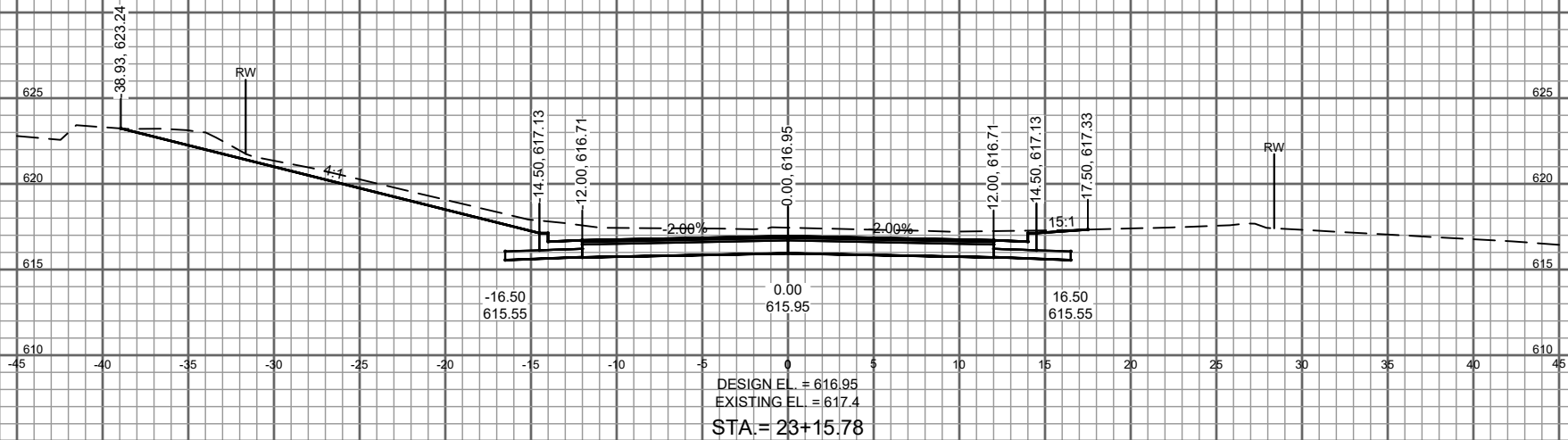
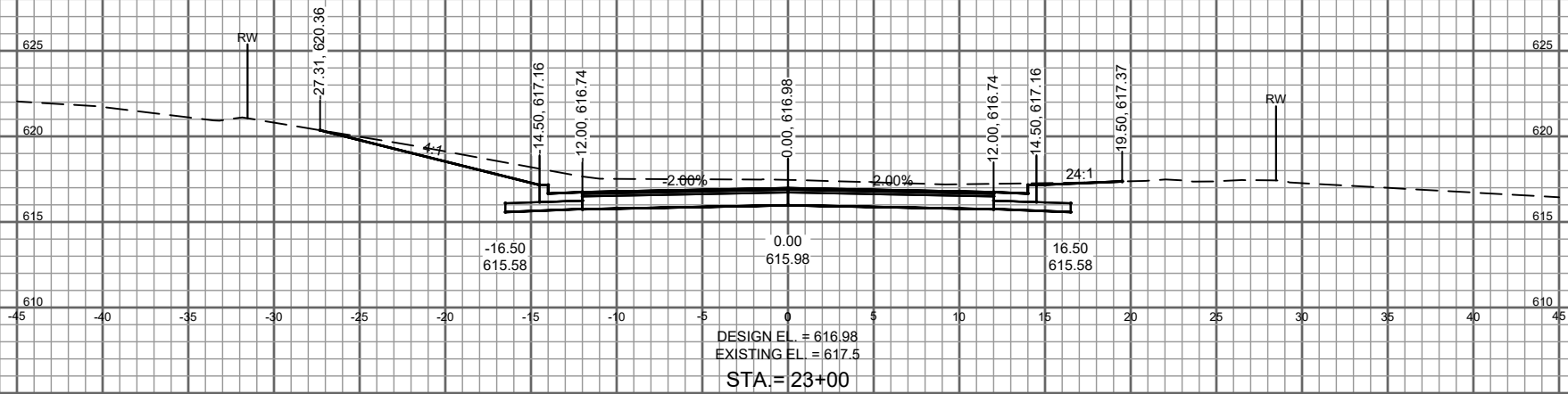
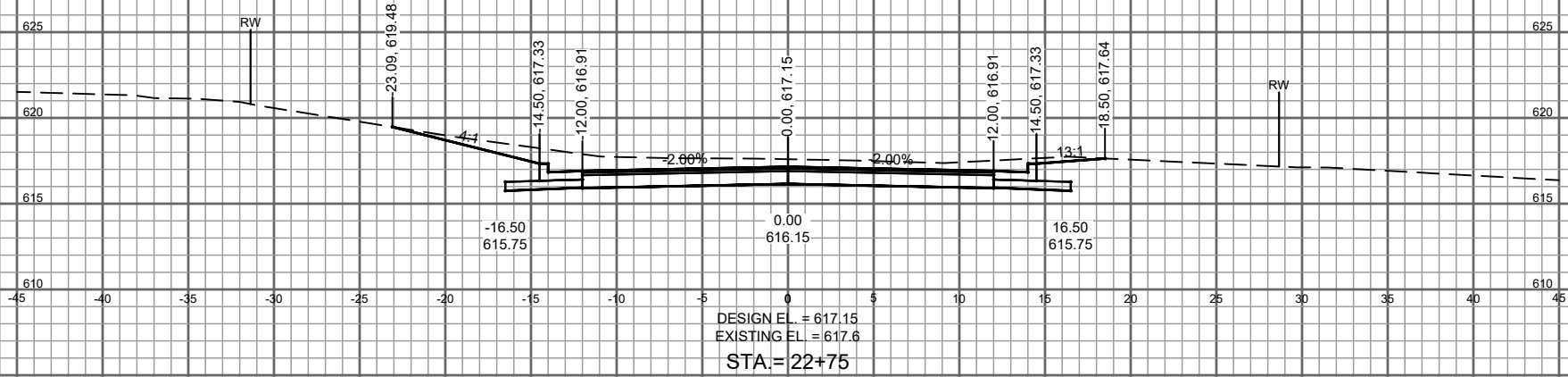
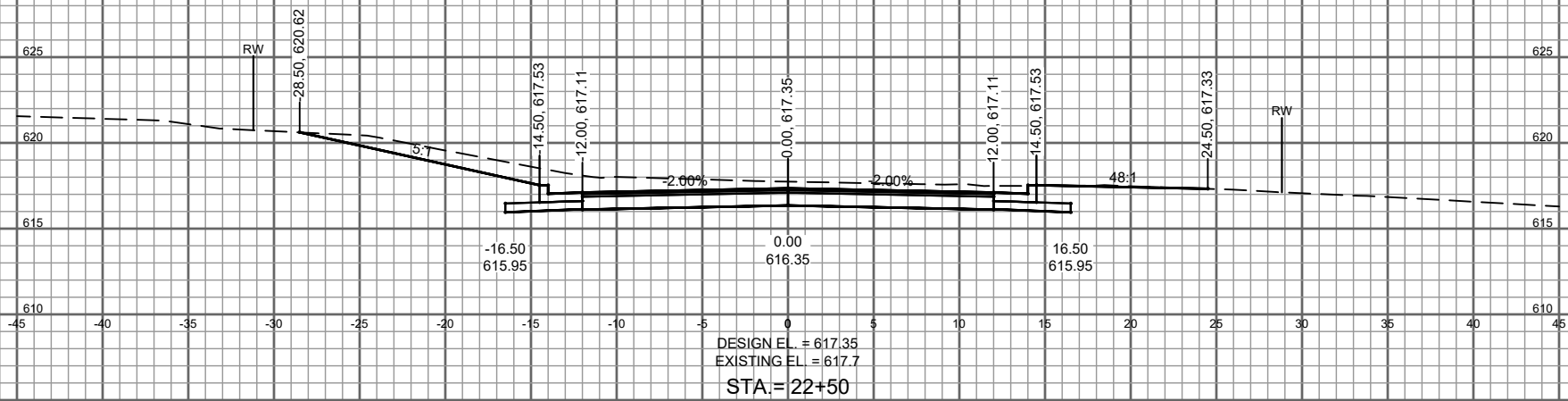


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BEECH STREET CROSS SECTIONS

FILE NO. 80020229
SHEET CS 16



PROJECT NO.	08020291	SCALE	AS SHOWN	NO.	DATE
PROJECT DATE	February 24, 2022	DRAWN BY	EE		
F.B.		DESIGNED BY	DWM		
		CHECKED BY	DWM		
PLOT DATE	Wednesday, March 2, 2022 10:26:40 AM	G:\08080202\08020291\CADD\CSD\08020291 Section.dwg			

