

# VILLAGE OF DIAMOND

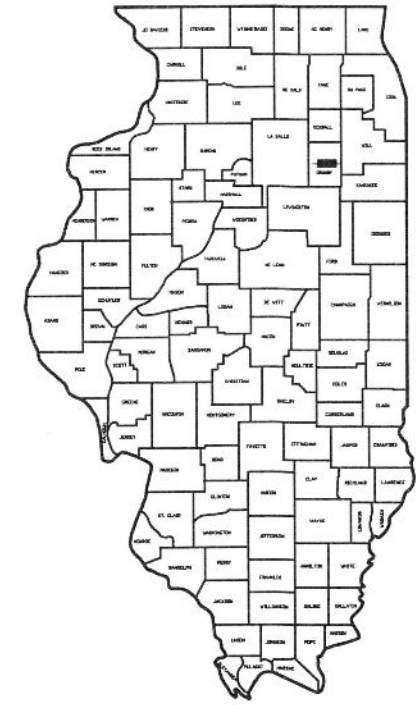
## McGINTY LIFT STATION FORCE MAIN IMPROVEMENT

### GRUNDY COUNTY, ILLINOIS

#### 2025

**INDEX OF SHEETS:**

1. COVER SHEET
2. GENERAL NOTES & DETAILS
3. DETAILS
4. LIFT STATION DETAILS
- 5-7. PLAN AND PROFILES



LOCATION OF PROJECT INDICATED THIS —



**LOCATION MAP**

**BENCHMARKS**

FIRE HYDRANT "OPEN" S.W. CORNER OF McGINTY & CLARK STREET  
ELEV. 559.01

FIRE HYDRANT "OPEN" N.W. CORNER OF McGINTY & RTE. 113  
ELEV. 559.25

CUT "□" CONCRETE BASE LP N.W. CORNER OF McGINTY & RTE. 113  
ELEV. 559.38

CHISELED "X" CONCRETE BASE OF LP S.E. CORNER OF DEWEY & CLARK STREET  
ELEV. 562.12

MAG SPIKE IN PP S.E. CORNER OF CLARK & WALL STREET  
ELEV. 563.24

UTILITY SERVICE	CONTACT	TELEPHONE NO.
WATER	VILLAGE OF DIAMOND WATER DEPARTMENT	(815) 634-8149
ELECTRICAL POWER	ComEd	(800) 334-7861
NATURAL GAS	NICOR	(888) 642-6748
TELEPHONE	AT&T	(800) 244-4444
CABLE	COMCAST	(866) 594-1234
SANITARY SEWER	VILLAGE OF DIAMOND SEWER DEPARTMENT	(815) 634-8149



PERU MORRIS  
OTTAWA  
ILLINOIS

DRAWN BY: LMP	REVISIONS			
	LEVEL	BY	DATE	DESCRIPTION
CHECKED BY: MWP				
DATE: 07/2025				

<b>BIDDING PLANS</b>	CURRENT AS OF: 03/30/2026	
	SCALE: AS NOTED	SHEET 1
	FILE NO.: 5995.00 Y-	OF 7

**VILLAGE OFFICIALS**

MAYOR: TERESA KERNC

VILLAGE TREASURER: WENDY HERBERT

VILLAGE CLERK: LAURA WARREN

PUBLIC WORKS SUPERVISOR: JIM DUNNING

PLANNING & ZONING COORDINATOR: CINDY HAYWOOD

COMMISSIONERS: DAVE WARNER  
DEAN JOHNSON  
JEFF KASHER  
DENISE BROWN

VILLAGE ENGINEER:

CHAMLIN & ASSOCIATES, INC.  
4152 PROGRESS BOULEVARD  
PERU, IL. 61354  
PHONE: (815) 223-3344  
FAX: (815) 223-3348

3-30-26  
date



signature  
MICHAEL W. PERRY

**GENERAL NOTES**

The Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction" adopted January 1, 2022 and the "Standard Specifications for Water and Sewer Construction in Illinois" July 2020 shall govern applicable portions of this project.

It shall be the responsibility of the Contractor to examine the Plans and Specifications, visit the work site, be informed of the work involved, be informed of federal, state, and local laws, local code requirements, ordinances, rules and regulations, and any other items which may affect the cost and/or time to complete the project. It is the Contractor's responsibility to notify the Engineer should any discrepancies be noticed between the Plans, Specifications, or worksite.

The location of existing underground or overhead utilities if shown on the Plans is for the convenience of the Bidder only. The Owner and/or Engineer assumes no responsibility whatsoever with respect to the accuracy or completeness of the information shown. It shall be the responsibility of the Contractor to determine the actual location of all such utilities.

The Contractor shall be responsible for the proper protection of all existing public or private roadways, structures, and utilities prior to the start of construction and shall be responsible for any damage to said roadways, structures, and utilities. Any roadway, structure, or utility that is damaged during construction shall be repaired or replaced by the Contractor at the Contractor's expense.

All field drainage tile damaged during construction shall be repaired to the satisfaction of the Engineer or rerouted to a location determined by the Engineer. Should the repair not be included for payment as a Bid Item, payment will be made for tile repairs at a pre-approved unit price.

When survey control points are set by the Engineer to establish the horizontal and vertical control required for the construction of the various contract items of work, the Engineer shall be responsible for the accuracy of the control points set. The Contractor shall assume full responsibility for all measurements taken or derived by the Contractor from control points set by the Engineer.

The Contractor shall protect and preserve all control points or reference stakes set by the Engineer. Should the Contractor disturb any control point or reference stake without the prior approval of the Engineer, the Engineer may deduct the direct engineering cost incurred in the re-establishment of the control point or reference stake from compensation due the Contractor.

When the Owner employs multiple Contractors, each Contractor shall conduct his/her work so as to not interfere with or hinder the progress or completion of the work being performed by other Contractors and/or Utility Companies.

Each Contractor shall assume all liability, financial or otherwise, in connection with his/her contract and shall protect and hold harmless the Owner and Engineer from any and all damages or claims that may arise due to inconvenience, delay, or loss experienced by the Contractor caused by the presence and operation at other Contractors and/or Utility Companies working within the limits of the project.

Traffic control shall be in accordance with applicable portions of the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction" adopted January 1, 2022 and the latest edition of the "Illinois Manual for Uniform Traffic Control for Streets and Highways". Traffic Control shall also be in accordance with Traffic Control Highway Standards 701101, 701106, 701501 and 701901. The Contractor shall be solely responsible for use of appropriate Illinois Department of Transportation Highway Standards pertaining to traffic control for the entire duration of the project and solely liable for any accidents, which may occur due to inadequate traffic control.

