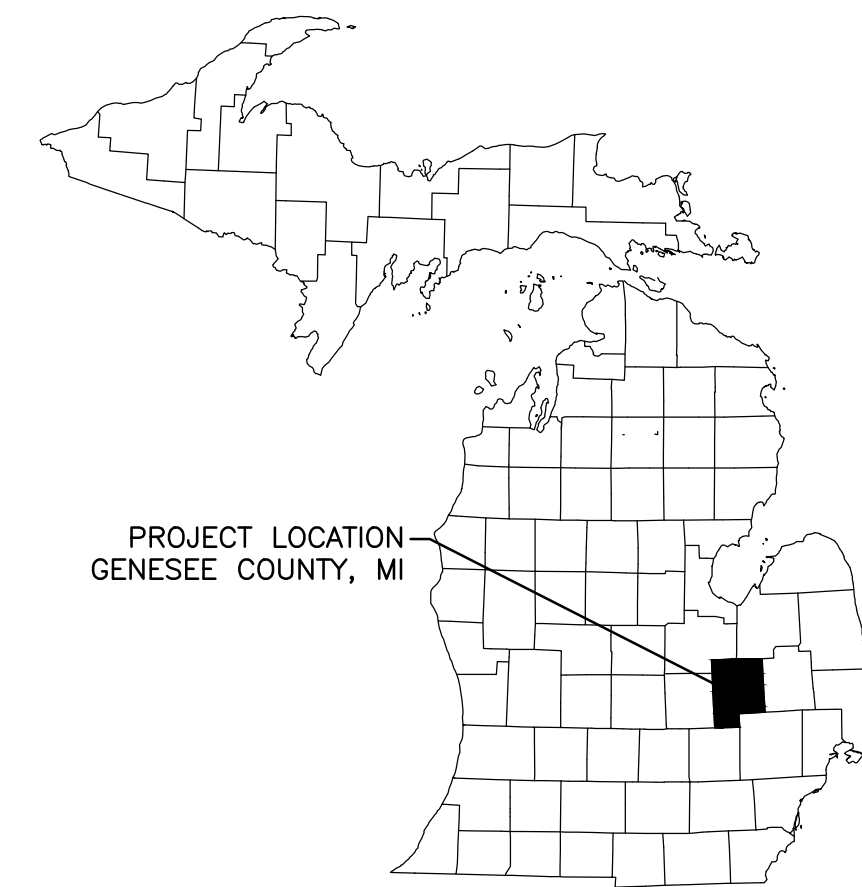


CITY OF FLINT GENESEE COUNTY, MICHIGAN CONSTRUCTION PLANS FOR AVON PUMPING STATION DEMOLITION SRF #5739-01



PROJECT LOCATION
GENESEE COUNTY, MI

NOT TO SCALE

UTILITIES & MUNICIPALITIES

<p>TELEPHONE AT&T ENGINEERING 54 NORTH MILL STREET, P.O. BOX 32 PONTIAC, MICHIGAN 48342 CONTACT: JEFF HEATH PHONE: 248.975.4588</p>	<p>CITY OF FLINT DEPARTMENT OF PUBLIC WORKS 1101 SOUTH SAGINAW STREET, NORTH BUILDING FLINT, MI 48502 CONTACT: KEVIN COOK, INTERIM CITY ENGINEER PHONE: 810.766.7135 EXT 2603 EMAIL: KCOOK@CITYOFFLINT.COM</p>
<p>TELECOM COMLINK 1515 TURF LANE EAST LANSING, MI 48823 PHONE: 517.742.4020</p>	<p>CITY OF FLINT WATER SUPERVISOR 1101 SOUTH SAGINAW STREET, NORTH BUILDING FLINT, MICHIGAN 48502 CONTACT: PAUL SIMPSON PHONE: 810.766.7202 EMAIL: PSIMPSON@CITYOFFLINT.COM</p>
<p>ELECTRIC CONSUMERS ENERGY – ELECTRIC 3201 EAST COURT STREET FLINT, MICHIGAN 48501 CONTACT: MARCEY CONN PHONE: 810.760.3506</p>	<p>CITY OF FLINT SEWER SYSTEM MAINTENANCE 1101 SOUTH SAGINAW STREET, NORTH BUILDING FLINT, MICHIGAN 48502 CONTACT: JIGGY MITCHELL PHONE: 810.766.7079 EMAIL: JMITCHELL@CITYOFFLINT.COM</p>
<p>GAS CONSUMERS ENERGY 3201 EAST COURT STREET FLINT, MICHIGAN 48501 CONTACT: SALVATORE DELISI PHONE: 810.760.3486</p>	<p>CITY OF FLINT DEPARTMENT OF PUBLIC WORK TRAFFIC ENGINEERING DIVISION 702 WEST 12TH STREET FLINT, MICHIGAN 48502 CONTACT: RODNEY MCGAHA PHONE: 810.691.3106 EMAIL: RMCGAHA@CITYOFFLINT.COM</p>
<p>FIBER OPTIC SIGMA TECHNOLOGIES 27096 OAKMEAD DRIVE PERRYSBURK, OHIO 43551 CONTACT: SCOTT LAMBERT PHONE: 419.460.1410 EMAIL: SLAMBERT2@TEAMSIGMA.CO,</p>	<p>SOIL EROSION & SEDIMENTATION CONTROL GCDC--WWS G-4610 BEECHER ROAD FLINT, MI 48532 CONTACT: MARK STEPHENS PHONE: 810.732.7870</p>
<p>BUS ROUTES FLINT COMMUNITY SCHOOLS 923 EAST KEARSLEY STREET FLINT, MI 48503 CONTACT: LARRY WATKINS, SUPERINTENDENT PHONE: 810.760.1249</p>	<p>BUS ROUTES MASS TRANSPORTATION AUTHORITY (MTA) 1401 SOUTH DORT HIGHWAY FLINT, MI 48503 CONTACT: EDGAR BENNING PHONE: 810.767.6950</p>



CITY OF FLINT
AVON PUMP STATION
PROJECT LOCATION:
251 E BOULEVARD DR
FLINT, MI 48502

SHEET INDEX	
SHEET	NO.
COVER	G-001
GENERAL CIVIL AND DEMOLITION NOTES	C-001
EQUIPMENT DEMOLITION PLAN	C-101
WET WELL DEMOLITION PLAN	C-102
SEWER BULKHEAD PLAN	C-103

LOCATION MAP

SCALE: NONE
CITY OF FLINT
SECTION 4,17N, R6E

ISSUED FOR BID 05-22-2024

JOB NO. COF107801F	SHEET G-001
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PREPARED UNDER THE SUPERVISION OF:



PROJECT MANAGER: T. HARRISON; CIVIL ENGINEER: T. HARRISON; FIELD BOOK INFORMATION: C:\P\WORK\17343721\UGS-PLTS-COVER_2024.DWG - COVER - PLOTTED: 4/29/2024 8:42 AM BY: HARRISON, TIFFANY



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GENERAL

1. LOCATION OF UTILITIES OR OTHER STRUCTURES SHOWN ON THE PLANS ARE TAKEN FROM UTILITY COMPANY OR OTHER RECORDS BELIEVED TO BE RELIABLE. THE OWNER AND ENGINEER ARE NOT RESPONSIBLE FOR ANY OMISSIONS OR VARIATIONS IN THE LOCATION OF THE UTILITIES ENCOUNTERED IN THE WORK.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO MAINTAIN THE INTEGRITY OF EXISTING UTILITIES AT ALL TIMES. ALL UTILITIES INCLUDING UTILITY POLES, IN THE VICINITY OF CONSTRUCTION SHALL BE PROTECTED BY BRACING, SUPPORTING, BY THE USE OF TRENCH BOXES OR OTHER ACCEPTABLE MEANS AS DETERMINED BY THE OWNER OF THE UTILITY. ALL COSTS FOR PROTECTION OF UTILITIES SHALL BE INCIDENTAL TO THE PROJECT.
3. ALL UTILITIES, MAINS, SERVICES, EDGE DRAINS, OIL LINES, OR OTHER SIMILAR ITEMS DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE CITY OF FLINT OR IN A MANNER ACCEPTABLE TO THE CITY OF FLINT. ALL COSTS FOR REPAIR OR REPLACEMENT SHALL BE THE CONTRACTOR'S RESPONSIBILITY AND INCIDENTAL TO THE PROJECT.
4. THE CONTRACTOR SHALL LIMIT CONSTRUCTION TRAFFIC AND EQUIPMENT TO THE AREA DIRECTLY UNDER CONSTRUCTION TO PREVENT DAMAGE TO ANY EXISTING IMPROVEMENTS, AND SHALL PREVENT THE SPREAD OF CONSTRUCTION DEBRIS OUTSIDE OF THE CONSTRUCTION AREA.
5. ALL TREES, SHRUBS AND LANDSCAPING NOT DESIGNATED TO BE REMOVED SHALL BE PROTECTED DURING CONSTRUCTION. ALL TREES, SHRUBS OR LANDSCAPING DAMAGED IN ANY WAY BY THE CONTRACTOR (INCLUDING DAMAGING ROOTS) SHALL BE REPLACED WITH LIKE SPECIES AND SIZE AT THE EXPENSE OF THE CONTRACTOR.
6. THE CONTRACTOR SHALL HAVE AN OPERATING VACUUM TYPE PICKUP SWEEPER ON THE JOB AT ALL TIMES. THE PAVEMENT SHALL BE SWEEPED A MINIMUM OF TWICE A DAY OR MORE FREQUENTLY AS NECESSARY. THE CONTRACTOR SHALL ALSO COMPLY WITH LOCAL AGENCY FUGITIVE DUST ORDINANCE.
7. THE CONTRACTOR SHALL MAINTAIN EXISTING STORM WATER DRAINAGE AT ALL TIMES DURING THE WORK. ALL COSTS FOR MAINTAINING DRAINAGE SHALL BE INCIDENTAL TO THE PROJECT EXCEPT AS MAY BE OTHERWISE PROVIDED FOR IN THE PROPOSAL.
8. RESTORATION SHALL BE WITH 4-INCHES OF TOPSOIL. THE CONTRACTOR SHALL RESTORE ALL AREAS DISTURBED BY THE CONTRACTOR'S OPERATION. RESTORATION OUTSIDE THE AREAS INDICATED SHALL BE AT THE EXPENSE OF THE CONTRACTOR. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN ESTABLISHED TURF ACCEPTABLE TO THE ENGINEER.

DEMOLITION

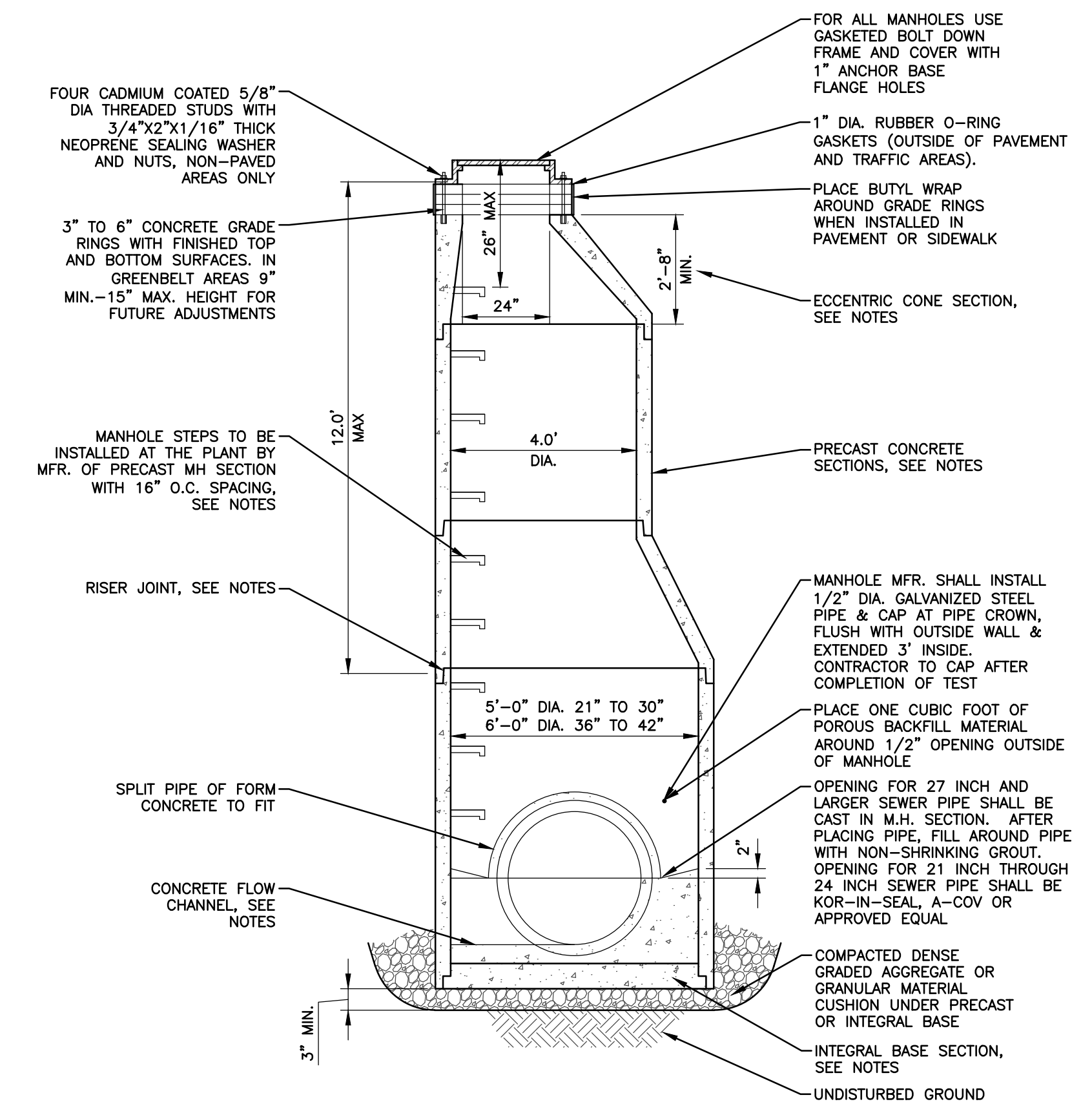
1. THE CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO PREVENT DAMAGE TO EXISTING STRUCTURES, WHICH ARE TO REMAIN, DURING DEMOLITION WORK. ALL DAMAGE SHALL BE REPAIRED TO THE COMPLETE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
2. WHEN REMOVING EXISTING CONCRETE BY CUTTING OR CHIPPING THE CONTRACTOR SHALL ONLY REMOVE REINFORCING BARS WHICH CANNOT BE BENT INTO AREAS WHERE NEW CONCRETE WOULD COMPLETELY COVER THEM.
3. IF FRACTURE OF ADJACENT CONCRETE OCCURS DURING DEMOLITION/ALTERNATION WORK, THE REPAIR SHALL BE WITH AN ENGINEER APPROVED PRESSURE INJECTED EPOXY, TO THE COMPLETE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
4. CONTRACTOR SHALL PROVIDE WRITTEN PLAN AND DESCRIPTION OF ALL DEMOLITION, MODIFICATION, OR ALTERNATION WORK ON EXISTING STRUCTURES FOR REVIEW AND ACCEPTANCE PRIOR TO BEGINNING WORK.
5. ANY REMAINING EXPOSED REINFORCING STEEL AFTER DEMO SHALL BE COATED WITH CORROSION INHIBITING COMPOUND. USE SIKA ARMATEC 110 EPOCEM OR APPROVED EQUAL.

