



****REVISED** ADMINISTRATIVE POLICY COMMITTEE MEETING AGENDA**

September 19, 2024 at 5:30 PM

Kronenwetter Municipal Center - 1582 Kronenwetter Drive Board Room (Lower Level)

1. CALL MEETING TO ORDER

- A. Pledge of Allegiance
- B. Roll Call

2. PUBLIC COMMENT

Please be advised per State Statute Section 19.84(2), information will be received from the public. It is the policy of this Village that Public Comment will take no longer than 15 minutes with a three-minute time period, per person, with time extension per the Chief Presiding Officer's discretion. Be further advised that there may be limited discussion on the information received, however, no action will be taken under public comments.

3. REPORTS AND DISCUSSIONS

- [C.](#) Treasurer's Report

4. OLD BUSINESS

- [D.](#) Discussion and Possible Action: HR-008 Fitness Room
- [E.](#) Discussion and Possible Action: FIN-006 Disposal of surplus property

5. NEW BUSINESS

- [F.](#) Discussion and Possible Action: Reconstruction of Kronenwetter Drive North
- [G.](#) Discussion and Possible Action: Village of Kronenwetter 2024-25 Municipal Property Insurance Company (MPIC) Premium Renewal
- [H.](#) To partner with Marathon County on a recycling agreement to apply for grant funding
- [I.](#) Discussion & Possible Action: Ambulance Purchase Contract Recommendation

6. CONSIDERATION OF ITEMS FOR FUTURE AGENDA

7. NEXT MEETING: October 17, 2024

8. ADJOURNMENT

NOTE: Requests from persons with disabilities who need assistance to participate in this meeting or hearing should be made at least 24 hours in advance to the Village Clerk's office at (715) 693-4200 during business hours.

Posted: 09/17/2024 Kronenwetter Municipal Center and www.kronenwetter.org

Faxed: WAOW, WSAU, City Pages, Mosinee Times | Emailed: Wausau Daily Herald, WSAW, WAOW, Mosinee Times, Wausau Pilot and Review, City Pages



REPORT TO APC

ITEM NAME:	Treasurer's Report
MEETING DATE:	9/19/24
PRESENTING COMMITTEE:	APC
COMMITTEE CONTACT:	
STAFF CONTACT:	Lisa Kerstner
PREPARED BY:	Lisa Kerstner

- Entering 2023 audit entries, working on wrapping up the 2023 audit.
- Reviewing 2023 audit and verifying that the accounting software is balanced to the 2023 audit.
- Working on verifying current numbers are correct.
- Prepare for meetings, putting agendas and packet material together – CLIPP, UC, RDA, JRB, VB, APC.
- Working with staff & Ehlers to have posting in the paper for TID 2 affidavit.
- Working on the Budget and meeting with department heads and committees.
- Working on the 2025 draft budget spreadsheet.
- Working with RPS on TID 2 projects including Kronenwetter Drive North.
- Working with Ehlers on TID 2 amendment and discussing financing options.
- Working with RPS and Ehlers on the project plan and putting information together.
- Getting updates from RPS on LS 2, LS 6 and TID projects.
- Getting updates from Becher Hoppe Water Filtration Project.
- Completed Construction Progress Reporting Survey with Greg.
- Working on August Bank Reconciliations.
- Attending seminars for additional training and knowledge.

POLICY ID: HR-008 TITLE: Employee Use Of Municipal Facilities — Fitness Center

C] ORIGINAL Effective Date: 06/11/2007 REVISION Effective Date: 03/01/2012

APPROVED BY VILLAGE BOARD: DATE: 02/27/2012 (Signature: J. Gallon, V. Clerk)

APPLIES TO: FLSA EXEMPT ELSA NON-EXEMPT REPRESENTED EMPLOYEES Non-REPRESENTED EMPLOYEES ELECTED OFFICIALS D APPOINTED OFFICIALS This policy applies to all Village of Kronenwetter personnel in the categories checked in this section. Provisions within an individual personal employment agreement or in an applicable formal labor agreement between the Village and a certified collective bargaining unit may supersede certain parts of this policy.

- Only Employees or elected Village officials (no spouses or children) are authorized to use the Fitness Center facility.
Employees may not use the Fitness Center during normal work hours including during paid breaks. Use during unpaid lunch breaks is permitted.
Fitness Center users must wear clean and appropriate attire. No open-toed shoes, sandals, boots, or jeans (when using the benches) are allowed. Shirts are required.
No food or drink is allowed except water (no glass containers).
Users must wipe off equipment after each use.
Equipment must not be removed from the Fitness Center except for repair, replacement, or removal under direction of Director of Public Works.
Users are responsible for the appearance and cleanliness of the Fitness Center.
When there is a wait list, the time limit on cardiovascular machines is twenty minutes.
Users must notify the Director of Public Works immediately of any equipment problems.
The Village of Kronenwetter is not responsible for loss or damage to a user's personal property while using the Fitness Center.
The Village of Kronenwetter is not responsible for injuries to any person while using the Fitness Center.
Prior to using the Fitness Center, personnel must complete and sign HRFRM-xxx Waiver and Release of Liability acknowledging his/her assumption of all risks of injury or liability and waive and release any rights of recovery. Form will be retained in the employee's personnel file.

- Unauthorized personal training is strictly forbidden and may result in user being barred from the facility.

This policy is not intended, and should not be construed, to limit or prevent an employee from exercising rights under the National Labor Relations Act. The Village of Kronenwetter retains the right to amend or change this policy at any time without prior notice.

KRONENWETTER MUNICIPAL FITNESS CENTER

I _____ (print name) agree that I will be using the exercise equipment in the Kronenwetter Municipal Fitness Center and take full responsibility for any injury or the result of any injury during the use of the fitness equipment.

In the event that any injury occurs during the use of the fitness equipment, I assume financial responsibility for all emergency medical/dental services rendered. I furthermore release The Village of Kronenwetter from any liability in the event of injury while using the fitness room. I have carefully read this release and fully understand its contents.

This authorization remains in effect until written notice of withdrawal is filed in the Village Clerk or the Finance Director/Treasurer.

Authorization and Waiver of Liability

Signature _____ Date _____

Village Staff Signature _____ Date _____

POLICY ID: FIN-006		TITLE: Disposal of Surplus Public Property	
<input type="checkbox"/> ORIGINAL <input checked="" type="checkbox"/> REVISION EFFECTIVE DATE: Version 1: 03/26/2012 Version 2: 02/26/2019		APPROVED BY VILLAGE BOARD: _____ DATE: _____ Village Clerk	
APPLIES TO:		<input checked="" type="checkbox"/> FLSA EXEMPT	<input checked="" type="checkbox"/> FLSA NON-EXEMPT
		<input checked="" type="checkbox"/> REPRESENTED EMPLOYEES	<input checked="" type="checkbox"/> Non-REPRESENTED EMPLOYEES
<i>This policy applies to all Village of Kronenwetter employees in the categories checked in this section. Provisions within individual personal contracts or a collective bargaining agreement may supersede certain parts of this policy.</i>			

Purpose - It is in the best interest of the Village to control the method for disposal of the materials and property of the Village that are deemed to be no longer suitable or useful to the Village. This policy is being put in place to allow for their removal from the Fixed Asset registry and to ensure that any funds that are acquired through the disposal of the property can be properly accounted for within the accounting system.

Procedure - The procedure for disposal of surplus property shall be as follows:

1. When equipment is found to be no longer suitable or useful to the Village, the prevailing department head shall be notified. The department head will then send a list of these items to the Village clerk, the estimated value of the item, and the reason for their disposal.
2. The Village Clerk or his or her designee shall then place in resolution form the items to be disposed of and shall place the resolution on the agenda of the Village Board for action.
3. Once the Village Board has taken action to dispose of the items in question the prevailing department head shall then take one of the following actions:
 - a. In the case where the item still retains some value, the item shall be placed on a publicly available auction and the item shall be sold to the highest responsible bidder. If the items do not sell within 2 auction cycles the Village Administrator can donate the item(s).
 - b. In the case where the items are in poor working order or damaged beyond repair they will be disposed of by recycling companies or waste management.
 - c. Items may also be donated or sold directly to other local government entities if approved by the Village Board.
 - d. Items that have a value of less than \$50, shall be disposed of by the Village Administrator after disposal is approved by the Village Board.
 - e. Anything that needs to be E-Cycled and would cost the Village money, can be donated.
4. Monies from the sale of surplus property, including sales to individuals, recycling or waste management companies, will be turned into the Village Treasurer and be recorded as a miscellaneous income for the prevailing department.

PROJECT STATUS MEMO
KRONENWETTER DRIVE NORTH (PHASE B)
ROAD PROJECT

To: Village of Kronenwetter
From: Robert J. Roth, PE
Re: Kronenwetter Drive North Project B
Date: July 31, 2024

BACKGROUND. The Village of Kronenwetter had previously commissioned the design of Kronenwetter Drive North (Upper aka Phase B) From TID2 to Kowalski Road. This is a 2+ mile segment of construction.

This memo is a brief summary memo on the project. The plans and estimate are attached for reference.

CURRENT STATUS. Our focus has been on the portion of the project within TID2, however, the Kronenwetter Drive North has advanced in reasonable stride to beyond the 50% stage.

SCOPE. The following key design elements are included in the Kronenwetter Drive North project:

1. Address significant joint movement in the entire portion of the roadway.
2. Address lack of sub-base adequacy for level of traffic received, additional truck traffic.
3. Maintain roadway width and functionality, with allowance for heavier traffic.
4. Rebuild portions near Jakes Lake Road to raise profile due to standing water issues in that area.
5. Rebuild portions of the roadway to increase base support and structure, while improving base drainage. This will reduce the freeze-thaw effect in this area.
6. Address roadway design elements (culverts, shoulders).
7. No ROW acquisition is necessary.

DESIGN ASPECTS. There is between 2.5” and 3.5” of asphalt on average in this segment of road. The base includes from 8” to 9” of crushed aggregate. This was likely built as a WisDOT access road to properties upon the build-out of I39. That is, the level of service was not necessarily for a

high level of truck traffic. The use of the road has changed over the years, but also, the performance of the road is now evident in other aspects.

The pavement condition has lateral/transverse cracking with mild rutting and longitudinal cracking throughout. The segment south of Jakes Lake Road is in worse condition. The lack of base drainage is likely contributing to the washboard effect, especially during weather transition periods, and it is susceptible to freeze-thaw effects. However, the pavement movement appears to be limited to only the areas near the cracks, indicating that drainage may be worsening as the pavement ages and the cracks open-up. This would normally indicate that the minimum improvement would be a mill and overlay. However, we note that there is generally inadequate base and pavement for a higher level of service for trucks (minimum 12" CABC with 4" asphalt). This occurs for all portions of Kronenwetter Drive North except for a limited area near Kowalski. We are also concerned that with elevated water levels, there is a lack of drainage and these spots will be revealed only during construction. Therefore, we need to plan for an adequate budget that allows for field testing, proofrolling and onsite decisions with the roadway.

We have estimated 40% of the road segment will need to be rebuilt based on the borings and driving the road on numerous occasions. This can be lowered with additional emphasis on construction testing/inspection to evaluate conditions in real-time. The re-built section is summarized as follows:

- Mill/pulverize existing asphalt, stockpile
- Excavate to desired base level, stockpile
- Install geofabric with drainage layer ASTM No 67 clear stone
- Install 12" of 3" compacted breaker run base
- Install 6" of 1.25" compacted crushed aggregate
- Place new 4" HMA with shoulders

The remaining segments will have a mill and overlay with the addition of 4" of CABC for additional structure, summarized as follows:

- Mill/pulverize existing asphalt with 4" new material
- Keep original base below mill line
- Resultant 14-15" aggregate material including regrind/millings
- Regrade and shape, compact
- Place new 4" HMA with shoulders

Our 90% and final plans will confirm all base and roadway segments. Where the road is to be reconstructed, it is possible that we may be able to re-use aggregate taken from the project if it meets design specifications. We will likely account for this in the customization of the project bidding.



BUDGET & PRELIMINARY COST. Project costs for the Kronenwetter Drive North (Upper) portion, at this stage of the project, are included. These estimates are subject to change as we finalize the documents. The overall cost of the project is \$2,000,000.

NEXT STEPS. We will release the public involvement plan as the next step, followed by the 90% bid documents stage (plans, estimate, report), set up a public involvement meeting, initiate permitting and pursue finalization of the construction bid package.

Please contact me with any questions or if additional information is needed.

Sincerely,

ROTH PROFESSIONAL SOLUTIONS



Robert J. Roth, PE
Project Engineer





ENGINEER'S PRELIMINARY COST ESTIMATE

Wednesday, July 31, 2024

Village of Kronenwetter - Kronenwetter Dr. Rehabilitation North Branch

Approx. 11,351 LF Road, 30' wide pavement

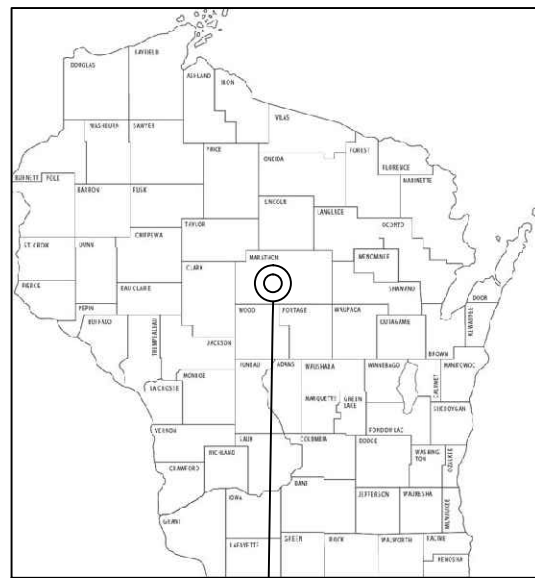
TID2 BOUNDARY NORTH TO KOWALSKI

ROAD REHEABILITATION

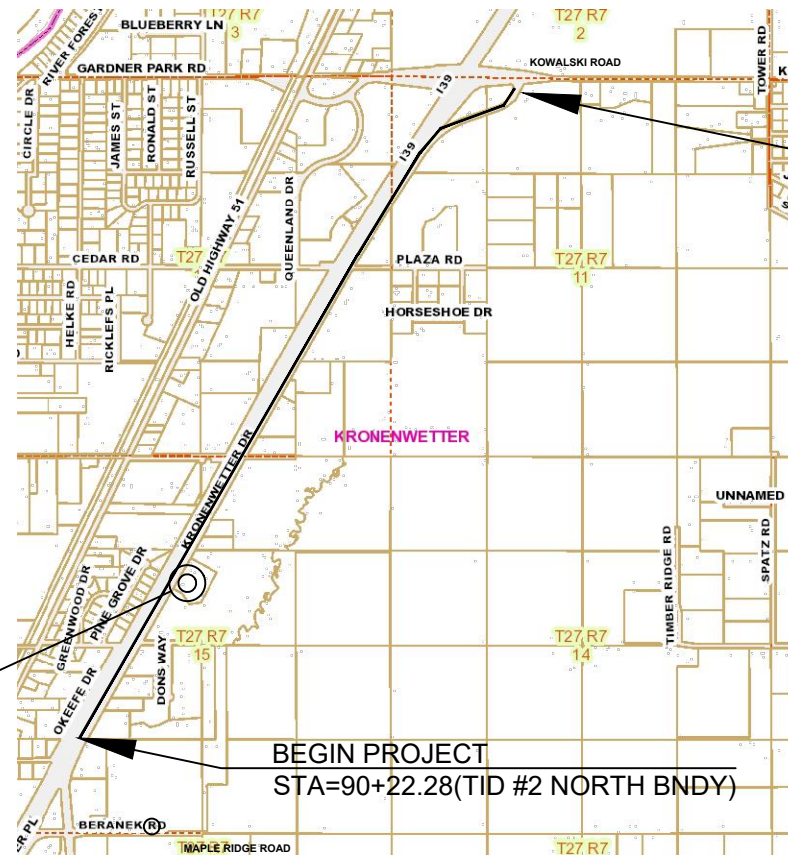
	#	Item	Item Quantity	Units	Unit Cost	Total Cost
Project Development Costs	a	Comprehensive Mapping & Surveying	----	---	----	\$21,000
	b	Planning, Coordination, Engineering & Administration	----	---	----	\$60,000
	c	Legal Services To-Date	----	---	----	----
	d	Title Services To-Date	----	---	----	----
	e	Land Acquisition (Prof. Fees & Land Rights) Estimate	----	---	----	----
	T1	Subtotal Project Development Costs				\$81,000
Roadway Construction Costs	1	Erosion Control Items & Maintenance During Construction	1	Lump Sum	\$10,000.00	\$10,000
	2	Unclassified excavation for Roadway	16,500	SY	\$3.00	\$49,500
	3	Remove Asphalt Pavement, Main Roadway TO STA=139+00	16,500	SY	\$3.50	\$57,750
	4	Remove Asphalt Pavement, Side streets & Driveways	3,000	SY	\$5.00	\$15,000
	5	Remove Concrete Driveway	50	SY	\$7.00	\$350
	6	Remove existing culverts	2	EA	\$1,000.00	\$2,000
	7	Sawcut Asphalt Pavement	390	LF	\$1.50	\$585
	8	Topsoil removal	2,000	SY	\$2.50	\$5,000
	9	Unclassified Excavation for Driveways	300	CY	\$10.00	\$3,000
	10	Pulverize Ex. 3" pavement with 4" new CABC	20,816	SY	\$3.50	\$72,856
	11	3/4" Crushed Aggregate 4" top dress Pulverized pavement	20,816	SY	\$4.00	\$83,264
	12	HMA Asphalt Pavement 2" Surface Course Pulverized Section	20,816	SY	\$10.00	\$208,160
	13	HMA Asphalt Pavement 2" Binder Course Pulverized Section	20,816	SY	\$9.00	\$187,344
	14	Remove trees	1	LS	\$500.00	\$500
	15	Geo Grid for Re-Built Section	18,428	SY	\$3.00	\$55,284
	16	12" Breaker Run	5,420	CY	\$50.00	\$271,000
	17	Medium Rip Rap over Fabric for Storm Sewer Endwalls	250	CY	\$60.00	\$15,000
	18	3/4" Crushed Aggregate for Driveway as Needed	100	CY	\$50.00	\$5,000
	19	Open Graded Drainage Layer (Assume 50%)	16500	SY	\$4.00	\$66,000
	20	1.5" Crushed Aggregate Base Course, 6" Compacted-Road & Intersections	16,500	SY	\$5.00	\$82,500
	21	HMA Asphalt Pavement 2" Surface Course-Intersections	16,500	SY	\$10.00	\$165,000
	22	HMA Asphalt Pavement 2" Binder Course-Intersections	16,500	SY	\$9.00	\$148,500
	23	Hot Tar Butt Joint Sealer	390	LF	\$5.00	\$1,950
	24	3/4" Crushed Aggregate for Road Shoulder, 2' wide x 6" thick	370	CY	\$50.00	\$18,500
	25	HMA Asphalt-2" for path & driveways	750	SY	\$20.00	\$15,000
	26	Topsoil, Seed & E-Mat all Disturbed areas,	9,000	SY	\$2.75	\$24,750
	27	Install 14x23 RCP & endwalls - Avg 37 LF	37	LF	\$ 75.00	\$2,775
	28	Install 19x30 RCP & endwalls - Avg 37 LF	37	LF	\$ 80.00	\$2,960
	29	Culvert Crossing Repairs	1	LS	\$ 8,000.00	\$8,000
	30	Pavement Markings	34500	LF	\$ 1.25	\$43,125
	31	Traffic Control	1	LS	\$ 5,000.00	\$5,000
	32	Reset Valve lids & Manhole Covers	1	LS	\$ 5,000.00	\$5,000
	T2	SubTotal Road Construction & Utility Costs				\$1,630,653
Percentage Allocations On Construction Subtotal	A1	Performance & Payment bonds	2	%	----	\$32,700
	A2	Mobilization/Demobilization	3	%	----	\$49,000
	A3	Funding Requirements	0.0	%	----	\$0
	A4	Construction Contingencies	5	%	----	\$81,600
	A5	Geotechnical	0	%	----	\$0
	A6	Construction Engineering, Permitting, Coordination, Construction Admin.	3	%	----	\$49,000
	A7	Surveying (Staking) & Legal	3	%	----	\$49,000
	T3	Subtotal on Construction Allocations				\$300,000
	T4	TOTAL PROJECT SUBTOTAL				\$2,000,000

KRONENWETTER DRIVE NORTH TID #2 BOUNDARY TO KOWALSKI RD.

VILLAGE OF KRONENWETTER, WISCONSIN



PROJECT LOCATION



END PROJECT
STA=201+45.00

BEGIN PROJECT
STA=90+22.28(TID #2 NORTH BNDY)

VILLAGE OF KRONENWETTER

ORDER OF SHEETS

Section No.	1	Title
Section No.	2	Typical Sections and Borings
Section No.	3	
Section No.	4	
Section No.	5	Plans
Section No.	5	Plan & Profile
Section No.	6	
Section No.	7	
Section No.	8	
Section No.	9	

TOTAL SHEETS = 17 SHEETS

OWNER:
VILLAGE OF KRONENWETTER
MARATHON COUNTY, WISCONSIN
1582 KRONENWETTER DR
KRONENWETTER, WISCONSIN,
54465
(715)693-4200 EXT. 1731
CHRIS VOLL, VILLAGE PRESIDENT
cvoll@kronenwetter.org

OPERATOR:
MARK MACKEY
VILLAGE OF KRONENWETTER
1582 KRONENWETTER DRIVE
KRONENWETTER, WISCONSIN 54465
(715)574-3868
mmackey@kronenwetter.org

ENGINEER / DESIGNER:
ROTH PROFESSIONAL SOLUTIONS
ROBERT J. ROTH, PE
315 DEWITT, ST.
PORTAGE, WI 53901
(608)571-3205
robert@rpsprofessionalsolutions.com

PUBLIC WORKS CREW LEADER:
BRAD JACOBSON
VILLAGE OF KRONENWETTER
1582 KRONENWETTER DRIVE
KRONENWETTER, WISCONSIN 54465
(715)574-3868
bjacobson@kronenwetter.org

ELECTRIC & GAS:
WISCONSIN PUBLIC SERVICE (WPS)
P.O. BOX 19001
GREENBAY WI. 54307-9001
(800)242-9772
newserviceinstallation@wisconsinpublicservice.com

CABLE/TELEPHONE:
SPECTRUM BUSINESS
SPECTRUM OF WISCONSIN

APPLICABLE CODES:
ZONING ORDINANCE, CHAPTER 485
WDNR EROSION CONTROL=NR 216
WDNR SANITARY SEWERS=NR110
WDNR WATER = NR811
VILLAGE WATER & SEWER, CHAPTER 508
VILLAGE STREETS, CHAPTER 454
EROSION CONTROL, CHAPTER 270
NEC 2017
ELECTRICAL SPS=316
INTERNATIONAL FUEL GAS CODE= IFGC2015

Section 5, Item F.



TITLE SHEET
 KRONENWETTER DRIVE NORTH
 TID #2 BOUNDARY TO KOWALSKI ROAD
 VILLAGE OF KRONENWETTER, MARATHON COUNTY, WISCONSIN

PRELIMINARY
NOT FOR CONSTRUCTION
50% SET 07/31/24



SCALE: 1" = FEET
(PRINTED AT 11"x17")

PROJECT NO: 2024-020 (D)

DATE: 12/15/23

DESIGNED BY: RJR

DRAWN BY: WAC

SHEET: 11

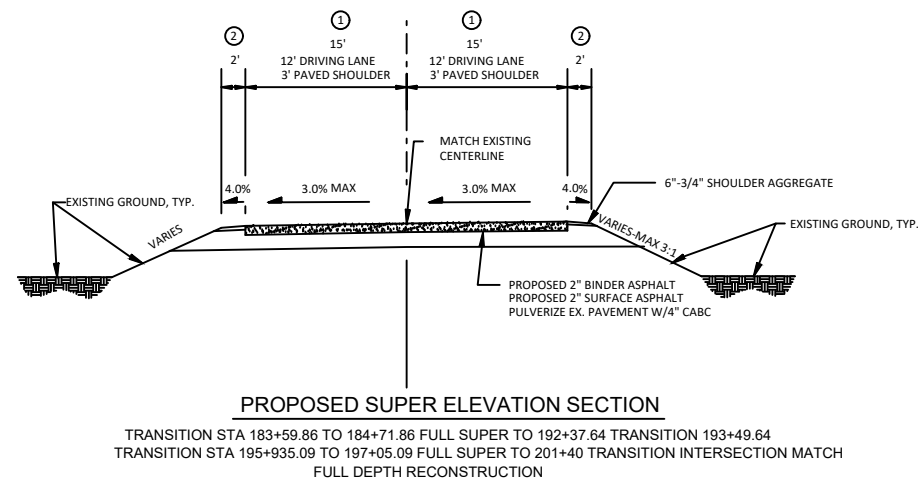
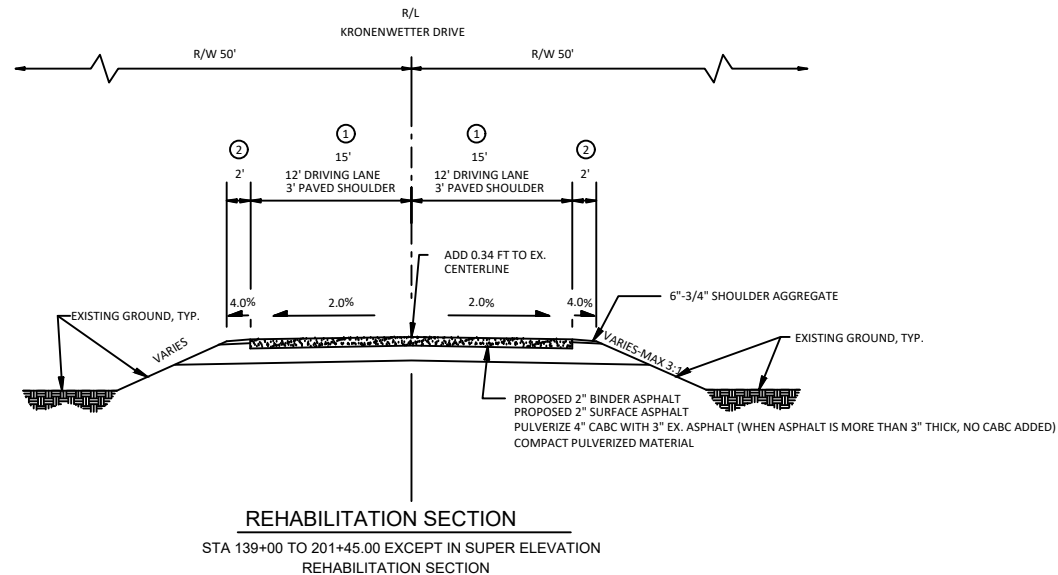
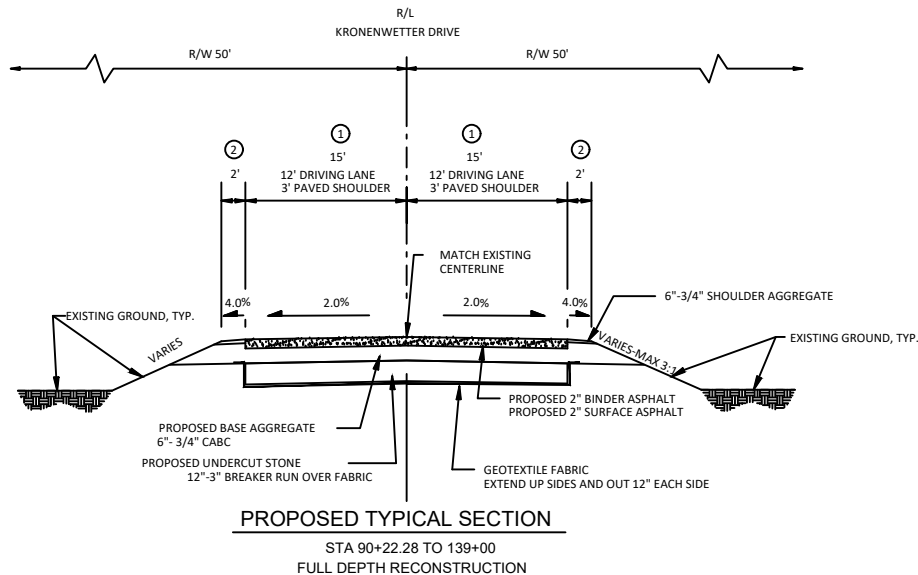
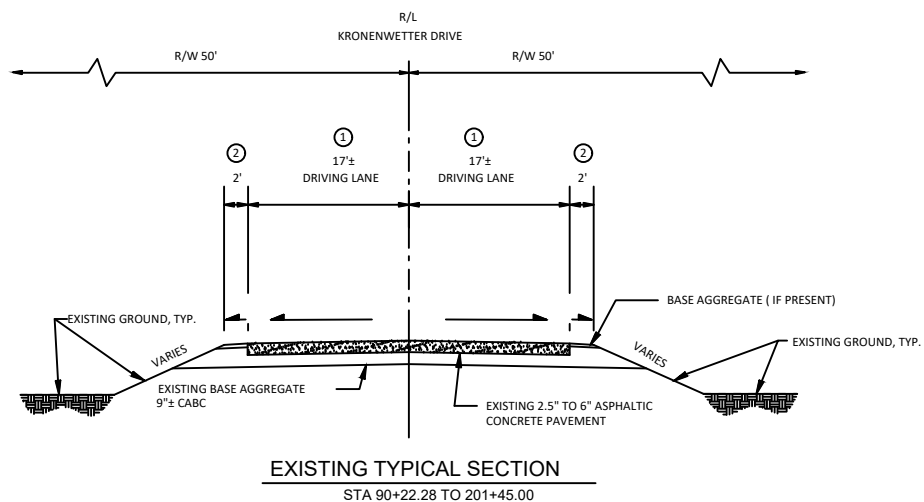