All roadways shall remain open throughout the project unless prior consent is granted by the Owner and/or the Municipality for any Contractor-requested roadway closures. The Contractor shall make arrangements or schedule work so that access to properties within the work site is maintained at all times.

Unless otherwise provided, traffic control shall be considered incidental to the contract.

Soil erosion and sediment control shall be in accordance with applicable portions of the Illinois Environmental Protection Agency's "Standard Specifications for Soil Erosion and Sediment Control" dated 1987.

Provisions shall be made to minimize the transport of sediment by vehicular traffic from the construction site. All streets shall be cleaned daily or as necessary to remain free of sediment and debris caused by construction activities. Adjacent properties shall be protected from sediment deposition by use of an acceptable erosion control practice such as vegetative buffer strips or sediment barriers. All erosion control measures, whether or not specifically listed as Bid Items or addressed in the Specifications, shall be considered incidental to the contract and will not be paid for separately.

Pipe lengths shown are horizontal only. Contractor is responsible for determining actual installed pipe lengths, including all vertical components.

Dewatering, if necessary, shall be the responsibility of the Contractor. All dewatering required to complete the work, including any permits, equipment, and discharge control, shall be considered incidental to the contract and will not be paid for separately.

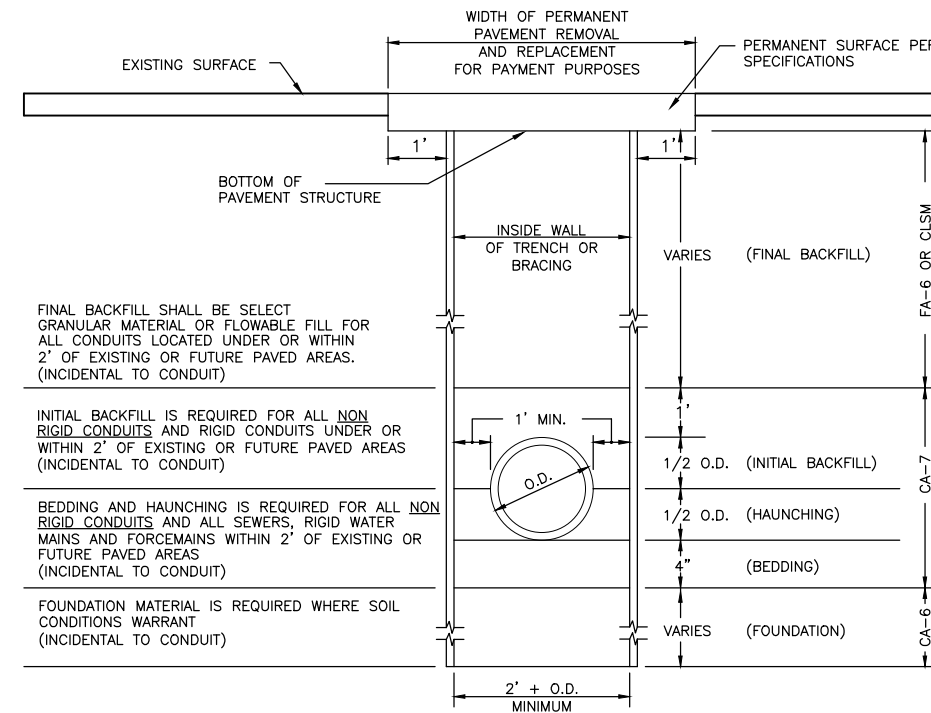
When requested by the Owner, the Engineer shall provide construction inspection to ascertain the work is in substantial conformance with the Contract Documents and with the design intent. The Engineer's undertaking shall not relieve the Contractor from the Contractor's obligation to perform work in conformity with the Plans and Specifications and in a workmanlike manner, shall not make the Engineer an insurer of the Contractor's performance; and shall not impose upon the Engineer any obligation to ensure that the work is performed in a safe manner. The Contractor shall be totally responsible for safety for this project.

Before acceptance and subsequent Final Payment, all work shall be inspected and approval by the Owner or his representative. Final payment shall be made only after all of the Contractor's work has been approved and inspected.

ELEVATION ESTABLISHED  
BY GPS (NAVD 88)

**LEGEND**

—————	PROPOSED SANITARY SEWER	☒	METER BOX
—————	PROPOSED FORCEMAIN	O.L.	OPEN LID
—————	EXISTING SANITARY SEWER	C.L.	CLOSED LID
—————	EXISTING STORM SEWER	⊥	EXISTING WATER SERVICE SHUT OFF
—————	EXISTING WATER MAIN	⊙	PROPOSED MANHOLE
—————	RIGHT OF WAY LINE	⊙	EXISTING MANHOLE
—————	FENCE LINE	⊥	EXISTING FIRE HYDRANT
—————	FIBER OPTIC	⊥	EXISTING WATER SHUT OFF VALVE
—————	PROPOSED SILT FENCE	□	EXISTING INLET OR CATCH BASIN
-----550-----	EXISTING MAJOR CONTOUR	● OR ○ 15"	EXISTING PROPERTY MARKER
-----552-----	EXISTING MINOR CONTOUR	⊙	TREE WITH DIAMETER SIZE
-----552-----	PROPOSED MAJOR CONTOUR	⊙	BUSH
-----552-----	PROPOSED MINOR CONTOUR	⊗	RAILROAD WARNING SIGNAL ARM
→	STREET SIGN	⊥	MAILBOX
→	GUY WIRE	⊙	SOIL BORING LOCATION
⊙	UTILITY POLE	⊙	F.L.S.T. FLAT SLAB TOP
○ OR ☆	LIGHT STANDARD		
⊗	GAS VALVE		



**NOTES:**  
 NON RIGID CONDUITS ARE DEFINED AS FLEXIBLE THERMOPLASTIC PIPE.  
 MAXIMUM QUANTITIES FOR PAYMENT PURPOSES ARE AS IDENTIFIED PER THE TABLES FOR PAYMENT QUANTITIES PER LINEAR FOOT OF CONDUIT. ANY ADDITIONAL EXCAVATION SHALL BE BACKFILLED PER THE ABOVE REQUIREMENTS AT THE CONTRACTOR'S EXPENSE.  
 TRENCH BOX SHALL NOT EXTEND BELOW THE TOP OF THE PIPE NOR SHALL IT EXCEED 2 FEET FROM THE BOTTOM OF THE TRENCH.

**TYPICAL CONDUIT INSTALLATION DETAIL**

N.T.S.

CHAMLIN & ASSOCIATES, INC. © 2025. Drawing Name: G:\Users\j\Documents\2025\CAD\002-GENERAL NOTES & DETAIL.dwg. Last Modified: Monday, March 30, 2026 9:12:57 AM. Plotted On: Monday, March 30, 2026 9:06:13 AM. by Jonathan Covert

DRAWN BY: LMP	REVISIONS			
CHECKED BY: MWP	LEVEL	BY	DATE	DESCRIPTION
DATE: 06/2025				

**CA**  
 Chamlin & Associates

PERU MORRIS  
 OTTAWA  
 ILLINOIS

VILLAGE OF DIAMOND  
**McGINTY LIFT STATION FORCE MAIN IMPROVEMENT**  
 2025

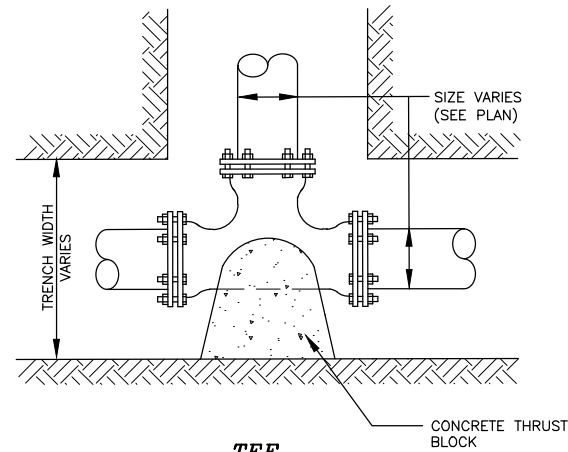
GENERAL NOTES  
 AND DETAILS

**BIDDING PLANS**

CURRENT AS OF: 03/30/2026

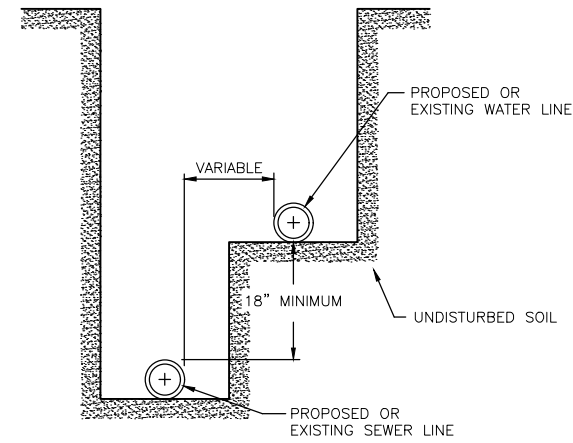
SCALE: AS NOTED SHEET 2

FILE NO.: 5995.00 Y- OF 7



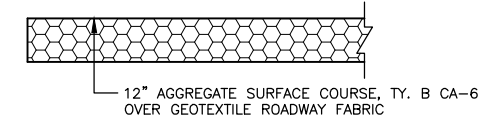
**TEE**

NOTE:  
ALL BLOCKING SHALL BE POURED  
CONCRETE, AGAINST UNDISTURBED  
VERTICAL GROUND FACE.



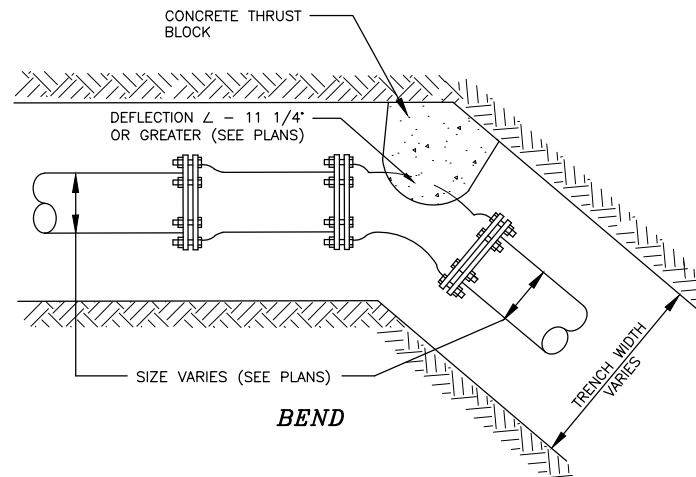
**WATER AND SEWER  
SEPARATION REQUIREMENTS**

N.T.S.



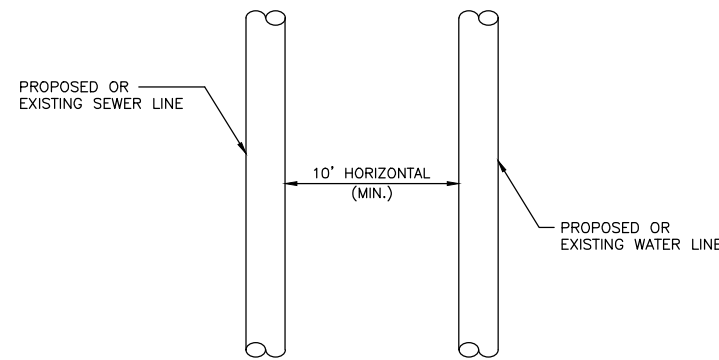
**AGGREGATE DRIVEWAY TYPICAL SECTION**

N.T.S.



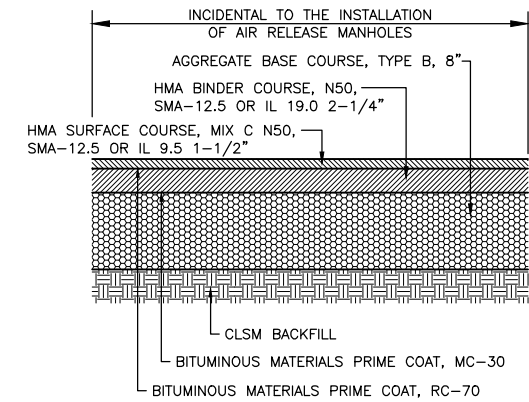
**BEND**

WHEN PROPOSED SEWER (OR WATER) IS LOCATED 10 FEET OR MORE  
FROM EXISTING WATER (OR SEWER), NO SPECIAL CONSTRUCTION REQUIRED.  
SEE SECTION 41-2.01B (1)



**PLAN VIEW**

WHEN PROPOSED SEWER (OR WATER) IS LOCATED LESS THAN 10 FEET  
FROM EXISTING WATER (OR SEWER), DETAILS BELOW SHALL APPLY.  
SEE SECTION 41-2.01B (2)



**PAVEMENT PATCHING, CLASS D - TYPICAL SECTION**

N.T.S.