SOIL EROSION & SEDIMENTATION CONTROL (SESC)

1. ALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE GENESEE COUNTY DRAIN COMMISSIONER.(GCDC). CONTRACTOR SHALL PAY ALL FEES, AND POST ANY BONDS REQUIRED TO OBTAIN A SESC PERMIT FROM GCDC.
2. ANY DIRT AND ACCUMULATED SEDIMENT ON ROADS AND STREETS IN THE VICINITY OF THE PROJECT OR OUTSIDE OF THE PROJECT VICINITY, BUT ATTRIBUTABLE TO THE PROJECT SHALL BE SWEEPED CLEAN AT LEAST TWICE DAILY WITH A VACUUM TYPE PICKUP BROOM. ALL MUD, DIRT AND DEBRIS TRACKED OR SPILLED ONTO THE EXISTING ROADS SHALL BE PROMPTLY REMOVED BY THE CONTRACTOR.
3. INSTALL TOPSOIL, SEED AND MULCH / TOPSOIL AND SOD HYDROSEED ON DISTURBED RIGHT-OF-WAY WITHIN 5 DAYS OF COMPLETING UTILITY INSTALLATION.
4. CLEAN ALL ACCUMULATED SEDIMENT FROM CATCH BASINS, SEWERS AND PAVEMENT AREAS AS REQUIRED FOLLOWING COMPLETION OF CONSTRUCTION.
5. IMMEDIATELY REMOVE ALL EXCESS EXCAVATED MATERIAL FROM SITE OR STABILIZE SOIL STOCKPILES SO EROSION AND SEDIMENTATION DOES NOT OCCUR.
6. SHOULD IT BE NECESSARY FOR THE CONTRACTOR TO DO ANY DEWATERING DURING THE COURSE OF CONSTRUCTION, THE CONTRACTOR SHALL FILTER ALL DISCHARGE THROUGH A DISCHARGE FILTER BAG OR OTHER SEDIMENT CONTROL DEVICE THAT WILL FILTER ALL DISCHARGE WATER. NO DEWATERING DISCHARGE SHALL BE ALLOWED TO FLOW UNFILTERED FROM THE CONSTRUCTION SITE OR INTO GLWA STORM/SANITARY SEWERS.
7. THE CONTRACTOR SHALL CONTROL THE DUST CREATED ON THE CONSTRUCTION SITE AT ALL TIMES. DUST CONTROL SHALL BE ACCOMPLISHED BY THE APPLICATION OF DUST CONTROL MATERIALS AND APPLICATION METHODS ACCEPTABLE TO THE AGENCY HAVING JURISDICTION. ALL COSTS FOR DUST CONTROL SHALL BE INCIDENTAL TO THE PROJECT.
8. ALL SOIL EROSION AND SEDIMENTATION CONTROL (SESC) DEVICES SHALL BE INSTALLED PRIOR TO CONTRACTOR BEGINNING ANY WORK OR IMMEDIATELY FOLLOWING THE PHASE OF CONSTRUCTION ALLOWING OR REQUIRING (SESC) DEVICES. ALL SESC DEVICES SHALL BE MAINTAINED IN AN EFFECTIVE, FUNCTIONING CONDITION AT ALL TIMES DURING THE COURSE OF THE WORK. ALL TEMPORARY SESC DEVICES SHALL BE REMOVED AND THE AREA RESTORED AFTER THE PERMANENT SESC MEASURES ARE INSTALLED AND FUNCTIONING.
9. SHOULD THE SOIL EROSION AND SEDIMENTATION CONTROL REQUIREMENTS OR THE DUST CONTROL REQUIREMENTS BE NEGLECTED, THE OWNER OR AGENCY HAVING JURISDICTION CAN REQUIRE THE CONTRACTOR TO CEASE ALL CONSTRUCTION OPERATIONS UNTIL THE REQUIREMENTS ARE SATISFACTORILY MET.
10. SOIL EROSION AND SEDIMENTATION CONTROL SHALL BE IN ACCORDANCE WITH PART 91 OF ACT 451 OF PA 1994.
11. ALL SOIL EROSION CONTROL MEASURES SHALL BE CHECKED A MINIMUM OF ONCE PER WEEK AND WITHIN A MINIMUM OF 24 HOURS AFTER EVERY 0.5" OF RAINFALL. ANY SOIL EROSION CONTROL MEASURES DAMAGED OR RENDERED INEFFECTIVE SHALL BE IMMEDIATELY REPAIRED OR REMOVED AND REPLACED AT NO ADDITIONAL COST.
12. AS SOON AS POSSIBLE, COMPLETE FINAL GRADING AND PLACING OF PERMANENT SOIL EROSION CONTROL DEVICES. AFTER ESTABLISHMENT OF PERMANENT VEGETATION, REMOVE ALL TEMPORARY SOIL EROSION CONTROL MEASURES.
13. CONTRACTOR SHALL PLACE INLET PROTECTION ON ALL EXISTING INLETS AND CATCH BASIN, EXCEPT INLETS OR CATCH BASINS TO BE REMOVED DURING THE FIRST PHASE OF THE PROJECT. CONTRACTOR TO CONFIRM WITH SITE ENGINEER ON ANY INLETS THEY DO NOT PLAN ON PLACING INLET PROTECTION.

