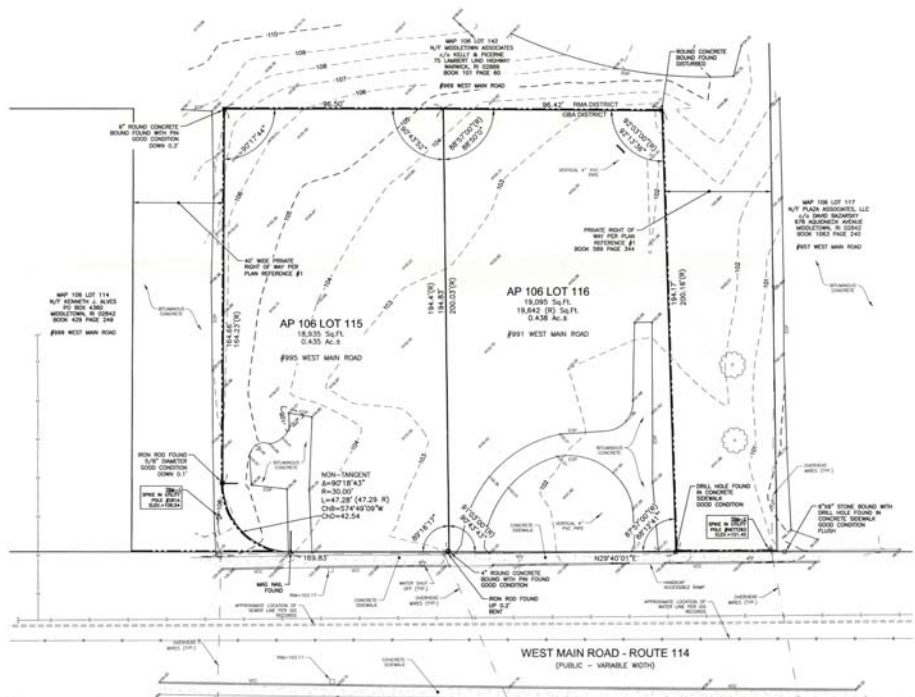




GPI
Geomatics & Planning, Inc.
2005 Highland Parkway Suite 200
Dorchester, MA 01938

PREPARED FOR:
OR DEVELOPMENT, LLC
c/o SEVEN SOLUTIONS
3035 HIGHLAND PARKWAY SUITE 200
DORCHESTER, MA 01938

**ASSESSORS PLAT 106 LOTS 115 & 116
991 & 995 WEST MAIN ROAD (ROUTE 114)
MIDDLETOWN, RHODE ISLAND**



- NOTES:**
- 1) ZONE: GENERAL BUSINESS A DISTRICT - GB (TRAFFIC SENSITIVE DISTRICT)
MIN. LOT SIZE: 12,000 Sq.Ft.
MIN. LOT FRONTAGE: 100 Ft. (300 Ft.)
SETBACKS:
FRONT: 10 Ft.
SIDE: 10 Ft.
REAR: 20 Ft.
REFER TO THE TOWN OF MIDDLETOWN ZONING ORDINANCE FOR VERIFICATION, ADDITIONAL RESTRICTIONS AND PERMITTED USES. THE ZONING INFORMATION SHOWN HEREON IS BASED ON A REVIEW OF THE MIDDLETOWN ZONING ORDINANCE.
 - 2) THIS PLAN IS THE RESULT OF AN ON-THE-GROUND FIELD SURVEY PERFORMED BY THIS OFFICE BETWEEN JANUARY 23 AND MARCH 2, 2022.
 - 3) BEARINGS SHOWN HEREON ARE BASED ON NAD83 RHODE ISLAND STATE PLANE COORDINATE SYSTEM PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON JANUARY 25, 2022.
 - 4) ELEVATIONS SHOWN HEREON ARE BASED ON NAVD83 PER GPS OBSERVATIONS PERFORMED BY THIS OFFICE ON JANUARY 25, 2022.
 - 5) LOCATION OF UNDERGROUND UTILITIES IS APPROXIMATE ONLY. ADDITIONAL UNDERGROUND UTILITIES OTHER THAN THOSE SHOWN MAY BE ENCOUNTERED. INVERTS ARE LISTED IN A CLOCKWISE DIRECTION ENDING WITH THE INVERT OUT (UNLESS OTHERWISE NOTED).
 - 6) THE SURVEY TRACT IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA (100 YEAR FLOOD) PER FLOOD INSURANCE RATE MAP NUMBER 440500000A, WITH AN EFFECTIVE DATE OF SEPTEMBER 04, 2013.
 - 7) THIS PLAN IS TO BE FILED WITH THE MIDDLETOWN LAND EVIDENCE RECORDS.

CERTIFICATION:
THIS SURVEY HAS BEEN CONDUCTED AND THE PLAN HAS BEEN PREPARED PURSUANT TO R.I.S.R.C. 00-00-1.8 OF THE RULES AND REGULATIONS ADOPTED BY THE RHODE ISLAND STATE BOARD OF REGISTRATION FOR PROFESSIONAL LAND SURVEYORS ON NOVEMBER 25, 2015 AS FOLLOWS:

TITLE OF BOUNDARY SURVEY: COMPREHENSIVE BOUNDARY SURVEY
CLASS: B
DATA ACCUMULATION SURVEY: CLASS 1-2
TECHNOLOGICAL SURVEY ACCURACY: CLASS 1-2

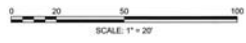


By: *Jeffrey P. Campbell*
PROFESSIONAL LAND SURVEYOR

OWNER OF RECORD:
ASSESSORS PLAT 106 LOTS 115 & 116
EAST STRATEGY LLC
640 MAIN STREET
WESTBURY, NY 11596
BOOK 1861 PAGE 0113

- LEGEND**
- VERTICAL CONCRETE CURB
 - GRASS LINE
 - WATER LINE
 - CONTOUR ELEVATION
 - TREE
 - UTILITY POLE
 - GUY WIRE
 - DETERMINED WIRE
 - IRON
 - SPOT ELEVATION
 - DRAIN MANHOLE
 - CATCH BASIN
 - WATER SAULT OFF
 - PROPERTY LINE
 - ADJACENT PROPERTY LINE
 - ZONING DISTRICT LINE

- PLAN REFERENCES:**
TOWN OF MIDDLETOWN LAND EVIDENCE RECORDS
- 1) ULTRASONIC MR CAR WASH AND GAS STATION, PREPARED BY NORTHWEST ENGINEERS AND CONSULTANTS, INC., SCALE: 1"=30', DATED: JUNE 13, 2018
 - 2) 1954 PLAT PREPARED BY GARDNER C. EASTON RECORDED AS PART OF BOOK 589 PAGE 344.
 - 3) PLAT SHOWING LAND IN MIDDLETOWN TAKEN IN FEE SIMPLE ON BEHALF OF THE STATE OF RHODE ISLAND & PROVIDENCE PLANNING BY THE DIRECTOR OF PUBLIC WORKS, HIGHWAY PLAT NO. 952, DATED MARCH 13, 1958.