CHAMLIN & ASSOCIATES, INC. © 2022  
 Drawing Name: G:\Users\j\5995-00-Diamond-McGinty St. Forcemain Improvement. 2025 CAD\03-DETAILS.dwg Last Modified: Monday, March 30, 2026 9:05:42 AM Plotted On: Monday, March 30, 2026 9:13:42 AM by Jonathan Covert

DRAWN BY: LMP	REVISIONS			
	LEVEL	BY	DATE	DESCRIPTION
CHECKED BY: MWP				
DATE: 06/2025				



PERU MORRIS  
OTTAWA  
ILLINOIS

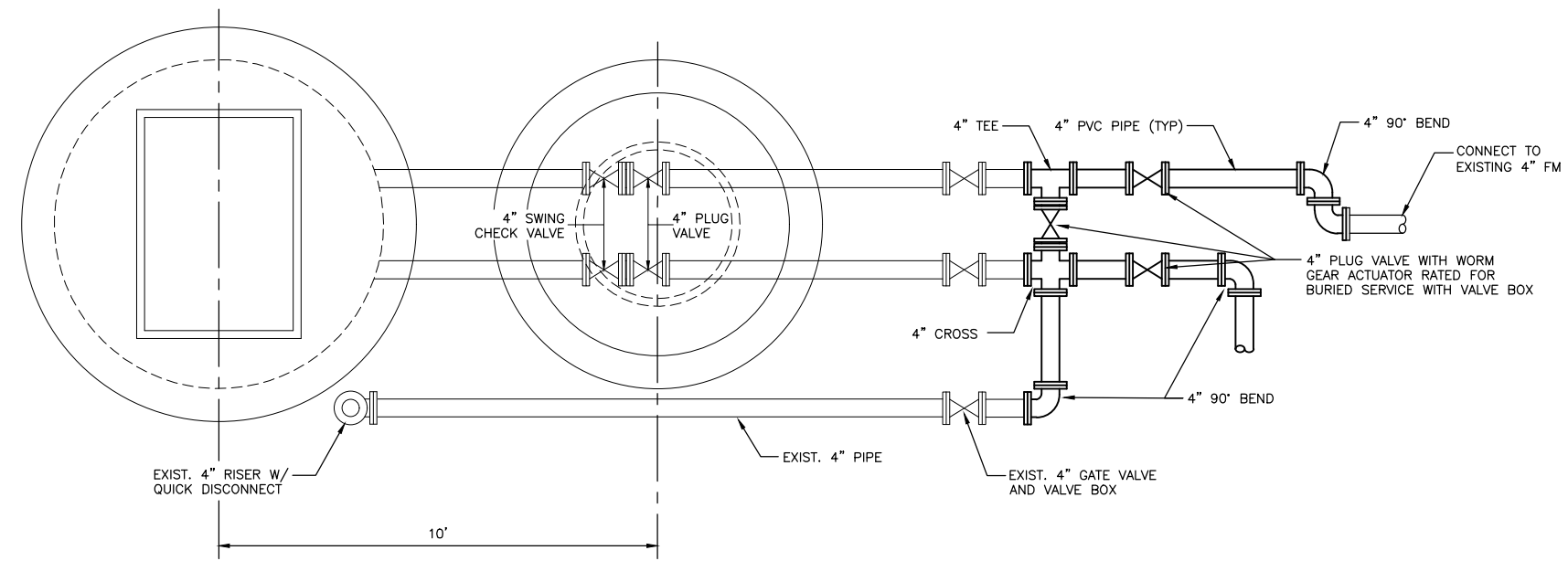
VILLAGE OF DIAMOND  
McGINTY LIFT STATION FORCE MAIN IMPROVEMENT  
2025

DETAILS

**BIDDING  
PLANS**

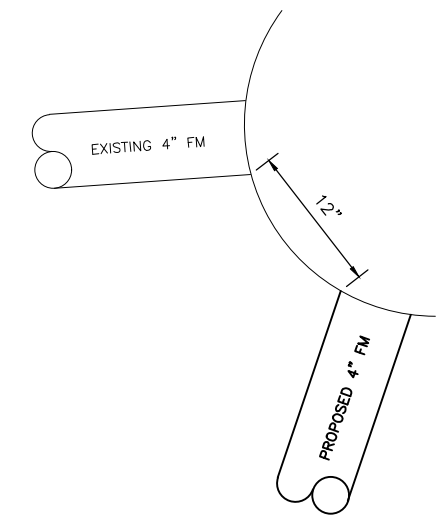
CURRENT AS OF: 03/30/2026	
SCALE: AS NOTED	SHEET 3
FILE NO.: 5995.00 Y-	OF 7

CHAMLIN & ASSOCIATES, INC. © 2022  
 Drawing Name: G:\Users\jg\9995-00-Diamond-McGinty-St-ForceMain-Improvement-2025\CAD\04-LIFT STATION DETAILS.dwg  
 Last Modified: Monday, March 30, 2026 9:08:10 AM  
 Plotted On: Monday, March 30, 2026 9:15:21 AM  
 by Jonathan Covert

