

CIVIL BOUNDARY LEGEND

---	SECTION LINE
---	PROPERTY BOUNDARY
---	PROPERTY LINE / LOT LINE
---	EASEMENT LINE
R/W	RIGHT-OF-WAY
P/E	PERMANENT EASEMENT
C/E	CONSTRUCTION EASEMENT

CIVIL UTILITY LEGEND

EXISTING	PROPOSED	
SS	SSFM	SANITARY SEWER
○	○	SANITARY SEWER FORCEMAIN
○	○	SANITARY MANHOLE
○	○	SANITARY CLEANOUT
○	○	SANITARY DROP MANHOLE
○	○	SANITARY WYE
○	○	SANITARY PLUG
○	○	SANITARY PIG
SD	SD	STORM DRAIN PIPE
○	○	AREA INLET
○	○	BEEHIVE INLET
○	○	CURB INLET
○	○	STORM MANHOLE
○	○	FES OUTFALL
W	W	WATER LINE
○	○	CURB STOP
○	○	WATER MANHOLE
○	○	AIR RELEASE MANHOLE
○	○	METER MANHOLE
○	○	GATE VALVE
○	○	BLOW-OFF HYDRANT
○	○	FIRE HYDRANT
○	○	WELL
○	○	AIR RELEASE HYDRANT
○	○	BUTTERFLY VALVE
○	○	PRESSURE REDUCING MANHOLE
○	○	SLIDE MANHOLE
○	○	PLUG VALVE
○	○	WATER CROSS
○	○	WATER TEE
○	○	WATER FITTING
○	○	WATER CAP
○	○	WATER COUPLING
○	○	WATER REDUCER
○	○	SADDLE
○	○	CABLE TV LINE
○	○	CABLE TV PEDESTAL
○	○	TELEPHONE LINE
○	○	TELEPHONE PEDESTAL
○	○	FIBER OPTIC LINE
○	○	FIBER OPTIC PEDESTAL
○	○	GAS LINE
○	○	GAS LINE VENT
○	○	ELECTRIC, UNDERGROUND
○	○	ELECTRIC, OVERHEAD
○	○	ELECTRIC UTILITY POLE
○	○	ELECTRIC BOX
○	○	ELECTRIC MANHOLE
○	○	ELECTRIC GUY
○	○	ELECTRIC LIGHT
○	○	ELECTRIC SIGNAL ARM
○	○	ELECTRIC SIGNAL
○	○	ELECTRIC PUSH-TO-WALK
○	○	UNKNOWN PEDESTAL
○	○	UNKNOWN MANHOLE

CIVIL TOPOGRAPHIC LEGEND

EXISTING	PROPOSED	
X	X	BUILDING
XX	XX	FENCE, BARBED WIRE
○	○	FENCE, WOVEN WIRE
○	○	FENCE, CHAINLINK
○	○	FENCE, WOOD
○	○	FENCE, VINYL
○	○	TREE - GROUP
○	○	TREE - DECIDUOUS
○	○	SHRUB / BUSH
○	○	SIGN
○	○	MILE POST
○	○	BORE HOLE
○	○	RIGHT-OF-WAY MONUMENT
○	○	CONTOUR - INDEX
○	○	CONTOUR - INTERMEDIATE

