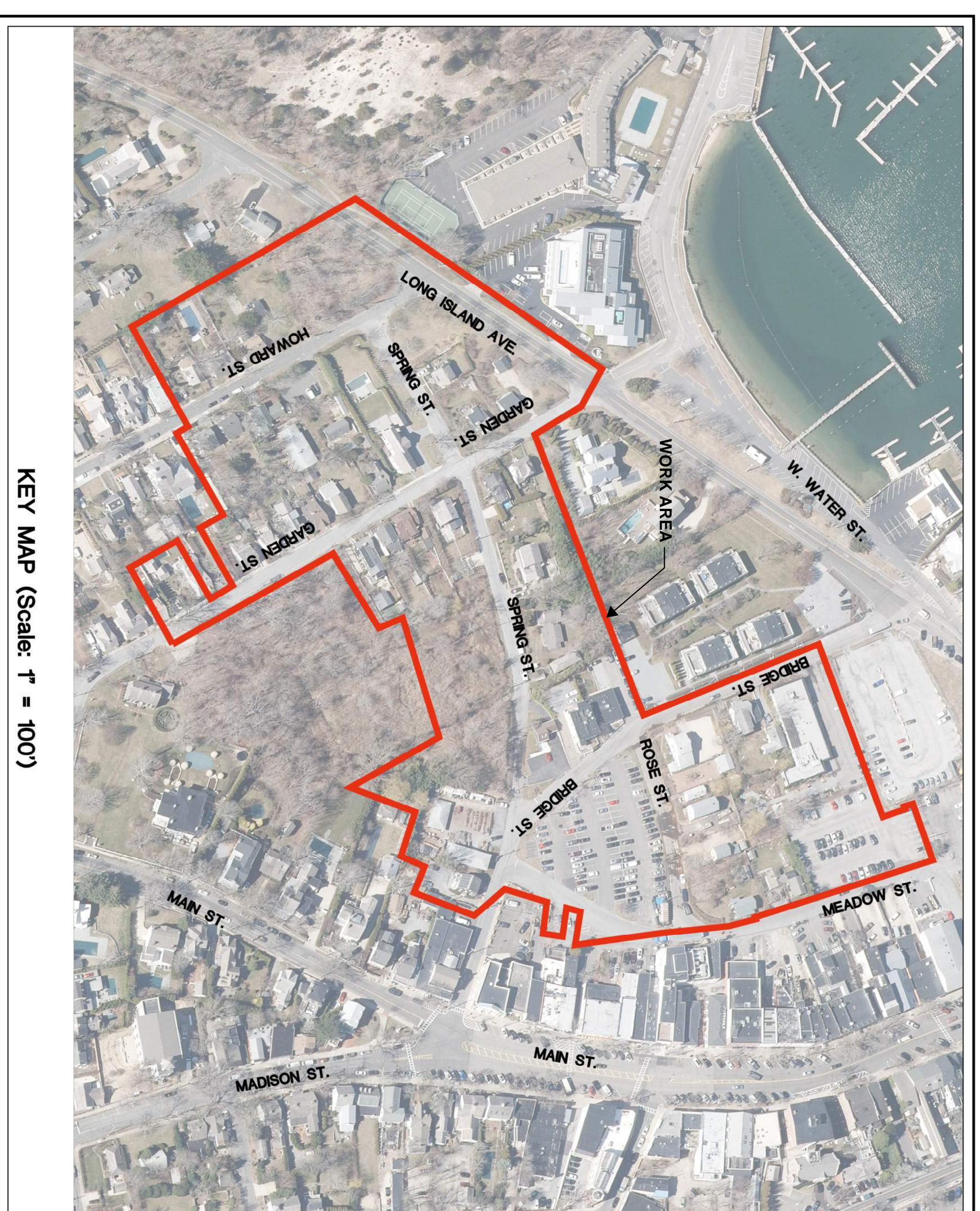


# SEWER SERVICE EXPANSION AREA SEWERSHED "K" VILLAGE OF SAG HARBOR SUFFOLK COUNTY, NY 11963



FOR REVIEW ONLY  
NOT FOR CONSTRUCTION

PREPARED BY:

CAMERON ENGINEERING  
& ASSOCIATES, LLP



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3011 Broadway, Suite 601, New York, NY 10008  
T: (212) 521-4000  
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APRIL 2022

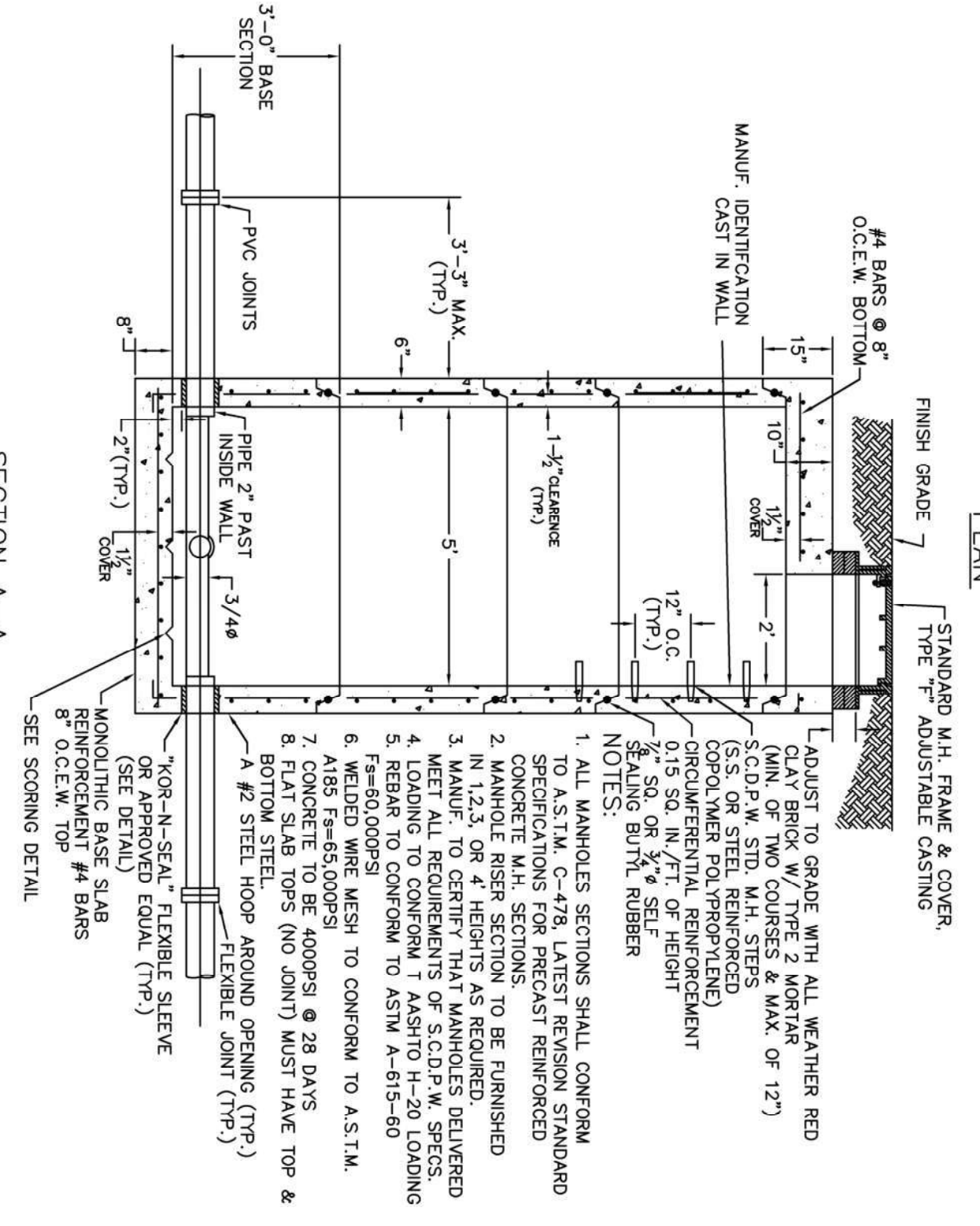
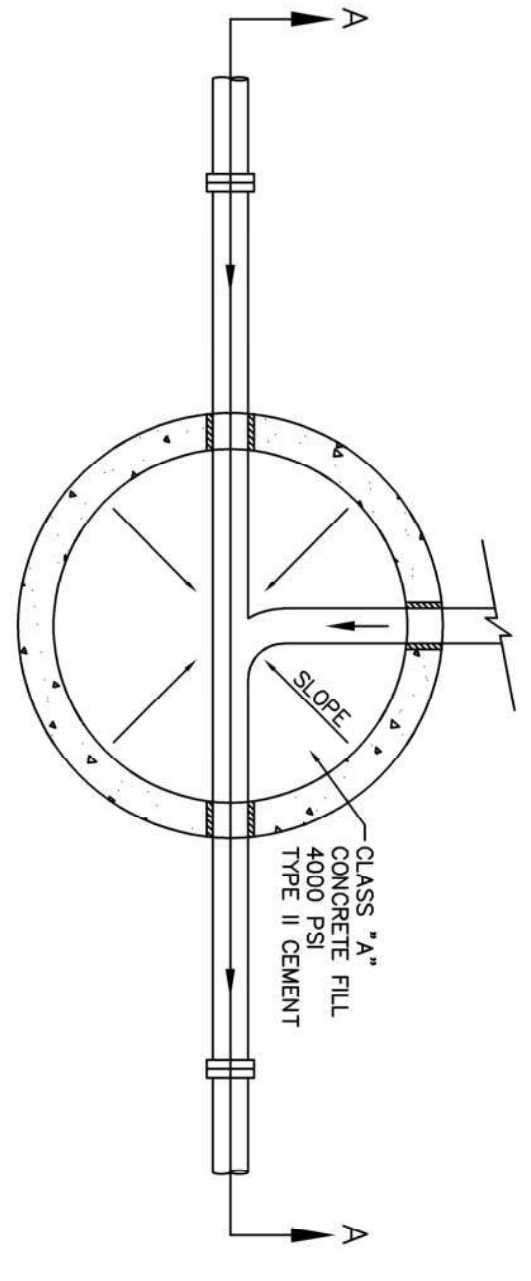
SEPARATELY BOUND SPECIFICATIONS  
ARE PART OF THIS CONTRACT





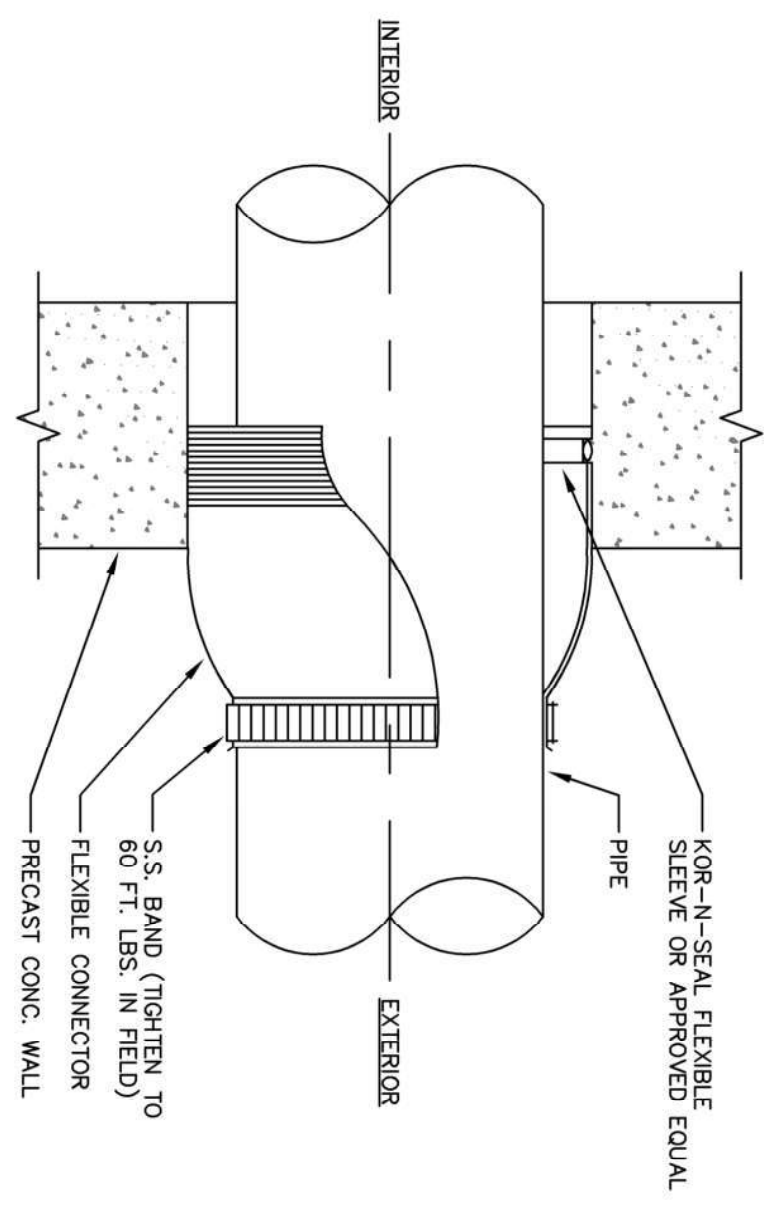




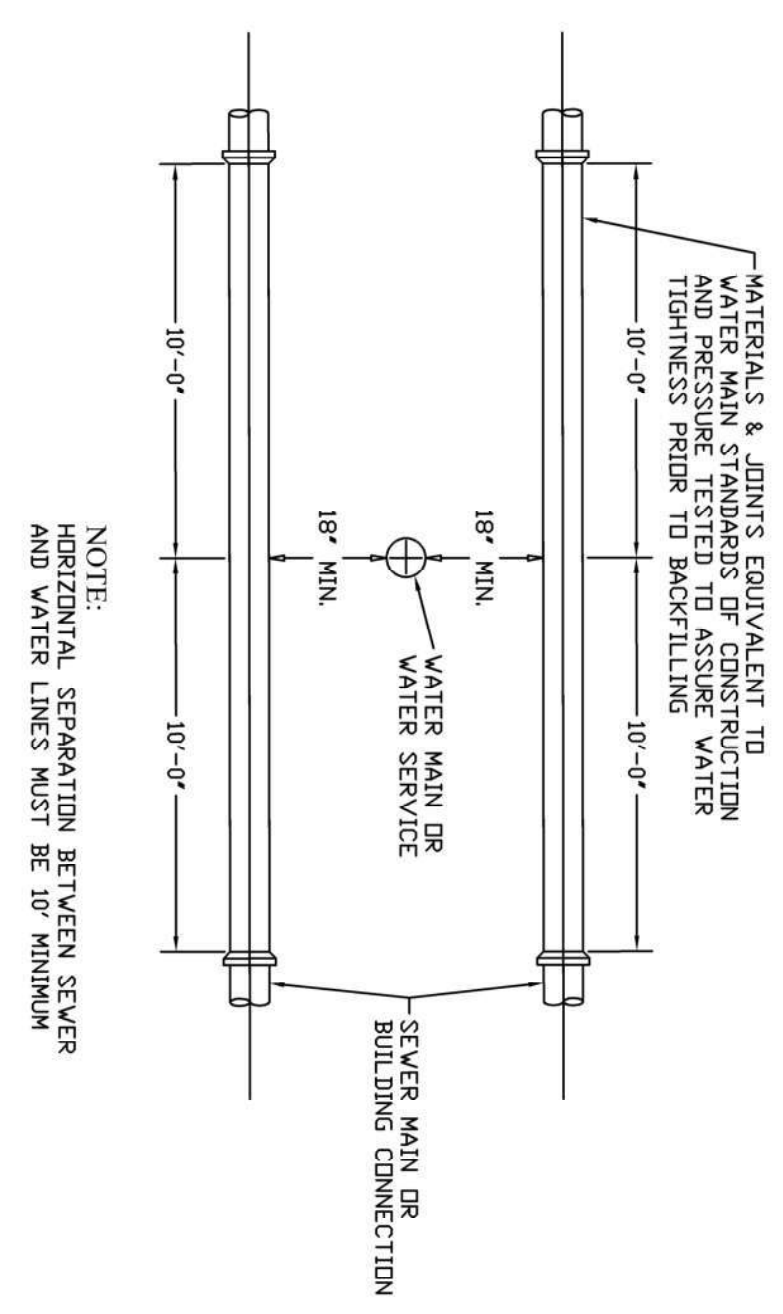


REGORATIONS FOR THE WET WELL LADDER AS PER SCDPW STANDARDS ARE AVAILABLE ON SHEET 4 OF 7 AT: [HTTP://SUFFOLKCOUNTY.NY.GOV/PORTALS/0/PUBLICWORKS/PDF/STDFILESHEETS.PDF](http://SUFFOLKCOUNTY.NY.GOV/PORTALS/0/PUBLICWORKS/PDF/STDFILESHEETS.PDF)

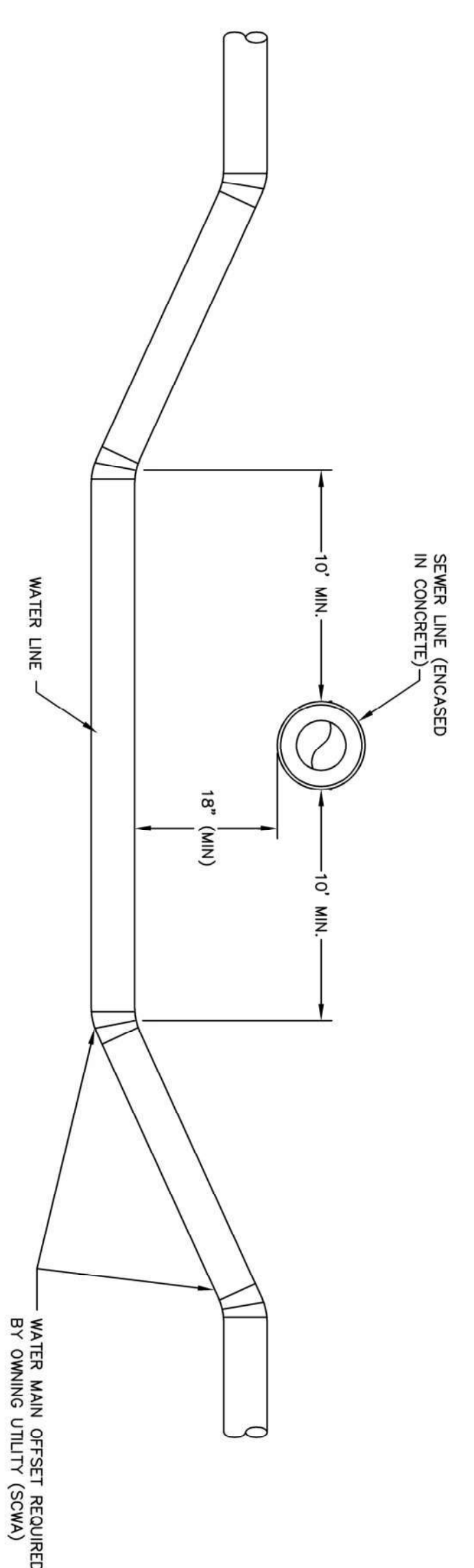
1 5 FOOT DIAMETER SANITARY MANHOLE SCALE: N.T.S.



