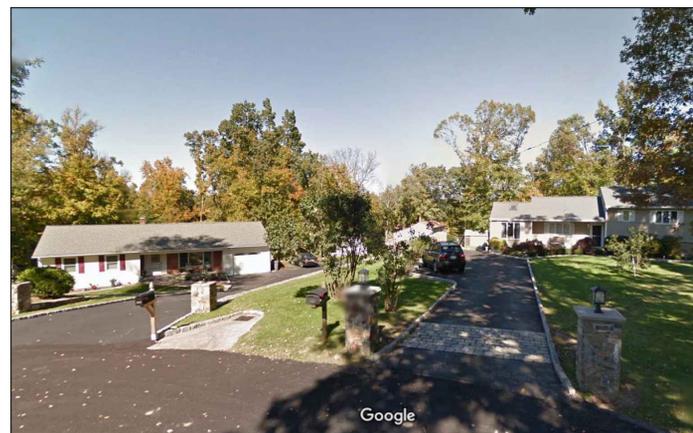




LOCATION MAP
NOT TO SCALE



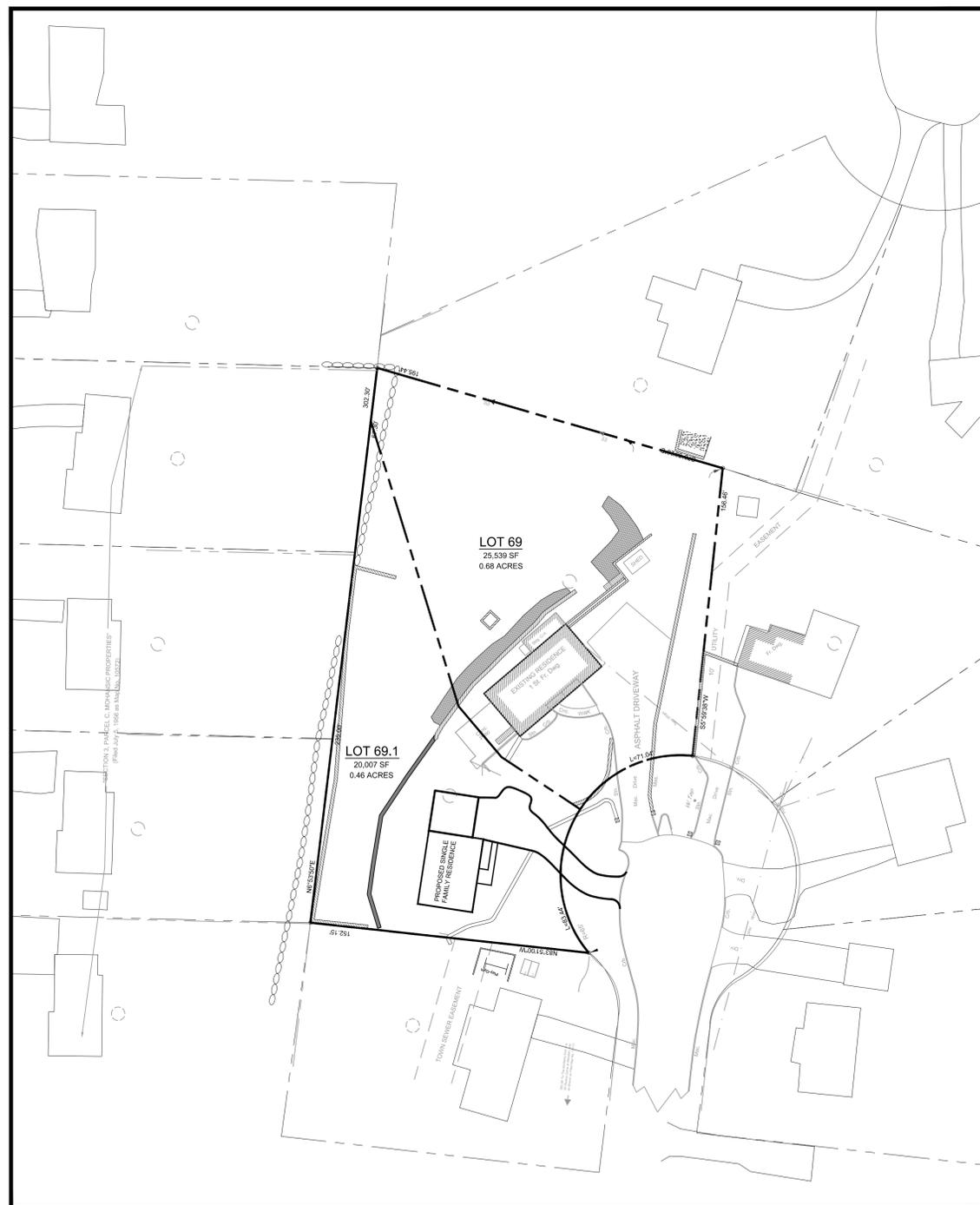
AERIAL VIEW



VIEW LOOKING UP EASTERN PROPERTY LINE



VIEW LOOKING DOWN SOUTHERN PROPERTY LINE



SITE DATA:

OWNER / DEVELOPER: FRANK FIORE
2797 CARR COURT
YORKTOWN HEIGHTS, NY 10598

PROJECT LOCATION: 2797 CARR COURT
YORKTOWN HEIGHTS, NY 10598

EXISTING TOWN ZONING: R1-20 SINGLE FAMILY RESIDENCE

TOWN TAX MAP DATA: SECTION 26.15, BLOCK 1, LOT 69

SITE AREA: 1.137 ACRES (49,546 SF)

SEWAGE FACILITIES: PUBLIC SEWERS

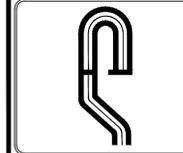
WATER FACILITIES: PUBLIC WATER FACILITIES

ZONING SCHEDULE:

| ZONING DISTRICT: R1-20, SINGLE FAMILY RESIDENTIAL | | | | |
|---|-----------------|-----------------|-------------------|-------------------|
| DIMENSIONAL REGULATIONS: | REQUIRED | PROVIDED LOT 69 | PROVIDED LOT 69.1 | VARIANCE REQUIRED |
| MINIMUM SIZE OF LOT: | | | | |
| MINIMUM LOT AREA: | 20,000 SF. | 25,539 SF. | 20,007 SF. | NONE |
| MINIMUM LOT WIDTH: | 100 FT. | 148 FT. | 100 FT. | NONE |
| MINIMUM LOT DEPTH: | 100 FT. | 195 FT. | 131 FT. | NONE |
| MINIMUM ROAD FRONTAGE: | 60 FT. | 71 FT. | 83 FT. | NONE |
| MINIMUM YARD DIMENSIONS: | | | | |
| PRINCIPAL BUILDING: | | | | |
| FRONT YARD SETBACK: | 40 FT. | 49.29 FT. | 49.8 FT. | NONE |
| REAR YARD SETBACK: | 40 FT. | 104.64 FT. | 56.6 FT. | NONE |
| ONE SIDE YARD SETBACK: | 15 FT. | 15.0 FT. | 15.0 FT. | NONE |
| COMBINED SIDE YARD SETBACK: | 40 FT. | 69.23 FT. | 40.2 FT. | NONE |
| ACCESSORY BUILDINGS: | | | | |
| FRONT YARD SETBACK: | 40 FT. | ----- | ----- | ----- |
| REAR YARD SETBACK: | 10 FT. | ----- | ----- | ----- |
| SIDE YARD SETBACK: | 15 FT. | ----- | ----- | ----- |
| MAXIMUM % OF LOT TO BE OCCUPIED: | | | | |
| TOTAL BUILDING COVERAGE: | 20% OF LOT AREA | 7 % OF LOT AREA | 8.6 % OF LOT AREA | NONE |
| MINIMUM USABLE FLOOR AREA OF D.U.: | 800 SF | 2500 SF | 2500 SF | NONE |
| MAXIMUM HEIGHT: | | | | |
| PRINCIPAL BUILDING - FEET: | 35 FT. | 35 FT MAX | 35 FT MAX | NONE |
| ACCESSORY BUILDING - FEET: | 15 FT | ----- | ----- | ----- |

PARKING SCHEDULE

| REQUIRED PARKING | |
|----------------------------|----------------------------|
| RESIDENTIAL BUILDING: | 1 DWELLING UNIT = 1 SPACE |
| TOTAL PROVIDED PARKING: | 2 SPACES PER DWELLING UNIT |
| PARKING VARIANCE REQUIRED: | 0 SPACES |



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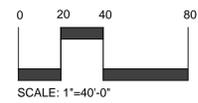
| Revisions: | No. | Date | Comments: |
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| | 4. | 3/13/19 | Town Engineer Comm. |

SCALE: 1" = 20'
DRAWN BY: JCR
DATE: 2/2/18

ZONING & VICINITY PLAN

PROPOSED SUBDIVISION
PREPARED FOR
FRANK FIORE
2797 CARR COURT
Westchester Co., New York
Town Of Yorktown

NOTE:
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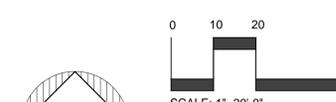
SCALE: 1"=40'-0"

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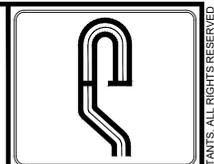
LEGEND

| | |
|--|------------------------------|
| | PROPERTY LINE / RIGHT OF WAY |
| | PROPOSED DRIVEWAY CENTERLINE |
| | PROPOSED CURB |
| | EXISTING RETAINING WALLS |
| | PROPOSED RETAINING WALLS |