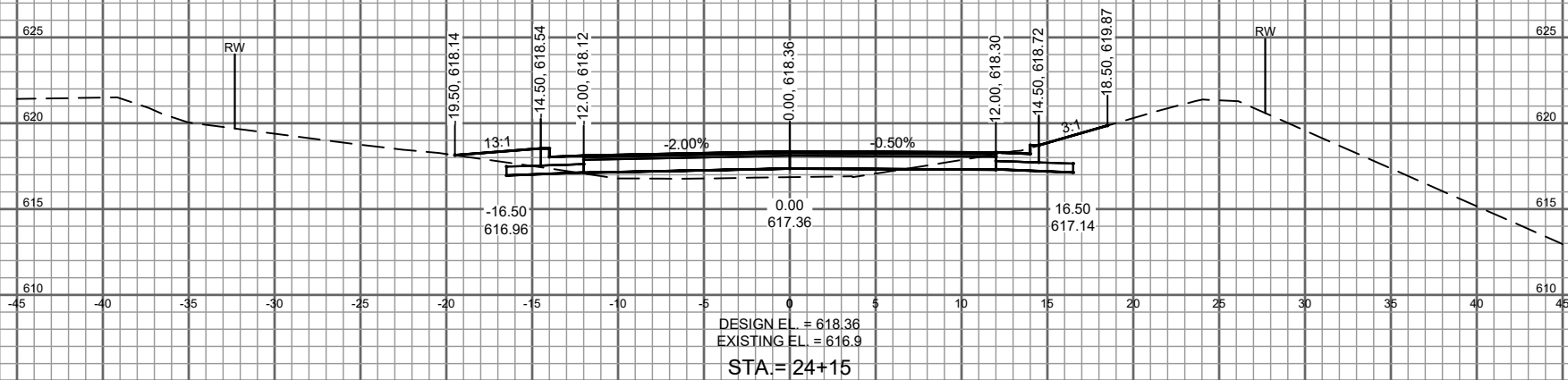
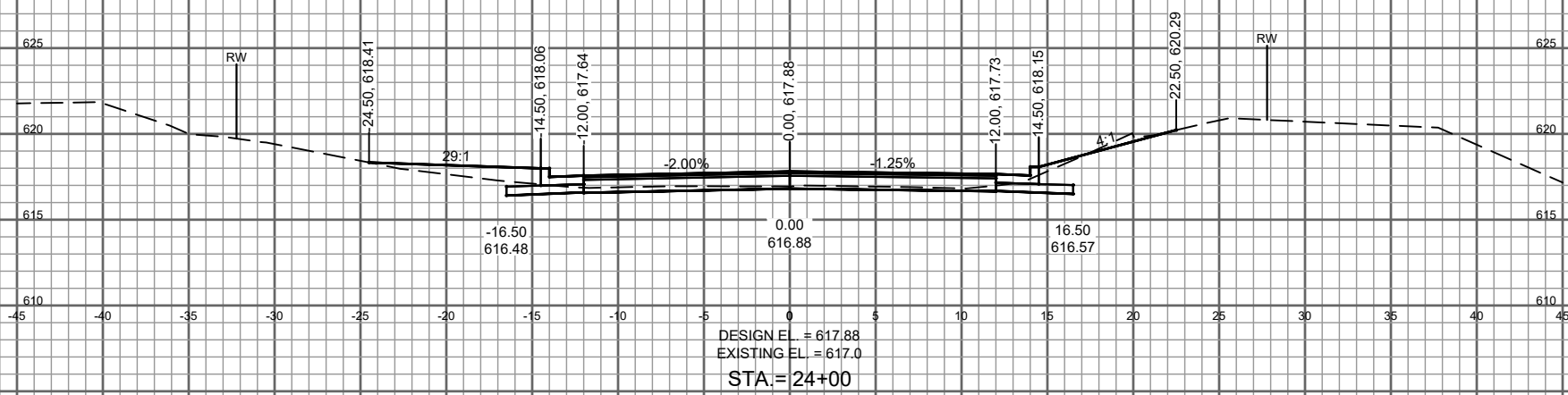
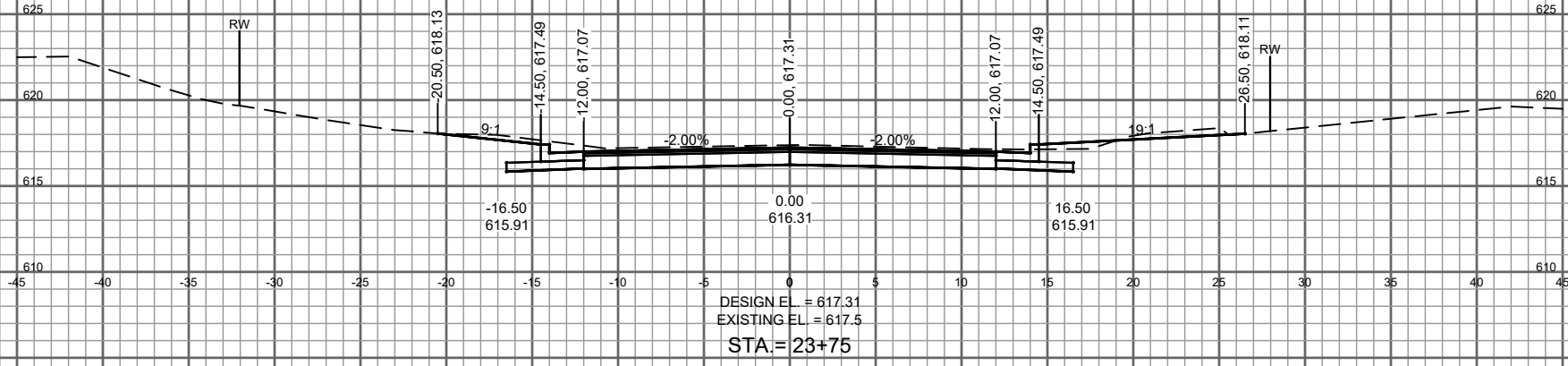
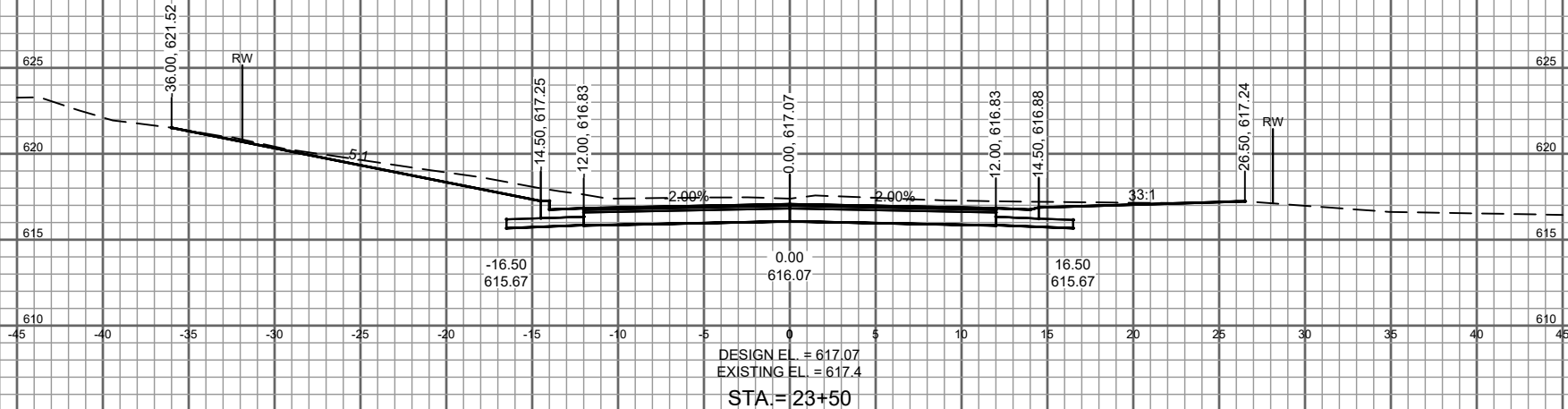