STANDARD ABBREVIATIONS

ABUT.	Abutment	JT	Joint	SEC	Section
AC	Acre	JCT	Junction	SHLDR	Shoulder
AGG.	Aggregate	LHF	Left-Hand Forward	SHR	SHRINKAGE
AH	Ahead	L	Length of Curve	SW	Sidewalk
<	Angle	LIN FT OR LF	Linear Foot	S	South
ASPH	Asphaltic	LC	Long Chord of Curve	SQ	Square
AVG.	Average	MH	Manhole	SF OR SQ FT	Square Feet
A.D.T	Average Daily Traffic	MB	Mailbox	SY or SQ YD	Square Yard
BAD	Base Aggregate Dense	ML OR M/L	Match Line	STD	Standard
BK	Back	N	North	SDD	Standard Detail Drawings
BF	Back Face	Y	North Grid Coordinate	STH	State Trunk Highway
B.M.	Bench Mark	OD	Outside Diameter	STA	Station
BR.	Bridge	PLE	Permanent Limited Easement	SS	Storm Sewer
C/L	Center Line	PT	Point	SG	Subgrade
CC	Center to Center	PC	Point of Curvature	SE	Superelevation
CTH	County Trunk Highway	PI	Point of Intersection	SL or S/L	Survey Line
CR.	Creek	PRC	Point of Reverse Curvature	SV	Septic Vent
CY or CU YD	Cubic Yard	PT	Point of Tangency	T	Tangent
CP	Culvert Pipe	POC	Point on Curve	TEL	Telephone
C & G	Curb and Gutter	PVC	Polyvinyl Chloride	TEMP	Temporary
D	Degree of Curve	PCC	Portland Cement Concrete	TI	Temporary Interest
DHV	Design Hour Volume	LB	Pound	t	Ton
DIA	Diameter	PSI	Pounds Per Square Inch	T or TN	Town
E	East	PE	Private Entrance	TRANS	Transition
X	East Grid Coordinate	R	Radius	TL OR T/L	Transit Line
ELEC	Electric	RR	Railroad	T	Trucks (percent of)
EL OR ELEV	Elevation	RL OR R/L	Reference Line	TYP	Typical
ESALS	Equivalent Single Axle Loads	RP	Reference Point	UNCL	Unclassified
EBS	Excavation Below Subgrade	RCCP	Reinforced Concrete Culvert Pipe	UG	Underground Cable
FF	Face to Face	REQD	Required	USH	United States Highway
FE	Field Entrance	RES	Residence or Residential	VAR	Variable
F	Fill	RW	Retaining Wall	V	Velocity or Design Speed
FG	Finished Grade	RT	Right	VERT	Vertical
FL or F/L	Flow Line	RHF	Right-Hand Forward	VC	Vertical Curve
FT	Foot	R/W	Right-of-Way	VOL	Volume
FTG	Footing	R	River	WM	Water Main
GN	Grid North	RD	Road	WV	Water Valve
HT	Height	RDWY	Roadway	W	West
CWT	Hundredweight	SALV	Salvaged	WB	Westbound
HYD	Hydrant	SAN S	Sanitary Sewer	YD	Yard
INL	Inlet	ID	Inside Diameter	INV	Invert
IP	Iron Pipe or Pin	IRS	Iron Rod Set		

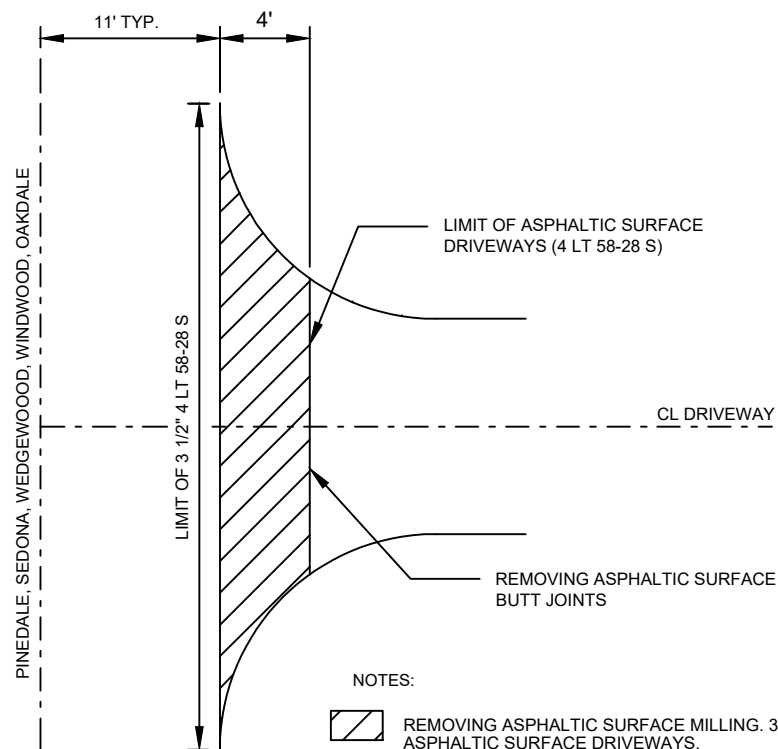
PROJECT NO: 2024-020 (S) & (N)	HWY: KRONENWETTER DR.	COUNTY: MARATHON	GENERAL NOTES	SHEET	E
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KRONENWETTER DRIVE (NORTH) TID BOUNDARY TO KOWALSKI RD



PAVED DRIVEWAYS

PINEDALE, SEDONA, WEDGEWOOD,
WINDWOOD, OAKDALE



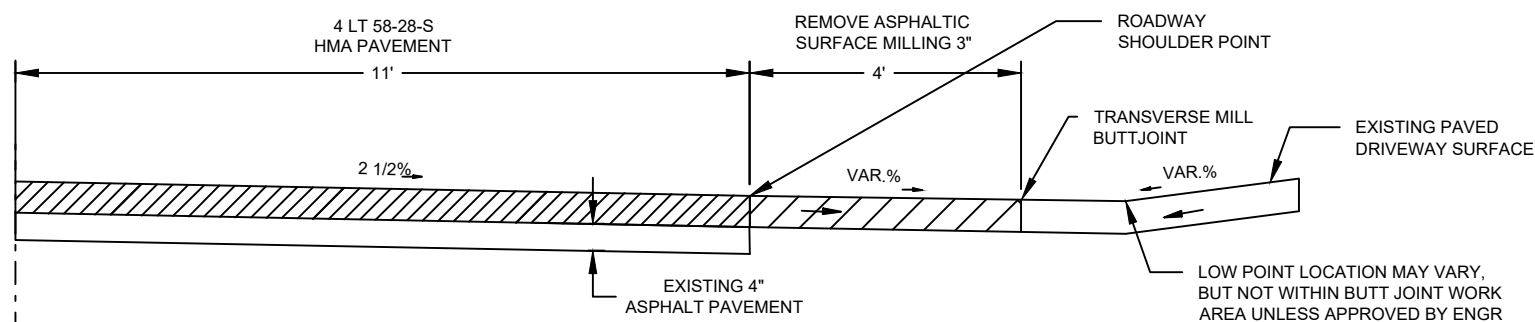
NOTES:

REMOVING ASPHALTIC SURFACE MILLING. 3\"/> ASPHALTIC SURFACE DRIVEWAYS.

MATCH EXISTING PAVED SURFACE RADII AND TAPERS.

PAVED DRIVEWAY SECTION

PINEDALE, SEDONA, WEDGEWOOD,
WINDWOOD, OAKDALE



NOTES:

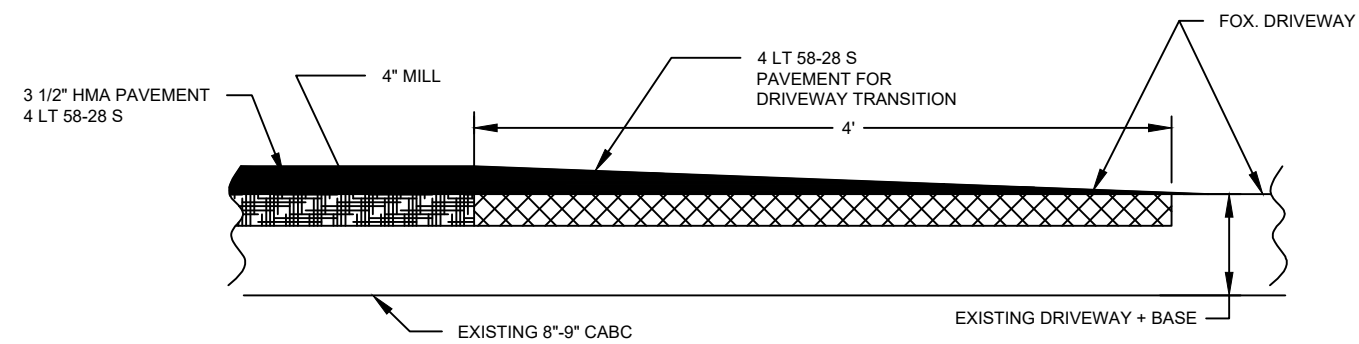
MILL AND OVERLAY 4\"/> HMA PAVEMENT 4 LT 58-28 S (ROADWAY)

MILL BUTT JOINT WITH NEW 3\"/> HMA PAVEMENT 4 LT 58-28 S (DRIVEWAY TRANSITION)

EXISTING 4\"/> PAVEMENT SUBSURFACE (TO REMAIN)

NOTIFY ENGINEER IF DRIVEWAY IS ABOVE SHOULDER POINT

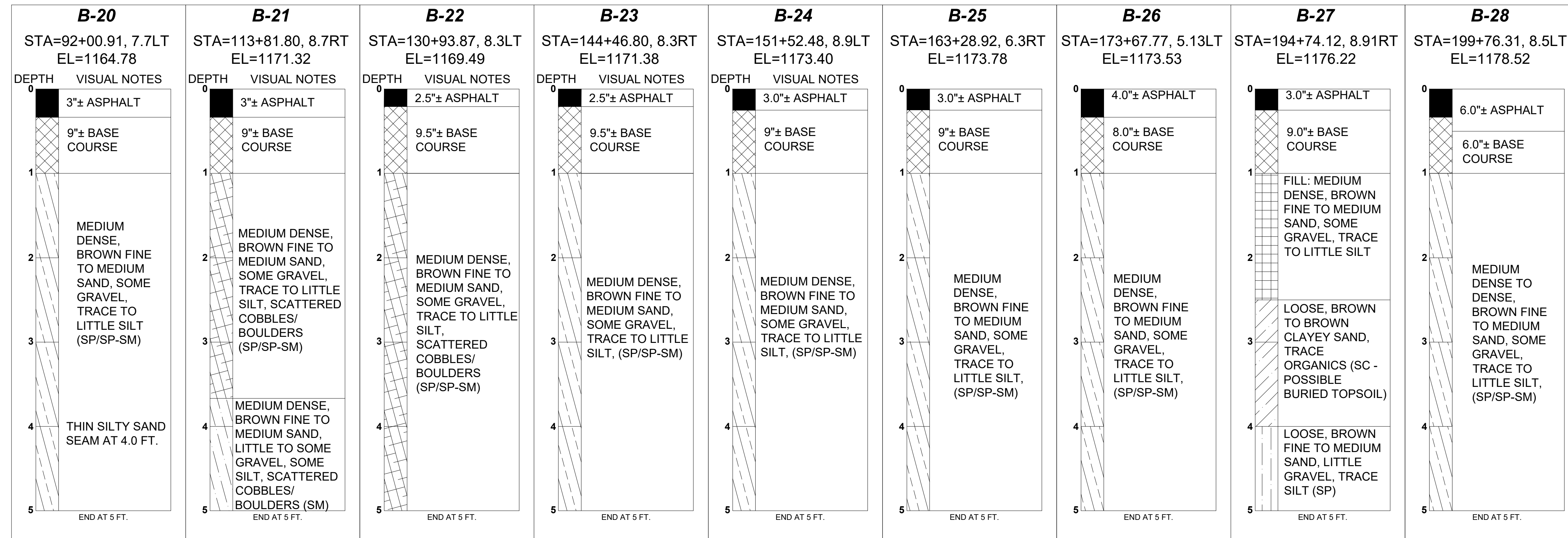
TRANSVERSE BUTT JOINT

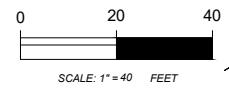


NOTES:

REMOVING ASPHALT SURFACE BUTT JOINTS, PINEDALE, SEDONA, WEDGEWOOD, WINDWOOD + OAKDALE

KRONENWETTER DRIVE - NORTH

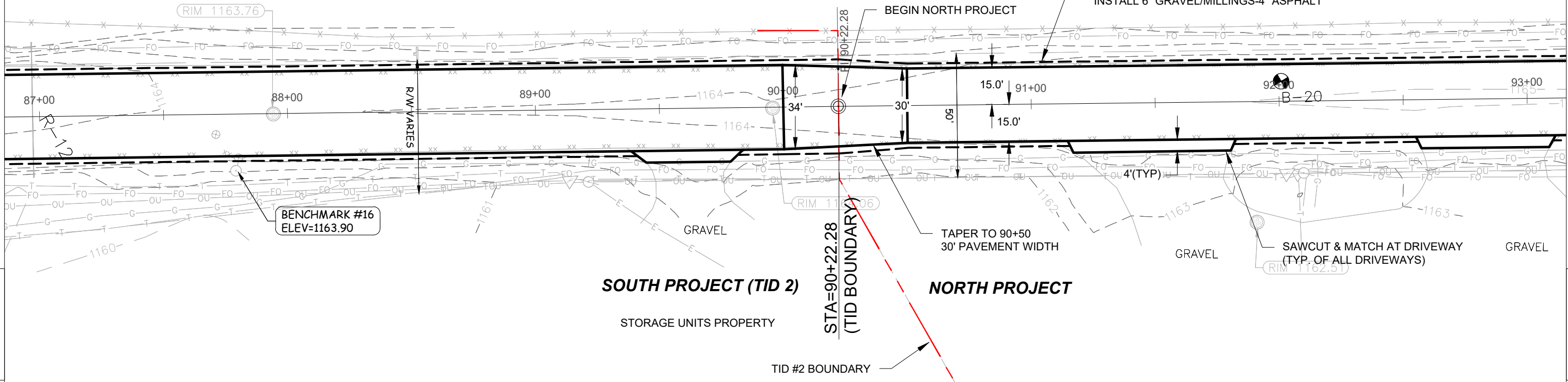




SOUTH PROJECT (TID 2)

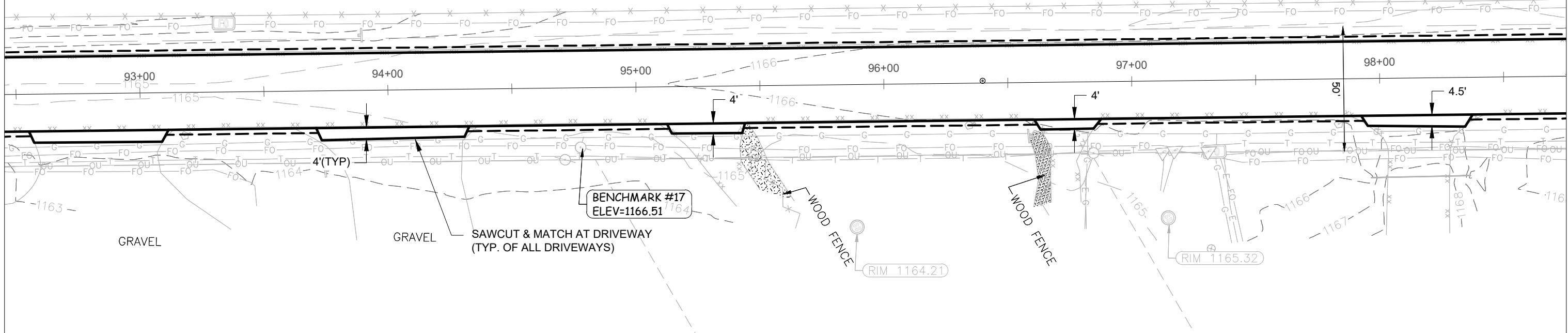
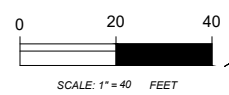
NORTH PROJECT

MILL/PULVERIZE EXISTING PAVEMENT
APPLY 12" OF BREAKER RUN OVER FABRIC
INSTALL 6" GRAVEL/MILLINGS-4" ASPHALT

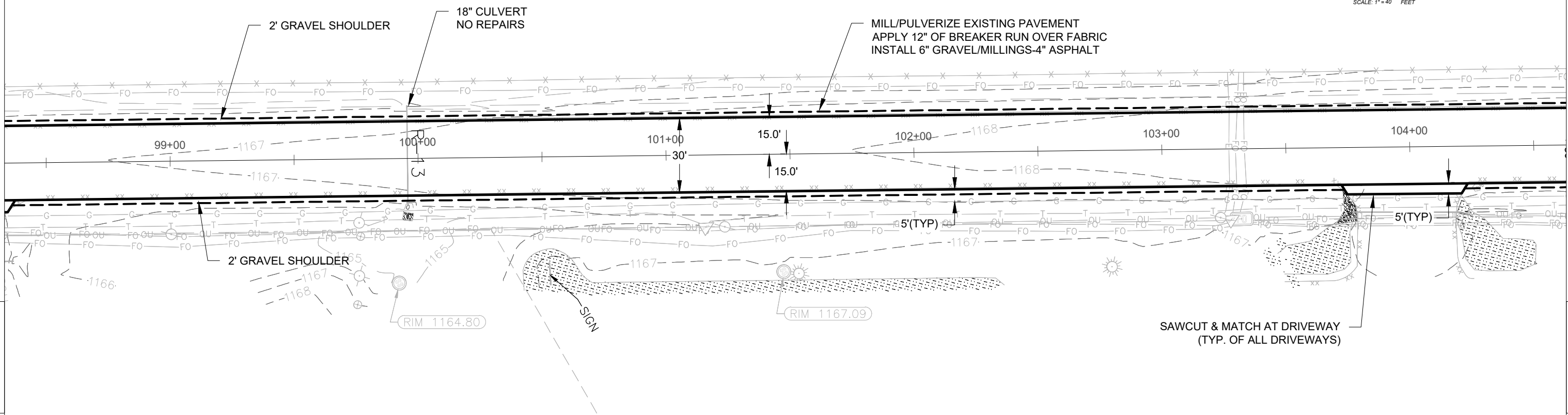
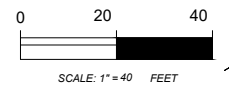


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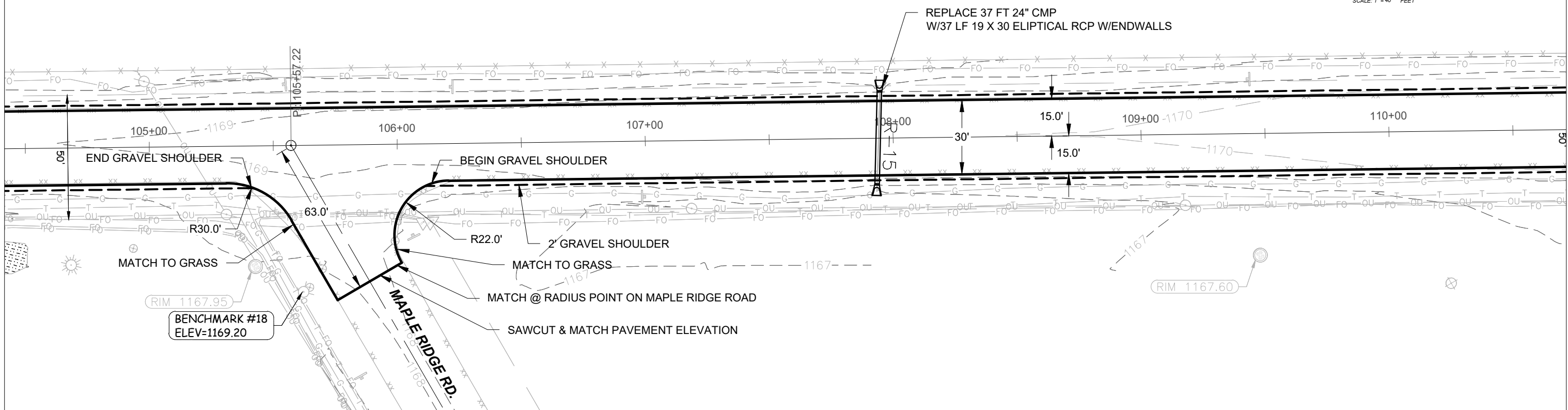
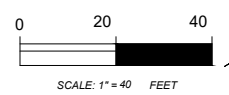


PROJECT NO: 2024-020-(D) NORTH	HWY: KRONENWETTER DRIVE	COUNTY: MARATHON	PLAN	SHEET
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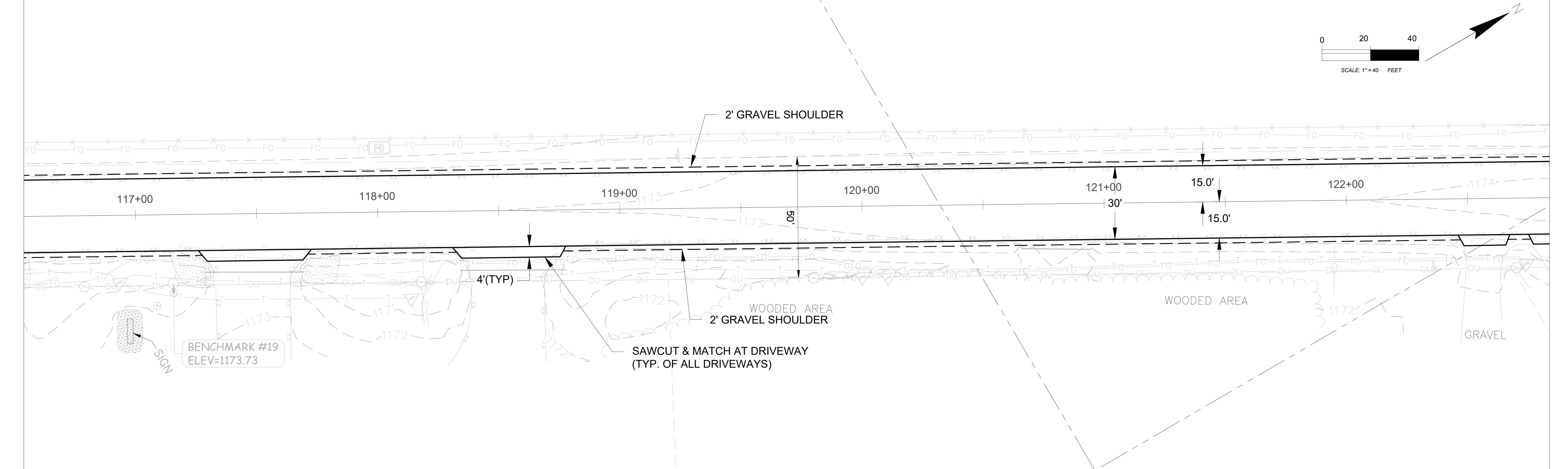
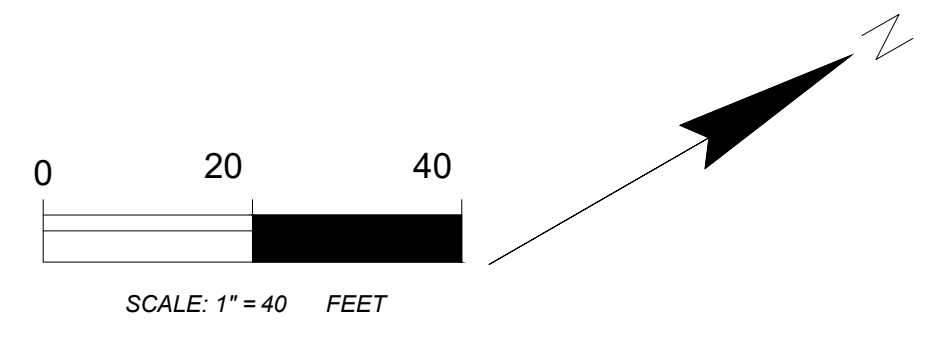
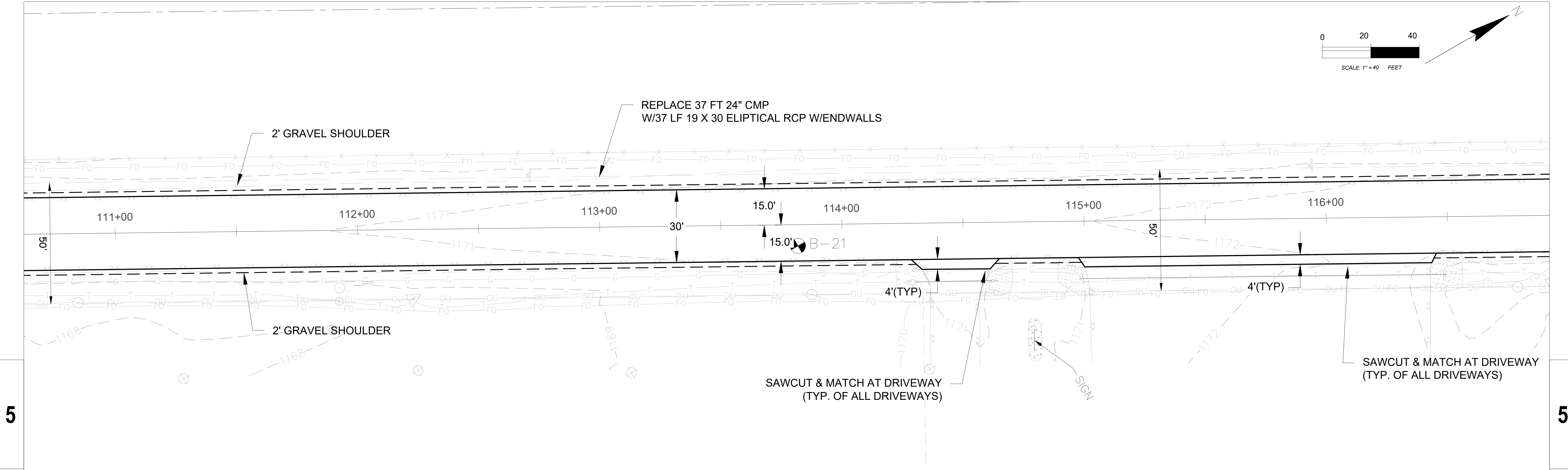
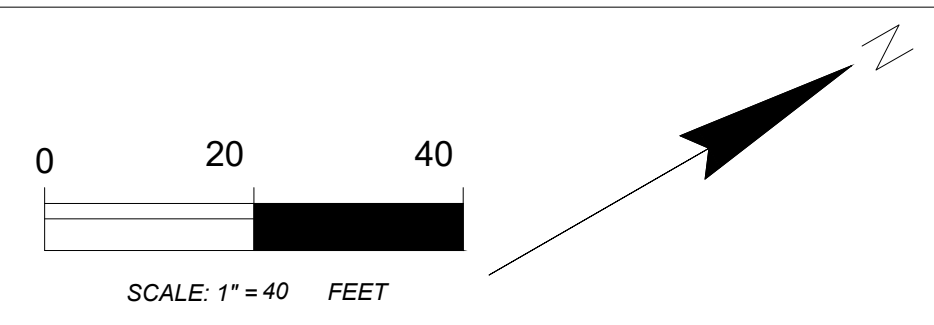


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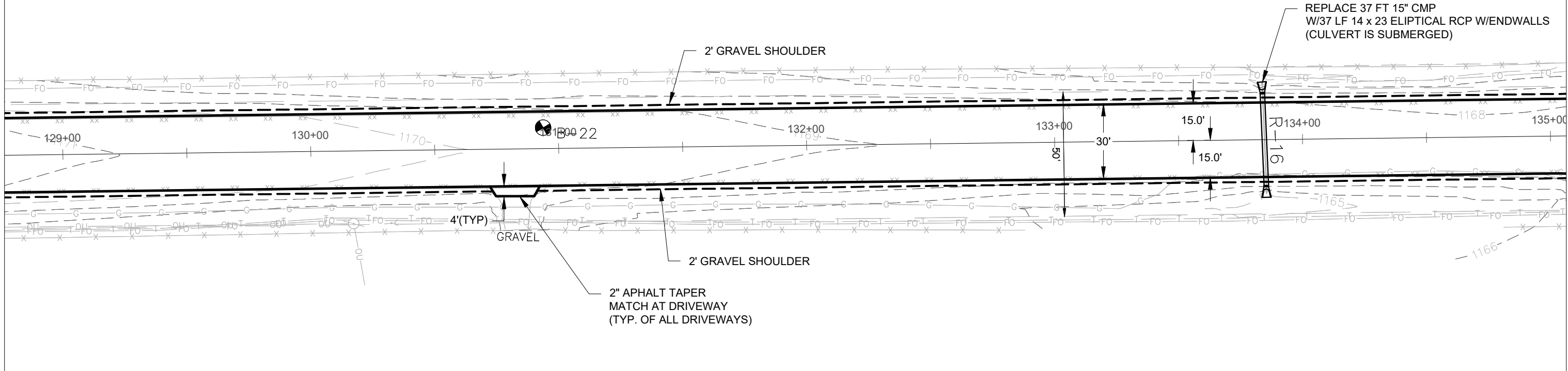
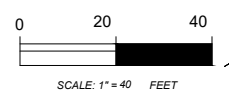
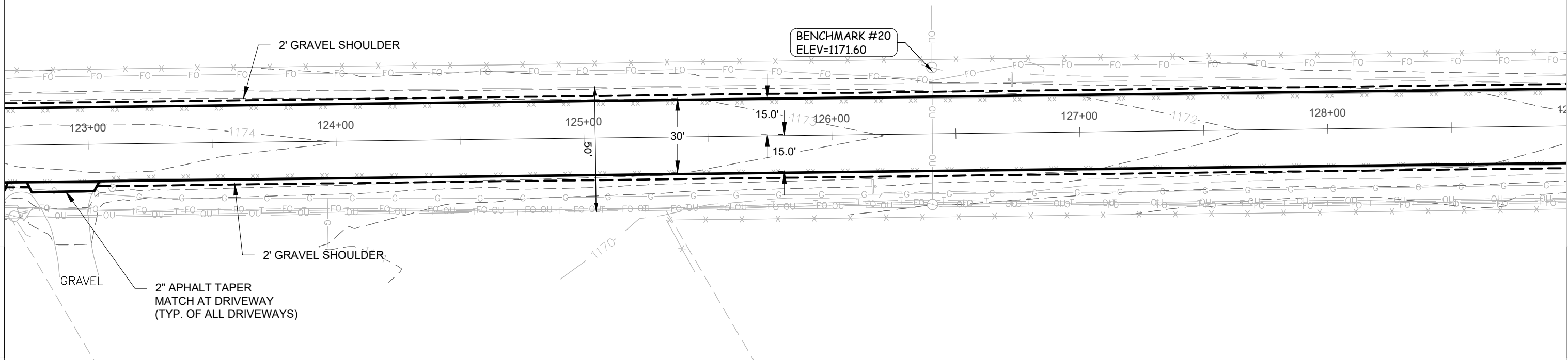
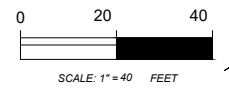
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PROJECT NO: 2024-020-(D) NORTH	HWY: KRONENWETTER DRIVE	COUNTY: MARATHON	PLAN	SHEET
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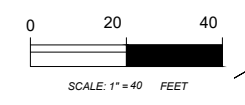
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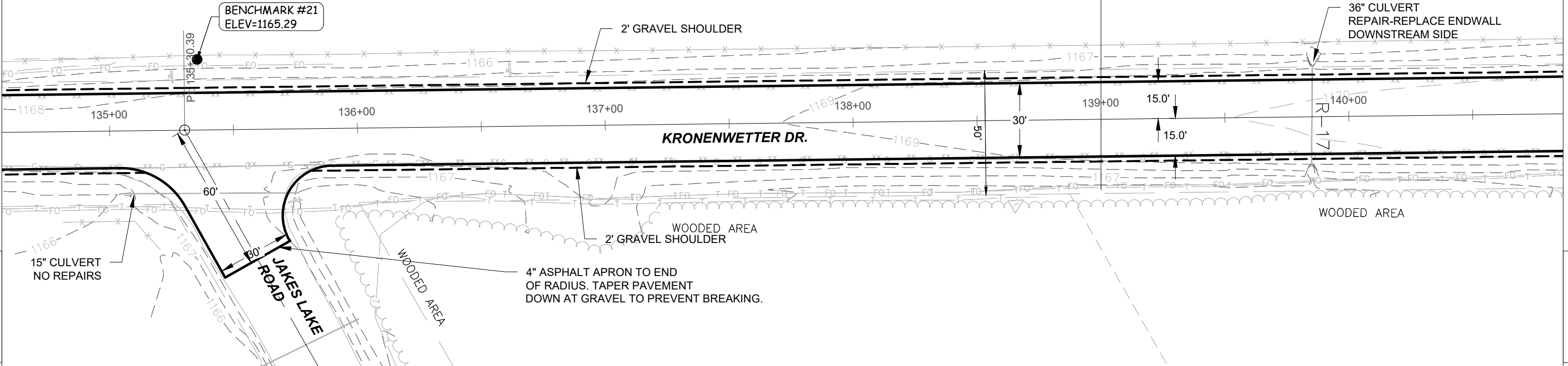
SEE PLAN & PROFILE SHEET FOR ELEVATION CHANGE IN THIS AREA FOR KRONENWETTER DR.

FULL RECONSTRUCTION
 4" ASPHALT
 6" CABG
 12" BREAKER
 GEOFABRIC

REHABILITATION
 PULVERIZE 4"-3/4" CABG
 WITH EX. PAVEMENT & BASE
 SHAPE & COMPACT
 ADD 4" ASPHALT

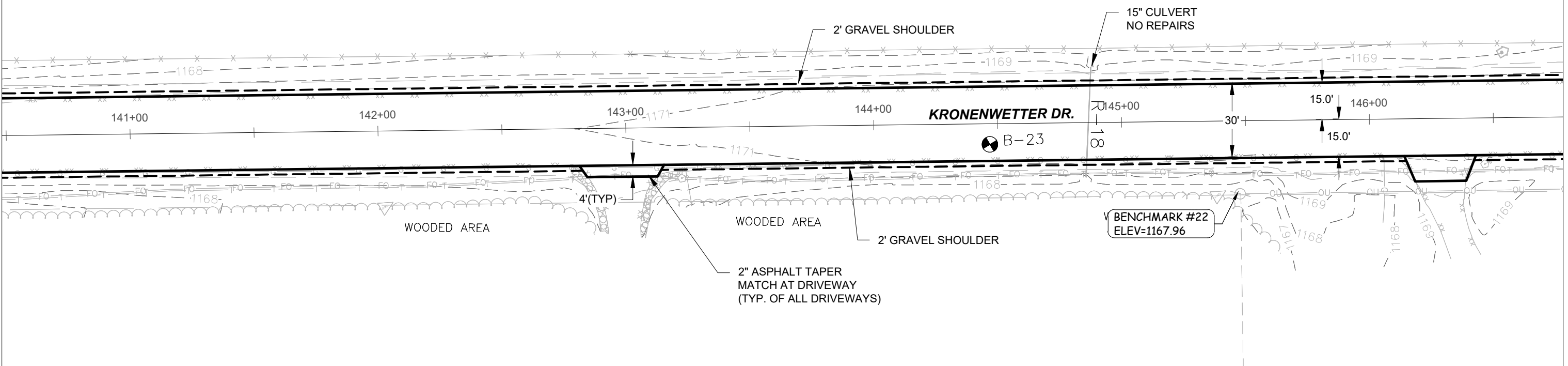
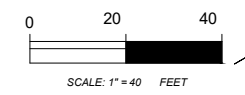


BENCHMARK #21
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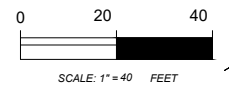


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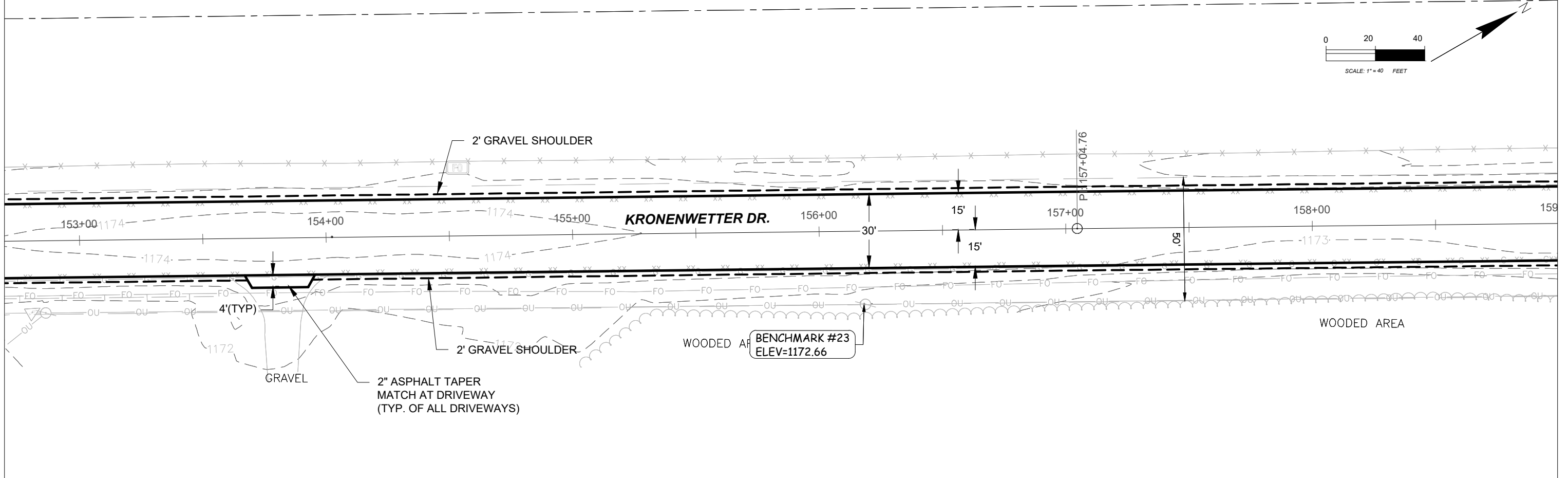
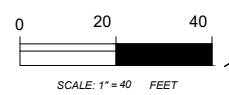
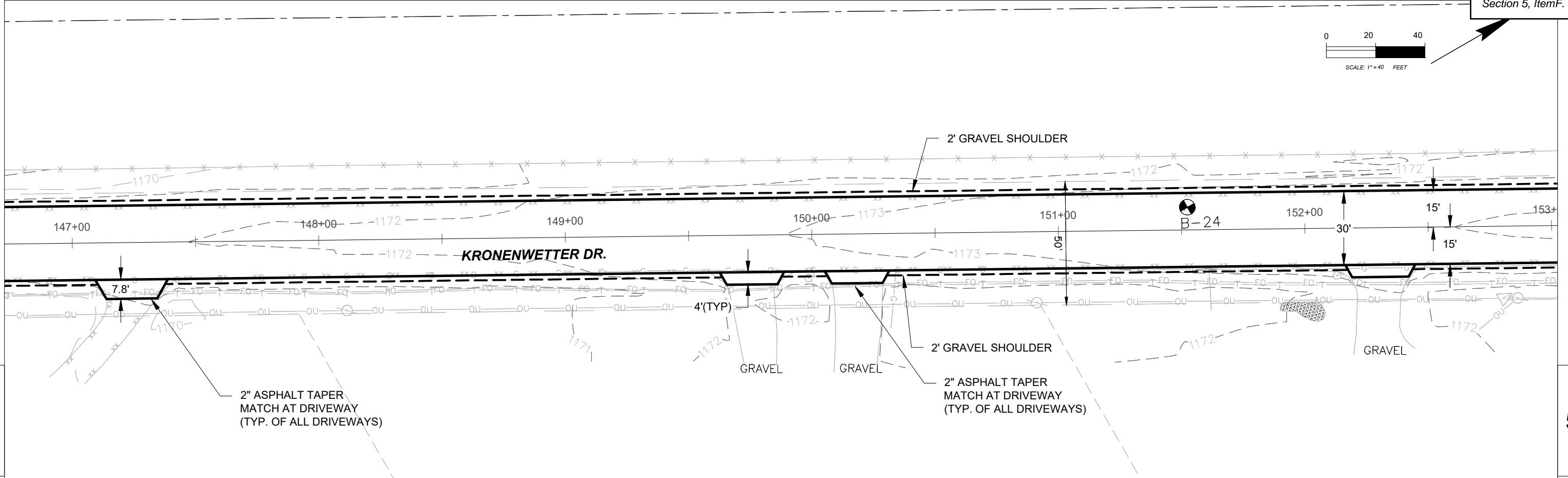


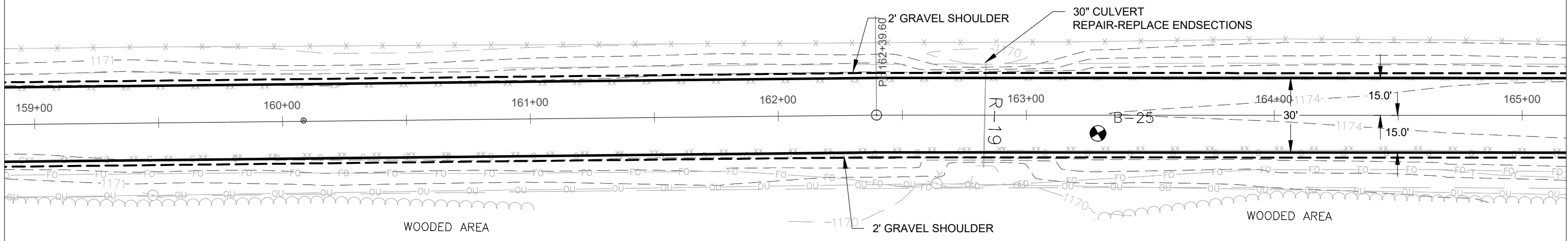
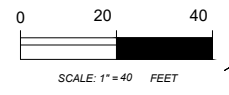
PROJECT NO: 2024-020-(D) NORTH	HWY: KRONENWETTER DRIVE	COUNTY: MARATHON	PLAN	SHEET	E
FILE NAME : F:\1 PROJECT FILES 2024\2024-020 (C) PHASE A-SOUTH-(D) PHASE B-NORTH ROADS\D) PHASE B-NORTH\020-D-NORTH ROADS.DWG	LAYOUT NAME - PLAN 2.8	PLOT DATE : 7/31/2024 3:37 PM	PLOT BY : WAYNE CASPER	PLOT NAME : PLAN 2.8	PLOT SCALE : 1" = 40'



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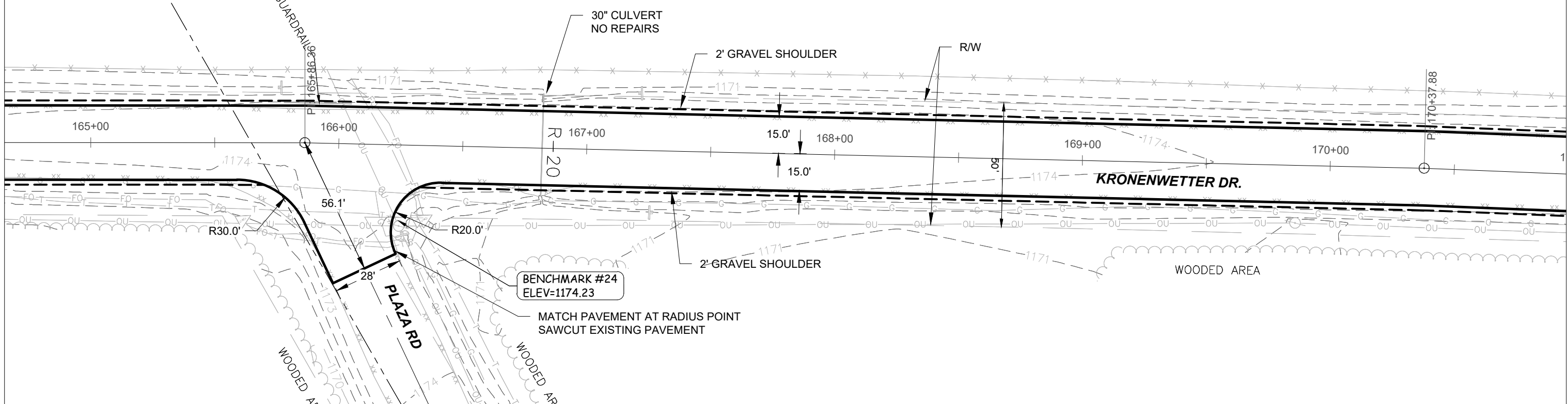
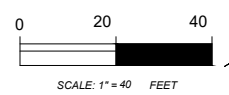
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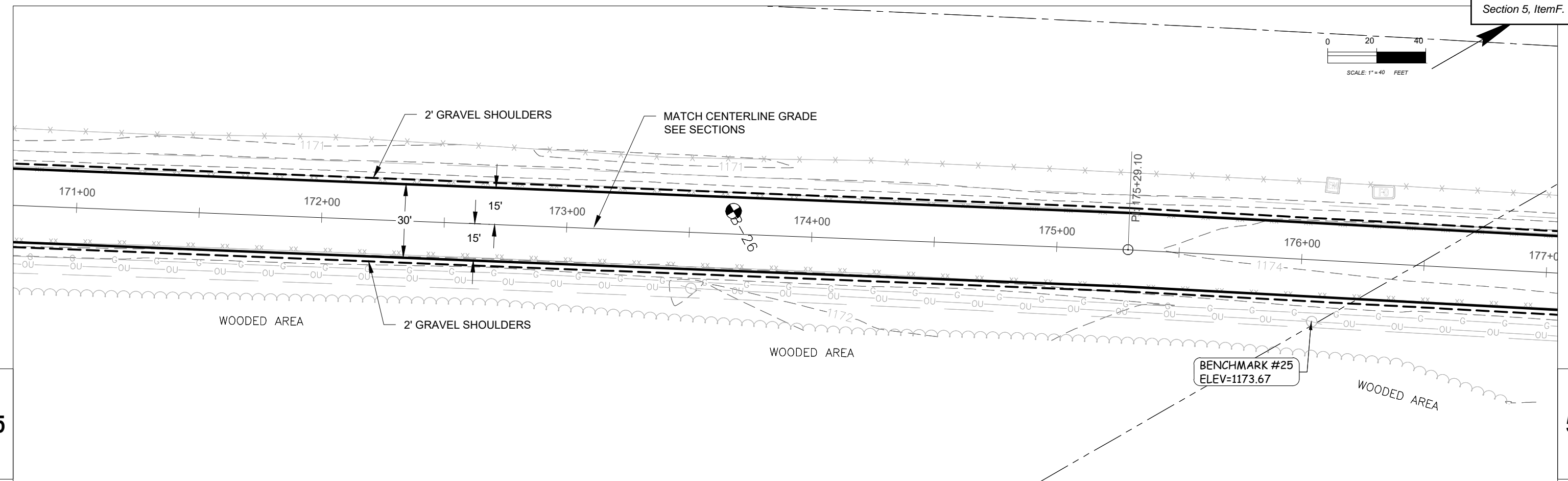
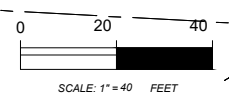


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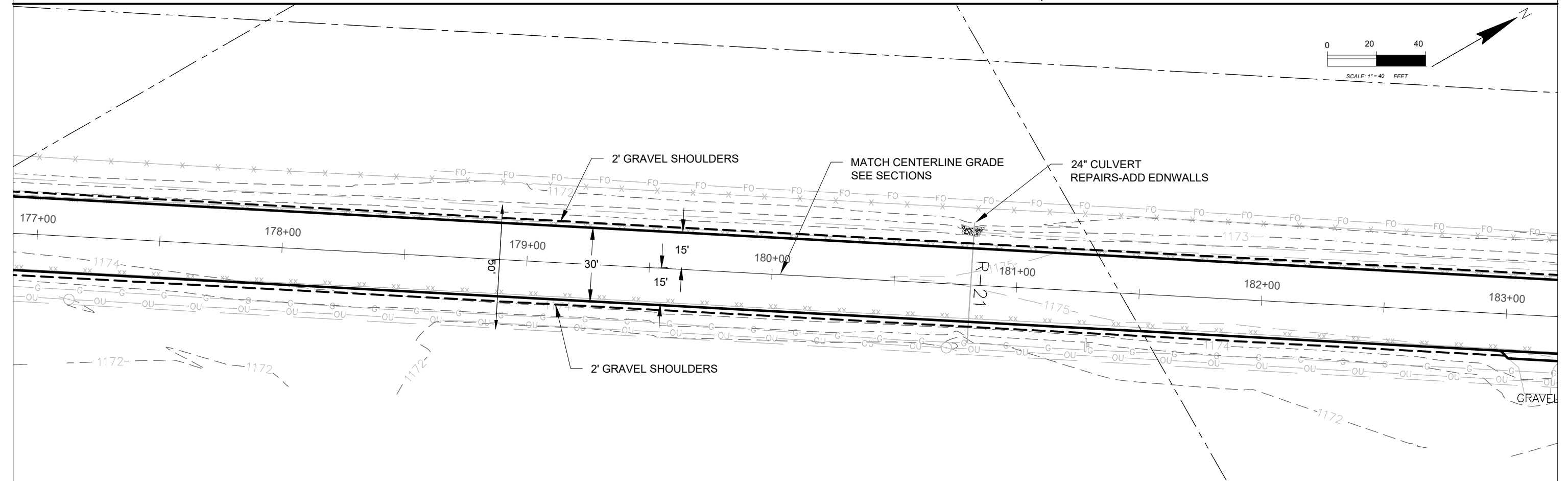
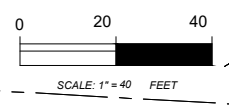


PROJECT NO: 2024-020-(D) NORTH	HWY: KRONENWETTER DRIVE	COUNTY: MARATHON	PLAN	SHEET
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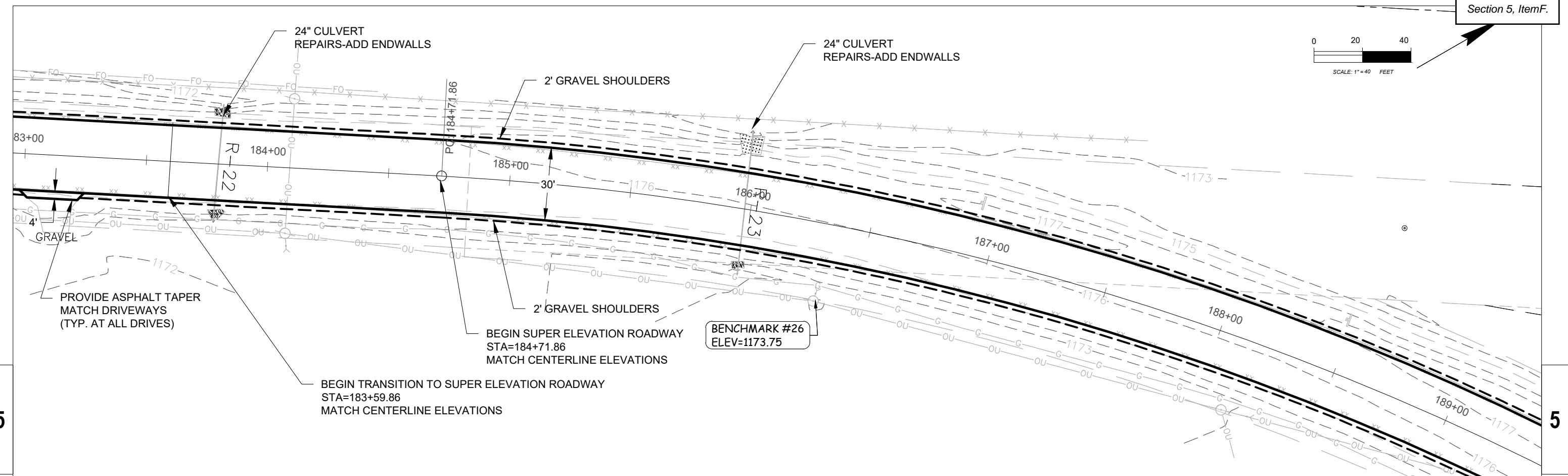
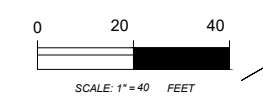


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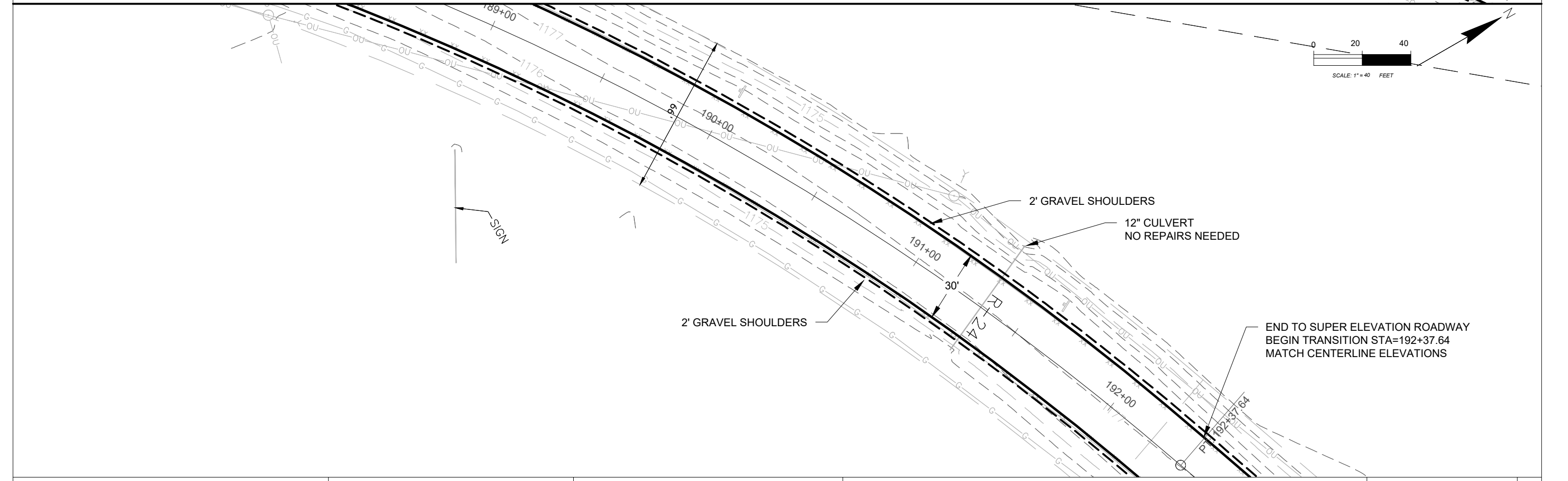
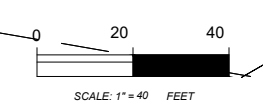


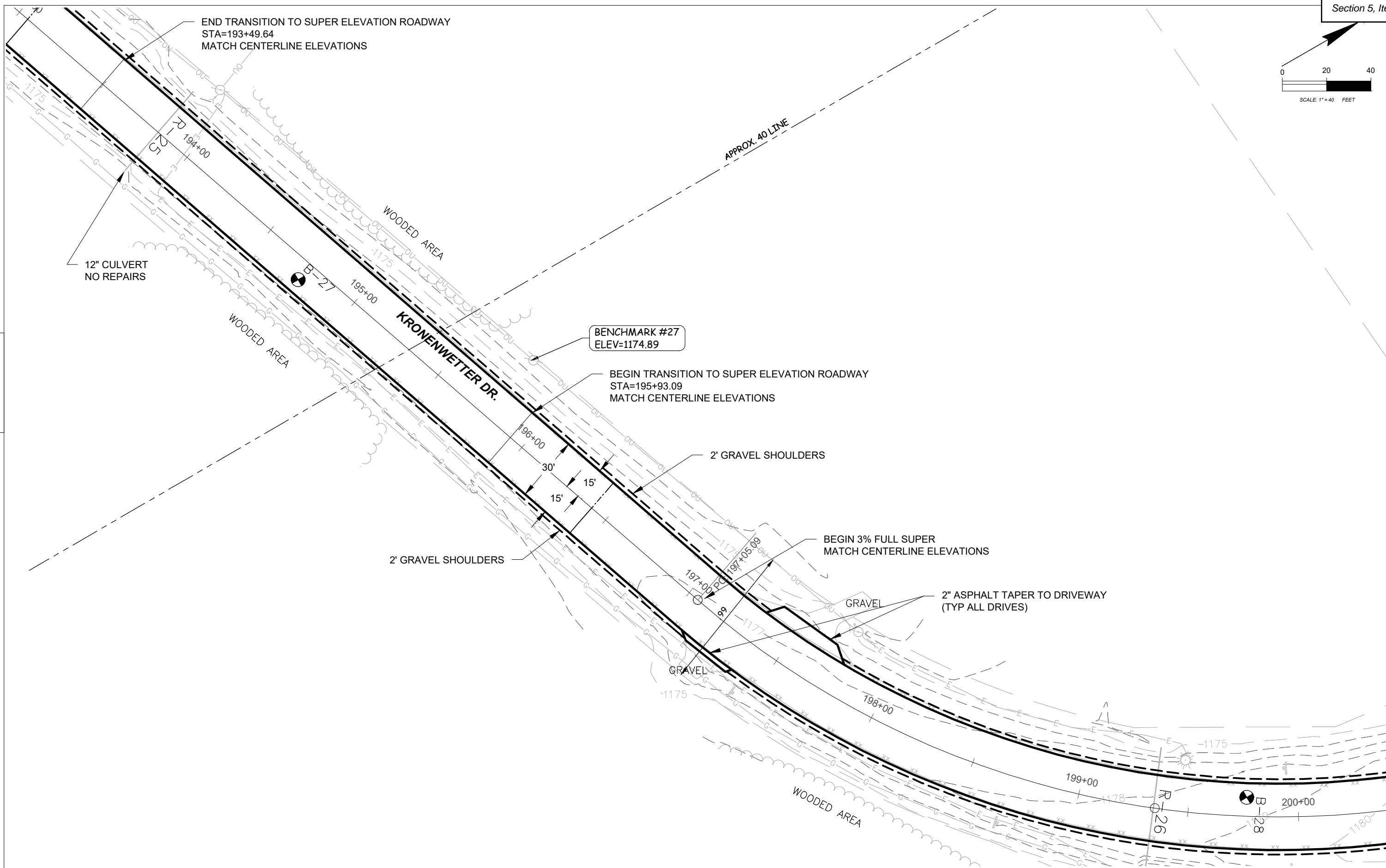
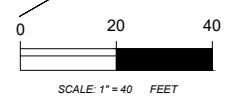
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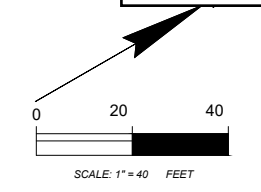




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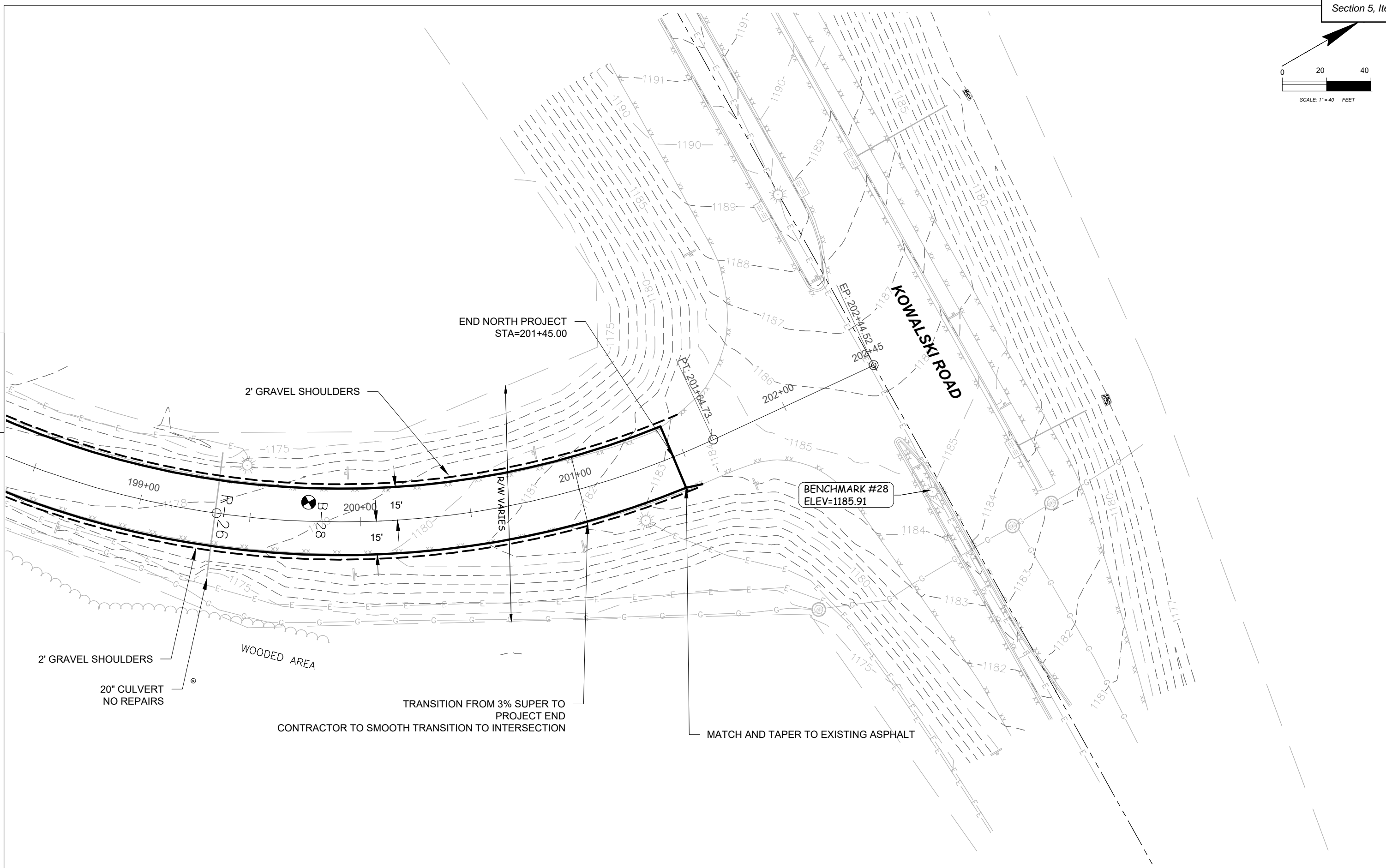
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PROJECT NO: 2024-020 (D) NORTH	HWY: KRONENWETTER DRIVE	COUNTY: MARATHON	PLAN	SHEET
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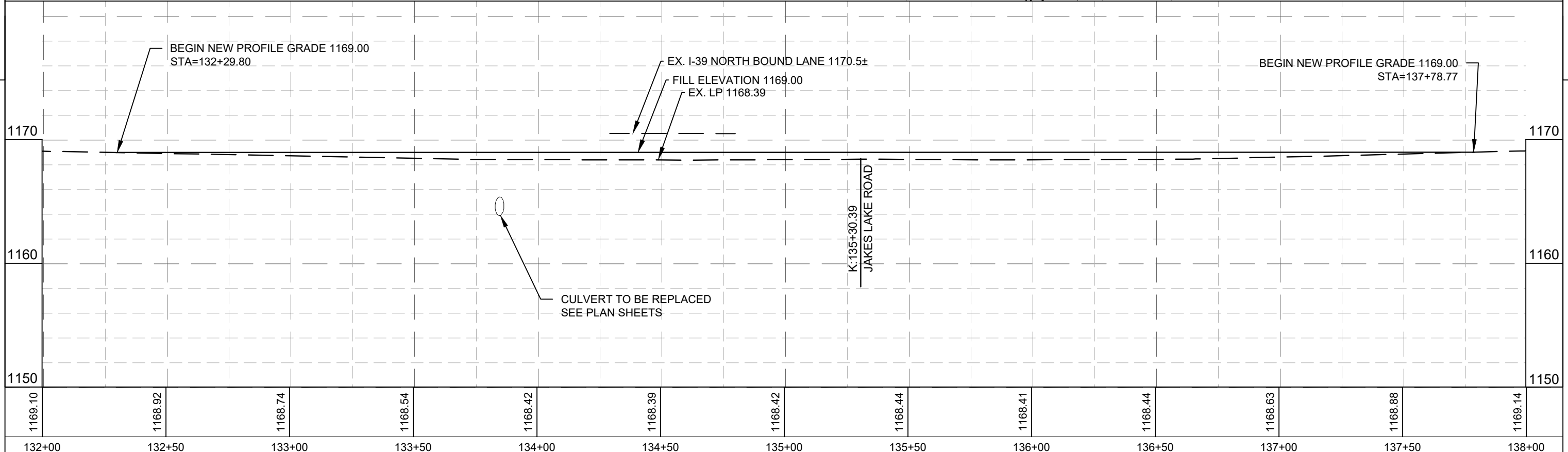
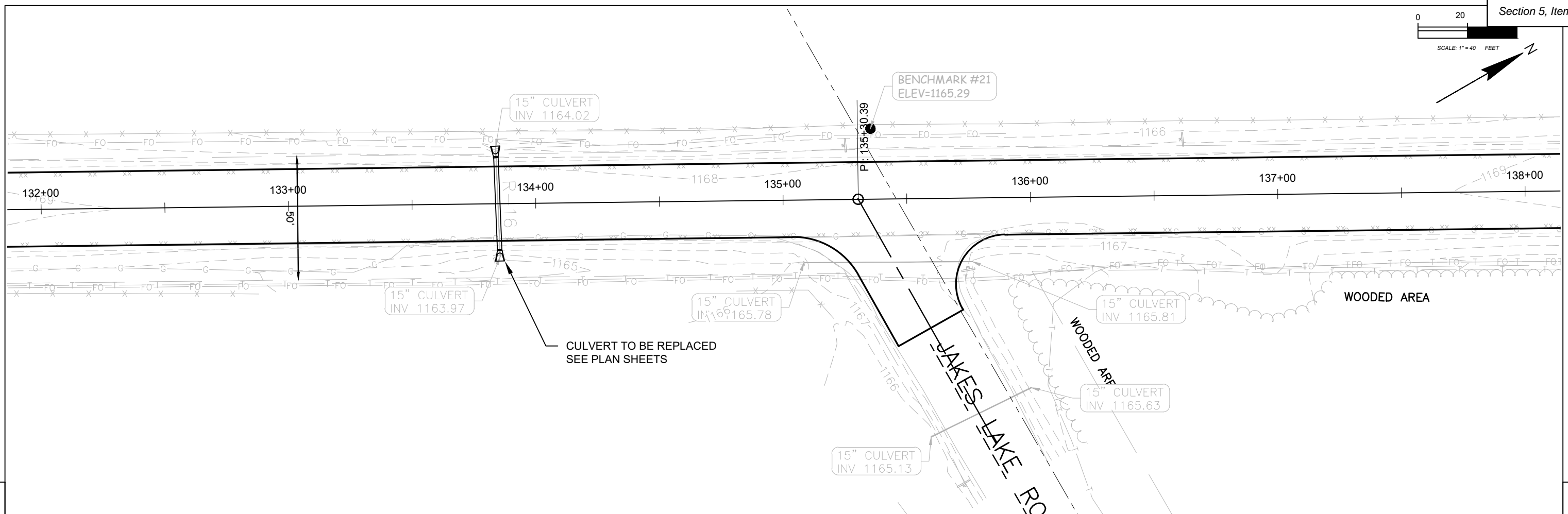
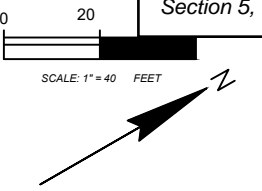


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PROJECT NO: 2024-020 (D) NORTH	HWY: KRONENWETTER DRIVE	COUNTY: MARATHON	PLAN	SHEET
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1169.10	1168.92	1168.74	1168.54	1168.42	1168.39	1168.42	1168.44	1168.41	1168.44	1168.63	1168.88	1169.14
132+00	132+50	133+00	133+50	134+00	134+50	135+00	135+50	136+00	136+50	137+00	137+50	138+00

PROJECT NO: 2024-020 (D) NORTH HWY: KRONENWETTER DRIVE COUNTY: MARATHON PLAN & PROFILE SHEET E

August 1, 2024

2024 PRELIMINARY FINANCING PLAN:

Village of Kronenwetter, WI

2024 Street and Sewerage System Projects



Prepared by:

Ehlers
N19W24400 Riverwood Drive,
Suite 100
Waukesha, WI 53188

Advisors:

Brian Roemer
Senior Municipal Advisor
Ariana Schmidt
Financial Specialist

BUILDING COMMUNITIES. IT'S WHAT WE DO.

Table 1 Existing G.O. Debt Base Case

Village of Kronenwetter, WI

Year Ending	Existing Debt								Year Ending
	Total G.O. Debt Payments	Less: TID #4	Less: TID #1	Net Debt Service Tax Levy	Change from prior year DS tax levy	Equalized Value (TID OUT)	Tax Rate Per \$1,000	Annual Taxes \$325,000 Home	
2023	1,173,725	(197,600)	(257,850)	700,000		727,900,700	\$0.96	\$312.54	2023
2024	1,196,028	(201,200)	(262,400)	732,428	32,428	808,175,800	\$0.91	\$294.54	2024
2025	1,192,953	(199,500)	(256,700)	736,753	4,325	843,939,433	\$0.87	\$283.72	2025
2026	1,193,653	(197,600)	(261,050)	735,003	(1,750)	881,285,688	\$0.83	\$271.05	2026
2027	1,173,428	(200,400)	(260,050)	712,978	(22,025)	920,284,601	\$0.77	\$251.79	2027
2028	1,149,703	(199,800)	(258,900)	691,003	(21,975)	961,009,305	\$0.72	\$233.69	2028
2029	553,478	(200,950)	(262,500)	90,028	(600,975)	1,003,536,170	\$0.09	\$29.16	2029
2030	399,428	(202,000)	0	197,428	107,400	1,047,944,947	\$0.19	\$61.23	2030
2031	198,728	0	0	198,728	1,300	1,094,318,915	\$0.18	\$59.02	2031
2032	194,928			194,928	(3,800)	1,142,745,036	\$0.17	\$55.44	2032
2033	196,028			196,028	1,100	1,193,314,125	\$0.16	\$53.39	2033
2034	102,000			102,000	(94,028)	1,246,121,011	\$0.08	\$26.60	2034
2035	0			0	(102,000)	1,301,264,724	\$0.00	\$0.00	2035
Total	7,550,353	(1,401,450)	(1,561,600)	4,587,303					Total

Notes:

Legend:


 Represents +/- 25% Change over previous year

Table 2 Capital Improvement Plan & Funding Uses

Village of Kronenwetter, WI

Projects	Purpose/Dept.	Plan Issue	Funding	2024	Totals
Lift Station and Force Main	TID 2	2024 G.O. Notes	G.O. Debt	1,857,599	1,857,599
Kronenwetter Drive TID 2	TID 2	2024 G.O. Notes	G.O. Debt	2,300,000	2,300,000
Local Roads Phase I	TID 2	2024 G.O. Notes	G.O. Debt	2,100,000	2,100,000
Kronenwetter Drive North Phase	Levy	2024 G.O. Notes	G.O. Debt	2,000,000	2,000,000
Actual CIP Costs				8,257,599	8,257,599

Sources of Funding			2024	Totals
G.O. Debt			8,257,599	8,257,599
Revenue Debt			0	0
Grants/Aids			0	0
Cash			0	0
Total			8,257,599	8,257,599

Debt Obligations			2024	Totals
2024 G.O. Notes			8,257,599	8,257,599
Total			8,257,599	8,257,599

Notes:

Table 3 Capital Improvements Financing Plan

Village of Kronenwetter, WI

	2024		
	G.O. Notes	TID 2 Portion	Levy Portion
CIP Projects¹			
Lift Station and Force Main	1,857,599	1,857,599	
Kronenwetter Drive TID 2	2,300,000	2,300,000	
Local Roads Phase I	2,100,000	2,100,000	
Kronenwetter Drive North Phase	2,000,000		2,000,000
Subtotal Project Costs	8,257,599	6,257,599	2,000,000
CIP Projects¹	8,257,599	6,257,599	2,000,000
Estimated Issuance Expenses	198,688	150,524	48,163
Municipal Advisor (Ehlers)	47,900	36,289	11,611
Bond Counsel	25,000	18,940	6,060
Rating Fee	20,000	15,152	4,848
Maximum Underwriter's Discount	12.50 104,938	79,500	25,438
Paying Agent	850	644	206
Subtotal Issuance Expenses	198,688	150,524	48,163
TOTAL TO BE FINANCED	8,456,287	6,408,123	2,048,163
Estimated Interest Earnings	3.00% (61,932)	(46,932)	(15,000)
Assumed spend down (months)	3.00		
Rounding	645	(1,191)	1,837
NET BOND SIZE	8,395,000	6,360,000	2,035,000

Notes:

1) Project Total Estimates furnished from Village.

Table 4 Allocation of Debt Service - 2024 G.O. Notes

Village of Kronenwetter, WI

Year Ending	TID 2 Portion				Levy Portion				Year Ending	Totals		
	Principal	Est. Rate ¹	Interest	Total	Principal	Est. Rate	Interest	Total		Principal (4/1)	Interest	Total
2024				0				0	2024	0	0	0
2025	555,000	3.56%	193,469	748,469	0	3.56%	65,164	65,164	2025	555,000	258,634	813,634
2026	560,000	3.53%	191,523	751,523	0	3.53%	70,874	70,874	2026	560,000	262,396	822,396
2027	580,000	3.48%	171,547	751,547	20,000	3.48%	70,526	90,526	2027	600,000	242,072	842,072
2028	600,000	3.45%	151,105	751,105	40,000	3.45%	69,488	109,488	2028	640,000	220,592	860,592
2029	620,000	3.45%	130,060	750,060	440,000	3.45%	61,208	501,208	2029	1,060,000	191,267	1,251,267
2030	640,000	3.45%	108,325	748,325	345,000	3.45%	47,666	392,666	2030	985,000	155,991	1,140,991
2031	665,000	3.45%	85,813	750,813	355,000	3.45%	35,591	390,591	2031	1,020,000	121,405	1,141,405
2032	690,000	3.45%	62,440	752,440	270,000	3.45%	24,810	294,810	2032	960,000	87,250	1,047,250
2033	710,000	3.47%	38,219	748,219	175,000	3.47%	17,116	192,116	2033	885,000	55,335	940,335
2034	740,000	3.50%	12,950	752,950	175,000	3.50%	11,018	186,018	2034	915,000	23,968	938,968
2035	0	3.70%	0	0	215,000	3.70%	3,978	218,978	2035	215,000	3,978	218,978
2036	0	3.70%	0	0	0	3.70%	0	0	2036	0	0	0
2037	0	3.90%	0	0	0	3.90%	0	0	2037	0	0	0
2038	0	3.90%	0	0	0	3.90%	0	0	2038	0	0	0
2039	0	4.10%	0	0	0	4.10%	0	0	2039	0	0	0
2040	0	4.10%	0	0	0	4.10%	0	0	2040	0	0	0
2041	0	4.25%	0	0	0	4.25%	0	0	2041	0	0	0
2042	0	4.25%	0	0	0	4.25%	0	0	2042	0	0	0
2043	0	4.35%	0	0	0	4.35%	0	0	2043	0	0	0
2044	0	4.35%	0	0	0	4.35%	0	0	2044	0	0	0
Total	6,360,000		1,145,448	7,505,448	2,035,000		477,437	2,512,437	Total	8,395,000	1,622,885	10,017,885

Notes:

1) Estimated Rate assumes AA- sale of 7/23/24 + .35

Table 5 Financing Plan Tax Impact

Village of Kronenwetter, WI

Year Ending	Existing Debt					Proposed Debt							Year Ending
	Net Debt Service Levy	Change From Prior Year Levy	Equalized Value (TID OUT)	Tax Rate Per \$1,000	Annual Taxes \$325,000 Home	2024 G.O. Notes 8,395,000 Dated: 10/30/2024 Total Prin. (4/1) and Int.	Abatements Less: TID 2	Debt Service Levy Total Net Debt Service Levy Levy Change from Prior Year		Taxes Total Tax Rate for Debt Service Annual Taxes \$325,000 Home Annual Taxes Difference From Existing			
2024	732,428		808,175,800	\$0.91	\$295	0	0	732,428		\$0.91	\$295	\$0	2024
2025	736,753	4,325	843,939,433	\$0.87	\$284	813,634	(748,469)	801,917	69,489	\$0.95	\$309	\$25	2025
2026	735,003	(1,750)	881,285,688	\$0.83	\$271	822,396	(751,523)	805,876	3,959	\$0.91	\$297	\$26	2026
2027	712,978	(22,025)	920,284,601	\$0.77	\$252	842,072	(751,547)	803,503	(2,373)	\$0.87	\$284	\$32	2027
2028	691,003	(21,975)	961,009,305	\$0.72	\$234	860,592	(751,105)	800,490	(3,013)	\$0.83	\$271	\$37	2028
2029	90,028	(600,975)	1,003,536,170	\$0.09	\$29	1,251,267	(750,060)	591,235	(209,255)	\$0.59	\$191	\$162	2029
2030	197,428	107,400	1,047,944,947	\$0.19	\$61	1,140,991	(748,325)	590,094	(1,141)	\$0.56	\$183	\$122	2030
2031	198,728	1,300	1,094,318,915	\$0.18	\$59	1,141,405	(750,813)	589,319	(775)	\$0.54	\$175	\$116	2031
2032	194,928	(3,800)	1,142,745,036	\$0.17	\$55	1,047,250	(752,440)	489,738	(99,581)	\$0.43	\$139	\$84	2032
2033	196,028	1,100	1,193,314,125	\$0.16	\$53	940,335	(748,219)	388,144	(101,594)	\$0.33	\$106	\$52	2033
2034	102,000	(94,028)	1,246,121,011	\$0.08	\$27	938,968	(752,950)	288,018	(100,127)	\$0.23	\$75	\$49	2034
2035	0	(102,000)	1,301,264,724	\$0.00	\$0	218,978	0	218,978	(69,040)	\$0.17	\$55	\$55	2035
2036	0	0	1,358,848,672	\$0.00	\$0	0	0	0	(218,978)	\$0.00	\$0	\$0	2036
2037	0	0	1,418,980,842	\$0.00	\$0	0	0	0	0	\$0.00	\$0	\$0	2037
2038	0	0	1,481,773,999	\$0.00	\$0	0	0	0	0	\$0.00	\$0	\$0	2038
2039	0	0	1,547,345,896	\$0.00	\$0	0	0	0	0	\$0.00	\$0	\$0	2039
Total	4,587,303					10,017,885	(7,505,448)					\$759.70	Total

Total Cost of new financing to sample taxpayer over 11 years

Notes:

1) Projected TID OUT EV based on 1/1/2023 actual plus discounted 5-year average (or 4.43% annual inflation).

Table 6 General Obligation Debt Capacity Analysis - Impact of Financing Plan

Village of Kronenwetter, WI

Existing Debt					Proposed Debt				
Year Ending	Projected Equalized		Existing Principal		Combined Principal			Residual Capacity	Year Ending
	Value (TID IN) ¹	Debt Limit ²	Outstanding	% of Limit	2024 G.O. Notes	& Proposed	% of Limit		
2023	895,765,200	44,788,260	6,712,208	15%		\$6,712,208	15%	\$38,076,052	2023
2024	964,532,600	48,226,630	5,731,108	12%	8,395,000	\$14,126,108	29%	\$34,100,522	2024
2025	1,008,646,443	50,432,322	4,717,595	9%	7,840,000	\$12,557,595	25%	\$37,874,728	2025
2026	1,054,777,875	52,738,894	3,666,506	7%	7,280,000	\$10,946,506	21%	\$41,792,388	2026
2027	1,103,019,174	55,150,959	2,597,814	5%	6,680,000	\$9,277,814	17%	\$45,873,145	2027
2028	1,153,466,836	57,673,342	1,516,415	3%	6,040,000	\$7,556,415	13%	\$50,116,927	2028
2029	1,206,221,770	60,311,089	1,007,246	2%	4,980,000	\$5,987,246	10%	\$54,323,843	2029
2030	1,261,389,504	63,069,475	640,112	1%	3,995,000	\$4,635,112	7%	\$58,434,363	2030
2031	1,319,080,388	65,954,019	464,938	1%	2,975,000	\$3,439,938	5%	\$62,514,081	2031
2032	1,379,409,820	68,970,491	286,606	0%	2,015,000	\$2,301,606	3%	\$66,668,885	2032
2033	1,442,498,479	72,124,924	100,000	0%	1,130,000	\$1,230,000	2%	\$70,894,924	2033
2034	1,508,472,559	75,423,628	0	0%	215,000	\$215,000	0%	\$75,208,628	2034
2035	1,577,464,028	78,873,201		0%	0	\$0	0%	\$78,873,201	2035
2036	1,649,610,890	82,480,544		0%	0	\$0	0%	\$82,480,544	2036
2037	1,725,057,459	86,252,873		0%	0	\$0	0%	\$86,252,873	2037

Notes:

- 1) Projected TID IN EV based on 1/1/2024 actual plus discounted 5-year average (or 4.57% annual inflation).
- 2) All municipalities are limited to 5% of TOTAL Equalized Value in G.O. Principal Outstanding. Test applied at time of financing.

DECLARATIONS
MUNICIPAL PROPERTY INSURANCE COMPANY
Variable Coverage Schedules

	Builders Risk	
New Water Treatment Building - 1979 Lea Road Kronenwetter 54455		\$2,100,000
Total		\$2,100,000

	Pedestrian Bridge	
Bridges - Old Hwy 51 Multi-Use Path Bridge		\$403,058
Bridges - The Kronenwetter Drive Multi-Use Path Bridge		\$265,301
Total		\$668,359

STATEMENT OF VALUES

MUNICIPAL PROPERTY INSURANCE COMPANY

Coverage Amount - \$22,317,240

Site	Bldg	Description	Year Built	Floors	Square Footage	Building RC	Personal Property RC
001 MUNICIPAL CENTER/FIRE							
	DEPT						
001	MUNICIPAL CENTER/FIRE DEPT	1582 KRONENWETTER DR, KRONENWETTER, WI 54455	1980	2	35,334	\$7,864,394	\$909,943
002	PARK & RECREATION BUILDING	1582 KRONENWETTER DR, KRONENWETTER, WI 54455		1	0	\$116,877	\$28,821
		MUNICIPAL CENTER/FIRE DEPT (001) Total				\$7,981,271	\$938,764
002 GAUGING STATION 1							
001	GAUGING STATION 1	2361 TOWER RD, KRONENWETTER, WI 54455	1996	1	120	\$83,856	\$0
		GAUGING STATION 1 (002) Total				\$83,856	\$0
003 GAUGING STATION 2							
001	GAUGING STATION 2	2302 OLD HIGHWAY 51, KRONENWETTER, WI 54455	1999	1	120	\$83,856	\$0
002	GENERATOR BUILDING 3	2302 OLD HIGHWAY 51, KRONENWETTER, WI 54455	1999	1	195	\$114,721	\$0
		GAUGING STATION 2 (003) Total				\$198,577	\$0

STATEMENT OF VALUES MUNICIPAL PROPERTY INSURANCE COMPANY

Coverage Amount - \$22,317,240

Site	Bldg	Description	Year Built	Floors	Square Footage	Building RC	Personal Property RC
007 SOCCER FIELD - STORAGE SHED							
	001	SOCCER FIELD - STORAGE SHED TOWER RD, KRONENWETTER, WI 54455		1	0	\$9,759	\$5,220
		Property in the Open					\$43,574
		SOCCER FIELD - STORAGE SHED (007) Total				\$9,759	\$48,794
008 KRONENWETTER COMMUNITY PARK - CONCESSION STAND							
	001	KRONENWETTER COMMUNITY PARK - CONCESSION STAND 1582 KRONENWETTER DR, KRONENWETTER, WI 54455		1	0	\$9,418	\$2,383
		Property in the Open					\$161,813
		KRONENWETTER COMMUNITY PARK - CONCESSION STAND (008) Total				\$9,418	\$164,196
009 BUSKA PARK RESTROOMS							
	001	BUSKA PARK, KRONENWETTER, WI 54455		1	0	\$142,572	\$12,470
	002	STORAGE SHED BUSKA PARK, KRONENWETTER, WI 54455		1	0	\$1,909	\$1,235
		Property in the Open					\$108,254
		BUSKA PARK (009) Total				\$144,481	\$121,959
010 YARD WASTE SITE - GARAGE							
	001	YARD WASTE SITE - GARAGE 4496 MARTIN RD, KRONENWETTER, WI 54455		1	0	\$53,559	\$18,722
		YARD WASTE SITE - GARAGE (010) Total				\$53,559	\$18,722

STATEMENT OF VALUES MUNICIPAL PROPERTY INSURANCE COMPANY

Coverage Amount - \$22,317,240

Site	Bldg	Description	Year Built	Floors	Square Footage	Building RC	Personal Property RC
011		FRIENDSHIP PARK - SHELTER					
	001	FRIENDSHIP PARK - SHELTER	2007	1	672	\$279,826	\$19,063
		2350 SUNNY MEADOW DR, KRONENWETTER,WI 54455					
		Property in the Open					\$135,260
		FRIENDSHIP PARK - SHELTER (011) Total				\$279,826	\$154,323

STATEMENT OF VALUES

MUNICIPAL PROPERTY INSURANCE COMPANY

Coverage Amount - \$22,317,240

Site	Bldg	Description	Year Built	Floors	Square Footage	Building RC	Personal Property RC
012 LIFT STATIONS							
	001	LIFT STATION #1 2201 TOWER RD, KRONENWETTER, WI 54455	2006	1	0	\$313,073	\$0
	002	LIFT STATION #10 2500 SUSSEX PLACE, KRONENWETTER, WI 54455	2005	1	0	\$185,869	\$0
	003	LIFT STATION #11 1050 GLADE COURT, KRONENWETTER, WI 54455	2006	1	0	\$164,083	\$0
	004	LIFT STATION #2 1929 KIMBERLY RD, KRONENWETTER, WI 54455	2011	1	0	\$325,896	\$0
	005	LIFT STATION #3 2361 TOWER RD, KRONENWETTER, WI 54455	1996	1	0	\$192,223	\$0
	006	LIFT STATION #4 899 W NELSON RD, KRONENWETTER, WI 54455	2000	1	0	\$248,393	\$0
	007	LIFT STATION #5 1100 CEDAR RD, KRONENWETTER, WI 54455	1999	1	0	\$266,889	\$0
	008	LIFT STATION #6 2100 RIVER FOREST LN, KRONENWETTER, WI 54455	1999	1	0	\$241,358	\$0
	009	LIFT STATION #7 2302 OLD HWY 51, KRONENWETTER, WI 54455	1999	1	0	\$241,698	\$0
	010	LIFT STATION #8 1210 KRONENWETTER DR, KRONENWETTER, WI 54455	2001	1	0	\$266,889	\$0
	011	LIFT STATION #9 WEST RD & CTH X, KRONENWETTER, WI 54455	2003	1	0	\$212,082	\$0
		LIFT STATIONS (012) Total				\$2,658,453	\$0

STATEMENT OF VALUES

MUNICIPAL PROPERTY INSURANCE COMPANY

Coverage Amount - \$22,317,240

Site	Bldg	Description	Year Built	Floors	Square Footage	Building RC	Personal Property RC
013 GOODING PARK							
	001	GAZEBO		0	0	\$1,134	\$0
		KRONENWETTER, WI 54455					
	002	SHELTER W/ STONE FIREPLACE		0	0	\$44,481	\$0
		KRONENWETTER, WI 54455					
		Property in the Open					
		GOODING PARK (013) Total				\$45,615	\$2,156
014 NORM PLAZA MEMORIAL PARK							
	001	SHELTER 24' X 24'		0	576	\$16,340	\$0
		KRONENWETTER, WI 54455					
		Property in the Open					
		NORM PLAZA MEMORIAL PARK (014) Total				\$16,340	\$45,730
015 SEVILLE PARK							
	001	Shelter		0	0	\$34,042	\$0
		SEVILLE PARK, Kronenwetter, WI 54455					
		Property in the Open					
		SEVILLE PARK (015) Total				\$34,042	\$26,439
016 WATER TOWER							
	001	WATER TOWER	1996	1	0	\$1,550,842	\$0
		1688 PINE RD, KRONENWETTER, WI 54455					
		WATER TOWER (016) Total					
						\$1,550,842	\$0
017 TRAFFIC SIGNALS							
		Property in the Open					
		TRAFFIC SIGNALS (017) Total				\$0	\$425,980

