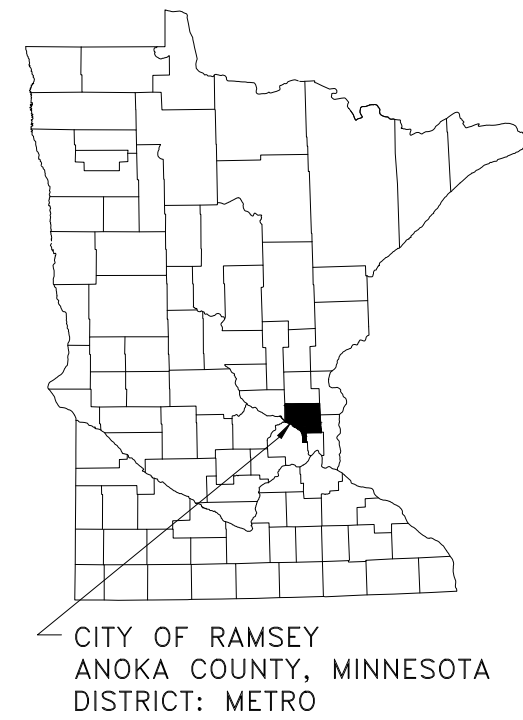
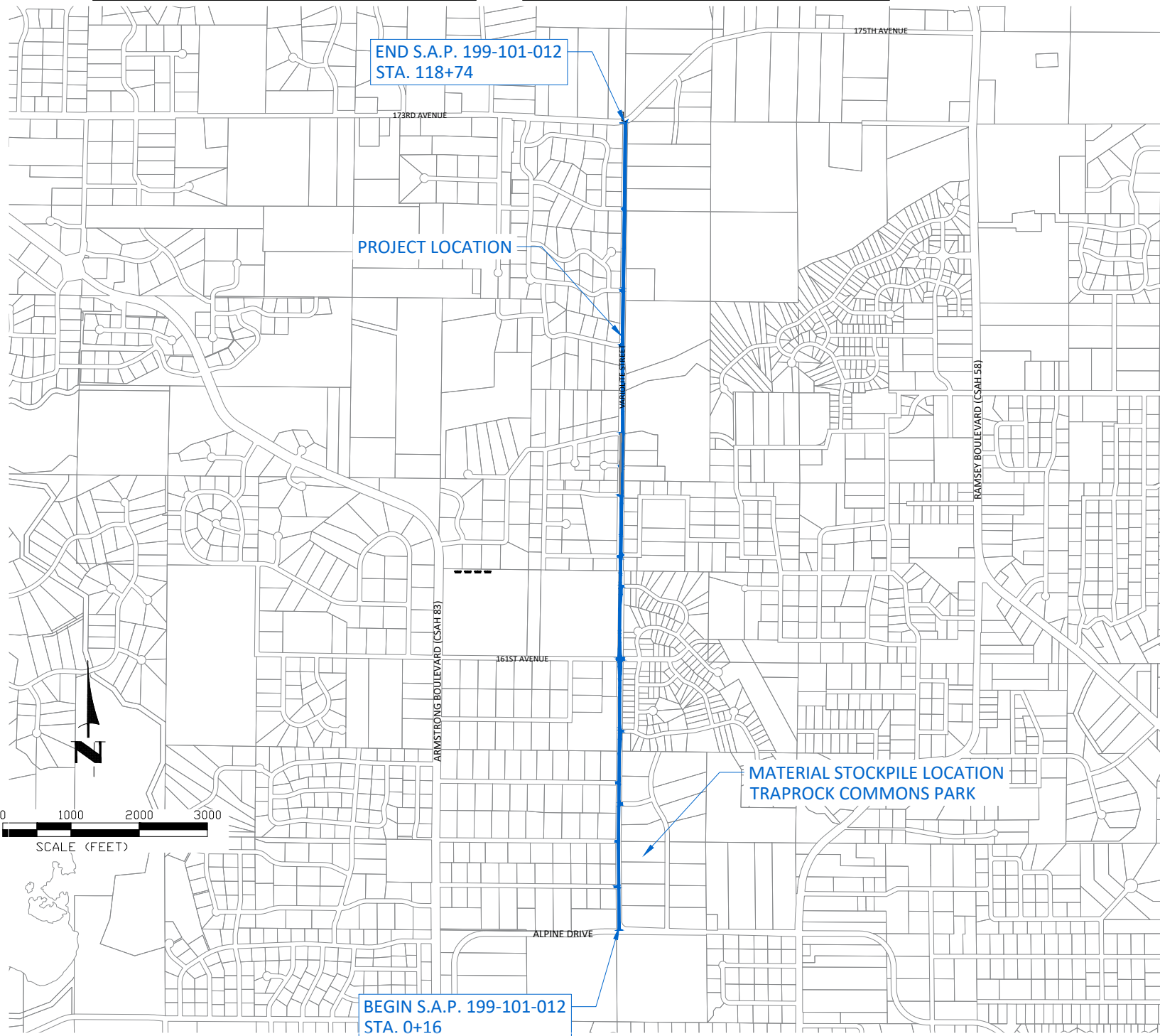


# CITY OF RAMSEY

## STREET CONSTRUCTION PLANS FOR BITUMINOUS RECLAMATION AND PAVING.

### S.A.P. 199-101-012

S.A.P. LOCATED ON VARIOLITE STREET BETWEEN ALPINE AND 173RD AVENUE  
 FROM NW 1/4 OF THE NW 1/4 OF S21, T32, R25 TO NW 1/4 OF THE NW 1/4 OF S9, T32, R25



THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL 1-800-252-1166 OR 651-454-0002



### GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

#### SHEET INDEX

THIS PLAN CONTAINS 93 SHEETS

SHEET NO.	DESCRIPTION
01	TITLE SHEET
02	STATEMENT OF ESTIMATED QUANTITIES
03-04	TABULATIONS
05	ALIGNMENT LAYOUT
06	SHEET INDEX
07	TYPICAL SECTION
08-09	CITY DETAILS
10-15	MINDOT PEDESTRIAN RAMP DETAILS
16-17	SWPPP
18-25	EROSION CONTROL
26-29	EXISTING PRIVATE UTILITIES
30-37	EXISTING CONDITIONS & REMOVALS
38-45	STREET & STORM
46-53	SANITARY SEWER & WATERMAIN
54-61	RESTORATION
62-65	STRIPING PLAN
66-93	CROSS SECTIONS

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

JOE FERIANCEK, P.E. \_\_\_\_\_ DATE \_\_\_\_\_  
 LIC. NO. \_\_\_\_\_

DISTRICT STATE AID ENGINEER: REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY  
 DATE \_\_\_\_\_

STATE AID ENGINEER: APPROVED FOR STATE AID FUNDING  
 DATE \_\_\_\_\_

NO.	PROJECT	STA. TO STA.	GROSS LENGTH	BRIDGE LENGTH	NET LENGTH	NET LENGTH (MILES)	ADT (2020)	ADT (2040)	DESIGN ESAL	R VALUE	TON DESIGN	DESIGN SPEED	NUMBER OF LANES	WIDTH OF LANES	NUMBER OF PARKING LANES	WIDTH OF LANES	FUNCTIONAL CLASSIFICATION
①	SAP VARIOLITE STREET	0+16 TO 118+74	11858 FT	0 FT	11858 FT	2.25 MI	1,660	1,860	565,000	36	10	50	2	11'-12'	2	6' - 8'	COLLECTOR

CITY OF RAMSEY  
 7550 SUNWOOD DRIVE  
 RAMSEY, MN 55303  
 (763) 427-1410 FAX (763) 433-9898

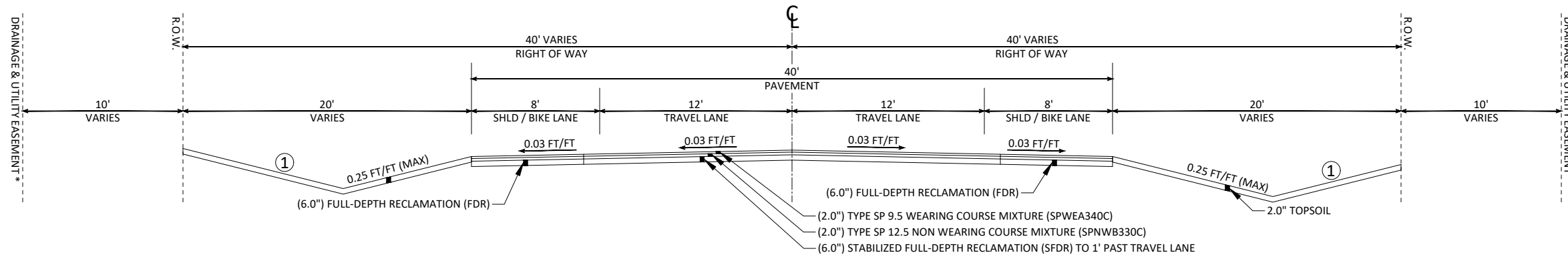
STOPPING SIGHT DISTANCE BASED ON:  
 3.5 FT - HEIGHT OF EYE  
 2.0 FT - HEIGHT OF OBJECT

DATUM:  
 VERTICAL: NAVD 88  
 HORIZONTAL: ANOKA COUNTY COORDINATES (1996 ADJUSTMENT)

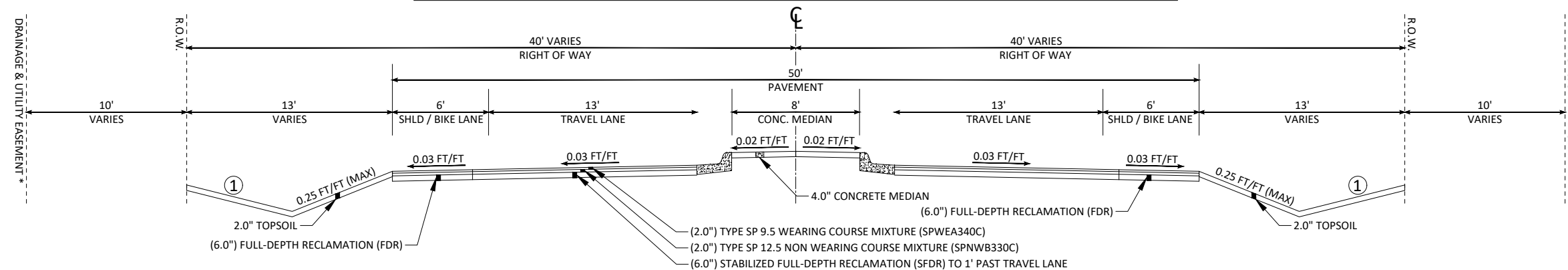
SAP 199-101-012

DATE	REVISION

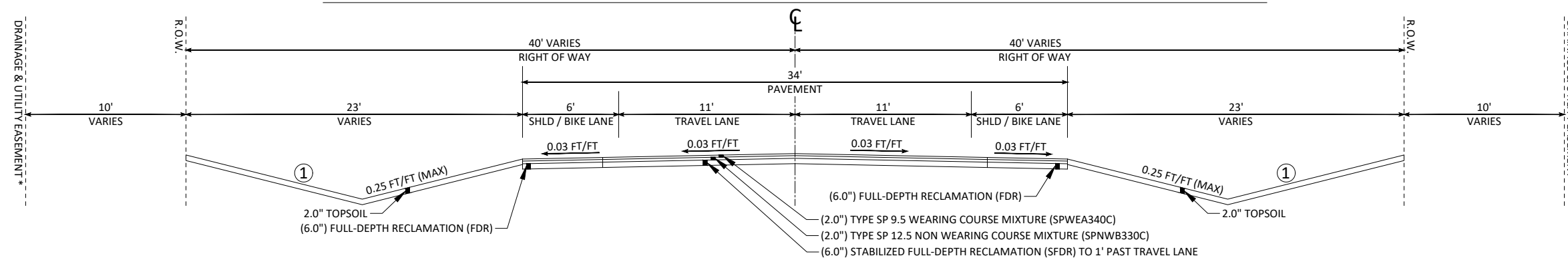
VARIOLITE STREET TYPICAL SECTION FULL WIDTH: STA. 54+60 TO 87+00; STA. 90+00 TO 118+74



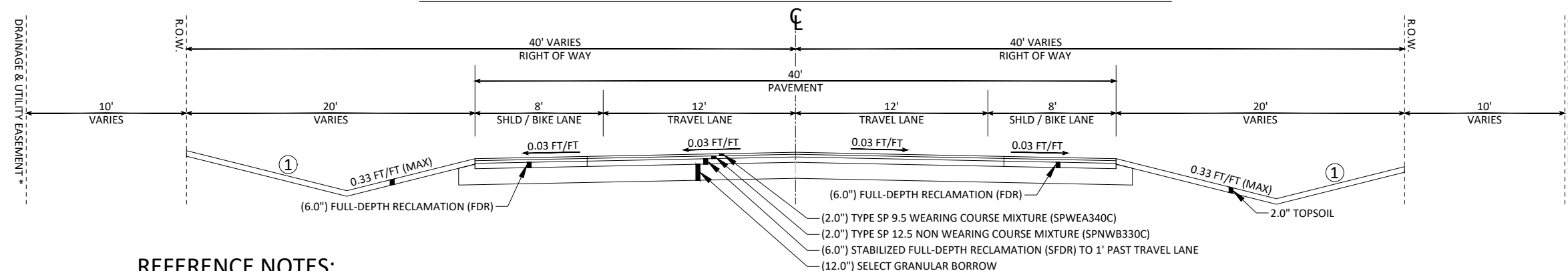
VARIOLITE STREET TYPICAL SECTION CONCRETE MEDIAN: STA. 40+17 TO 40+44



VARIOLITE STREET TYPICAL SECTION NARROW WIDTH: STA. 0+16 TO 40+17; STA. 40+00 TO 54+60



VARIOLITE STREET TYPICAL SECTION SOIL CORRECTIONS: STA. 87+00 TO 90+00



REFERENCE NOTES:

① GRADE TO MATCH EXISTING GROUND. ESTABLISH TURF USING A MINIMUM OF 2" TOPSOIL AND HYDROSEED WITH MNDOT SEED MIXTURE 25-151.

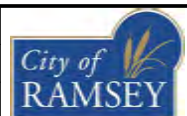
\* SEVERAL STRETCHES OF VARIOLITE STREET HAVE UN-PLATTED LOTS ADJACENT TO THE ROADWAY, WHICH DO NOT INCLUDE DRAINAGE & UTILITY EASEMENTS.

DATE	REVISION

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JOE FERIANCEK  
Date XX/XX/XX Lic. No. 57095

DESIGNED BY: JJF  
DRAWN BY: JJF  
CHECKED BY: BRW

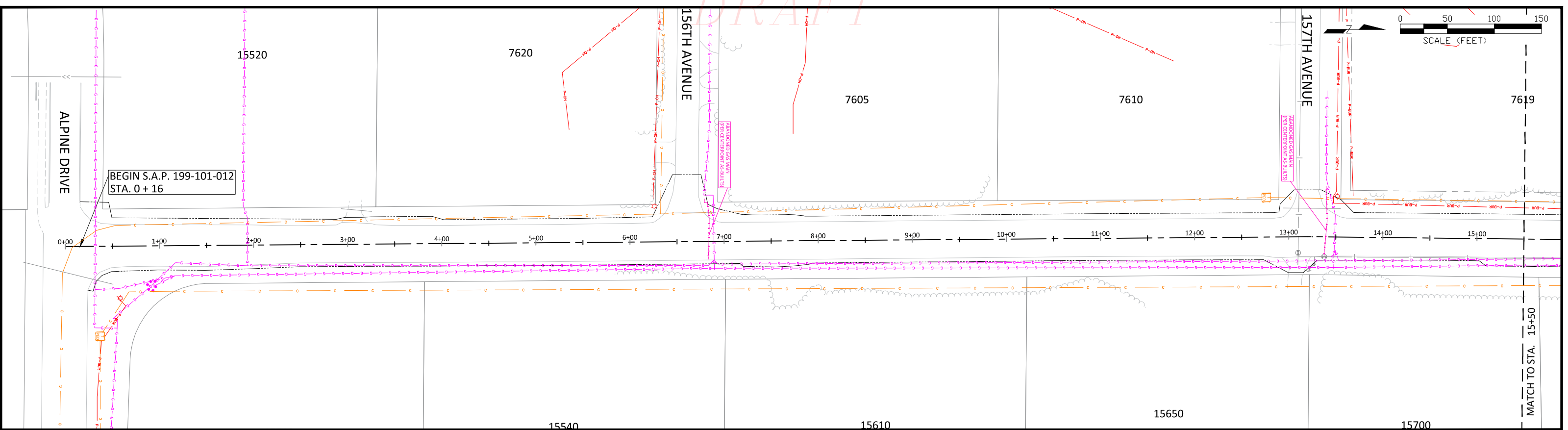
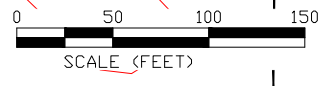


CITY OF RAMSEY  
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(763) 427-1410 FAX (763) 433-9898

TYPICAL SECTIONS  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT

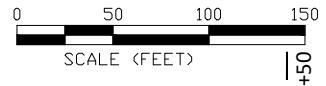
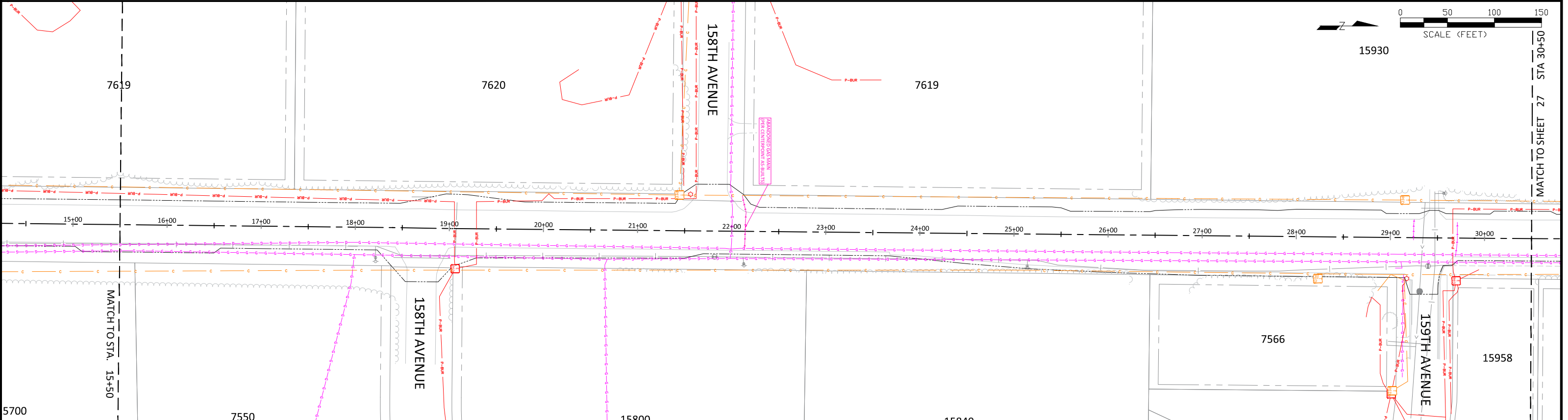


**LEGEND**

--- CONSTRUCTION LIMIT	--->> STORM SEWER	○ STORM MANHOLE	~ TREE LINE	— P - BUR — ELECTRIC LINE
- - - EASEMENT - DRAINAGE & UTILITY	- - - DT - - - STORM DRAINTILE	◐ FLARED END SECTION	— FENCE	— P - OH — ELECTRIC LINE - OVERHEAD
- - - EASEMENT - ROADWAY	- - -   - - - WATERMAIN	● SANITARY MANHOLE	— RETAINING WALL	— G — GAS LINE
- - - EASEMENT - PRIVATE UTILITY	- - - > - - - SANITARY SEWER	○ HYDRANT	~ LANDSCAPING	— C — TELECOMMUNICATION LINE
- - - RIGHT OF WAY	- - -    - - - SANITARY SEWER FORCEMAIN	⊠ MAIL BOX	○ UTILITY POLE	□ ELECTRIC PEDESTAL
○ VALVE	■ 2X3 CATCH BASIN	⊡ SIGN	○ LIGHT POLE	□ COMMUNICATION PEDESTAL

**NOTES:**

- LOCATES MARKINGS SHOT IN THE FIELD FROM GOPHER ONE STATE CALL. HAA TOPOGRAPHIC SURVEY 10/28/2019.
- UTILITY ASBUILTS RECEIVED FROM GOPHER ONE STATE ASBUILT LOCATE 11/21/2019..