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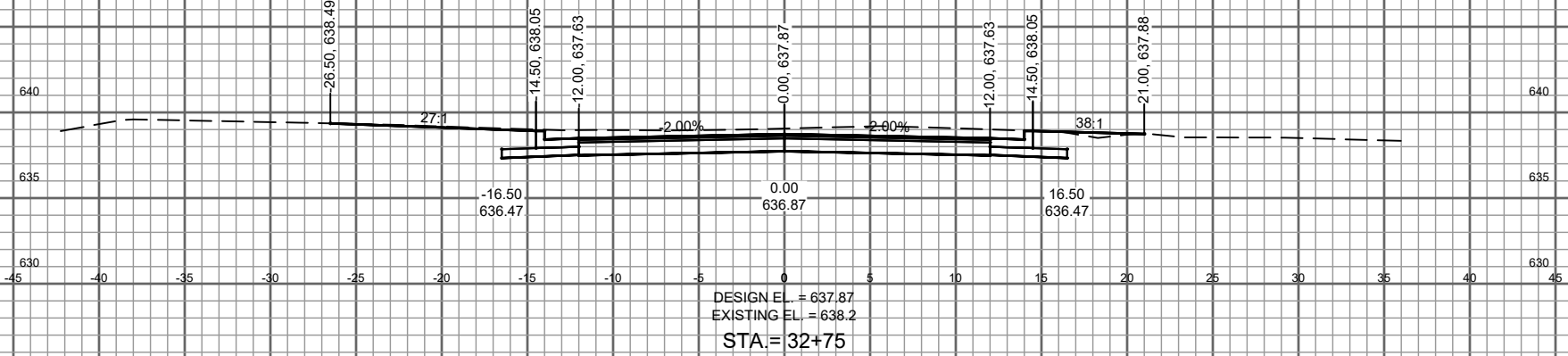
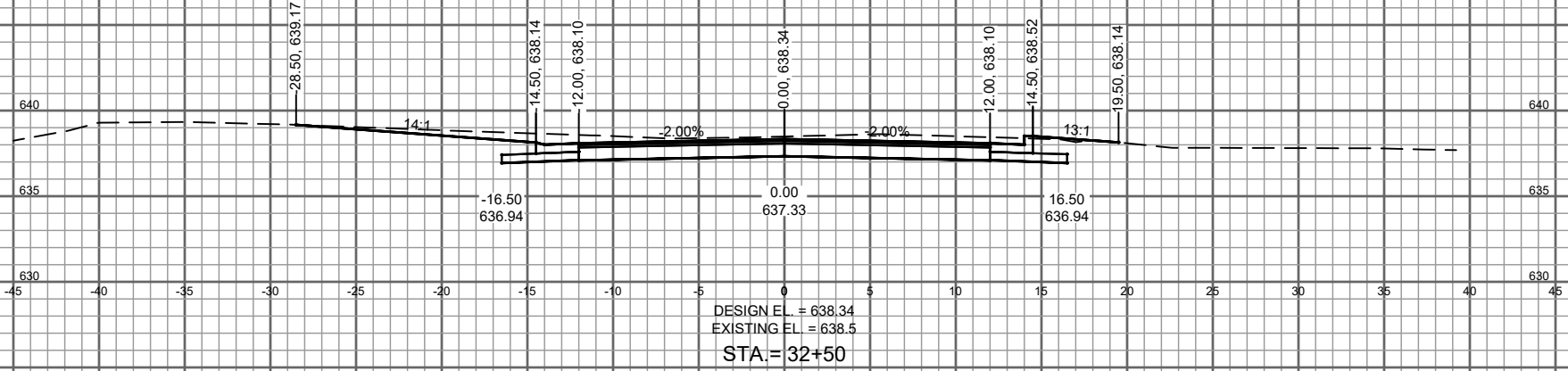
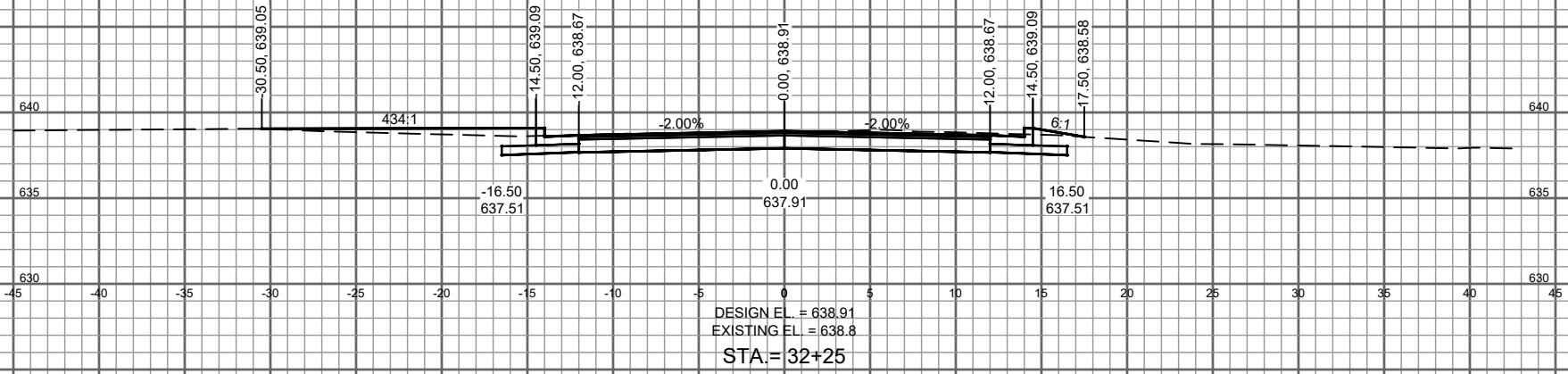
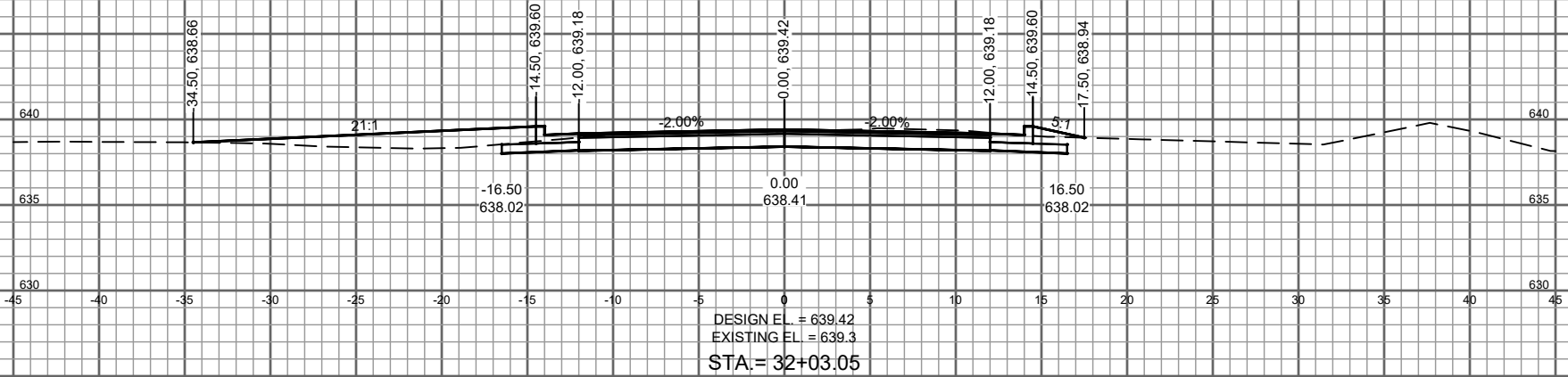
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MAINTOWOC COUNTY, WI



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VILLAGE OF CLEVELAND
MAINTOWOC COUNTY, WI

E JEFFERSON AVENUE CROSS SECTIONS

FILE NO.
8002029
SHEET
CS 18

PROJECT NO.	08020291	SCALE	AS SHOWN	NO.	DATE
PROJECT DATE:	February 24, 2022	DRAWN BY:	EE		
F.B.:		DESIGNED BY:	DWM		
		CHECKED BY:	DWM		
PLOT DATE:	Wednesday, March 2, 2022 10:28:45 AM				



