

STREET COMMISSION

February 3, 2026 8:30 am

MEETING AGENDA

- 1) Call to Order and Roll Call:
- 2) Public Comments:
- 3) Changes or Additions to Agenda:
- 4) Approval of Minutes:
 - a) Minutes from 1-6-2026
 - b) Minutes from 12-2-2025
- 5) General Business:
 - a) Street light temperature for replacement bulbs
 - b) 2026 Freightliner Truck
 - c) Matt Wobbe replacement hire process
 - d) Commissioner Expectations Commissioner Expectations
 - e) Preliminary Plat & Plans (Anchor Point Church Development)
- 6) Old Business:
- 7) Other Business:
- 8) Next meeting: March 3, 2026 at 8:30am

9) Adjourn:

Street Commission

4) a)

Meeting Date: 02/03/2026

ITEM TITLE: Minutes from 1-6-2026

DEPARTMENT: Administration

REQUESTED BY:

PURPOSE:

ITEM SUMMARY:

Review minutes as drafted.

STAFF RECOMMENDATION:

Approve minutes as drafted.

Attachments

Minutes from 1-6-2026

DRAFT



Street Commissioners:

Doug Marcotte, Commissioner
Jay Jewson, Commissioner
Jim Mathias, Commissioner
Jeff Sulla, Commissioner & Council Representative

Staff:

Tony Johnson, Public Works Director
Riley Costello, Assistant Public Works Director
Lisa Springer, Office Manager

STREET COMMISSION MINUTES

Present: Jay Jewson, Commissioner; Jim Mathias, Commissioner; Jeff Sulla, Commissioner;
Doug Marcotte, Commissioner

Also Present: Tony Johnson, Public Works Director
Lisa Springer, Office Manager
Brian Malm, City Engineer - Bolton & Menk

1. Call to Order and Roll Call:

The Street Commission meeting was called to order at 8:32am by Jim Mathias.

2. Public Comments:

There was no public comment.

3. Changes or Additions to Agenda:

There were no changes or additions to the agenda.

4. Approval of Minutes:

a. Minutes from 12-2-2025

Minutes were not attached for review or approval. Staff will have them available at the next meeting in February.

5. General Business:

- a. Street light temperature for replacement bulbs

City Engineer Brian Malm gave an overview of the streetlight temperatures. Our downtown area on Main St with the new streetlights has 3000K lumens. In the residential areas, it was suggested to do bulb replacements with 2700K lumens and to be consistent with this selection going forward. Brian Malm will reach out to Xcel Energy to find out what specs and fixtures are currently used, and whether they can work with our light poles. It was also recommended to give these findings to the electrician that would replace them to ensure they would fit on the existing poles.

No motion, table discussion until more information is provided.

- b. 306 9th St E (Partial Alley Vacation)

Reviewed the memo for the partial alley vacation request for 306 9th St E. This was presented to the utility commission, and they had concerns about shrinking down the width of the alley, which would limit the access to the utilities. They approved the request for the vacation with a utility easement in place. This would not allow them to build over the top of the existing utilities. The Street Commission recommended denying the request based on the fact that there is no public benefit to the city to vacate the requested 5 feet of the alleyway.

Moved by Commissioner Jay Jewson, seconded by Commissioner Doug Marcotte

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jim Mathias

NAY: Commissioner Jeff Sulla

Adopted

- c. Resolution Approving Plans & Specifications & Ordering Advertisement for Bids 2025 Street & Utility Improvement Project

Moved by Commissioner Jay Jewson, seconded by Commissioner Jeff Sulla to approve the Resolution Approving Plans & Specifications & Ordering Advertisement for Bids 2025 Street & Utility Improvement Project as written.

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jeff Sulla,
Commissioner Jim Mathias

Adopted - Unanimously

6. Old Business:

Brian Malm gave an overview of the Zumbro Slough Flood Resiliency Study, which is available to review on the city's website:

https://www.wabasha.org/wp-content/uploads/WabashaResiliencyStudy_Signed2.pdf.

No motion, information only.

7. Other Business:

In other business, Tony gave an update on the new public works truck scheduled for 2027. Staff is still working on the new truck design and equipment package. If we order the truck now, we can get ahead of the next emissions that are coming out soon. We are sticking with the Freightliner model which has served the city well over the years. We will need to discuss the whole package once all the information is available and will present the details at a future meeting. The sander broke down this week for the 1 ton truck. It just needs a new chain installed along with bearings and belts. Hope to have it up and running today. Purchased a plow for the toolcat for easier snow removal in our downtown area around the bump outs. One of our Public Works Technicians was injured and expected to be out a couple of weeks. We will also be losing a full-time public works technician, but hope to have him stay on through winter. No motion, information only.

8. Adjourn:

Moved by Commissioner Jay Jewson, seconded by Commissioner Jim Mathias to adjourn the meeting at 9:38AM.

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jeff Sulla,
Commissioner Jim Mathias

Adopted - Unanimously

Street Commission

4) b)

Meeting Date: 02/03/2026

ITEM TITLE: Minutes from 12-2-2025

DEPARTMENT: Administration

REQUESTED BY:

PURPOSE:

ITEM SUMMARY:

Review minutes as drafted.

STAFF RECOMMENDATION:

Approve minutes as drafted.

Attachments

Minutes from 12-2-2025

DRAFT



Street Commissioners:

Doug Marcotte, Commissioner
Jay Jewson, Commissioner
Jim Mathias, Commissioner
Jeff Sulla, Commissioner & Council Representative

Staff:

Tony Johnson, Public Works Director
Riley Costello, Assistant Public Works Director
Lisa Springer, Office Manager

STREET COMMISSION MINUTES

Present: Jay Jewson, Commissioner; Jim Mathias, Commissioner; Doug Marcotte, Commissioner

Absent: Jeff Sulla, Commissioner

Also Present: Tony Johnson, Public Works Director
Riley Costello, Assistant Public Works Director
Lisa Springer, Office Manager

1. Call to Order and Roll Call:

The Street Commission Meeting was called to order at 8:30AM by Commissioner Jim Mathias.

2. Public Comments:

There was no public comment.

3. Changes or Additions to Agenda:

Request from Public Works Director to add the following items under General Business. Street Light Bulb Replacements as item 5)f) and Snow Hauling Pricing as item 5)g) and Street Light Request from Dori Bales as item 5)e).

Moved by Commissioner Jay Jewson, seconded by Commissioner Doug Marcotte to accept these additions to the agenda.

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jim Mathias

Other: Commissioner Jeff Sulla (ABSENT)

Adopted - Unanimously

4. Approval of Minutes:

a. Minutes from 11-4-2025

Moved by Commissioner Jay Jewson, seconded by Commissioner Doug Marcotte to approve the minutes as drafted.

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jim Mathias

Other: Commissioner Jeff Sulla (ABSENT)

Adopted - Unanimously

5. General Business:

a. TH60 Street Vacation request

Moved by Commissioner Jay Jewson, seconded by Commissioner Doug Marcotte to approve the street vacations as listed in its entirety.

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jim Mathias

Other: Commissioner Jeff Sulla (ABSENT)

Adopted - Unanimously

The benefit to the city from the street vacations would be to replat, redesign and install new road.

b. Proud Final Plat Review

The city would allow use of the area, and the city would be allowed to change it if deemed necessary at any time. The streetlights in this area will remain property of the city. Combine the area into one section and allow them to manage the parking stalls. Motion to allow Proud CIC Plat the exclusive right of use for a revocable permit to use the parking stalls at the back of the existing 234/236 Main St W and subject to city attorney and engineers' final review.

Moved by Commissioner Jay Jewson, seconded by Commissioner Doug Marcotte

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jim Mathias

Other: Commissioner Jeff Sulla (ABSENT)

Adopted - Unanimously

c. Fee Schedule - Review of Fees

Moved by Commissioner Jay Jewson, seconded by Commissioner Doug Marcotte to add street/alley/sidewalk vacation request fee of \$150.00 to the 2026 fee schedule.

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jim Mathias

Other: Commissioner Jeff Sulla (ABSENT)

Adopted - Unanimously

d. 197th Avenue road maintenance

Moved by Commissioner Jay Jewson, seconded by Commissioner Doug Marcotte to send both property owners (Brad & Rachel Thimmesch & Gail Wodele) a letter stating after April 1, 2026, the city shall no longer provide any city maintenance for the private drive at 197th Ave.

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jim Mathias

Other: Commissioner Jeff Sulla (ABSENT)

Adopted - Unanimously

e. Street Light Request-Dori Bales

Request from the property owner at 1410 Prospect Ave to have a streetlight installed at the entrance to the road. Currently, there is a streetlight adjacent to the road at the corner of 12th St E and Pembroke Ave.

f. Street Light Bulb Replacements

Would prefer to have the city engineer provide recommendation of ranges for commercial and residential and provide information at the next meeting. No motion, discussion only.

g. Snow Hauling Prices

Same pricing as last year, information only no motion.

6. Old Business:

7. Other Business:

a. Truck Replacement

In January or February we are scheduled to replace the 2007 Sterling Truck. The cost right now is around \$250,000 for a 2026 Freightliner. Still waiting for specs and more details on the pricing. If we can order it by the spring of 2027, then get the equipment setup on it so it will be ready for winter. No motion, information only.

b. CodeRED Alert System

CodeRED alert system has experienced a nationwide outage which impacted our snow emergency notifications. It is unclear when this will be operational again. No motion, information only.

c. Next Street Commission meeting is Tuesday, January 6, 2026 at 8:30am.

8. Adjourn:

Moved by Commissioner Jay Jewson, seconded by Commissioner Doug Marcotte to adjourn at 9:36AM.

AYE: Commissioner Doug Marcotte, Commissioner Jay Jewson, Commissioner Jim Mathias

Other: Commissioner Jeff Sulla (ABSENT)

Adopted - Unanimously

Street Commission

5) a)

Meeting Date: 02/03/2026

ITEM TITLE: Street light temperature for replacement bulbs

DEPARTMENT: Administration

REQUESTED BY:

PURPOSE:

Discuss streetlight colors used in town, both business and residential areas.

ITEM SUMMARY:

From the 1-6-25 meeting we suggested 2700k for residential areas and 3000k for downtown.

Tony: Do we have all of the information from Xcel Energy?

Brian Malm: Yes, some, but still waiting for a piece of information on one of the fixtures. See attached for two of the fixture styles they use, the decorative acorn and the basic mast arm led. The one I am waiting on looks like the ones you currently have on Lawrence Blvd. Once I get that, I will forward it on. Then, I need to look at what specs you would probably use when ordering the fixtures, as there are many options for each.

I also still need to identify lighting reps you could contact to get pricing, discuss pole compatibility, and to order.

Street Commission

5) b)

Meeting Date: 02/03/2026**ITEM TITLE:** 2026 Freightliner Truck**DEPARTMENT:** Public Works**REQUESTED BY:** Public Works

PURPOSE:

Discuss the new truck purchase, receiving the truck in 2027, to replace our 2007 Sterling Tandem plow truck.

ITEM SUMMARY:

I have attached the new truck specs for our 2007 Sterling truck replacement. The truck would be purchased before the spring of 2026, and once built, delivered to Universal Truck and Equipment in Galesville, Wisconsin for installation of our dump body, and all plow equipment. This Freightliner chassis is identical to our 2021 truck, with a larger engine and transmission due to the size increase and power needed. Freightliner trucks are on a cheaper scale compared to Kenworth, Peterbilt, Mack, etc. total purchase price is \$138,290.

We are hoping to recoup around \$50,000 trade-in/auction price on our 2007 truck.

The last truck chassis we purchased for 2021 was \$86,837, (\$51,453 difference).

We are still waiting for the plow equipment/dump body pricing. See below for the 2021 equipment pricing for our last truck.

STAFF RECOMMENDATION:

We need to replace this aging truck that will be 20 years old in 2027. With the amount of repairs completed in the last few years, this truck is becoming the money pit of our maintenance budget, not to mention that when this truck is down and unusable during repairs, it takes care of 1/3 of our city plowing, and the majority of our worst areas to maintain, some of it being out in the rural areas. In 2023 alone, repairs cost us \$45,241 from outside agencies, not counting what we have completed at Public Works. When I purchased the 2007 tandem truck, the cost was \$185,000, w/trade-in of \$21,000.

Attachments

New truck specs

Prepared For :
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Phone :651-201-2441

Prepared by:
Andrew Peterson
DAVE SYVERSON FTL-STL
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A proposal for
MINNESOTA STATE OF

Prepared by
DAVE SYVERSON FTL-STL

Andrew Peterson

December 26, 2025

Freightliner 114SD Plus



Components shown may not reflect all spec'd options and are not to scale



QUOTATION

114SD PLUS CONVENTIONAL CHASSIS				
SET BACK AXLE - TRUCK		5325MM (210 INCH) WHEELBASE		
CUM X12 455V HP @ 1900 RPM, 1550 LB-FT @ 1000 RPM, 2000 GOV RPM, VOC		NO FIFTH WHEEL		
ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION		1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI		
MERITOR MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE		1275MM (50 INCH) REAR FRAME OVERHANG		
TUFTRAC GEN2 40,000# REAR SPRING SUSPENSION		PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION		
DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE		TEM TO EVALUATE AND INSTALL FRAME RAIL REINFORCEMENT AS NEEDED FOR FRONT FRAME MOUNTED EQUIPMENT		
18,000# FLAT LEAF FRONT SUSPENSION				
114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB				
		PER UNIT		TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$	138,060	\$ 138,060
EXTENDED WARRANTY		\$	230	\$ 230
DEALER INSTALLED OPTIONS		\$	0	\$ 0
CUSTOMER PRICE BEFORE TAX		\$	138,290	\$ 138,290
TAXES AND FEES				
TAXES AND FEES		\$	0	\$ 0
OTHER CHARGES		\$	0	\$ 0
TRADE-IN				
BALANCE DUE	(LOCAL CURRENCY)	\$	138,290	\$ 138,290

COMMENTS:
Projected delivery on ___ / ___ / ___ provided the order is received before ___ / ___ / ___.

APPROVAL:
Please indicate your acceptance of this quotation by signing below:

Customer: X_____ Date: ___ / ___ / ___.

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SPECIFICATION PROPOSAL

Data Code	Description	Weight Front	Weight Rear	Retail Price
Price Level				
PRL-30D	SD PRL-30D (EFF:MY27 ORDERS)			STD
Data Version				
DRL-018	SPECPRO21 DATA RELEASE VER 018			N/C
Vehicle Configuration				
001-177	114SD PLUS CONVENTIONAL CHASSIS	7,934	6,476	\$170,892.00
004-227	2027 MODEL YEAR SPECIFIED			STD
002-004	SET BACK AXLE - TRUCK	480	-480	(\$1,270.00)
019-006	TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560	10	10	\$1,025.00
003-001	LH PRIMARY STEERING LOCATION			STD
General Service				
AA1-003	TRUCK/TRAILER CONFIGURATION			N/C
AA6-002	DOMICILED, USA 50 STATES (EPA CLEAN IDLE LABEL OR NO CLEAN IDLE REQUIRED)			STD
99D-027	EPA CLEAN IDLE LABEL - (INCLUDES 6X4 INCH LABEL ON LOWER FORWARD OF DRIVER DOOR)			STD
A85-010	UTILITY/REPAIR/MAINTENANCE SERVICE			N/C
A84-1GM	GOVERNMENT BUSINESS SEGMENT			N/C
AA4-010	DIRT/SAND/ROCK COMMODITY			N/C
AA5-002	TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS			STD
AB1-008	MAXIMUM 8% EXPECTED GRADE			STD
AB5-001	SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE			STD
995-1AD	FREIGHTLINER LEVEL I WARRANTY			STD
A66-99D	EXPECTED FRONT AXLE(S) LOAD 18000.0 lbs			



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Data Code	Description	Weight Front	Weight Rear	Retail Price
A68-99D	EXPECTED REAR DRIVE AXLE(S) LOAD 40000.0 lbs			
A63-99D	EXPECTED GROSS VEHICLE WEIGHT CAPACITY 58000.0 lbs			
A70-99D	EXPECTED GROSS COMBINATION WEIGHT 80000.0 lbs			

Truck Service

AA3-073	BELLY PLOW BODY WITH HIGH GROUND CLEARANCE			N/C
AF3-2BJ	UNIVERSAL TRUCK BODY			N/C

Tractor Service

AA2-005	FLATBED TRAILER			N/C
AH6-001	SINGLE (1) TRAILER			N/C

Engine

101-26J	CUM X12 455V HP @ 1900 RPM, 1550 LB-FT @ 1000 RPM, 2000 GOV RPM, VOC	-390	-45	(\$635.00)
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Electronic Parameters