REVISIONS

NO.	REVISION	DATE
1	MISC. REVISIONS	8/2/22
2		
3		
4		
5		
6		
7		
8		
9		
10		

MARCH 21, 2022
DRAWN/DESIGN BY: CSS/AAK CHECKED BY: JPB

EXISTING CONDITIONS PLAN

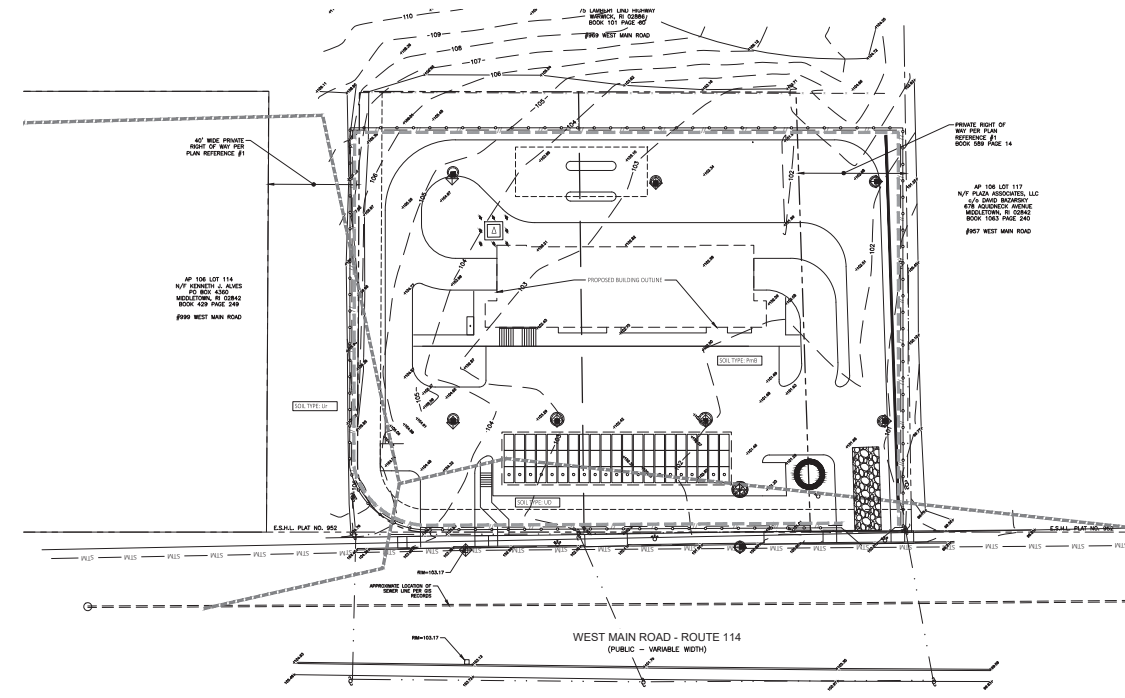
SCALE:	1"=20'
PROJECT NO.:	NEX-220003
PAGE:	1 OF 1

SOIL EROSION AND SEDIMENTATION CONTROL AND MAINTENANCE NOTES:

- SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE SECURED AND POSTED ON-SITE PRIOR TO ANY EARTH CHANGES.
- ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL CONFORM TO THE STANDARDS AND PRESCRIPTIONS OF THE JURISDICTIONAL AUTHORITY.
- EROSION AND SEDIMENTATION CONTROL MEASURES ON THIS SITE SHALL BE CONFINED TO THE SITE AND NO MEASURES SHALL BE INSTALLED ON ADJACENT PROPERTIES. MEASURES SHALL INCLUDE BUT NOT BE LIMITED TO: SLOPE PROTECTION, STORM DRAINAGE, LAKES AND POND.
- THE GENERAL CONTRACTOR SHALL STAGE ALL SOIL EROSION AND SEDIMENTATION CONTROL MEASURES AS DIRECTED BY THE DRAWINGS AND THESE GENERAL NOTES AND AS SPECIFIED NECESSARY OR APPROPRIATE TO SECURE PROGRESSIVE STABILIZATION OF EXPOSED EARTH.
- THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLATION AND MAINTENANCE OF THE DEVICES.
- THE GENERAL CONTRACTOR SHALL MAINTAIN AND MAINTAIN THE DEVICES AS SHOWN IN THE DRAWINGS AND THESE GENERAL NOTES. THE CONSTRUCTION OF THE DEVICES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND PRESCRIPTIONS OF THE JURISDICTIONAL AUTHORITY.
- IF ANY OF THE DEVICES MEASURES ON THIS SITE ARE REQUIRED AND/OR IN EFFECTIVE, THE JURISDICTIONAL AUTHORITY HAS THE RIGHT TO REQUIRE ADDITIONAL DEVICES AT THE EXPENSE OF THE GENERAL CONTRACTOR.
- THE GENERAL CONTRACTOR SHALL INSPECT THE DEVICES ONCE A WEEK UNDER ANY CIRCUMSTANCES, WITHIN THE PERIOD OF CONSTRUCTION. ANY DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY. A LOG OF INSPECTION REPORTS SHALL BE MAINTAINED AND ACCESSIBLE IN ACCORDANCE WITH NATIONAL POLLUTION CONTROL ACT (NPDES) REQUIREMENTS. ANY REQUIRED MAINTENANCE SHALL BE PROVIDED PROMPTLY.

- INSTALL Silt Fence as indicated in the drawings and project manual. For attached details, and at additional, selected areas as necessary.
- Silt fence shall be constructed in accordance with the standards and specifications of the jurisdictional authority. Silt fence shall be installed in accordance with the standards and specifications of the jurisdictional authority.
- INSTALL Silt Fences on all pavement catch basins, for details, see 03-050 the area activated by the silt fence and the silt fence shall be installed in accordance with the standards and specifications of the jurisdictional authority.
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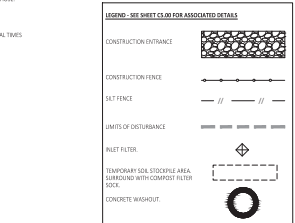
- EXISTING DRAINAGE OUTLET FOR SITE OVERLAND FLOW TO WEST MAIN ROAD ROW STORM WATER MANAGEMENT SYSTEM.
- PROPOSED DRAINAGE OUTLET FOR SITE, CAPTURE, TREAT, DETAIN, AND OUTLET AT A CONTROLLED RATE TO WEST MAIN ROAD ROW STORM WATER MANAGEMENT SYSTEM.
- TOTAL AREA OF OUSTURANCE 0.58 AC.
- SOIL PROTECT FIBER FITTING SHALL BE INSTALLED ON ALL EXPOSED SLOPES (0.15% SLOPES) TO PREVENT EROSION AND SEDIMENTATION.
- STREET AND/OR PARKING AREAS WILL BE SECURED AND SWEEP ON A DAILY BASIS BY THE GENERAL CONTRACTOR.
- ALL EXPOSED AREAS SHALL BE MAINTAINED FOR SILENT CONTROL. OPERATIONS SHALL BE LIMITED TO 8:00 AM TO 5:00 PM, 7 DAYS A WEEK, EXCEPT FOR EMERGENCY REPAIRS. ALL EXPOSED AREAS SHALL BE MAINTAINED FOR SILENT CONTROL. OPERATIONS SHALL BE LIMITED TO 8:00 AM TO 5:00 PM, 7 DAYS A WEEK, EXCEPT FOR EMERGENCY REPAIRS.
- PERMANENT SILENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD. PERMANENT SILENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
- THE GENERAL CONTRACTOR SHALL MAINTAIN AND MAINTAIN THE DEVICES AS SHOWN IN THE DRAWINGS AND THESE GENERAL NOTES. THE CONSTRUCTION OF THE DEVICES SHALL BE IN ACCORDANCE WITH THE STANDARDS AND PRESCRIPTIONS OF THE JURISDICTIONAL AUTHORITY.
- IF ANY OF THE DEVICES MEASURES ON THIS SITE ARE REQUIRED AND/OR IN EFFECTIVE, THE JURISDICTIONAL AUTHORITY HAS THE RIGHT TO REQUIRE ADDITIONAL DEVICES AT THE EXPENSE OF THE GENERAL CONTRACTOR.
- THE GENERAL CONTRACTOR SHALL INSPECT THE DEVICES ONCE A WEEK UNDER ANY CIRCUMSTANCES, WITHIN THE PERIOD OF CONSTRUCTION. ANY DEFICIENCIES SHALL BE CORRECTED IMMEDIATELY. A LOG OF INSPECTION REPORTS SHALL BE MAINTAINED AND ACCESSIBLE IN ACCORDANCE WITH NATIONAL POLLUTION CONTROL ACT (NPDES) REQUIREMENTS. ANY REQUIRED MAINTENANCE SHALL BE PROVIDED PROMPTLY.



