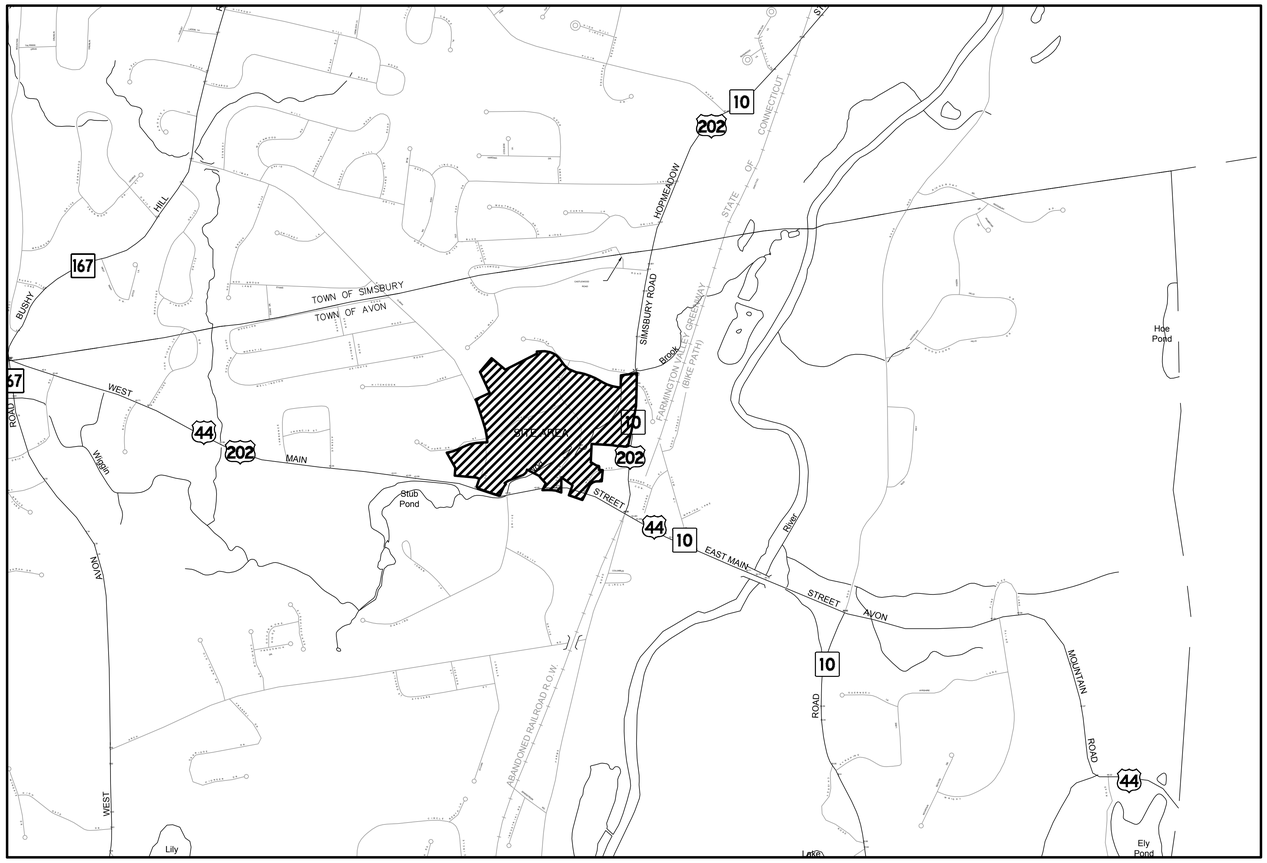
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AVON VILLAGE CENTER

AVON, CONNECTICUT

DATE: MAY 16, 2018



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PHONE: 860-673-0444

VOLUME: 1 OF 2

SITE CIVIL, LANDSCAPE, GENERAL

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AVON, CONNECTICUT

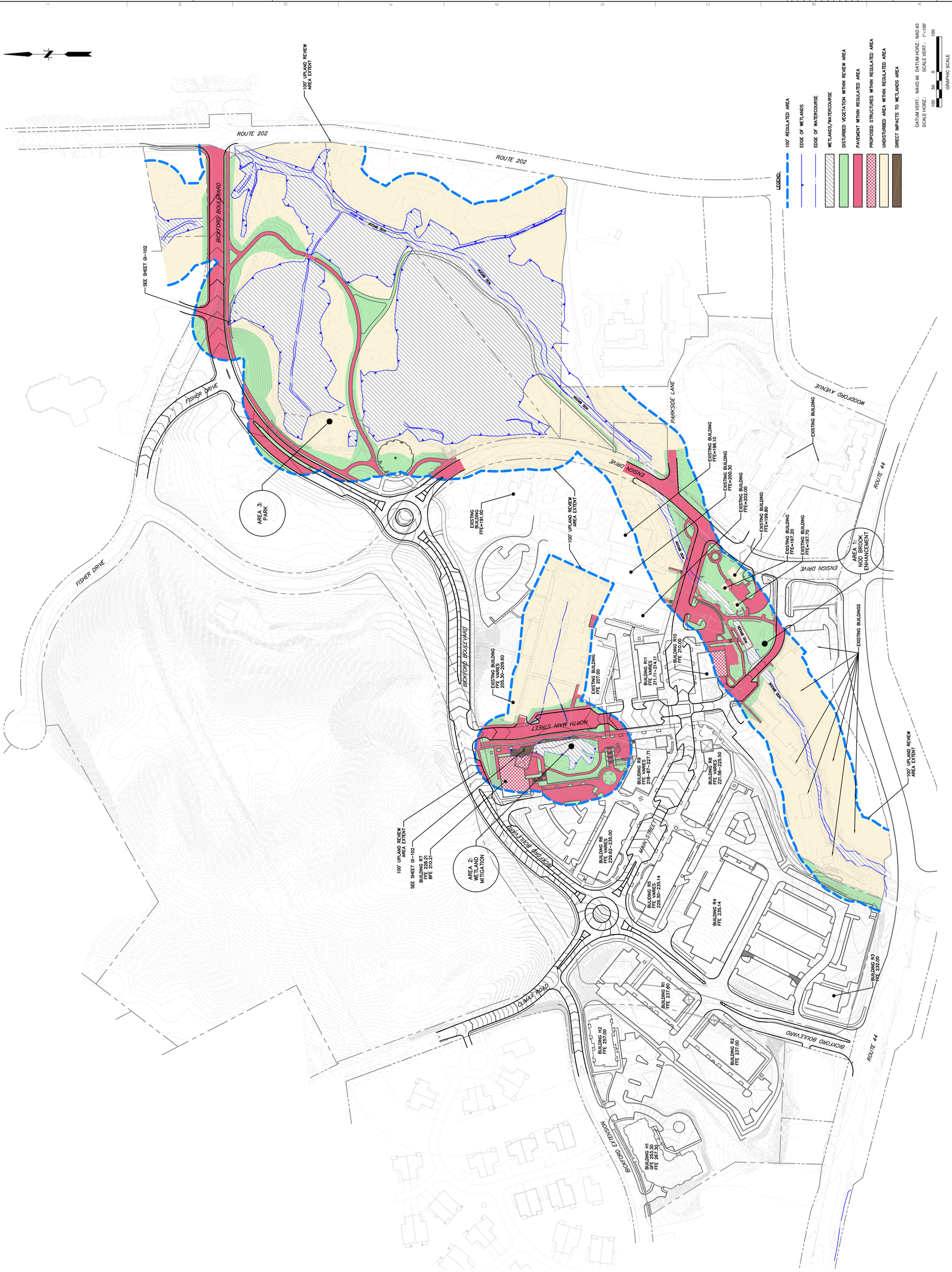
AVON VILLAGE CENTER
PHASE ONE

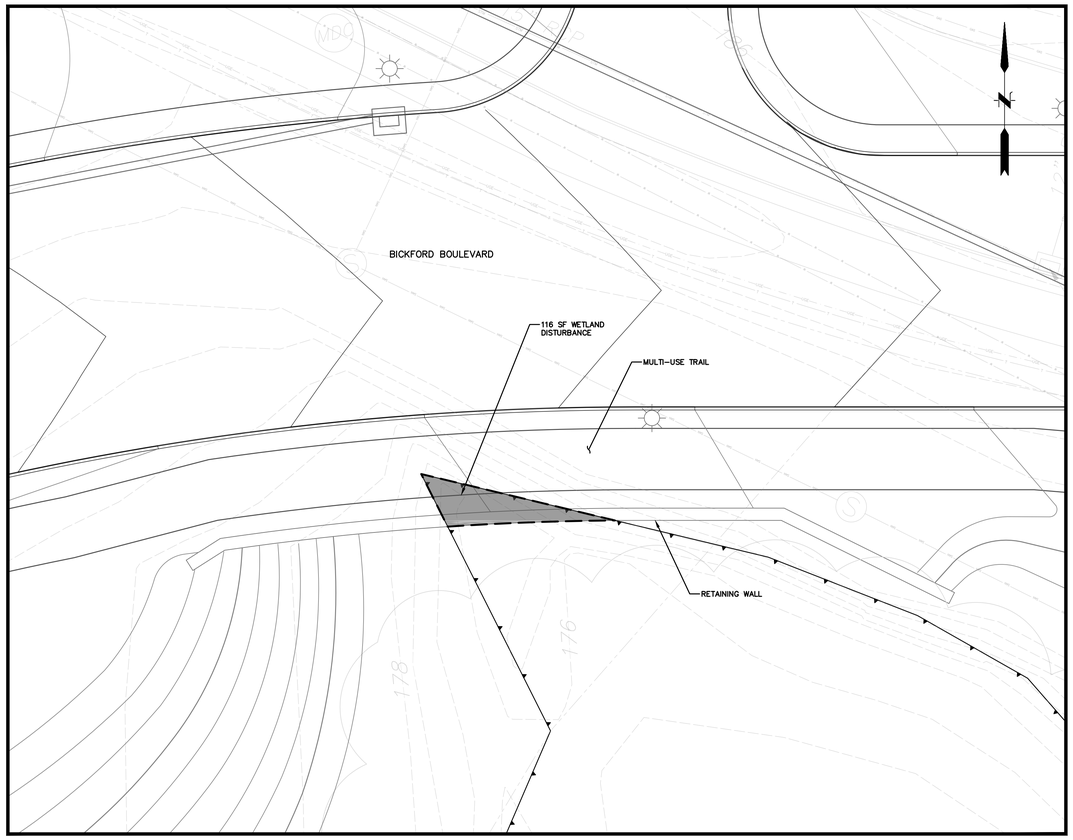
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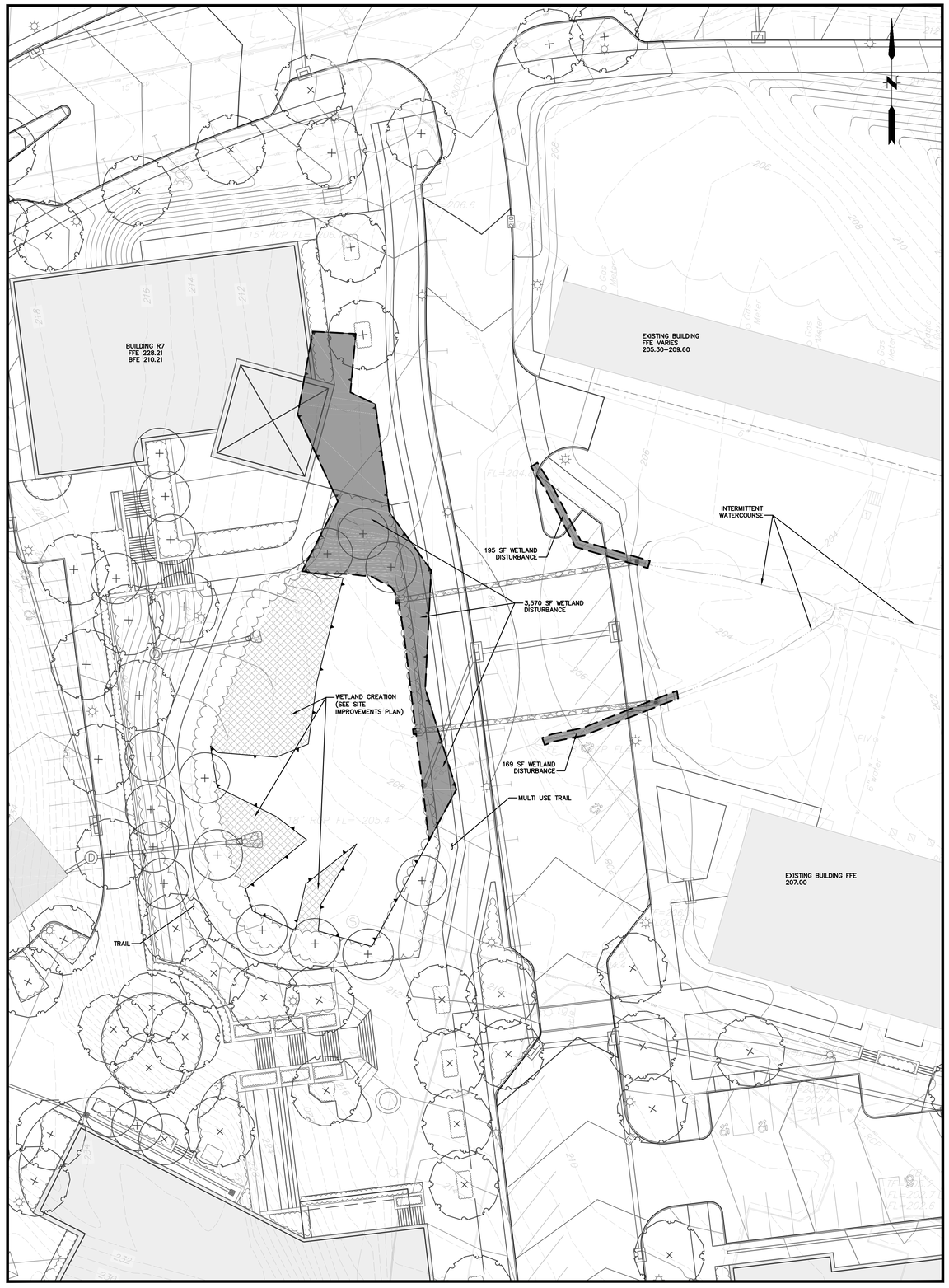
SHEET TITLE
REGULATED ACTIVITY PLAN

GI-101





BICKFORD BOULEVARD WETLAND IMPACT
1"=10'



WETLAND GARDEN IMPACT
1"=20'

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: AS NOTED

0
GRAPHIC SCALE

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PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

PROJECT NO: 2014 0986.S10
CAD FILE: 20140986S10_WET01_Phase 1.dwg
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SHEET TITLE
DIRECT WETLAND IMPACT PLAN

GI-102

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NOTES:

1. EXISTING FLOOD LINES DEPICTED ON THIS PLAN TAKEN FROM FEMA NFIP INSURANCE RATE MAP HARTFORD COUNTY, CONNECTICUT; MAP NUMBER 09003C0337F; EFFECTIVE DATE SEPTEMBER 26, 2008.
2. PROPOSED FLOOD LINES DEPICTED ON THIS PLAN TAKEN FROM "REQUEST FOR LETTER OF MAP REVISION; NOD BROOK AT AVON VILLAGE CENTER, AVON, CONNECTICUT" DATED MAY 18, 2018 PREPARED BY FUSS & O'NEILL, INC.
3. EXISTING AND PROPOSED 100-YEAR FLOOD LINE FOLLOWS FLOODWAY UNLESS OTHERWISE NOTED.
4. FLOOD LINES DEPICTED ON PROPOSED WORK PLANS REPRESENT PROPOSED FLOOD LINES SHOWN ON THIS PLAN.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: SCALE VERT.: 1"=100'

100 50 0 100
GRAPHIC SCALE

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PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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SHEET TITLE

FEMA REGULATORY MAP

GI-103

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CIVIL GENERAL NOTES

GENERAL

1. SYMBOLS AND LEGENDS OF PROJECT FEATURES ARE GRAPHIC REPRESENTATIONS AND ARE NOT NECESSARILY SHOWN ON THE DRAWINGS TO SCALE OR TO THEIR ACTUAL DIMENSION OR LOCATION. COORDINATE DETAIL SHEET DIMENSIONS, MANUFACTURERS' LITERATURE, SHOP DRAWINGS AND FIELD MEASUREMENTS OF SUPPLIED PRODUCTS FOR LAYOUT OF THE PROJECT FEATURES.
2. DO NOT RELY SOLELY ON ELECTRONIC VERSIONS OF DRAWINGS, SPECIFICATIONS, AND DATA FILES THAT ARE PROVIDED BY THE ENGINEER. FIELD VERIFY LOCATION OF PROJECT FEATURES.
3. PERFORM NECESSARY CONSTRUCTION NOTIFICATIONS, APPLY FOR AND OBTAIN NECESSARY PERMITS, PAY FEES, AND POST BONDS ASSOCIATED WITH THE WORK AS REQUIRED BY THE CONTRACT DOCUMENTS.
4. SEE ARCHITECTURAL DRAWINGS FOR DIMENSIONS OF BUILDINGS AND ADJACENT SITE ELEMENTS INCLUDING SIDEWALKS, RAMPS, BUILDING ENTRANCES, STAIRWAYS, UTILITY PENETRATIONS, CONCRETE DOOR PADS, COMPACTOR PAD, LOADING DOCKS, BOLLARDS, ETC.
5. BASE PLAN: EXISTING CONDITIONS AND BOUNDARY INFORMATION DEPICTED ON THIS PLAN TAKEN FROM THE FOLLOWING MAPS PREPARED BY HODGE, LLC PROFESSIONAL LAND SURVEYORS & CIVIL ENGINEERS, 1783 FARMINGTON AVENUE, UNIONVILLE, CT 068085 TEL: 860.673.0444:
   - 5.1. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER LLC PARCEL 1300075/55 – BICKFORD DRIVE, AVON, CONNECTICUT" DRAWING 1 OF 1, DATE: 05–01–2018; SCALE: 1"=40'.
   - 5.2. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER LLC PARCEL 1300055/55 BICKFORD DRIVE, AVON, CONNECTICUT" DRAWING 1 OF 1, DATE: 05–01–2018; SCALE: 1"=50'.
   - 5.3. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER LLC PARCEL 2210016/16 ENSIGN DRIVE, AVON, CONNECTICUT" DRAWING 1 OF 1, DATE: 05–01–2018; SCALE: 1"=50'.
   - 5.4. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER LLC PARCEL 2210021/21 ENSIGN DRIVE, AVON, CONNECTICUT" DRAWING 1 OF 2, DATE: 05–01–2018; SCALE: 1"=40'.
   - 5.5. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER LLC PARCEL 12210021/21 ENSIGN DRIVE, AVON, CONNECTICUT" DRAWING 2 OF 1, DATE: 05–01–2018; SCALE: 1"=40'.
   - 5.6. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER III LLC PARCEL 2210065/65 ENSIGN DRIVE, AVON, CONNECTICUT" DRAWING 1 OF 4, DATE: 05–01–2018; SCALE: 1"=40'.
   - 5.7. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER III LLC PARCEL 2210065/65 ENSIGN DRIVE, AVON, CONNECTICUT" DRAWING 2 OF 4, DATE: 05–01–2018; SCALE: 1"=40'.
   - 5.8. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER III LLC PARCEL 2210065/65 ENSIGN DRIVE, AVON, CONNECTICUT" DRAWING 3 OF 4, DATE: 05–01–2018; SCALE: 1"=40'.
   - 5.9. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER III LLC PARCEL 2210065/65 ENSIGN DRIVE, AVON, CONNECTICUT" DRAWING 4 OF 4, DATE: 05–01–2018; SCALE: 1"=40'.
   - 5.10. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER III LLC PARCEL 2210070/70 ENSIGN DRIVE, AVON, CONNECTICUT" DRAWING 1 OF 4, DATE: 05–01–2018; SCALE: 1"=40'.
   - 5.11. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER II LLC PARCEL 3970093/93 SIMSBURY ROAD, AVON, CONNECTICUT" DRAWING 1 OF 4, DATE: 05–01–2018; SCALE: 1"=40'.
   - 5.12. "IMPROVEMENT LOCATION & TOPOGRAPHIC SURVEY PROPERTY OF AVON TOWN CENTER II LLC PARCEL 3970071/71 SIMSBURY ROAD ENSIGN DRIVE, AVON, CONNECTICUT" DRAWING 1 OF 4, DATE: 05–01–2018; SCALE: 1"=40'.
6. TOPOGRAPHIC ELEVATIONS ARE BASED ON HORIZONTAL NAD 83 DATUM AND VERTICAL NAVD 88 DATUM.
7. GEOTECHNICAL DATA INCLUDING TEST PIT AND BORING LOCATIONS AND ELEVATIONS WERE OBTAINED FROM (GZA GEOENVIRONMENTAL, INC.).
8. WETLANDS WERE DELINEATED BY HENRY MOELLER IN JULY 2000 AND REVISED IN 2012. JOSH WILSON, PWS VERIFIED AND RE–DELINEATED IN APRIL 2017.
9. THE SITE IS LOCATED IN THE "AVON VILLAGE CENTER" ZONE.

WORK RESTRICTIONS

1. DO NOT CLOSE OR OBSTRUCT ROADWAYS, SIDEWALKS, FIRE HYDRANTS, AND UTILITIES WITHOUT APPROPRIATE PERMITS.

REGULATORY REQUIREMENTS

1. WITHIN LOCAL RIGHTS–OF–WAY, PERFORM THE WORK IN ACCORDANCE WITH LOCAL MUNICIPAL STANDARDS.
2. WITHIN STATE RIGHTS–OF–WAY, PERFORM THE WORK IN ACCORDANCE WITH THE LATEST EDITION OF THE DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS AND ISSUED REVISIONS/SUPPLEMENTS.
3. PROVIDE TRAFFIC SIGNAGE AND PAVEMENT MARKINGS IN CONFORMANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES.
4. BE RESPONSIBLE FOR SITE SECURITY AND JOB SAFETY. PERFORM CONSTRUCTION ACTIVITIES IN ACCORDANCE WITH OSHA STANDARDS AND LOCAL REQUIREMENTS.
5. DISPOSE OF DEMOLITION DEBRIS IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE AND LOCAL REGULATIONS, ORDINANCES AND STATUTES.
6. THIS PROJECT DISTURBS MORE THAN ONE ACRE OF LAND AND FALLS WITHIN THE CONNECTICUT DEEP STORMWATER AND DEWATERING WASTEWATER FROM CONSTRUCTION ACTIVITIES GENERAL PERMIT PROCESS. A COPY OF THIS GENERAL PERMIT SHALL BE KEPT ON SITE AT ALL TIMES.

EROSION & SEDIMENT CONTROL NOTES

1. CONSTRUCTION STANDARDS – CONSTRUCT ALL EROSION AND SEDIMENT CONTROL MEASURES IN ACCORDANCE WITH THE STANDARDS AND SPECIFICATIONS OF THE MOST RECENT EDITION OF THE "CONNECTICUT GUIDELINES FOR SOIL EROSION AND SEDIMENT CONTROL" (CT DEEP BULLETIN 34). ALL MEASURES SHALL BE MAINTAINED AND UPGRADED TO ACHIEVE PROPER SEDIMENT CONTROL DURING CONSTRUCTION.
2. PLAN IMPLEMENTATION – IMPLEMENT THIS EROSION AND SEDIMENT CONTROL PLAN. THIS IMPLEMENTATION INCLUDES THE INSTALLATION AND MAINTENANCE OF CONTROL MEASURES UNTIL PERMANENT STABILIZATION IS ACHIEVED, INFORMING ALL SUBCONTRACTORS OF THE REQUIREMENTS AND OBJECTIVES OF THE PLAN, AND NOTIFYING THE PROPER MUNICIPAL AGENCY OF ANY TRANSFER OF THIS RESPONSIBILITY. THE OWNER SHALL BE RESPONSIBLE FOR CONVEYING A COPY OF THE EROSION AND SEDIMENT CONTROL PLAN TO THE NEW OWNER IF THE TITLE OF THE LAND IS TRANSFERRED PRIOR TO ACHIEVING PERMANENT STABILIZATION.
3. INSTALLATION SCHEDULE – INSTALL THE CONSTRUCTION ENTRANCE BEFORE CONSTRUCTION TRAFFIC INTO AND OUT OF THE PROJECT AREA BEGINS. INSTALL EROSION AND SEDIMENT CONTROL MEASURES PRIOR TO STUMP REMOVAL AND CONSTRUCTION. INSTALL ADDITIONAL CONTROL MEASURES DURING THE CONSTRUCTION PERIOD, IF DEEMED NECESSARY BY THE OWNER, HIS AGENTS OR AGENTS OF THE MUNICIPALITY.
4. FUGITIVE DUST – CONTROL FUGITIVE DUST USING WATER SPRAYS OR CALCIUM CHLORIDE ON SOIL SURFACES, SWEEPING PAVED AREAS, TEMPORARY WINDBREAKS OR NON–ASPHALTIC SOIL TACKIFIERS.
5. STRAW BALE LIFE SPAN – INSTALL STRAW BALES WHERE PROTECTION AND EFFECTIVENESS IS REQUIRED FOR LESS THAN 90 DAYS. OTHERWISE, INSTALL SILT FENCE OR SILT SOXX.
6. CATCH BASINS – PROTECT CATCH BASINS WITH PROPER CONTROLS WITHIN AND ADJACENT TO THE PROJECT LIMITS THROUGHOUT THE CONSTRUCTION PERIOD UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED.
7. STOCKPILES – ENCIRCLE STOCKPILES OF ERODIBLE SOIL WITH A STRAW BALE OR SILT FENCE BARRIER. THE SIDE SLOPES OF ERODIBLE STOCKPILED MATERIAL SHALL BE NO STEEPER THAN 2:1. STOCKPILES THAT ARE NOT TO BE USED WITHIN 30 DAYS SHALL BE SEEDED AND MULCHED IMMEDIATELY AFTER THEY ARE FORMED.
8. TOE OF SLOPE – ESTABLISH AN EROSION CONTROL BARRIER (SILT FENCE OR STRAW BALE BARRIER) APPROXIMATELY 5 TO 10 FEET FROM THE PROPOSED TOE OF THE CUT OR FILL AREA PRIOR TO BEGINNING EARTHWORK.
9. SEDIMENT REMOVAL – SEDIMENT REACHING ½ THE HEIGHT OF THE EROSION CONTROL BARRIER SHALL BE REMOVED. REMOVE AND DISPOSE OF SEDIMENT IN A MANNER CONSISTENT WITH THE INTENT OF THE PLAN.
10. SOIL STABILIZATION SCHEDULE – APPLY PERMANENT SOIL STABILIZATION MEASURES TO ALL GRADED AREAS WITHIN 7 DAYS OF ESTABLISHING FINAL GRADE. APPLY TEMPORARY SOIL STABILIZATION MEASURES IF FINAL GRADING IS TO BE DELAYED MORE THAN 30 DAYS.
11. TEMPORARY SEEDING – TEMPORARILY SEED ERODIBLE SOILS THAT WILL BE EXPOSED GREATER THAN 1 BUT LESS THAN 12 MONTHS WITHIN THE FIRST 7 DAYS OF SUSPENDING GRADING OPERATIONS. APPLY LIME AT A RATE OF 90 LBS/1000 SQ. FT. APPLY 10–10–10 FERTILIZER AT A RATE OF 7 ½ LBS/1000 SQ. FT. APPLY PERENNIAL RYE GRASS AT A RATE OF 2 LBS/1000 SQ. FT. TO A DEPTH OF ½ INCH. OPTIMUM SEEDING DATES ARE MARCH 15 TO JULY 1 AND AUGUST 1 TO OCTOBER 15. MULCH FOR SEED APPLIED WITHIN THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 80%–95% SOIL COVERAGE. MULCH FOR SEED APPLIED OUTSIDE OF THE OPTIMUM SEEDING DATES SHALL BE APPLIED EVENLY SUCH THAT IT PROVIDES 95%–100% COVERAGE.
12. PERMANENT SEEDING – SEED PERMANENT LAWN AREAS IN ACCORDANCE WITH THE SPECIFICATIONS.
13. INSPECTION – THE OWNER SHALL SECURE THE SERVICES OF A SOIL SCIENTIST OR PROFESSIONAL ENGINEER TO VERIFY IN THE FIELD THAT THE CONTROLS REQUIRED BY THIS PLAN ARE PROPERLY INSTALLED AND MAINTAINED. THESE INSPECTIONS SHALL BE NOT LESS FREQUENTLY THAN WEEKLY AND WITHIN 24 HOURS OF THE END OF A STORM HAVING A RAINFALL AMOUNT OF 0.1 INCH OR GREATER. FOLLOWING THESE INSPECTIONS, A WRITTEN REPORT SHALL BE PREPARED, INFORMING THE OWNER OR HIS AGENT NOT LESS FREQUENTLY THAN WEEKLY AND THE MUNICIPALITY NOT LESS FREQUENTLY THAN MONTHLY OF OBSERVATIONS, MAINTENANCE, AND CORRECTIVE ACTIVITIES UNDERTAKEN.

GENERAL CONSTRUCTION SEQUENCE FOR EACH STAGE:

CONSTRUCTION IS A DYNAMIC OPERATION SIGNIFICANTLY AFFECTED BY WEATHER AND UNANTICIPATED CONDITIONS. THEREFORE, THE LAYOUT OF EROSION AND SEDIMENT CONTROLS SHOWN ON THESE PLANS WILL LIKELY BE MODIFIED TO BEST MANAGE CHANGING FIELD CONDITIONS, ESPECIALLY FORECASTED INCLEMENT WEATHER. THE 2002 CONNECTICUT GUIDELINES FOR SOIL AND SEDIMENT CONTROL RECOGNIZE THIS. THE OWNER SHALL WORK IN CONCERT WITH THE ENGINEER, GENERAL CONTRACTOR, AND REGULATORY AGENCIES TO INSURE THAT THE INTENT OF THE GUIDELINES IS MET UNTIL ALL AREAS ARE PERMANENTLY STABILIZED.

THE FOLLOWING IS A GENERAL SEQUENCE OF MAJOR CONSTRUCTION OPERATIONS FOR EACH CONSTRUCTION STAGE. REFER TO MPT–## SHEETS.

1. PROVIDE EROSION AND SEDIMENT CONTROLS AS FOLLOWS AND IN THIS ORDER:
   - 1.1. AT EDGES AND IMMEDIATELY ADJACENT TO WATERCOURSES PRIOR TO CLEARING AND GRUBBING. ANY IN–STREAM WORK SHALL OCCUR ONLY DURING LOW–FLOW PERIODS, TYPICALLY JULY AND AUGUST, OR FORECASTED DRY PERIODS DURING WHICH THE WATERCOURSE IS AT LOW FLOW.
   - 1.2. LAYDOWN/STAGING AREA
   - 1.3. REMAINING WORK AREAS IN ACCORDANCE WITH CONSTRUCTION PHASING.
2. STOCKPILE MATERIALS ABOVE THE FEMA 100–YEAR FLOOD ELEVATION.
3. ALL CHEMICAL AND PETROLEUM CONTAINERS STORED ON THE SITE (EXCLUDING THOSE CONTAINED WITHIN VEHICLES AND EQUIPMENT) SHALL BE PROVIDED WITH IMPERMEABLE CONTAINMENT WHICH WILL HOLD AT LEAST 110% OF THE VOLUME OF THE LARGEST CONTAINER, OR 10% THE TOTAL VOLUME OF ALL CONTAINERS IN THE AREA, WHICHEVER IS LARGER, WITHOUT OVERFLOW FROM THE CONTAINMENT AREA. ALL CHEMICALS AND THEIR CONTAINERS SHALL BE STORED UNDER A ROOFED AREA. CONTAINERS OF 100 GALLON CAPACITY OR MORE MAY BE STORED WITHOUT A ROOF ONLY IF STORED IN A DOUBLE–WALLED TANK. ROOFED STORAGE AREAS ARE TO BE OUTSIDE RIPARIAN BUFFER ZONE. ON–SITE VEHICLES SHALL BE MONITORED FOR LEAKS AND RECEIVE MAINTENANCE AS NEEDED. FUELING OPERATIONS SHALL TAKE PLACE OUTSIDE RIPARIAN BUFFER ZONES.
4. BEGIN GENERAL EARTHWORK INCLUDING BUILDING DEMOLITION, STORM SEWER IMPROVEMENTS BEGINNING AT OUTFALLS AND WORKING UPSLOPE, AND UNDERGROUND ACTIVITIES.
5. EXCAVATE FOR BUILDING AND INSTALL FOUNDATIONS AND RETAINING WALLS.
6. GRADE SITE TO SUBGRADE.
7. ADJUST SEDIMENT TRAP LOCATIONS, ELEVATIONS, AND DISCHARGE POINTS AS REQUIRED DURING CONSTRUCTION.
8. INSTALL REMAINING STORM SEWER SYSTEMS AND OTHER UNDERGROUND UTILITIES.
9. PERFORM FINAL GRADING OPERATIONS AND INSTALL CONCRETE WALKS, BITUMINOUS CONCRETE PAVEMENTS, AND OTHER HARDSCAPED SURFACES.
10. INSTALL LANDSCAPING AND STABILIZE ALL REMAINING DISTURBED AREAS.
11. INSTALL REMAINING SITE FEATURES (LIGHT POLES, RAILINGS, FENCES, ETC.)
12. REMOVE ANY TEMPORARY CONTROL MEASURES AND ANY ACCUMULATED SEDIMENT FROM PERMANENT STRUCTURES.
13. REFER TO STAGING PLANS FOR SEQUENCE DETAILS SPECIFIC TO EACH PHASE.

GENERAL CONSTRUCTION SEQUENCE FOR WORK ADJACENT TO WETLANDS AND WATERCOURSES:

1. THE WORK ASSOCIATED WITH THIS PROJECT OCCURS WITHIN THE VICINITY OF EXISTING WETLANDS AND WATERCOURSES. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INFORM THEIR SUB–CONTRACTORS AND EMPLOYEES OF THE SENSITIVE NATURE OF THIS PROJECT AND FOLLOW BEST MANAGEMENT PRACTICES (BMP'S) TO PREVENT AND MINIMIZE DISTURBANCE TO THE EXISTING NATURAL RESOURCES OF THE SITE INCLUDING BUT NOT LIMITED TO STATE AND FEDERAL WETLANDS, WATERCOURSES, EXISTING VEGETATION, AND EXISTING WILDLIFE.
2. THE OWNER SHALL PROVIDE A REPRESENTATIVE TO ADMINISTER THE PROJECT. DUTIES SHALL INCLUDE CONSTRUCTION COORDINATION, MONITORING WORK ADJACENT TO AND IN WETLANDS AND WATERCOURSES (WHERE SHOWN), AND EROSION AND SEDIMENT CONTROL INSPECTIONS REQUIRED BY THE CT DEEP STORMWATER AND DEWATERING WASTEWATER FROM CONSTRUCTION ACTIVITIES FEDERAL PERMIT AND LOCAL REGULATORY AUTHORITIES.
3. THE WETLANDS AND WATERCOURSES SHALL NOT BE DISTURBED EXPECT WHERE SHOWN ON THE PLANS. COORDINATE WITH THE REPRESENTATIVE AT LEAST 24 HOURS PRIOR TO PERFORMING WORK IN (WHERE PERMITTED) OR WITHIN 50 FEET OF THESE AREAS.
4. THE CT DEEP GENERAL PERMIT FOR THIS PROJECT REQUIRES THAT REGULAR TURBIDITY MONITORING OF STORMWATER DISCHARGE POINTS, OR POINTS DOWN–GRADIENT WHEN NO POINT SOURCE DISCHARGE IS PRESENT, BE PERFORMED BY A QUALIFIED PROFESSIONAL. RESULTS ARE ANALYZED AND REPORTED TO DEEP. MEASURES TO ADDRESS ABNORMAL RESULTS WILL BE PERFORMED BY THE CONTRACTOR IMMEDIATELY AFTER COORDINATION WITH THE REPRESENTATIVE
5. PERFORM PERMITTED IN–STREAM WORK ONLY DURING PERIODS OF LOW FLOW. PERIODS OF LOW FLOW TYPICALLY OCCUR DURING JULY AND AUGUST. HOWEVER, LOW FLOW MAY OCCUR DURING OTHER TIMES OF THE YEAR, DEPENDING ON WEATHER CONDITIONS.
6. UTILIZE THE 'OUTSIDE–IN' METHODS OF CONSTRUCTION (WHERE PERMITTED) OR ADJACENT TO WETLANDS AND WATERCOURSES AS FOLLOWS:
   - 6.1. PROVIDE EROSION AND SEDIMENT CONTROL MEASURES.
   - 6.2. CONSTRUCT AND STABILIZE PROPOSED FEATURES CLOSEST TO OR IN THE WETLAND.
   - 6.3. CONSTRUCT AND STABILIZE REMAINING IMPROVEMENTS MOVING AWAY FROM THE WETLAND AS COMPLETED.
7. WHEN WORKING IMMEDIATELY ADJACENT TO WATERCOURSES (SUCH AS WORK ON STREAM BANKS), MECHANIZED EQUIPMENT SHALL WORK FROM AN AREA SUCH THAT THE WORK IS BETWEEN THE MACHINE AND THE WATERCOURSE. FOR EXAMPLE, FOR STREAM BANK WORK, PULL EXISTING MATERIAL TO BE REMOVED BACK TOWARD THE MACHINE, AWAY FROM THE WETLAND. PLACE PROPOSED MATERIAL IN THE SAME MANNER, STARTING CLOSEST TO THE WETLAND AND WORKING BACK TOWARD THE MACHINE. STABILIZE THE WORK AREA WHEN IT REACHES 75 FEET IN LENGTH OR LESS IF WEATHER OR OTHER CONDITIONS WARRANT.
8. CONSTRUCT FILL SLOPES WITH SOIL APPROVED BY THE REPRESENTATIVE IN 12 INCH LIFTS. COMPACT EACH LIFT TO 92% OF MAXIMUM DENSITY OR GREATER. CONSTRUCT ONLY THOSE SLOPES THAT CAN BE COMPLETED AND STABILIZED OR, IF SLOPE CONSTRUCTION IS IN PROGRESS, STABILIZED PRIOR TO THE NEXT FORECASTED RAIN EVENT.
9. WHERE EARTHWORK IS REQUIRED WITHIN THE AREA OF EXISTING STEEP SLOPES (33% OR GREATER), THE FOLLOWING METHODS SHALL BE EMPLOYED DURING CONSTRUCTION:
   - 9.1. INSTALL EROSION AND SEDIMENT CONTROLS AS DEPICTED ON THE PLANS.
   - 9.2. STRIP TOPSOIL FROM WORK AREA.
   - 9.3. PERFORM EARTHWORK.
     - 9.3.1. WHERE RETAINING WALLS ARE PROPOSED ADJACENT TO WETLANDS, INSTALL RETAINING WALLS PRIOR TO DISTURBING UPLAND SOILS TO PROVIDE ADDITIONAL ASSURANCE THAT SEDIMENT WILL NOT ENTER THE WETLAND OR WATERCOURSE.
     - 9.3.2. WHERE FILL IS REQUIRED, SCARIFY EXISTING GRADES AND BLEND FILL SOILS WITH EXISTING SOILS.
10. TO PREVENT FUGITIVE DUST FROM ENTERING THE WATERCOURSES, USE WATER FOR DUST CONTROL. APPLY WATER WITH A WATER TRUCK FOR IN–PLACE CONTROL. DEPLOY WATER CURTAIN FOR AIR–BORN DUST.

DEMOLITION

1. ALL WORK SHALL COMPLY WITH LOCAL BUILDING CODE REQUIREMENTS AND REGULATIONS.
2. ALL DEMOLITION AND REMOVAL WORK SHALL BE COMPLETED AS INDICATED, NOTED AND AS SPECIFIED HEREIN.
3. BEFORE STARTING WORK, MAKE A THOROUGH EXAMINATION OF THOSE PORTIONS OF THE STRUCTURE IN WHICH THE WORK IS TO BE PERFORMED. CHECK ALL THE WORK ADJOINING OR AT UNDERLYING LOCATION. REPORT TO THE ENGINEER ANY AND ALL CONDITIONS WHICH MAY INTERFERE WITH OR OTHERWISE AFFECT OR PREVENT THE PROPER EXECUTION AND COMPLETION OF THE WORK. DO NOT START THE WORK UNTIL SUCH CONDITIONS HAVE BEEN EXAMINED AND A COURSE OF ACTION IS MUTUALLY AGREED UPON.
4. PRIOR TO THE START OF THE DEMOLITION, THE CONTRACTOR SHALL CALL TO THE ATTENTION OF THE ENGINEER: ANY DAMAGE, CRACKS OR OTHER IMPERFECTIONS IN THE WORK ADJACENT TO THE DEMOLITION AREAS.
5. BEFORE STARTING DEMOLITION OPERATIONS, PROVIDE THE NECESSARY PROTECTIVE DEVICES, WHERE REQUIRED, AND IN STRICT ACCORDANCE WITH GOVERNING RULES AND REGULATIONS.
6. EXECUTE THE DEMOLITION IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO THE PUBLIC.
7. TAKE NECESSARY PRECAUTIONS TO PREVENT DUST AND DIRT FROM RISING BY WETTING DEMOLISHED DEBRIS. EXCESSIVE USE OF WATER WILL NOT BE PERMITTED.
8. KEEP ALL ADJOINING PUBLIC AREAS CLEAN DURING WORKING HOURS, AND MAKE AN EFFORT TO PROVIDE SAFE CONDITIONS FOR THE GENERAL PUBLIC AND WORKMEN.
9. DEMOLISHED MATERIALS, UNLESS OTHERWISE NOTED, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF THE SITE, ON A REGULAR BASIS, IN A LEGAL MANNER.
10. ERECT, MAINTAIN, AND WHEN NO LONGER NECESSARY, REMOVE PROTECTIVE BARRIERS. LIGHTING AND/OR SIGNAGE TO PROTECT THE PUBLIC AND WORKMEN.
11. REPAIR AND/OR REPLACE EXISTING ITEMS NOT SCHEDULED OR NOTED TO BE DEMOLISHED, AND NOT SPECIFIED TO BE REMOVED, BUT WHICH BECOME DAMAGED DURING THE PROGRESS OF THE WORK. MAKE ANY AND ALL SUCH REPAIRS, REPLACEMENTS AND MODIFICATIONS TO RESTORE THE DAMAGED ITEMS TO THEIR ORIGINAL CONDITIONS AT THE TIME OF THE DAMAGE, TO THE SATISFACTION OF AND AT NO ADDITIONAL COST TO THE OWNER.
12. PATCH, FILL AND REPAIR ALL SURFACES DISTURBED, CUT, DAMAGED, IN NEED OF OR MADE IMPERFECT BY ALTERATIONS OR REMOVAL WORK AND AS REQUIRED TO PREPARE FOR NEW MATERIALS AND ARRANGEMENTS.
13. PRIOR TO THE DEMOLITION OF THESE ITEMS WHICH HAVE UTILITY CONNECTIONS (WATER, GAS, ELECTRICITY, STEAM, ETC.) THE CONTRACTOR SHALL ARRANGE WITH THE OWNER TO LOCATE SHUTOFF VALVES, PANEL BOXES, AND OTHER CONTROL ELEMENTS, SO THAT WATER DAMAGE AND OTHER POTENTIALLY DANGEROUS SITUATIONS ARE AVOIDED.
14. THE AREA SHALL AT ALL TIMES BE LEFT FUNCTIONAL AND OPERATIONS.
15. THE CONTRACTOR SHALL COORDINATE DEMOLITION WORK SO AS TO MINIMIZE THE DISTURBANCE OF THE CLIENT AND THE CLIENT'S IMMEDIATE NEIGHBORS.
16. THE CONTRACTOR IS TO COORDINATE WITH THE CLIENT THE REMOVAL AND RELOCATION OF ITEMS THAT ARE THE CLIENT'S RESPONSIBILITY (I.E. PHONE LINE EQUIPMENT, SECURITY LINES, COMPUTER LINES, FILES, FURNITURE, ETC.)

CONSTRUCTION LAYOUT

1. PROVIDE PROPER TRANSITIONS BETWEEN EXISTING AND PROPOSED SITE IMPROVEMENTS. FIELD VERIFY EXISTING PAVEMENT AND GROUND ELEVATIONS AT THE INTERFACE WITH PROPOSED PAVEMENTS AND DRAINAGE STRUCTURES BEFORE START OF CONSTRUCTION.
2. PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, FIELD VERIFY PROPOSED UTILITY ROUTES AND IDENTIFY ANY INTERFERENCES OR OBSTRUCTIONS WITH EXISTING UTILITIES OR PUBLIC RIGHTS–OF–WAY.
3. IMMEDIATELY INFORM THE ENGINEER IN WRITING IF EXISTING UTILITY CONDITIONS CONFLICT OR DIFFER FROM THAT INDICATED AND IF THE WORK CANNOT BE COMPLETED AS INDICATED.
4. DIMENSIONS ARE FROM FACE OF CURB, FACE OF BUILDING, FACE OF WALL, AND CENTER LINE OF PAVEMENT MARKINGS, UNLESS NOTED OTHERWISE.
5. BOUNDS OR MONUMENTATION DISTURBED DURING CONSTRUCTION SHALL BE SET OR RESET BY A PROFESSIONAL LICENSED SURVEYOR.

EARTHWORK

1. NOTIFY UTILITY LOCATOR SERVICE AT LEAST 72 HOURS BEFORE STARTING EXCAVATION. "CALL BEFORE YOU DIG" AT 1–800–922–4455.
2. STOP WORK IN THE VICINITY OF SUSPECTED CONTAMINATED SOIL, GROUNDWATER OR OTHER MEDIA. IMMEDIATELY NOTIFY THE OWNER SO THAT APPROPRIATE TESTING AND SUBSEQUENT ACTION CAN BE TAKEN. RESUME WORK IN THE IMMEDIATE VICINITY ONLY UPON DIRECTION BY THE OWNER.
3. WITHIN THE LIMITS OF THE BUILDING FOOTPRINT, PERFORM EARTHWORK OPERATIONS TO SUBGRADE ELEVATIONS. SEE DRAWINGS BY OTHERS FOR WORK ABOVE SUBGRADE.

UTILITIES

1. TERMINATE EXISTING UTILITIES IN CONFORMANCE WITH LOCAL, STATE AND INDIVIDUAL UTILITY COMPANY STANDARD SPECIFICATIONS AND DETAILS. COORDINATE UTILITY SERVICE DISCONNECTS WITH UTILITY REPRESENTATIVES.
2. THE TYPE, SIZE AND LOCATION OF DEPICTED UNDERGROUND UTILITIES ARE APPROXIMATE REPRESENTATIONS OF INFORMATION OBTAINED FROM FIELD LOCATIONS OF VISIBLE FEATURES, EXISTING MAPS AND PLANS OF RECORD, UTILITY MAPPING, AND OTHER SOURCES OF INFORMATION OBTAINED BY THE ENGINEER. ASSUME NO GUARANTEE AS TO THE COMPLETENESS, SERVICEABILITY, EXISTENCE, OR ACCURACY OF UNDERGROUND FACILITIES. FIELD VERIFY THE EXACT LOCATIONS, SIZES, AND ELEVATIONS OF THE POINTS OF CONNECTIONS TO EXISTING UTILITIES.
3. PAY ALL FEES AND COSTS ASSOCIATED WITH UTILITY MODIFICATIONS AND CONNECTIONS, REGARDLESS OF THE ENTITY THAT PERFORMS THE WORK.
4. COORDINATE THE WORK AND WORK SCHEDULE WITH UTILITY COMPANIES. PROVIDE ADEQUATE NOTICE TO UTILITIES TO PREVENT DELAYS IN CONSTRUCTION.
5. INTERIOR DIAMETERS OF STORM DRAIN AND SANITARY SEWER STRUCTURES SHALL BE DETERMINED BY THE PRECAST MANUFACTURER, BASED ON THE INDICATED PIPE SYSTEM LAYOUT AND LOCAL MUNICIPAL STANDARDS.

   MINIMUM INTERIOR DIAMETERS:
   0 TO 20 FEET DEEP; 4 FEET.
   20 FEET OR GREATER; 5 FEET.
6. RIM ELEVATIONS FOR MANHOLES, VALVE COVERS, GATE AND PULL BOXES, AND OTHER STRUCTURES ARE APPROXIMATE. SET OR RESET RIM ELEVATIONS AS FOLLOWS:

   IN PAVEMENTS AND CONCRETE SURFACES: FLUSH
   IN SURFACES ALONG ACCESSIBLE ROUTES: FLUSH
   IN LANDSCAPE, SEEDED, AND OTHER EARTH SURFACE AREAS:
   1 INCH ABOVE SURROUNDING AREA; TAPER EARTH TO RIM ELEVATION.
7. INSTALL PROPOSED PRIVATE UTILITY SERVICES ACCORDING TO THE REQUIREMENTS PROVIDED BY, AND APPROVED BY THE AUTHORITY HAVING JURISDICTION (WATER, SEWER, GAS, TELEPHONE, ELECTRIC, FIRE ALARM, ETC.). COORDINATE FINAL DESIGN LOADS AND LOCATIONS WITH OWNER AND ARCHITECT.

PAVEMENT

1. AT A MINIMUM, CONSTRUCT ACCESSIBLE ROUTES, PARKING SPACES, RAMPS, SIDEWALKS AND WALKWAYS IN CONFORMANCE WITH THE FEDERAL AMERICANS WITH DISABILITIES ACT AND WITH STATE AND LOCAL LAWS AND REGULATIONS (WHICHEVER ARE MORE STRINGENT).

SITE RESTORATION

1. PROVIDE 6 INCHES OF TOPSOIL AND SEED TO AREAS DISTURBED DURING CONSTRUCTION AND NOT DESIGNATED TO BE RESTORED WITH IMPERVIOUS SURFACES (BUILDINGS, PAVEMENTS, WALKS, ETC.) UNLESS OTHERWISE NOTED.
2. REPAIR DAMAGES RESULTING FROM CONSTRUCTION LOADS, AT NO ADDITIONAL COST TO OWNER.
3. RESTORE AREAS DISTURBED BY CONSTRUCTION OPERATIONS TO THEIR ORIGINAL CONDITION OR BETTER, AT NO ADDITIONAL COST TO OWNER.

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SURVEY
HODGE, LLC
1783 FARMINGTON AVENUE
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PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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CIVIL GENERAL NOTES

CN-001

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SEE SHEET CP-104

SEE SHEET CP-105

SEE SHEET CP-102

SEE THIS SHEET

SEE THIS SHEET

PROTECT UTILITIES TO REMAIN

PROTECT UTILITIES TO REMAIN

LIMIT OF WATER LINE REMOVAL

PROTECT UTILITIES TO REMAIN

SAWCUT BITUMINOUS CONCRETE PAVEMENT

PROTECT STORM STRUCTURES AND PIPES TO REMAIN

PROTECT CULVERTS AND STRUCTURE TO REMAIN

PROTECT UTILITIES TO REMAIN

SANITARY PIPE AND CONCRETE PIER TO BE REMOVED. COORDINATE WITH WPCA PRIOR TO CONSTRUCTION.

DAM TO BE REMOVED

PROTECT UTILITIES TO REMAIN

PROTECT BRIDGE TO REMAIN AND BE REPAIRED

PROTECT DAM TO REMAIN

PROTECT BUILDINGS AND UTILITY CONNECTIONS TO REMAIN

PROTECT UTILITIES TO REMAIN

PROTECT SIDEWALK AND LIGHTING TO REMAIN

PROTECT WALL TO REMAIN

PROTECT WATER LINE TO REMAIN

PROTECT TREES TO REMAIN

PROTECT STORMWATER STRUCTURE AND PIPES TO REMAIN

PROTECT CULVERTS AND STRUCTURE TO REMAIN

PROTECT 24" STORM PIPE TO REMAIN

PROTECT UTILITIES TO REMAIN

PROTECT UTILITIES TO REMAIN

PROTECT TREES TO REMAIN

PROTECT UTILITIES TO REMAIN

PROTECT EXISTING WALL AND LANDSCAPING TO REMAIN

PROTECT UTILITIES TO REMAIN

PROTECT UTILITIES TO REMAIN

SEE OFF-SITE PLANS FOR LIMITS OF WORK IN ROUTE 44

DRIVEWAY KNOWN AS REDSTONE HILL

CLIMAX HEIGHTS DRIVE

NOD BROOK

WOODFORD AVENUE

WEST MAIN STREET – U.S. ROUTE 44

N/F TOWN OF AVON

PLAY AREA

A/C PAD

DOCK

Intersection of pipes approximate only per mapping

APPROXIMATE LOC LINE

LEGEND

- PHASE LIMIT LINE
- UTILITIES TO REMAIN
- PAVEMENT/CONCRETE DEMOLITION
- BUILDING DEMOLITION
- CLEAR AND GRUB EXISTING VEGETATION

NOTES

1. PROTECT ITEMS TO REMAIN DURING CONSTRUCTION
2. WHERE INDICATED, REMOVE EXISTING HARDSCAPED SURFACES (E.G. BITUMINOUS CONCRETE CURBS, CONCRETE WALKS, ETC.). SAWCUT HARDSCAPED SURFACES AT LIMIT OF REMOVAL. REMOVE CONCRETE WALKS, CONCRETE CURBS, AND GRANITE CURBS TO NEAREST JOINT.
3. WHERE EXISTING HARDSCAPED AREAS ARE TO BE RESTORED WITH PERVIOUS SURFACES (E.G. LAWN, LANDSCAPING, ETC.), REMOVE EXISTING BASE MATERIAL. WHERE EXISTING HARDSCAPED SURFACED ARE TO BE RESTORED WITH PROPOSED HARDSCAPE (E.G. BITUMINOUS PAVEMENT, CONCRETE WALK, PAVERS, ETC.) EXISTING BASE MATERIAL MAY BE REUSED. EXITING BASE MATERIAL MUST CONFORM TO THE SPECIFICATIONS.
4. UNLESS INDICATED, EXISTING SITE IMPROVEMENTS (E.G. LIGHT POLES, FENCES, BOLLARDS, LANDSCAPING, ETC.) WITHIN THE PHASE LIMIT LINE ARE TO BE REMOVED.
5. UNLESS INDICATED, EXISTING UTILITIES WITHIN THE PHASE LIMIT LINE ARE TO BE ABANDONED OR REMOVED. PROPER COORDINATION WITH UTILITY PROVIDER IS REQUIRED PRIOR TO START OF WORK.
7. UTILITIES OUTSIDE THE PHASE LIMIT LINE TO REMAIN UNLESS NOTED.
8. COORDINATE WITH UTILITY COMPANIES FOR UTILITIES TO BE RELOCATED, ABANDONED, OR REMOVED.
9. STORE ITEMS TO BE REMOVED AND REINSTALLED ONSITE. COORDINATE STORAGE LOCATION(S) WITH OWNER PRIOR TO CONSTRUCTION.
10. SEE OFF-SITE PLANS FOR LIMITS OF WORK IN ROUTES 44 AND 10.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

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PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

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PREPARATION PLAN

CP-101

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SEE SHEET CP-103



LEGEND

- PHASE LIMIT LINE
- UTILITIES TO REMAIN
- PAVEMENT/CONCRETE DEMOLITION
- BUILDING DEMOLITION
- CLEAR AND GRUB EXISTING VEGETATION

NOTES

1. PROTECT ITEMS TO REMAIN DURING CONSTRUCTION
2. WHERE INDICATED, REMOVE EXISTING HARDSCAPED SURFACES (E.G. BITUMINOUS CONCRETE CURBS, CONCRETE WALKS, ETC.). SAWCUT HARDSCAPED SURFACES AT LIMIT OF REMOVAL. REMOVE CONCRETE WALKS, CONCRETE CURBS, AND GRANITE CURBS TO NEAREST JOINT.
3. WHERE EXISTING HARDSCAPED AREAS ARE TO BE RESTORED WITH PERVIOUS SURFACES (E.G. LAWN, LANDSCAPING, ETC.), REMOVE EXISTING BASE MATERIAL. WHERE EXISTING HARDSCAPED SURFACED ARE TO BE RESTORED WITH PROPOSED HARDSCAPE (E.G. BITUMINOUS PAVEMENT, CONCRETE WALK, PAVERS, ETC.) EXISTING BASE MATERIAL MAY BE REUSED. EXITING BASE MATERIAL MUST CONFORM TO THE SPECIFICATIONS.
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5. UNLESS INDICATED, EXISTING UTILITIES WITHIN THE PHASE LIMIT LINE ARE TO BE ABANDONED OR REMOVED. PROPER COORDINATION WITH UTILITY PROVIDER IS REQUIRED PRIOR TO START OF WORK.
7. UTILITIES OUTSIDE THE PHASE LIMIT LINE TO REMAIN UNLESS NOTED.
8. COORDINATE WITH UTILITY COMPANIES FOR UTILITIES TO BE RELOCATED, ABANDONED, OR REMOVED.
9. STORE ITEMS TO BE REMOVED AND REINSTALLED ONSITE. COORDINATE STORAGE LOCATION(S) WITH OWNER PRIOR TO CONSTRUCTION.
10. SEE OFF-SITE PLANS FOR LIMITS OF WORK IN ROUTES 44 AND 10.