79A-073	73 MPH ROAD SPEED LIMIT			N/C
79B-000	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT			N/C
79K-006	PTO MODE ENGINE RPM LIMIT - 1000 RPM			N/C
79P-007	PTO RPM WITH CRUISE SET SWITCH - 1100 RPM			N/C
79S-001	PTO MODE CANCEL VEHICLE SPEED - 5 MPH			N/C
79U-007	PTO GOVERNOR RAMP RATE - 250 RPM PER SECOND			N/C
79V-001	FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY			N/C
79W-001	ONE REMOTE PTO SPEED			N/C
79X-006	PTO SPEED 1 SETTING - 950 RPM			N/C
80G-015	PTO MINIMUM RPM - 800			N/C
80J-002	REGEN INHIBIT SPEED THRESHOLD - 5 MPH			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
80S-017	PTO 1, NO SWITCH, TEM SUPPLIED REQUEST AND INTERLOCKS, WITH PTO CONNECTIONS, ENGAGE WHILE DRIVING INTERLOCKS			N/C
80V-003	ENGINE MOUNT PTO, TEM SUPPLIED REQUEST, FOR PTO SPEED MODE, PERMANENTLY ENGAGED PTO			N/C
Engine Equipment				
99C-024	EPA 2010/GHG 2024 CONFIGURATION			STD
13E-001	STANDARD OIL PAN			STD
105-001	ENGINE MOUNTED OIL CHECK AND FILL			STD
014-108	SIDE OF HOOD AIR INTAKE WITH FIREWALL MOUNTED DONALDSON AIR CLEANER WITH SAFETY ELEMENT AND INSIDE/OUTSIDE AIR WITH SNOW DOOR	10		\$775.00
124-1D7	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE			STD
292-236	(3) DTNA GENUINE, FLOODED STARTING, MIN 3000CCA, 555RC, THREADED STUD BATTERIES			STD
290-1CD	BATTERY BOX WITH ALUMINUM COVER MOUNTED SHORT SIDE TO RAIL	15		\$248.00
281-001	STANDARD BATTERY JUMPERS			STD
282-042	LH BATTERY BOX MOUNTED AS FAR AFT AS POSSIBLE, NO GREATER THAN 60 INCHES BACK OF CAB			\$257.00
291-017	WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN			STD
289-001	NON-POLISHED BATTERY BOX COVER			STD
293-058	NON-ESSENTIAL POSITIVE LOAD DISCONNECT, IN CAB CONTROL SWITCH MOUNTED OUTBOARD OF DRIVER SEAT	2		\$265.00
306-015	PROGRESSIVE LOW VOLTAGE DISCONNECT AT 12.3 VOLTS FOR DESIGNATED CIRCUITS	2		STD
107-048	CUMMINS NATURALLY ASPIRATED 25.9 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE			N/C
152-041	ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM			STD
128-004	CUMMINS INTEBRAKE BRAKE WITH HIGH MED LOW BRAKE			N/C
016-1C2	RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE	30	25	\$775.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
28F-014	ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER			STD
239-026	10 FOOT 06 INCH (126 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT			(\$15.00)
237-1CR	RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP			N/C
23U-001	6 GALLON DIESEL EXHAUST FLUID TANK	-35	-10	\$145.00
30N-003	100 PERCENT DIESEL EXHAUST FLUID FILL			STD
23Y-001	STANDARD DIESEL EXHAUST FLUID PUMP MOUNTING			STD
43X-002	LH MEDIUM DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION			STD
43Y-001	STANDARD DIESEL EXHAUST FLUID TANK CAP			STD
242-001	STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILOPIPE SHIELD			\$40.00
273-058	AIR POWERED ON/OFF ENGINE FAN CLUTCH			STD
276-001	AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED			STD
110-003	CUMMINS SPIN ON FUEL FILTER			N/C
118-008	COMBINATION FULL FLOW/BYPASS OIL FILTER			N/C
120-998	NO COOLANT FILTER	-10		STD
266-057	1500 SQUARE INCH ALUMINUM RADIATOR			N/C
103-039	ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT			STD
171-007	GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT			STD
172-001	CONSTANT TENSION HOSE CLAMPS FOR COOLANT HOSES			STD
270-016	RADIATOR DRAIN VALVE			N/C
360-013	1350 ADAPTER FLANGE FOR FRONT PTO PROVISION	20		\$1,255.00
138-005	PHILLIPS-TEMRO 1500 WATT/115 VOLT BLOCK HEATER	4		\$30.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
140-053	BLACK PLASTIC ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR			N/C
155-055	DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH	-45		N/C

Transmission

342-1M3	ALLISON 4500 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	260	100	\$13,690.00
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Transmission Equipment

343-339	ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV			STD
84B-012	ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES			N/C
84C-023	PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			STD
84D-020	SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 3, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84E-013	S1 PERFORMANCE PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84F-012	S1 PERFORMANCE SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY			N/C
84G-012	2000 RPM PRIMARY MODE SHIFT SPEED			N/C
84H-012	2000 RPM SECONDARY MODE SHIFT SPEED			N/C
84J-000	ENGINE BRAKE RANGE PRESELECT RECOMMENDED BY DTNA AND ALLISON, THIS DEFINED BY ENGINE AND VOCATIONAL USAGE			STD
84K-002	2ND GEAR ENGINE BRAKE ALTERNATE PRESELECT WITH MODERATE DOWNSHIFT STRATEGY			STD
84N-200	FUEL SENSE 2.0 DISABLED - PERFORMANCE - TABLE BASED			STD
84U-000	DRIVER SWITCH INPUT - DEFAULT - NO SWITCHES			STD
84V-001	DIRECTION CHANGE ENABLED WITH MULTIPLEXED SERVICE BRAKES - ALLISON 5TH GEN TRANSMISSIONS			STD
85E-011	MAXIMUM ENGINE SPEED FOR PTO ENGAGEMENT 1000 RPM			N/C
353-075	QUICKFIT BODY LIGHTING CONNECTOR AT END OF FRAME, WITH CAP			\$500.00



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Data Code	Description	Weight Front	Weight Rear	Retail Price
34C-011	ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR			\$95.00
362-2JT	CUSTOMER INSTALLED CHELSEA 281 SERIES PTO	50		N/C
363-001	PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON			N/C
341-018	MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN			STD
345-003	PUSH BUTTON ELECTRONIC SHIFT CONTROL, DASH MOUNTED			\$365.00
97G-004	TRANSMISSION PROGNOSTICS - ENABLED 2013			STD
370-011	WATER TO OIL TRANSMISSION COOLER, FRAME MOUNTED			STD
346-003	TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK			STD
35T-001	ATF-SYNTHETIC AUTOMATIC TRANSMISSION FLUID			STD

Front Axle and Equipment

400-1BA	DETROIT DA-F-18.0-5 18,000# FL1 71.0 KPI/3.74 DROP SINGLE FRONT AXLE	210		\$2,253.00
402-030	MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10		N/C
403-002	NON-ASBESTOS FRONT BRAKE LINING			STD
419-023	CONMET CAST IRON FRONT BRAKE DRUMS			\$8.00
427-001	FRONT BRAKE DUST SHIELDS	5		\$102.00
409-006	FRONT OIL SEALS			STD
408-001	VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL			STD
416-022	STANDARD SPINDLE NUTS FOR ALL AXLES			STD
405-003	HALDEX AUTOMATIC FRONT SLACK ADJUSTERS			\$51.00
406-001	STANDARD KING PIN BUSHINGS			STD
536-055	TRW THP-60 POWER STEERING WITH RCH45 AUXILIARY GEAR	130		\$1,142.00
539-003	POWER STEERING PUMP			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
534-003	4 QUART POWER STEERING RESERVOIR			N/C
533-001	OIL/AIR POWER STEERING COOLER			N/C
40T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE			\$17.00
Front Suspension				
620-005	18,000# FLAT LEAF FRONT SUSPENSION	290		\$767.00
619-004	GRAPHITE BRONZE BUSHINGS WITH SEALS - FRONT SUSPENSION			N/C
62H-010	FRONT SUSPENSION WITH LEFT HAND OFFSET SHACKLE BRACKET	4		\$79.00
410-001	FRONT SHOCK ABSORBERS			\$121.00
Rear Axle and Equipment				
420-1K3	MERITOR MT-40-14X 40,000# R-SERIES TANDEM REAR AXLE		-40	\$608.00
421-433	4.33 REAR AXLE RATIO			N/C
424-003	IRON REAR AXLE CARRIER WITH OPTIONAL HEAVY DUTY AXLE HOUSING		40	\$102.00
386-075	MXL 18T MERITOR EXTENDED LUBE MAIN DRIVELINE WITH HALF ROUND YOKES	-10	-10	\$157.00
388-073	MXL 17T MERITOR EXTENDED LUBE INTERAXLE DRIVELINE WITH HALF ROUND YOKES			STD
452-006	DRIVER CONTROLLED TRACTION DIFFERENTIAL - BOTH TANDEM REAR AXLES		30	\$1,317.00
878-022	(1) INTERAXLE LOCK VALVE, (1) DRIVER CONTROLLED DIFFERENTIAL LOCK FORWARD-REAR AXLE VALVE AND (1) REAR-REAR AXLE VALVE			\$24.00
87A-005	INDICATOR LIGHT FOR EACH INTERAXLE LOCKOUT SWITCH			N/C
87B-014	INDICATOR LIGHT AND BUZZER FOR EACH DIFFERENTIAL LOCKOUT SWITCH, ENGAGE <5 MPH, DISENGAGE >25 MPH			N/C
423-033	MERITOR 16.5X7 Q+ CAST SPIDER HEAVY DUTY CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES			\$303.00
433-002	NON-ASBESTOS REAR BRAKE LINING			STD
434-019	ASPHALT SPREADER CLEARANCE REAR BRAKE GEOMETRY			N/C



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451-023	CONMET CAST IRON REAR BRAKE DRUMS			\$87.00
425-002	REAR BRAKE DUST SHIELDS		10	\$130.00
440-006	REAR OIL SEALS			STD
426-101	WABCO TRISTOP D LONGSTROKE 2-DRIVE AXLE SPRING PARKING CHAMBERS			STD
428-003	HALDEX AUTOMATIC REAR SLACK ADJUSTERS			\$93.00
41T-002	CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE			STD
42T-001	STANDARD REAR AXLE BREATHER(S)			STD

Rear Suspension

622-297	TUFTRAC GEN2 40,000# REAR SPRING SUSPENSION		275	\$3,411.00
621-108	9.5 INCH NOMINAL RIDE HEIGHT (460MM GLOBAL REFERENCE HEIGHT)			N/C
431-003	AXLE CLAMPING GROUP			N/C
624-025	55 INCH AXLE SPACING			N/C
623-006	FORE/AFT AND TRANSVERSE CONTROL RODS			N/C
439-001	REAR SHOCK ABSORBERS - ONE AXLE			N/C

Pusher / Tag Equipment

429-998	NO PUSHER/TAG BRAKE DUST SHIELDS			STD
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Brake System

490-121	WABCO 4S/4M ABS WITH TRACTION CONTROL			STD
871-001	REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES			STD
46E-001	STANDARD AIR MANAGEMENT UNIT			STD
904-001	FIBER BRAID PARKING BRAKE HOSE			STD
412-001	STANDARD BRAKE SYSTEM VALVES			STD
46D-002	STANDARD AIR SYSTEM PRESSURE PROTECTION SYSTEM			STD



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413-002	STD U.S. FRONT BRAKE VALVE			STD
432-003	RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE			STD
480-088	WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER			STD
479-003	AIR DRYER MOUNTED INBOARD ON LH RAIL			N/C
460-1AE	STEEL AIR TANKS MOUNTED FOR MAX GROUND CLEARANCE, (BELLY PLOW - AA3-073)			\$165.00
477-001	PULL CABLE ON WET TANK, PETCOCK DRAIN VALVES ON ALL OTHER AIR TANKS			STD

Trailer Connections

476-998	NO AIR HOSE HANGER			STD
914-001	AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS			N/C
296-027	PRIMARY CONNECTOR/RECEPTACLE WIRED FOR COMBINATION STOP/TURN, CENTER PIN POWERED THROUGH IGNITION WITH STOP SIGNAL PREWIRE PACKAGE			\$59.00
303-025	SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME			N/C

Wheelbase & Frame

545-532	5325MM (210 INCH) WHEELBASE			N/C
546-1B2	1/2X3.64X11-7/8 INCH STEEL FRAME (12.7MMX301.6MM/0.5X11.88 INCH) 120KSI	360	300	\$2,850.00
547-034	PARTIAL INNER FRAME REINFORCEMENT AT FRONT SUSPENSION	180		\$1,060.00
548-803	TEM TO EVALUATE AND INSTALL FRAME RAIL REINFORCEMENT AS NEEDED FOR FRONT FRAME MOUNTED EQUIPMENT			N/C
552-021	1275MM (50 INCH) REAR FRAME OVERHANG			N/C
55W-004	FRAME OVERHANG RANGE: 41 INCH TO 50 INCH	20	-120	N/C
549-002	24 INCH INTEGRAL FRONT FRAME EXTENSION	140	-20	\$460.00
AC8-99D	CALC'D BACK OF CAB TO REAR SUSP C/L (CA) 144.09 in			
AE8-99D	CALCULATED EFFECTIVE BACK OF CAB TO REAR SUSPENSION C/L (CA) 141.09 in			



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AE4-99D	CALC'D FRAME LENGTH - OVERALL 329.45 in			
FSS-0LH	CALCULATED FRAME SPACE LH SIDE 60.92 in			N/C
FSS-0RH	CALCULATED FRAME SPACE RH SIDE 89.49 in			N/C
AM6-99D	CALC'D SPACE AVAILABLE FOR DECKPLATE 0.0 in			
553-001	SQUARE END OF FRAME			STD
550-001	FRONT CLOSING CROSSMEMBER			STD
559-001	STANDARD WEIGHT ENGINE CROSSMEMBER			STD
562-001	STANDARD MIDSHIP #1 CROSSMEMBER(S)			STD
572-001	STANDARD REARMOST CROSSMEMBER			STD
565-002	HEAVY DUTY SUSPENSION CROSSMEMBER		30	N/C

Chassis Equipment

556-997	OMIT FRONT BUMPER, CUSTOMER INSTALLED SPECIAL BUMPER, DOES NOT COMPLY WITH FMCSR 393.203	-100		(\$294.00)
585-998	NO MUDFLAP BRACKETS			STD
590-998	NO REAR MUDFLAPS			STD
551-001	HUCK-SPIN ROUND COLLAR CHASSIS FASTENERS SUSPENSIONS ONLY			(\$77.00)
44Z-002	EXTERIOR HARNESSSES WRAPPED IN ABRASION TAPE			STD
607-001	CLEAR FRAME RAILS FROM BACK OF CAB TO FRONT REAR SUSPENSION BRACKET, BOTH RAILS OUTBOARD			\$218.00

Fifth Wheel

578-998	NO FIFTH WHEEL			STD
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Fuel Tanks

204-192	50 GALLON/189 LITER RECTANGULAR ALUMINUM FUEL TANK - LH	-15	10	\$45.00
218-005	RECTANGULAR FUEL TANK(S)			N/C
215-021	PLAIN ALUMINUM/HYDRAULIC FUEL TANK(S) WITH PAINTED ZINC-PLATED STEEL BANDS			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
212-011	FUEL TANK(S) FORWARD - RAISED MOUNTING			\$360.00
664-001	PLAIN STEP FINISH			STD
205-001	FUEL TANK CAP(S)			STD
122-079	ALLIANCE FUEL FILTER/WATER SEPARATOR WITH HEATED BOWL AND INDICATOR LIGHT	15		\$40.00
216-020	EQUIFLO INBOARD FUEL SYSTEM			STD
202-016	HIGH TEMPERATURE REINFORCED NYLON FUEL LINE			STD

Tires

093-10C	CONTINENTAL INTELLIGENT HSC3 315/80R22.5 20 PLY RADIAL FRONT TIRES	106		\$1,040.00
094-12P	CONTINENTAL HDR2+ 11R22.5 14 PLY RADIAL REAR TIRES		184	\$440.00

Hubs

418-060	CONMET PRESET PLUS PREMIUM IRON FRONT HUBS			STD
450-060	CONMET PRESET PLUS PREMIUM IRON REAR HUBS			STD

Wheels

502-664	ALCOA ULTRA ONE 89U63X 22.5X9.00 10-HUB PILOT 3.12 INSET 10-HD ALUMINUM FRONT WHEELS	-44		\$500.00
505-1HB	ALCOA 88167X 22.5X8.25 10-HUB PILOT ALUMINUM DISC REAR WHEELS		-248	\$1,280.00
524-022	POLISHED DISC SIDE FRONT WHEELS WITH DURA-BRIGHT FINISH			\$170.00
525-023	POLISHED OUTER (DISHED SIDE) REAR WHEELS WITH OUTER ONLY DURA-BRIGHT FINISH			\$400.00
496-011	FRONT WHEEL MOUNTING NUTS			STD
497-011	REAR WHEEL MOUNTING NUTS			STD

Cab Exterior

829-1A2	114 INCH BBC FLAT ROOF ALUMINUM CONVENTIONAL CAB			STD
650-008	AIR CAB MOUNTING			STD
648-002	NONREMOVABLE BUGSCREEN MOUNTED BEHIND GRILLE			STD



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667-037	SHORT FENDER WITH MUDFLAP			\$141.00
754-017	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10		\$115.00
678-018	LH AND RH EXTERIOR GRAB HANDLES WITH SINGLE RUBBER INSERT			\$54.00
645-002	BRIGHT FINISH RADIATOR SHELL/HOOD BEZEL			\$253.00
646-042	STATIONARY BLACK GRILLE WITH BRIGHT ACCENTS			\$88.00
65X-003	CHROME HOOD MOUNTED AIR INTAKE GRILLE			\$15.00
644-004	FIBERGLASS HOOD			STD
652-001	FREIGHTLINER NAME PLATES			STD
690-017	HOOD LINER, ADDED FIREWALL AND FLOOR HEAT INSULATION	5		\$117.00
727-1AJ	DUAL 14 INCH ROUND POLISHED AIR HORNS	4		\$100.00
726-001	SINGLE ELECTRIC HORN			STD
728-002	DUAL HORN SHIELDS			N/C
575-001	REAR LICENSE PLATE MOUNT END OF FRAME			STD
312-067	HALOGEN COMPOSITE HEADLAMPS WITH BRIGHT BEZELS			N/C
302-047	LED AERODYNAMIC MARKER LIGHTS			STD
311-001	DAYTIME RUNNING LIGHTS			STD
294-001	INTEGRAL STOP/TAIL/BACKUP LIGHTS			STD
300-015	STANDARD FRONT TURN SIGNAL LAMPS			STD
744-1BC	DUAL WEST COAST BRIGHT FINISH HEATED MIRRORS WITH LH AND RH REMOTE			\$133.00
797-001	DOOR MOUNTED MIRRORS			STD
796-001	102 INCH EQUIPMENT WIDTH			STD
743-204	LH AND RH 8 INCH BRIGHT FINISH CONVEX MIRRORS MOUNTED UNDER PRIMARY MIRRORS			N/C