LEGEND

ITEM(S) TO BE REMOVED	
FILL MATERIAL	
CONCRETE REMOVAL	



**SANITARY MANHOLE
FOR SEWERS 21" THROUGH 42"**
NOT TO SCALE

PROJECT MANAGER: T. HARRISON
C:\PL\WORK\171343721\GIS-PLTS-NOTES.DWG - C-001 - PLOTTED: 4/26/2024 8:49 AM BY: HARRISON, TIFFANY
FIELD BOOK INFORMATION:
DATE: 4/26/2024 8:49 AM BY: HARRISON, TIFFANY



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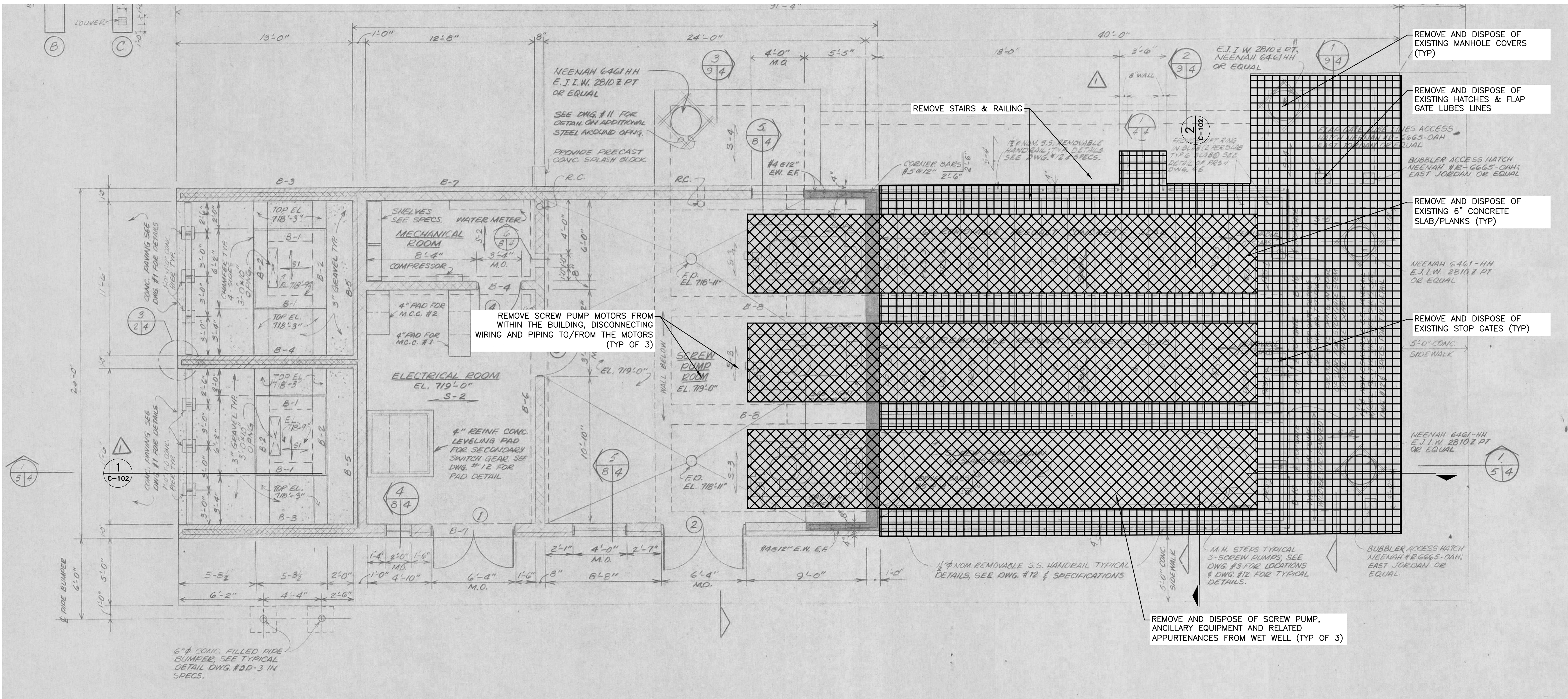
**CITY OF FLINT
GENESEE COUNTY, MICHIGAN**
SRF# 5739-01

CONSTRUCTION PLANS FOR
AVON PUMPING STATION DEMOLITION
GENERAL NOTES & LEGEND

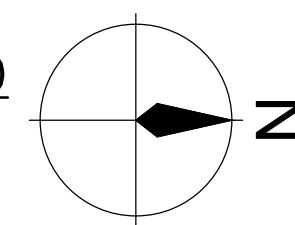
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IFB	05/22/24	TLH
JOB NO.	C0F107801F	
SHEET	C-001	

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PROJECT MANAGER: T. HARRISON
 CIVIL ENGINEER: T. HARRISON
 FIELD BOOK INFORMATION: C-101 - PLOTTED 4/26/2024 8:39 AM BY: HARRISON, TIFFANY



FIRST FLOOR PLAN - ELEV. 719.0
 NOT TO SCALE



NOTES:

1. REMOVE CONCRETE PLANKS FROM WET WELL, THEN REMOVE AND DISPOSE OF SCREW PUMPS, ANCILLARY EQUIPMENT AND RELATED APPURTENANCES FROM WET WELL.
2. REMOVE SCREW PUMP MOTORS FROM WITHIN THE SCREW PUMP ROOM, DISCONNECTING WIRING AND PIPING TO/FROM THE MOTORS.