CIVIL SURFACE LEGEND

EXISTING	PROPOSED	
○	○	BITUMINOUS PAVEMENT
○	○	CONCRETE
○	○	GRAVEL
○	○	CONCRETE PAD

CITY OF SHAKOPEE, MINNESOTA

CONSTRUCTION PLANS

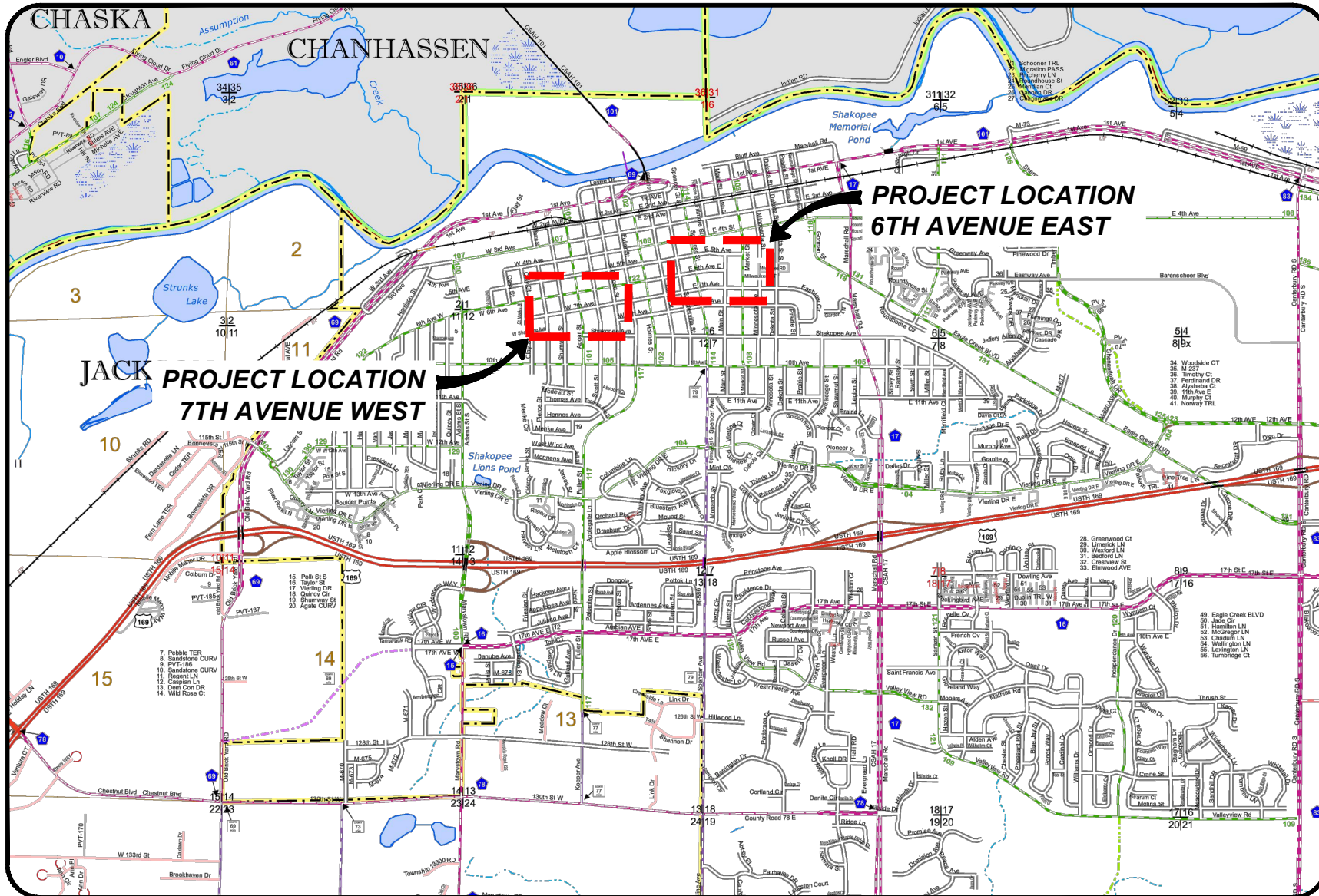
FOR

GRADING AND STORM DRAINAGE IMPROVEMENTS

7TH AVENUE WEST - ALLEY IMPROVEMENT

6TH AVENUE EAST - ALLEY IMPROVEMENT

CITY PROJECT NO. STORM 20-002



THIS PLAN CONTAINS 19 SHEETS



I HERBY CERTIFY THAT THIS PLAN 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.

PRINT NAME: JUSTIN KLABO LICENSE # 48701

DATE: 01/07/2022 SIGNATURE: [Signature]

SHEET NO. 1 OF 19 SHEETS

GOVERNING SPECIFICATIONS

THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN EXCEPT AS MODIFIED BY THE SPECIFICATIONS FOR THIS PROJECT.