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SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
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STATE OF CONNECTICUT — LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

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PREPARATION PLAN

CP-102

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SEE THIS SHEET

SEE SHEET CP-104

SEE SHEET CP-102

PROTECT EXISTING SEWER LINE TO REMAIN

SAWCUT BITUMINOUS CONCRETE DRIVEWAY

LIMIT OF SANITARY SEWER MAIN REMOVAL. PROTECT STRUCTURE TO REMAIN.

SAWCUT BITUMINOUS CONCRETE PAVEMENT

PROTECT UTILITIES TO REMAIN

LIMIT OF WATER MAIN REMOVAL

PROTECT WALL TO REMAIN

PROTECT MONUMENT TO REMAIN

END PROTECTION OF CURB TO REMAIN

FULL DEPTH CONSTRUCTION

MILL & OVERLAY

PROTECT UTILITIES TO REMAIN

PROTECT UTILITIES TO REMAIN

BEGIN PROTECTION OF CURB TO REMAIN

SAWCUT BITUMINOUS CONCRETE

PROTECT ELECTRIC LINE TO REMAIN

SAWCUT BITUMINOUS CONCRETE DRIVEWAY

PROTECT STORMWATER STRUCTURES AND PIPES TO REMAIN

MDC TRANSMISSION LINE AND STRUCTURES TO REMAIN. COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE MDC PRIOR TO CONSTRUCTION.

CONSTRUCTION ACTIVITIES WITHIN THE LIMITS OF MDC PERMITTED ONLY WITH ENCROACHMENT PERMIT. COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE MDC PRIOR TO CONSTRUCTION.

BENCHMARK TOP OF MON, ELEV.=253.08

CLIMAX ROAD

BICKFORD DRIVE EXTENSION

N/F 101 BICKFORD EXTENSION AVON LLC

LEGEND

- PHASE LIMIT LINE
- UTILITIES TO REMAIN
- PAVEMENT/CONCRETE DEMOLITION
- BUILDING DEMOLITION
- CLEAR AND GRUB EXISTING VEGETATION

NOTES

1. PROTECT ITEMS TO REMAIN DURING CONSTRUCTION
2. WHERE INDICATED, REMOVE EXISTING HARDSCAPED SURFACES (E.G. BITUMINOUS CONCRETE CURBS, CONCRETE WALKS, ETC.), SAWCUT HARDSCAPED SURFACES AT LIMIT OF REMOVAL. REMOVE CONCRETE WALKS, CONCRETE CURBS, AND GRANITE CURBS TO NEAREST JOINT.
3. WHERE EXISTING HARDSCAPED AREAS ARE TO BE RESTORED WITH PERVIOUS SURFACES (E.G. LAWN, LANDSCAPING, ETC.), REMOVE EXISTING BASE MATERIAL. WHERE EXISTING HARDSCAPED SURFACED ARE TO BE RESTORED WITH PROPOSED HARDSCAPE (E.G. BITUMINOUS PAVEMENT, CONCRETE WALK, PAVERS, ETC.) EXISTING BASE MATERIAL MAY BE REUSED. EXITING BASE MATERIAL MUST CONFORM TO THE SPECIFICATIONS.
4. UNLESS INDICATED, EXISTING SITE IMPROVEMENTS (E.G. LIGHT POLES, FENCES, BOLLARDS, LANDSCAPING, ETC.) WITHIN THE PHASE LIMIT LINE ARE TO BE REMOVED.
5. UNLESS INDICATED, EXISTING UTILITIES WITHIN THE PHASE LIMIT LINE ARE TO BE ABANDONED OR REMOVED. PROPER COORDINATION WITH UTILITY PROVIDER IS REQUIRED PRIOR TO START OF WORK.
7. UTILITIES OUTSIDE THE PHASE LIMIT LINE TO REMAIN UNLESS NOTED.
8. COORDINATE WITH UTILITY COMPANIES FOR UTILITIES TO BE RELOCATED, ABANDONED, OR REMOVED.
9. STORE ITEMS TO BE REMOVED AND REINSTALLED ONSITE. COORDINATE STORAGE LOCATION(S) WITH OWNER PRIOR TO CONSTRUCTION.
10. SEE OFF-SITE PLANS FOR LIMITS OF WORK IN ROUTES 44 AND 10.

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HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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PREPARATION PLAN

CP-103

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OWNER/DEVELOPER
AVON TOWN CENTER LLC
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70 EAST MAIN STREET
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AVON, CONNECTICUT

AVON VILLAGE CENTER

PHASE ONE

MARK	DATE	DESCRIPTION
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PREPARATION PLAN

CP-104

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'
30 15 0 30
GRAPHIC SCALE

LEGEND
- PHASE LIMIT LINE
- UTILITIES TO REMAIN
- PAVEMENT/CONCRETE DEMOLITION
- BUILDING DEMOLITION
- CLEAR AND GRUB EXISTING VEGETATION

NOTES
1. PROTECT ITEMS TO REMAIN DURING CONSTRUCTION
2. WHERE INDICATED, REMOVE EXISTING HARDSCAPED SURFACES (E.G. BITUMINOUS CONCRETE CURBS, CONCRETE SIDEWALKS, ETC.) TO NEAREST JOINT. SURFACES AT LIMIT OF REMOVAL REMOVE CONCRETE CURBS, AND GRANITE CURBS TO NEAREST JOINT.
3. WHERE EXISTING HARDSCAPED AREAS ARE TO BE RESTORED WITH PERVIOUS SURFACES (E.G. LAWN, MULCH, ETC.) OR IMPERVIOUS SURFACES OF DIFFERENT MATERIAL, WHERE EXISTING HARDSCAPED SURFACED ARE TO BE RESTORED WITH PROPOSED HARDSCAPE (E.G. BITUMINOUS CONCRETE, CONCRETE, PAVERS, ETC.) EXISTING BASE MATERIAL MAY BE UTILIZED. PROPOSED BASE MATERIAL MUST CONFORM TO THE SPECIFICATIONS.
4. UNLESS INDICATED, EXISTING SITE IMPROVEMENTS (E.G. LIGHT POLES, FENCES, BOLLARDS, LANDSCAPING, ETC.) WITHIN THE PHASE LIMIT LINE ARE TO BE REMOVED.
5. UNLESS INDICATED, EXISTING UTILITIES WITHIN THE PHASE LIMIT LINE ARE TO BE ABANDONED OR REMOVED. CONTRACTOR TO CONFIRM WITH UTILITY PROVIDER IS REQUIRED PRIOR TO START OF WORK.
7. UTILITIES OUTSIDE THE PHASE LIMIT LINE TO REMAIN UNLESS NOTED.
8. COORDINATE WITH UTILITY COMPANIES FOR UTILITIES TO BE RELOCATED, ABANDONED, OR REMOVED.
9. STORE ITEMS TO BE REMOVED AND REINSTALLED (E.G. SIGNS, BOLLARDS, ETC.) AT LOCATION(S) WITH OWNER PRIOR TO CONSTRUCTION.
10. SEE OFF-SITE PLANS FOR LIMITS OF WORK IN ROUTES 44 AND 10.

LIMIT OF ELECTRIC SERVICE REMOVAL/ABANDONMENT
LIMIT OF GAS MAIN REMOVAL/ABANDONMENT
LIMIT OF WATER MAIN REMOVAL
PROTECT STORMWATER STRUCTURE AND PIPE TO REMAIN
PROTECT UTILITIES TO REMAIN
PROTECT BUILDING AND UTILITY CONNECTIONS TO REMAIN
SEE SHEET CP-104
SEE UTILITY PLANS FOR LIMITS OF SEWER DEMO/ABANDONMENT
PROTECT UTILITIES TO REMAIN
PROTECT BUILDING AND UTILITY CONNECTIONS TO REMAIN
NFC FARMINGTON VALLEY ARTS CENTER (BUILDING ONLY)
COVERED WALKWAY TO BE REMOVED
PROTECT BUILDING AND UTILITY CONNECTIONS TO REMAIN
PROTECT EXISTING WETLANDS TO REMAIN. SEE LOD & ADDITIONAL SEDIMENT CONTROL GENERAL NOTES.
PROTECT BUILDING AND UTILITY CONNECTIONS TO REMAIN
PROTECT UTILITIES TO REMAIN
DRIVEWAY KNOWN AS REDSTONE LANE
BUCKFORD DRIVE
PROTECT EXISTING WETLANDS TO REMAIN. SEE LOD & ADDITIONAL SEDIMENT CONTROL GENERAL NOTES.

SEE SHEET CP-107
SEE SHEET CP-102
SEE SHEET CP-103

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SEE SHEET CP-106

SEE SHEET CP-104

LIMIT OF ELECTRIC SERVICE REMOVAL/ABANDOMENT

LIMIT OF GAS MAIN REMOVAL/ABANDOMENT

LIMIT OF WATER MAIN REMOVAL

TREE TO REMAIN. USE TREE PROTECTION.

PROTECT STORMWATER STRUCTURE AND PIPE TO REMAIN

PROTECT UTILITIES TO REMAIN

PROTECT STORMWATER STRUCTURE TO REMAIN

SAWCUT BITUMINOUS CONCRETE

PROTECT UTILITIES TO REMAIN

PROTECT BUILDING AND UTILITY CONNECTIONS TO REMAIN

PROTECT BUILDING AND UTILITY CONNECTIONS TO REMAIN

SEE UTILITY PLANS FOR LIMITS OF SEWER DEMO/ABANDOMENT

PROTECT UTILITIES TO REMAIN

PROTECT UTILITIES TO REMAIN

SAWCUT BITUMINOUS CONCRETE PAVEMENT

PROTECT STORM STRUCTURES AND PIPES TO REMAIN

PROTECT CULVERTS AND STRUCTURE TO REMAIN

LIMITS OF SELECTIVE CLEARING FOR WALKING TRAIL. COORDINATE LOCATION WITH TOWN OF AVON STAFF PRIOR TO CONSTRUCTION.

ENSIGN DRIVE

NOD BROOK

N/F FARMINGTON VALLEY ARTS CENTER (BUILDING ONLY)

N/F HOTEL OWNERS, LLC Parcel #3970055

DUMPSTER PAD

shed

LEGEND

- PHASE LIMIT LINE
- UTILITIES TO REMAIN
- PAVEMENT/CONCRETE DEMOLITION
- BUILDING DEMOLITION
- CLEAR AND GRUB EXISTING VEGETATION

NOTES

1. PROTECT ITEMS TO REMAIN DURING CONSTRUCTION
2. WHERE INDICATED, REMOVE EXISTING HARDSCAPED SURFACES (E.G. BITUMINOUS CONCRETE CURBS, CONCRETE WALKS, ETC.). SAWCUT HARDSCAPED SURFACES AT LIMIT OF REMOVAL. REMOVE CONCRETE WALKS, CONCRETE CURBS, AND GRANITE CURBS TO NEAREST JOINT.
3. WHERE EXISTING HARDSCAPED AREAS ARE TO BE RESTORED WITH PERVIOUS SURFACES (E.G. LAWN, LANDSCAPING, ETC.), REMOVE EXISTING BASE MATERIAL. WHERE EXISTING HARDSCAPED SURFACED ARE TO BE RESTORED WITH PROPOSED HARDSCAPE (E.G. BITUMINOUS PAVEMENT, CONCRETE WALK, PAVERS, ETC.) EXISTING BASE MATERIAL MAY BE REUSED. EXITING BASE MATERIAL MUST CONFORM TO THE SPECIFICATIONS.
4. UNLESS INDICATED, EXISTING SITE IMPROVEMENTS (E.G. LIGHT POLES, FENCES, BOLLARDS, LANDSCAPING, ETC.) WITHIN THE PHASE LIMIT LINE ARE TO BE REMOVED.
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9. STORE ITEMS TO BE REMOVED AND REINSTALLED ONSITE. COORDINATE STORAGE LOCATION(S) WITH OWNER PRIOR TO CONSTRUCTION.
10. SEE OFF-SITE PLANS FOR LIMITS OF WORK IN ROUTES 44 AND 10.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

SEE SHEET CP-101

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PHONE: 860-673-0444

STATE OF CONNECTICUT — LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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PREPARATION PLAN

CP-105

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PROTECT STORMWATER STRUCTURE AND PIPES TO REMAIN

PROTECT GAS MAIN TO REMAIN

SAWCUT BITUMINOUS CONCRETE PAVEMENT

PROTECT FENCE TO REMAIN

PROTECT UTILITIES TO REMAIN

PROTECT CULVERT TO REMAIN

LIMIT OF STORMWATER PIPE REMOVAL

MDC TRANSMISSION LINE AND STRUCTURES TO REMAIN. COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE MDC PRIOR TO CONSTRUCTION.

CONSTRUCTION ACTIVITIES WITHIN THE LIMITS OF MDC PERMITTED ONLY WITH ENCROACHMENT PERMIT. COORDINATE ALL CONSTRUCTION ACTIVITIES WITH THE MDC PRIOR TO CONSTRUCTION.

PROTECT STORM PIPE TO REMAIN

TREE TO REMAIN. USE TREE PROTECTION.

SEE OFF-SITE PLANS FOR LIMITS OF WORK IN ROUTE 10

REMOVE AND REPLACE SANITARY SEWER STRUCTURE

FISHER DRIVE

SIMSBURY ROAD

NOD BROOK

N/F SILVIO BRIGHENTI & FAMILY, LLC
PARCEL 3970101

N/F ENSIGN-BICKFORD REALTY CORPORATION
PARCEL 2280080

PROPOSED EASEMENT FOR HIGHWAY PURPOSES AND APPURTENANCE IN FAVOR OF STATE OF CONNECTICUT

PROPOSED EASEMENT TO INSTALL AND MAINTAIN TRAFFIC SIGNALIZATION DEVICES AND APPURTENANCES IN FAVOR OF STATE OF CONNECTICUT

Possible Future Highway Line Revision

LOCATION OF SEWERS TAKEN FROM ASBUILT SURVEY P&P

APPROXIMATE LOCATION & WATER MAIN (status uncertain)

SEE SHEET CP-107

SEE SHEET CP-105

LEGEND

- PHASE LIMIT LINE
- UTILITIES TO REMAIN
- PAVEMENT/CONCRETE DEMOLITION
- BUILDING DEMOLITION
- CLEAR AND GRUB EXISTING VEGETATION

NOTES

1. PROTECT ITEMS TO REMAIN DURING CONSTRUCTION
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9. STORE ITEMS TO BE REMOVED AND REINSTALLED ONSITE. COORDINATE STORAGE LOCATION(S) WITH OWNER PRIOR TO CONSTRUCTION.
10. SEE OFF-SITE PLANS FOR LIMITS OF WORK IN ROUTES 44 AND 10.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
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PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

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SEE SHEET CP-104

SEE SHEET CP-105

SEE SHEET CP-102

PROVIDE EROSION AND SEDIMENT CONTROL MEASURES AT TOP OF NOD BROOK BANK UNTIL TIME OF BRIDGE CONSTRUCTION

LEGEND

- EROSION CONTROL BLANKET (TYP)
- SF — SILT FENCE (TYP)
- SILT SOXX (TYP)
- HAYBALES (TYP)
- SF — SILT FENCE BACKED BY HAYBALES (TYP)

NOTES:

1. PROVIDE SEDIMENT CONTROL AT ALL STORMWATER INLET STRUCTURES WITHIN AND ADJACENT TO PROJECT LIMITS FOR THE DURATION OF THE PROJECT.
2. INSTALL EROSION CONTROL BLANKET ON SLOPES GREATER THAN 3:1 AND WHERE SHOWN.
3. INSTALL SILT FENCE BACKED BY HAYBALES ADJACENT TO WETLANDS AND/OR WATERCOURSES WHERE SHOWN.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
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PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

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EROSION & SEDIMENT CONTROL PLAN

CE-101

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SEE SHEET CP-103

CONSTRUCTION ENTRANCE (TYP)

SOIL STOCKPILE AREA

SF

CONSTRUCTION ENTRANCE (TYP)

LIMIT OF TEMPORARY SEDIMENT TRAP CATCHMENT AREAS

FLOW PATH OF SURFACE RUNOFF DURING CONSTRUCTION ACTIVITIES (TYP)

CONSTRUCTION ENTRANCE (TYP)

CONSTRUCTION ENTRANCE (TYP)

LIMIT OF TEMPORARY SEDIMENT TRAP CATCHMENT AREAS

SOIL STOCKPILE AREA

CONSTRUCTION ENTRANCE (TYP)

TEMPORARY SEDIMENT TRAP #2
(SEE DETAIL)
DRAINAGE AREA TO TRAP = 2.7 AC
L (TOP) = 50'
W (TOP) = 15'
L (BOT.) = 80'
W (BOT.) = 45'
DW = 2'
DD = 3'
VW = 105 CY
VD = 293 CY
V (REQUIRED) = 358 CY
V (PROVIDED) = 398 CY

TEMPORARY SEDIMENT TRAP #1
(SEE DETAIL)
DRAINAGE AREA TO TRAP = 2.8 AC
L (TOP) = 50'
W (TOP) = 15'
L (BOT.) = 80'
W (BOT.) = 45'
DW = 2'
DD = 3'
VW = 105 CY
VD = 293 CY
V (REQUIRED) = 376 CY
V (PROVIDED) = 398 CY

CONSTRUCTION TRAILERS AND CONTRACTOR PARKING

SEE SHEET CP-101

LEGEND

- EROSION CONTROL BLANKET (TYP)
- SF — SILT FENCE (TYP)
- SILT SOXX (TYP)
- HAYBALES (TYP)
- SF — SILT FENCE BACKED BY HAYBALES (TYP)

NOTES:

1. PROVIDE SEDIMENT CONTROL AT ALL STORMWATER INLET STRUCTURES WITHIN AND ADJACENT TO PROJECT LIMITS FOR THE DURATION OF THE PROJECT.
2. INSTALL EROSION CONTROL BLANKET ON SLOPES GREATER THAN 3:1 AND WHERE SHOWN.
3. INSTALL SILT FENCE BACKED BY HAYBALES ADJACENT TO WETLANDS AND/OR WATERCOURSES WHERE SHOWN.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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HODGE, LLC
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UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT · LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

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EROSION & SEDIMENT CONTROL PLAN

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SEE THIS SHEET

SEE THIS SHEET

SEE SHEET CP-104

SEE SHEET CP-102

CONSTRUCTION ENTRANCE (TYP)

SOIL STOCKPILE AREA

SOIL STOCKPILE AREA

CONSTRUCTION ENTRANCE (TYP)

CONSTRUCTION ENTRANCE (TYP)

CONSTRUCTION ENTRANCE (TYP)

LIMIT OF TEMPORARY SEDIMENT TRAP / CATCHMENT AREAS

FLOW PATH OF SURFACE RUNOFF DURING CONSTRUCTION ACTIVITIES (TYP)

LIMIT OF TEMPORARY SEDIMENT TRAP / CATCHMENT AREAS

LEGEND

- EROSION CONTROL BLANKET (TYP)
- SF — SILT FENCE (TYP)
- SILT SOXX (TYP)
- HAYBALES (TYP)
- SF — SILT FENCE BACKED BY HAYBALES (TYP)

NOTES:

1. PROVIDE SEDIMENT CONTROL AT ALL STORMWATER INLET STRUCTURES WITHIN AND ADJACENT TO PROJECT LIMITS FOR THE DURATION OF THE PROJECT.
2. INSTALL EROSION CONTROL BLANKET ON SLOPES GREATER THAN 3:1 AND WHERE SHOWN.
3. INSTALL SILT FENCE BACKED BY HAYBALES ADJACENT TO WETLANDS AND/OR WATERCOURSES WHERE SHOWN.

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STATE OF CONNECTICUT — LICENSED PROFESSIONAL ENGINEER

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EROSION & SEDIMENT CONTROL PLAN

CE-103

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SEE SHEET CP-107



SEE SHEET CP-103

SEE SHEET CP-104

SEE SHEET CP-102

LEGEND

- EROSION CONTROL BLANKET (TYP)
- SF — SILT FENCE (TYP)
- SILT SOXX (TYP)
- HAYBALES (TYP)
- SF — SILT FENCE BACKED BY HAYBALES (TYP)

NOTES:

1. PROVIDE SEDIMENT CONTROL AT ALL STORMWATER INLET STRUCTURES WITHIN AND ADJACENT TO PROJECT LIMITS FOR THE DURATION OF THE PROJECT.
2. INSTALL EROSION CONTROL BLANKET ON SLOPES GREATER THAN 3:1 AND WHERE SHOWN.
3. INSTALL SILT FENCE BACKED BY HAYBALES ADJACENT TO WETLANDS AND/OR WATERCOURSES WHERE SHOWN.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1783 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

PROJECT NO: 2014 0986.S10
CAD FILE: 20140986S10_ERO01_Phase 1.dwg
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SHEET TITLE

EROSION & SEDIMENT CONTROL PLAN

CE-105

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SEE SHEET CP-106

SEE SHEET CP-104

TREE PROTECTION.
PROTECT THE OAK TO REMAIN.

SEE SHEET CP-101

LEGEND

- EROSION CONTROL BLANKET (TYP)
- SF — SILT FENCE (TYP)
- SILT SOXX (TYP)
- HAYBALES (TYP)
- SF — SILT FENCE BACKED BY HAYBALES (TYP)

NOTES:

1. PROVIDE SEDIMENT CONTROL AT ALL STORMWATER INLET STRUCTURES WITHIN AND ADJACENT TO PROJECT LIMITS FOR THE DURATION OF THE PROJECT.
2. INSTALL EROSION CONTROL BLANKET ON SLOPES GREATER THAN 3:1 AND WHERE SHOWN.
3. INSTALL SILT FENCE BACKED BY HAYBALES ADJACENT TO WETLANDS AND/OR WATERCOURSES WHERE SHOWN.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

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PHONE: 860-646-2469

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PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
LICENSED PROFESSIONAL ENGINEER

AVON VILLAGE CENTER
PHASE ONE
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

PROJECT NO: 2014 0986.S10
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SHEET TITLE

EROSION & SEDIMENT CONTROL PLAN

CE-105

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OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
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PHONE: 860-678-0669

ENGINEER
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MANCHESTER, CT 06040
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ARCHITECT
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RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

PROJECT NO: 2014.0986.S10
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SHEET TITLE
EROSION & SEDIMENT CONTROL PLAN

CE-106

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OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
BOHLER ENGINEERING, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
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FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
1535 BERLIN ROAD
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
70 EAST MAIN STREET/TORRINGTON AVENUE
UNIONVILLE, CT. 06085
PHONE: 860-673-0444

AVON, CONNECTICUT

AVON VILLAGE CENTER

PHASE ONE

MARK	DATE	DESCRIPTION
	05/18/18	PERMITTING SET

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FILE: 20140988S10_ERO01_Phase 1.dwg
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SHEET TITLE
EROSION & SEDIMENT CONTROL PLAN

CE-107

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
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AVON, CT 06001
PHONE: 860-678-0569

ENGINEER
BOHLER ENGINEERING, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
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31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
55 SHERIDAN STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
70 EAST MAIN/NORTON AVENUE
UNIONVILLE, CT. 06085
PHONE: 860-673-0444

AVON VILLAGE CENTER
PHASE ONE
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
5	05/16/18	PERMITTING SET

PROJECT NO: 2014.0986.S10
CAD FILE: 20140986S10-Index.dwg
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SHEET TITLE
INDEX PLAN

IND-01

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 100' SCALE VERT.: 1" = 10'
GRAPHIC SCALE 100 0 100

HPN/PRO-06
GRD/PVT-06

HPN/PRO-12
GRD/PVT-12

HPN/PRO-13
GRD/PVT-13

HPN/PRO-16
GRD/PVT-16

HPN/PRO-05
GRD/PVT-05

HPN/PRO-04
GRD/PVT-04
HPN-17

HPN/PRO-09
GRD/PVT-09

HPN/PRO-11
GRD/PVT-11

HPN/PRO-14
GRD/PVT-14

HPN/PRO-10
GRD/PVT-10

HPN/PRO-03
GRD/PVT-03

HPN/PRO-08
GRD/PVT-08

HPN/PRO-07
GRD/PVT-07

HPN/PRO-15
GRD/PVT-15

HPN/PRO-02
GRD/PVT-02
HPN-17

HPN/PRO-01
GRD/PVT-01

US ROUTE 10

US ROUTE 44

BICKFORD DRIVE

FISHER DRIVE

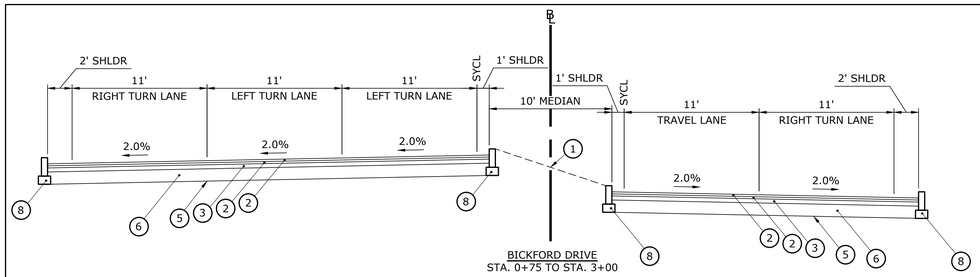
ENSIGN DRIVE

MAIN STREET

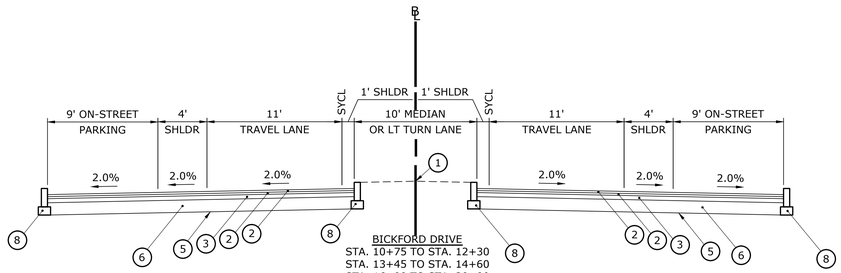
NORTH MAIN STREET

CLIMAX ROAD

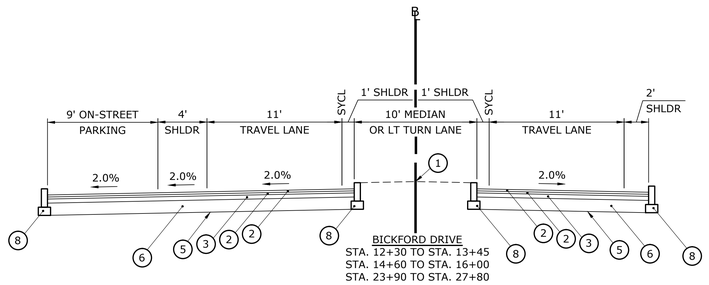
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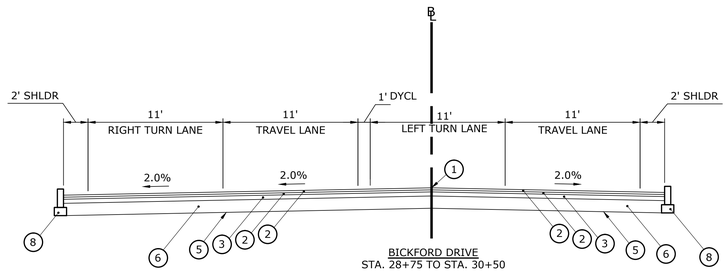
BICKFORD DRIVE
STA. 0+75 TO STA. 3+00



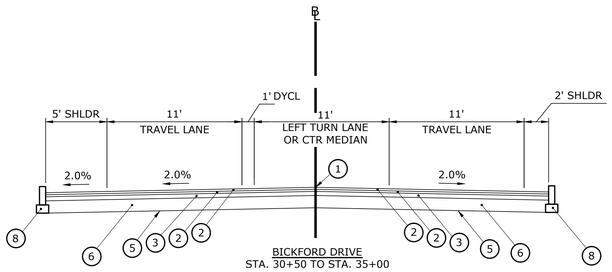
BICKFORD DRIVE
STA. 10+75 TO STA. 12+30
STA. 13+45 TO STA. 14+60
STA. 16+00 TO STA. 20+00



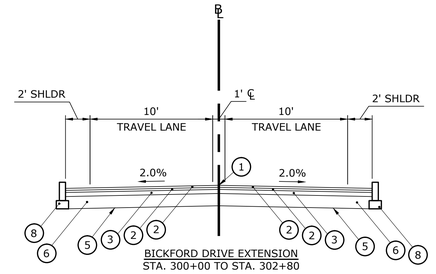
BICKFORD DRIVE
STA. 12+30 TO STA. 13+45
STA. 14+60 TO STA. 16+00
STA. 23+90 TO STA. 27+80



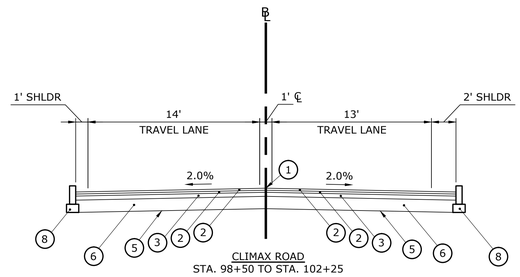
BICKFORD DRIVE
STA. 28+75 TO STA. 30+50



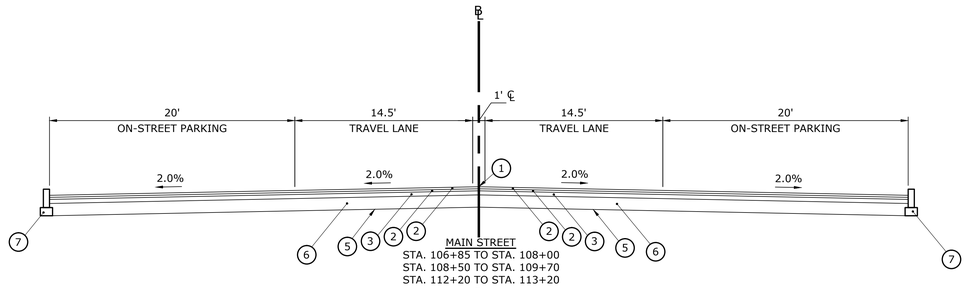
BICKFORD DRIVE
STA. 30+50 TO STA. 35+00



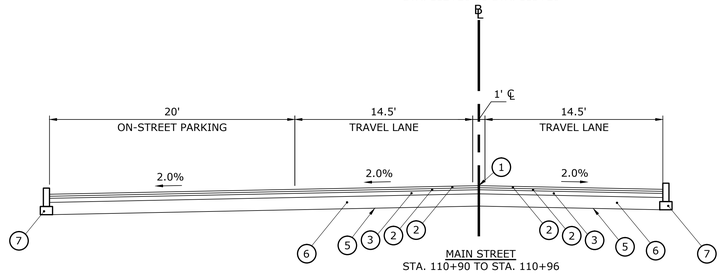
BICKFORD DRIVE EXTENSION
STA. 300+00 TO STA. 302+80



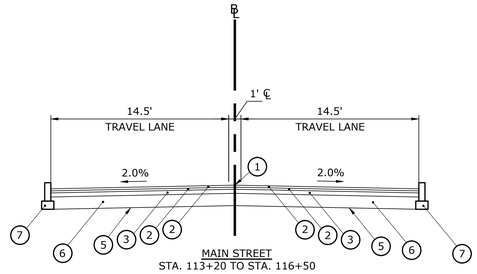
CLIMAX ROAD
STA. 98+50 TO STA. 102+25



MAIN STREET
STA. 106+85 TO STA. 108+00
STA. 108+50 TO STA. 109+70
STA. 112+20 TO STA. 113+20



MAIN STREET
STA. 110+90 TO STA. 110+96



MAIN STREET
STA. 113+20 TO STA. 116+50

LEGEND

1. POINT OF APPLICATION OF GRADE
2. 2" BIT. CONC. CLASS II
3. 2" BIT. CONC. CLASS I
5. FINE GRADE & COMPACT PRIOR TO PAVING
6. 12" SUBBASE
7. GRANITE CURBING
8. PRECAST GRANITE CURBING

DYCL = DOUBLE YELLOW CENTER LINE

SYCL = SINGLE YELLOW CENTER LINE

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 5'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
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146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
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FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

AVON VILLAGE CENTER
PHASE ONE
AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

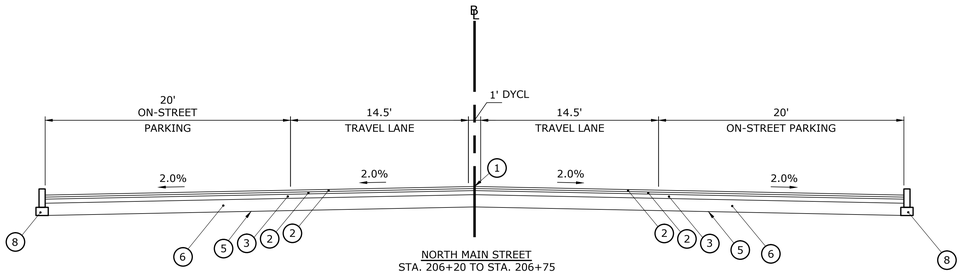
PROJECT NO: 2014 0986.S10
CAD FILE: 20140986S10_TXS01_Phase 1.dwg
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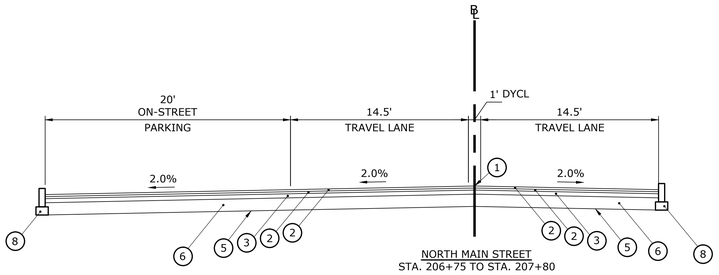
TYPICAL CROSS SECTION PLAN

TXS-01

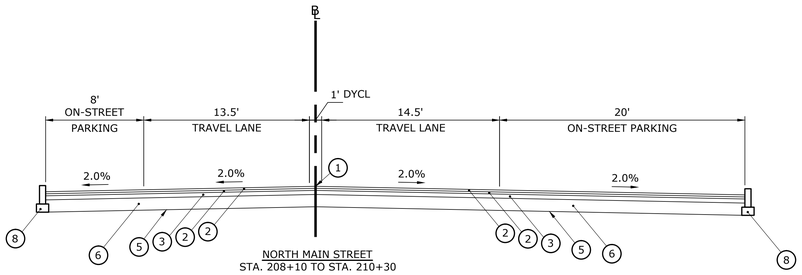
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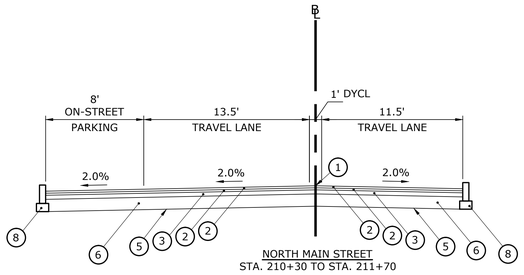
NORTH MAIN STREET
STA. 206+20 TO STA. 206+75



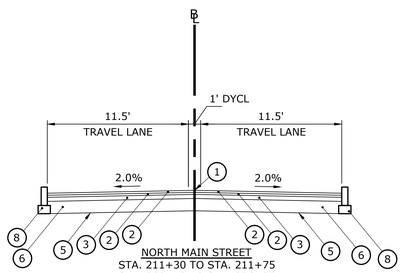
NORTH MAIN STREET
STA. 206+75 TO STA. 207+80



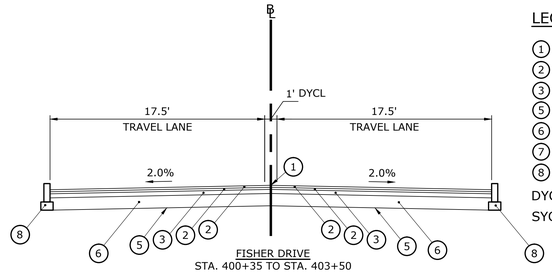
NORTH MAIN STREET
STA. 208+10 TO STA. 210+30



NORTH MAIN STREET
STA. 210+30 TO STA. 211+70



NORTH MAIN STREET
STA. 211+30 TO STA. 211+75
STA. 200+40 TO STA. 206+20



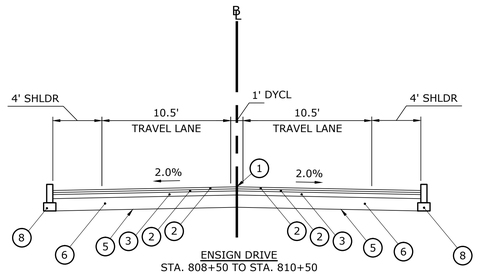
FISHER DRIVE
STA. 400+35 TO STA. 403+50

LEGEND

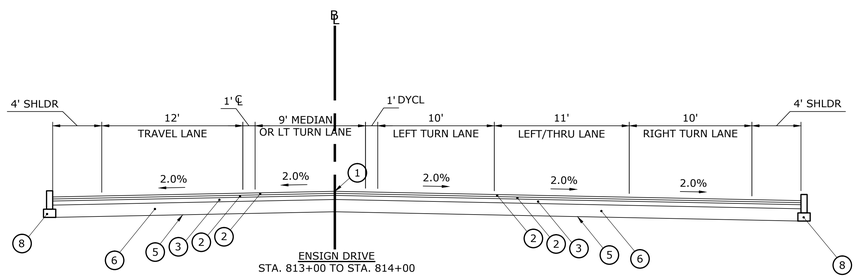
1. POINT OF APPLICATION OF GRADE
2. 2" BIT. CONC. CLASS II
3. 2" BIT. CONC. CLASS I
5. FINE GRADE & COMPACT PRIOR TO PAVING
6. 12" SUBBASE
7. GRANITE CURBING
8. PRECAST GRANITE CURBING

DYCL = DOUBLE YELLOW CENTER LINE

SYCL = SINGLE YELLOW CENTER LINE



ENSIGN DRIVE
STA. 808+50 TO STA. 810+50



ENSIGN DRIVE
STA. 813+00 TO STA. 814+00

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 5'

20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

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PHONE: 860-646-2469

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PHONE: 508-528-0770

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GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

PROJECT NO: 2014 0986.S10
CAD FILE: 20140986S10_TXS01_Phase 1.dwg
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CHECKED BY: KPR
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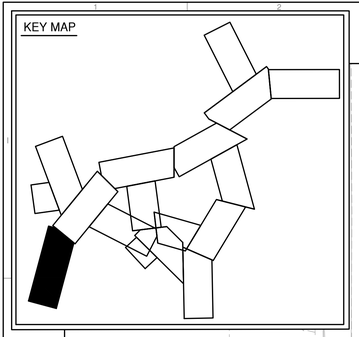
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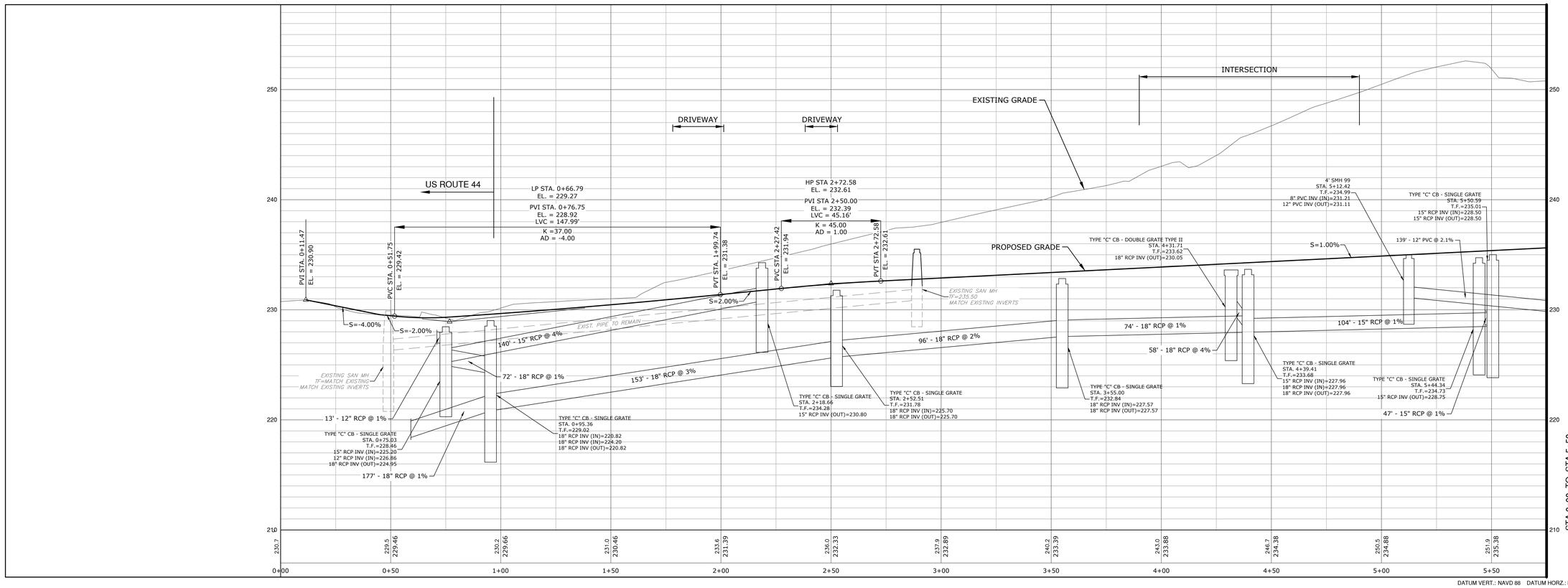
TYPICAL CROSS SECTION PLAN

TXS-02

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
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FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT · LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

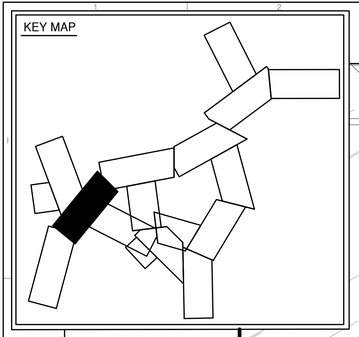
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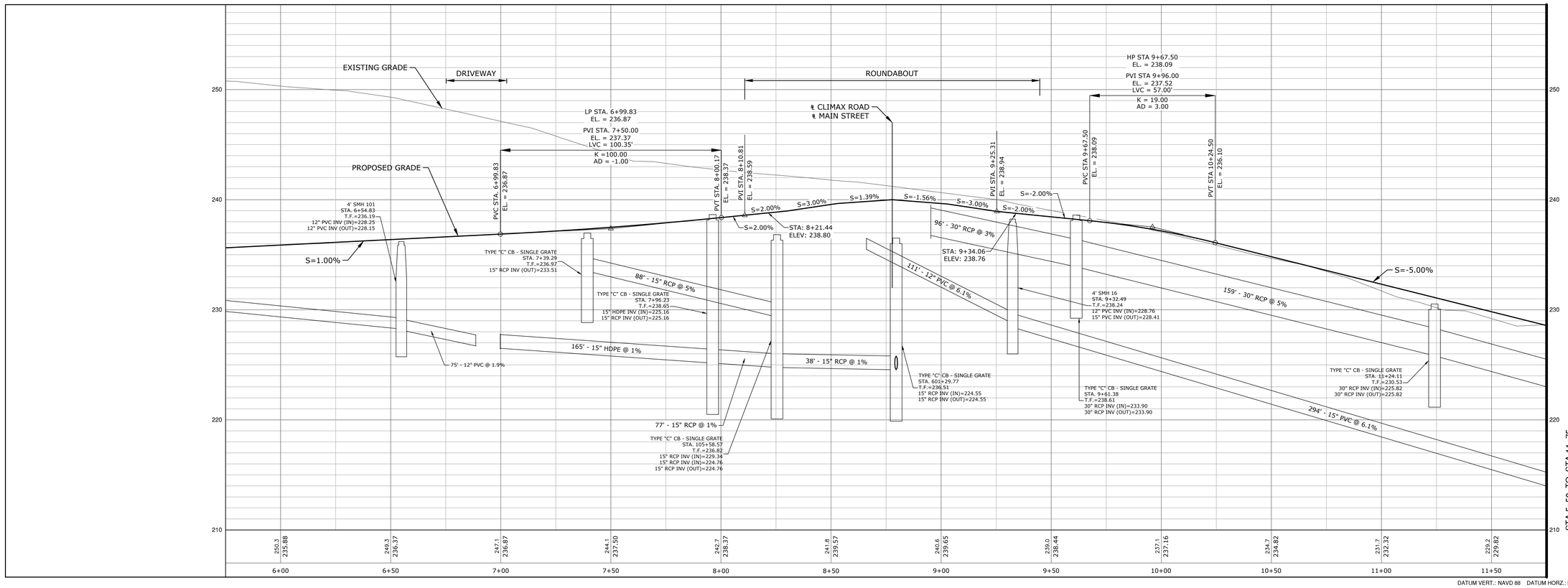
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SHEET TITLE
BICKFORD DRIVE
ROADWAY PLAN
AND PROFILE

HPN-01

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT · LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

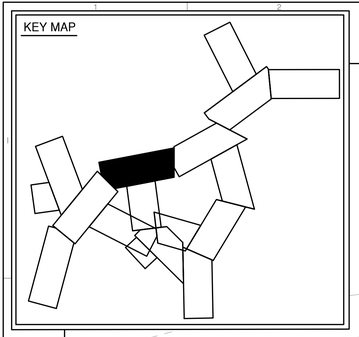
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SHEET TITLE
BICKFORD DRIVE
ROADWAY PLAN
AND PROFILE

HPN-02

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PRECAST CONCRETE CURBING

PRECAST CONCRETE CURBING

BICKFORD DRIVE

MATCH LINE STA 11+75 SEE SHEET HPN-02

END PRECAST CONCRETE CURBING

BEGIN PRECAST CONCRETE CURBING

PRECAST CONCRETE CURBING

PRECAST CONCRETE CURBING

PRECAST CONCRETE CURBING

BICKFORD DRIVE

MATCH LINE STA 18+25 SEE SHEET HPN-04

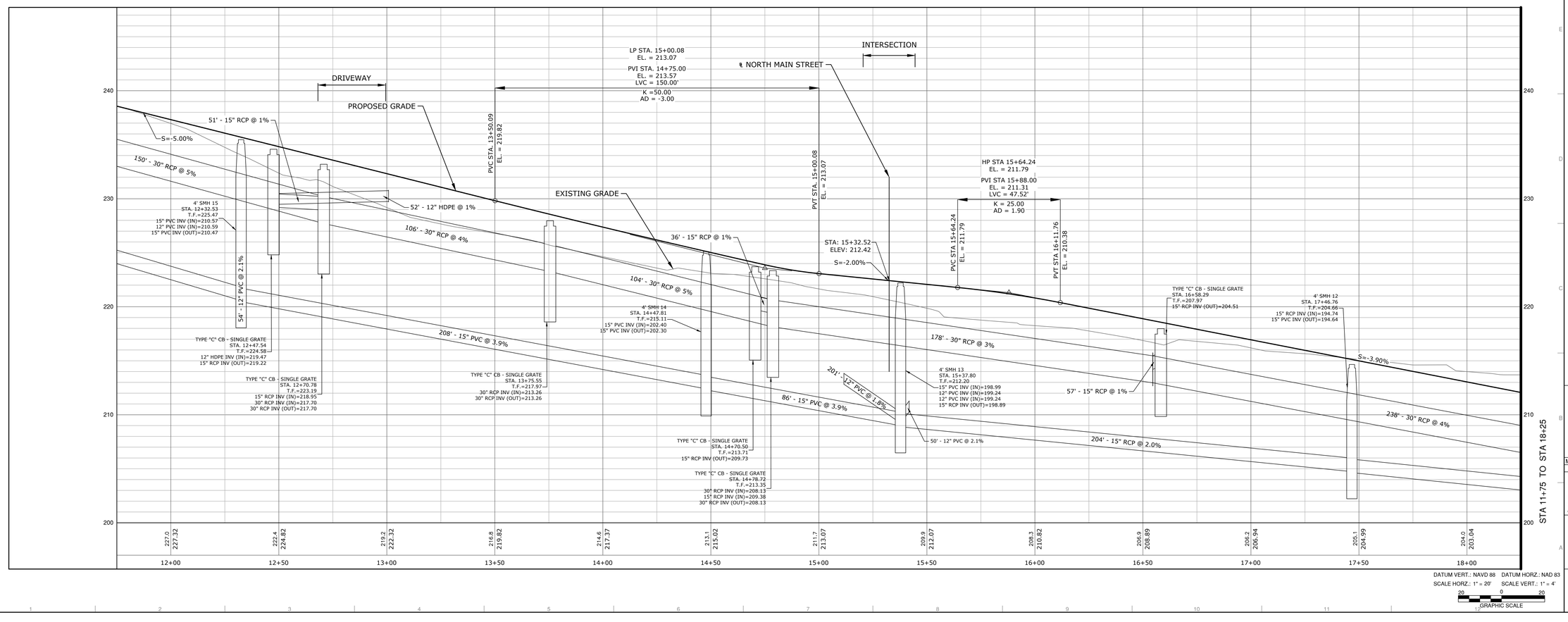
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PRC: 210+18.79

PT: 211+46.59

PT: 16+47.92

Gravel Walk



DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83

SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'

20 0 20

GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

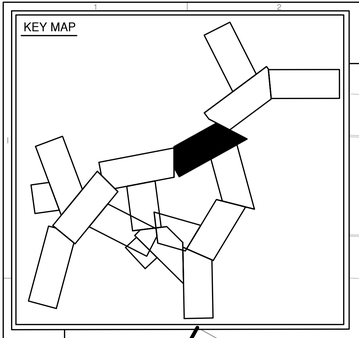
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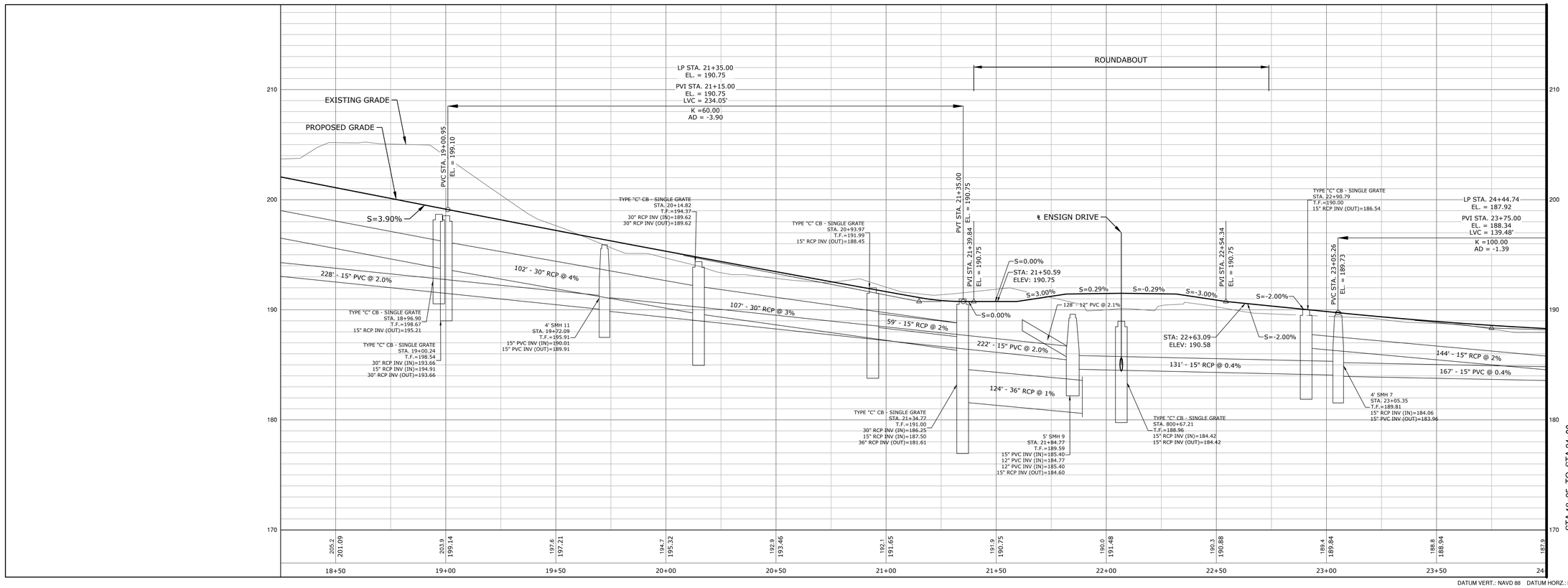
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SHEET TITLE
BICKFORD DRIVE
ROADWAY PLAN
AND PROFILE