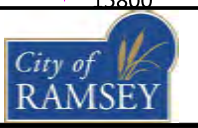


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JOE FERIANCEK  
Date XX/XX/XX Lic. No. 57095

DESIGNED BY:	JJF
DRAWN BY:	JJF
CHECKED BY:	BRW
DATE:	5/5/20
FILE:	20-01

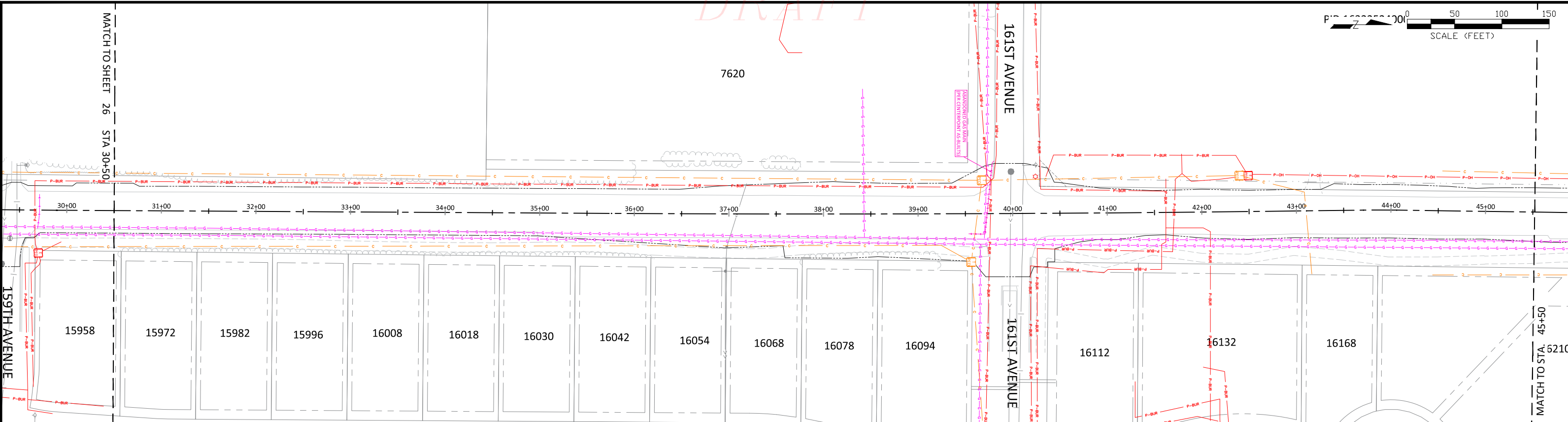
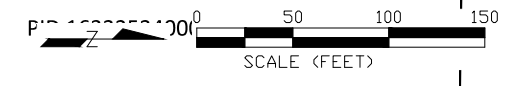


CITY OF RAMSEY  
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EXISTING PRIVATE UTILITIES  
STA. 0+00 TO 30+00  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

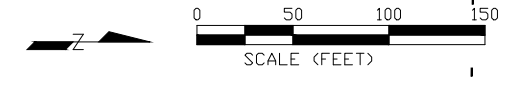
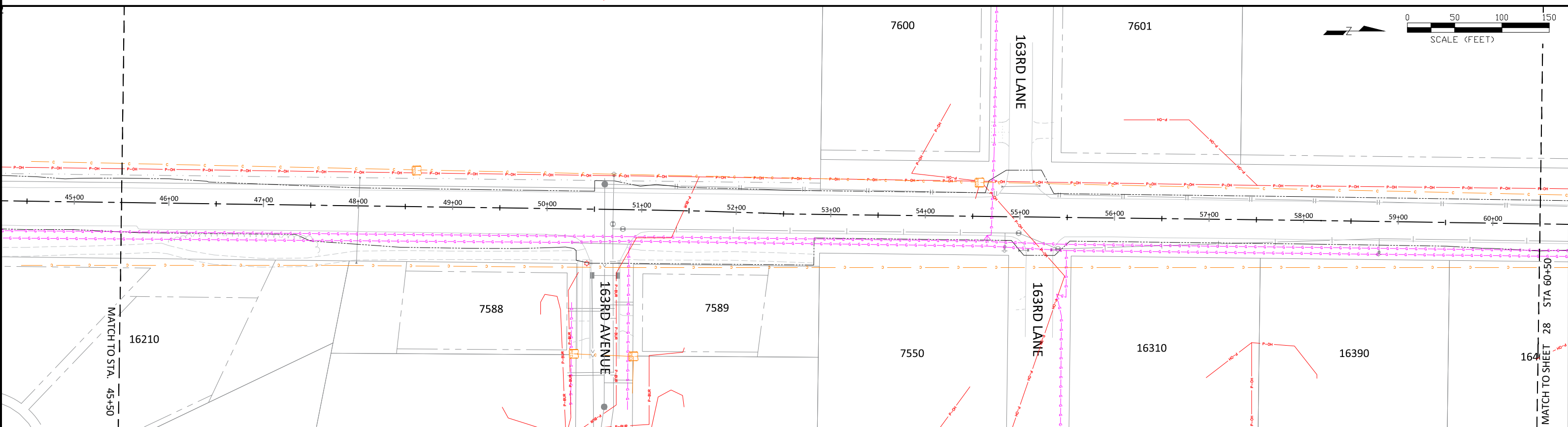
DRAFT



**LEGEND**

--- CONSTRUCTION LIMIT	--->> STORM SEWER	○ STORM MANHOLE	~ TREE LINE	— P - BUR — ELECTRIC LINE
- - - EASEMENT - DRAINAGE & UTILITY	- - - DT - - - STORM DRAINTILE	▲ FLARED END SECTION	— FENCE	— P - OH — ELECTRIC LINE - OVERHEAD
- - - EASEMENT - ROADWAY	- - - I - - - WATERMAIN	● SANITARY MANHOLE	— RETAINING WALL	— G — GAS LINE
- - - EASEMENT - PRIVATE UTILITY	- - - > - - - SANITARY SEWER	○ HYDRANT	~ LANDSCAPING	— C — TELECOMMUNICATION LINE
- - - RIGHT OF WAY	- - -    - - - SANITARY SEWER FORCEMAIN	⊠ MAIL BOX	~ UTILITY POLE	— P - OH — ELECTRIC PEDESTRAL
⊘ VALVE	■ 2X3 CATCH BASIN	⊠ SIGN	~ LIGHT POLE	— P - OH — COMMUNICATION PEDESTAL

**NOTES:**  
 1. LOCATES MARKINGS SHOT IN THE FIELD FROM GOPHER ONE STATE CALL. HAA TOPOGRAPHIC SURVEY 10/28/2019.  
 2. UTILITY ASBUILTS RECEIVED FROM GOPHER ONE STATE ASBUILT LOCATE 11/21/2019..



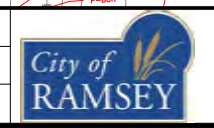
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JOE FERIANCEK  
 Date XX/XX/XX Lic. No. 57095

DESIGNED BY: JJF  
 DRAWN BY: JJF  
 CHECKED BY: BRW

DATE: 5/5/20  
 FILE: 20-01

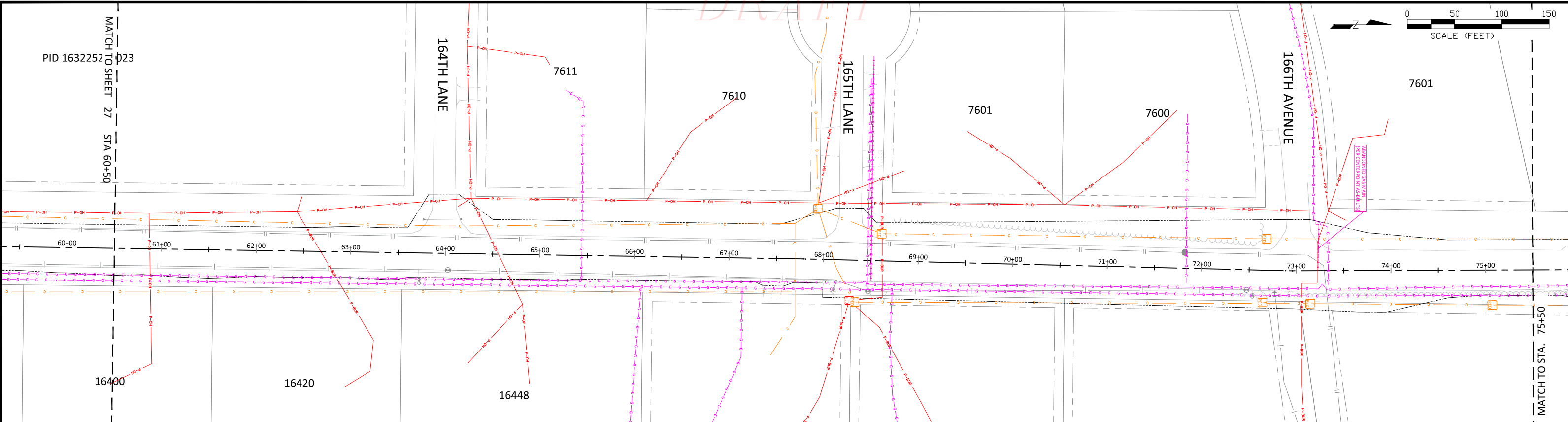
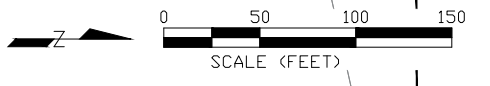


CITY OF RAMSEY  
 7550 SUNWOOD DRIVE  
 RAMSEY, MN 55303  
 (763) 427-1410 FAX (763) 433-9898

EXISTING PRIVATE UTILITIES  
 STA. 30+00 TO 60+00  
 S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
 CITY PROJECT NO. 20-01  
 CITY OF RAMSEY, MINNESOTA

DRAFT

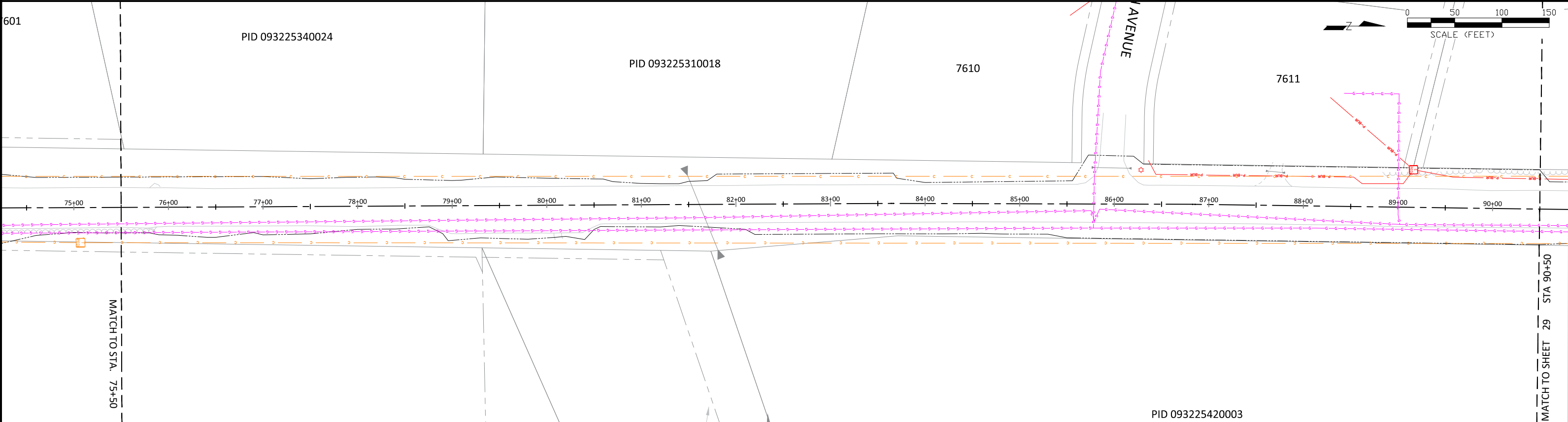


**LEGEND**

--- CONSTRUCTION LIMIT	--->> STORM SEWER	○ STORM MANHOLE	~ TREE LINE	— P - BUR — ELECTRIC LINE
- - - EASEMENT - DRAINAGE & UTILITY	-DT-> STORM DRAINTILE	▲ FLARED END SECTION	— FENCE	— P - OH — ELECTRIC LINE - OVERHEAD
- - - EASEMENT - ROADWAY	— I — WATERMAIN	○ SANITARY MANHOLE	— RETAINING WALL	— G — GAS LINE
- - - EASEMENT - PRIVATE UTILITY	—> SANITARY SEWER	○ HYDRANT	~ LANDSCAPING	— C — TELECOMMUNICATION LINE
— RIGHT OF WAY	—  — SANITARY SEWER FORCEMAIN	□ MAIL BOX	~ UTILITY POLE	— E — ELECTRIC PEDESTRAL
○ VALVE	■ 2X3 CATCH BASIN	□ SIGN	~ LIGHT POLE	— PED — COMMUNICATION PEDESTAL

**NOTES:**

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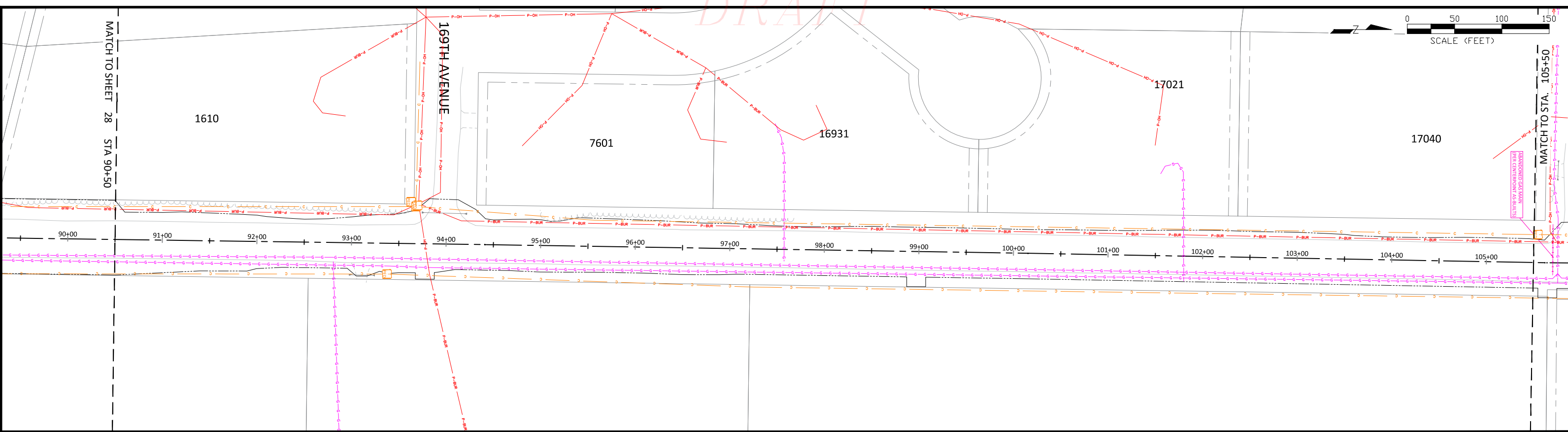
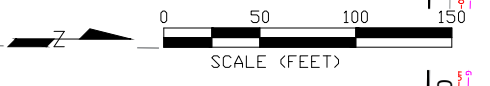
**CITY OF RAMSEY**  
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(763) 427-1410 FAX (763) 433-9898

**EXISTING PRIVATE UTILITIES**  
STA. 60+00 TO 90+00  
S.A.P. 199-101-012

PID 093225420003

**VARIOLITE STREET RECONSTRUCTION**  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT

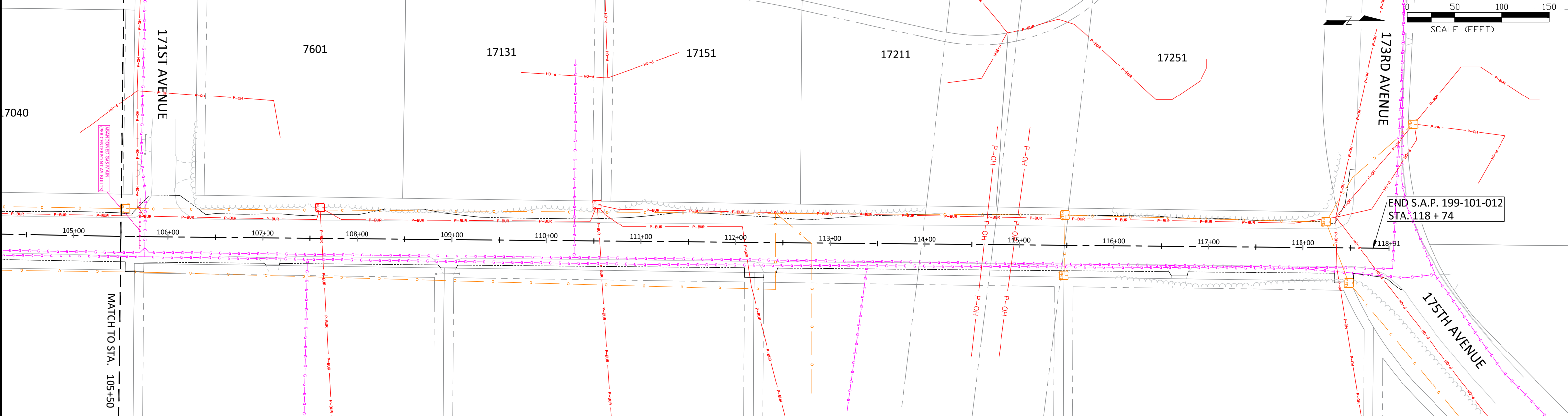


**LEGEND**

--- CONSTRUCTION LIMIT	--->> STORM SEWER	○ STORM MANHOLE	--- TREE LINE	--- P - BUR --- ELECTRIC LINE
- - - EASEMENT - DRAINAGE & UTILITY	- - - DT - - - STORM DRAINTILE	▲ FLARED END SECTION	--- FENCE	--- P - DH --- ELECTRIC LINE - OVERHEAD
- - - EASEMENT - ROADWAY	--- WATERMAIN	○ SANITARY MANHOLE	--- RETAINING WALL	--- G --- GAS LINE
- - - EASEMENT - PRIVATE UTILITY	--- SANITARY SEWER	○ HYDRANT	--- LANDSCAPING	--- C --- TELECOMMUNICATION LINE
--- RIGHT OF WAY	--- SANITARY SEWER FORCEMAIN	□ MAIL BOX	--- UTILITY POLE	--- ELECTRIC PEDESTRAL
○ VALVE	■ 2X3 CATCH BASIN	○ SIGN	○ LIGHT POLE	--- COMMUNICATION PEDESTAL

**NOTES:**

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2. UTILITY ASBULTS RECEIVED FROM GOPHER ONE STATE ASBULT LOCATE 11/21/2019..