SOIL EROSION AND SEDIMENTATION CONTROL SITE PLAN
SCALE: 1" = 20'-0"

CONSTRUCTION SCHEDULE

CONSTRUCTION OPERATION	WEEK
1. INSTALL SILENT CONTROL MEASURES	1 2 3 4 5 6 7 8 9 10 11 12
2. DEMOLITION	1 2 3 4 5 6 7 8 9 10 11 12
3. EXCAVATION	1 2 3 4 5 6 7 8 9 10 11 12
4. BACKFILL	1 2 3 4 5 6 7 8 9 10 11 12
5. SILENT CONTROL MEASURES	1 2 3 4 5 6 7 8 9 10 11 12
6. COMPLETE EARTH MOVEMENTS	1 2 3 4 5 6 7 8 9 10 11 12
7. FINAL GRADING, SEEDING AND MAINTENANCE	1 2 3 4 5 6 7 8 9 10 11 12



- 6.8.0.4 Prestart Topsoil: Site owners and operators must provide existing topsoil on the general construction site. Topsoil shall be stored in a secure location to prevent loss. Topsoil shall be stored in a secure location to prevent loss. Topsoil shall be stored in a secure location to prevent loss.
- 6.8.0.5 Stabilize Soil: Stabilization of disturbed areas shall be completed within 14 days of completion of earthwork. Stabilization shall be completed within 14 days of completion of earthwork. Stabilization shall be completed within 14 days of completion of earthwork.
- 6.8.0.8 Establish Temporary Controls for the Protection of Adjacent Stormwater Control Measures: Temporary controls shall be established to protect adjacent stormwater control measures. Temporary controls shall be established to protect adjacent stormwater control measures. Temporary controls shall be established to protect adjacent stormwater control measures.
- 6.8.0.11 Prepare Drain Stormwater Control Measures: Drain stormwater control measures shall be prepared in accordance with the standards and specifications of the jurisdictional authority. Drain stormwater control measures shall be prepared in accordance with the standards and specifications of the jurisdictional authority. Drain stormwater control measures shall be prepared in accordance with the standards and specifications of the jurisdictional authority.
- 6.8.0.12 Maintain Stormwater Control Measures: Stormwater control measures shall be maintained throughout the construction period. Stormwater control measures shall be maintained throughout the construction period. Stormwater control measures shall be maintained throughout the construction period.

sevan ENGINEERING

3025 Highland Parkway, Suite 850
Dunwoody, GA 30055

REVISIONS

NO.	DATE	DESCRIPTION
1	01/15/2024	ISSUE FOR BIDDING
2	01/15/2024	REVISED TO ADD AND REMOVE
3	01/15/2024	REVISED TO ADD AND REMOVE
4	01/15/2024	REVISED TO ADD AND REMOVE
5	01/15/2024	REVISED TO ADD AND REMOVE
6	01/15/2024	REVISED TO ADD AND REMOVE

CONSULTANT

SEAL

TIMOTHY KRATZ
Professional Engineer
No. 11820
1/15/2024

CUSTOMER

Washville

PRODUCT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

**991-995 W MAIN RD
MIDDLETOWN, TN 37082**

SHEET NO.

SOIL EROSION AND SEDIMENTATION CONTROL SITE PLAN

SHEET MANAGEMENT

PROJECT NO. MIDDLETOWN
DATE: 01/15/2024
PROJECT MANAGER: EEP TUNNEY
DESIGNER: EEP TUNNEY
CHECKER: EEP TUNNEY
DATE: 01/15/2024

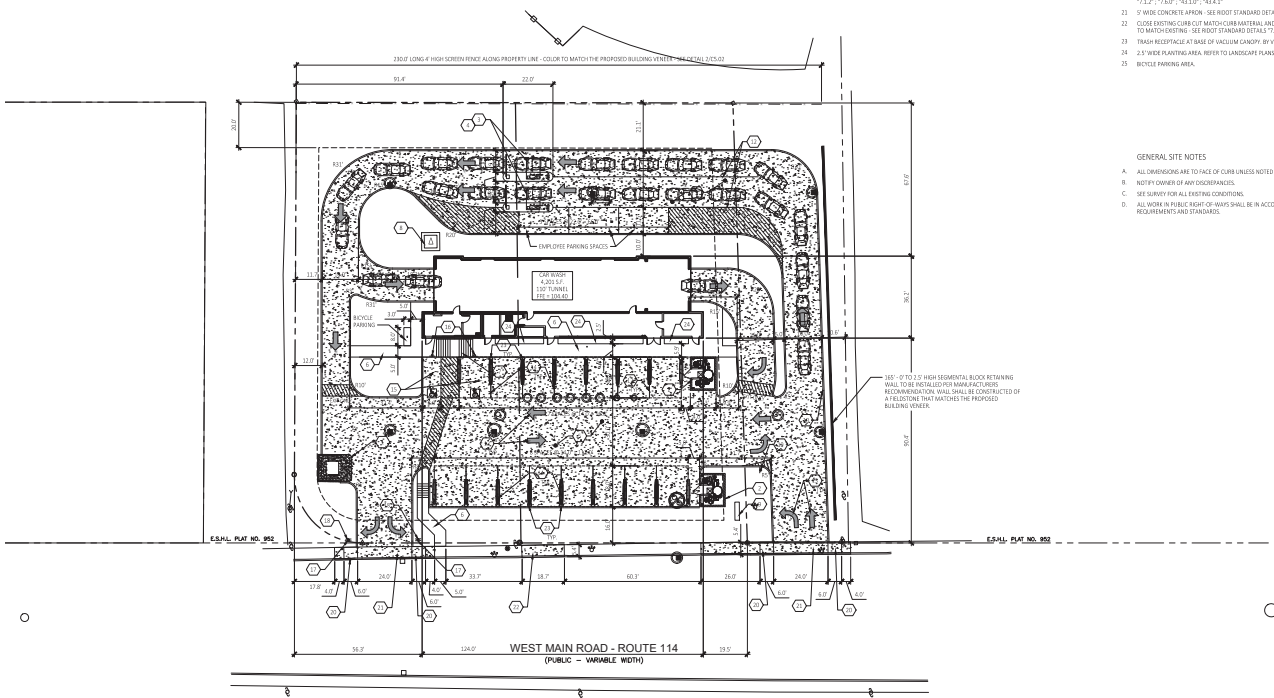
SHEET NUMBER

C1.11

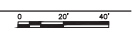
NO.	DATE	DESCRIPTION
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2	11/29/2022	REVISED TO ADD SIGNAGE
3	11/29/2022	REVISED TO ADD SIGNAGE
4	11/29/2022	REVISED TO ADD SIGNAGE
5	11/29/2022	REVISED TO ADD SIGNAGE
6	11/29/2022	REVISED TO ADD SIGNAGE
7	11/29/2022	REVISED TO ADD SIGNAGE
8	11/29/2022	REVISED TO ADD SIGNAGE
9	11/29/2022	REVISED TO ADD SIGNAGE
10	11/29/2022	REVISED TO ADD SIGNAGE
11	11/29/2022	REVISED TO ADD SIGNAGE
12	11/29/2022	REVISED TO ADD SIGNAGE
13	11/29/2022	REVISED TO ADD SIGNAGE
14	11/29/2022	REVISED TO ADD SIGNAGE
15	11/29/2022	REVISED TO ADD SIGNAGE
16	11/29/2022	REVISED TO ADD SIGNAGE
17	11/29/2022	REVISED TO ADD SIGNAGE
18	11/29/2022	REVISED TO ADD SIGNAGE
19	11/29/2022	REVISED TO ADD SIGNAGE
20	11/29/2022	REVISED TO ADD SIGNAGE
21	11/29/2022	REVISED TO ADD SIGNAGE
22	11/29/2022	REVISED TO ADD SIGNAGE
23	11/29/2022	REVISED TO ADD SIGNAGE
24	11/29/2022	REVISED TO ADD SIGNAGE
25	11/29/2022	REVISED TO ADD SIGNAGE