HPN-03

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

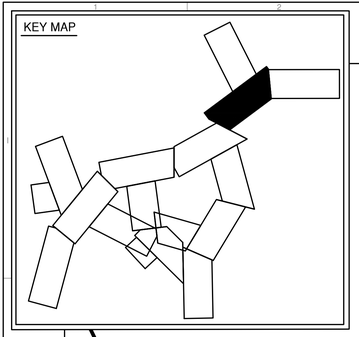
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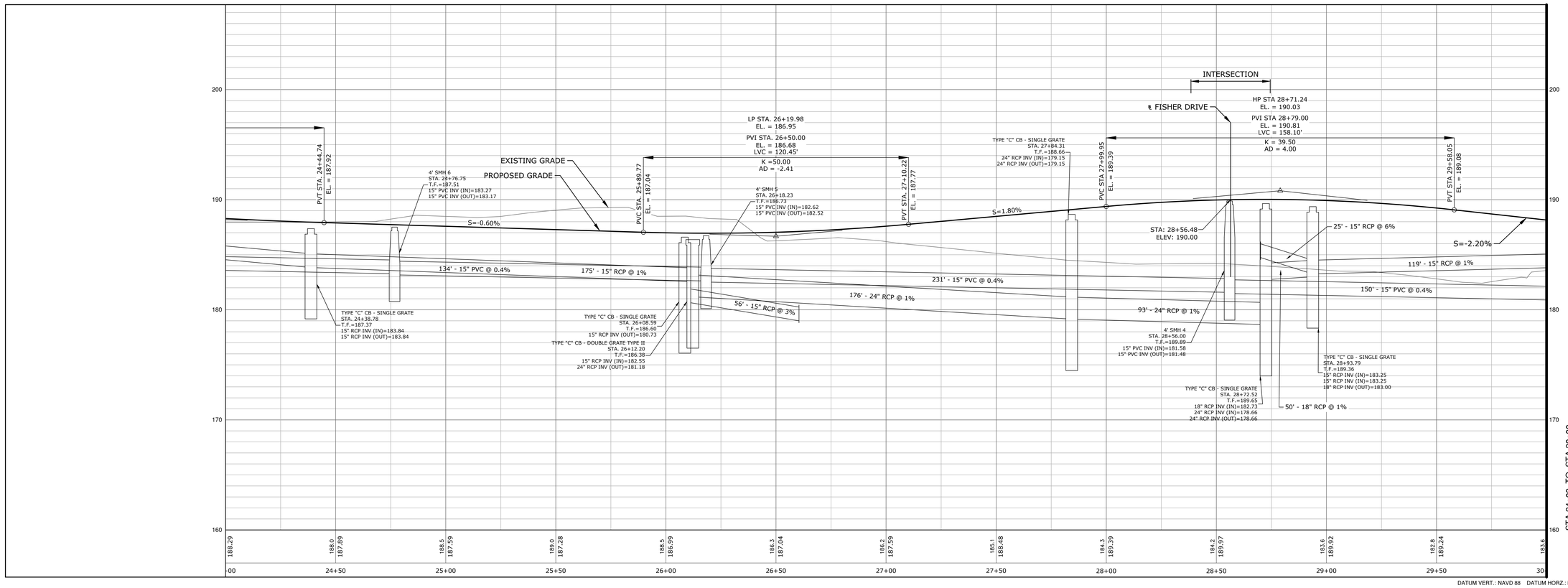
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SHEET TITLE
ROCKFORD DRIVE
ROADWAY PLAN
AND PROFILE

HPN-04

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
LICENSED PROFESSIONAL ENGINEER

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

05/16/18 PERMITTING SET

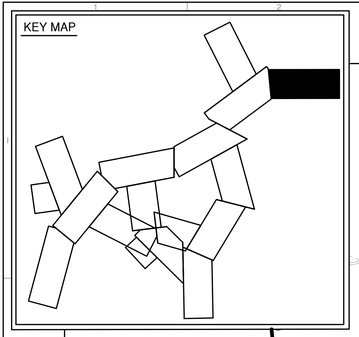
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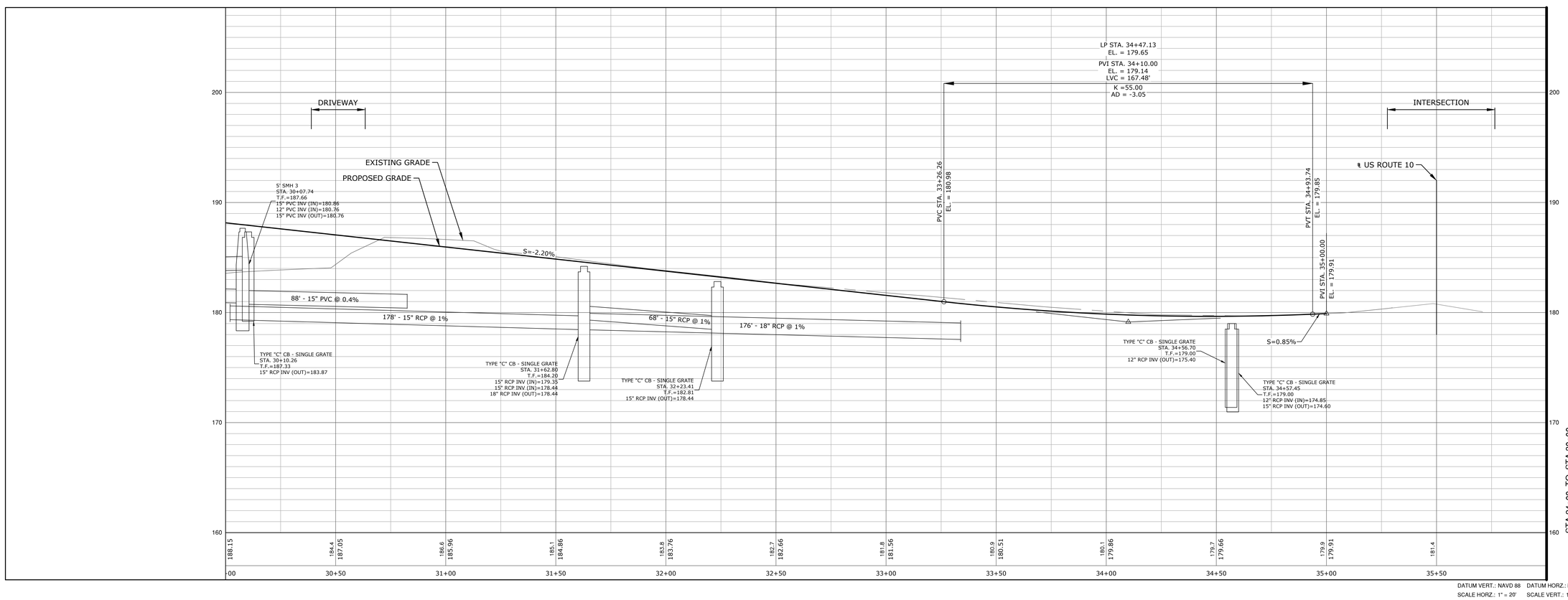
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SHEET TITLE
BICKFORD DRIVE
ROADWAY PLAN
AND PROFILE

HPN-05

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83

SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'

20 0 20

GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-5800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
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PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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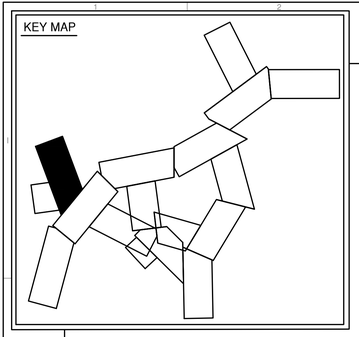
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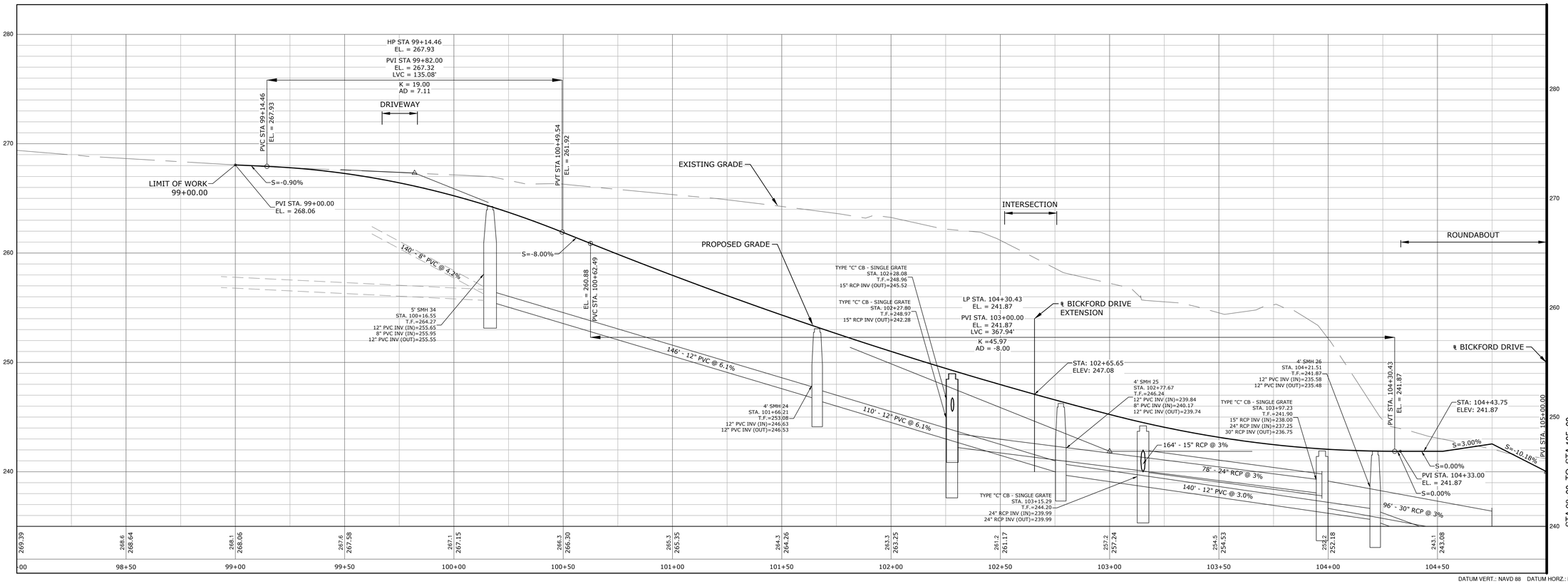
SHEET TITLE
BICKFORD DRIVE
ROADWAY PLAN
AND PROFILE

HPN-06

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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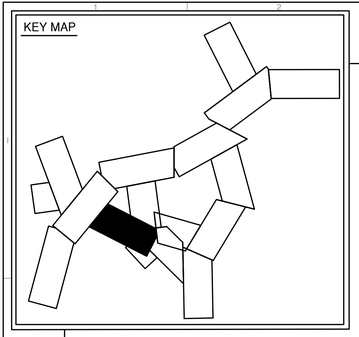
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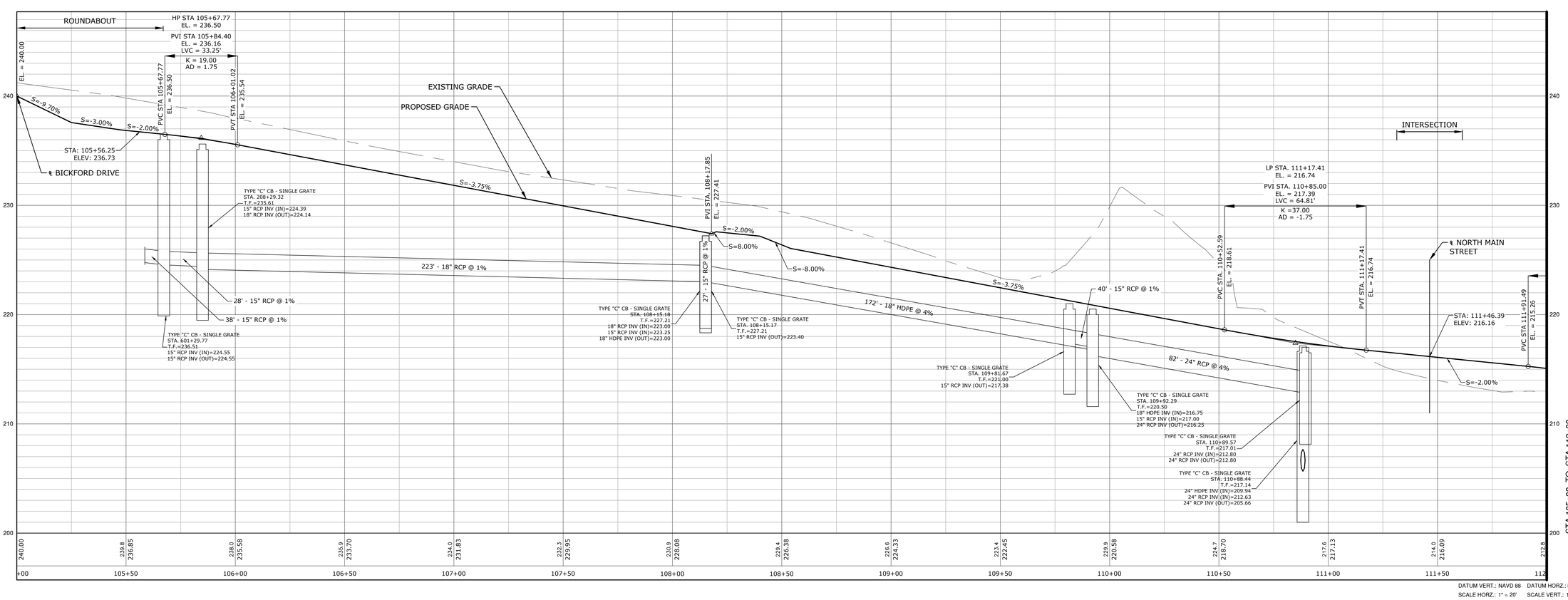
SHEET TITLE
CLIMAX ROAD
ROADWAY PLAN
AND PROFILE

HPN-07

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
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146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT · JAMES P. RICHTER · LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

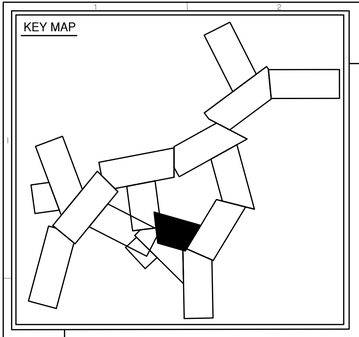
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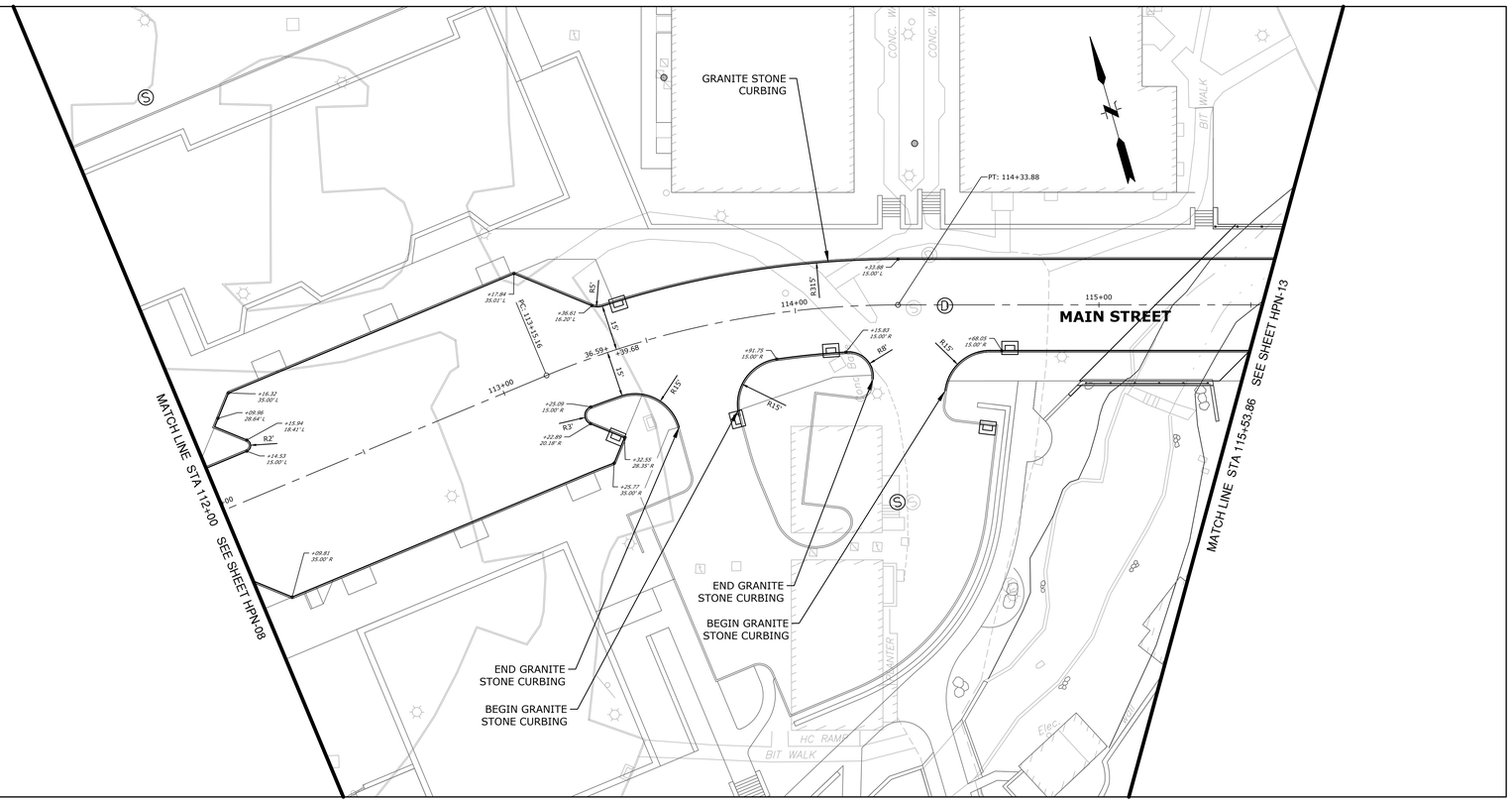
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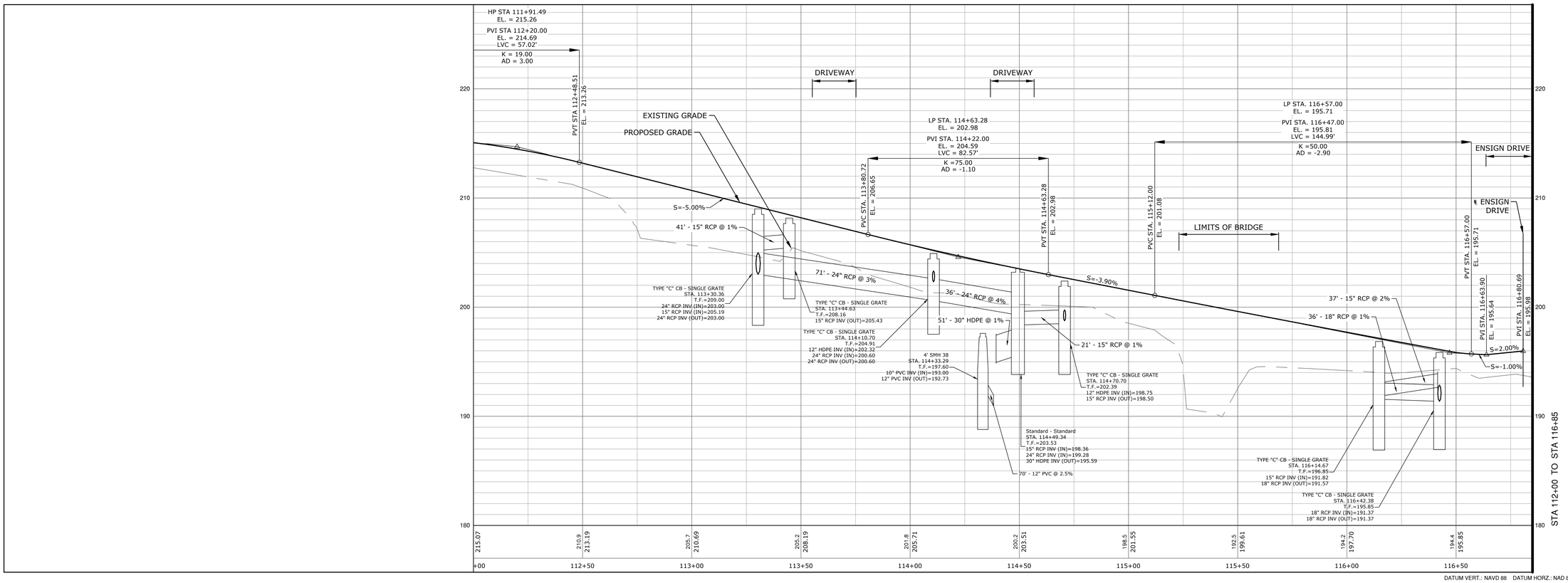
SHEET TITLE
MAIN STREET
ROADWAY PLAN
AND PROFILE

HPN-08

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

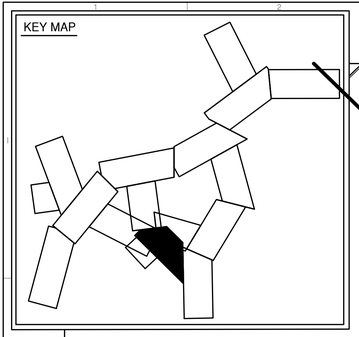
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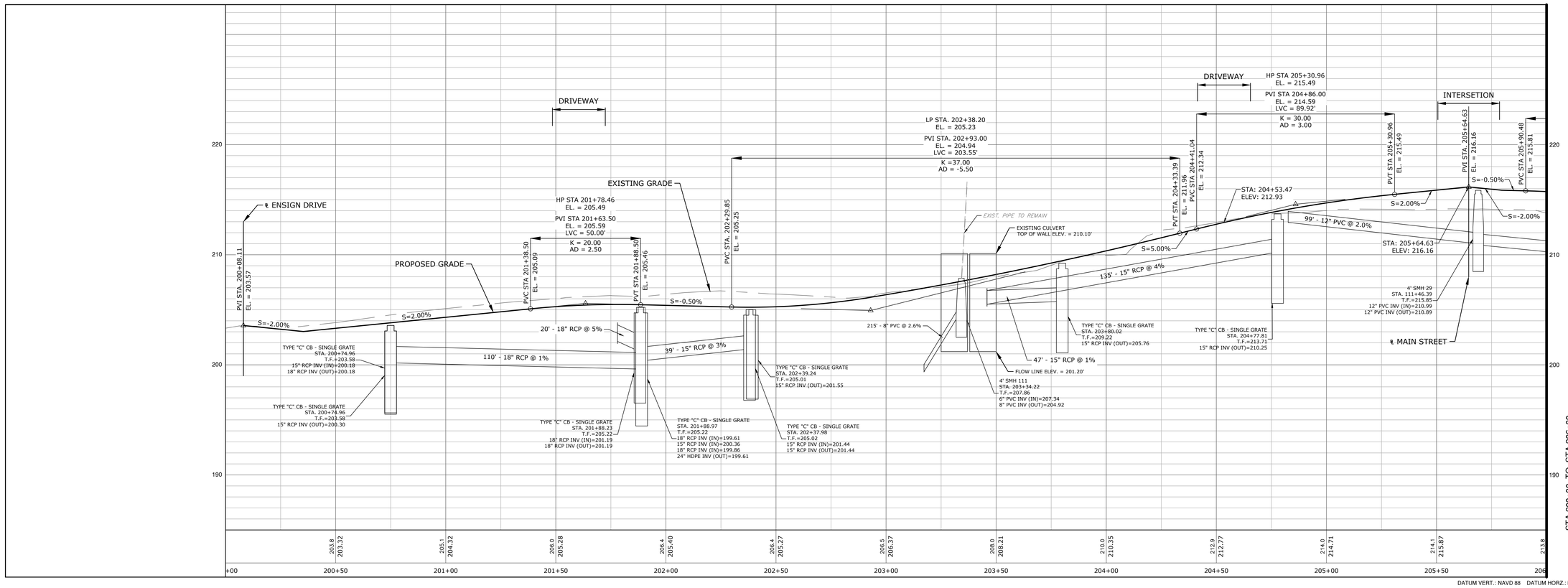
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SHEET TITLE
MAIN STREET
ROADWAY PLAN
AND PROFILE

HPN-09

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

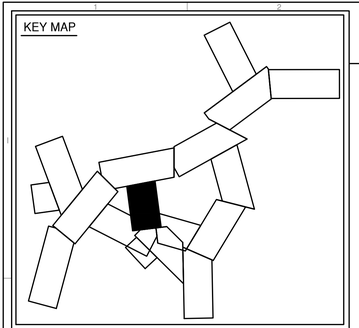
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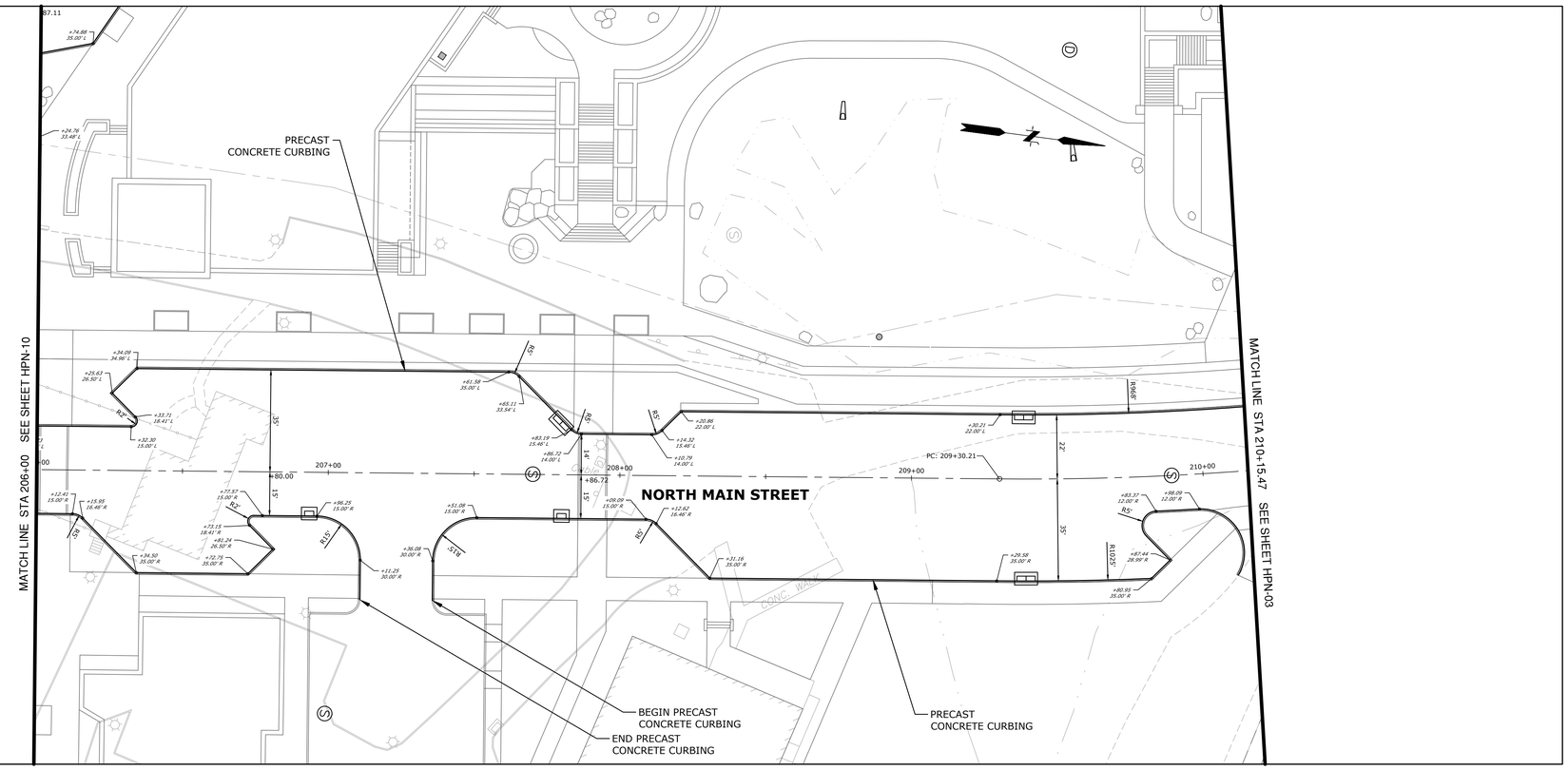
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NORTH MAIN STREET
ROADWAY PLAN
AND PROFILE

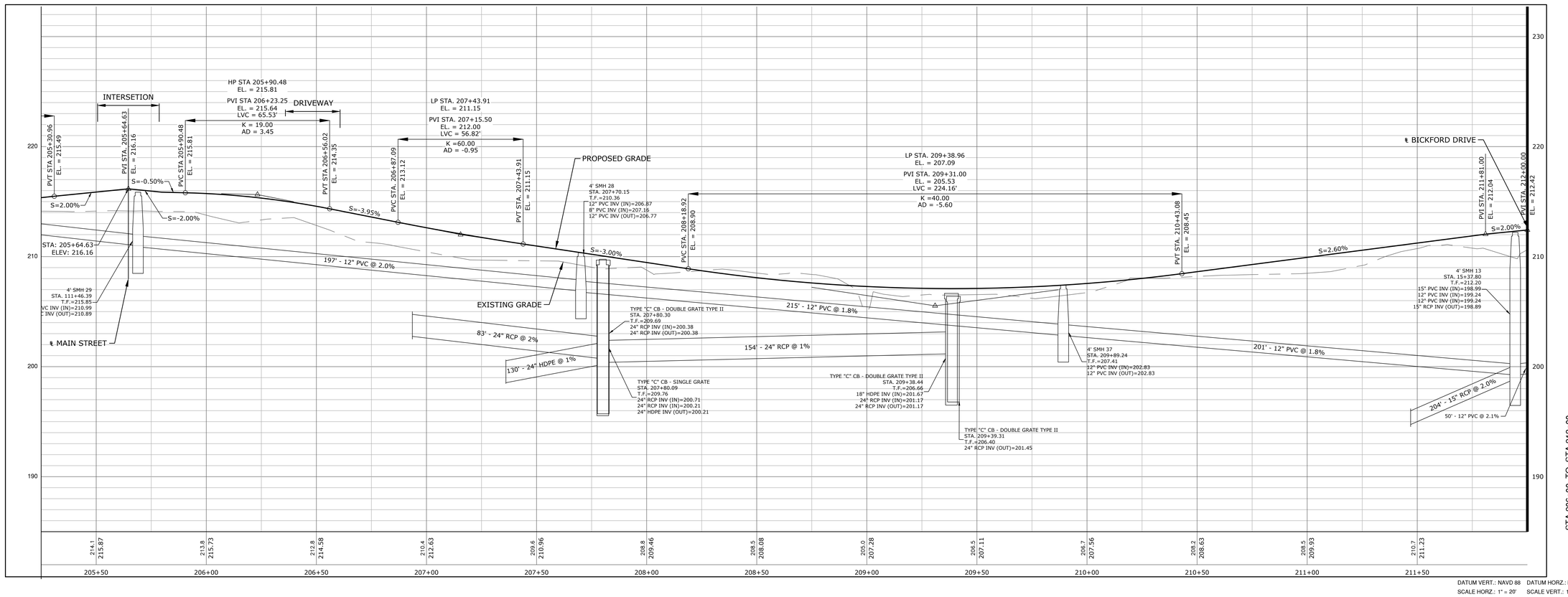
HPN-10

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KEY MAP







STA 206+00 TO STA 212+00

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

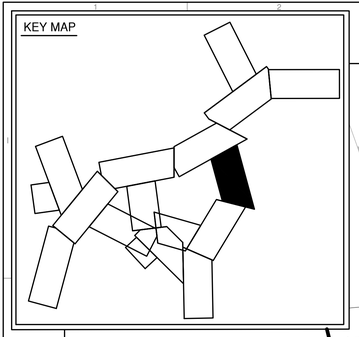
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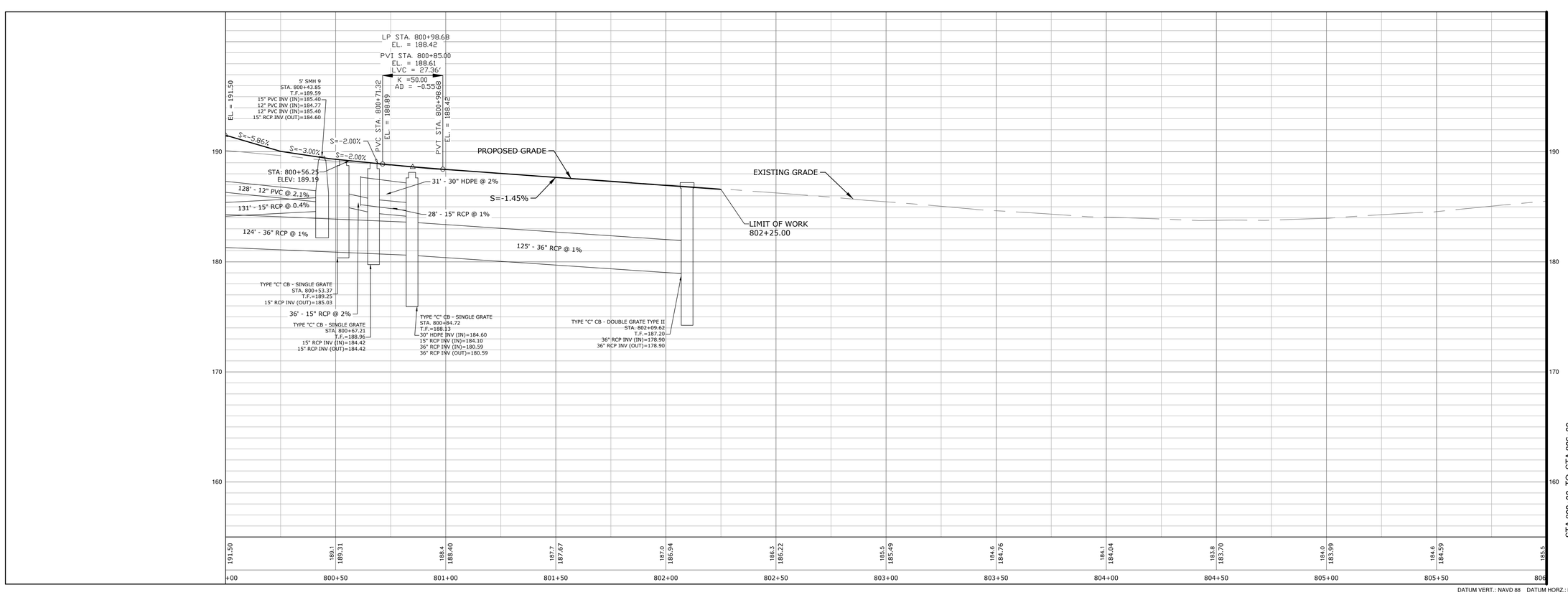
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SHEET TITLE
NORTH MAIN STREET
ROADWAY PLAN
AND PROFILE

HPN-11

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
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RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT JAMES B. MCNALLY 21615 LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

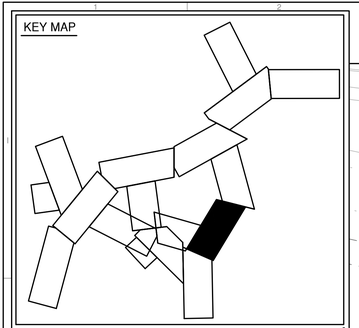
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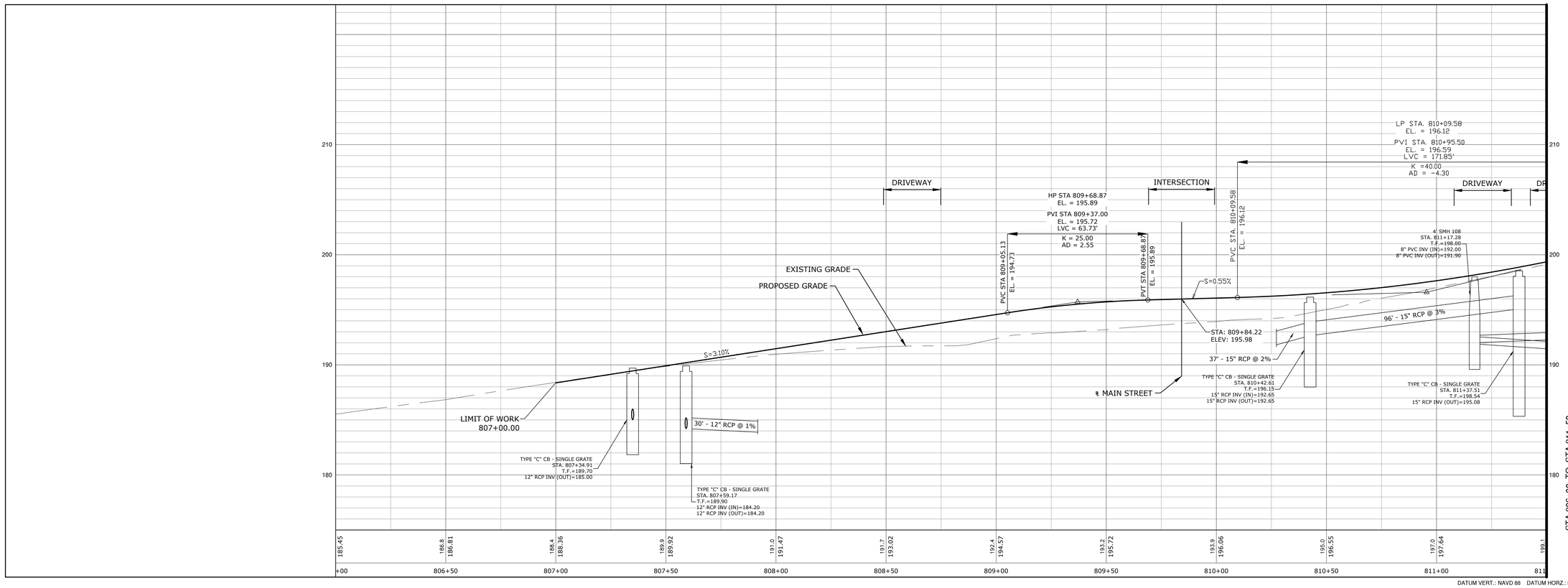
SHEET TITLE
ENSIGN DRIVE
ROADWAY PLAN
AND PROFILE

HPN-12

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
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PHONE: 860-646-2469

ARCHITECT
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FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

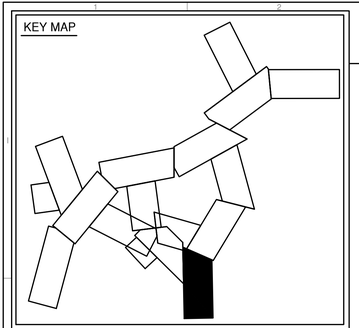
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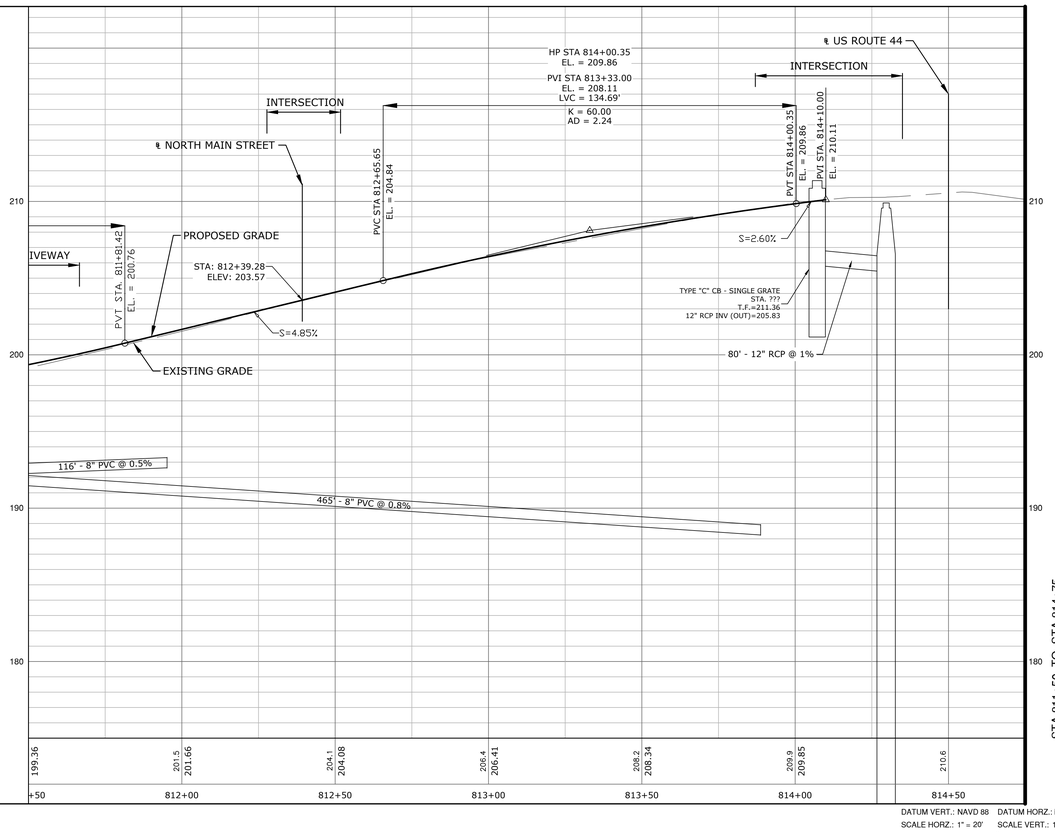
SHEET TITLE
ENSIGN DRIVE
ROADWAY PLAN
AND PROFILE

HPN-13

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
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ARCHITECT
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31 HAYWARD STREET
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PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

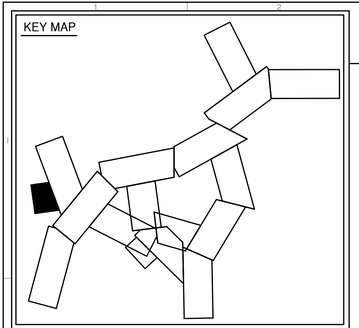
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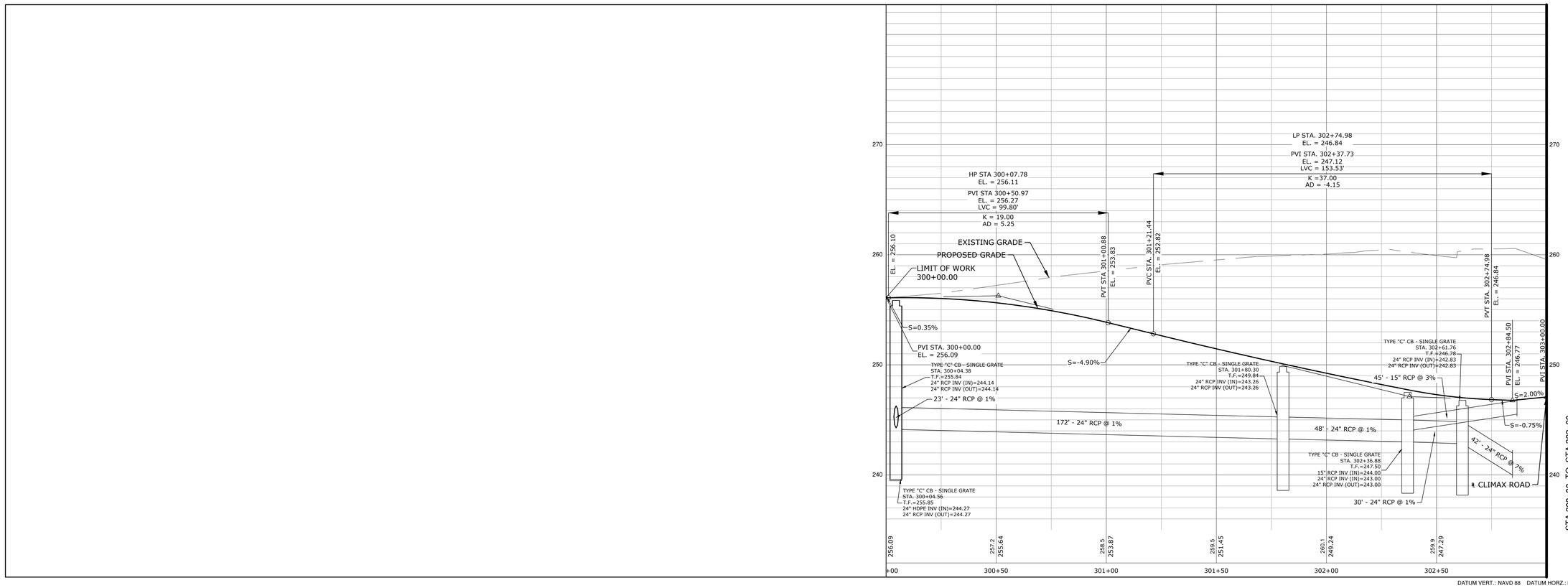
SHEET TITLE
ENSIGN DRIVE
ROADWAY PLAN
AND PROFILE

HPN-14

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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ARCHITECT
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RESIDENTIAL ARCHITECT
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HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

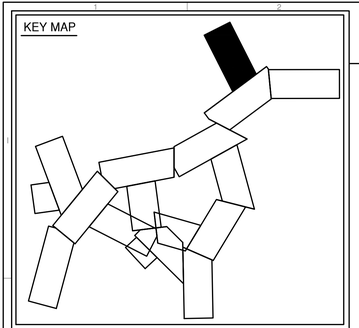
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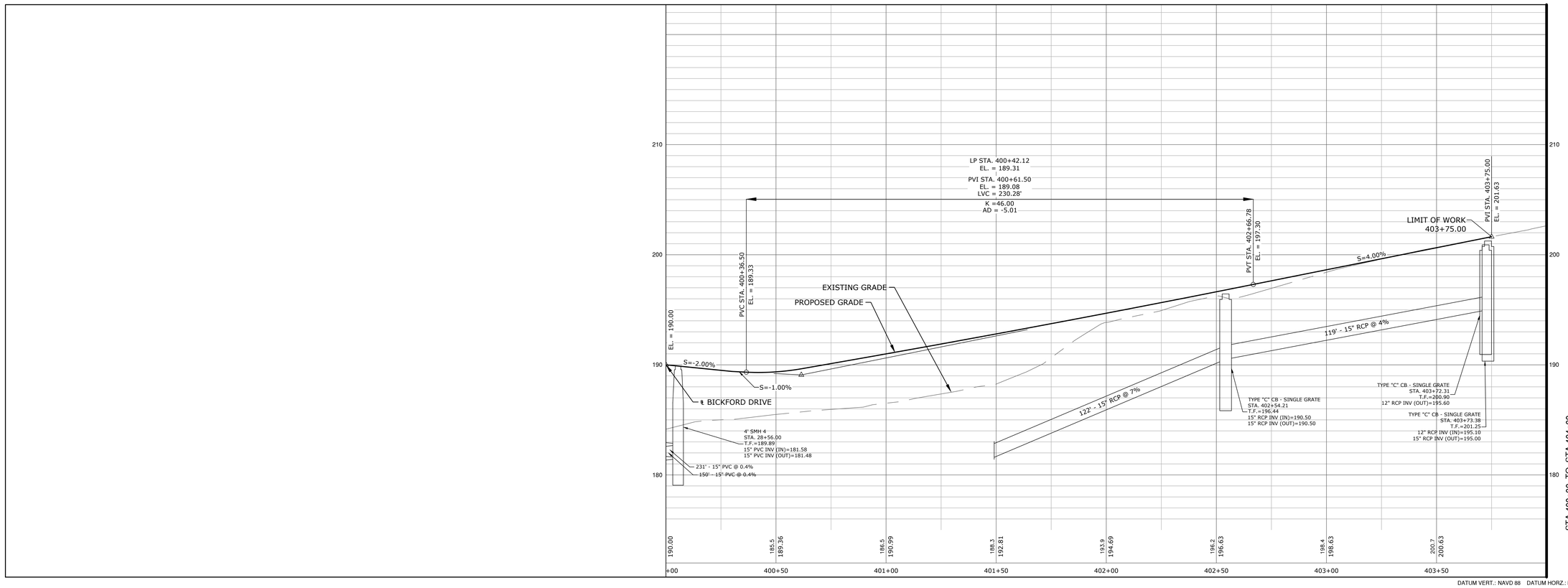
SHEET TITLE
BICKFORD DRIVE Ext.
ROADWAY PLAN
AND PROFILE

HPN-15

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
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JOHNSTON, RI 02919
PHONE: 401-273-6800

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PHONE: 860-678-0669

ENGINEER
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MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
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FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

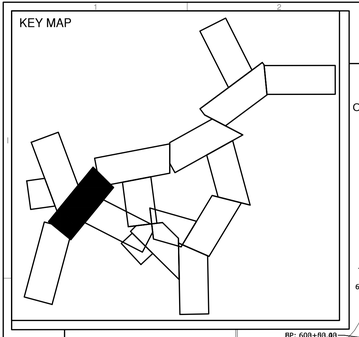
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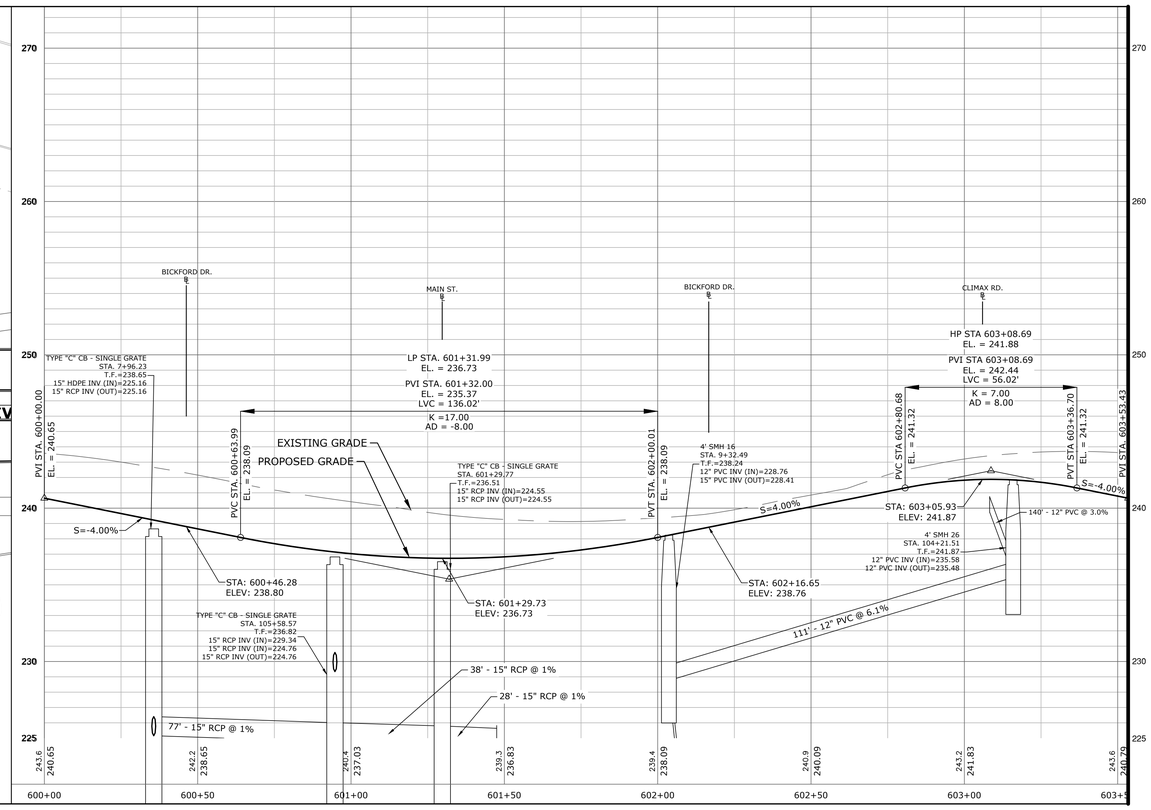
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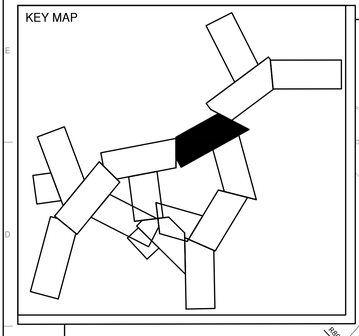
SHEET TITLE
FISHER DRIVE
ROADWAY PLAN
AND PROFILE

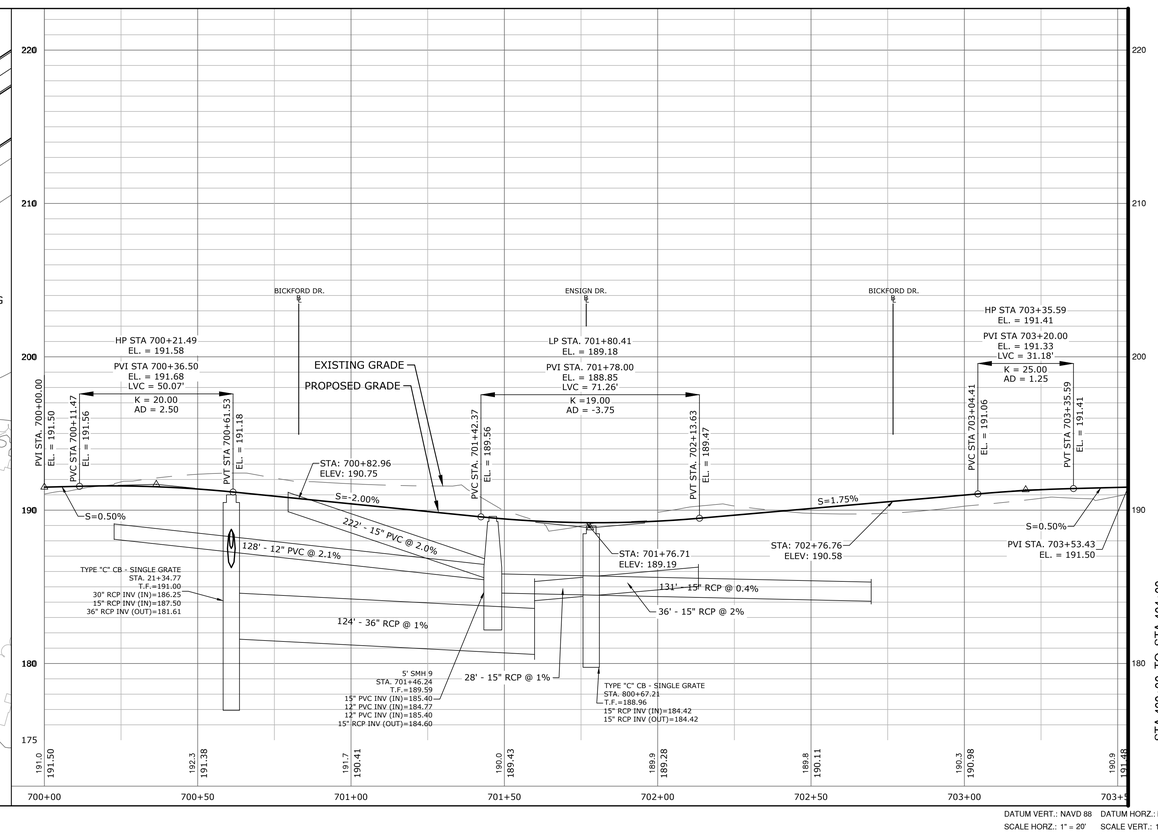
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OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
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FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

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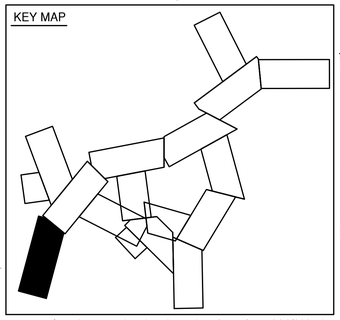
SHEET TITLE
ROUNDABOUT
ROADWAY PLAN
AND PROFILE

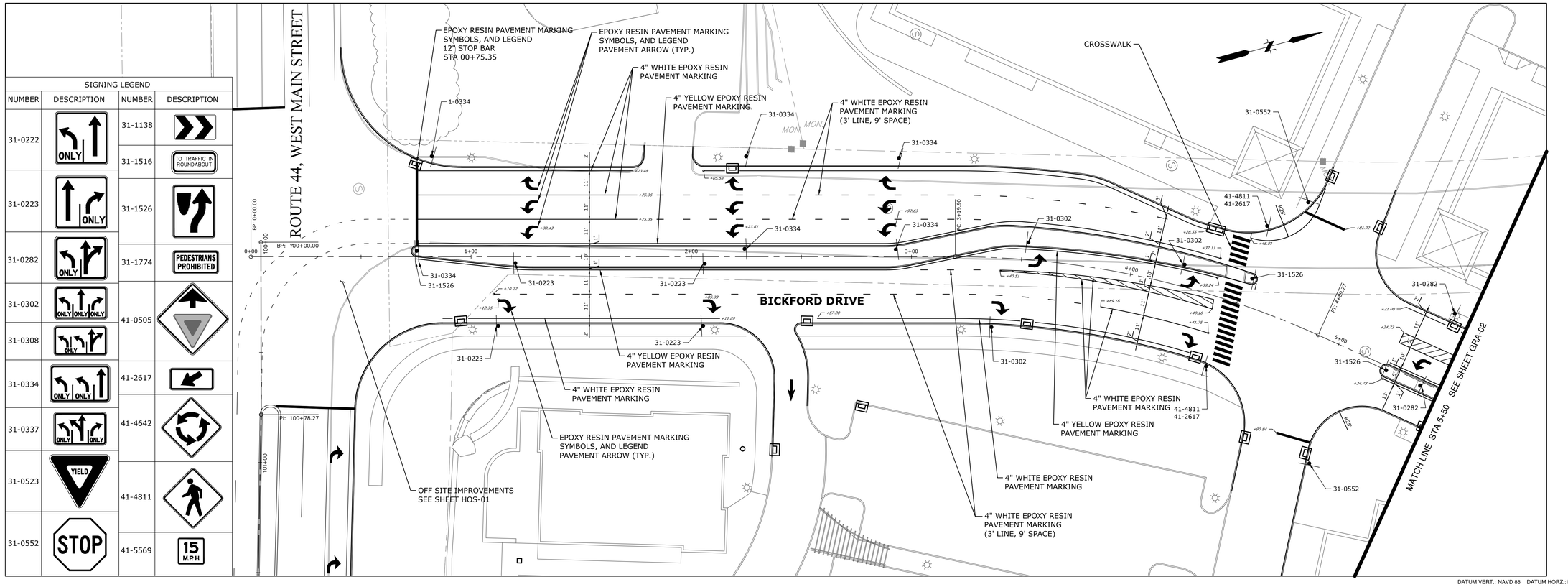
HPN-17

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SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
GRAPHIC SCALE

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KEY MAP





SIGNING LEGEND

NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
31-0222	ONLY	31-1138	
		31-1516	TO TRAFFIC IN ROUNDABOUT
31-0223	ONLY	31-1526	
31-0282	ONLY	31-1774	PEDESTRIANS PROHIBITED
31-0302	ONLY ONLY ONLY	41-0505	
31-0308	ONLY		
31-0334	ONLY ONLY	41-2617	
31-0337	ONLY ONLY	41-4642	
31-0523	YIELD	41-4811	
31-0552	STOP	41-5569	15 M.P.H.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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ENGINEER
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35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT · JAMES B. MAGUIRE · 21615 · LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

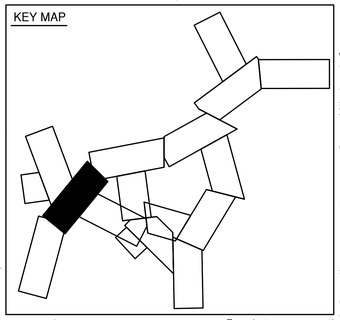
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SHEET TITLE
BICKFORD DRIVE
GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-01

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KEY MAP



MATCH LINE STA 5+50 SEE SHEET GRA-01

MATCH LINE STA 11+75 SEE SHEET GRA-03

BICKFORD DRIVE

CB 104 TYPE "C" SINGLE GRATE

CB 103 TYPE "C" SINGLE GRATE

4' SMH 26

LD YD 217 1' ROUND GRATE

CB 8 TYPE "C" SINGLE GRATE

4' SMH 101

PRC: 7+90.12

PC: 7+02.44

PT: 8+77.81

EP: 105+00.00

BP: 105+00.00

CB 9 TYPE "C" SINGLE GRATE

CB 95 TYPE "C" SINGLE GRATE

PC: 11+17.32

4' SMH 16

CB 6 TYPE "C" SINGLE GRATE

4' SMH 79

CB 262 TYPE "C" SINGLE GRATE

CB 7 TYPE "C" SINGLE GRATE

CB 106 TYPE "C" SINGLE GRATE

LD YD 266 1' ROUND GRATE

PC: 105+67.99

CB 107 TYPE "C" SINGLE GRATE

LD YD 285 1' ROUND GRATE

4' SMH 83

CB 108 TYPE "C" SINGLE GRATE

CB 287 TYPE "C" SINGLE GRATE

PT: 106+24.31

4" WHITE EPOXY RESIN PAVEMENT MARKING

8" WHITE EPOXY RESIN PAVEMENT MARKING

8" WHITE EPOXY RESIN PAVEMENT MARKING (3' LINE, 3' SPACE)

31-0523 31-1516

4" YELLOW EPOXY RESIN PAVEMENT MARKING

CROSSWALK (TYP.)