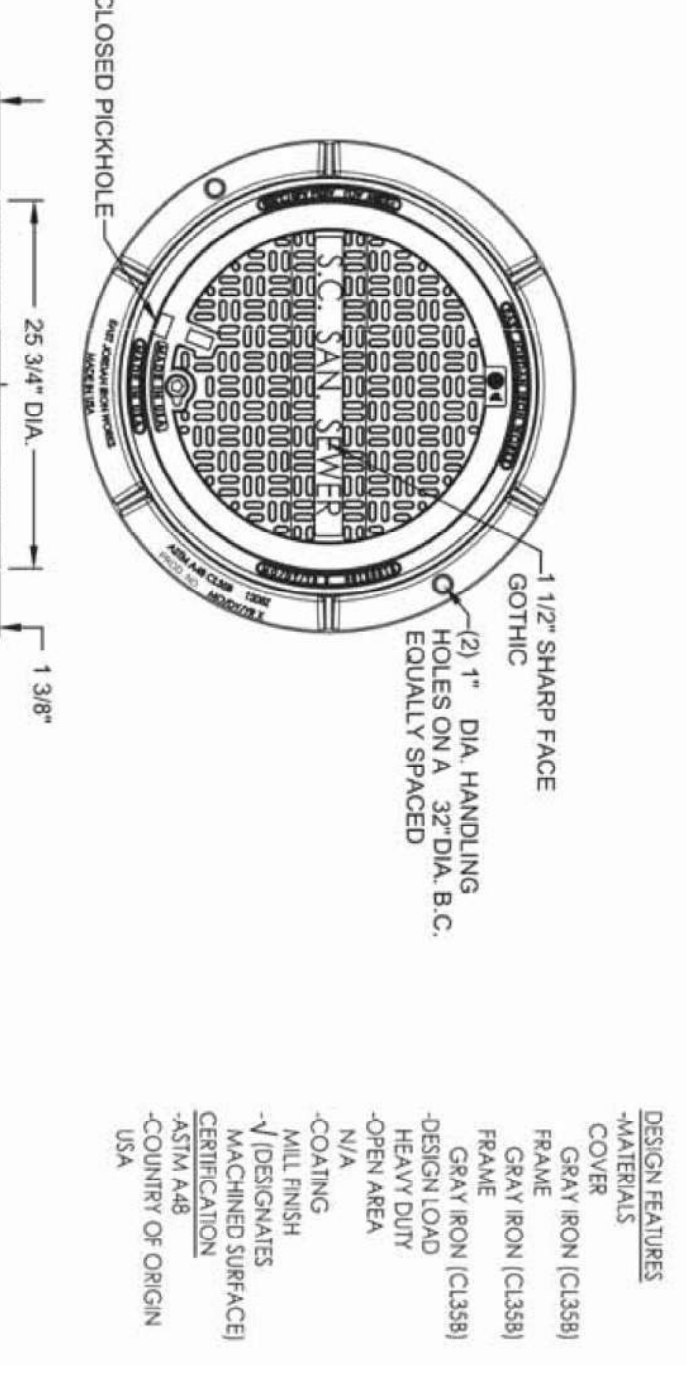
2 KOR-N-SEAL SANITARY STRUCTURE PENETRATION DETAIL SCALE: N.T.S.



3 WATER-SEWER CROSSING DETAIL SCALE: N.T.S.

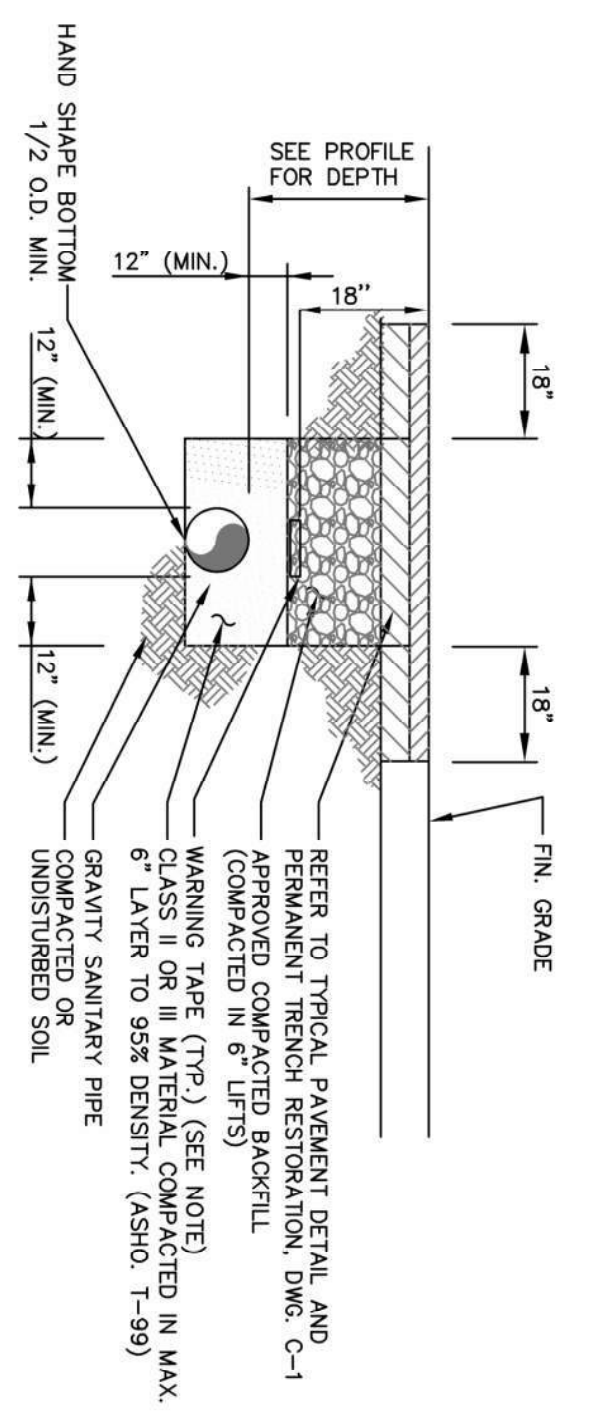


4 CROSSING OF WATER LINE UNDER SANITARY SEWER DETAIL SCALE: N.T.S.



DESIGN FEATURES  
 -MATERIALS  
 COVER  
 GRAY IRON (CLASS)  
 FRAME  
 GRAY IRON (CLASS)  
 GRAY IRON (CLASS)  
 HEAVY DUTY  
 -OPEN AREA  
 N/A  
 -COATING  
 N/A  
 -DESIGNER'S  
 MACHINED SURFACE  
 CERTIFICATION  
 -COUNTRY OF ORIGIN  
 USA

**MANHOLE GENERAL NOTES**  
 1. WHERE ALLOWANCE IS MADE FOR ADJUSTMENTS OF CASTINGS ADEQUATE BEARING WILL BE PROVIDED USING CONCRETE BLOCK, BRICK AND MORTAR.  
 2. FOR WALL HEIGHTS 5' OR LESS, WALLS MAY BE SOLID CONCRETE.  
 3. FOR WALL HEIGHTS 5' OR GREATER, WALLS ARE TO BE EITHER CAST IN PLACE OR PRECAST CONCRETE.  
 4. SIZE AND LOCATION OF PIPES VARIABLE. REFER TO PLANS AND PROFILES FOR SPECIFIC PIPE AND INVERT DATA.  
 5. ALL POURED CONCRETE WALLS ARE TO BE DOWELED IN INTO BOTTOM SLABS IN UNREINFORCED WALLS. NO. 4 DOWELS WILL BE SUBSTITUTED FOR VERTICAL CORNER BARS AND SHOULD BE EXTEND TOE SAME AMOUNT VERTICALLY AS HORIZONTALLY.  
 6. NO RINGS WILL BE REQUIRED FOR STRUCTURES 3' OR LESS IN DEPTH.



**TYPICAL TRENCH SECTIONS NOTES**  
 1. FOR BENCHES/CONDUITS BORED 8' OR GREATER BELOW FINISHED GRADE, PROVIDE SECONDARY WARNING TAPE 2.5' ABOVE CROWN OF BORED PIPE/CONDUIT, ALIGNED ALONG PIPE (CONDUIT CENTERLINE).  
 2. MAXIMUM TRENCH WIDTH FOR PAYMENT PURPOSES SHALL BE 4 FEET.  
 3. GRAVEL/SAND MIXTURES: POORLY GRADED SAND GRAVELS AND GRAVEL/SAND MIXTURES WITH LITTLE OR NO FINES, CLASS III BACKFILL MATERIAL SHALL CONSIST OF SILTY OR CLAYEY GRAVELS, GRAVELS/SAND/SILT OR GRAVELS AND CLAY MIXTURES.  
 4. FOR TRENCH EXCAVATION WORK WITHIN CLOSE PROXIMITY TO EXISTING NATIONAL GRID GAS FACILITY CONTRACTOR SHALL REFER TO ADDITIONAL NATIONAL GRID DETAILS ON DWG.  
 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE FIELD. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO HAVE UTILITY LOCATIONS MARKED OUT PRIOR TO THE COMMENCEMENT OF THE WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ALL UTILITY CONFLICTS WITH THE WORK AS SOON AS POSSIBLE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND WORK AS REQUIRED BY NYS INDUSTRIAL CODE 753.

6 TYPICAL FORCE MAN TRENCH DETAIL SCALE: N.T.S.

NO.	DATE	REVISION DESCRIPTION	INT.

5 SCDPW TYPE 'F' MANHOLE CASTING AND COVER SCALE: N.T.S.

NOTE: AASHTO M306 LOADING

**CAMERON ENGINEERING & ASSOCIATES, LLP**  
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PROJECT NAME:  
**SEWERSHED K  
 SEWER EXPANSION**

PROJECT LOCATION:  
**VILLAGE OF SAG HARBOR  
 SUFFOLK COUNTY, NY 11963**

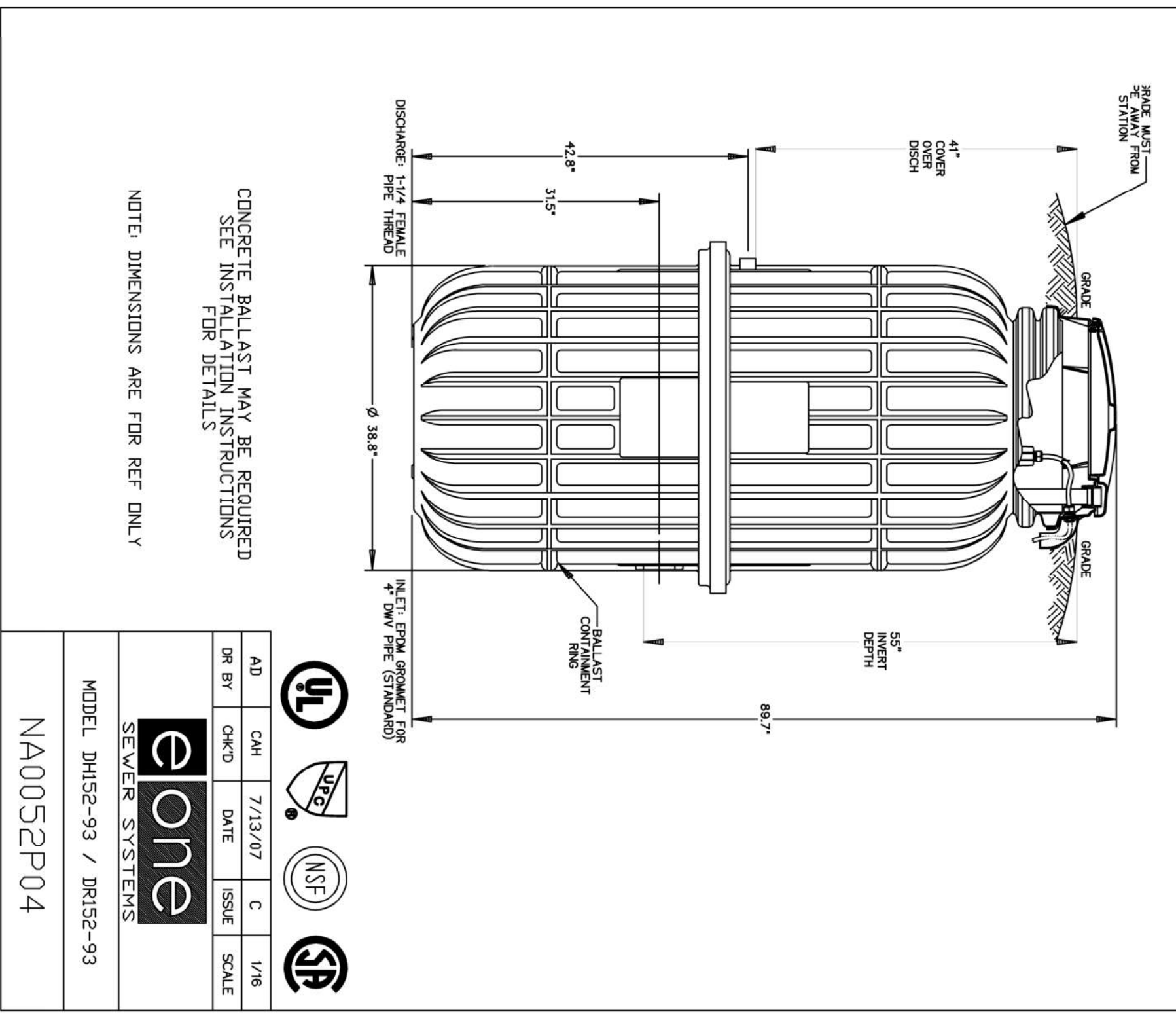
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DISCIPLINE:  
**CIVIL**

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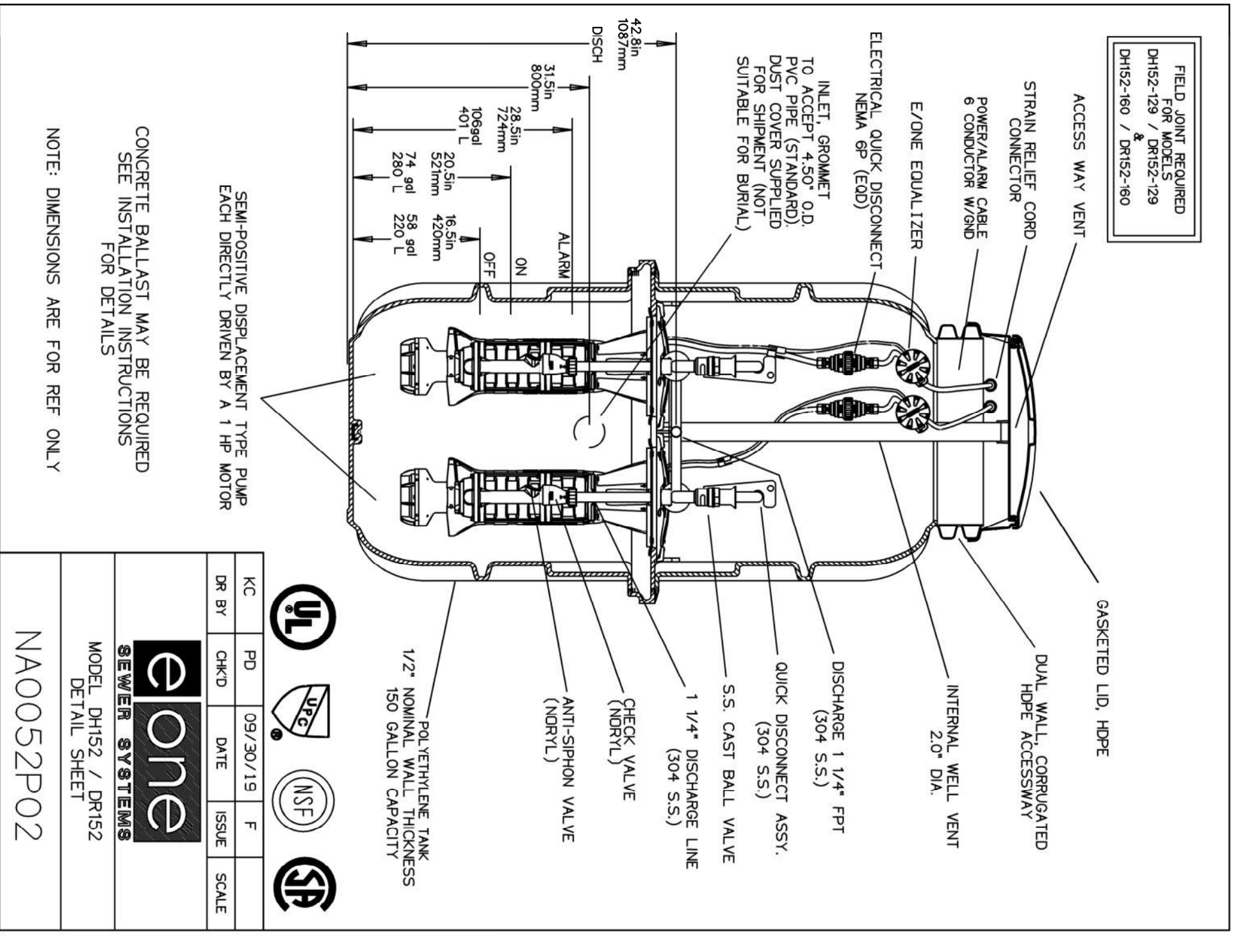
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MR DESIGNED BY: AC	CE2871-008	
DRAMA BY: AC	JOB NO. CE2871	
CHECKED BY: SH	DATE: APRIL 2022	
	SCALE: AS SHOWN	