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Data Code	Description	Weight Front	Weight Rear	Retail Price
74B-080	RH AND LH 8 INCH STAINLESS STEEL FENDER MOUNTED CONVEX MIRRORS WITH TRIPOD BRACKETS	8		\$201.00
729-001	STANDARD SIDE/REAR REFLECTORS			STD
677-062	FIXED CAB MOUNTED STEPS LH AND RH FOR CAB ENTRY, BELLY PLOW BODY WITH HIGH GROUND CLEARANCE DOES NOT COMPLY FMCSR 399			\$106.00
764-010	COMPOSITE EXTERIOR SUN VISOR	10		\$247.00
768-043	63X14 INCH TINTED REAR WINDOW			STD
661-004	TINTED DOOR GLASS LH AND RH WITH TINTED OPERATING WING WINDOWS			STD
654-011	RH AND LH ELECTRIC POWERED WINDOWS			STD
769-002	LOWER RH DOOR WINDOW WITH FRESNEL LENS	7		\$206.00
663-029	1-PIECE BONDED HEATED WIPER PARK SOLAR GREEN GLASS WINDSHIELD			\$423.00
659-007	8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITHOUT FLUID LEVEL INDICATOR			STD
647-001	WHITE WINTERFRONT	2		\$60.00

Cab Interior

055-019	RUGGED TRIM PACKAGE			STD
707-107	GRAY & CARBON VINYL INTERIOR "RUGGED"			STD
70K-020	CARBON WITH PREMIUM GUNMETAL ACCENT (RUGGED)			STD
706-013	MOLDED DOOR PANEL			STD
708-013	MOLDED PLASTIC DOOR PANEL			STD
772-006	BLACK MATS WITH SINGLE INSULATION			STD
785-026	(1)DASH MOUNTED 12V POWER OUTLET, (1)DASH MOUNTED DUAL USB-C OUTLET			\$45.00
691-001	FORWARD ROOF MOUNTED CONSOLE			STD
693-035	LH AND RH KICKPLATES			\$131.00
738-021	DIGITAL ALARM CLOCK IN DRIVER DISPLAY			STD



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Data Code	Description	Weight Front	Weight Rear	Retail Price
742-007	(2) CUP HOLDERS LH AND RH DASH			STD
680-029	M2/SD DASH			STD
700-002	HEATER, DEFROSTER AND AIR CONDITIONER			STD
701-008	STANDARD HVAC DUCTING WITH SNOW SHIELD FOR FRESH AIR INTAKE			\$31.00
703-005	MAIN HVAC CONTROLS WITH RECIRCULATION SWITCH			STD
170-015	STANDARD HEATER PLUMBING			STD
130-041	VALEO HEAVY DUTY A/C REFRIGERANT COMPRESSOR			STD
702-002	BINARY CONTROL, R-134A			STD
739-034	PREMIUM INSULATION			\$145.00
285-013	SOLID-STATE CIRCUIT PROTECTION AND FUSES			STD
280-007	12V NEGATIVE GROUND ELECTRICAL SYSTEM			STD
324-1B2	PREMIUM LED CAB LIGHTING			\$50.00
787-998	NO SECURITY DEVICE			N/C
657-001	DOOR LOCKS AND IGNITION SWITCH KEYED THE SAME			STD
78G-002	KEY QUANTITY OF 2			STD
655-005	LH AND RH ELECTRIC DOOR LOCKS			STD
740-998	NO MATTRESS	-20	-15	STD
756-339	PREMIUM ISRINGHAUSEN HIGH BACK AIR SUSPENSION DRIVERS SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	70		\$360.00
760-335	BASIC ISRI HIGH BACK NON SUSPENSION PASSENGER SEAT			STD
759-007	DUAL DRIVER SEAT ARMRESTS, NO PASSENGER SEAT ARMRESTS	4		\$69.00
711-004	LH AND RH INTEGRAL DOOR PANEL ARMRESTS			STD
758-014	BLACK CORDURA PLUS CLOTH DRIVER SEAT COVER			(\$76.00)



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761-014	BLACK CORDURA PLUS CLOTH PASSENGER SEAT COVER			(\$70.00)
763-101	BLACK SEAT BELTS			STD
532-002	ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN			STD
540-070	4-SPOKE 18 INCH (450MM) LEATHER WRAPPED STEERING WHEEL WITH CHROME SWITCH BEZELS			STD
765-002	DRIVER AND PASSENGER INTERIOR SUN VISORS			STD

Instruments & Controls

106-002	ELECTRONIC ACCELERATOR CONTROL			STD
732-998	NO INSTRUMENT PANEL-DRIVER			STD
734-022	FULLY CONFIGURABLE CENTER INSTRUMENT PANELS			STD
87L-001	ENGINE PTO SPEED CONTROL WITH PARK BRAKE INTERLOCK			N/C
870-002	BRIGHT ARGENT FINISH GAUGE BEZELS			STD
486-001	LOW AIR PRESSURE INDICATOR LIGHT AND AUDIBLE ALARM			STD
840-001	DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE			STD
198-002	INTAKE MOUNTED AIR RESTRICTION INDICATOR WITH GRADUATIONS			\$15.00
149-015	ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES			STD
156-007	KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY			STD
811-044	PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY			STD
81B-003	DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY			STD
160-038	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR LOCATED BELOW LH DASH			STD
844-001	2 INCH ELECTRIC FUEL GAUGE			STD
148-072	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS			\$134.00



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48H-003	QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH CAPS			\$100.00
48C-003	QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) UNDER CAB WITH CAP			\$6.00
163-014	ENGINE REMOTE INTERFACE CONNECTOR AT POWERTRAIN INTERFACE CONNECTOR			N/C
856-001	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE			STD
854-008	DIGITAL ENGINE OIL TEMPERATURE IN DRIVER DISPLAY			STD
852-002	ELECTRIC ENGINE OIL PRESSURE GAUGE			STD
864-022	DIGITAL TRANSMISSION OIL TEMPERATURE IN DRIVER DISPLAY			STD
867-004	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER			STD
830-017	ENGINE AND TRIP HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY			STD
372-123	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE			\$60.00
73H-014	(1) BACKUP CAMERA-END OF FRAME MOUNTED WITH 15 FOOT EXTRA LONG CABLE COILED AT END OF FRAME			\$420.00
736-998	NO OBSTACLE DETECTION SYSTEM			(\$4,324.00)
72J-998	NO DR ASSIST SYSTEM			N/C
49B-004	ELECTRONIC STABILITY CONTROL			STD
73B-998	NO LANE DEPARTURE WARNING SYSTEM			(\$1,080.00)
679-998	NO OVERHEAD INSTRUMENT PANEL			STD
35M-010	1 QUICKFIT PROGRAMABLE MODULE (QPM/XMC)	10		\$780.00
1U1-002	TOP OF DASH RAM MOUNT WITHOUT POWER OR GROUND, FOR CUSTOMER FURNISHED DEVICE			\$60.00
746-143	7" B-PANEL INTERACTIVE TOUCHSCREEN DISPLAY RADIO W/ USB-C, APPLE CARPLAY, ANDROID AUTO, BLUETOOTH/AM/FM/SXM/WB, WITH MICROPHONE			STD
747-001	DASH MOUNTED RADIO			STD
750-002	(2) RADIO SPEAKERS IN CAB			STD



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753-998	NO AM/FM RADIO ANTENNA			STD
748-006	POWER AND GROUND WIRING PROVISION OVERHEAD			N/C
749-001	ROOF/OVERHEAD CONSOLE CB RADIO PROVISION			N/C
752-004	SINGLE FIBERGLASS LH MIRROR MOUNTED CB ANTENNA WITH BRACKET AND LEAD	2		\$53.00
75W-006	SHARKFIN MULTI-BAND ANTENNA, CENTRAL ROOF MOUNTING LOCATION: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, SDAR/SIRIUSXM, GNSS/GPS			\$5.00
78C-003	INTEROPERABLE SDAR ANTENNA			STD
810-027	ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER			STD
817-001	STANDARD VEHICLE SPEED SENSOR			STD
812-001	ELECTRONIC 3000 RPM TACHOMETER			STD
813-1C8	DETROIT CONNECT PLATFORM HARDWARE			STD
8D1-315	5 YEARS DAIMLER CONNECTIVITY BASE PACKAGE (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES			N/C
8D4-998	NO FUEL SYSTEMS DATA SERVICE(SCO)			STD
6TS-008	(2) TMC RP1226 ACCESSORY CONNECTORS: (1) LOCATED BEHIND PASSENGER SIDE REMOVABLE DASH PANEL (1) CENTER OF OVERHEAD CONSOLE			\$40.00
162-002	IGNITION SWITCH CONTROLLED ENGINE STOP			STD
329-133	FOUR EXTRA HARDWIRED SWITCHES IN DASH, ROUTE TO BETWEEN SEATS, BLUNTCUT			\$50.00
4C1-025	HARDWIRE SWITCH #1, ON/OFF LATCHING, 20 AMPS IGNITION POWER			\$90.00
4C2-025	HARDWIRE SWITCH #2, ON/OFF LATCHING, 20 AMPS IGNITION POWER			\$40.00
4C3-016	HARDWIRE SWITCH #3, ON/OFF LATCHING, 20 AMPS IGNITION POWER			\$40.00
4C4-016	HARDWIRE SWITCH #4, ON/OFF LATCHING, 20 AMPS IGNITION POWER			\$40.00
81Y-006	PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS AND SERVICE BRAKES			\$51.00



Prepared For :
Dustin Burns
MINNESOTA STATE OF
50 Sherburne Ave Suite 11
Saint Paul, MN 55155
UNITED STATES
Phone :651-201-2441

Prepared by:
Andrew Peterson
DAVE SYVERSON FTL-STL
7 COUNTY ROAD 16 SE
ROCHESTER, MN 55904
Phone :507-280-3092

Data Code	Description	Weight Front	Weight Rear	Retail Price
264-030	(1) OVERHEAD MOUNTED LANYARD CONTROL FOR DRIVER AIR HORN			STD
482-001	STANDARD TRACTOR PROTECTION VALVE			N/C
883-001	TRAILER HAND CONTROL BRAKE VALVE			N/C
836-015	DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY			STD
660-008	SINGLE ELECTRIC WINDSHIELD WIPER MOTOR WITH DELAY			STD
304-030	ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS			N/C
882-004	TWO VALVE PARKING BRAKE SYSTEM WITH WARNING INDICATOR			N/C
299-020	SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT			STD
298-046	INTEGRAL ELECTRONIC TURN SIGNAL FLASHER WITH 40 AMP (20 AMP PER SIDE) TRAILER LAMP CAPACITY			STD
87T-998	NO WRG/SW-OPTL #2,CHAS,AIR			STD

Design

* 065-000	PAINT: ONE SOLID COLOR			STD
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Color

* 980-7RM	CAB COLOR A: L3004EY OSHA ORANGE ELITE EY			N/C
986-020	BLACK, HIGH SOLIDS POLYURETHANE CHASSIS PAINT			STD
976-995	SUNVISOR PAINTED SAME AS CAB COLOR A			N/C
963-003	STANDARD E COAT/UNDERCOATING			STD

Certification / Compliance

996-001	U.S. FMVSS CERTIFICATION, EXCEPT SALES CABS AND GLIDER KITS			STD
---------	---	--	--	-----

Sales Programs

RD4-998	NO DETROIT CONNECT FUEL ANALYTICS			STD
---------	-----------------------------------	--	--	-----

TOTAL VEHICLE SUMMARY



Prepared For :
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7 COUNTY ROAD 16 SE
ROCHESTER, MN 55904
Phone :507-280-3092

Adjusted List Price

Adjusted List Price ** \$ 207,449.00

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight+	9750 lbs	6502 lbs	16252 lbs
Total Weight+	9750 lbs	6502 lbs	16252 lbs

ITEMS NOT INCLUDED IN ADJUSTED LIST PRICE

Other Factory Charges

PMV-024	GHG24 SURCHARGE - CUMMINS	\$450.00
RD1-315	5 YEARS DAIMLER CONNECTIVITY BASE PACKAGE (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT ON CUMMINS ENGINES	N/C
RD3-998	NO SAFETY EVENT VIEWER	(\$180.00)
RAG-020	CUMMINS TARIFF CHARGE - \$205	\$205.00
PAT-025	STEEL, ALUMINUM, AND CHINA TARIFF IMPACT FEE 108/114 SD AND M2 106/112	\$1,500.00
R27-001	MY27 ESCALATOR	\$3,750.00
P73-2FT	STANDARD DESTINATION CHARGE	\$3,375.00

Extended Warranty

WAG-074	TOWING: 1 YEAR/UNLIMITED MILES/KM EXTENDED TOWING COVERAGE \$750 CAP FEX APPLIES	\$230.00
	Currency Exchange Rate	1.0000
	Total Extended Warranty (local Currency)	\$ 230.00

(+) Weights Shown are estimates only.
If weight is critical, contact Customer Application Engineering.

(**) Prices shown do not include taxes, fees, etc... "Net Equipment Selling Price" is located on the Quotation Details Proposal Report.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.



Street Commission**5) c)****Meeting Date:** 02/03/2026**ITEM TITLE:** Matt Wobbe replacement hire process**DEPARTMENT:** Public Works**REQUESTED BY:** Public Works

PURPOSE:

Discuss the planned departure of Matt Wobbe from Public Works and the hiring process.

ITEM SUMMARY:

Matt Wobbe, our Public Works Tech II, is actively searching for employment and housing near Rochester, MN. This will be a big loss for our department. Matt sets the bar for the crew, and has been here 5 1/2 years leading them on projects, filling in for supervisors when we are gone. He also supervised the summer riding lawn mower crew. Matt is currently applying in various public works fields in that area, and we know his departure is coming. Since the leadership staff is not entirely sure if we are hiring within to move somebody up to fill his position, keeping it open and simply hiring another Tech I, or hiring someone to come in with the knowledge needed, we would like to advertise for a Public Works Tech I, Class 5 Step 1 is \$26.13 per hour, and at the same time, advertise for a Public Works Tech II, Class 6 Step 1 is \$27.44 in case there is someone out there knowledgeable enough to take over where Matt left off with little to no training. We can then go through all the applications we receive, before we make a plan to move forward. Just to clarify, we will only be hiring 1 person regardless of the outcome.

STAFF RECOMMENDATION:

Advertise for both Public Works Tech I, and Public Works Tech II positions to see what we receive in applications. Just to clarify, we will only be hiring 1 person regardless of the outcome.

Street Commission

5) d)

Meeting Date: 02/03/2026

SUBJECT: Commissioner Expectations

DEPARTMENT: Administration

TITLE:

Commissioner Expectations

PURPOSE:

Review meeting tips to keep things running smoothly

ITEM SUMMARY:

Here are some goals and expectations for the year to keep things running smoothly:

1. Let us know in **advance of the meeting** if you cannot attend so that we can cancel if we do not have quorum.
 3. The Commission meeting will be published or canceled at least 3 days before the meeting. If this does not occur, please contact City Staff.
 4. E-mails with questions are fine but send the email with just the Chair copied or request that your question go on a meeting agenda. Email dialogue among a quorum of Commission Members is **NOT ALLOWED due to public meeting law**.
 5. Staff generally set meeting agenda items, in coordination with the Chair of the Commission. However, if you would like an item discussed, please email it ahead of time so it can go on the agenda and can be researched by staff.
 6. Where possible, read agenda and agenda background information in advance. Some Commission members and Council members reach out to staff ahead of time for information that may require additional research which is greatly appreciated.
-

Street Commission

5) e)

Meeting Date: 02/03/2026

ITEM TITLE: Preliminary Plat & Plans (Anchor Point Church Development)

DEPARTMENT: Administration

REQUESTED BY:

PURPOSE:

ITEM SUMMARY:

Review the plat and plans and provide comments for upcoming Planning Commission and Public Hearing on February 10, 2026.

Attachments

APC Preliminary Plat Memo



Real People. Real Solutions.

MEMORANDUM

Date: January 29, 2026
To: Wabasha Street and Utility Commission Meeting
From: Kristi Trisko, AICP, PMP
Subject: APC Subdivision Preliminary Plat

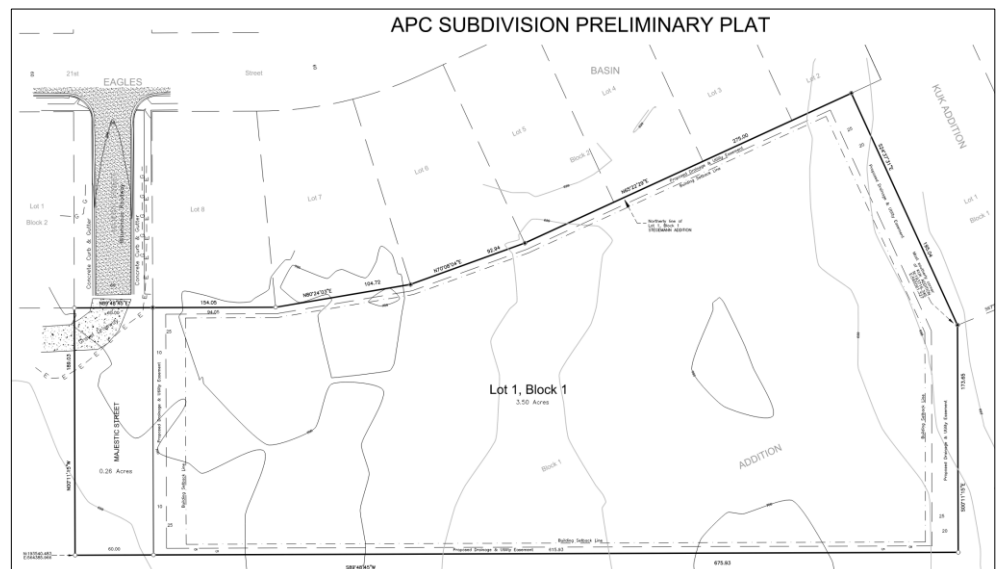
Meeting Date: 1/5/26 - Utility Commission Meeting
1/6/26 - Street Commission Meeting
Applicants: City of Wabasha
Agent: Johnson & Scofield Inc. Land Surveyors
Request: Preliminary Plat and Plans – 1 Lot 3.50 acres (Church Development)

Details: Anchor Point Church, c/o Randy Fuhrman has submitted the APC Subdivision Preliminary Plat and Plans to develop a church on 3.50 acres. Lot 1 Block 1 includes the extension of Majestic Street and water and sewer mains to the southern end of the lot. See the attached Preliminary Plans for those details. Redlines with specific corrections will be sent to the engineering firm prior to the approval of the final plat.