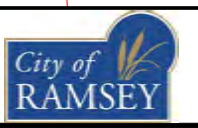
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JOE FERIANECK  
Date XX/XX/XX Lic. No. 57095

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DATE: 5/5/20  
FILE: 20-01

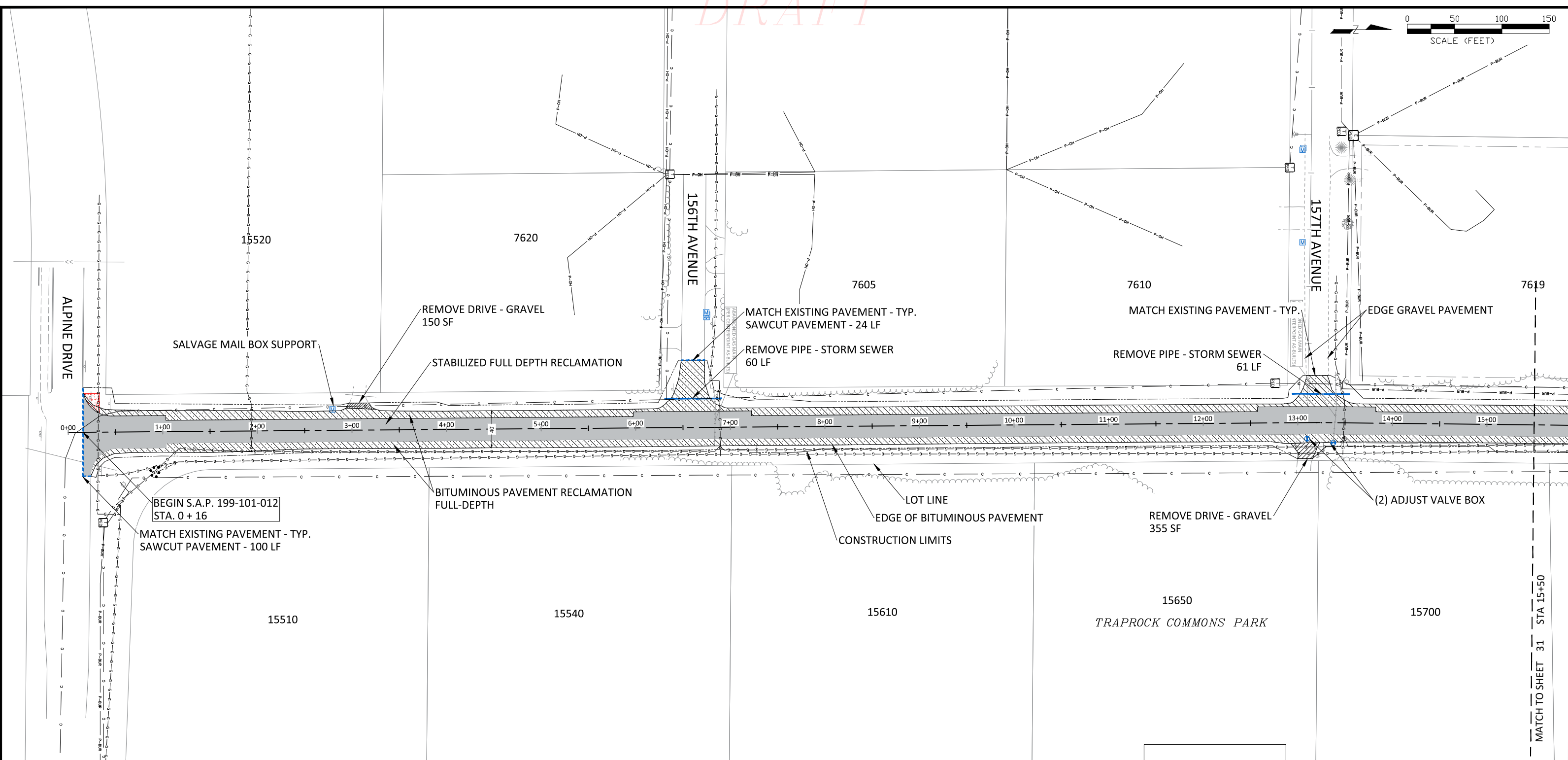


CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
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EXISTING PRIVATE UTILITIES  
STA. 90+00 TO 118+75  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



**LEGEND**

--- ---	CONSTRUCTION LIMIT	--->>---	STORM SEWER	☐	MAIL BOX
--- ---	EASEMENT - DRAINAGE & UTILITY	---DT--->	STORM DRAINTILE	☐	SIGN
--- ---	EASEMENT - ROADWAY	--- ---	WATERMAIN	☐	TREE
--- ---	EASEMENT - PRIVATE UTILITY	--->---	SANITARY SEWER	☐	SHRUB
--- ---	RIGHT OF WAY	---  ---	SANITARY SEWER FORCEMAIN	☐	UTILITY POLE
---P---BUR---	ELECTRIC LINE	☐	2X3 CATCH BASIN	☐	FLARED END SECTION
---P---OH---	ELECTRIC LINE - OVERHEAD	☐	STORM MANHOLE	☐	SANITARY MANHOLE
---G---	GAS LINE	☐	FLARED END SECTION	☐	HYDRANT
---C---	TELECOMMUNICATION LINE	☐	SANITARY MANHOLE	☐	VALVE
--- ---	TREE LINE	☐	HYDRANT	☐	LIGHT POLE
--- ---	FENCE	☐	VALVE	☐	ELECTRIC PEDESTAL
--- ---	RETAINING WALL	☐	REMOVE PIPE - STORM SEWER	☐	COMMUNICATION PEDESTAL
--- ---	LANDSCAPING	☐	REMOVE PIPE - SANITARY SEWER	☐	
--- ---	CONCRETE C&G - B618	☐	REMOVE PIPE - STORM SEWER	☐	

▨	FULL DEPTH RECLAMATION	☐	MAIL BOX
▨	STABILIZED FULL DEPTH RECLAMATION	☐	SIGN
▨	REMOVE DRIVE - BITUMINOUS	☐	TREE
▨	REMOVE DRIVE - CONCRETE	☐	SHRUB
▨	REMOVE DRIVE - GRAVEL	☐	UTILITY POLE
▨	REMOVE BITUMINOUS TRAIL	☐	
▨	REMOVE CONCRETE WALK	☐	
▨	REMOVE CONCRETE C&G	☐	
▨	SAW CUT - FULL DEPTH	☐	
▨	REMOVE PIPE - SANITARY SEWER	☐	
▨	REMOVE PIPE - STORM SEWER	☐	
▨	REMOVE TREE	☐	
▨	ADJUST VALVE BOX	☐	

**NOTES:**

1. ALL DRIVEWAY REMOVALS SHALL BE SAWCUT AS APPLICABLE. GRAVEL DRIVEWAY REMOVALS SHALL BE A CLEAN EDGE.
2. REMOVAL LIMITS SHALL BE MARKED IN THE FIELD BY CITY STAFF.
3. PROTECT LANDSCAPING AND IRRIGATION. PROPERTY OWNERS ARE TO LOCATE AND MOVE IRRIGATION BEFORE CONSTRUCTION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING IRRIGATION SYSTEMS WITHIN THE PROJECT CONSTRUCTION LIMITS BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO IRRIGATION SYSTEMS WHERE POSSIBLE.
4. SALVAGE AND INSTALL MAIL BOX SUPPORTS IN THE SAME LOCATION, UNLESS OTHERWISE DIRECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING MAIL BOX SUPPORTS WHICH ARE DAMAGED DURING SALVAGE AND/OR INSTALLATION UNLESS CONTRACTOR NOTIFIES CITY OF DAMAGED MAIL BOX SUPPORTS BEFORE SALVAGE OPERATIONS BEGIN. SALVAGED MAIL BOX SUPPORTS SHALL BE STORED BY CONTRACTOR DURING PROJECT.

**NOTES:**

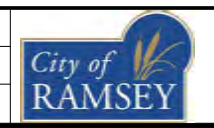
5. EROSION CONTROL MUST BE IN-PLACE PRIOR TO REMOVALS, SEE SHEETS 18 - 25.
6. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT IS NOT GUARANTEED ANY OR ALL EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

DATE	REVISION

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JOE FERIANCEK  
Date XX/XX/XX Lic. No. 57095

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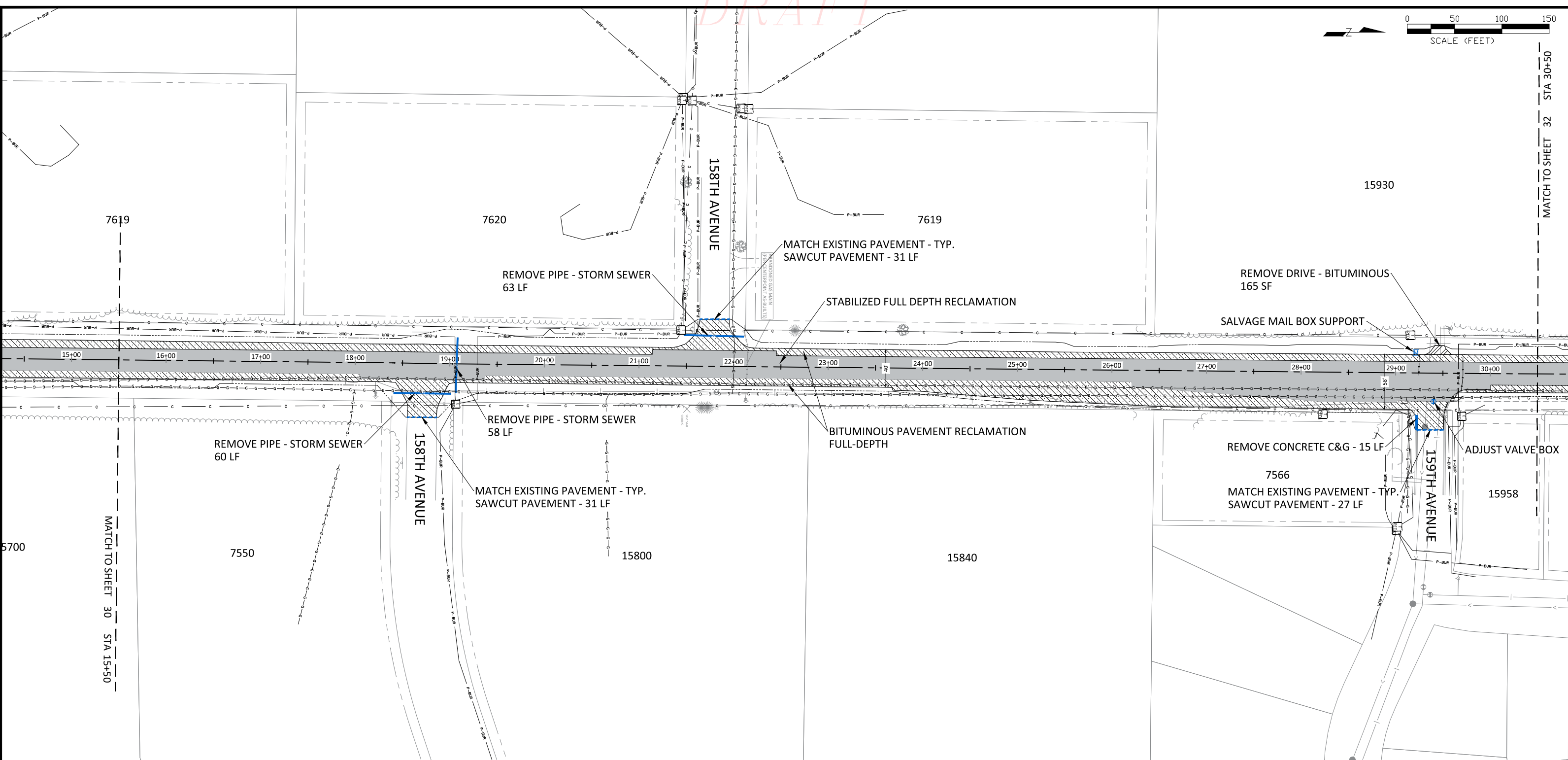
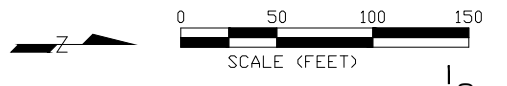


CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

EXISTING CONDITIONS & REMOVALS  
STA. 0+00 TO 15+00  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



LEGEND	
--- ---	CONSTRUCTION LIMIT
- - - -	EASEMENT - DRAINAGE & UTILITY
- - - -	EASEMENT - ROADWAY
- - - -	EASEMENT - PRIVATE UTILITY
- - - -	RIGHT OF WAY
- P - BUR	ELECTRIC LINE
- P - OH	ELECTRIC LINE - OVERHEAD
- G	GAS LINE
- C	TELECOMMUNICATION LINE
- T	TREE LINE
- F	FENCE
- R	RETAINING WALL
- L	LANDSCAPING
- B618	CONCRETE C&G - B618
->>>	STORM SEWER
-DT->	STORM DRAINTILE
- I	WATERMAIN
->	SANITARY SEWER
-  -	SANITARY SEWER FORCEMAIN
○	2X3 CATCH BASIN
○	STORM MANHOLE
○	FLARED END SECTION
○	SANITARY MANHOLE
○	HYDRANT
○	VALVE
○	LIGHT POLE
○	ELECTRIC PEDESTAL
○	COMMUNICATION PEDESTAL
□	MAIL BOX
○	SIGN
○	TREE
○	SHRUB
○	UTILITY POLE
[Hatched]	FULL DEPTH RECLAMATION
[Stippled]	STABILIZED FULL DEPTH RECLAMATION
[Diagonal Hatched]	REMOVE DRIVE - BITUMINOUS
[Diagonal Hatched]	REMOVE DRIVE - CONCRETE
[Diagonal Hatched]	REMOVE DRIVE - GRAVEL
[Diagonal Hatched]	REMOVE BITUMINOUS TRAIL
[Diagonal Hatched]	REMOVE CONCRETE WALK
[Blue Hatched]	REMOVE CONCRETE C&G
[Blue Hatched]	SAW CUT - FULL DEPTH
[Blue Hatched]	REMOVE PIPE - SANITARY SEWER
[Blue Hatched]	REMOVE PIPE - STORM SEWER
[Blue Hatched]	REMOVE TREE
[Blue Hatched]	ADJUST VALVE BOX

NOTES:

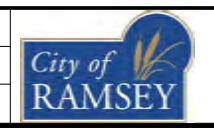
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JOE FERIANCEK  
Date XX/XX/XX Lic. No. 57095

DESIGNED BY:	JJF
DRAWN BY:	JJF
CHECKED BY:	BRW



CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

EXISTING CONDITIONS & REMOVALS  
STA. 15+00 TO 30+00  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

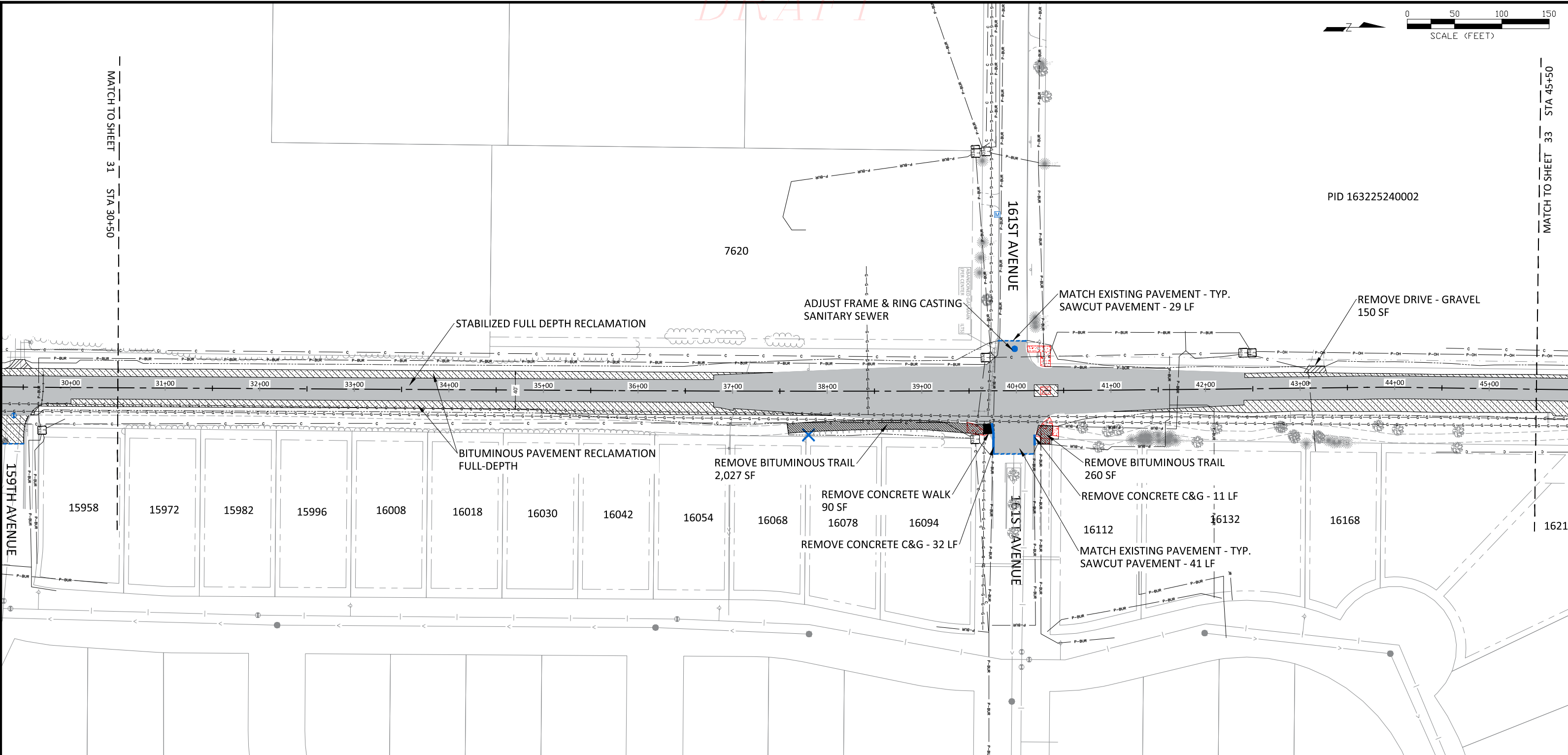
DRAFT



MATCH TO SHEET 31 STA 30+50

MATCH TO SHEET 33 STA 45+50

PID 163225240002



**LEGEND**

--- CONSTRUCTION LIMIT	--->> STORM SEWER	☐ MAIL BOX
- - - EASEMENT - DRAINAGE & UTILITY	-DT-> STORM DRAINTILE	☐ SIGN
- - - EASEMENT - ROADWAY	- I - WATERMAIN	☐ TREE
- - - EASEMENT - PRIVATE UTILITY	->-> SANITARY SEWER	☐ SHRUB
- - - RIGHT OF WAY	-  - SANITARY SEWER FORCEMAIN	☐ UTILITY POLE
- P - BUR - ELECTRIC LINE	○ 2X3 CATCH BASIN	
- P - OH - ELECTRIC LINE - OVERHEAD	○ STORM MANHOLE	
- G - GAS LINE	○ FLARED END SECTION	
- C - TELECOMMUNICATION LINE	○ SANITARY MANHOLE	
○ TREE LINE	○ HYDRANT	
○ FENCE	○ VALVE	
○ RETAINING WALL	○ LIGHT POLE	
○ LANDSCAPING	○ ELECTRIC PEDESTAL	
○ CONCRETE C&G - B618	○ COMMUNICATION PEDESTAL	

▨ FULL DEPTH RECLAMATION	▨ STABILIZED FULL DEPTH RECLAMATION
▨ REMOVE DRIVE - BITUMINOUS	▨ REMOVE DRIVE - CONCRETE
▨ REMOVE DRIVE - GRAVEL	▨ REMOVE BITUMINOUS TRAIL
▨ REMOVE CONCRETE WALK	▨ REMOVE CONCRETE C&G
▨ REMOVE CONCRETE WALK	▨ SAW CUT - FULL DEPTH
▨ REMOVE PIPE - SANITARY SEWER	▨ REMOVE PIPE - STORM SEWER
▨ REMOVE PIPE - STORM SEWER	▨ REMOVE TREE
▨ REMOVE TREE	▨ ADJUST VALVE BOX

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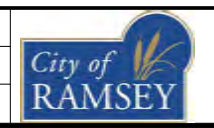
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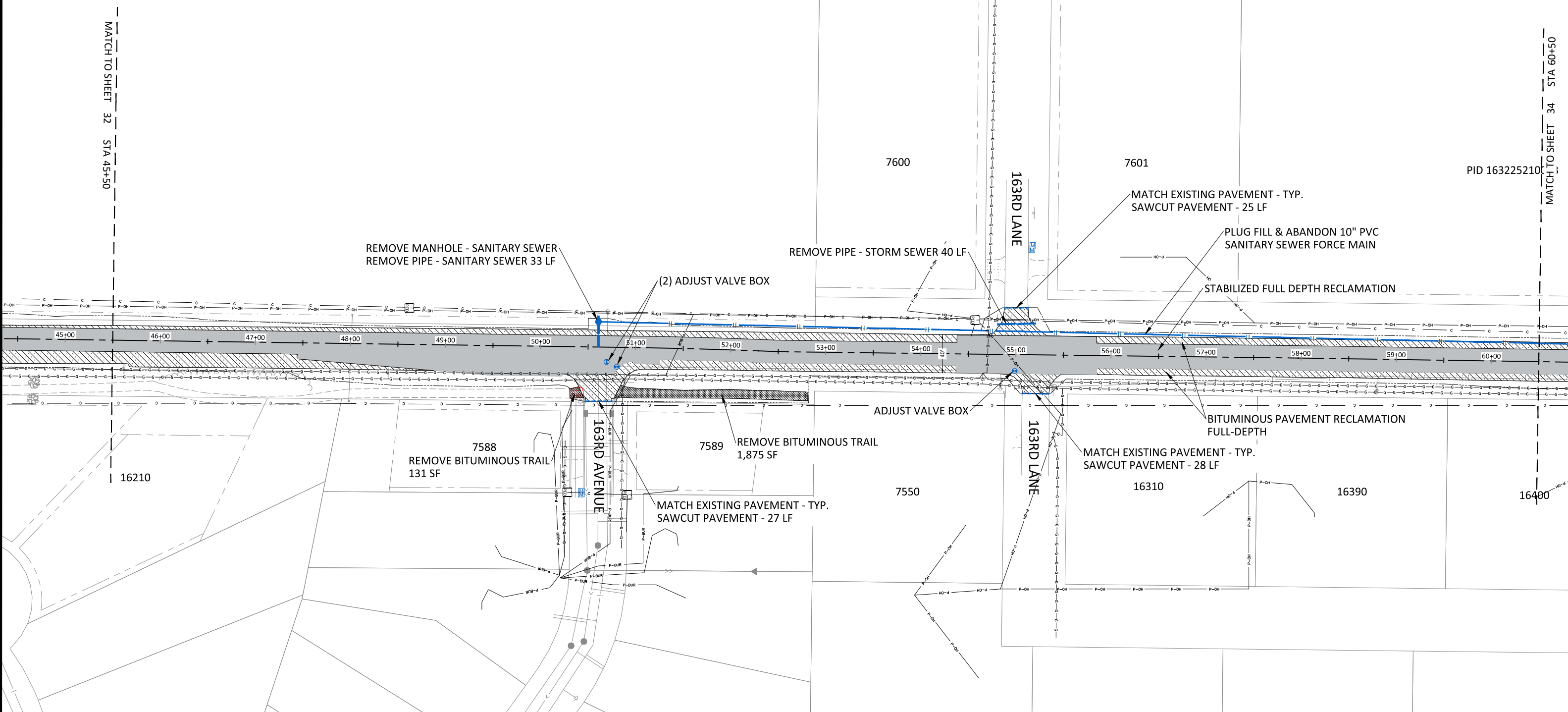
DESIGNED BY: JJF	DATE: 5/5/20
DRAWN BY: JJF	FILE: 20-01
CHECKED BY: BRW	



CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

EXISTING CONDITIONS & REMOVALS  
STA. 30+00 TO 45+00  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA



**LEGEND**

--- CONSTRUCTION LIMIT	--->> STORM SEWER	□ MAIL BOX	▨ FULL DEPTH RECLAMATION
- - - EASEMENT - DRAINAGE & UTILITY	-DT-> STORM DRAINTILE	○ SIGN	▩ STABILIZED FULL DEPTH RECLAMATION
- - - EASEMENT - ROADWAY	-  WATERMAIN	☀ TREE	▨ REMOVE DRIVE - BITUMINOUS
- - - EASEMENT - PRIVATE UTILITY	-> SANITARY SEWER	☿ SHRUB	▨ REMOVE DRIVE - CONCRETE
--- RIGHT OF WAY	-   SANITARY SEWER FORCEMAIN	○ UTILITY POLE	▨ REMOVE DRIVE - GRAVEL
- P - BUR - ELECTRIC LINE	○ 2X3 CATCH BASIN		▨ REMOVE BITUMINOUS TRAIL
- P - OH - ELECTRIC LINE - OVERHEAD	○ STORM MANHOLE		▨ REMOVE CONCRETE WALK
- G - GAS LINE	○ FLARED END SECTION		▨ REMOVE CONCRETE C&G
- C - TELECOMMUNICATION LINE	○ SANITARY MANHOLE		▨ SAW CUT - FULL DEPTH
~ TREE LINE	○ HYDRANT		▨ REMOVE PIPE - SANITARY SEWER
- FENCE	○ VALVE		▨ REMOVE PIPE - STORM SEWER
- RETAINING WALL	○ LIGHT POLE		▨ REMOVE TREE
- LANDSCAPING	○ ELECTRIC PEDESTAL		○ ADJUST VALVE BOX
- CONCRETE C&G - B618	○ COMMUNICATION PEDESTAL		

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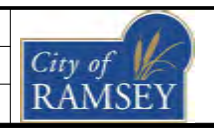
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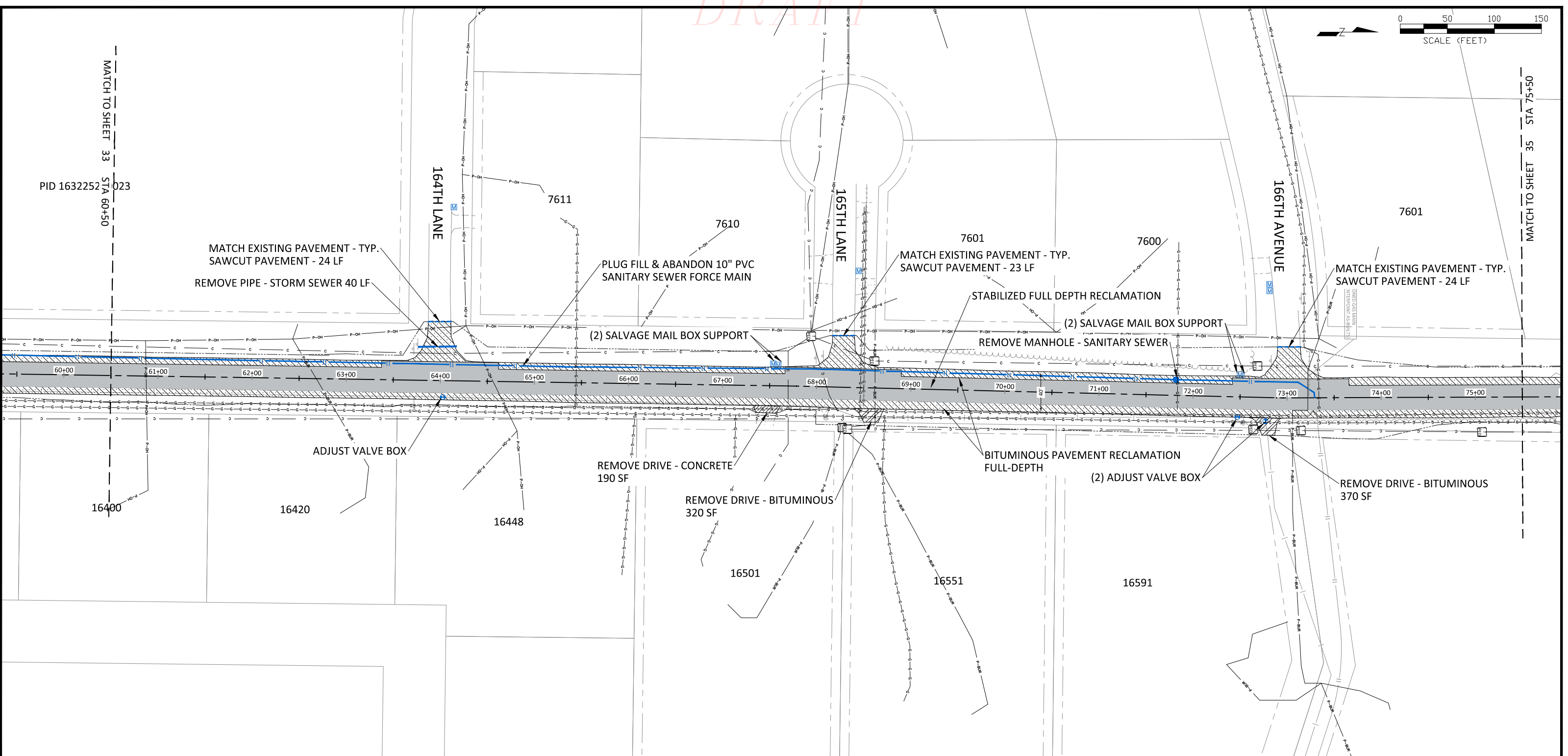
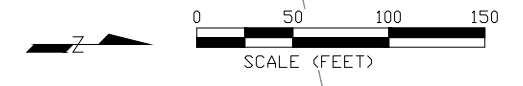


CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
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EXISTING CONDITIONS & REMOVALS  
STA. 45+00 TO 60+00  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



**LEGEND**

--- ---	CONSTRUCTION LIMIT	--->---	STORM SEWER	☐	MAIL BOX
--- ---	EASEMENT - DRAINAGE & UTILITY	---DT---	STORM DRAINTILE	☐	SIGN
--- ---	EASEMENT - ROADWAY	--- ---	WATERMAIN	☐	TREE
--- ---	EASEMENT - PRIVATE UTILITY	--->---	SANITARY SEWER	☐	SHRUB
--- ---	RIGHT OF WAY	---  ---	SANITARY SEWER FORCEMAIN	☐	UTILITY POLE
--- P --- BUR ---	ELECTRIC LINE	☐	2X3 CATCH BASIN	☐	
--- P --- OH ---	ELECTRIC LINE - OVERHEAD	☐	STORM MANHOLE	☐	
--- G ---	GAS LINE	☐	FLARED END SECTION	☐	
--- C ---	TELECOMMUNICATION LINE	☐	SANITARY MANHOLE	☐	
--- T ---	TREE LINE	☐	HYDRANT	☐	
--- F ---	FENCE	☐	VALVE	☐	
--- R ---	RETAINING WALL	☐	LIGHT POLE	☐	
--- L ---	LANDSCAPING	☐	ELECTRIC PEDESTAL	☐	
--- C&G ---	CONCRETE C&G - B618	☐	COMMUNICATION PEDESTAL	☐	

▨	FULL DEPTH RECLAMATION
▨	STABILIZED FULL DEPTH RECLAMATION
▨	REMOVE DRIVE - BITUMINOUS
▨	REMOVE DRIVE - CONCRETE
▨	REMOVE DRIVE - GRAVEL
▨	REMOVE BITUMINOUS TRAIL
▨	REMOVE CONCRETE WALK
▨	REMOVE CONCRETE C&G
▨	SAW CUT - FULL DEPTH
▨	REMOVE PIPE - SANITARY SEWER
▨	REMOVE PIPE - STORM SEWER
▨	REMOVE TREE
▨	ADJUST VALVE BOX

**NOTES:**

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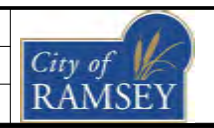
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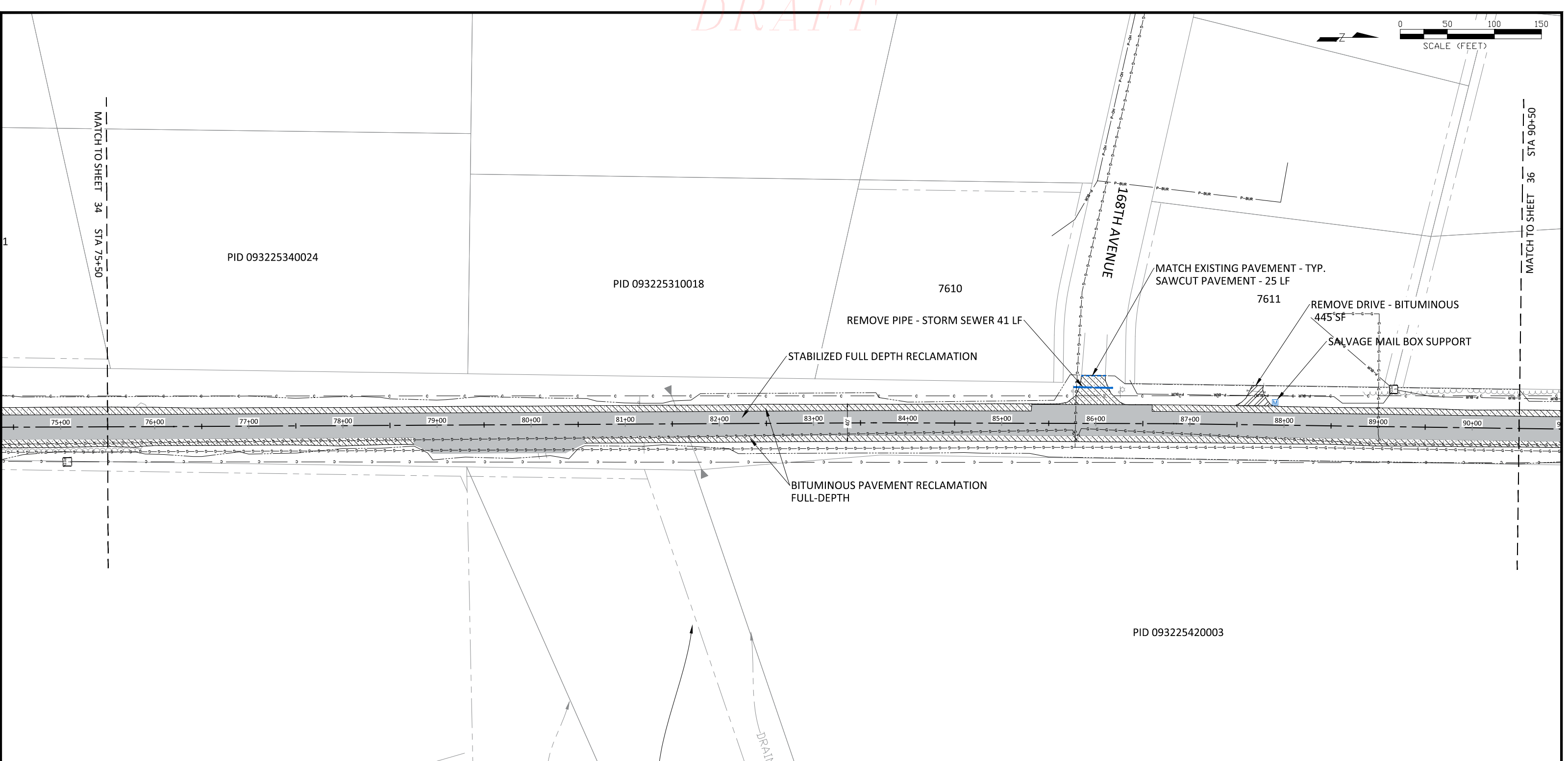
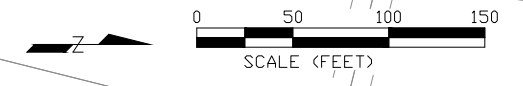


**CITY OF RAMSEY**  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

**EXISTING CONDITIONS & REMOVALS**  
STA. 60+00 TO 75+00  
S.A.P. 199-101-012

**VARIOLITE STREET RECONSTRUCTION**  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



**LEGEND**

-----	CONSTRUCTION LIMIT	--->---	STORM SEWER		MAIL BOX
- - - - -	EASEMENT - DRAINAGE & UTILITY	-DT->	STORM DRAINTILE		SIGN
- . . . -	EASEMENT - ROADWAY	---	WATERMAIN		TREE
- - - - -	EASEMENT - PRIVATE UTILITY	---	SANITARY SEWER		SHRUB
---	RIGHT OF WAY	---	SANITARY SEWER FORCEMAIN		UTILITY POLE
- P - BUR	ELECTRIC LINE		2X3 CATCH BASIN		
- P - OH	ELECTRIC LINE - OVERHEAD		STORM MANHOLE		
- G	GAS LINE		FLARED END SECTION		
- C	TELECOMMUNICATION LINE		SANITARY MANHOLE		
	TREE LINE		HYDRANT		
	FENCE		VALVE		
	RETAINING WALL		LIGHT POLE		
	LANDSCAPING		ELECTRIC PEDESTAL		
	CONCRETE C&G - B618		COMMUNICATION PEDESTAL		

	FULL DEPTH RECLAMATION
	STABILIZED FULL DEPTH RECLAMATION
	REMOVE DRIVE - BITUMINOUS
	REMOVE DRIVE - CONCRETE
	REMOVE DRIVE - GRAVEL
	REMOVE BITUMINOUS TRAIL
	REMOVE CONCRETE WALK
	REMOVE CONCRETE C&G
	SAW CUT - FULL DEPTH
	REMOVE PIPE - SANITARY SEWER
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	REMOVE TREE
	ADJUST VALVE BOX

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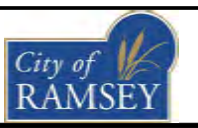
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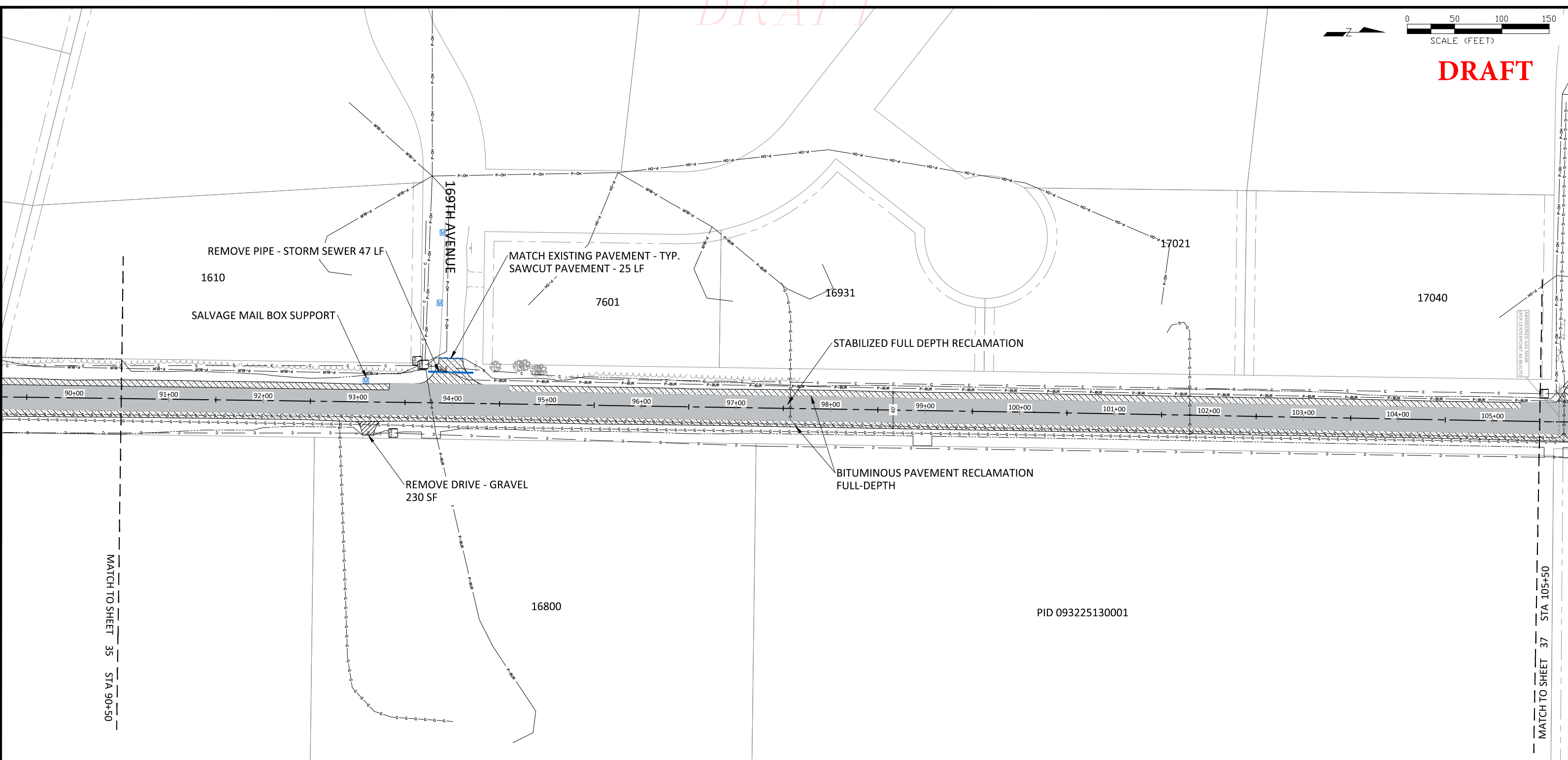
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STA. 75+00 TO 90+00  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



DRAFT



---	CONSTRUCTION LIMIT
- - - -	EASEMENT - DRAINAGE & UTILITY
- . . . -	EASEMENT - ROADWAY
- - - - -	EASEMENT - PRIVATE UTILITY
- - - - -	RIGHT OF WAY
- P - BUR -	ELECTRIC LINE
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- L -	LANDSCAPING
- B -	CONCRETE C&G - B618

->>->	STORM SEWER
-DT->	STORM DRAIN TILE
- I -	WATERMAIN
- S -	SANITARY SEWER
- SF -	SANITARY SEWER FORCEMAIN
- CB -	2X3 CATCH BASIN
- SM -	STORM MANHOLE
- FM -	FLARED END SECTION
- MH -	SANITARY MANHOLE
- H -	HYDRANT
- V -	VALVE
- LP -	LIGHT POLE
- EP -	ELECTRIC PEDESTAL
- CP -	COMMUNICATION PEDESTAL

[Hatched Box]	FULL DEPTH RECLAMATION
[Solid Grey Box]	STABILIZED FULL DEPTH RECLAMATION
[Hatched Box]	REMOVE DRIVE - BITUMINOUS
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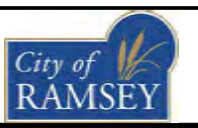
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FILE:	20-01

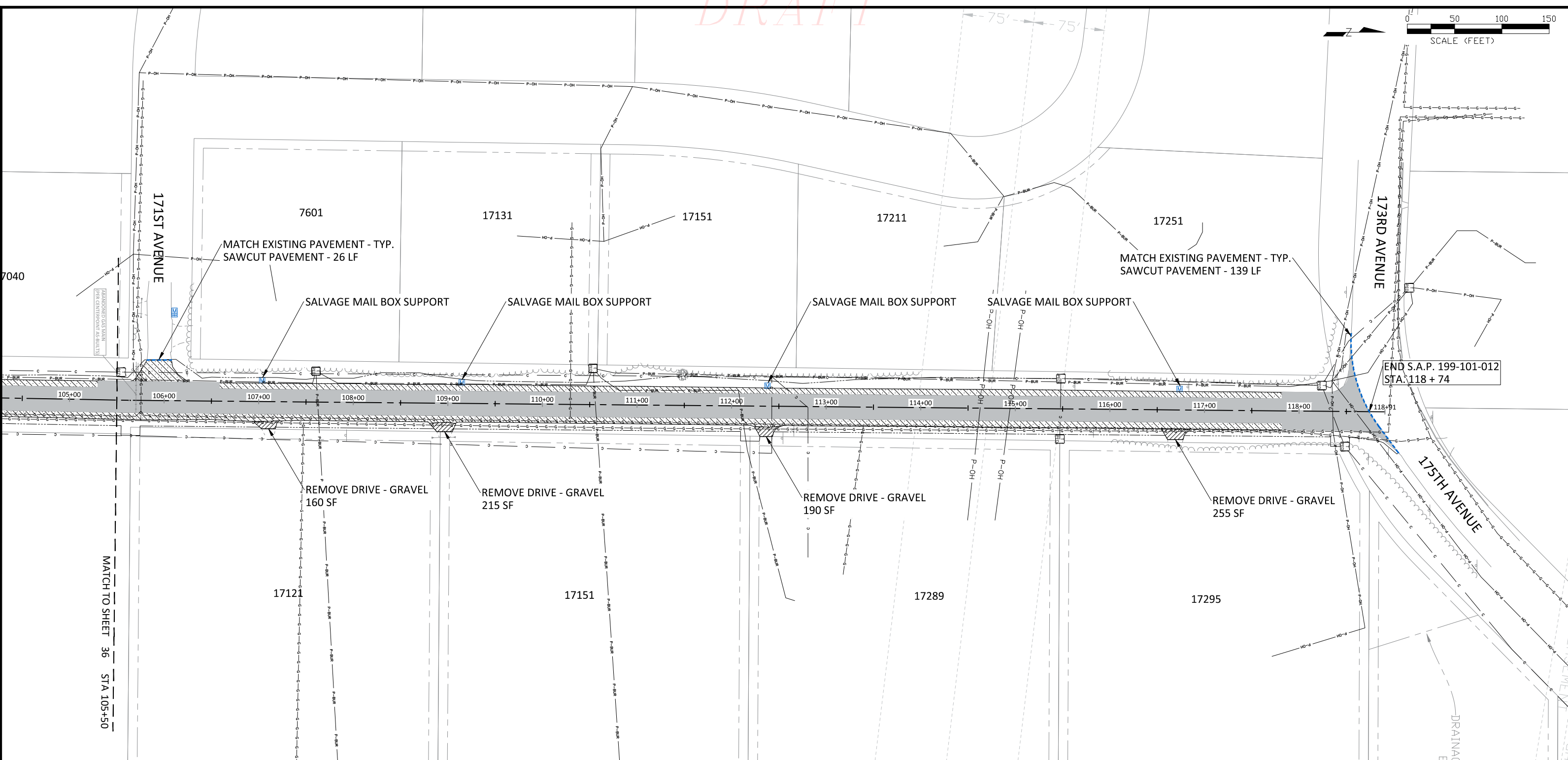
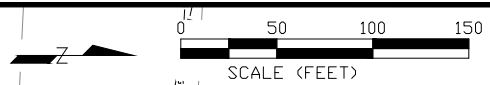


CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

EXISTING CONDITIONS & REMOVALS  
STA. 90+00 TO 105+00  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



**LEGEND**

--- ---	CONSTRUCTION LIMIT	--->---	STORM SEWER	☐	MAIL BOX
--- ---	EASEMENT - DRAINAGE & UTILITY	-DT->	STORM DRAINTILE	☐	SIGN
--- ---	EASEMENT - ROADWAY	---	WATERMAIN	☐	TREE
--- ---	EASEMENT - PRIVATE UTILITY	---	SANITARY SEWER	☐	SHRUB
---	RIGHT OF WAY	---	SANITARY SEWER FORCEMAIN	☐	UTILITY POLE
- P - BUR	ELECTRIC LINE	○	2X3 CATCH BASIN	○	
- P - OH	ELECTRIC LINE - OVERHEAD	○	STORM MANHOLE	○	
- G	GAS LINE	○	FLARED END SECTION	○	
- C	TELECOMMUNICATION LINE	○	SANITARY MANHOLE	○	
---	TREE LINE	○	HYDRANT	○	
---	FENCE	○	VALVE	○	
---	RETAINING WALL	○	LIGHT POLE	○	
---	LANDSCAPING	○	ELECTRIC PEDESTAL	○	
---	CONCRETE C&G - B618	○	COMMUNICATION PEDESTAL	○	

▨	FULL DEPTH RECLAMATION
▨	STABILIZED FULL DEPTH RECLAMATION
▨	REMOVE DRIVE - BITUMINOUS
▨	REMOVE DRIVE - CONCRETE
▨	REMOVE DRIVE - GRAVEL
▨	REMOVE BITUMINOUS TRAIL
▨	REMOVE CONCRETE WALK
▨	REMOVE CONCRETE C&G
▨	SAW CUT - FULL DEPTH
▨	REMOVE PIPE - SANITARY SEWER
▨	REMOVE PIPE - STORM SEWER
▨	REMOVE TREE
▨	ADJUST VALVE BOX

**NOTES:**

1. ALL DRIVEWAY REMOVALS SHALL BE SAWCUT AS APPLICABLE. GRAVEL DRIVEWAY REMOVALS SHALL BE A CLEAN EDGE.
2. REMOVAL LIMITS SHALL BE MARKED IN THE FIELD BY CITY STAFF.
3. PROTECT LANDSCAPING AND IRRIGATION. PROPERTY OWNERS ARE TO LOCATE AND MOVE IRRIGATION BEFORE CONSTRUCTION. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING IRRIGATION SYSTEMS WITHIN THE PROJECT CONSTRUCTION LIMITS BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO IRRIGATION SYSTEMS WHERE POSSIBLE.
4. SALVAGE AND INSTALL MAIL BOX SUPPORTS IN THE SAME LOCATION, UNLESS OTHERWISE DIRECTED. CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING MAIL BOX SUPPORTS WHICH ARE DAMAGED DURING SALVAGE AND/OR INSTALLATION UNLESS CONTRACTOR NOTIFIES CITY OF DAMAGED MAIL BOX SUPPORTS BEFORE SALVAGE OPERATIONS BEGIN. SALVAGED MAIL BOX SUPPORTS SHALL BE STORED BY CONTRACTOR DURING PROJECT.

**NOTES:**

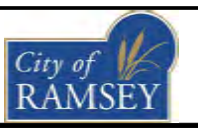
5. EROSION CONTROL MUST BE IN-PLACE PRIOR TO REMOVALS, SEE SHEETS 18 - 25.
6. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT IS NOT GUARANTEED ANY OR ALL EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.

DATE	REVISION

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota

JOE FERIANECK  
Date XX/XX/XX Lic. No. 57095

DESIGNED BY:	JJF
DRAWN BY:	JJF
CHECKED BY:	BRW

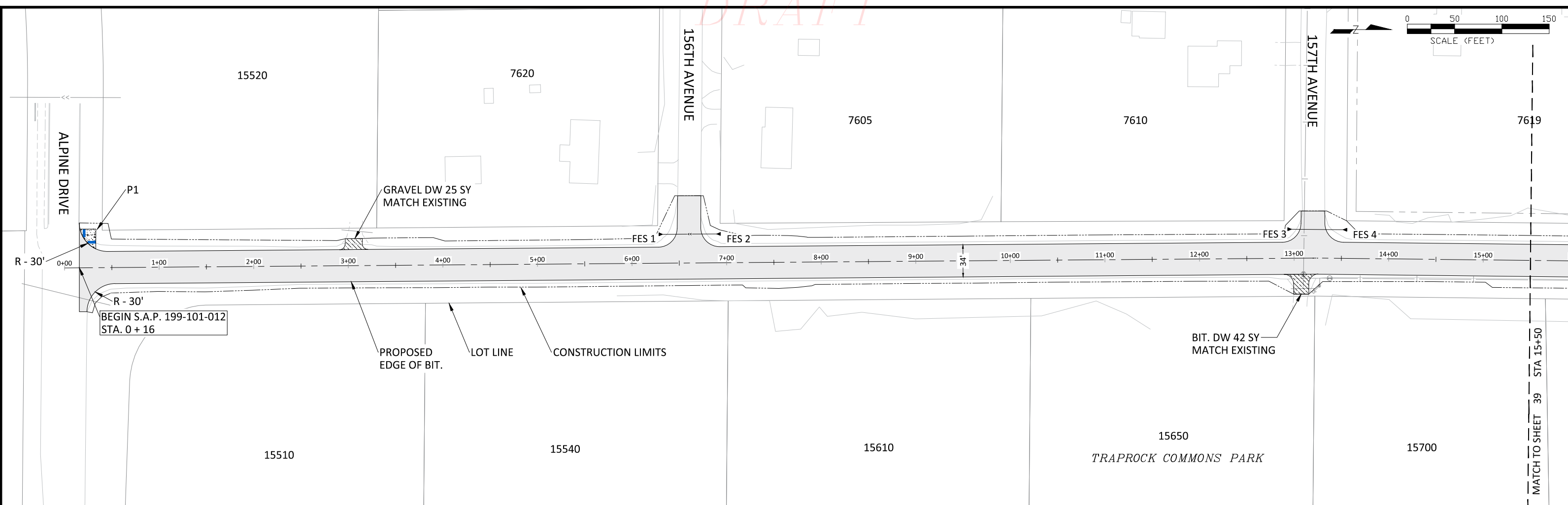
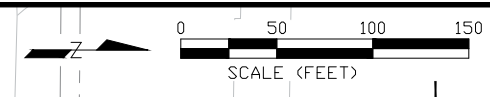


CITY OF RAMSEY  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

EXISTING CONDITIONS & REMOVALS  
STA. 105+00 TO 118+75  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT

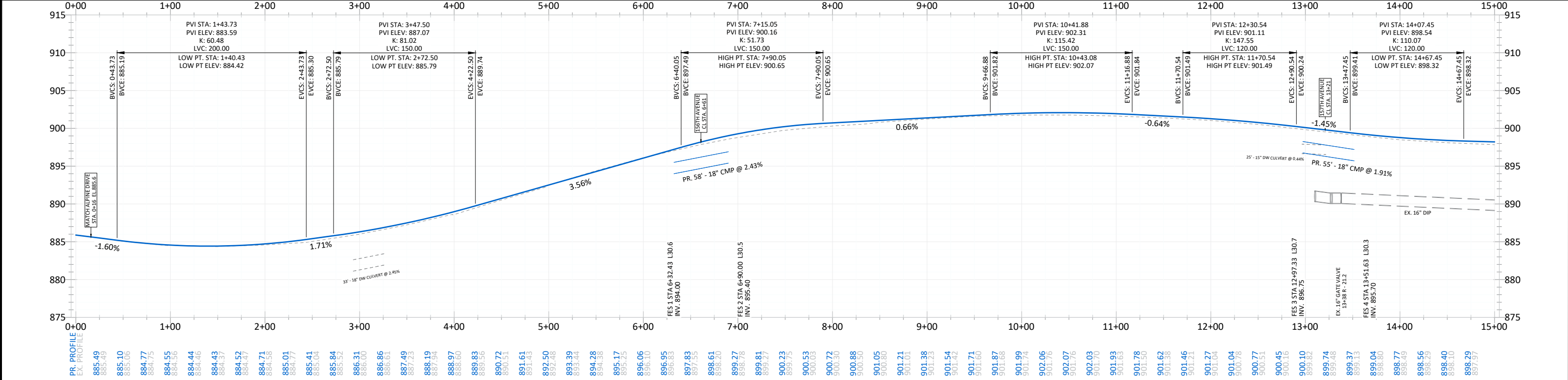


**LEGEND**

--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--->> STORM SEWER	--- SANITARY SEWER FORCEMAIN
--- EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	---DT--- STORM DRAIN TILE	--- CATCH BASIN
--- EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	--- FLARED END SECTION
--- EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	--- SANITARY MANHOLE
	PR. BITUMINOUS TRAIL		--- HYDRANT
	PR. CONCRETE WALK		--- WM VALVE
	PR. B618 CONCRETE C&G		

**GENERAL NOTES:**

- ALL RADII TO BE CONSTRUCTION AT 20', UNLESS OTHERWISE NOTED.
- TYPICAL SECTIONS SEE SHEET 07.
- PEDESTRIAN RAMP DETAILS SEE SHEET 08.
- MNDOT STANDARD PEDESTRIAN RAMP PLANS SHEETS 10 TO 15.



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JOE FERIANCEK  
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DESIGNED BY: JJF  
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DATE: 5/5/20  
FILE: 20-01

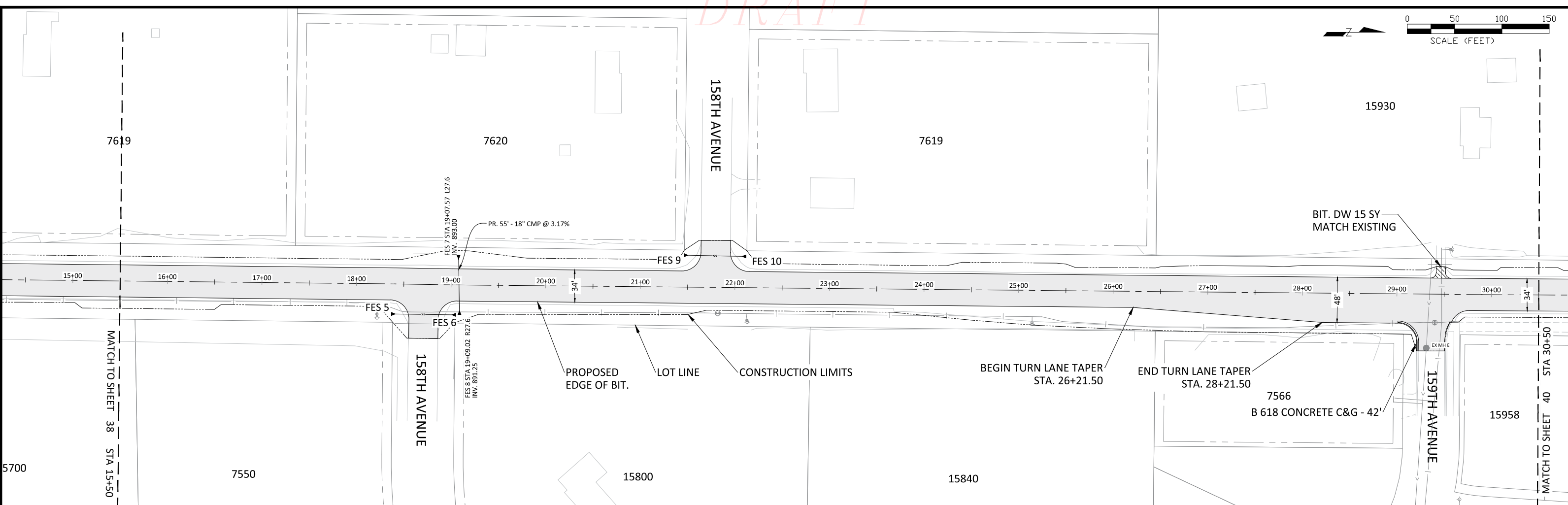
**CITY OF RAMSEY**  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

**STREET & STORM STA. 0+00 TO 15+00**

S.A.P. 199-101-012

**VARIOLITE STREET RECONSTRUCTION**  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT

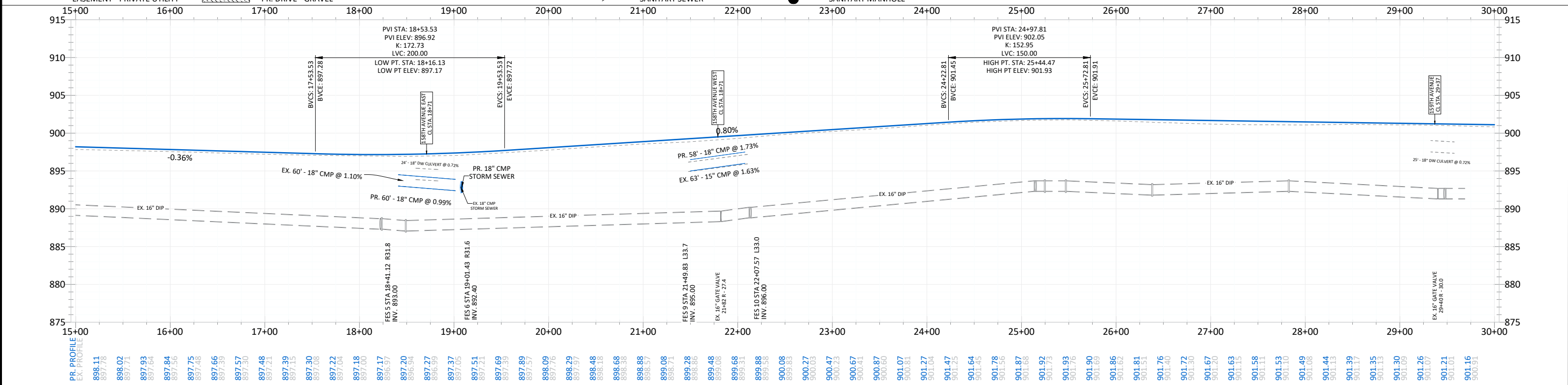


**LEGEND**

--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	PR. BITUMINOUS TRAIL	--->> STORM SEWER	--- SANITARY SEWER FORCEMAIN	HYDRANT
--- EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	PR. CONCRETE WALK	---DT--- STORM DRAIN TILE	CATCH BASIN	WM VALVE
--- EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	PR. B618 CONCRETE C&G	--- WATERMAIN	FLARED END SECTION	
--- EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL		--- SANITARY SEWER	SANITARY MANHOLE	

**GENERAL NOTES:**

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- MNDOT STANDARD PEDESTRIAN RAMP PLANS SHEETS 10 TO 15.



DATE	REVISION
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899.28	898.93
899.48	899.11
899.68	899.31
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901.35	901.13
901.30	901.09
901.26	901.07
901.21	901.01
901.16	900.91

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JOE FERIANECK  
Date XX/XX/XX Lic. No. 57095

DESIGNED BY: JJF  
DRAWN BY: JJF  
CHECKED BY: BRW

DATE: 5/5/20  
FILE: 20-01

**CITY OF RAMSEY**  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

**STREET & STORM STA. 15+00 TO 30+00**  
S.A.P. 199-101-012

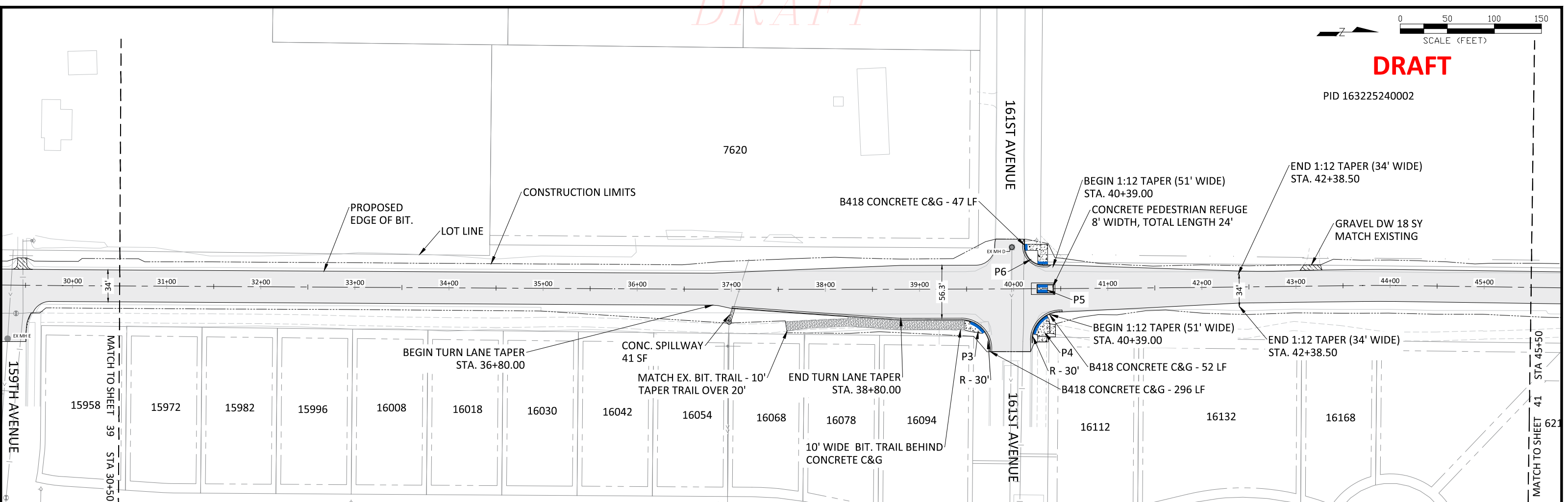
**VARIOLITE STREET RECONSTRUCTION**  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



DRAFT

PID 163225240002

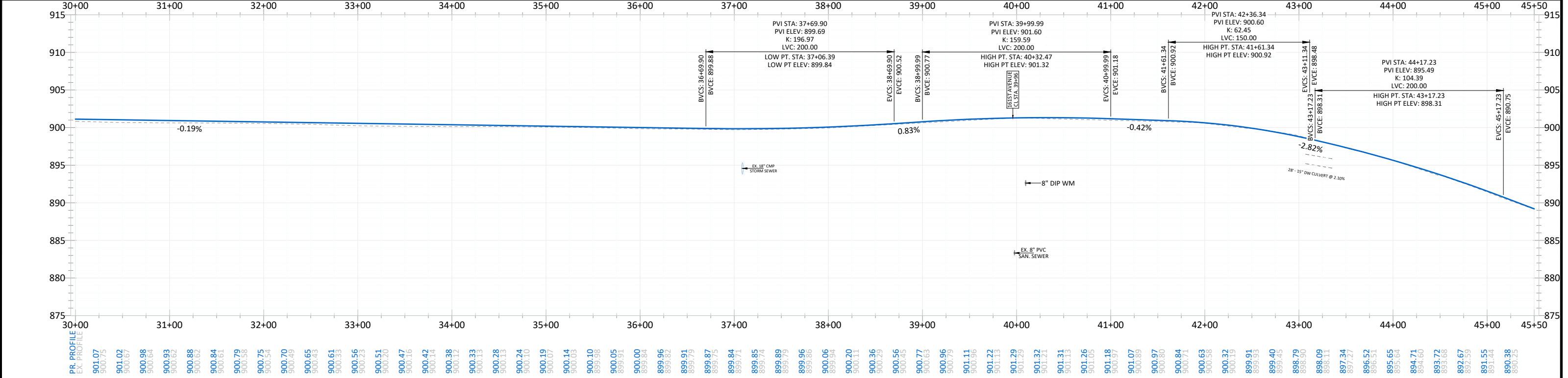


**LEGEND**

--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--- STORM SEWER	--- SANITARY SEWER FORCEMAIN
--- EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	--- STORM DRAIN TILE	--- CATCH BASIN
--- EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	--- FLARED END SECTION
--- EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	--- SANITARY MANHOLE
	PR. BITUMINOUS TRAIL		
	PR. CONCRETE WALK		
	PR. B618 CONCRETE C&G		

**GENERAL NOTES:**

1. ALL RADII TO BE CONSTRUCTION AT 20', UNLESS OTHERWISE NOTED.
2. TYPICAL SECTIONS SEE SHEET 07.
3. PEDESTRIAN RAMP DETAILS SEE SHEET 08.
4. MNDOT STANDARD PEDESTRIAN RAMP PLANS SHEETS 10 TO 15.