AD	CH	7/13/07	C	1/8"
DR BY	CHKD	DATE	ISSUE	SCALE

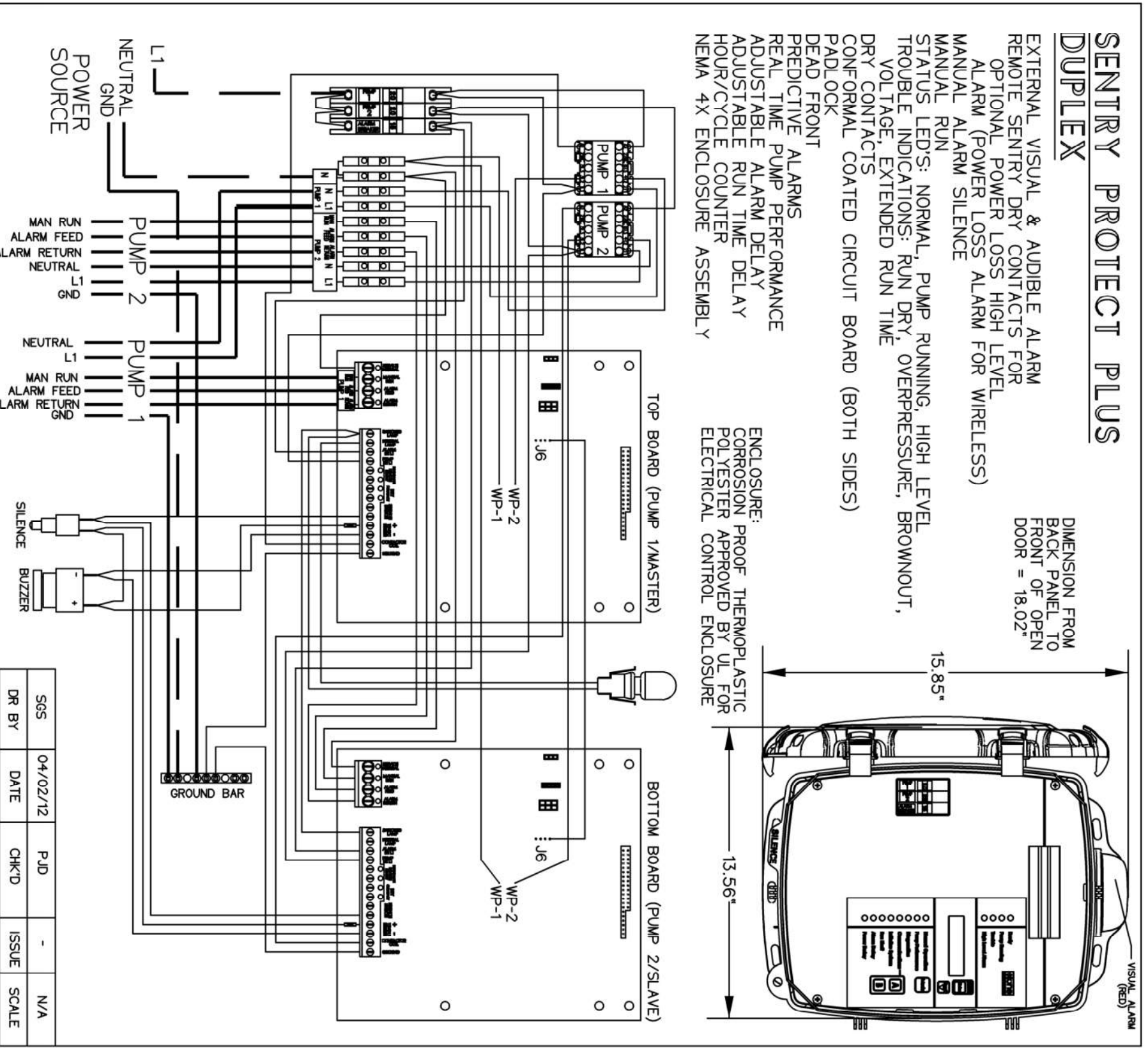
SEWER SYSTEMS  
**eone**  
 MODEL DH152-93 / DR152-93  
 NA0052P04



KC	PD	09/30/19	F	
DR BY	CHKD	DATE	ISSUE	SCALE

SEWER SYSTEMS  
**eone**  
 MODEL DH152 / DR152  
 DETAIL SHEET  
 NA0052P02

NO.	DATE	REVISION DESCRIPTION	INT.



SIS	04/02/12	PD	-	N/A
DR BY	DATE	CHKD	ISSUE	SCALE

SEWER SYSTEMS  
**eone**  
 SENTRY PROTECT PLUS PANEL, DUPLEX  
 120V 60HZ  
 NA0344P04

PIN	FUNCTION	2000S EXTREME
1	MANUAL RUN	RED BROWN
2	L1	BLACK RED
3	ND	WHITE BLACK
4	GN	GREEN GRAY/BL
5	ALARM FEED	ORANGE YELLOW
6	ALARM RETURN	BLUE BLUE

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 CAMERON ENGINEERING & ASSOCIATES, LLP  
 T: (631) 667-2800  
 F: (631) 667-2800  
 CAMERON@CAMERONENR.COM

PROJECT NAME:  
**SEWERSHED K  
 SEWER EXPANSION**

PROJECT LOCATION:  
**VILLAGE OF SAG HARBOR  
 SUFFOLK COUNTY, NY 11963**

TITLE:  
**MISCELLANEOUS DETAILS (4)**

DISCIPLINE:  
**CIVIL**

PRODUCT NUMBER:  
 MR  
 DESIGNED BY:  
 AC  
 DRAWN BY:  
 AC  
 CHECKED BY:  
 SH

PROJECT NO.:  
 CE2871-008

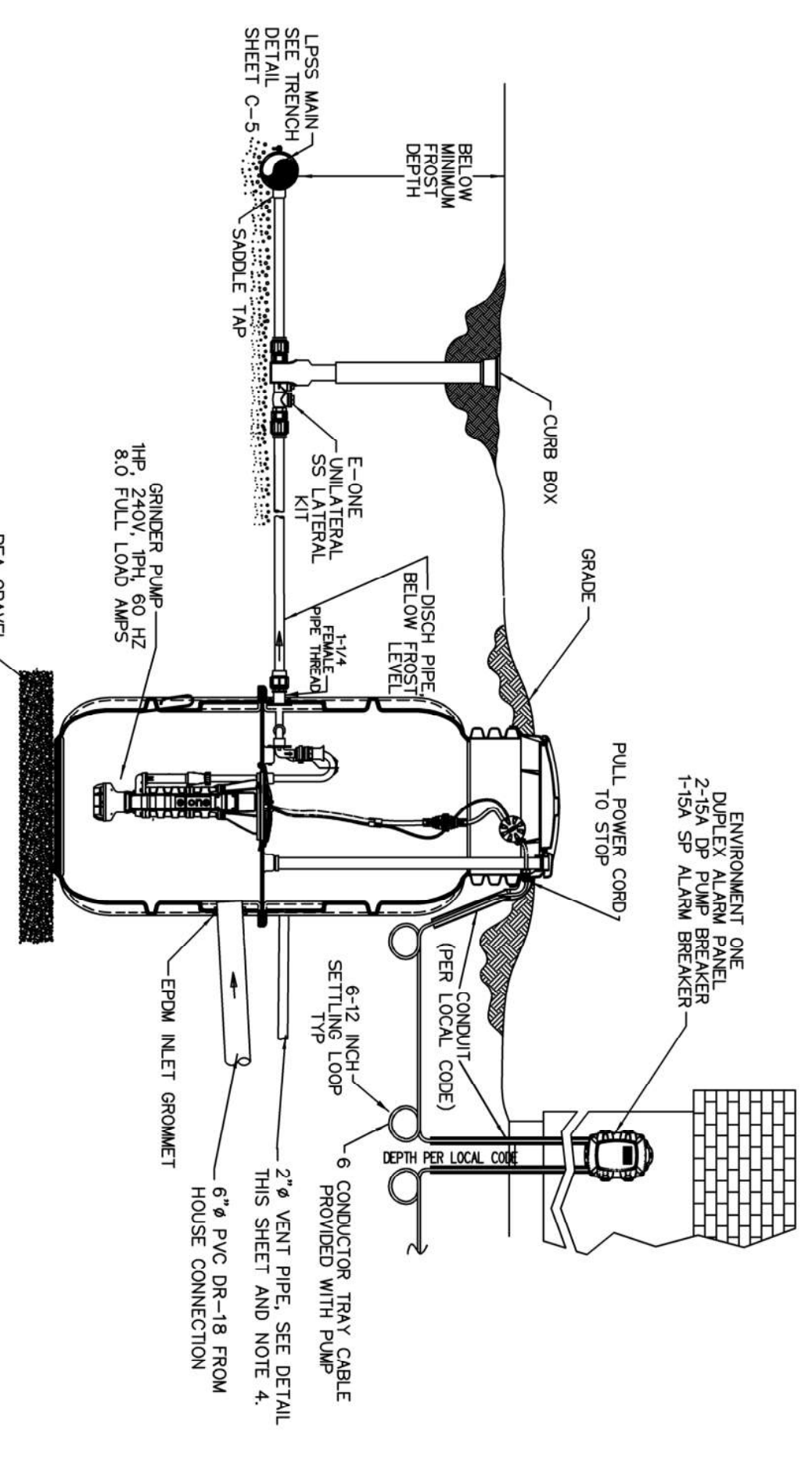
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 CE2871

DATE:  
 APRIL 2022

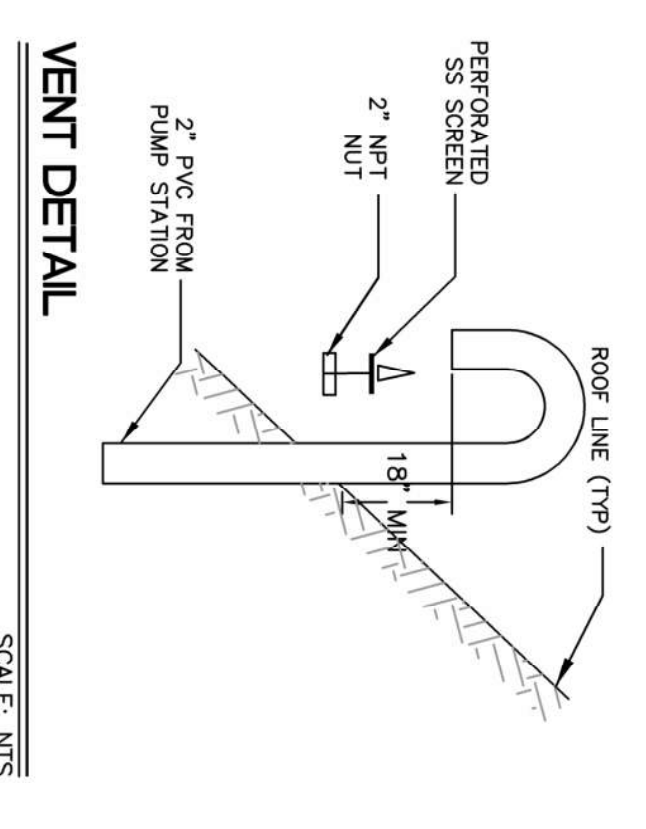
SCALE:  
 AS SHOWN

DRAWING NO.:  
**C-4**  
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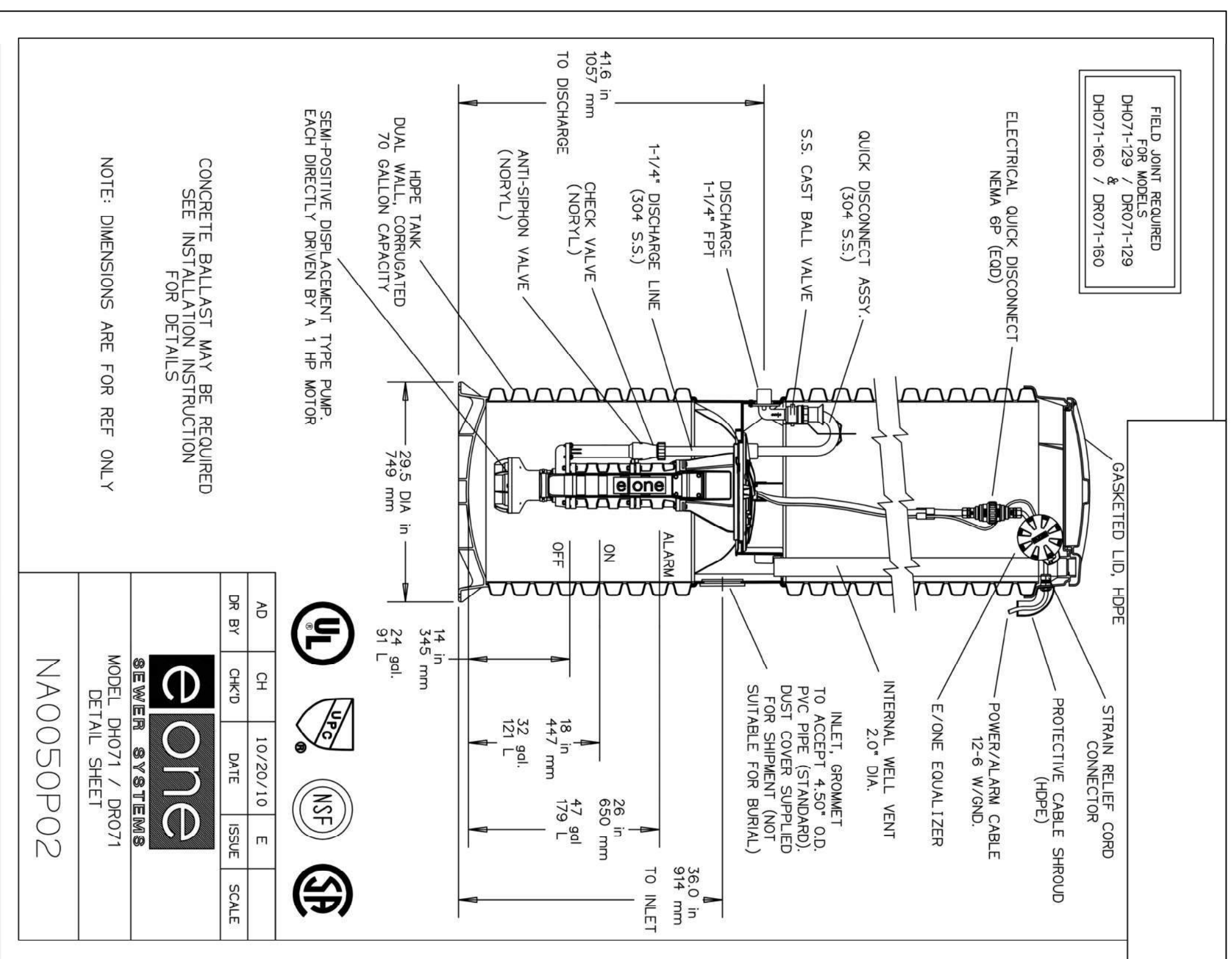
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NOTES:  
 1. COORDINATE LOCATION OF E-ONE CONTROL PANEL TO BE LOCATED ON EXTERIOR OF HOUSE.  
 2. PROVIDE CONCRETE SUPPORT PADS UNDER STAINLESS-STEEL LATERAL KITS.  
 3. PROVIDE EXTENSION STEPS TO GRADE FOR EACH STAINLESS-STEEL LATERAL KIT.  
 4. ROUTE 2" VENT UP BUILDING WALL ABOVE ROOF LINE.