Figure 1 - Vicinity Map

Figure 2 - Preliminary Plat



Site Plan Details:

- Phase 1 is approximately 11,336 square feet (200 people max capacity) for a gymnasium which will double as a worship/meeting space. Their plans for the gym is to use it for worship on Sundays and to offer the use of the gym to community centric activities, such as allowing the school to use the space for practice or for hosting other community events. Our intent is to allow the use of the facility to other organizations free of charge. These events would happen throughout the week.
- Phase 2 is approximately 8,840 square feet and would primarily be an auditorium space with an estimated seating space of 370.
- Parking includes 167 standard parking spaces and 6 handicap spaces. 173 total parking stalls. The initial parking area will be smaller for phase 1 and sized appropriately, but the site plan doesn't articulate where the first phase of parking will be located.

City Engineer's Notes:

Additional comments will be sent to the project engineer along with redlines on the submitted plan set with corrections prior to the approval of the final plat. The owners will need to record an easement for the storm sewer outlet to the east. Since that's not in the plat boundary, they will need to record that easement as a separate agreement with the property owner.

The R/W for the City street is adequate and easements on the property are adequate outside of the storm sewer outlet mentioned above.

Planning Staff Review for the Preliminary Plat: The proposed lot meets the minimum standards within the R-2 Zone. I would recommend that the applicant and applicants engineering team make all recommended changes to the plans and specifications as directed by the City Engineer prior to the final plat.

Review of the Site Plan: Prior to reviewing the site plan, we will need a more clearly defined Phase 1 area for both building and parking areas to determine that the plan is consistent with city code and provide a clear understanding of the surface used for parking and driveways and how the remainder of the lot will be kept dust free until it is developed. Traffic and street concerns will be reviewed during the site plan review.

Traffic Concerns Raised: Specifically:

1. How can we justify the extra traffic on 21st Street?
2. Do we have traffic counts for a primary residential street? (*Average trips per day is 10 per single family home*)
3. Will the church pay to rebuild/repair when 21st Street assessments come due?
4. Should/Can we add a condition that they are required to build a roadway to the south to the existing gravel roadway used by the solar gardens for a secondary way out on Hiawatha Drive?
5. What is the estimated traffic from this use? (*We do not have a final site plan and final uses, or final building plans showing detailed maximum occupancy. Also, the final site plan will be phased so calculating traffic to answer this question today is not feasible with all these variables.*)

Street and Utility Commission Request: Please review the attached *APC Subdivision Preliminary Plat and Plans* and provide your comments to the Planning Commission. The Planning Commission will include all comments in their report to the City Council. The Preliminary Plat is scheduled to be reviewed by Planning Commission during their meeting and public hearing on this matter on February 10, 2026.

Street Commission – Traffic Concerns: Please review the questions within the traffic section above and respond to Staff with any conditions that you feel should be taken into consideration during the Site Plan Review phase of this project.

Recommended Conditions:

1. Prepare and record a separate easement agreement with the current property owner for the storm sewer outlet to the east of the site plan and outside of the plat area.
2. Make all suggested changes to the Plat and Plans based on the City Engineer's review prior to submitting the Final Plat.

Attachments: APC Subdivision Plat and Plans

APC SUBDIVISION PRELIMINARY PLAT

The plat shows Lot 1, Block 1, Stegemann Addition, which is 3.50 Acres. It is bounded by Majestic Street to the west, a proposed drainage and utility easement to the east, and a building setback line to the south. The lot is situated between the Eagles Basin and the KUK Addition. The plat includes various easements, including a concrete curb & gutter, a bituminous roadway, and a grave driveway. The boundaries are defined by bearings and distances, such as N89°48'45"E and 189.03 feet. A vicinity map in the bottom left corner shows the location of the site relative to Wabasha County Road No. 30. A legend explains symbols for iron pipes, electric lines, and gas lines. A scale bar indicates 1 inch equals 30 feet.

VICINITY MAP
Not to Scale

SITE

WABASHA COUNTY ROAD NO. 30

NE 1/4 NW 1/4 NE 1/4 SE 1/4 SW 1/4 NW 1/4 NE 1/4

NW 1/4 S.4, T.110N, R.10W

Legend:

- Denotes a placed 1" by 18" iron pipe having a plastic cap bearing land surveyor license no. 46559.
- Denotes a found 1" iron pipe.
- E — Denotes an underground electric line.
- G — Denotes an underground gas line.

The bearings shown hereon are based on the Wabasha County Coordinate System, NAD83, 1996 adjustment (HARN).

0 30 60 90
1"=30'
Scale in Feet

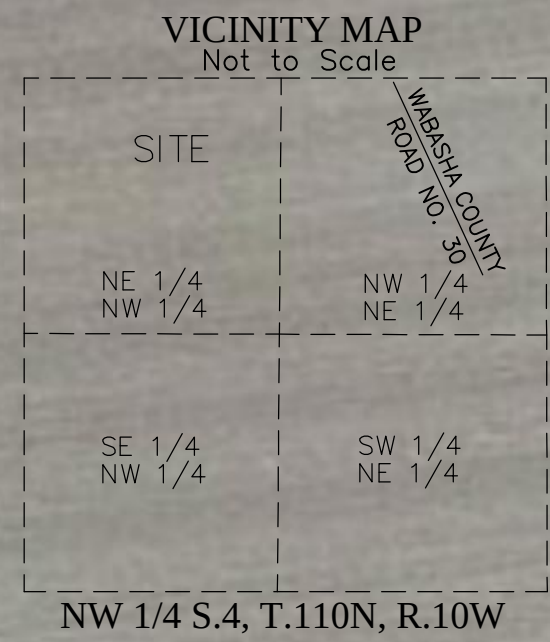
Proposed Description For Plat Certification:
That part of Lot 1, Block 1, STEGEMANN ADDITION, according to the plat thereof on file in the Office of the County Recorder, Wabasha County, Minnesota, described as follows:
Beginning at the most southerly corner of KUK ADDITION, according to the plat thereof on file in the Office of the County Recorder, Wabasha County, Minnesota, being an angle point in the northerly line of said Lot 1, Block 1, STEGEMANN ADDITION; thence South 00 degrees 11 minutes 15 seconds East, oriented with the Wabasha County Coordinate System, NAD83, 1996 adjustment (HARN), a distance of 173.65 feet; thence South 89 degrees 48 minutes 45 seconds West, a distance of 675.93 feet; thence North 00 degrees 11 minutes 15 seconds West, a distance of 189.03 feet to the northerly line of said Lot 1; thence North 89 degrees 48 minutes 45 seconds East, along said northerly line, a distance of 154.05 feet to an angle point in said northerly line; thence North 70 degrees 08 minutes 04 seconds East, along said northerly line, a distance of 104.72 feet to an angle point in said northerly line; thence North 65 degrees 22 minutes 29 seconds East, along said northerly line, a distance of 92.94 feet to an angle point in said northerly line; thence North 80 degrees 24 minutes 03 seconds East, along said northerly line, a distance of 104.72 feet to an angle point in said northerly line; thence North 70 degrees 08 minutes 04 seconds East, along said northerly line, a distance of 92.94 feet to an angle point in said northerly line; thence North 65 degrees 22 minutes 29 seconds East, along said northerly line, a distance of 275.00 feet to an angle point in said northerly line; thence South 24 degrees 37 minutes 31 seconds East, along said northerly line, a distance of 195.04 feet to the point of beginning.

Subject to all easements and restrictions of record.

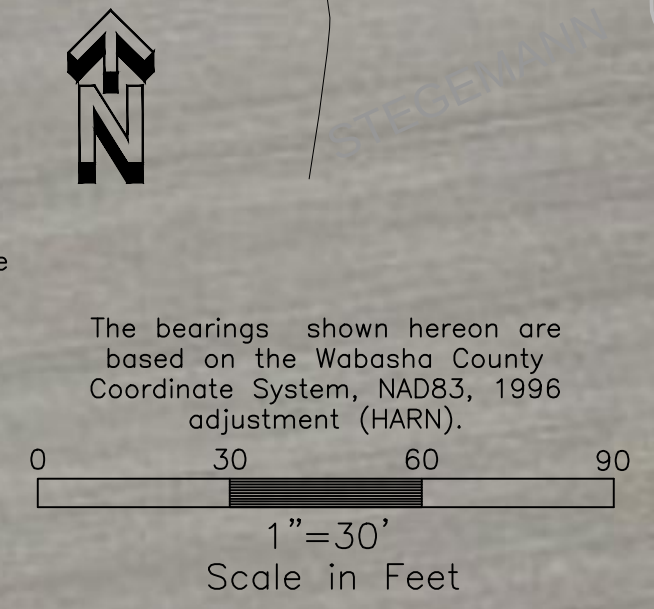
I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.
Brian Wodele
Brian Wodele
Minnesota License No. 46559
Date: 13 January 2026

JOHNSON & SCOFIELD INC.
SURVEYING AND ENGINEERING
4240 West 5th Street, Winona, MN 55987
(507)454-4134 FAX (507)454-2544
brianw@jstmail.com

APC SUBDIVISION PRELIMINARY PLAT



- Legend:
- Denotes a placed 1" by 18" iron pipe having a plastic cap bearing land surveyor license no. 46559.
 - Denotes a found 1" iron pipe.
 - E — Denotes an underground electric line.
 - G — Denotes an underground gas line.



That part of Lot 1, Block 1, STEGEMANN ADDITION, according to the plat thereof on file in the Office of the County Recorder, Wabasha County, Minnesota, described as follows:

Proposed Description For Plat Certification:

Beginning at the most southerly corner of KUK ADDITION, according to the plat thereof on file in the Office of the County Recorder, Wabasha County, Minnesota, being an angle point in the northerly line of said Lot 1, Block 1, STEGEMANN ADDITION; thence South 00 degrees 11 minutes 15 seconds East, oriented with the Wabasha County Coordinate System, NAD83, 1996 adjustment (HARN), a distance of 173.65 feet; thence South 89 degrees 48 minutes 45 seconds West, a distance of 675.93 feet; thence North 00 degrees 11 minutes 15 seconds West, a distance of 189.03 feet to the northerly line of said Lot 1; thence North 89 degrees 48 minutes 45 seconds East, along said northerly line, a distance of 154.05 feet to an angle point in said northerly line; thence North 80 degrees 24 minutes 03 seconds East, along said northerly line, a distance of 104.72 feet to an angle point in said northerly line; thence North 70 degrees 08 minutes 04 seconds East, along said northerly line, a distance of 92.94 feet to an angle point in said northerly line; thence North 65 degrees 22 minutes 29 seconds East, along said northerly line, a distance of 275.00 feet to an angle point in said northerly line; thence South 24 degrees 37 minutes 31 seconds East, along said northerly line, a distance of 195.04 feet to the point of beginning.

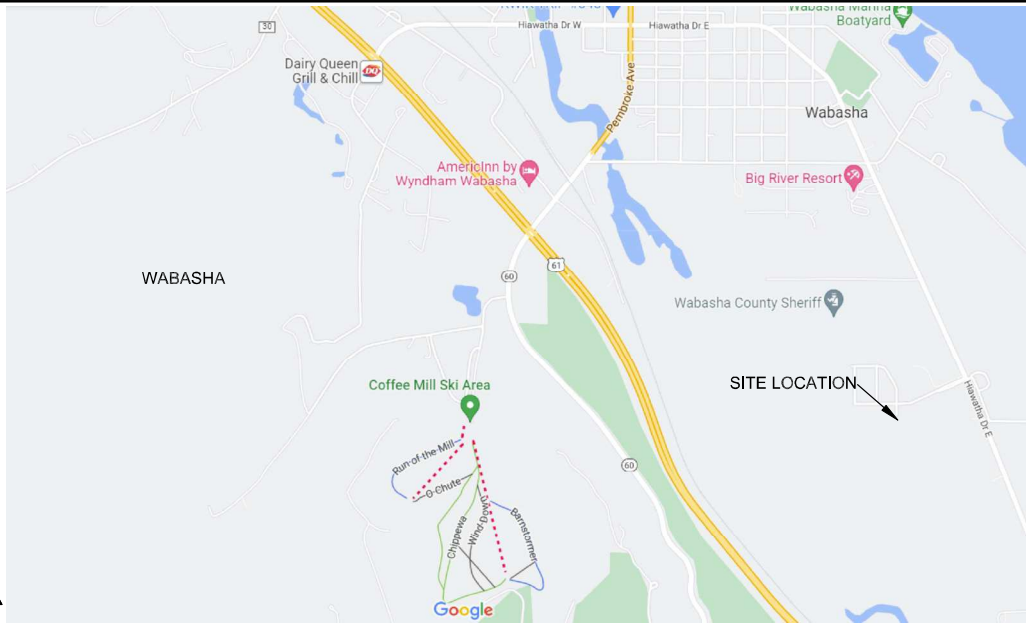
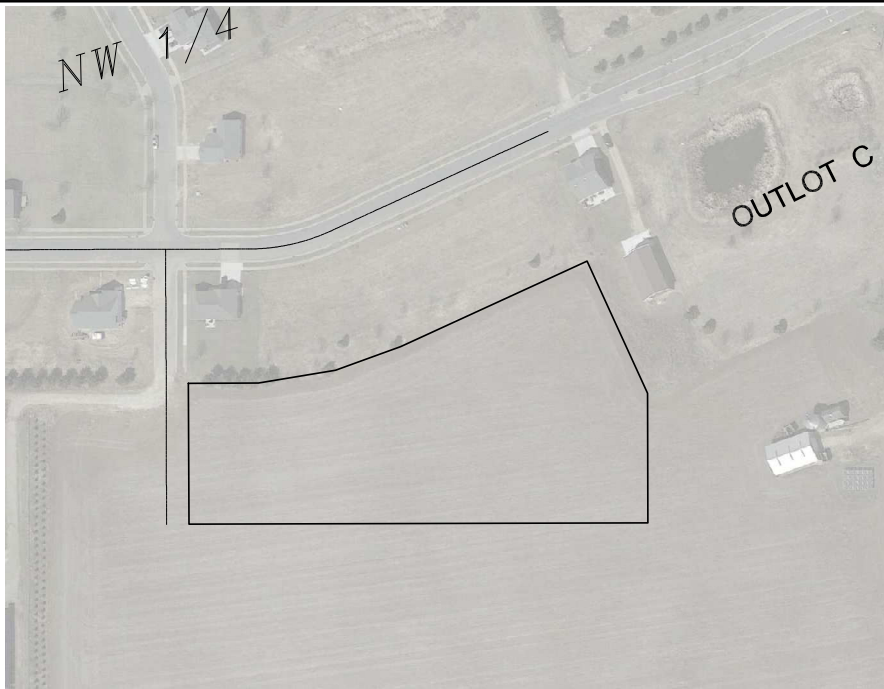
Subject to all easements and restrictions of record.

I hereby certify that this survey, plan or report was prepared by me or under my direct supervision and that I am a duly Licensed Land Surveyor under the laws of the State of Minnesota.

Brian Wodele

Brian Wodele
Minnesota License No. 46559
Date: 13 January 2026

JOHNSON & SCOFIELD INC.
SURVEYING AND ENGINEERING
4240 West 5th Street, Winona, MN 55987
(507)454-4134, FAX(507)454-2544
brianw@jstlmail.com



NOTES

- 1.) NO CONSTRUCTION MAY BEGIN UNTIL EROSION AND SEDIMENT CONTROLS ARE IN PLACE AND APPROVED BY THE CITY OF WABASHA.
- 2.) NO CONSTRUCTION MAY BEGIN UNTIL A PRECONSTRUCTION MEETING IS HELD WITH THE CITY OF WABASHA.
- 3.) PREVAILING SPECIFICATIONS: CITY OF WABASHA, MN MUTCD, MNDOT SPECIFICATIONS, CEAM SPECIFICATIONS.
- 4.) NO CHANGES SHALL BE MADE TO APPROVED PLANS WITHOUT WRITTEN CONSENT OF THE CITY OF WABASHA.
- 5.) ONLY CITY OF WABASHA EMPLOYEES ARE PERMITTED TO OPERATE VALVES AND HYDRANTS.
- 6.) CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE LOCATION OF ALL EXISTING UTILITIES.
- 7.) EXISTING "AS-BUILT" INFO IS FROM TOPOGRAPHIC SURVEY.
- 8.) NO GOPHER ONE CALL WAS MADE FOR THIS SURVEY AND DESIGN.

REVISION HISTORY

- △ ADDENDUM #1 10/1/2025
SHEET 12: GRADING WEST OF THE BUILDING REVISED FOR STREET EXTENSION.
SHEET 17: WATER AND SANITARY SEWER REVISED FOR STREET EXTENSION.
SHEET 18: MAJESTIC STREET EXTENSION PLAN AND PROFILE ADDED TO PLAN SET.

INDEX TO PLAN SHEETS

Sheet Title	Sheet No.
TITLE SHEET	1
STORM WATER POLLUTION PREVENTION PLAN	2-3
ENGINEER'S NOTES	4-5
LEGEND	6
EXISTING CONDITIONS, AND DEMOLITION PLAN	7
SITE PLAN	8-11
GRADING PLAN	12-16
UTILITY PLAN	17
MAJESTIC STREET PLAN AND PROFILE	18
HYDROLOGY ANALYSIS	19-21
DETAIL SHEETS	22-27

THIS PLAN CONTAINS 27 TOTAL SHEETS

CITY OF WABASHA CONTACTS

CITY HALL: 651-565-4568
PLANNING & ZONING DEPARTMENT: 651-565-4568
PUBLIC WORKS DEPARTMENT: 651-565-3404
WABASHA PUBLIC UTILITIES: 651-565-3818
FIRE DEPARTMENT NON-EMERGENCY: 651-565-3997
POLICE DEPARTMENT NON-EMERGENCY: 651-565-3261
EXCEL ENERGY: 800-895-4999
HIAWATHA BROADBAND: 651-565-0304
MID CONTINENT: 800-642-5509
CENTURYLINK: 800-244-111

FILE PATH \S:\Share\STR\110-10\4\APC\CIVIL DESIGN\CAD

CALL BEFORE YOU DIG
GOPHER STATE
ONE CALL
TWIN CITY AREA
MN, TEL: 651-454-0002
TOLL FREE: 1-800-252-1166

**Engineering, Surveying
& Planning**
JOHNSON & SCOFIELD INC.
1203 Main Street, Red Wing, MN 55066
ph: 651-386-1558 fax: 651-386-1559

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DRAWN SPD
CHECKED SPV

REVISED	BY	DATE

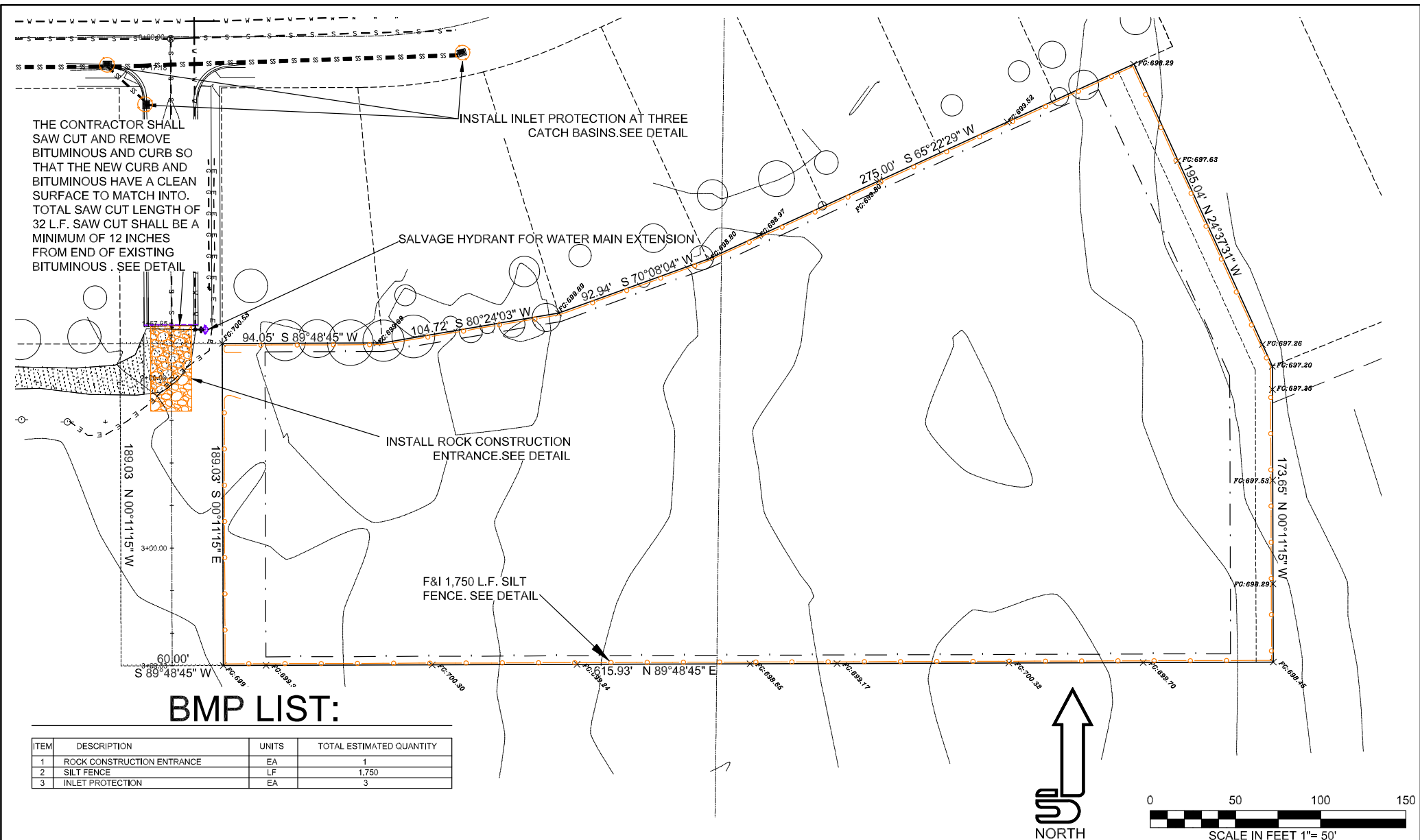
LATEST REVISION: 10-01-2025
Prepared For:
APC MINISTRY CENTER
C/O RANDY FUHRMAN
611 BROADWAY AVENUE, SUITE 77
WABASHA, MINNESOTA 55981
CELL: (651) 565-4860

APC MINISTRY CENTER

MAJESTIC STREET SOUTH | CITY OF WABASHA, MINNESOTA

TITLE SHEET

SHEET 1 OF 27 SHEETS



BMP LIST:

ITEM	DESCRIPTION	UNITS	TOTAL ESTIMATED QUANTITY
1	ROCK CONSTRUCTION ENTRANCE	EA	1
2	SILT FENCE	LF	1,750
3	INLET PROTECTION	EA	3

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ph: 651.386.1558 fax: 651.386.1559

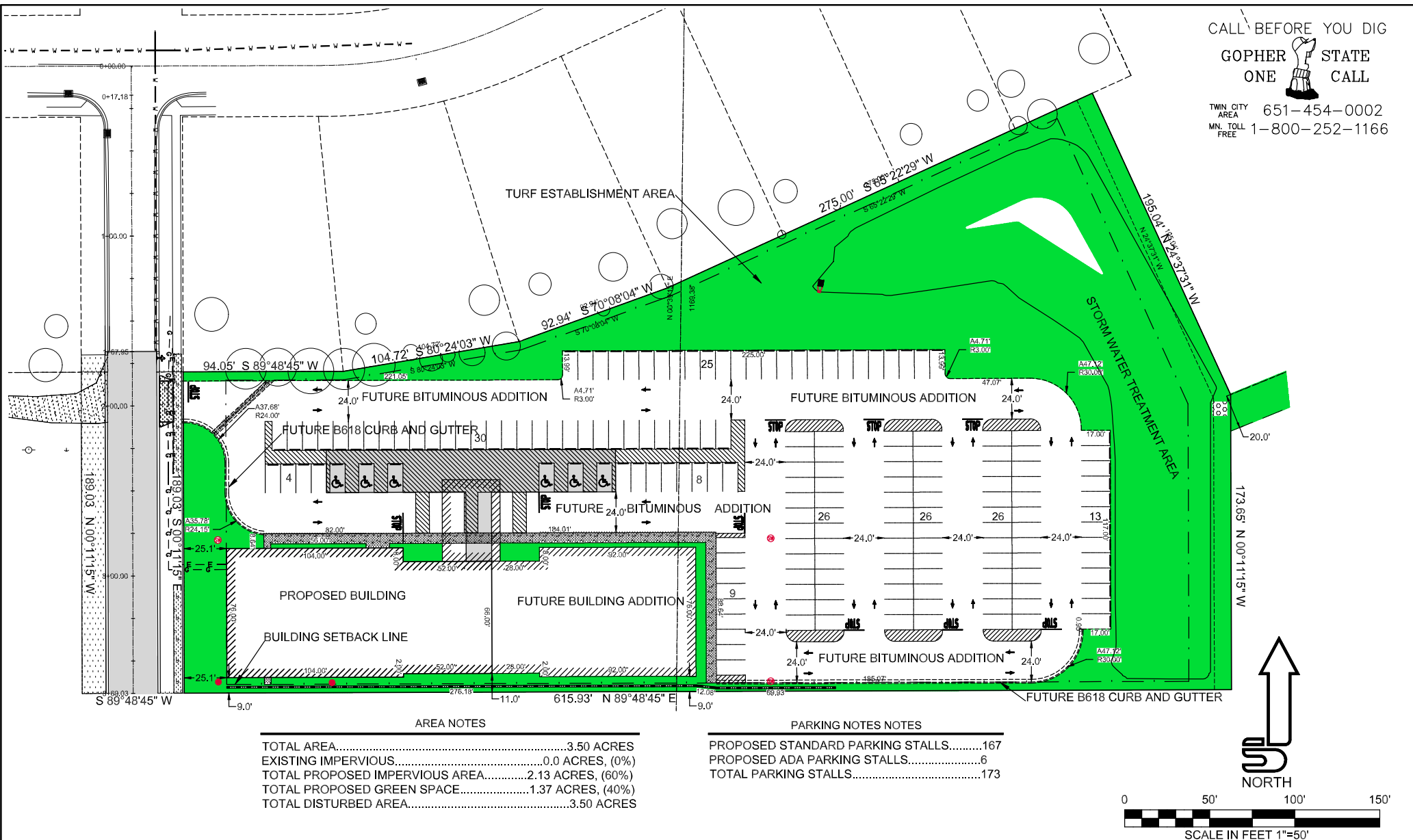
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CHECKED	SPV				APC MINISTRY CENTER
					C/O RANDY FUHRMAN
					611 BROADWAY AVENUE, SUITE 77
					WABASHA, MINNESOTA 55981
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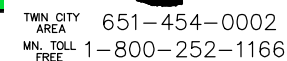
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MN. TOLL FREE 1-800-252-1166



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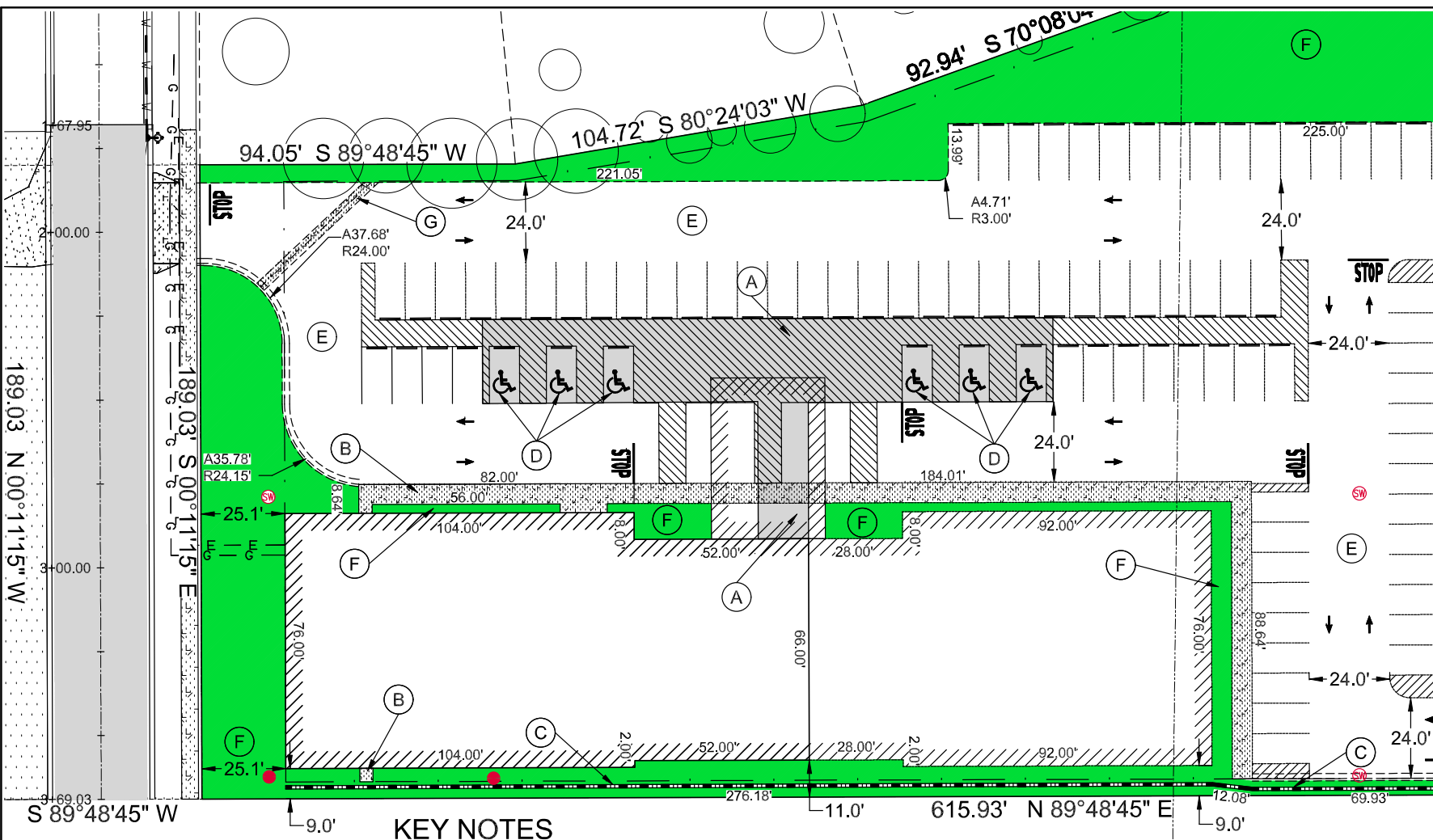
PRELIMINARY NOT FOR CONSTRUCTION	DESIGNED	SPD\SPV	REVISED	BY	DATE	LATEST REVISION: 10-01-2025
	DRAWN	SPD				Prepared For:
	CHECKED	SPV				APC MINISTRY CENTER
						C/O RANDY FUHRMAN
						611 BROADWAY AVENUE, SUITE 77
						WABASHA, MINNESOTA 55981
						CELL: (651) 560-4860

APC MINISTRY CENTER	SITE PLAN 1 OF 4
MAJESTIC STREET SOUTH CITY OF WABASHA, MINNESOTA	SHEET 8 OF 27 SHEETS



TWIN CITY AREA 651-454-0002
MN. TOLL FREE 1-800-252-1166

NORTH



KEY NOTES

- (A) INSTALL BITUMINOUS - SEE SECTION (D) INSTALL ADA PARKING STALL, SIGN AND LOADING STALL (G) INSTALL CONCRETE VALLEY GUTTER
- (B) INSTALL CONCRETE SIDEWALK - SEE SECTION (E) INSTALL 8" OF CLASS V AGGREGATE BASE
- (C) INSTALL 358 L.F. MODULAR BLOCK RETAINING WALL. SEE DETAILS (F) TURF ESTABLISHMENT AREA

 Engineering, Surveying
& Planning
JOHNSON & SCOFIELD INC.
1203 Main Street, Red Wing, MN 55066
ph. 651.398.1558 fax. 651.398.1559

PRELIMINARY
NOT FOR
CONSTRUCTION

	REVISED	BY	DATE	LATEST REVISION: 10-01-2025
DESIGNED	SPD\SPV			Prepared For:
DRAWN	SPD			APC MINISTRY CENTER
CHECKED	SPV			C/O RANDY FUHRMAN
				611 BROADWAY AVENUE, SUITE 77
				WABASHA, MINNESOTA 55981
				CELL: (612) 560-4780

APC MINISTRY CENTER

MAJESTIC STREET SOUTH | CITY OF WABASHA, MINNESOTA

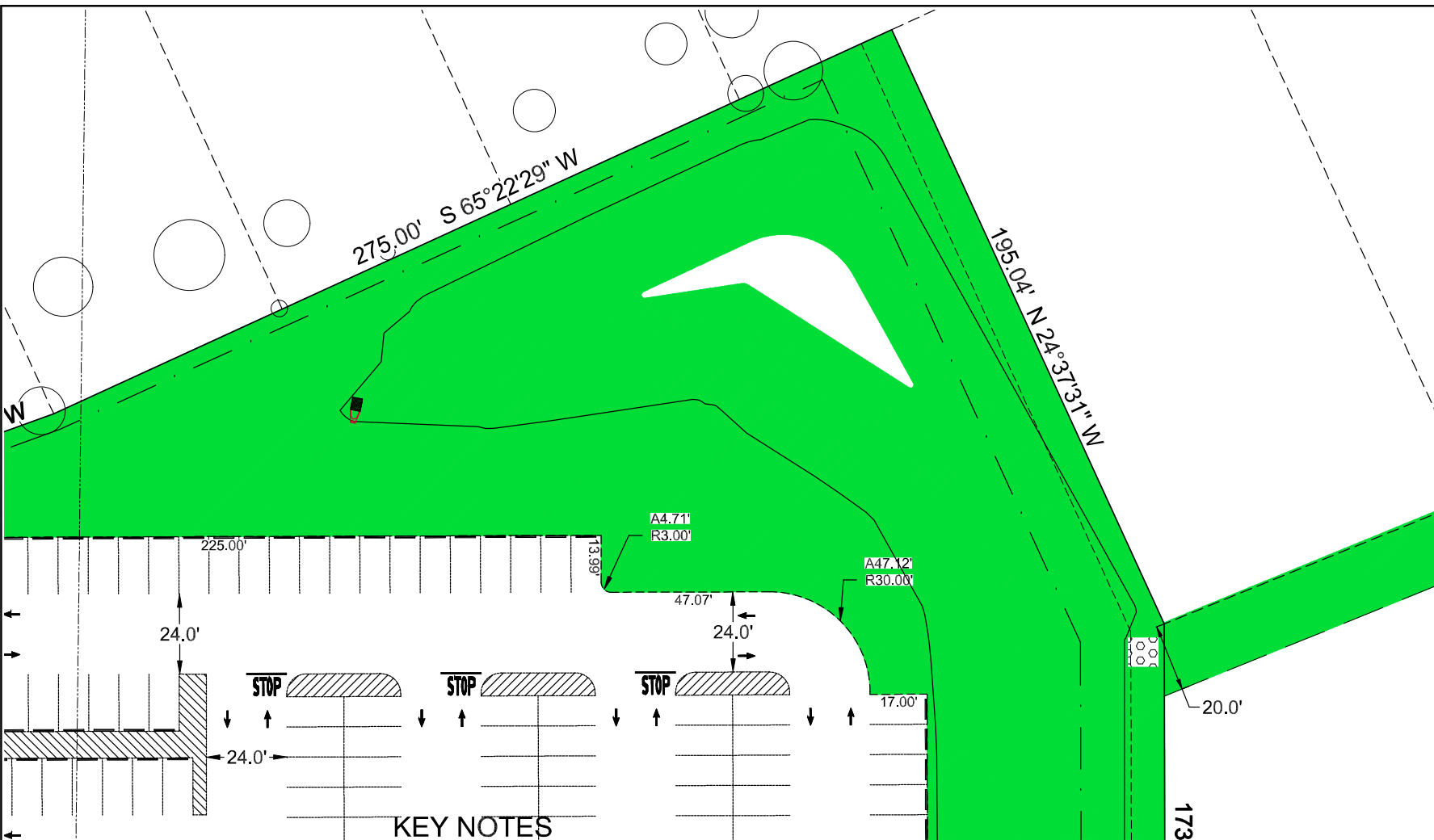
SITE PLAN
2 OF 4

SHEET 9 OF 27 SHEETS

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- (A) INSTALL BITUMINOUS - SEE SECTION
- (B) INSTALL CONCRETE SIDEWALK - SEE SECTION
- (C) INSTALL 358 L.F. MODULAR BLOCK RETAINING WALL. SEE DETAILS
- (D) INSTALL ADA PARKING STALL, SIGN AND LOADING STALL
- (E) INSTALL 8" OF CLASS V AGGREGATE BASE
- (F) TURF ESTABLISHMENT AREA