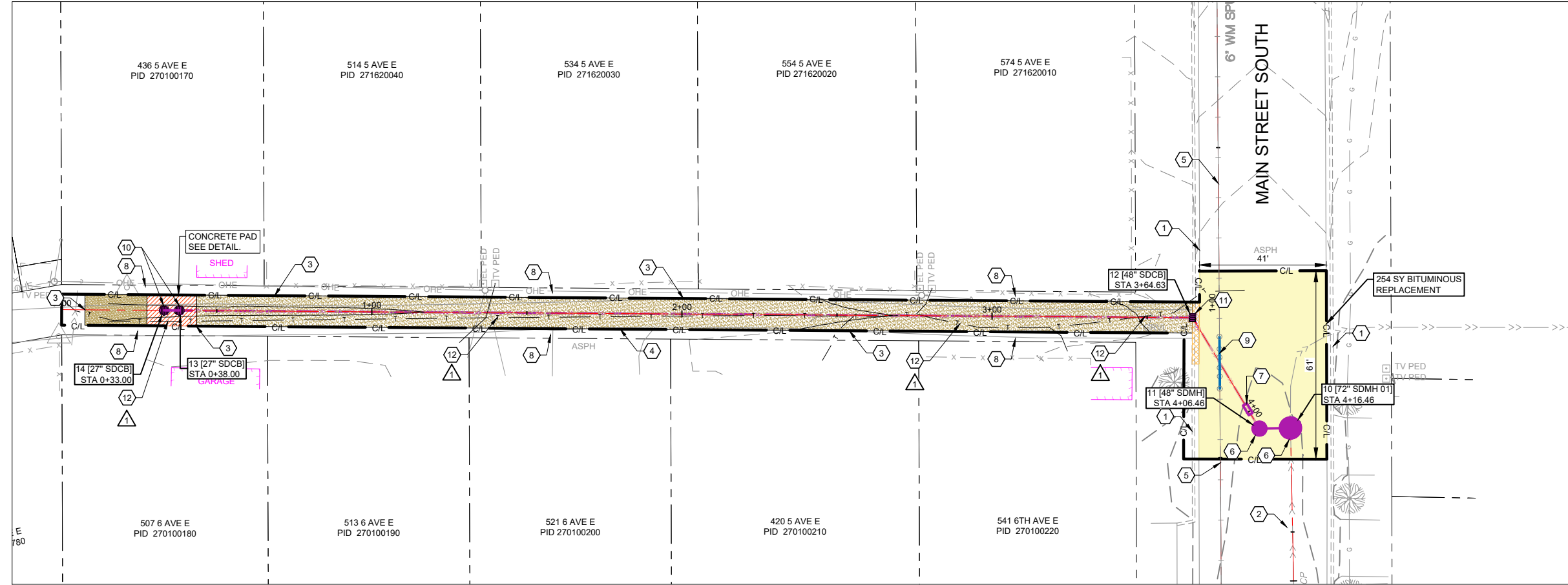
ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE MNDOTCD, INCLUDING "FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS."

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CIASCE 28-2, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA".

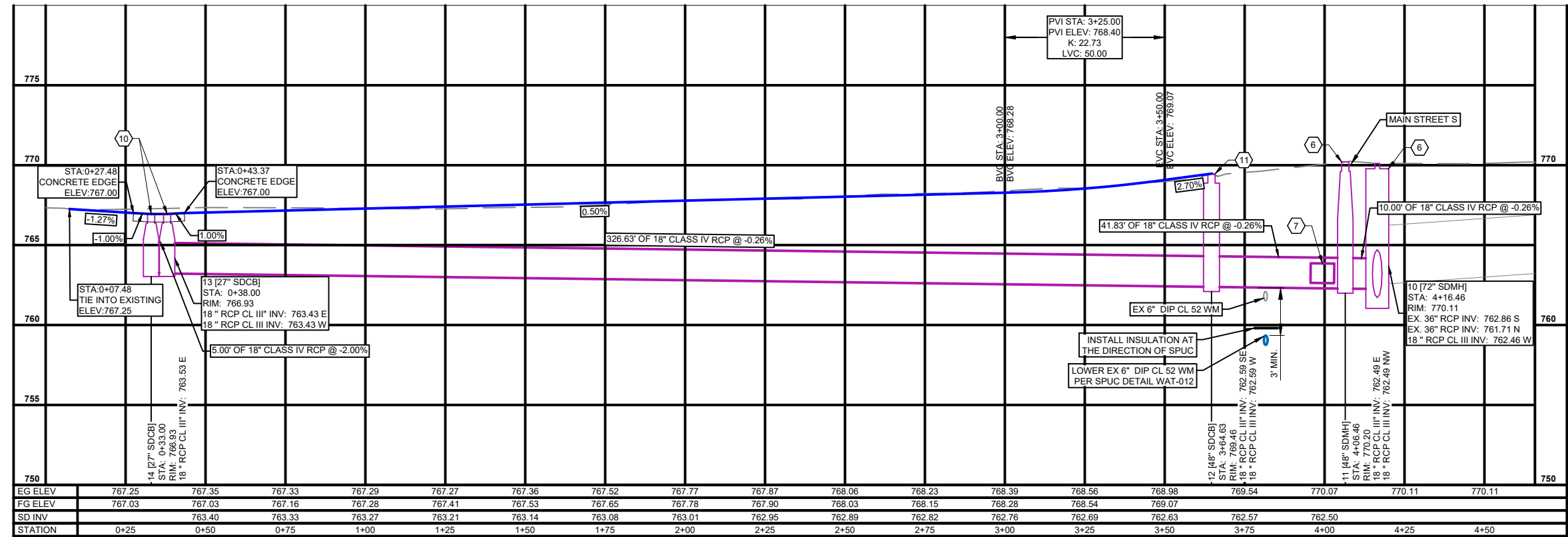
NOTE:
THE EXACT LOCATION OF UNDERGROUND UTILITIES SUCH AS GAS, TELEPHONE, FIBEROPTIC, ELECTRIC, CABLE TV, AND PIPE LINES ARE UNKNOWN. THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL BEFORE COMMENCING EXCAVATION.