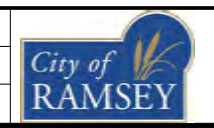


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**CITY OF RAMSEY**  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
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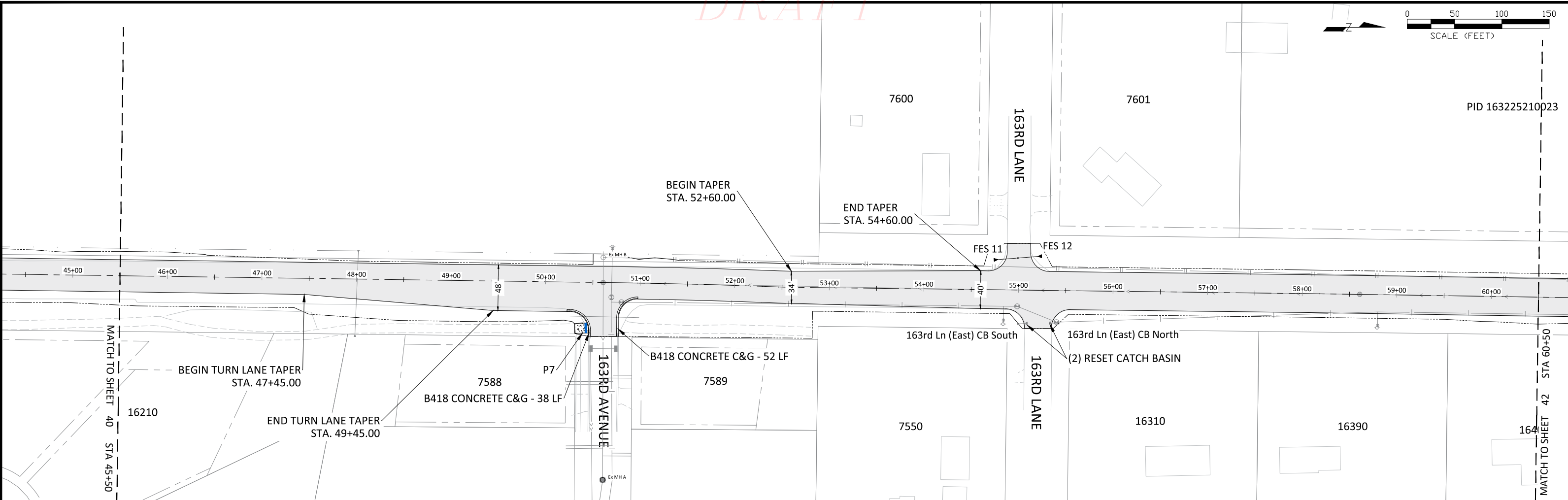
**STREET & STORM STA. 30+00 TO 45+00**  
S.A.P. 199-101-012

**VARIOLITE STREET RECONSTRUCTION**  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



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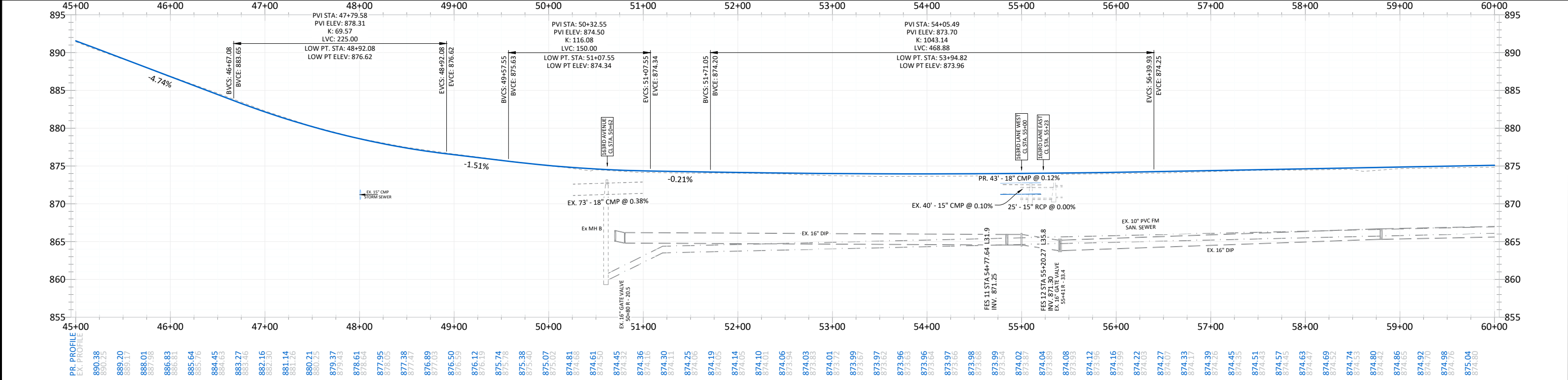


**LEGEND**

--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--- STORM SEWER	--- SANITARY SEWER FORCEMAIN	--- HYDRANT
--- EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	--- STORM DRAINTILE	--- CATCH BASIN	--- WM VALVE
--- EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	--- FLARED END SECTION	
--- EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	--- SANITARY MANHOLE	
	PR. BITUMINOUS TRAIL			
	PR. CONCRETE WALK			
	PR. B618 CONCRETE C&G			

**GENERAL NOTES:**

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2. TYPICAL SECTIONS SEE SHEET 07.
3. PEDESTRIAN RAMP DETAILS SEE SHEET 08.
4. MNDOT STANDARD PEDESTRIAN RAMP PLANS SHEETS 10 TO 15.



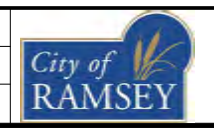
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7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
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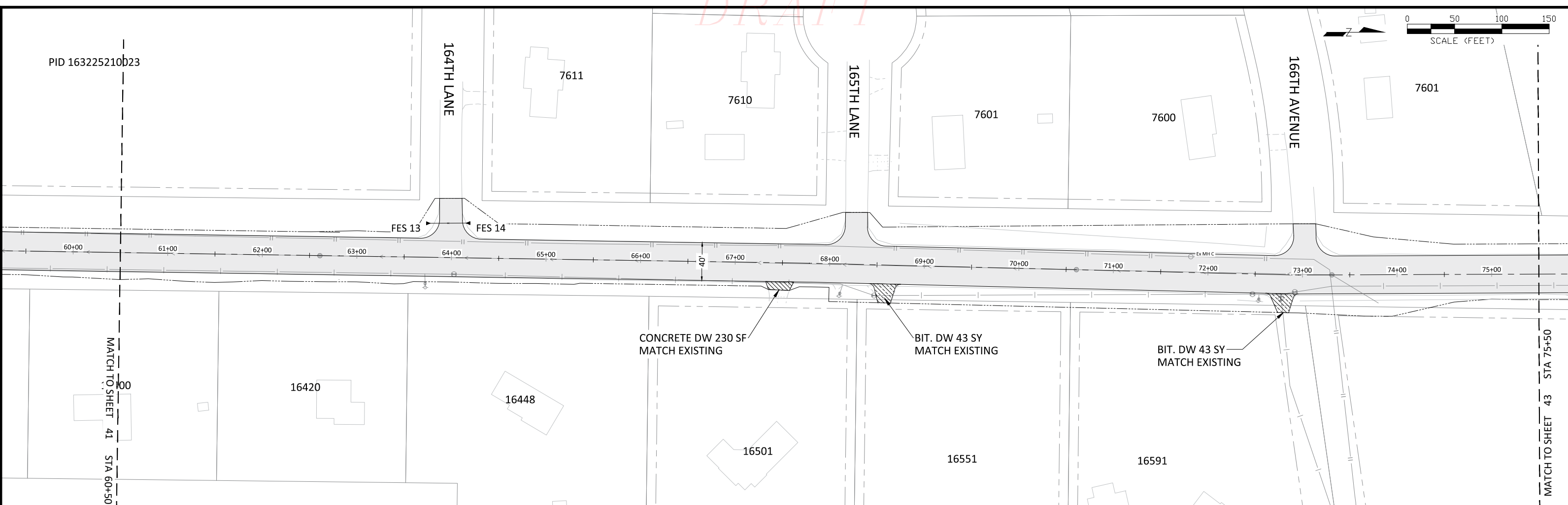
STREET & STORM STA. 45+00 TO 60+00  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



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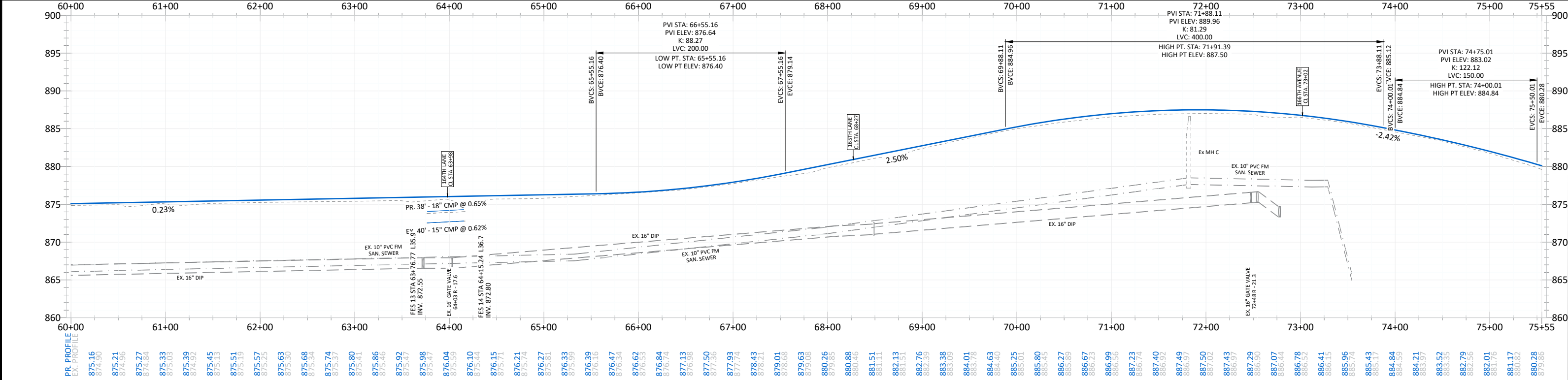


**LEGEND**

--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--- STORM SEWER	--- SANITARY SEWER FORCEMAIN	--- HYDRANT
--- EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	--- STORM DRAIN TILE	--- CATCH BASIN	--- WM VALVE
--- EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	--- FLARED END SECTION	
--- EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	--- SANITARY MANHOLE	
	PR. BITUMINOUS TRAIL			
	PR. CONCRETE WALK			
	PR. B618 CONCRETE C&G			

**GENERAL NOTES:**

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3. PEDESTRIAN RAMP DETAILS SEE SHEET 08.
4. MNDOT STANDARD PEDESTRIAN RAMP PLANS SHEETS 10 TO 15.



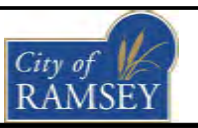
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JOE FERIANECK  
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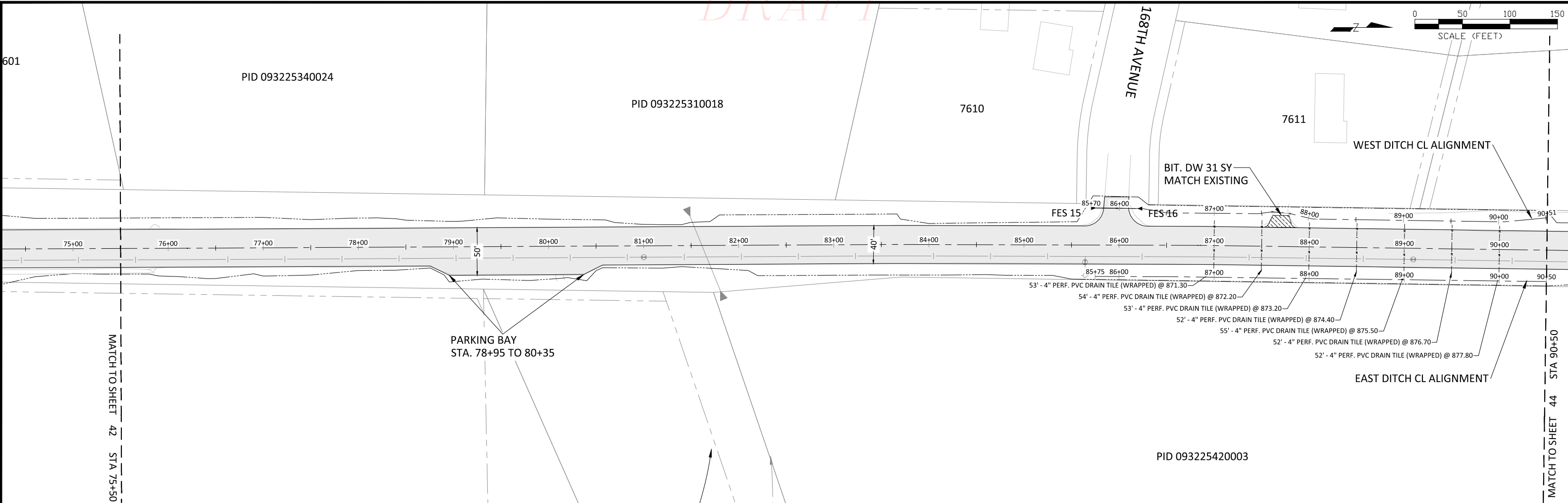
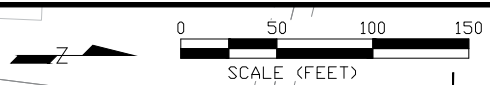
**CITY OF RAMSEY**  
7550 SUNWOOD DRIVE  
RAMSEY, MN 55303  
(763) 427-1410 FAX (763) 433-9898

**STREET & STORM STA. 60+00 TO 75+00**

S.A.P. 199-101-012

**VARIOLITE STREET RECONSTRUCTION**  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



**LEGEND**

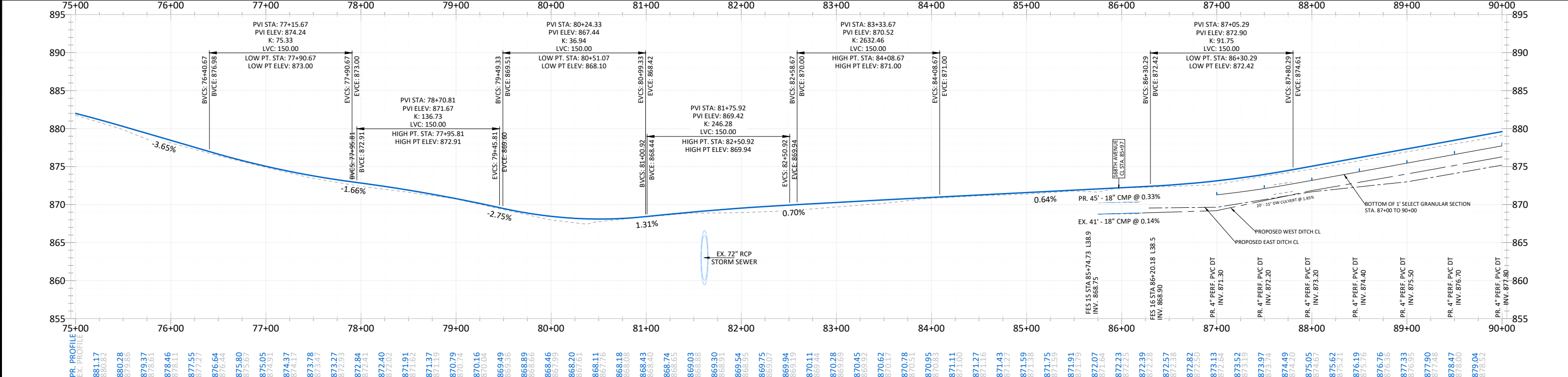
--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--- STORM SEWER	--- SANITARY SEWER FORCEMAIN	HYDRANT
--- EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	-DT-> STORM DRAINTILE	CATCH BASIN	WM VALVE
--- EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	FLARED END SECTION	
--- EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	SANITARY MANHOLE	
	PR. BITUMINOUS TRAIL			
	PR. CONCRETE WALK			
	PR. B618 CONCRETE C&G			

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**NOTE:**

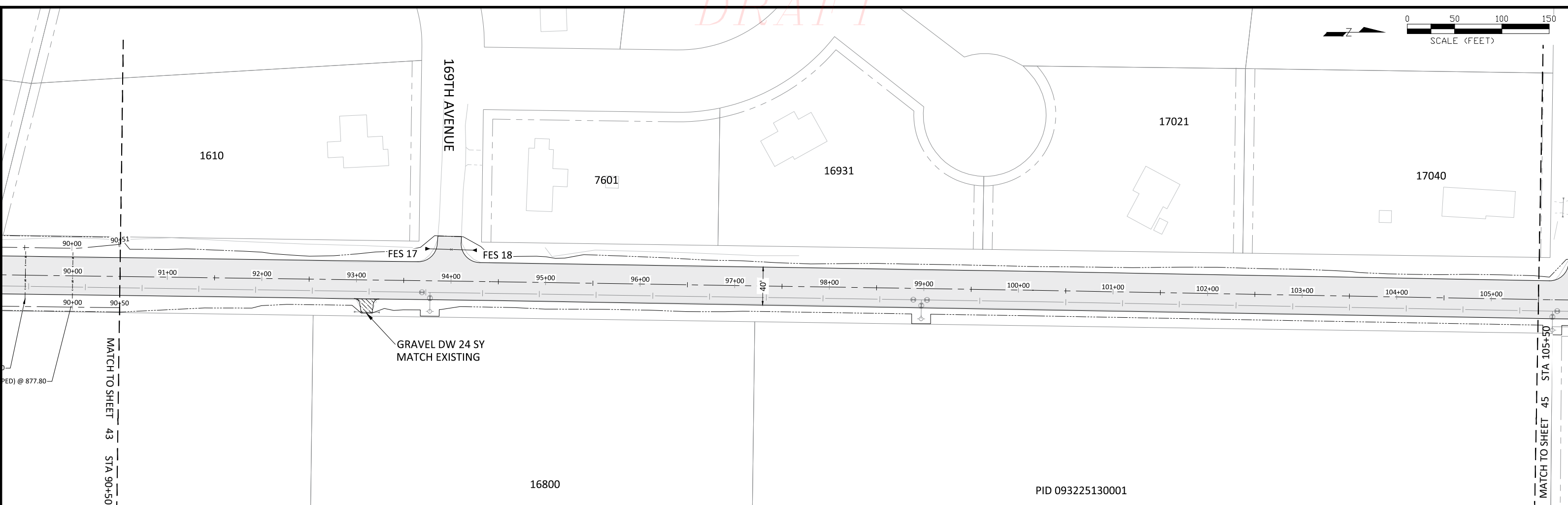
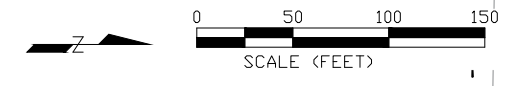
- 4" PERFORATED DRAIN TILE W/4" PRECAST CONCRETE HEADWALL PLACE AT 50' INTERVALS STA. 87+00 TO 90+00.
- DAYLIGHT MIN. 1' ABOVE DITCH BOTTOM.
- SEE DETAIL SHEET 08.
- STA. 86+00 TO 90+50 REGRADE DITCH.