SCALE: NTS

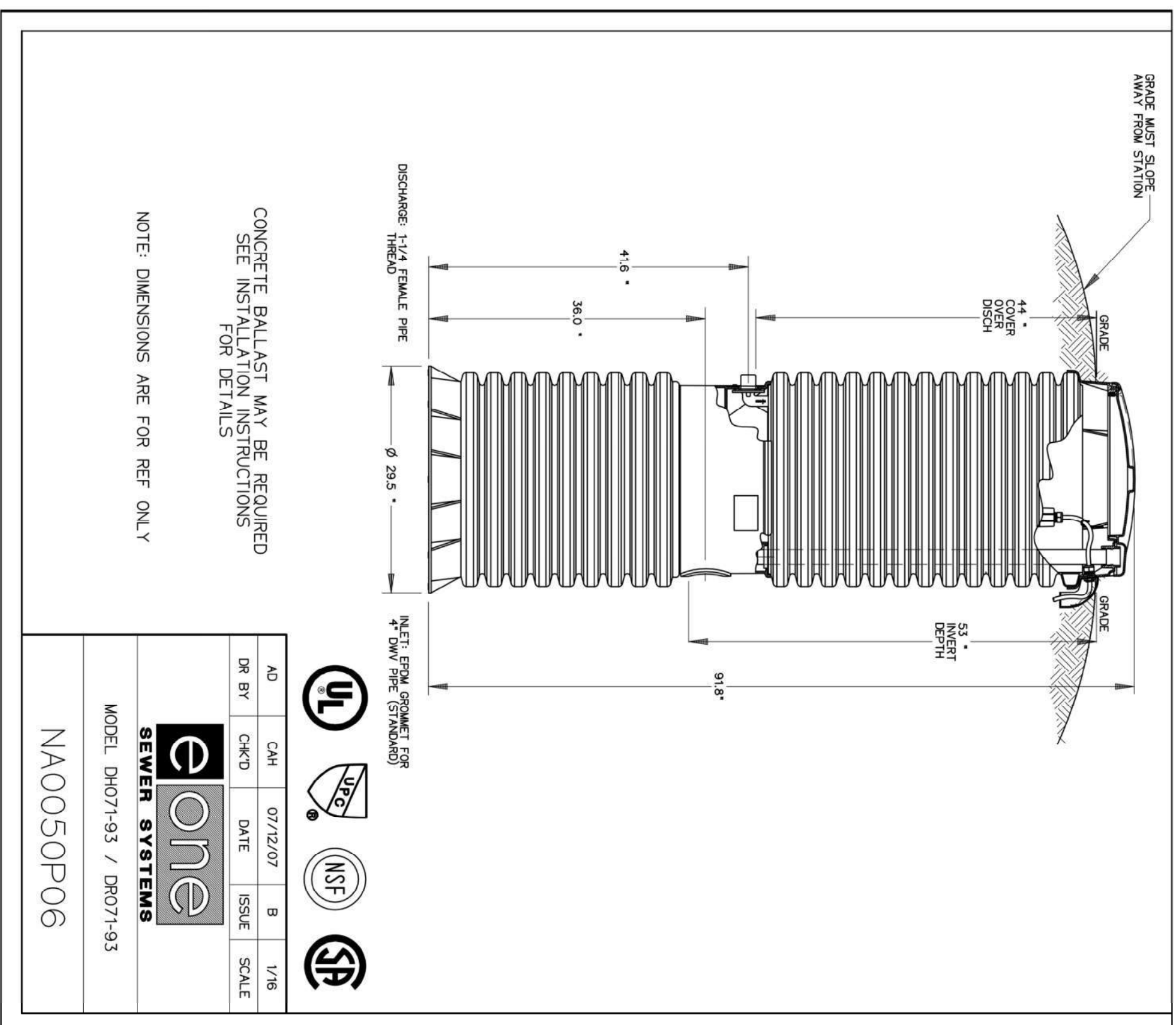


AD	CH	DATE	ISSUE	SCALE
DR BY	CHKD	DATE	ISSUE	SCALE

NOTE: DIMENSIONS ARE FOR REF ONLY

CONCRETE BALLAST MAY BE REQUIRED  
SEE INSTALLATION INSTRUCTION  
FOR DETAILS

SEWER SYSTEMS  
MODEL DH071 / DR071  
DETAIL SHEET  
NA0050P02

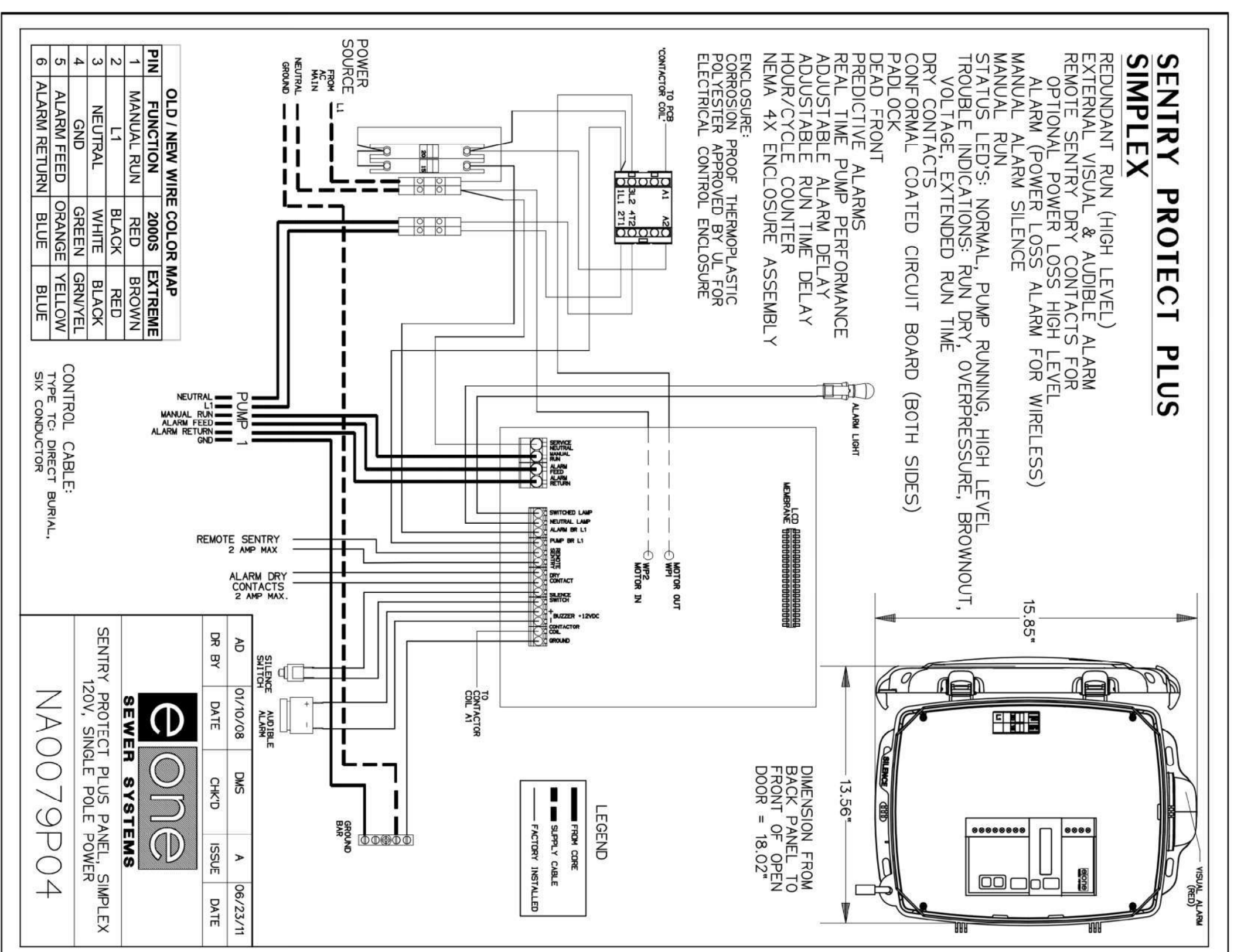


AD	CH	DATE	ISSUE	SCALE
DR BY	CHKD	DATE	ISSUE	SCALE

NOTE: DIMENSIONS ARE FOR REF ONLY

CONCRETE BALLAST MAY BE REQUIRED  
SEE INSTALLATION INSTRUCTION  
FOR DETAILS

SEWER SYSTEMS  
MODEL DH07-93 / DR07-93  
DETAIL SHEET  
NA0050P06



AD	CH	DATE	ISSUE	SCALE
DR BY	CHKD	DATE	ISSUE	SCALE

SEWER SYSTEMS  
SENTRY PROTECT PLUS PANEL, SIMPLEX  
120V, SINGLE POLE POWER  
MODEL NA0079P04  
DETAIL SHEET

NO.	DATE	REVISION DESCRIPTION	INT.

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Fax: (516) 337-8800  
www.cameron-engineering.com

PROJECT NAME:  
**SEWERSHED K  
SEWER EXPANSION**

PROJECT LOCATION:  
**VILLAGE OF SAG HARBOR  
SUFFOLK COUNTY, NY 11963**

TITLE:  
**MISCELLANEOUS DETAILS (5)**

DISCIPLINE:  
**CIVIL**

PRODUCT NUMBER:  
MR  
DESIGNED BY: AC  
CHECKED BY: SH

PROJECT NO.:  
CE2871-008

JOB NO.:  
CE2871

DATE:  
APRIL 2022

SCALE:  
AS SHOWN

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 Fax: 516-336-8801  
 Email: info@cameroneng.com  
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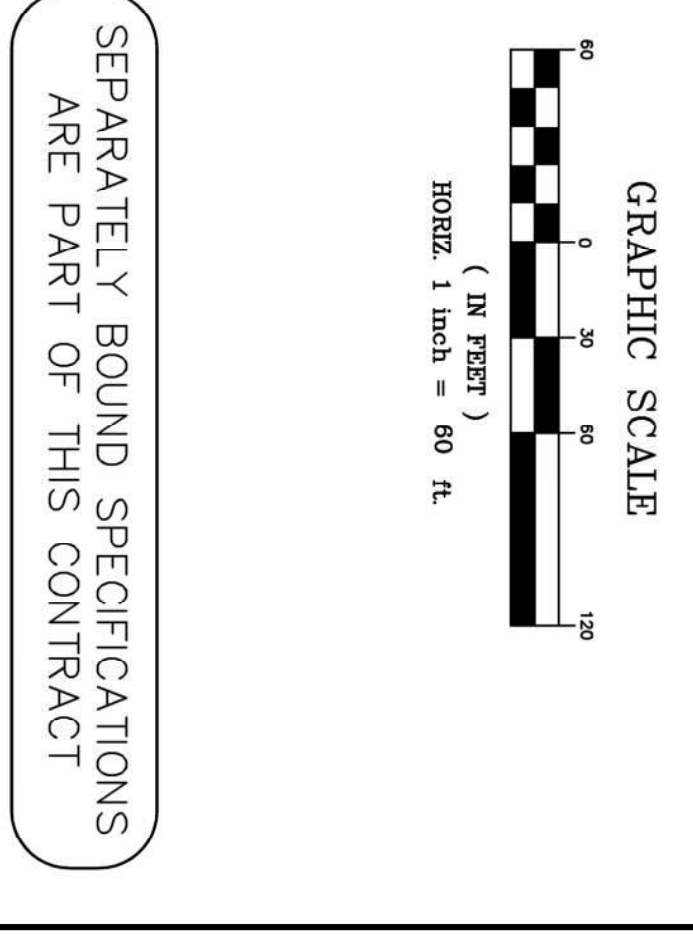
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 SEWER EXPANSION  
**VILLAGE LOCATION:**  
 VILLAGE OF SAG HARBOR  
 SUFFOLK COUNTY, NY 11963

**TITLE:**  
 OVERALL PLAN SEWER SHED 'K'  
**DISCIPLINE:**  
 CIVIL

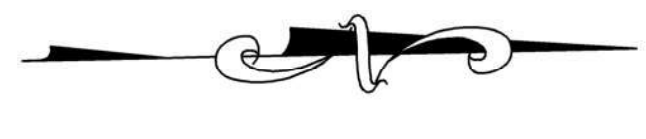
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 MR. SH  
 DESIGNED BY: AC  
 DRAWN BY: AC  
 CHECKED BY: SH

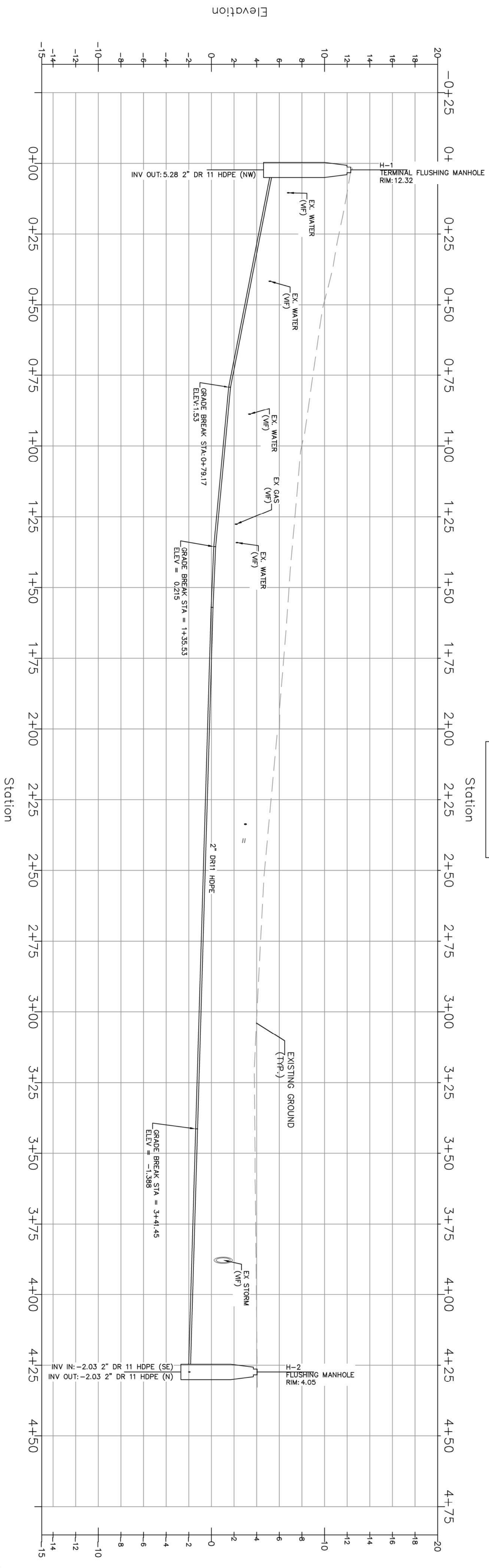
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**JOB NO.:** CE2871  
**DATE:** APRIL 2022  
**SCALE:** AS SHOWN

**DRAWING NO.:**  
**SS-1**  
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 15 of 32



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VERT SCALE 1" = 5'

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301 Terrence Road, Free Will, Westbury, NY 11591  
Tel: (516) 337-0000  
Tel: (516) 337-0000  
Tel: (516) 337-0000  
CEN/ENR/ELT

PROJECT NAME:  
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SEWER EXPANSION**

PROJECT LOCATION:  
**VILLAGE OF SAG HARBOR  
SUFFOLK COUNTY, NY 11963**

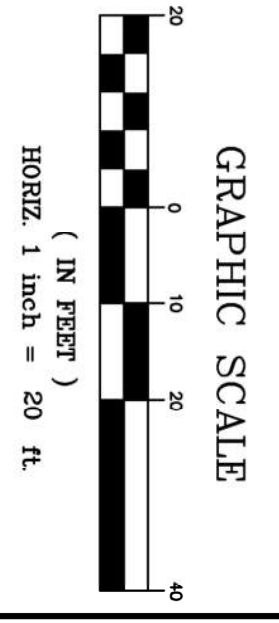
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MAIN PLAN AND PROFILE**

DISCIPLINE:  
**CIVIL**

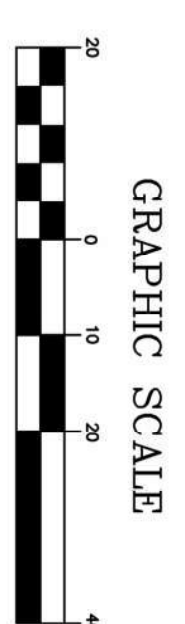
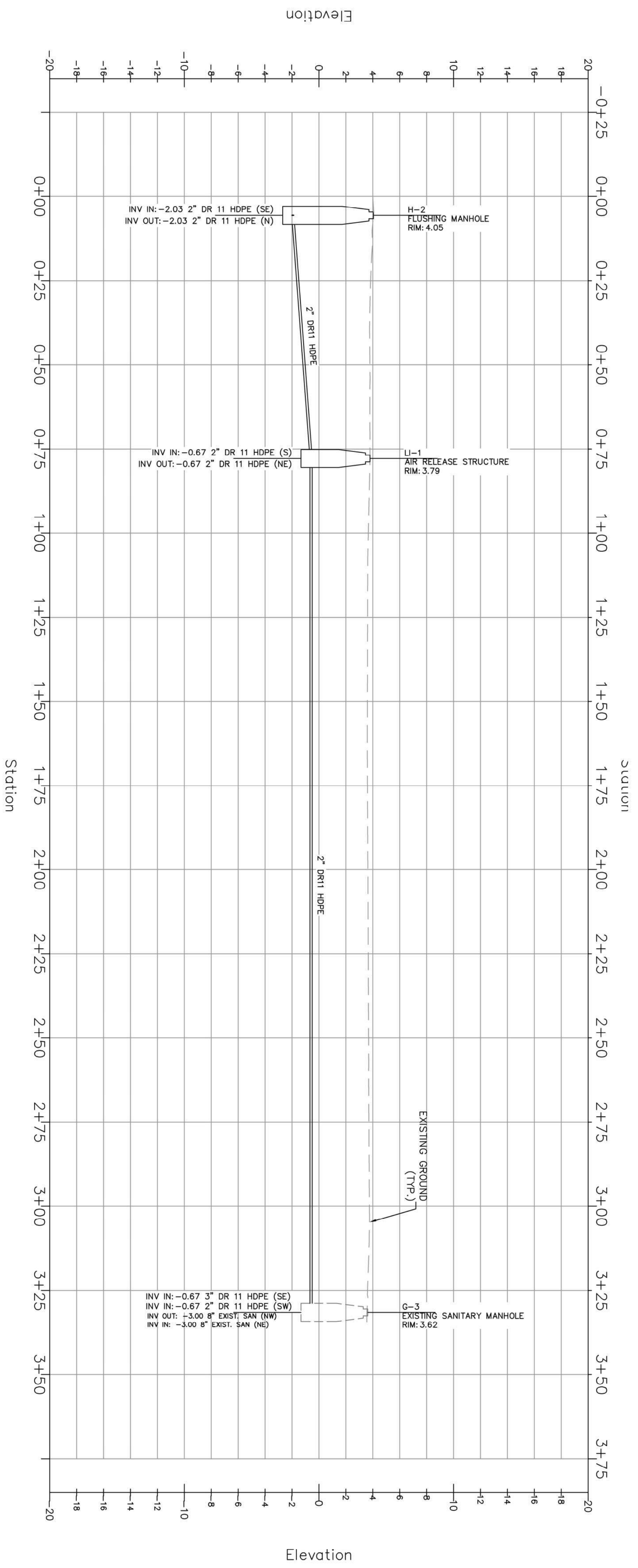
PROJECT ENGINEER:  
MR. [Name]  
DESIGNED BY:  
AC  
DRAWN BY:  
AC  
CHECKED BY:  
SH