STATEMENT OF VALUES MUNICIPAL PROPERTY INSURANCE COMPANY

Coverage Amount - \$22,317,240

Site	Bldg	Description	Year Built	Floors	Square Footage	Building RC	Personal Property RC
018							
		PITO AT VARIOUS LOCATIONS THROUGHOUT THE CITY					
		Property in the Open					\$2,579,561
		PITO AT VARIOUS LOCATIONS THROUGHOUT THE CITY (018) Total				\$0	\$2,579,561
019							
		Bridges					
	001	Old Hwy 51 Multi-Use Path Bridge		0	0	\$403,058	\$0
		KRONENWETTER, WI 54455					
	002	The Kronenwetter Drive Multi-Use Path Bridge		0	0	\$265,301	\$0
		KRONENWETTER, WI 54455					
		Bridges (019) Total				\$668,359	\$0
Building Subtotal							
							\$17,240,158
Contents Subtotal							
							\$1,468,770
Property in the Open Subtotal							
							\$3,608,312
Building, Contents and PITO Total							
							\$22,317,240

**PROPERTY IN THE OPEN
MUNICIPAL PROPERTY INSURANCE COMPANY**

Site	Description	Quantity	Replacement Cost
004	WELL HOUSES		
	PORTABLE GENERATOR		\$29,957
	PORTABLE PUMP		\$27,801
	SAFETY EQUIPMENT		\$21,787
	WELL HOUSES (004) Total		\$79,545
007	SOCCER FIELD - STORAGE SHED		
	BOUNCER ANIMAL		\$908
	BOUNCER SHOVEL		\$908
	FENCING CHAINLINK		\$14,752
	FENCING WOOD		\$5,901
	GOAL NETS		\$13,957
	HORIZONTAL LADDER		\$1,475
	PICNIC TABLES		\$1,248
	SWING		\$1,475
	TRASH RECEPTABLE		\$2,950
	SOCCER FIELD - STORAGE SHED (007) Total		\$43,574
008	KRONENWETTER COMMUNITY PARK - CONCESSION STAND BACKSTOP		
	BBQ, STEEL		\$681
	BENCH, ALUMINUM		\$567
	BENCH, WOOD		\$567
	BLEACHER, ALUMINUM		\$14,184
	BLEACHER, WOOD		\$1,475
	BOUNCER (ANIMAL & CAR)		\$1,816
	DUGOUT		\$23,149
	FENCING, CHAINLINK < 6'		\$11,915
	FENCING, CHAINLINK > 6'		\$12,709
	PICNIC TABLES		\$681
	PLAYSTRUCTURE MEDIUM		\$24,397

**PROPERTY IN THE OPEN
MUNICIPAL PROPERTY INSURANCE COMPANY**

Site	Description	Quantity	Replacement Cost
	SCOREBOARD MEDIUM		\$43,574
	TRASH RECEPTABLE; CONCRETE		\$2,950
	KRONENWETTER COMMUNITY PARK - CONCESSION STAND (008) Total		\$161,813
009	BUSKA PARK		
	1/2 BASKETBALL COURT		\$1,929
	BACKSTOP (48')		\$7,716
	BLEACHER, ALUMINUM		\$6,808
	DUGOUTS		\$7,943
	FENCING, CHAINLINK < 6'		\$3,972
	FENCING, CHAINLINK > 6'		\$9,532
	JUNGLE GYM		\$14,525
	PARK BENCH, WOOD		\$567
	PICNIC TABLE		\$681
	SCOREBOARD		\$14,525
	SUNSET PARK PLAYSTRUCTURE		\$9,078
	TENNIS COURT		\$27,347
	TRASH RECEPTABLE		\$3,631
	BUSKA PARK (009) Total		\$108,254
011	FRIENDSHIP PARK - SHELTER		
	BORDER MATERIALS		\$5,220
	CONCRETE BENCHES		\$6,241
	CONCRETE PICNIC TABLES		\$18,269
	E-Z DIGGER ACCESSIBLE		\$908
	E-Z DIGGER STANDARD		\$908
	FENCING		\$22,014
	FLUTTER BY SPRING RIDER		\$908
	PLAYSTRUCTURE		\$63,659
	PLAYSTRUCTURE RUBBER MATS		\$1,589

**PROPERTY IN THE OPEN
MUNICIPAL PROPERTY INSURANCE COMPANY**

Site	Description	Quantity	Replacement Cost
	SPRINGMATE CHIPMUNK		\$908
	SPRINGMATE TURTLE		\$908
	SURFACING MATERIAL, 240 CUBIC YARDS		\$8,624
	SWING UNIT ARCHED		\$5,106
	FRIENDSHIP PARK - SHELTER (011) Total		\$135,260
013	GOODING PARK		
	TRASH RECEPACLE, CONCRETE		\$2,156
	GOODING PARK (013) Total		\$2,156
014	NORM PLAZA MEMORIAL PARK		
	BACKSTOP		\$7,716
	BASKETBALL GOAL, DOUBLE		\$3,404
	BBQ, STEEL		\$1,135
	BOUNCER ANIMAL		\$1,816
	NORM PLAZA PLAYSTRUCTURE, MEDIUM		\$16,794
	PARK BENCH, WOOD		\$567
	SIGNS		\$2,496
	SOCCER GOAL		\$4,652
	SWING BELT		\$1,929
	TABLES		\$3,064
	TRASH RECEPTABLE, CONCRETE		\$2,156
	NORM PLAZA MEMORIAL PARK (014) Total		\$45,730
015	SEVILLE PARK		
	BAR CLIMBER		\$794
	BOUNCER CAR & ANIMAL		\$1,816
	PARK BENCH, WOOD		\$1,248
	PICNIC TABLES		\$1,816
	PLAYSTRUCTURE, MEDIUM		\$16,794
	SWINGS		\$3,177
	VOLLEYBAL POSTS AND SAND COURT		\$794

**PROPERTY IN THE OPEN
MUNICIPAL PROPERTY INSURANCE COMPANY**

Site	Description	Quantity	Replacement Cost
	SEVILLE PARK (015) Total		\$26,439
017	TRAFFIC SIGNALS		
	BACKPLATES SIGNAL FACE, 12" 3 SEC		\$454
	CABLE TRAFFIC SIGNAL, 21-41 AWG		\$794
	CABLE TRAFFIC SIGNAL, 3-14 AWG		\$6,355
	CABLE TRAFFIC SIGNAL, 5-14 AWG		\$227
	CABLE TRAFFIC SIGNAL, 7-14 AWG		\$340
	CONCRETE BASES TYPE 1		\$454
	CONCRETE BASES TYPE 2		\$4,539
	CONDUIT LOOP DETECTOR		\$2,156
	CONDUIT RIGID, NON-METALLIC 2"		\$3,291
	CONDUIT RIGID, NON-METALLIC 3"		\$13,730
	CONNECT TRAFFIC/RAILROAD SIGNAL		\$9,418
	CONTROL CABINET CONC BASE TYPE 6		\$1,248
	LOOP DETECTOR LEAD IN CABLE		\$1,816
	LOOP DETECTOR WIRE		\$4,425
	MRR/OLD 51 TRAFFIC SIGNAL #1		\$1,702
	MRR/OLD 51 TRAFFIC SIGNAL #2		\$3,858
	MRR/OLD 51 TRAFFIC SIGNAL #3		\$7,830
	MRR/OLD 51 TRAFFIC SIGNAL #4		\$2,043
	MRR/OLD 51 TRAFFIC SIGNAL #5		\$5,674
	MRR/OLD 51 TRAFFIC SIGNAL #6		\$7,262
	MRR/OLD 51 TRAFFIC SIGNAL #7		\$1,021
	MRR/OLD 51 TRAFFIC SIGNAL #8		\$2,043
	MRR/OLD 51 TRAFFIC SIGNAL #9		\$7,489
	MRR/OLD 51 TRAFFIC SIGNAL CONTROLLER		\$5,106
			\$3,972
			\$131,970

**PROPERTY IN THE OPEN
MUNICIPAL PROPERTY INSURANCE COMPANY**

Site	Description	Quantity	Replacement Cost
	PEDESTAL BASES		\$1,362
	POLES TYPE 2		\$3,064
	PULL BOXES STEEL 18" X 24"		\$1,816
	PULL BOXES STEEL 24" X 42"		\$4,312
	SIGNAL MOUNTING HARDWARE		\$1,702
	STOP SIGNS FOLDING		\$1,816
	TRAFFIC SIGNAL CONTROLLER 8 PH		\$36,765
	TRAFFIC SIGNAL FACES - NO LEFT TURN		\$7,716
	TRAFFIC SIGNAL FACES - NO RIGHT TURN		\$7,716
	TRAFFIC SIGNAL FACES 3-12" HORIZONTAL		\$1,702
	TRAFFIC SIGNAL FACES 3-12" VERT		\$3,404
	TRAFFIC SIGNAL FACES 5-12" VERT		\$9,191
	TRAFFIC SIGNAL STANDARDS, 13'		\$794
	TRAFFIC SIGNAL STANDARDS, 15'		\$1,702
	TRAFFIC SIGNALS		\$110,410
	TRANSFORMER BASES		\$908
	TROMBONE ARMS 20'		\$2,383
	TRAFFIC SIGNALS (017) Total		\$425,980
018	PITO AT VARIOUS LOCATIONS THROUGHOUT THE CITY		
	EMERGENCY WARNING SIREN		\$24,397
	EMERGENCY WARNING SIREN		\$24,397
	EMERGENCY WARNING SIREN		\$24,397
	EMERGENCY WARNING SIREN- 40'		\$24,397
	Fire Hydrants 519 @ \$4,500 ea.		\$2,358,855
	MAPLE RIDGE INTERCHANGE CONTROLLER		\$7,376
	MAPLE RIDGE INTERCHANGE DOUBLE LAMP		\$30,638
	MAPLE RIDGE INTERCHANGE SINGLE LAMP		\$17,135
	MAPLE RIDGE INTERCHANGE SINGLE LAMP		\$44,368
	MAPLE RIDGE INTERCHANGE SINGLE LAMP W/ 15' AR		\$10,326



Village of Kronenwetter 2024-25 Municipal Property Insurance Co. (MPIC) Renewal Premium Summary

	2022-23 Expired	2023-24 Expiring	2024-25 Renewal
Buildings, Personal Property & Property in the Open	\$17,315 TIV \$21,035,879	\$18,679 TIV \$22,158,510	\$19,384 TIV \$22,317,240
Contractors Equipment	\$3,031 TIV \$1,377,669	\$3,211 TIV \$1,459,354	\$3,371 TIV \$1,532,322
Contractors Equipment valued under \$25,000	\$0 TIV \$392,379	\$0 TIV \$491,883	\$0 TIV \$516,480
Bridges	\$425 TIV \$630,219	\$447 TIV \$661,741	\$451 TIV \$668,359
Equipment Breakdown with Sewer & Water	\$2,587 TIV \$21,035,879	\$2,792 TIV \$22,158,510	\$2,812 TIV \$22,380,097
Total Annual Premium	\$23,358	\$25,129	\$26,018



Report to APC

Item Name: Marathon County Responsible Units of Recycling Cooperative Waste Reduction, Reuse, and Recycling Education Program Agreement
Meeting Date: September 19, 2024
Referring Body: APC
Committee Contact:
Staff Contact: Greg Ulman
Report Prepared by: Greg Ulman

Attached is a cooperative agreement between Marathon County and the Village of Kronenwetter saying that the municipality will uphold the recycling needs for it's residents and the county will provide recycling education and outreach. In order for our municipality to be eligible for DNR recycling grant funding, we need to sign the agreement for the calendar year of 2025.

**MARATHON COUNTY RESPONSIBLE UNITS OF RECYCLING
COOPERATIVE WASTE REDUCTION, REUSE AND RECYCLING EDUCATION
PROGRAM AGREEMENT**

To Satisfy Eligibility for Recycling Consolidation Grant--Calendar Year 2025

This agreement is entered into between the cooperative group of Marathon County Responsible Units of Recycling, listed in Appendix A, and the Marathon County Solid Waste Department for the purpose of implementing efficiencies related to operating an effective recycling program in accordance with ss. 287.11 and 287.24, Wis. Stats., and ch. NR 542, Wis. Admin. Code.

The **City/Village/Town (circle one)** of _____ and the cooperative group of Marathon County Responsible Units of Recycling, along with the Solid Waste Department, agree to jointly undertake the following effective recycling program activities:

- Develop and distribute educational materials relating to waste reduction, reuse, and recycling.
- Carry out a program of technical assistance to businesses and owners and occupants of multifamily dwellings to increase the availability and convenience of recycling (not applicable for those municipalities without businesses and multi-family units).

Description of Effective Recycling Program Component

- What: Waste Reduction, Reuse and Recycling Education and Community Outreach
 - The education and community outreach program is a full-time, continuous program that uses multiple types of media to engage residents, businesses and organizations to increase recycling rates and reduce wastes entering landfills. The program capitalizes on the strengths of the Solid Waste Department waste management experts and the connection that each the local RU has with its constituents, leveraging these assets into a broad-based, consistent message across the diverse range of RUs in Marathon County
 - Additionally, the program will outreach to businesses and multi-family unit owners to outline recycling responsibilities and requirements
- Where: The cooperating group of Marathon County Responsible Units of Recycling

Describe Each Responsible Unit’s Responsibilities

Each Responsible Unit will do the following:-

- Meet the statutory terms of a Responsible Unit of Recycling and conduct an Effective Recycling Program
- Apply for the DNR Basic Recycling Grant and the Recycling Consolidation Grant
- Administer the terms of service contracts for collection and transportation of recyclables
- Make all payments to their respective recycling service provider for collection and transportation of recyclables
- Have available to constituents information that directs them to the Solid Waste and Recycling Information Line and Solid Waste Department website
- Enforce the provisions of their respective recycling ordinance
- Administer a Compliance Assurance Plan to ensure residents, businesses and organizations meet conduct recycling as specified in the recycling ordinance

- Keep and use their Basic Grant and RU Consolidation Grant per the grant terms
- The Solid Waste Department will do the following:-
- Administer the department’s waste reduction, reuse and recycling education program
 - Have available to residents, businesses and organizations a toll-free Solid Waste & Recycling Information Line and up-to-date website with a wide variety of resources related to waste reduction, reuse and recycling
 - Conduct community presentations on waste reduction, reuse and recycling
 - Manage a Facebook page that promotes waste reduction, reuse and recycling
 - Promote and advertise Department’s toll-free number/website through a variety of media and the “Central Wisconsin Recycling Collective” and “Recycle Right Wisconsin” messages
 - Assist RUs with strategies on reducing the waste stream and recycling more

Benefits of a Cooperative Education Program

- RUs will be able to free up staff resources from recycling education/outreach to other work by directing inquiries to the fully staffed Solid Waste & Recycling and Information Line and resource-rich Solid Waste Department website
- A consistent message of what to recycle and on waste reduction will increase recycling rates and reduce waste; both aiding local government in saving money on waste disposal and assist the Solid Waste Department in ensuring that banned materials do not enter the landfill
- With the expert resources of the Solid Waste Department any inquiry about waste reduction, reuse or recycling is quickly and effectively handled. Even when smaller municipalities have either limited or part-time recycling staff, a resident has one call or one click access to information, expanding recycling education customer service to all of Marathon County.

Cooperative Agreement Effective Dates

January 1, 2025 through December 31, 2025

Cooperative Agreement Termination

Any RUs that does not comply with their statutory obligations, as determined by the DNR, will not be eligible for participation in the cooperative program.

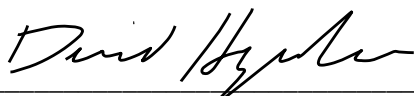
The undersigned parties mutually agree to the terms and conditions of this Cooperative Agreement.

For the Responsible Unit of Recycling:

Signature & title of Authorized Representative

Date

For the Marathon County Solid Waste Department



David Hagenbucher Director-SWD

August 27, 2024
Date



Report to APC

Agenda Item: Discussion & Possible Action: Ambulance Purchase Contract Recommendation

Meeting Date: September 19, 2024

Referring Body: Ambulance Subcommittee

Committee Contact: Alex Vedvik

Staff Contact: Theresa O'Brien, Fire Chief

Report Prepared by: Theresa O'Brien, Fire Chief

AGENDA ITEM: Discussion & Possible Action: Ambulance Purchase Contract Recommendation

OBJECTIVE(S): Review and recommend the Village Board approve the ambulance purchase agreement.

HISTORY/BACKGROUND: A quote was received for a new ambulance available for delivery November/December 2025 with costs for new ambulance and included equipment lower than proposed ambulance capital purchase budget. Ambulance Subcommittee recommended the approval of the purchase agreement with no money needed until delivery of equipment with a cancellation clause allowing for no penalties for cancellation by 07/01/2025 with additional wording added guaranteeing delivery by December 2025 or a loaner to be available if needed until ambulance is completed. Ambulance Subcommittee recommended approval with the additional wording and approval of wording by Village Attorney.

PROPOSAL:

RECOMMENDED ACTION: Recommend to the Village Board to approve and sign the purchase agreement with Pomasl Fire Equipment, Inc for the purchase of the Demers Ambulances, model MXP170, Type I Ambulance with both the cancellation clause and the guaranteed delivery.

ATTACHMENTS: Ambulance purchase agreement, Ambulance proposal letter, Proposal Summary, Ambulance Specs



Purchase Agreement

Date: September / October ____, 2024

DEALER: Pomasl Fire Equipment, Inc.
P.O. Box 267
1918 Neva Road
Antigo, WI 54409

PURCHASER: Village of Kronenwetter
1582 Kronenwetter Drive
Kronenwetter, WI 54455

MANUFACTURER: Demers Ambulances, model MXP170, Type I Ambulance

This **Purchase Agreement** is entered into by and between the above named **DEALER** and **PURCHASER** for the following:

Including: Chassis: Body: Equipment:

The **PURCHASER** agrees to pay the **DEALER** the sum below per the proposal dated June 25, 2024 for a Demers Ambulances model MXP170, Type I Ambulance, to be built on a Ford F450 gas chassis.

➤ Demers model MXP170, Type I Ambulance	\$ 319,623.00
➤ Less Ford municipal discount	(\$ 3,500.00)
➤ Stryker model 6390, MTS Power-LOAD cot loading system	\$ 27,425.00
➤ Stryker model 650705550001, Power Pro 2 power cot	\$ 29,995.00
➤ Stryker model 6252, Stair Pro tracked manual stair chair	\$ 4,475.00
➤ Balance due upon delivery of the vehicle to the purchaser	\$ 378,018.00

Payment Terms: 100% payment due at final delivery at your station.

Lead time for delivery: The ambulance is a stock unit that is already on order. The ambulance is scheduled to be completed in early December 2025.



Cancellation / Termination: In the event this Agreement is cancelled or terminated by the PURCHASER before completion, DEALER may charge a cancellation fee. The following charge schedule based on costs incurred may be applied: (a) 0% of the Purchase Price after order is accepted and before July 1, 2025; (b) 10% of the Purchase Price if cancelled between July 2, 2025 and October 1, 2025, and; (c) 25% of the Purchase Price between October 2, 2025 and arrival of the completed ambulance at the DEALER location, which is estimated to be December 10, 2025. The December 10, 2025 dates is flexible and assumes the unit stays on schedule up to and through the build of the ambulance at the Demers Ambulance facility. DEALER endeavors to mitigate any such costs through the sale of the ambulance to another purchaser; however, PURCHASER may remain liable for the costs incurred by the DEALER as outlined in the above cancellation fee schedule at the dealers discretion. If PURCHASER elects to cancel the order, a letter on Village letterhead needs to be sent to the DEALER. DEALER will then review timeline and may or may not incur the cancellation fee.

The PURCHASER agrees that any modifications in the form of additions to and or deletions from the specifications made during the manufacture of the vehicle or prior to delivery, at the request of the PURCHASER, shall be considered and computed into the final balance; and the final payment adjusted, in accordance with such changes.

Unless otherwise noted herein, the Purchase price agreed to is net F.O.B. 1582 Kronenwetter Drive, Kronenwetter, Wisconsin. All customer payments including final payment must be made directly to the DEALER - Pomasl Fire Equipment, Inc.

The title does not pass to the PURCHASER until the purchase price is paid in full. The vehicle will not be turned over to the PURCHASER unless proof of insurance is provided.

All applicable sales and excise taxes now, or hereafter, imposed upon the sale of the items specified herein shall be paid by the PURCHASER.

DEALER:
POMASL FIRE EQUIPMENT, INC.

PURCHASER:
VILLAGE OF KRONENWETTER



Authorized Signatures:

Kevin Pomasl or Dan Pomasl
President or Vice President
Pomasl Fire Equipment, Inc.

Name # 1 – Sign Above the Line

Date Signed:

Name # 1 – Print Name Above Line

Title:

Date Signed:

Name # 2 (if necessary) – Sign Above the Line

Name # 2 (if necessary) – Print Name Above
Line

Title:

Date Signed:

Name # 3 (if necessary) – Sign Above the Line

Name # 3 (if necessary) – Print Name Above
Line

Title:

Date Signed:

CPQ quote: QUO0000009219 Rev: 1

Date & revision: 2023-09-28 rev.0

General exterior with custom paint	page 2
Top exterior with custom paint	page 3
Curbside exterior	page 4
Streetside exterior	page 5
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DISCLAIMERS

Section 5, Item1.

Demers makes every effort to maintain the accuracy and quality of the information provided in these drawings. However, Demers cannot guarantee and assumes no legal liability or responsibility for the accuracy or completeness of the information provided. The information contained in these drawings is for general guidance only. You should always develop your quote and send to Demers for engineering validation to the feasibility of the custom options according to the specific configuration required by the customer.

Should there be any discrepancies between the CPQ configurator, the CPQ quote or sale sheet and these drawings; the CPQ configurator, the CPQ quote or sale sheet will take precedence. These drawings are subject to change by engineering during the construction process of the vehicle. Dimensional data for information only. The copyright of all content in these drawings is owned by Demers and/or the various manufacturers of our equipment. These drawings in part or whole cannot be changed, reproduced, stored in or transmitted onto any website or social media without the prior written consent from Demers.

MXP170E - Ford F450



General exterior with custom paint

Date: 2023-09-28 rev.0

Scale:

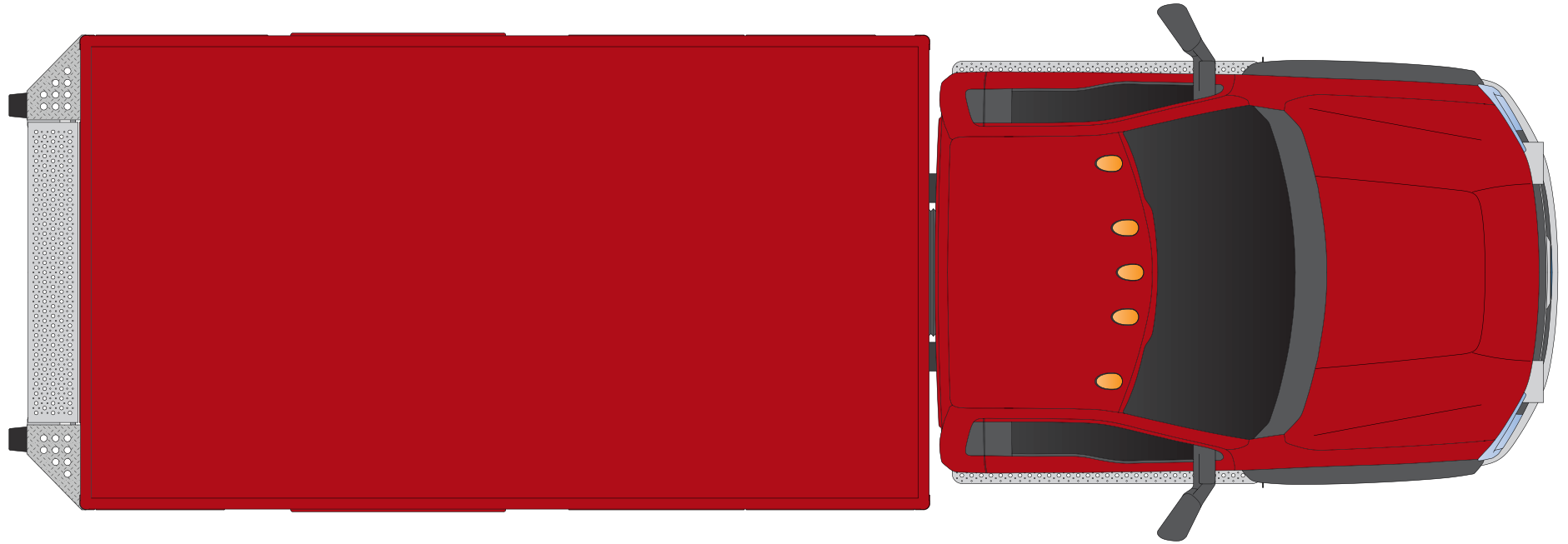
Draft:

Section 5, Item 1.

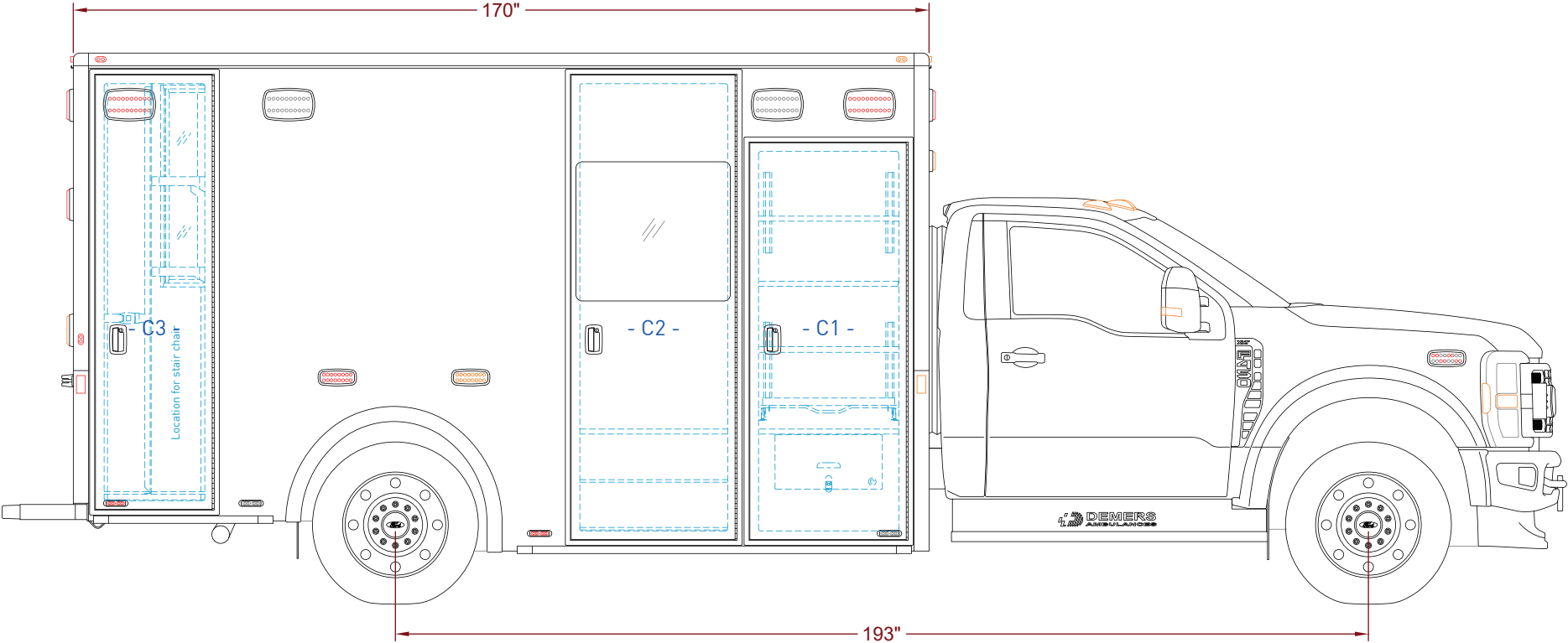


Top exterior with custom paint

Date: 2023-09-28 rev.0
Scale:
Drafter: Section 5, Item 1.