- PROPOSED SITE IMPROVEMENTS
1. TRUCK ENCLOSURE, CONCRETE PAD AND PROTECTIVE BOLLARDS, SEE ARCH PLANS.
 2. VACUUM PRODUCER, SEE VENDOR PLANS.
 3. PAV STATION/GRANPY.
 4. PAV STATION/GRANPY.
 5. CONCRETE FAVEMENT, SEE DETAILS SCS-01. CONTRACTOR SHALL PROVIDE JOINTING PLAN.
 6. CONCRETE SIDEWALK, WIDTH VARIES SEE PLAN.
 7. ACCESSIBLE CONCRETE CURB RAMP, SEE DETAIL SCS-01.
 8. TRANSFORMER PAD PER SERVICE PROVIDER SPECIFICATIONS.
 9. SITE SIGNAGE.
 10. CONCRETE CURBS, SEE DETAIL SCS-01.
 11. STORAGE WATER STRUCTURE, SEE STORAGE WATER MANAGEMENT PLAN C1.11.
 12. 4" PAINTED PARKING STRIPES, SEE DETAIL SCS-01.
 13. PAINTED DIRECTIONAL ARROW, SEE DETAIL SCS-01.
 14. VACUUM GRANPY BY WINDOW.
 15. BARRIER FREE PARKING STALL, SEE DETAIL SCS-01.
 16. BARRIER FREE PARKING STALL, SEE DETAIL SCS-01.
 17. 8x8 "NO RIGHT TURN" SIGN.
 18. 8x8 "STOP" SIGN.
 19. 8x8 "NO RIGHT TURN" WITH 8x8 "ONE WAY" SIGN ON SAME POST.
 20. 8" TRANSITION CURB AND 2" WIDE CONCRETE SIDEWALK - SEE HOIST STANDARD DETAIL "7.1.2", "7.1.3", "7.1.4", "7.1.5", "7.1.6", "7.1.7", "7.1.8", "7.1.9", "7.1.10", "7.1.11", "7.1.12", "7.1.13", "7.1.14", "7.1.15", "7.1.16", "7.1.17", "7.1.18", "7.1.19", "7.1.20", "7.1.21", "7.1.22", "7.1.23", "7.1.24", "7.1.25", "7.1.26", "7.1.27", "7.1.28", "7.1.29", "7.1.30", "7.1.31", "7.1.32", "7.1.33", "7.1.34", "7.1.35", "7.1.36", "7.1.37", "7.1.38", "7.1.39", "7.1.40", "7.1.41", "7.1.42", "7.1.43", "7.1.44", "7.1.45", "7.1.46", "7.1.47", "7.1.48", "7.1.49", "7.1.50", "7.1.51", "7.1.52", "7.1.53", "7.1.54", "7.1.55", "7.1.56", "7.1.57", "7.1.58", "7.1.59", "7.1.60", "7.1.61", "7.1.62", "7.1.63", "7.1.64", "7.1.65", "7.1.66", "7.1.67", "7.1.68", "7.1.69", "7.1.70", "7.1.71", "7.1.72", "7.1.73", "7.1.74", "7.1.75", "7.1.76", "7.1.77", "7.1.78", "7.1.79", "7.1.80", "7.1.81", "7.1.82", "7.1.83", "7.1.84", "7.1.85", "7.1.86", "7.1.87", "7.1.88", "7.1.89", "7.1.90", "7.1.91", "7.1.92", "7.1.93", "7.1.94", "7.1.95", "7.1.96", "7.1.97", "7.1.98", "7.1.99", "7.1.100".
 21. 2" WIDE CONCRETE ARROW, SEE HOIST STANDARD DETAIL "7.1.1", "7.1.2", "7.1.3", "7.1.4", "7.1.5", "7.1.6", "7.1.7", "7.1.8", "7.1.9", "7.1.10", "7.1.11", "7.1.12", "7.1.13", "7.1.14", "7.1.15", "7.1.16", "7.1.17", "7.1.18", "7.1.19", "7.1.20", "7.1.21", "7.1.22", "7.1.23", "7.1.24", "7.1.25", "7.1.26", "7.1.27", "7.1.28", "7.1.29", "7.1.30", "7.1.31", "7.1.32", "7.1.33", "7.1.34", "7.1.35", "7.1.36", "7.1.37", "7.1.38", "7.1.39", "7.1.40", "7.1.41", "7.1.42", "7.1.43", "7.1.44", "7.1.45", "7.1.46", "7.1.47", "7.1.48", "7.1.49", "7.1.50", "7.1.51", "7.1.52", "7.1.53", "7.1.54", "7.1.55", "7.1.56", "7.1.57", "7.1.58", "7.1.59", "7.1.60", "7.1.61", "7.1.62", "7.1.63", "7.1.64", "7.1.65", "7.1.66", "7.1.67", "7.1.68", "7.1.69", "7.1.70", "7.1.71", "7.1.72", "7.1.73", "7.1.74", "7.1.75", "7.1.76", "7.1.77", "7.1.78", "7.1.79", "7.1.80", "7.1.81", "7.1.82", "7.1.83", "7.1.84", "7.1.85", "7.1.86", "7.1.87", "7.1.88", "7.1.89", "7.1.90", "7.1.91", "7.1.92", "7.1.93", "7.1.94", "7.1.95", "7.1.96", "7.1.97", "7.1.98", "7.1.99", "7.1.100".
 22. 2" WIDE CONCRETE ARROW, SEE HOIST STANDARD DETAIL "7.1.1", "7.1.2", "7.1.3", "7.1.4", "7.1.5", "7.1.6", "7.1.7", "7.1.8", "7.1.9", "7.1.10", "7.1.11", "7.1.12", "7.1.13", "7.1.14", "7.1.15", "7.1.16", "7.1.17", "7.1.18", "7.1.19", "7.1.20", "7.1.21", "7.1.22", "7.1.23", "7.1.24", "7.1.25", "7.1.26", "7.1.27", "7.1.28", "7.1.29", "7.1.30", "7.1.31", "7.1.32", "7.1.33", "7.1.34", "7.1.35", "7.1.36", "7.1.37", "7.1.38", "7.1.39", "7.1.40", "7.1.41", "7.1.42", "7.1.43", "7.1.44", "7.1.45", "7.1.46", "7.1.47", "7.1.48", "7.1.49", "7.1.50", "7.1.51", "7.1.52", "7.1.53", "7.1.54", "7.1.55", "7.1.56", "7.1.57", "7.1.58", "7.1.59", "7.1.60", "7.1.61", "7.1.62", "7.1.63", "7.1.64", "7.1.65", "7.1.66", "7.1.67", "7.1.68", "7.1.69", "7.1.70", "7.1.71", "7.1.72", "7.1.73", "7.1.74", "7.1.75", "7.1.76", "7.1.77", "7.1.78", "7.1.79", "7.1.80", "7.1.81", "7.1.82", "7.1.83", "7.1.84", "7.1.85", "7.1.86", "7.1.87", "7.1.88", "7.1.89", "7.1.90", "7.1.91", "7.1.92", "7.1.93", "7.1.94", "7.1.95", "7.1.96", "7.1.97", "7.1.98", "7.1.99", "7.1.100".
 23. TRANS RECEIPT WALL AT BASE OF VACUUM GRANPY BY WINDOW.
 24. 2.5" WIDE AVANTAGE AREA, REFER TO LANDSCAPE PLANS.
 25. BICYCLE PARKING AREA.

- GENERAL SITE NOTES
- A. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
 - B. NOT TO DIMENSION ANY ENCLOSURES.
 - C. SEE SURVEY FOR ALL EXISTING CONDITIONS.
 - D. ALL WORK IN PUBLIC RIGHT-OF-WAYS SHALL BE IN ACCORDANCE WITH ALL STATE AND LOCAL REQUIREMENTS AND STANDARDS.