PLAN REVISIONS

DATE	SHEET NO.	APPROVER



6th AVE EAST - ALLEY



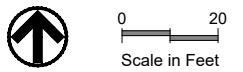
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SIGNATURE
JUSTIN T KLABO, PE
PRINTED NAME
LIC. NO. 48701 DATE: 01/07/2022



COORDINATE SYSTEM:
MINNESOTA DOT: SCOTT COUNTY,
US SURVEY FOOT

VERTICAL DATUM:
NATIONAL AMERICAN VERTICAL DATUM
OF 1988 (NAVD 88)



SURFACING LEGEND

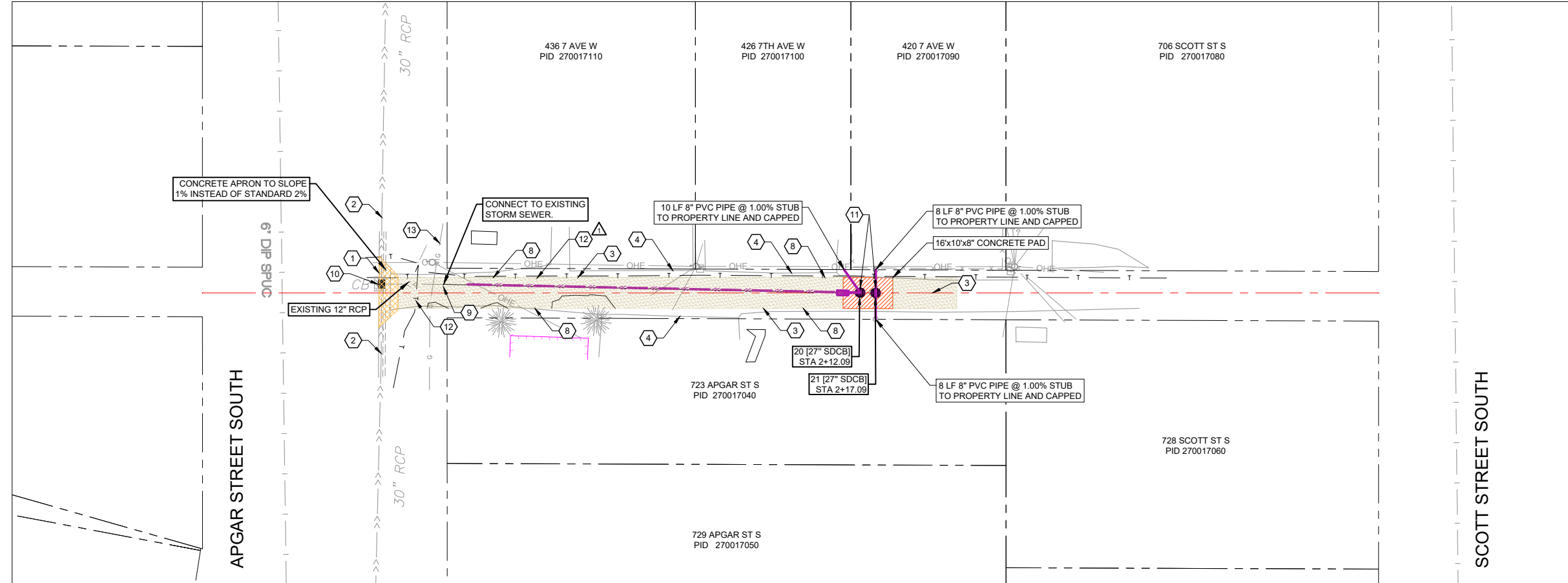
- COMMERCIAL DRIVEWAY. SEE CITY DETAIL 4005. SLOPE TO MATCH ALLEY
- BITUMINOUS RESTORATION. SEE CITY DETAIL 1001.
- 16'x10'x8" CONCRETE PAD. SEE DETAIL 1/19
- PROPOSED GRAVEL SURFACE. SEE DETAIL.