41-4811 41-2617

31-0282

4" WHITE EPOXY RESIN PAVEMENT MARKING (3' LINE, 9' SPACE)

31-1138 31-1774

41-4642 41-5569

41-0505

EPOXY RESIN PAVEMENT MARKING SYMBOLS, AND LEGEND PAVEMENT ARROW (TYP.)

OWNER/DEVELOPER
AVON TOWN CENTER LLC
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LANDSCAPE ARCHITECT
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PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

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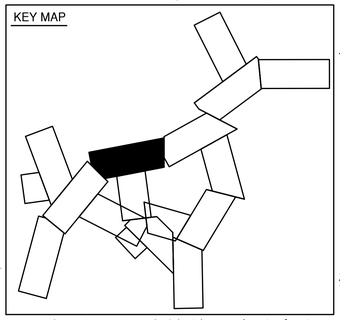
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BICKFORD DRIVE GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

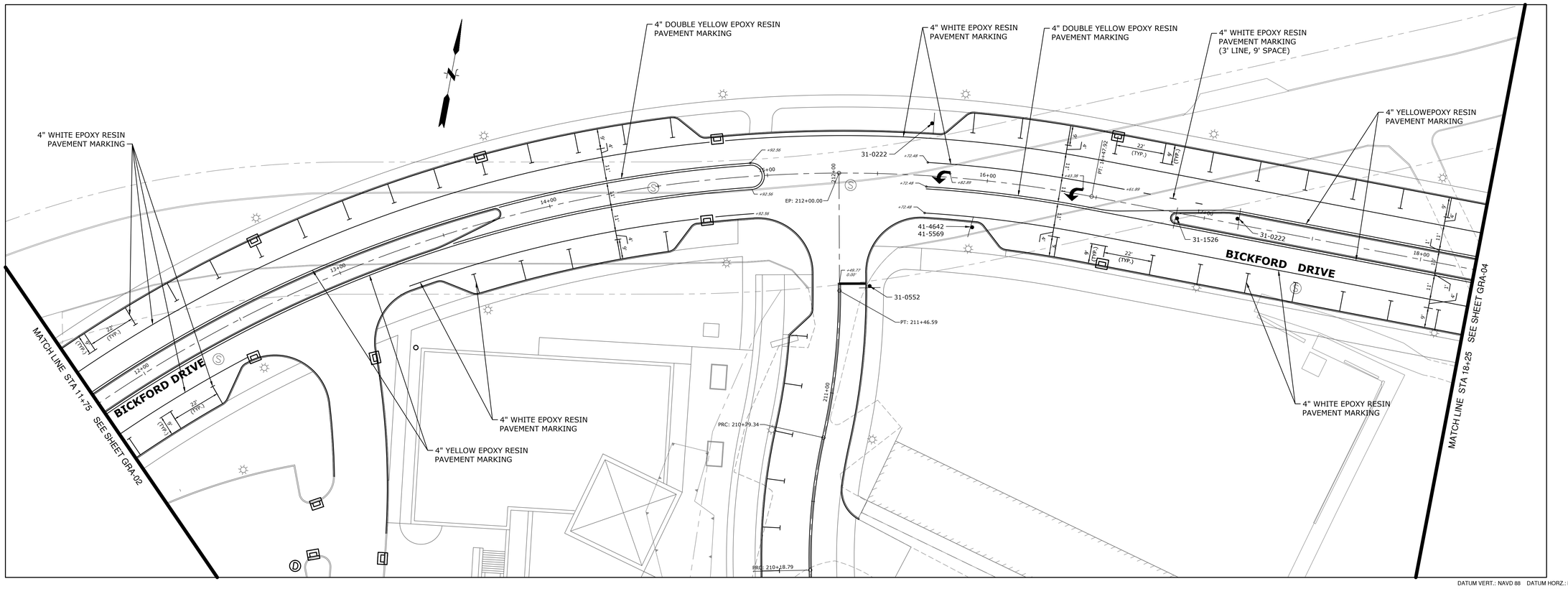
GRA-02

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

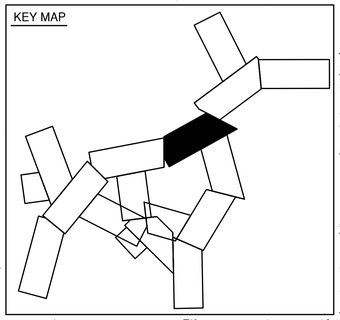
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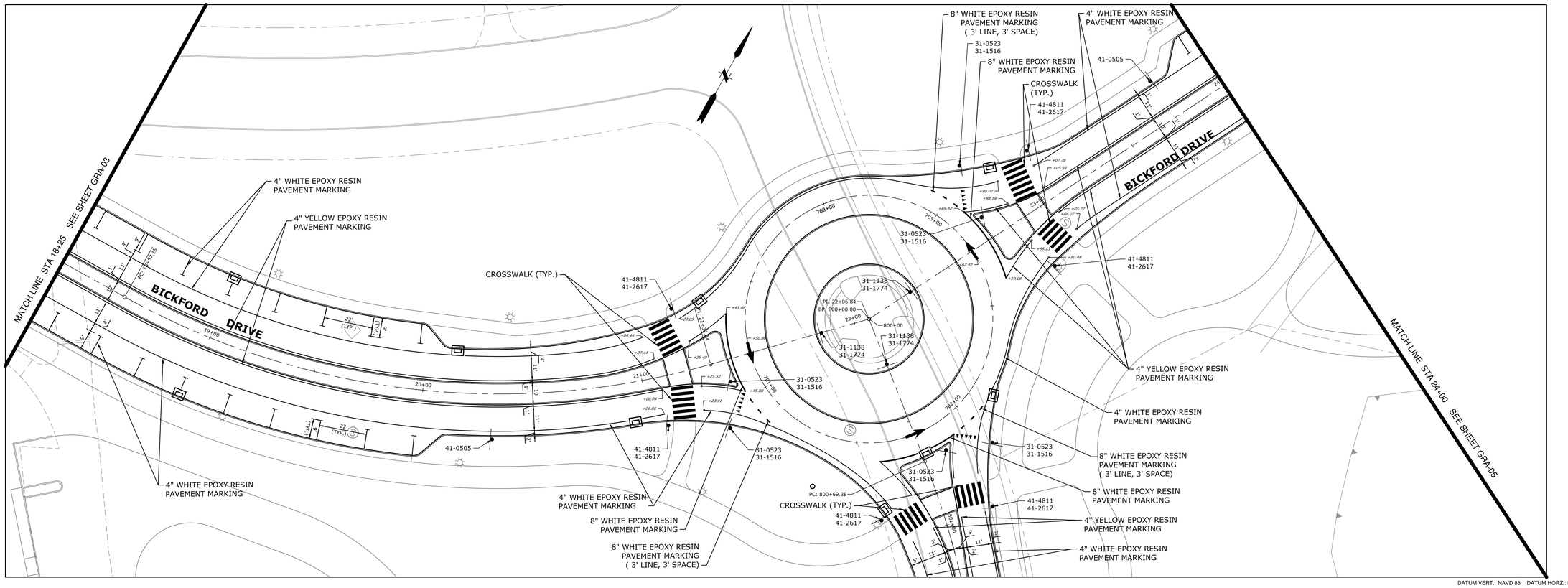
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BICKFORD DRIVE GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-03

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
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ARCHITECT
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RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
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HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

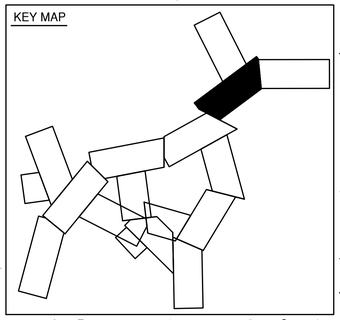
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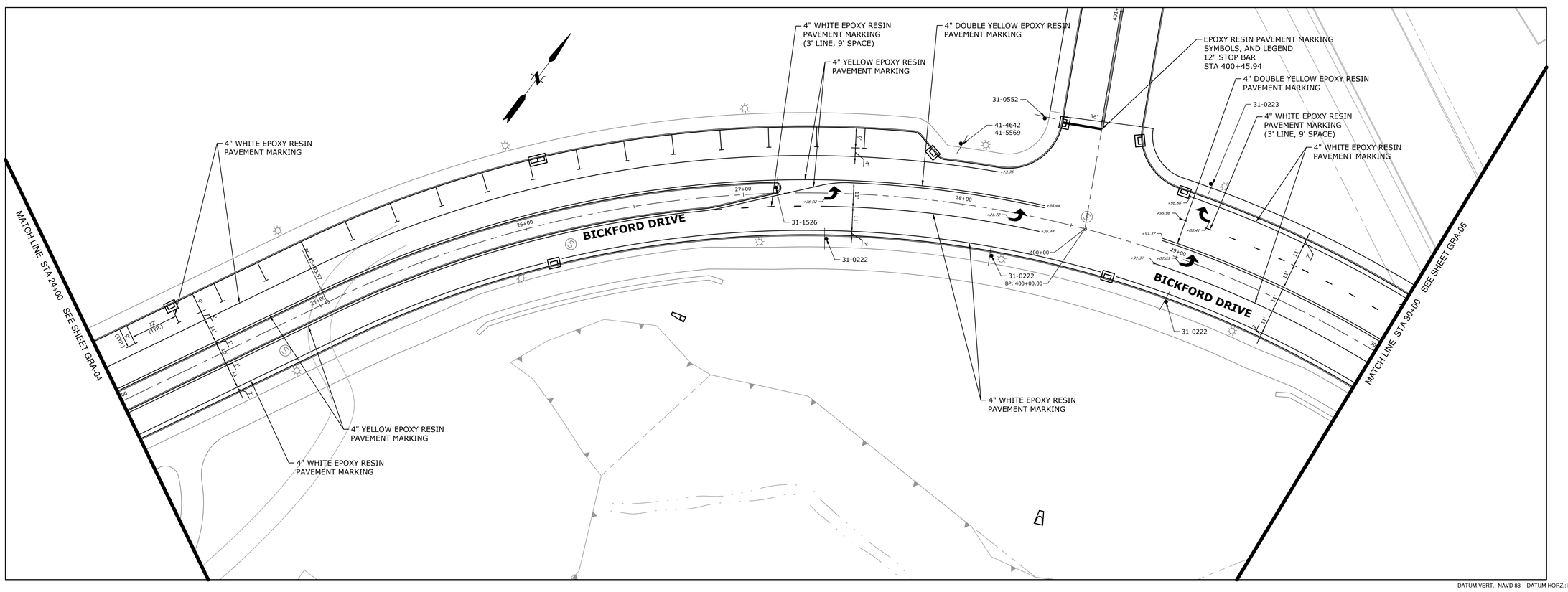
SHEET TITLE
BICKFORD DRIVE GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-04

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
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PHONE: 860-678-0669

ENGINEER
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MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
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PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
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PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

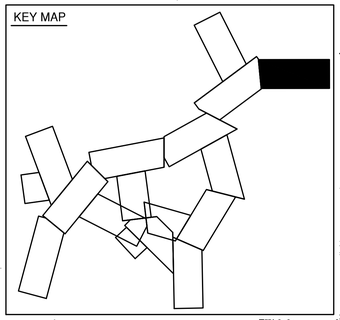
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SHEET TITLE
BICKFORD DRIVE
GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-05

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KEY MAP



4" SMH 72

CB 30
TYPE "C" SINGLE GRATE

CB 31
TYPE "C" SINGLE GRATE

CB 175
5' STORM MANHOLE

CB 24
TYPE "C" SINGLE GRATE

5' SMH 3

CB 26
TYPE "C" SINGLE GRATE

CB 28
TYPE "C" SINGLE GRATE

CB 27
TYPE "C" SINGLE GRATE

CB 148
15" R.C.C.E.

CB 29
TYPE "C" SINGLE GRATE

CB 174
18" R.C.C.E.

MATCH LINE STA 30+00 SEE SHEET GRA-05

BICKFORD DRIVE

ROUTE 10/202

fence line

sign

4" WHITE EPOXY RESIN
PAVEMENT MARKING
(3' LINE, 9' SPACE)

4" DOUBLE YELLOW EPOXY RESIN
PAVEMENT MARKING

EPOXY RESIN PAVEMENT MARKING
SYMBOLS, AND LEGEND
12" STOP BAR
STA 30+51.03, 39.68'L

OFF SITE IMPROVEMENTS
SEE SHEET HOS-02

EPOXY RESIN PAVEMENT MARKING
SYMBOLS, AND LEGEND
12" STOP BAR
STA 34+73.23, 5.50'L

31-0552

31-0223

31-0222

4" DOUBLE YELLOW EPOXY RESIN
PAVEMENT MARKING

4" WHITE EPOXY RESIN
PAVEMENT MARKING

4" DOUBLE YELLOW EPOXY RESIN
PAVEMENT MARKING

MATCH LINE STA 30+00 SEE SHEET GRA-05

BICKFORD DRIVE

ROUTE 10/202

fence line

sign

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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PHONE: 860-678-0669

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PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

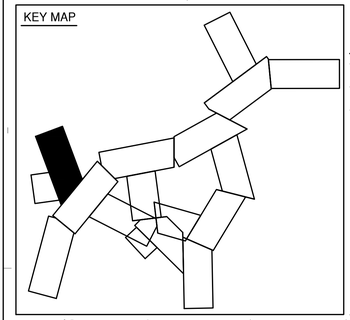
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SHEET TITLE
BICKFORD DRIVE
GRADING, DRAINAGE AND
PAVEMENT MARKING &
SIGNING PLAN

GRA-06

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KEY MAP



DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
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ENGINEER
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MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
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PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

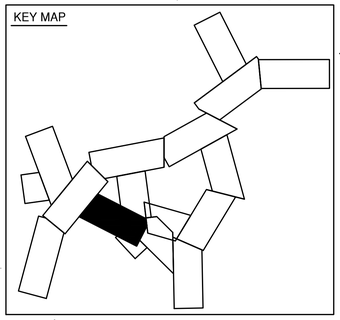
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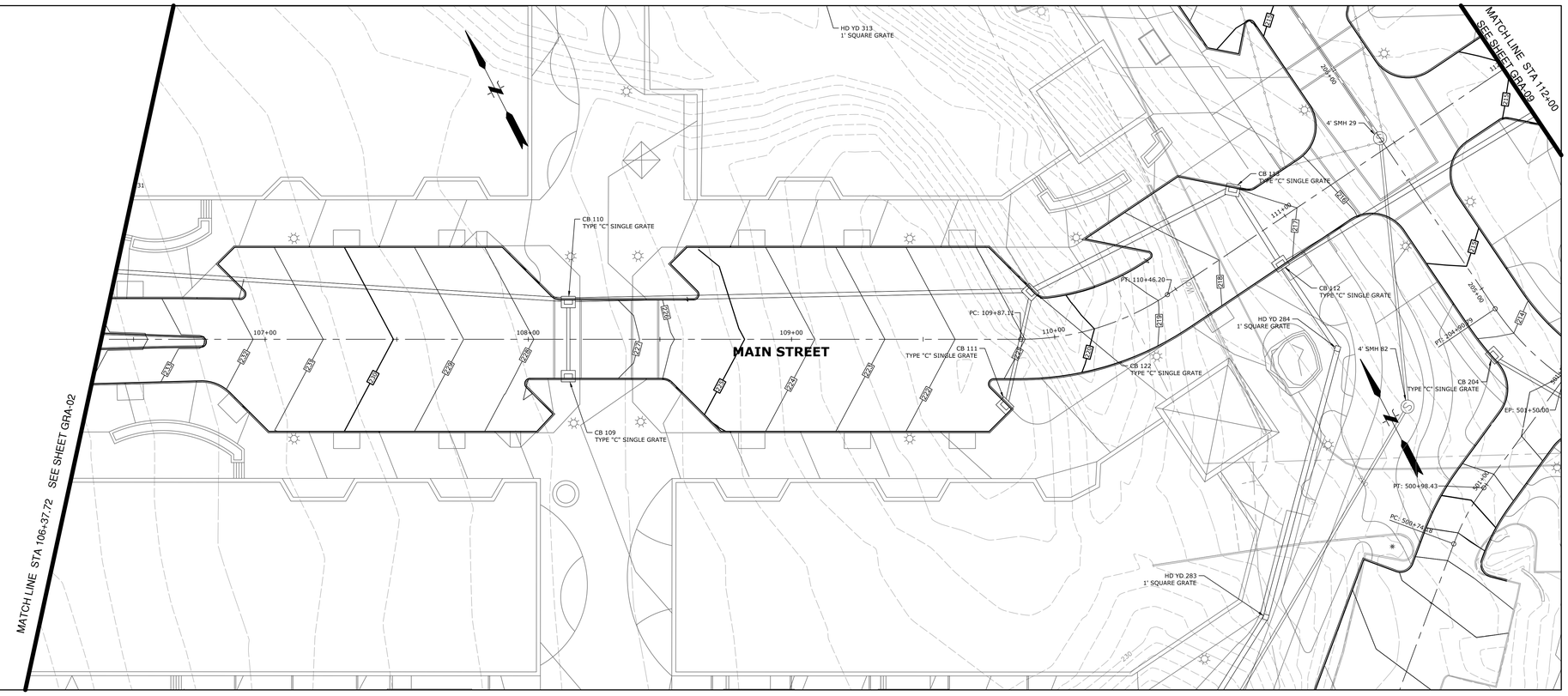
SHEET TITLE
CLIMAX ROAD
GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

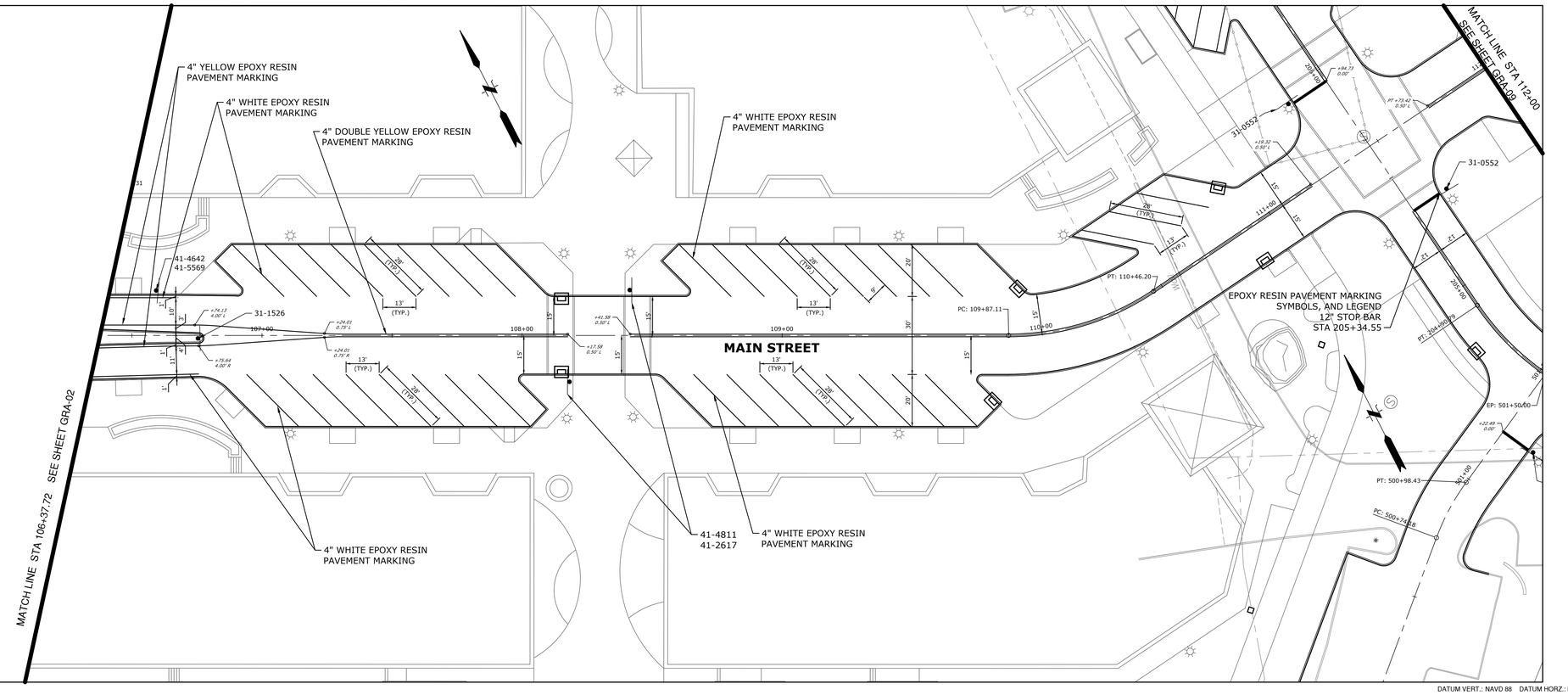
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KEY MAP







DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
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PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
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FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

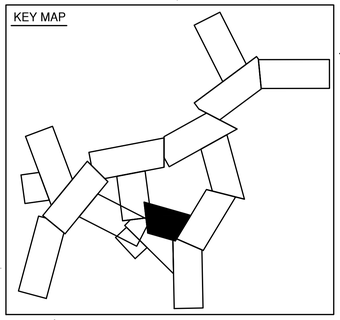
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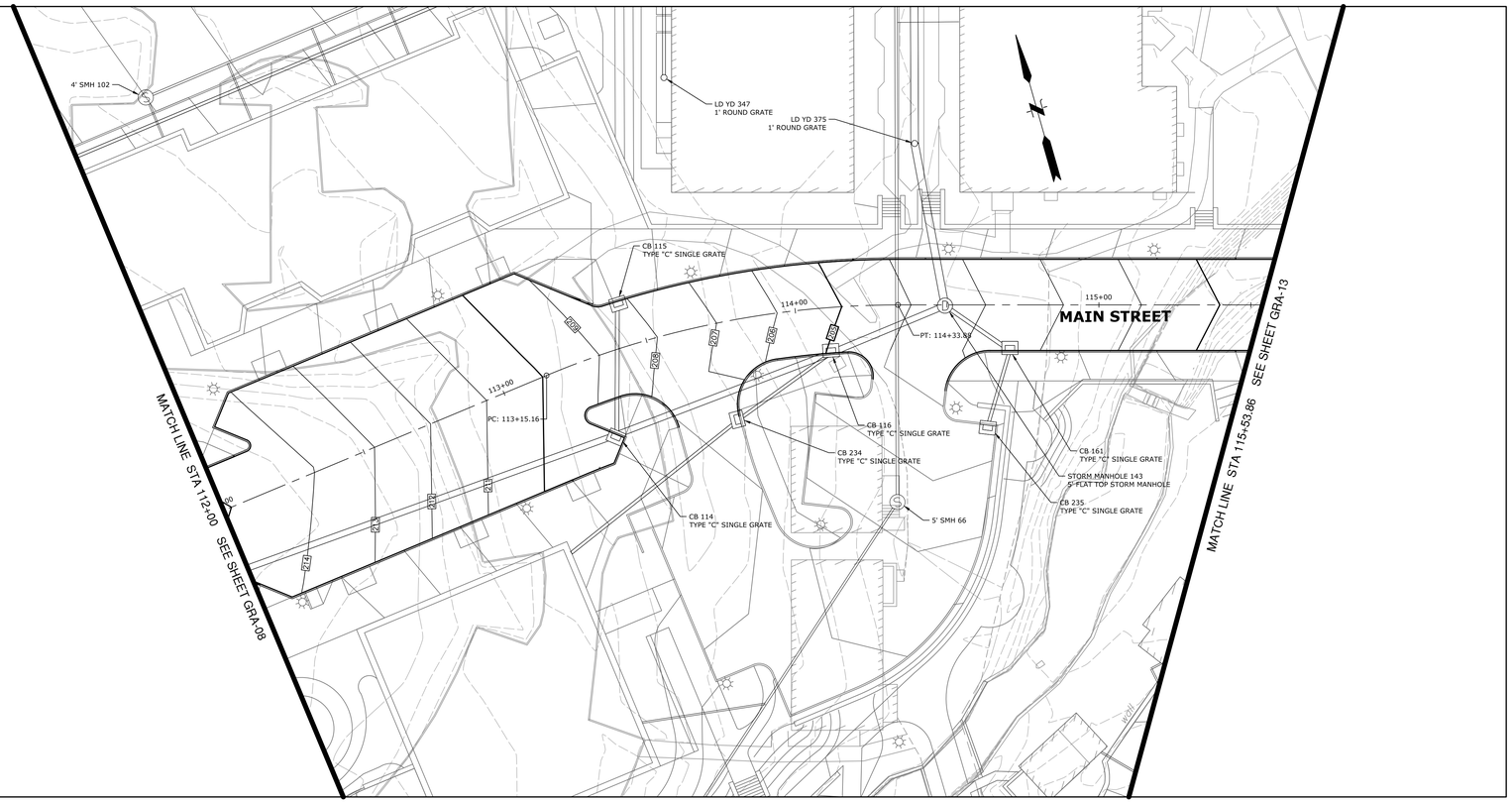
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MAIN STREET
GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

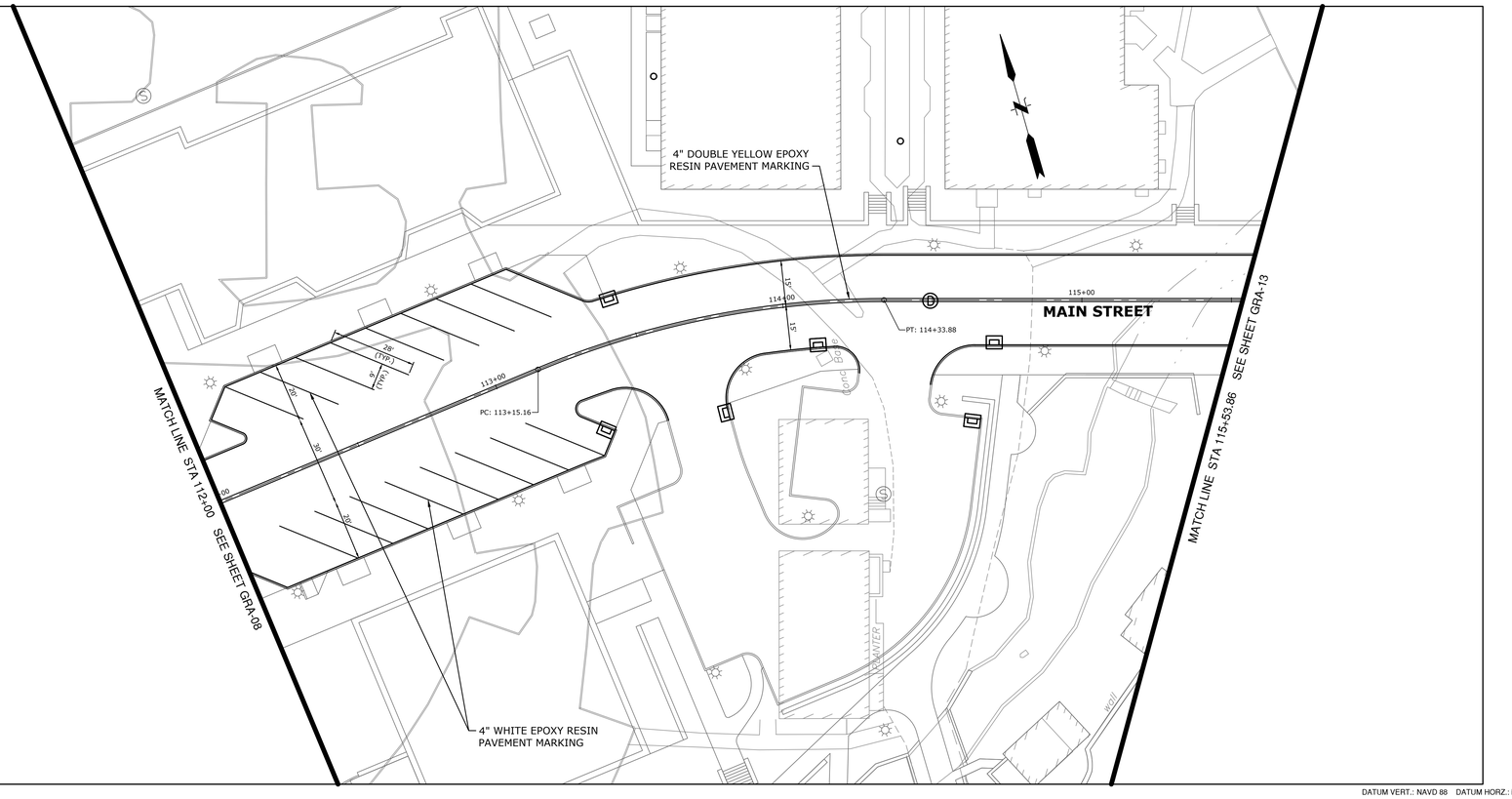
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KEY MAP







DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
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PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

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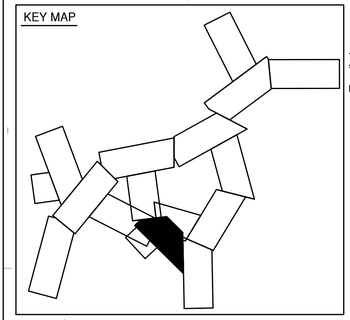
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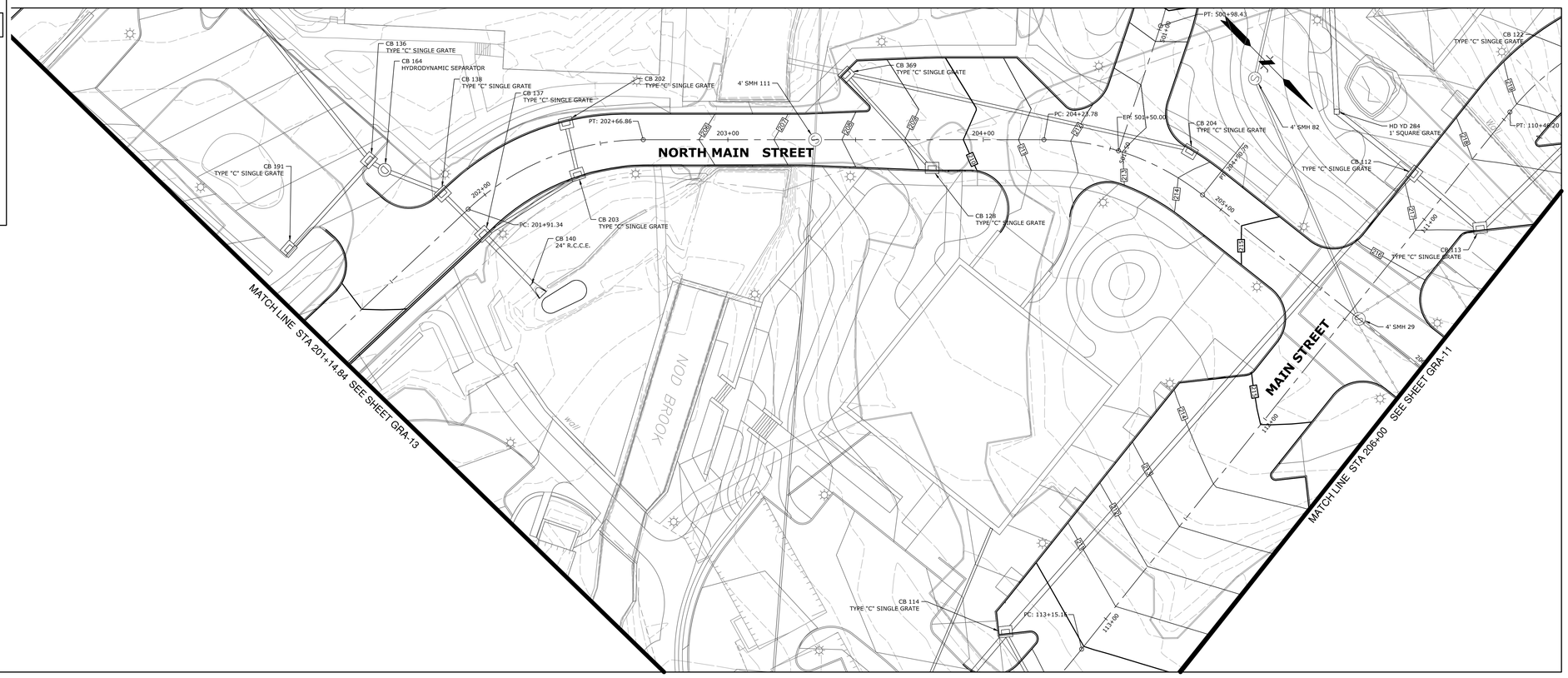
SHEET TITLE
MAIN STREET
GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

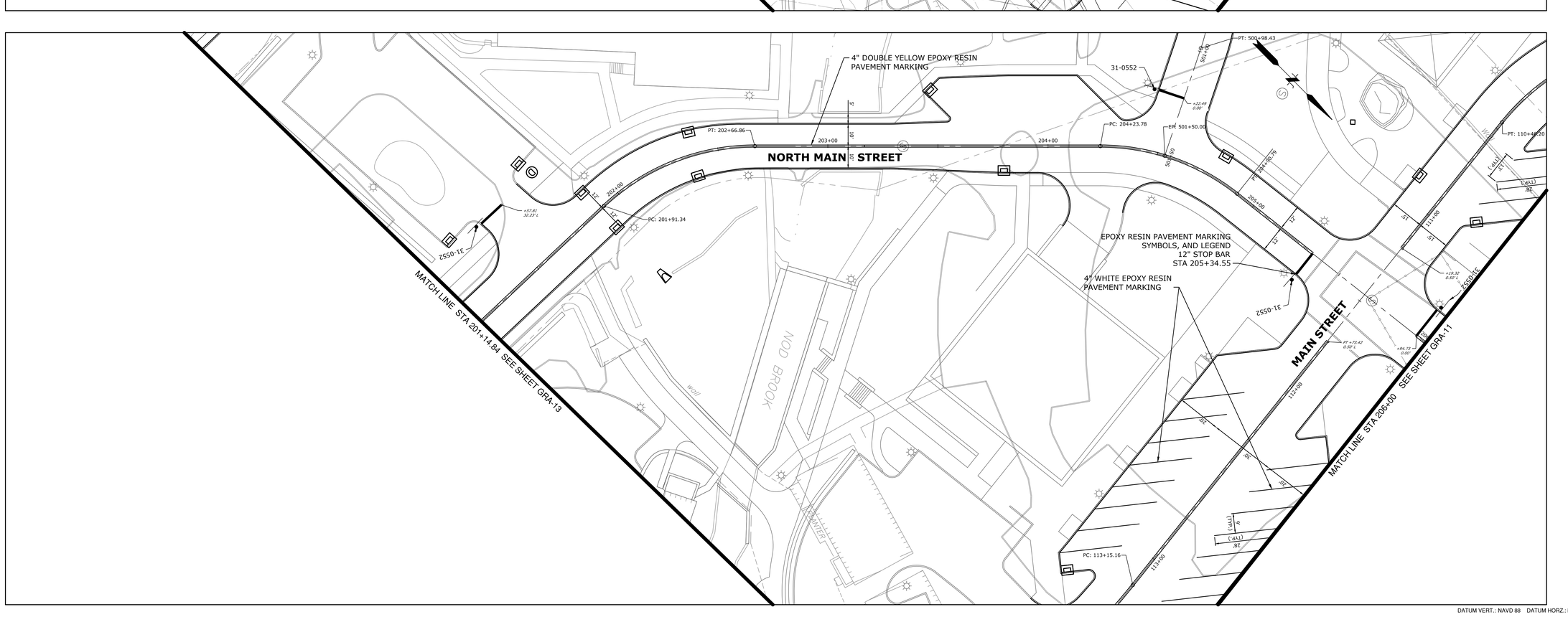
GRA-09

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KEY MAP







DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

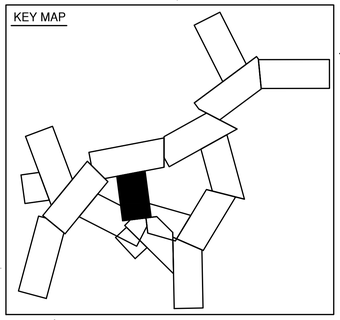
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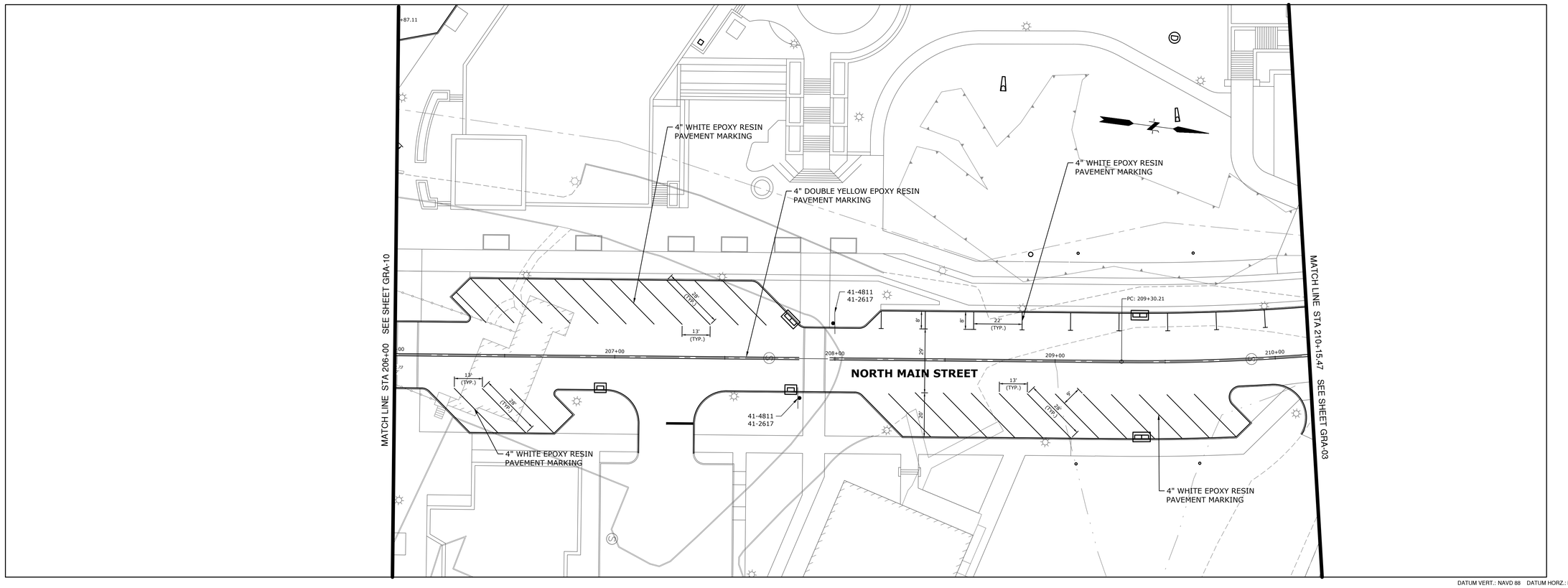
SHEET TITLE
NORTH MAIN STREET GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-10

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
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PHONE: 860-678-0669

ENGINEER
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ARCHITECT
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FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
JAMES B. MCCLUSKEY
LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

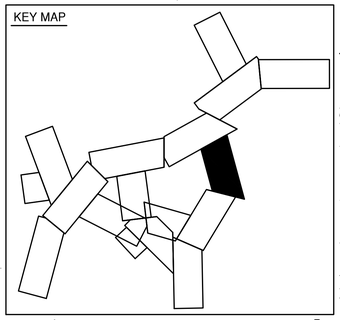
PROJECT NO: 2014 0986.S10
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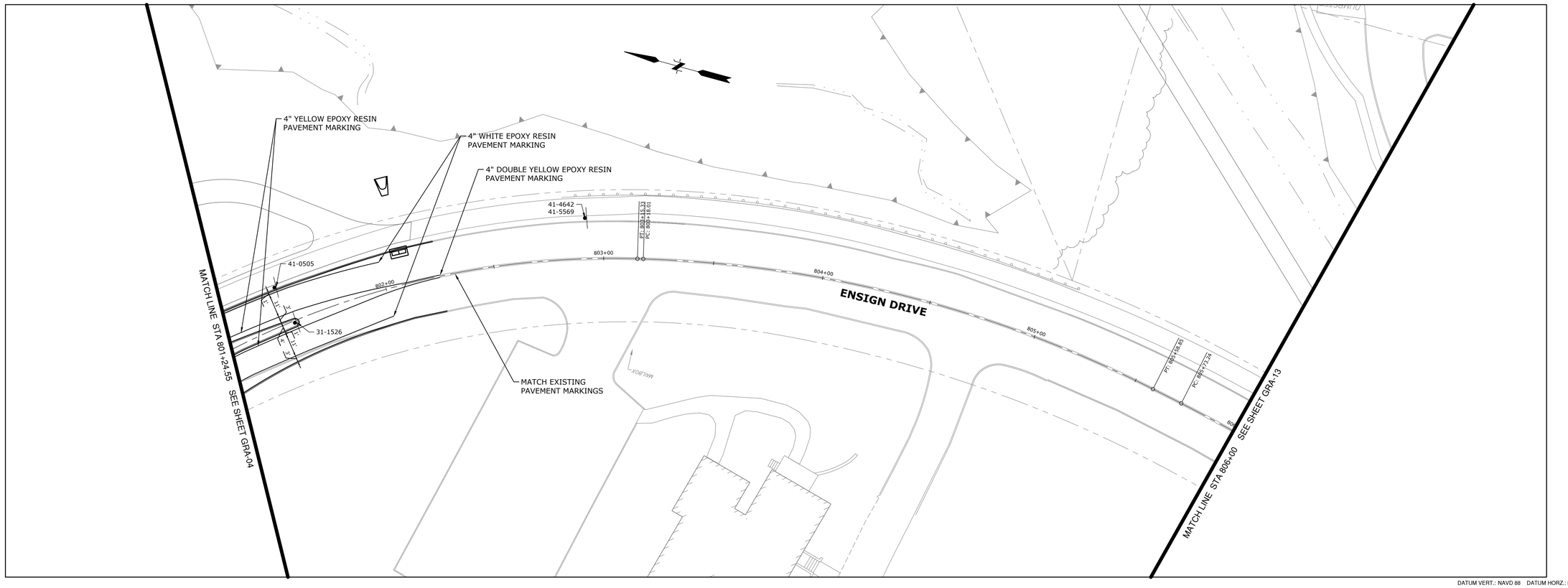
SHEET TITLE
NORTH MAIN STREET GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-11

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
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35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
KEVIN P. RICHTER
LICENSED
PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

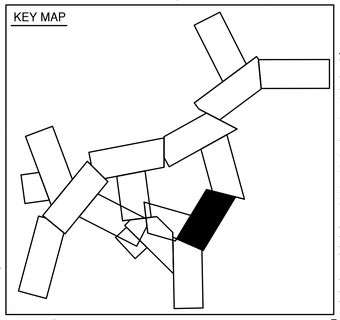
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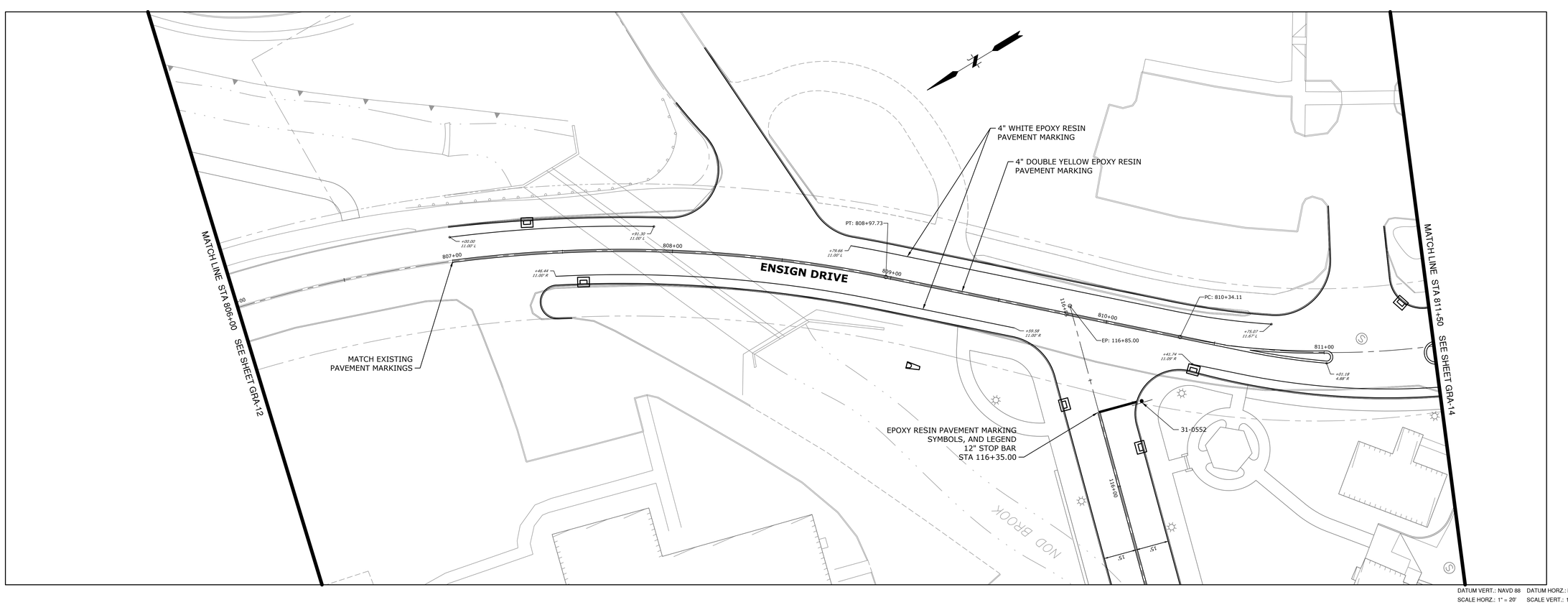
SHEET TITLE
ENSIGN DRIVE
GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-12

J:\DWG\P2014\0986S10\Civil\Plan\Phase 1\2014\0986S10_GRA01_Phase 1.dwg 05/14/2018 4:08:08 PM jguzze

KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT · 21 · JOHN B. MURPHY · LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