Curbside exterior

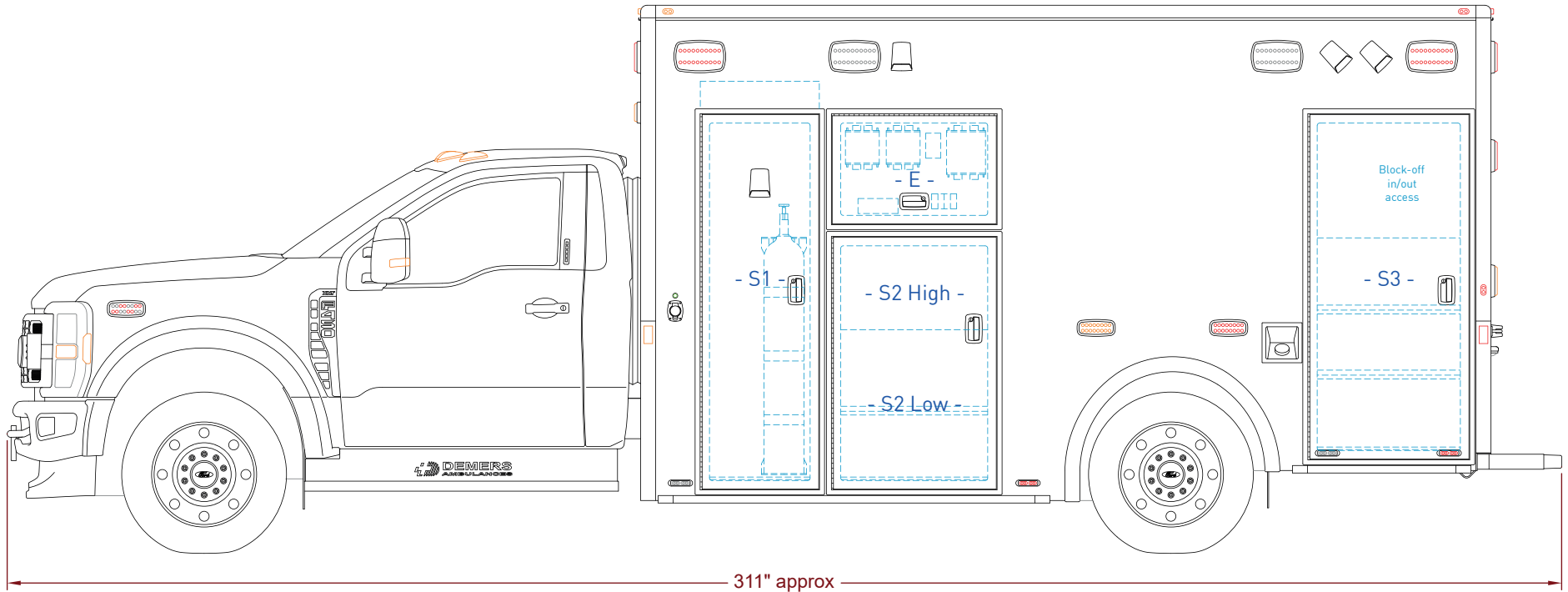


Compartment	Opening L x H	Interior dimensions L x H x D
C1	27.75" x 55.75"	30.25" x 57.25" x 32.00"
C2	29.25" x 88.75"	-
C3	20.00" x 82.75"	20.75" x 84.25" x 18.50"

Streetside exterior

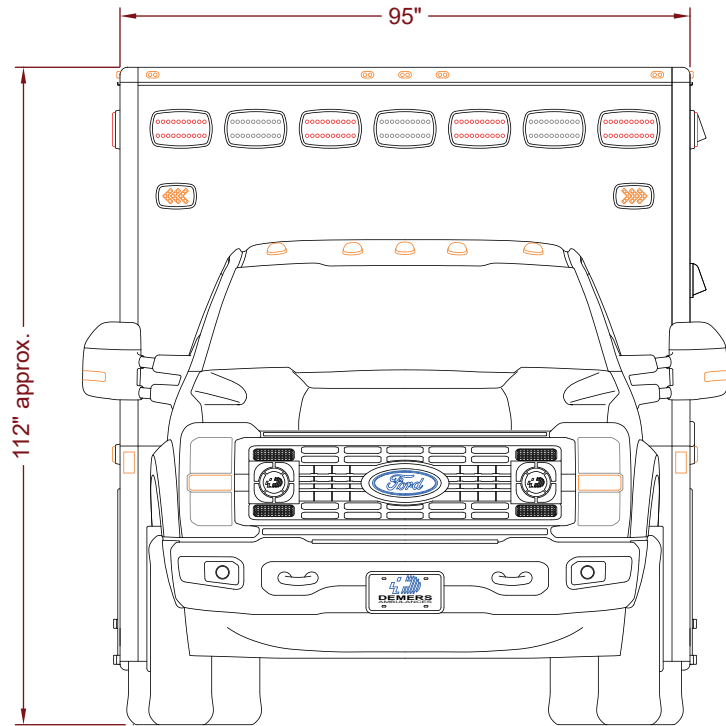
Date: 2023-09-28 rev.0
 Scale:
 Drafter

Section 5, Item 1.



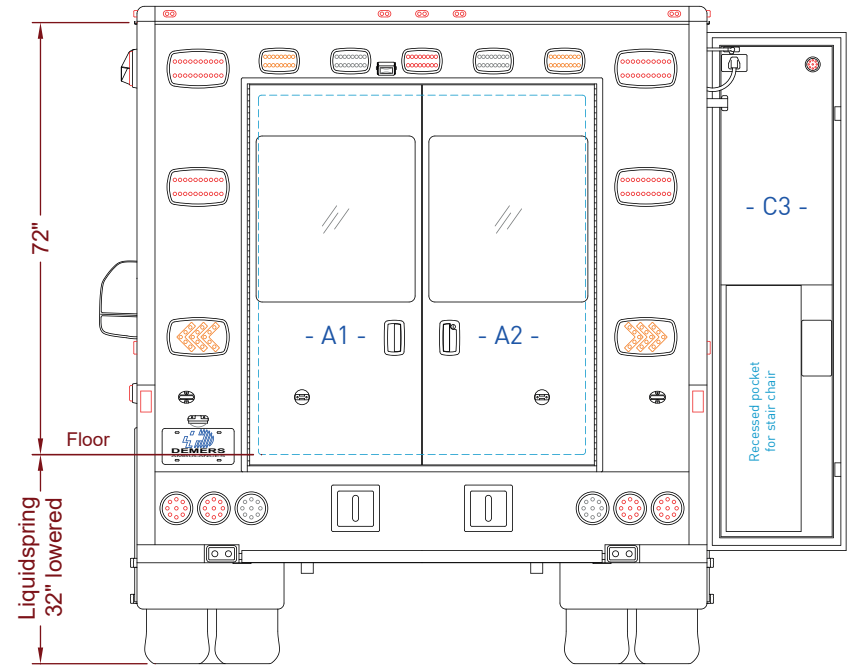
Compartment	Opening L x H	Interior dimensions L x H x D
S1	20.25" x 71.50"	23.75" x 79.50" x 18.00"
S2	29.25" x 47.00"	High: 32.25" x 17.25" x 8.00" Low: 32.25" x 30.00" x 13.50"
S3	28.50" x 65.50"	33.25" x 42.00" x 17.50"
E	29.25" x 18.50"	-

Front & rear exterior



Note

The total height of the vehicle can be different according to chassis and suspensions



Note

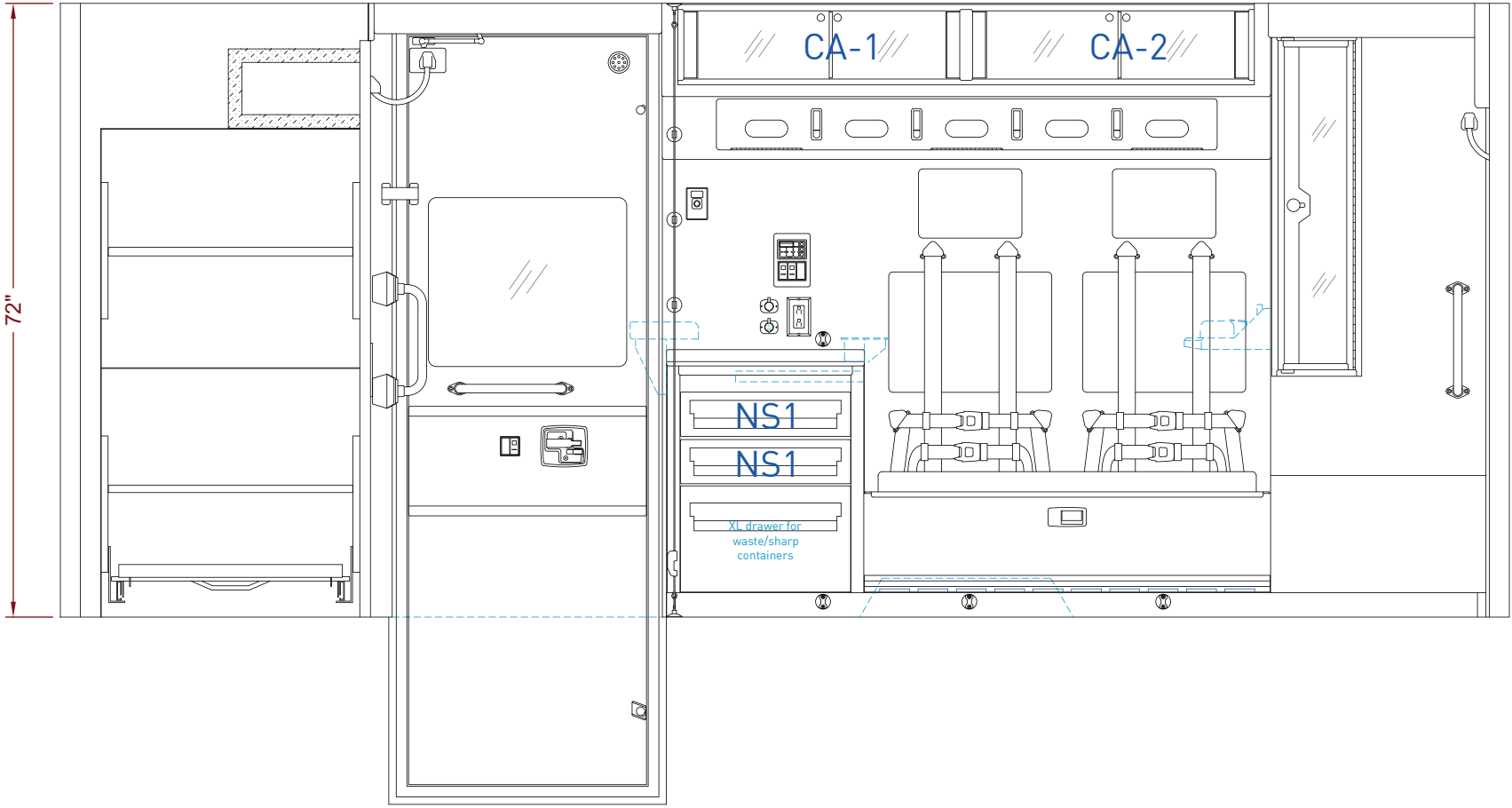
The rear loading height of the vehicle can be different according to chassis and suspensions

Compartment	Opening L x H	Interior dimensions L x H x D
A1 & A2	54.50" x 59.75"	-

Curbside interior wall

Date: 2023-09-28 rev.0
 Scale:
 Drafter

Section 5, Item 1.



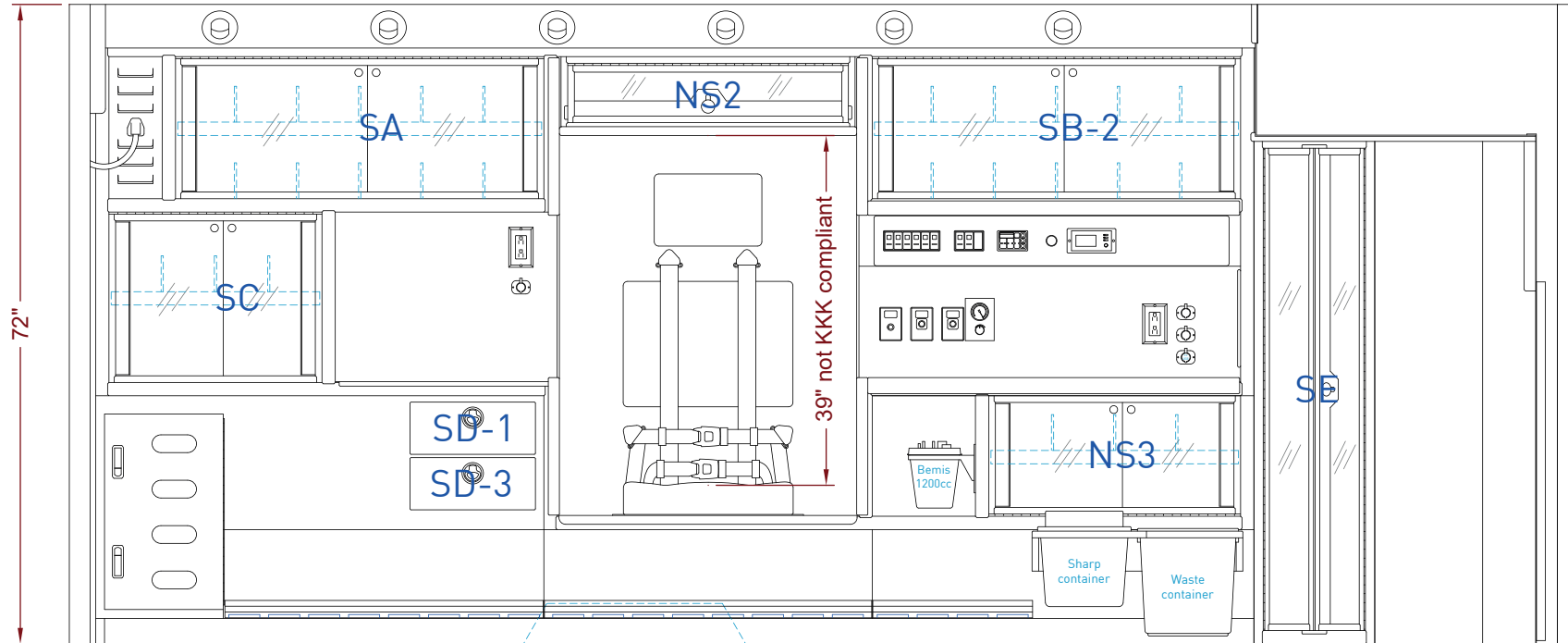
Compartment	Opening L x H	Interior dimensions L x H x D
Storage cabinet -CA-	32.25" x 8.00"	33.50" x 9.50" x 9.25"
Storage drawer -NS1-	-	17.00" x 4.00" x 18.00"

Streetside interior wall

Date: 2023-09-28 rev.0

Scale:
Draft

Section 5, Iteml.



Compartment	Opening L x H	Interior dimensions L x H x D	Compartment	Opening L x H	Interior dimensions L x H x D
Storage cabinet -SA-	41.50" x 16.00"	42.50" x 16.75" x 16.00"	Storage drawer -SD-	-	12.00" x 4.50" x 12.50"
Storage cabinet -NS2-	31.50" x 6.75"	32.00" x 8.00" x 6.00"	Storage cabinet -NS3-	28.25" x 13.50"	29.25" x 14.75" x 11.00"
Storage cabinet -SB-	41.50" x 16.00"	41.75" x 16.25" x 11.00"	Storage cabinet -SE-	16.50" x 54.25"	*25.50" x 57.25" x *15.75"
Storage cabinet -SC-	24.00" x 19.25"	25.00" x 20.25" x 16.00"			

*The provided dimension is the maximum possible due to the angular configuration of the cabinet.

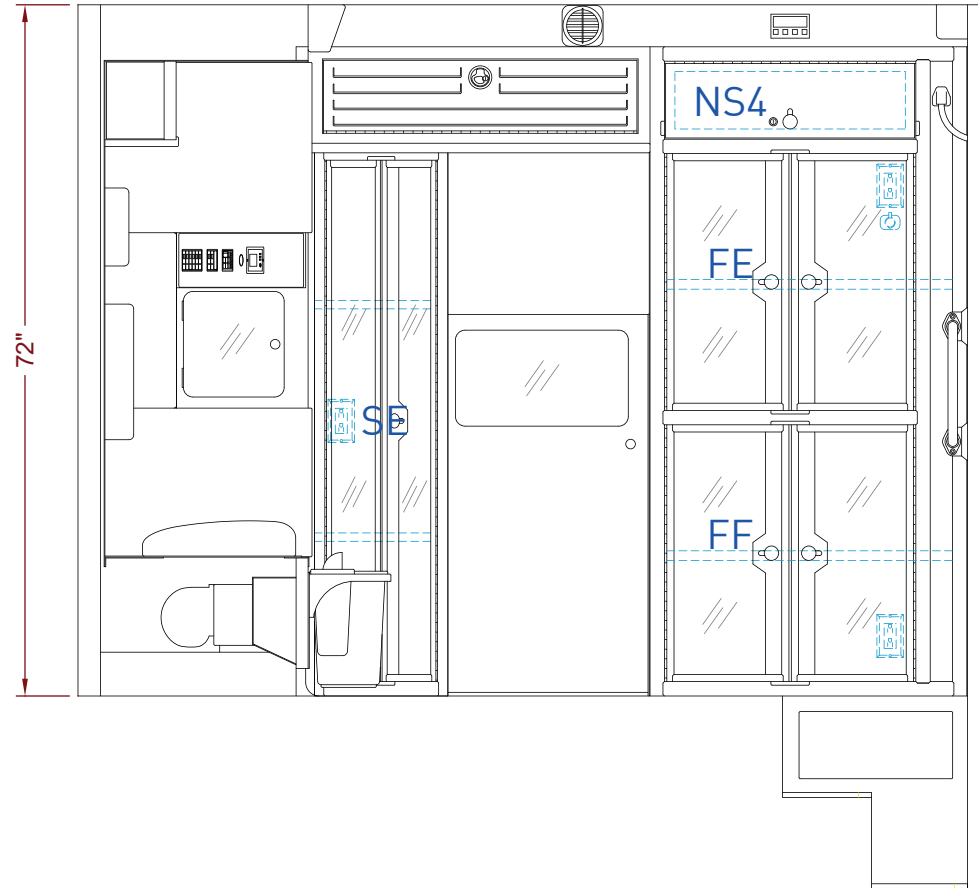
Front interior wall

Date: 2023-09-28 rev.0

Scale:

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Section 5, Item 1.

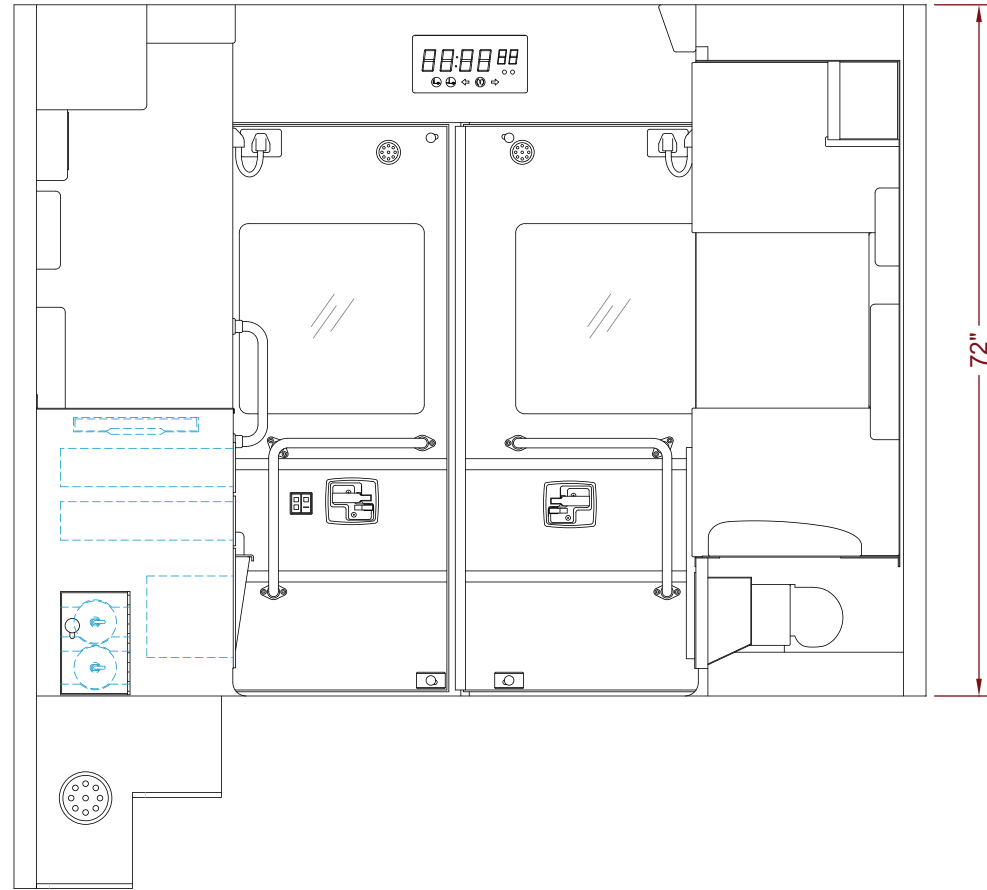


Compartment	Opening L x H	Interior dimensions L x H x D
Heated comp. -NS4-	26.00" x 8.00"	24.00" x 6.00" x 13.75"
High ALS comp. -FE-	26.00" x 26.75"	32.00" x 28.00" x 30.25"
Low ALS comp. -FF-	26.00" x 26.75"	32.00" x 29.25" x 30.25"

Rear interior wall

Date: 2023-09-28 rev.0
Scale:
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Section 5, Item 1.



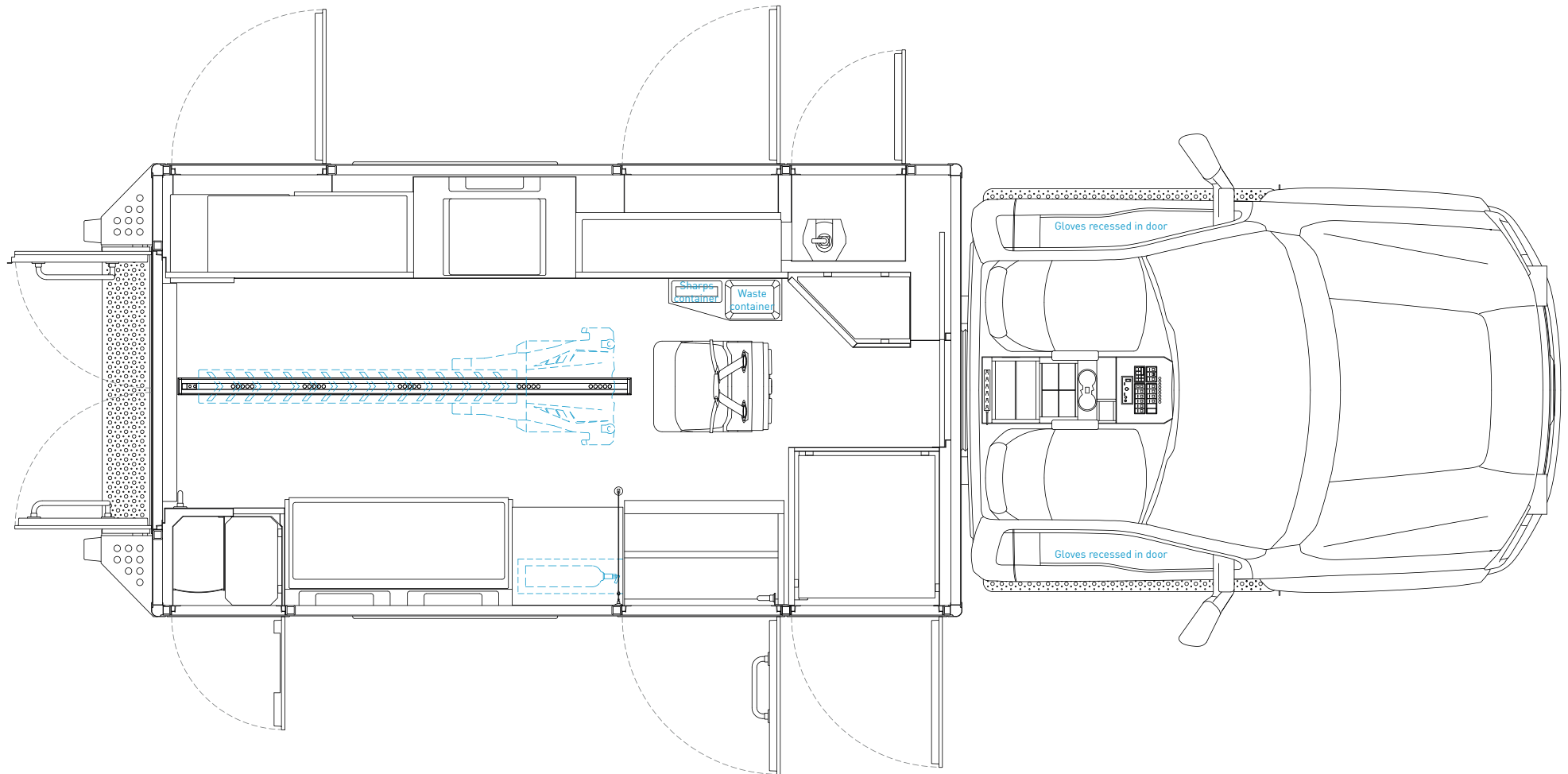
Floor view

Date: 2023-09-28 rev.0

Scale:

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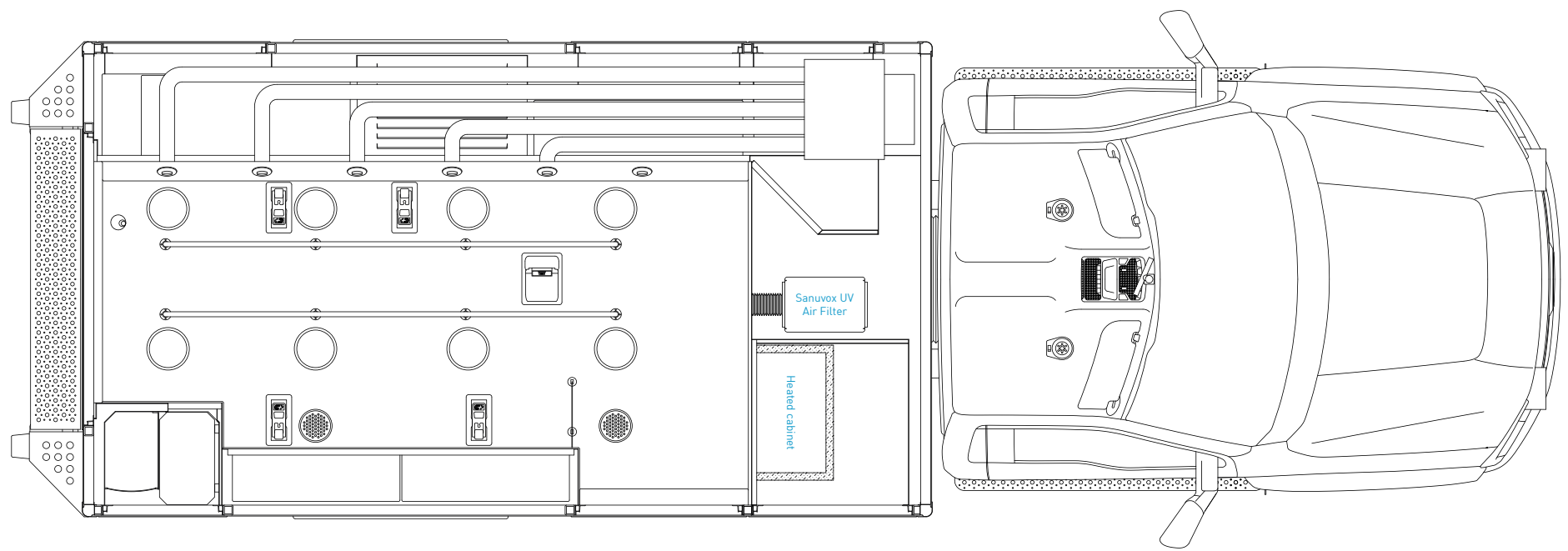
Section 5, Item 1.