CONSTRUCTION NOTES

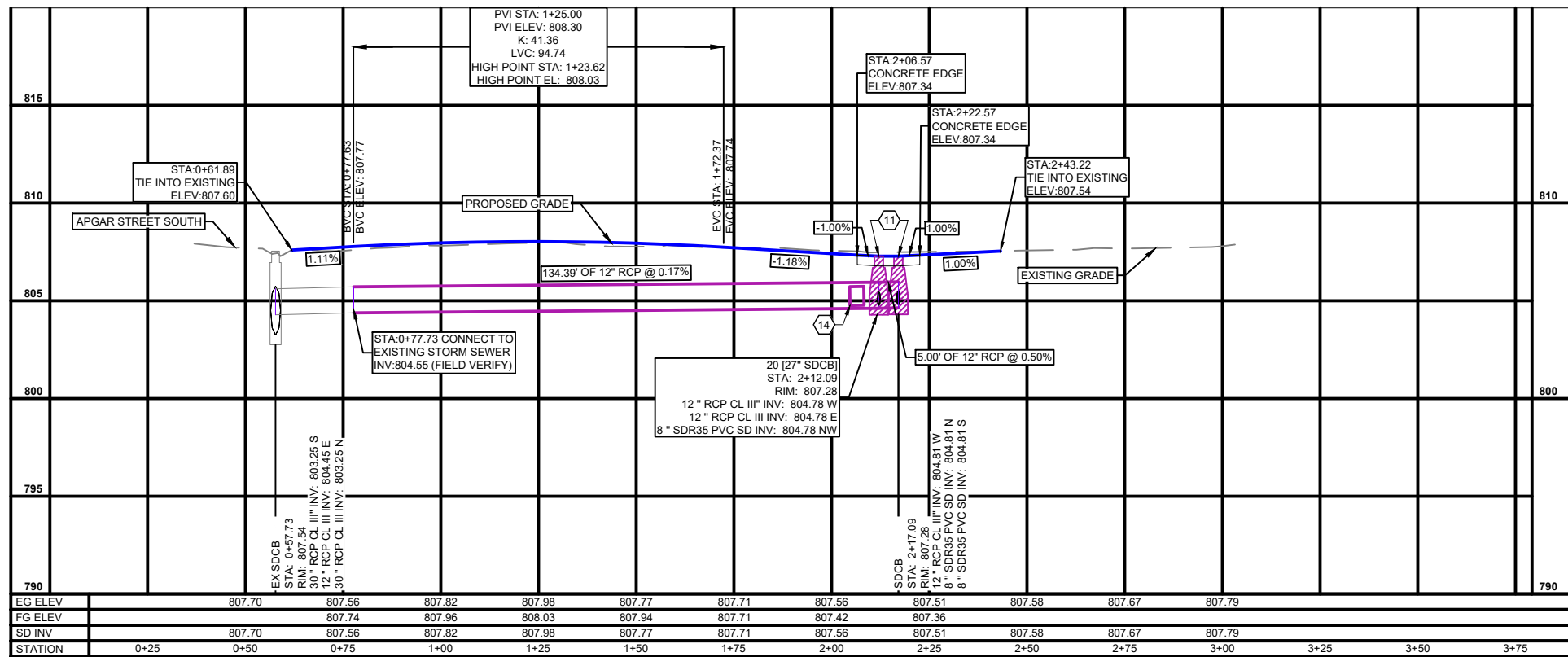
- PROTECT EXISTING CURB
- PROTECT EXISTING STORM SEWER
- MATCH EXISTING GROUND
- MATCH EXISTING BITUMINOUS DRIVEWAY
- PROTECT EXISTING WATERMAIN
- STANDARD MANHOLE FOR STORM SEWER. SEE CITY DETAIL 3001
- PROPOSED STORM MANHOLE WITH CHECKMATE. INSTALL CHECK VALVE IN UPSTREAM PIPE. INSTALL CHECK VALVE PER MANUFACTURERS RECOMMENDATIONS
- CONTRACTOR TO RESTORE ANY AREAS OUTSIDE OF GRAVEL ALLEY WITH 6" OF TOPSOIL AND SOD
- LOWER EXISTING WATERMAIN. SEE SPUC DETAIL WAT-12. CONTRACTOR SHALL USE COPPER STRAPS AROUND ALL EPOXY FITTINGS, V-BIO ENHANCED POLY ENCASMENT, MEGA LUGS AND BLUE BOLTS, AND VERIFY DEPTH AT CONNECTIONS TO EXISTING WATERMAIN.
- 27" CATCH BASIN WITH NEENAH R-2501 CASTING WITH TYPE C GRATE, SEE CITY DETAIL 3004
- CATCH BASIN MANHOLE, SEE CITY DETAIL 3003
- EXISTING PRIVATE UTILITY TO BE RELOCATED BY OTHERS PRIOR TO PROJECT START. PRIVATE UTILITY WILL BE RELOCATED IN APRIL 2022. CONTRACTOR TO COORDINATE WITH PRIVATE UTILITY COMPANY ACCORDINGLY.