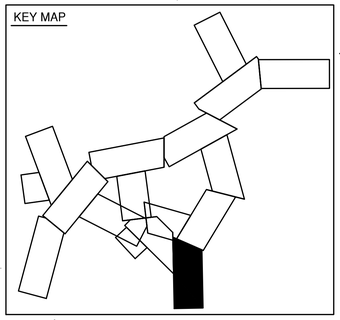
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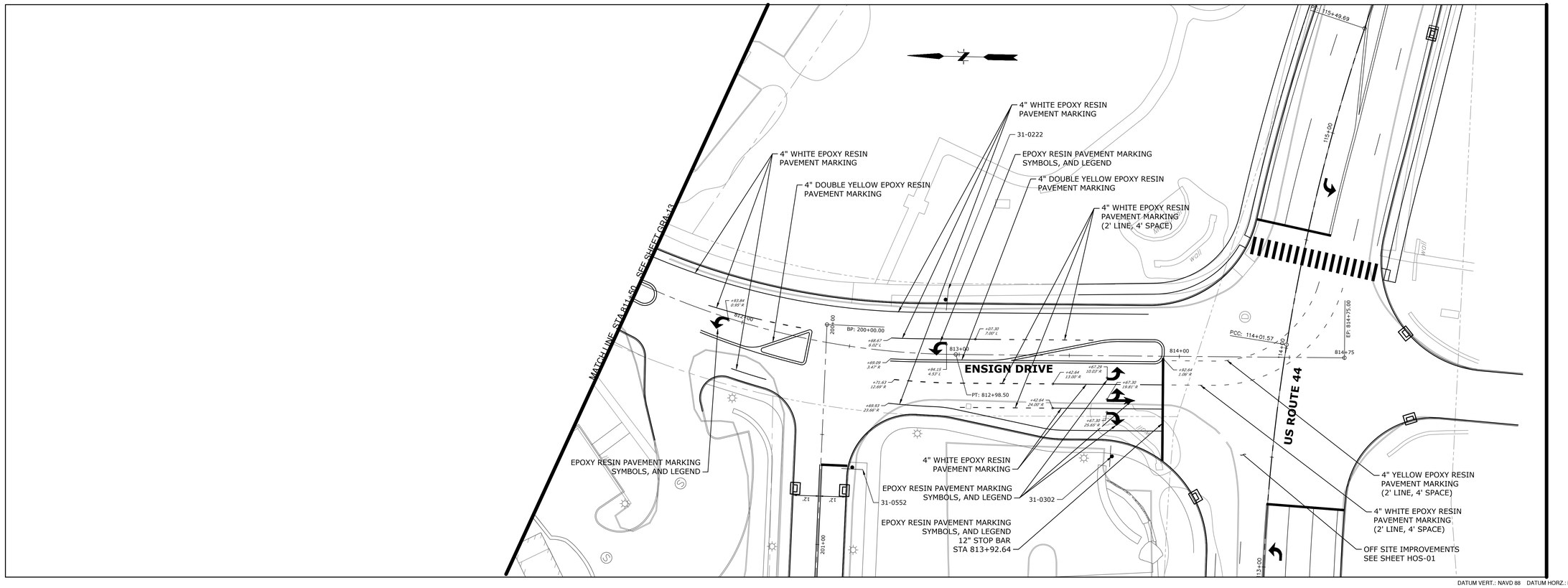
SHEET TITLE
ENSIGN DRIVE
GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-13

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

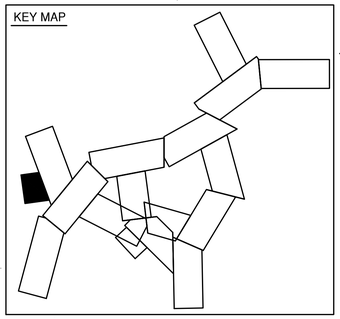
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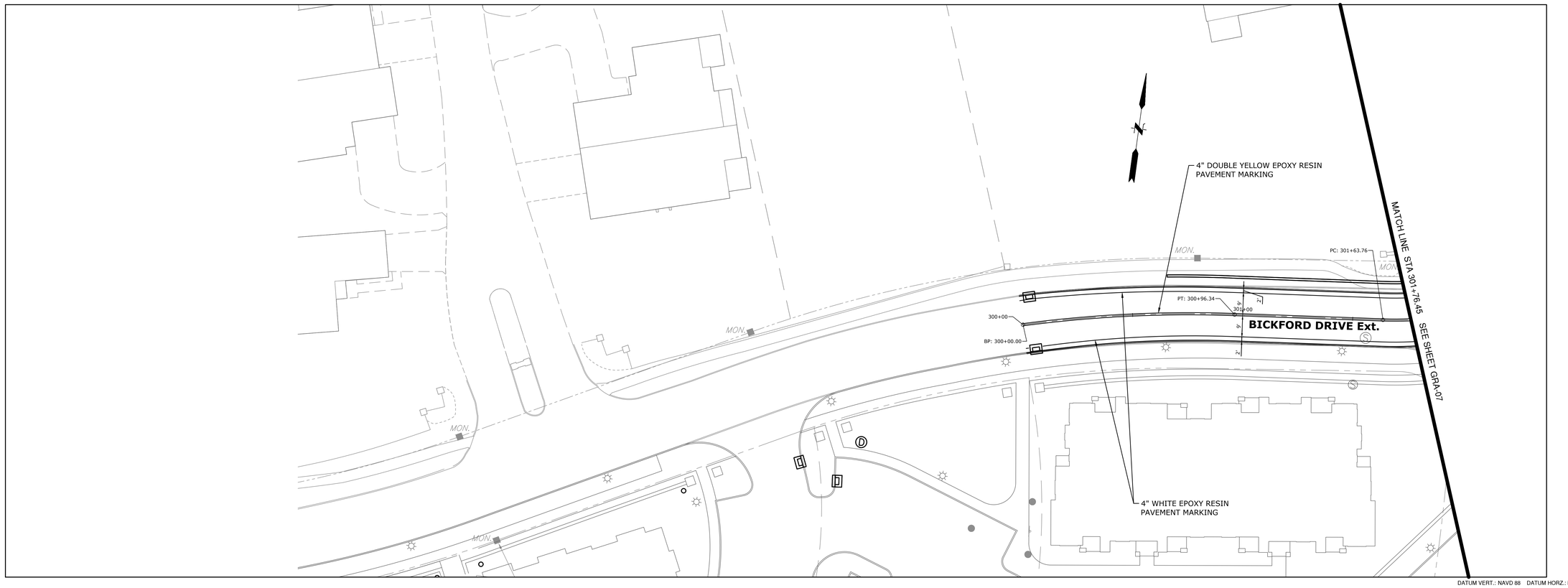
SHEET TITLE
ENSIGN DRIVE GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-14

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KEY MAP





DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
20 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
KEVIN P. RICHTER
LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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SHEET TITLE
BICKFORD DRIVE Ext.
GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

GRA-15

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OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
ERIKSON O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
JEC Architects (Formerly French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
53 CENTRE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
7035 E. WASHINGTON AVENUE
UNIONVILLE, CT. 06085
PHONE: 860-673-0444

AVON VILLAGE CENTER
PHASE ONE
AVON, CONNECTICUT

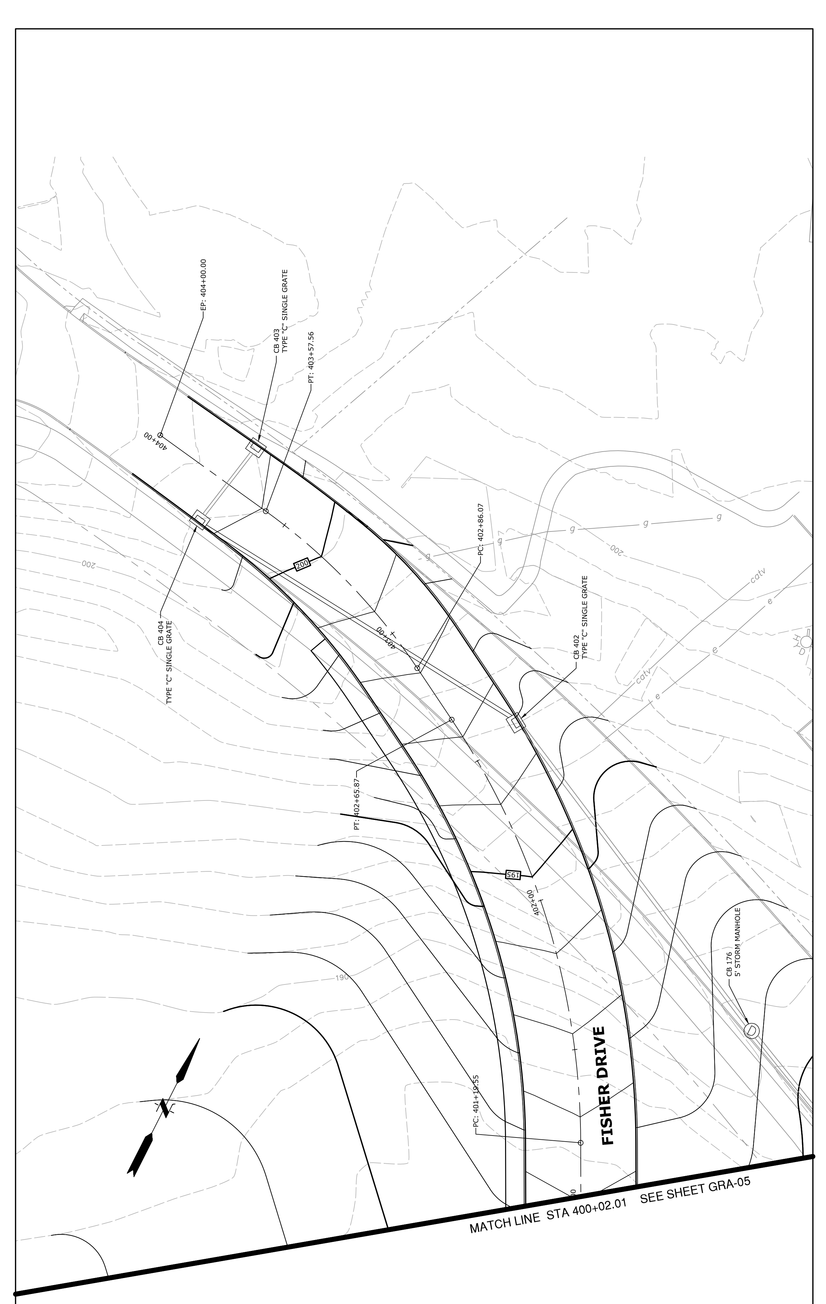
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	05/16/18	PERMITTING SET

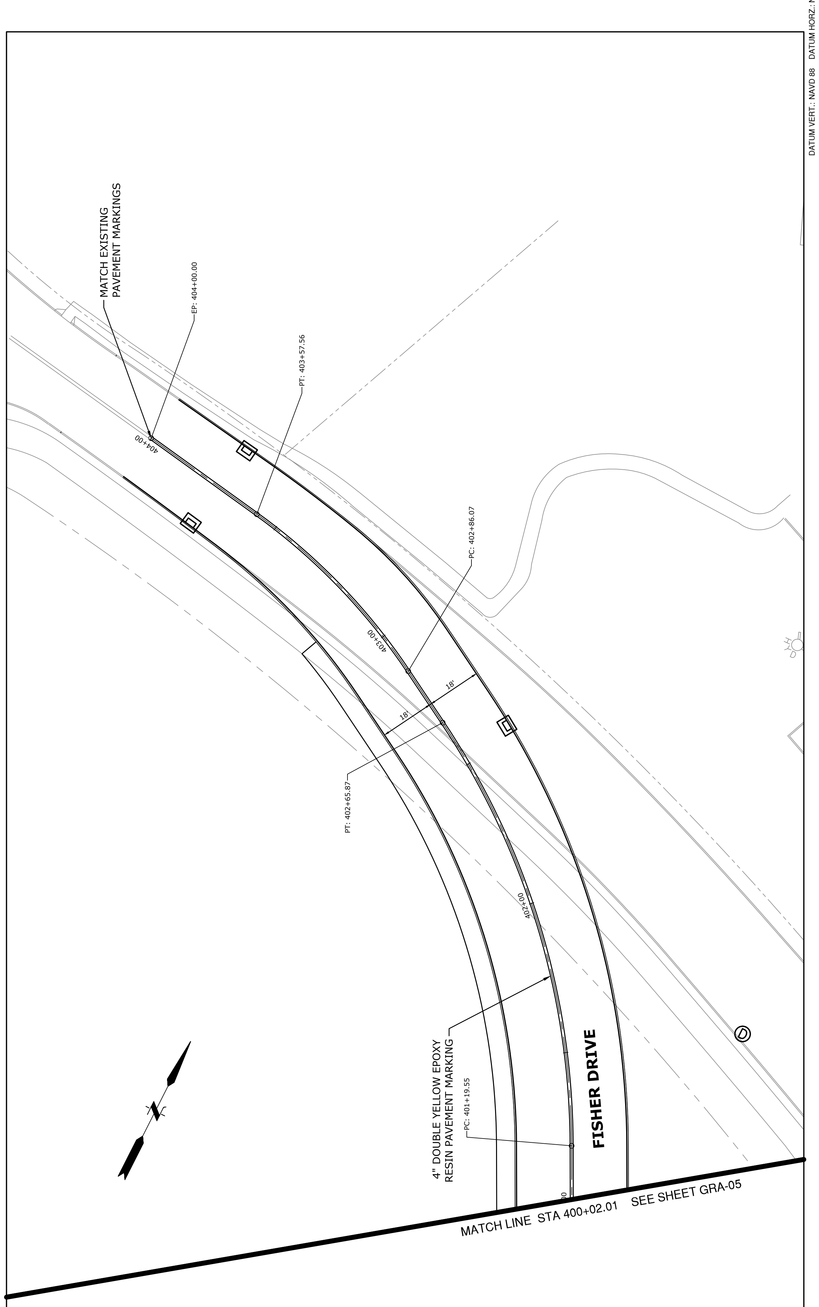
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SHEET TITLE
FISHER DRIVE
GRADING, DRAINAGE AND PAVEMENT MARKING & SIGNING PLAN

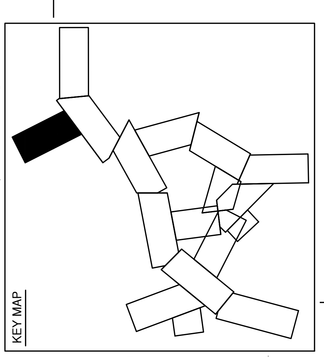
GRA-16

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 20' SCALE VERT.: 1" = 4'
0 20 40
GRAPHIC SCALE





KEY MAP



SIGNING LEGEND

NUMBER	DESCRIPTION	NUMBER	DESCRIPTION
31-0222	ONLY	31-1138	
31-0223	ONLY	31-1516	TO TRAFFIC IN ROUNDABOUT
31-0282	ONLY	31-1526	
31-0302	ONLY ONLY	31-1774	PEDESTRIANS PROHIBITED
31-0308	ONLY	41-0505	
31-0334	ONLY	41-2617	
31-0337	ONLY	41-4642	
31-0523	YIELD	41-4811	
31-0552	STOP	41-5569	15 M.P.H.

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PHASE I

LEGEND:

WORK AREA

TEMPORARY TRAVEL LANES DURING CONSTRUCTION

TYPE III BARRICADE WITH ATTACHED SIGN

NOTES:

1. ERADICATE EXISTING CONFLICTING PAINTED PAVEMENT MARKINGS DURING STAGED CONSTRUCTION.
2. MAINTAIN PEDESTRIAN PATH DURING CONSTRUCTION.
3. PLAN MAY NEED TO BE MODIFIED TO COORDINATE WITH OTHERS PROJECTS.

LEGEND

ID	NUMBER	DESCRIPTION
A	80-1613 30"X24"	CONSTRUCTION AHEAD ROAD USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION
B	80-1619 48"X30"	CONSTRUCTION AHEAD SIDEWALK USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION
C	80-9602 30"X30"	ROAD WORK AHEAD
D	80-9080	ROAD CLOSED
E	80-9612 48"X24"	END ROAD WORK
F	80-9916 48"X10"	ENSIGN DRIVE
G	80-9916 48"X10"	FISHER DRIVE
H	80-9916 48"X10"	CLIMAX ROAD
I	80-9916 48"X10"	ROUTE 10/202
J	80-9928	BUSINESSES OPEN DURING CONSTRUCTION
K	80-4601 36"X24"	TOWN HALL ENTRANCE
L	80-4601 36"X24"	POLICE STATION ENTRANCE
M	80-4601 36"X24"	BUSINESS ENTRANCE
N	80-9701R	DETOUR
O	80-9702L	DETOUR
P	80-9703 30"X24"	DETOUR
Q	80-9703 30"X24"	DETOUR
R	80-9713 30"X24"	DETOUR
S	80-9710	DETOUR
T	80-4601 36"X24"	ROAD CLOSED USE BUSHY HILL RD
U	80-9916 48"X10"	ROUTE 44
V	80-9916 48"X10"	BICKFORD DR

MAINTAIN TWO-WAY TRAFFIC DURING STAGE1

TRAFFIC CONES SPACED @25'

FISHER DRIVE

ARTS CENTER CT.

ENSIGN DRIVE

PARKSIDE LN.

ROUTE 10/202

WOODFORD AVE.

CLIMAX HEIGHTS RD.

CLIMAX ROAD

BICKFORD DRIVE Ext.

US ROUTE 44

100'

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 100' SCALE VERT.: 1" = 10'
100 0 100
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

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CONSTRUCTION SEQUENCE AND MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

MPT-01

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STAGE II

LEGEND:

WORK AREA

TEMPORARY TRAVEL LANES DURING CONSTRUCTION

TYPE III BARRICADE

NOTES:

1. ERADICATE EXISTING CONFLICTING PAINTED PAVEMENT MARKINGS DURING STAGED CONSTRUCTION.
2. MAINTAIN PEDESTRIAN PATH DURING CONSTRUCTION.
3. PLAN MAY NEED TO BE MODIFIED TO COORDINATE WITH OTHERS PROJECTS.

LEGEND

ID	NUMBER	DESCRIPTION
A	80-1613 30"X24"	CONSTRUCTION AHEAD / ROAD USE RESTRICTED / STATE LIABILITY LIMITED / GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION
B	80-1619 48"X30"	CONSTRUCTION AHEAD / SIDEWALK USE RESTRICTED / STATE LIABILITY LIMITED / GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION
C	80-9602 30"X30"	ROAD WORK AHEAD
D	80-9080	ROAD CLOSED
E	80-9612 48"X24"	END ROAD WORK
F	80-9916 48"X10"	ENSIGN DRIVE
G	80-9916 48"X10"	FISHER DRIVE
H	80-9916 48"X10"	CLIMAX ROAD
I	80-9916 48"X10"	ROUTE 10/202
J	80-9928	BUSINESSES OPEN DURING CONSTRUCTION
K	80-4601 36"X24"	TOWN HALL ENTRANCE
L	80-4601 36"X24"	POLICE STATION ENTRANCE
M	80-4601 36"X24"	BUSINESS ENTRANCE
N	80-9701R	DETOUR
O	80-9702L	DETOUR
P	80-9703 30"X24"	DETOUR
Q	80-9703 30"X24"	DETOUR
R	80-9713 30"X24"	DETOUR
S	80-9710	DETOUR
T	80-4601 36"X24"	ROAD CLOSED USE BUSHY HILL RD
U	80-9916 48"X10"	ROUTE 44
V	80-9916 48"X10"	BICKFORD DR

CONSTRUCT ONE SIDE OF ROAD AT A TIME

TRAFFIC CONES SPACED @25'

FISHER DRIVE

BICKFORD DRIVE

BICKFORD DRIVE EXT.

CLIMAX ROAD

ARTS CENTER CT.

ENSIGN DRIVE

PARKSIDE LN.

ROUTE 10/202

CLIMAX HEIGHTS RD.

WOODFORD AVE.

US ROUTE 44

100'

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 100' SCALE VERT.: 1" = 10'
100 0 100
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT · LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

PROJECT NO: 2014 0986.S10
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SHEET TITLE
CONSTRUCTION SEQUENCE AND MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

MPT-02

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STAGE III

LEGEND:

WORK AREA

TEMPORARY TRAVEL LANES DURING CONSTRUCTION

TYPE III BARRICADE

NOTES:

1. ERADICATE EXISTING CONFLICTING PAINTED PAVEMENT MARKINGS DURING STAGED CONSTRUCTION.
2. MAINTAIN PEDESTRIAN PATH DURING CONSTRUCTION.
3. PLAN MAY NEED TO BE MODIFIED TO COORDINATE WITH OTHERS PROJECTS.

LEGEND

ID	NUMBER	DESCRIPTION	ID	NUMBER	DESCRIPTION
A	80-1613 30"X24"	CONSTRUCTION AHEAD ROAD USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION	K	80-4601 36"X24"	TOWN HALL ENTRANCE
B	80-1619 48"X30"	CONSTRUCTION AHEAD SIDEWALK USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION	L	80-4601 36"X24"	POLICE STATION ENTRANCE
			M	80-4601 36"X24"	BUSINESS ENTRANCE
			N	80-9701R	DETOUR
C	80-9602 30"X30"	ROAD WORK AHEAD	O	80-9702L	DETOUR
			P	80-9703 30"X24"	DETOUR
D	80-9080	ROAD CLOSED	Q	80-9703 30"X24"	DETOUR
E	80-9612 48"X24"	END ROAD WORK	R	80-9713 30"X24"	DETOUR
F	80-9916 48"X10"	ENSIGN DRIVE	S	80-9710	DETOUR
G	80-9916 48"X10"	FISHER DRIVE	T	80-4601 36"X24"	ROAD CLOSED USE BUSHY HILL RD
H	80-9916 48"X10"	CLIMAX ROAD			
I	80-9916 48"X10"	ROUTE 10/202	U	80-9916 48"X10"	ROUTE 44
J	80-9928	BUSINESSES OPEN DURING CONSTRUCTION	V	80-9916 48"X10"	BICKFORD DR

TYPE III BARRICADE AT CLOSEST INTERSECTION

100'

FISHER DRIVE

BICKFORD DRIVE

BICKFORD DRIVE EXT.

CLIMAX ROAD

NORTH MAIN STREET

ARTS CENTER CT.

ENSIGN DRIVE

CLIMAX HEIGHTS RD.

PARKSIDE LN.

WOODFORD AVE.

ROUTE 10/202

US ROUTE 44

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83

SCALE HORZ.: 1" = 100' SCALE VERT.: 1" = 10'

100 0 100

GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION
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PROJECT NO: 2014 0986.S10
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CONSTRUCTION SEQUENCE AND MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

MPT-03

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STAGE IV

LEGEND:

WORK AREA

TEMPORARY TRAVEL LANES DURING CONSTRUCTION

TYPE III BARRICADE

NOTES:

1. ERADICATE EXISTING CONFLICTING PAINTED PAVEMENT MARKINGS DURING STAGED CONSTRUCTION.
2. MAINTAIN PEDESTRIAN PATH DURING CONSTRUCTION.
3. PLAN MAY NEED TO BE MODIFIED TO COORDINATE WITH OTHERS PROJECTS.

LEGEND

ID	NUMBER	DESCRIPTION
A	80-1613 30"X24"	CONSTRUCTION AHEAD ROAD USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION
B	80-1619 48"X30"	CONSTRUCTION AHEAD SIDEWALK USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION
C	80-9602 30"X30"	ROAD WORK AHEAD
D	80-9080	ROAD CLOSED
E	80-9612 48"X24"	END ROAD WORK
F	80-9916 48"X10"	ENSIGN DRIVE
G	80-9916 48"X10"	FISHER DRIVE
H	80-9916 48"X10"	CLIMAX ROAD
I	80-9916 48"X10"	ROUTE 10/202
J	80-9928	BUSINESSES OPEN DURING CONSTRUCTION
K	80-4601 36"X24"	TOWN HALL ENTRANCE
L	80-4601 36"X24"	POLICE STATION ENTRANCE
M	80-4601 36"X24"	BUSINESS ENTRANCE
N	80-9701R	DETOUR
O	80-9702L	DETOUR
P	80-9703 30"X24"	DETOUR
Q	80-9703 30"X24"	DETOUR
R	80-9713 30"X24"	DETOUR
S	80-9710	DETOUR
T	80-4601 36"X24"	ROAD CLOSED USE BUSHY HILL RD
U	80-9916 48"X10"	ROUTE 44
V	80-9916 48"X10"	BICKFORD DR

FISHER DRIVE
BICKFORD DRIVE
BICKFORD DRIVE Ext.
CLIMAX ROAD
MAIN STREET
NORTH MAIN STREET
ARTS CENTER CT.
ENSIGN DRIVE
PARKSIDE LN.
ROUTE 10/202
WOODFORD AVE.
US ROUTE 44
100'

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
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LANDSCAPE ARCHITECT
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ENGINEER
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35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

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SHEET TITLE
CONSTRUCTION SEQUENCE AND MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

MPT-04

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 100' SCALE VERT.: 1" = 10'
100 0 100
GRAPHIC SCALE

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STAGE V

LEGEND:

WORK AREA

TEMPORARY TRAVEL LANES DURING CONSTRUCTION

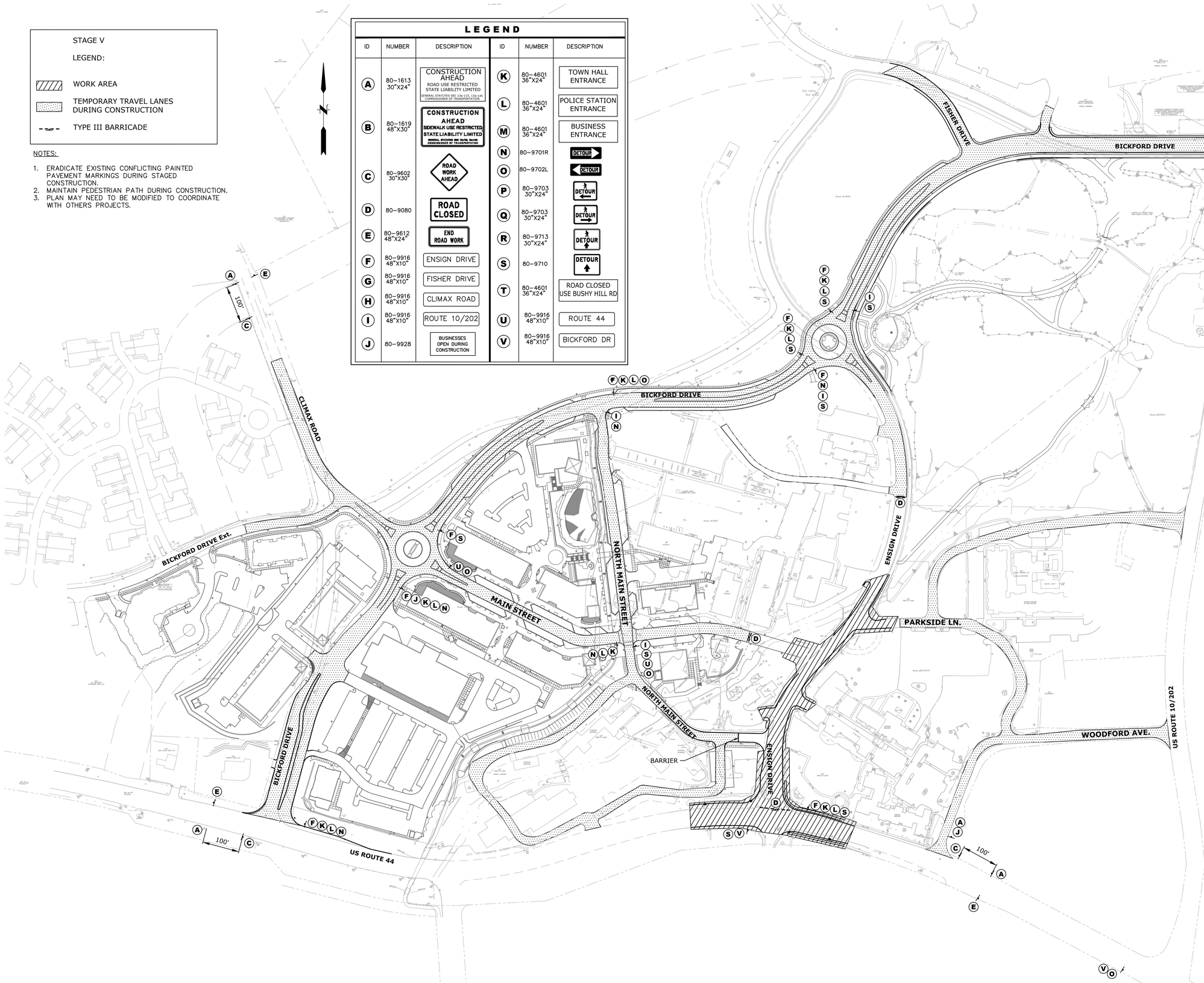
TYPE III BARRICADE

NOTES:

1. ERADICATE EXISTING CONFLICTING PAINTED PAVEMENT MARKINGS DURING STAGED CONSTRUCTION.
2. MAINTAIN PEDESTRIAN PATH DURING CONSTRUCTION.
3. PLAN MAY NEED TO BE MODIFIED TO COORDINATE WITH OTHERS PROJECTS.

LEGEND

ID	NUMBER	DESCRIPTION
A	80-1613 30"X24"	CONSTRUCTION AHEAD ROAD USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION
B	80-1619 48"X30"	CONSTRUCTION AHEAD SIDEWALK USE RESTRICTED STATE LIABILITY LIMITED GENERAL STATUTES SEC 13a-115, 13a-145 COMMISSIONER OF TRANSPORTATION
C	80-9602 30"X30"	ROAD WORK AHEAD
D	80-9080	ROAD CLOSED
E	80-9612 48"X24"	END ROAD WORK
F	80-9916 48"X10"	ENSIGN DRIVE
G	80-9916 48"X10"	FISHER DRIVE
H	80-9916 48"X10"	CLIMAX ROAD
I	80-9916 48"X10"	ROUTE 10/202
J	80-9928	BUSINESSES OPEN DURING CONSTRUCTION
K	80-4601 36"X24"	TOWN HALL ENTRANCE
L	80-4601 36"X24"	POLICE STATION ENTRANCE
M	80-4601 36"X24"	BUSINESS ENTRANCE
N	80-9701R	DETOUR
O	80-9702L	DETOUR
P	80-9703 30"X24"	DETOUR
Q	80-9703 30"X24"	DETOUR
R	80-9713 30"X24"	DETOUR
S	80-9710	DETOUR
T	80-4601 36"X24"	ROAD CLOSED USE BUSHY HILL RD
U	80-9916 48"X10"	ROUTE 44
V	80-9916 48"X10"	BICKFORD DR



DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 100' SCALE VERT.: 1" = 10'
100 0 100
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
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PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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SHEET TITLE
CONSTRUCTION SEQUENCE AND MAINTENANCE AND PROTECTION OF TRAFFIC PLAN

MPT-05

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KEY MAP



LEGEND

FULL DEPTH RECONSTRUCTION

MILL & OVERLAY

KEY MAP



LEGEND

FULL DEPTH RECONSTRUCTION

MILL & OVERLAY

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83

SCALE HORZ.: 1" = 40' SCALE VERT.: 1" = 4'

40 0 40

GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
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PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

MARK	DATE	DESCRIPTION

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SHEET TITLE

ROUTE 44
OFF-SITE IMPROVEMENTS PLAN

HOS-01

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KEY MAP



DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: 1" = 40' SCALE VERT.: 1" = 4'
40 0 40
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
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LANDSCAPE ARCHITECT
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STATE OF CONNECTICUT MICHAEL S. MARSICANO 27 LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

05/16/18 PERMITTING SET

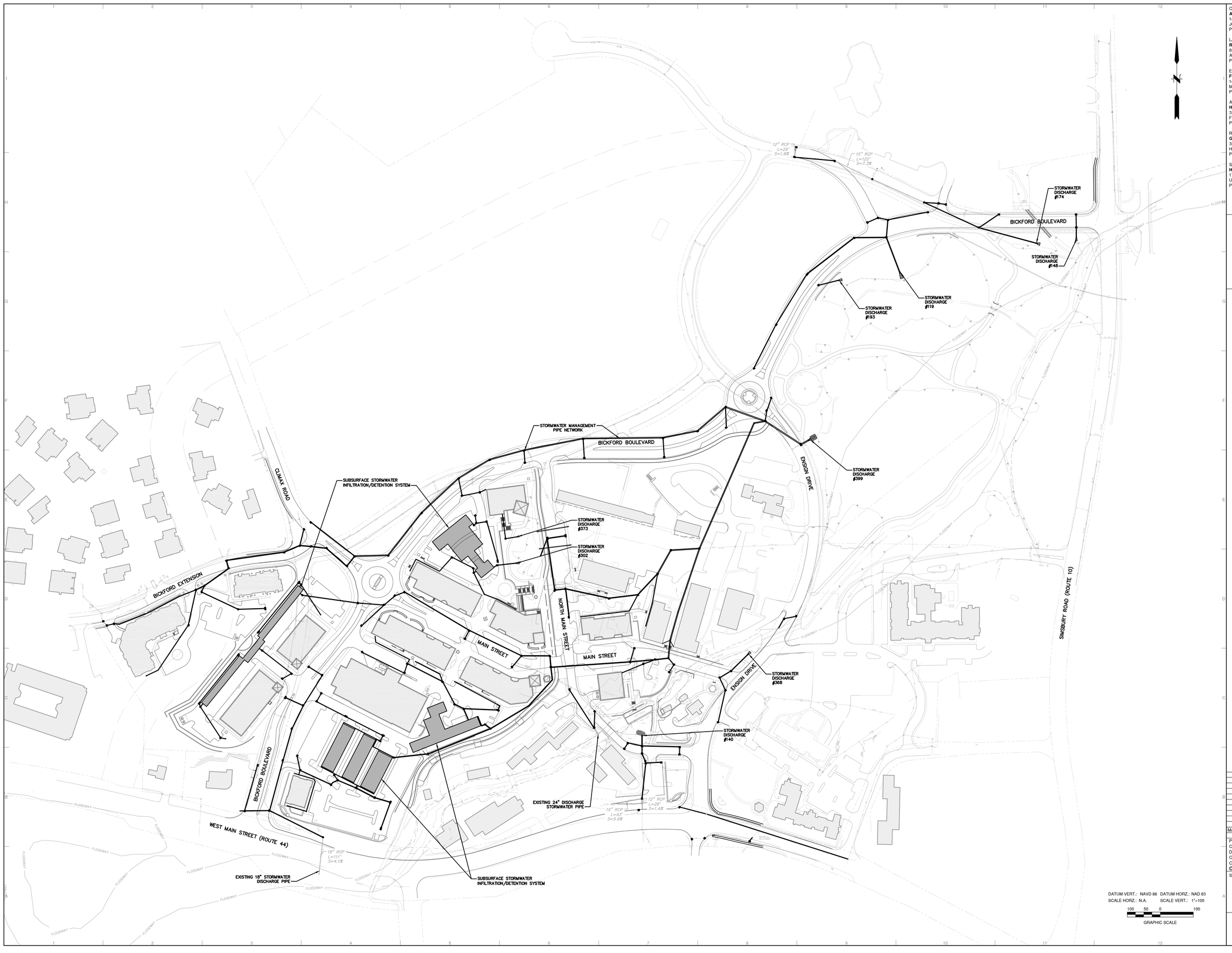
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SHEET TITLE
ROUTE 10/202
OFF-SITE IMPROVEMENTS
PLAN

HOS-02

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=100

100 50 0 100
GRAPHIC SCALE

OWNER/DEVELOPER
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SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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SHEET TITLE

OVERALL DRAINAGE PLAN

CG-001

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Structure Table	
Structure Name	Structure Details
1 TYPE "C" SINGLE GRATE	T.F.=228.46 15" RCP INV (N IN)=225.20 12" RCP INV (W IN)=226.86 18" RCP INV (E OUT)=224.95
2 TYPE "C" SINGLE GRATE	T.F.=229.02 18" RCP INV (N IN)=220.82 18" RCP INV (W IN)=224.20 18" RCP INV (SE OUT)=220.82
3 TYPE "C" SINGLE GRATE	T.F.=234.28 15" RCP INV (S OUT)=230.80
5 TYPE "C" SINGLE GRATE	T.F.=234.73 15" RCP INV (SE OUT)=228.75
6 TYPE "C" SINGLE GRATE	T.F.=235.01 15" RCP INV (NW IN)=228.50 15" RCP INV (SW OUT)=228.50
7 TYPE "C" SINGLE GRATE	T.F.=236.97 15" RCP INV (NE OUT)=233.51
8 TYPE "C" SINGLE GRATE	T.F.=238.65 15" HDPE INV (W IN)=225.16 15" RCP INV (E OUT)=225.16
9 TYPE "C" SINGLE GRATE	T.F.=238.61 30" RCP INV (W IN)=233.90 30" RCP INV (NE OUT)=233.90
10 TYPE "C" SINGLE GRATE	T.F.=223.19 15" RCP INV (S IN)=218.95 30" RCP INV (SW IN)=217.70 30" RCP INV (NE OUT)=217.70
11 TYPE "C" SINGLE GRATE	T.F.=224.58 12" HDPE INV (E IN)=219.47 15" RCP INV (N OUT)=219.22
12 TYPE "C" SINGLE GRATE	T.F.=213.35 30" RCP INV (W IN)=208.13 15" RCP INV (S IN)=209.38 30" RCP INV (E OUT)=208.13
13 TYPE "C" SINGLE GRATE	T.F.=213.71 15" RCP INV (N OUT)=209.73
14 TYPE "C" SINGLE GRATE	T.F.=208.12 30" RCP INV (W IN)=202.96 15" RCP INV (S IN)=204.21 30" RCP INV (E OUT)=202.96
15 TYPE "C" SINGLE GRATE	T.F.=207.97 15" RCP INV (N OUT)=204.51
16 TYPE "C" SINGLE GRATE	T.F.=198.54 30" RCP INV (W IN)=193.66 15" RCP INV (S IN)=194.91 30" RCP INV (E OUT)=193.66
17 TYPE "C" SINGLE GRATE	T.F.=198.67 15" RCP INV (N OUT)=195.21
18 TYPE "C" SINGLE GRATE	T.F.=191.00 30" RCP INV (SW IN)=186.25 15" RCP INV (S IN)=187.50 36" RCP INV (E OUT)=181.61
19 TYPE "C" SINGLE GRATE	T.F.=191.99 15" RCP INV (N OUT)=188.45
20 TYPE "C" SINGLE GRATE	T.F.=190.00 15" RCP INV (NE OUT)=186.54
22 TYPE "C" SINGLE GRATE	T.F.=187.37 15" RCP INV (SW IN)=183.84 15" RCP INV (NE OUT)=183.84
23 TYPE "C" SINGLE GRATE	T.F.=186.60 15" RCP INV (E OUT)=180.73
24 TYPE "C" SINGLE GRATE	T.F.=187.33 15" RCP INV (W OUT)=183.87
25 TYPE "C" SINGLE GRATE	T.F.=189.65 18" RCP INV (N IN)=182.73 24" RCP INV (W IN)=178.66 24" RCP INV (S OUT)=178.66
26 TYPE "C" SINGLE GRATE	T.F.=182.81 15" RCP INV (SW OUT)=178.44
27 TYPE "C" SINGLE GRATE	T.F.=184.20 15" RCP INV (NE IN)=179.35 15" RCP INV (NW IN)=178.44 18" RCP INV (E OUT)=178.44
28 TYPE "C" SINGLE GRATE	T.F.=179.00 12" RCP INV (S OUT)=175.40
29 TYPE "C" SINGLE GRATE	T.F.=179.00 12" RCP INV (N IN)=174.85 15" RCP INV (S OUT)=174.60
30 TYPE "C" SINGLE GRATE	T.F.=186.14 15" RCP INV (E IN)=182.68 15" RCP INV (W OUT)=182.68
31 TYPE "C" SINGLE GRATE	T.F.=185.75 15" RCP INV (W OUT)=182.80
85 TYPE "C" SINGLE GRATE	T.F.=249.84 24" RCP INV (W IN)=243.26 24" RCP INV (NE OUT)=243.26
91 TYPE "C" SINGLE GRATE	T.F.=244.20 24" RCP INV (W IN)=239.99 24" RCP INV (SE OUT)=239.99
92 TYPE "C" SINGLE GRATE	T.F.=255.84 24" RCP INV (S IN)=244.14 24" RCP INV (E OUT)=244.14
93 TYPE "C" SINGLE GRATE	T.F.=217.97 30" RCP INV (SW IN)=213.26 30" RCP INV (E OUT)=213.26
95 TYPE "C" SINGLE GRATE	T.F.=230.53 30" RCP INV (SW IN)=225.82 30" RCP INV (NE OUT)=225.82
96 TYPE "C" DOUBLE GRATE II	T.F.=186.38 15" RCP INV (SW IN)=182.55 24" RCP INV (NE OUT)=181.18

Structure Table	
Structure Name	Structure Details
97 TYPE "C" SINGLE GRATE	T.F.=188.66 24" RCP INV (SW IN)=179.15 24" RCP INV (E OUT)=179.15
102 TYPE "C" SINGLE GRATE	T.F.=248.96 15" RCP INV (S OUT)=245.52
103 TYPE "C" SINGLE GRATE	T.F.=241.90 15" RCP INV (NW IN)=238.00 24" RCP INV (SW IN)=237.25 30" RCP INV (E OUT)=236.75
104 TYPE "C" SINGLE GRATE	T.F.=242.01 24" RCP INV (NW IN)=237.80 24" RCP INV (NE OUT)=237.80
105 TYPE "C" SINGLE GRATE	T.F.=248.97 15" RCP INV (SE OUT)=242.28
106 TYPE "C" SINGLE GRATE	T.F.=236.82 15" RCP INV (SW IN)=229.34 15" RCP INV (W IN)=224.76 15" RCP INV (NE OUT)=224.76
107 TYPE "C" SINGLE GRATE	T.F.=236.51 15" RCP INV (SW IN)=224.55 15" RCP INV (E OUT)=224.55
108 TYPE "C" SINGLE GRATE	T.F.=235.61 15" RCP INV (W IN)=224.39 18" RCP INV (SE OUT)=224.14
109 TYPE "C" SINGLE GRATE	T.F.=227.21 15" RCP INV (NE OUT)=223.40
110 TYPE "C" SINGLE GRATE	T.F.=227.21 18" RCP INV (NW IN)=223.00 15" RCP INV (SW IN)=223.25 18" RCP INV (SE OUT)=223.00
111 TYPE "C" SINGLE GRATE	T.F.=221.00 15" RCP INV (NE OUT)=217.38
112 TYPE "C" SINGLE GRATE	T.F.=217.14 24" HDPE INV (S IN)=209.94 24" RCP INV (N IN)=212.63 24" RCP INV (E OUT)=205.66
113 TYPE "C" SINGLE GRATE	T.F.=217.01 24" RCP INV (W IN)=212.80 24" RCP INV (S OUT)=212.80
114 TYPE "C" SINGLE GRATE	T.F.=209.00 24" RCP INV (W IN)=203.00 15" RCP INV (N IN)=205.19 24" RCP INV (E OUT)=203.00
115 TYPE "C" SINGLE GRATE	T.F.=208.16 15" RCP INV (S OUT)=205.43
116 TYPE "C" SINGLE GRATE	T.F.=204.91 12" HDPE INV (W IN)=202.32 24" RCP INV (N IN)=200.60 24" RCP INV (E OUT)=200.60
117 TYPE "C" SINGLE GRATE	T.F.=196.85 15" RCP INV (SE IN)=191.82 18" RCP INV (NE OUT)=191.57
118 TYPE "C" SINGLE GRATE	T.F.=195.85 18" RCP INV (W IN)=191.37 18" RCP INV (NE OUT)=191.37
119 24" R.C.C.E.	T.F.=180.44 24" RCP INV (N IN)=178.11
121 TYPE "C" SINGLE GRATE	T.F.=189.36 15" RCP INV (W IN)=183.25 15" RCP INV (E IN)=183.25 18" RCP INV (S OUT)=183.00
122 TYPE "C" SINGLE GRATE	T.F.=220.50 18" RCP INV (NW IN)=216.75 15" RCP INV (SW IN)=217.00 24" RCP INV (E OUT)=216.25
123 TYPE "C" SINGLE GRATE	T.F.=209.76 24" RCP INV (S IN)=200.71 24" RCP INV (W IN)=200.21 24" HDPE INV (E OUT)=200.21
128 TYPE "C" SINGLE GRATE	T.F.=209.22 15" RCP INV (S OUT)=205.76
133 TYPE "C" SINGLE GRATE	T.F.=212.25 12" RCP INV (S IN)=209.00 15" RCP INV (W IN)=208.00 18" RCP INV (N OUT)=207.75
136 TYPE "C" SINGLE GRATE	T.F.=206.69 18" RCP INV (S IN)=202.16 18" RCP INV (E IN)=202.16 18" RCP INV (N OUT)=202.16
137 TYPE "C" SINGLE GRATE	T.F.=205.22 18" RCP INV (E IN)=199.61 15" RCP INV (W IN)=200.36 18" RCP INV (S IN)=199.86 24" RCP INV (N OUT)=199.61
138 TYPE "C" SINGLE GRATE	T.F.=205.22 18" RCP INV (SE IN)=201.19 18" RCP INV (N OUT)=201.19
140 24" R.C.C.E.	T.F.=201.64 24" RCP INV (S IN)=199.48
141 TYPE "C" SINGLE GRATE	T.F.=198.54 15" RCP INV (N OUT)=195.08
143 5' FLAT TOP STORM MANHOLE	T.F.=203.53 15" RCP INV (SE IN)=198.36 24" RCP INV (W IN)=199.28 30" HDPE INV (N OUT)=195.59
146 TYPE "C" SINGLE GRATE	T.F.=189.90 12" RCP INV (E IN)=184.20 12" RCP INV (SW OUT)=184.20
147 TYPE "C" SINGLE GRATE	T.F.=189.70 12" RCP INV (W OUT)=185.00
148 15" R.C.C.E.	T.F.=175.75 15" RCP INV (N IN)=174.23
154 TYPE "C" SINGLE GRATE	T.F.=234.66 12" HDPE INV (SW OUT)=231.32
155 TYPE "C" SINGLE GRATE	T.F.=234.17 12" HDPE INV (NE IN)=231.00 12" HDPE INV (SE OUT)=231.00

Structure Table	
Structure Name	Structure Details
156 TYPE "C" SINGLE GRATE	T.F.=233.68 15" RCP INV (NE IN)=227.96 18" RCP INV (NW IN)=227.96 18" RCP INV (SW OUT)=227.96
157 TYPE "C" SINGLE GRATE	T.F.=231.78 18" RCP INV (N IN)=225.70 18" RCP INV (S OUT)=225.70
159 5' STORM MANHOLE	T.F.=229.38 18" RCP INV (NW IN)=218.40 18" RCP INV (S OUT)=218.40
161 TYPE "C" SINGLE GRATE	T.F.=202.39 12" HDPE INV (SW IN)=198.75 15" RCP INV (NW OUT)=198.50
164 HYDRODYNAMIC SEPARATOR	T.F.=207.19 18" RCP INV (S IN)=202.13 18" RCP INV (NW OUT)=202.13
165 TYPE "C" SINGLE GRATE	T.F.=232.84 18" RCP INV (NE IN)=227.57 18" RCP INV (S OUT)=227.57
166 TYPE "C" SINGLE GRATE	T.F.=255.85 24" HDPE INV (SW IN)=244.27 24" RCP INV (N OUT)=244.27
168 2' ROUND GRATE	T.F.=207.50 18" HDPE INV (N OUT)=202.75
171 TYPE "C" DOUBLE GRATE II	T.F.=187.20 36" RCP INV (NW IN)=178.90 36" RCP INV (NE OUT)=178.90
174 18" R.C.C.E.	T.F.=179.35 18" RCP INV (W IN)=177.55
175 5' STORM MANHOLE	T.F.=187.65 15" RCP INV (E IN)=182.25 15" RCP INV (NW IN)=179.35 15" RCP INV (SE OUT)=179.35
176 5' STORM MANHOLE	T.F.=191.18 15" RCP INV (NW IN)=181.60 15" RCP INV (SE OUT)=181.50
179 TYPE "C" SINGLE GRATE	T.F.=194.37 30" RCP INV (W IN)=189.62 30" RCP INV (NE OUT)=189.62
182 TYPE "C" SINGLE GRATE	T.F.=203.47 24" HDPE INV (W IN)=198.10 12" HDPE INV (SW IN)=200.00 24" HDPE INV (NE OUT)=198.10
183 TYPE "C" SINGLE GRATE	T.F.=199.51 24" HDPE INV (SW IN)=195.11 12" HDPE INV (S IN)=197.74 30" HDPE INV (NE OUT)=194.61
184 EXISTING TYPE "C-L" SINGLE GRATE	T.F.=195.50 30" HDPE INV (SW IN)=191.70 30" HDPE INV (E OUT)=191.70
185 TYPE "C" SINGLE GRATE	T.F.=207.66 24" HDPE INV (W IN)=198.54 24" HDPE INV (E OUT)=198.54
188 TYPE "C" DOUBLE GRATE II	T.F.=233.62 18" RCP INV (SE OUT)=230.05
190 TYPE "C" SINGLE GRATE	T.F.=211.36 12" RCP INV (E OUT)=205.83
191 TYPE "C" SINGLE GRATE	T.F.=206.15 18" RCP INV (W OUT)=202.62
192 EXISTING STORM MANHOLE	T.F.=209.90 12" RCP INV (W IN)=205.40 15" RCP INV (E OUT)=205.40
193 15" R.C.C.E.	T.F.=180.52 15" RCP INV (W IN)=179.00
194 1' ROUND GRATE	T.F.=235.50 12" HDPE INV (W OUT)=232.11
195 TYPE "C" SINGLE GRATE	T.F.=235.45 12" HDPE INV (E IN)=232.04 12" HDPE INV (NW OUT)=232.04
196 TYPE "C" SINGLE GRATE	T.F.=235.15 12" HDPE INV (NE IN)=230.87 12" HDPE INV (S OUT)=230.87
199 TYPE "C" SINGLE GRATE	T.F.=235.15 12" HDPE INV (SW OUT)=231.81
200 TYPE "C" SINGLE GRATE	T.F.=203.58 15" RCP INV (N OUT)=200.30
201 TYPE "C" SINGLE GRATE	T.F.=203.58 15" RCP INV (S IN)=200.18 18" RCP INV (W OUT)=200.18
202 TYPE "C" SINGLE GRATE	T.F.=205.01 15" RCP INV (NE OUT)=201.55
203 TYPE "C" SINGLE GRATE	T.F.=205.02 15" RCP INV (SW IN)=201.44 15" RCP INV (E OUT)=201.44
204 TYPE "C" SINGLE GRATE	T.F.=213.71 15" RCP INV (SE OUT)=210.25
205 TYPE "C" SINGLE GRATE	T.F.=212.57 24" RCP INV (N OUT)=202.75
206 TYPE "C" SINGLE GRATE	T.F.=209.69 24" RCP INV (N IN)=200.38 24" RCP INV (E OUT)=200.38
207 TYPE "C" DOUBLE GRATE II	T.F.=206.40 24" RCP INV (W OUT)=201.45
208 TYPE "C" DOUBLE GRATE II	T.F.=206.66 18" HDPE INV (S IN)=201.67 24" RCP INV (E IN)=201.17 24" RCP INV (S OUT)=201.17

Structure Table	
Structure Name	Structure Details
209 TYPE "C" SINGLE GRATE	T.F.=235.15 12" HDPE INV (NE OUT)=232.53
212 TYPE "C" SINGLE GRATE	T.F.=235.15 12" HDPE INV (SW IN)=230.59 15" HDPE INV (SE OUT)=230.34
215 TYPE "C" SINGLE GRATE	T.F.=234.60 12" HDPE INV (NE OUT)=231.42
216 TYPE "C" SINGLE GRATE	T.F.=234.30 12" HDPE INV (SW IN)=231.12 12" HDPE INV (NW OUT)=231.12
217 1' ROUND GRATE	T.F.=235.30 12" HDPE INV (NW OUT)=231.08
234 TYPE "C" SINGLE GRATE	T.F.=207.86 12" HDPE INV (SW IN)=204.71 12" HDPE INV (E OUT)=204.71
235 TYPE "C" SINGLE GRATE	T.F.=204.49 12" HDPE INV (NE OUT)=199.01
243 TYPE "C" DOUBLE GRATE II	T.F.=233.70 12" HDPE INV (NW IN)=230.50 12" HDPE INV (SE OUT)=230.50
244 TYPE "C" DOUBLE GRATE II	T.F.=233.50 12" HDPE INV (NW IN)=229.72 18" HDPE INV (SW OUT)=225.05
246 1' SQUARE GRATE	T.F.=231.84 12" HDPE INV (W IN)=228.34 12" HDPE INV (N OUT)=228.34
249 1' ROUND GRATE	T.F.=231.84 12" HDPE INV (E IN)=227.59 12" HDPE INV (W IN)=227.59 12" HDPE INV (N OUT)=227.59
251 TYPE "C" SINGLE GRATE	T.F.=230.50 15" HDPE INV (N IN)=227.10 12" HDPE INV (S IN)=227.35 18" HDPE INV (SE OUT)=226.85
252 TYPE "C" SINGLE GRATE	T.F.=231.15 15" HDPE INV (S OUT)=227.75
253 TYPE "C" SINGLE GRATE	T.F.=230.30 18" HDPE INV (NW IN)=226.30 18" HDPE INV (E OUT)=226.30
254 1' ROUND GRATE	T.F.=230.30 18" HDPE INV (SW IN)=226.25 18" HDPE INV (NE OUT)=226.25
255 TYPE "C-L" SINGLE GRATE	T.F.=231.08 18" HDPE INV (SW IN)=226.15 12" HDPE INV (NW IN)=226.65 18" HDPE INV (SE OUT)=226.15
256 HYDRODYNAMIC SEPARATOR	T.F.=231.25 18" HDPE INV (NW IN)=224.47 24" HDPE INV (SE IN)=223.97 24" HDPE INV (NE OUT)=223.97
257 TYPE "C-L" SINGLE GRATE	T.F.=231.18 12" HDPE INV (SE OUT)=226.83
258 TYPE "C" SINGLE GRATE	T.F.=230.00 24" HDPE INV (E IN)=224.29 24" HDPE INV (NW OUT)=224.29
259 TYPE "C-L" DOUBLE GRATE	T.F.=228.10 18" HDPE INV (N OUT)=225.45
260 TYPE "C-L" DOUBLE GRATE	T.F.=228.15 18" HDPE INV (S IN)=225.03 24" HDPE INV (W OUT)=224.53
262 TYPE "C" SINGLE GRATE	T.F.=235.15 12" HDPE INV (SE OUT)=231.78
263 TYPE "C" SINGLE GRATE	T.F.=232.30 12" HDPE INV (NW IN)=229.15 12" HDPE INV (N OUT)=229.15
264 TYPE "C" SINGLE GRATE	T.F.=231.21 12" HDPE INV (S IN)=227.50 12" HDPE INV (NE IN)=229.15 18" HDPE INV (SE OUT)=227.00
265 TYPE "C" SINGLE GRATE	T.F.=227.92 12" HDPE INV (N IN)=224.70 18" HDPE INV (NW IN)=224.20 18" HDPE INV (SE OUT)=224.20
266 1' ROUND GRATE	T.F.=235.75 12" HDPE INV (S OUT)=232.75
271 TYPE "C" SINGLE GRATE	T.F.=227.00 18" HDPE INV (NW IN)=223.25 24" HDPE INV (SE OUT)=220.37
275 HYDRODYNAMIC SEPARATOR	T.F.=225.58 21" HDPE INV (E IN)=216.17 24" HDPE INV (NW IN)=219.32 24" HDPE INV (SE OUT)=216.17
276 TYPE "C" DOUBLE GRATE II	T.F.=221.50 18" HDPE INV (N IN)=217.71 21" HDPE INV (W OUT)=216.70
282 5' STORM MANHOLE	T.F.=223.50 24" HDPE INV (W IN)=211.87 24" HDPE INV (NW IN)=211.87 24" HDPE INV (NE OUT)=211.87
283 1' SQUARE GRATE	T.F.=220.75 24" HDPE INV (SW IN)=210.66 24" HDPE INV (NE OUT)=210.66
284 1' SQUARE GRATE	T.F.=218.25 24" HDPE INV (SW IN)=210.13 24" HDPE INV (N OUT)=210.13
285 1' ROUND GRATE	T.F.=234.88 12" HDPE INV (NE OUT)=231.70
287 TYPE "C" SINGLE GRATE	T.F.=231.10 12" HDPE INV (SW IN)=226.59 12" HDPE INV (SE OUT)=226.59
289 1' SQUARE GRATE	T.F.=228.16 12" HDPE INV (E IN)=220.96 15" HDPE INV (NW OUT)=220.71

Structure Table	
Structure Name	Structure Details
290 TYPE "C" SINGLE GRATE	T.F.=227.50 15" HDPE INV (N OUT)=224.01
294 TYPE "C" SINGLE GRATE	T.F.=223.00 12" HDPE INV (NE IN)=219.75 12" HDPE INV (W OUT)=219.75
295 1' ROUND GRATE	T.F.=222.50 12" HDPE INV (SW OUT)=219.93
297 TYPE "C" SINGLE GRATE	T.F.=227.75 12" HDPE INV (N IN)=222.63 15" HDPE INV (E IN)=222.38 15" HDPE INV (SW OUT)=220.43
298 TYPE "C" SINGLE GRATE	T.F.=227.25 12" HDPE INV (S OUT)=223.35
299 HYDRODYNAMIC SEPARATOR	T.F.=227.90 15" HDPE INV (NE IN)=220.34 15" HDPE INV (NW OUT)=220.34
300 TYPE "C" SINGLE GRATE	T.F.=247.50 15" RCP INV (N IN)=244.00 24" RCP INV (SW IN)=243.00 24" RCP INV (E OUT)=243.00
301 TYPE "C" SINGLE GRATE	T.F.=246.78 24" RCP INV (W IN)=242.83 24" RCP INV (E OUT)=242.83
302 15" R.C.C.E.	T.F.=215.40 15" HDPE INV (W IN)=212.25
303 OUTLET CONTROL STRUCTURE	T.F.=227.65 15" HDPE INV (SW IN)=220.31 15" HDPE INV (E OUT)=215.06
311 TYPE "C" SINGLE GRATE	T.F.=228.80 12" HDPE INV (NW IN)=223.20 12" HDPE INV (S OUT)=223.20
312 1' SQUARE GRATE	T.F.=227.00 12" HDPE INV (SE IN)=221.16 12" HDPE INV (W OUT)=221.16
313 1' SQUARE GRATE	T.F.=224.65 12" HDPE INV (NW OUT)=221.49
328 OUTLET CONTROL STRUCTURE	T.F.=235.70 15" HDPE INV (NW IN)=230.25 15" HDPE INV (E OUT)=226.50
337 OUTLET CONTROL STRUCTURE	T.F.=231.77 24" HDPE INV (NW IN)=223.90 24" HDPE INV (E OUT)=219.90
339 5' STORM MANHOLE	T.F.=230.95 24" HDPE INV (W IN)=219.44 24" HDPE INV (E OUT)=219.44
340 OUTLET CONTROL STRUCTURE	T.F.=222.55 24" HDPE INV (E IN)=216.69 24" HDPE INV (SE OUT)=211.98
341 HYDRODYNAMIC SEPARATOR	T.F.=233.70 18" HDPE INV (NE IN)=224.68 18" HDPE INV (NW OUT)=224.68
345 TYPE "C" SINGLE GRATE	T.F.=227.45 15" HDPE INV (S IN)=222.77 15" HDPE INV (W OUT)=222.77
346 HYDRODYNAMIC SEPARATOR	T.F.=228.90 15" HDPE INV (SE IN)=220.35 12" HDPE INV (N IN)=222.60 15" HDPE INV (NE OUT)=220.35
347 1' ROUND GRATE	T.F.=201.95 12" HDPE INV (N OUT)=198.55
348 1' ROUND GRATE	T.F.=201.95 12" HDPE INV (S IN)=198.37 12" HDPE INV (N OUT)=198.37
349 1' ROUND GRATE	T.F.=201.95 12" HDPE INV (S IN)=198.20 12" HDPE INV (N OUT)=198.20
352 HYDRODYNAMIC SEPARATOR	T.F.=235.39 12" HDPE INV (SE IN)=230.81 12" HDPE INV (N IN)=230.81 15" HDPE INV (NE OUT)=230.56
353 HYDRODYNAMIC SEPARATOR	T.F.=235.43 15" HDPE INV (NW IN)=230.29 12" HDPE INV (SE IN)=230.54 15" HDPE INV (SW OUT)=230.29
354 HYDRODYNAMIC SEPARATOR	T.F.=236.20 12" HDPE INV (SE IN)=230.55 12" HDPE INV (NW OUT)=230.55
358 TYPE "C-L" SINGLE GRATE	T.F.=196.00 30" HDPE INV (S IN)=189.74 30" HDPE INV (W IN)=191.00 30" HDPE INV (NE OUT)=189.74
359 2' ROUND GRATE	T.F.=190.25 30" HDPE INV (SW IN)=185.19 30" HDPE INV (E OUT)=185.19
365 2' ROUND GRATE	T.F.=190.85 30" HDPE INV (SW IN)=186.50 30" HDPE INV (NE OUT)=186.50
367 TYPE "C" SINGLE GRATE	T.F.=206.50 12" RCP INV (NE OUT)=202.60
368 18" R.C.C.E	T.F.=192.83 18" RCP INV (SW IN)=191.03
369 TYPE "C" SINGLE GRATE	T.F.=209.31 15" RCP INV (NW IN)=205.50 15" RCP INV (N IN)=205.50 24" RCP INV (SE OUT)=202.84
370 5' STORM MANHOLE	T.F.=214.50 12" HDPE INV (N IN)=211.35 12" HDPE INV (E OUT)=211.35
373 12" R.C.C.E.	T.F.=211.94 12" HDPE INV (W IN)=210.80
375 1' ROUND GRATE	T.F.=200.50 30" HDPE INV (S IN)=194.94 6" HDPE INV (SE IN)=196.49 6" HDPE INV (SW IN)=196.49 30" HDPE INV (N OUT)=194.94

Structure Table	
Structure Name	Structure Details
376 1' ROUND GRATE	T.F.=201.00 30" HDPE INV (S IN)=193.87 30" HDPE INV (N OUT)=193.87
377 TYPE "C" DOUBLE GRATE II	T.F.=254.33 15" HDPE INV (W OUT)=250.90
378 TYPE "C" CB SINGLE GRATE	T.F.=255.94 15" HDPE INV (SE IN)=249.87 18" HDPE INV (NE OUT)=249.62
379 TYPE "C" CB SINGLE GRATE	T.F.=255.10 15" HDPE INV (W IN)=245.62 15" HDPE INV (S IN)=251.50 24" HDPE INV (NE OUT)=244.87
381 TYPE "C" CB SINGLE GRATE	T.F.=250.00 12" HDPE INV (E OUT)=247.35
382 TYPE "C" CB SINGLE GRATE	T.F.=251.00 12" HDPE INV (W IN)=247.23 12" HDPE INV (E OUT)=247.23
383 1' ROUND GRATE	T.F.=256.50 12" HDPE INV (W IN)=247.16 15" HDPE INV (E OUT)=246.91
385 1' ROUND GRATE	T.F.=257.19 15" HDPE INV (SW IN)=245.91 15" HDPE INV (E OUT)=245.91
386 1' ROUND GRATE	T.F.=257.50 15" HDPE INV (W IN)=246.47 15" HDPE INV (NE OUT)=246.47
387 1' ROUND GRATE	T.F.=257.10 15" HDPE INV (SW IN)=246.36 15" HDPE INV (NE OUT)=246.36
389 HYDRODYNAMIC SEPARATOR	T.F.=256.40 24" HDPE INV (SW IN)=244.73 18" HDPE INV (SW IN)=249.51 24" HDPE INV (NE OUT)=244.73
390 2' ROUND GRATE	T.F.=271.75 12" HDPE INV (NE OUT)=268.46
395 TYPE "C" SINGLE GRATE	T.F.=259.95 12" HDPE INV (SW IN)=256.50 15" HDPE INV (N OUT)=256.25
398 5' STORM MANHOLE	T.F.=256.78 15" HDPE INV (E IN)=250.49 15" HDPE INV (NW OUT)=250.49
399 36" R.C.C.E.	T.F.=182.14 36" RCP INV (SW IN)=178.72
400 TYPE "C" SINGLE GRATE	T.F.=188.96 15" RCP INV (NE OUT)=185.48
401 TYPE "C" SINGLE GRATE	T.F.=188.94 15" RCP INV (SW IN)=184.74 15" RCP INV (E OUT)=184.74
402 TYPE "C" SINGLE GRATE	T.F.=196.44 15" RCP INV (W IN)=190.50 15" RCP INV (SE OUT)=190.50
403 TYPE "C" SINGLE GRATE	T.F.=200.90 12" RCP INV (S OUT)=195.60
404 TYPE "C" SINGLE GRATE	T.F.=201.25 12" RCP INV (N IN)=195.10 15" RCP INV (E OUT)=195.00
802 TYPE "C" SINGLE GRATE	T.F.=196.15 15" RCP INV (S IN)=192.65 15" RCP INV (NW OUT)=192.65
810 TYPE "C" SINGLE GRATE	T.F.=188.13 30" HDPE INV (W IN)=184.60 15" RCP INV (N IN)=184.10 36" RCP INV (W IN)=180.59 36" RCP INV (SE OUT)=180.59
811 TYPE "C" SINGLE GRATE	T.F.=189.25 15" RCP INV (S OUT)=185.03
812 TYPE "C" SINGLE GRATE	T.F.=188.96 15" RCP INV (N IN)=184.42 15" RCP INV (S OUT)=184.42

STRUCTURE TYPES

1. CATCH BASINS:
   - 1.1. TYPE "C" SINGLE GRATE
   - 1.2. TYPE "C-L" SINGLE GRATE
   - 1.3. TYPE "C" DOUBLE GRATE
   - 1.4. TYPE "C-L" DOUBLE GRATE
2. HD YARD DRAINS:
   - 2.1. 1' SQUARE GRATE
3. LD YARD DRAINS:
   - 3.1. 1' ROUND GRATE
   - 3.2. 2' ROUND GRATE
4. REINFORCED CONCRETE CULVERT ENDS:
   - 4.1. 12" R.C.C.E.
   - 4.2. 15" R.C.C.E.
   - 4.3. 18" R.C.C.E.
   - 4.4. 24" R.C.C.E.
   - 4.5. 36" R.C.C.E.
5. MAHOLES:
   - 5.1. 5' STORM MANHOLE
   - 5.2. HYDRODYNAMIC SEPARATOR
   - 5.3. OUTLET CONTROL STRUCTURE

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PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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CAD FILE: 20140986S10_STM01_Phase 1.dwg
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SHEET TITLE
DRAINAGE
STRUCTURE TABLES

CG-002

DATUM VERT.: N.A. DATUM HORZ.: N.A.
SCALE HORZ.: N.A. SCALE VERT.: N.A.
0
GRAPHIC SCALE

J:\DWG\P2014\0986\S10\Civil\Plan\Phase 1\20140986S10_STM01_Phase 1.dwg 05/14/2018 5:41:05 PM lmello

SEE SHEET CG-104

SEE SHEET CG-105

SEE SHEET CG-102

HD YD 312
1' SQUARE GRATE

CB 206
TYPE "C" SINGLE GRATE

24" RCP
L=83'
S=2.5%

12" HDPE
L=91'
S=0.5%

12" HDPE
L=54'
S=3.1%

LD YD 349
1' ROUND GRATE

30" HDPE
L=200'
S=2.1%

FFE
227.71

12" HDPE
L=64'
S=0.5%

HD YD 313
1' SQUARE GRATE

12" HDPE
L=32'
S=0.5%

LD YD 378
1' ROUND GRATE

LD YD 348
1' ROUND GRATE

12" HDPE
L=36'
S=0.5%

30" HDPE
L=87'
S=1.2%

FFE
224.71

FFE
218.87

12" HDPE
L=150'
S=3.0%

24" HDPE
L=84'
S=0.5%

FFE
207.00

LD YD 347
1' ROUND GRATE

CB 205
TYPE "C" SINGLE GRATE

FFE
214.11

FFE
211.11

EX
FFE
202.0

LD YD 375
1' ROUND GRATE

EX
FFE
200.0

6" HDPE
L=25'
S=1.0%

CB 146
TYPE "C" SINGLE GRATE
RESET FRAME AND GRATE.
MAINTAIN EXISTING INVERT.

CB 147
TYPE "C" SINGLE GRATE
RESET FRAME AND GRATE.
MAINTAIN EXISTING INVERT.

12" RCP
L=30'
S=1.1%

CB 113
TYPE "C" SINGLE GRATE

CB 115
TYPE "C" SINGLE GRATE

MODIFIED RIPRAP APRON
L=8'
W1=5'
W2=8'

6" HDPE
L=21'
S=1.0%

CB 118
TYPE "C" SINGLE GRATE

24" RCP
L=36'
S=3.7%

INV=191.00

15" RCP
L=41'
S=0.6%

30" HDPE
L=51'
S=1.3%

18" RCP
L=36'
S=0.6%

18" R.C.C.E. 368
INV=191.03

CB 122
TYPE "C" SINGLE GRATE

CB 114
TYPE "C" SINGLE GRATE

CB 116
TYPE "C" SINGLE GRATE

5' FLAT TOP STORM MANHOLE 143

18" RCP
L=66'
S=0.5%

15" RCP
L=40'
S=0.9%

24" RCP
L=82'
S=4.2%

24" RCP
L=31'
S=0.6%

24" RCP
L=236'
S=1.1%

15" RCP
L=21'
S=0.7%

CB 112
TYPE "C" SINGLE GRATE

12" HDPE
L=33'
S=7.3%

24" RCP
L=71'
S=3.4%

CB 161
TYPE "C" SINGLE GRATE

12" HDPE
L=69'
S=1.0%

FFE
210.0

CB 234
TYPE "C" SINGLE GRATE

12" HDPE
L=22'
S=1.1%

CB 235
TYPE "C" SINGLE GRATE

24" HDPE
L=36'
S=0.5%

CB 111
TYPE "C" SINGLE GRATE

HD YD 284
1' SQUARE GRATE

197.3

MAINTAIN EXISTING
PIPE OUTLET

CB 117
TYPE "C" SINGLE GRATE

FFE
221.56

24" HDPE
L=104'
S=0.5%

CB 204
TYPE "C" SINGLE GRATE

REMOVE AND RESET
EXISTING CATCH BASIN
FRAME AND GRATE

EX FFE
197.2

15" RCP
L=37'
S=2.2%

HD YD 283
1' SQUARE GRATE

15" RCP
L=98'
S=2.5%

CB 802
TYPE "C" SINGLE GRATE

CB 128
TYPE "C" SINGLE GRATE

15" RCP
L=47'
S=0.5%

EX FFE
197.7

EX
FFE
199.8

15" RCP
L=135'
S=3.5%

24" HDPE
L=10'
S=10.0%

CB 203
TYPE "C" SINGLE GRATE

REINFORCE
BANK WITH
STONE ARMOUR

INV=199.45

24" R.C.C.E. 140
INV=199.48

24" RCP
L=26'
S=0.5%

CB 369
TYPE "C" SINGLE GRATE

CB 201
TYPE "C" SINGLE GRATE

CB 137
TYPE "C" SINGLE GRATE

CB 141
TYPE "C" SINGLE GRATE

24" RCP
L=21'
S=7.8%

MAINTAIN EXISTING
FLOW LINE
INV=201.2±

15" RCP
L=99'
S=2.8%

18" RCP
L=21'
S=6.3%

18" RCP
L=110'
S=0.5%

15" RCP
L=19'
S=0.6%

15" RCP
L=21'
S=0.6%

CB 202
TYPE "C" SINGLE GRATE

18" RCP
L=20'
S=4.8%

CB 200
TYPE "C" SINGLE GRATE

CB 138
TYPE "C" SINGLE GRATE

STMH 164
HYDRODYNAMIC SEPARATOR

18" RCP
L=2'
S=1.4%

18" RCP
L=43'
S=1.1%

CB 136
TYPE "C" SINGLE GRATE

CB 191
TYPE "C" SINGLE GRATE

18" RCP
L=105'
S=5.3%

CB 133
TYPE "C" SINGLE GRATE

12" RCP
L=28'
S=1.4%

EXISTING STMH 192
MATCH EXISTING INVERTS

15" RCP
L=93'
S=5.0%

CB 190
TYPE "C" SINGLE GRATE

RESET EXISTING CB FRAME AND GRATE
MATCH EXISTING T.F. AND INVERTS

12" RCP
L=80'
S=0.5%

CONNECT TO EXISTING PIPE
12" RCP
L=16'
S=MAINTAIN EXISTING

CB 367
MATCH EXISTING INVERTS

RESET EXISTING CB FRAME AND GRATE
MATCH EXISTING T.F. AND INVERTS

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

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PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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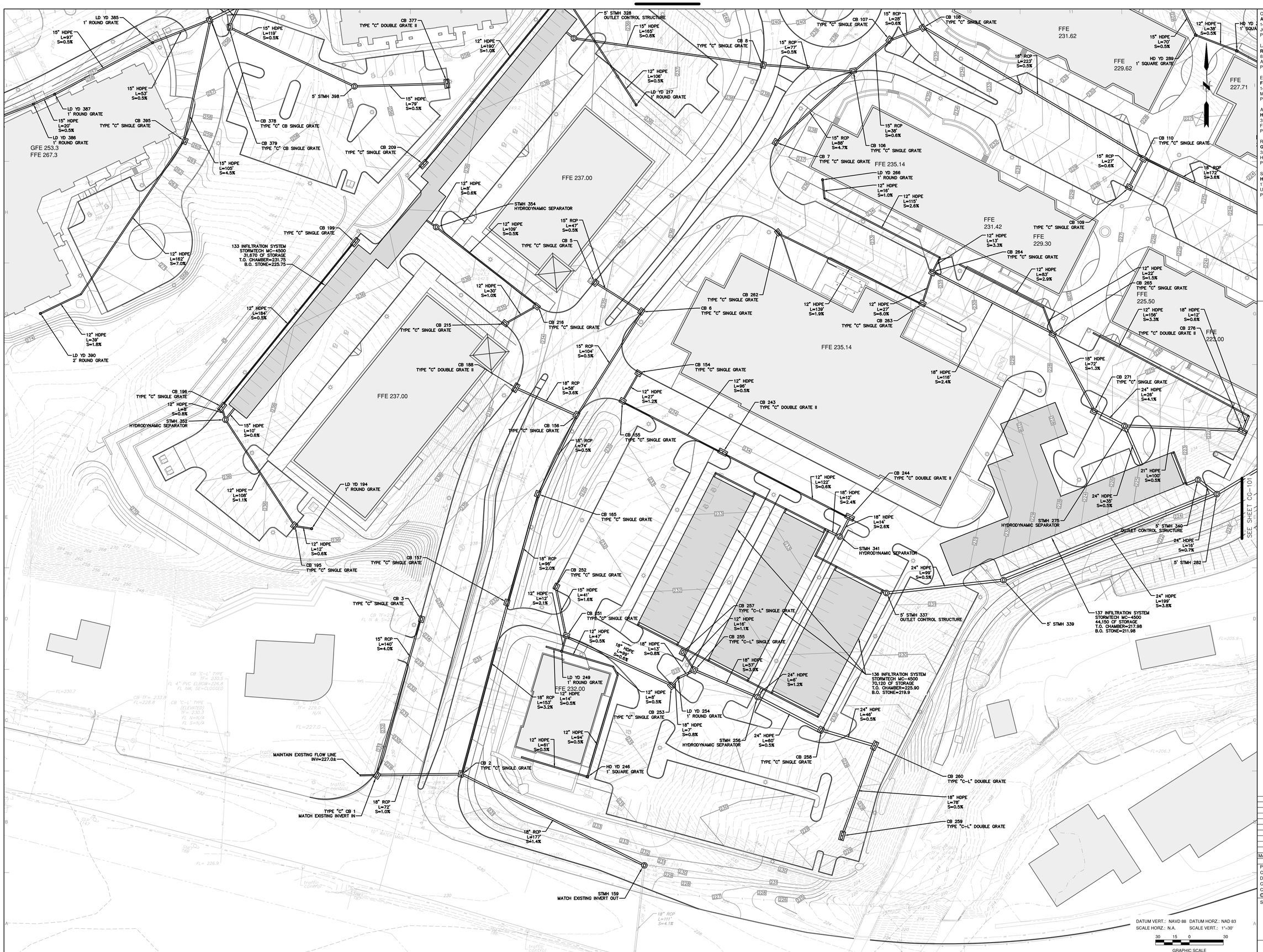
SHEET TITLE

DRAINAGE
PLAN

CG-101

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
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PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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35 GROVE STREET
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PHONE: 856-429-2001

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HODGE, LLC
1783 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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SHEET TITLE

DRAINAGE PLAN

CG-102

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PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

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DRAINAGE PLAN

CG-103

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GRAPHIC SCALE

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SEE SHEET CG-103

SEE SHEET CG-102

SEE SHEET CG-104

OWNER/DEVELOPER
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PHASE ONE AVON VILLAGE

AVON, CONNECTICUT

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DRAINAGE PLAN

CG-104

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

GRAPHIC SCALE

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SEE SHEET CG-106

SEE SHEET CG-104

15" RCP
L=144'
S=1.9%

CB 20
TYPE "C" SINGLE GRATE

CB 811
TYPE "C" SINGLE GRATE

15" RCP
L=36'
S=1.7%

CB 812
TYPE "C" SINGLE GRATE

15" RCP
L=28'
S=1.1%

36" RCP
L=125'
S=1.4%

CB 18
TYPE "C" SINGLE GRATE

15" RCP
L=59'
S=1.6%

30" RCP
L=107'
S=3.1%

CB 16
TYPE "C" SINGLE GRATE

CB 179
TYPE "C" SINGLE GRATE

30" RCP
L=102'
S=4.0%

36" RCP
L=124'
S=0.8%

CB 19
TYPE "C" SINGLE GRATE

CB 810
TYPE "C" SINGLE GRATE

30" HDPE
L=31'
S=1.9%

LD YD 359
2' ROUND GRATE

399 "TYPE 1" STILLING BASIN
8" INTERMEDIATE STONE
F=1.5'
B=15'
C=18'
INV=178.67

36" R.C.C.E. 399
INV=178.72

36" RCP
L=25'
S=0.7%

30" HDPE
L=117'
S=1.1%

LD YD 365
2' ROUND GRATE

15" RCP
L=57'
S=0.5%

CB 17
TYPE "C" SINGLE GRATE

30" HDPE
L=292'
S=1.1%

CB 184
EXISTING TYPE "C-L" SINGLE GRATE

30" HDPE
S=0.8%

CB 358
TYPE "C-L" SINGLE GRATE

30" HDPE
L=77'
S=3.8%

30" HDPE
L=200'
S=2.1%

LD YD 349
1' ROUND GRATE

12" HDPE
L=32'
S=0.5%

LD YD 376
1' ROUND GRATE

LD YD 348
1' ROUND GRATE

12" HDPE
L=36'
S=0.5%

30" HDPE
L=87'
S=1.2%

CB 146
TYPE "C" SINGLE GRATE
RESET FRAME AND GRATE.
MAINTAIN EXISTING INVERT.

12" RCP
L=30'
S=1.1%

CB 147
TYPE "C" SINGLE GRATE
RESET FRAME AND GRATE.
MAINTAIN EXISTING INVERT.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

SEE SHEET CG-101

OWNER/DEVELOPER
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STATE OF CONNECTICUT
REGISTERED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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SHEET TITLE

DRAINAGE PLAN

CG-105

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PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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SHEET TITLE
DRAINAGE PLAN

CG-106

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'
30 15 0 30
GRAPHIC SCALE

CB 28 TYPE "C" SINGLE GRATE
12" RCP L=36' S=1.4%
CB 29 TYPE "C" SINGLE GRATE
15" RCP L=36' S=1.4%
15" R.C.C.E. 148 INV=174.23
INV=174.14
MODIFIED RIPRAP APRON L=7' W1=4' W2=7'
MODIFIED RIPRAP APRON L=7' W1=5' W2=10'
INV=177.52
15" R.C.C.E. 174 INV=177.55
CB 26 TYPE "C" SINGLE GRATE
15" RCP L=178' S=0.5%
15" RCP L=36' S=1.3%
CB 27 TYPE "C" SINGLE GRATE
CB 30 TYPE "C" SINGLE GRATE
15" RCP L=37' S=0.6%
CB 31 TYPE "C" SINGLE GRATE
15" RCP L=37' S=0.5%
5' STMH 175
15" RCP L=39' S=1.1%
CB 24 TYPE "C" SINGLE GRATE
STMH 176 REPLACE EXISTING CB FRAME AND COVER WITH MANHOLE FRAME AND COVER MATCH EXISTING INVERTS
15" RCP L=157' S=1.3%
CB 401 TYPE "C" SINGLE GRATE
15" RCP L=25' S=4.0%
CB 121 TYPE "C" SINGLE GRATE
15" RCP L=119' S=0.5%
15" RCP L=37' S=0.5%
CB 95 TYPE "C" SINGLE GRATE
24" RCP L=109' S=0.5%
24" R.C.C.E. 119 INV=178.11
INV=178.00
MODIFIED RIPRAP APRON L=17' W1=6' W2=15'
TYPE "C" CB 402 REPLACE EXISTING MH FRAME AND GRATE WITH CB FRAME AND GRATE MATCH EXISTING INVERTS
15" RCP L=157' S=1.3%
15" RCP L=110' S=4.8%
CB 400 TYPE "C" SINGLE GRATE
15" RCP L=37' S=2.2%
CB 97 TYPE "C" SINGLE GRATE
24" RCP L=36' S=0.5%
MODIFIED RIPRAP APRON L=7' W1=4' W2=7'
INV=178.80
15" R.C.C.E. 193 INV=179.00
15" RCP L=36' S=3.1%
24" RCP L=110' S=1.2%
CB 23 TYPE "C" SINGLE GRATE
15" RCP L=178' S=0.5%

SEE SHEET CG-107
SEE SHEET CG-105

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OWNER/DEVELOPER
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70 COMMERCE PARK NORTH AVENUE
UNIONVILLE, CT. 06085
PHONE: 860-673-0444

AVON, CONNECTICUT

AVON VILLAGE CENTER
PHASE ONE

MARK	DATE	DESCRIPTION
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CG-107

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CB 403
TYPE "C" SINGLE GRATE
(NOT FRAMED)
MATCH EXISTING INVERT IN

CB 404
TYPE "C" SINGLE GRATE
(RESET FRAME)
MATCH EXISTING INVERT IN

24" RCP
L=176'
S=1.2%

CB 96
TYPE "C" DOUBLE GRATE II

CB 23
TYPE "C"
SINGLE GRATE

15" RCP
L=175'
S=0.7%

CB 22
TYPE "C" SINGLE GRATE

15" RCP
L=44'
S=1.9%

CB 20
TYPE "C" SINGLE GRATE

CB 811
TYPE "C" SINGLE

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'
30 15 0 30
GRAPHIC SCALE

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DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=100
100 50 0 100
GRAPHIC SCALE

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1 FINANCIAL PLAZA
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STATE OF CONNECTICUT
REGISTERED PROFESSIONAL ENGINEER

PHASE ONE
AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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SHEET TITLE
OVERALL UTILITY PLAN

CU-001

SEE SHEET CU-104

SEE SHEET CU-105

SEE SHEET CU-102

8" PVC
L=169'
S=2.1%

8" DUCTILE IRON WATER MAIN CLASS 52

SANITARY SEWER BLIND CONNECTION (TYP)

TRANSFORMER PAD

4' SMH 28
T.F.=210.36
12" PVC INV (S IN)=206.87
8" PVC INV (W IN)=207.16
12" PVC INV (N OUT)=206.77

GAS SERVICE

ELECTRIC SERVICE TO BUILDING

8" PVC
L=134'
S=2.6%

EXISTING GAS SERVICE TO REMAIN AND ACTIVE DURING CONSTRUCTION. PROTECT DURING CONSTRUCTION.

10" PVC
L=301'
S=2.0%

CONNECT EXISTING LATERALS TO SEWER

ELECTRIC SERVICE TO BUILDING

GAS METER

SANITARY SEWER LATERAL (2% SLOPE MIN.)

SANITARY SEWER BLIND CONNECTION (TYP)

4' SMH 87
T.F.=226.10
8" PVC INV (NW IN)=218.85
CONNECT SERVICE LATERAL TO MANHOLE
8" PVC DROP INV (E OUT)=210.50

12" PVC
L=197'
S=2.0%

GAS METER

SANITARY SEWER LATERAL (2% SLOPE MIN.)

4' SMH 132
T.F.=207.32
CONNECT SERVICE LATERAL TO MANHOLE
8" PVC INV (E OUT)=203.30

8" PVC INV (W IN)=199.84
8" PVC INV (NE OUT)=199.74

4' SMH 103
T.F.=204.63

TRANSFORMER PAD

WATER SERVICE (FIRE SUPPRESSION)

WATER SERVICE (DOMESTIC)

CONNECT TO EXISTING WATER SERVICE. FIELD VERIFY LOCATION AND SIZE PRIOR TO CONSTRUCTION.

1" TYPE "K" COPPER WATER SERVICE (DOMESTIC)

CONNECT TO EXISTING WATER SERVICE. FIELD VERIFY LOCATION AND SIZE PRIOR TO CONSTRUCTION.

5' SMH 86
T.F.=205.56
8" PVC INV (SW IN)=199.37
10" PVC INV (N OUT)=199.10

PROVIDE 6" WATER MAIN CAP

CONNECT TO EXISTING WATER SERVICE. FIELD VERIFY LOCATION AND SIZE PRIOR TO CONSTRUCTION.

8" DUCTILE IRON WATER MAIN CLASS 52

8"x8" TEE

PROVIDE 8" WATER MAIN CAP

8" DUCTILE IRON WATER MAIN CLASS 52

45° BEND

12" PVC
L=91'
S=2.0%

4' SMH 29
T.F.=215.85
12" PVC INV (S IN)=210.99
12" PVC INV (N OUT)=210.89

GAS METER

ELECTRIC SERVICE TO BUILDING

WATER SERVICE (DOMESTIC)

WATER SERVICE (FIRE SUPPRESSION)

SANITARY SEWER BLIND CONNECTION (TYP)

SANITARY SEWER LATERAL (2% SLOPE MIN.)

CONNECT TO EXISTING SEWER LATERAL LOCATE/VERIFY SEWER LATERAL PRIOR TO CONSTRUCTION.

6" PVC
L=17'
S=2.0% (MIN)

6" PVC
L=23'
S=2.0% (MIN)

PROVIDE 8" WATER MAIN CAP

CONNECT TO EXISTING GAS MAIN. COORDINATE WITHY UTILITY PROVIDER PRIOR TO CONSTRUCTION.

8" TAPPING SLEEVE AND GATE VALVE. CONNECT TO EXISTING WATER MAIN IN ENSIGN DRIVE COORDINATE WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION.

4' SMH 82
T.F.=217.54
12" PVC INV (SW IN)=213.04
12" PVC INV (N OUT)=212.94

4' SMH 105
T.F.=198.95
6" PVC INV (N IN)=193.93
6" PVC INV (E IN)=193.93
8" PVC INV (SW OUT)=193.66

22.5° BEND

8" PVC
L=215'
S=2.6%

8" PVC
L=19'
S=0.5%

EXISTING GAS, WATER, ELECTRIC, AND COMMUNICATIONS TO REMAIN AND STAY ACTIVE THROUGHOUT CONSTRUCTION PROTECT DURING CONSTRUCTION

4' SMH 108
T.F.=198.00
8" PVC INV (SW IN)=192.00
8" PVC INV (SE OUT)=191.90

11.25° BEND

12" PVC
L=178'
S=2.0%

CONNECT TO EXISTING WATER SERVICE. COORDINATE WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION

BLOW OFF

EXISTING GAS, WATER, ELECTRIC, AND COMMUNICATIONS TO REMAIN AND STAY ACTIVE THROUGHOUT CONSTRUCTION. PROTECT DURING CONSTRUCTION.

6" PVC
L=13'
S=2.0% (MIN)

6" PVC
L=44'
S=1.1%

8" PVC
L=116'
S=0.5%

CONNECT TO EXISTING SEWER LATERAL. LOCATE/VERIFY SEWER LATERAL PRIOR TO CONSTRUCTION.

8" PVC
L=22'
S=0.9%

4' SMH 106
T.F.=200.80
8" PVC INV (NE IN)=193.27
8" PVC INV (SE OUT)=193.38

4' SMH 81
FLAT TOP
T.F.=219.85
12" PVC INV (NW IN)=216.77
12" PVC INV (NE OUT)=216.67

CONNECT TO EXISTING GAS MAIN. LOCATE/VERIFY PRIOR TO CONSTRUCTION.

PROVIDE GAS MAIN CAP

EXISTING SANITARY SEWER TO REMAIN

4' SMH 111
T.F.=207.86
6" PVC INV (SW IN)=MATCH EXISTING
8" PVC INV (NE OUT)=204.97

EXISTING 4' SMH 107
REPLACE FRAME AND GRATE
T.F.=201.25
8" PVC INV (NW IN)=192.90
EXISTING INV (SE IN)=194.4±
(MATCH EXISTING)
8" PVC INV (NE OUT)=192.63

EXISTING SANITARY SEWER LATERAL TO REMAIN

8" PVC
L=465'
S=0.6%

SEE THIS SHEET

4' SMH 109
T.F.=201.90±
8" PVC INV (NW IN)=188.25
8" PVC INV (E OUT)=188.15
(CONFIRM T.F. PRIOR TO CONSTRUCTION)

8" PVC
L=51'
S=0.6%

SEE THIS SHEET

CONNECT TO EXISTING SANITARY MANHOLE. CORE NEW INVERT TO MATCH EXISTING INVERT. CONTRACTOR TO LOCATE/VERIFY PRIOR TO CONSTRUCTION.

4' SMH 109
T.F.=201.90±
8" PVC INV (NW IN)=188.25
8" PVC INV (E OUT)=188.15
(CONFIRM T.F. PRIOR TO CONSTRUCTION)

8" PVC
L=51'
S=0.6%

LEGEND

- E — ELECTRIC SERVICE
- W — WATER SERVICE
- G — GAS SERVICE
- S — SANITARY SEWER
- Ⓢ

NOTES:

1. TELECOM/DATA CONDUIT TO GENERALLY FOLLOW ELECTRIC SERVICE.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

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PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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SHEET TITLE

UTILITY PLAN

CU-101

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OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401.273.6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860.678-0669

ENGINEER
BARNES-GILDELL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
MEI Architects (formerly French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
53 TANNERY ROAD
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
75 SECESSION AVENUE
UNIONVILLE, CT. 06085
PHONE: 860-673-0444

AVON, CONNECTICUT

AVON VILLAGE CENTER

PHASE ONE

MARK	DATE	DESCRIPTION
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SHEET TITLE
UTILITY PLAN

CU-102

SEE SHEET CU-101

SEE SHEET CU-103

LEGEND
E — ELECTRIC SERVICE
W — WATER SERVICE
G — GAS SERVICE
S — SANITARY SEWER

NOTES:
1. TELECOM/DATA CONDUIT TO GENERALLY FOLLOW ELECTRIC SERVICE.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'
30 15 0 30
GRAPHIC SCALE

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SEE THIS SHEET

SEE THIS SHEET

SEE SHEET CU-104

SEE SHEET CU-102

CONDUIT RISER ON EXISTING UTILITY POLE. CONNECT TO EXISTING ELECTRIC SERVICE. COORDINATE WITH EVERSOURCE ELECTRIC PRIOR TO CONSTRUCTION.

COORDINATE WATER MAIN CONNECTION WITH CWC PRIOR TO CONSTRUCTION

45° BEND

12" RCP L=240' S=17.0%

EXISTING GAS MAIN TO REMAIN PROTECT DURING CONSTRUCTION

TEE AND GATE VALVES

5' SMH 34
T.F.=264.27
12" PVC INV (N IN)=255.65
8" PVC INV (W IN)=255.95
12" PVC INV (S OUT)=255.55

EXISTING PIPE L=119' S=1.0%

EXISTING PIPE L=140' S=4.2%

12" PVC L=146' S=6.1%

11.25° BEND

12" PVC L=110' S=6.1%

12" DUCTILE IRON WATER MAIN CLASS 52

8" X 8" TEE AND GATE VALVES

4' SMH 25
T.F.=246.24
12" PVC INV (NW IN)=239.84
8" PVC INV (SW IN)=240.17
12" PVC INV (SE OUT)=239.74

4' SMH 24
T.F.=253.08
12" PVC INV (N IN)=246.83
12" PVC INV (SE OUT)=246.53

12" DUCTILE IRON WATER MAIN CLASS 52

4' SMH 22
T.F.=251.00
INV. (N IN)=245.21
8" PVC INV (E OUT)=245.21

17.4' – 6" SCH35 PVC PIPE @ 2.0%

4' SMH
T.F. 255.85
INV. (S IN)=252.38
INSIDE DROP
INV. (N OUT)=245.56

6.5' – 6" SCH35 PVC PIPE @ 2.0%

11.25° BEND

22.5° BEND

8" PVC L=56' S=3.7%

8" PVC L=77' S=3.7%

12" PVC L=140' S=3.0%

4' SMH 23
T.F.=248.48
8" PVC INV (W IN)=243.10
8" PVC INV (NE OUT)=243.00

CONNECT TO EXISTING WATER MAIN AT GATE VALVE
COORDINATE WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION

TAPPING SLEEVE AND GATE VALVE DOMESTIC SERVICE

TAPPING SLEEVE AND GATE VALVE FIRE SUPPRESSION

45° BEND

CONNECT TO EXISTING GAS MAIN COORDINATE WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION

EVERSOURCE UTILITIES VAULT

WATER SERVICE (FIRE SUPPRESSION)

WATER SERVICE (DOMESTIC)

SANITARY SEWER LATERAL (2% SLOPE MIN.) INV=252.50

GAS SERVICE

GAS METERS

ELECTRIC METERS

ELECTRIC SERVICE

TRANSFORMER PAD

TRANSFORMER PAD

45° BEND

4' SMH 16
T.F.=238.24
12" PVC INV (W IN)=228.76
15" PVC INV (NE OUT)=228.41

12" PVC L=111' S=6.1%

GAS MAIN

15" PVC L=294' S=6.1%

SANITARY SEWER LATERAL (2% SLOPE MIN.)

ELECTRIC SERVICE TO BUILDING

4' SMH 83
T.F.=233.02
CONNECT SER
LATERAL TO
8" PVC INV
(SE OUT)=2

4' SMH 26
T.F.=241.87
12" PVC INV (NW IN)=235.58
12" PVC INV (E OUT)=235.48

45° BEND

TAPPING SLEEVE AND GATE VALVE DOMESTIC SERVICE

TAPPING SLEEVE AND GATE VALVE FIRE SUPPRESSION

CONNECT TO EXISTING GAS MAIN.COORDINATE WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION.

EVERSOURCE UTILITIES VAULT

WATER SERVICE (DOMESTIC)

WATER SERVICE (FIRE SUPPRESSION)

22.5° BEND

45° BEND

SANITARY SEWER LATERAL (2% SLOPE MIN.) INV=248.80

REMOVE AND RESET SANITARY SEWER MANHOLE T.F=250.86
CORE NEW INVERT AT ELEVATION 240.00
SHAPE TABLE TO CONVEY FLOWS FROM NEW INLET

GAS SERVICE

ELECTRIC SERVICE

ELECTRIC METER

GAS METERS

TRANSFORMER PAD

APPROXIMATE LOCATION OF EXISTING SANITARY SEWER

TRANSFORMER PAD

4' SMH 101
T.F.=236.19
12" PVC INV (SW IN)=228.25
CONNECT SERVICE LATERAL TO MANHOLE
12" PVC INV (E OUT)=228.15

SANITARY SEWER LATERAL (2% SLOPE MIN.)

WATER SERVICE (FIRE SUPPRESSION)

WATER SERVICE (DOMESTIC)

GAS METER

GAS SERVICE

SANITARY SEWER LATERAL (2% SLOPE MIN.)

12" PVC L=75' S=1.9%

12" PVC L=139' S=2.1%

SANITARY SEWER BLIND CONNECTION (TYP)

EVERSOURCE UTILITIES VAULT

4' SMH 79
T.F.=235.83
12" PVC INV (W IN)=226.72
12" PVC INV (SE OUT)=226.62

WATER SERVICE (FIRE SUPPRESSION)

WATER SERVICE (DOMESTIC)

SANITARY SEWER LATERAL (2% SLOPE MIN.)

GAS SERVICE

12" PVC L=232' S=2.0%

GAS METER

SANITARY SEWER LATERAL (2% SLOPE MIN.)

GAS METER

4' SMH 99
T.F.=234.99
8" PVC INV (SW IN)=231.21
12" PVC INV (NE OUT)=231.11

4' SMH 117
T.F.=235.52
8" PVC INV (SW IN)=233.63
CONNECT SERVICE LATERAL TO MANHOLE
8" PVC INV (NE OUT)=233.53

8" PVC L=118' S=2.0%

SANITARY SEWER LATERAL (2% SLOPE MIN.)

WATER SERVICE (FIRE SUPPRESSION)

WATER SERVICE (DOMESTIC)

GAS METER

SANITARY SEWER BLIND CONNECTION (TYP)

SANITARY SEWER LATERAL (2% SLOPE MIN.)

GAS SERVICE

8" PVC L=127' S=2.0%

EVERSOURCE UTILITIES VAULT

12" DUCTILE IRON WATER MAIN CLASS 52

SANITARY SEWER BLIND CONNECTION (TYP)

4' SMH
T.F.
12" PVC INV (NW I
CONNECT SERVICE LATERALS TO
12" PVC INV (SE OU

36' – SCH35 PVC PIPE
GRE/
T.F.
INV.(SW IN
INV.(NE OUT

SANITARY SEW

14'–SC

LEGEND

E	ELECTRIC SERVICE
W	WATER SERVICE
G	GAS SERVICE
S	SANITARY SEWER

NOTES:

1. TELECOM/DATA CONDUIT TO GENERALLY FOLLOW ELECTRIC SERVICE.

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PHONE: 860-673-0444

STATE OF CONNECTICUT
CHRISTOPHER R. BOWLEY
LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

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UTILITY PLAN

CU-103

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SEE SHEET CU-107

CONNECT TO EXISTING GAS MAIN
COORDINATE WITH UTILITY PROVIDER
PRIOR TO CONSTRUCTION

CAP EXISTING GAS MAIN
COORDINATE WITH UTILITY PROVIDER
PRIOR TO CONSTRUCTION

EVERSOURCE UTILITIES VAULT
CONNECT TO EXISTING ELECTRIC SERVICE
COORDINATE WITH UTILITY PROVIDER PRIOR
TO CONSTRUCTION

COORDINATE WATER MAIN
ABANDONMENT WITH CWC
PRIOR TO CONSTRUCTION

CUT AND CAP EXISTING 12" MAIN.
COORDINATE WITH CWC PRIOR TO
CONSTRUCTION.

15" PVC
L=167'
S=0.4%

4' SMH 7
T.F.=189.81
15" RCP INV (S IN)=184.06
15" PVC INV (NE OUT)=183.96

12" PVC
L=125'
S=2.1%

15" RCP
L=131'
S=0.4%

CAP PIPE STUB AND
PROVIDE METAL LOCATING
STAKE TO GRADE

12" DUCTILE IRON WATER MAIN
CLASS 52

CAP PIPE STUB AND PROVIDE
METAL LOCATING STAKE TO GRADE

12" PVC
L=50'
S=2.1%

15" PVC
L=86'
S=3.9%

4' SMH 14
T.F.=215.11
15" PVC INV (SW IN)=202.40
15" PVC INV (E OUT)=202.30

GAS MAIN

12" DUCTILE IRON WATER MAIN
CLASS 52

8" PVC
L=40'
S=2.5%

CAP PIPE STUB
AND PROVIDE
METAL LOCATING
STAKE TO GRADE

12" PVC
L=54'
S=2.1%

GAS MAIN

22.5° BEND

15" PVC
L=208'
S=3.9%

4' SMH 13
T.F.=212.20
15" PVC INV (W IN)=198.99
12" PVC INV (S IN)=199.24
12" PVC INV (N IN)=199.24
15" RCP INV (E OUT)=198.89

15" RCP
L=204'
S=2.0%

4' SMH 12
T.F.=204.66
15" RCP INV (W IN)=194.74
15" PVC INV (E OUT)=194.64

15" PVC
L=228'
S=2.0%

4' SMH 11
T.F.=195.91
15" PVC INV (W IN)=190.01
15" PVC INV (NE OUT)=189.91

5' SMH 9
T.F.=189.59
15" PVC INV (SW IN)=185.40
12" PVC INV (SW IN)=184.77
12" PVC INV (NW IN)=185.40
15" RCP INV (N OUT)=184.60

EVERSOURCE UTILITIES VAULT
CONNECT TO EXISTING ELECTRIC
SERVICE. COORDINATE WITH UTILITY
PROVIDER PRIOR TO CONSTRUCTION.

EXISTING GAS MAIN TO REMAIN
PROTECT DURING CONSTRUCTION

15" PVC
L=222'
S=2.0%

12" PVC
L=250'
S=1.0%

12" PVC
L=201'
S=1.8%

8" DUCTILE IRON
WATER MAIN
CLASS 52

TRANSFORMER PAD

GAS SERVICE

ELECTRIC SERVICE
TO BUILDING

WATER SERVICE
(FIRE SUPPRESSION)

WATER SERVICE (DOMESTIC)

GAS METER

4' SMH 15
T.F.=225.47
15" PVC INV (SW IN)=210.57
12" PVC INV (NW IN)=210.59
15" PVC INV (NE OUT)=210.47

4' SMH 41
T.F.=193.63
12" PVC INV (SW IN)=187.16
12" PVC INV (NE OUT)=187.16

EXISTING UTILITIES AND
SERVICES TO EXISTING
BUILDINGS REMAIN AND
ACTIVE DURING
CONSTRUCTION

12" PVC
L=217'
S=1.0%

4' SMH 37
T.F.=207.41
12" PVC INV (S IN)=202.83
12" PVC INV (N OUT)=202.83

EXISTING UTILITIES AND SERVICES TO EXISTING BUILDINGS REMAIN
AND ACTIVE DURING CONSTRUCTION

12" PVC
L=215'
S=1.8%

SANITARY SEWER BLIND
CONNECTION (TYP)

5' SMH 50
T.F.=196.50
12" RCP INV (S IN)=189.37
EXISTING 8" PVC INV (W IN)=191.25±
(MATCH EXISTING)
12" RCP INV (NE OUT)=189.37

8" PVC
L=250'
S=2.0%

4' SMH 38
T.F.=197.60
10" PVC INV (S IN)=193.00
12" PVC INV (N OUT)=192.73

12" PVC
L=70'
S=2.5%

6" PVC
L=157'
S=VERIFY PRIOR
TO CONSTRUCTION

6" PVC
L=127'
S=VERIFY PRIOR
TO CONSTRUCTION

COORDINATE
UTILITY CROSSING
WITH ENGINEER
PRIOR TO
CONSTRUCTION

8" PVC
L=225'
S=4.5%

CONNECT TO EXISTING
SANITARY LATERAL.
VERIFY INVERT PRIOR
TO CONSTRUCTION.

15" PVC
L=294'
S=6.1%

GAS SERVICE

SANITARY SEWER
BLIND CONNECTION
(TYP)

GAS SERVICE

GAS METER

8" PVC
L=256'
S=4.1%

SANITARY SEWER
BLIND CONNECTION
(TYP)

4' SMH 83
T.F.=233.02
CONNECT SERVICE
LATERAL TO MANHOLE
8" PVC INV
(SE OUT)=229.50

SANITARY SEWER
LATERAL
(2% SLOPE MIN.)

SANITARY
SEWER LATERAL
(2% SLOPE
MIN.)

WATER SERVICE
(FIRE SUPPRESSION)

WATER SERVICE (DOMESTIC)

8" PVC
L=160'
S=2.1%

8" DUCTILE
IRON WATER
MAIN CLASS 52

TRANSFORMER
PAD

4' SMH 28
T.F.=210.36
12" PVC INV (S IN)=206.87
8" PVC INV (W IN)=207.16
12" PVC INV (N OUT)=206.77

SANITARY SEWER
BLIND CONNECTION
(TYP)

8" PVC
L=134'
S=2.6%

GAS
SERVICE

ELECTRIC SERVICE
TO BUILDING

ELECTRIC
SERVICE TO
BUILDING

GAS
METER

SANITARY
SEWER LATERAL
(2% SLOPE MIN.)

SANITARY SEWER BLIND
CONNECTION (TYP)

4' SMH 87
T.F.=226.10
8" PVC INV (NW IN)=218.85
CONNECT SERVICE LATERAL TO MANHOLE
8" PVC DROP INV (E OUT)=210.50

12" PVC
L=197'
S=2.0%

GAS
METER

4' SMH 102
T.F.=207.32
CONNECT SERVICE LATERAL TO MANHOLE
8" PVC INV (E OUT)=203.30

SANITARY SEWER LATERAL
(2% SLOPE MIN.)

8" PVC INV (W IN)=199.84
8" PVC INV (NE OUT)=199.74

4' SMH 103
T.F.=204.63

TRANSFORMER
PAD

8" DUCTILE
IRON WATER
MAIN CLASS 52

10" PVC
L=301'
S=2.0%

CONNECT EXISTING
LATERALS TO SEWER

EXISTING GAS SERVICE TO
REMAIN AND ACTIVE DURING
CONSTRUCTION. PROTECT
DURING CONSTRUCTION.

LEGEND

E — ELECTRIC SERVICE
W — WATER SERVICE
G — GAS SERVICE
S — SANITARY SEWER

NOTES:

1. TELECOM/DATA CONDUIT TO GENERALLY FOLLOW ELECTRIC SERVICE.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

SEE SHEET CU-103

SEE SHEET CU-102

SEE SHEET CU-104

OWNER/DEVELOPER
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SURVEY
HODGE, LLC
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UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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UTILITY PLAN

CU-104

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SEE SHEET CU-106

SEE SHEET CU-104

CONNECT TO EXISTING GAS MAIN
COORDINATE WITH UTILITY PROVIDER
PRIOR TO CONSTRUCTION

CAP EXISTING GAS MAIN
COORDINATE WITH UTILITY PROVIDER
PRIOR TO CONSTRUCTION

EVERSOURCE UTILITIES VAULT
CONNECT TO EXISTING ELECTRIC SERVICE
COORDINATE WITH UTILITY PROVIDER PRIOR
TO CONSTRUCTION

COORDINATE WATER MAIN
ABANDONMENT WITH CWC
PRIOR TO CONSTRUCTION

CUT AND CAP EXISTING 12" MAIN.
COORDINATE WITH CWC PRIOR TO
CONSTRUCTION.

CAP PIPE STUB AND
PROVIDE METAL LOCATING
STAKE TO GRADE

12" DUCTILE IRON WATER MAIN
CLASS 52

GAS MAIN

15" PVC
L=222'
S=2.0%

4' SMH 11
T.F.=195.91
15" PVC INV (W IN)=190.01
15" PVC INV (NE OUT)=189.91

15" PVC
L=167'
S=0.4%

4' SMH 7
T.F.=189.81
15" RCP INV (S IN)=184.06
15" PVC INV (NE OUT)=183.96

12" PVC
L=128'
S=2.1%

15" RCP
L=131'
S=0.4%

5' SMH 9
T.F.=189.59
15" PVC INV (SW IN)=185.40
12" PVC INV (SW IN)=184.77
12" PVC INV (NW IN)=185.40
15" RCP INV (N OUT)=184.60

EVERSOURCE UTILITIES VAULT
CONNECT TO EXISTING ELECTRIC
SERVICE. COORDINATE WITH UTILITY
PROVIDER PRIOR TO CONSTRUCTION.

EXISTING GAS MAIN TO REMAIN
PROTECT DURING CONSTRUCTION

12" PVC
L=250'
S=1.0%

4' SMH 41
T.F.=193.63
12" PVC INV (SW IN)=187.16
12" PVC INV (NE OUT)=187.16

EXISTING UTILITIES AND
SERVICES TO EXISTING
BUILDINGS REMAIN AND
ACTIVE DURING
CONSTRUCTION

12" PVC
L=217'
S=1.0%

SANITARY SEWER BLIND
CONNECTION (TYP)

5' SMH 50
T.F.=195.50
12" RCP INV (S IN)=189.37
EXISTING 8" PVC INV (W IN)=191.25±
(MATCH EXISTING)
12" RCP INV (NE OUT)=189.37

8" PVC
L=250'
S=2.0%

4' SMH 38
T.F.=197.60
15" PVC INV (S IN)=193.00
12" PVC INV (N OUT)=192.73

12" PVC
L=70'
S=2.5%

COORDINATE
UTILITY CROSSING
WITH ENGINEER
PRIOR TO
CONSTRUCTION

6" PVC
L=157'
S=VERIFY PRIOR
TO CONSTRUCTION

6" PVC
L=127'
S=VERIFY PRIOR
TO CONSTRUCTION

8" PVC
L=225'
S=4.5%

CONNECT TO EXISTING
SANITARY LATERAL.
VERIFY INVERT PRIOR
TO CONSTRUCTION.

EXISTING GAS SERVICE TO
REMAIN AND ACTIVE DURING
CONSTRUCTION. PROTECT
DURING CONSTRUCTION.