PROJECT NO.: CE2871-008  
JOB NO.: CE2871  
DATE: APRIL 2022  
SCALE: AS SHOWN

DRAWING NO.: **SS-2**  
16 OF 32



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& ASSOCIATES, LLP**  
1177 Cambridge Parkway, Westbury, NY 11591  
300 Terpin Avenue, Westbury, NY 11591  
Tel: (516) 334-1100  
Fax: (516) 334-1101  
www.cameroneng.com

PROJECT NAME:  
**SEWERSHED K  
SEWER EXPANSION**

PROJECT LOCATION:  
**VILLAGE OF SAG HARBOR  
SUFFOLK COUNTY, NY 11963**

TITLE:  
**LONG ISLAND AVENUE SANITARY  
FORCE MAIN PLAN AND PROFILE**

DISCIPLINE:  
**CIVIL**


PROJECT ENGINEER:		PROJECT NO.:	
MR	DESIGNED BY:	CE2871-008	
AC	DRAWN BY:	CE2871	
AC	CHECKED BY:	APRIL 2022	
SH	SCALE:	AS SHOWN	

DRAWING NO.  
**SS-3**  
17 of 32

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 Phone: 516.339.0000  
 Fax: 516.339.0001  
 Email: info@cameroneng.com  
 Website: www.cameroneng.com

**PROJECT NAME:**  
 SEWERSHED K  
 SEWER EXPANSION  
 VILLAGE OF SAG HARBOR  
 SUFFOLK COUNTY, NY 11963

**TITLE:**  
 SPRING STREET SANITARY FORCE  
 MAIN PLAN AND PROFILE

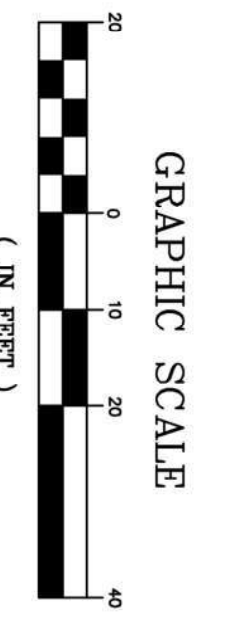
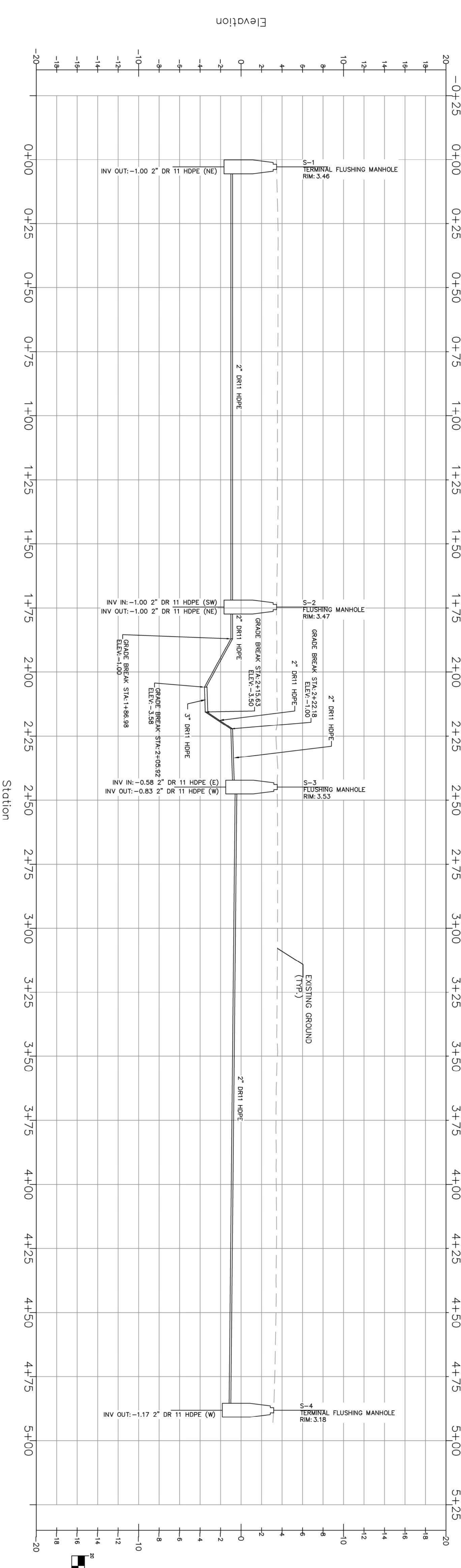
**RESPONSE:**  
 CIVIL

**PRODUCT ENGINEER:**  
 MR. A.C.  
 DESIGNED BY: A.C.  
 DRAWN BY: A.C.  
 CHECKED BY: SH

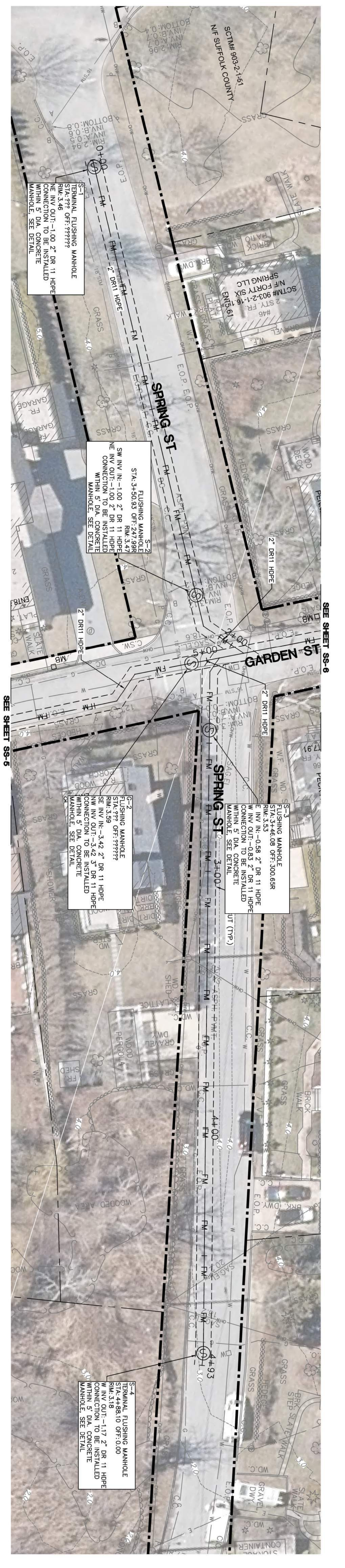
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**JOB NO.:** CE2871  
**DATE:** APRIL 2022  
**SCALE:** AS SHOWN

**DRAWING NO.:**  
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 18 of 32

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HORIZ SCALE 1" = 20'  
 VERT SCALE 1" = 3'

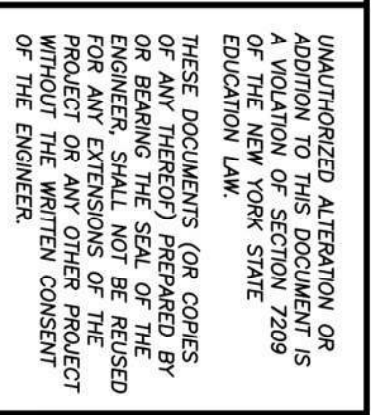


SEE SHEET SS-6

SEE SHEET SS-5

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 516.334.7500  
 3001 Towne Road, Free Plains, NY 11743  
 516.919.7218  
 cameron@cameroneng.com  
 CAMERON

**PROJECT NAME:**  
 SEWERSHED K  
 SEWER EXPANSION  
**PROJECT LOCATION:**  
 VILLAGE OF SAG HARBOR  
 SUFFOLK COUNTY, NY 11963

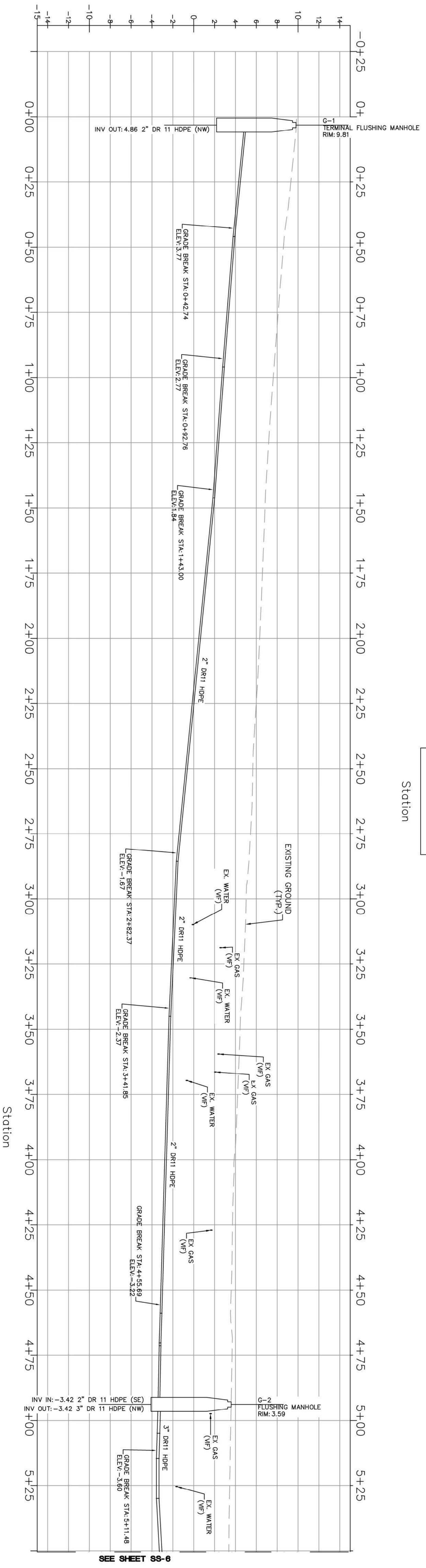
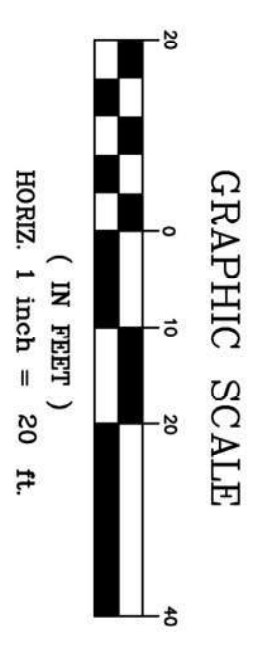
**TITLE:**  
 GARDEN STREET SANITARY FORCE  
 MAIN PLAN AND PROFILE

**PROJECT ENGINEER:** MR. AC  
**DESIGNED BY:** AC  
**DRAWN BY:** AC  
**CHECKED BY:** SH

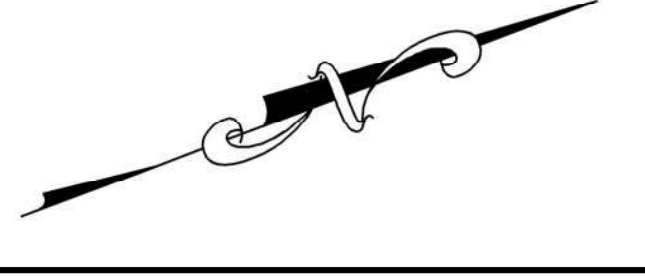
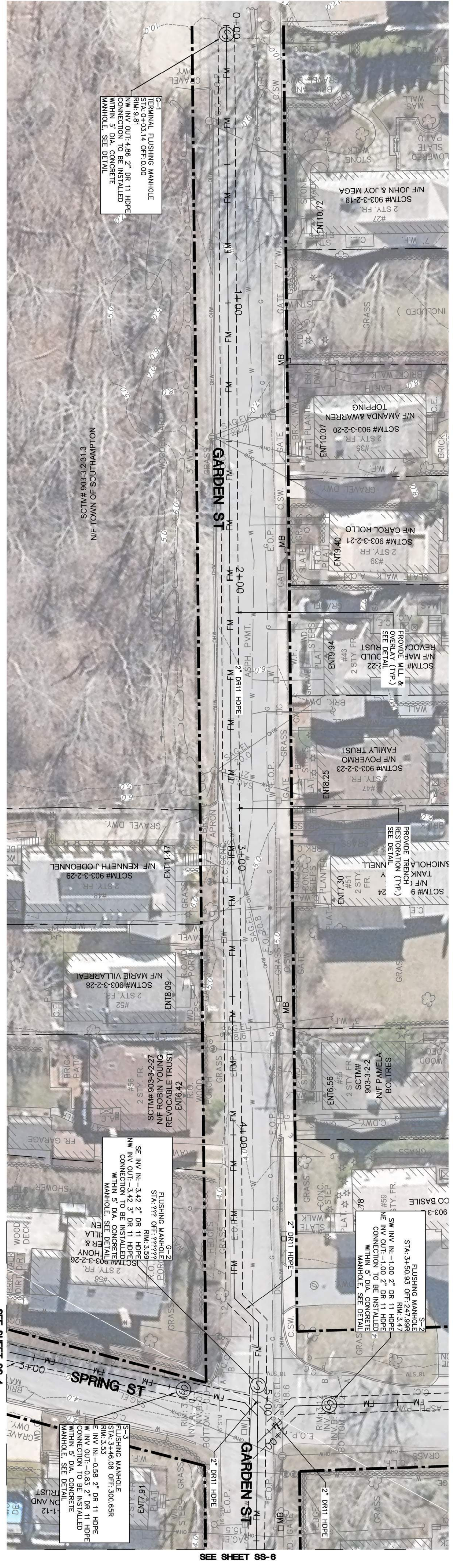
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**JOB NO.:** CE2871  
**DATE:** APRIL 2022  
**SCALE:** AS SHOWN

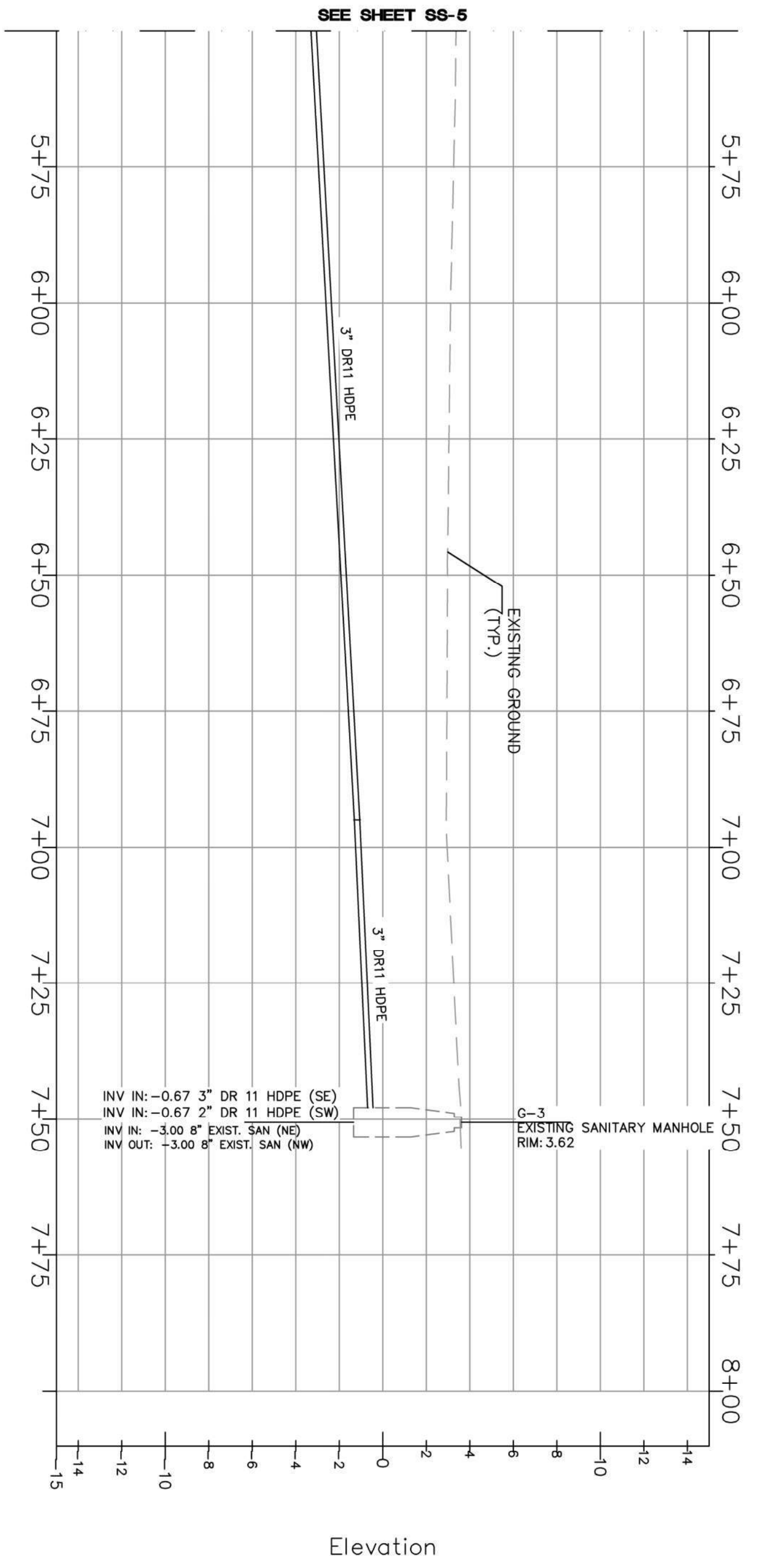
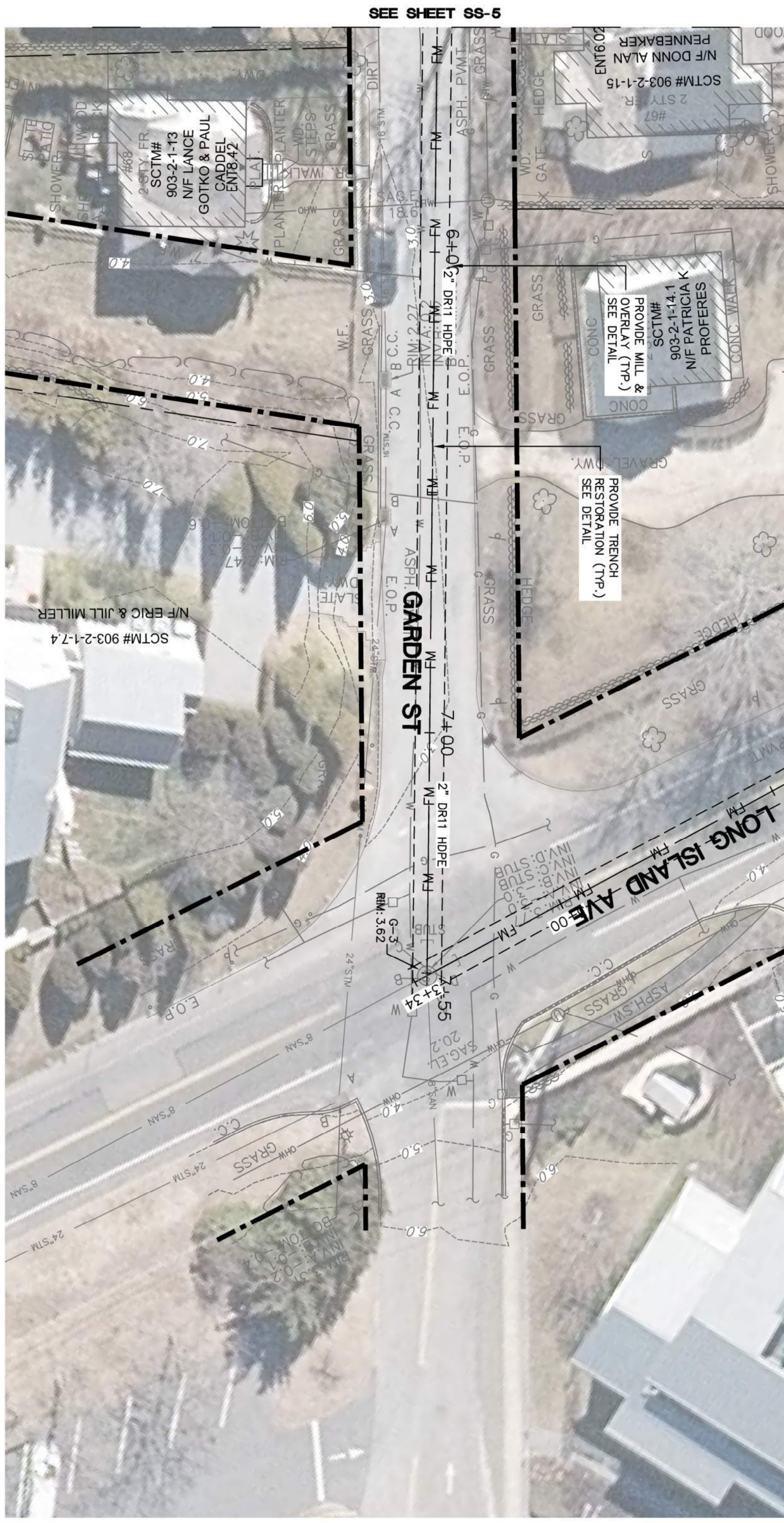
**DRAWING NO.:** SS-5  
 19 of 32

SEPARATELY BOUND SPECIFICATIONS ARE PART OF THIS CONTRACT



HORIZ SCALE 1" = 20'  
 VERT SCALE 1" = 5'





NO.	DATE	REVISION DESCRIPTION	INT.

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**PROJECT NAME:**  
SEWERSHED K  
SEWER EXPANSION

**PROJECT LOCATION:**  
VILLAGE OF SAG HARBOR  
SUFFOLK COUNTY, NY 11963

**TITLE:**  
GARDEN STREET SANITARY FORCE  
MAIN PLAN AND PROFILE (2)

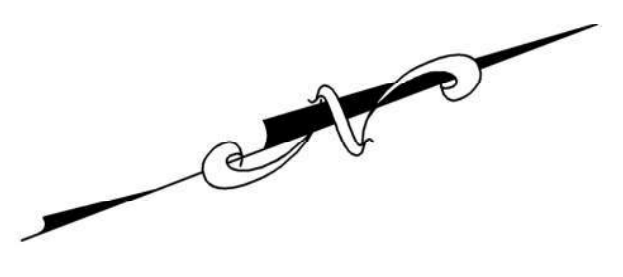
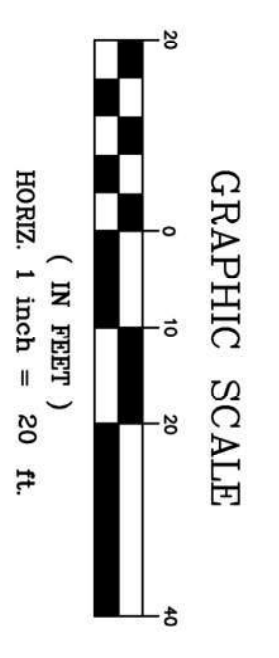
**DISCIPLINE:**  
CIVIL

**PROJECT ENGINEER:**  
MR. A.C. DESIGNED BY: A.C. DRAWN BY: A.C. CHECKED BY: SH.

**PROJECT NO.:** CE2871-008  
**JOB NO.:** CE2871  
**DATE:** APRIL 2022  
**SCALE:** AS SHOWN

**DRAWING NO.:** SS-6  
DRAWING 20 of 32

SEPARATELY BOUND SPECIFICATIONS ARE PART OF THIS CONTRACT







# MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

## GENERAL:

1. THESE ARE GENERAL WORK ZONE TRAFFIC CONTROL NOTES. CERTAIN REQUIREMENTS SHOWN MAY NOT BE APPLICABLE FOR THIS CONTRACT
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK ZONE TRAFFIC CONTROL WORK ZONE TRAFFIC CONTROL SCHEDULES SHALL BE IN ACCORDANCE WITH THESE SHEETS. THE LATEST NATIONAL MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) NEW YORK STATE SUPPLEMENT AND NYS STANDARD SHEETS AS APPROVED OR DIRECTED BY THE ENGINEER, WORK ZONE TRAFFIC CONTROL SCHEDULES SHOWN ON THE PLANS OR IN THE NATIONAL MUTCD, NYS SUPPLEMENT, NYS STANDARD SHEETS AND THESE SHEETS ARE TO BE CONSIDERED MINIMUM REQUIREMENTS. THE ENGINEER MAY ORDER ADDITIONAL WORK ZONE TRAFFIC CONTROL DEVICES SUCH AS SIGNS, CONES, DRUMS, FLAGS, REFLECTORIZATIONS, SHADOW VEHICLES, FLASHING AND STEADY BURN LIGHTS, ETC., IF HE DETERMINE IT NECESSARY AT NO ADDITIONAL COST TO THE OWNER.
3. THE CONTRACTOR IS PLACED ON NOTICE THAT THE MAINTENANCE AND PROTECTION OF TRAFFIC OVER THE ROADWAY DURING CONSTRUCTION IS CONSIDERED AS IMPORTANT AND NECESSARY AN ITEM OF WORK AS IS THE ACTUAL CONSTRUCTION ITSELF. THE CONTRACTOR SHALL AT ALL TIMES CONDUCT HIS OPERATION IN A MANNER TO INSURE THE SAFETY OF NOT ONLY THE MOTORIST BUT ALSO THE PEDESTRIAN AND HIS OWN EMPLOYEES.
4. THE CONTRACTOR MUST SUBMIT TO THE ENGINEER IN WRITING PROPOSED REVISIONS TO THE TEMPORARY TRAFFIC CONTROL PLANS FOR REVIEW AND APPROVAL BY THE OWNER OR DESIGNER. THE (G) WORKING DAYS PRIOR TO THE PLANNED IMPLEMENTATION OF SUCH REVISIONS. REVISIONS TO SUCH TRAFFIC CONTROL PLANS MUST BE SUBMITTED TO THE ENGINEER FOR APPROVAL BY THE OWNER OR DESIGNER THIRTY (30) DAYS PRIOR TO IMPLEMENTATION OF SUCH REVISIONS.
5. VEHICLES OR EQUIPMENT ARE NOT TO BE PARKED WITHIN THE CLEAR ZONE, ALONG THE ROADWAY USED BY THE GENERAL PUBLIC, OR ANY OTHER AREAS DEEMED HAZARDOUS BY THE ENGINEER.
6. VEHICLES BELONGING TO THE CONTRACTOR OR THE CONTRACTOR'S EMPLOYEES SHALL NOT BE PARKED ON THE PAVEMENT OR SHOULDERS ALONG THE ROADWAY WHERE PARKING IS NOT NORMALLY PERMITTED.
7. ANY GUIDE RAIL OR CONSTRUCTION APPLIANCE TEMPORARILY REMOVED TO GAIN ACCESS TO A WORK AREA SHALL BE REPLACED AT THE END OF EACH WORK PERIOD.
8. DURING NON-WORKING HOURS, ALL CONSTRUCTION EQUIPMENT AND MATERIALS SHALL BE STORED OFF OF ALL PAVEMENTS, IN AN AREA WHERE THEY ARE NOT DEEMED A HAZARD TO TRAFFIC AND PEDESTRIANS. STORED CONSTRUCTION EQUIPMENT SHALL NOT OBSTRUCT VEHICULAR AND PEDESTRIAN TRAFFIC OR ACCESS.
9. CONSTRUCTION SHALL BE RESTRICTED TO ONE SIDE OF ANY ROADWAY OR INTERSECTION UNTIL THAT SIDE IS COMPLETED AND OPEN TO ALL VEHICULAR AND PEDESTRIAN TRAFFIC.
10. UNLESS APPROVED BY ENGINEER, THE MINIMUM LANE WIDTHS FOR WORK ZONE TRAVEL LANES SHALL BE AS FOLLOWS: FREEWAYS, EXPRESSWAYS, AND/OR SERVICE ROADS: 11', FOR ALL OTHER TYPES OF ROADS: 10'.

## ACTIVITY AREA:

11. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 500' LONGITUDINAL DISTANCE BETWEEN CONSTRUCTION OPERATIONS ON ALTERNATE SIDES OF THE ROADWAY, UNLESS OTHERWISE APPROVED BY THE ENGINEER.

## LANE CLOSURES:

12. UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, NO LANE CLOSINGS AND LANE SHIFTS WILL BE PERMITTED ON WEEKENDS.
13. ALSO, NO LANE CLOSINGS WILL BE PERMITTED:
  - FROM NOON ON THE FRIDAY BEFORE MEMORIAL DAY THROUGH MEMORIAL DAY;
  - INDEPENDENCE DAY;
  - LABOR DAY;
  - VETERAN'S DAY;
  - THE DAY BEFORE THANKSGIVING DAY THROUGH THE SUNDAY FOLLOWING THANKSGIVING DAY;
  - THE DAY PRECEDING CHRISTMAS DAY;
  - CHRISTMAS DAY;
  - THE DAY PRECEDING NEW YEAR'S DAY;
  - NEW YEAR'S DAY
14. TWO WAY TRAFFIC AND ACCESS TO ALL PRIVATE PROPERTY MUST BE MAINTAINED AT ALL TIMES.
15. IF, IN THE OPINION OF THE OWNER'S REPRESENTATIVE, SHORT TERM LANE CLOSURES ARE NECESSARY TO PERMIT THE CONTRACTOR TO PERFORM WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE OWNER'S REPRESENTATIVE IN WRITING AT LEAST 72 HOURS BEFORE THE ROADWAY IS OPENED TO TRAFFIC.
16. THE OWNER'S REPRESENTATIVE MAY REQUIRE THAT ALL LANES BE RE-OPENED AT ANY TIME IF THE ROUTE IS NEEDED FOR EMERGENCY PURPOSES. THIS COULD INCLUDE INCIDENTS AT LOCATIONS NOT WITHIN THE PROJECT LIMITS.
17. MOVING LANE CLOSURES MAY BE USED WHEN TEMPORARY WORK IS BEING PERFORMED SUCH AS SWEEPING, PAVEMENT MARKINGS, ETC.
18. THE CONTRACTOR SHALL LOCATE LANE CLOSURES TO PROVIDE OPTIMUM VISIBILITY, I.E. BEFORE CURVES AND GRESSES, TO THE EXTENT CONDITIONS PERMIT.

## SIGNING:

18. ANY EXISTING SIGNS WHICH CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL SIGN LAYOUT SHALL BE COVERED, REMOVED, STORED OR RESET. AOB.E. COVERS USED TO COVER PORTIONS OF EXISTING SIGNS SHALL BE OF A COLOR AND REFLECTORIZED MATERIAL MATCHING THAT OF THE SIGN BEING COVERED. ALL SIGNS SHALL BE RELOCATED TO THE NEAREST AVAILABLE LOCATION BY THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING, RELOCATING OR COVERING SIGNS PANELS OR SIGN TEXT AT NO ADDITIONAL COST TO THE OWNER. ALL APPROPRIATE EXISTING SIGNS SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AND/OR LOCATION UNLESS OTHERWISE REPLACED IN THIS CONTRACT.
19. WHEN TWO OR MORE WORK AREAS ARE ADJACENT, OVERLAP, OR ARE IN CLOSE PROXIMITY AS DETERMINED BY THE ENGINEER, THE CONTRACTOR SHALL ENSURE THERE ARE NO CONFLICTING SIGNS AND THAT CONTINUITY IS MAINTAINED THROUGHOUT ALL WORK AREAS.
20. ALL CONSTRUCTION SIGNS SHALL BE MOUNTED ON NCHRP 350 APPROVED TEMPORARY SIGN SUPPORTS UNLESS SHIELDED BY TEMPORARY CONCRETE BARRIER OR GUIDE RAIL AND LOCATED BEYOND THE DETECTION DISTANCES.
21. THE CONTRACTOR SHALL PLACE W8-1 "BUMP" SIGNS, W8-2 "DIP" SIGNS AND/OR W8-8 "ROUGH ROAD" SIGNS WHERE DIRECTED BY THE ENGINEER.
22. SIGNS AT OR NEAR INTERSECTIONS SHALL BE PLACED SO THAT THEY DO NOT OBSTRUCT A MOTORIST'S LINE OF SIGHT.
23. THE LOCATIONS OF THE SIGNS SHOWN ON THE WORK ZONE TRAFFIC CONTROL PLANS AND DETAILS MAY BE ADJUSTED BASED ON SIGHT DISTANCE AND OTHER CONSIDERATIONS. THE FINAL LOCATIONS OF SIGNS ARE SUBJECT TO APPROVAL OF THE ENGINEER.
24. ALL WARNING AND REGULATORY SIGNS SHALL BE POSTED ON BOTH SIDES OF MULTI-LANE DIVIDED HIGHWAYS, MULTI-LANE RAMP, AND ONE-WAY STREETS. IN CASES WHERE LANE RESTRICTIONS REDUCE THE TRAVEL LANE TO ONE LANE, SIGNS SHALL BE POSTED ON THE RIGHT SIDE OF THE ACTIVE TRAVEL LANE, UNLESS OTHERWISE AUTHORIZED BY THE ENGINEER.
25. SIGNS MOUNTED ON THE MEDIUM OF DIVIDED HIGHWAYS WHERE MEDIUM BARRIER IS IN PLACE SHALL BE MOUNTED ON THE BARRIER WITH SHOULDERS THE BARRIER. LAYING THE SIGN DOWN IN A HORIZONTAL POSITION IS NOT PERMITTED.
26. THE DIMENSIONS OF WORK ZONE TRAFFIC CONTROL SIGNS ARE DESCRIBED IN THE MUTCD. ANY CHANGES TO THE DIMENSIONS SHALL BE APPROVED BY THE RESIDENT ENGINEER.
27. NVR9-12 MAY BE USED IN PLACE OF NVR9-11.
28. THE CONTRACTOR SHALL ERECT W20-1 "ROAD WORK AHEAD" SIGN IN ADVANCE OF INTERSECTING CROSS STREETS OR ENTERING RAMP WITHIN THE PROJECT LIMITS. PAYMENT FOR THESE SIGNS SHALL BE MADE UNDER ITEM 019.01 FOR BASIC WORK ZONE TRAFFIC CONTROL.
29. BARRIER /SHADOW VEHICLES:
  - 29.1 BARRIER AND SHADOW VEHICLES SHALL BE REQUIRED AS PER STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES"
  - 29.2 NO WORK ACTIVITY, EQUIPMENT, VEHICLES AND/OR MATERIALS SHALL BE LOCATED BETWEEN THE BARRIER OR SHADOW VEHICLE AND THE ACTIVE WORK AREA (ROLL AHEAD DISTANCE).
30. THE CONTRACTOR MAY BE REQUIRED TO PROVIDE A BARRIER VEHICLE IN CONJUNCTION WITH POLICE PRESENCE IN THE WORK ZONE, TO BE INCLUDED IN THE UNIT BID PRICE FOR BASIC WORK ZONE TRAFFIC CONTROL.
31. UNLESS OTHERWISE PROVIDED IN THE CONTRACT DOCUMENTS, NO LANE CLOSINGS AND LANE SHIFTS WILL BE PERMITTED ON WEEKENDS.
32. ALSO, NO LANE CLOSINGS WILL BE PERMITTED:
  - FROM NOON ON THE FRIDAY BEFORE MEMORIAL DAY THROUGH MEMORIAL DAY;
  - INDEPENDENCE DAY;
  - LABOR DAY;
  - VETERAN'S DAY;
  - THE DAY BEFORE THANKSGIVING DAY THROUGH THE SUNDAY FOLLOWING THANKSGIVING DAY;
  - THE DAY PRECEDING CHRISTMAS DAY;
  - CHRISTMAS DAY;
  - THE DAY PRECEDING NEW YEAR'S DAY;
  - NEW YEAR'S DAY
33. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA. THE MATERIAL SHALL CONSIST OF CROSSED STONE OR ASPHALT CONCRETE, WHICHEVER IS DEEMED MORE APPROPRIATE FOR THE CIRCUMSTANCES. AOB.E. ELASTIC DRUMS OR OTHER APPROVED TRAFFIC CONTROL DEVICES SHALL BE USED TO DELINEATE THE DRIVEWAY AND TO CONTROL ACCESS DURING NON-WORKING HOURS.
34. ACCESS TO ALL PROPERTIES AND CROSS STREETS SHOULD BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
35. PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO RESTRICTING USE OF THE DRIVEWAY. FOR MULTIPLE ACCESS PROPERTIES, AT LEAST ONE DRIVEWAY SHALL BE OPEN AT ALL TIMES. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.