6TH AVE EAST - ALLEY IMPROVEMENTS
7TH AVE WEST - ALLEY IMPROVEMENTS
SHAKOPEE, MINNESOTA

CITY PROJECT NO.
STORM 20-002
PREPARED BY
RFM
CHECKED / APPROVED
JJ / JK
DATE
JAN 2022
PROJECT NUMBER
P05475-2021-002
SHEET
5 of 19
DRAWING
05



7th AVE WEST - ALLEY



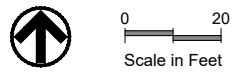
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SIGNATURE
JUSTIN T KLABO, PE
PRINTED NAME
LIC. NO. 48701 DATE: 01/07/2022



COORDINATE SYSTEM:
MINNESOTA DOT: SCOTT COUNTY,
US SURVEY FOOT

VERTICAL DATUM:
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OF 1988 (NAVD 88)



SURFACING LEGEND

- COMMERCIAL DRIVEWAY. SEE CITY DETAIL 4005. SLOPE TO MATCH ALLEY
- 16'x10'x6" CONCRETE PAD. SEE DETAIL 2/19
- PROPOSED GRAVEL SURFACE. SEE DETAIL.

- CONSTRUCTION NOTES**
- PROTECT EXISTING CURB
 - PROTECT EXISTING STORM SEWER
 - MATCH EXISTING GROUND
 - MATCH EXISTING BITUMINOUS DRIVEWAY
 - PROTECT EXISTING WATERMAIN
 - STANDARD MANHOLE FOR STORM SEWER. SEE CITY DETAIL 3001.
 - CONTRACTOR TO CLOSE ALLEY FOR DURATION OF WORK
 - RESTORE ALL DISTURBED AREAS OUTSIDE OF GRAVEL ALLEY WITH 6" TOPSOIL AND SOD
 - CONTRACTOR TO VERIFY INVERT ELEVATION OF 12" RCP STUB PRIOR TO INSTALLATION OF ANY STORM SEWER OR CB STRUCTURE.
 - CONTRACTOR TO ADJUST FRAME AND RING CASTING
 - 27" CATCH BASIN WITH NEENAH R-2501 CASTING WITH TYPE C GRATE, SEE CITY DETAIL 3004
 - CONTRACTOR SHALL PROTECT IN PLACE PRIVATE UTILITY LINE
 - PROTECT EXISTING GAS LINE
 - PROPOSED STORM MANHOLE WITH CHECKMATE INLINE CHECK VALVE IN DOWNSTREAM PIPE. INSTALL CHECK VALVE PER MANUFACTURERS RECOMMENDATIONS

6TH AVE EAST - ALLEY IMPROVEMENTS
7TH AVE WEST - ALLEY IMPROVEMENTS
SHAKOPEE, MINNESOTA

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RFM
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DATE
JAN 2022
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10 of 19
DRAWING
10