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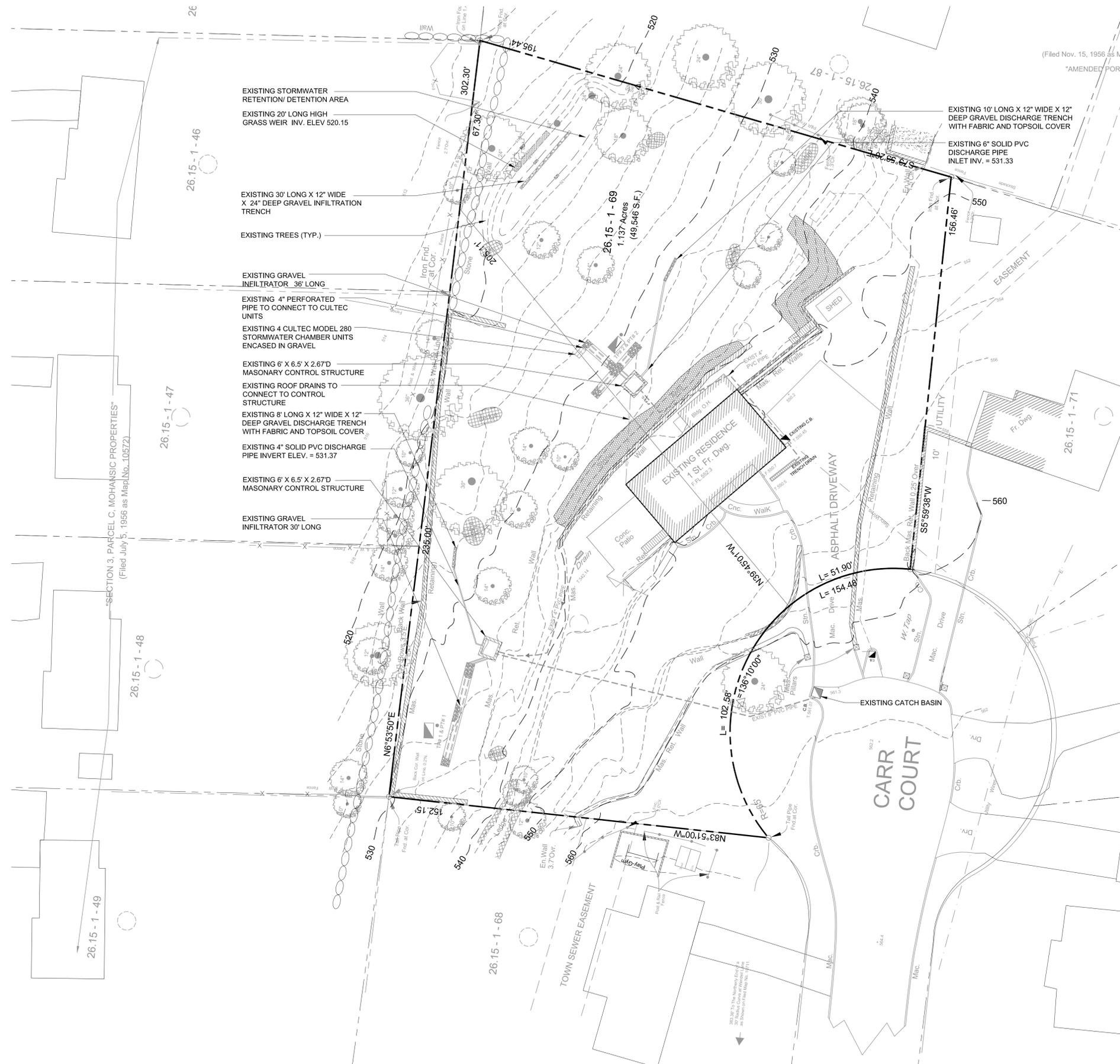
Revisions:

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| | |
|-----------|----------|
| SCALE: | 1" = 20' |
| DRAWN BY: | JCR |
| DATE: | 2/2/18 |

SUBDIVISION PLAN

PROPOSED SUBDIVISION PREPARED FOR
FRANK FIORE
 2797 CARR COURT
 Westchester Co., New York
 Town Of Yorktown



SECTION 3, PARCEL C, MOHANSIC PROPERTIES*
(Filed July 5, 1956 as Map No. 10572)

26.15 - 1 - 46

26.15 - 1 - 47

26.15 - 1 - 48

26.15 - 1 - 49

26.15 - 1 - 69
1.137 Acres
(49,546 S.F.)

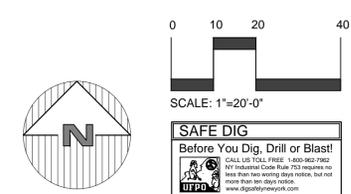
26.15 - 1 - 68

26.15 - 1 - 71

- EXISTING STORMWATER RETENTION / DETENTION AREA
- EXISTING 20' LONG HIGH GRASS WEIR INV. ELEV 520.15
- EXISTING 30' LONG X 12' WIDE X 24" DEEP GRAVEL INFILTRATION TRENCH
- EXISTING TREES (TYP.)
- EXISTING GRAVEL INFILTRATOR 36' LONG
- EXISTING 4" PERFORATED PIPE TO CONNECT TO CULTEC UNITS
- EXISTING 4 CULTEC MODEL 280 STORMWATER CHAMBER UNITS ENCASED IN GRAVEL
- EXISTING 6' X 6.5' X 2.67'D MASONARY CONTROL STRUCTURE
- EXISTING ROOF DRAINS TO CONNECT TO CONTROL STRUCTURE
- EXISTING 8' LONG X 12' WIDE X 12" DEEP GRAVEL DISCHARGE TRENCH WITH FABRIC AND TOPSOIL COVER
- EXISTING 4" SOLID PVC DISCHARGE PIPE INVERT ELEV. = 531.37
- EXISTING 6' X 6.5' X 2.67'D MASONARY CONTROL STRUCTURE
- EXISTING GRAVEL INFILTRATOR 30' LONG