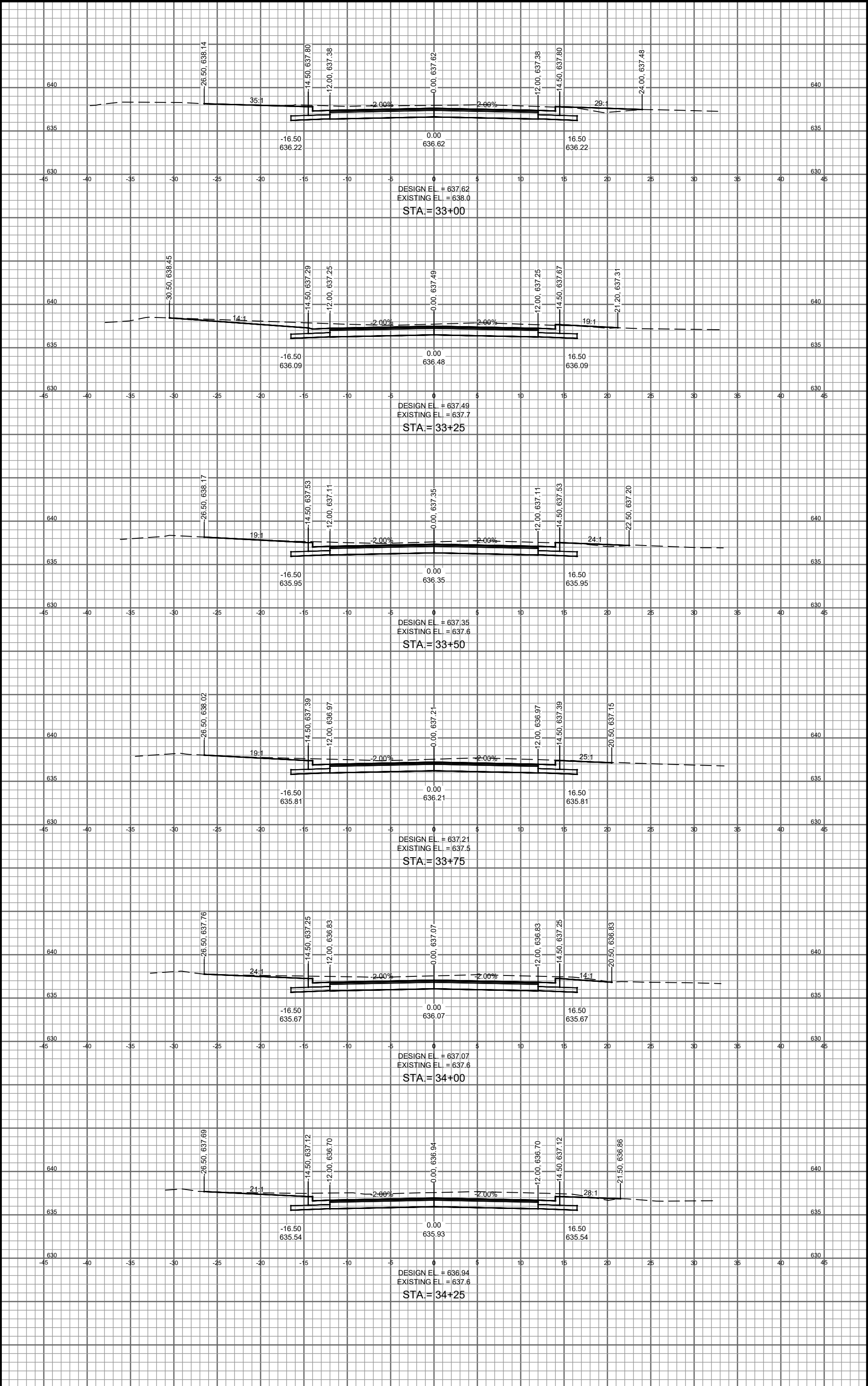
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E JEFFERSON AVENUE CROSS SECTIONS



PROJECT NO.	08020291	SCALE	AS SHOWN	NO.	DATE
PROJECT DATE:	February 24, 2022	DRAWN BY:	EE		
F.B.:		DESIGNED BY:	DWR		
		CHECKED BY:	DWR		
PLOT DATE:	Wednesday, March 2, 2022 10:28:50 AM				



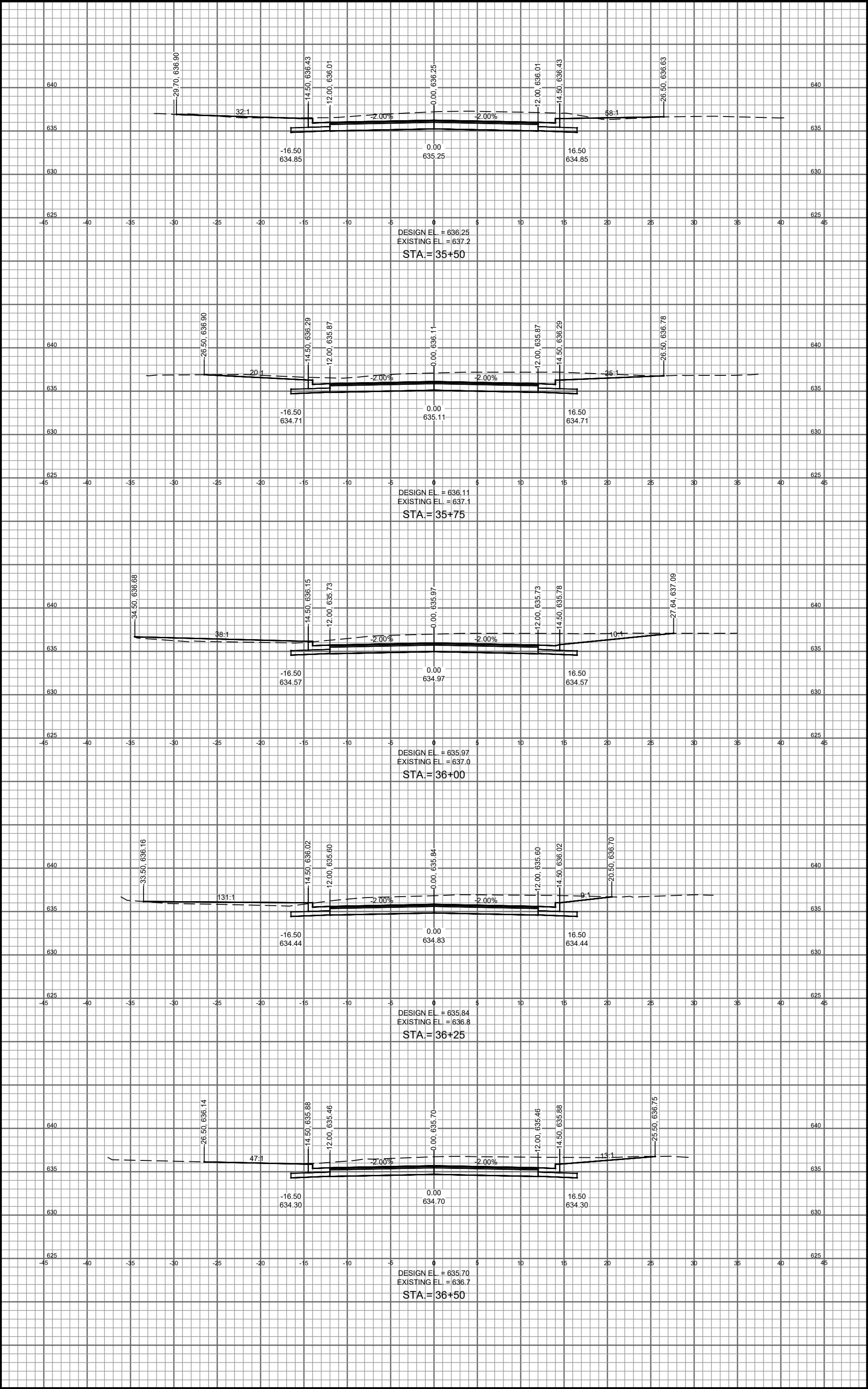
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PROJECT NO.	08020291	SCALE	AS SHOWN	NO.	DATE
PROJECT DATE	February 24, 2022	DRAWN BY	EE		
F.B.		DESIGNED BY	DWR		
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PLOT DATE	Wednesday, March 2, 2022 10:26:52 AM	G:\080802\08020291\CADD\CSD\80020291 Section.dwg			



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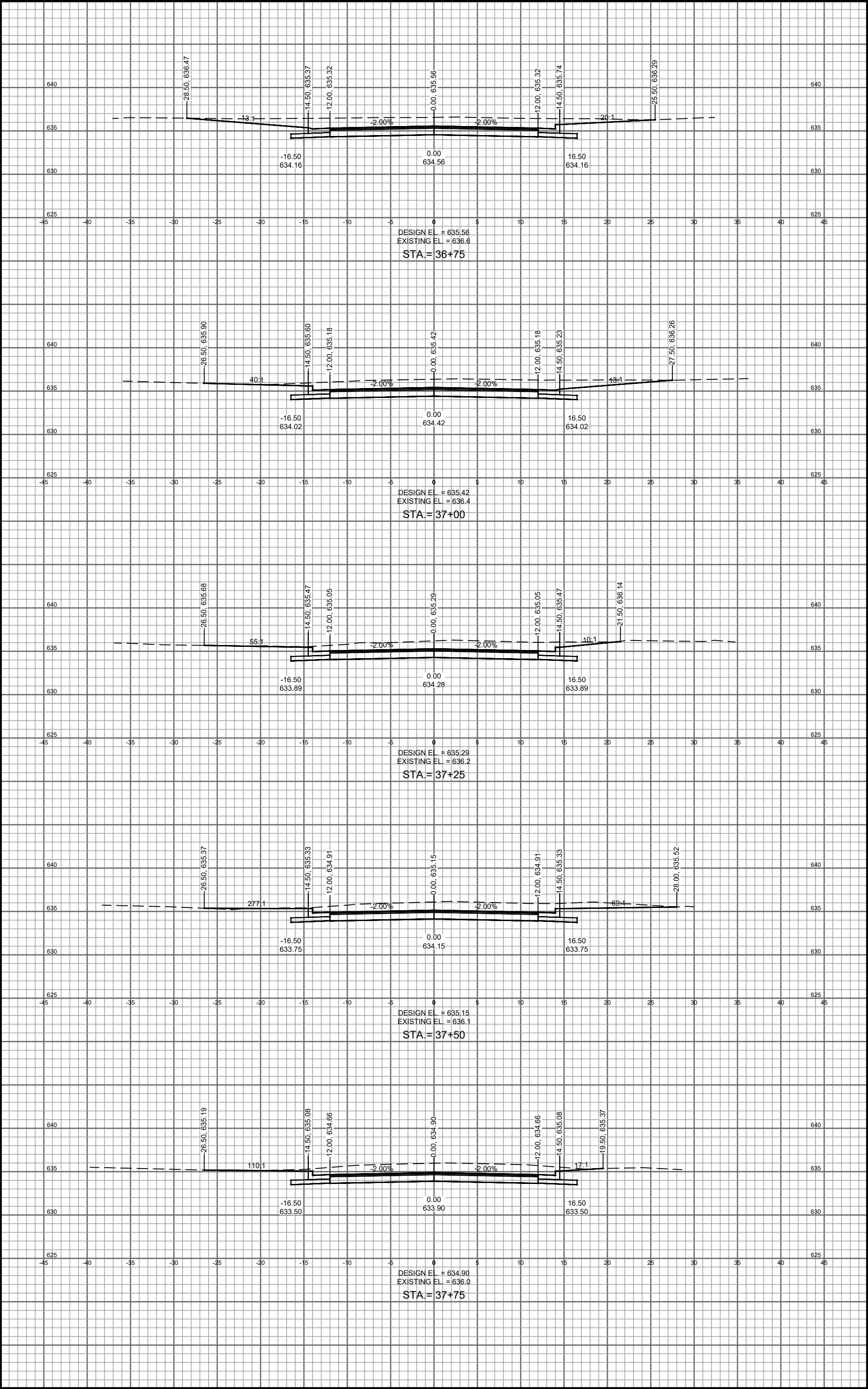
MAINTOWOC COUNTY, WI