DATE	REVISION	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota	DESIGNED BY: JJF	<p>CITY OF RAMSEY 7550 SUNWOOD DRIVE RAMSEY, MN 55303 (763) 427-1410 FAX (763) 433-9898</p>	STREET & STORM STA. 75+00 TO 90+00	<p>VARIOLITE STREET RECONSTRUCTION CITY PROJECT NO. 20-01 CITY OF RAMSEY, MINNESOTA</p>	<p>SHEET 43 OF 93 SHEETS</p>	
			DRAWN BY: JJF					DATE: 5/5/20
			CHECKED BY: BRW					FILE: 20-01

JOE FERIANECK  
Date XX/XX/XX Lic. No. 57095

DRAFT

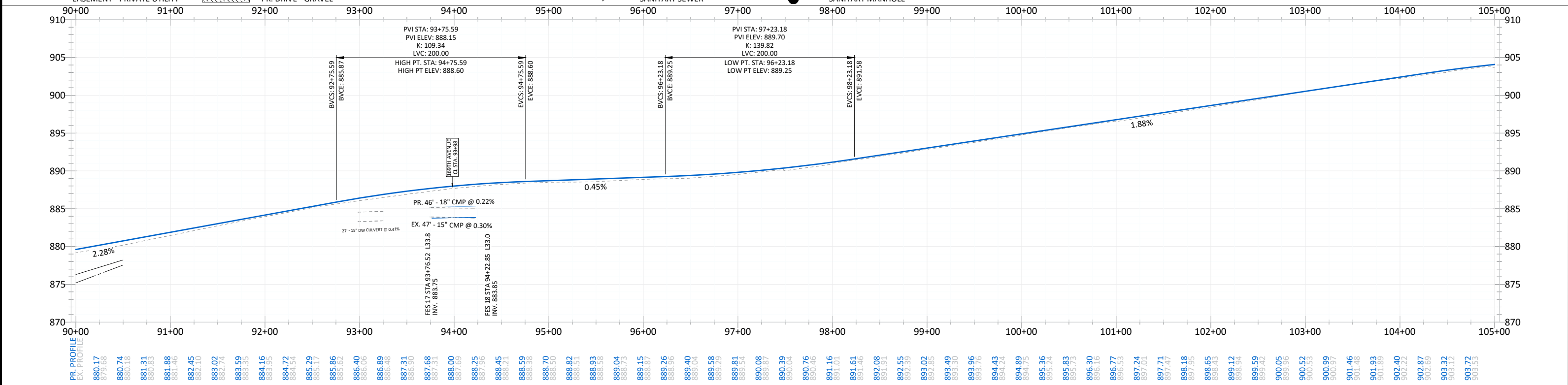


**LEGEND**

--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--->> STORM SEWER	--- SANITARY SEWER FORCEMAIN
- - - EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	-DT-> STORM DRAINTILE	--- CATCH BASIN
- - - EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	--- FLARED END SECTION
- - - EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	--- SANITARY MANHOLE
	PR. BITUMINOUS TRAIL		--- HYDRANT
	PR. CONCRETE WALK		--- WM VALVE
	PR. B618 CONCRETE C&G		

**GENERAL NOTES:**

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4. MNDOT STANDARD PEDESTRIAN RAMP PLANS SHEETS 10 TO 15.

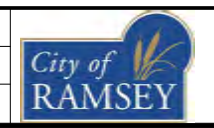


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JOE FERIANCEK  
Date XX/XX/XX Lic. No. 57095

DESIGNED BY: JJF  
DRAWN BY: JJF DATE: 5/5/20  
CHECKED BY: BRW FILE: 20-01

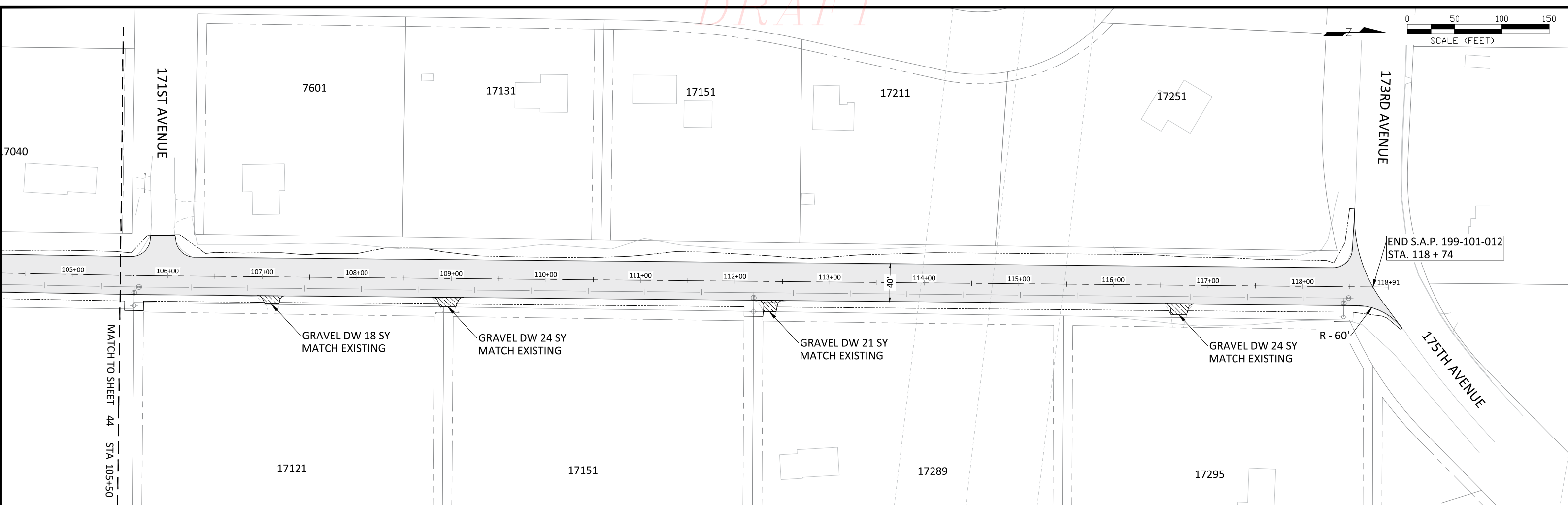
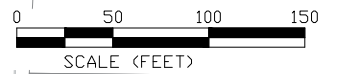


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STREET & STORM STA. 90+00 TO 105+00  
S.A.P. 199-101-012

VARIOLITE STREET RECONSTRUCTION  
CITY PROJECT NO. 20-01  
CITY OF RAMSEY, MINNESOTA

DRAFT



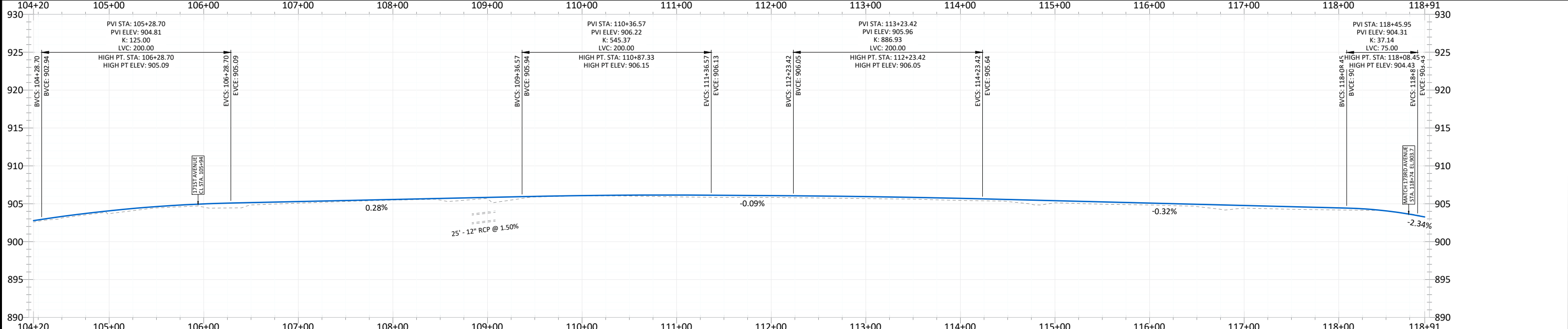
END S.A.P. 199-101-012  
STA. 118 + 74

**LEGEND**

--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--->> STORM SEWER	○ HYDRANT
- - - EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	-DT-> STORM DRAINTILE	⊗ WM VALVE
- - - EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	■ CATCH BASIN
- - - EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	▲ FLARED END SECTION
	PR. BITUMINOUS TRAIL		● SANITARY MANHOLE
	PR. CONCRETE WALK		
	PR. B618 CONCRETE C&G		

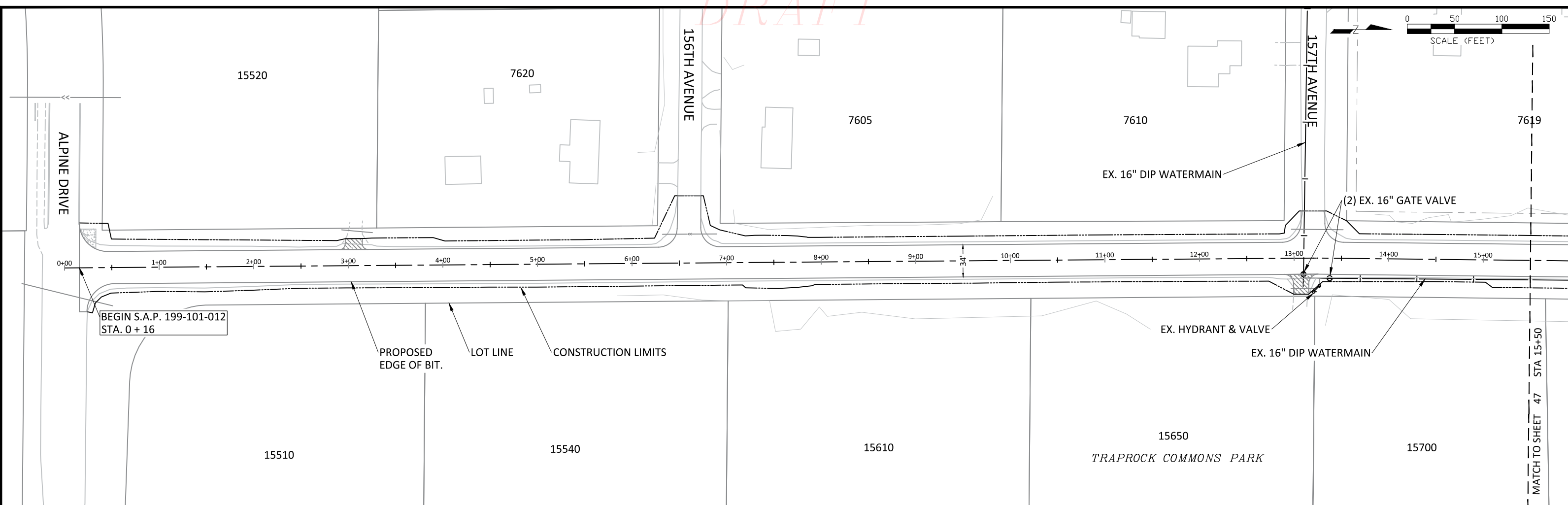
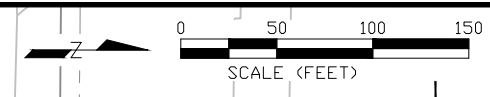
**GENERAL NOTES:**

1. ALL RADII TO BE CONSTRUCTION AT 20', UNLESS OTHERWISE NOTED.
2. TYPICAL SECTIONS SEE SHEET 07.
3. PEDESTRIAN RAMP DETAILS SEE SHEET 08.
4. MNDOT STANDARD PEDESTRIAN RAMP PLANS SHEETS 10 TO 15.



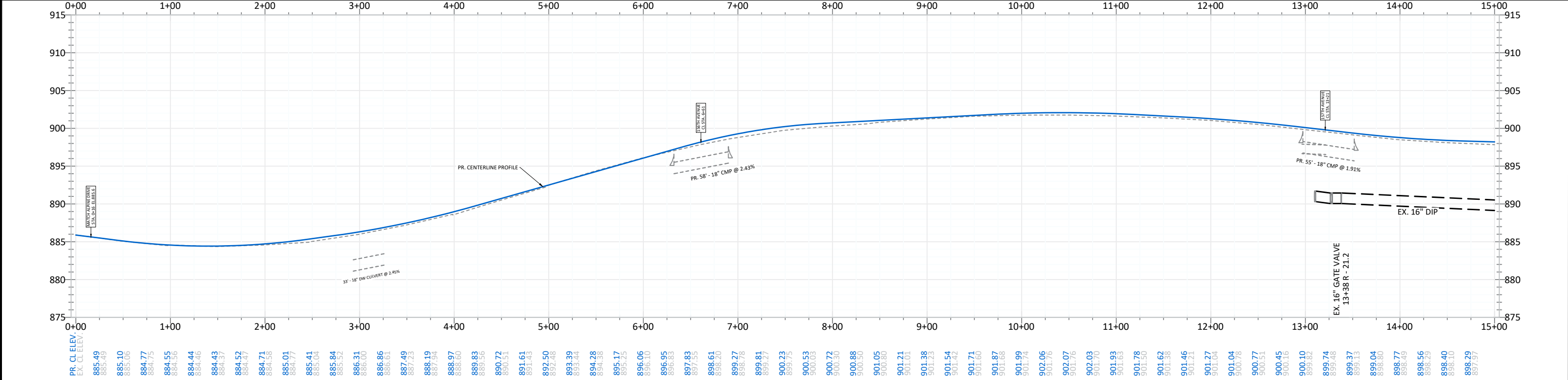
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54.42	954.49	954.56	954.63	954.70	954.77	954.84	954.91	954.98	955.05	955.12	955.19	955.26	955.33	955.40	955.47	955.54	955.61	955.68	955.75	955.82	955.89	955.96	956.03	956.10	956.17	956.24	956.31	956.38	956.45	956.52	956.59	956.66	956.73	956.80	956.87	956.94	957.01	957.08	957.15	957.22	957.29	957.36	957.43	957.50	957.57	957.64	957.71	957.78	957.85	957.92	957.99	958.06	958.13	958.20	958.27	958.34	958.41	958.48	958.55	958.62	958.69	958.76	958.83	958.90	958.97	959.04	959.11	959.18	959.25	959.32	959.39	959.46	959.53	959.60	959.67	959.74	959.81	959.88	959.95	960.02	960.09	960.16	960.23	960.30	960.37	960.44	960.51	960.58	960.65	960.72	960.79	960.86	960.93	961.00	961.07	961.14	961.21	961.28	961.35	961.42	961.49	961.56	961.63	961.70	961.77	961.84	961.91	961.98	962.05	962.12	962.19	962.26	962.33	962.40	962.47	962.54	962.61	962.68	962.75	962.82	962.89	962.96	963.03	963.10	963.17	963.24	963.31	963.38	963.45	963.52	963.59	963.66	963.73	963.80	963.87	963.94	964.01	964.08	964.15	964.22	964.29	964.36	964.43	964.50	964.57	964.64	964.71	964.78	964.85	964.92	964.99	965.06	965.13	965.20	965.27	965.34	965.41	965.48	965.55	965.62	965.69	965.76	965.83	965.90	965.97	966.04	966.11	966.18	966.25	966.32	966.39	966.46	966.53	966.60	966.67	966.74	966.81	966.88	966.95	967.02	967.09	967.16	967.23	967.30	967.37	967.44	967.51	967.58	967.65	967.72	967.79	967.86	967.93	968.00	968.07	968.14	968.21	968.28	968.35	968.42	968.49	968.56	968.63	968.70	968.77	968.84	968.91	968.98	969.05	969.12	969.19	969.26	969.33	969.40	969.47	969.54	969.61	969.68	969.75
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DRAFT



**LEGEND**

--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--->> STORM SEWER	--- SANITARY SEWER FORCEMAIN	○ HYDRANT
--- EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	---DT--- STORM DRAINTILE	■ CATCH BASIN	⊗ WM VALVE
--- EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	▲ FLARED END SECTION	
--- EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	● SANITARY MANHOLE	
	PR. BITUMINOUS TRAIL			
	PR. CONCRETE WALK			
	PR. B618 CONCRETE C&G			



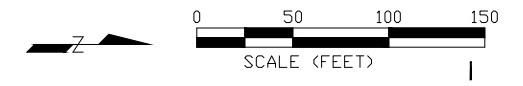
DATE	REVISION	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota	DESIGNED BY: JJF	<p>CITY OF RAMSEY 7550 SUNWOOD DRIVE RAMSEY, MN 55303 (763) 427-1410 FAX (763) 433-9898</p>	<p>SANITARY SEWER &amp; WATERMAIN STA. 0+00 TO 15+00 S.A.P. 199-101-012</p>	<p>VARIOLITE STREET RECONSTRUCTION CITY PROJECT NO. 20-01 CITY OF RAMSEY, MINNESOTA</p>	<p>SHEET 46 OF 93 SHEETS</p>	
			DRAWN BY: JJF					DATE: 5/5/20
			CHECKED BY: BRW					FILE: 20-01

Min. St. 2007 224pm  
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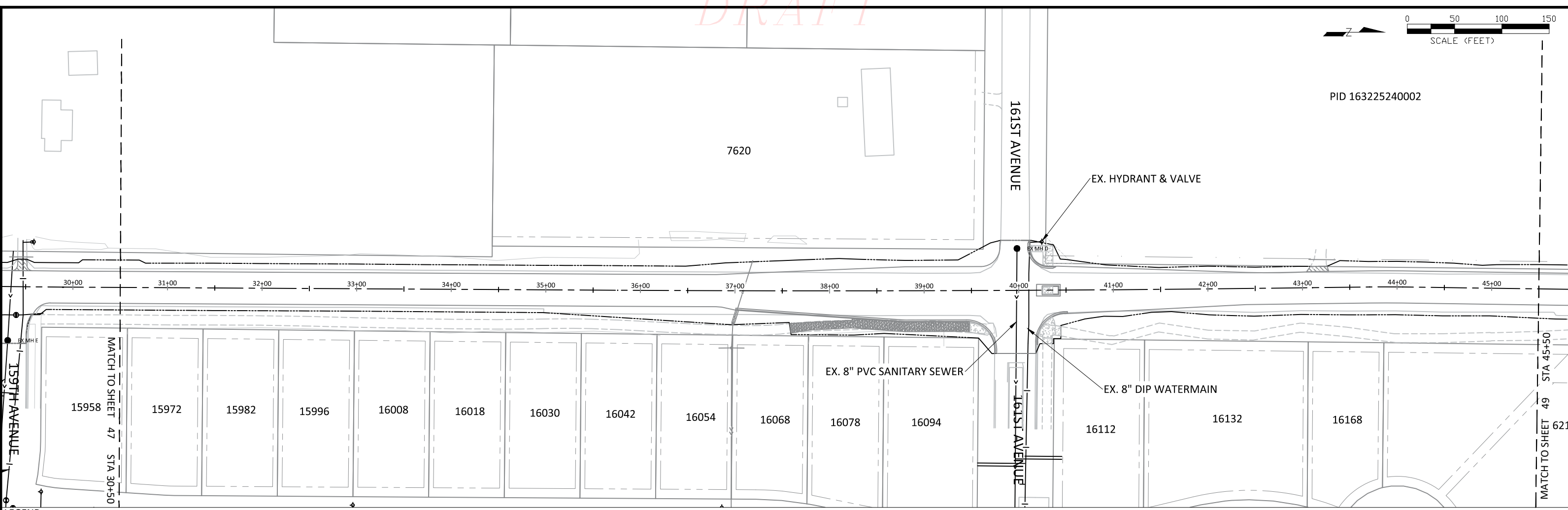
JOE FERIANCEK  
Date XX/XX/XX Lic. No. 57095



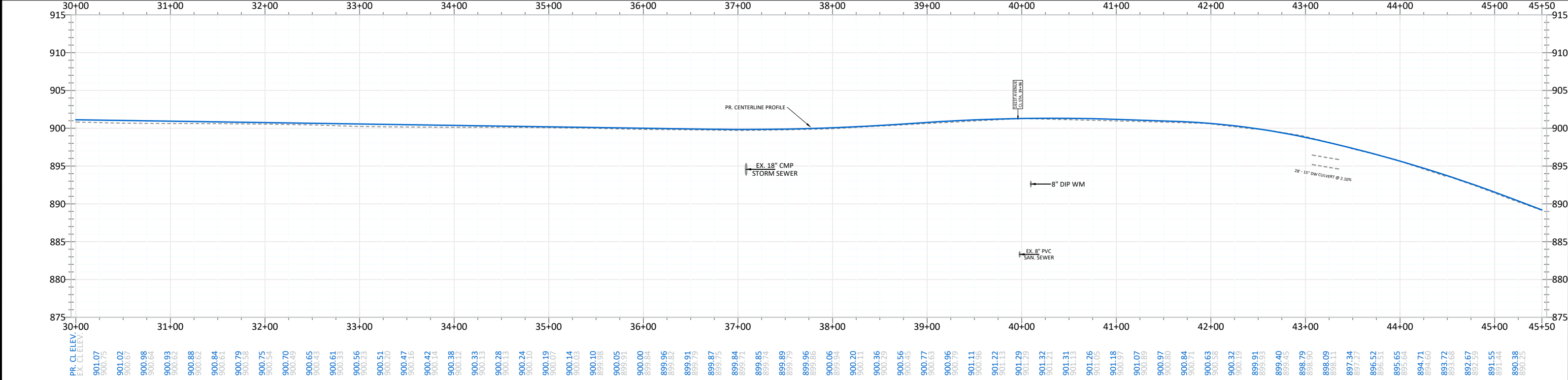
DRAFT



PID 163225240002



--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--->> STORM SEWER	--- SANITARY SEWER FORCEMAIN	⊙ HYDRANT
- - - EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	-DT-> STORM DRAINTILE	▣ CATCH BASIN	⊗ WM VALVE
- - - EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	▵ FLARED END SECTION	
- - - EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	● SANITARY MANHOLE	

