

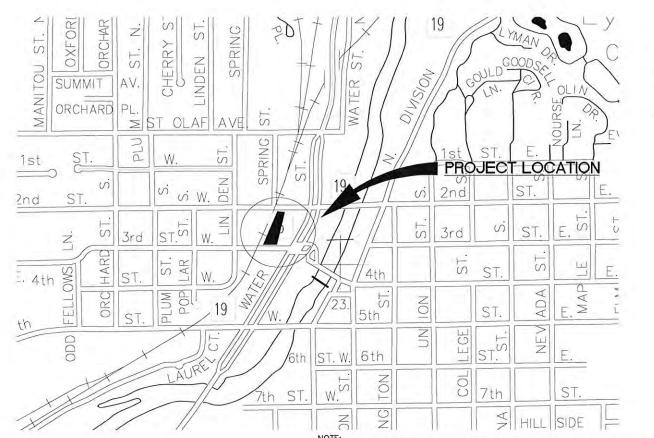
## **BIDDING DOCUMENTS** NORTHFIELD, MINNESOTA

### CONSTRUCTION PLANS FOR

SIDEWALK, PARKING LOT AND STALLS, AND CONCRETE **CURB AND GUTTER** 

### HISTORIC DEPOT AND TRANSIT HUB **IMPROVEMENTS**

CITY PROJECT NO.XXXX



THE SUBSURFACE UTILITY QUALITY INFORMATION IN THIS PLAN IS LEVEL D. THIS UTILITY 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."

THE CONTRACTOR SHALL CALL THE GOPHER STATE ONE CALL SYSTEM AT 811 BEFORE COMMENCING EXCAVATION.



#### GOVERNING SPECIFICATIONS

THE 2016 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION"
SHALL GOVERN EXCEPT AS MODIFIED BY THE SPECIFICATIONS FOR
THIS PROJECT.

#### **INDEX**

### SHEET NO. DESCRIPTION TITLE SHEET EXISTING CONDITIONS, REMOVALS, AND ESTIMATED QUANTITIES

TYPICAL SECTIONS DETAILS

SITE, SIGNING AND STRIPING PLAN SITE PLAN SPOT ELEVATIONS PROPOSED UTILITIES

PLAN AND PROFILE CROSS SECTIONS LIGHTING DETAILS

THIS PLAN CONTAINS 13 SHEETS.









PHONE: 952.912.2600
10901 RED CIRCLE DRIVE #300
MINNETONKA, MN 55343-9302
www.sehinc.com

Wayne Ateal

6/11/2019

FILE NO. NF140077

#### GENERAL NOTES

- ALL EXISTING DRIVEWAYS, STREET SURFACING, SIDEWALKS, AND CURB AND GUTTER SHALL BE REMOVED TO THE REMOVAL LIMITS MARKED IN THE FIELD BY THE ENGINEER UNLESS OTHERWISE NOTED ON THE PLANS. ALL CONCRETE AND BITUMINOUS SHALL BE SAW CUT PRIOR TO REMOVING ALL CONCRETE TO BE SAW CUT TO THE NEAREST JOINT. ALL SAW CUTS SHALL BE INCIDENTAL TO
- 2. THE CONTRACTOR SHALL PROVIDE AND PLACE TRAFFIC CONTROL SIGNAGE FOR WORK WITHIN 2ND STREET AND 3RD STREET AND ALSO FOR ANY SIDEWALK CLOSURES. CONTRACTOR TO PROVIDE TRAFFIC CONTROL PLAN TO ENGINEER FOR APPROVAL MINIMUM 7 DAYS BEFORE BEGINNING WORK.
- 3. THE CONTRACTOR SHALL PROTECT THE EXISTING SANITARY SEWER AND WATER SERVICES TO THE HISTORIC NORTHFIELD DEPOT.
- 4. THE CONTRACTOR SHALL STRICTLY CONFINE ALL CONSTRUCTION ACTIVITIES TO THE CONSTRUCTION
- 5. ALL KNOWN UTILITIES ARE SHOWN ON THE PLAN, ADDITIONAL UTILITIES MAY BE PRESENT WITHIN THE CONSTRUCTION LIMITS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO LOCATE AND PROTECT
- 6. RETAINING WALL LOCATION AND HEIGHT WILL BE DETERMINED IN THE FIELD BY THE ENGINEER. SEE CROSS SECTIONS FOR APPROXIMATE WALL HEIGHT.
- THE CONTRACTOR SHALL VERIFY ALL WATER MAIN, STORM, AND SANITARY THAT CONNECT TO EXISTING LOCATIONS AND ELEVATIONS PRIOR TO CONNECTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DEVIATIONS FROM PLAN. NO ADDITIONAL COMPENSATION SHALL BE GIVEN FOR ELEVATION AND/OR LOCATION CHANGES, EXCEPT THAT ADDITIONAL LENGTHS SHALL BE PAID AT UNIT BID PRICES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTING THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) ON THE SITE; THIS INCLUDES, BUT IS NOT LIMITED TO, ALL SILT FENCE, INLET PROTECTION, ROCK CONSTRUCTION ENTRANCES, STREET SWEEPING, ETC. CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR INSPECTING AND CLEANING ANY DEVICE RELATED TO THE SWPPP

REVISIONS

WAYNE HOULE, P.E.

Lic. No.

ALL PROPOSED CONCRETE SIDEWALK TO BE A MINIMUM 4" THICK EXCEPT AT DRIVEWAY ENTRANCES AND PEDESTRIAN RAMPS. CONCRETE SIDEWALK AT DRIVEWAY ENTRANCES AND PEDESTRIAN RAMPS TO BE A MINIMUM OF 6" THICK.