10" PVC
L=301'
S=2.0%

CONNECT EXISTING
LATERALS TO SEWER

SEE SHEET CU-101

LEGEND

- E — ELECTRIC SERVICE
- W — WATER SERVICE
- G — GAS SERVICE
- S — SANITARY SEWER
- (S) — S

NOTES:

1. TELECOM/DATA CONDUIT TO GENERALLY FOLLOW ELECTRIC SERVICE.

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PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

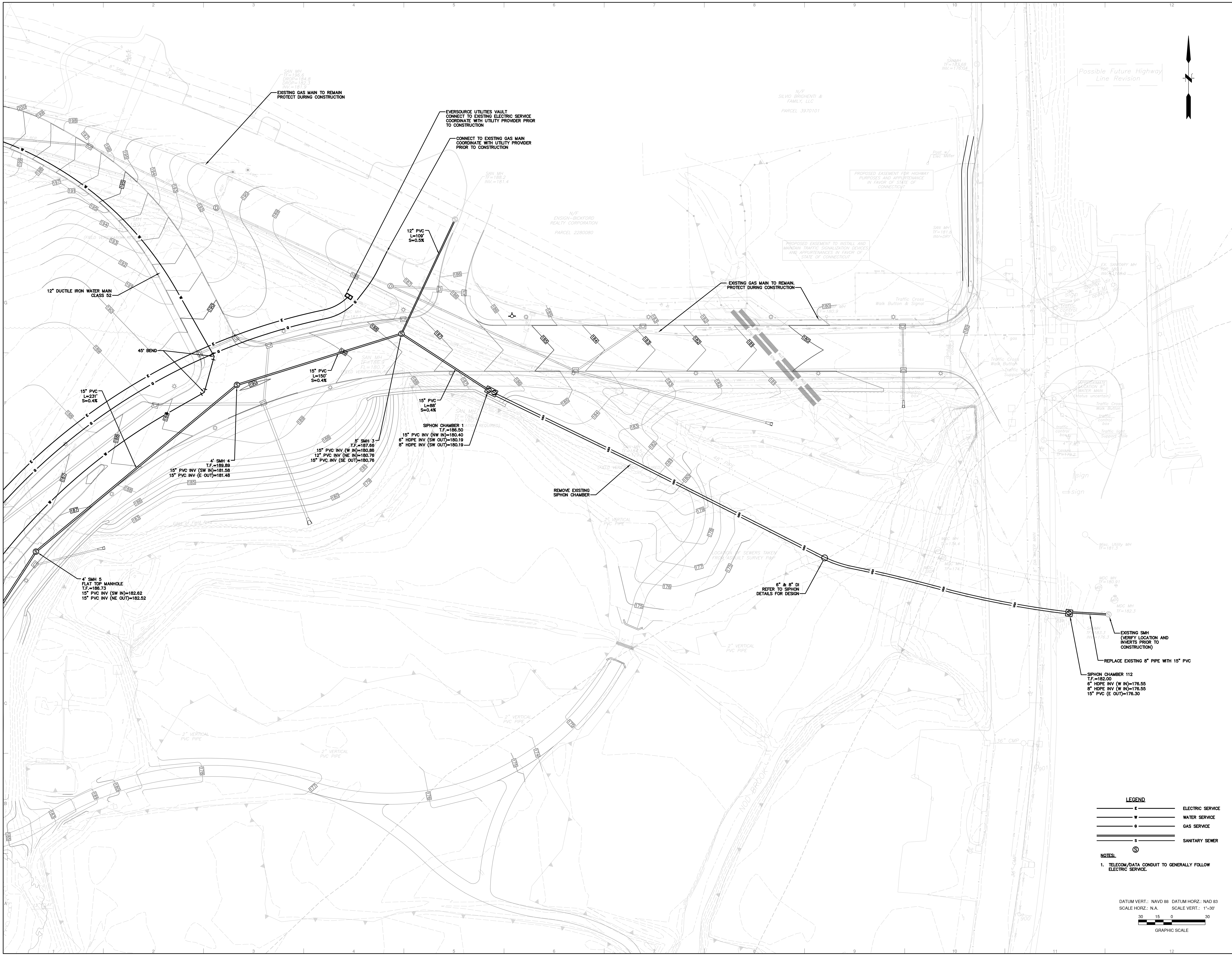
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UTILITY PLAN

CU-105

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SEE SHEET CU-105

LEGEND

—— E ——	ELECTRIC SERVICE
—— W ——	WATER SERVICE
—— G ——	GAS SERVICE
══ S ══	SANITARY SEWER
Ⓢ	

NOTES:

1. TELECOM/DATA CONDUIT TO GENERALLY FOLLOW ELECTRIC SERVICE.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
HFA (Harrison French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1783 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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SHEET TITLE
UTILITY PLAN

CU-106

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OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
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AVON, CT 06001
PHONE: 860-678-0669

ENGINEER
ERIKSON O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
JEFFERSON French & Associates)
31 HAYWARD STREET
FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
53 SHORE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1570 EAST MAIN STREET/ASTON AVENUE
UNIONVILLE, CT. 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/15/18	PERMITTING SET

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SHEET TITLE
UTILITY PLAN

CU-107

SEE SHEET CU-106

SEE SHEET CU-104

12" DUCTILE IRON WATER MAIN CLASS 52

15" PVC L=155.67' S=0.4%

4' SMH 6
T.F.=183.67
15" PVC INV (SW IN)=183.27
15" PVC INV (NE OUT)=183.17

15" PVC L=131' S=0.4%

4' SMH 7
T.F.=189.81
15" RCP IN
15" PVC IN

12" PVC L=131' S=2.5%

15" RCP L=131' S=0.4%

LEGEND
E — ELECTRIC SERVICE
W — WATER SERVICE
G — GAS SERVICE
S — SANITARY SEWER
(S) — SANITARY MANHOLE

NOTES:
1. TELECOM/DATA CONDUIT TO GENERALLY FOLLOW ELECTRIC SERVICE.

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'
30 15 0 30
GRAPHIC SCALE

COORDINATE WATER MAIN CONNECTION WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION

CAP EXISTING GAS MAIN. COORDINATE WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION

CUT AND CAP EXISTING 12" MAIN. COORDINATE WITH CWC PRIOR TO CONSTRUCTION.

CONNECT TO EXISTING GAS MAIN. COORDINATE WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION

CAP EXISTING GAS MAIN COORDINATE WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION

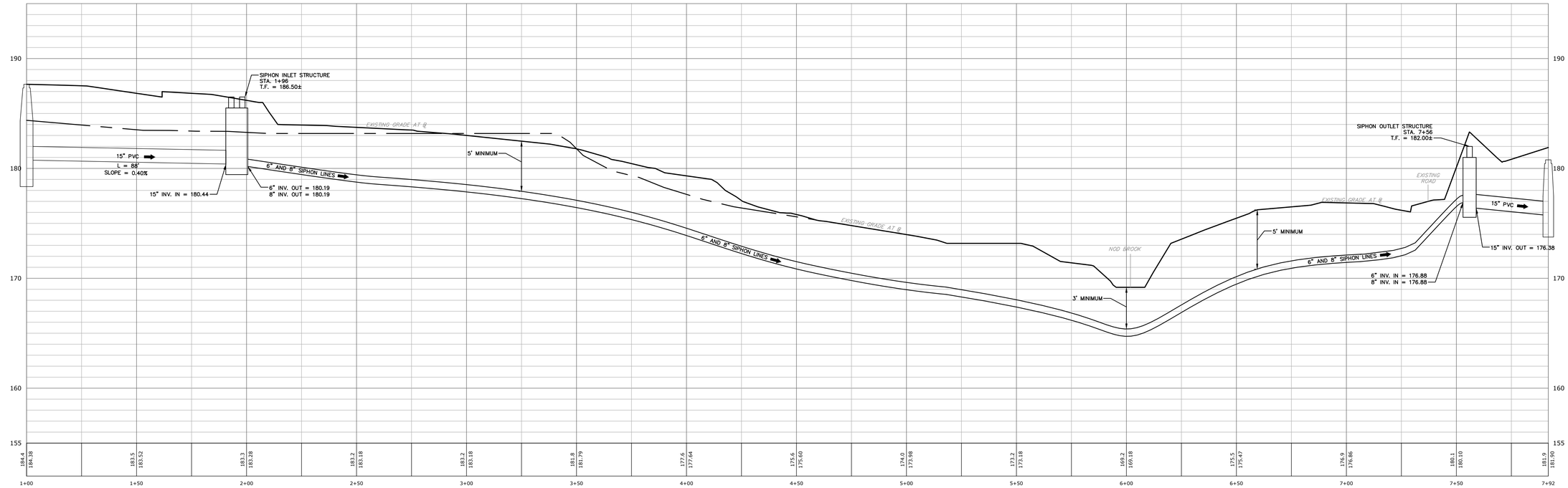
EVERSOURCE UTILITIES VAULT
CONNECT TO EXISTING ELECTRIC SERVICE
COORDINATE WITH UTILITY PROVIDER PRIOR TO CONSTRUCTION

CUT AND CAP EXISTING 12" MAIN. COORDINATE WITH CWC PRIOR TO CONSTRUCTION.

COORDINATE WATER MAIN ABANDONMENT WITH CWC PRIOR TO CONSTRUCTION

CAP PIPE STUB AND PROVIDE METAL LOCATING WIRE TO GRADE

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DATUM VERT.: DATUM HORZ.:
SCALE HORZ.: 1"=20' SCALE VERT.: 1"=4'

20 10 0 20
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-5800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
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PHONE: 508-528-0770

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GATE 17 ARCHITECTURE, LLC
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HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1783 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

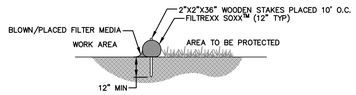
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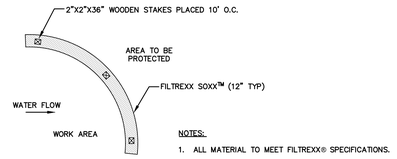
SANITARY SEWER
SIPHON PROFILE

CU-201

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SECTION



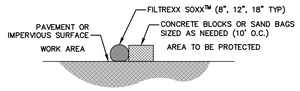
PLAN

NOTES:

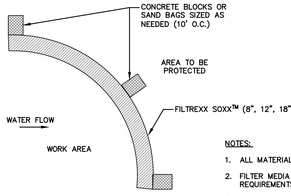
1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
3. COMPOST MATERIAL TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

FILTREXX SEDIMENT CONTROL

NOT TO SCALE



SECTION



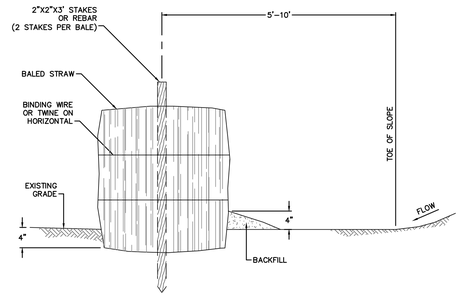
PLAN

NOTES:

1. ALL MATERIAL TO MEET FILTREXX® SPECIFICATIONS.
2. FILTER MEDIA™ FILL TO MEET APPLICATION REQUIREMENTS.
3. FILTER MEDIA TO BE DISPERSED ON SITE, AS DETERMINED BY ENGINEER.

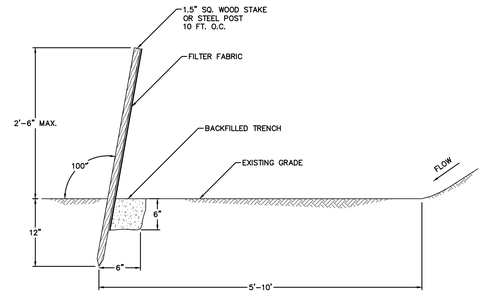
SILT SOXX FOR SEDIMENT CONTROL ON PAVEMENT

NOT TO SCALE



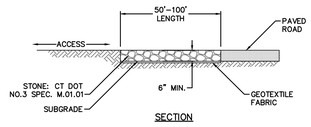
TOE OF SLOPE STRAW BALE BARRIER

NOT TO SCALE

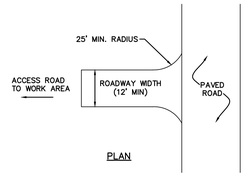


SILT FENCE

NOT TO SCALE



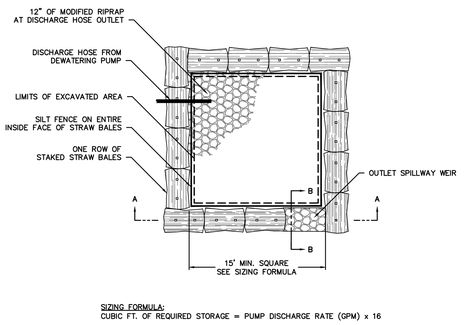
SECTION



PLAN

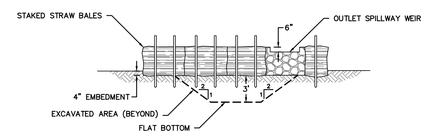
CONSTRUCTION ENTRANCE

NOT TO SCALE

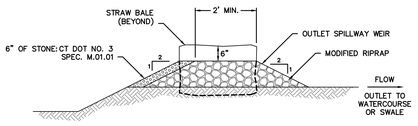


SIZING FORMULA:
CUBIC FT. OF REQUIRED STORAGE = PUMP DISCHARGE RATE (GPM) x 16

PLAN



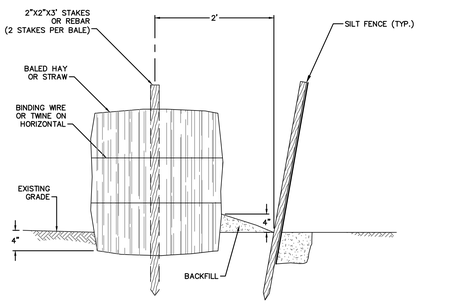
SECTION A–A



SECTION B–B

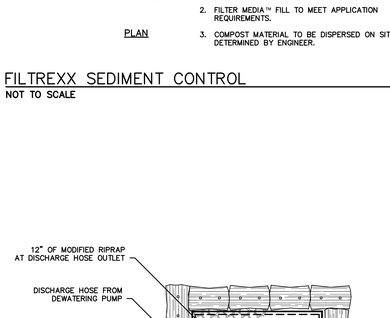
PUMPING SETTLING BASIN TYPE II

NOT TO SCALE



SILT FENCE AND HAYBALE BARRIER

NOT TO SCALE



TOP WIDTH VS. HEIGHT
He = HEIGHT OF EMBANKMENT
We = WIDTH OF EMBANKMENT

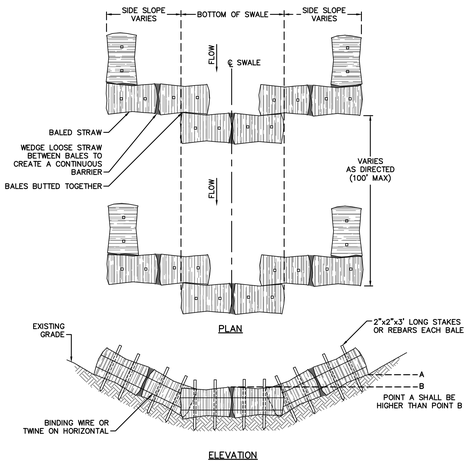
He (FT)	We(ft)
1.5	2.0
2.0	2.0
2.5	2.5
3.0	2.5
3.5	3.0
4.0	3.0
4.5	4.0
5.0	4.5

SECTION B–B

SECTION A–A

TEMPORARY SEDIMENT TRAP

NOT TO SCALE

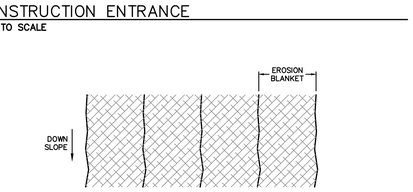


PLAN

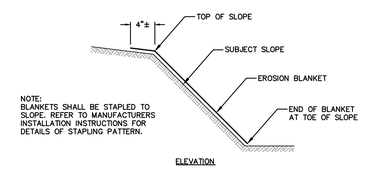
ELEVATION

STRAW BALE CHECK DAM

NOT TO SCALE



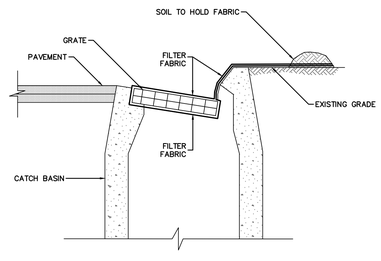
PLAN



ELEVATION

EROSION CONTROL BLANKET

NOT TO SCALE



SEDIMENT CONTROL AT CATCH BASIN IN GUTTER

NOT TO SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
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HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

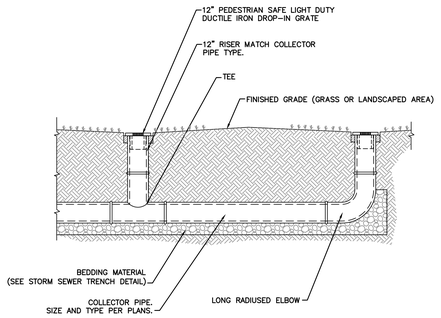
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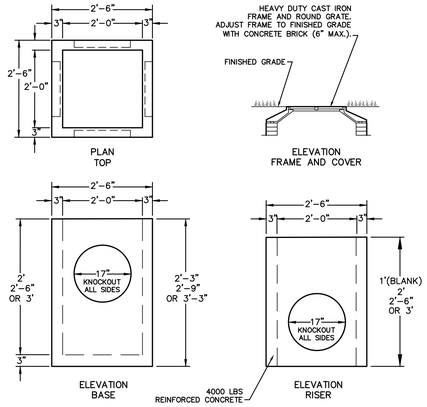
EROSION & SEDIMENT CONTROL DETAILS

CE-501

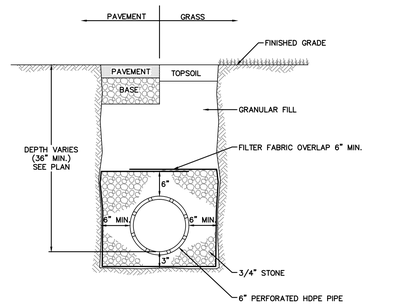
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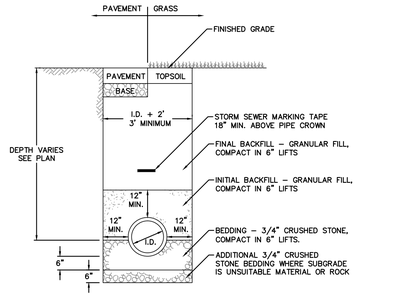
YARD DRAIN (LIGHT DUTY)
NOT TO SCALE



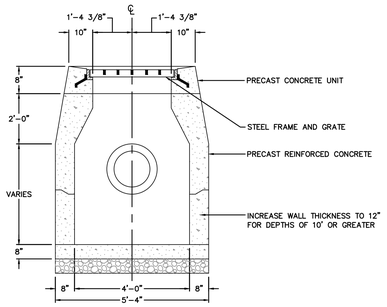
YARD DRAIN (HEAVY DUTY)
NOT TO SCALE

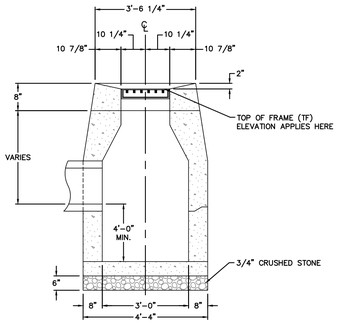


UNDERDRAIN
NOT TO SCALE

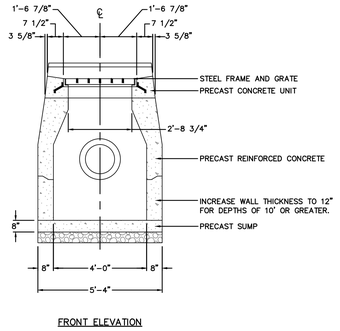


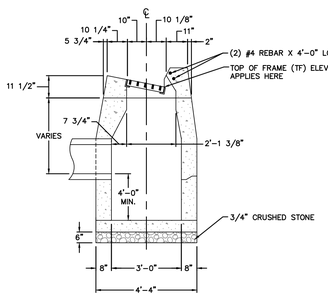
STORM SEWER TRENCH
NOT TO SCALE



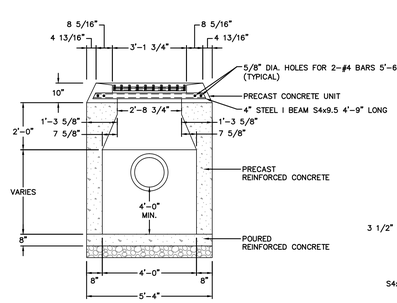


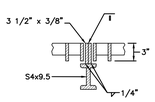
TYPE "C-L" CATCH BASIN
NOT TO SCALE

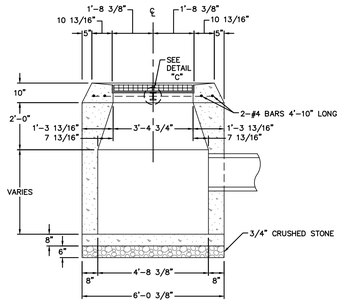




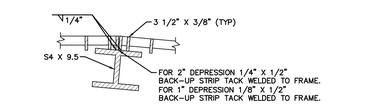
TYPE "C" CATCH BASIN
NOT TO SCALE



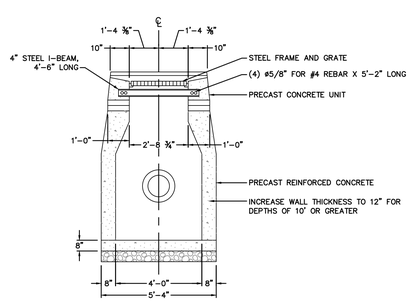


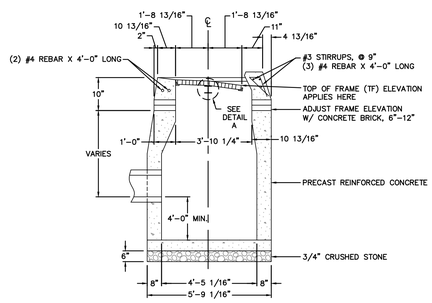


TYPE "C-L" CATCH BASIN DOUBLE GRATE TYPE II
NOT TO SCALE



DETAIL A





TYPE "C" CATCH BASIN, DOUBLE GRATE TYPE I
NOT TO SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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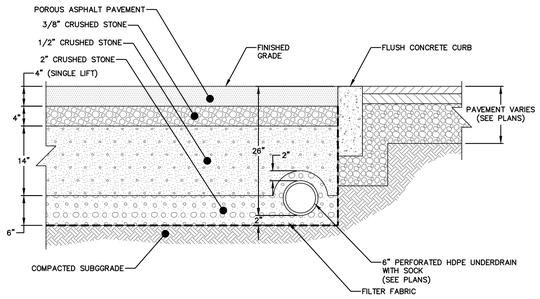
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SHEET TITLE

DRAINAGE DETAILS

CG-501

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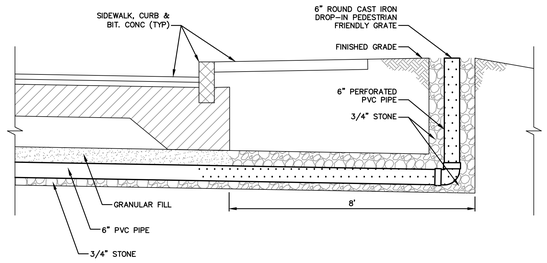
RECOMMENDED MAINTENANCE PROCEDURES:

1. INSPECT PERMEABLE PAVEMENT AT A MINIMUM OF FOUR TIMES PER YEAR INCLUDING INSPECTION IN EARLY APRIL.
2. PERFORM A VISUAL INSPECTION AND NOTE ANY6 CLOGGED OR PARTIALLY CLOGGED AREAS, OR EVIDENCE THEREOF (ACCUMULATED SEDIMENT OR SEDIMENT RINGS).
3. VACUUM PAVEMENT TWICE PER YEAR WITH ON VACUUM OPERATING IN EARLY APRIL.
4. IF VACUUMING ALONE IS INEFFECTIVE, USE LOW PRESSURE WASH FOLLOWED BY VACUUMING,.
5. REMOVE VEGETATION GROWING IN THE PAVEMENT TWICE PER YEAR.
6. DURING SNOW PLOWING OPERATION, USE A DE-ICER. DO NOT USE SAND.

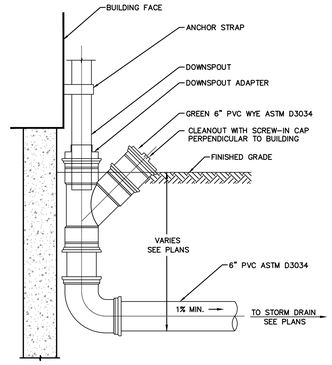
NOTE:

1. CRUSHED STONE SHALL BE DOUBLE WASHED.
2. DEPTH OF 6" PERFORATED HDPE UNDERDRAIN VARIES (SEE SHEET CG1.01). INCREASE DEPTH OF 2" CRUSHED STONE AS REQUIRED TO ACCOMODATE UNDERDRAIN.

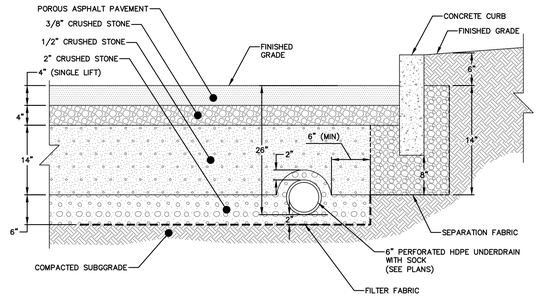
POROUS ASPHALT PAVEMENT
NOT TO SCALE



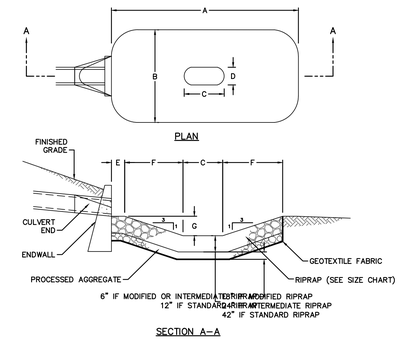
CONVEYANCE TRENCH
NOT TO SCALE



ROOF LEADER DRAIN CONNECTION
NOT TO SCALE

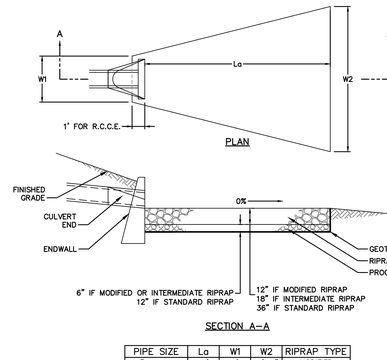


CONCRETE CURB AT POROUS ASPHALT PAVEMENT
NOT TO SCALE



PIPE SIZE	A	B	C	D	E	F	G	RIPRAP TYPE
12" OR LESS	10'	8'	3'	2'-6"	1'	3'-9"	1'-3"	MODIFIED
15"	12'	10'	4'	2'-6"	1'	3'-9"	1'-3"	MODIFIED
18"	14'-6"	12'	4'-6"	3'	1'	4'-6"	1'-6"	INTERMEDIATE
21"	17'	14'	5'-6"	3'-6"	1'	5'-3"	1'-9"	INTERMEDIATE
24"	19'	16'	6'	4'	1'	6'	2'	INTERMEDIATE
30"	23'-6"	20'	7'-6"	5'	1'	7'-6"	2'-6"	STANDARD
36"	28'	24'	9'	6'	1'	9'	3'	STANDARD

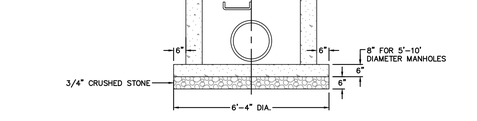
STILLING BASIN
NOT TO SCALE



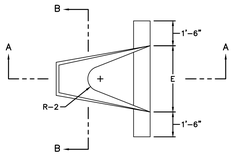
PIPE SIZE	La	W1	W2	RIPRAP TYPE
12" OR LESS	12'	3'	11'-6"	MODIFIED
15"	14'	4'	14'	MODIFIED
18"	16'	4'-6"	16'	INTERMEDIATE
24"	18'	6'	18'	INTERMEDIATE
30"	18'	7'-6"	20'-6"	INTERMEDIATE
36"	20'	9'	23'	STANDARD
42"	22'	10'-6"	26'	STANDARD
48"	26'	12'	30'-6"	STANDARD
54"	28'	13'-6"	33'-6"	STANDARD
60"	30'	15'	36'	STANDARD

NOTE:
CALCULATION FOR APRON ARE BASED ON THE 2000 CONNDOT DRAINAGE MANUAL (REVISED DECEMBER 2003).

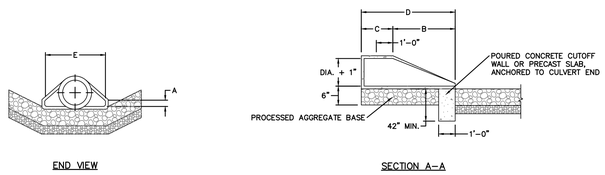
RIPRAP APRON (TYPE "A")
NOT TO SCALE



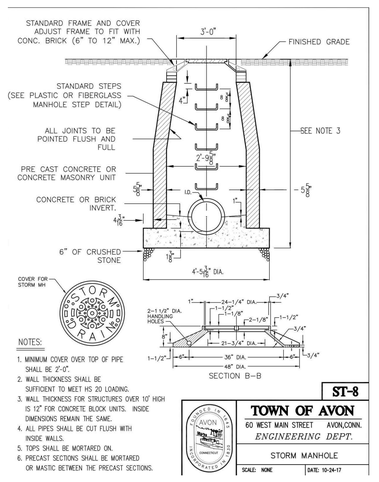
STORM MANHOLE
NOT TO SCALE



DIMENSIONS						
DIA.	A	B	C	D	E	F
12"	4"	2'-0"	6'-0 3/8"	6'-0 3/8"	2'-0"	1'-7 15/16"
15"	6"	2'-3"	3'-10"	6'-1"	2'-6"	2'-0 5/16"
18"	9"	2'-3"	3'-10"	6'-1"	3'-0"	2'-5"
24"	9 1/2"	3'-7 1/2"	2'-6"	6'-1 1/2"	4'-0"	2'-9 3/16"
30"	1'-0"	4'-6"	1'-7 3/4"	6'-1 3/4"	5'-0"	3'-1"
36"	1'-3"	5'-3"	2'-10 3/4"	8'-1 3/4"	6'-0"	3'-11 13/16"
42"	1'-9"	5'-3"	2'-11"	8'-2"	6'-6"	4'-5 7/8"
48"	2'-0"	6'-0"	2'-2"	8'-2"	7'-0"	4'-8 1/2"



CONCRETE CULVERT END
NOT TO SCALE



NOTES:

1. MINIMUM COVER OVER TOP OF PIPE SHALL BE 2'-0".
2. WALL THICKNESS SHALL BE SUFFICIENT TO MEET HS 20 LOADING.
3. WALL THICKNESS FOR STRUCTURES OVER 10' HIGH IS 12" FOR CONCRETE BLOCK UNITS. INSIDE DIMENSIONS REMAIN THE SAME.
4. ALL PIPES SHALL BE CUT FLUSH WITH INSIDE WALLS.
5. TOPS SHALL BE MORTARED ON.
6. PRECAST SECTIONS SHALL BE MORTARED OR MASTIC BETWEEN THE PRECAST SECTIONS.

ST-8

TOWN OF AVON
60 WEST MAIN STREET AVON,CONN.
ENGINEERING DEPT.
STORM MANHOLE
SCALE: NONE DATE: 10-24-17

NOTES

1. TOWN OF AVON APPROVED STORMWATER INFRASTRUCTURE SUCH AS CATCH BASINS, MANHOLES, PIPES, ETC., TO BE USED ON TOWN OF AVON PROPERTY.

TOWN OF AVON STORM MANHOLE
NOT TO SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
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SURVEY
HODGE, LLC
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PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

PROJECT NO: 2014 0986.S10
CAD FILE: 20140986S10_DET01_Phase 1.dwg
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CHECKED BY: REB
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SHEET TITLE

DRAINAGE DETAILS

CG-502

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MC-4500 CHAMBER

Designed to meet the most stringent industry performance standards for superior structural integrity while providing designers with a cost-effective method to save valuable land and protect water resources. The StormTech system is designed primarily to be used under parking lots, thus maximizing land usage for private (commercial) and public applications. StormTech chambers can also be used in conjunction with Green Infrastructure, thus enhancing the performance and extending the service life of these practices.

STORMTECH MC-4500 CHAMBER
(not to scale)

Nominal Chamber Specifications

Size (L x W x H)
52" x 100" x 60"
1,321 mm x 2,540 mm x 1,524 mm

Chamber Storage
106.5 ft³ (3.01 m³)

Min. Installed Storage*
162.6 ft³ (4.60 m³)

Weight
120 lbs (54.4 kg)

Shipping
7 chambers/pallet
11 pallets/truck

*Assumes a minimum of 12" (300 mm) of stone above, 9" (230 mm) of stone below chambers, 9" (230 mm) of stone between chambers/end caps and 40% stone porosity.

STORMTECH MC-4500 END CAP
(not to scale)

Nominal End Cap Specifications

Size (L x W x H)
35.1" x 90.2" x 59.4"
891 mm x 2,291 mm x 1,509 mm

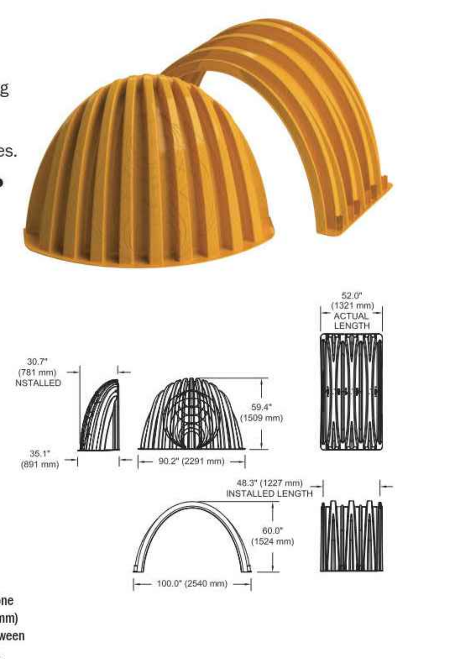
End Cap Storage
35.7 ft³ (1.01 m³)

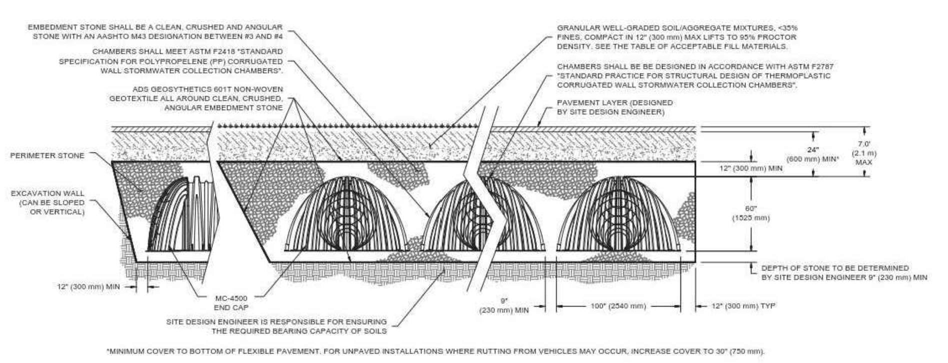
Min. Installed Storage*
108.7 ft³ (3.08 m³)

Weight
120 lbs (54.4 kg)

Shipping
7 end caps/pallet
11 pallets/truck

*Assumes a minimum of 12" (300 mm) of stone above, 9" (230 mm) of stone below, 6" (150 mm) of stone perimeter, 9" (230 mm) of stone between chambers/end caps and 40% stone porosity.





MC-4500 CHAMBER SPECIFICATIONS

STORAGE VOLUME PER CHAMBER FT³ (M³)

	Bare Chamber Storage ft³ (m³)	Chamber and Stone Foundation Depth in. (mm)			
		9" (230 mm)	12" (300 mm)	15" (375 mm)	18" (450 mm)
MC-4500 Chamber	106.5 (3.02)	162.6 (4.60)	166.3 (4.71)	169.6 (4.81)	173.6 (4.91)
MC-4500 End Cap	35.7 (1.0)	108.7 (3.08)	111.9 (3.17)	115.2 (3.26)	118.4 (3.35)

Note: Assumes 9" (230 mm) row spacing, 40% stone porosity, 12" (300 mm) stone above and includes the bare chamber/end cap volume. End cap volume assumes 12" (300 mm) stone perimeter.

AMOUNT OF STONE PER CHAMBER

ENGLISH TONS (yds³)	Stone Foundation Depth			
	9"	12"	15"	18"
MC-4500 Chamber	7.4 (5.2)	7.8 (5.5)	8.3 (5.9)	8.8 (6.2)
MC-4500 End Cap	9.6 (6.8)	10.0 (7.1)	10.4 (7.4)	10.9 (7.7)
METRIC KILOGRAMS (m³)	230 mm	300 mm	375 mm	450 mm
MC-4500 Chamber	6,681 (4.0)	7,117 (4.2)	7,552 (4.5)	7,987 (4.7)
MC-4500 End Cap	8,691 (5.2)	9,075 (5.4)	9,460 (5.6)	9,845 (5.9)

Note: Assumes 12" (300 mm) of stone above and 9" (230 mm) row spacing and 12" (300 mm) of perimeter stone in front of end caps.

VOLUME EXCAVATION PER CHAMBER YD³ (M³)

	Stone Foundation Depth			
	9" (230 mm)	12" (300 mm)	15" (375mm)	18" (450 mm)
MC-4500 Chamber	10.5 (8.0)	10.8 (8.3)	11.2 (8.5)	11.5 (8.8)
MC-4500 End Cap	9.3 (7.1)	9.6 (7.3)	9.9 (7.6)	10.2 (7.8)

Note: Assumes 9" (230 mm) of separation between chamber rows, 12" (300 mm) of perimeter in front of the end caps, and 24" (600 mm) of cover. The volume of excavation will varyas depth of cover increases.

Working on a project?
Visit us at www.stormtech.com
and utilize the StormTech Design Tool

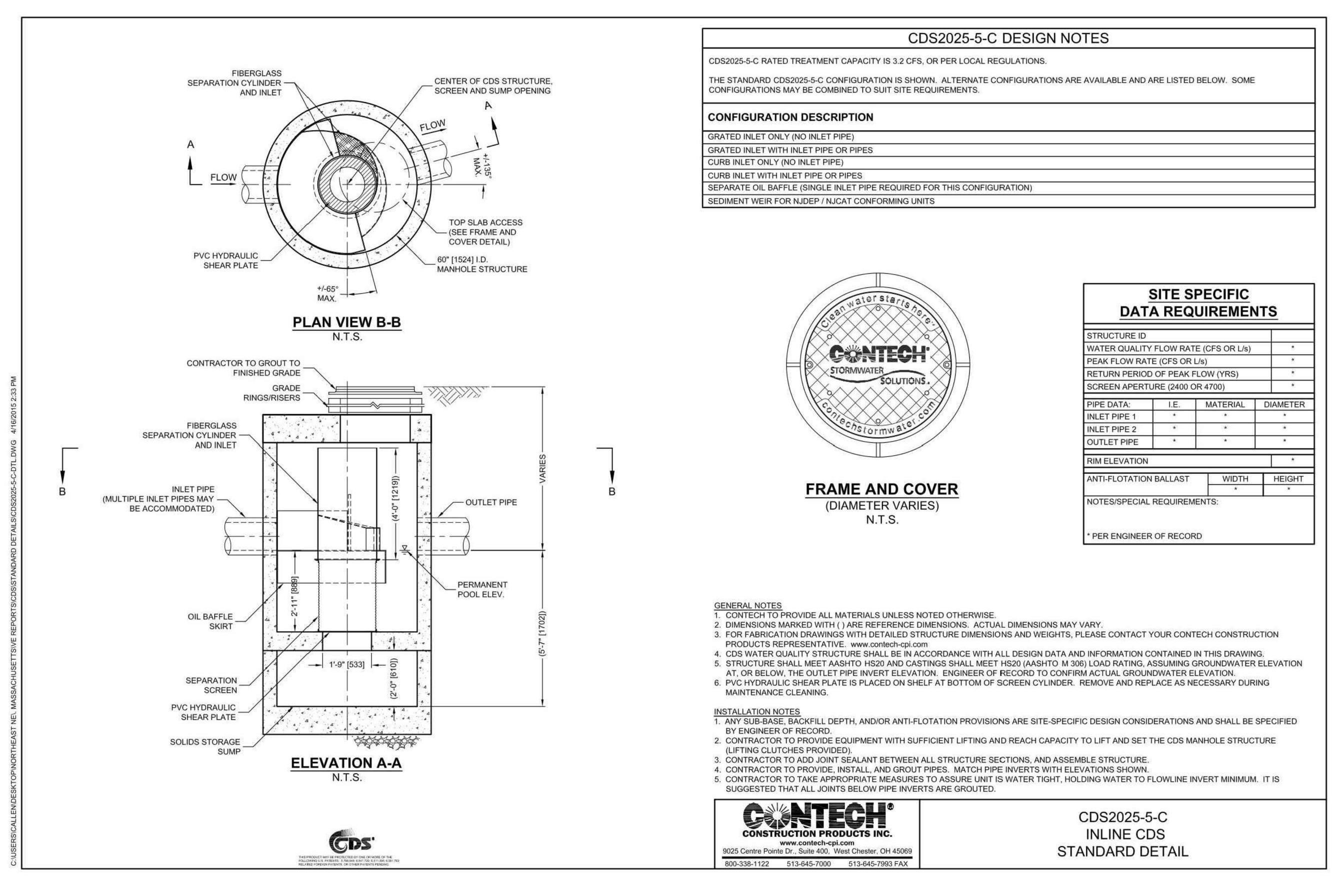
For more information on the StormTech MC-4500 Chamber and other ADS products, please contact our Customer Service Representatives at 1-800-821-6710

THE MOST ADVANCED NAME IN WATER MANAGEMENT SOLUTIONS™

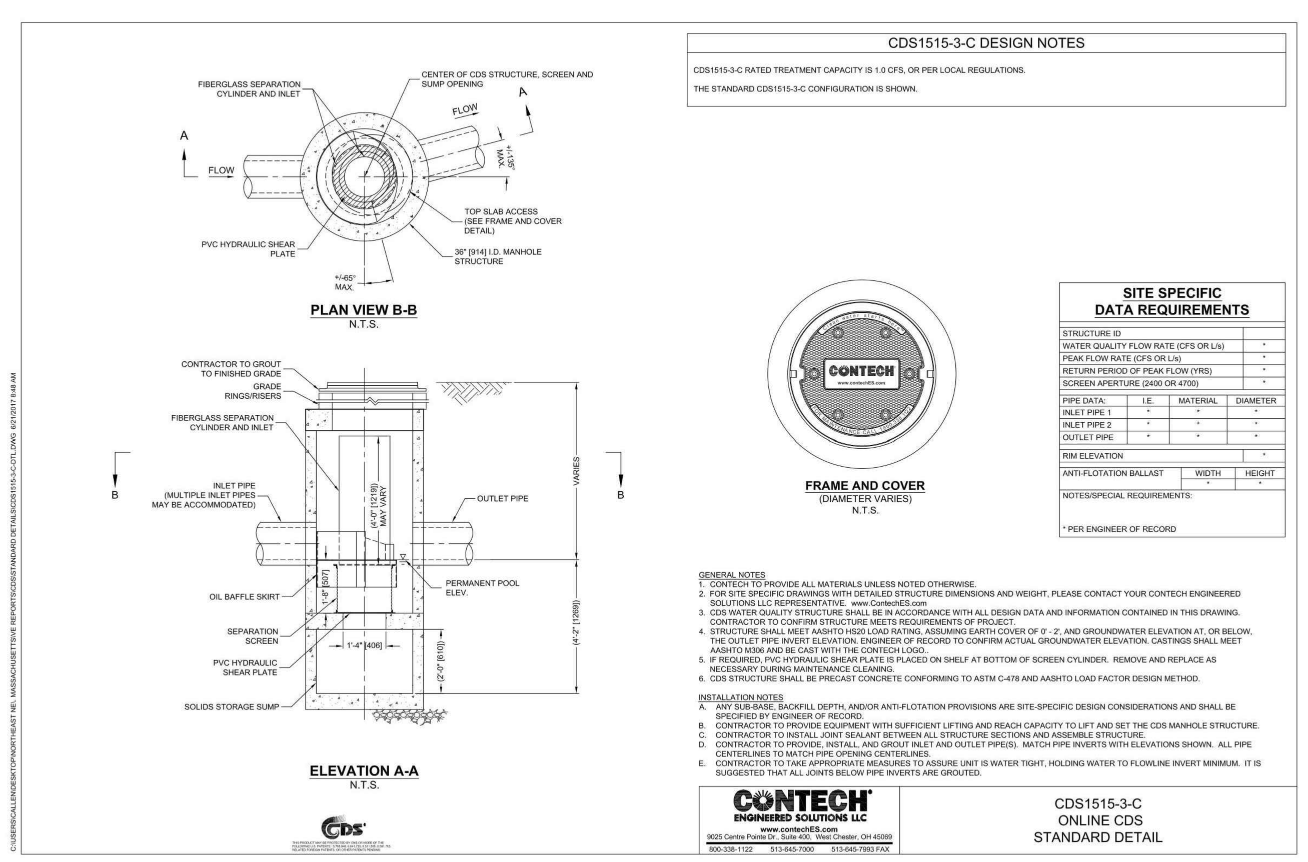
Advanced Drainage Systems, Inc.
4640 Trueman Blvd., Hilliard, OH 43026
1-800-821-6710 www.ads-pipe.com

ADS "Terms and Conditions of Sale" are available on the ADS website, www.ads-pipe.com
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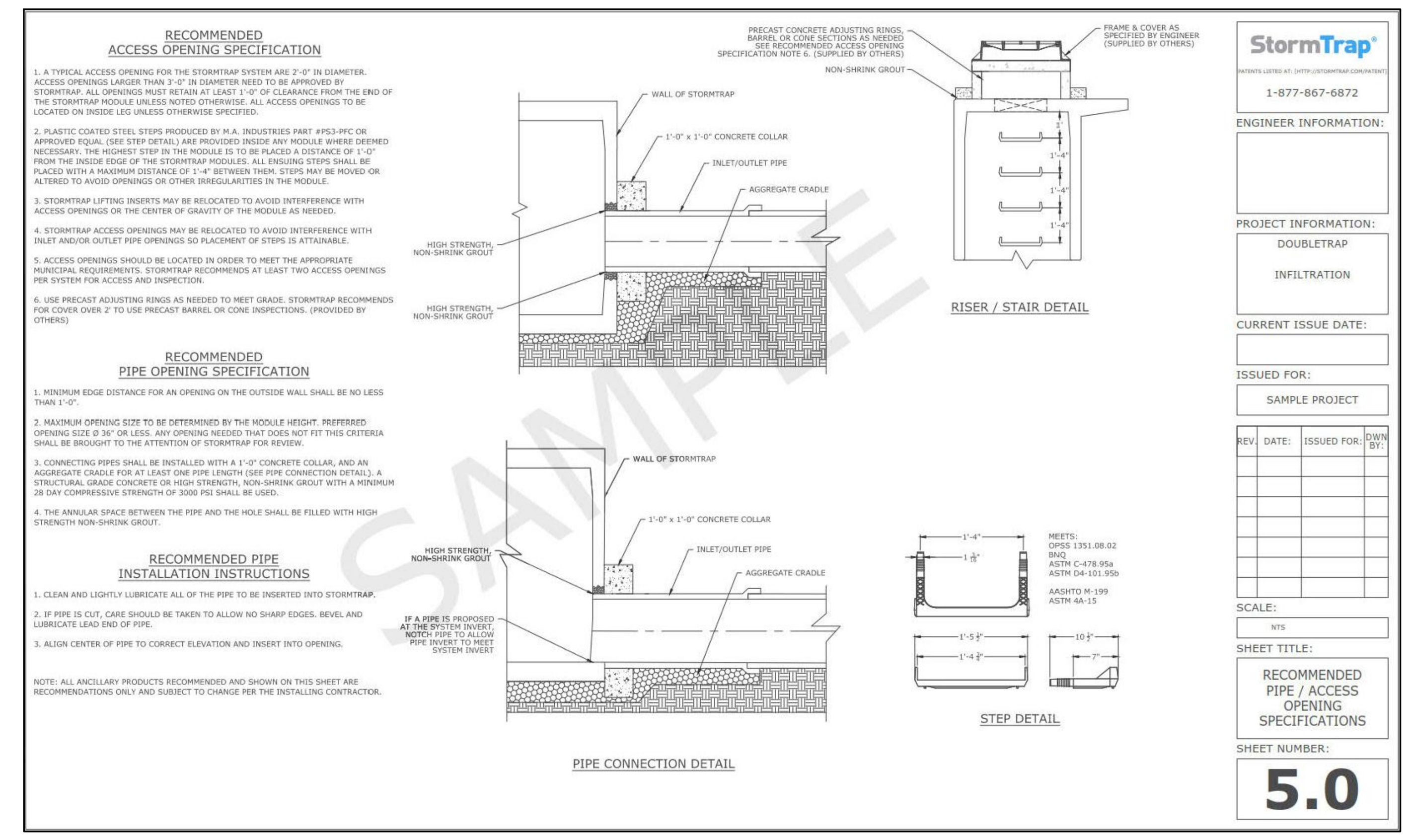
#133, 136, & 137 INFILTRATION SYSTEM
NOT TO SCALE