CITY OF FLINT
 GENESEE COUNTY, MICHIGAN
 SRF# 5739-01
 CONSTRUCTION PLANS FOR
 AVON PUMPING STATION DEMOLITION
 EQUIPMENT DEMOLITION PLAN

ISSUED FOR:	DATE:	BY:
FINAL	04/26/24	TL
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JOB NO.
 COF107801F

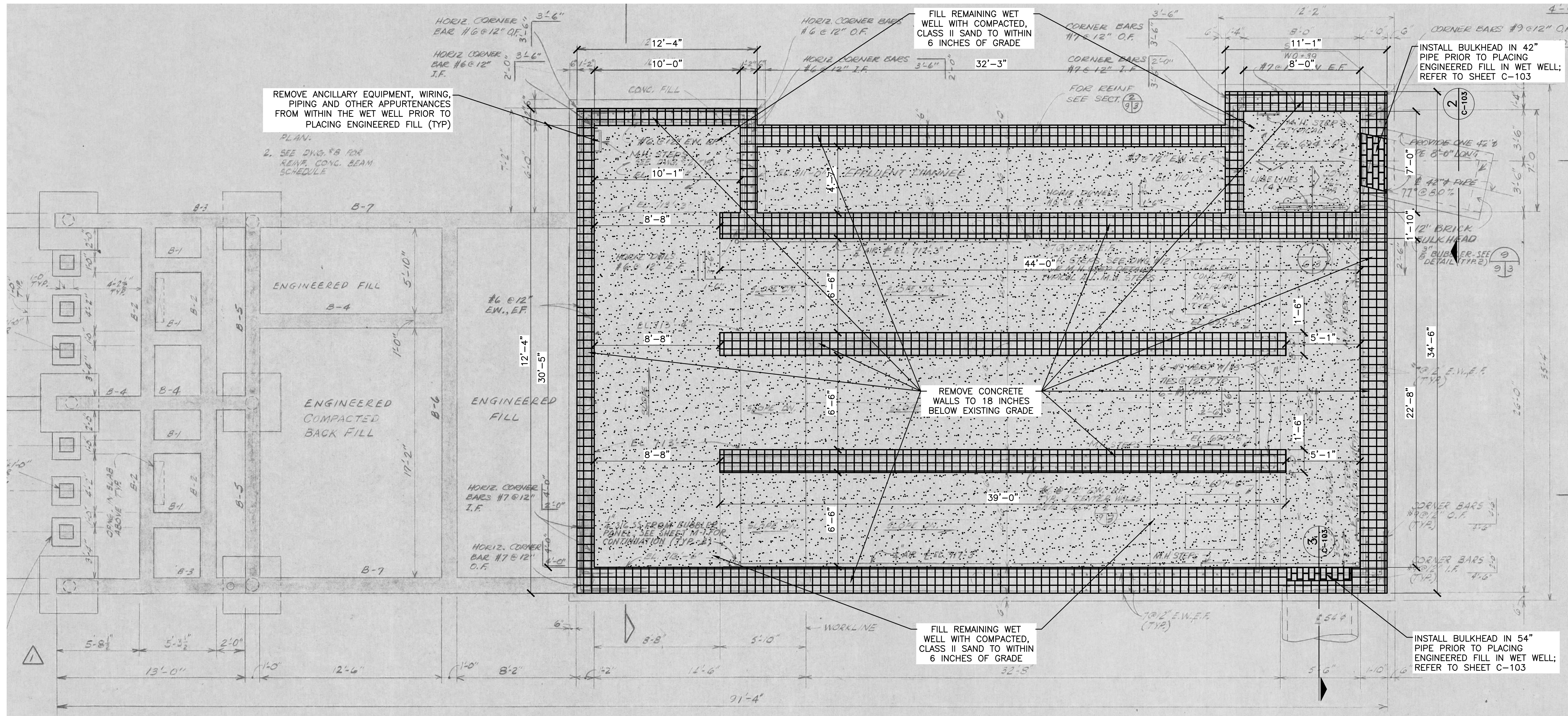
SHEET
 C-101

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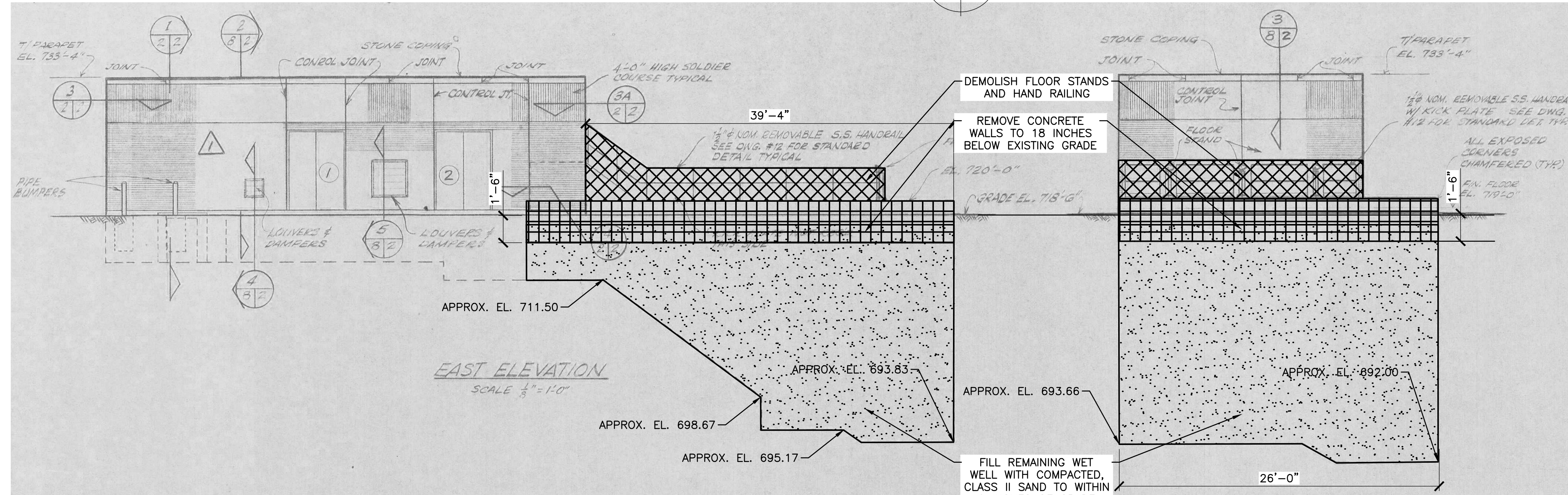


REV#	DATE	DESCRIPTION	BY





FOUNDATION PLAN
NOT TO SCALE



1 EAST ELEVATION
NOT TO SCALE

2 NORTH ELEVATION
NOT TO SCALE

- NOTES:**
1. INSTALL BULKHEAD IN 54" PIPE PRIOR TO PLACING ENGINEERED FILL IN WET WELL; REFER TO SHEET C-103.
 2. DEMOLISH WET WELL STRUCTURE AFTER REMOVING SCREW PUMPS AND THEIR APPURTENANCES (REFER TO SHEET C-101). CONCRETE TO BE REMOVED 18 INCHES BELOW GRADE.
 3. BACKFILL REMAINING WET WELL STRUCTURE WITH COMPACTED ENGINEERED FILL (E.G., CLASS II SAND) TO WITHIN 6 INCHES OF GRADE AND CAP TO GRADE WITH 6 INCHES OF TOP SOIL, SEED IN ACCORDANCE WITH SECTION 32 92 19.