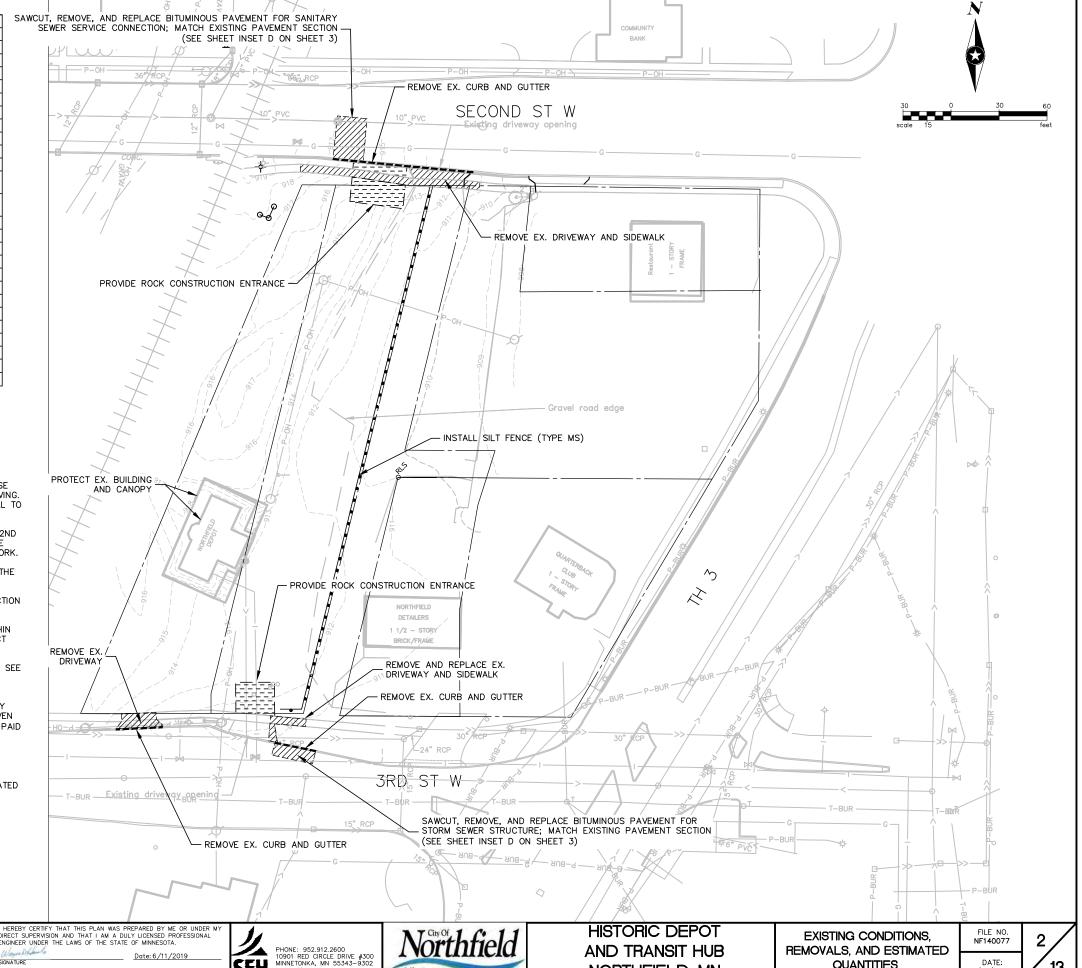
DRAWN BY:

CHECKED BY:

WH

DESIGN TEAM

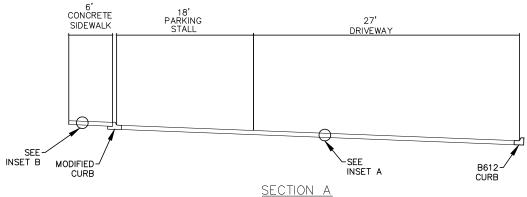
DESIGNER:



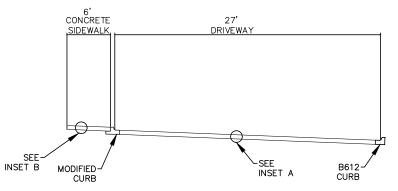
NORTHFIELD. MN

**QUANTITIES** 

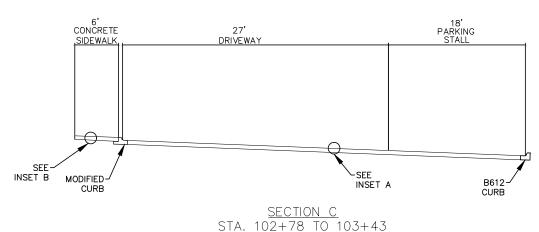
6/11/2019



STA. 100+31 TO 101+19



SECTION B STA. 101+19 TO 102+78



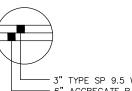


- 2" TYPE SP 9.5 WEARING COURSE (SPWEA330C) - BITUMINOUS TACK COAT APPLIED AT 0.10 GALLONS/SQ YD 2" TYPE SP 9.5 WEARING COURSE (SPWEA330C) 9" AGGREGATE BASE CLASS 5

INSET A- BITUMINOUS DRIVEWAY



INSET B- CONCRETE SIDEWALK



-3" TYPE SP 9.5 WEARING COURSE (SPWEA330C) - 6" AGGREGATE BASE CLASS 5

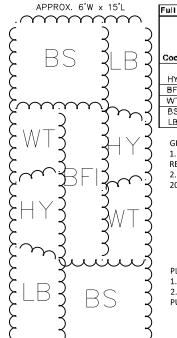
INSET C- BITUMINOUS SHARED USED PATH



- 2" TYPE SP 9.5 WEARING COURSE (SPWEA330C) - BITUMINOUS TACK COAT APPLIED AT 0.10 GALLONS/SQ YD - 2" TYPE SP 9.5 WEARING COURSE (SPWEA330C) - 9" EXISTING AGGREGATE BASE CLASS 5

INSET D- BITUMINOUS ROAD PATCH

## PERENNIAL RAIN GARDEN



Full Sun						
	Indiv Qty per					
Code	Туре	Common Name	Botanical Name	Size	Root	Spacing
		Hello Yellow Butterfly	Asclepias Tuberosa			
HY	15	Weed		#1	Cont.	1.5°O C.
BFI	21	Blueflag Iris	Iris Versicolor	#1	Cont.	1.5' O.C.
WT	14	White Turtlehead	Chelone Glabra	#1	Cont.	1.5' O.C.
BS	12	Brown Eyed Susan	Rudbeckia Triloba	#1	Cont.	1.5° O.C.
LB	12	Little Bluestem	Schizachrium Scoparium	#1	Cant.	1.5° O.C.

#### **GENERAL NOTES:**

- NO PLANT SUBSTITUTIONS WILL BE ACCEPTED UNLESS PRIOR APPROVAL IS
  REQUESTED OF THE ENGINEER BY THE CONTRACTOR PRIOR TO THE SUBMISSION OF BID.
- 2. PERENNIAL AND SHRUB RAIN GARDEN SHALL BE PLANTED BY THE CONTRACTOR IN

#### PLANTING NOTES:

- ALL PERENNIALS SHALL HAVE TRIANGULAR SPACING.
- CONTAINER GROWN PLANTS SHALL HAVE ROOTS LOOSENED AND PULLED OUT TO PREVENT PLANT FROM BECOMING ROOT BOUND.

