

ADDENDUM NO. 1

TO: ALL PLAN HOLDERS

RE: Sewer Interceptor Replacement – Camden Water Utilities, Camden, Arkansas

ADDENDUM DATE: July 13, 2022

BID DATE: July 18th, 2022 at 2 p.m. (Camden Water Utilities)

The Plans, Specifications and Contract Documents for the above referenced project are hereby modified as follows:

1. Bid Proposal: Additional incidental items have been added to the bid form, no major changes from original scope of work.
2. Plans are revised to reflect minor grade changes, and clarifications. Note that the 16" DIP Creek Crossing on Sheet 12, should include pipe supports, per the aerial crossing detail.

ADDENDUM NO.1 ISSUED BY:

A.L. FRANKS ENGINEERING



Jason Haley, P.E.
Project Manager

**CAMDEN WATER UTILITIES
SANITARY SEWER IMPROVEMENTS**

**BID PROPOSAL
BID PROPOSAL - SCHEDULE A (WEST MAPLE SEWER MAIN)**

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
1	280	L.F.	Furnish & Install 8" PVC Sanitary Sewer Main (SDR 26)(0-8 ft depth) to the grade shown In the plans and specifications including all materials, Bedding, backfill, equipment and labor for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/L.F		
2	60	L.F.	Furnish & Install 15" DIP Sanitary Sewer Main (creek crossing) to the grade shown in the plans and specifications including all clearing & grubbing, pipe connection, materials, bedding, backfill, equipment and labor for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/L.F		

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
3	2	EA	Perform connection to existing concrete manhole for new 8" sewer main including all materials, equipment and labor for the unit price of _____ _____ Dollars and Cents/EA	\$ _____	\$ _____
4	1	EA	Furnish & Install 4-ft diameter precast concrete manhole (6-ft depth) including removal of existing manhole as indicated in the plans and specifications including all materials, Bedding, backfill, equipment and labor for the unit price of _____ _____ Dollars and Cents/EA	\$ _____	\$ _____

BID PROPOSAL CONTINUED
BID PROPOSAL - SCHEDULE B (30" INTERCEPTOR)

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
5	11	EA	Furnish & Install 5-ft diameter precast concrete manhole (0-8 ft depth) as shown on the plans including all excavation, bedding, gaskets, grout, and incidentals necessary for the installation of the manholes per plan and specifications for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/EA		
6	96	V.F.	Furnish & Install manhole extra vertical depth as required to achieve grades as shown in the plans for 5-ft diameter precast manholes including all materials, backfill, equipment and labor for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/V.F		

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
7	1	L.S.	Furnish & Install Trench Protection associated with Excavation for the sewer main installation. Contractor shall provide and implements safety features in accordance With OSHA Standards for the lump sum price of _____ _____ Dollars and Cents/L.S.	\$ _____	\$ _____
8	272	L.F.	Perform installation of 30-inch diameter PVC Sewer Main ASTM F679 (pipe provided by owner) by trenching (6-8 ft depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
9	654	L.F.	Perform installation of 30-inch diameter PVC Sewer Main ASTM F679 (pipe provided by owner) by trenching (8-10 ft depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____
10	937	L.F.	Perform installation of 30-inch diameter PVC Sewer Main ASTM F679 (pipe provided by owner) by trenching (10-12 ft depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
11	428	L.F.	Perform installation of 30-inch diameter PVC Sewer Main ASTM F679 (pipe provided by owner) by trenching (12-14 ft depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____
12	648	L.F.	Perform installation of 30-inch diameter PVC Sewer Main ASTM F679 (pipe provided by owner) by trenching (14-16 ft depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
13	549	L.F.	Perform installation of 30-inch diameter PVC Sewer Main ASTM F679 (pipe provided by owner) by trenching (16-18 ft depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____
14	98	L.F.	Perform installation of 30-inch diameter PVC Sewer Main ASTM F679 (pipe provided by owner) by BORE (up to 8-ft depth)(2 creek crossings) to include all labor and equipment per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
15	9	EA	Plug and abandon existing manhole per plans and specifications for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/EA		
16	500	C.Y.	Perform installation of additional gravel embeddment as approved by engineer due to poor soil conditions to include material, excavation, equipment, and labor per plans and specifications for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/C.Y.		

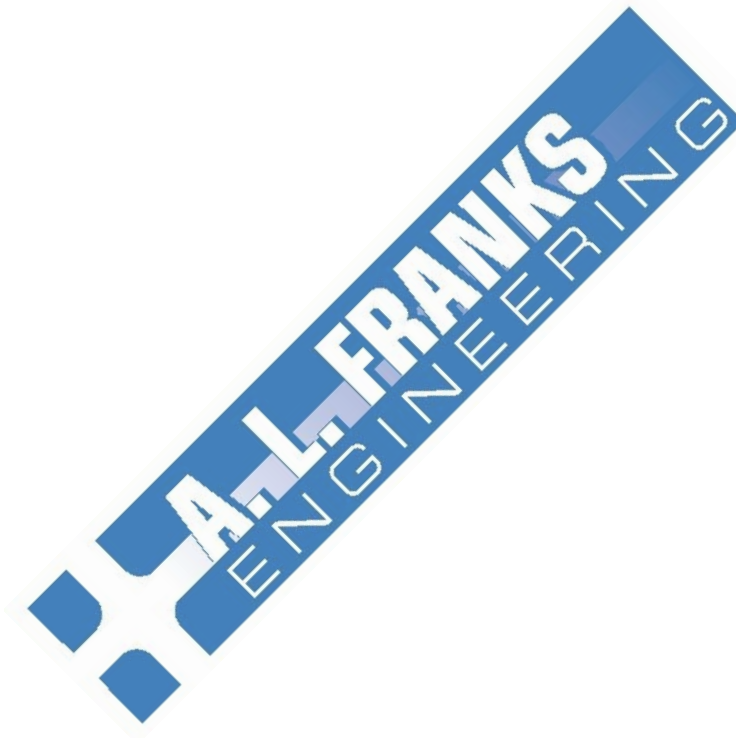
BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
17	3582	L.F.	Perform trench dewatering for sewer main installation to include all materials, equipment, pumps, labor, and operation as necessary to dewater soils for sewer main installation per plans and specifications for the unit price (linear foot of sewer main) of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____
18	1	L.S.	Provide stabilization of disturbed soil and establish Permanent vegetation in accordance with Stormwater Pollution Prevention Plan for the unit price of _____ _____ Dollars and Cents/L.S.	\$ _____	\$ _____

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
19	30	C.Y.	Provide and Install rock rip-rap (8-10") with filter fabric for bank protection and erosion prevention as noted in the Stormwater Pollution Prevention Plan for the unit price of _____ _____ Dollars and Cents/C.Y.	\$ _____	\$ _____
20	52	L.F.	Provide & Install 21" PVC Sanitary Sewer Main (F679) by trenching (12-14" depth) to include pipe, bedding, connections to manholes, labor, equipment, and all incidental materials in accordance with the plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____

BID PROPOSAL CONTINUED



BID PROPOSAL- SCHEDULE C- INTERCEPTOR 2

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
21	215	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (6-8' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of	\$ _____	\$ _____
			<div><div></div><div></div><div>Dollars and Cents/L.F.</div></div>		
22	1035	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (8-10' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of	\$ _____	\$ _____
			<div><div></div><div></div><div>Dollars and Cents/L.F.</div></div>		

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
23	575	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (10-12' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____
24	100	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (12-14' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
25	100	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (14-16' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____
26	50	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (18-20' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
27	50	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (20-22' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/L.F.		
28	370	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (22-24' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/L.F.		

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
29	180	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (24-26' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/L.F.		
30	155	L.F.	Furnish & Install 24" PVC Sanitary Sewer Main ASTM F679 (pipe provided by owner) by trenching (26-28' depth) to include all labor, equipment, bedding materials as per plans and specifications for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/L.F.		

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
31	9	EA	Furnish & Install 5-ft diameter precast concrete manhole (0-8 ft depth) as shown on the plans including all excavation, bedding, gaskets, grout, and incidentals necessary for the installation of the manholes per plan and specifications for the unit price of _____ _____ Dollars and Cents/EA	\$ _____	\$ _____
32	500	V.F.	Provide & Install Extra Vertical Depth for 5-ft Diameter Precast concrete manhole (item 30) as required to achieve grades as shown in the plans. Item shall include all materials, labor and equipment as required per plans and specifications for the unit price of _____ _____ Dollars and Cents/V.F	\$ _____	\$ _____

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
33	500	C.Y.	Perform installation of additional gravel embeddment as approved by engineer due to poor soil conditions to include material, excavation, equipment, and labor per plans and specifications for the unit price of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/C.Y.		
34	2830	L.F.	Perform trench dewatering for sewer main installation to include all materials, equipment, pumps, labor, and operation as necessary to dewater soils for sewer main installation per plans and specifications for the unit price (linear foot of sewer main) of	\$ _____	\$ _____
			_____ Dollars and _____ Cents/L.F		

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
35	1	L.S.	Furnish & Install Trench Protection associated with Excavation for the 24" Sewer Main Installation. Contractor shall provide and implement safety features in accordance with OSHA Standards for the Lump Sum Price of _____ _____ Dollars and Cents/L.S.	\$ _____	\$ _____
36	1	L.S.	Provide stabilization of disturbed soil and establish Permanent vegetation in accordance with Stormwater Pollution Prevention Plan for the Lump sum Price of _____ _____ Dollars and Cents/L.S.	\$ _____	\$ _____

BID PROPOSAL CONTINUED

ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
37	500	L.F.	Provide, Install, and Maintain silt fence in accordance with the Stormwater Pollution Prevention Plan including all labor, materials, and equipment as required by the plans and specifications for the unit price of _____ _____ Dollars and Cents/L.F.	\$ _____	\$ _____
38	4	EA	Perform abandonment and plugging of existing manholes Including all labor, materials, and equipment as required by the plans and specifications for the unit price of the next automatically. _____ _____ Dollars and Cents/EA	\$ _____	\$ _____