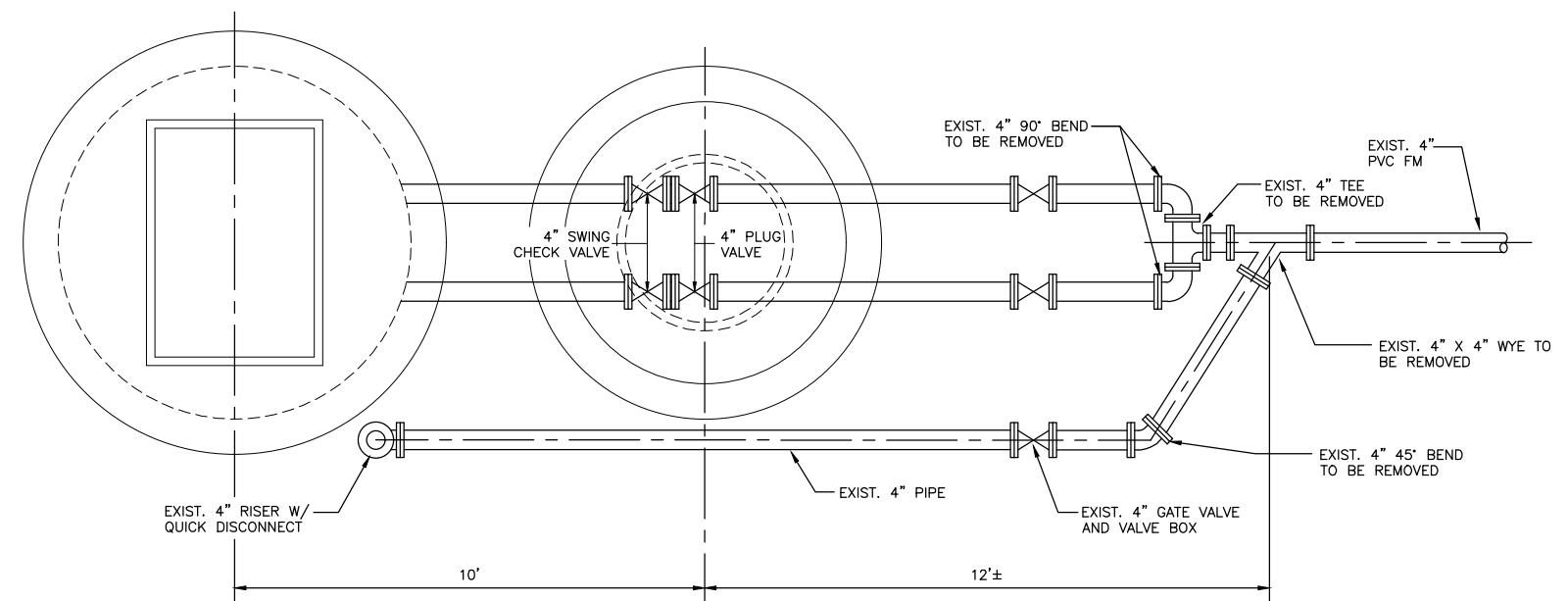


**PROPOSED PLAN VIEW**

NOTE:  
CONTRACTOR TO FIELD VERIFY



**DETAIL "A"**  
N.T.S.

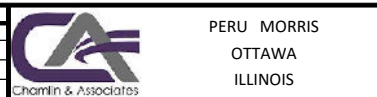


**EXISTING PLAN VIEW**

NOTE:  
CONTRACTOR TO FIELD VERIFY

PLUG VALVES SHALL BE ECCENTRIC PLUG VALVES AS MANUFACTURED BY "VAL-MATIC" OR APPROVED EQUAL  
 FORCE MAIN PVC PIPE SHALL BE RESTRAINED JOINTS MEETING ASTM D-2241 AND ALSO CONFORMING ASTM F477 AND D-3139  
 FORCE MAIN FITTINGS SHALL BE DUCTILE IRON AND CONFORM TO ANSI/AWWA C110/A21.10 OR C153/A21.53 FITTINGS ARE TO BE CONSIDERED INCIDENTAL  
 INSTALL TWO TRACER WIRES ON ALL NEW PVC PIPE  
 AS PART OF THE WORK THE CONTRACTOR SHALL FINAL GRADE SITE TO DRAIN, PROVIDE TOPSOIL, FERTILIZE, AND SEED AREA WITH A LAWN MIX GRASS SEED. PROVIDE MULCH TO PROTECT DISTURBED AREAS.

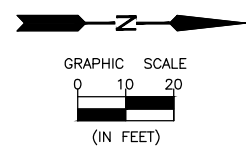
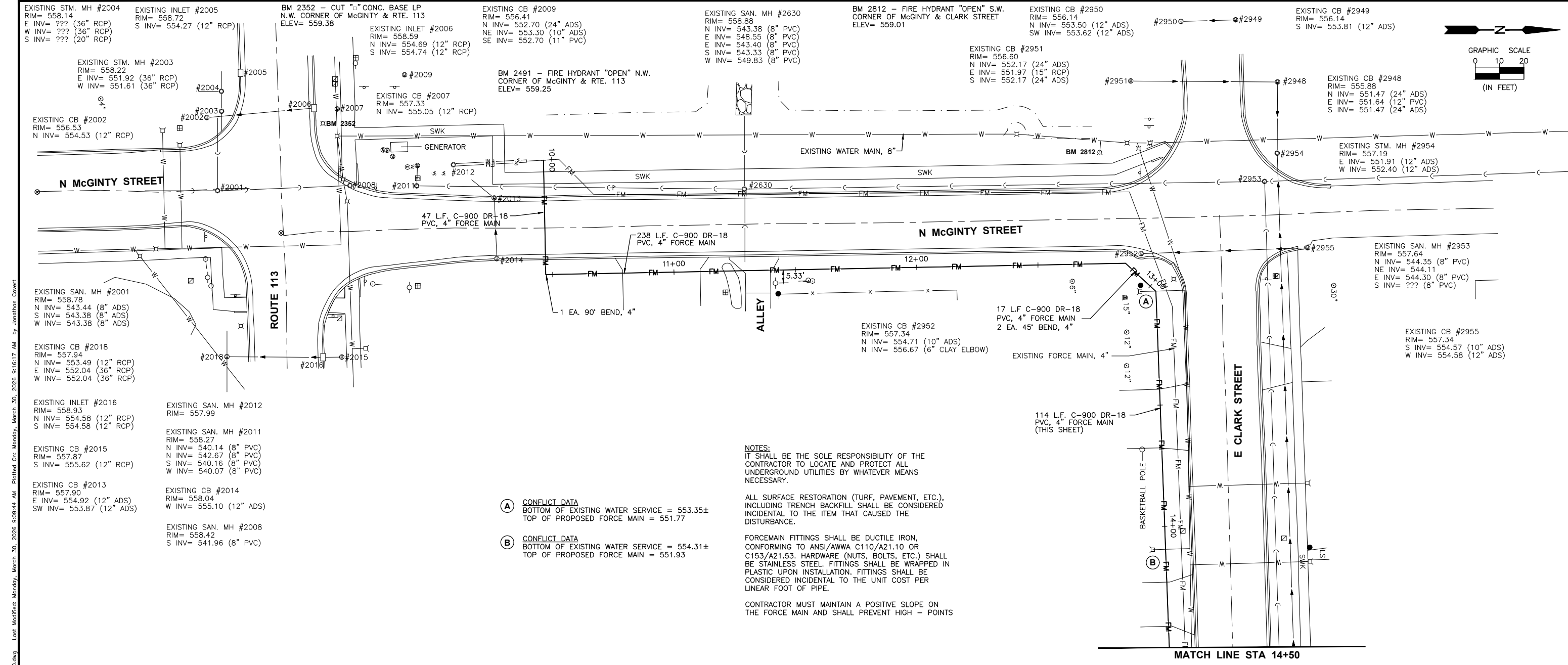
DRAWN BY: LMP	REVISIONS			
CHECKED BY: MWP	LEVEL	BY	DATE	DESCRIPTION
DATE: 06/2025				