DIMENSION CONTROL SITE PLAN
SCALE: 1" = 20'-0"



CONSULTANT

SEAL
TIMOTHY KRATZ
No. 11820
REGISTERED PROFESSIONAL ENGINEER
11/29/2022

CUSTOMER
Washville
The Washville Group

PROJECT DESCRIPTION
WASHVILLE CARWASH

PROJECT LOCATION
991-995 W MAIN RD
MIDDLETOWN, RI 02842

INVENTORY COUNTY

SHEET TITLE
DIMENSION CONTROL
SITE PLAN

SHEET MANAGEMENT
PROJECT NO.: MIDDLETOWN RI
DATE: 11/29/2022
DESIGNER: EEP/TKR
PROJECT MANAGER: [Name]
[Address]
[Phone]
[Email]

SHEET NUMBER
C1.20

FILE NAME: I:\Projects\2022\0222-Washville Carwash\Drawings\11/29/2022\11/29/2022-DIMENSION CONTROL SITE PLAN.dwg

- PROPOSED:**
- STORM SEWER — STM —
 - ROOF DRAIN — RD —
 - SANITARY SEWER — SAN —
 - WATER MAIN SERVICE — WM —
 - GAS MAIN SERVICE — GAS —
 - ELECTRIC SERVICE — ELEC —
 - TELEPHONE SERVICE — TEL —
 - OVERHEAD UTILITIES — OH —
 - PROPOSED UTILITIES BY OTHERS — STM —
- EXISTING:**
- PROPERTY LINE —
 - EDGE OF PAVEMENT —
 - OVERHEAD UTILITIES LINES —
 - SEWER LINE —
 - GAS LINE —
 - TEL. LINE —
 - UNDERGROUND ELECT. —
 - SINGLE WHITE LINE —
 - VERTICAL CURB/STREET/CONCRETE CURB —
 - IRRIGATION CONTROL VALVE —
- LEGEND**
- STORM MANHOLE
 - CATCH-BASIN
 - VALE-BASIN
 - FLARED END SECTION
 - SANITARY MANHOLE
 - SANITARY CLEANOUT
 - TRANSFORMER
 - LIGHT POLE
 - WATER VALVE
 - FIRE HYDRANT

- EXISTING:**
- EDGE OF WOODS
 - MONITORING WELL
 - IRON PIPE CATCH-BASIN
 - GRAVITY OR CONCRETE BOXING (OR BOX)
 - UTILITY VOLE
 - SEWER MANHOLE
 - SPARK MANHOLE
 - CATCH-BASIN
 - WATER SKID/ST
 - WATER VALVE
 - GAS SKID/ST

UTILITY EQUIPMENT NOTE:
REFER TO THE BOUNDARY/TOPOGRAPHIC SURVEY PREPARED BY GRI FOR INFORMATION REGARDING EXISTING FACILITIES.

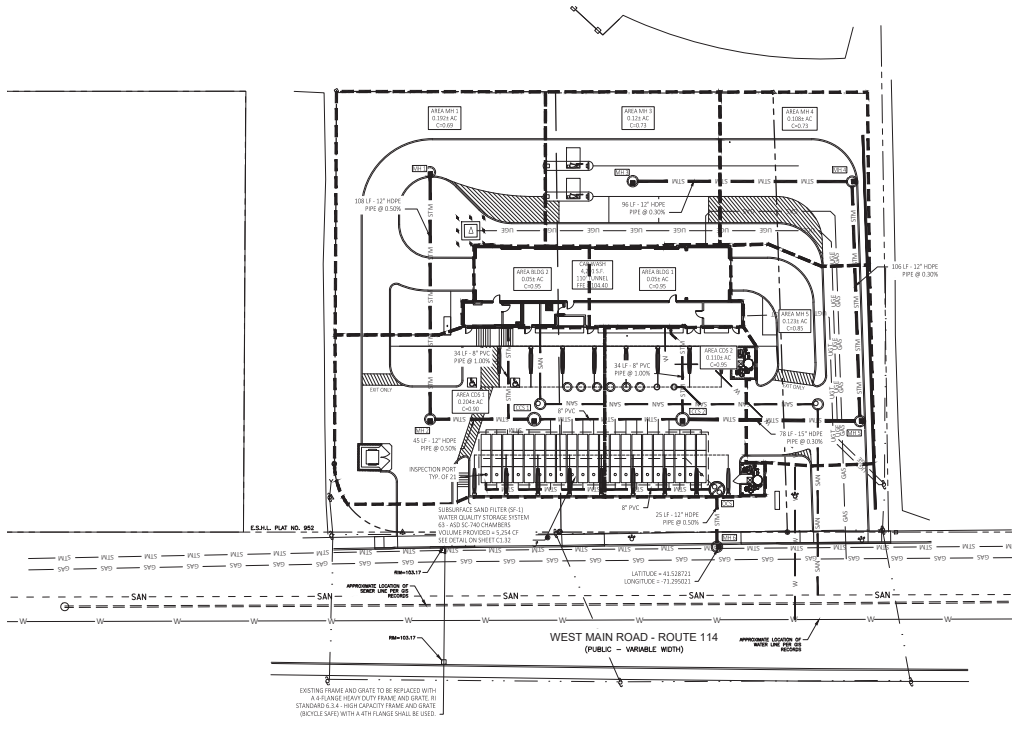
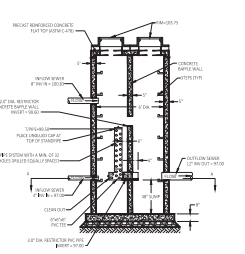
QUALITY CONTROL NOTE:
SEE SHEET C-1 FOR UTILITY CROSSINGS.

SOILS SITE INFORMATION NOTE:
THE OWNER OR CONTRACTOR SHALL APPLY FOR AND RECEIVE ALL UTILITY PERMITS FROM THE RELEVANT JURISDICTION PRIOR TO CONSTRUCTION. THE CONTRACTOR SHALL VERIFY THE LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO ANY WORK WITHIN THE RIGHT-OF-WAY.

- STRUCTURE TABLE NOTES:**
- SEE DETAILS ON SHEET C-2.
 - ALL STORM STRUCTURES TO BE INSTALLED PER ACCORDANCE WITH LOCAL STANDARDS AND DETAILS UNLESS NOTED OTHERWISE.
 - PROVIDE INLET FILTERS FOR ALL FILTERS. FILTER SHALL BE REGULARLY MAINTAINED AND REMAIN IN PLACE UNTIL FINAL GRADES HAVE BEEN DETERMINED. REFER TO SHEET C-1.1.
 - ALL STRUCTURE FRAME AND GRATES TO BE STANDARD UNLESS NOTED OTHERWISE.
 - NORTHING AND EASTING PER COORDINATE SYSTEM PROVIDED IN THE SURVEY AUTOCAD FILE PROVIDED BY GRI.
 - ALL CATCH-BASINS AND VALVES SHALL HAVE UNITS REMAINING INSTALLED. UNPAINTED IN SETTLEMENT AND PLACED IN THE SEWER TRENCH, NOT MORE THAN 3 FEET BELOW THE TOP OF THE CASTING.

NAME	DETAILS	DESCRIPTION	N	E
SM-1	SM-1-100-80 12" DIA. HOLES - 80'-00" 12" DIA. HOLES - 80'-00"	4 Chamber Concrete Covered Manhole Structure	384336.21	384342.84
SM-2	SM-2-100-75 12" DIA. HOLES - 75'-00" 12" DIA. HOLES - 75'-00"	4 Chamber Concrete Covered Manhole Structure	384332.81	384346.18
SM-3	SM-3-100-80 12" DIA. HOLES - 80'-00" 12" DIA. HOLES - 80'-00"	4 Chamber Concrete Covered Manhole Structure	384339.51	384336.34
SM-4	SM-4-100-80 12" DIA. HOLES - 80'-00" 12" DIA. HOLES - 80'-00"	4 Chamber Concrete Covered Manhole Structure	384322.48	384352.18
SM-5	SM-5-100-80 12" DIA. HOLES - 80'-00" 12" DIA. HOLES - 80'-00"	4 Chamber Concrete Covered Manhole Structure	384328.20	384350.47
SM-6	SM-6-100-200 12" DIA. HOLES - 200'-00" 12" DIA. HOLES - 200'-00"	4 Chamber Concrete Covered Manhole Structure	384328.80	384397.32
SM-7	SM-7-100-75 12" DIA. HOLES - 75'-00" 12" DIA. HOLES - 75'-00"	4 Chamber Concrete Covered Manhole Structure	384343.80	384377.22
CS-1	CS-1-100-80 12" DIA. HOLES - 80'-00" 12" DIA. HOLES - 80'-00"	Catch Basin Separator Manhole with 1/2" Inlet Frame and 1/2" Outlet Frame	384333.81	384343.81
CS-2	CS-2-100-80 12" DIA. HOLES - 80'-00" 12" DIA. HOLES - 80'-00"	Catch Basin Separator Manhole with 1/2" Inlet Frame and 1/2" Outlet Frame	384319.41	384338.04

STRUCTURE TABLE



STORM WATER MANAGEMENT PLAN
SCALE: 1" = 20'-0"

0 20' 40'

sevan
ENGINEERING

3025 Highland Parkway, Suite 850
Downers Grove, IL 60555

REVISIONS

NO.	DATE	DESCRIPTION
1	11/23/2022	ISSUE FOR PERMIT
2	11/23/2022	REVISED PER PERMIT
3	11/23/2022	REVISED PER PERMIT
4	11/23/2022	REVISED PER PERMIT
5	11/23/2022	REVISED PER PERMIT

CONSULTANT

SEAL

TIMOTHY KRATZ
No. 11820
REGISTERED PROFESSIONAL ENGINEER
11/23/2022

CUSTOMER

Washville
WASHVILLE CARWASH

PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

**991-995 W MAIN RD
MIDDLETOWN, RI 02842**

INVENTORY COUNTY

SHEET TITLE

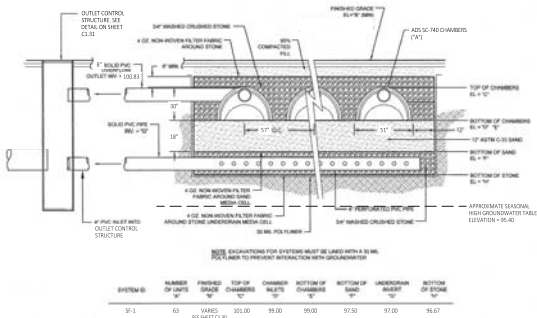
**STORM WATER
MANAGEMENT PLAN**

SHEET MANAGEMENT

PROJECT NO: MIDDLETOWN 02
OWNER: EEP TRANEL
DESIGN MANAGER: [Name]
PROJECT MANAGER: [Name]

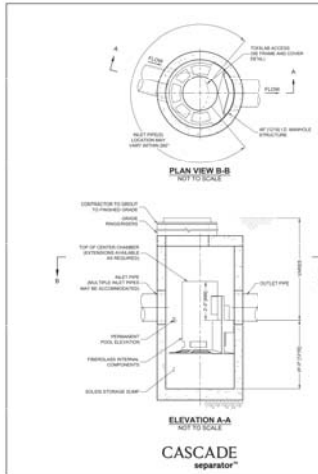
SHEET NUMBER

C1.31



SHEET #	NUMBER OF UNITS	FINISHED SPACE	TOP OF CHAMBERS	CHAMBERS	BOTTOM OF CHAMBERS	BOTTOM OF SAND	UNDERDRIN	BOTTOM OF STONE
S1-1	63	VARIES	101.00	99.00	97.00	97.00	97.00	96.75

TYPICAL SUBSURFACE SAND FILTER SECTION
SCALE: NOT TO SCALE



CASCADE separator

CASCADE SEPARATOR DESIGN NOTES

THE STANDARD CONSTRUCTION IS SHOWN. ALTERNATE CONSTRUCTIONS ARE AVAILABLE AND ARE LISTED BELOW. SOME CONSTRUCTIONS MAY BE CHANGED TO MEET THE REQUIREMENTS.

CONFIGURATION DESCRIPTION

INLET PIPES ONLY AND INLET PIPES
 INLET PIPES ONLY AND INLET PIPES
 INLET PIPES ONLY AND INLET PIPES
 INLET PIPES ONLY AND INLET PIPES

SITE SPECIFIC DATA REQUIREMENTS

NO.	DESCRIPTION	UNIT	REMARKS
1	INLET PIPES		
2	OUTLET PIPES		
3	INLET PIPES		
4	OUTLET PIPES		
5	INLET PIPES		
6	OUTLET PIPES		
7	INLET PIPES		
8	OUTLET PIPES		
9	INLET PIPES		
10	OUTLET PIPES		

CONTECH
ENGINEERING SOLUTIONS LLC

CS-4 CASCADE SEPARATOR STANDARD DETAIL

sevan ENGINEERING

3035 Highland Parkway, Suite 850
Downers Grove, IL 60515

REVISIONS

NO.	DATE	DESCRIPTION
1	11/11/2010	ISSUED FOR PERMITS
2	11/11/2010	REVISED PERMITS AND FOOT
3	11/11/2010	REVISED PERMITS
4	11/11/2010	REVISED PERMITS
5	11/11/2010	REVISED PERMITS
6	11/11/2010	REVISED PERMITS
7	11/11/2010	REVISED PERMITS
8	11/11/2010	REVISED PERMITS
9	11/11/2010	REVISED PERMITS
10	11/11/2010	REVISED PERMITS

CONSULTANT

SEAL

TIMOTHY KRATZ
REGISTERED PROFESSIONAL ENGINEER
No. 061000116
11/20/2010

CUSTOMER

Washville
Your Wash is Our Business

PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

991-995 W MAIN RD
MIDDLETOWN, RI 02842

INHERENT COUNTY

SHEET TITLE

SAND FILTER AND CDS DETAILS

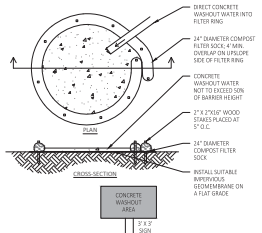
SHEET MANAGEMENT

PROJECT NO: MIDDLETOWN 02
 DATE: 11/11/2010
 PROJECT MANAGER: EDD TUNNEY
 DESIGNER: [Name]
 CHECKER: [Name]
 APPROVED: [Name]

SHEET NUMBER

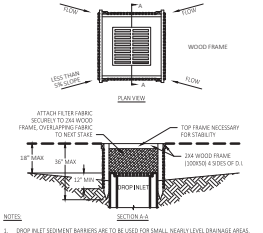
C1.32

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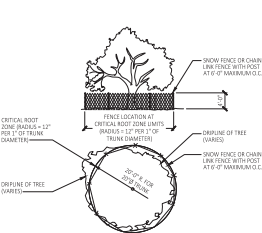
- NOTES:
1. ACTUAL LENGTH AND SPACING TO BE DETERMINED IN THE FIELD.
 2. MATERIALS USED TO CONSTRUCT TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REMOVED FROM THE SITE OF THE WORK AND DEPOSED OF OR RECYCLED.
 3. HOLE, EXPRESSIONS OR OTHER GROUNDS DISTURBANCES CAUSED BY THE REMOVAL OF THE TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE REPAIRED, STRIPPED, AND STABILIZED TO PREVENT EROSION.