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CELL: (651) 560-4850

APC MINISTRY CENTER

MAJESTIC STREET SOUTH | CITY OF WABASHA, MINNESOTA

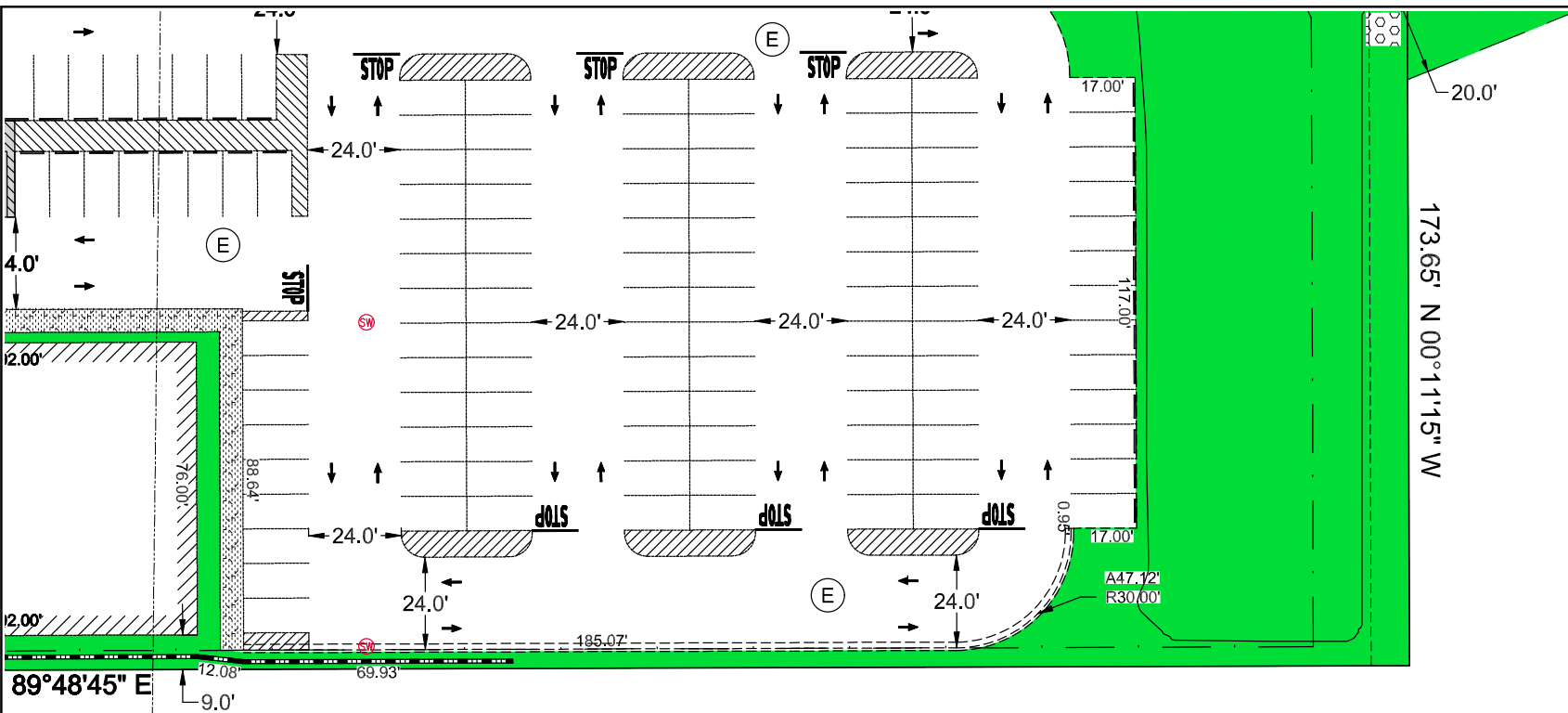
**SITE PLAN
3 OF 4**

SHEET 10 OF 27 SHEETS

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TWIN CITY AREA 651-454-0002
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KEY NOTES

- | | |
|--|---|
| (A) INSTALL BITUMINOUS - SEE SECTION | (D) INSTALL ADA PARKING STALL, SIGN AND LOADING STALL |
| (B) INSTALL CONCRETE SIDEWALK - SEE SECTION | (E) INSTALL 8" OF CLASS V AGGREGATE BASE |
| (C) INSTALL 358 L.F. MODULAR BLOCK RETAINING WALL. SEE DETAILS | (F) TURF ESTABLISHMENT AREA |



**Engineering, Surveying
& Planning**
JOHNSON & SCOFIELD INC.
1203 Main Street Red Wing, MN 55066
ph: 651-386-1558 fax: 651-386-1559

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NOT FOR
CONSTRUCTION**

DESIGNED SPD\SPV
DRAWN SPD
CHECKED SPV

REVISED	BY	DATE

LATEST REVISION: 10-01-2025
Prepared For:
APC MINISTRY CENTER
C/O RANDY FUHRMAN
611 BROADWAY AVENUE, SUITE 77
WABASHA, MINNESOTA 55981
CELL: (651) 560-4860

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**SITE PLAN
4 OF 4**

SHEET 11 OF 27 SHEETS

EXCAVATION QUANTITIES

CUT VOLUME.....5,804 C.Y.
 FILL VOLUME.....5,458 C.Y.
 EXPORT VOLUME.....346 C.Y. OF ORGANIC LEAN CLAY
 STRIPPED TOPSOIL VOLUME.....2,117 C.Y.
 STRIPPED ORGANIC LEAN CLAY VOLUME.....3,530 C.Y.

NOTES

- THESE VOLUMES ARE BULK AND ASSUME A SWELL VALUE OF 1.0 AND A SHRINK FACTOR OF 1.0.
- CUT AND FILL VOLUMES FOR EXCAVATION CALCULATED AFTER TOPSOIL AND CLAY HAVE BEEN STRIPPED.

NOTE

- POND AND TURF AREA SHALL BE OVER EXCAVATED TO MINE MATERIAL SUITABLE FOR FILL IN ALL IMPERVIOUS AREAS.

POND SHALL HAVE A MINIMUM OF A LEVEL 1 LINER TO ELEVATION 697.5

INSTALL EROSION CONTROL BLANKET

ST3
 F&I 48" CONCRETE MANHOLE
 F&I NEENAH FRAME AND LID R-1452-BV
 RIM:702.25
 12" INV:698.76
 12" INV. SOUTH: 698.86
 F&I 84 L.F. 12" PVC @ 0.25% TO ST4

ST1
 F&I 12" F.E.S.
 F&I 3 C.Y. CLASS V RIP RAP
 12" INV:697.50
 F&I 145.7 L.F. 12" RCP @ 0.25% TO ST2

SEE SHEET 16 FOR STORM SEWER NOTES

ORDINARY HIGH WATER
 ELEVATION 697.54
 EMERGENCY OVER FLOW
 ELEVATION 697.50

INSTALL CLASS V RIP RAP
 RIP RAP SHALL BE KEYED INTO THE GROUND 18".

ST2
 F&I 48" CONCRETE MANHOLE
 F&I NEENAH FRAME AND LID R-1452-BV
 RIM:701.86
 MANHOLE SUMP ELEVATION: 695.8
 12" RCP INV:697.86
 12" PVC INV WEST:697.96
 F&I 321.2 L.F. 15" PVC @ 0.25% TO ST3
 12" INV. SOUTH: 697.96
 F&I 321.2 L.F. 12" RCP @ 0.25% TO ST5

ST5
 F&I 48" CONCRETE MANHOLE
 F&I NEENAH FRAME AND LID R-1452-BV
 RIM:701.76
 MANHOLE SUMP ELEVATION: 696.0
 12" RCP INV:698.16
 12" PVC INV WEST:698.26
 F&I 256.1 L.F. 12" PVC @ 0.25% TO ST6

ST4
 F&I CLEAN OUT
 TOP OF CLEANOUT:702.50
 12" INV NORTH: 699.06

ST6
 F&I CLEAN OUT
 TOP OF CLEANOUT:702.50
 12" INV:698.90

ADDITIONAL BMP LIST:

ITEM	DESCRIPTION	UNITS	TOTAL ESTIMATED QUANTITY
4	CLASS V RIP RAP	C.Y.	6
5	CATEGORY 4 EROSION CONTROL BLANKET	S.Y.	1,711
6	TURF ESTABLISHMENT	S.Y.	7,052



NOTE

- ROOF DRAINS AND CONNECTED STORM SEWER SYSTEM IS DESIGNED FOR A TEN YEAR STORM EVENT. ANY STORM EVENT OVER THE TEN YEAR EVENT SHALL RESULT IN THE OVERFLOWING OF THE STORM SYSTEM.

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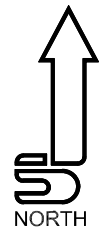
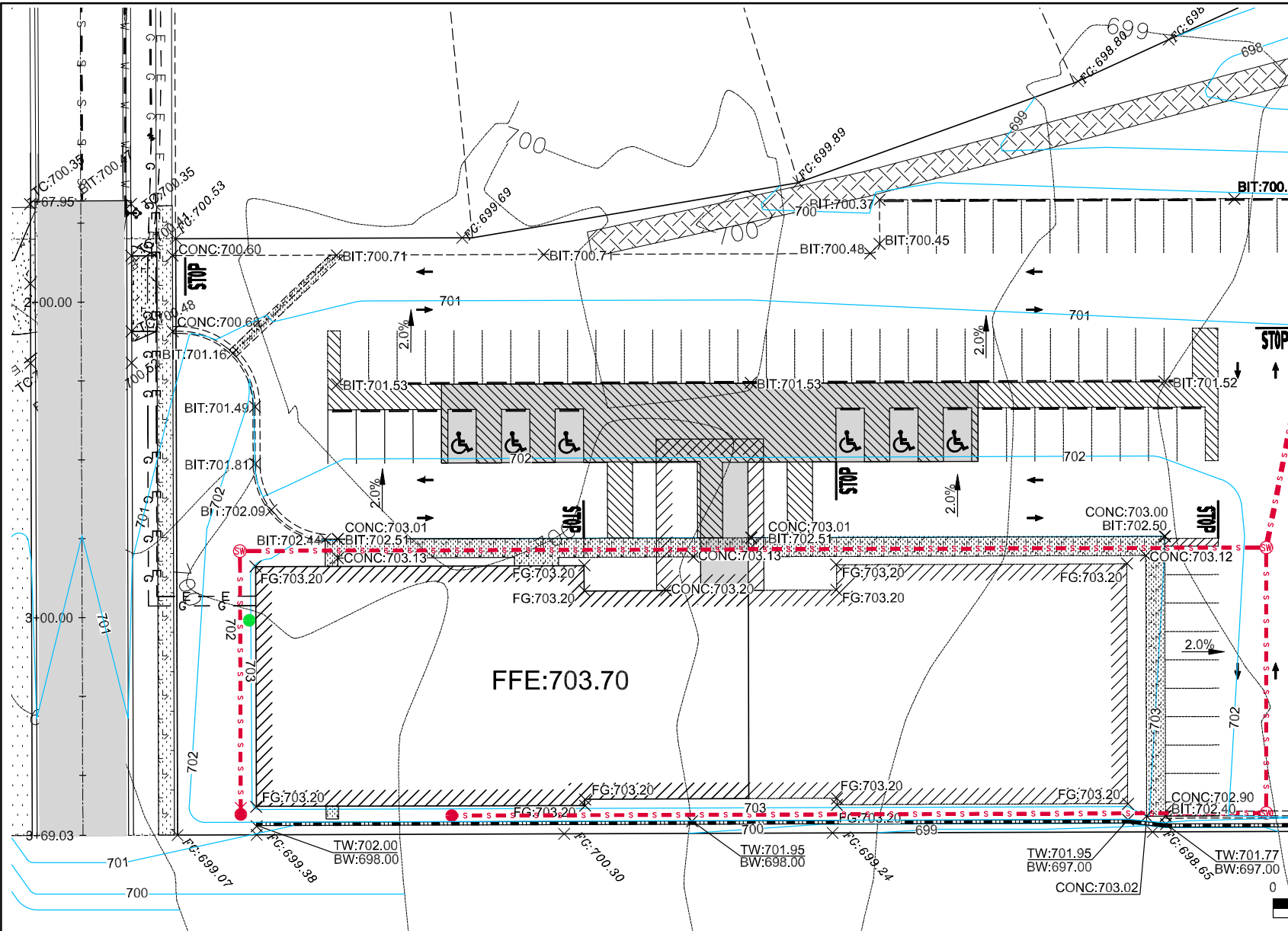
**GRADING PLAN
 1 OF 5**

SHEET 12 OF 27 SHEETS

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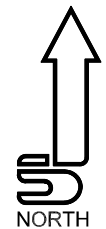
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	CHECKED	SPV				APC MINISTRY CENTER
						C/O RANDY FUHRMAN 611 BROADWAY AVENUE, SUITE 77 WABASHA, MINNESOTA 55981 CELL: (651) 560-4850

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**GRADING PLAN
2 OF 5**
SHEET 13 OF 27 SHEETS

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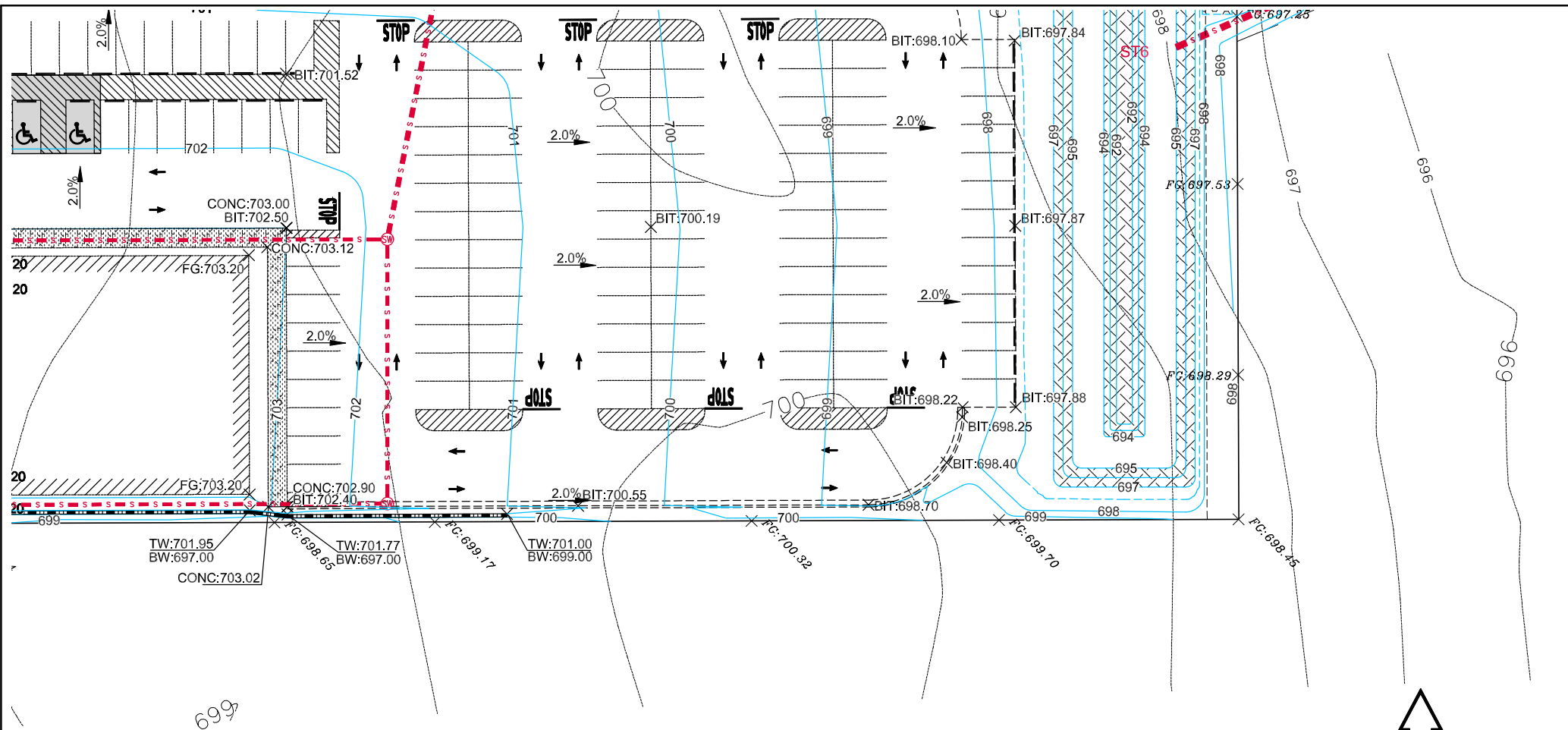
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GRADING PLAN
3 OF 5