VILLAGE OF DIAMOND  
 MCGINTY LIFT STATION FORCE MAIN IMPROVEMENT  
 2025

VALVE VAULT PIPING

<b>BIDDING PLANS</b>	CURRENT AS OF: 03/30/2026	
	SCALE: AS NOTED	SHEET 4
	FILE NO.: 5995.00 Y-	OF 7



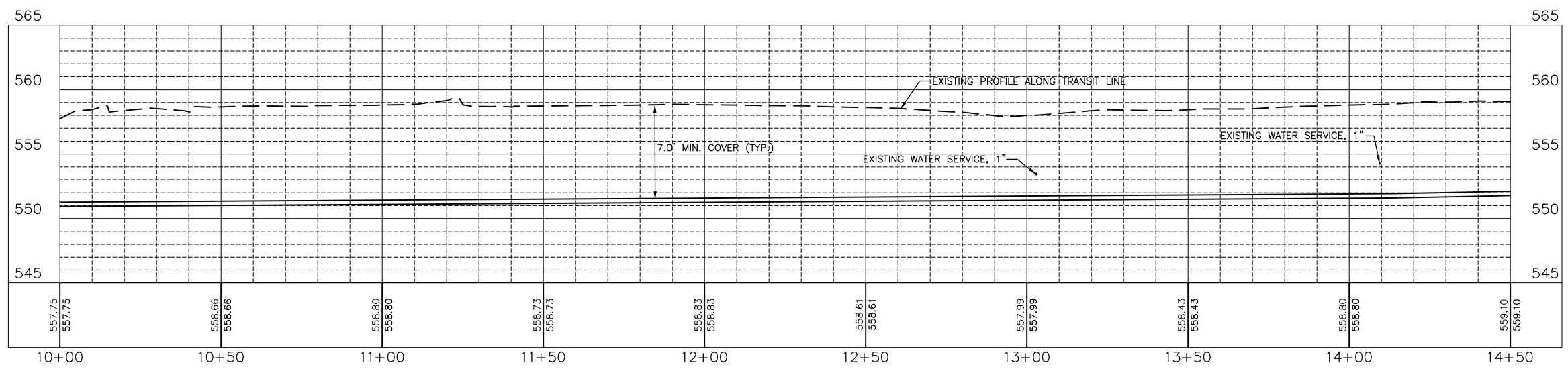
**NOTES:**  
 IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT ALL UNDERGROUND UTILITIES BY WHATEVER MEANS NECESSARY.

ALL SURFACE RESTORATION (TURF, PAVEMENT, ETC.), INCLUDING TRENCH BACKFILL SHALL BE CONSIDERED INCIDENTAL TO THE ITEM THAT CAUSED THE DISTURBANCE.

FORCEMAIN FITTINGS SHALL BE DUCTILE IRON, CONFORMING TO ANSI/AWWA C110/A21.10 OR C153/A21.53. HARDWARE (NUTS, BOLTS, ETC.) SHALL BE STAINLESS STEEL. FITTINGS SHALL BE WRAPPED IN PLASTIC UPON INSTALLATION. FITTINGS SHALL BE CONSIDERED INCIDENTAL TO THE UNIT COST PER LINEAR FOOT OF PIPE.

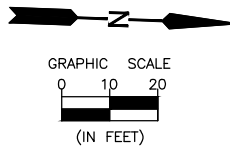
CONTRACTOR MUST MAINTAIN A POSITIVE SLOPE ON THE FORCE MAIN AND SHALL PREVENT HIGH - POINTS

- (A) CONFLICT DATA  
 BOTTOM OF EXISTING WATER SERVICE = 553.35±  
 TOP OF PROPOSED FORCE MAIN = 551.77
- (B) CONFLICT DATA  
 BOTTOM OF EXISTING WATER SERVICE = 554.31±  
 TOP OF PROPOSED FORCE MAIN = 551.93



CHAMLIN & ASSOCIATES, INC. © 2022  
 Drawing Name: G:\Users\j\3995-00-Diamond-McGinty St. Forcemain Improvement. 2025\CAD\05-PP-10-14+50.dwg  
 Last Modified: Monday, March 30, 2026 9:09:44 AM  
 Plotted On: Monday, March 30, 2026 9:16:17 AM  
 by: Jonathan Covert

DRAWN BY: LMP	CHECKED BY: MWP	DATE: 07/2025	<b>REVISIONS</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>LEVEL</th> <th>BY</th> <th>DATE</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	LEVEL	BY	DATE	DESCRIPTION													 PERU MORRIS OTTAWA ILLINOIS	<b>VILLAGE OF DIAMOND</b> <b>McGINTY LIFT STATION FORCE MAIN IMPROVEMENT</b> <b>2025</b>	<b>PLAN AND PROFILE</b> <b>STA 10+00 TO STA 14+50</b>	<b>BIDDING PLANS</b>	CURRENT AS OF: 03/30/2026 SCALE: AS NOTED FILE NO.: 5995.00 Y- OF 7
LEVEL	BY	DATE	DESCRIPTION																					