CONCRETE WASH DETAIL
SCALE: NONE



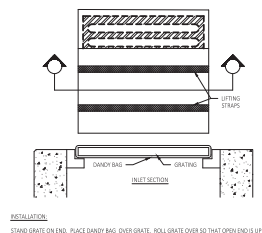
- NOTES:
1. DROP PALET SEDIMENT BARRIERS ARE TO BE USED FOR SMALL, NEARLY LEVEL DRAINAGE AREAS (LESS THAN 5%).
 2. USE 2"x4" WOOD OR EQUIVALENT METAL STAKES, 3' LONG MINIMUM LENGTH.
 3. INSTALL 1/2"x4" WOOD TOP FRAME TO ASSURE STABILITY.
 4. THE TOP OF THE FRAME (ENDING HEIGHT) MUST BE WELL BELOW THE GROUND ELEVATION DOWNWARD TO PREVENT RUNOFF FROM VIOLATING THE BUILT. A TEMPORARY DIRT MAT MAY BE NECESSARY ON THE DOWNDRIVE SIDE OF THE STRUCTURE.

SILT FENCE INLET FILTER
SCALE: NONE



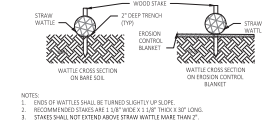
- NOTES:
1. STAKE LOCATION AT CRITICAL ROOT ZONE (CRITICAL ROOT ZONE RADIUS = 1/2" DBH OF TREE TRUNK DIAMETER).
 2. STAKE LOCATION AT CRITICAL ROOT ZONE (CRITICAL ROOT ZONE RADIUS = 1/2" DBH OF TREE TRUNK DIAMETER).
 3. STAKE LOCATION AT CRITICAL ROOT ZONE (CRITICAL ROOT ZONE RADIUS = 1/2" DBH OF TREE TRUNK DIAMETER).

TREE PROTECTION FENCING
SCALE: NONE



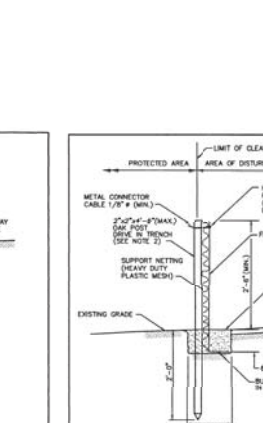
- INSTALLATION:
- STAND GRADE ON END. PLACE SANDY BAG OVER GRATE. ROLL GRATE OVER SO THAT DRAIN ENDS UP. PULL UP BAG. SANDY BAG MAY BE SHIRT TIE OF GRATE. GRATE COVERED BY SANDY BAG OR SANDY BAG WILL NOT FIT PROPERLY. HOLDING HANDS CAREFULLY PLACE SANDY BAG WITH GRATE. PATTERNED PROTECTIVE MATS SHALL BE USED TO PROTECT THE TOP OF THE SANDY BAG. (SEE DETAIL "A").
- MAINTENANCE:
- WITH A STEEL BRISTLE BRUSH OR SQUARE POINT SHOVEL REMOVE SILT & OTHER DEBRIS OFF SURFACE AFTER EACH POUR.

INLET PROTECTION DETAILS
SCALE: NONE



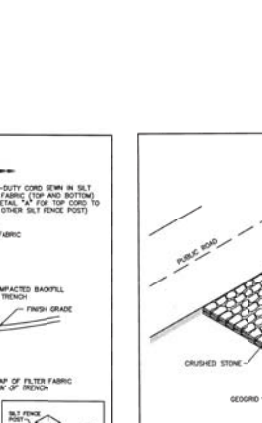
- NOTES:
1. ENDS OF WATTLES SHALL BE TURNED SLIGHTLY UP-SLOPE.
 2. RECOMMENDED STAKES ARE 1 1/2" DIA. X 1 1/2" THICK X 10' LONG.
 3. STAKES SHALL NOT EXTEND ABOVE STRAW WATTLE MATS THICK.

STRAW WATTLE
SCALE: NONE



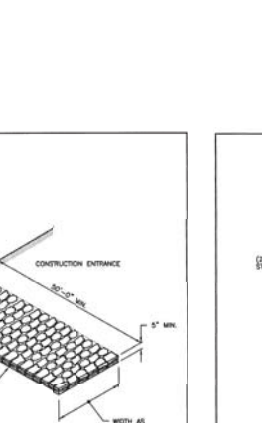
- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 306 OF THE R.I. STANDARD SPECIFICATIONS.
 2. 2"x4" (6" MAX.) COM. POSTS FOR SILT FENCE SHALL BE LOCATED 8'-0" (MAX.) O.C. IN WETLAND AREAS AND 4'-0" (MAX.) O.C. IN WETLAND BARRIER, GULLY OR DROP-OFF AREAS AS SHOWN ON PLANS.
 3. 1/2"x4" (6" MAX.) COM. POSTS POINTED FOR PRE-FABRICATED SILT FENCE SHALL BE INSTALLED BEFORE ANY GRUBBING OR EARTH EXCAVATION TAKES PLACE.

SILT FENCE DETAIL
SCALE: NONE



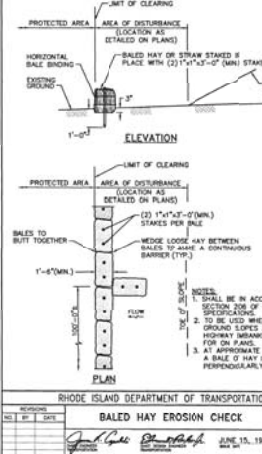
- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 311 OF THE R.I. STANDARD SPECIFICATIONS.

CONSTRUCTION ACCESS
SCALE: NONE



- NOTES:
1. SHALL BE IN ACCORDANCE WITH SECTION 209 OF THE R.I. STANDARD SPECIFICATIONS.
 2. THIS INLET PROTECTION CAN ALSO BE USED WHEN CONSTRUCTION EQUIPMENT REQUIRES A CATCH BASIN TO BE EXPOSED TO SEGMENT FROM THE SURFACE. THIS WILL BE ACHIEVED BY INSTALLING THE BALED HAY AS SHOWN ON THIS DETAIL INTO THE SURFACE.
 3. THE PERIMETER CONFIGURATION OF THE BALED HAY WILL VARY DEPENDING ON THE PARTICULAR TYPE OF CATCH BASIN BUILT BEING CONSTRUCTED. THE ENGINEER WILL PROVIDE SPECIFIC DIRECTION IN SUCH CASES.

BALED HAY CATCH BASIN INLET PROTECTION
SCALE: NONE



BALED HAY EROSION CHECK
SCALE: NONE

SILT FENCE
SCALE: NONE

CONSTRUCTION ENTRANCE
SCALE: NONE

INLET PROTECTION DETAILS
SCALE: NONE

sevan ENGINEERING

3025 Highland Parkway, Suite 850
Downers Grove, IL 60515

REVISIONS

NO.	DATE	DESCRIPTION
0	03/22/2018	FOR PLAN REVIEW
1	03/22/2018	FOR PERMITS AND EIGHT
2	03/22/2018	FOR PERMITS AND EIGHT
3	03/22/2018	FOR PERMITS AND EIGHT
4	03/22/2018	FOR PERMITS AND EIGHT
5	03/22/2018	FOR PERMITS AND EIGHT
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48	03/22/2018	FOR PERMITS AND EIGHT
49	03/22/2018	FOR PERMITS AND EIGHT
50	03/22/2018	FOR PERMITS AND EIGHT

CONSULTANT

SEAL

TIMOTHY KRATZ
No. 11600
REGISTERED PROFESSIONAL ENGINEER
11/22/2004

CUSTOMER

Washville
WASHVILLE CARWASH

PROJECT DESCRIPTION

PROJECT LOCATION

991-995 W MAIN RD
MIDDLETOWN, RI 02842

INVENTORY (COUNT)

SHEET TITLE

EROSION CONTROL DETAILS

SHEET MANAGEMENT

PROJECT NO. SECTION NO.