TRANSITION FROM B612 TO - FLAT CONCRETE CURB & GUTTER PROPERTY LINE PROVIDE MNDOT 3882 MULCH MATERIAL, 1' GRASS STRIP (TYP.) PLANTING SOIL WILL CONSIST OF WELL-BLENDED HOMOGENOUS MIXTURE OF 55% CONSTRUCTION -SAND, 25% TOP SOIL, AND 20% ORGANIC LEAF COMPOST 4" PVC DRAINTILE (PERFORATED WITH SOCK) AS INDICATED ON PLANS

RAIN GARDEN/DRAINAGE SWALE

HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DRAWN BY: DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA. AB DESIGNER: WH CHECKED BY: \_\_ WAYNE HOULE, P.E. Lic. No. \_\_\_\_\_25057 DESIGN TEAM REVISIONS

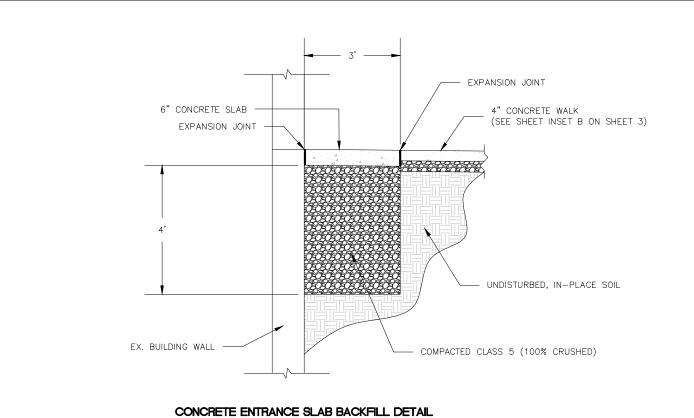


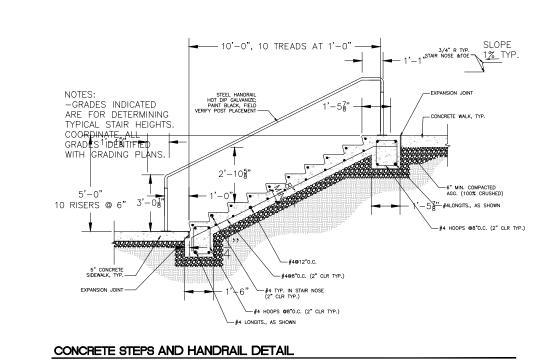
PHONE: 952.912.2600 10901 RED CIRCLE DRIVE #300 MINNETONKA, MN 55343-9302

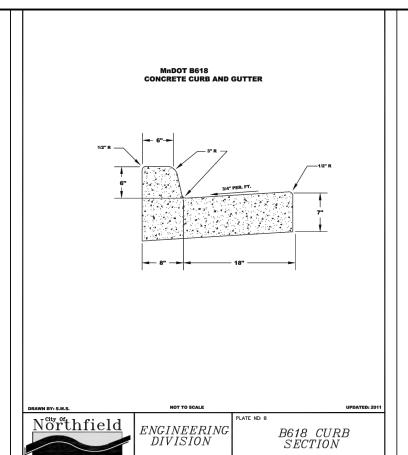
HISTORIC DEPOT AND TRANSIT HUB NORTHFIELD. MN

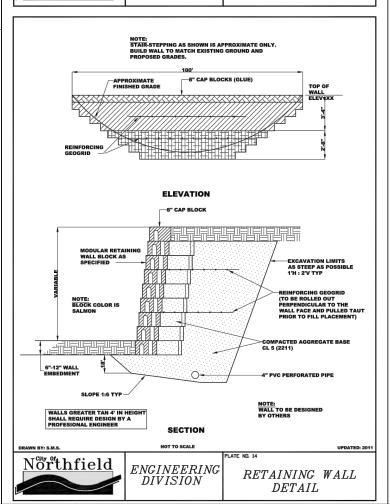
TYPICAL SECTIONS

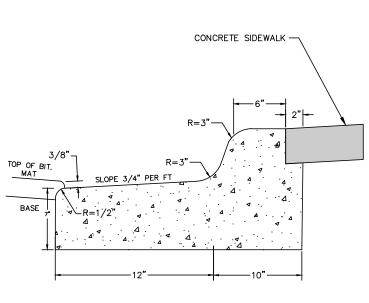
NF140077 6/11/2019



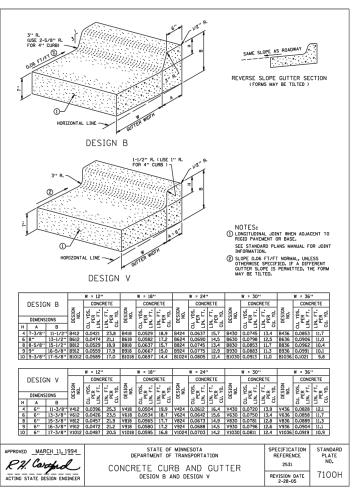








# MODIFIED CURB (TIPOUT)



DRAWN BY:

AB

DESIGNER:

AB

CHECKED BY:

DESIGN TEAM

NO. BY

DATE

AB

DESIGN TEAM

NO. BY

DATE

DESIGN TEAM

DESIG



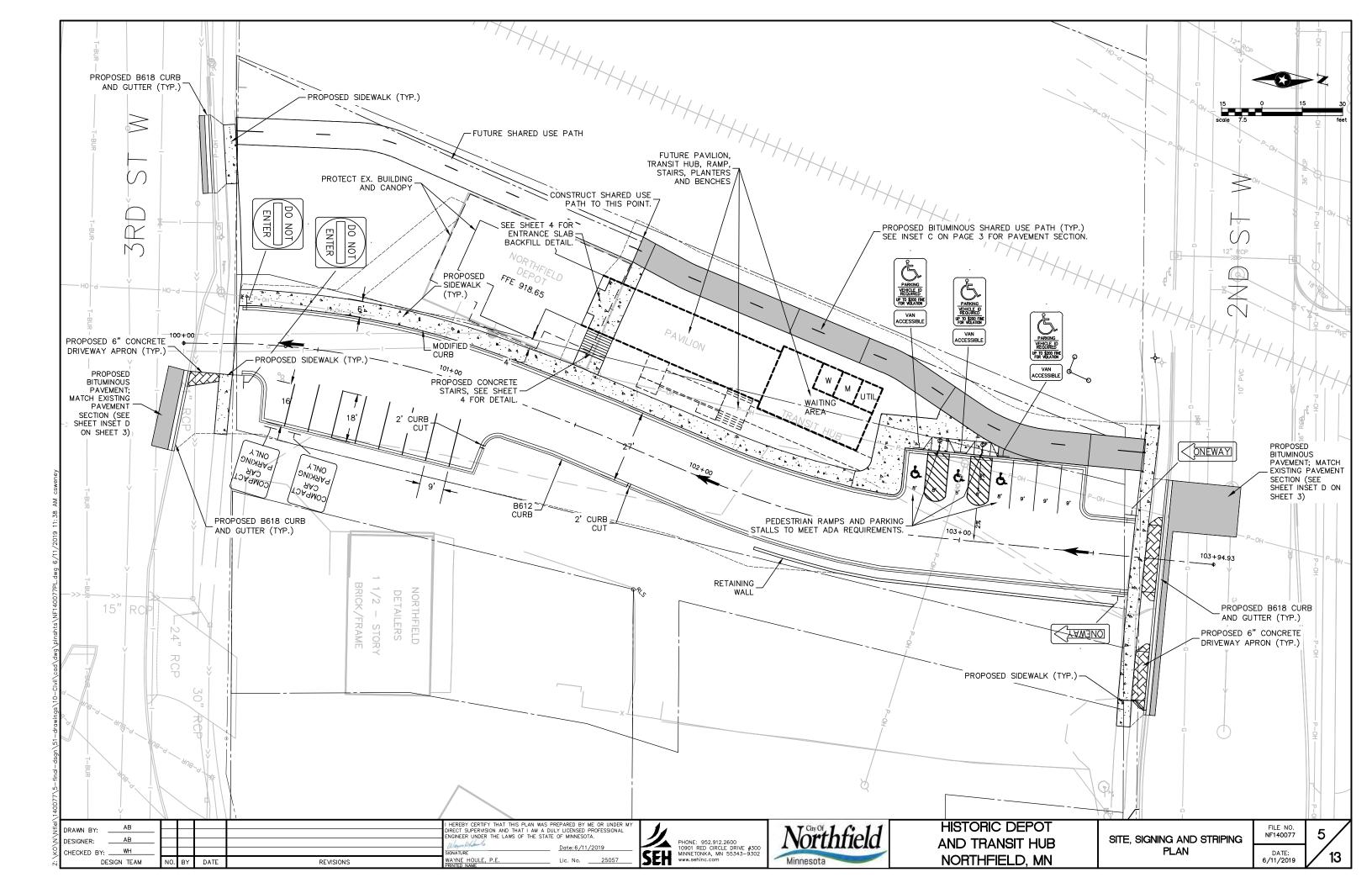
Northfield
Minnesota

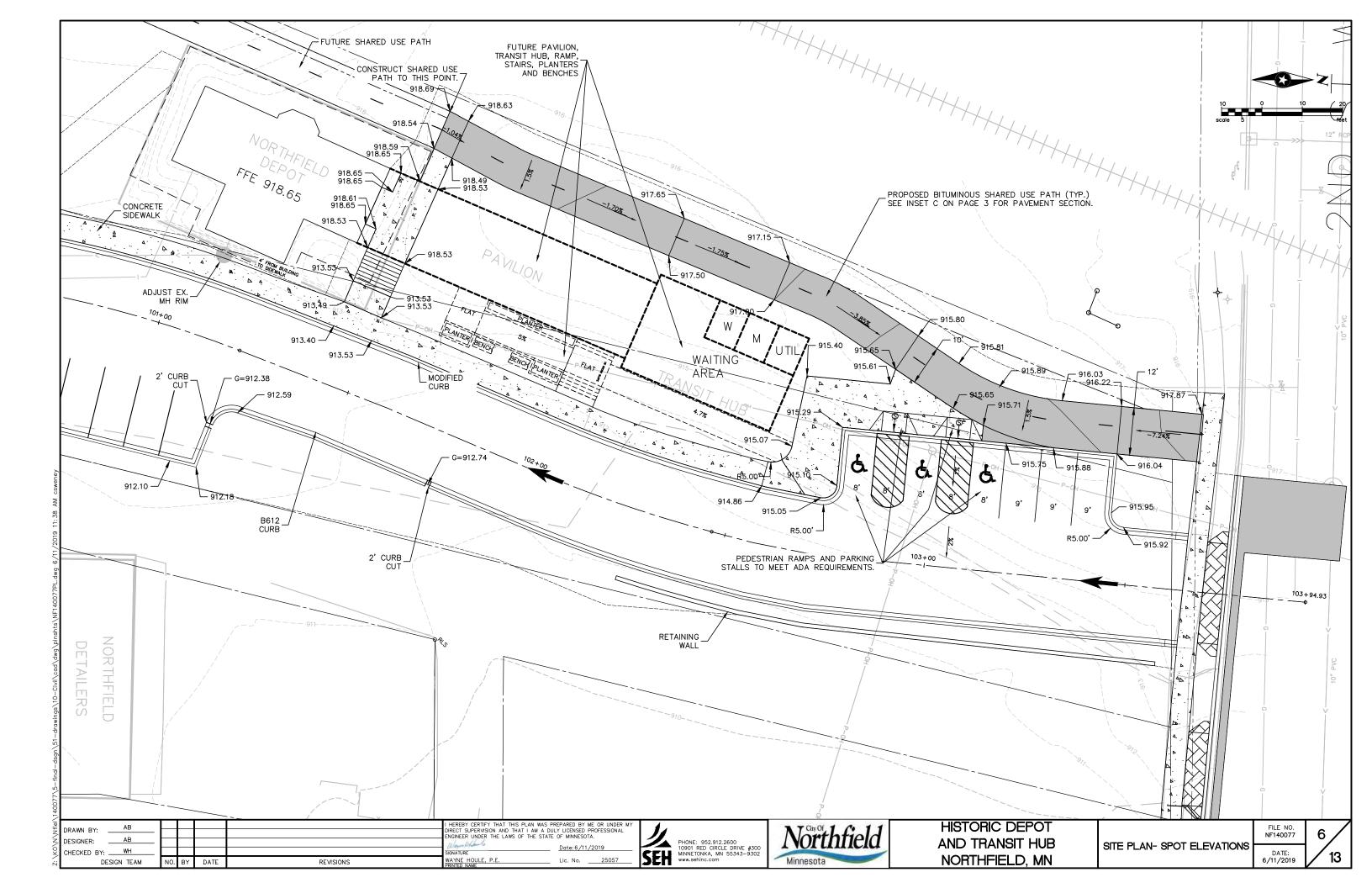
HISTORIC DEPOT AND TRANSIT HUB NORTHFIELD. MN