PROJECT MANAGER: T. HARRISON; FIELD BOOK INFORMATION: C-102 - PLOTTED: 4/26/2024 9:39 AM BY: HARRISON, TIFFANY; C:\P\WORK\2024\34372\103-PLT-DEMO.DWG



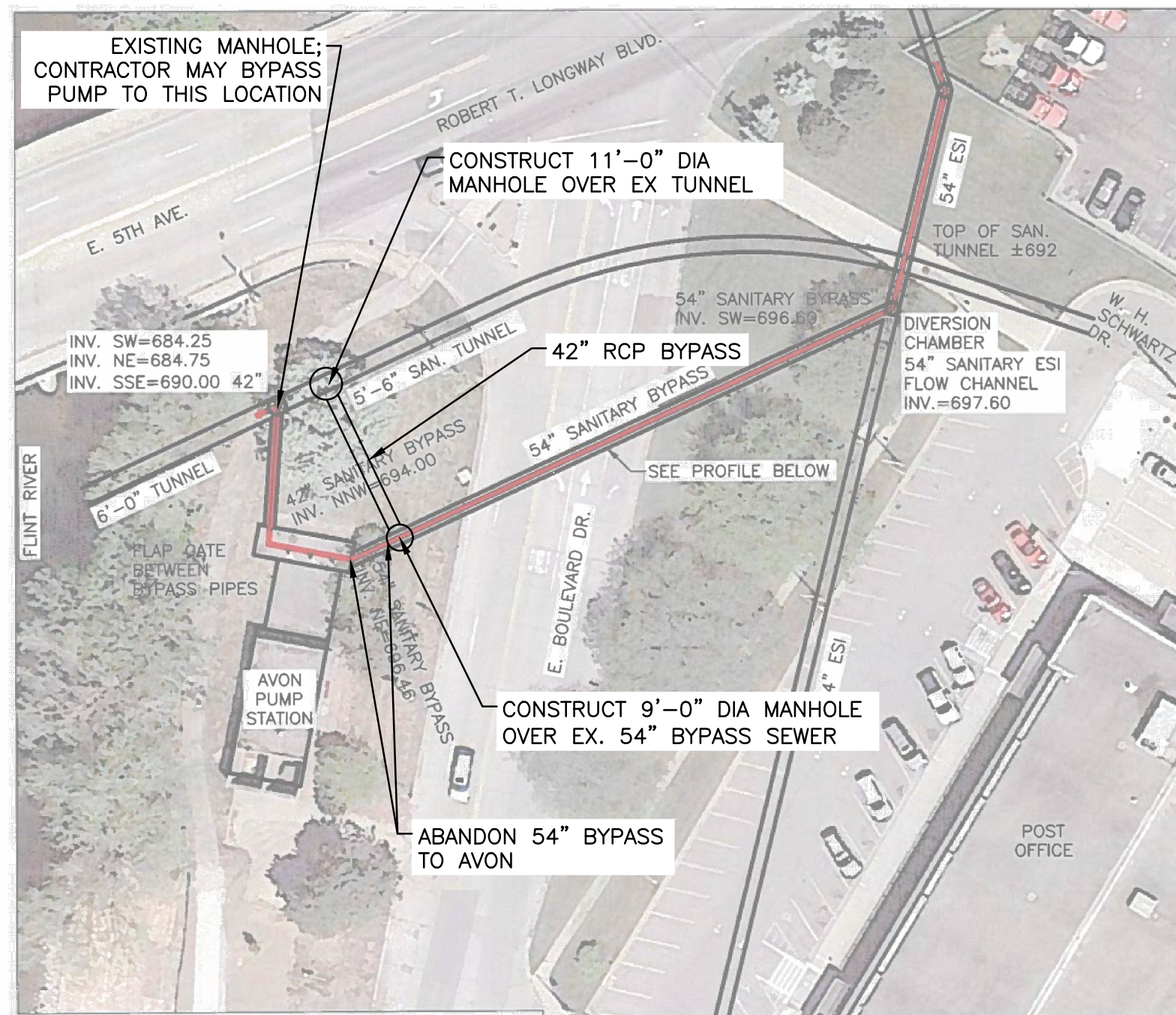
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1	07/19/23	REVISED DIMENSIONS; ADDED APPROX. ELEVATIONS		