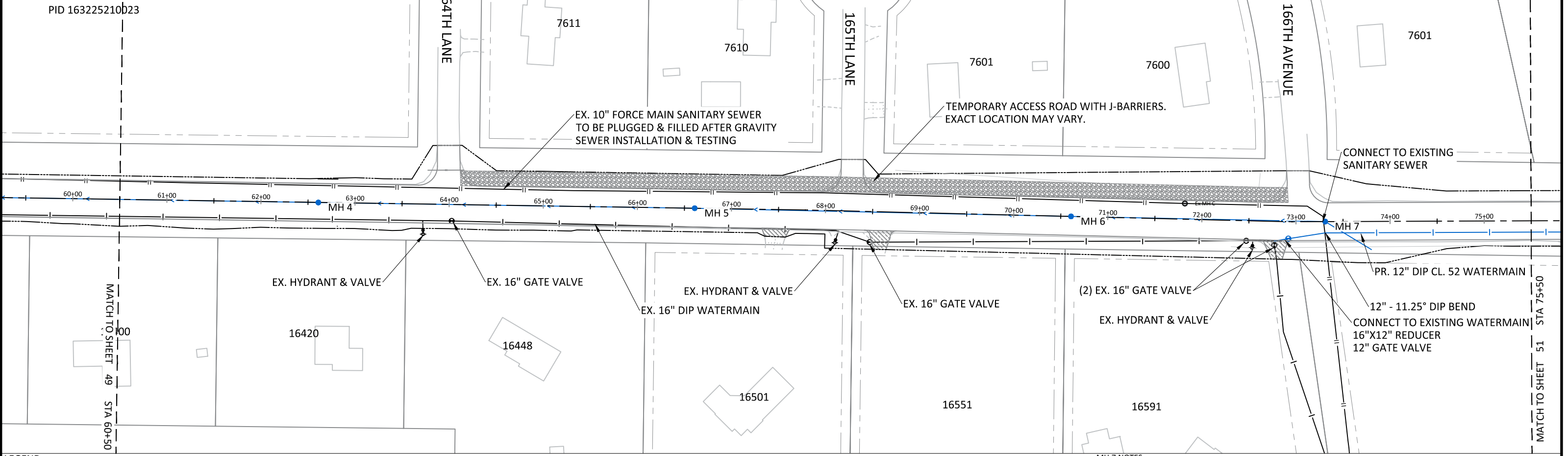
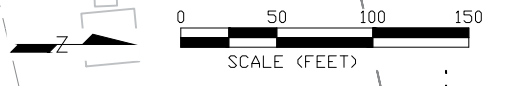


DATE	REVISION	I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota	DESIGNED BY: JJF	<p>CITY OF RAMSEY 7550 SUNWOOD DRIVE RAMSEY, MN 55303 (763) 427-1410 FAX (763) 433-9898</p>	<p>SANITARY SEWER &amp; WATERMAIN STA. 30+00 TO 45+00 S.A.P. 199-101-012</p>	<p>VARIOLITE STREET RECONSTRUCTION CITY PROJECT NO. 20-01 CITY OF RAMSEY, MINNESOTA</p>	<p>SHEET 48 OF 93 SHEETS</p>	
			DRAWN BY: JJF					DATE: 5/5/20
			CHECKED BY: BRW					FILE: 20-01

JOE FERIANCEK  
 Date XX/XX/XX Lic. No. 57095



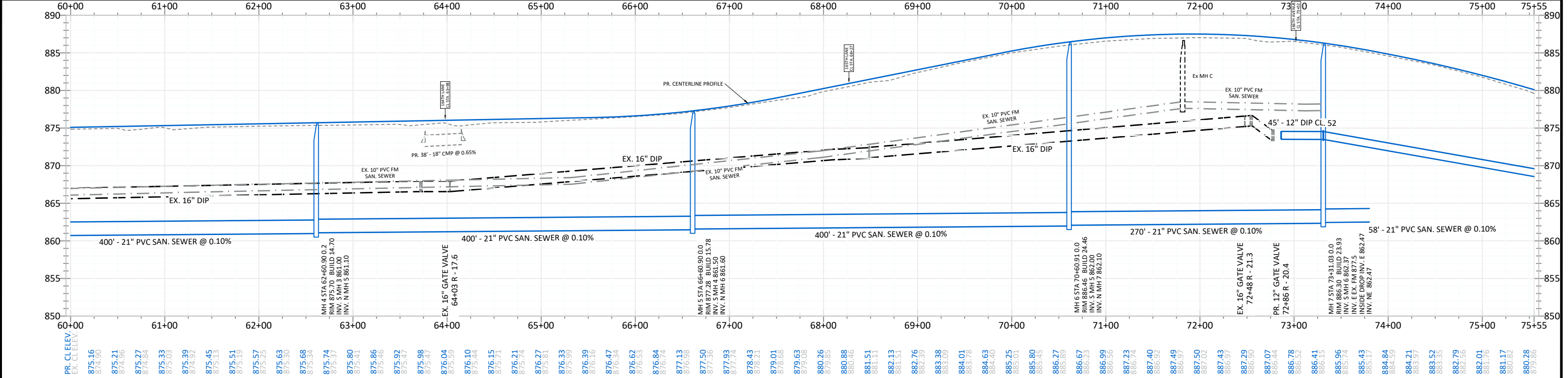
DRAFT



**LEGEND**

--- CONSTRUCTION LIMIT	PR. BITUMINOUS PAVEMENT	--- STORM SEWER	--- SANITARY SEWER FORCEMAIN	○ HYDRANT
- - - EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	-DT-> STORM DRAIN TILE	--- CATCH BASIN	⊗ WM VALVE
- - - EASEMENT - ROADWAY	PR. DRIVE - CONCRETE	--- WATERMAIN	--- FLARED END SECTION	
- - - EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL	--- SANITARY SEWER	--- SANITARY MANHOLE	
	PR. BITUMINOUS TRAIL			
	PR. CONCRETE WALK			
	PR. B618 CONCRETE C&G			

**MH 7 NOTES:**  
 1. DIAMETER = 60 INCHES.  
 2. EPOXY COAT INSIDE OF MANHOLE.  
 3. INSIDE DROP BOWL SHALL BE OVERSIZED TO 15" SIZE BOWL AND SHALL INCLUDE BOWL HOOD.



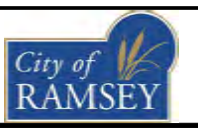
DATE	REVISION

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JOE FERIANECK  
 Date XX/XX/XX Lic. No. 57095

DESIGNED BY: JJF  
 DRAWN BY: JJF  
 CHECKED BY: BRW

DATE: 5/5/20  
 FILE: 20-01

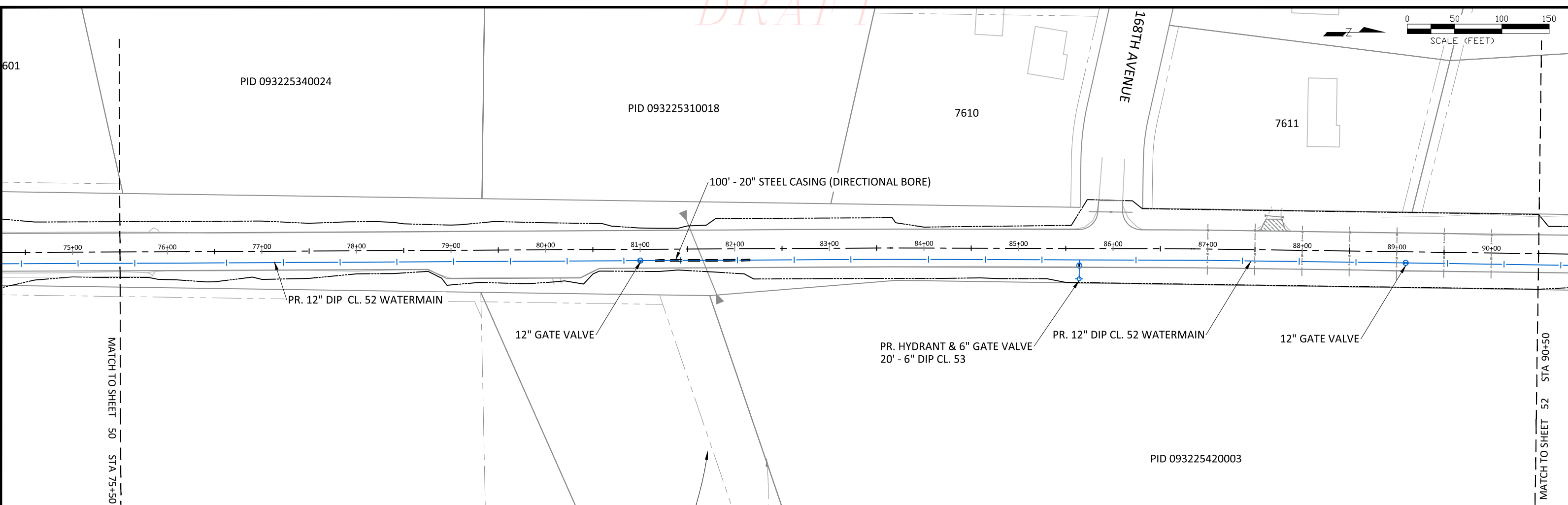
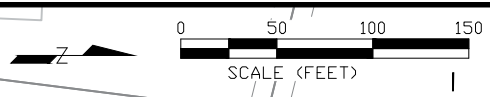


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 7550 SUNWOOD DRIVE  
 RAMSEY, MN 55303  
 (763) 427-1410 FAX (763) 433-9898

**SANITARY SEWER & WATERMAIN**  
 STA. 60+00 TO 75+00  
 S.A.P. 199-101-012

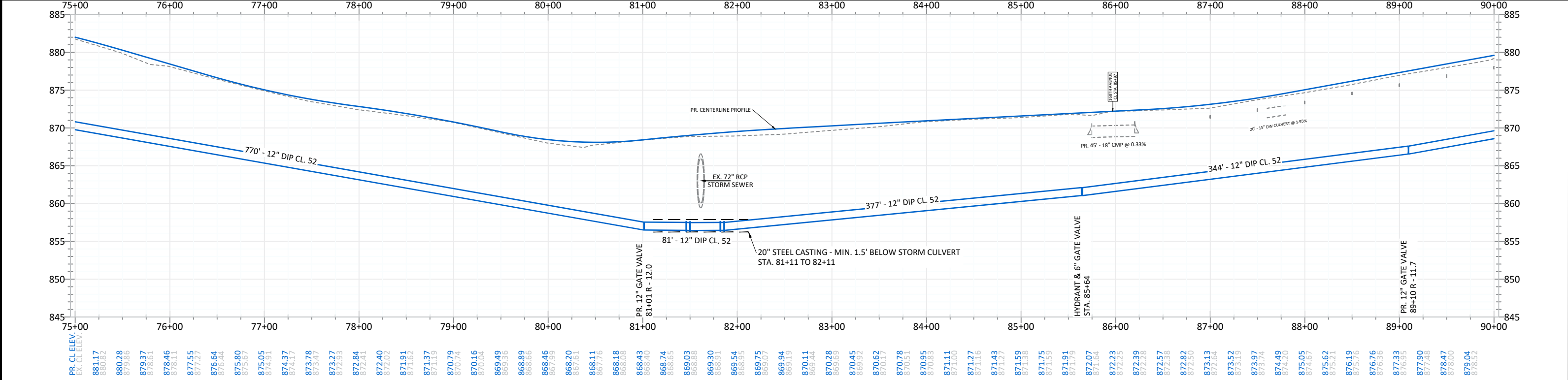
**VARIOLITE STREET RECONSTRUCTION**  
 CITY PROJECT NO. 20-01  
 CITY OF RAMSEY, MINNESOTA

DRAFT



**LEGEND**

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--- EASEMENT - DRAINAGE & UTILITY	PR. DRIVE - BITUMINOUS	PR. CONCRETE WALK	---DT--- STORM DRAINTILE	■ CATCH BASIN	⊗ WM VALVE
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--- EASEMENT - PRIVATE UTILITY	PR. DRIVE - GRAVEL		--- SANITARY SEWER	● SANITARY MANHOLE	

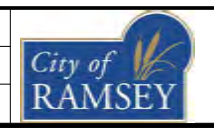


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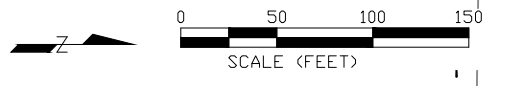


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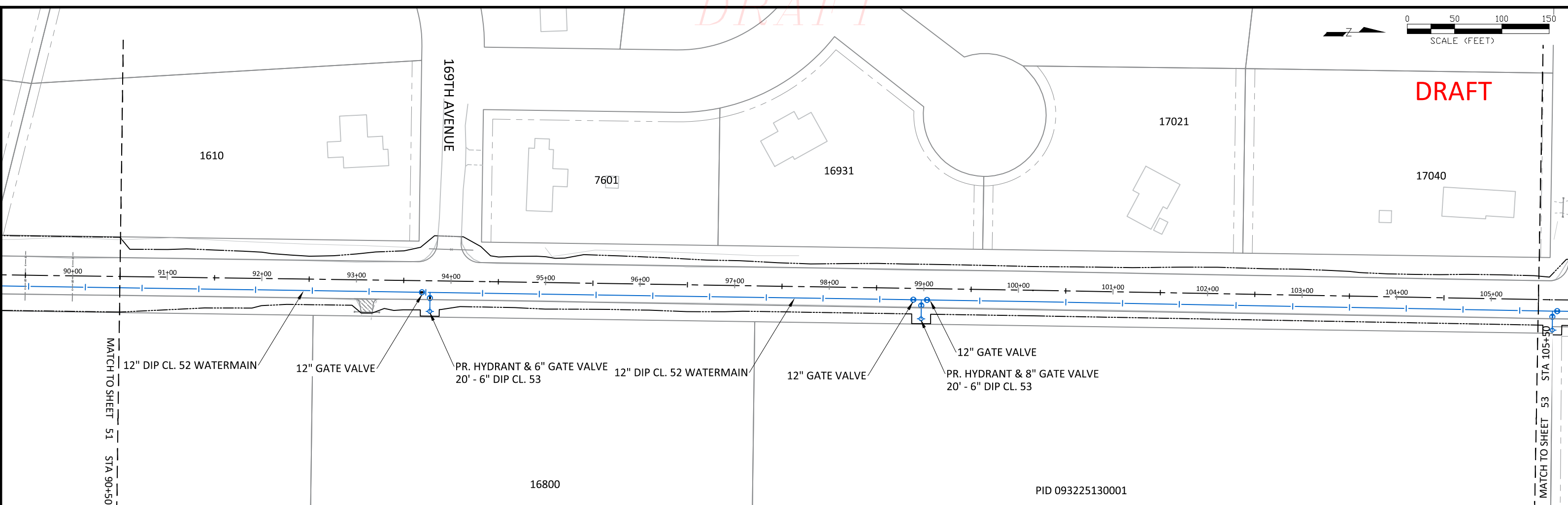
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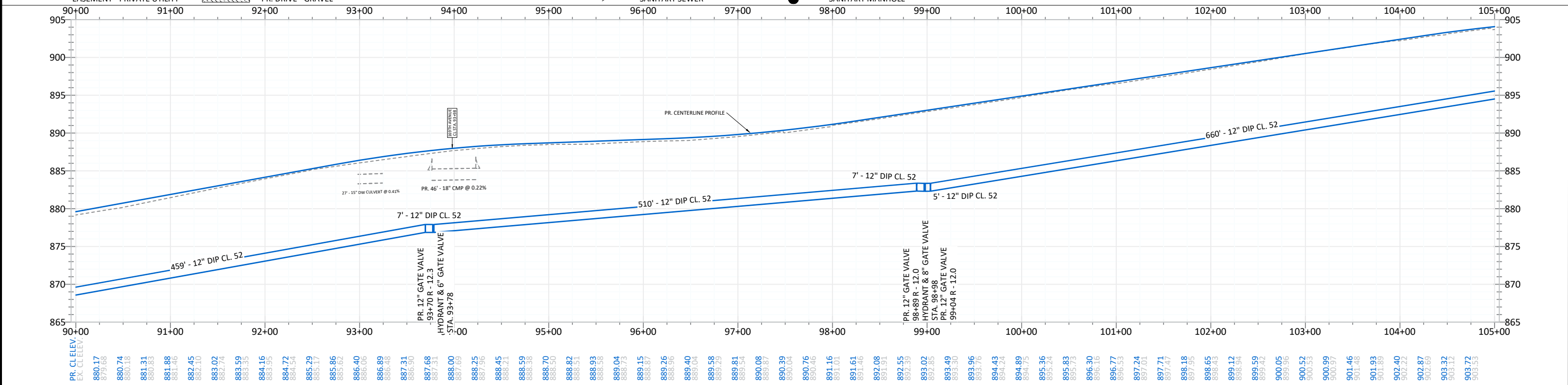


DRAFT



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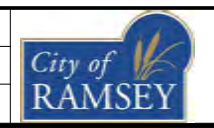
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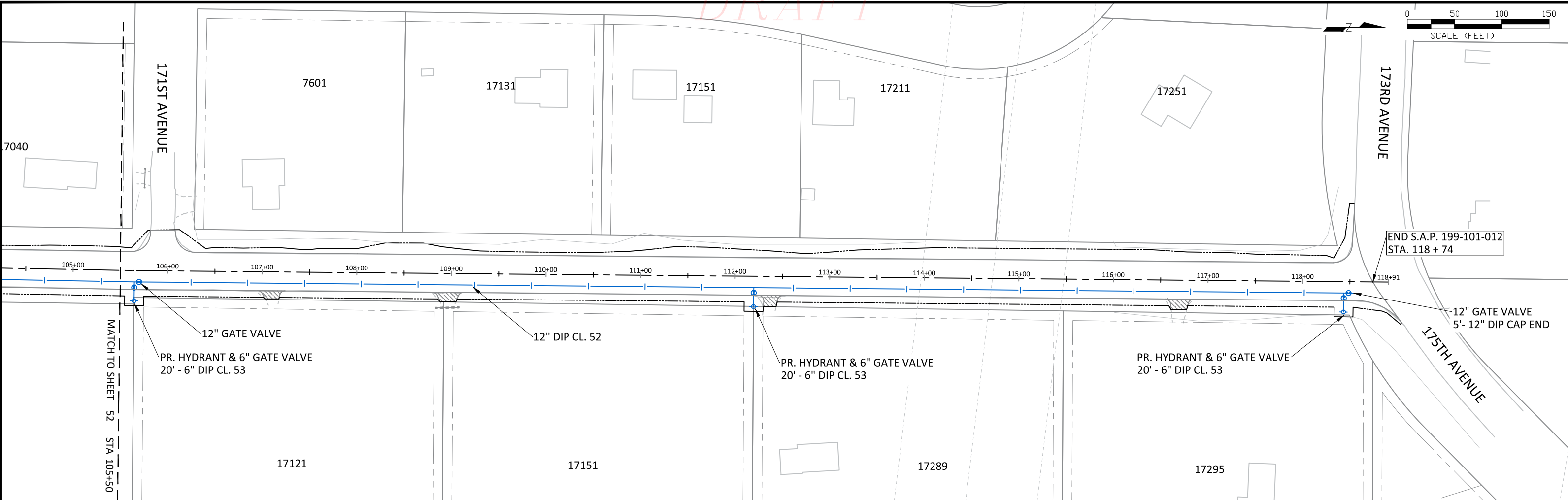
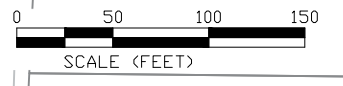


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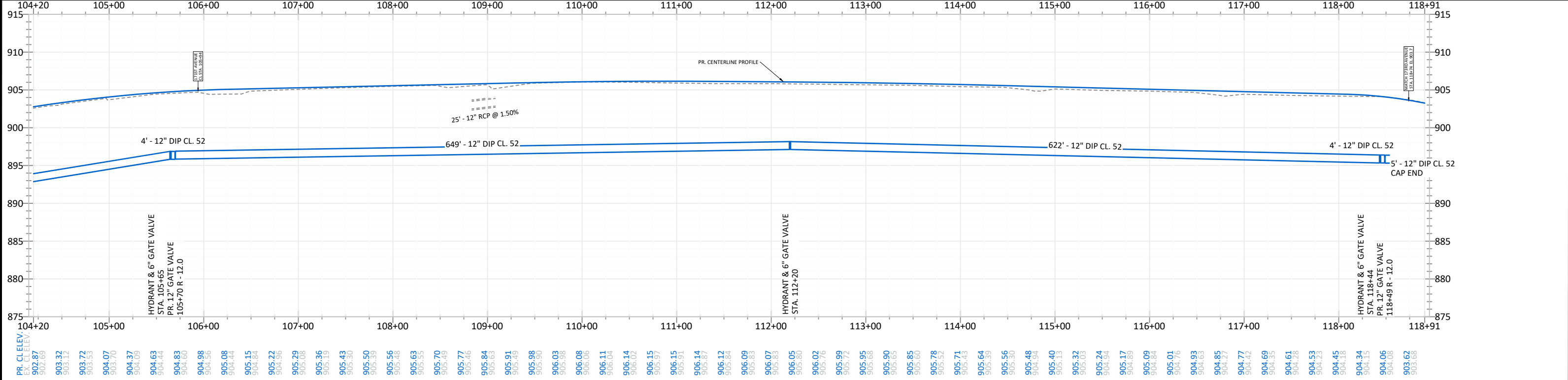
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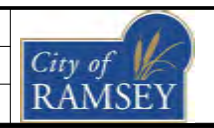


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