E JEFFERSON AVENUE CROSS SECTIONS

8002029

Sheet

CS 22



PROJECT NO.	08020231	SCALE	AS SHOWN	NO.	DATE
PROJECT DATE:	February 24, 2022	DRAWN BY:	EE		
F.B.:		DESIGNED BY:	DWR		
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PLOT DATE:	Wednesday, March 2, 2022 10:26:55 AM				



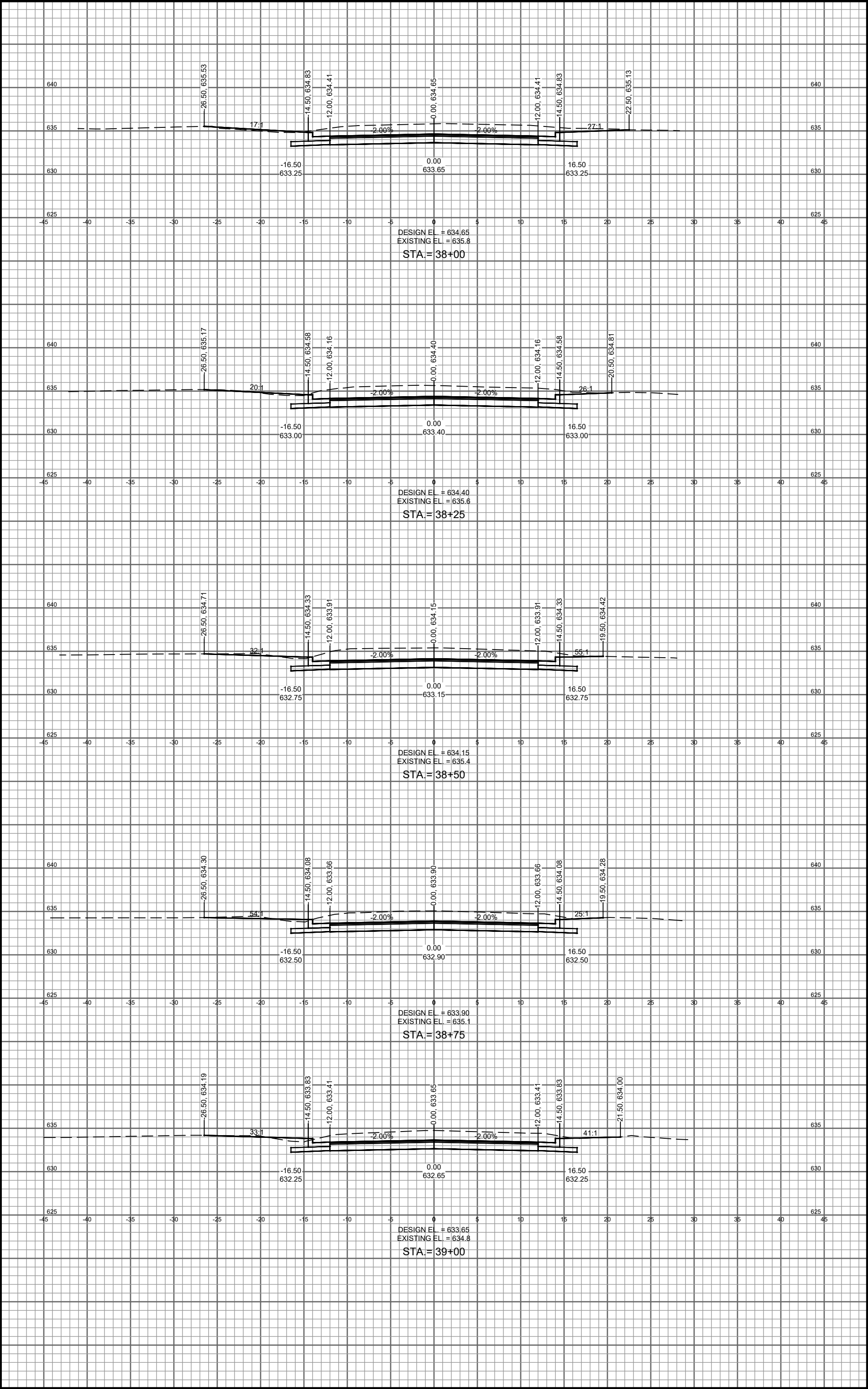
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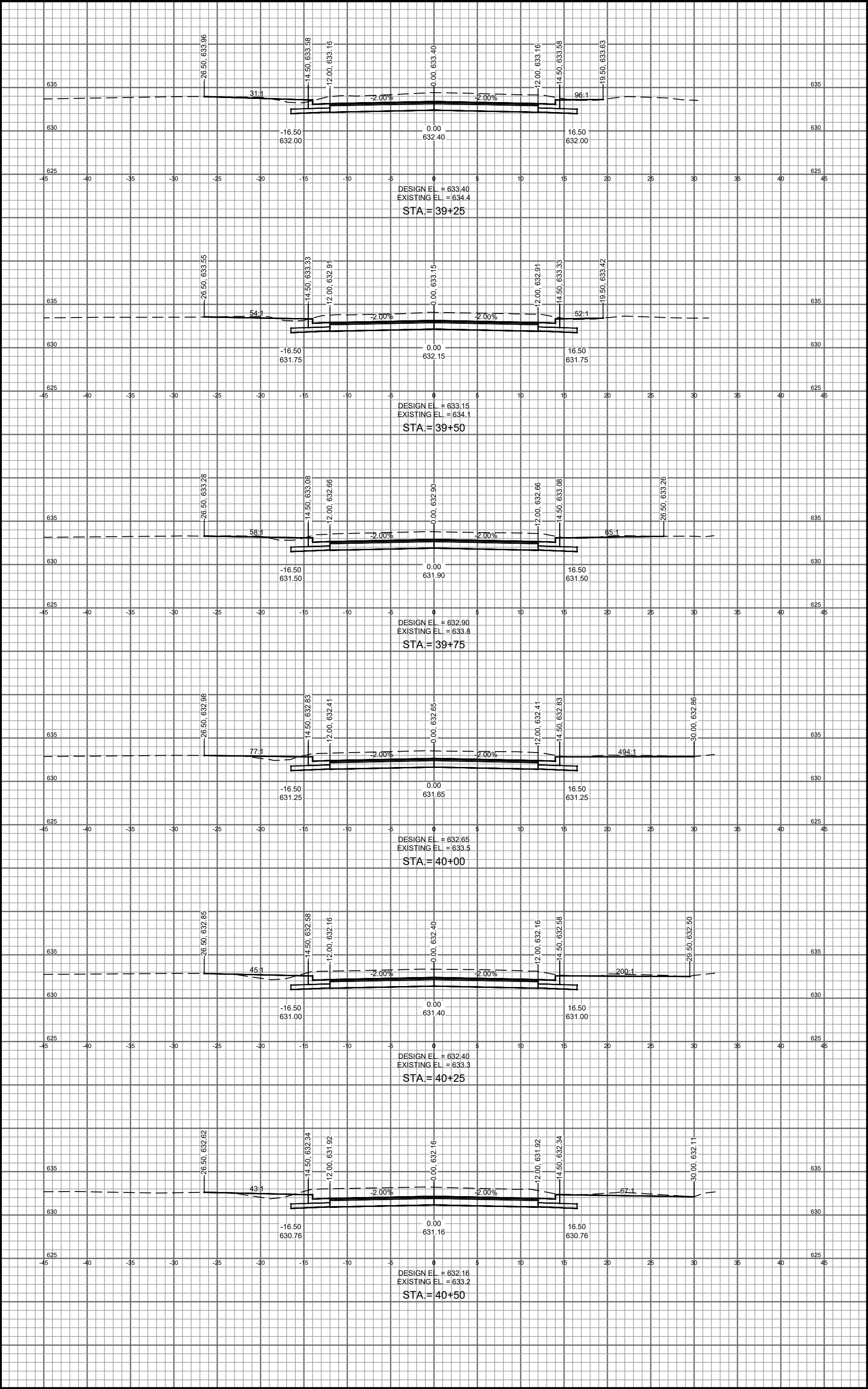
PROJECT NO.	08020291	SCALE	AS SHOWN	NO.	DATE
PROJECT DATE:	February 24, 2022	DRAWN BY:	EE		
F.B.:		DESIGNED BY:	DWM		
		CHECKED BY:	DWM		
PLOT DATE:	Wednesday, March 2, 2022 10:26:57 AM				