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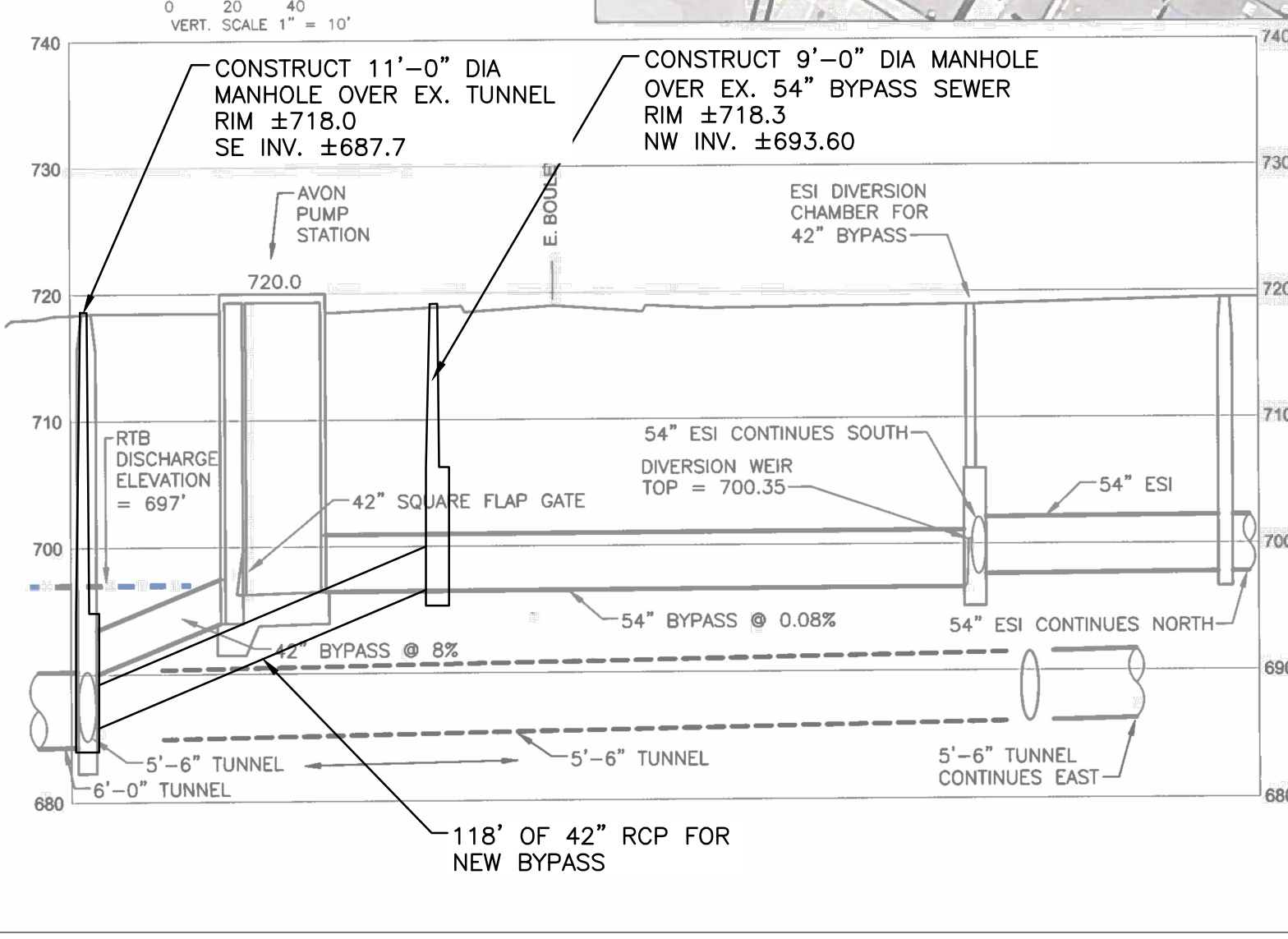
CITY OF FLINT
GENESEE COUNTY, MICHIGAN
SRF# 5739-01
CONSTRUCTION PLANS FOR
AVON PUMPING STATION DEMOLITION
WET WELL DEMOLITION PLAN