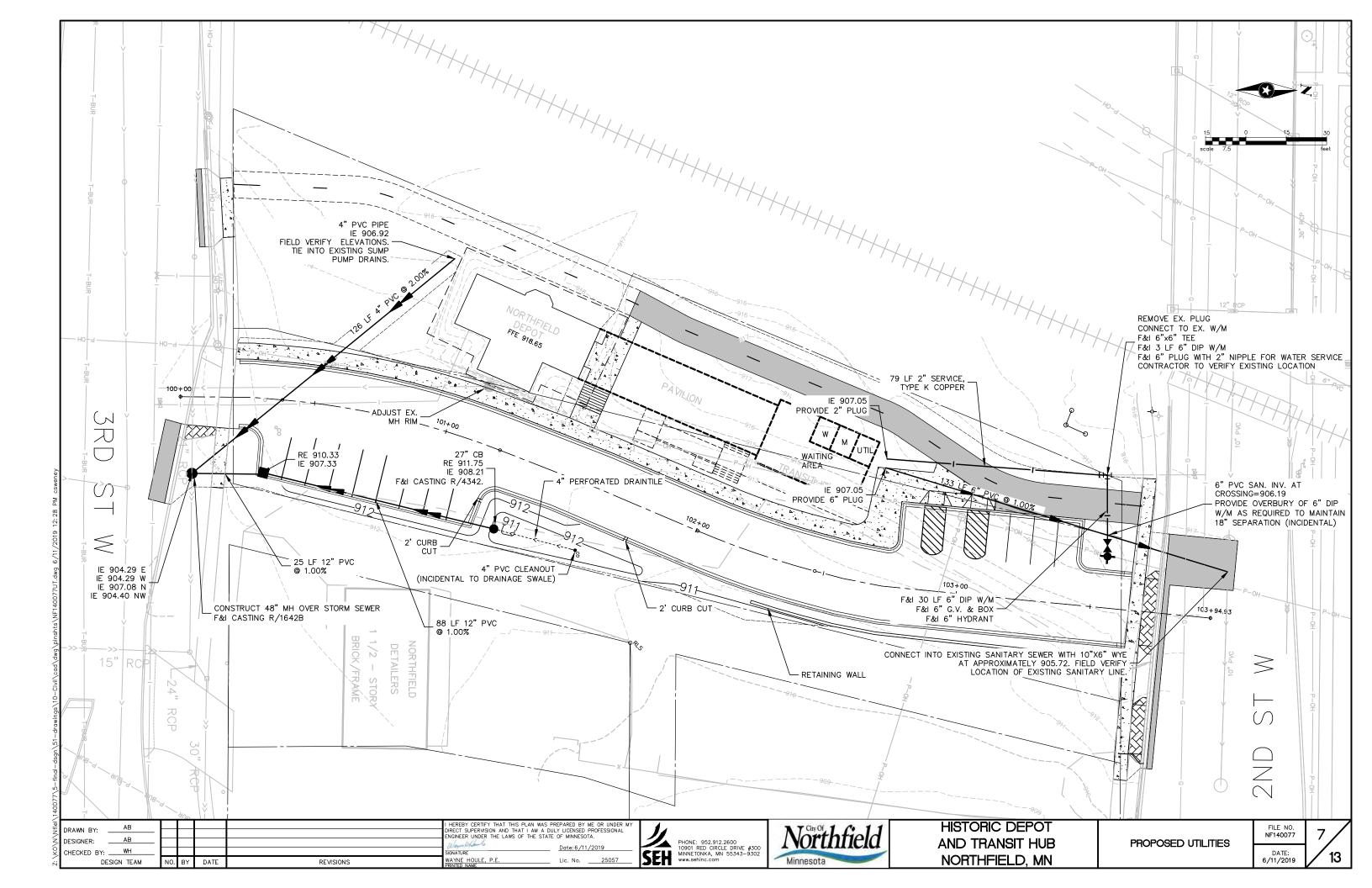
DETAILS

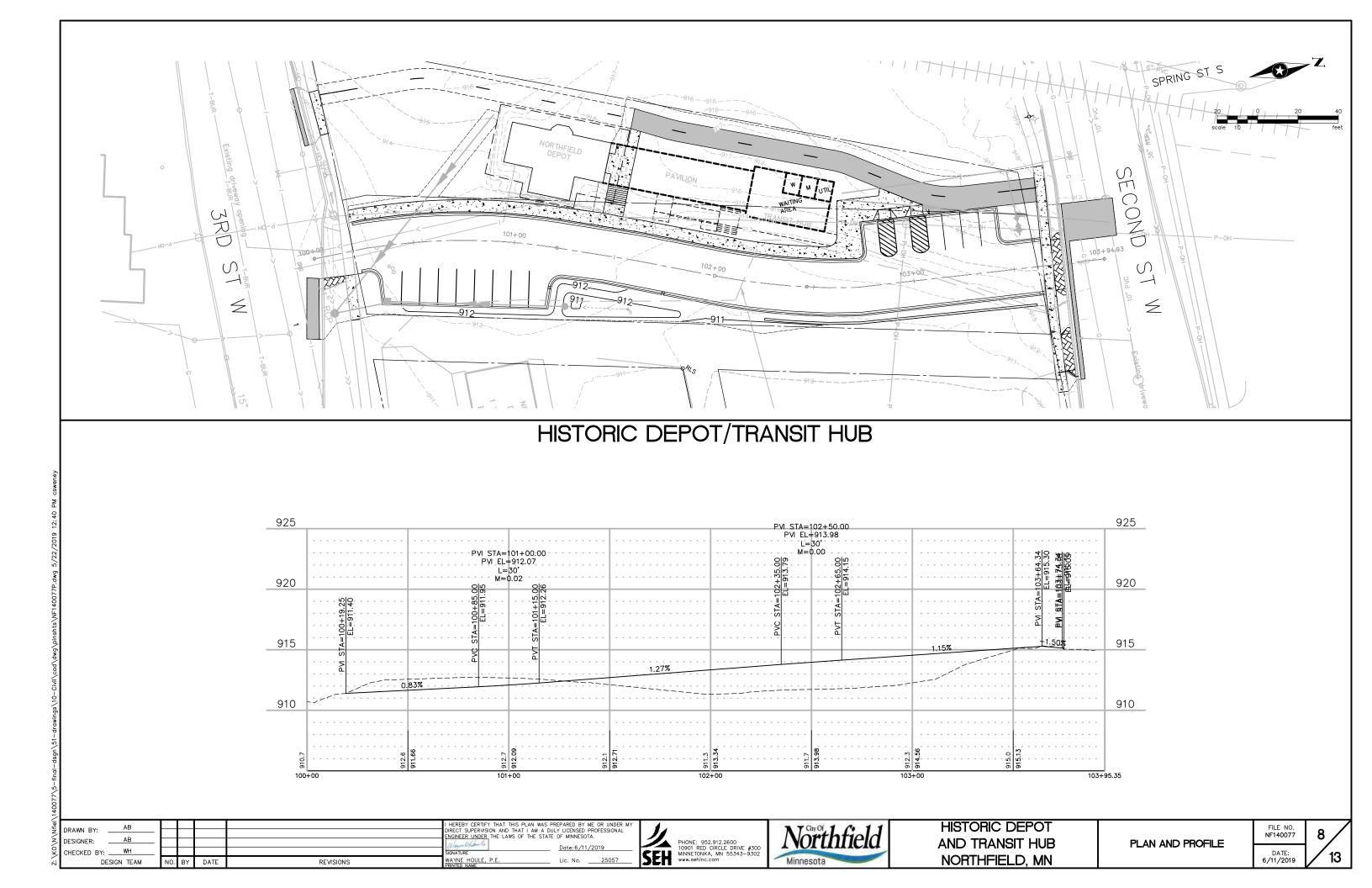
FILE NO. NF140077 DATE: 6/11/2019

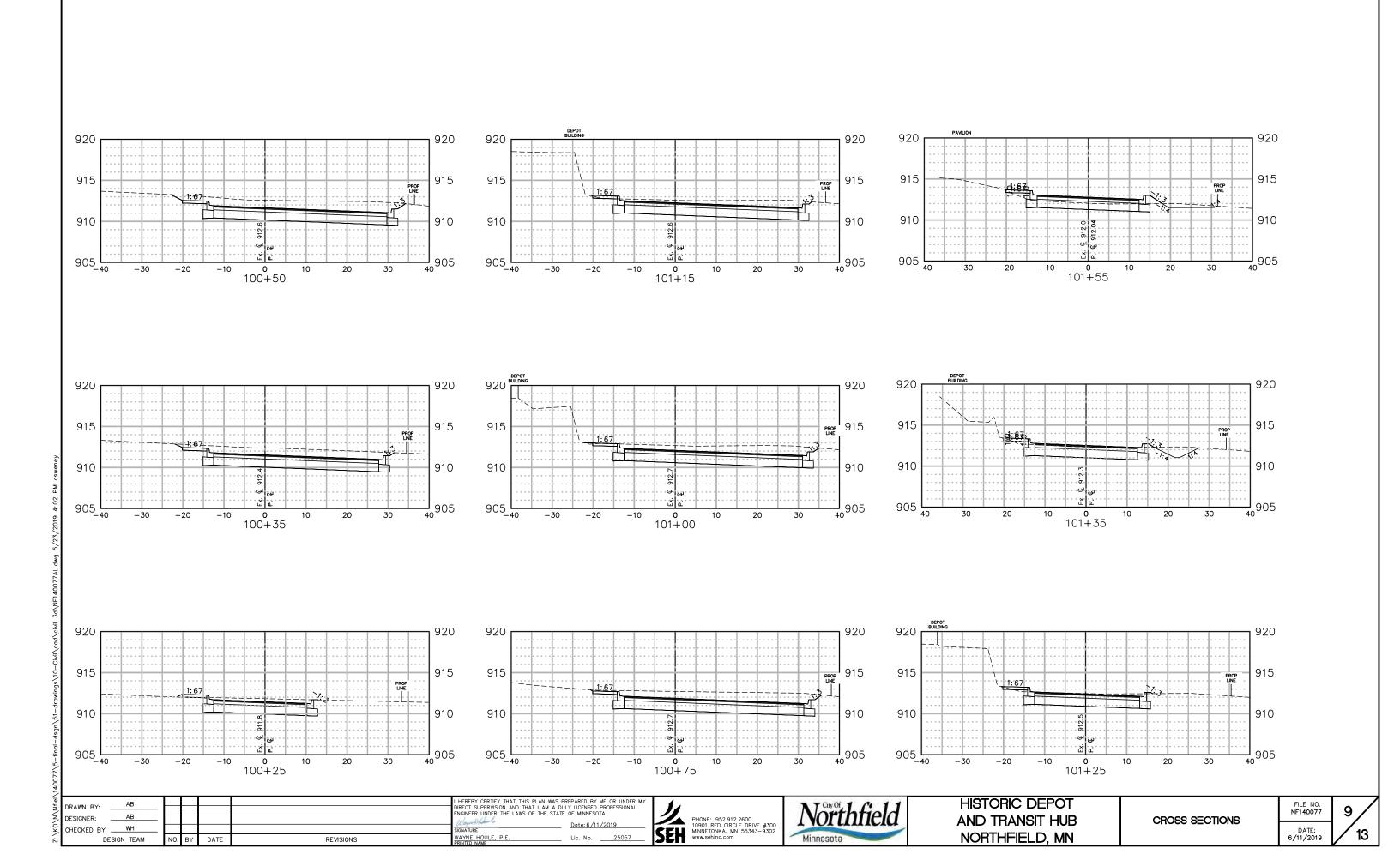
4/13

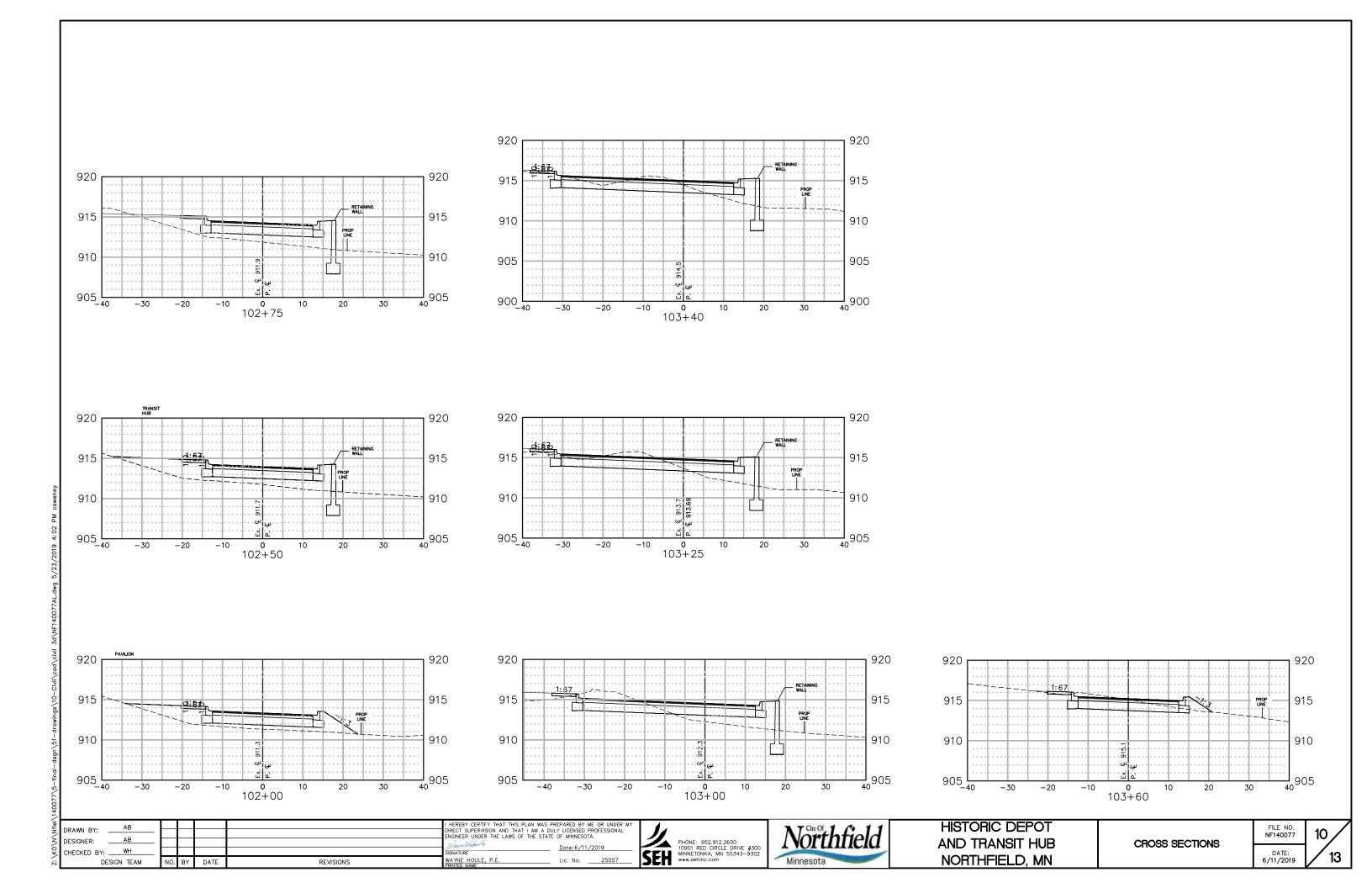


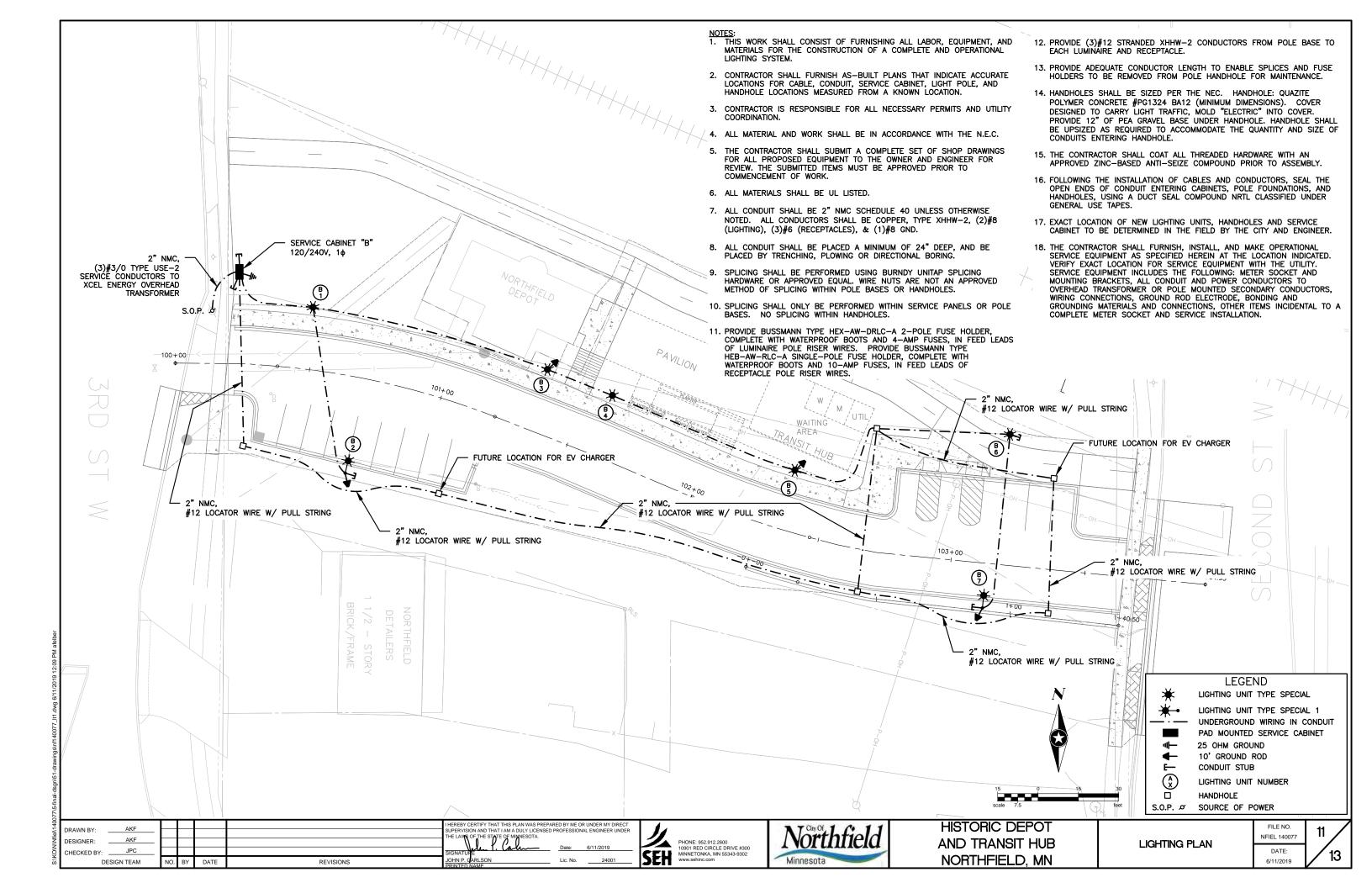


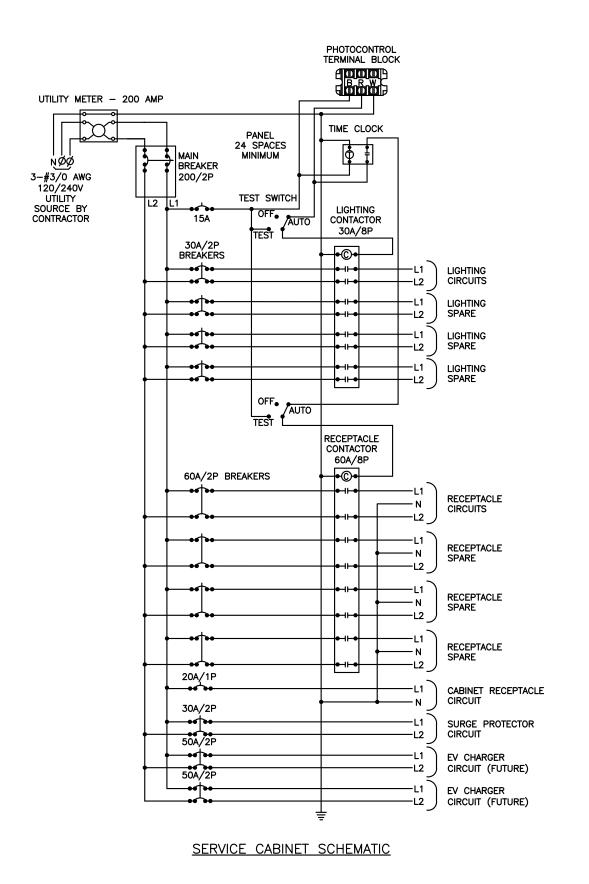


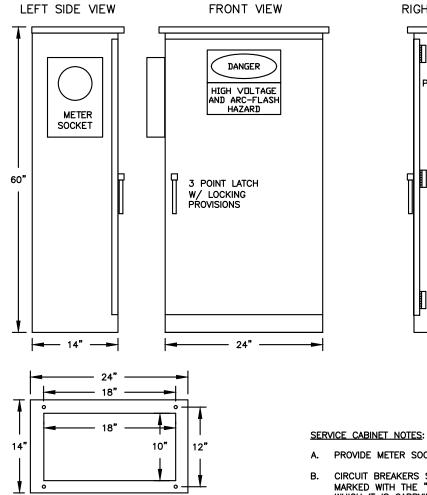












BASE LAYOUT NOT TO SCALE

-INTERIOR COMPONENTS MOUNTED ON BACK PANEL

-NEOPRENE GASKETED DOORS -STAINLESS STEEL HARDWARE -ETL LISTED IN ACCORDANCE WITH UL508A