BID PROPOSAL CONTINUED

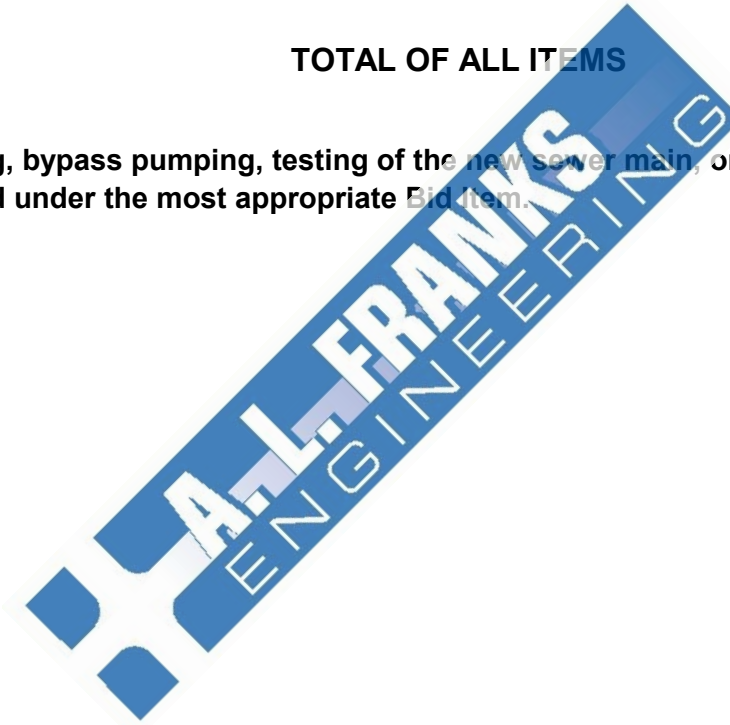
ITEM	QTY	UNIT	DESCRIPTION	UNIT PRICE	TOTAL PRICE
39	30	C.Y.	Provide and Install rock rip-rap (8-10") with filter fabric for bank protection and erosion prevention as noted in the Stormwater Pollution Prevention Plan for the unit price of _____ _____ Dollars and Cents/C.Y.	\$ _____	\$ _____
40	2	EA	Perform new connections to existing concrete manholes by core-drilling to include plugging, labor, equipment, and materials as required by the plans and specifications for the unit price of _____ _____ Dollars and Cents/EA	\$ _____	\$ _____

BID PROPOSAL CONTINUED

TOTAL OF ALL ITEMS

\$

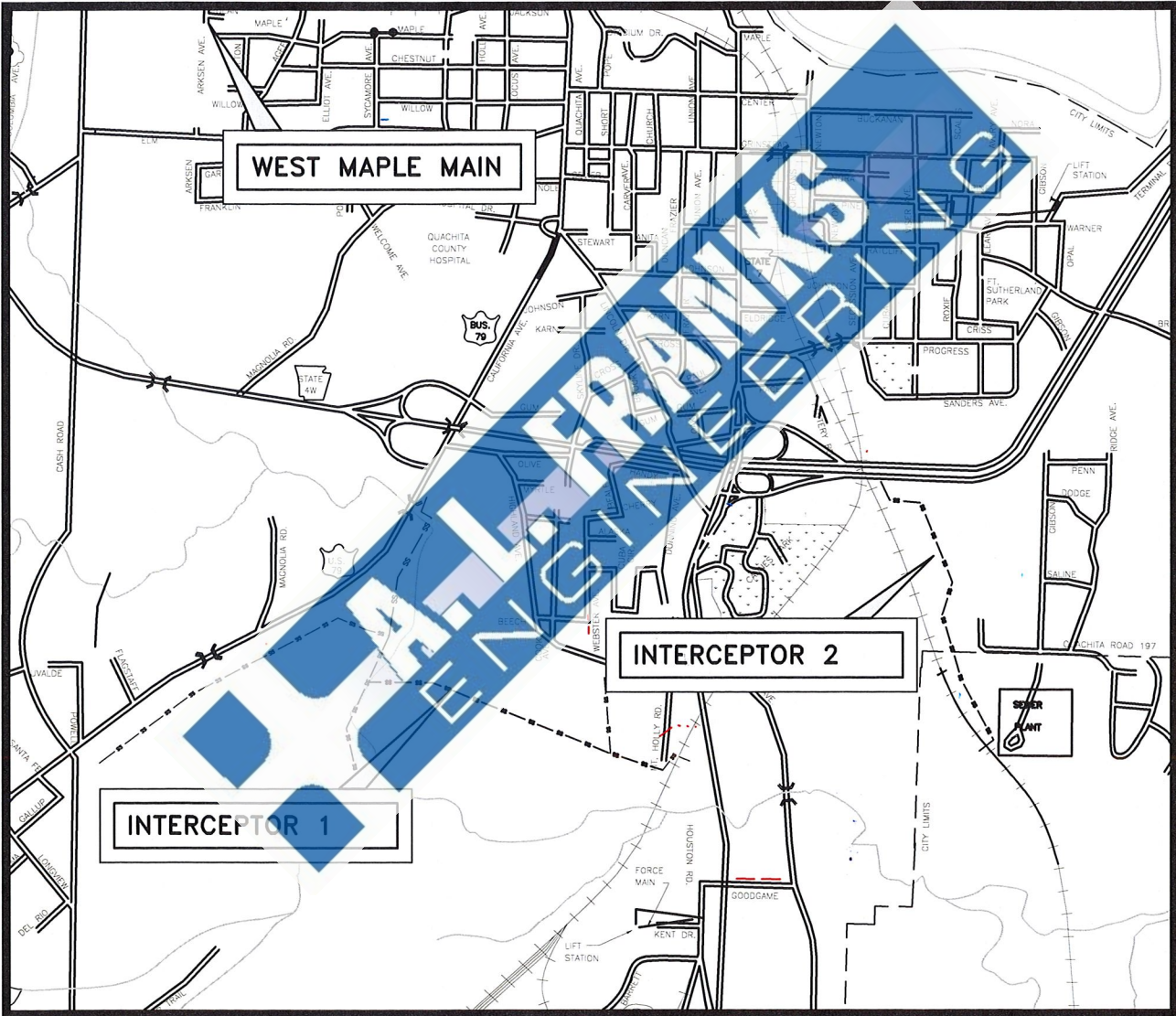
NOTES: Items such as clearing and grubbing, bypass pumping, testing of the new sewer main, or other items subsidiary to the main installation shall be included in the Bid under the most appropriate Bid item.



SEWER MAIN REPLACEMENT INTERCEPTOR 1 & 2 CAMDEN WATER UTILITIES

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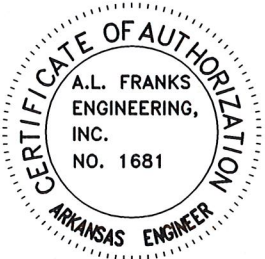
CAMDEN WATER UTILITIES
206 VAN BUREN ST. NE
CAMDEN, ARKANSAS 71701
PH: 870-836-7331

MR. DAVID RICHARDSON
GENERAL MANAGER



BEFORE CONSTRUCTION BEGINS
GIVE 48 HOURS NOTICE
FOR UNDERGROUND UTILITY LOCATIONS
CALL: THE ARKANSAS ONE-CALL SYSTEM 1-800-482-8998

SUBMITTED BY:



118 E. Broad Street
Texarkana, Arkansas 71854
Phone (870) 216-1906
Fax (870) 216-1907

101 West Main, Ste. 413
El Dorado, Arkansas 71730
Phone (870) 444-5160
Fax (870) 444-5161



Jason Haley 7/11/2022
JASON C. HALEY, P.E. PROJECT ENGINEER DATE

Kiron S. Browning 07/14/2022
KIRON S. BROWNING, P.E. PROJECT MANAGER DATE

FINAL FOR CONSTRUCTION

- 1) SEWER MAINS SHALL BE CONSTRUCTED UTILIZING A LAZER WITH GRADE ESTABLISHED THROUGH SEWER PIPE.
- 2) CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING STRUCTURES, PIPING, CONDUIT ETC.. RESULTING FROM CONSTRUCTION WHETHER SHOWN ON THESE DRAWINGS OR NOT.
- 3) CONTRACTOR SHALL PERFORM FINISH GRADING, AND TOP SOILING AND ESTABLISH GRASS IN ALL DISTURBED AREAS PER PLANS AND SPECIFICATIONS
- 4) ALL PROPOSED SEWER MAIN LINES AND MANHOLES TO BE TESTED PER SPECIFICATIONS.
- 5) SEWER MAIN LINES SHALL MAINTAIN A 10' SEPARATION WHEN PARALLELING A WATER LINE. WHEN CROSSING A WATER LINE THE SEWER MAIN SHALL BE 18" BELOW THE WATER LINE AND SHALL CROSS SAID WATER LINE WITH A FULL JOINT OF PIPE CENTERED UNDER THE WATER PIPE.
- 6) CONTRACTOR SHALL HAVE UTILITIES LOCATED AND SHALL BE RESPONSIBLE FOR DAMAGE TO ALL UTILITIES ARISING FROM CONTRACTOR'S WORK, REGARDLESS OF BEING SHOWN OR OMITTED FROM THESE DRAWINGS. SHOWN UTILITIES ARE INDICATED IN APPROX. LOCATIONS ONLY.
- 7) ALL DEBRIS SHALL BE DISPOSED OF AT THE CONTRACTOR'S EXPENSE. BURNING OR BURYING DEBRIS ON SITE IS PROHIBITED UNLESS APPROVED BY THE ENGINEER.
- 8) CONTRACTOR SHALL RESTRICT ALL OPERATIONS TO INSIDE OF CONSTRUCTION EASEMENT. ACCESS TO PRIVATE EASEMENTS SHALL BE THE CONTRACTOR'S RESPONSIBILITY. PROPERTY OWNERS SHALL BE NOTIFIED 24-HOURS PRIOR TO ENTRY. ANY DAMAGE TO PRIVATE PROPERTY SHALL BE REPLACED TO THE PROPERTY OWNER'S APPROVAL AT THE CONTRACTOR'S EXPENSE.
- 9) CONTRACTOR SHALL EXPOSE EXISTING UTILITIES IN ADVANCE OF CONSTRUCTION. GRADE ADJUSTMENTS SHALL BE MADE BY THE ENGINEER. COSTS ASSOCIATED w/ NOT EXPOSING EXISTING UTILITIES TO ALLOW GRADE ADJUSTMENT SHALL BE BORNE BY CONTRACTOR.
- 10) EXACT LOCATION OF EXISTING SERVICE CONNECTIONS TO BE DETERMINED BY THE CONTRACTOR IN THE FIELD.
- 11) CONTRACTOR SHALL TIE-IN ALL EXISTING SEWER SERVICES TO NEW SANITARY SEWER MAIN. NEW SERVICES SHALL BE RUN AT A MINIMUM TO THE EDGE OF EASEMENT OR R.O.W. INSTALLED AT THE CONTRACTOR'S EXPENSE UNLESS OTHERWISE NOTED.
- 12) SEWER MAIN SHALL BE SDR-26 OR ASTM F679 PVC PIPE UNLESS OTHERWISE NOTED ON THE PLANS.
- 13) THE CONTRACTOR SHALL UNCOVER AS MUCH EXISTING SERVICE LINE AS NECESSARY TO PROVIDE A PROPER TIE-IN WITH SUFFICIENT GRADE FROM TIE-IN TO NEW SEWER MAIN.
- 14) WHEN TIE-INS TO EXISTING MANHOLES ARE TO BE MADE, CONTRACTOR SHALL VERIFY MANHOLE FLOW LINE AT AN INTERVAL PRIOR TO MANHOLE TO ENSURE ADEQUATE DEPTH OF NEW SEWER MAIN.
- 15) CONTRACTOR IS TO NOTIFY THE ARKANSAS HIGHWAY DEPARTMENT AND TRANSPORTATION (ARDOT) 48 HOURS PRIOR TO BEGINNING CONSTRUCTION IN HIGHWAY RIGHT-OF-WAY.
- 16) CLEAR AND GRUBBING IS REQUIRED FOR LENGTHS SHOWN ON THE PLANS AND SHALL NOT BE MEASURED FOR PAYMENT AND SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.
- 17) CONTRACTOR SHALL PROVIDE BY-PASS PUMPING FROM MANHOLE TO MANHOLE AROUND AREA OF WORK. THIS IS NOT A PAY ITEM AND SHALL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF WORK.

- 18) ENGINEER WILL PROVIDE STAKE-OUT OF MANHOLE LOCATIONS WITH ELEVATION CONTROLS FOR CONSTRUCTION PURPOSES. IN THE EVENT THE CONTRACTOR DAMAGES STAKEOUT CONTROLS THE SHALL PAY THE EXPENSE OF ADDITIONAL STAKING. A NOTICE OF 72 HOURS SHALL BE GIVEN TO REQUEST A STAKEOUT.
- 19) ENGINEER WILL PROVIDE A STORMWATER POLLUTION PREVENTION PLAN TO THE CONTRACTOR. ANY ADEQ FEES REQUIRED FOR THE PERMIT SHALL BE THE EXPENSE OF THE CONTRACTOR. THE CONTRACTOR AND ALL SUBCONTRACTORS SHALL ADHERE TO THE REQUIREMENTS OF THE SWP3. THE CONTRACTOR SHALL MAINTAIN EROSION CONTROLS THROUGHOUT THE PROJECT UNTIL COMPLETION AND PERMANENT VEGETATION IS ESTABLISHED.
- 20) CONTRACTOR IS RESPONSIBLE TO PROVIDE TRAFFIC CONTROL AND BARRICADING MEASURES FOR THE PROJECT. PRIOR TO PERFORMING A STREET CLOSURE THE CONTRACTOR SHALL NOTIFY THE CITY OF CAMDEN, RESIDENTS IN THE IMMEDIATE VICINITY OF THE CLOSURE, AND THE CAMDEN WATER UTILITIES 48 HOURS PRIOR TO STREET CLOSURE. SIGNAGE AND BARRICADES SHALL COMPLY WITH MUTCD STANDARDS. THIS WORK IS SUBSIDIARY TO THE PROJECT UNLESS OTHERWISE NOTED.
- 21) CONTRACTOR SHALL REVIEW AND OBTAIN APPROVALS FOR THE STORING OF MATERIALS ON PUBLIC OR PRIVATE PROPERTY. CONTRACTOR IS RESPONSIBLE TO PROVIDE INSURANCE FOR STORED MATERIALS.
- 22) CONTRACTOR SHALL COMPLY WITH OSHA REQUIREMENTS FOR TRENCH PROTECTION MEASURES REGARDING SLOPE PROTECTION, SHORING, ETC. WORKERS SHALL BE TRAINED FOR ENTRY OF CONFINED SPACES AND BE PROPERLY EQUIPPED. WORKERS SHALL WEAR THE APPROPRIATE SAFETY AND PROTECTIVE CLOTHING.
- 23) CONTRACTOR SHALL PROVIDE MEASURES FOR PROTECTING EXISTING UTILITIES THAT MAY BE EXPOSED WHEN PERFORMING TRENCHING OPERATIONS FOR SEWER INSTALLATION.
- 24) CONTRACTOR SHALL PERFORM DEWATERING AS REQUIRED FOR SEWER MAIN INSTALLATION AS NOTED IN THE PLANS, SPECIFICATIONS, AND DESCRIBED IN THE BID FORM.



FINAL FOR CONSTRUCTION

No.	Date	Revision	By



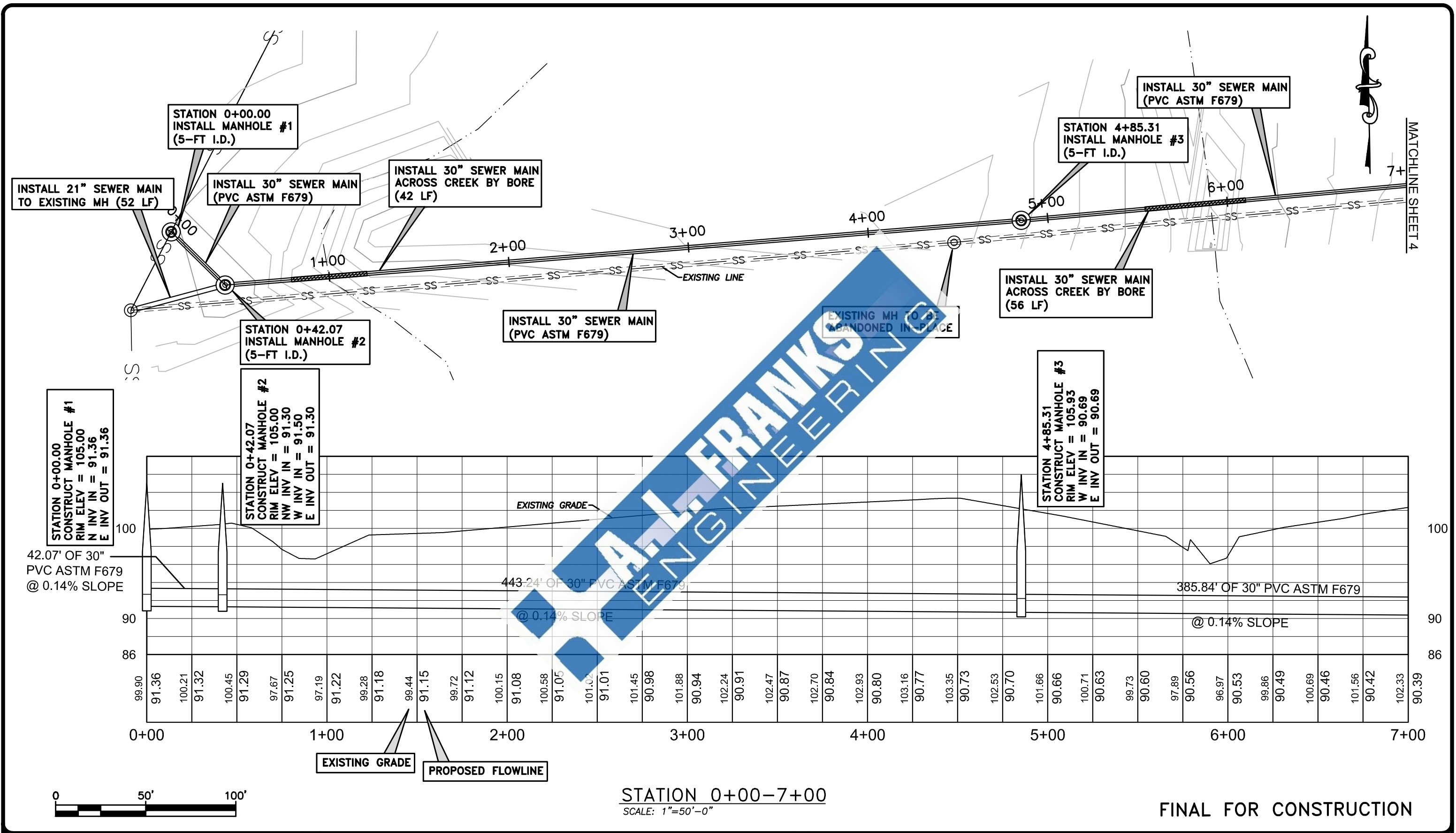
118 East Broad Street
Texarkana, Arkansas 71854
Phone (870) 216-1906
Fax (870) 216-1907

101 West Main, Ste. 413
El Dorado, Arkansas 71730
Phone (870) 444-5160
Fax (870) 444-5161

INTERCEPTOR 1 & 2 REPLACEMENT
CAMDEN WATER UTILITIES
BOND IMPROVEMENTS



Job No.: CM-01-22
Scale: N.T.S.
Date: JUNE 2022
Sheet 2



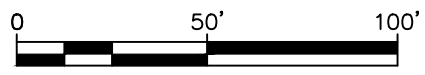
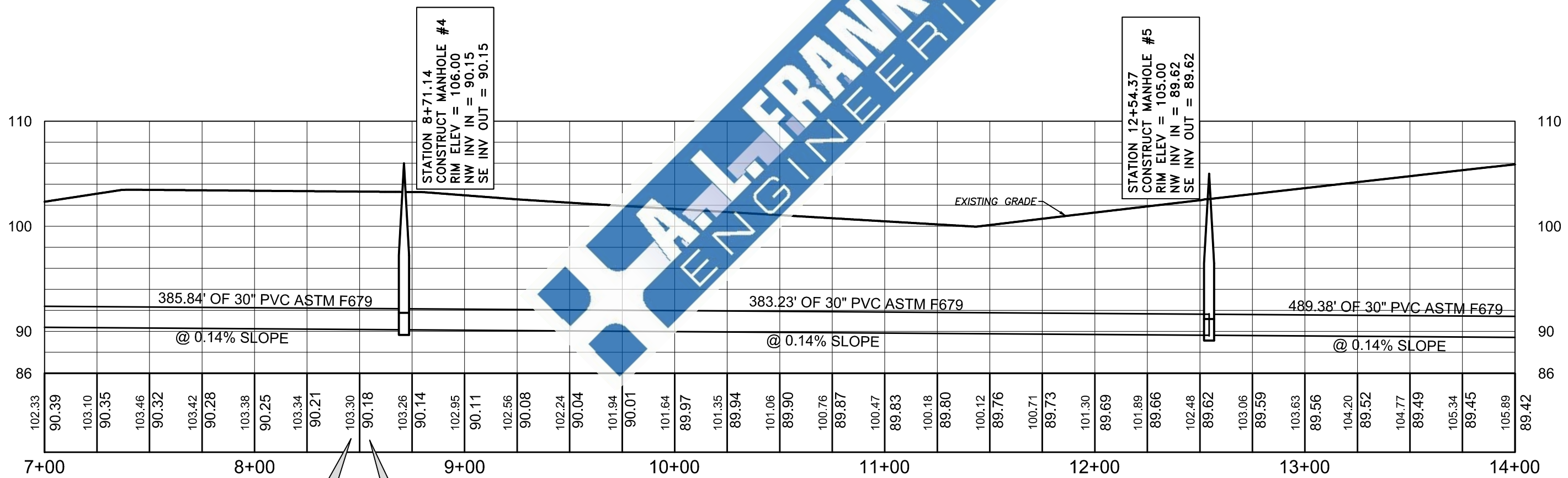
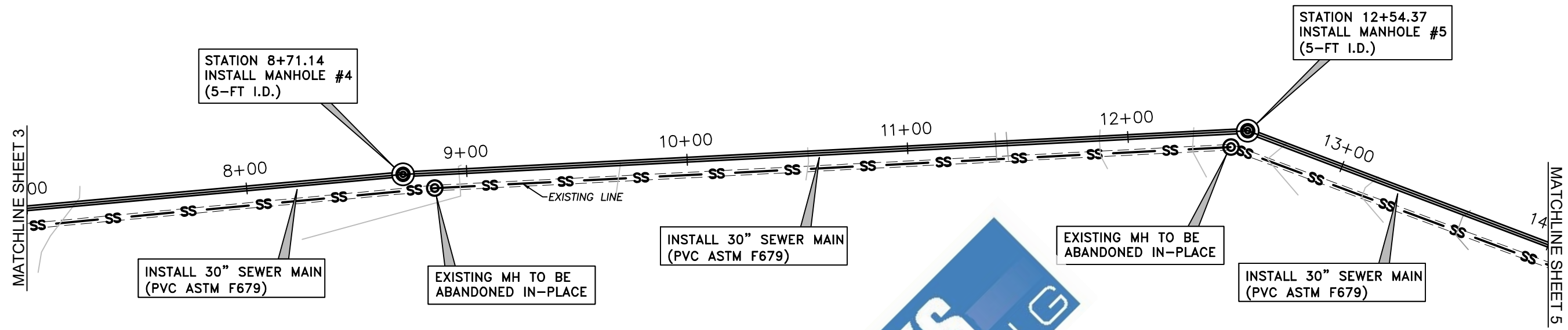
#1	7/11/22	CONNECT MH #2 INV.	JCH
No.	Date	Revision	By

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INTERCEPTOR 1 REPLACEMENT
CAMDEN WATER UTILITIES
BOND IMPROVEMENTS

Job No.: CM-01-22
Scale: 1"=50'
Date: JUNE 2022
Sheet 3



EXISTING GRADE
PROPOSED FLOWLINE

STATION 7+00-14+00
SCALE: 1"=50'-0"

FINAL FOR CONSTRUCTION

No.	Date	Revision	By



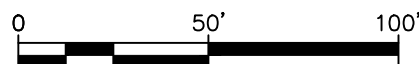
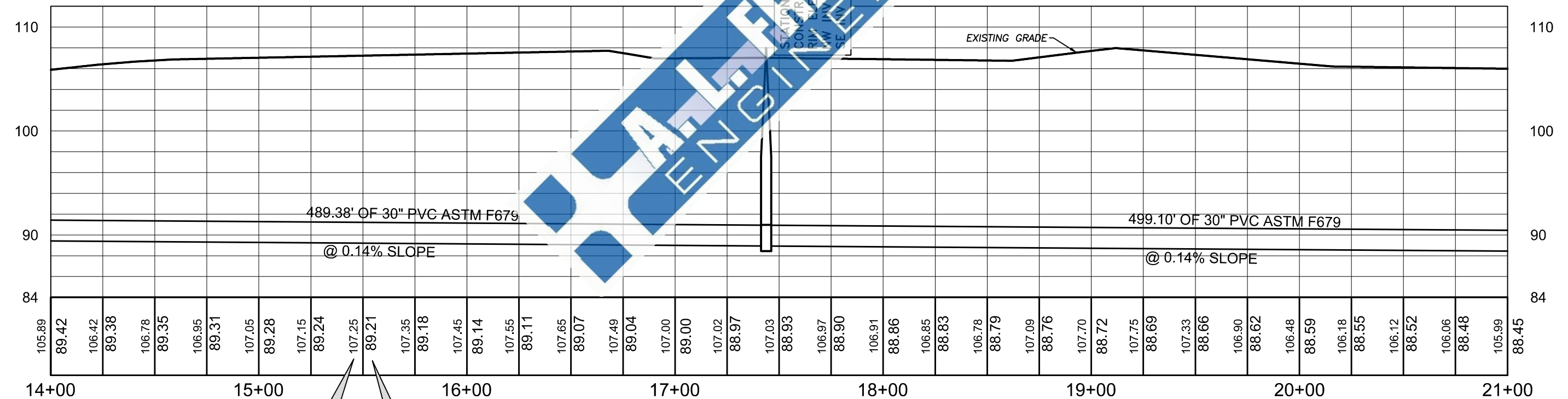
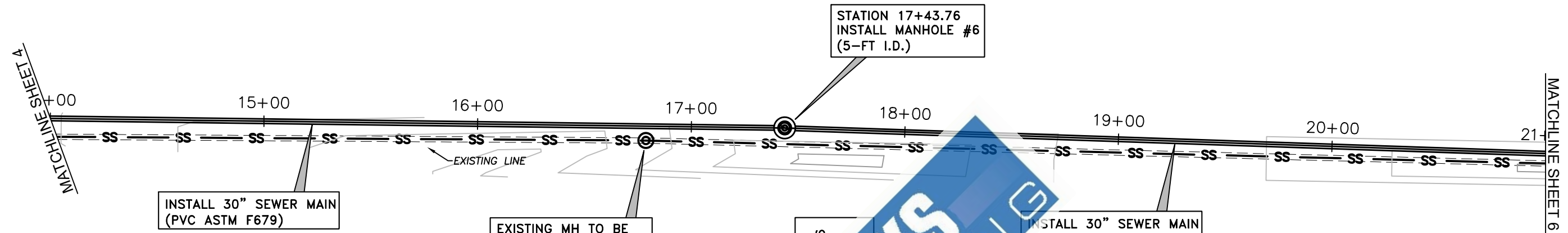
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INTERCEPTOR 1 REPLACEMENT
CAMDEN WATER UTILITIES
BOND IMPROVEMENTS



Job No.: CM-01-22
Scale: 1"=50'
Date: JUNE 2022
Sheet 4



EXISTING GRADE
PROPOSED FLOWLINE

STATION 14+00-21+00
SCALE: 1"=50'-0"

FINAL FOR CONSTRUCTION

No.	Date	Revision	By



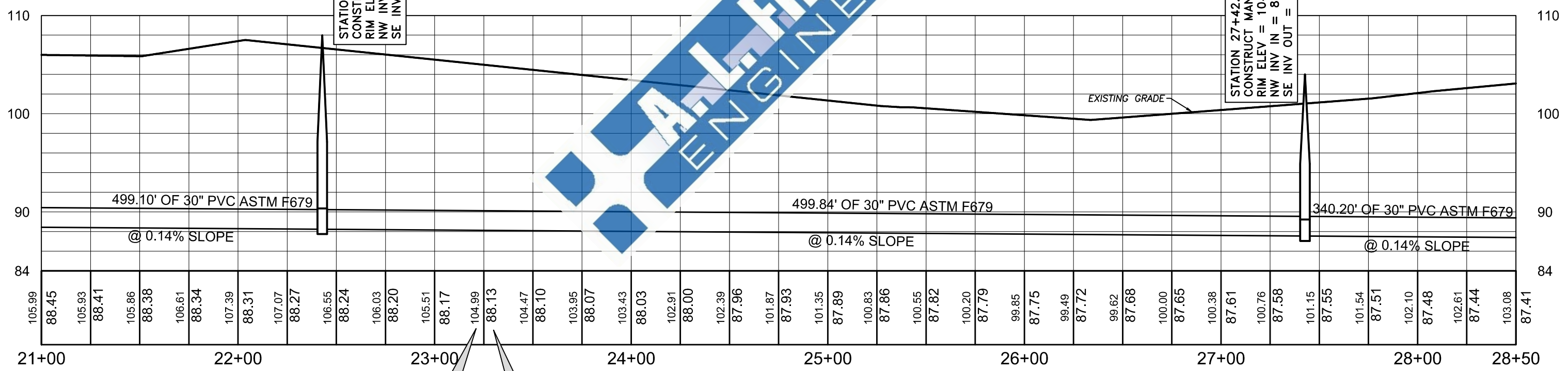
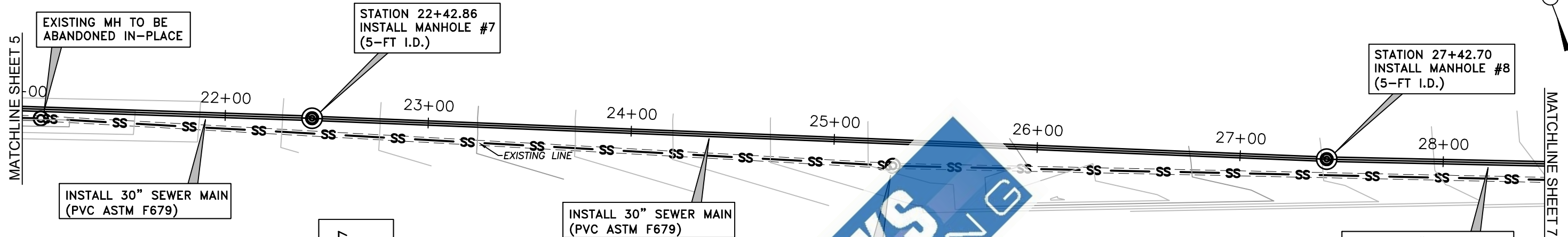
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**INTERCEPTOR 1 REPLACEMENT
CAMDEN WATER UTILITIES
BOND IMPROVEMENTS**



Job No.: CM-01-22
Scale: 1"=50'
Date: MAY 2022
Sheet 5



STATION 21+00-28+50
 SCALE: 1"=50'-0"

FINAL FOR CONSTRUCTION

No.	Date	Revision	By



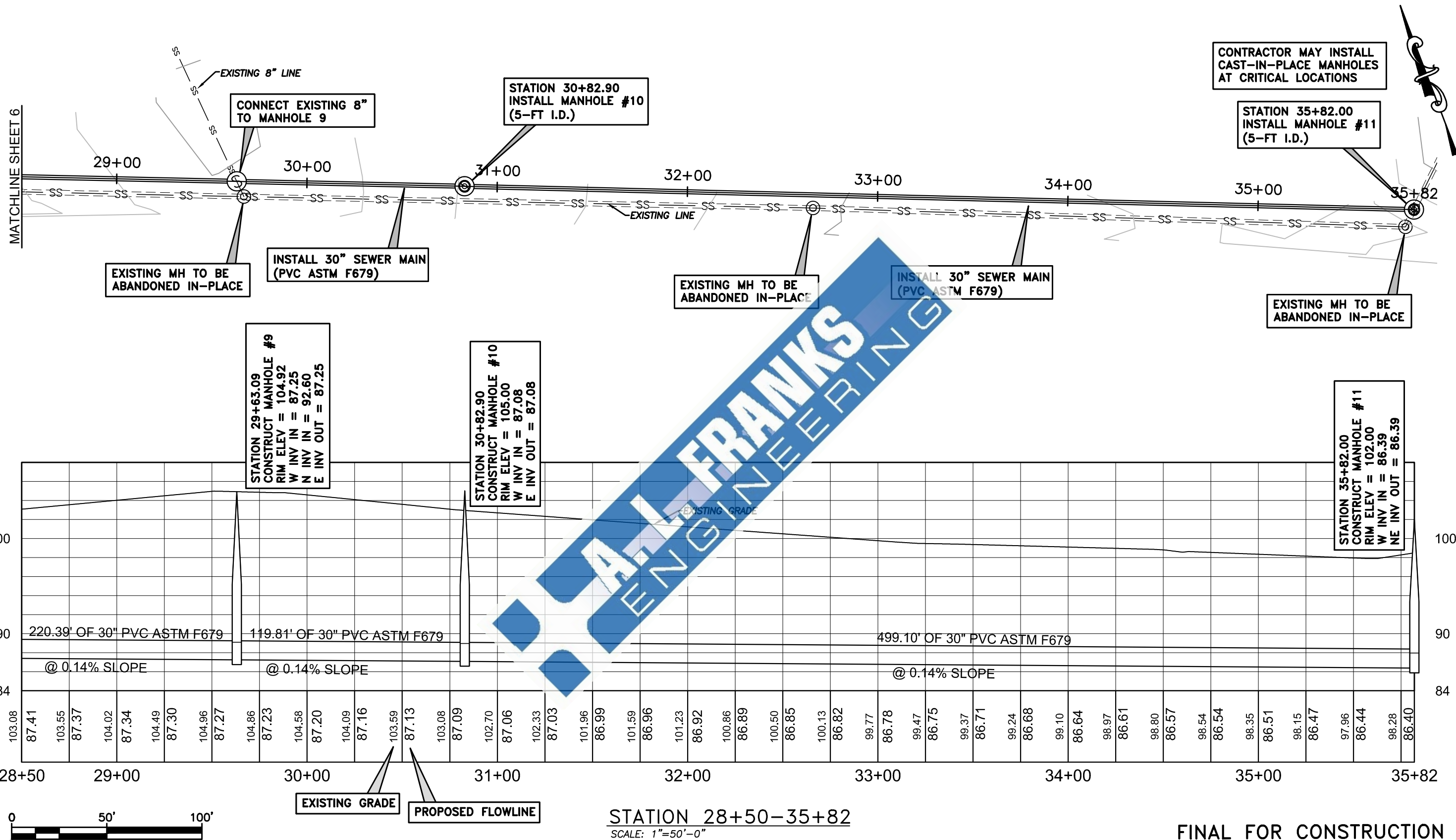
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INTERCEPTOR 1 REPLACEMENT
CAMDEN WATER UTILITIES
BOND IMPROVEMENTS



Job No.: CM-01-22
 Scale: 1"=50'
 Date: MAY 2022
 Sheet 6



FINAL FOR CONSTRUCTION

#1	7/11/22	CONNECT MH 9	JCH
No.	Date	Revision	By



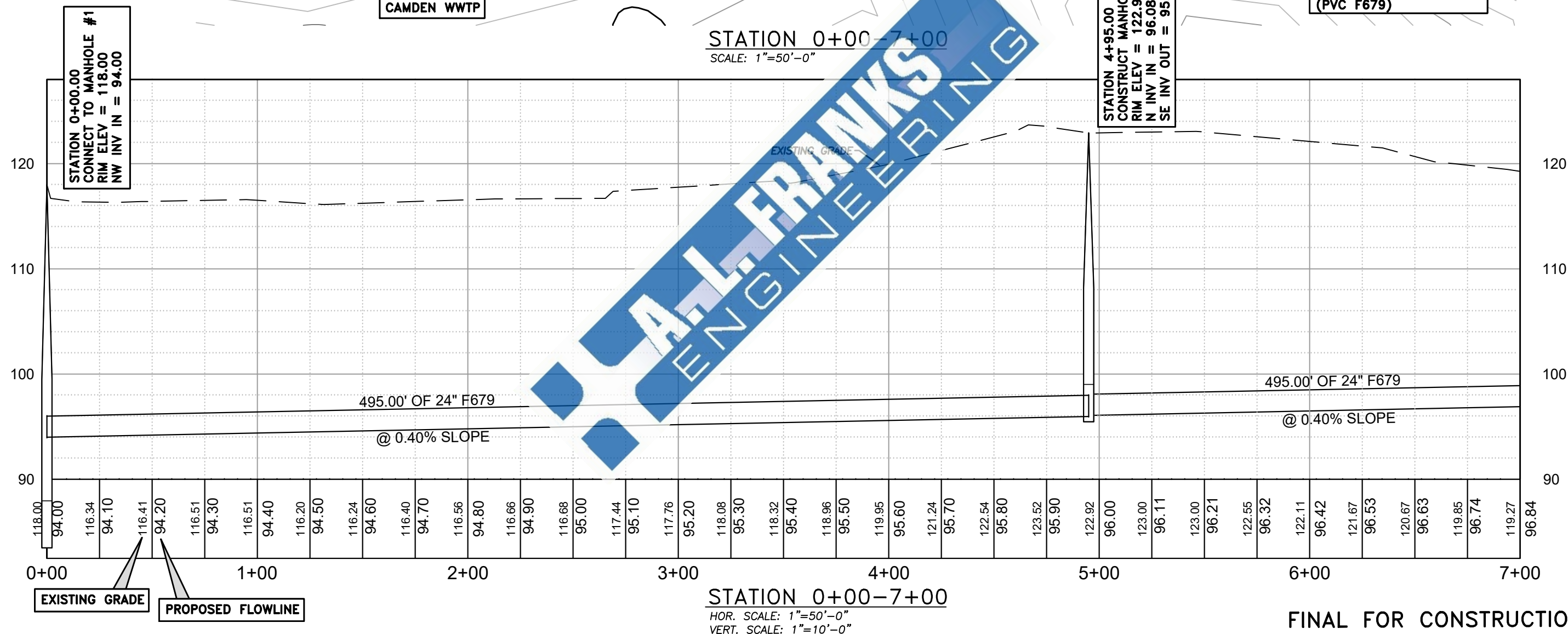
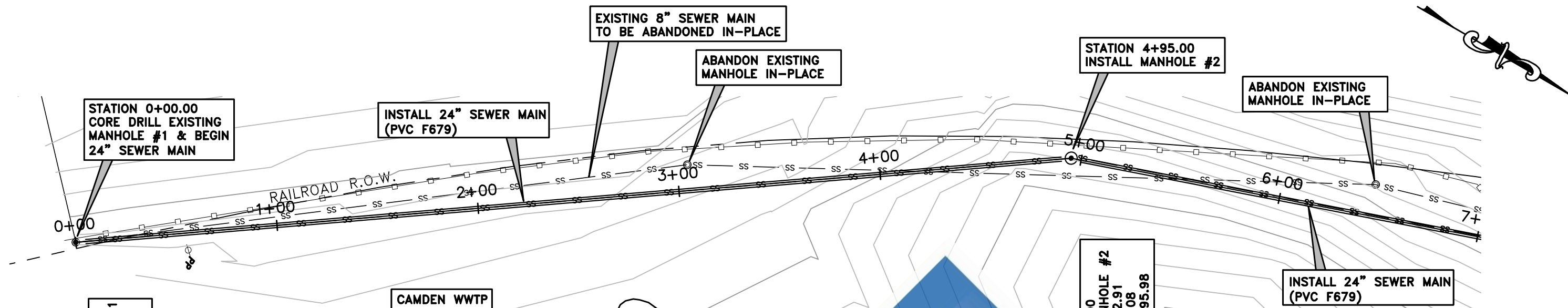
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Fax (870) 216-1907

101 West Main, Ste. 413
El Dorado, Arkansas 71730
Phone (870) 444-5160
Fax (870) 444-5161

INTERCEPTOR 1 REPLACEMENT
CAMDEN WATER UTILITIES
BOND IMPROVEMENTS



Job No.: CM-01-22
Scale: 1"=50'
Date: MAY 2022
Sheet 7



FINAL FOR CONSTRUCTION

#1	7/11/22	CONNECT MH #1 / PIPE SLOPE ADJ.	JCH
No.	Date	Revision	By



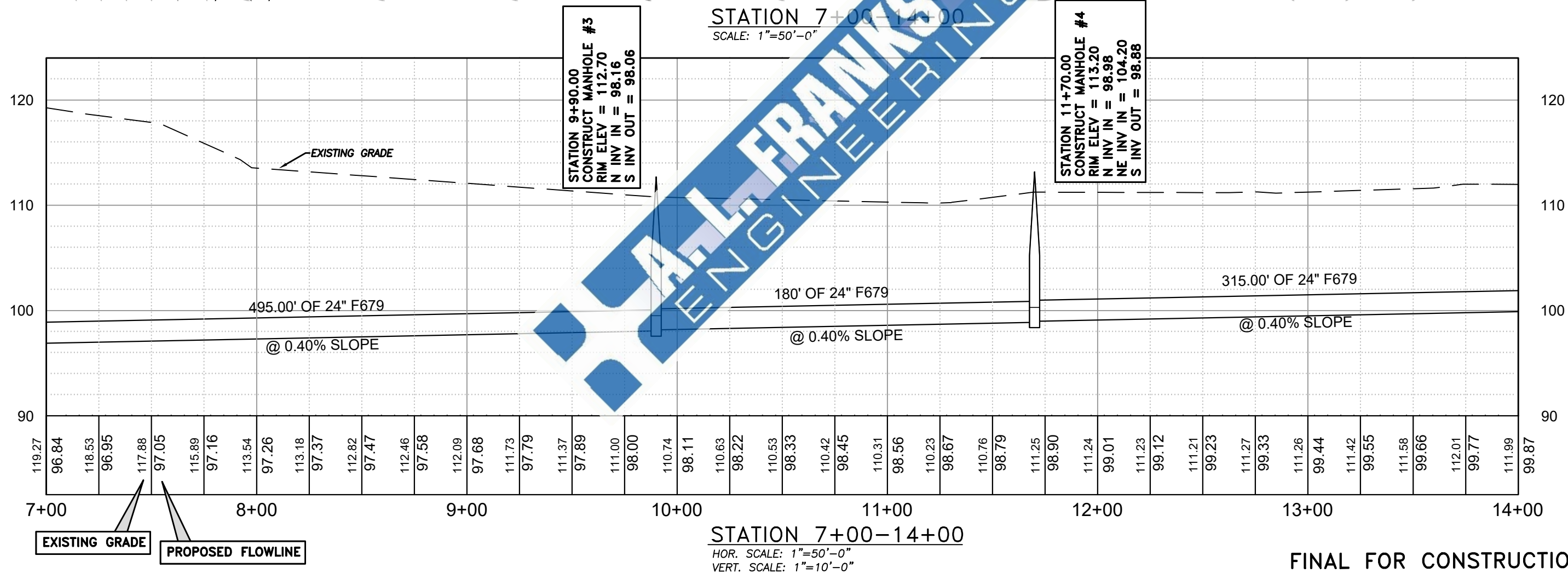
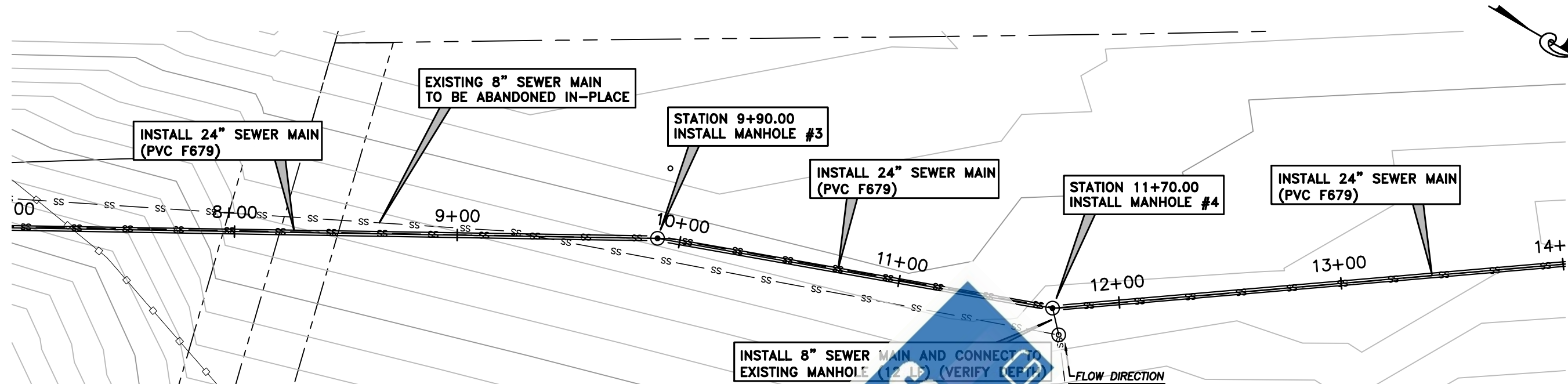
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INTERCEPTOR 2
CAMDEN WATER UTILITIES
BOND IMPROVEMENTS



Job No.: CM-02-19
Scale: 1"=50'
Date: AUG. 2021
Sheet 8



FINAL FOR CONSTRUCTION

#1	7/11/22	PIPE SLOPE ADJ. / CONNECT MH 4	JCH
No.	Date	Revision	By



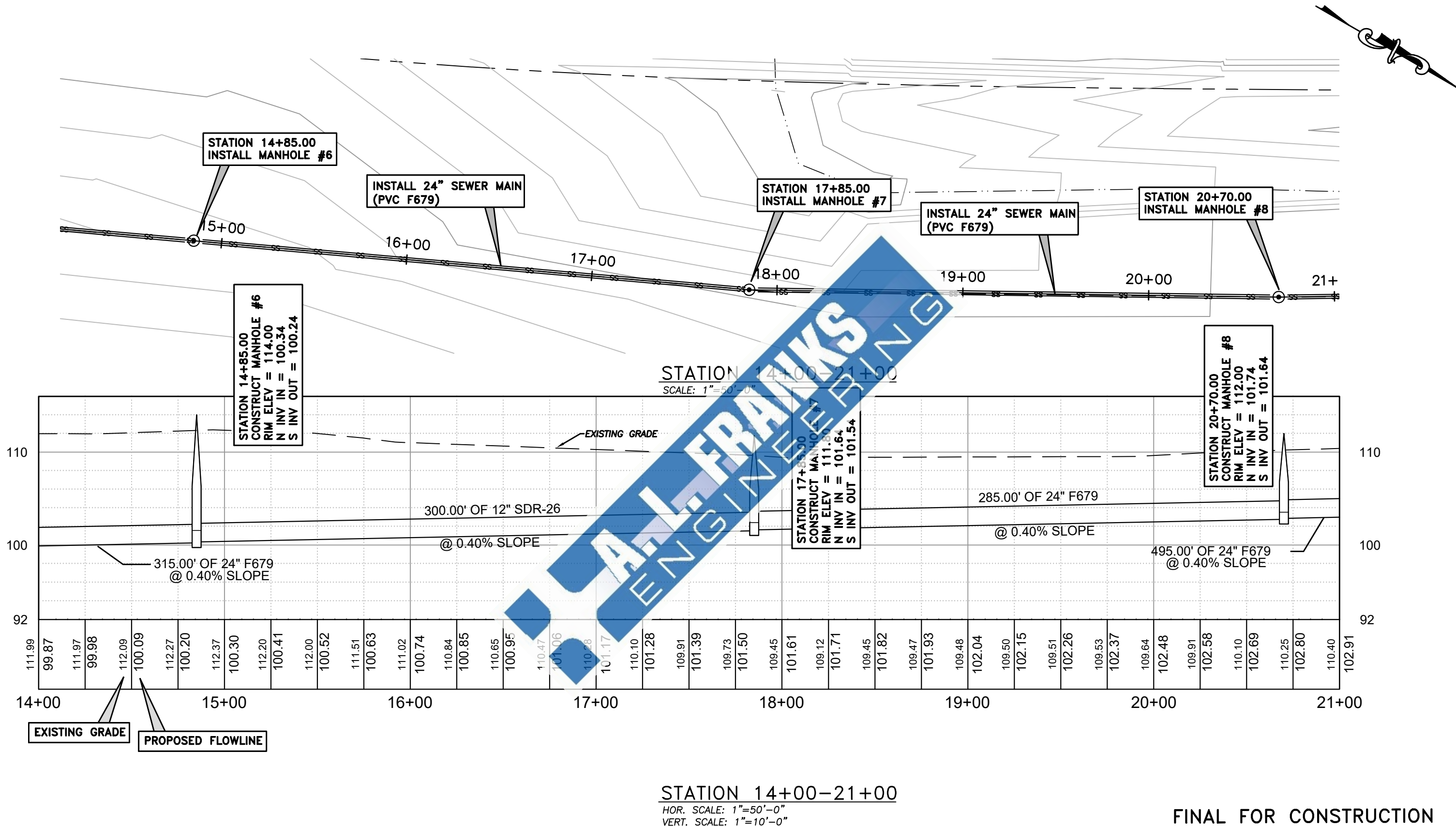
118 East Broad Street
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INTERCEPTOR 2
 CAMDEN WATER UTILITIES
 BOND IMPROVEMENTS



Job No.: CM-02-19
 Scale: 1"=50'
 Date: AUG. 2021
 Sheet 9



FINAL FOR CONSTRUCTION

No.	Date	Revision	By
#1	7/11/22	MH #6 RIM ELEV. / PIPE SLOPE ADJ.	JCH



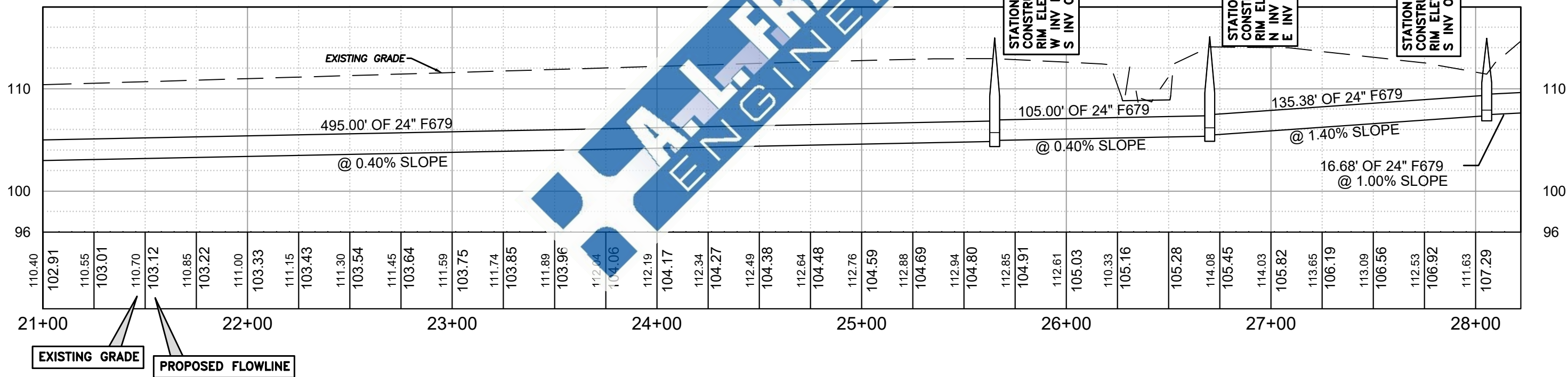
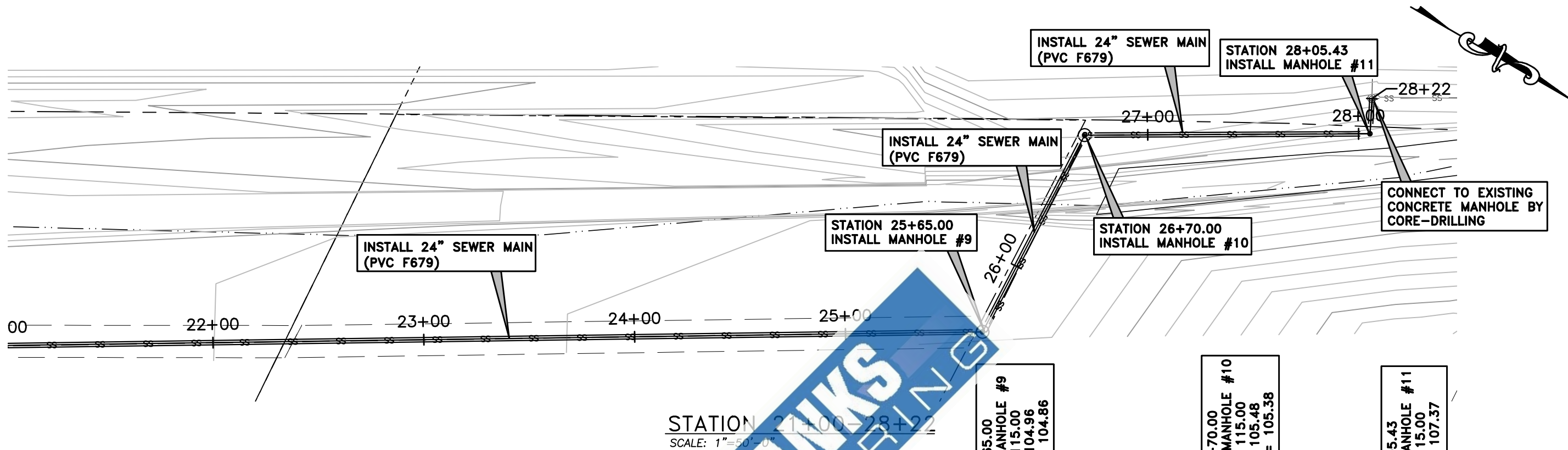
118 East Broad Street
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INTERCEPTOR 2
CAMDEN WATER UTILITIES
BOND IMPROVEMENTS