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PROJECT NO.	08020231
PROJECT DATE:	February 24, 2022
DRAWN BY:	EE
DESIGNED BY:	DWM
CHECKED BY:	DWM
PILOT DATE:	Wednesday, March 2, 2022 10:28:59 AM G:\08\0802\08020231\CADD\C3D\8020231 Xsection.dwg



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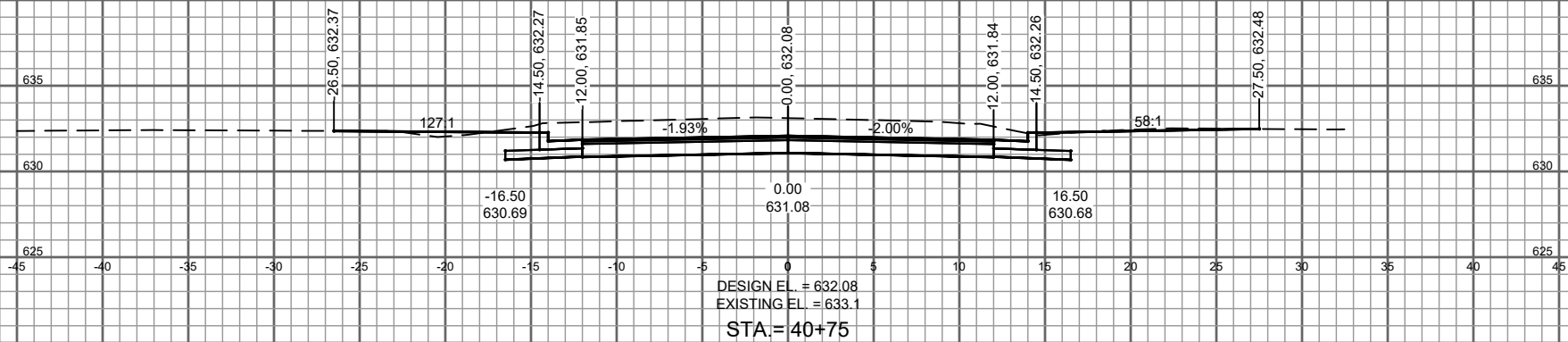
MAINTOWOC COUNTY, WI

E JEFFERSON AVENUE CROSS SECTIONS

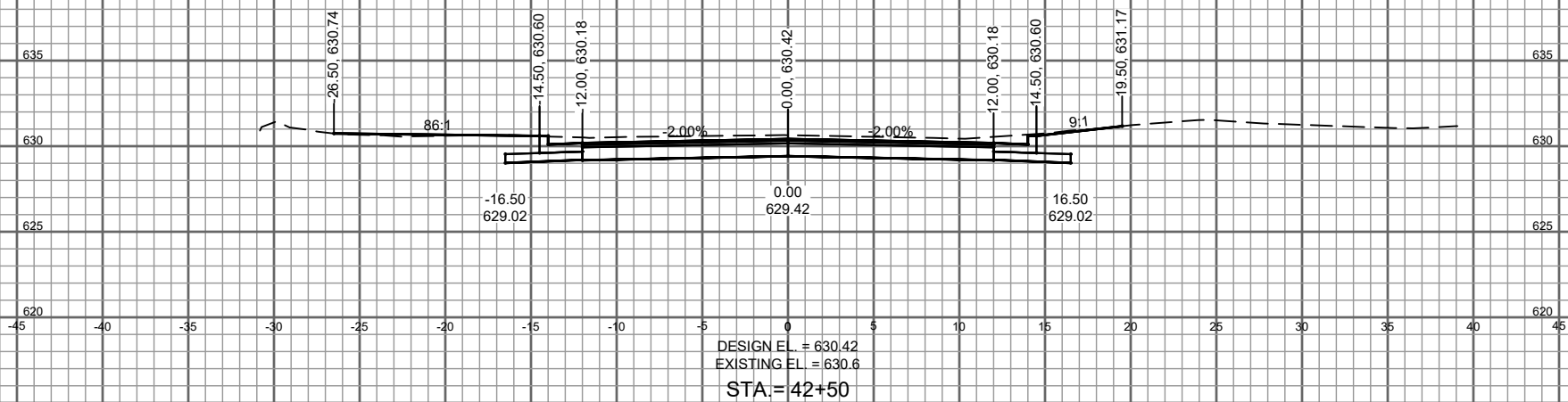
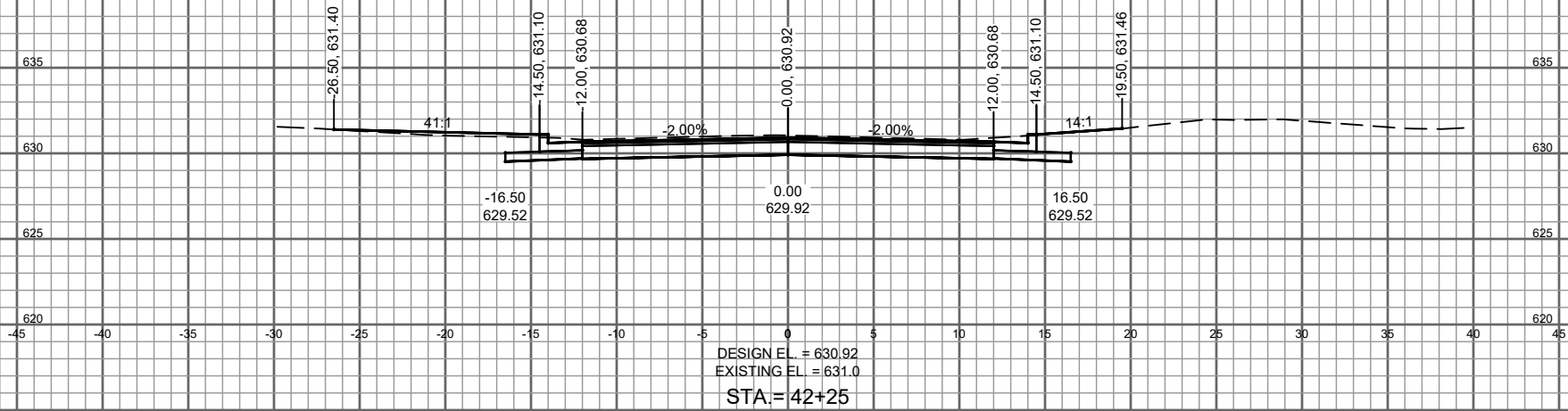
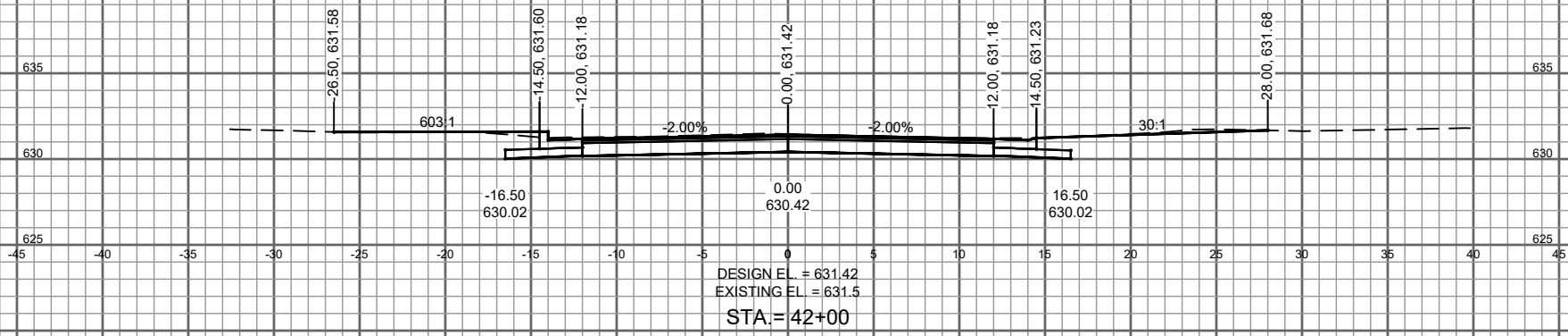
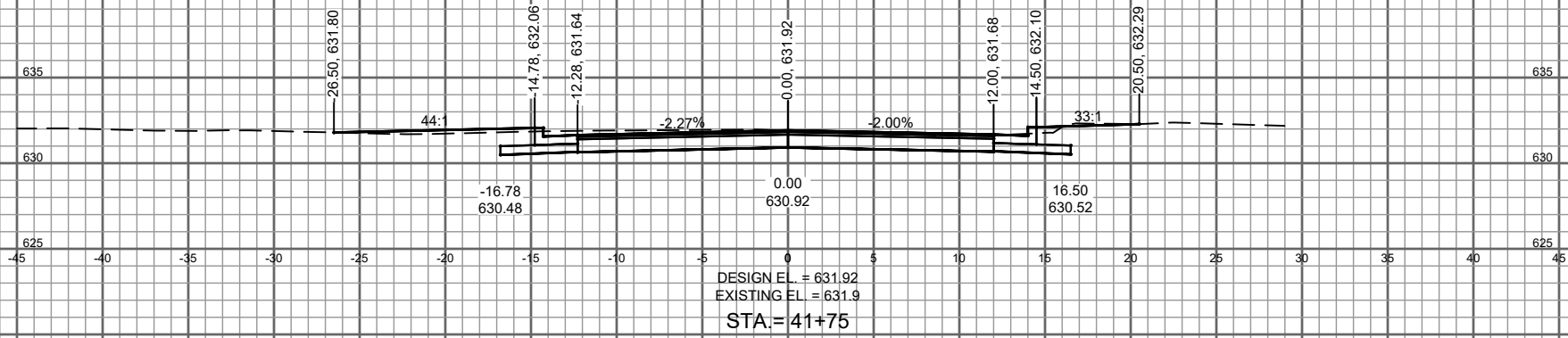
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SHEET

CS 25



SEE SHEET ST12 FOR BEECH ST AND E JEFFERSON ST INTERSECTION DETAILS



PROJECT NO.	08020291	SCALE	AS SHOWN	NO.	DATE
PROJECT DATE	February 24, 2022	DRAWN BY	EE		
F.B.		DESIGNED BY	DWR		
		CHECKED BY	DWR		
PLOT DATE	Wednesday, March 2, 2022 10:27:02 AM	G:\0808002\0802029\CADD\CSD\08020291 Section.dwg			



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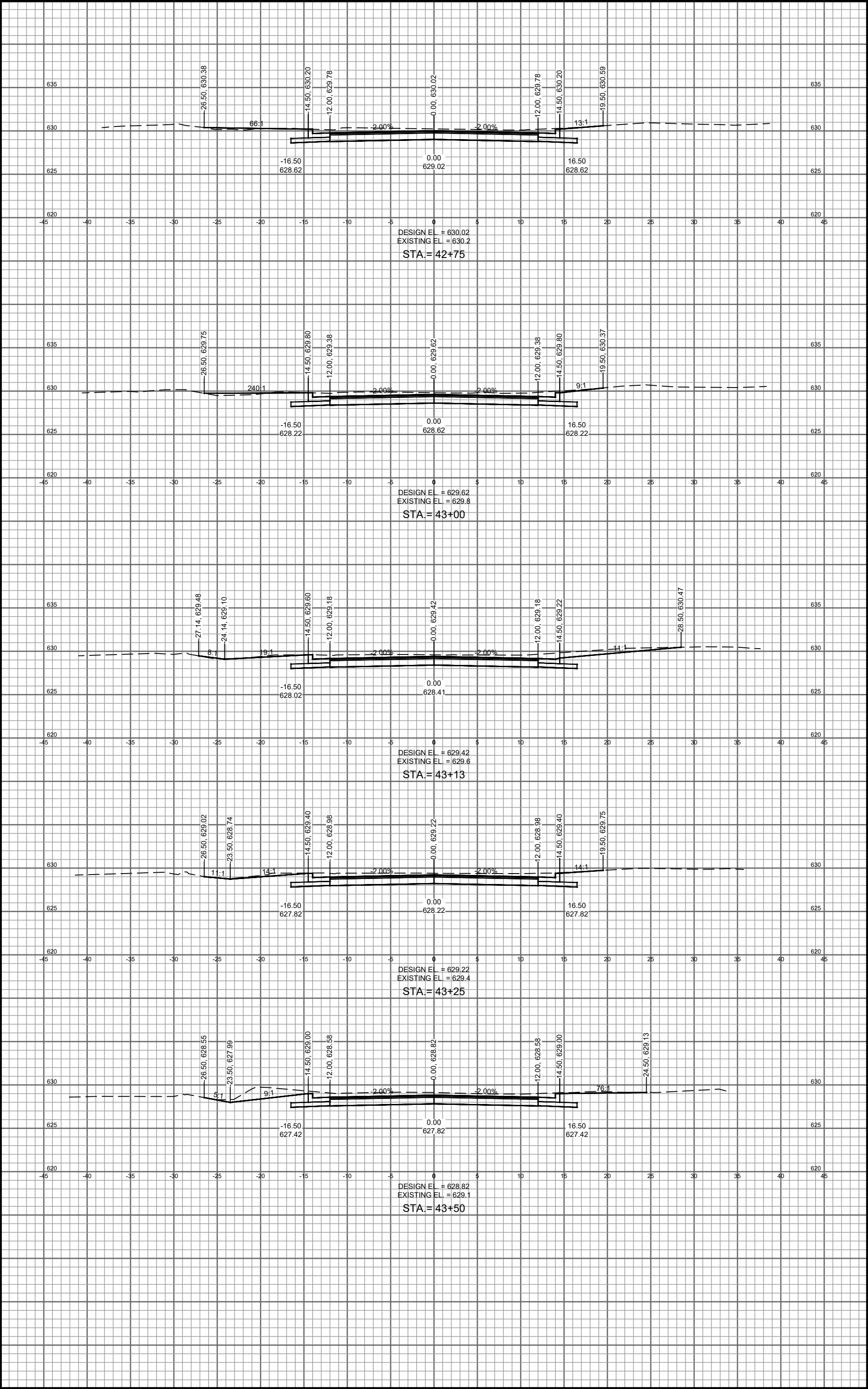
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E JEFFERSON AVENUE CROSS SECTIONS

FILE NO.
8002029

SHEET
CS 26



PROJECT NO.	08020291	SCALE: AS SHOWN	NO.	DATE
PROJECT DATE:	February 24, 2022	DRAWN BY:	EE	
F.B.:		DESIGNED BY:	DWM	
CHECKED BY:	DWM			
PLLOT DATE:	Wednesday, March 2, 2022 10:27:04 AM	G:\08\08020208\02020291\CADD\CSD\80020291 Xsection.dwg		



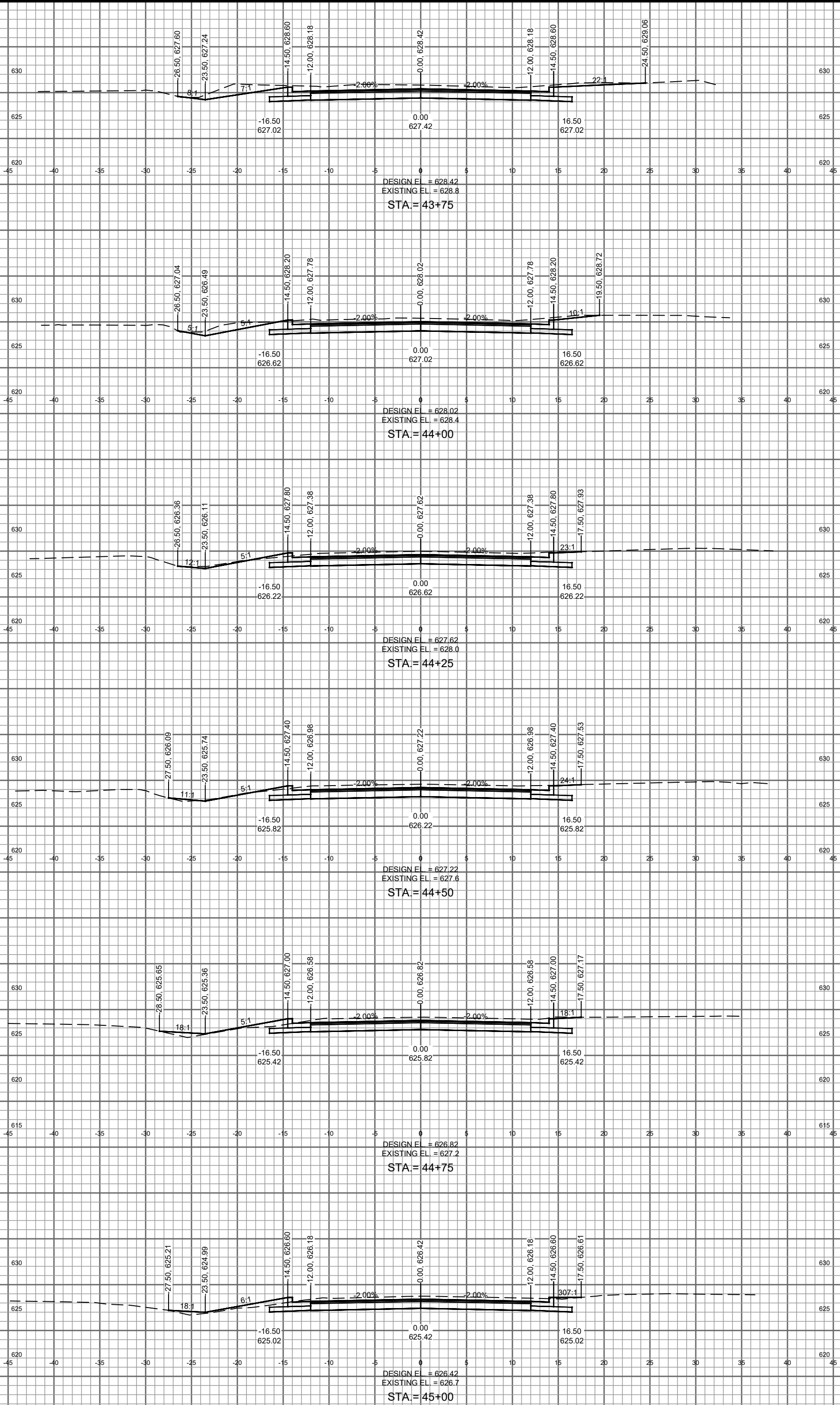
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PROJECT NO.	08020291	SCALE	AS SHOWN	NO.	DATE
PROJECT DATE	February 24, 2022	DRAWN BY	EE		
F.B.		DESIGNED BY	DWR		
		CHECKED BY	DWR		
PILOT DATE	Wednesday, March 2, 2022 10:27:06 AM	G:\0808020\0802029\CADD\CAD01\CS08020291 Revision.dwg			

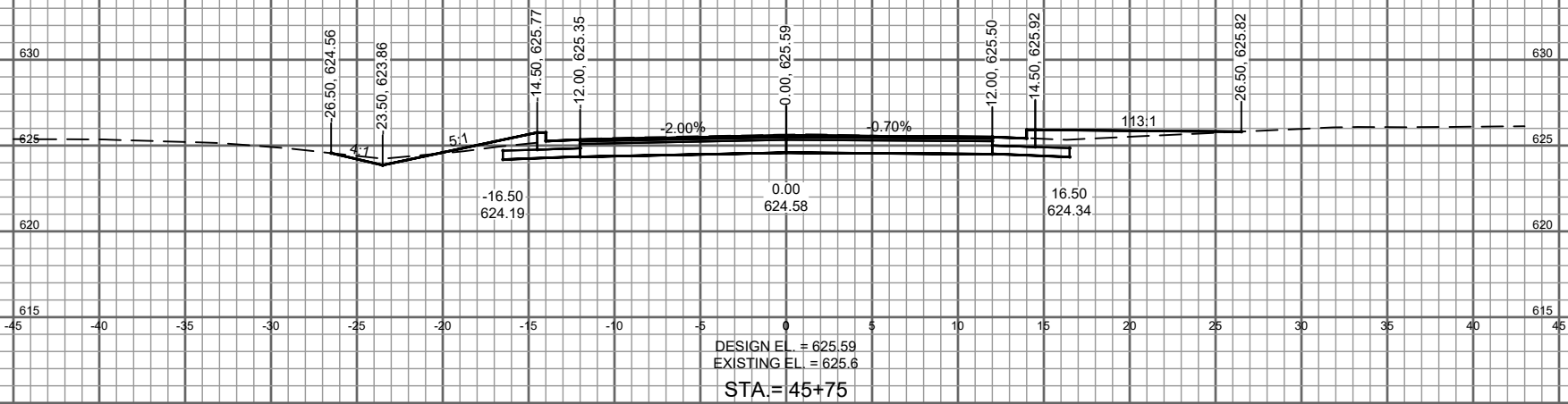
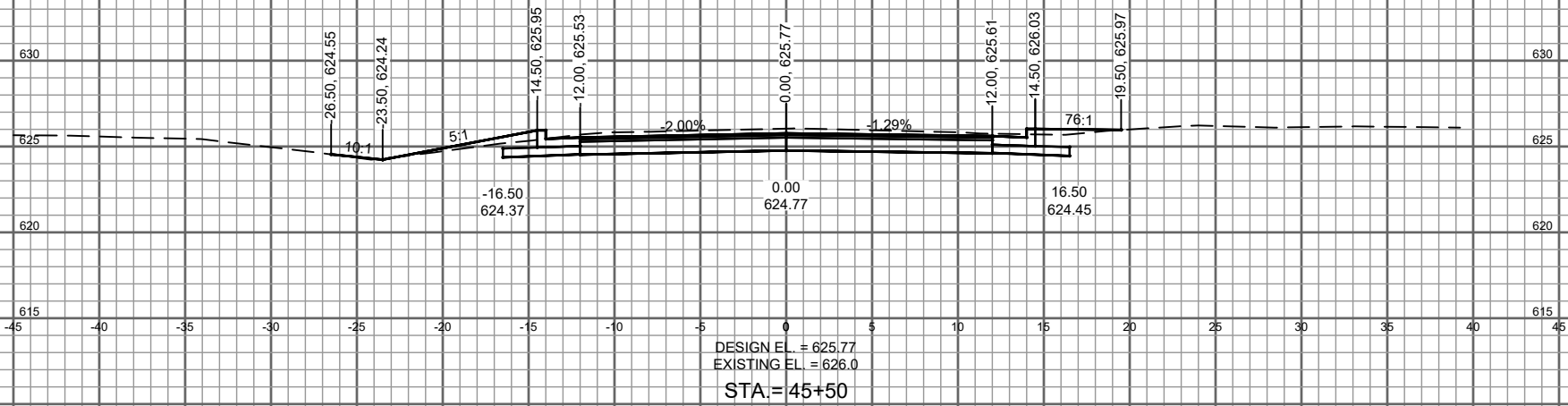
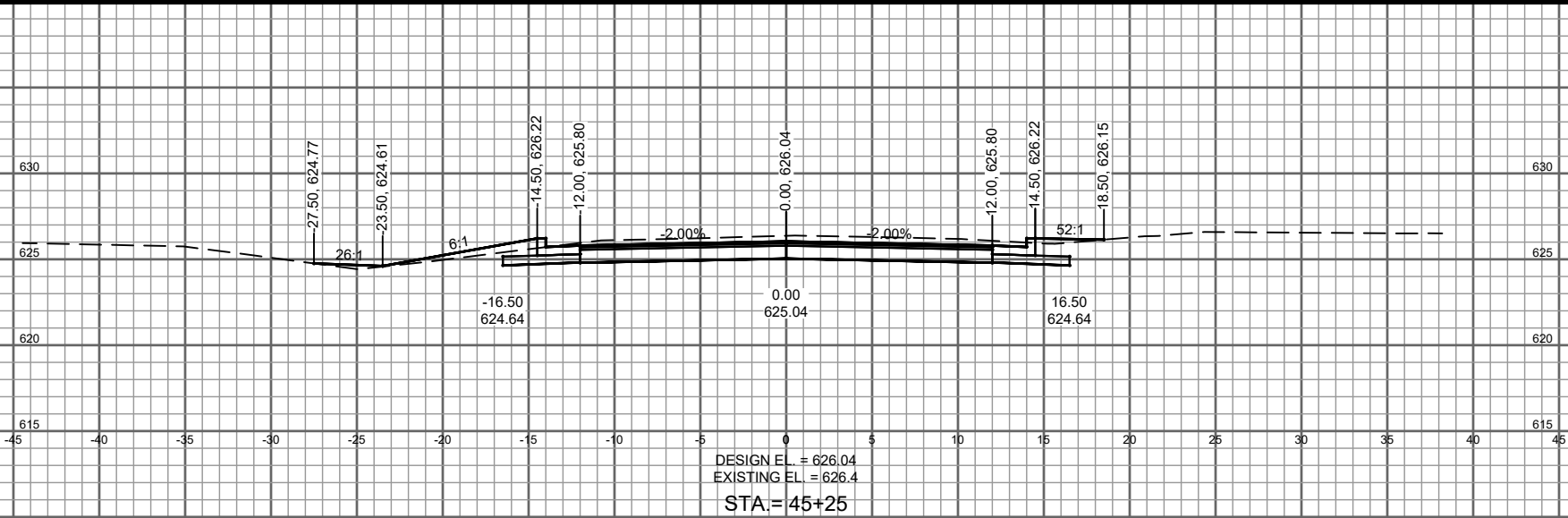


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