CABINET CONSTRUCTION

BEHIND DEAD FRONT -14GA. STAINLESS STEEL

PROVIDE METER SOCKET PER UTILITY COMPANY REQUIREMENTS.

RIGHT SIDE VIEW

WINDOW FOR PHOTOCONTROL

CAST ALUMINUM HINGES

SIDE AND

- CIRCUIT BREAKERS SHALL BE 120/240 VOLT AC, 60Hz AND SHALL BE CLEARLY MARKED WITH THE "ON" AND "OFF" POSITIONS AND IDENTIFIED WITH THE LOAD WHICH IT IS CARRYING.
- C. SHORT CIRCUIT RATING 22,000 AIC SYMMETRICAL.
- 3-POSITION SELECTOR SWITCH ALLEN BRADLEY #800T-J2A.
- CIRCUIT CONTACTORS SHALL HAVE A 240 VOLT RATING, WITH 120 VOLT COIL.
- PROVIDE 50KA SURGE PROTECTOR.
- PROVIDE PANEL WITH DIMENSIONS AS REQUIRED TO FIT EQUIPMENT PROPOSED.
- PROVIDE A 25-OHM GROUND AT CABINET AS PER NEC.
- TIME CLOCK SHALL BE AN ASTRONOMICAL TIME CLOCK WITH NEMA 3R ENCLOSURE AND CAPACITOR BACK-UP.
- J. PROVIDE 20A WR-RATED GFCI RECEPTACLE MOUNTED TO CABINET DEAD-FRONT.
- BOTH PHOTOCONTROL AND ITS SOCKET SHALL BE 3 TERMINAL, POLARIZED, TWIST-LOCK TYPE. IT SHALL BE EQUIPPED WITH A MOV TYPE LIGHTNING
- L. CABINET SHALL BE MANUFACTURED BY POVOLNY SPECIALTIES INC. 651.452.7335.
- COORDINATE XCEL ENERGY SERVICE CONNECTION WITH JULIA FILOTEO AT 507.334.2942.

SERVICE CABINET DETAILS

Lic. No.





LIGHTING DETAILS

FILE NO. NFIEL 140077 DATE 6/11/2019

INTERIOR

COMPONENTS

120/240V, 1 PHASE, 3 WRE

SWITCH MOUNTED ON

INTERIOR COMPONENTS MOUNTED ON BACK

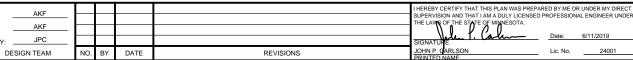
PANEL BEHIND HINGED

DEAD FRONT

HINGED DEADFRONT

HAND-OFF-AUTO ⊘

13



DRAWN BY:

DESIGNER:

CHECKED BY:

