

CONSTRUCTION NOTES

Obtain Construction Plans from Designer prior to starting job.
 Coordinate with Contractor / Engineering Firm for exact locations of proposed structures and facilities prior to installation of gas facilities.
 Install new main as shown or as directed in field at time of installation. Contact Engineering for approval of field generated changes.
 Long side mains and services to be installed below proposed sub-cuts (See Construction Plans).
 All test points should be installed in the boulevard or other acceptable locations and avoid placement in driving lanes.
 Verify Coating test results if required prior to abandoning main.
CONSTRUCTION PROCEDURES
 Install, Clean and Test, and Put in Service: Proposed new main per CenterPoint Energy Construction and Services Manual.
 Procedure for tapping or making tie-ins to existing gas mains: Verify existing gas main size, type, and location prior to tapping or making tie-in. Monitor and verify, using a pressure gauge, existing gas main Pressure Class within the bell hole of tap location or tie-in location prior to tapping or making tie-in.
 Purge new main until essentially 100% reading is obtained on Combustible Gas Indicator. See CenterPoint Energy Construction and Service Manual Section CS-B-1.230 for purging mains into service.
 Complete all Service / Meter Work as directed. (See Service Survey)
 See Abandonment Procedures for abandonment and purging procedures.
 Install a marker ball at a new end of main, at a valve, at each end of a horizontal offset, at road crossings and at any fitting or pressure control identified as needing to be located in the future. Refer to CenterPoint Energy Construction and Service Manual section CS-B-1.310 for installation procedures.

ABANDONMENT PROCEDURES

See Construction Procedures for installation of mains and services prior to abandonments.
 The project includes work on one-way feed mains.
 Ensure all proposed main is in service, all taps are completed and all services have been transferred to new main prior to abandonments.
 Cut and abandon existing main as shown. Purge abandoned mains until essentially 0% gas reading is obtained on Combustible Gas Indicator. See CenterPoint Energy Construction and Services Manual Section CS-B-1.110 and Section CS-B-1.230 for purging mains out of service using air movers.
 Cross Compression may be used to lower pressure in line prior to venting trapped gas and purging line out of service.
Warning - cross compression into a one-way feed system requires Engineering approval. Trapped gas to be transferred to CL-6 (55) PSIG system.
 Do not exceed 55 PSIG on the outlet side of the Cross Compression unit. Monitor using digital gauge on outlet side of unit.
 Contact Area C&M Personnel prior to starting job to review Cross Compression process and to arrange field support.
 For typical connection of Cross Compression:
 Plastic Mains: Use a 1-1/4" PE Service Tee with a temp. 1-1/4" anodeless riser with valve
 Steel Mains: Use a 2" TOR Drill Nipple.
 Contact Engineering with questions.

NOTE: BORE ALL PAVED STREETS AND DRIVEWAYS

Minimum depth requirements for crossings of state highways and county roads is 60". Minimum depth requirements for crossings of city streets and township roads is 48".
 Minimum depth for parallel installations on state highways and county roads is 36". Minimum depth for parallel installations on city streets and township roads is 30". All steel pipe welds to be coated with 2 part epoxy.

AT DENOTES COATING SAMPLE LOCATION. CONTACT MADDIE NIERENGARTEN (612-321-5469) IN THE ENVIRONMENTAL DEPARTMENT TO SCHEDULE SAMPLING OF PIPE COATING. GIVE 48 HOURS NOTICE WHEN POSSIBLE TO ARRANGE FOR A LICENSED INSPECTOR.

When butt fusing to existing in-service polyethylene, visually inspect for the presence of hydrocarbon permeation immediately after removing fusion iron. If any bubbling is identified on the heated surface, do not join to new PE pipe. Allow to cool and cut this end off (12" length) and send to the Golden Valley Lab with street location and W.O.#. Complete tie-in/extension using an electrofusion coupling(s).

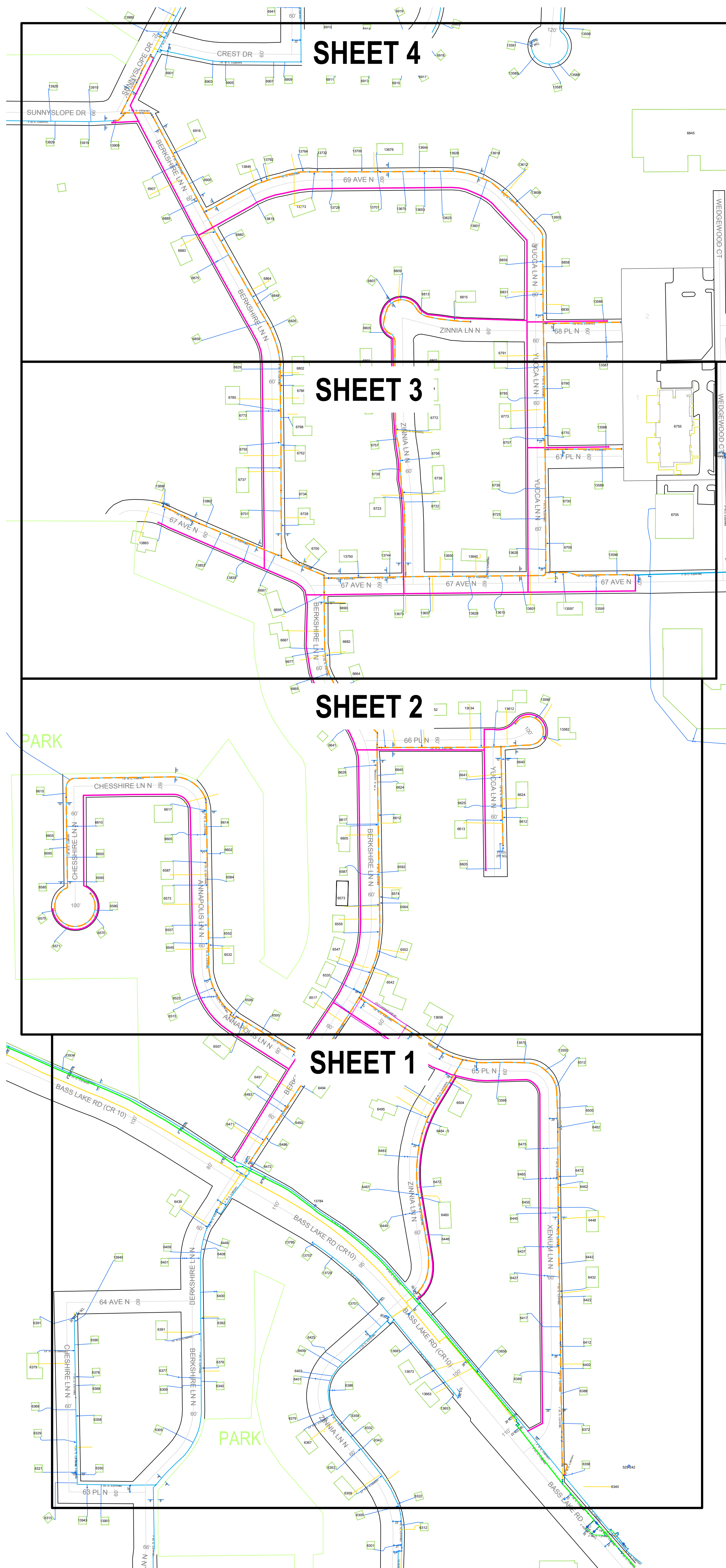
Document in field notes.

Pipe < 4-inches Diameter (Unregulated PCB area):
 Project area cleared for internal impacts. Pipe being removed is unregulated for disposal if coating does not exist or is non-asbestos. Refer to CNP Construction and Service Manual CS-B-1.110, CS-B-1.330, and CS-B-1.100, for pipe to be abandoned.

CORROSION TECH FOR AREA IS PATRICK CARLSON CELL, 612-434-1220

Watchdog Note:
 Caution - High Pressure Natural Gas Line within project area. Protect at all times. If excavation is to occur within 25 feet of the High Pressure Natural Gas Line, coordinate work with Metro Foreign Construction or Outstate/Suburban C&M. Any crossings at High Pressure Natural Gas Line must maintain a minimum of 18-inches clearance. 12-inches of clearance is acceptable with Engineering approval.
 INSTALL REINFORCING SQUEEZE OFF SUPPORT CLAMP ON ALL SQUEEZE OFF POINTS ON ALDYL A PIPE.

3/12/2025 8:56:14 AM



PROPRIETARY AND CONFIDENTIAL

PROJECT #: 113493656

CITY: MAPLE GROVE

COUNTY: HENNEPIN

LEGEND:
 - IN SERVICE
 - PROPOSED
 - PROPOSED ABANDONED
 - ABANDONED
 - NOT A PART OF PROJECT
 - SEE NOTES

Pipe Summary

8505'	2" PE Class 6
902'	3" PE Class 6
3200'	4" PE Class 6
12607'	TOTAL PIPE

Proposed Abandoned Pipe

4'	1" PE Class 6
4520'	1" STL Class 6
2529'	1-1/4" PE Class 6
8'	1-1/4" STL Class 6
3'	2" STL Class 6
3286'	4" STL Class 6
2169'	GENERIC PLASTIC OTHER MAIN - 1 1/4" Class 6
48'	GENERIC PLASTIC OTHER MAIN - 2" Class 6
11'	GENERIC PLASTIC OTHER MAIN - 3" Class 6
15'	GENERIC PLASTIC OTHER MAIN - 4" Class 6
12599'	TOTAL PIPE

COPIES:
 PIPELINE INTEGRITY PACKET: N
 STATION MANAGER: N
 DD NUMBER: N/A
 CORROSION: PATRICK CARLSON
 EMP: N
 SITE CONTACT: TANNER BAKKE (WSB) 612-289-1178
 SURVEYOR REQUIRED? N
 RETURN PACKET TO ENG? N
 JOB BRIEFING REQUIRED? Y
 GFEP #: 227-2025
 PERMITS: CITY OF MAPLE GROVE HENNEPIN COUNTY

PROJECT DESCRIPTION: SREL NORTH DONAHUE
 DESIGNER: KEVIN SCOTT
 PHONE#: 612-321-4454
 DRAWN BY: KEVIN SCOTT
 DESIGN DATE: 03/12/2025

REVISION INFO:

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.
 Signature: *Eric Yang*
 Typed or Printed Name: Eric Yang
 Date: 3/12/2025 License Number: 56613

MAIN	NOT TO SCALE
SS#: #	COVER SHEET

SEE COVER SHEET FOR NOTES AND PROCEDURES



PROPRIETARY AND CONFIDENTIAL
 PROJECT #: 113493656
 CITY: MAPLE GROVE
 COUNTY: HENNEPIN

LEGEND:

	IN SERVICE
	PROPOSED
	PROPOSED ABANDONED
	ABANDONED
	NOT A PART OF PROJECT SEE NOTES

Pipe Summary

8505'	2" PE Class 6
902'	3" PE Class 6
3200'	4" PE Class 6
12907'	TOTAL PIPE

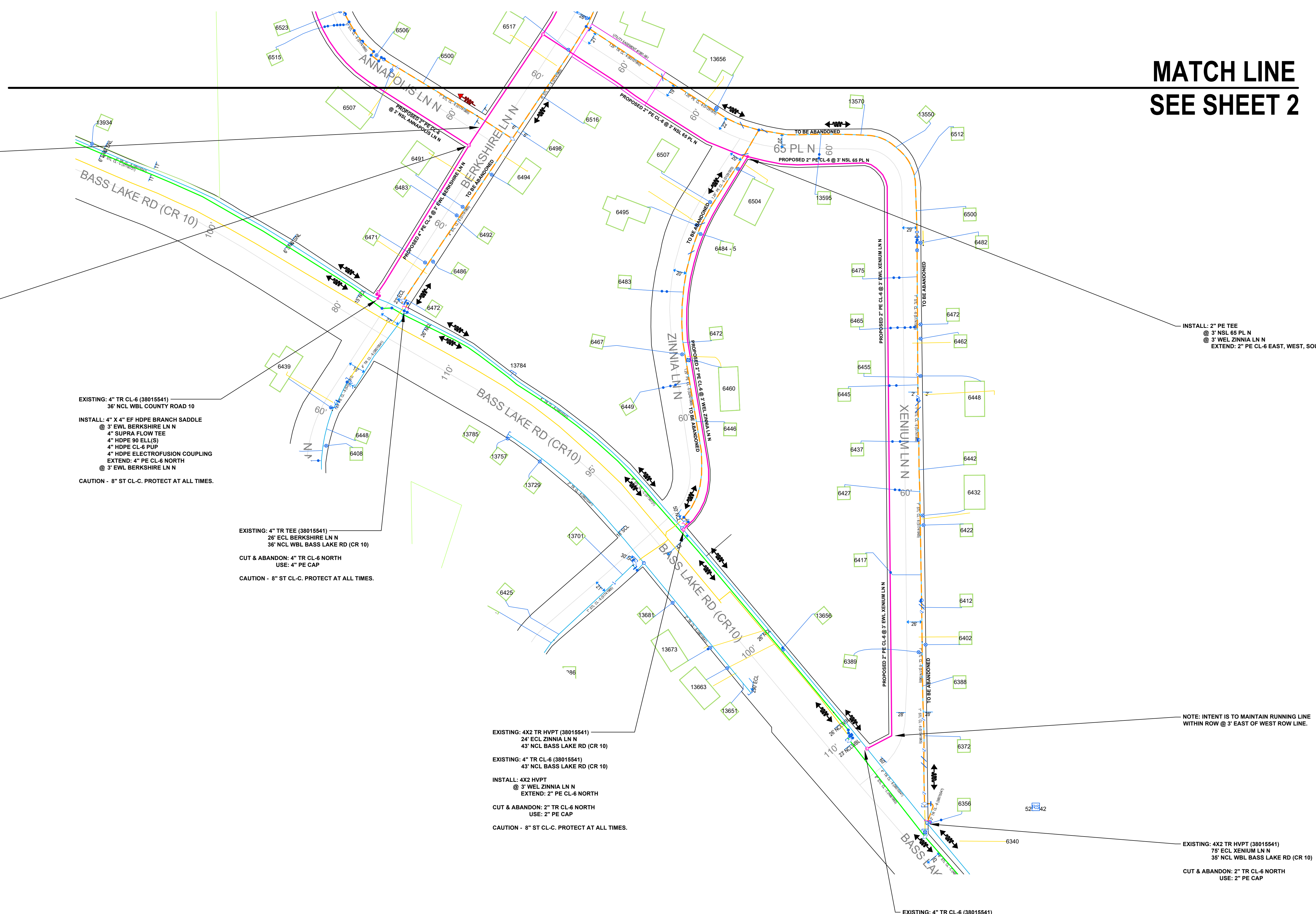
Proposed Abandoned Pipe

4'	1" PE Class 6
4526'	1" STL Class 6
2529'	1-1/4" PE Class 6
8'	1-1/4" STL Class 6
3'	2" STL Class 6
3286'	4" STL Class 6
2169'	GENERIC PLASTIC OTHER MAN - 1 1/4" Class 6
48'	GENERIC PLASTIC OTHER MAN - 2" Class 6
11'	GENERIC PLASTIC OTHER MAN - 3" Class 6
10'	GENERIC PLASTIC OTHER MAN - 4" Class 6
12999'	TOTAL PIPE

COPIES:
 PIPELINE INTEGRITY PACKET: N
 STATION MANAGER: N
 DD NUMBER: N/A
 CORROSION: PATRICK CARLSON
 EMP: N
 SITE CONTACT: TANNER BAKKE (WSB)
 612-289-1178
 SURVEYOR REQUIRED? N
 RETURN PACKET TO ENG? N
 JOB BRIEFING REQUIRED? Y
 GFIP #: 227-2025
 PERMITS: CITY OF MAPLE GROVE
 HENNEPIN COUNTY

PROJECT DESCRIPTION: SREL
 NORTH DONAHUE
DESIGNER: KEVIN SCOTT
 PHONE#: 612-321-4454
DRAWN BY: KEVIN SCOTT
 DESIGN DATE: 03/12/2025
REVISION INFO:

MATCH LINE SEE SHEET 2



NOTE: INTENT IS TO INSTALL MAIN ABOVE PROPOSED STORM CROSSING BETWEEN STRUCTURES 5006 & 5007. SEE CONSTRUCTION PLANS SHEET 56 & VERIFY WITH FIELD STAKING.

INSTALL: 4X2 HVPT @ 3' NSL ANNAPOIS LN N @ 3' EWL BERKSHIRE LN N EXTEND: 2" PE CL-6 WEST EXTEND: 4" PE CL-6 NORTH, SOUTH

EXISTING: 4" TR CL-6 (38015541) 36" NCL WBL COUNTY ROAD 10
 INSTALL: 4" X 4" EF HDPE BRANCH SADDLE @ 3' EWL BERKSHIRE LN N
 4" SUPRA FLOW TEE
 4" HDPE 90 ELL(S)
 4" HDPE CL-6 PUP
 4" HDPE ELECTROFUSION COUPLING
 EXTEND: 4" PE CL-6 NORTH @ 3' EWL BERKSHIRE LN N
 CAUTION - 8" ST CL-C. PROTECT AT ALL TIMES.

EXISTING: 4" TR TEE (38015541) 26" ECL BERKSHIRE LN N 36" NCL WBL BASS LAKE RD (CR 10)
 CUT & ABANDON: 4" TR CL-6 NORTH USE: 4" PE CAP
 CAUTION - 8" ST CL-C. PROTECT AT ALL TIMES.

EXISTING: 4X2 TR HVPT (38015541) 24" ECL ZINNIA LN N 43" NCL BASS LAKE RD (CR 10)
 EXISTING: 4" TR CL-6 (38015541) 43" NCL BASS LAKE RD (CR 10)
 INSTALL: 4X2 HVPT @ 3' WEL ZINNIA LN N EXTEND: 2" PE CL-6 NORTH
 CUT & ABANDON: 2" TR CL-6 NORTH USE: 2" PE CAP
 CAUTION - 8" ST CL-C. PROTECT AT ALL TIMES.

EXISTING: 4" TR CL-6 (38015541) 43" NCL BASS LAKE RD (CR 10)
 INSTALL: 4X2 HVPT @ 3' EWL XENIUM LN N EXTEND: 2" PE CL-6 NORTH-EAST
 CAUTION - 8" ST CL-C. PROTECT AT ALL TIMES.

INSTALL: 2" PE TEE @ 3' NSL 65 PL N @ 3' WEL ZINNIA LN N EXTEND: 2" PE CL-6 EAST, WEST, SOUTH

NOTE: INTENT IS TO MAINTAIN RUNNING LINE WITHIN ROW @ 3' EAST OF WEST ROW LINE.

EXISTING: 4X2 TR HVPT (38015541) 75" ECL XENIUM LN N 36" NCL WBL BASS LAKE RD (CR 10)
 CUT & ABANDON: 2" TR CL-6 NORTH USE: 2" PE CAP

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.

Signature:
 Typed or Printed Name: Eric Yang
 Date: 3/12/2025 License Number: 56613

3/12/2025 8:56:15 AM

MAIN SHEET 1 OF 4 SCALE: 1" = 80'

SEE COVER SHEET FOR NOTES AND PROCEDURES



PROPRIETARY AND CONFIDENTIAL
 PROJECT #: 113493656
 CITY: MAPLE GROVE
 COUNTY: HENNEPIN

LEGEND:

—	IN SERVICE
- - -	PROPOSED
- - - - -	PROPOSED ABANDONED
○	ABANDONED
- - - - -	NOT A PART OF PROJECT SEE NOTES

Pipe Summary

8505'	2" PE Class 6
902'	3" PE Class 6
3200'	4" PE Class 6
12907'	TOTAL PIPE

Proposed Abandoned Pipe

4'	1" PE Class 6
4526'	1" STL Class 6
2529'	1-1/4" PE Class 6
8'	1-1/4" STL Class 6
3'	2" STL Class 6
3286'	4" STL Class 6
2169'	GENERIC PLASTIC OTHER MAN - 1-1/4" Class 6
48'	GENERIC PLASTIC OTHER MAN - 2" Class 6
11'	GENERIC PLASTIC OTHER MAN - 3" Class 6
15'	GENERIC PLASTIC OTHER MAN - 4" Class 6
12999'	TOTAL PIPE

COPIES:
 PIPELINE INTEGRITY PACKET: N
 STATION MANAGER: N
 DD NUMBER: N/A
 CORROSION: PATRICK CARLSON
 EMP: N
 SITE CONTACT: TANNER BAKKE (WSB)
 612-289-1178
 SURVEYOR REQUIRED? N
 RETURN PACKET TO ENG? N
 JOB BRIEFING REQUIRED? Y
 GFIP #: 227-2025
 PERMITS: CITY OF MAPLE GROVE
 HENNEPIN COUNTY

PROJECT DESCRIPTION: SREL
 NORTH DONAHUE
 DESIGNER: KEVIN SCOTT
 PHONE#: 612-321-4454
 DRAWN BY: KEVIN SCOTT
 DESIGN DATE: 03/12/2025

REVISION INFO:

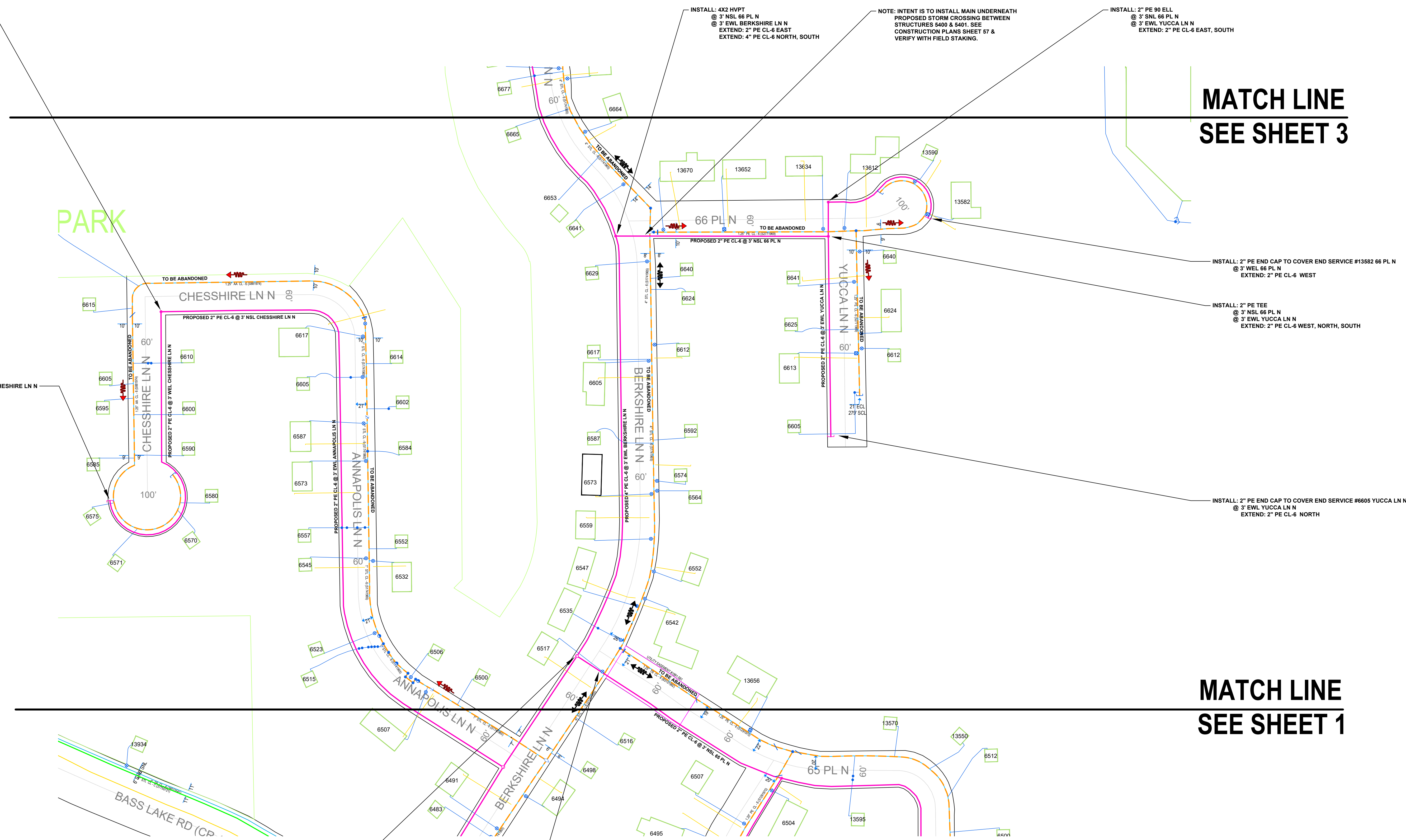
MAIN	SCALE: 1" = 80'
SS#:	SHEET 2 OF 4

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.

Signature: *Eric Yang*

Typed or Printed Name: Eric Yang

Date: 3/12/2025 License Number: 56613



**MATCH LINE
SEE SHEET 3**

**MATCH LINE
SEE SHEET 1**

INSTALL: 2" PE 90 ELL
 @ 3" NSL CHESHIRE LN N
 @ 3" WEL CHESHIRE LN N
 EXTEND: 2" PE CL-6 EAST, SOUTH

INSTALL: 4X2 HVPT
 @ 3" NSL 66 PL N
 @ 3" EWL BERKSHIRE LN N
 EXTEND: 2" PE CL-6 EAST
 EXTEND: 4" PE CL-6 NORTH, SOUTH

NOTE: INTENT IS TO INSTALL MAIN UNDERNEATH
 PROPOSED STORM CROSSING BETWEEN
 STRUCTURES 5400 & 5401. SEE
 CONSTRUCTION PLANS SHEET 57 &
 VERIFY WITH FIELD STAKING.

INSTALL: 2" PE 90 ELL
 @ 3" SNL 66 PL N
 @ 3" EWL YUCCA LN N
 EXTEND: 2" PE CL-6 EAST, SOUTH

INSTALL: 2" PE END CAP TO COVER END SERVICE #6575 CHESHIRE LN N
 @ 3" EWL CHESHIRE LN N
 EXTEND: 2" PE CL-6 SOUTH

INSTALL: 2" PE END CAP TO COVER END SERVICE #13582 66 PL N
 @ 3" WEL 66 PL N
 EXTEND: 2" PE CL-6 WEST

INSTALL: 2" PE TEE
 @ 3" NSL 66 PL N
 @ 3" EWL YUCCA LN N
 EXTEND: 2" PE CL-6 WEST, NORTH, SOUTH

INSTALL: 2" PE END CAP TO COVER END SERVICE #6605 YUCCA LN N
 @ 3" EWL YUCCA LN N
 EXTEND: 2" PE CL-6 NORTH

INSTALL: 4X2 HVPT
 @ 3" NSL 65 PL N
 @ 3" EWL BERKSHIRE LN N
 EXTEND: 2" PE CL-6 EAST
 EXTEND: 4" PE CL-6 NORTH, SOUTH

NOTE: INTENT IS TO INSTALL MAIN UNDERNEATH
 PROPOSED STORM CROSSING BETWEEN
 STRUCTURES 5000 & 5001. SEE
 CONSTRUCTION PLANS SHEET 56 &
 VERIFY WITH FIELD STAKING.

3/12/2025 8:56:16 AM

SEE COVER SHEET FOR NOTES AND PROCEDURES



PROPRIETARY AND CONFIDENTIAL
 PROJECT #: 113493656
 CITY: MAPLE GROVE
 COUNTY: HENNEPIN
LEGEND:
 — IN SERVICE
 - - - PROPOSED
 - - - PROPOSED ABANDONED
 - - - ABANDONED
 - - - NOT A PART OF PROJECT
 SEE NOTES

Pipe Summary

8505'	2" PE Class 6
902'	3" PE Class 6
3200'	4" PE Class 6
12907'	TOTAL PIPE

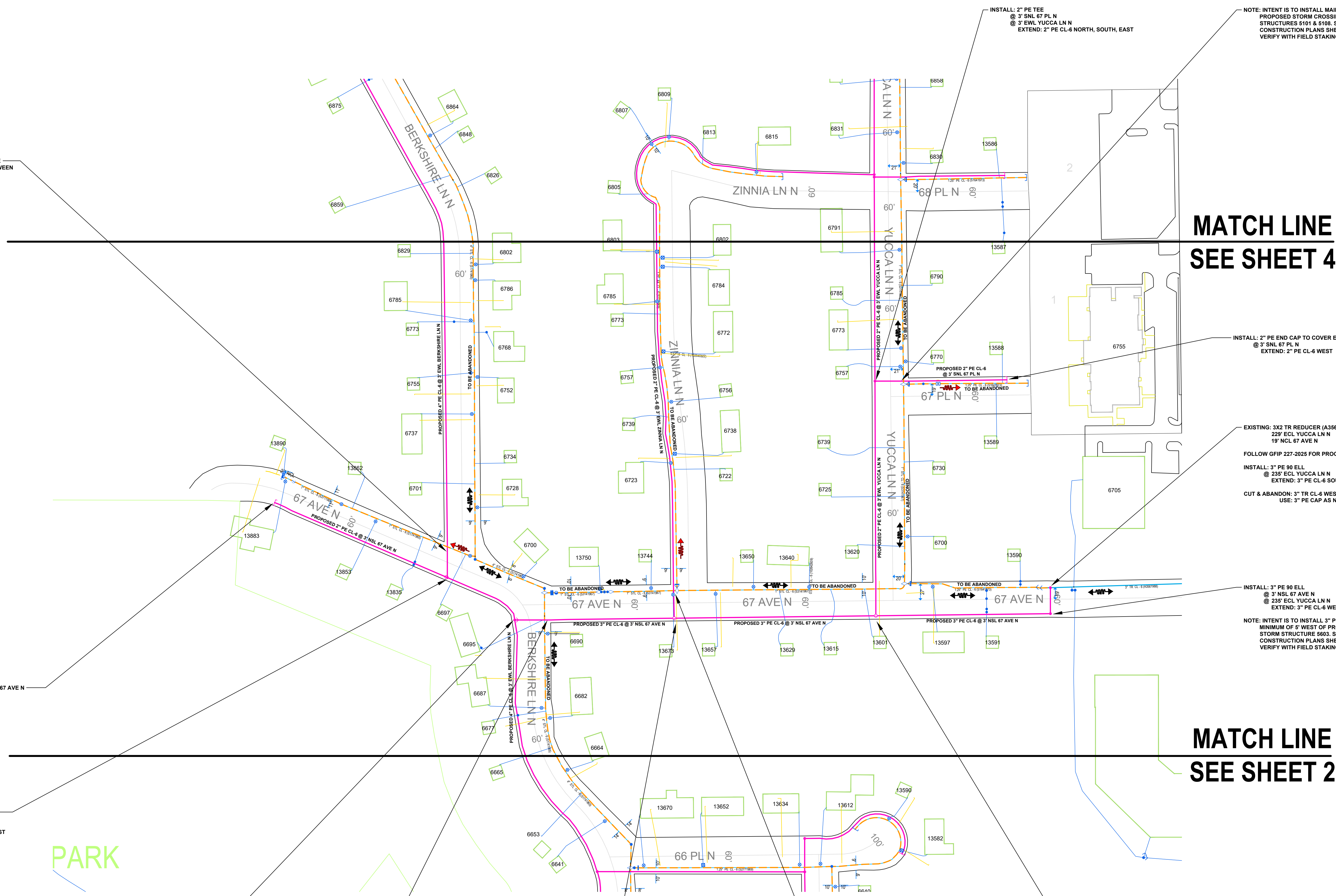
Proposed Abandoned Pipe

4'	1" PE Class 6
4526'	1" STL Class 6
2529'	1-1/4" STL Class 6
8'	1-1/4" STL Class 6
3'	2" STL Class 6
3286'	4" STL Class 6
2189'	GENERIC PLASTIC OTHER MAN - 1" 1/4" Class 6
48'	GENERIC PLASTIC OTHER MAN - 2" Class 6
11'	GENERIC PLASTIC OTHER MAN - 3" Class 6
15'	GENERIC PLASTIC OTHER MAN - 4" Class 6
12999'	TOTAL PIPE

COPIES:
 PIPELINE INTEGRITY PACKET: N
 STATION MANAGER: N
 DD NUMBER: N/A
 CORROSION: PATRICK CARLSON
 EMP: N
 SITE CONTACT: TANNER BAKKE (WSB) 612-289-1178
 SURVEYOR REQUIRED? N
 RETURN PACKET TO ENG? N
 JOB BRIEFING REQUIRED? Y
 GFIP #: 227-2025
 PERMITS: CITY OF MAPLE GROVE
 HENNEPIN COUNTY

PROJECT DESCRIPTION: SREL
 NORTH DONAHUE
DESIGNER: KEVIN SCOTT
 PHONE#: 612-321-4454
DRAWN BY: KEVIN SCOTT
 DESIGN DATE: 03/12/2025
REVISION INFO:

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 Signature: *Eric Yang*
 Eric Yang
 Date: 3/12/2025 License Number: 56613



**MATCH LINE
 SEE SHEET 4**

**MATCH LINE
 SEE SHEET 2**

NOTE: INTENT IS TO INSTALL MAIN ABOVE PROPOSED STORM CROSSING BETWEEN STRUCTURES 5809 & 5810. SEE CONSTRUCTION PLANS SHEET 58 & VERIFY WITH FIELD STAKING.

NOTE: INTENT IS TO INSTALL MAIN UNDERNEATH PROPOSED STORM CROSSING BETWEEN STRUCTURES 5101 & 5108. SEE CONSTRUCTION PLANS SHEET 70 & VERIFY WITH FIELD STAKING.

INSTALL: 2" PE END CAP TO COVER END SERVICE #13588 67 PL N @ 3' NSL 67 PL N EXTEND: 2" PE CL-6 WEST

EXISTING: 3X2 TR REDUCER (A3561988) 229' ECL YUCCA LN N 19' NCL 67 AVE N
 FOLLOW GFIP 227-2025 FOR PROCEDURE
 INSTALL: 3" PE 90 ELL @ 235' ECL YUCCA LN N EXTEND: 3" PE CL-6 SOUTH
 CUT & ABANDON: 3" TR CL-6 WEST USE: 3" PE CAP AS NEEDED

INSTALL: 3" PE 90 ELL @ 3' NSL 67 AVE N @ 235' ECL YUCCA LN N EXTEND: 3" PE CL-6 WEST
 NOTE: INTENT IS TO INSTALL 3" PE 90 ELL A MINIMUM OF 5' WEST OF PROPOSED STORM STRUCTURE 5603. SEE CONSTRUCTION PLANS SHEET 67 & VERIFY WITH FIELD STAKING.

INSTALL: 2" PE END CAP TO COVER END SERVICE #13890 67 AVE N @ 3' NSL 67 AVE N EXTEND: 2" PE CL-6 EAST

INSTALL: 4" PE TEE @ 3' NSL 67 AVE N @ 3' EWL BERKSHIRE LN N EXTEND: 4" PE CL-6 NORTH, EAST
 4X2 PE REDUCER WEST EXTEND: 2" PE CL-6 WEST

INSTALL: 4" PE TEE @ 3' NSL 67 AVE N @ 3' EWL BERKSHIRE LN N EXTEND: 4" PE CL-6 NORTH, SOUTH
 4X3 PE REDUCER EAST EXTEND: 3" PE CL-6 EAST

NOTE: INTENT IS TO INSTALL MAIN SOUTH OF PROPOSED STORM STRUCTURE 5802. SEE CONSTRUCTION PLANS SHEET 66 & VERIFY WITH FIELD STAKING.

INSTALL: 3X2 HVPT @ 3' NSL 67 AVE N @ 3' EWL ZINNIA LN N EXTEND: 2" PE CL-6 NORTH EXTEND: 3" PE CL-6 EAST, WEST

NOTE: INTENT IS TO INSTALL MAIN UNDERNEATH PROPOSED STORM CROSSING BETWEEN STRUCTURES 5801 & 5800. SEE CONSTRUCTION PLANS SHEET 66 & VERIFY WITH FIELD STAKING.