SHEET 14 OF 27 SHEETS

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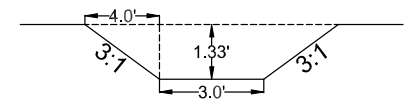
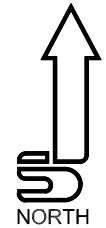
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**GRADING PLAN
4 of 5**

SHEET 15 OF 27 SHEETS

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SWALE CROSS SECTION A-A

ST7
POND OUTLET
F&I TRASH GUARD
18" INV: 695.00
F&I 202.5 L.F. 18" HDPE @ 0.50% TO ST8

ST8
F&I 18" FLARED END SECTION
F&I 3 C.Y. CLASS V RIP RAP
18" INV: 694.00

F&I 202.48' L.F. 18" HDPE @ 0.5%

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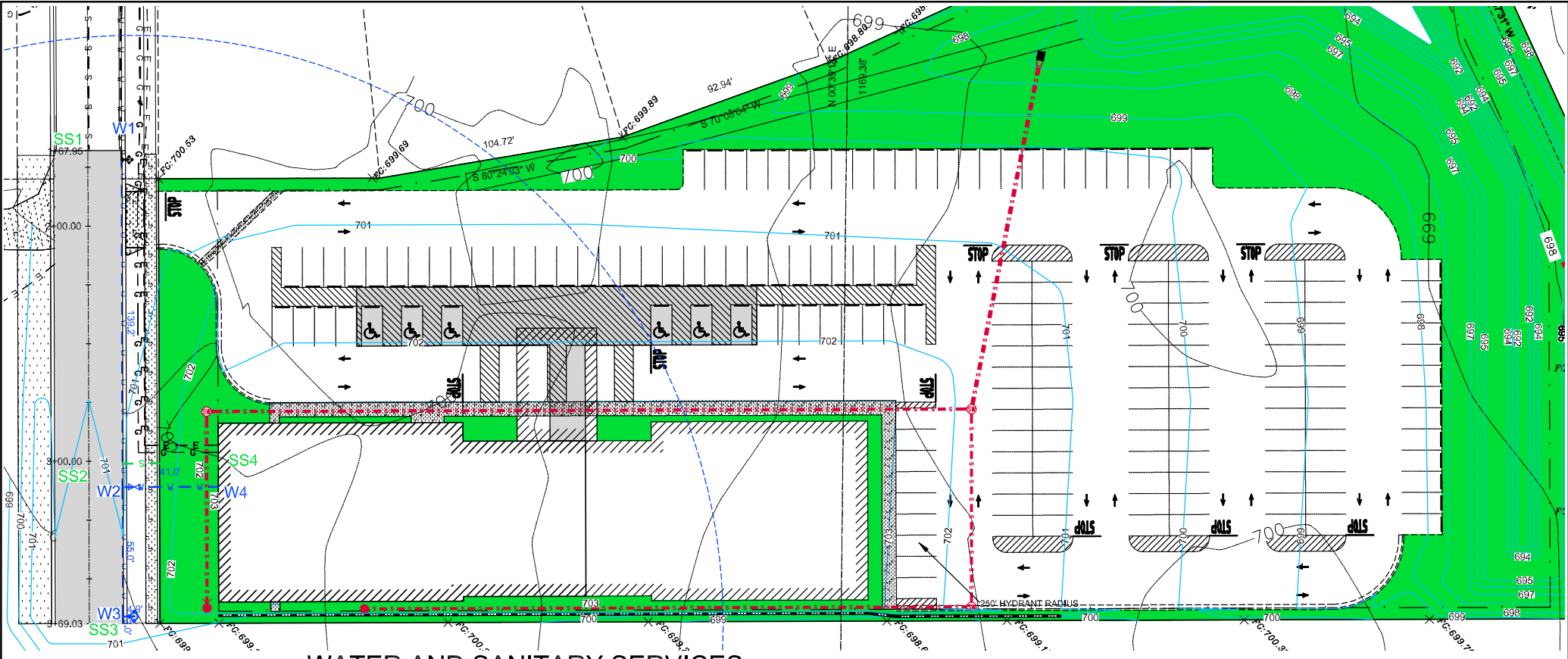
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**GRADING PLAN
5 OF 5**

SHEET 16 OF 27 SHEETS



WATER AND SANITARY SERVICES

WATER AND SANITARY SERVICE DETAILS CAN BE FOUND ON SHEETS 24-26.

W1
SALVAGE TEE AND HYDRANT BRANCH
CONNECT TO EXISTING 6" WATER MAIN
F&I 139.2 L.F. 6" D.I.P. WATER MAIN TO W2

W2
F&I 6" X 6" X 6" D.I.P. TEE
F&I CONCRETE THRUST BLOCK
F&I 55 L.F. 6" D.I.P. WATER MAIN TO W3
F&I 41.0 L.F. 6" PVC C-900 WATER MAIN TO W4

W3
F&I SALVAGED TEE AND HYDRANT BRANCH
F&I CONCRETE THRUST BLOCK
F&I 5 L.F. 6" D.I.P. WATER MAIN
PLUG END OF WATER MAIN

W4
F&I 6" GATE VALVE
F&I 5 L.F. 6" PVC C-900 WATER
MAIN TO BUILDING
CONNECTION

SS1
CONNECT TO EXISTING 8" SANITARY SEWER
TRUNK LINE
F&I 129.1 L.F. 8" PVC SDR-35 SANITARY SEWER @
0.40% TO SS2
INVERT: ±690.14-CONTRACTOR SHALL FIELD
VERIFY PRIOR TO CONNECTION.

SS-2
F&I 48" PRE CAST SANITARY MANHOLE
F&I NEENAH FRAME AND LID R-1423-BN (OR EQUAL)
RIM: 701.13
8" INVERT IN: 690.75
8" INVERT IN: 690.75
8" INVERT OUT: 690.65
F&I 65.5 L.F. 8" PVC SDR-35 SANITARY SEWER @ 0.40% TO SS3
F&I 52.7 L.F. 6" PVC SDR-35 SANITARY SEWER
SERVICE @ 2.0% TO SS4

SS-3
PLUG END OF 8" SANITARY SEWER MAIN
INVERT: 691.01

SS-4
F&I 6" CLEANOUT.
CONNECT 6" SANITARY SEWER SERVICE TO BUILDING
6" INVERT: 691.80

MAINTAIN 7.5' OVER COVER OVER ALL SANITARY SEWER AND WATER LINES.
ALL SERVICE LINES WITH LESS THAN 7.5' OF COVER MUST HAVE 4" OF RIGID INSULATION.



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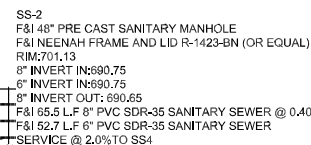
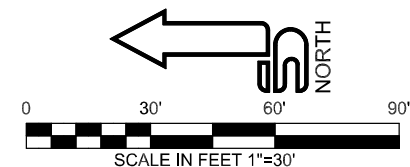
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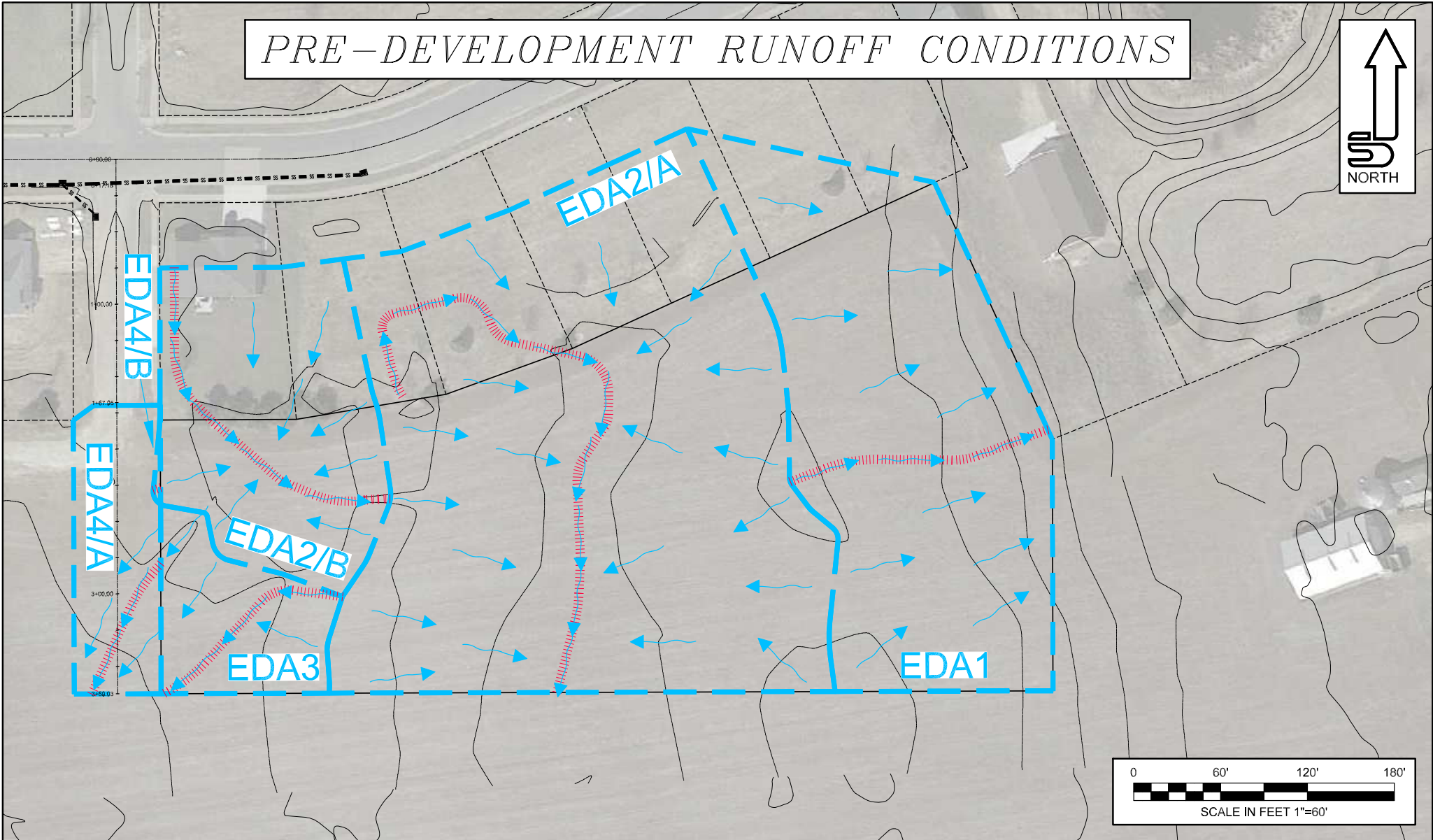
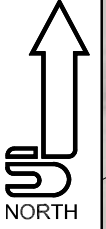
UTILITY PLAN