ISSUED FOR: FINAL	DATE: 04/26/24	BY: TLH
JOB NO: COF107801F	DATE: 05/22/24	BY: TLH
SHEET		
C-102		

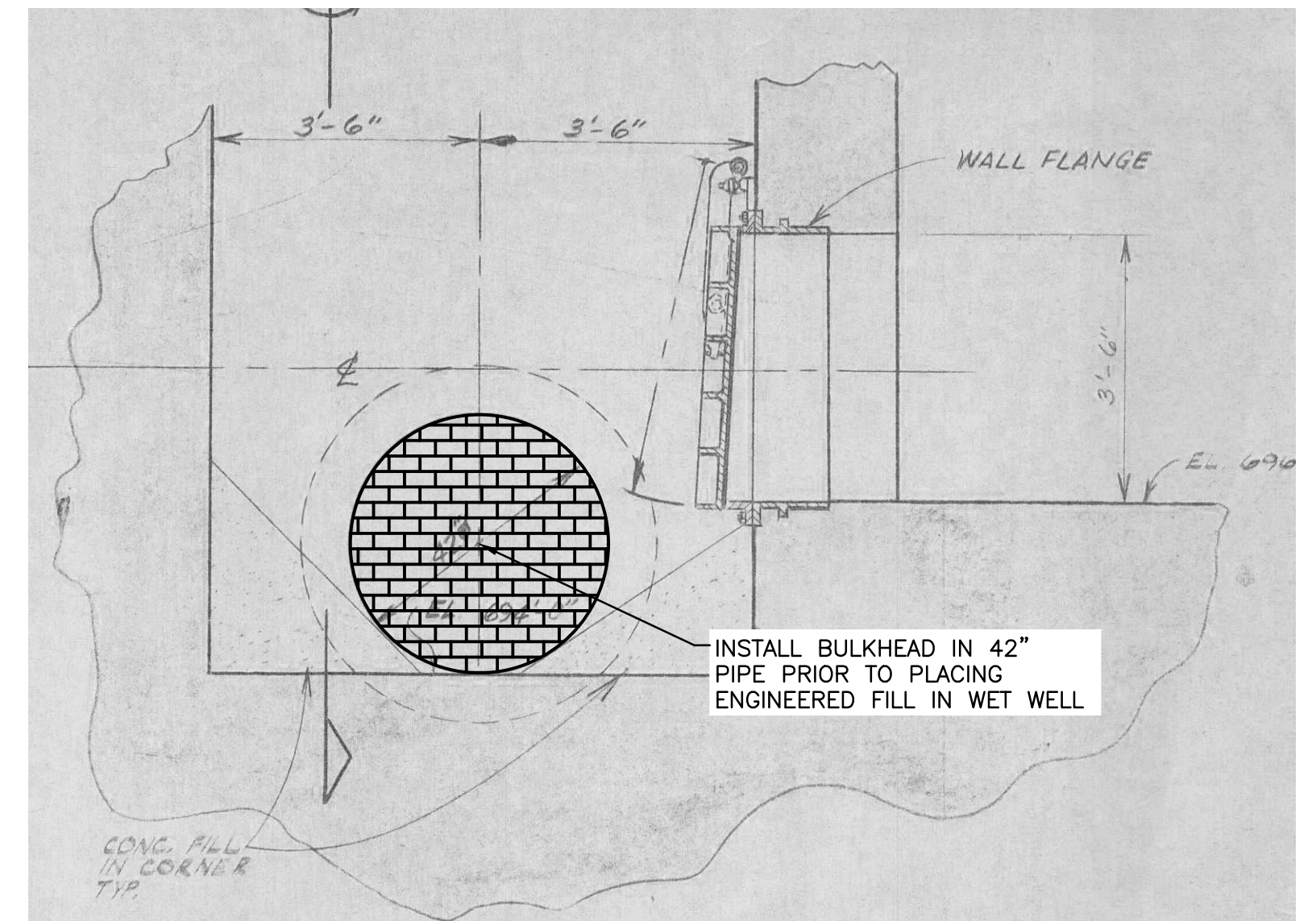
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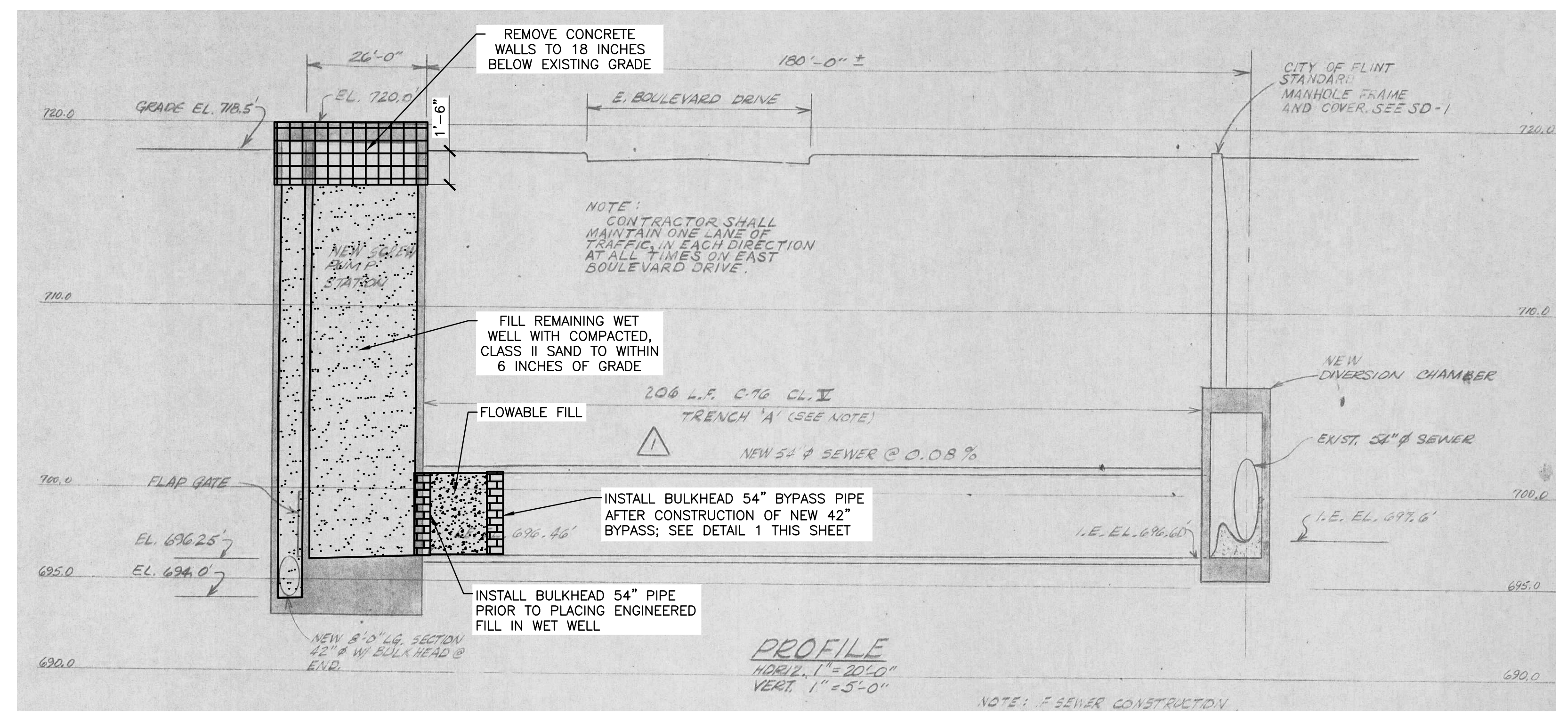
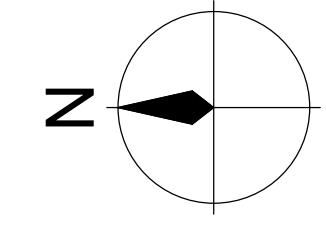
PROJ # 171961
AVON PS BYPASS PROFILE
 SCALE: 1" = 40'
 VERT. SCALE 1" = 10'



3 EXISTING & PROPOSED BYPASS
 C-102 NOT TO SCALE



**1 42\"/>
 C-103 NOT TO SCALE**



**2 54\"/>
 C-102 NOT TO SCALE**

- NOTES:**
1. CONSTRUCT NEW BYPASS SEWER AROUND AVON PUMPING STATION. TO ACHIEVE THE NEW BYPASS, CONSTRUCT NEW MANHOLE OVERTOP OF EXISTING 54" BYPASS AND THE 72" TUNNEL AS INDICATED IN DETAIL 3, THIS SHEET. THEN CONSTRUCT NEW 42" RCP BYPASS SEWER BETWEEN THE TWO MANHOLES.
 2. BULKHEAD EXISTING 54" BYPASS SEWER.
 3. INSTALL BULKHEAD IN 54" PIPE INTO THE WET WELL - DETAIL 2 AND 3 THIS SHEET - PRIOR TO PLACING ENGINEERED FILL IN WET WELL; REFER TO SHEET C-102.
 4. DEMOLISH WET WELL STRUCTURE AFTER REMOVING SCREW PUMPS AND THEIR APPURTENANCES (REFER TO SHEET C-101). CONCRETE TO BE REMOVED 18 INCHES BELOW GRADE. BACKFILL REMAINING WET WELL STRUCTURE WITH COMPACTED ENGINEERED FILL (E.G., CLASS II SAND) TO WITHIN 6 INCHES OF GRADE AND CAP TO GRADE WITH 6 INCHES OF TOP SOIL, SEED IN ACCORDANCE WITH SECTION 32 92 19.

PROJECT MANAGER: T. HARRISON
 CIVIL ENGINEER: T. HARRISON
 FIELD BOOK INFORMATION:
 C:\PLANNING\171961\GIS-PLTS-DEM.DWG - C-103 - PLOTTED 4/26/2024 8:42 AM BY: HARRISON, TIFFANY



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CITY OF FLINT GENESEE COUNTY, MICHIGAN SRF# 5739-01	CONSTRUCTION PLANS FOR AVON PUMPING STATION DEMOLITION SEWER BULKHEAD PLAN
ISSUED FOR: DATE: BY: FINAL 04/26/24 TLH IFB 05/22/24 TLH	1 7/19/23 ADDED NEW BYPASS SEWER & MHS 1 7/19/23 DATE 1 7/19/23 DATE
JOB NO. COF107801F	SHEET C-103
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