Job No.: CM-02-19
Scale: 1"=50'
Date: AUG. 2021
Sheet 10



STATION 21+00-28+22
 HOR. SCALE: 1"=50'-0"
 VERT. SCALE: 1"=10'-0"

FINAL FOR CONSTRUCTION

#1	7/11/22	PIPE SLOPE ADJ.	JCH
No.	Date	Revision	By



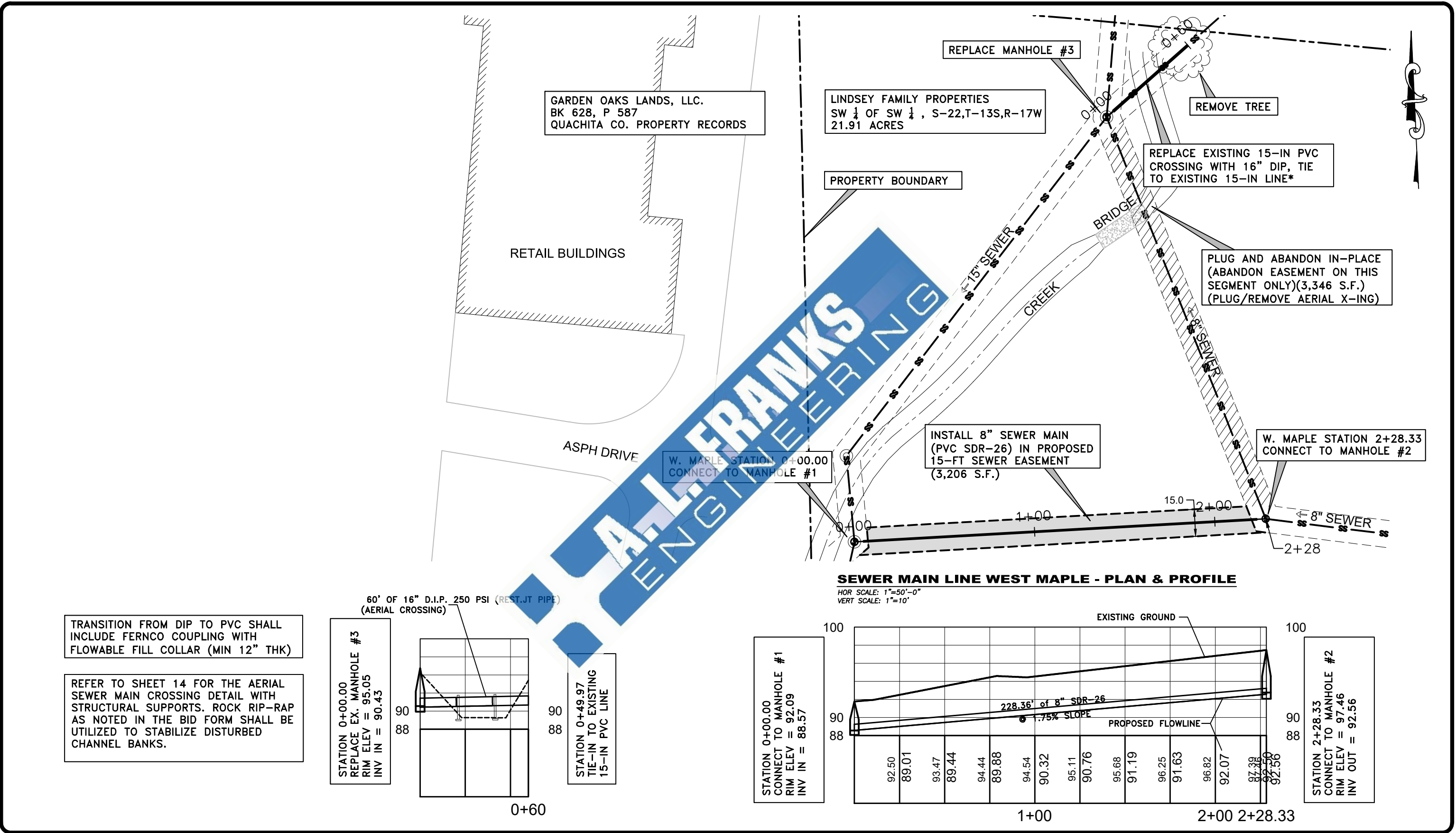
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INTERCEPTOR 2
 CAMDEN WATER UTILITIES
 BOND IMPROVEMENTS



Job No.: CM-02-19
 Scale: 1"=50'
 Date: AUG. 2021
 Sheet 11





CONCRETE CURB IS INCLUDED WITH STREET REPAIR AND
WILL NOT BE PAID FOR SEPARATELY.



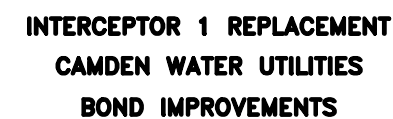
CONCRETE CURB IS INCLUDED WITH STREET REPAIR AND
WILL NOT BE PAID FOR SEPARATELY.



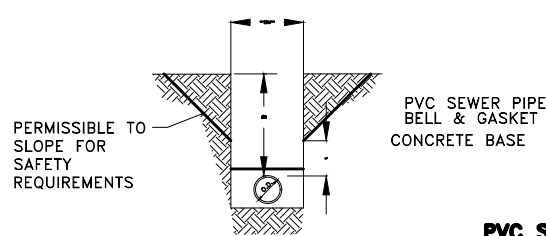
7. ACCUMULATED SILT SHALL BE REMOVED WHEN IT REACHES A DEPTH OF HALF THE HEIGHT OF THE FENCE. THE SILT SHALL BE DISPOSED OF AT AN APPROVED SITE AND IN SUCH A MANNER AS TO NOT CONTRIBUTE TO ADDITIONAL SILTATION.



No.	Date	Revision	By

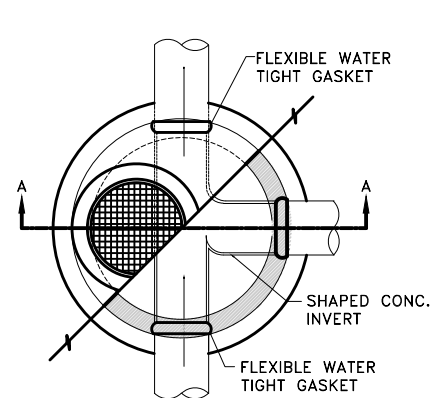


Sheet 14

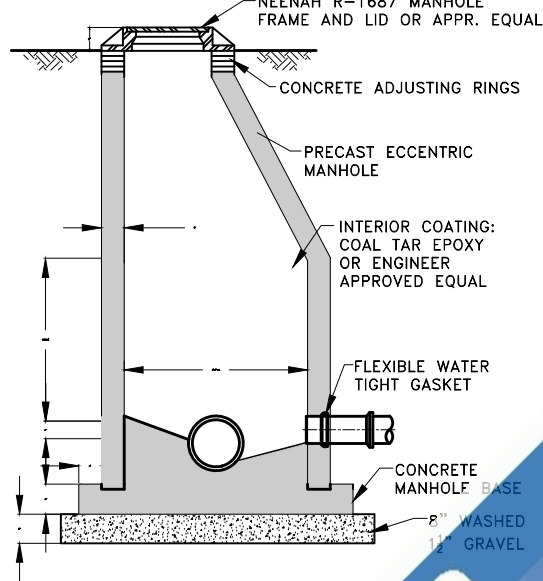


TYPICAL TRENCH SECTION
N.T.S.

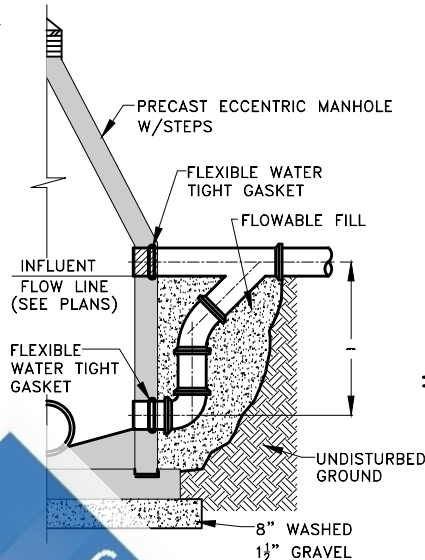
PVC SEWER PIPE MANHOLE CONNECTION DETAIL
N.T.S.