## CHANNELIZING DEVICE:

36. WHEN CONES AND/OR DRUMS ARE USED IN CONTROLLING THE MOVEMENT OF TRAFFIC THROUGH WORK AREAS, THE CONTRACTOR SHALL TAKE STEPS AS NECESSARY TO PREVENT VEHICLES FROM BEING BLOWN OVER OR DISPLACED BY PASSING VEHICLES. THE CONTRACTOR SHALL ACCOMPLISH THIS BY DOUBLING CONES, BY THE USE OF SAND BAG RINGS, OR BY OTHER SUCH MEANS AS MAY BE APPROVED BY THE ENGINEER WHICH SHALL PRESENT NO HAZARD TO MOTORISTS OR TO WORKERS IF CONES AND/OR DRUMS ARE STRUCK. CONES SHALL NOT BE USED FOR NON-WORKING HOUR CLOSURES, NOR AT ANY TIME TO SEPARATE LANES OF TRAFFIC MOVING IN THE SAME DIRECTION.

## ADVANCED SIGNING:

37. WHERE NECESSARY, OR AS REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL UTILIZE FLAGS AT DRIVEWAYS TO CONTROL TRAFFIC ENTERING THE TRAVEL WAY.
  38. DEFORMED OR DAMAGED CHANNELIZING DEVICES THAT DO NOT MAINTAIN APPROPRIATE COLOR AND REFLECTIVITY WILL BE EVALUATED FOR ACCEPTABILITY IN ACCORDANCE WITH THE AMERICAN TRAFFIC SAFETY SERVICES ASSOCIATION (ATSSA) QUALITY GUIDELINES FOR WORK ZONE TRAFFIC CONTROL DEVICES. AS THE CONDITION OF DEVICES DETERIORATES OVER TIME, THOSE THAT FALL BELOW THE MARGINAL CATEGORY SHALL BE REPLACED.
  39. WHERE POSSIBLE ALL CHANNELIZING AND GUIDING DEVICES ARE TO BE PLACED SO AS TO PROVIDE A MINIMUM 2' LATERAL CLEARANCE TO THE TRAVELED WAY.
  40. MAXIMUM SPACING OF TRAFFIC DRUMS SHALL BE 40' OR A.O.B.E.
- ## SNOW/ICE REMOVAL:
41. PROVISION FOR SNOW AND ICE REMOVAL OPERATIONS: IN ORDER TO ALLOW FOR SNOW AND ICE CONTROL BY COUNTY FORCES ON COUNTY HIGHWAYS AND BY LOCAL MUNICIPALITIES ON LOCAL ROADS, THE CONTRACTOR SHALL SCHEDULE HIS WORK IN ACCORDANCE WITH THE FOLLOWING:
    - A. INTERFERENCE WITH SNOW PLOWING OPERATIONS BY DRUMS, BARRICADES, AND OTHER TRAFFIC CONTROL EQUIPMENT SHALL BE KEPT TO A MINIMUM. ANY DEVICES DISTURBED OR DAMAGED BY SNOW AND ICE CONTROL OPERATIONS SHALL BE REPLACED AND/OR RESET AS NECESSARY AND AS SOON AS POSSIBLE BY THE CONTRACTOR.
    - B. DRAINAGE FRAMES, GRATINGS, AND COVERS AND OTHER CASTINGS SHALL NOT BE ADJUSTED IN ANY MANNER UNLESS THE FINAL PAVEMENT SURFACE IS TO BE PLACED PRIOR TO THE ONSET OF SNOW AND ICE WEATHER. STEEL PLATES, ETC. SHALL NOT PROTRUDE ABOVE THE ADJACENT PAVEMENT. IF ANY OF THESE PROTRUSIONS EXIST IN A NON-TRAVEL LANE PRIOR TO A SNOW AND ICE CONDITION, THEN TEMPORARY ASPHALT RAMPS MUST BE PLACED SO THAT FOR EVERY 1 INCH OF RISE, THERE IS A 80 INCH RUN OF RAMP.
    - C. ALL PAVEMENT CUTS SHALL BE RESTORED TO THE ADJACENT PAVEMENT GRADE TO ELIMINATE RECESSED AREAS WHERE SNOW CANNOT BE FLOWED OR WHERE THE FLOWS MAY SWAY.
- ## PEDESTRIANS/BICYCLISTS:
42. THE NEEDS AND CONTROL OF ALL ROAD USERS (MOTORISTS, BICYCLISTS AND PEDESTRIANS) SHALL BE CONSIDERED IN ALL PLANNING AND CONSTRUCTION WITH THE AMERICAN PUBLIC SAFETY ASSOCIATION (ATSSA) QUALITY GUIDELINES FOR WORK ZONE TRAFFIC CONTROL DEVICES. THE MANAGEMENT OF TRAFFIC INCIDENTS.
  43. THE CONTRACTOR SHALL PROVIDE DELINEATE AND MAINTAIN A CLEAR TRAVEL PATH FOR PEDESTRIANS AND BICYCLISTS EITHER THROUGH OR AROUND WORK ZONES FOR THE DURATION OF THIS PROJECT. IN ACCORDANCE WITH THE CONTRACT DOCUMENTS, THE TRAVEL PATH SHALL COMPLY WITH THE PROVISIONS OF THE ADA GUIDELINES. THE CONTRACTOR MAY UTILIZE ANY COMBINATION OF THE FOLLOWING TO PROVIDE THE USABLE TRAVEL PATH: EXISTING SIDEWALKS/SHOULDERS, TEMPORARY SIDEWALKS/SHOULDERS, FINAL SIDEWALKS/SHOULDERS, AND EXISTING OR TEMPORARY SIDEWALK CURB RAMPS. THE CONTRACTOR SHALL PROVIDE DELINEATE AND MAINTAIN A CLEAR TRAVEL PATH FOR PEDESTRIANS TO ENSURE SAFE PEDESTRIAN CROSSING AND ACCESSIBILITY. PEDESTRIAN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.
  44. THE CONTRACTOR SHALL CONDUCT WORK OPERATIONS TO MINIMIZE THE INTERRUPTION OF PEDESTRIAN TRAFFIC. THE TEMPORARY STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS SHALL NOT BE PERMITTED ON ANY USABLE TRAVEL PATH THAT IS OPEN TO PEDESTRIAN TRAFFIC.
  45. THE CONTRACTOR IS NOTIFIED THAT LANE CLOSURES AND LANE SHIFTS WILL ONLY BE PERMITTED BETWEEN THE FOLLOWING HOURS:
    - \*FROM 9:00 AM TO 6:00 PM WITHIN THE VILLAGE OF SAG HARBOR\*

THESE TIMES MAY BE REDUCED BY THE ENGINEER AT ANY LOCATION, AT ANY TIME DUE TO TRAFFIC AND SAFETY CONDITIONS
  46. THE CONTRACTOR WILL NOT BE PERMITTED TO UTILIZE NIGHTTIME PAVING, LANE CLOSURES, OR LANE SHIFTS, UNLESS PRIOR WRITTEN APPROVAL IS OBTAINED.

## NOTIFICATION/COORDINATION:

47. THE CONTRACTOR MUST NOTIFY THE ENGINEER, THE SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS, THE SUFFOLK COUNTY POLICE DEPARTMENT, THE VILLAGE OF SAG HARBOR AND TOWNS OF EAST HAMPTON AND SOUTHAMPTON HIGHWAY DEPARTMENTS, AREA FIRE DEPARTMENTS, AND EMERGENCY SERVICES OF ALL DETOURS, PROPOSED STREET CLOSINGS, OR ANY WORK THAT MIGHT AFFECT THE MOBILITY OR ACCESS OF THE FIRE OR POLICE DEPARTMENT 22 HOURS IN ADVANCE OF THEIR IMPLEMENTATION. IN ADDITION, THE CONTRACTOR SHALL ENSURE THAT HYDRANTS AND ALARM BOXES ARE KEPT CLEAR AND AVAILABLE.

## TAPER LENGTH AND SIGN SPACING:

48. THE CONTRACTOR SHALL SUPPLY AND OPERATE TWO (2) VMS APPROACHING THE PROJECT LIMITS (ONE IN EACH DIRECTION), AND SHALL BE OPERATIONAL TWO (2) WEEKS PRIOR TO THE START OF CONSTRUCTION THROUGHOUT THE COURSE OF THE PROJECT, A.O.B.E. AND TWO (2) WEEKS PRIOR TO MILLING AND PAVING OPERATIONS.
49. IN ADDITION TO THE SIGNING SHOWN ON THE PLANS, THE CONTRACTOR SHALL ERECT W20-1, "ROAD WORK 1/2 MILE" AND "ROAD WORK 1500 FT." SIGNS IN ADVANCE OF THE LIMITS OF THE PROJECT AND IN ADVANCE OF ANY MAJOR INTERSECTING CROSS STREETS OR ENTERING RAMP WITHIN THE CONTRACT LIMITS. A.O.B.E. THE CONTRACTOR SHALL ALSO ERECT NVR9-11 "LICENSE SUSPENDED" IN ADVANCE OF THE PROJECT LIMITS AND AT APPROPRIATE DISTANCES WITHIN THE PROJECT LIMITS AND G20-20, "END ROAD WORK" SIGNS AT THE CONTRACT LIMITS OF THE PROJECT.

## WORK ZONE SPEED LIMIT:

50. THE CONTRACTOR'S ATTENTION IS DIRECTED TO NYS STANDARD SHEET 619-11 TO CALCULATE TAPER LENGTHS AND SIGN SPACING. FOR REFERENCE AND PURPOSES OF USING THESE TABLES, USE THE PRECONSTRUCTION 85TH PERCENTILE SPEED, NOT THE PRECONSTRUCTION SPEED LIMIT AS SHOWN ON TABLES 6H-4, 6C-2, NVEH-3, NY1-B, N2-B AND 619-4.
51. IF A SPEED REDUCTION IS REQUIRED, A W3-5 "WORK ZONE SPEED LIMIT AHEAD" SIGN SHALL BE PLACED IN ADVANCE OF THE WORK ZONE. G20-50P "WORK ZONE" AND R2-1 "SPEED LIMIT XX" SIGNS SHALL BE PLACED AT THE BEGINNING OF THE WORK ZONE AND THROUGHOUT WORK ZONE AT DISTANCES IN ACCORDANCE WITH SECTION 28.13 OF THE NYS SUPPLEMENTAL TO THE MUTCD.
52. IF A SPEED REDUCTION IS NOT REQUIRED, ADDITIONAL R2-1 "SPEED LIMIT SIGNS" WITH G20-50P "WORK ZONE" MAY BE INSTALLED WITHIN THE WORK ZONE DISPLAYING THE PRECONSTRUCTION SPEED LIMIT, A.O.B.E.

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**SEWERSHED K  
SEWER EXPANSION**

PROJECT LOCATION:  
**VILLAGE OF SAG HARBOR  
SUFFOLK COUNTY, NY 11963**

TITLE:  
**MAINTENANCE & PROTECTION OF  
TRAFFIC NOTES (1)**

DESIGNED BY:  
MR

CHECKED BY:  
AC

DATE:  
APRIL 2022

SCALE:  
AS SHOWN

SEPARATELY BOUND SPECIFICATIONS ARE PART OF THIS CONTRACT

**MAINTENANCE AND PROTECTION OF TRAFFIC NOTES (CONT'D.):**

**ARROW PANELS:**

54. IN ADDITION TO THE SIGNING REQUIRED IN THE M.U.T.C.D. AND N.Y.S. SUPPLEMENT, THE CONTRACTOR SHALL USE A FLASHING ARROW BOARD POSITIONED AT THE BEGINNING OF THE TAPER FOR ALL TRAVEL LANE CLOSINGS. ONE FLASHING ARROW BOARD WILL BE REQUIRED IN CONNECTION WITH THE LANE CLOSURES SHOWN IN THE NATIONAL M.U.T.C.D., FIGURES 6H-22 TO 6H-25 WHICHEVER IS APPLICABLE. THE FLASHING ARROW BOARD WILL NOT BE REQUIRED IN CONNECTION WITH SHOULDER CLOSINGS OR SIDE STREET LANE CLOSURES UNLESS THE ENGINEER ORDERS ITS USE.

55. ARROW BOARDS SHALL NOT BE USED FOR LANE SHIFTS. A LANE SHIFT IS DEFINED AS A LATERAL SHIFT IN THE TRAVEL PATH WITHOUT A REDUCTION IN NUMBER OF LANES.

56. THE LAMPS OF FLASHING ARROW BOARDS ARE REQUIRED TO BE EQUIPPED WITH AN AUTOMATIC SOLAR CELL CONTROLLED DIMMING SWITCH AND THAT THE DIMMING VOLTAGE BE MANUALLY CONTROLLABLE. AT NIGHT, FLASHING ARROW BOARDS MUST NOT BE PERMITTED TO OPERATE AT SUCH BRIGHTNESS THAT SIGNS, DRUMS, IMPACT ATTENUATION DEVICES OR OTHER TRAFFIC CONTROL DEVICES NEAR THE FLASHING ARROW BOARD CANNOT EASILY BE SEEN BY APPROACHING MOTORISTS. TO INSURE THAT FLASHING ARROW BOARDS ARE NOT TOO BRIGHT FOR NIGHTTIME OPERATION, THE CONTRACTOR SHALL MAKE AN ON SITE INSPECTION OF EACH ARROW BOARD AT THE BEGINNING OF ITS FIRST NIGHT OF OPERATION. IN THE EVENT THIS INSPECTION REVEALS THE ARROW BOARD IS TOO BRIGHT, THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO REDUCE LAMP INTENSITIES. IN ADDITION, THE CONTRACTOR SHALL PROMPTLY REDUCE THE LAMP INTENSITY OF ANY ARROW BOARD UPON BEING INFORMED, BY THE ENGINEER, THAT IT IS TOO BRIGHT. IN THIS CONTEXT PROMPTLY SHALL MEAN NO LATER THAN THE BEGINNING OF THE NEXT NIGHT OF THE ARROW BOARD'S OPERATION.

**SHADOW/BARRIER VEHICLES:**

57. WHENEVER THE WORK REQUIRES THE USE OF SHADOW VEHICLES, THE CONTRACTOR SHALL POSITION THE VEHICLE CLOSE ENOUGH TO WORKERS TO INSURE MAXIMUM PROTECTION. THE CONTRACTOR SHALL MOVE SHADOW VEHICLES AS THE ACTUAL WORK LOCATION WITHIN THE WORK ZONE CHANGES. IN NO CASE SHALL THE SHADOW VEHICLES BE PARKED CLOSER THAN 180 FEET FOR A STATIONARY OPERATION, NOR CLOSER THAN 230 FEET FOR A MOVING OPERATION, FROM THE BEGINNING OF THE WORK AREA, MORE THAN ONE SHADOW VEHICLE SHALL BE USED IF WORKERS ARE WORKING AT WORK LOCATIONS SUFFICIENTLY SEPARATED TO REQUIRE SEPARATE VEHICLES.