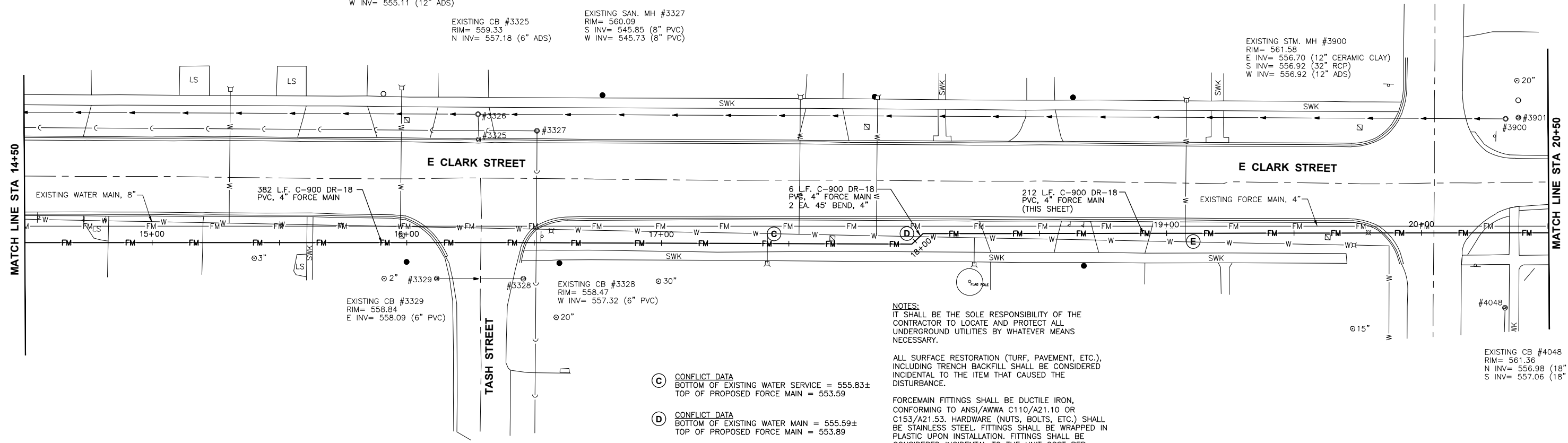


EXISTING STM. MH #3326  
RIM= 559.99  
E INV= 555.09 (12" ADS)  
S INV= 556.99 (6" ADS)  
W INV= 555.11 (12" ADS)

EXISTING CB #3325  
RIM= 559.33  
N INV= 557.18 (6" ADS)

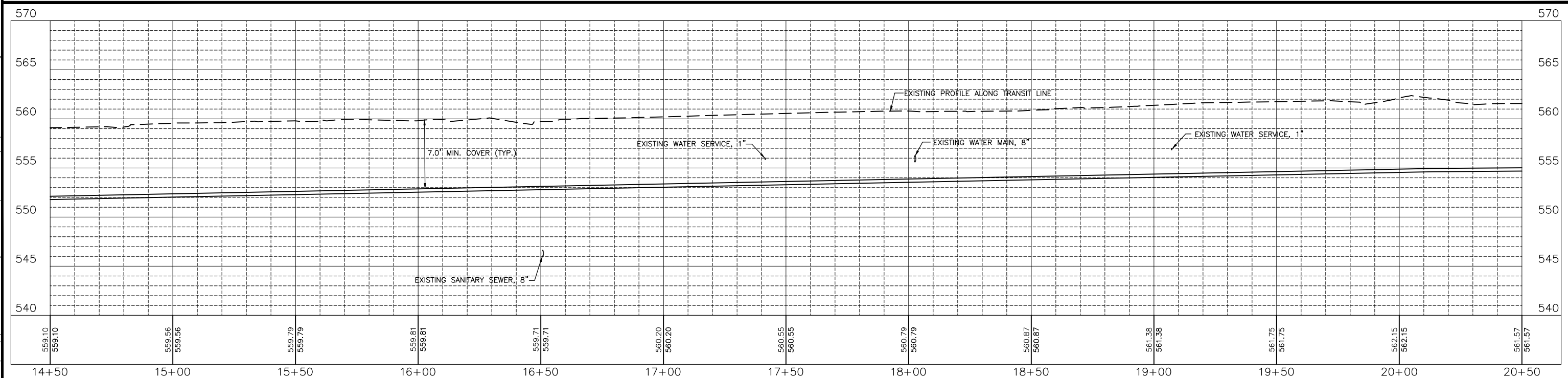
EXISTING SAN. MH #3327  
RIM= 560.09  
S INV= 545.85 (8" PVC)  
W INV= 545.73 (8" PVC)

EXISTING STM. MH #3900  
RIM= 561.58  
E INV= 556.70 (12" CERAMIC CLAY)  
S INV= 556.92 (32" RCP)  
W INV= 556.92 (12" ADS)



- (C) **CONFLICT DATA**  
BOTTOM OF EXISTING WATER SERVICE = 555.83±  
TOP OF PROPOSED FORCE MAIN = 553.59
- (D) **CONFLICT DATA**  
BOTTOM OF EXISTING WATER MAIN = 555.59±  
TOP OF PROPOSED FORCE MAIN = 553.89
- (E) **CONFLICT DATA**  
BOTTOM OF EXISTING WATER SERVICE = 556.81±  
TOP OF PROPOSED FORCE MAIN = 554.41

**NOTES:**  
IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE AND PROTECT ALL UNDERGROUND UTILITIES BY WHATEVER MEANS NECESSARY.  
  
ALL SURFACE RESTORATION (TURF, PAVEMENT, ETC.), INCLUDING TRENCH BACKFILL SHALL BE CONSIDERED INCIDENTAL TO THE ITEM THAT CAUSED THE DISTURBANCE.  
  
FORCEMAIN FITTINGS SHALL BE DUCTILE IRON, CONFORMING TO ANSI/AWWA C110/A21.10 OR C153/A21.53. HARDWARE (NUTS, BOLTS, ETC.) SHALL BE STAINLESS STEEL. FITTINGS SHALL BE WRAPPED IN PLASTIC UPON INSTALLATION. FITTINGS SHALL BE CONSIDERED INCIDENTAL TO THE UNIT COST PER LINEAR FOOT OF PIPE.  
  
CONTRACTOR MUST MAINTAIN A POSITIVE SLOPE ON THE FORCE MAIN AND SHALL PREVENT HIGH - POINTS



CHAMLIN & ASSOCIATES, INC. © 2022  
Drawing Name: G:\Users\jg995-00-Diamond-McGinty St. Forcemain Improvement. 2025\CAD\06-PP-14+50-20+50.dwg Last Modified: Monday, March 30, 2026 9:10:38 AM Plotted On: Monday, March 30, 2026 9:17:14 AM by Jonathan Covert