- EXISTING 10' LONG X 12' WIDE X 12" DEEP GRAVEL DISCHARGE TRENCH WITH FABRIC AND TOPSOIL COVER
- EXISTING 6" SOLID PVC DISCHARGE PIPE INLET INV. = 531.33

- LEGEND**
- 222 --- EXISTING GRADING
 - × 222.8 EXISTING SPOT GRADE
 - PROPERTY LINE / RIGHT OF WAY
 - W --- EXISTING WATER LINE
 - EXISTING RETAINING WALLS
 - EXISTING UTILITY WIRES
 - RD --- EXISTING ROOF DRAIN



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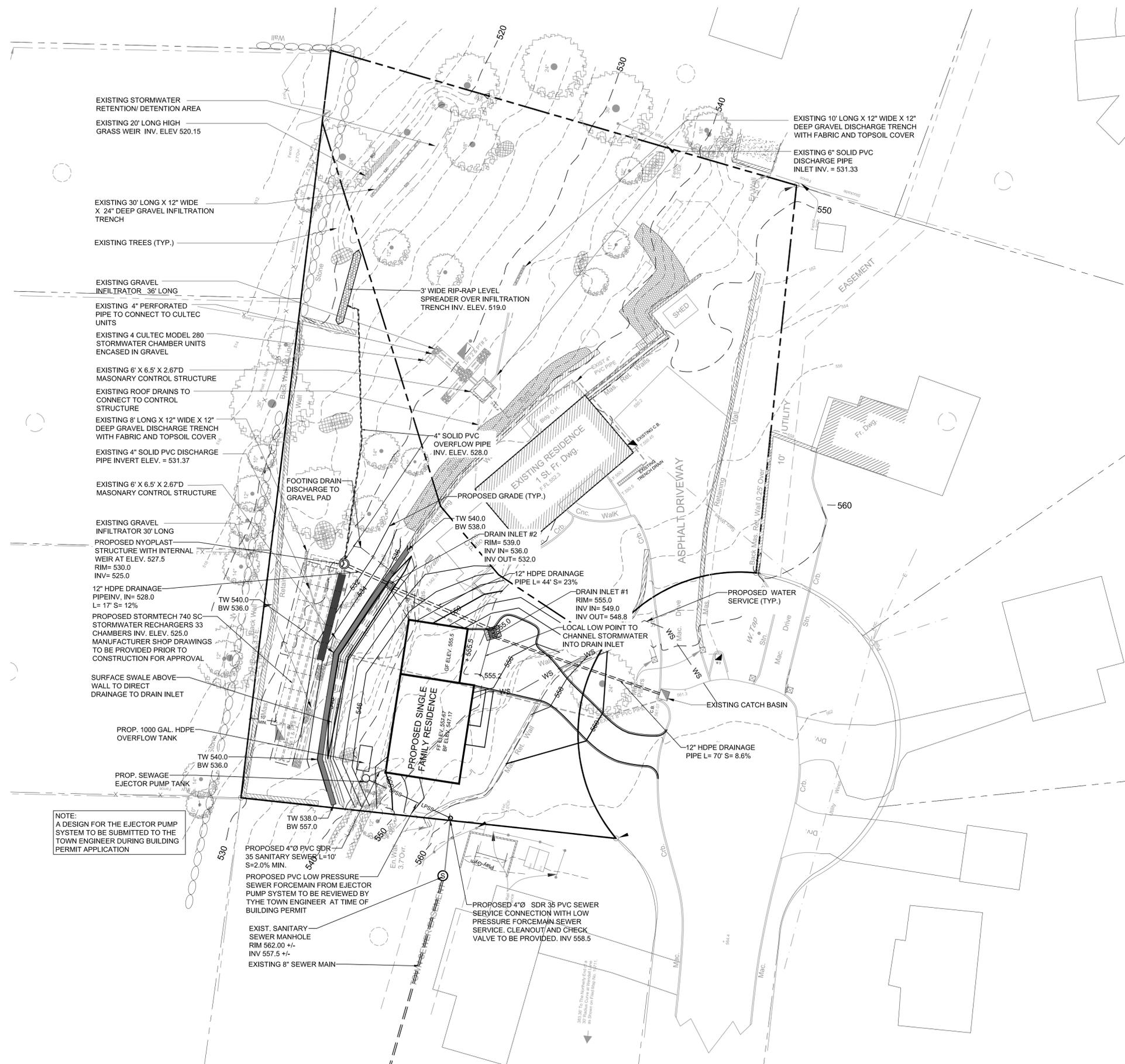
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SCALE: 1" = 20'
DRAWN BY: JCR
DATE: 2/2/18

EXISTING CONDITIONS PLAN

PROPOSED SUBDIVISION
PREPARED FOR
FRANK FIORE
2797 CARR COURT
Westchester Co., New York
Town Of Yorktown



EXISTING STORMWATER RETENTION/DETENTION AREA
EXISTING 20' LONG HIGH GRASS WEIR INV. ELEV 520.15

EXISTING 30' LONG X 12" WIDE X 24" DEEP GRAVEL INFILTRATION TRENCH

EXISTING TREES (TYP.)