SHEET 17 OF 27 SHEETS



PRE-DEVELOPMENT DRAINAGE AREAS TOTAL EXISTING DRAINAGE AREA = 4.912 ACRES EXISTING IMPERVIOUS AREA = 0.464 ACRES (9.447%) <table><tr><td> EDA1 1.353 ACRES 0.064 ACRES IMPERVIOUS LFP = 184 FT WAVG CN = 83 TC = 7.0 MIN </td><td> EDA2/A 2.347 ACRES 0.242 ACRES IMPERVIOUS LFP = 458 FT WAVG CN = 84 TC = 12.6 MIN </td><td> EDA2/B 0.678 ACRES 0.126 ACRES IMPERVIOUS LFP = 255 FT WAVG CN = 85 TC = 7.9 MIN </td><td> EDA3 0.261 ACRES 0.000 ACRES IMPERVIOUS LFP = 152 FT WAVG CN = 83 TC = 7.0 MIN </td></tr><tr><td></td><td> EDA4/A 0.269 ACRES 0.031 ACRES IMPERVIOUS LFP = 102 FT WAVG CN = 84 TC = 7.0 MIN </td><td> EDA4/B 0.004 ACRES 0.000 ACRES IMPERVIOUS LFP = 5 FT WAVG CN = 83 TC = 0.4 MIN </td><td></td></tr></table>				EDA1 1.353 ACRES 0.064 ACRES IMPERVIOUS LFP = 184 FT WAVG CN = 83 TC = 7.0 MIN	EDA2/A 2.347 ACRES 0.242 ACRES IMPERVIOUS LFP = 458 FT WAVG CN = 84 TC = 12.6 MIN	EDA2/B 0.678 ACRES 0.126 ACRES IMPERVIOUS LFP = 255 FT WAVG CN = 85 TC = 7.9 MIN	EDA3 0.261 ACRES 0.000 ACRES IMPERVIOUS 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0.109 ACRES 0.000 ACRES IMPERVIOUS LFP = 41 FT WAVG CN = 80 TC = 7.0 MIN </td></tr><tr><td> PDA4 0.220 ACRES 0.008 ACRES IMPERVIOUS LFP = 159 FT WAVG CN = 83 TC = 7.0 MIN </td><td> PDA5/A 0.052 ACRES 0.048 ACRES IMPERVIOUS LFP = 62 FT WAVG CN = 96 TC = 7.0 MIN </td><td> PDA5/B 0.007 ACRES 0.005 ACRES IMPERVIOUS LFP = 18 FT WAVG CN = 93 TC = 0.3 MIN </td><td></td></tr></table>				PDA1/A 0.041 ACRES 0.000 ACRES IMPERVIOUS LFP = 10 FT WAVG CN = 80 TC = 7.0 MIN	PDA1/B 0.067 ACRES 0.000 ACRES IMPERVIOUS LFP = 226 FT WAVG CN = 80 TC = 7.0 MIN	PDA1/C 1.455 ACRES 1.068 ACRES IMPERVIOUS LFP = 281 FT WAVG CN = 93 TC = 7.0 MIN	PDA1/D 0.212 ACRES 0.081 ACRES IMPERVIOUS LFP = 197 FT WAVG CN = 87 TC = 7.0 MIN	PDA1/E 2.290 ACRES 1.252 ACRES IMPERVIOUS LFP = 478 FT WAVG CN = 90 TC = 7.0 MIN	PDA1/F 0.501 ACRES 0.501 ACRES IMPERVIOUS LFP = 177 FT WAVG CN = 98 TC = 2.7 MIN	PDA2 0.055 ACRES 0.000 ACRES IMPERVIOUS LFP = 11 FT WAVG CN = 80 TC = 7.0 MIN	PDA3 0.109 ACRES 0.000 ACRES IMPERVIOUS LFP = 41 FT 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AC-FT</th></tr><tr><td>1</td><td>0.161</td><td>0.302</td><td>0.524</td><td>0.641</td></tr><tr><td>2</td><td>0.374</td><td>0.693</td><td>1.193</td><td>1.457</td></tr><tr><td>3</td><td>0.030</td><td>0.057</td><td>0.100</td><td>0.122</td></tr><tr><td>4</td><td>0.034</td><td>0.062</td><td>0.106</td><td>0.130</td></tr><tr><td>TOTAL EXISTING RUNOFF*</td><td>0.599</td><td>1.114</td><td>1.923</td><td>2.350</td></tr></table> POST-DEVELOPMENT RUNOFF VOLUME [PROPOSED] <table><tr><th>DA</th><th>2-YEAR AC-FT</th><th>10-YEAR AC-FT</th><th>50-YEAR AC-FT</th><th>100-YEAR AC-FT</th></tr><tr><td>1</td><td>0.004</td><td>0.008</td><td>0.015</td><td>0.018</td></tr><tr><td>2</td><td>0.005</td><td>0.011</td><td>0.020</td><td>0.024</td></tr><tr><td>3</td><td>0.011</td><td>0.022</td><td>0.039</td><td>0.048</td></tr><tr><td>4</td><td>0.026</td><td>0.049</td><td>0.085</td><td>0.104</td></tr><tr><td>5</td><td>0.013</td><td>0.020</td><td>0.030</td><td>0.036</td></tr><tr><td>TERTIARY CELL 3</td><td>0.806</td><td>1.321</td><td>2.098</td><td>2.503</td></tr><tr><td>TOTAL PROPOSED RUNOFF*</td><td>0.865</td><td>1.431</td><td>2.287</td><td>2.733</td></tr></table> DEVELOPMENT RUNOFF VOLUME SUMMARY <table><tr><th></th><th>2-YEAR AC-FT</th><th>10-YEAR AC-FT</th><th>50-YEAR AC-FT</th><th>100-YEAR AC-FT</th></tr><tr><td>TOTAL EXISTING RUNOFF*</td><td>0.599</td><td>1.114</td><td>1.923</td><td>2.350</td></tr><tr><td>TOTAL PROPOSED RUNOFF*</td><td>0.865</td><td>1.431</td><td>2.287</td><td>2.733</td></tr><tr><td>TOTAL CHANGE</td><td>0.266 (+)</td><td>0.317 (+)</td><td>0.364 (+)</td><td>0.383 (+)</td></tr></table> PRE-DEVELOPMENT RUNOFF [EXISTING] <table><tr><th>DA</th><th>Q2 CFS</th><th>Q10 CFS</th><th>Q50 CFS</th><th>Q100 CFS</th></tr><tr><td>1</td><td>3.44</td><td>6.36</td><td>10.76</td><td>13.02</td></tr><tr><td>2</td><td>6.14</td><td>11.26</td><td>18.99</td><td>22.97</td></tr><tr><td>3</td><td>0.65</td><td>1.21</td><td>2.06</td><td>2.49</td></tr><tr><td>4</td><td>0.71</td><td>1.29</td><td>2.16</td><td>2.61</td></tr><tr><td>TOTAL EXISTING RUNOFF*</td><td>10.94</td><td>20.12</td><td>33.97</td><td>41.09</td></tr></table> POST-DEVELOPMENT RUNOFF [PROPOSED] <table><tr><th>DA</th><th>Q2 CFS</th><th>Q10 CFS</th><th>Q50 CFS</th><th>Q100 CFS</th></tr><tr><td>1</td><td>0.09</td><td>0.17</td><td>0.30</td><td>0.37</td></tr><tr><td>2</td><td>0.12</td><td>0.23</td><td>0.41</td><td>0.50</td></tr><tr><td>3</td><td>0.23</td><td>0.46</td><td>0.81</td><td>0.99</td></tr><tr><td>4</td><td>0.56</td><td>1.03</td><td>1.74</td><td>2.11</td></tr><tr><td>5</td><td>0.24</td><td>0.37</td><td>0.56</td><td>0.66</td></tr><tr><td>TERTIARY CELL 3</td><td>3.96</td><td>6.98</td><td>8.91</td><td>9.90</td></tr><tr><td>TOTAL PROPOSED 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RUNOFF*	0.599	1.114	1.923	2.350	DA	2-YEAR AC-FT	10-YEAR AC-FT	50-YEAR AC-FT	100-YEAR AC-FT	1	0.004	0.008	0.015	0.018	2	0.005	0.011	0.020	0.024	3	0.011	0.022	0.039	0.048	4	0.026	0.049	0.085	0.104	5	0.013	0.020	0.030	0.036	TERTIARY CELL 3	0.806	1.321	2.098	2.503	TOTAL PROPOSED RUNOFF*	0.865	1.431	2.287	2.733		2-YEAR AC-FT	10-YEAR AC-FT	50-YEAR AC-FT	100-YEAR AC-FT	TOTAL EXISTING RUNOFF*	0.599	1.114	1.923	2.350	TOTAL PROPOSED RUNOFF*	0.865	1.431	2.287	2.733	TOTAL CHANGE	0.266 (+)	0.317 (+)	0.364 (+)	0.383 (+)	DA	Q2 CFS	Q10 CFS	Q50 CFS	Q100 CFS	1	3.44	6.36	10.76	13.02	2	6.14	11.26	18.99	22.97	3	0.65	1.21	2.06	2.49	4	0.71	1.29	2.16	2.61	TOTAL EXISTING RUNOFF*	10.94	20.12	33.97	41.09	DA	Q2 CFS	Q10 CFS	Q50 CFS	Q100 CFS	1	0.09	0.17	0.30	0.37	2	0.12	0.23	0.41	0.50	3	0.23	0.46	0.81	0.99	4	0.56	1.03	1.74	2.11	5	0.24	0.37	0.56	0.66	TERTIARY CELL 3	3.96	6.98	8.91	9.90	TOTAL PROPOSED RUNOFF*	5.20	9.24	12.73	14.53		Q2 CFS	Q10 CFS	Q50 CFS	Q100 CFS	TOTAL EXISTING RUNOFF*	10.94	20.12	33.97	41.09	TOTAL PROPOSED RUNOFF*	5.20	9.24	12.73	14.53	TOTAL CHANGE	5.74 (-)	10.88 (-)	21.24 (-)	26.56 (-)	1" LIVE STORAGE = 695.60'	2-YEAR	10-YEAR	50-YEAR	100-YEAR	PROPOSED ELEVATION	696.03'	696.51'	697.22'	697.54'
EDA1 1.353 ACRES 0.064 ACRES IMPERVIOUS LFP = 184 FT WAVG CN = 83 TC = 7.0 MIN	EDA2/A 2.347 ACRES 0.242 ACRES IMPERVIOUS LFP = 458 FT WAVG CN = 84 TC = 12.6 MIN	EDA2/B 0.678 ACRES 0.126 ACRES IMPERVIOUS LFP = 255 FT WAVG CN = 85 TC = 7.9 MIN	EDA3 0.261 ACRES 0.000 ACRES IMPERVIOUS LFP = 152 FT WAVG CN = 83 TC = 7.0 MIN																																																																																																																																																																																																																											
	EDA4/A 0.269 ACRES 0.031 ACRES IMPERVIOUS LFP = 102 FT WAVG CN = 84 TC = 7.0 MIN	EDA4/B 0.004 ACRES 0.000 ACRES IMPERVIOUS LFP = 5 FT WAVG CN = 83 TC = 0.4 MIN																																																																																																																																																																																																																												
PDA1/A 0.041 ACRES 0.000 ACRES IMPERVIOUS LFP = 10 FT WAVG CN = 80 TC = 7.0 MIN	PDA1/B 0.067 ACRES 0.000 ACRES IMPERVIOUS LFP = 226 FT WAVG CN = 80 TC = 7.0 MIN	PDA1/C 1.455 ACRES 1.068 ACRES IMPERVIOUS LFP = 281 FT WAVG CN = 93 TC = 7.0 MIN	PDA1/D 0.212 ACRES 0.081 ACRES IMPERVIOUS LFP = 197 FT WAVG CN = 87 TC = 7.0 MIN																																																																																																																																																																																																																											
PDA1/E 2.290 ACRES 1.252 ACRES IMPERVIOUS LFP = 478 FT WAVG CN = 90 TC = 7.0 MIN	PDA1/F 0.501 ACRES 0.501 ACRES IMPERVIOUS LFP = 177 FT WAVG CN = 98 TC = 2.7 MIN	PDA2 0.055 ACRES 0.000 ACRES IMPERVIOUS LFP = 11 FT WAVG CN = 80 TC = 7.0 MIN	PDA3 0.109 ACRES 0.000 ACRES IMPERVIOUS LFP = 41 FT WAVG CN = 80 TC = 7.0 MIN																																																																																																																																																																																																																											
PDA4 0.220 ACRES 0.008 ACRES IMPERVIOUS LFP = 159 FT WAVG CN = 83 TC = 7.0 MIN	PDA5/A 0.052 ACRES 0.048 ACRES IMPERVIOUS LFP = 62 FT WAVG CN = 96 TC = 7.0 MIN	PDA5/B 0.007 ACRES 0.005 ACRES IMPERVIOUS LFP = 18 FT WAVG CN = 93 TC = 0.3 MIN																																																																																																																																																																																																																												
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Engineering, Surveying & Planning JOHNSON & SCOFIELD INC. 1203 Main Street Red Wing, MN 55066 ph: 651.386.1558 fax: 651.386.1559		PRELIMINARY NOT FOR CONSTRUCTION DESIGNED SPD\SPV DRAWN SPD CHECKED SPV	REVISED BY DATE LATEST REVISION:10-01-2025 Prepared For: APC MINISTRY CENTER C/O RANDY FUHRMAN 611 BROADWAY AVENUE, SUITE 77 WABASHA, MINNESOTA 55981 CELL: (651) 560-4860	APC MINISTRY CENTER MAJESTIC STREET SOUTH CITY OF WABASHA, MINNESOTA		HYDROLOGIC ANALYSIS (1/3) SHEET 19 OF 27 SHEETS																																																																																																																																																																																																																								

PRE-DEVELOPMENT RUNOFF CONDITIONS



**Engineering, Surveying
& Planning**
JOHNSON & SCOFIELD INC.
1203 Main Street Red Wing, MN 55066
ph: 651-388-1558 fax: 651-388-1559

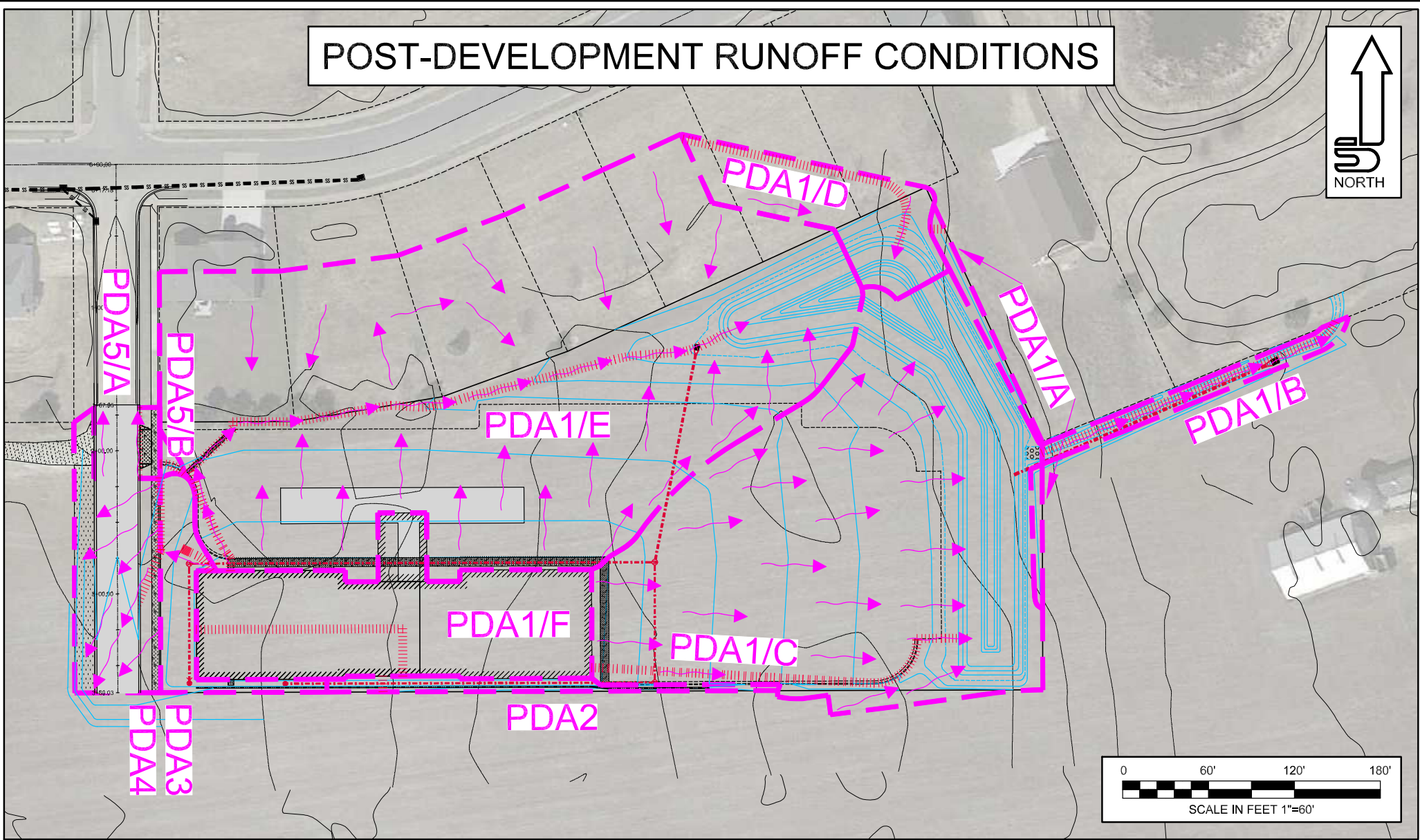
**PRELIMINARY
NOT FOR
CONSTRUCTION**

DESIGNED	SPD\SPV	REVISD	BY	DATE	LATEST REVISION: 10-01-2025
DRAWN	SPD				Prepared For:
CHECKED	SPV				APC MINISTRY CENTER
					C/O RANDY FUHRMAN
					611 BROADWAY AVENUE, SUITE 77
					WABASHA, MINNESOTA 55981
					CELL: (651) 560-4850

APC MINISTRY CENTER
MAJESTIC STREET SOUTH | CITY OF WABASHA, MINNESOTA

**HYDROLOGIC
ANALYSIS (2/3)**
SHEET 20 OF 27 SHEETS

POST-DEVELOPMENT RUNOFF CONDITIONS



**Engineering, Surveying
& Planning**
JOHNSON & SCOFIELD INC.
1203 Main Street, Red Wing, MN 55066
ph: 651-388-1558 fax: 651-388-1559

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NOT FOR
CONSTRUCTION**

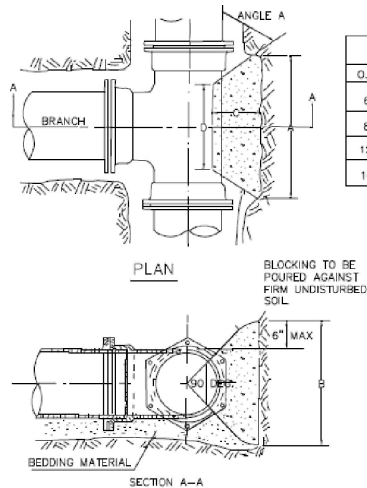
DESIGNED SPD\SPV
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CHECKED SPV

REVISED	BY	DATE

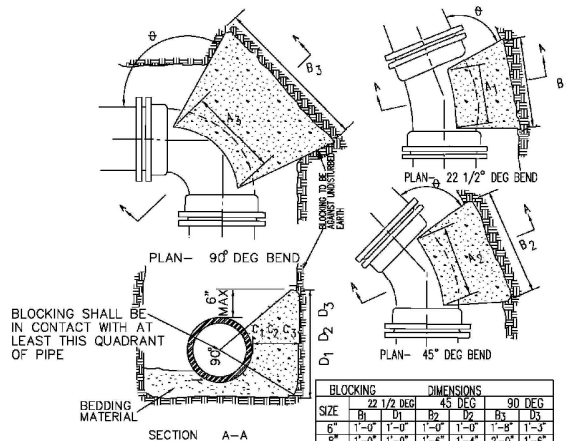
LATEST REVISION: 10-01-2025
Prepared For:
APC MINISTRY CENTER
C/O RANDY FUHRMAN
611 BROADWAY AVENUE, SUITE 77
WABASHA, MINNESOTA 55981
CELL: (651) 560-4850

APC MINISTRY CENTER
MAJESTIC STREET SOUTH | CITY OF WABASHA, MINNESOTA

**HYDROLOGIC
ANALYSIS (3/3)**
SHEET 21 OF 27 SHEETS

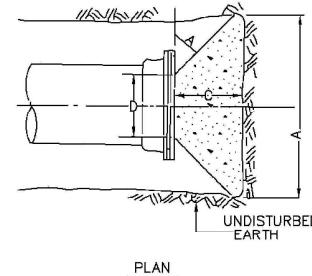


BLOCKING DIMENSIONS					
O.D.	A	B	C	D	
6"	1'-3"	1'-6"			
8"	1'-6"	2'-0"			
12"	2'-3"	3'-6"	SEE NOTE 1.	SEE NOTE 2.	
16"	3'-2"	4'-0"			

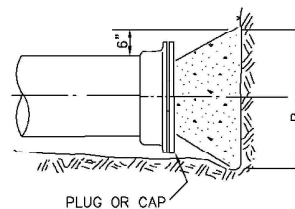


BLOCKING DIMENSIONS									
SIZE	22 1/2 DEG			45 DEG			90 DEG		
	D1	D2	D3	D1	D2	D3	D1	D2	D3
6"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-3"	1'-3"	1'-3"
8"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	2'-0"	2'-0"	2'-0"
12"	1'-6"	1'-4"	2'-0"	2'-0"	2'-0"	2'-0"	3'-0"	3'-0"	3'-0"
16"	2'-0"	1'-8"	3'-0"	3'-0"	2'-8"	4'-0"	3'-10"	3'-10"	3'-10"

- NOTES:
- DIMENSIONS IN TABLE ARE BASED ON A WATER PRESSURE OF 150 PSI AND AN EARTH RESISTANCE OF TWO TONS PER SQ. FT.
 - DIMENSION C1, C2, C3, SHOULD BE LARGE ENOUGH TO MAKE ANGLE C EQUAL TO OR LARGER THAN 45 DEG.
 - DIMENSION A1, A2, A3 SHOULD BE AS LARGE AS POSSIBLE WITHOUT INTERFERING WITH MECHANICAL JOINT BOLTS.
 - SHAPE OF BACK OF CONCRETE BLOCKING MAY VARY AS LONG AS POUR IS AGAINST FIRM UNDISTURBED EARTH.
 - 5 BAG MIX CONCRETE TO BE USED FOR BLOCKING.
 - FOR LOSSE SANDY SOILS INCREASE ALL DIMENSIONS TO 6 INCHES.
 - PLACE 6 MIL POLYETHYLENE FILM AROUND ALL BOLTS, NUTS, AND JOINTS.
- NOTE: REACTION BACKING USING CONCRETE, WOOD, RETAINER GLANDS, ROD TIES, ETC SHALL BE INCLUDED AS A PART OF INSTALLING THE WATERMAIN. NO SEPARATE COMPENSATION SHALL BE MADE.



- ALL BLOCKING DIMENSIONS ARE BASED ON EARTH RESISTANCE OF TWO TONS PER SQ. FT. AND A WATER PRESSURE OF 150 PSI
- ALL CONCRETE BLOCKING SHALL BE 5 BAG MIX CONCRETE
- DIMENSION "C" SHOULD BE LARGE ENOUGH TO MAKE ANGLE "A" LARGER THAN 45 DEG
- DIMENSION "D" EQUALS APPROX INSIDE DIA LESS TWO INCHES. PREVENT CONCRETE FROM COVERING THE MECHANICAL JOINT BOLTS
- PLACE 6MIL POLYETHYLENE FILM AROUND ALL BOLTS, NUTS, AND JOINTS
- REACTION BACKING USING CONCRETE, RETAINER GLANDS, ROD TIES, ETC SHALL BE INCLUDED AS A PART OF THE WATERMAIN, NO SEPARATE COMPENSATION SHALL BE MADE.



BLOCKING DIMENSIONS				
SIZE	A	B	C	D
4"	14"	12"	14"	12"
6"	20"	12"	20"	12"
8"	26"	16"	26"	12"
10"	30"	20"	30"	12"
12"	30"	24"	30"	12"
16"	40"	32"	40"	16"

ELEV-12" AND 16" PIPE

NOT TO SCALE

THRUST BLOCKING FOR WATER MAIN