DRAWN BY: LMP	LEVEL	BY	DATE	REVISIONS	DESCRIPTION
CHECKED BY: MWP					
DATE: 07/2025					



PERU MORRIS  
OTTAWA  
ILLINOIS

**VILLAGE OF DIAMOND  
McGINTY LIFT STATION FORCE MAIN IMPROVEMENT  
2025**

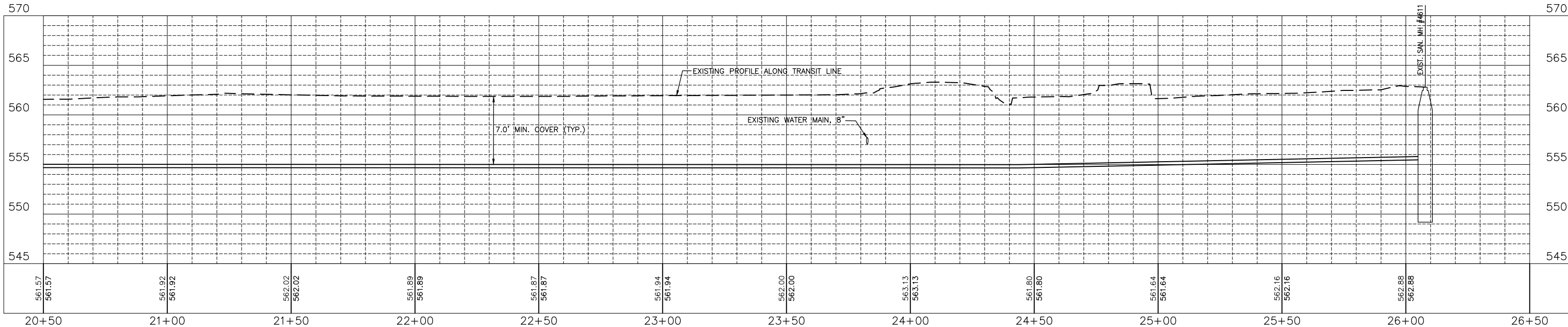
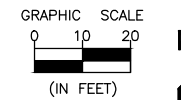
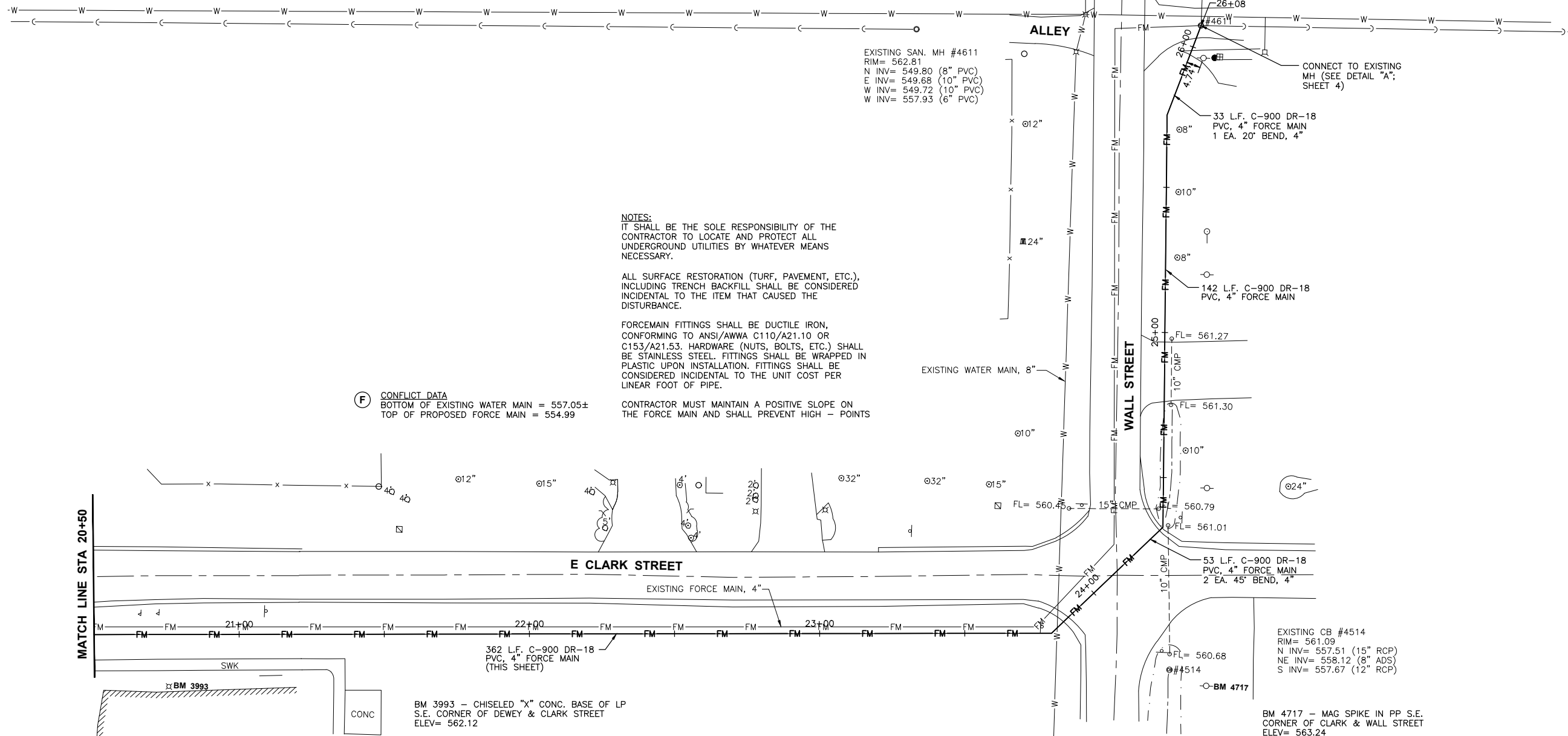
**PLAN AND PROFILE  
STA 14+50 TO STA 20+50**

**BIDDING PLANS**

CURRENT AS OF: 03/30/2026

SCALE: AS NOTED SHEET 6

FILE NO.: 5995.00 Y- OF 7



CHAMLIN & ASSOCIATES, INC. © 2025  
 Drawing Name: G:\Users\j\9995-00-Diamond-McGinty St. Forcemain Improvement. 2025\CAD\007-PP-20+50-26+50.dwg  
 Last Modified: Monday, March 30, 2026 9:11:58 AM  
 Plotted On: Monday, March 30, 2026 9:18:47 AM  
 by Jonathan Cover

DRAWN BY: LMP	LEVEL	BY	DATE	REVISIONS	DESCRIPTION
CHECKED BY: MWP					
DATE: 07/2025					



PERU MORRIS  
 OTTAWA  
 ILLINOIS

**VILLAGE OF DIAMOND**  
**McGINTY LIFT STATION FORCE MAIN IMPROVEMENT**  
 2025

**PLAN AND PROFILE**  
**STA 20+50 TO STA 26+50**

**BIDDING PLANS**

CURRENT AS OF: 03/30/2026

SCALE: AS NOTED SHEET 7

FILE NO.: 5995.00 Y- OF 7