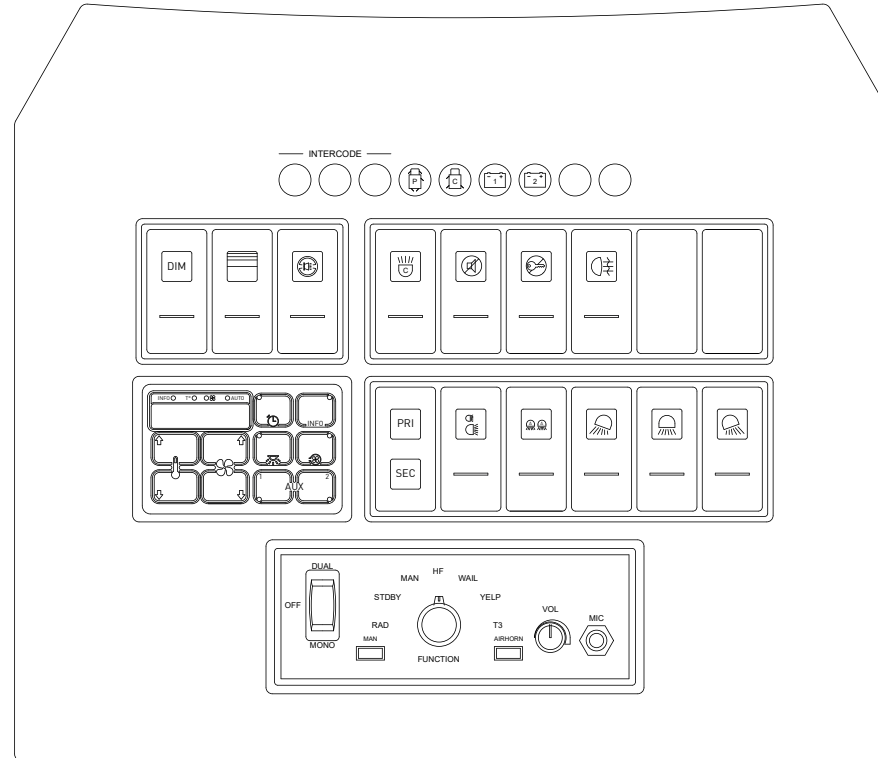
Ceiling view

Date: 2023-09-28 rev.0
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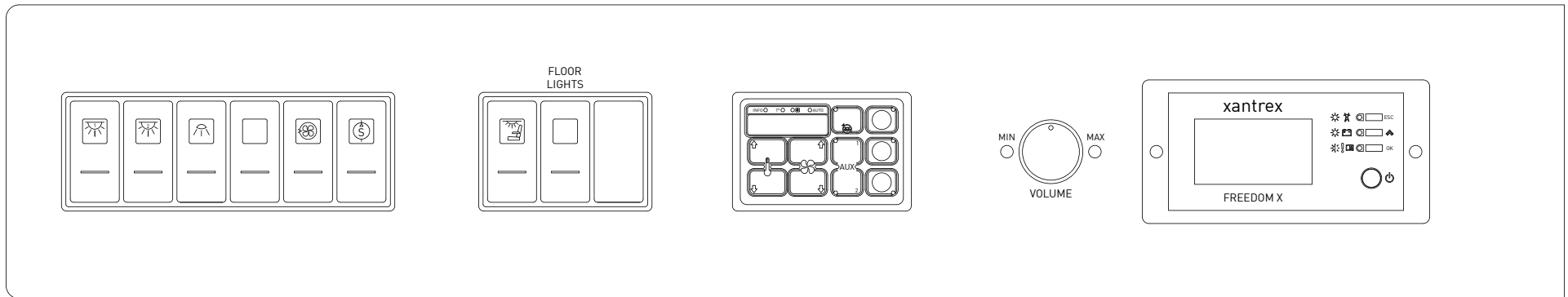
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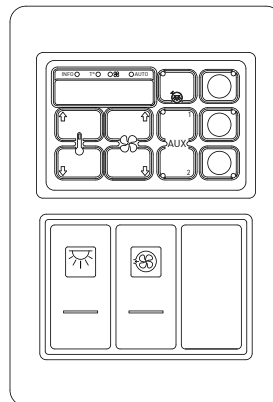
Front console



Streetside console

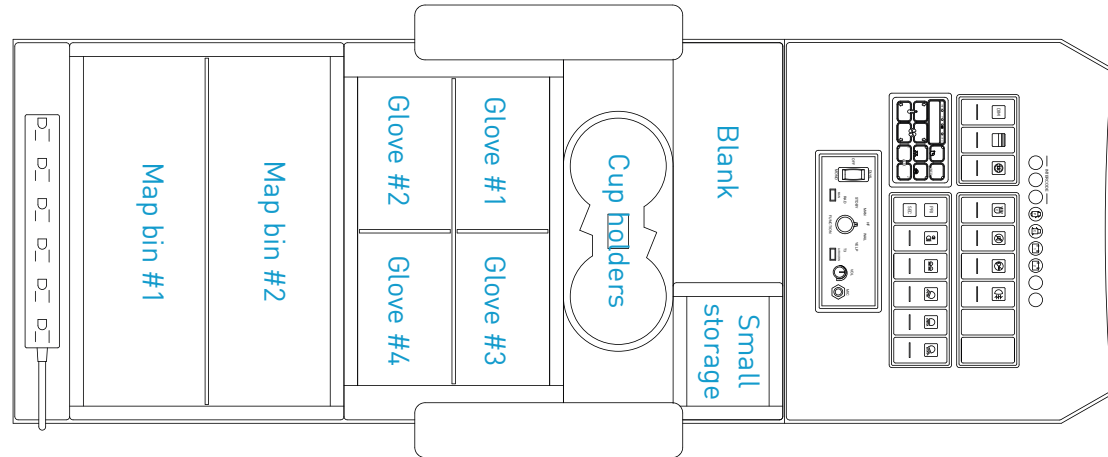


Curbside console

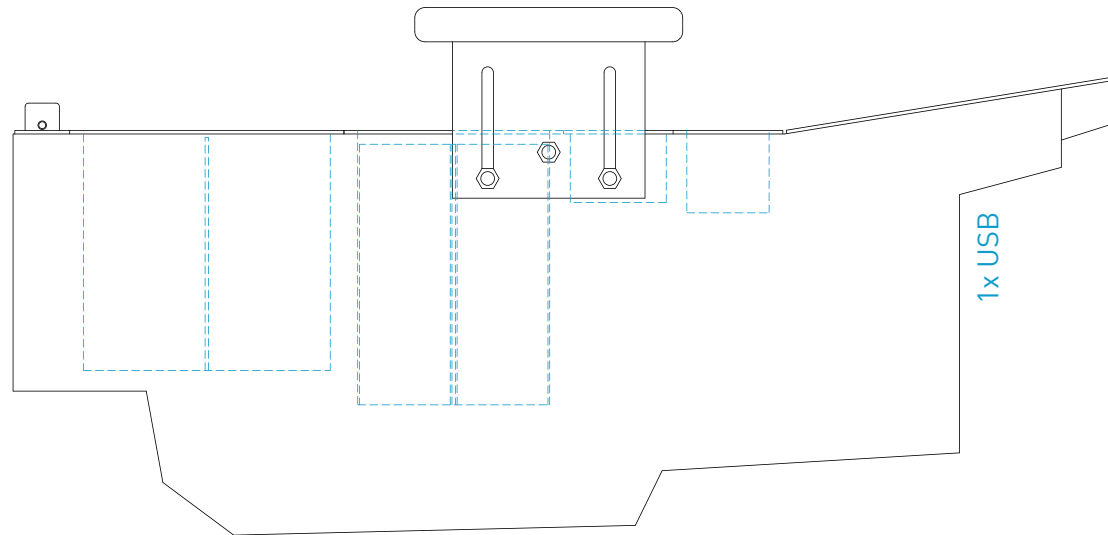


Floor console details

Top view



Side view




Proposal Summary

Reference: QUO000009219 **Rev:** 2
Purchaser: Pomasl Fire Equipment
Contact: Kevin Pomasl

Opportunity: Pomasl Stock - MXP170 F450 gas
Account: Pomasl Fire Equipment
Contact: Kevin Pomasl
Delivery: 1918 Neva Road
Address: Antigo, WI 54409

Sales Contact: Kevin Pomasl
Mobile: 715-610-4210
Phone: 715-623-7454

Name	Specifications
<p>Type I - MXP170</p> 	<p>Overall Length: 311" Overall Width: 95" Overall Height: 110" Headroom: 72" Wheelbase: 192"</p> <p>Total height of vehicle may differ according to chassis and suspension</p>

Sales Options by Category

10-Base (BAS)

Item Number	Name/Description	Quantity
BAS-DRW-11	Drawing Required Drawing Required	1.00
BAS-PLA-12	TYPE I - MXP170 TYPE I - MXP170	1.00
BAS-TYP-11	Type I - Pick up Type I - Pick up	1.00

11-Chassis (CH*)

Item Number	Name/Description	Quantity
CHP-FRD-00	Conversion Ford F450 Chassis Cab Conversion Ford F450 Chassis Cab	1.00
CHP-FRD-27	Ford F450 XLT Super Duty Ford F450 XLT Super Duty Gas Chassis Cab <ul style="list-style-type: none"> • 4X4 • 7.3L 2V DEVCT NA PFI V8 Gasoline Engine • Wheelbase 193" • GVWR (Gross vehicle weight rating) 16,500 Lbs. 	1.00



- Movable pedals
- 8.0" touch screen in chassis dash
- SYNC4
- Aluminum wheels
- Dual under hood batteries

CHP-RCA-00 **Regular chassis cab** 1.00
 Regular chassis cab

12-Suspension (SUS)

Item Number	Name/Description	Quantity
SUS-LIQ-11	LiquidSpring™ Suspension Type I Compressible Liquid Adaptive Suspension System, is a smart suspension systems. Liquid-based struts and an on-board processor provide better handling and control, and a smoother, softer ride. The reduced vehicle vibration increases comfort.	1.00

13-Module (MOD)

Item Number	Name/Description	Quantity
MOD-ALU-14	MXP170 Ambulance Module Ambulance Module Structure / Door Structure and Accessories	1.00

170" long ambulance body x 95" wide with 72" interior headroom

- Advanced Safety Testing** per attached specifications:
- Ambulance will meet all North American Testing requirements (both USA and Canada) to provide superior strength and safety
 - Cabinet Structural testing, up to 13,000 lb. pull test
 - Passenger and safety restraint load test, 5,100 lb. pull test
 - Safety seat test, 5,035 lb. pull test
 - Main cot retention, 5,034 lb. pull test
 - Safety net, 3,080 lb. pull test
 - Grab rail pull testing, 500 lbs.
 - Static load test – side
 - Static load test – roof
 - Sound level testing of patient interior and cab interior
 - Climate control testing to AMD requirements: both heating and cooling

Drop Skirts:
 On **both sides** of the ambulance module, there shall be a **6" drop skirt**.

Lifetime Structural Warranty
Lifetime Cabinet Warranty

SR00173905 **Additional Insulation Package** 1.00
Additional layer of insulation (in addition to standard) to provide two layers of insulation for Super Heat/Cold retention.

Also install **sound deadening** over rear wheel, behind rear wheel, and under module in specific areas to reduce exterior sounds from entering patient area

Super insulation package significantly increases heat/cold retention in patient area and reduces exterior sounds from entering patient area to provide superior comfort for



medics and patients.

- ADDITIONAL LAYER OF 1 IN FIBRE GLASS INSULATION (IN ADDITION TO STANDARD 1 IN INSULATION) FOR A TOTAL OF 2 IN. INCLUDES SOUND DEADENING OVER WHEEL WELLS AND ABSORPTIVE MATERIAL INSIDE WHEEL OPENING

14-Module Configuration (MCF)

Item Number	Name/Description	Quantity
MCF-CC1-11	<p>C1 Door, ALS Access and Battery Location First door on curbside (C1) for In/Out ALS compartment access</p> <p>Battery slide out sealed compartment under ALS with conversions batteries installed. Sealed storage area.</p>	1.00
MCF-CC2-11	<p>C2, Curbside Entry Door, with Opening Window Side entry door on curbside (C2) for patient compartment access, with flush-mounted automotive-style window.</p> <ul style="list-style-type: none"> - Demers specific flush mounted window that <u>does not leak salt</u> - Lock / Unlock door switch installed on side entry door - Emergency release latches installed on top and bottom door latch 	1.00
MCF-CC3-11	<p>C3 Door, Storage Exterior Compartment Third door on curbside (C3) for backboard or other storage.</p>	1.00
MCF-CC3-13	<p>Stair Chair Location, Two (2) Adjustable Shelves C3 with center backboard divider and stair chair location forward of divider with pocket in the door and two (2) adjustable shelves above stair chair location</p> <p>Retaining safety belt for backboard in C3 compartment – full width to secure both backboards and stair chair.</p>	1.00
MCF-CC3-22	<p>Third door (C3) Compartment In/Out Access Third door (C3) Compartment In/Out Access</p>	1.00
MCF-RDR-13	<p>A1 and A2, Rear Entry Doors, with Defrost Two (2) rear entry doors for patient compartment access, each with its individual exterior door handle. Includes frameless flush-mounted tinted windows and defrost feature.</p> <ul style="list-style-type: none"> - Demers specific flush mounted windows that <u>do not leak salt</u> - Lock / Unlock door switch installed on right rear entry door - Liquid Spring override switch installed on right rear entry door - Emergency release latches installed on top and bottom door latch 	1.00
MCF-SS1-11	<p>S1 Door, Main Oxygen Exterior Compartment First door on streetside (S1) for main vertical oxygen cylinder.</p>	1.00
MCF-SS2-15	<p>S2 Door, Storage Exterior Comp Second door on streetside (S2) for equipment storage for MXP170.</p>	1.00
MCF-SS2-16	<p>Full-Depth Shelf, One (1), Adjustable One (1) full-depth, adjustable shelf in S2 compartment.</p>	1.00

MCF-SS2-13	REMOVED – Stair Chair Holder on Compartment Door Stair chair holder on S2 compartment door.	1.00
MCF-ELE-11	E Door, Electrical Exterior Compartment Upper door (E) for electrical panel access.	1.00
MCF-SS3-12	S3 Compartment, Equipment Storage, In/Out Access Third door on streetside (S3) for equipment storage, with interior/exterior access.	1.00
MCF-SS3-13	Full-Depth Shelves, Two (2), Adjustable Two (2) full-depth, adjustable shelves in S3 compartment.	1.00
MCF-CML-12	High-Intensity LED Tube Lighting High-intensity LED lighting installed in all exterior compartment LED light to illuminate Side entry doorsteps	1.00

15-Lighting (LGT)

<i>Item Number</i>	<i>Name/Description</i>	<i>Quantity</i>
LGT-FSL-14	Turn Signal Arrows, Amber (2), LED Two (2) amber turn-signal arrows, installed on the front of the module. Whelen M6 series (6 x 4) LED lights.	1.00
LGT-LSL-14	Turn Signal Lights, Amber (2), LED Two (2) amber turn-signal lights, over the rear wheels. Whelen M7 series (7 x 3) LED lights.	1.00
LGT-RSL-18	Third Upper Brake Light, LED Third upper brake light at rear of module. Whelen M6 series (6 x 4) LED light.	1.00
LGT-RSL-24	Rear Step Plate: Turn Signal Light, Brake, Reverse Two (2) LED red brake Two (2) LED amber turn lights Two (2) LED white reverse lights - installed in rear step plate, Round LED lights.	1.00
LGT-RSL-27	Turn Signal Arrows, Mid-Height, Amber (2), LED Two (2) amber turn-signal arrows, installed at mid-height on the rear of the module. Whelen M9 series (10 x 6) LED lights.	1.00
LGT-TPL-11	Marker Lights, Amber (7) and Red (7), LED Seven (7) front upper center and corner amber LED marker lights. Seven (7) rear upper center and corner red LED marker lights.	1.00
LGT-TPL-12	Marker Lights, Two (2) rear mid-height red LED Two (2) rear mid-height red LED marker lights.	1.00
SR00173897	Fog Light Pre-Wire Pre-wire for future fog lights: switch in console with wiring routed to and tied up behind center of front bumper	1.00

16-Emergency and Working Lights (EWL)

Item Number	Name/Description	Quantity
EWL-ACC-15	Dimmer switch for Emergency lights Dimmer switch for emergency lights	1.00
EWL-BEZ-11	Chrome bezels Chrome bezels	32.00
EWL-Upgrade	Whelen M-Series Upgrade All the warning lights upgraded to Whelen M-Series warning lights with a LIFETIME WARRANTY .	1.00
EWL-FWD-20	Emergency Lights, (7) on Front Body Seven (7) emergency lights installed on the front of the module - Whelen M9 series (10 x 6) LED lights. <ul style="list-style-type: none"> - Red / White / Red / White / Red / White / Red - The center white M9 light will be programmed to a 'Pinwheel' pattern 	1.00
EWL-GRL-19	Lights in Front Grille, Red (2), White (2) Four (4) Whelen TLI* LED warning lights to be installed on the front of the apparatus. <ul style="list-style-type: none"> - Two (2) red upper grill lights - Two (2) white lower grill lights with Wig Wag flash pattern. 	1.00
EWL-ITC-14	Intersection Lights, Clear/Red (2), LED Two (2) clear/red intersection lights with turning priority . Whelen M7 series (7 x 3) LED lights installed on the chassis fenders above the front wheels.	1.00
EWL-LTI-12	Emergency Lights, Red (2), LED, Over the Rear Wheels Two (2) white/red emergency lights, intermediate side mount above the rear wheels. Whelen M7 series (7 x 3) LED lights.	1.00
EWL-LTS-18	Four (4) red LED lateral emergency lights (M9) Four (4) red lateral emergency lights (two (2) on each side). Whelen M9 series (10 x 6) LED lights.	1.00
EWL-LTS-20	Scene Lights, Four (4), Clear LED, (M9) Four (4) side facing LED scene lights (two (2) on each side). Whelen M9 series (10 x 6) LED scene lights.	1.00
EWL-RER-17	Emergency Lights, Red (2), LED, Rear Corners Two (2) red rear emergency lights at upper rear corners. Whelen M9 series (10 x 6) LED lights.	1.00
EWL-RER-18	Emergency Lights, Amber (2), LED Two (2) rear upper amber lights. Whelen M6 series (6 x 4) LED lights.	1.00
EWL-RER-19	Loading Lights, Two (2), LED Two (2) rear loading lights. Whelen M6 series (6 x 4) LED lights.	1.00
EWL-RER-20	Emergency Lights, Red (2), LED, Addt'l, Window Hgt Two (2) additional red lights at window height. Whelen M9 series (10 x 6) LED lights.	1.00



EWL-INT-11	Emergency Lights on Inside of Doors, One (1) each One red emergency light on each compartment and entry door inside panel. Total of eight (8) round LED lights.	1.00
SR00173884	Grill Lights, Ship Loose Install wiring and connectors on all four grill lights and ship loose for dealer to install. Dealer will be installing a custom front bumper grill guard and wants to install lights after installing the grill guard	1.00
SR00173895	Warning Lights Above Rub Rails Whelen ION T-series lights with chrome bezels installed above rub rails for warning lights - R/W/R/W	1.00

17-Audible Warning System (WRN)

Item Number	Name/Description	Quantity
WRN-BUA-11	Back-Up Alarm Back up alarm (97dB) with override switch.	1.00
WRN-SIR-17	Siren Whelen 295HFSC9 dual tone. Upgrade to Siren Whelen 295HFSC9 dual tone with plug-in (removable) microphone.	1.00
WRN-SPK-11	Whelen SA315 Series Speakers Whelen SA315 series speakers is a compact speaker meeting SAE Class A requirements when paired with Whelen 100-watt siren amplifier.	1.00

18-Exterior Vehicle features (VFT)

Item Number	Name/Description	Quantity
VFT-ACC-12	Wheels valve stem extensions Braided Stainless Steel Valve Stem Extensions installed	1.00
VFT-CHP-13	Rear Tow Hooks Two (2) tow hooks are installed in the rear step plate.	1.00
VFT-FUL-11	Fuel Fill A full tank of fuel will be provided at delivery to your station.	1.00
VFT-MIR-11	OEM exterior mirrors Keep OEM exterior mirrors	1.00
VFT-MOP-11	Module Rub Rails, Aluminum Aluminium rub rails on module sides.	1.00
VFT-MOP-12	Module Corner Protectors, Stainless-Steel Stainless-steel protectors on module corners.	1.00
VFT-MOP-13	Module Wheel Trims, Fiberglass Formed fiberglass wheel trimming on module.	1.00
VFT-MOP-14	Undercoating Protection Undercoating protection for module and chassis.	1.00



VFT-MOP-15	Rear Wheel Mud Guards Mud guards on module for rear wheels.	1.00
VFT-PLT-11	License Plate with Light Surface mounted license plate location with LED light.	1.00
VFT-STP-11	Cab Steps, Anti-Skid Material with Mud Guards Anti-skid ' Grip Strut ' chassis running board steps. Includes mud guards for front wheels.	1.00
VFT-STP-12	Rear Step Bumper, Retractable Center Section Anti-skid ' Grip Strut ' rear flip up step with Diamond plate corner bumper pods and Rubber dock bumpers.	1.00

19-Convenience (CNV)

Item Number	Name/Description	Quantity
CNV-ACC-13	Valet Switch in Front Grille The power lock hidden unlock switch is located on the back of the front grille, on the driver's side half portion of the grille. It allows to unlock all doors of the vehicle but cannot lock the doors.	1.00
CNV-ACC-15	Demers Fast Idle Demers fast idle is generated by the multiplex module, it allows fast charging of the batteries by the engine when specific conditions are met.	1.00
CNV-CAM-11	Black Back-Up Camera Zone Defense standard back-up camera with build-in audio support and infra-red night vision.	1.00
CNV-CAM-12	Black Dome Interior Camera Zone Defense dome interior patient area camera with build-in audio support and 120 degree viewing angle.	1.00
CNV-CAM-16	7 inches Monitor RearView Safety 7" backup digital LCD monitor is a stand-alone 7 monitor and cable kit that connects to camera installed on your vehicle.	1.00
CNV-LCK-11	Anti-Theft System The anti-theft allows medic to leave the vehicle with the keys with the engine running to keep the vehicle at the ideal operating temperature. It protects against theft by running off the engine if the vehicle moves.	1.00
CNV-LCK-12	ECOSMART Anti-Idling System The ECOSMART Anti-Idling System automatically stops the engine and restarts the engine of the vehicle in idling conditions. The ECOSMART Anti-Idling System is managed by the Demers Electronic Multiplex System (DEMS).	1.00

21-Paint and Decals (DEC)

Item Number	Name/Description	Quantity
DEC-PNT-11	Tri-Star Urethane Paint All exposed metal surfaces that are not plated or stainless steel shall be cleaned and	1.00

prepared and shall be painted or coated. The paint or coating, including any primer, shall be applied in accordance with the manufacturer's recommendation. The paint used shall be from Tristar, a high built polyurethane surface over epoxy primer application using one (1) acid stabilizing treatment. This paint is preferred by the purchaser as it has a durable lifespan, is resilient to harsh climates and remains pliable even in its hardened state to prevent cracking and chipping from normal ambulance body torsion.

The paint process will consist of two (2) coats of primer and two (2) topcoats. The primer will be an epoxy/polyamide strontium chromate primer boasting excellent impact and chemical resistance designed specifically for the aerospace industry's high-performance requirements.

The base primer coat will need to pass the following tests, with testing documentation:

Impact Resistance: No flaking or cracking when subjected to 40-inch pounds direct impact or a 40-inch pounds reverse impact.

Hardness: Pencil Hardness 2H minimum.

Fuel Resistance: Withstands immersion of Jet A1 Fuel for 14 days at ambient temperatures without showing any defects. After a 24-hour recovery period, the primer regains its pretest hardness.

Lubricating Oil Resistance: Withstands immersion in lubricating oil at 25° C for 14 days without showing any softening, blistering, or loss of adhesion.

Hydraulic Fluid Resistance: Withstands immersion in Skydrol hydraulic fluid without showing any defects for 30 days.

Salt Spray Resistance: With a scribed film at an angle of 6°, it exhibits no blistering, lifting of the primer, or substrate corrosion after exposure to 5% salt spray following ASTM B117 on treated aluminum substrate 3000 hours.

Water Resistance: No blistering or loss of adhesion after 14 hours immersion in distilled water at ambient temperature. Will regain its pretest hardness after a recovery period of 24 hours.

The manufacturer's paint facility shall be free of dust and contaminants that could have an adverse effect on the paint finish. The manufacturer's paint facility shall also be certified to apply the paint specified.

The aluminum structure shall be prepared by thoroughly washing the aluminum body with wax and grease remover, preferred product is PPG DX440.

The surfaces shall be sanded smooth. All sand and dust shall be removed with air when sanding is complete and rewashing with PPG DX-440.

A pre-treatment shall be used for better adhesion. This pre-treatment is a phosphoric acid base, non-flammable and specifically designed for aluminum substrate. The process of using a non-flammable phosphoric acid involves removing any surface contaminants, then chemically preparing a clean surface. This process increases the

overall surface area, promote adhesion, enhanced corrosion, and blister resistance.

A two (2) stage epoxy primer layering process shall be applied to the module and all painted components. This primer stage is critical to the adhesion of the paint and shall be necessary to the paint process. A 1.5 mil of Starproxy primer application shall be used. After adequate drying time, a second layer of the Starproxy primer shall be applied. When completed, the finished primer layer shall be two (2) layers thick and shall be sanded smooth to a surface grade of 9 or 10. If during the sanding process the primer is partially removed and the aluminum is no longer covered by the primer layer, a primer layer must be added in the exposed area. This application allows for superior adhesion to the module body.

The finish coat shall be applied and be allowed to dry for the paint manufacturers recommended amount of time. A second finish coat shall be applied. All imperfections shall be sanded; the finish shall be free of any runs, fisheyes, and other paint blemishes

- **5-year / 180,000-mile paint warranty – 100% coverage** for defects and corrosion for full five (5) years. We have been a dealer for 10-years and to date, we have had ZERO paint warranty claims.

The ambulance body will be painted **WHITE** to match the chassis.

DEC-PNT-17	REMOVED Custom Paint Module to match OEM chassis color Module to be painted RED with urethane and clear coat to match OEM chassis ordered RED (includes module roof RED) - Ambulance body will be painted white	1.00
GRAPHICS	Graphics Allowance – Dealers Supplied A graphics allowance of \$ 7,500.00 is included for the future design and installation of graphics and lettering.	1.00

22-Drivers Compartment (CAB)

Item Number	Name/Description	Quantity
CAB-ACC-17	Glove Storage in Cab OEM Door Panels, Loose Gloves Glove storage compartment in OEM door panels for loose gloves.	1.00
CAB-CON-11	Floor-Mounted Console with control Floor-mounted console in front cab.	1.00
CAB-CTR-13	Control Center with Switches and Touch Pad Control center with rocker switches with LED backlit pictograms will be installed in the floor mounted console. - Full function of warning lights and patient area from cab via touch screen and rocker switches	1.00
CAB-CON-14	Armrests, Driver and Passenger, Individual Individual driver- and passenger-side armrests on sides of floor-mounted console.	1.00
CAB-LGT-15	Blank removable panels Blank removable panels will be installed in the cab console for the future installation of the mobile radio and other customer supplied equipment. Panels will be easily	1.00



removable with four screws. Panels will be movable to allow for a custom order per the customer's needs.

CAB-CON-15	Cup Holders, Dual, in Floor-Mounted Console Dual cup holders in floor-mounted console.	1.00
CAB-CON-29	Map bin storage (Dual) - Floor Console Map Bin Storage with Dual (2-slotted sections) - Floor Console	1.00
CAB-LGT-11	Cab headliner with Reading Lights, Red/Clear (2) Two (2) clear and red overhead LED reading lights.	1.00
SR00173887	Holder in cab console Install small square misc. item holder in cab console. Install in same plate as siren control head. Install on the right side of the siren control head.	1.00
SR00173899	REMOVED Glove box, (4), cab console Install 4 place glove box holder in the cab console rear of the map storage bin.	1.00

23-Curbside Configuration (CRB)

<i>Item Number</i>	<i>Name/Description</i>	<i>Quantity</i>
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The overall cabinet structure shall consist of interlocking extrusions. Extruded framework shall provide the structural integrity of the cabinets as well as creating the individual cabinet sections. These extrusions shall be custom fit and CNC cut to form the cabinet configuration. All cabinet extrusions shall incorporate a rounded edge to give an aesthetically pleasing appearance as well as providing a smooth, safe surface for the crew member. Mitered box framed cabinetry will not be accepted as a mitered corner produces sharp edges and potential gaps. Each interlocking extrusion joint shall be attached by two (2) hex machine bolts into the extrusion via a tap and die holes. These fasteners shall lock the cabinet frame structure into place and shall prevent the cabinet sections from twisting. Cabinet inserts shall be placed on the lip of the extrusion and shall be fixed with an adhesive as well as mechanically fastened into position. This structure alone shall resist to the pull test, the structural integrity of the cabinetry is not reliant on the interior storage cavity.

All cabinets shall be easy to clean, impervious to soap, water, body fluids, and disinfectants and shall be mildew resistant.

The compartment and closure device of the doors must meet KKK-A-1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity. The SAE J3058 explains dynamic and static testing procedures for evaluating the integrity of the cabinet and cabinet latch integrity standard, which will ensure cabinets retain rated equipment up to 40 lbs.

CRB-CON-18	Front curbside cabinet with squad bench. Front curbside cabinet with a 2- seat position squad bench will be installed on the curbside. <ul style="list-style-type: none"> - Two (2) slide out drawer facing the cot. - Slide Out sharps and waste facing the cot below the above drawers. - Second patient securement brackets will be provided and shipped loose with retaining straps 	1.00
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CRB-CON-22	Convert tilt-out into drawer Drawer with waste (size) & sharps (1L) containers inside forward curbside cabinet. Deletes standard tilt-out.	1.00
CRB-NET-11	Safety Net Safety net at the head of the curbside configuration, by the side entry door (C2).	1.00
CRB-TEC-11	Full-Length Seat Cushion Full-length, thermoformed, molded seat cushion.	1.00
CRB-TEC-14	Seat Backrest Individual, thermoformed, molded backrests.	3.00
CRB-TEC-23	Seating, Two (2) Passengers, 1-Click, 4-Point 6-Point Safety Belts Seating for three (3) passengers with 6-point safety belts. Space for Flip-down and hands-free opening mechanism.	1.00
FCT-RGT-26	Glove Box Holder - Five (5) Glove Box Holder - Five (5) below curbside upper cabinet	1.00
FCT-RGT-35	Cabinet above the squad bench A curbside cabinet above squad bench shall be installed that is as large as possible to meet 43" headroom requirement. The approximate dimensions shall be 33.50" wide x 9.50" high x 8.50" deep for <u>each cabinet</u> – Total cabinet width of 67.00" wide. Each cabinet will have (2) sliding doors. - LED strip lighting shall be installed.	1.00
SR00173879	Second Patient Brackets, Curbside Second patient brackets and straps above squad bench cabinet for securing backboard / second patient see F19P-460 Pomasl Demo	1.00

24-Streetside Configuration (STR)

Item Number	Name/Description	Quantity
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The overall cabinet structure shall consist of interlocking extrusions. Extruded framework shall provide the structural integrity of the cabinets as well as creating the individual cabinet sections. These extrusions shall be custom fit and CNC cut to form the cabinet configuration. All cabinet extrusions shall incorporate a rounded edge to give an aesthetically pleasing appearance as well as providing a smooth, safe surface for the crew member. Mitered box framed cabinetry will not be accepted as a mitered corner produces sharp edges and potential gaps. Each interlocking extrusion joint shall be attached by two (2) hex machine bolts into the extrusion via a tap and die holes. These fasteners shall lock the cabinet frame structure into place and shall prevent the cabinet sections from twisting. Cabinet inserts shall be placed on the lip of the extrusion and shall be fixed with an adhesive as well as mechanically fastened into position. This structure alone shall resist to the pull test, the structural integrity of the cabinetry is not reliant on the interior storage cavity.

All cabinets shall be easy to clean, impervious to soap, water, body fluids, and disinfectants and shall be mildew resistant.

The compartment and closure device of the doors must meet KKK-A-1822F Change

Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity. The SAE J3058 explains dynamic and static testing procedures for evaluating the integrity of the cabinet and cabinet latch integrity standard, which will ensure cabinets retain rated equipment up to 40 lbs.