EXISTING GRAVEL INFILTRATOR 36' LONG

EXISTING 4" PERFORATED PIPE TO CONNECT TO CULTTEC UNITS

EXISTING 4 CULTTEC MODEL 280 STORMWATER CHAMBER UNITS ENCASED IN GRAVEL

EXISTING 6' X 6.5' X 2.67'D MASONRY CONTROL STRUCTURE

EXISTING ROOF DRAINS TO CONNECT TO CONTROL STRUCTURE

EXISTING 8' LONG X 12" WIDE X 12" DEEP GRAVEL DISCHARGE TRENCH WITH FABRIC AND TOPSOIL COVER

EXISTING 4" SOLID PVC DISCHARGE PIPE INVERT ELEV. = 531.37

EXISTING 6' X 6.5' X 2.67'D MASONRY CONTROL STRUCTURE

EXISTING GRAVEL INFILTRATOR 30' LONG

PROPOSED NYOPLAST STRUCTURE WITH INTERNAL WEIR AT ELEV. 527.5
RIM= 530.0
INV= 525.0

12" HDPE DRAINAGE PIPE INV. IN= 528.0
L= 17' S= 12%

PROPOSED STORMTECH 740 SC STORMWATER RECHARGERS 33 CHAMBERS INV. ELEV. 525.0
MANUFACTURER SHOP DRAWINGS TO BE PROVIDED PRIOR TO CONSTRUCTION FOR APPROVAL

SURFACE SWALE ABOVE WALL TO DIRECT DRAINAGE TO DRAIN INLET

PROP. 1000 GAL. HDPE OVERFLOW TANK

PROP. SEWAGE EJECTOR PUMP TANK

NOTE:
A DESIGN FOR THE EJECTOR PUMP SYSTEM TO BE SUBMITTED TO THE TOWN ENGINEER DURING BUILDING PERMIT APPLICATION

PROPOSED 4" Ø PVC SDR 35 SANITARY SEWER L=10' S=2.0% MIN.

PROPOSED PVC LOW PRESSURE SEWER FORCEMAIN FROM EJECTOR PUMP SYSTEM TO BE REVIEWED BY TYHE TOWN ENGINEER AT TIME OF BUILDING PERMIT

EXIST. SANITARY SEWER MANHOLE RIM 562.00 +/- INV 557.5 +/-

EXISTING 8" SEWER MAIN

PROPOSED 4" Ø SDR 35 PVC SEWER SERVICE CONNECTION WITH LOW PRESSURE FORCEMAIN SEWER SERVICE. CLEANOUT AND CHECK VALVE TO BE PROVIDED. INV 558.5

EXISTING 10' LONG X 12" WIDE X 12" DEEP GRAVEL DISCHARGE TRENCH WITH FABRIC AND TOPSOIL COVER

EXISTING 6" SOLID PVC DISCHARGE PIPE INLET INV. = 531.33

3' WIDE RIP-RAP LEVEL SPREADER OVER INFILTRATION TRENCH INV. ELEV. 519.0

4" SOLID PVC OVERFLOW PIPE INV. ELEV. 528.0

TW 540.0 BW 538.0

DRAIN INLET #2 RIM= 539.0 INV IN= 536.0 INV OUT= 532.0

12" HDPE DRAINAGE PIPE L= 44' S= 23%

DRAIN INLET #1 RIM= 555.0 INV IN= 549.0 INV OUT= 548.8

LOCAL LOW POINT TO CHANNEL STORMWATER INTO DRAIN INLET

12" HDPE DRAINAGE PIPE L= 70' S= 8.6%

EXISTING CATCH BASIN

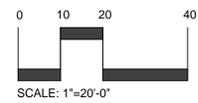
PROPOSED WATER SERVICE (TYP.)

CUT AND FILL VOLUMES

| DESIGNATION: | VOLUME |
|--------------|-----------|
| CUT: | 66 CY. |
| FILL: | 1,344 CY. |
| NET (FILL): | 1,278 CY. |

LEGEND

- 222--- EXISTING GRADING
- X222.8 EXISTING SPOT GRADE
- 200--- PROPOSED GRADING
- --- PROPERTY LINE / RIGHT OF WAY
- --- PROPOSED DRIVEWAY CENTERLINE
- --- PROPOSED CURB
- --- EXISTING STONE WALL
- --- EXISTING WATER LINE
- --- EXISTING FIRE HYDRANT
- --- EXISTING SANITARY LINE
- --- EXISTING DRAINAGE INLET
- --- PROPOSED DRAINAGE LINE
- --- PROPOSED DRAIN INLET
- --- PROPOSED LOW PRESSURE SEWER
- --- PROPOSED WATER SERVICE CONNECTION
- --- PROPOSED SEWER SERVICE CONNECTION
- --- PROPOSED FOOTING DRAIN
- --- PROPOSED ROOF DRAIN
- --- PROPOSED UNDERGROUND ELECTRIC SERVICE
- --- EXISTING RETAINING WALLS
- --- PROPOSED RETAINING WALLS