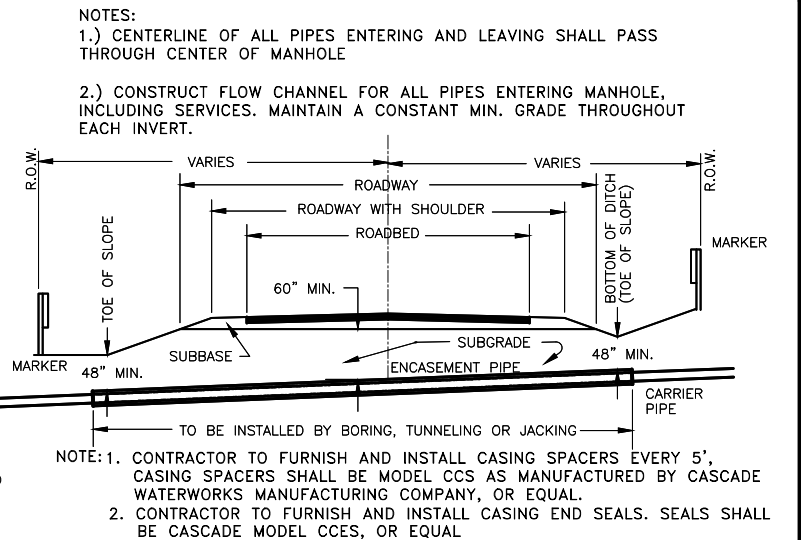
STANDARD MANHOLE PLAN
N.T.S.



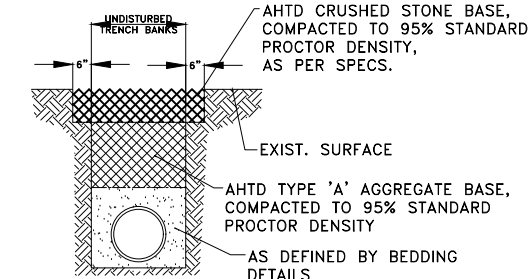
STANDARD MANHOLE SECTION A-A
N.T.S.



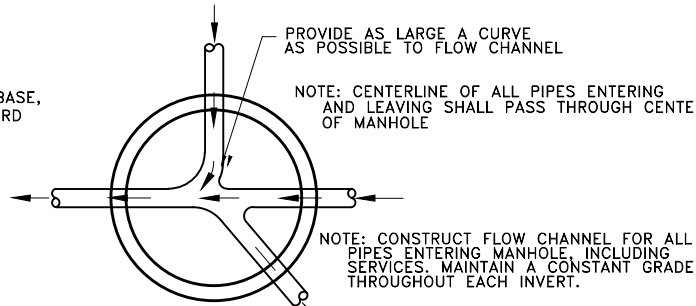
DROP MANHOLE SECTION
N.T.S.



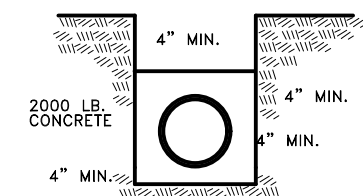
TYPICAL HIGHWAY CROSSING
N.T.S.



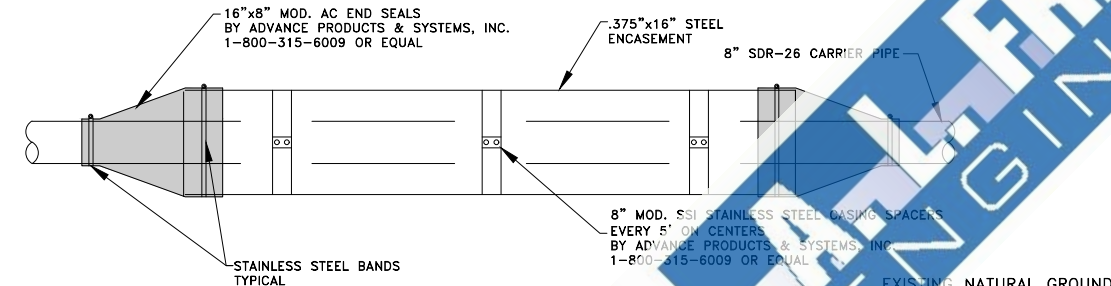
GRAVEL SURFACE REPAIR DETAIL
N.T.S. (NOT A PAY ITEM)



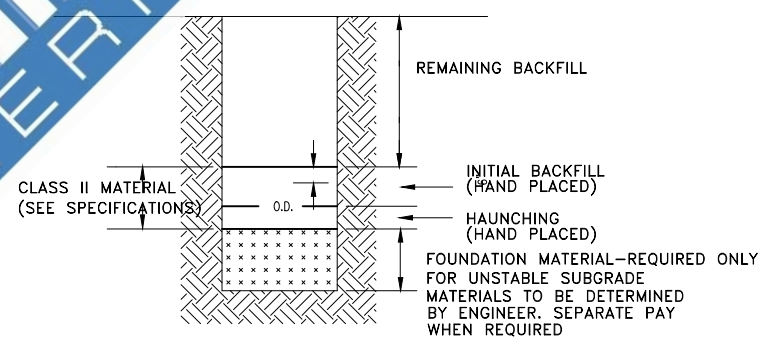
MANHOLE BOTTOM DETAIL
N.T.S.



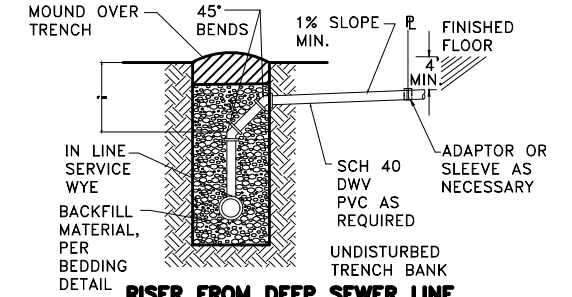
CONCRETE ENCASEMENT
N.T.S.



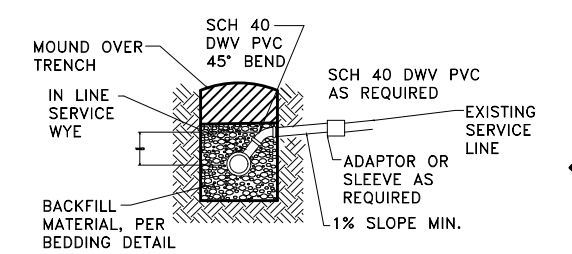
STEEL ENCASEMENT DETAIL
N.T.S.



RIGID PIPE-CLASS-II-EMBEDMENT DETAIL
(TO BE USED FOR RIGID PIPE EXCEPT AS NOTED ON PLANS)
N.T.S.

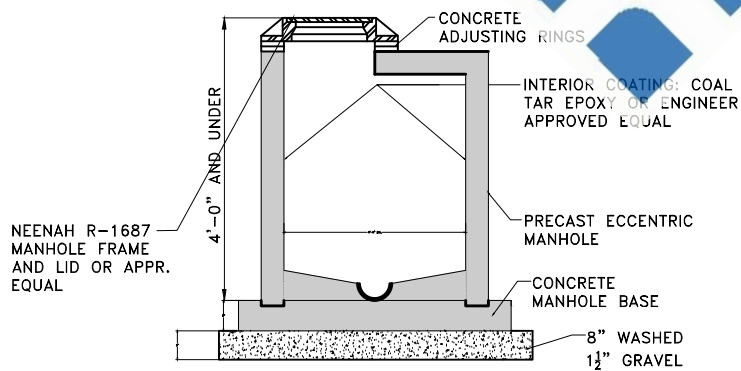


RISER FROM DEEP SEWER LINE
N.T.S.

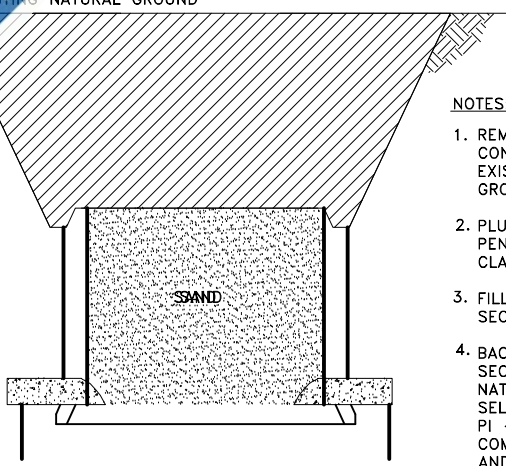


TYPICAL SERVICE OUTLET
SERVICE OUTLET DETAIL
N.T.S.

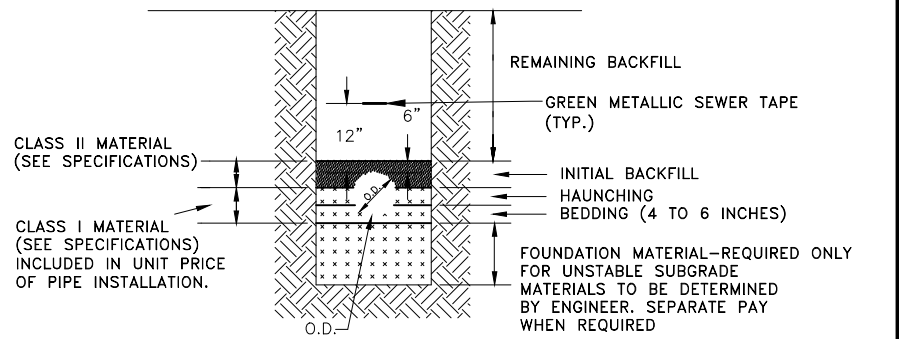
- NOTES:**
1. REMOVE EXISTING CONICAL SECTION BELOW EXISTING NATURAL GROUND.
 2. PLUG EXISTING PIPE PENETRATIONS WITH CLASS B CONCRETE.
 3. FILL REMAINING BARREL SECTION WITH SAND.
 4. BACK FILL ABOVE BARREL SECTION TO EXISTING NATURAL GROUND WITH SELECT FILL WITH A $PI < 15$ AND $LL < 30$. COMPACT SELECT FILL AND SAND TO 95% STANDARD PROCTOR DENSITY.



SHALLOW MANHOLE SECTION
N.T.S.



ABANDON EXISTING MANHOLE DETAIL
N.T.S.



GRAVITY SEWER PVC PIPE EMBEDMENT DETAIL
N.T.S.



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INTERCEPTOR 1 REPLACEMENT
CAMDEN WATER UTILITIES
BOND IMPROVEMENTS



Job No.: CM-01-22
Scale: AS SHOWN
Date: MAY 2022
Sheet 13

No.	Date	Revision	By