STR-ACS-01	<p>Primary action area A counter with a 1.0" lip shall be installed on top of the primary action counter.</p> <p>Two (2) oxygen outlets shall be installed above the counter.</p> <p>A manual bypass valve / oxygen override switch shall be installed next to the oxygen outlets.</p> <p>A manual suction regulator shall be installed above the counter with a Rico suction container will be provided.</p> <p>An angled black panel will be installed below the upper cabinet with rocker switch controls for the dome lights, suction, cabinet lighting, action area light, the inverter control panel, and other functions to duplicate the curbside touch screen controls.</p>	1.00
STR-ACS-24	<p>Suction Recessed Below Counter The suction container will be recess mounted below the counter next to the CPR seat.</p>	1.00
STR-ACS-25	<p>Storage cabinet below action area Storage cabinet below action area with sliding windows. (Reduce storage space inside S2 compartment)</p>	1.00
FCT-LFT-27	<p>Waste container with support bracket Waste container with support bracket, surface mount below the ECC counter. A 3-gallon Rubbermaid S-14491 will be provided.</p> <ul style="list-style-type: none"> - Location as follows: Mount on street wall under ECC counter / storage cabinet - to hold large waste & sharps 	1.00
FCT-LFT-33	<p>Additional sharps container Additional sharps container with bracket.</p> <ul style="list-style-type: none"> - Location as follows: Mount on street wall under ECC counter / storage cabinet - to hold large waste & sharps 	1.00
STR-ACS-27	<p>Cabinet above main counter A large storage cabinet shall be installed above the street side forward primary counter with two sliding doors. The approximate interior dimensions shall be a 42.50" long x 16.75" high x 11.00" deep.</p> <ul style="list-style-type: none"> - One (1) adjustable shelf shall be installed. - Five (5) adjustable dividers shall be installed on the floor of the cabinet. - Five (5) adjustable dividers shall be installed on the shelf. - LED strip lighting shall be installed. <p>Restocking Feature: A piano style hinge shall be securely fastened to the top of the cabinet structure. Two (2) gas struts, one (1) on each side, shall be installed on the side of the cabinet to lift the cabinet's face when the two elbow latches are released. The</p>	1.00

bottom lip of the cavity shall have a door stopper on which a pvc coating is applied to eliminate vibrations of the flip up.

The compartment and closure device of the doors must meet KKK-A-1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity. The SAE J3058 explains dynamic and static testing procedures for evaluating the integrity of the cabinet and cabinet latch integrity standard, which will ensure cabinets retain rated equipment up to 40lbs.

STR-ACS-34 Storage cabinet above CPR seat (not KKK) 1.00
Additional storage cabinet above CPR seat with flip-up door

STR-REA-12 CPR Seat 1.00
A CPR seat will be provided. Seating for one EMT with 1-click, 4-point safety belt, no storage under the seat.

At the rear of the area will be a standard size counter with a 1.0" lip will be provided.

STR-REA-15 (2) Drawers under the rear counter 1.00
Two (2) slide out drawers will be installed under the rear counter rear of the CPR seat.

STR-MED-12 Upper rear interior storage cabinet 1.00
A large storage cabinet shall be in the upper section towards the rear with two (2) sliding doors. This cabinet shall extend from the CPR seat to rear door area. The approximate interior dimensions shall be a 41.75" long x 16.25" high x 16.00" deep.

- One (1) adjustable shelf shall be installed.
- **Five (5) adjustable dividers** shall be installed on the floor of the cabinet.
- **Five (5) adjustable dividers** shall be installed on the shelf.
- **LED strip lighting** shall be installed.

Restocking Feature: A piano style hinge shall be securely fastened to the top of the cabinet structure. Two (2) gas struts, one (1) on each side, shall be installed on the side of the cabinet to lift the cabinet's face when the two elbow latches are released. The bottom lip of the cavity shall have a door stopper on which a pvc coating is applied to eliminate vibrations of the flip up.

The compartment and closure device of the doors must meet KKK-A-1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity. The SAE J3058 explains dynamic and static testing procedures for evaluating the integrity of the cabinet and cabinet latch integrity standard, which will ensure cabinets retain rated equipment up to 40lbs.

STR-MED-12 Medical Cabinet, Rear Middle, Interior/Exterior Access 1.00
A storage cabinet shall be in the rear middle section with two (2) sliding doors. This cabinet shall rearward of the section action counter. The cabinet will provide In/out access to the S3 exterior compartment. The approximate interior dimensions shall be a 41.75" long x 16.25" high x 16.00" deep.

- One (1) adjustable shelf shall be installed.
- **Five (5) adjustable dividers** shall be installed on the floor of the cabinet.

- **Five (5) adjustable dividers** shall be installed on the shelf.
- **LED strip lighting** shall be installed.

Restocking Feature: A piano style hinge shall be securely fastened to the top of the cabinet structure. Two (2) gas struts, one (1) on each side, shall be installed on the side of the cabinet to lift the cabinet's face when the two elbow latches are released. The bottom lip of the cavity shall have a door stopper on which a pvc coating is applied to eliminate vibrations of the flip up.

The compartment and closure device of the doors must meet KKK-A-1822F Change Notice 10 compliant to meet: SAE J3058 - Ambulance Interior Storage Compartment Integrity. The SAE J3058 explains dynamic and static testing procedures for evaluating the integrity of the cabinet and cabinet latch integrity standard, which will ensure cabinets retain rated equipment up to 40lbs.

FCT-LFT-17	Glove Box (4) Holders at Rear of Medical Cabinet Recessed holder to contain four (4) gloves box, at rear of medical cabinet next to rear entry door. Restocking via pivoting door. (Glove box not included)	1.00
SR00173888	Adjustable Dividers, Street Side Cabinets Adjustable dividers on bottom of BOTH street side upper cabinets	1.00
SR00173901	Adjustable Dividers, Street side under counter Install adjustable dividers in cabinet under the ECC primary counter	1.00

25-Forward Bulkhead (FWB)

Item Number	Name/Description	Quantity
FWB-DIV-11	Sliding Door Crawl-Through Crawl-through with sliding door on front division to access to the cab. Opening will be approximately 20" wide x the height of the cab to the floor of the patient area.	1.00
FWB-LFT-11	Corner Cabinet, Streetside, Two Adjustable Shelves Corner cabinet on streetside of front wall. Includes two (2) hinged aluminum extruded doors with see through windows <ul style="list-style-type: none"> - Two (2) adjustable shelves - LED strip lighting installed. 	1.00
FWB-LFT-14	Locking Radio Communication Compartment Lockable compartment on street side for radio communication	1.00
FWB-RGT-12	ALS Cabinet – In/Out to exterior C1 door The ALS cabinet shall be made of an aluminum structure with smooth powder coated aluminum cavities and shelves.	1.00

The upper section shall be accessed via two (2) extruded aluminum doors with Lexan inserts. The doors shall be operated by a cam sliding system in which sliding the knob will release the two (2) plunger bolts located at the top and bottom side of the door. The whole mechanism is to be protected by an aluminum cover on the inside of the door. Approximate dimensions shall be 32.00" wide X 28" tall x 30.25" deep.

- One (1) adjustable shelf.
- **LED strip lighting** installed.

A fixed shelf shall be installed between the upper and lower ALS cabinet.

The lower section shall be accessed via two (2) extruded aluminum doors with Lexan inserts. The doors shall be operated by a cam sliding system in which sliding the knob will release the two (2) plunger bolts located at the top and bottom side of the door. The whole mechanism is to be protected by an aluminum cover on the inside of the door. Approximate dimensions shall be 32.00" wide X 29.25" tall x 30.25" deep.

- One (1) adjustable shelf.
- **LED strip lighting** installed.

SR00173882	Heated Compartment above ALS Cabinet A heated compartment will be located above the front wall ALS cabinet with a hinged swing up door. A digital thermostat will be installed in the head pad above the cabinet.	1.00
FWB-RGT-41	Pull-out tray in bottom ALS (towards the exterior) One (1) pull-out tray in bottom ALS (towards the exterior) to aid in loading & unloading large jump bags or other equipment.	1.00
SR00173883	Adj Shelves in bulkhead cabinet Adjustable shelves in 45-degree angled cabinet	1.00

26-Attendant Seat (AST)

Item Number	Name/Description	Quantity
AST-BSE-11	EVS Swivel Seat Base, Two (2) Positions EVS swivel 360 degrees seat base, locking in two (2) positions, forward and rearward positions	1.00
AST-HRS-12	EVS 1880 3Pts Vac-Formed Seamless Child Seat The EVS 1880 is a vac-form, seamless ambulance attendant's seat. Integrated child restraint system that allows uninjured children weighing between 20-65 lbs to be transported in a five point safety harness. When it is not needed, the child-insert can be folded into the seat and allow an adult to use the seat as a standard attendant's seat	1.00
SR00173898	Rear Facing Seat, ICS, 4-point Install an EVS brand rear facing attendant seat with integrated child seat (ICS) and with PRO4 Four Point Single Click with Four Retractors Comments: EVS 1880 with ICS and 2 Point Swivel Base selected in CPQ - Price for upgrading to PRO4 belting system	1.00

27-Cot Configuration (COT)

Item Number	Name/Description	Quantity
COT-ANC-23	Floor Plate & Pre-wire Power-LOAD - GEN 2 (NEW) Stryker Power-Load floor plate including the pre-wiring for charging feature. No cot fastener included from Demers, Dealer to install.	1.00
COT-POS-11	Center Floor-Mount Cot Configuration Center floor mount cot configuration	1.00

28-Switch Panels

<i>Item Number</i>	<i>Name/Description</i>	<i>Quantity</i>
CAR-CTR-10	Rocker Switch Controls with LED Backlit Pictograms Rocker switch controls with LED backlit pictograms installed on the cab console.	1.00
CAR-AUX-11	Rocker Switch Controls with LED Backlit Pictograms Rocker switch controls with LED backlit pictograms installed street side of the patient area.	1.00
CAR-AUX-11	Rocker Switch Controls with LED Backlit Pictograms Auxiliary Rocker switch controls with LED backlit pictograms installed on the curbside of the patient area.	1.00

29-Oxygen (OXY)

<i>Item Number</i>	<i>Name/Description</i>	<i>Quantity</i>
OXY-NTW-14	Oxygen Outlets, Four (4) Four (4) oxygen outlets. <ul style="list-style-type: none"> - Two (2) in ECC above the street side primary counter - One (1) on curbside above the cabinet - One (1) on the ceiling above the cot 	1.00
OXY-OUT-11	Oxygen Outlet, Quick-Connect Quick-connect style oxygen outlet.	4.00
OXY-REG-12	Oxygen Regulator, Manual, Sensor and Dig. Read-Out Manual oxygen regulator with pressure sensor and digital read-out .	1.00
OXY-REG-13	Oxygen Control Valve, Electronic, Manual By-Pass Electronic oxygen control valve with manual by-pass.	1.00
OXY-SPO-23	Recessed two oxygen cylinders inside squad bench Recessed two oxygen cylinders inside squad bench, mount horizontal ("D-size" only)	1.00
OXY-SPR-11	Universal Vertical Holder for Main Oxygen Cylinder Universal vertical holder for types "K" or "M" main oxygen cylinder in S1 streetside exterior compartment.	1.00

31-Suction (SUC)

<i>Item Number</i>	<i>Name/Description</i>	<i>Quantity</i>
SUC-LOC-11	Suction System location in ECC Main suction system is located in front streetside action area.	1.00
SUC-LOC-13	Suction System Below Action Area (ECC) Suction system recesses below action area (ECC), forward of medical cabinet	1.00
SUC-MOT-11	Thomas high flow vacuum pump Thomas high flow vacuum pump	1.00
SUC-OUT-11	Vacuum outlet QD in action area Vacuum outlet QD Puritan with yellow 5/16" hose 4 ft long	1.00



SUC-REG-11	Vacuum regulator with disposable canister Vacuum regulator with disposable canister	1.00
SR00173880	Bemis Suction Container Install a Bemis 1200 cc suction container with the mounting bracket attached to the right wall of the recessed area so the entire suction container fits inside the recessed area.	1.00

32-Electrical System (ELE)

Item Number	Name/Description	Quantity
ELE-GES-11	Multiplex Electronic Management System	1.00

A 12VDC electrical system shall be added in junction with the OEM system. They shall be isolated from each other, yet they still exchange data. This is achieved by using a multiplex system in combination with a CAN BUS connectivity between the two (2) systems. It reduces the number of wires in the harness, thus reduces the number of welds and connections. Using programmable solid-state devices allows for easy updating and customizing of the vehicle without needing to add relays or modify the wiring system, even at a later stage while the vehicle is in the field. Printed circuit board or, so called "hardwired" electrical systems shall not be acceptable.

The ambulance manufacturer shall have significant experience in installing multiplex and electrical systems. The purchaser is not interested in prototypical or logical systems that are untested or unproven by the ambulance manufacturer. The multiplex system specified here shall be fully developed, tested, in service for at least 15 years and shall be installed on at least 9000 units. Documentation of electrical systems installed, and in-service shall be provided at the purchaser's request.

Electronic Controller Units (ECU)

Multiplexing electrical system shall consist of solid-state electronic controller units mounted in the electrical control panel. Electronic controller units shall act as the central communications system for the entire electrical system. These electrical controller units shall command all electrical components installed by the ambulance manufacturer in the cab and in the patient compartment. Each electronic controller unit shall be self-diagnostic with easy-to-read LED. A CD of the programing and the electrical schematics as well as detailed printed schematics of all components and wiring shall be provided with the completed ambulance.

All Electronic controller units shall be sealed in a weatherproof exterior casing. The ECUs main control panel shall be coated in weather resistant from the factory. All electronic controller units shall be installed in electrical control panel compartment for centralized location.

Electronic controller units shall be programmed using already established automotive communication language. Electronic controller units shall be programmed to communicate and receive signals in the SAE J1939 protocol via the CAN BUS connection. This type of system is preferred to allow for future expansion and. No auxiliary printed circuit boards, circuit breakers or relays shall be needed in future expansion or to assist in the functionality of standard electrical components.

Serviceability

The ambulance multiplexing electrical system shall be designed to be maintained and serviced easily. In the unlikely event of an electrical problem, the ambulance's

electrical system shall be able to be connected remotely to the Internet and shall be able to be diagnosed or reprogrammed by a service technician at the ambulance manufacturer's main facility. This multiplex electrical system shall be proven to be virtually maintenance free. A failure (warranty) rate of less than 1% is required because this agency wishes to purchase an ambulance with the utmost reliability in service. Documentation of warranty claims relating to the electrical system shall be provided to the purchaser upon request.

Wiring

All wiring for the electrical systems shall be stranded copper or copper alloy conductors of a gauge rated to carry 125 percent of the maximum current for which the circuit is protected. Voltage drops in all wiring from the power source to the component shall not exceed 10 percent. All circuits shall be wired in conformance with SAE J1292, Automobile, Truck, Truck-Tractor, Trailer, and Motor Coach Wiring. None of the ambulances electrical wiring and components shall terminate or originate in the oxygen storage compartment except for the oxygen flow control solenoid, compartment light, and switch plunger or trigger device.

Wiring Harness

The ambulance wiring harnesses shall be a continuous run to each electrical component. The ambulance wiring shall contain no splices in the main wiring harness. The terminals on connectors of each end shall be machined crimped. Hand crimped electrical connectors are not permitted by the purchaser as they have been proven to be prone to premature failure and/or irregularities.

All ambulance wiring harnesses shall be enclosed in a plastic loom. This loom shall run from the electronic controller units to each specified electrical component. Instances where conduit must travel through a tube structure, a rubber grommet shall be placed in the hole to prevent premature wear of the plastic loom and/or wiring. All wiring harnesses shall be secured to the roof and walls tube structures with insulated clamping fasteners.

The overall covering of jacketed cables shall be moisture resistant and have a minimum continuous temperature rating of 194°F (90°C), except for cable installations where the wiring may be exposed to higher temperatures. All wiring connections and terminations shall use a method that provides a positive standard connection. Wiring connections and terminations shall be installed in accordance with the device manufacturer's instructions. Wire nut, insulation displacement, and insulation piercing connections shall not be used.

All connections to the electrical components shall include a minimum 6 in. service loop of. All wiring connections shall utilize easy plug-in style connectors.

Wiring Identification

All wiring shall be identified every 6" at a minimum. The wiring identification code shall be the position on the electronic controller unit for easy maintenance and diagnosis. Wiring identification shall be clearly visible and shall be printed on the insulated wire. No stickers will be allowed.

Circuit Protection

Circuits shall be provided with properly rated low voltage overcurrent protective devices. Such devices shall be readily accessible and protected against heat more than

the overcurrent device's design range, mechanical damage, and water spray. Circuit protection shall be accomplished by utilizing fuses, circuit breakers, fusible links, or solid-state equivalent devices.

Wiring Schematics

The complete set of wiring schematics shall clearly identify all wiring locations, routing, and component connection. A sample document shall be available to the purchaser on request to examine the quality of the electrical schematic. All instances of wiring not conforming to the standards established in this document shall be documented at the time of the proposal. Failure to comply with this requirement shall be cause for rejection of the proposal.

Electric Panel

The electrical panel shall be protected by a removable panel or a compartment door. It shall include in addition to the ECUs all block fuses and other electronic devices.

For future upgradability, one (1) extra 15-amp 12VDC circuit breaker shall be provided. It shall be wired and shall be ready for a future programmable function with the multiplexing electrical system.

Grounding

Dedicated grounding locations for all appliances, circuits, etc. shall be supplied. Appliance mounting screws/hardware shall not be used for grounding purposes, nor shall the body of the ambulance be used as a ground location. Star washers or unapproved, untested grounding methods shall not be used.

OEM grounds shall not be used as grounding location for the conversion circuits.

Switching Requirements

Switches, relays, terminals, and connectors shall have a direct current (dc) rating of 125 percent of maximum current for which the circuit is protected.

Voltage Alarm

The multiplex system shall incorporate an audible voltage warning should the system voltage at the battery or at the master load disconnect switch drops below 11.8VDC for a duration of 120 seconds for 12VDC nominal systems.

Load Management

The multiplexing electrical system shall be programmed to automatically shed electrical load should the electrical output rating of the installed alternator drop below a programmed voltage level. Electrical components shall shed in order of priority. External load management systems or load management systems not programmable shall not be considered as the purchaser requires this electrical system to be customizable.

5-year / 180,000-mile electrical warranty, 100% coverage

ELE-ALT-14

Super Auto Eject Power Inlet, 20 Amps, Yellow

1.00

Kussmaul 120 Volts AC, 20 Amps Automatically disconnects shoreline

- Red cover
- **Green indicator light**

ELE-ALT-11	<p>Power Inverter, Xantrex Freedom, True Sine, 2000W</p> <p>A Xantrex Freedom CX power inverter rated for 2000-watts shall be installed in the patient compartment, behind the streetside cabinetry, in a ventilated storage area. The inverter shall be powered via a control panel in the rear attendant console. When this inverter is activated, all 110VAC outlets shall be energized.</p> <p>An inverter integrated battery charger shall be provided for maintaining, in conjunction with the multiplex isolator and the shoreline, OEM and conversion batteries in a fully charged condition when the shoreline is plugged.</p>	1.00
ELE-CON-13	<p>AC Delco Conversion Batteries</p> <p>Two (2) AC Delco batteries shall be installed <i>in addition to</i> the two OEM batteries. The OEM batteries shall not be relocated from their original positions while the additional conversion batteries shall be in a ventilated slide out drawer under the ALS compartment.</p> <p>A programmable multiplex battery isolator shall be installed to separate the chassis batteries from the patient compartment batteries. It shall monitor battery voltage and allow for OEM battery boost by the conversion batteries and full OEM battery charging via the shoreline. The different voltage limits will be programmable. A system comprised of an isolator, boost solenoid and trickle charger shall not be acceptable as this requires more components, cables, and connections.</p> <p><u>NOTE:</u> two (2) Ford OEM Motorcraft batteries will be installed under the hood of the chassis and will be dedicated to the chassis system for starting and chassis functions.</p> <ul style="list-style-type: none"> - Four (4) total batteries to be installed. 	1.00
ELE-CON-14	<p>12vdc Electrical Outlets</p> <p>12VDC power point outlets specified here shall be properly tested and shall be protected with a Schottky-style diode to isolate the medical equipment batteries from other loads. The diode shall be in the electrical panel and shall be wired to the conversion batteries. It shall be designed to handle voltage of at least 48VDC. All wiring to the 12VDC outlets shall be clearly labeled and shall be one (1) continuous run from the diode to the outlet. The locations shall be:</p> <ul style="list-style-type: none"> - One above the primary action counter - One in the upper ALS cabinet - One above the counter rear of the CPR seat 	1.00
ELE-CON-18	<p>Dual USB DC outlet with indicator</p> <p>Dual USB DC outlet with indicator. Details and location are as follows: (1) above ECC main counter</p> <ul style="list-style-type: none"> - above squad bench cabinet - top of cab console 	3.00
ELE-ALT-15	<p>Electrical Outlet, 120V AC with Indicator</p> <p>120VAC outlets shall be energized from the shoreline and/or from the inverter. All 120VAC outlets shall be UL certified, Nema 5-15, clearly identified on the unit, rated to 60Hz and have a pilot light when powered.</p> <p>A 120VAC GFCI shall be installed beyond the shoreline and shall disable all 110VAC outlets when tripped. The GFCI shall be in the rear attendant console for ease of consulting and/or resetting if needed.</p>	1.00

120VAC outlets shall be energized from the shoreline and/or from the inverter if equipped. All 120VAC outlets shall be UL certified, Nema 5-15, clearly identified on the unit, rated to 60Hz and have a pilot light when powered. The outlet locations shall be:

- One street side above the above the primary action counter
- One street side above the second action small counter
- One in the front bulkhead angled cabinet
- One in the upper ALS cabinet
- One in the lower ALS cabinet
- One in the cab on the right side of the cab console
- One curbside above the counter

SR00173909 **Power Strip, cab** 1.00
One (1) power strip on top rear of cab console wired to inverter/shoreline

33-Communication System (COM)

<i>Item Number</i>	<i>Name/Description</i>	<i>Quantity</i>
COM-RAD-14	Radio Communications Compartment A ventilated radio compartment above the cab to body walk-thru with a hinged door should be easily accessible. It shall contain a universal board, Bussmann blade-type fuse panels, and harness. (12V battery feed, ground, ignition).	1.00
COM-RAD-15	Radio Communications Front Console The front console in the driver's compartment shall have a universal board, Bussmann blade-type fuse panels, and harness for radio communication systems It shall contain a universal board, Bussmann blade-type fuse panels, and harness. (12V battery feed, ground, ignition).	1.00
COM-REC-11	Data Recorder Available Signals Data recorder available signals through a universal connector in the electrical compartment.	1.00

34-HVAC (CVC)

<i>Item Number</i>	<i>Name/Description</i>	<i>Quantity</i>
CVC-CLD-11	OEM Tie-In Air Conditioning Unit System The air conditioning unit shall be tie-in to the OEM air conditioning system, cooling the air of the patient compartment through the ducted outlets. The Hoseline evaporator unit shall have a capacity of 580 CFM and cooling capacity of 30,000 BTU. The evaporator shall be installed in the patient compartment above the oxygen compartment. An AC high-capacity filter-drier shall be installed to the inlet of the evaporator to prevent debris and moisture in the system. It shall be accessible by removing the partition ceiling protector. Five (5) round adjustable vents installed at the ceiling with manual closures are installed above the street side cabinet in a padded diffuser and shall project at a downward angle toward the patient and crew. Cold air runs from the front evaporator to the vents through a one-piece angled duct to maximize and regulate air flow. It is	1.00

made of a lightweight material and insulated with high performance insulation to reduce thermal transfers and condensation.

- **Cold air blows out evenly throughout patient area evenly and efficiently cooling the entire patient area**

The patient compartment HVAC system shall be controlled by the driver cab console or the patient compartment, both sides, via the multiplex touch pad or touch screen. The patient compartment temperature shall be monitored by a thermostat incorporated in the multiplexing electrical system.

Additional to the three (3) preprogrammed speeds, an automatic mode shall be able to decide between heating, cooling, and fan speed in function of the set temperature versus the patient compartment temperature.

To achieve maximum efficiency and optimization of this system, the fans' speed shall be optimized via **Pulse Width Modulation (PWM)** to allow the heating and cooling system to run at its most effective speed. Adequate room for hose connections and hose lines shall be provided when installing HVAC components. The hoses shall be protected and insulated to optimize performance and longevity. They shall also be clamped every 18" with high strength clips and routed without sharp bends and kinks.

CVC-DIF-11	Air Conditioning Outlets, Round Round outlets for ducted air conditioning unit.	1.00
CVC-HOT-11	Heating Unit The heating unit shall be installed in the patient compartment in a location behind the street side cabinet, in the wheel well area. The heated air shall blow from below the side wall and just above the roll up floor in a cabinet full length aluminum vent. This ventilation system shall blow heat below the patient immediately and circulate upward , also creating a radiator effect as the heated air warms the side wall. The interior ducting shall be designed such that debris or liquids cannot enter vent.	1.00
CVC-VNT-13	Exhaust Fans (2) Two (2) exhaust fans for contaminated air. Activated by front control interface or rear console switch. The system must be able to circulate clean air into the patient area in 100 seconds or less.	1.00
CVC-VNT-15	UV Air Sterilization System The INTERCEPTOR's UVC Germicidal process will destroy airborne pathogens that technicians, drivers, patients and passengers come into contact with. To be installed inside module.	1.00

35-Interior Lights (ILG)

Item Number	Name/Description	Quantity
ILG-PLF-11	LED Dome Lights, Adjustable, Dig. Timer Whelen round Super LED dome lights , Whelen #80C0EHCR, shall be provided in the patient compartment. The dome lights shall be controlled by separate switches for the left bank and right bank of lights. The dome lights shall be activated rocker switches on the cab console and both patient area control panels.	8.00

ILG-GEN-12	Blue LED strip lighting at floor level Blue LED 12V lighting in aluminum channel on both sides of the module for floor lighting	1.00
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36-Grab Handles (GBR)

Item Number	Name/Description	Quantity
GBR-COL-12	Grab Bars Color, Yellow Color of selected grab bars is Yellow.	1.00
GBR-DRS-11	Rear Door-Mounted Grab Bars, 16" x 16" Two (2) door-mounted grab bars, 16" x 16", inside of rear doors (A1 and A2).	1.00
GBR-DRS-12	Curbside Door-Mounted Grab Bar, 12" One (1) door-mounted grab bar, 12" each, on the inside of the side entry door (C2).	1.00
GBR-EMB-11	Embarking Grab Bars, 12" Two (2) entry grab bars, 12" each, mounted inside the patient compartment. One (1) near the curbside entry door, and one (1) near the R2 rear entry door.	1.00
GBR-PLF-11	Ceiling Grab Rails, 90", Two (2) Two (2) ceiling-mounted grab rails, 90".	1.00

37-Finish and Trim (FNS)

Item Number	Name/Description	Quantity
FNS-FLR-15	Altro Reliance 25, Midnight Altro Reliance 25 Midnight floor covering.	1.00
FNS-GRD-15	Safety Yellow Upholstery Yellow vinyl upholstery for safety exit padding covering.	1.00
FNS-GRD-18	Black upholstery Black vinyl upholstery for seat and padding covering	1.00
FNS-PLF-11	Fiberglass Ceiling Fiberglass ceiling in Patient Compartment.	1.00
FNS-STK-11	General Vehicle Identification Vehicle general labels identification.	1.00

38-Functionality (FCT)

Item Number	Name/Description	Quantity
FCT-PLF-11	Radio Speakers, Recessed, Two (2) Two (2) recessed radio speakers.	1.00
FCT-PLF-13	IV Hooks, Recessed in Ceiling, Flexible, Four (4) Four (4) recessed flexible IV hooks in ceiling.	1.00
FCT-RWR-11	Digital Clock, Driver and Step Indicator Lights Digital clock recess mounted into the rear head pad. Clock is designed for road use. Clock is 12vdc direct wire to the ambulance electrical. - Rear step indicator light - Brake indicator light - Turn signal indicator light	1.00

DEALER SUPPLIED ITEMS

- **(2) 5 lb. fire extinguishers with heavy duty vehicle mounting brackets**
 - Installed per customer directions
- **Peacemaker Heavy Duty grill guard will be supplied and installed on the front of the chassis**
- **Fog Lights, Amber LED**
 - Supply and install amber LED fog lights to the Demes pre-wire after the installation of the grill guard
- **Technimount Universal base**
 - Installed per the customer directions
- **Technimount Pro heavy-duty bracket to mount to your defib**
 - This is the bracket that mounts to your defibrillator. The bracket will ship loose with the ambulance
- **Stryker MTS 6390, Power-LOAD cot loading system**
 - Installed in the Demers supplied floor plates
- **Stryker 6507 Power Pro 2 power cot**
- **Stryker 6252 tracked manual stair chair**
- **(3) Flow meters**
 - (2) gravity flow meters for the wall mount oxygen outlets
 - (1) round dial flow meter for the ceiling oxygen outlets
 - Green barb trees are included
- **Dual Air Horns**
 - Dual Buell air horns will be installed on the front of the chassis. A VIAIR compressor kit will be supplied and installed. The compressor will be installed in the S2 compartment on the floor and will be protected with an aluminum cover.
- **Graphics allowance of \$ 7,500.00 is included**
 - The amount will increase by \$ 1,000.00 to a total of \$ 8,500.00 with changing the paint to White
- **A \$ 5,000.00 allowance is included to supply an dinstall misc. equipment as determined later.**
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- **Delivery to your station in Boyceville, Wisconsin**
- **Full tank of gas fuel upon delivery**
- **Orientation by the dealer**
- **Mobile Service by dealer with three mobile service vehicles**