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Engineer:
Joseph P. Fiore, P.E.
NYS Lic. No. 64431

| Revisions: | No. | Date | Comments |
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SCALE: 1" = 20'

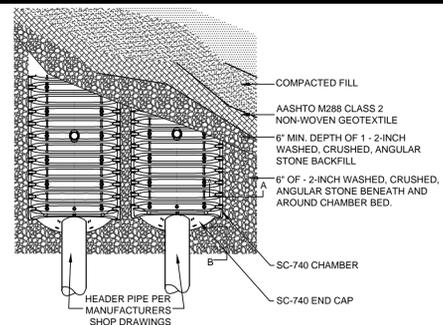
DRAWN BY: JCR

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IMPROVEMENT PLAN

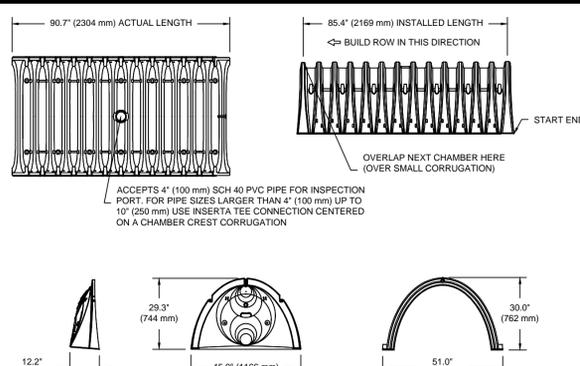
PROPOSED SUBDIVISION PREPARED FOR
FRANK FIORE
2797 CARR COURT
Town Of Yorktown Westchester Co., New York

Sheet 5 of 8



NOTES:

- All design specifications for Stormtech SC-740 chambers shall be in accordance with the Stormtech design manual.
- The installation of Stormtech SC-740 chambers shall be in accordance with the latest Stormtech installation instructions.
- The contractor is advised to review and understand the installation instructions prior to beginning system installation. Call 1-888-892-2694 or visit www.stormtech.com to receive a copy of the latest Stormtech installation instructions.
- Chambers shall meet the design requirements and load factors specified in Section 12.12 of the latest edition of the AASHTO LRFD bridge design specifications



NOMINAL CHAMBER SPECIFICATIONS

| SIZE (W X H X INSTALLED LENGTH) | 51.0" X 30.0" X 85.4" | (1295 mm X 762 mm X 2169 mm) |
|---------------------------------|--|------------------------------|
| CHAMBER STORAGE | 45.9 CUBIC FEET (1.30 m ³) | |
| MINIMUM INSTALLED STORAGE* | 74.9 CUBIC FEET (2.12 m ³) | |
| WEIGHT | 75.0 lbs. (33.6 kg) | |

*ASSUMES 6" (152 mm) STONE ABOVE, BELOW, AND BETWEEN CHAMBERS

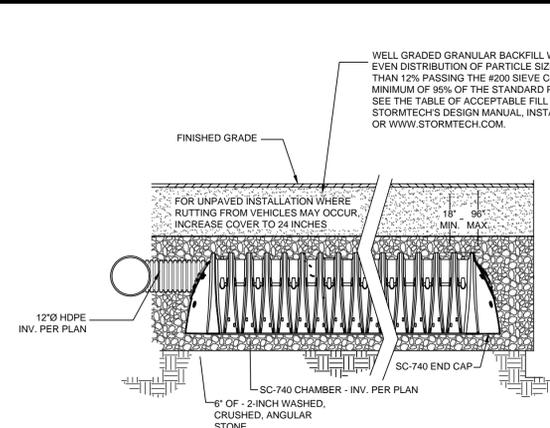
STUBS AT BOTTOM OF END CAP FOR PART NUMBERS ENDING WITH 'B'
STUBS AT TOP OF END CAP FOR PART NUMBERS ENDING WITH 'T'

| PART # | STUB | A | B | C |
|-----------------------------|--------------|----------------|----------------|--------------|
| SC740EPE06T / SC740EPE06BPC | 6" (150 mm) | 10.9" (277 mm) | 18.5" (470 mm) | --- |
| SC740EPE08T / SC740EPE08BPC | 8" (200 mm) | 12.2" (310 mm) | 16.5" (419 mm) | 0.5" (13 mm) |
| SC740EPE10T / SC740EPE10BPC | 10" (250 mm) | 13.4" (340 mm) | 14.5" (368 mm) | 0.6" (15 mm) |
| SC740EPE12T / SC740EPE12BPC | 12" (300 mm) | 14.7" (373 mm) | 12.5" (318 mm) | 0.7" (18 mm) |
| SC740EPE15T / SC740EPE15BPC | 15" (375 mm) | 18.4" (467 mm) | 9.0" (229 mm) | 1.2" (30 mm) |
| SC740EPE18T / SC740EPE18BPC | 18" (450 mm) | 19.7" (500 mm) | 5.0" (127 mm) | 1.3" (33 mm) |
| SC740EPE24B | 24" (600 mm) | 18.5" (470 mm) | --- | 1.6" (41 mm) |

ALL STUBS, EXCEPT FOR THE SC740EPE24B ARE PLACED AT BOTTOM OF END CAP SUCH THAT THE OUTSIDE DIAMETER OF THE STUB IS FLUSH WITH THE BOTTOM OF THE END CAP. FOR ADDITIONAL INFORMATION CONTACT STORMTECH AT 1-888-892-2694.