INSTALL: 3X2 HVPT @ 3' NSL 67 AVE N @ 3' EWL YUCCA LN N EXTEND: 2" PE CL-6 NORTH EXTEND: 3" PE CL-6 EAST, WEST

PARK

3/12/2025 8:56:17 AM

SCALE: 1" = 80'
 SHEET 3 OF 4

SEE COVER SHEET FOR NOTES AND PROCEDURES



PROPRIETARY AND CONFIDENTIAL
 PROJECT #: 113493656
 CITY: MAPLE GROVE
 COUNTY: HENNEPIN

LEGEND:

—	IN SERVICE
- - -	PROPOSED
- - - - -	PROPOSED ABANDONED
○	ABANDONED
- - - - -	NOT A PART OF PROJECT SEE NOTES

Pipe Summary

8505'	2" PE Class 6
902'	3" PE Class 6
3200'	4" PE Class 6
12907'	TOTAL PIPE

Proposed Abandoned Pipe

4'	1" PE Class 6
4526'	1" STL Class 6
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COPIES:
 PIPELINE INTEGRITY PACKET: N
 STATION MANAGER: N
 DD NUMBER: N/A
 CORROSION: PATRICK CARLSON
 EMP: N
 SITE CONTACT: TANNER BAKKE (WSB)
 612-289-1178
 SURVEYOR REQUIRED? N
 RETURN PACKET TO ENG? N
 JOB BRIEFING REQUIRED? Y
 GFIP #: 227-2025
 PERMITS: CITY OF MAPLE GROVE
 HENNEPIN COUNTY

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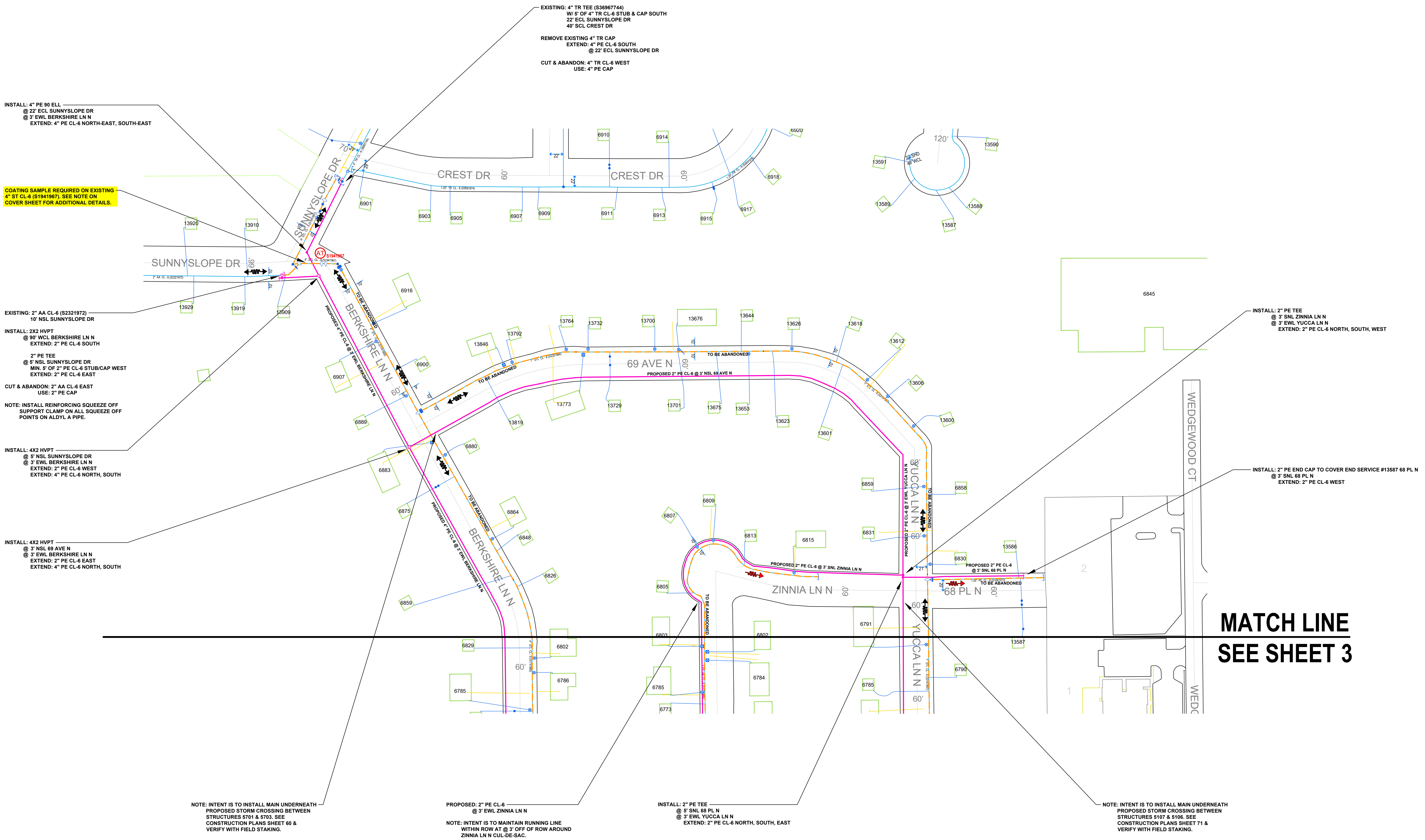
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 Eric Yang

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 Date: 3/12/2025 License Number: 56613

MAIN SCALE: 1" = 80'
 SS#: SHEET 4 OF 4



**MATCH LINE
 SEE SHEET 3**