58. IN ADDITION TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS, AND UNLESS OTHERWISE APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL PROVIDE BARRIER VEHICLES FOR ALL ACTIVE WORK AREAS OCCUPYING ANY TRAVEL LANE OR SHOULDER CLOSED TO TRAFFIC WITH CONES, DRUMS OR OTHER CHANNELIZING DEVICES. SEPARATE BARRIER VEHICLES SHALL BE PROVIDED FOR EACH CLOSED LANE AND EACH SHOULDER 8 FEET OR GREATER IN WIDTH, EXCEPTIONS TO THIS REQUIREMENT MAY BE MADE WHERE, AS DETERMINED BY THE EIC, THE BARRIER VEHICLE PLACEMENT WOULD BE INEFFECTIVE OR WOULD INTERFERE WITH THE SAFE OPERATION OF TRAFFIC.

59. BARRIER VEHICLES SHALL BE USED AT ANY TIME THE MINIMUM BUFFER SPACE SHOWN IN THE TYPICAL DETAILS CANNOT BE ACHIEVED.

**SIDEWALKS/DRIVEWAYS:**

60. THE CONTRACTOR SHALL SCHEDULE HIS OPERATIONS TO MINIMIZE THE INTERRUPTION OF PEDESTRIAN TRAFFIC. THE SIDEWALK ON ONE SIDE OF THE ROADWAY SHALL REMAIN OPEN AND PASSABLE AT ALL TIMES. DURING THE RECONSTRUCTION OF SIDEWALKS, PEDESTRIAN SAFETY AND PROPERTY ACCESS MUST BE MAINTAINED AT ALL TIMES TO THE SATISFACTION OF THE ENGINEER. THE CONTRACTOR SHALL PLACE ALL UNDERGROUND APPURTENANCES UNDER THE SIDEWALK FIRST.

61. AT LOCATIONS WHERE EXISTING SIDEWALK IS CLOSED, THE CONTRACTOR SHALL PLACE A TYPE III BARRICADE WITH NATIONAL M.U.T.C.D. R9-9 "SIDEWALK CLOSED" SIGN.

62. ACCESS TO RESIDENTIAL AND COMMERCIAL DRIVEWAYS SHALL BE MAINTAINED AT ALL TIMES, UNLESS OTHER AGREEMENTS, SUITABLE TO THE OWNERS, CAN BE MADE. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS WHOSE DRIVEWAYS WILL BE MADE INACCESSIBLE AT LEAST 24 HOURS PRIOR TO RESTRICTING USE OF THE DRIVE. THE CONTRACTOR SHALL MAINTAIN ACCESS TO COMMERCIAL DRIVEWAYS AT ALL TIMES WHEN A FACILITY IS IN USE. FOR MULTIPLE ACCESS PROPERTIES, ONLY ONE DRIVEWAY MAY BE CLOSED AT ONE TIME. ACCESS SHALL BE RESTORED TO ALL DRIVEWAYS AS SOON AS POSSIBLE.

63. SUITABLE RAMPS SHALL BE INSTALLED TO MAINTAIN SMOOTH TRANSITIONS FROM RESIDENTIAL AND COMMERCIAL DRIVEWAYS TO AND FROM THE WORK AREA. THE MATERIAL SHALL CONSIST OF CRUSHED STONE OR ASPHALT CONCRETE, WHICHEVER IS DEEMED MORE APPROPRIATE FOR THE CIRCUMSTANCES. AOB, PLASTIC DRUMS OR OTHER APPROVED TRAFFIC CONTROL DEVICES SHALL BE USED TO DELINEATE THE DRIVEWAY AND TO CONTROL ACCESS DURING NON-WORKING HOURS.

64. ACCESS TO ALL PROPERTIES AND CROSS STREETS SHALL BE MAINTAINED DURING CONSTRUCTION.

**VARIABLE MESSAGE SIGNS:**

65. TWO PORTABLE VARIABLE MESSAGE SIGNS (VMS) WILL BE LOCATED A.O.B.E. APPROACHING THE WORK AREA. THE SIGNS WILL BE IN PLACE AND OPERATING AT LEAST TWO WEEKS PRIOR TO BEGINNING ROAD WORK. THE MESSAGE AND LOCATION SHALL BE CHANGED A.O.B.E. THE MESSAGE TO BE APPROVED BY SCOPW PRIOR TO OPERATION.

66. PROVIDE ADVANCED COMMUNICATIONS WITH ALL STAKEHOLDERS; INCLUDING BUT NOT LIMITED TO ROAD USERS, LOCAL RESIDENTS, BUSINESS OWNERS, CIVIC ASSOCIATIONS, AREA FIRE DEPARTMENTS, S.C. POLICE DEPARTMENT, AREA EMERGENCY SERVICES, AND TOWN AND VILLAGE HIGHWAY DEPARTMENTS REGARDING CONSTRUCTION ACTIVITIES AND SCHEDULE.

**TRENCH AREAS:**

67. ALL DRAINAGE WORK SHALL BE COMPLETED, THE TRENCH BACKFILLED AND ASPHALT BINDER BROUGHT TO EXISTING GRADE BEFORE MOVING THE OPERATION UP OR ACROSS THE ROAD AND ONTO THE NEXT STAGE.

68. STEEL PLATING SHALL BE PROVIDED OVER ANY TRENCH, AREAS OF TRANSITION, OR TEMPORARY EXCAVATIONS WHICH CAN NOT BE SATISFACTORILY BACKFILLED BEFORE THE END OF THE WORK DAY.

69. ALL PIPE TRENCHES MUST BE BACKFILLED AND COMPACTED TO THE SATISFACTION OF THE ENGINEER AND TEMPORARY PAYMENT SHALL BE PROVIDED, AS SPECIFIED AND, PRIOR TO THE LANE BEING OPENED TO VEHICULAR AND PEDESTRIAN TRAFFIC. OPEN EXCAVATIONS WILL NOT BE PERMITTED UNLESS SPECIFICALLY APPROVED IN WRITING BY THE ENGINEER. THE CONTRACTOR SHALL REQUEST IN WRITING AND SUBMIT SPECIFIC METHODS OF PROTECTION AND MAINTENANCE OF SAID EXCAVATIONS FOR REVIEW AND APPROVAL. MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE INCLUDED IN THE BID PRICE.

**PEDESTRIANS/BICYCLISTS:**

70. THE NEEDS AND CONTROL OF ALL ROAD USERS (MOTORISTS, BICYCLISTS AND PEDESTRIANS WITHIN THE HIGHWAY INCLUDING PERSONS WITH DISABILITIES) IN ACCORDANCE WITH THE AMERICAN WITH DISABILITIES ACT OF 1990 (ADA) TITLE II THROUGH A WORK ZONE SHALL BE AN ESSENTIAL PART OF THE ROADWAY CONSTRUCTION, UTILITY WORK, MAINTENANCE, AND THE MANAGEMENT OF TRAFFIC INCIDENTS.

71. THE CONTRACTOR SHALL PROVIDE, DELINEATE AND MAINTAIN A CLEAR TRAVEL PATH FOR PEDESTRIANS AND BICYCLISTS EITHER THROUGH OR AROUND WORK ZONES FOR THE DURATION OF THIS PROJECT, IN ACCORDANCE WITH THE CONTRACT. THE TRAVEL PATH SHALL COMPLY WITH THE PROVISIONS OF THE ADA GUIDELINES. THE CONTRACTOR MAY UTILIZE ANY COMBINATION OF THE FOLLOWING TO PROVIDE THE USABLE TRAVEL PATH: EXISTING SIDEWALKS/SHOULDERS; TEMPORARY SIDEWALKS/SHOULDERS; FINAL SIDEWALKS/SHOULDERS; AND EXISTING OR TEMPORARY SIDEWALK CURB RAMPS. THE USABLE TRAVEL PATH SHALL BE CLEARLY MARKED AND STAGED BETWEEN INTERSECTING ROADS TO ENSURE SAFE PEDESTRIAN CROSSING AND ACCESSIBILITY. PEDESTRIAN ACCESS TO RESIDENTIAL AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED FOR THE DURATION OF CONSTRUCTION.

72. THE CONTRACTOR SHALL CONDUCT WORK OPERATIONS TO MINIMIZE THE INTERRUPTION OF PEDESTRIAN TRAFFIC. THE TEMPORARY STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS SHALL NOT BE PERMITTED ON ANY USABLE TRAVEL PATH THAT IS OPEN TO PEDESTRIAN TRAFFIC.

**SIGNAL WORK:**

73. THE SIGNAL CAN NOT BE IN FIXED TIMING FOR MORE THEN 10 CALENDAR DAY UNDER ANY CIRCUMSTANCES. THE CONTRACTOR SHALL EMPLOY VIDEO DETECTION, TEMPORARY LOOPS OR ANOTHER METHOD AS APPROVED BY THE ENGINEER. NO MICROWAVE OR SONIC DETECTORS WILL BE APPROVED.

74. THE CONTRACTOR SHALL PROVIDE ENOUGH SLACK ON THE PROPOSED SPANS TO ACCOMMODATE THE RELOCATION OF THE SIGNAL HEADS A.O.B.E DURING EACH PHASE OF CONSTRUCTION. THE CONTRACTOR MAY UTILIZE THE EXISTING SIGNAL SECTIONS AS NEEDED A.O.B.E TO PROVIDE THE REQUIRED DISPLAYS AT THE PROPOSED SIGNAL DURING EACH PHASE. SPLICES WILL NOT BE PERMITTED ON THE FINAL INSTALLATIONS.

75. THE CONTRACTOR SHALL ENSURE THE SIGNAL PROVIDES ADEQUATE PEDESTRIAN TIMINGS AS PER SECTION 4E.10 OF THE NATIONAL MUTCO AND NYS SUPPLEMENT AND AS ORDERED BY THE ENGINEER.

NO.	DATE	REVISION DESCRIPTION	INT.

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PROJECT NAME: SEWERSHED K SEWER EXPANSION  
 PROJECT LOCATION: VILLAGE OF SAG HARBOR SUFFOLK COUNTY, NY 11963

TITLE: MAINTENANCE & PROTECTION OF TRAFFIC NOTES (2)  
 RESPONSE: CIVIL

PRODUCT ENGINEER: MR. AC  
 DESIGNED BY: AC  
 DRAWN BY: AC  
 CHECKED BY: SH

PRODUCT NO.: CE2871-008  
 JOB NO.: CE2871  
 DATE: APRIL 2022  
 SCALE: AS SHOWN

DRAWING NO.: MPT-2  
 24 of 32

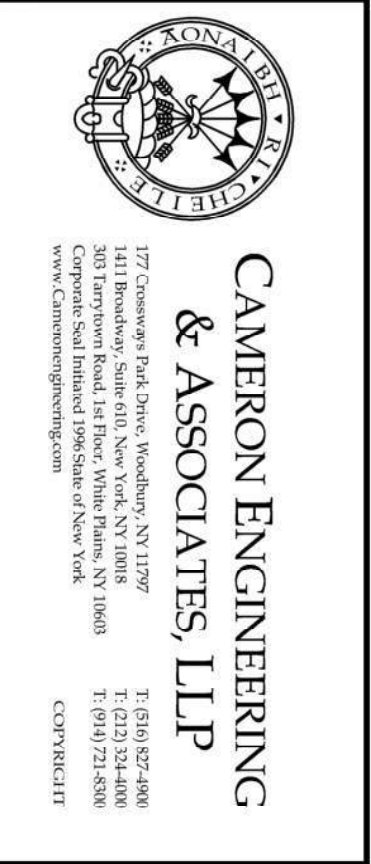
SEPARATELY BOUND SPECIFICATIONS ARE PART OF THIS CONTRACT



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**PROJECT NAME:**  
 SEWERSHED K  
 SEWER EXPANSION  
 PROJECT LOCATION:  
 VILLAGE OF SAG HARBOR  
 SUFFOLK COUNTY, NY 11963

**TITLE:**  
 MAINTENANCE & PROTECTION OF  
 TRAFFIC SHOULDER CLOSURE  
**DISCIPLINE:**  
 CIVIL

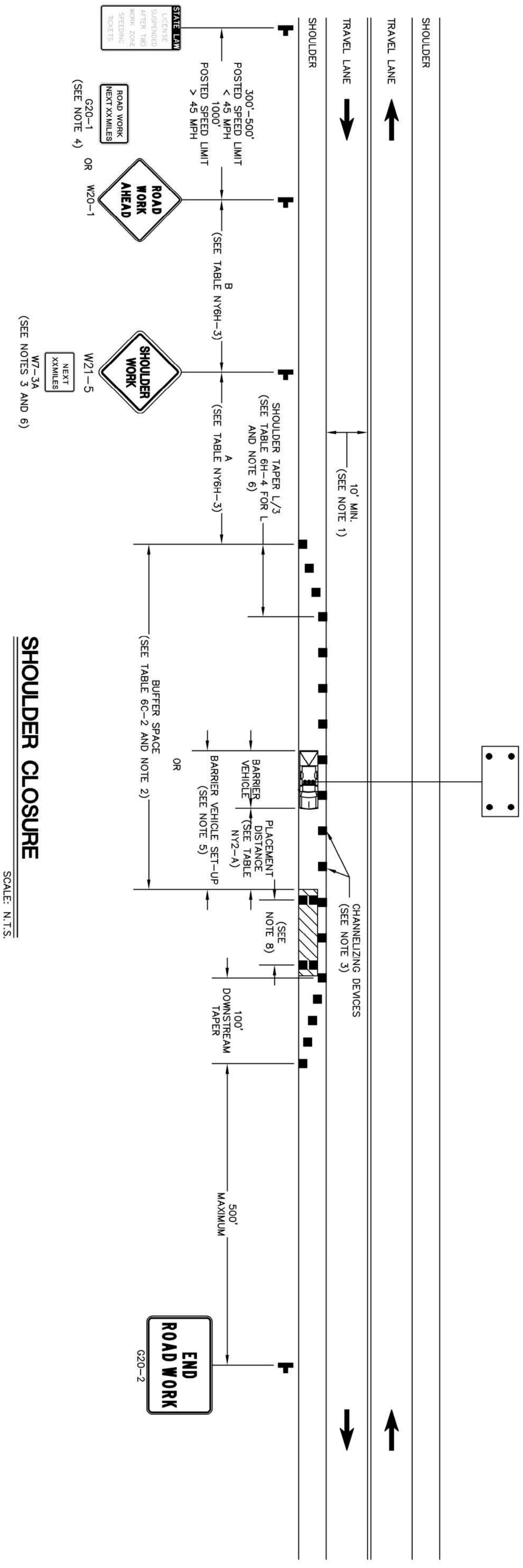
**PROJECT ENGINEER:**  
 MR. A.C. DESIGNED BY:  
 A.C. DRAWN BY:  
 A.C. CHECKED BY:  
 S.H.

**PROJECT NO.:**  
 CE2871-008  
**JOB NO.:**  
 CE2871  
**DATE:**  
 APRIL 2022  
**SCALE:**  
 AS SHOWN

**DRAWING NO.:**  
 MPT-4  
 DRAWING  
 26 OF 32

SEPARATELY BOUND SPECIFICATIONS ARE PART OF THIS CONTRACT

- NOTES:**
1. WHEN THE MINIMUM LANE WIDTH OF 10' CANNOT BE MAINTAINED DUE TO A SHOULDER CLOSURE, USE THE DETAIL FOR SHORT OR INTERMEDIATE TERM STATIONARY FLAGGING OPERATION.
  2. NO WORK ACTIVITY OR STORAGE OF EQUIPMENT, VEHICLES, OR MATERIAL SHOULD OCCUR WITHIN A BUFFER SPACE.
  3. WHEN THE DISTANCE BETWEEN THE ADVANCE WARNING SIGNS AND WORK IS 2 MILES TO 5 MILES, SUPPLEMENTAL DISTANCE PLAQUE (W7-36) SHOULD BE USED WITH THE SHOULDER WORK SIGN (W21-5).
  4. THE ROAD WORK NEXT XX MILES SIGN (G20-1) MAY BE USED INSTEAD OF THE ROAD WORK AHEAD SIGN (W20-1) IF WORK LOCATIONS OCCUR OVER A DISTANCE OF MORE THAN 2 MILES.
  5. FOR BARRIER VEHICLE USE REQUIREMENTS SEE TABLES N11-A AND N12-A ON THE STANDARD SHEET TITLED "WORK ZONE TRAFFIC CONTROL LEGENDS AND NOTES".
  6. IN THOSE SITUATIONS WHERE MULTIPLE WORK LOCATIONS EXIST WITHIN A LIMITED DISTANCE MAKE IT PRACTICAL TO PLACE STATIONARY SIGNS, THE DISTANCE BETWEEN THE ADVANCE WARNING SIGN AND WORK SHALL NOT EXCEED 5 MILES.
  7. CHANNELIZING DEVICE SPACING (CENTER TO CENTER) SHALL NOT EXCEED 40' IN THE ACTIVE WORK SPACE.
  8. TRANSVERSE DEVICES SHALL BE REQUIRED (AS PER 919 STANDARD SPECIFICATIONS) WHEN A PAVED SHOULDER HAVING A WIDTH OF 8' OR GREATER IS CLOSED FOR A DISTANCE GREATER THAN 1500'.



**SHOULDER CLOSURE**  
 SCALE: N.T.S.