* FOR THE SC740EPE24B THE 24" (600 mm) STUB LIES BELOW THE BOTTOM OF THE END CAP APPROXIMATELY 1.75" (44 mm). BACKFILL MATERIAL SHOULD BE REMOVED FROM BELOW THE N-12 STUB SO THAT THE FITTING SITS LEVEL.

NOTE: ALL DIMENSIONS ARE NOMINAL



SWM-1

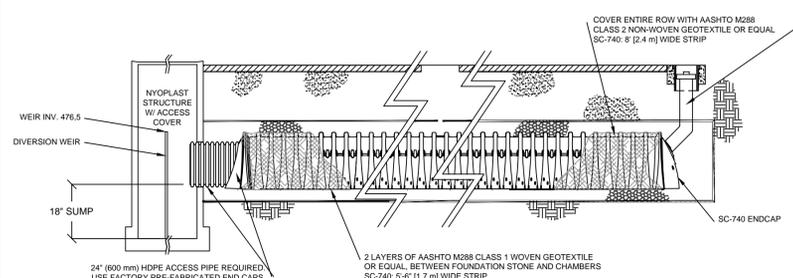
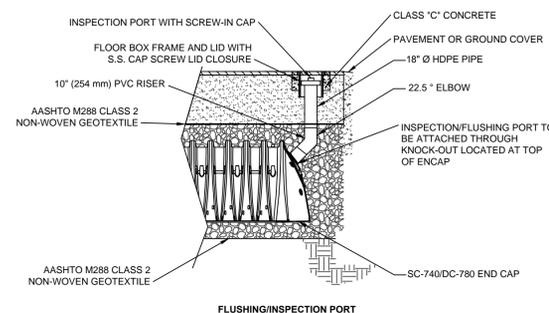
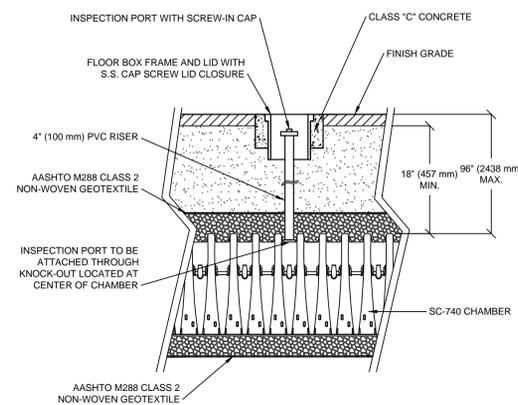
STORMTECH SC-740 CHAMBER SYSTEM PLAN VIEW DETAIL
NOT TO SCALE

SWM-2

STORMTECH SC-740 CHAMBER DETAIL
NOT TO SCALE

SWM-3

STORMTECH SC-740 CHAMBER SYSTEM INLET/OUTLET DETAIL
NOT TO SCALE



- INSPECTION & MAINTENANCE**
- STEP 1: INSPECT ISOLATOR ROW FOR SEDIMENT
- INSPECTION PORTS (IF PRESENT)
 - REMOVE OPEN LID ON NYOPLAST FRAME DRAIN
 - REMOVE AND CLEAN NYOPLAST FILTER IF INSTALLED
 - LOWER A CAMERA INTO ISOLATOR ROW FOR VISUAL INSPECTION OF SEDIMENT LEVELS (OPTIONAL)
 - IF SEDIMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 2. IF NOT, PROCEED TO STEP 3.
- STEP 2: CLEAN OUT ISOLATOR ROW USING THE JETVAC PROCESS
- IF STRUCTURE SHALL BE REMOVED
 - REMOVE COVER FROM STRUCTURE AT UPSTREAM END OF ISOLATOR ROW
 - USING A FLASHLIGHT INSPECT DOWN THE ISOLATOR ROW THROUGH OUTLET PIPE
 - IF SEDIMENT ON FLOOR OR CHAMBER MAY BE USED TO AVOID A COMPACTED GRADE ENTRY
 - FOLLOW OSHA REGULATIONS FOR CONFINED SPACE ENTRY IF ENTERING MANHOLE
 - IF SEDIMENT IS AT OR ABOVE 3" (80 mm) PROCEED TO STEP 3. IF NOT, PROCEED TO STEP 4.
- STEP 3: REPLACE ALL COVERS, GRATES, FILTERS, AND LIDS. RECORD OBSERVATIONS AND ACTIONS.
- STEP 4: INSPECT AND CLEAN BASINS AND MANHOLES UPSTREAM OF THE STORMTECH SYSTEM.
- NOTES**
- INSPECT EVERY 6 MONTHS DURING THE FIRST YEAR OF OPERATION. ADJUST THE INSPECTION INTERVAL BASED ON PREVIOUS OBSERVATIONS OF SEDIMENT ACCUMULATION AND HIGH WATER ELEVATIONS.
 - CONDUCT JETTING AND VACUUMING ANNUALLY OR WHEN INSPECTION SHOWS THAT MAINTENANCE IS NECESSARY.