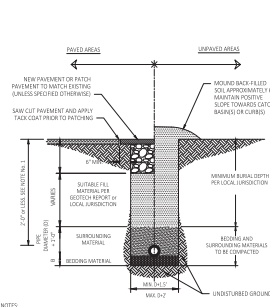
DATE

PROJECT MANAGER

DATE

SHEET NUMBER

C5.00



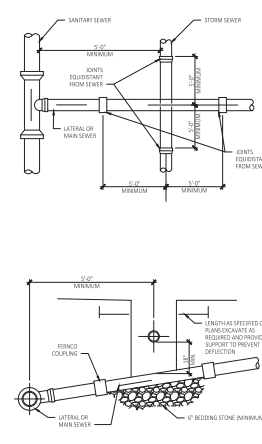
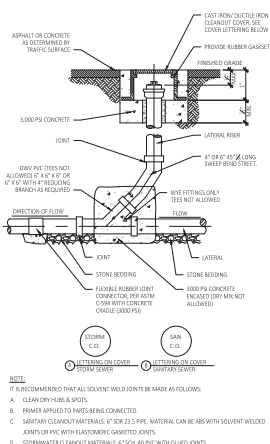
- NOTES**
- WHERE BACKFILL IS DESIGNATED "COMPACTED", THE MEANS FOR SOIL STANDARD PROCTOR ADAPTED FOR ALL FILL PLACED IN LOW PRESSURE STRUCTURES MUST MEET THIS REQUIREMENT.
 - FOR ALL TRENCHES WITH A GRADE GREATER THAN 10% OR WHERE GROUNDWATER IS APPARENT, INSTALL CLAY DAMS AROUND PIPE AT 50' INTERVALS.

RECOMMENDED FILL MATERIALS

CONDITION & PIPE	"BEST" MATERIAL	MINIMUM MATERIAL	"Y" MATERIAL
COULTELL IRON PIPE IN CONDUIT/RYAN SIZE	TYPE I, II, III	SAND OR FINE SAND	4"
FCP PIPE IN "FOREBAY" SECTION	TYPE I, II, III	SAND OR FINE SAND	4"
FCP PIPE IN "FOREBAY" SECTION ON LEVEL	TYPE I, II, III	SAND OR FINE SAND	4"
COULTELL IRON PIPE IN CLAY CHANNEL	TYPE I, II, III	SAND	4"
FCP PIPE IN CLAY CHANNEL	TYPE I, II, III	SAND	4"
PLASTIC ALL	SAND OR FINE SAND	TYPE II	4"

- * SUITABLE MATERIAL SHOULD CONTAIN NO STONES GREATER THAN 4" IN DIAMETER, NO ROUND LIMBS, AND ONLY MINOR AMOUNTS OF CLAY OR ORGANIC MATERIAL. ALL MATERIAL TO BE PLACED IN MANHOLE IF IT IS TO BE COMPACTED BEFORE PLACING PIPE.
- ** PIPE MATERIAL SHALL BE EITHER GRAVEL OR ENCAUSTIC MATERIAL CONTAINING NO STONES GREATER THAN 1/2" IN DIAMETER, NO CLAY, AND NO ORGANIC MATERIAL.
- ** PIPE MATERIAL SHALL BE CLEAN WASH, CRUSHED OR WINDING STONE WITH NO OBSTRUCTION BY INTERIOR OF PIPE, PASSING A 1/2" SQUARE OPENING, NOT MORE THAN 20% PASSING A 3/4" SQUARE OPENING AND NOT MORE THAN 10% PASSING A 1" SQUARE OPENING.
- ** PIPE MATERIAL SHALL BE CLEAN WASH, CRUSHED STONE FREE FROM CONTAMINANTS AND TIGHTLY TIGHTENED WITH A GRADE OF WEIGHT OF 100% PASSING A 1" SQUARE OPENING AND 10% PASSING A 1/2" SQUARE OPENING.

PIPE BEDDING

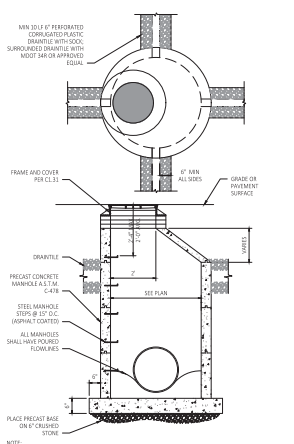


STORM & SANITARY CLEAN-OUT

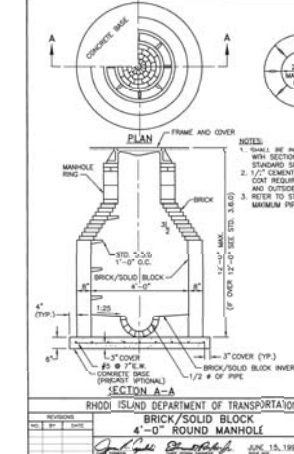
- NOTES**
- ALL CLEAN-OUTS MUST BE MADE AS FOLLOWS:
 - CLEAN-OUTS MUST BE MADE AS FOLLOWS:
 - FRAMES APPLIED TO PARTS BEING CONNECTED.
 - SAFETY PIN CLEAN-OUT MATERIALS 4" OR 2 1/2" PIPE MATERIAL CAN BE ASG WITH SOLVENT WELDED JOINTS OR PVC WITH ELASTOMER GASKETED JOINTS.
 - STORMWATER CLEAN-OUT MATERIALS: 4" SCH 40 PVC WITH GLEED JOINTS.

SANITARY CROSSING

- NOTES**
- LENGTHS SPECIFIED ON PLANS SHOWN AS REQUIRED AND PROVIDE SUPPORT TO PREVENT DEFLECTION.

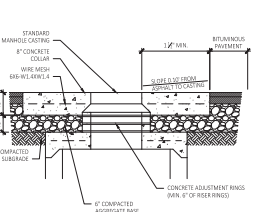


STORM MANHOLE

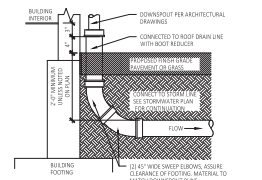


STORM MANHOLE (FOR USE ON MH-6) WITH RING

- NOTES**
- FRAME SHALL BE IN ACCORDANCE WITH SECTION 702 OF THE R.I. STANDARD SPECIFICATIONS.
 - 1/2" CEMENT MORTAR PLASTER COAT REQUIRED ON ALL INSIDE AND OUTSIDE SURFACES.
 - REFER TO STD. 5.2.2 FOR MINIMUM PIPE SIZES.



CONCRETE COLLAR IN PAVED AREAS



DOWNSPOUT/RAIN LEADER CONNECTION

- NOTES**
- TYPICAL GRADE ADJACENT TO BUILDING SHALL BE 7" LOWER THAN F.E.L.
 - SEE GRADING PLAN FOR LOCATIONS.

sevan ENGINEERING

3025 Highland Parkway, Suite 850
Dunsmuir Grove, IL 60515

REVISIONS

NO.	DATE	DESCRIPTION
1	03/21/2013	FOR PLAN REVIEW
2	03/21/2013	FOR PERMITS AND EASEMENTS
3	03/21/2013	FOR PERMITS AND EASEMENTS
4	03/21/2013	FOR PERMITS AND EASEMENTS
5	03/21/2013	FOR PERMITS AND EASEMENTS

CONSULTANT

SEAL

TIMOTHY KRATZ
No. 11600
REGISTERED PROFESSIONAL ENGINEER
11/22/2003

CUSTOMER

Washville

PROJECT DESCRIPTION

WASHVILLE CARWASH

PROJECT LOCATION

**991-995 W MAIN RD
MIDDLETOWN, RI 02842**

INVENTORY (COUNT)

SHEET TITLE

UTILITY DETAILS

SHEET MANAGEMENT

PROJECT NO.	SECTION/TOWN
11000	02

SHEET NUMBER

C5.03