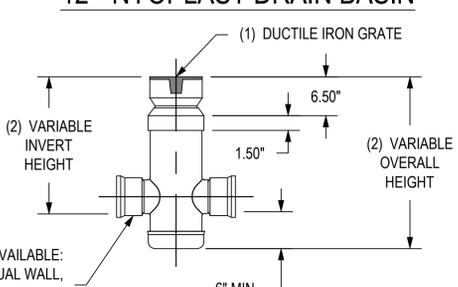
SWM-4

STORMTECH SC-740 INSPECTION/ FLUSHING PORT DETAIL

SWM-5

STORMTECH SC-740 CHAMBER DETENTION ISOLATOR ROW DETAIL
NOT TO SCALE

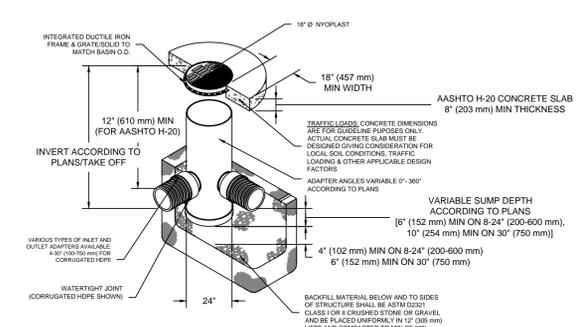
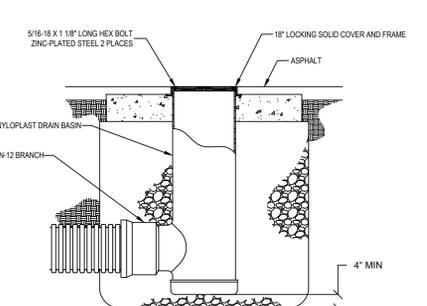
12" NYOPLAST DRAIN BASIN



(3,4) VARIOUS TYPES OF INLET & OUTLET ADAPTERS AVAILABLE:
4" - 8" FOR CORRUGATED HDPE (ADS N-12/HANCOR DUAL WALL, ADS/HANCOR SINGLE WALL), PVC SEWER (EX: SDR 35), PVC DWV

- GRATES/SOLID COVER SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05, WITH THE EXCEPTION OF THE BRONZE GRATE.
- CUSTOM DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS. RISERS ARE NEEDED FOR BASINS OVER 84" DUE TO SHIPPING RESTRICTIONS. SEE DRAWING NO. 7001-110-065
- DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
- STANDARD DRAIN BASIN HAS FIXED ADAPTER LOCATIONS OF 0° & 180°. CUSTOM DRAIN BASIN ADAPTERS CAN BE MOUNTED ON ANY ANGLE 0° TO 360°. TO DETERMINE MINIMUM ANGLE BETWEEN ADAPTERS SEE DRAWING NO. 7001-110-012.
- DIMENSIONS ARE FOR REFERENCE ONLY. ACTUAL DIMENSIONS MAY VARY

NOTE: THE BUILDER SHALL OBTAIN SHOP DRAWINGS FROM THE STORMWATER SYSTEM MANUFACTURER FOR APPROVAL BY THE DESIGN ENGINEER. THE DESIGN ENGINEER WILL PROVIDE THE MANUFACTURER WITH DESIGN PARAMETERS IF REQUIRED.



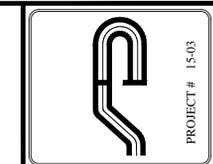
- NOTES**
- 8-30" (203-760 mm) GRATES/SOLID COVERS SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
 - 12-30" (300-750 mm) FRAMES SHALL BE DUCTILE IRON PER ASTM A536 GRADE 70-50-05
 - DRAIN BASIN TO BE CUSTOM MANUFACTURED ACCORDING TO PLAN DETAILS
 - DRAINAGE CONNECTION STUB JOINT TIGHTNESS SHALL CONFORM TO ASTM D3212 FOR CORRUGATED HDPE (ADS & HANCOR DUAL WALL) & SDR 35 PVC
 - FOR COMPLETE DESIGN AND PRODUCT INFORMATION: WWW.NYOPLAST-US.COM
 - TO ORDER CALL: 800-821-8716

D-6

12" NYOPLAST DRAIN BASIN

D-7

NYOPLAST DRAINAGE BASIN DETAIL
NOT TO SCALE



Site Design Consultants
Civil Engineers • Land Planners
251-F Underhill Avenue, Yorktown Heights, NY 10598
(914) 962-4488 - Fax: (914) 962-7386
www.sitedesignconsultants.com



Revisions:

| No. | Date | Comments |
|-----|---------|---------------------|
| 1. | 1/31/18 | Town Comm. |
| 2. | 1/28/19 | Town Comm. |
| 3. | 2-12-19 | Town Engineer Comm. |
| 4. | 3-13-19 | Town Engineer Comm. |

SCALE: 1" = 20'
DRAWN BY: JCR
DATE: 2/2/18

STORMWATER MANAGEMENT DETAILS

PROPOSED SUBDIVISION PREPARED FOR
FRANK FIORE
2797 CARR COURT
Westchester County, NY
Town of Yorktown