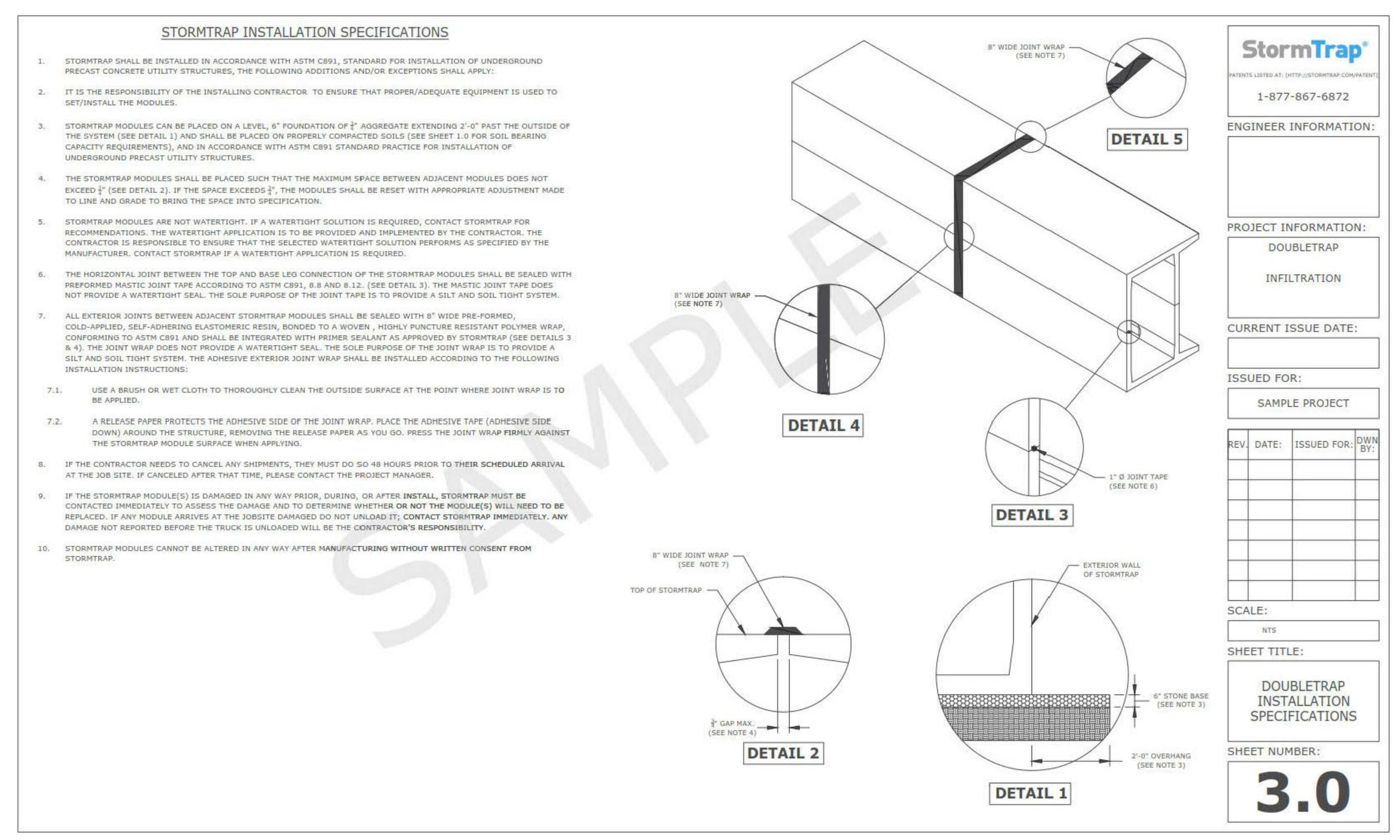


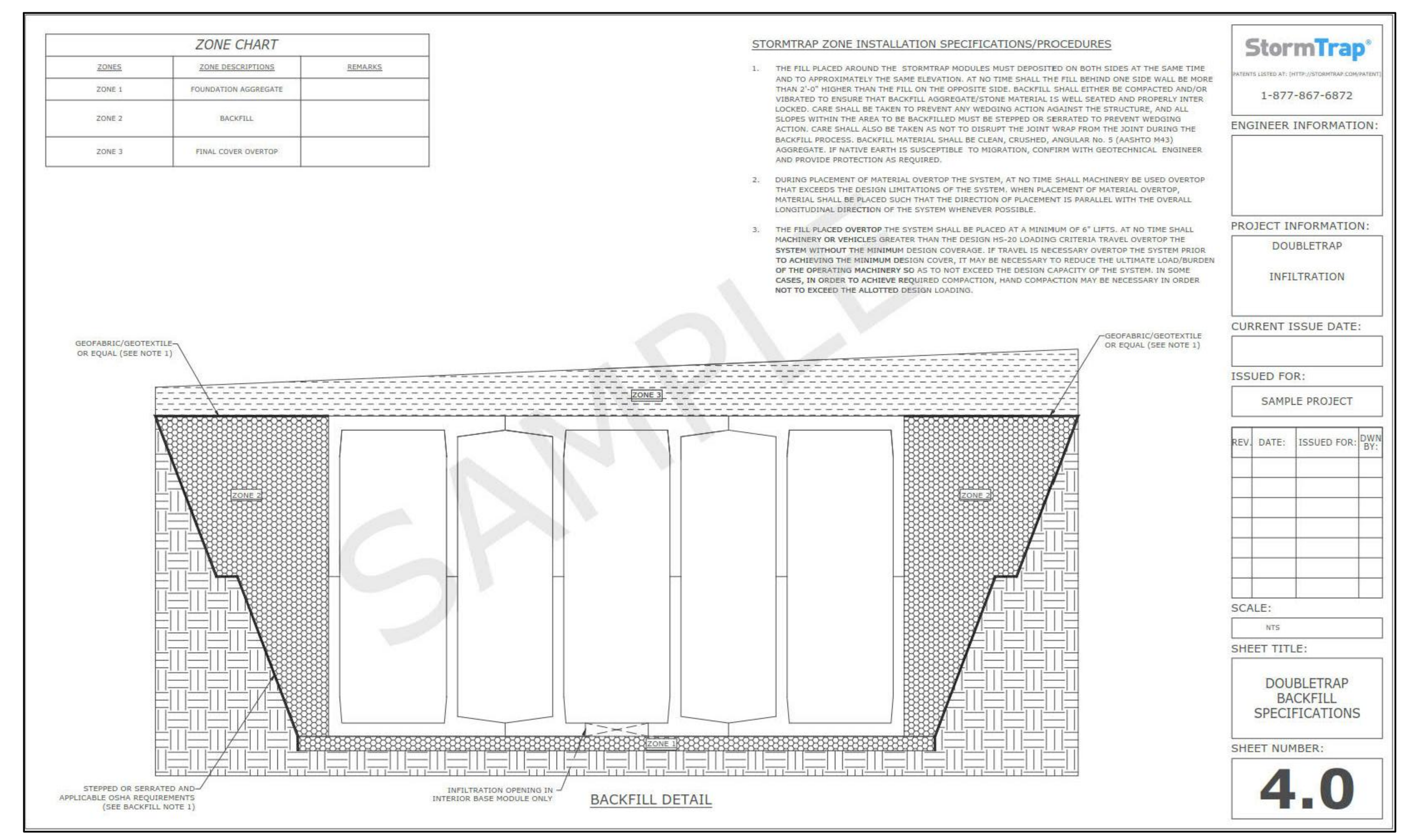
HYDRODYNAMIC SEPARATOR #256, 275 & 389
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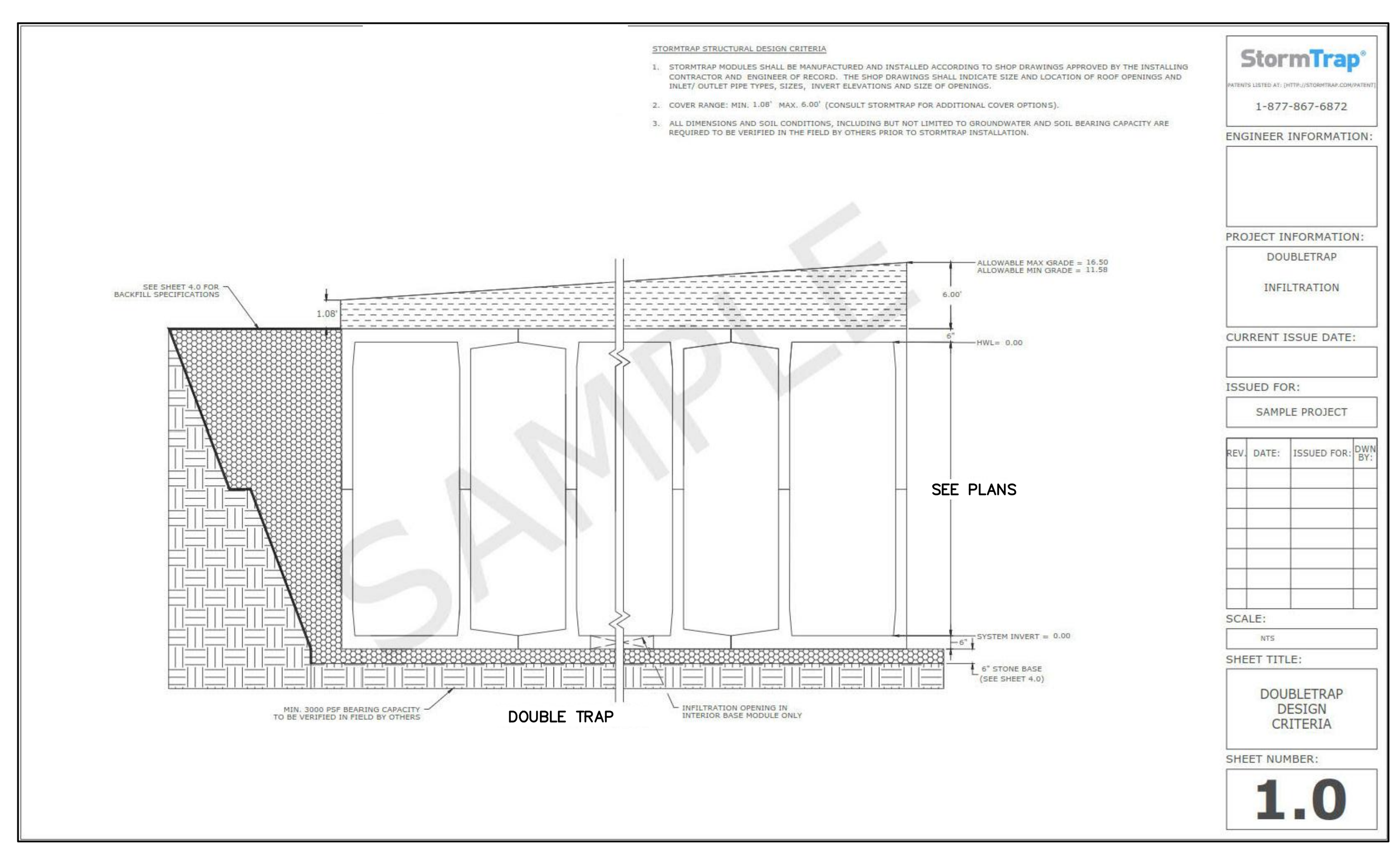


HYDRODYNAMIC SEPARATOR #164, 299, 341, 346, 352, 353, & 354
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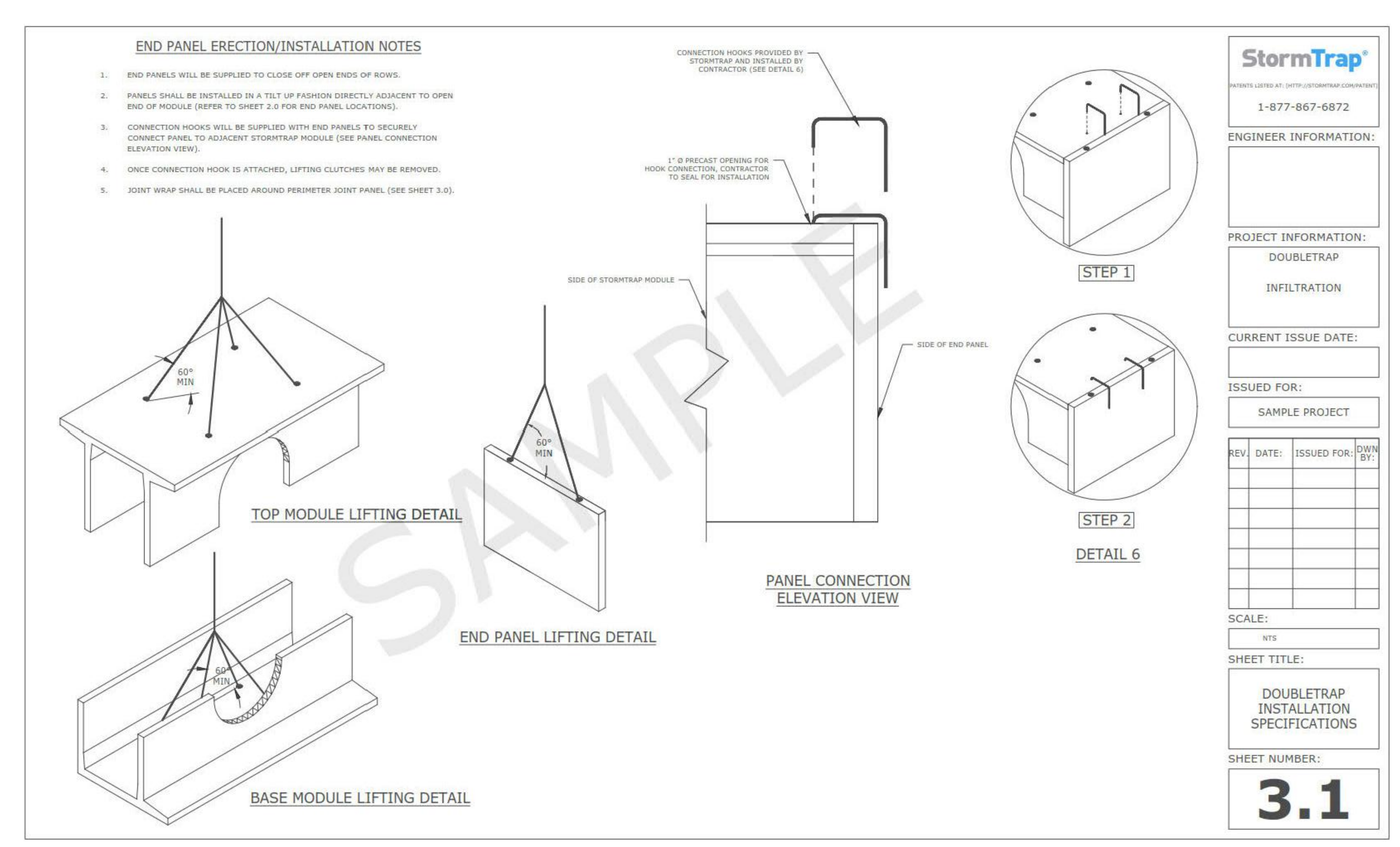








#134 INFILTRATION SYSTEM
NOT TO SCALE



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AVON VILLAGE CENTER
PHASE ONE
AVON, CONNECTICUT

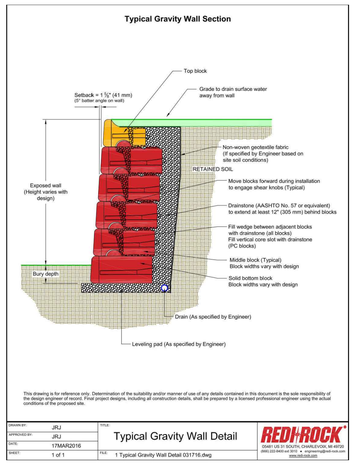
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SHEET TITLE
DRAINAGE DETAILS

CG-503

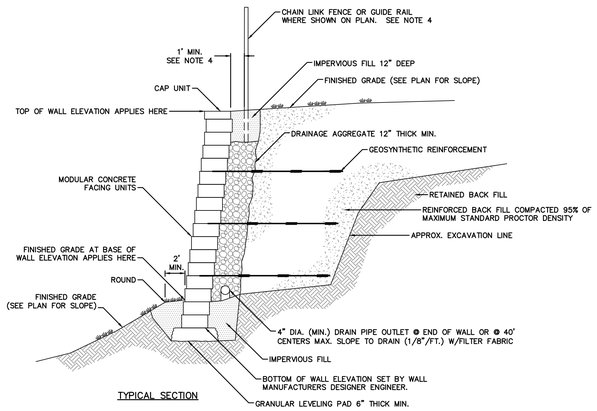


NOTES:

1. CONNECT DRAIN TO NEAREST STORMWATER MANAGEMENT SYSTEM.

TYPICAL GRAVITY WALL (BY OTHERS)

NOT TO SCALE



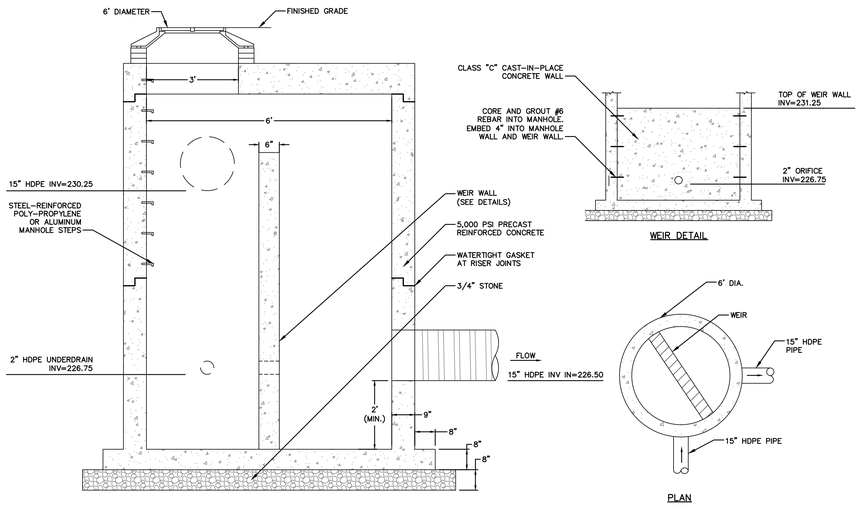
TYPICAL SECTION

NOTES

1. DETAILS AND NOTES HEREON ARE GENERIC AND ARE INTENDED TO GIVE A GENERAL DESCRIPTION OF THE WALL. THEY ARE NOT FOR CONSTRUCTION.
2. DETAILED WALL CONSTRUCTION PLANS, STAMPED BY A PROFESSIONAL ENGINEER LICENSED IN THE STATE OF CONNECTICUT, SHALL BE SUBMITTED TO AND APPROVED BY THE ENGINEER PRIOR TO CONSTRUCTION.
3. APPROVED WALL MANUFACTURERS INCLUDE VERSA-LOK, KEYSTONE, MESA OR EQUAL.
4. DEPTH OF GUIDE RAIL POST OR FENCE POST SHALL BE DETERMINED BY THE WALL DESIGNER WHEN IN PROXIMITY TO BACK OF WALL.

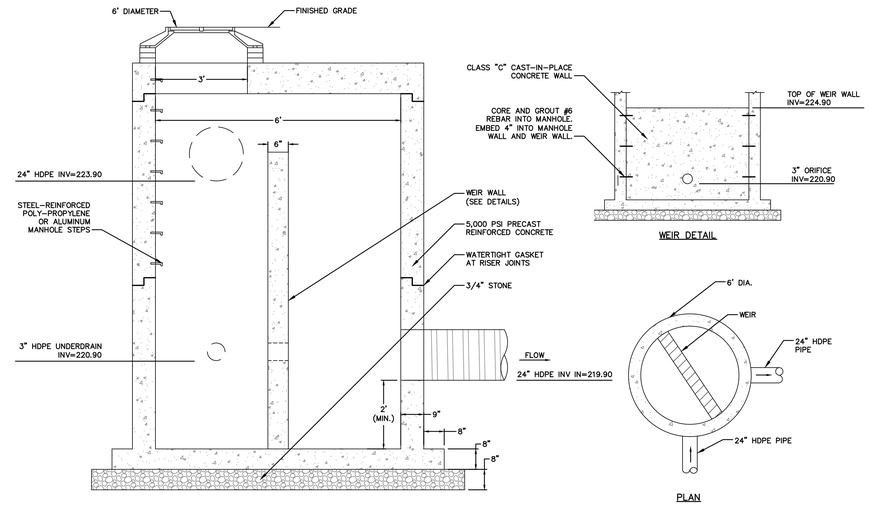
MODULAR CONCRETE BLOCK RETAINING WALL (BY OTHERS)

NOT TO SCALE



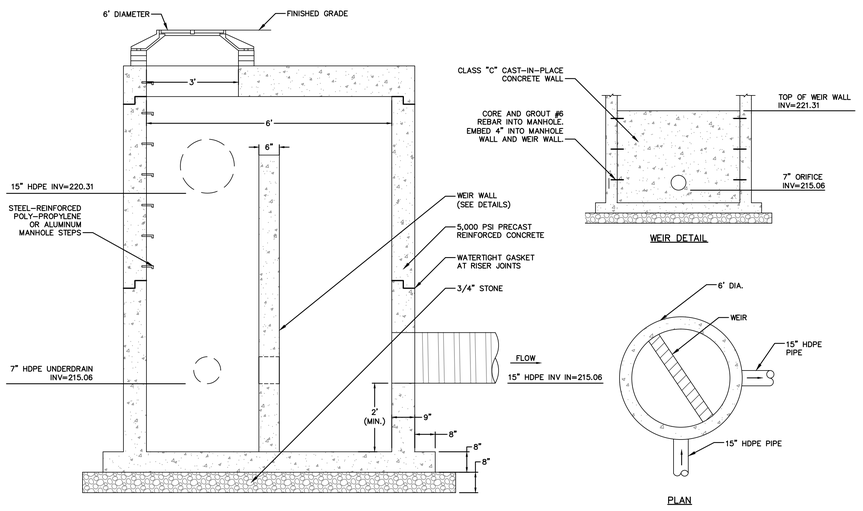
OUTLET CONTROL STRUCTURE STMH 328

NOT TO SCALE



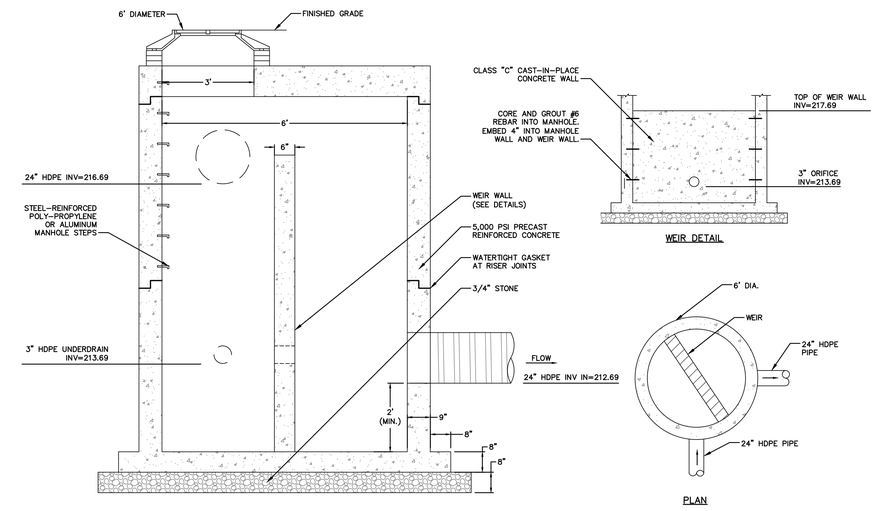
OUTLET CONTROL STRUCTURE STMH 337

NOT TO SCALE



OUTLET CONTROL STRUCTURE STMH 303

NOT TO SCALE



OUTLET CONTROL STRUCTURE STMH 340

NOT TO SCALE

OWNER/DEVELOPER
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PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

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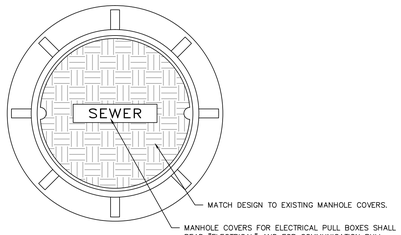
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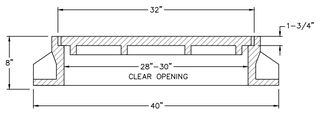
DRAINAGE DETAILS

CG-504

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PLAN



SECTION

STANDARD MANHOLE FRAME & COVER

SCALE: N.T.S.

SANITARY SEWER PIPE TRENCH NOTES

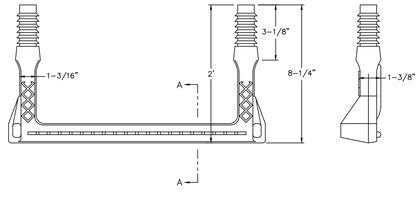
1. DEPTH OF SEWER SHALL BE AS SHOWN ON DRAWINGS.
2. SEWER TRENCHES MAY BE EXCAVATED WIDER THAN TRENCH WIDTH W ABOVE THE "LINE OF NARROW TRENCH LIMIT." AT THE CONTRACTORS EXPENSE.
3. BELOW THE "LINE OF NARROW TRENCH LIMIT" THE TRENCH SHALL NOT BE EXCAVATED BEYOND THE TRENCH WIDTH W.
4. IF EXCAVATION AND BACKFILL BELOW NORMAL DEPTH IS REQUIRED, SHEETING MAY BE ORDERED.
5. SHEETING, IF USED, IN ALL CASES SHALL BE LEFT IN PLACE BELOW A LINE 1'-0" ABOVE THE TOP OF THE SEWER PIPE, UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER.
6. ALL ROCK WITHIN 3'-0" HORIZONTALLY OF THE ENDS OF BUILDING CONNECTIONS, BRANCHES AND STUBS, AND DOWN TO A HORIZONTAL PLANE 6" BELOW THE BOTTOMS OF SUCH ITEMS SHALL BE REMOVED.
7. TRENCH WIDTHS AND PAYMENT LIMIT SHALL BE AS FOLLOWS:

NUMBER OF PIPE IN TRENCH	DIAMETER PIPE "D"	TRENCH WIDTH "W"	PAYMENT LIMIT
ONE	12" AND SMALLER	4'-0"	4'-0"
TWO	12" AND SMALLER	7'-0"	7'-0"

8. WHERE CONCRETE ENCASEMENT IS CALLED FOR BY THE PLANS, OR WHEN DIRECTED BY THE ENGINEER, REPLACE BEDDING AND BACKFILL BELOW THE "LINE OF NARROW TRENCH LIMIT" WITH CLASS "A" CONCRETE.
9. SEWER MARKING TAPE SHALL BE INSTALLED A MINIMUM OF 18" ABOVE THE SANITARY SEWER, FORCE MAIN AND SERVICE CONNECTION PIPE.
10. SANITARY SEWER PIPE AND SERVICE CONNECTION PIPE SHALL HAVE FILTER FABRIC INSTALLED ON TOP OF THE PIPE BEDDING AS SHOWN ON THE DETAILS.

SANITARY SEWER PIPE TRENCH NOTES

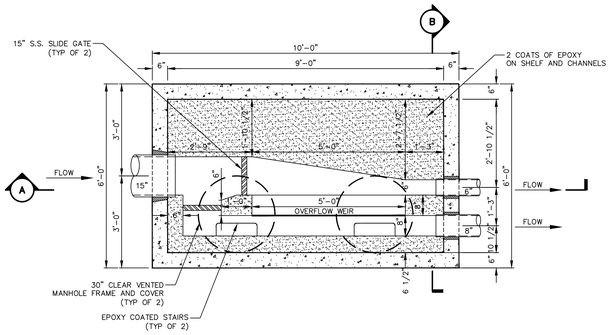
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SECTION A-A

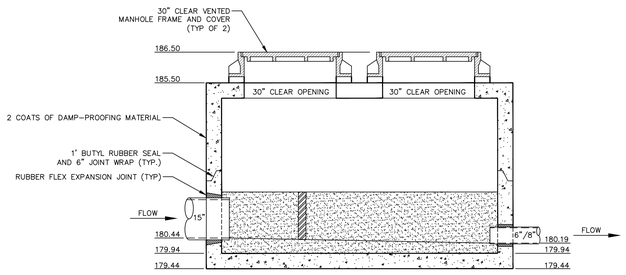
MANHOLE STEP DETAIL

SCALE: N.T.S.



SIPHON INLET STRUCTURE - PLAN VIEW

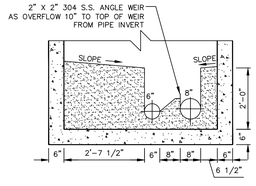
SCALE: 1/2"= 1'-0"



NOTE: PROVIDE WITH ANTIFLOATATION COLLAR

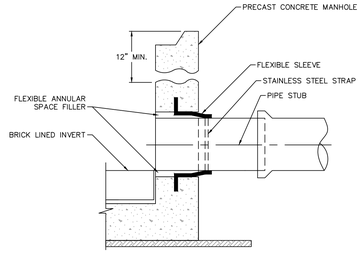
SECTION A-A

SCALE: 1/2"= 1'-0"



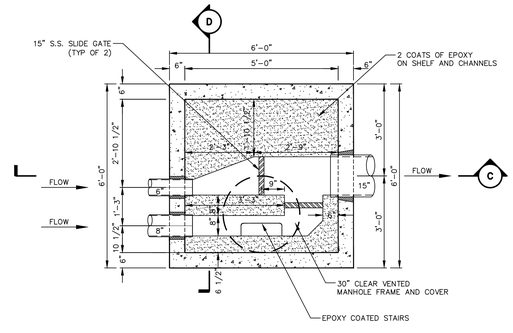
SECTION B-B

SCALE: 1/2"= 1'-0"



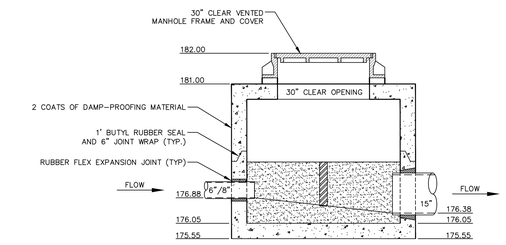
FLEXIBLE SLEEVE

SCALE: N.T.S.



SIPHON OUTLET STRUCTURE - PLAN VIEW

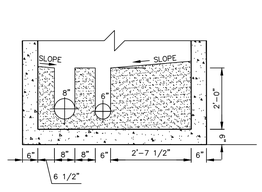
SCALE: 1/2"= 1'-0"



NOTE: PROVIDE WITH ANTIFLOATATION COLLAR

SECTION C-C

SCALE: 1/2"= 1'-0"



SECTION D-D

SCALE: 1/2"= 1'-0"

1500 GALLON HS-20 GREASE TRAP

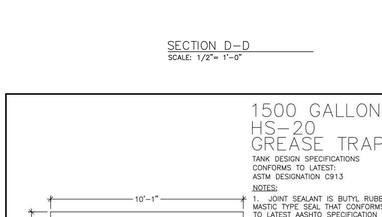
TANK DESIGN SPECIFICATIONS CONFORMS TO LATEST: ASTM DESIGNATION C913

NOTES:

1. JOINT SEALANT IS BUTYL RUBBER MASTIC TYPE SEAL THAT CONFORMS TO LATEST AASHTO SPECIFICATION M-198. MEETS FEDERAL SPECIFICATION SS-S-0021(210-A).
2. PIPE INLET AND OUTLET LOCATIONS HAVE POLYLOK II PIPE SEALS, TYPICAL. CUSTOM KNOCKOUTS CAN BE CAST ON REQUEST.
3. WHEN SPECIFIED THE TANK EXTERIOR IS COATED WITH BAY OIL, "EBONY" OR EQUAL.
4. REINFORCING STEEL DEFORMED BARS CONFORM TO LATEST ASTM SPECIFICATION A615.
5. CONCRETE COMPRESSIVE STRENGTH- 4000 PSI AT 28 DAYS.
6. METHOD OF MANUFACTURE: WET CAST.
7. BASE SECTION IS MONOLITHIC.
8. THE CHAMBER IS DESIGNED FOR HS-20 LOADING w/18" OF SOIL COVER.

WEIGHT CHART

PRODUCT	APPROX. WEIGHT
TANK	23800 LBS.



UNITED CONCRETE PRODUCTS INC.

173 CHURCH STREET TEL. 800 234-3119 FAX. (203) 265-4941
YALESVILLE, CT 06492 (203) 269-3119

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AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
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PHONE: 860-678-0669

ENGINEER
FUSS & O'NEILL, INC.
146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
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PHONE: 508-528-0770

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35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1783 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE

AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

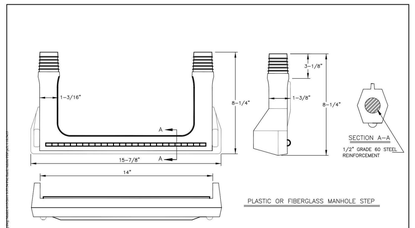
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SANITARY SEWER SIPHON DETAILS

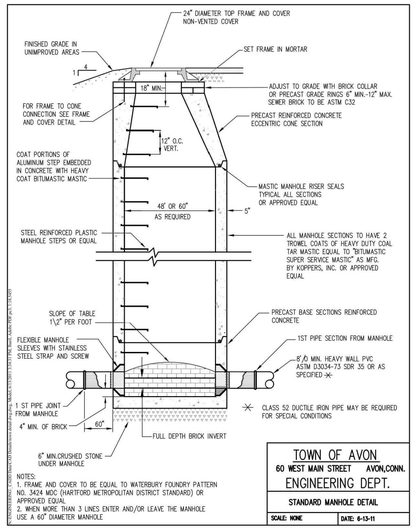
CU-501

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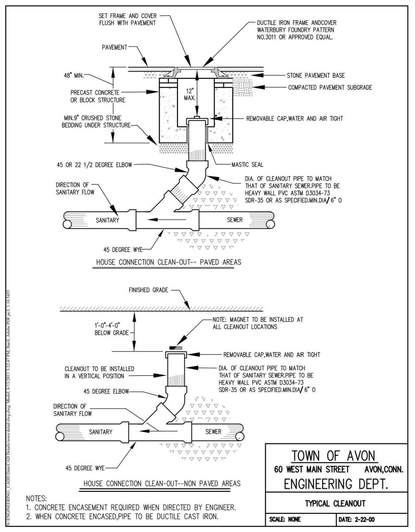
PLASTIC OR FIBERGLASS MANHOLE STEP

TOWN OF AVON
60 WEST MAIN STREET AVON,CONN.
ENGINEERING DEPT.
PLASTIC OR FIBERGLASS MANHOLE STEP
SCALE: NONE | DATE: 8-20-99



NOTES:
1. FRAME AND COVER TO BE EQUAL TO WATERBURY FOUNDRY PATTERN NO. 3424 MDC (HARTFORD METROPOLITAN DISTRICT STANDARD) OR APPROVED EQUAL.
2. WHEN MORE THAN 3 LINES ENTER AND/OR LEAVE THE MANHOLE USE A 60" DIAMETER MANHOLE

TOWN OF AVON
60 WEST MAIN STREET AVON,CONN.
ENGINEERING DEPT.
STANDARD MANHOLE DETAIL
SCALE: NONE | DATE: 6-13-11

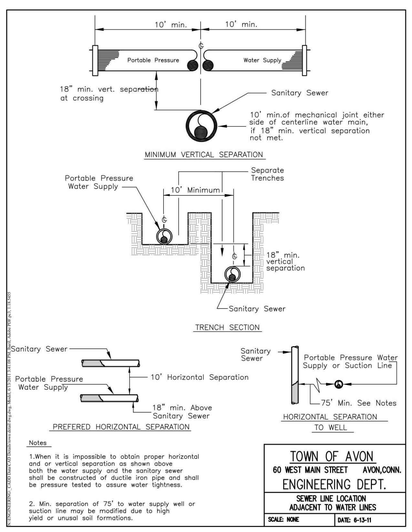


HOUSE CONNECTION CLEAN-OUT-- PAVED AREAS

HOUSE CONNECTION CLEAN-OUT--NON PAVED AREAS

NOTES:
1. CONCRETE ENCASEMENT REQUIRED WHEN DIRECTED BY ENGINEER.
2. WHEN CONCRETE ENCASED,PIPE TO BE DUCTILE CAST IRON.

TOWN OF AVON
60 WEST MAIN STREET AVON,CONN.
ENGINEERING DEPT.
TYPICAL CLEANOUT
SCALE: NONE | DATE: 2-22-00

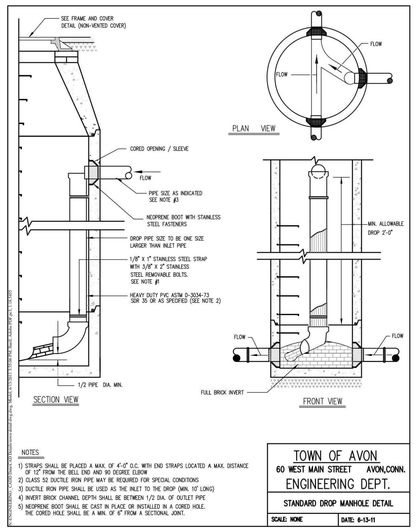


Notes

1.When it is impossible to obtain proper horizontal and or vertical separation as shown above both the water supply and the sanitary sewer shall be constructed of ductile iron pipe and shall be pressure tested to assure water tightness.

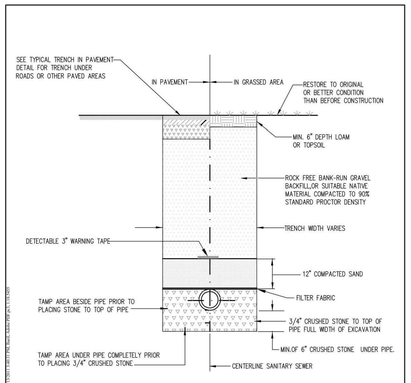
2. Min. separation of 75' to water supply well or suction line may be modified due to high yield or unusal soil formations.

TOWN OF AVON
60 WEST MAIN STREET AVON,CONN.
ENGINEERING DEPT.
SEWER LINE LOCATION ADJACENT TO WATER LINES
SCALE: NONE | DATE: 6-13-11



NOTES
1) STRAPS SHALL BE PLACED A MAX. OF 4'-0" O.C. WITH END STRAPS LOCATED A MAX. DISTANCE OF 12" FROM THE BELL END AND 90 DEGREE ELBOW.
2) CLASS 52 DUCTILE IRON PIPE MAY BE REQUIRED FOR SPECIAL CONDITIONS
3) DUCTILE IRON PIPE SHALL BE USED AS THE INLET TO THE DROP (MIN. 10' LONG)
4) INVERT BROCK CHANNEL DEPTH SHALL BE BETWEEN 1/2 DIA. OF OUTLET PIPE
5) NEOPRENE BOOT SHALL BE CAST IN PLACE OR INSTALLED IN A CORED HOLE. THE CORED HOLE SHALL BE A MIN. OF 6" FROM A SECTIONAL JOINT.

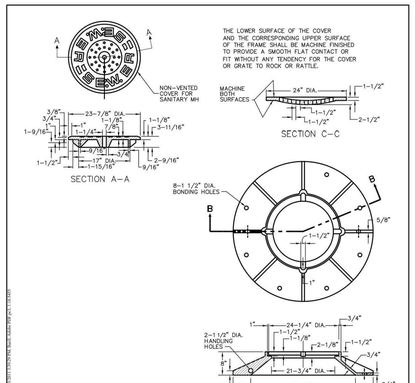
TOWN OF AVON
60 WEST MAIN STREET AVON,CONN.
ENGINEERING DEPT.
STANDARD DROP MANHOLE DETAIL
SCALE: NONE | DATE: 6-13-11



TYPICAL TRENCH & BEDDING DETAIL

NOTES:
1. WITHIN LIMITS OF CONN. STATE HIGHWAY, D.O.T. REQUIREMENTS SHALL GOVERN FOR PAVEMENT & BASE SPECIFICATIONS.
2. UNUSUAL SOIL CONDITIONS AND/OR DEEP TRENCH MAY REQUIRE CONCRETE ENCASEMENT OR EXTRA DEPTH OF CRUSHED STONE BEDDING
3. FILTER FABRIC IS REQUIRED ON ALL MAIN LINE SEWERS AND ALL LATERALS IN ROADWAY AS SHOWN.

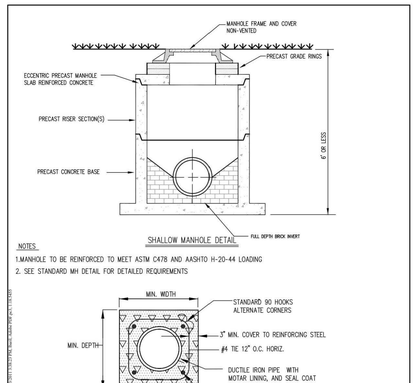
TOWN OF AVON
60 WEST MAIN STREET AVON,CONN.
ENGINEERING DEPT.
TYPICAL TRENCH & BEDDING DETAIL
SCALE: NONE | DATE: 12-15-10



SPECIFICATIONS:

1. Pattern shall be no. 1221/5012 WT cover type manufactured by The Campbell Foundry Co. or approved equal.
2. AASHTO HS20-44 highway loading.
3. Material shall be gray cast iron which meets or exceeds ASTM A48-83, class 30B.
4. All castings supplied with:
   -Machined bearing surfaces
   -Non-penetrating pick holes
   -1/4" flat neoprene gasket
   -1/2" diameter stainless steel cap screws

TOWN OF AVON
60 WEST MAIN STREET AVON,CONN.
ENGINEERING DEPT.
STANDARD WATERTIGHT MANHOLE FRAME & COVER
SCALE: N.T.S. | DATE: 6-13-11



NOTES.
1.MANHOLE TO BE REINFORCED TO MEET ASTM C478 AND AASHTO H-20-44 LOADING
2. SEE STANDARD MH DETAIL FOR DETAILED REQUIREMENTS

CONCRETE ENCASEMENT TABLE				
PIPE DIA.	6"	8"	12"	15"
WIDTH AND DEPTH	18"	20"	24"	30"

NOTES.
1) CONCRETE TO BE 2500 PSI
2) REINFORCEMENT TO BE DEFORMED BARS GRADE 40
3) WITHIN LIMITS OF ENCASEMENT PIPE TO BE DUCTILE IRON

TOWN OF AVON
60 WEST MAIN STREET AVON,CONN.
ENGINEERING DEPT.
SHALLOW MANHOLE CONSTRUCTION CONCRETE ENCASEMENT
SCALE: NONE | DATE: 10-25-07

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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PHONE: 860-678-0669

ENGINEER
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PHONE: 508-528-0770

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SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

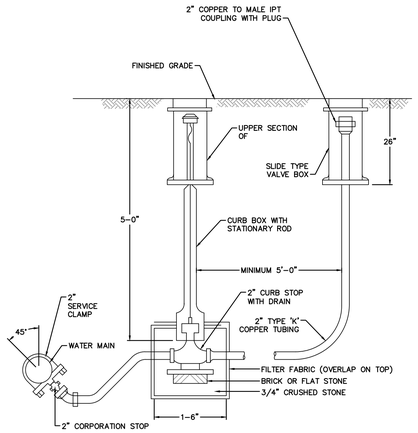
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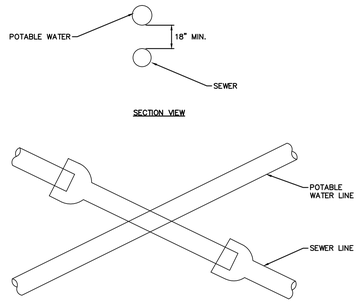
UTILITY DETAILS

CU-502

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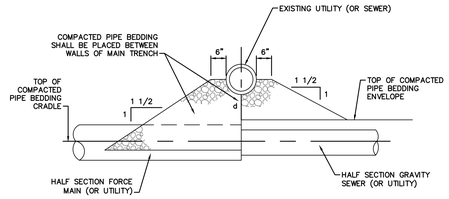
2" BLOWOFF
NOT TO SCALE



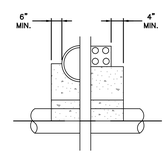
SEWER AND WATER CROSSING NOTES

1. SEWER JOINTS SHALL BE EQUIDISTANT FROM AND LOCATED AS FAR AS POSSIBLE AWAY FROM THE WATER LINE
2. IF THE VERTICAL SEPARATION BETWEEN THE BOTTOM OF THE WATER MAIN AND THE TOP OF THE SEWER IS LESS THAN 18 INCHES (WATER MAIN IS ABOVE SEWER), USE ONE OF THE FOLLOWING PROCEDURES: A) THE WATER MAIN SHALL BE RECONSTRUCTED FOR A DISTANCE OF 10 FEET ON EACH SIDE OF SEWER WITH RUBBER-GASKETED MECHANICAL JOINT PIPE ONE FULL LENGTH WATER MAIN SHOULD BE CENTERED OVER SEWER, B) CONSTRUCT BOTH THE WATER & SEWER PIPE OF RUBBER-GASKETED, CEMENT-LINED DUCTILE IRON PIPE OR EQUIVALENT AND PRESSURE TEST BOTH PIPES, OR C) ENCASE BOTH PIPES IN CONCRETE.

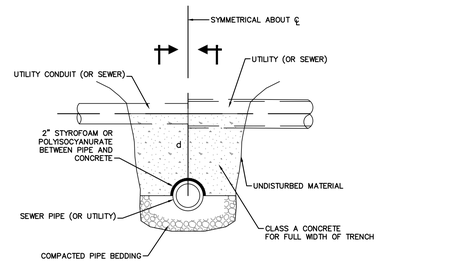
CROSSING OF SEWER & POTABLE WATER LINES
NOT TO SCALE



TYPE A (d > 12")



HALF SECTION

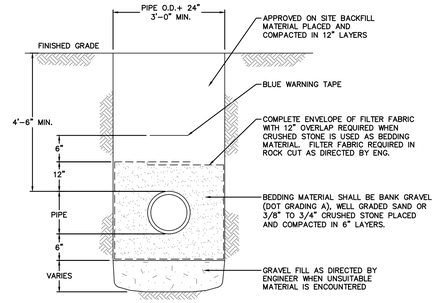


TYPE B (d < 12")

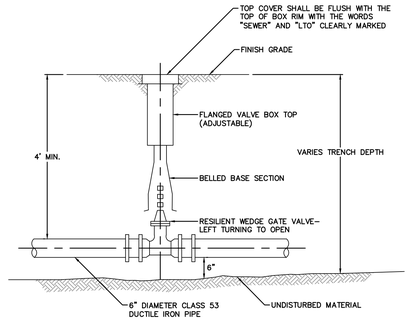
UTILITY SUPPORT NOTES

1. d=DISTANCE FROM TOP OF SEWER PIPE TO THE BOTTOM OF THE UTILITY PIPE
2. SUPPORTS TO BE LOCATED AS SHOWN ON THE DRAWINGS OR AS DIRECTED BY THE ENGINEER

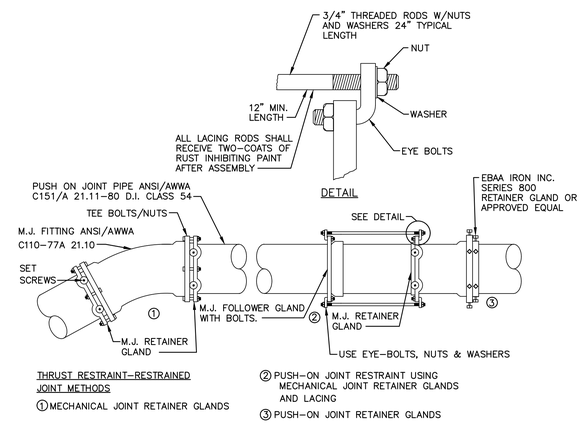
TYPICAL SUPPORT FOR UTILITIES
NOT TO SCALE



WATER TRENCH SECTION
NOT TO SCALE



ISOLATION GATE VALVE
NOT TO SCALE



THRUST RESTRAINT-RESTRAINED JOINT METHODS

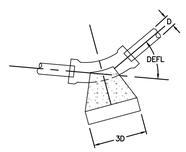
① MECHANICAL JOINT RETAINER GLANDS

② PUSH-ON JOINT RESTRAINT USING MECHANICAL JOINT RETAINER GLANDS AND LACING

③ PUSH-ON JOINT RETAINER GLANDS

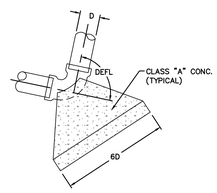
TYPICAL RESTRAINED JOINTS
NOT TO SCALE

PPE DIA. (INCHES)	MINIMUM THRUST BLOCK VOLUME (CUBIC YARDS)
4	0.2
6	0.25
8	0.3
10	0.35
12	0.4
16	0.7

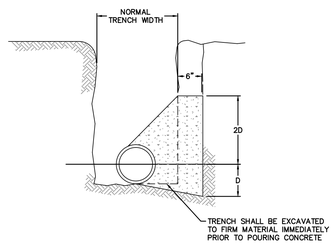


PLAN ELBOW – DEFL. LESS THAN 50

PPE DIA. (INCHES)	MINIMUM THRUST BLOCK VOLUME (CUBIC YARDS)
4	0.25
6	0.3
8	0.5
10	0.7
12	1.0
16	1.6



PLAN ELBOW – DEFL. MORE THAN 50



SECTION

CONCRETE THRUST BLOCKS
NOT TO SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

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PHASE ONE AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

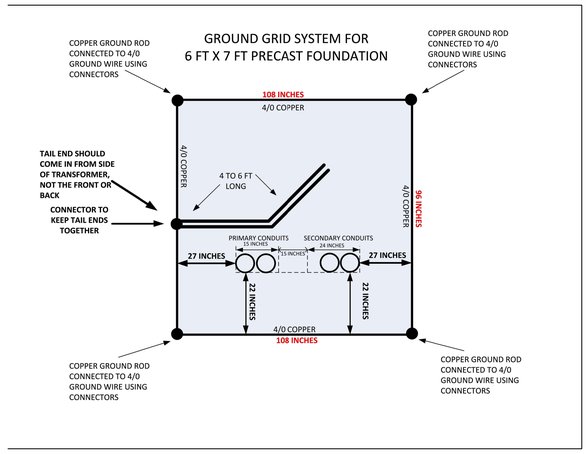
PROJECT NO: 2014.0986.S10
CAD FILE: 20140986S10_DET01_Phase 1.dwg
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SHEET TITLE

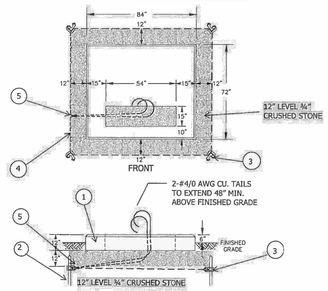
UTILITY DETAILS

CU-503

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23005 – Pad – 3 Phase Padmount Transformer – 75 To 750 KVA | Std: 23005 Pg 1 of 3



Size as Required * * Quantity as Required

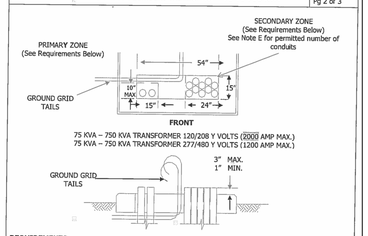
LIST OF MATERIALS

ITEM	QTY.	SYM. NO.	DESCRIPTION
1	1	40-32360	Precast Foundation 84"-X-72"-L per SPC-P04
2	4	43-87600	Rod Ground Galvanized Steel 5/8" x 8'
3	4	74-17800	Connector Ground 4/0 Wire – 5/8" Galv.Rod
4	60'	96-85000	Wire #4/0, 19 Strand Bare Copper
5	1	58-40600	Connector "Copper Bugs" 4/0 Solid & Stranded

Distribution Standard Construction/Design

	Original	Revised	Revised	Revised
Designed By		HL	RV	
Approved By			MZ	
Date		4/29/10	3/12/14	

23005 – Pad – 3 Phase Padmount Transformer – 75 To 750 KVA | Std: 23005 Pg 2 of 3



REQUIREMENTS **SECTION A-A**

PRIMARY ZONE
- A. The primary zone is restricted to the area shown above and will contain two 4" G.S. Conduits.
- B. The conduit sweeps into the foundation shall be galvanized steel, 90 deg. bend and 36" radius.
- C. The conduits shall extend a minimum of 1" to a maximum of 3" above the top of the foundation and shall have threaded ends.
- D. Each conduit shall be provided with a grounding type chafe bushing (UI ss #32-14600) and shall be plugged until the primary cables are installed.

SECONDARY ZONE
- E. The secondary zone is restricted to the area shown above and may contain a maximum of ten 4" galvanized steel or minimum schedule 40 PVC conduits.
- F. Each conduit sweep into the foundation shall have a 90 deg. bend and 36" radius.
- G. The conduits shall extend a minimum of 1" to a maximum of 3" above the top of the foundation; metal conduits shall have threaded ends.
- H. Metal conduits shall be provided with grounding type chafe bushings (UI ss #32-14600) and each conduit shall be plugged until the secondary cables are installed.

Distribution Standard Construction/Design

	Original	Revised	Revised	Revised
Designed By		HL	RV	
Approved By			MZ	
Date		4/29/10	3/12/14	

23005 – Pad – 3 Phase Padmount Transformer – 75 To 750 KVA | Std: 23005 Pg 3 of 3

NOTES:

A. TRANSFORMER FOUNDATION
(For construction details refer to SPC-P04)

1. The foundation shall be installed, with the top surface approximately 6" above final grade, on a 12" firm, level base of compacted ¾" crushed stone. The crushed stone shall extend 12 inches beyond the perimeter of the structure. The compacted crushed stone shall be installed on a level, compacted sub-grade with a minimum soil bearing capacity of 1,000 pounds per square foot.

The transformer pad will accommodate up through a 1000 kVA transformer. If a change out of the 750 kVA transformer is required; 1500 and 2000 kVA transformers will not fit on this pad.

The location and orientation of the foundation must be approved by U.I. prior to the start of construction. See UI Standards DCS-20501 for location and installation requirements.

B. CABLE CONDUITS
Primary and secondary cable conduits must be located within their designated areas (See Page 2).

Where practical, the secondary conduits should be held to the front of the secondary zone.

The restrictions on the number of conduits allowed in the secondary zone are based upon physical limitations.

C. GROUNDING AND BONDING
The system shall be effectively grounded.

Four galvanized steel ground rods and a 4/0 bare Copper ground grid shall be installed and connected as shown on Page 1.

The ground grid "tails" shall be brought, below grade, into the foundation window as shown (See Page 1).

Each ground grid "tail" shall be of sufficient length to connect to the transformer tank ground pads. This requires a minimum of 4 feet of wire per "tail" above finished grade.

The ground rods, ground grid, primary neutrals, secondary neutrals, transformer tank and metal conduits shall all be bonded together.

The minimum conductor size for bonding metal conduits is #2 AWG bare copper.

Grounding bushings shall be used for bonding all metal conduits. (UI ss #32-14600)

Ground rod/ UI approved ground grid connectors must be tightened until the bolt head shears in order for the connection to be effective.

Exothermic welded ground connections are acceptable.

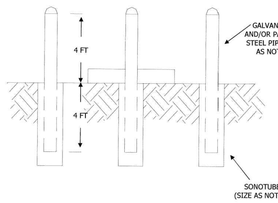
The ground grid and associated connections require U.I. inspection prior to backfilling the area.

For grounding in Bedrock, See DCS-19821 "Grounding in Bedrock Three Phase Transformers"

Distribution Standard Construction/Design

	Original	Revised	Revised	Revised
Designed By		HL	RV	
Approved By			MZ	
Date		4/29/10	3/12/14	

20503 Padmount Equipment Barriers | Std: 20503 Pg 1 of 6



NOTES:

A. Protective barriers are required when padmounted equipment is located in an area exposed to vehicular traffic, snow removal equipment, etc.

B. Where barriers are required, they shall be installed by the customer before the padmounted equipment is set in place.

C. Barriers shall be installed on the sides exposed to vehicular traffic.

D. Barriers shall not interfere with the opening of equipment doors or the operation of equipment.

Distribution Standard Construction/Design

	Original	Revised	Revised	Revised
Designed By				
Approved By				
Date				

20503 Padmount Equipment Barriers | Std: 20503 Pg 2 of 6

NOTES: CONT.

E. Barriers shall be sized according to the padmount equipment location. Each barrier shall be set in concrete 4 ft. in the ground extending approximately 4 ft. above grade.

MINIMUM SIZE BARRIER	SONOTUBE	LOCATION
4"	10"	Residential areas (Condos, Etc.) Light traffic
6"	12"	Commercial areas (Offices, Small Businesses)
8" or larger	14" or larger	Heavy traffic (Trucks, etc.) Loading areas

F. Each barrier shall be filled with concrete and have a water shedding cap.

G. Barriers shall be painted with a high visibility paint, e.g. yellow or orange in color.

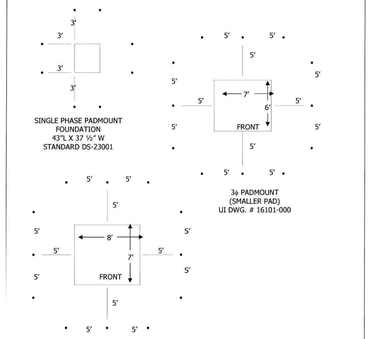
H. Barriers shall be spaced 3' to 5' apart. See Sheets 3-6 for barrier orientation for specific foundations.

I. Typically, the exposure of padmounted equipment to traffic is limited to one or two sides and barriers will not be installed completely around the perimeter (as shown on Sheets 3-6). The actual number and size of barriers required shall be specified by System Solutions Process Group.

Distribution Standard Design Standards

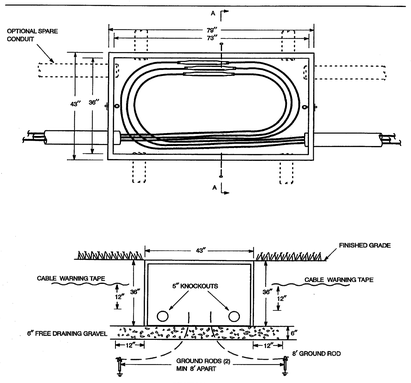
	Original	Revised	Revised	Revised
Designed By				
Approved By				
Date				

20503 Padmount Equipment Barriers | Std: 20503 Pg 3 of 6



Distribution Standard Construction/Design

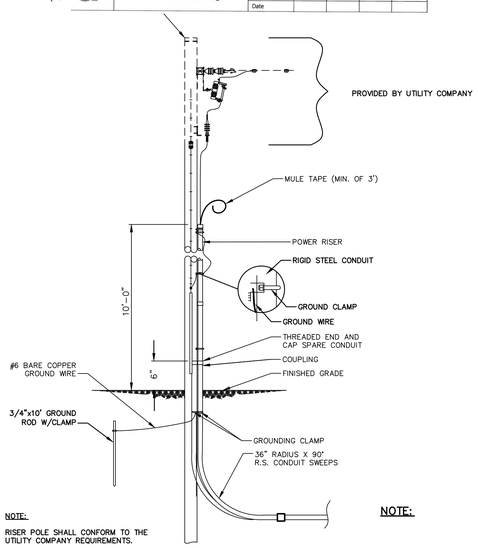
	Original	Revised	Revised	Revised
Designed By				
Approved By				
Date				



SECTION A-A

Notes
1. Install polymer concrete vault. Vault is rated for occasional vehicular traffic, however, do not install in roadway applications. Vault shall be used to splice one three-phase cable, maximum #4/0 Al.
2. The excavation shall be carried to a minimum depth of 6" below the bottom and 12" beyond the edge.
3. Install two 8' galvanized steel ground rods adjacent to the vault and ground per DTR 78.151. Provide #6 Cu bond for communications companies.
4. Select splices from DTR 33.501–502.
5. Install warning tape 12" above top of conduit.
6. Install schedule 40 PVC conduit, minimum 4" diameter. Install conduit plugs in spare conduits.

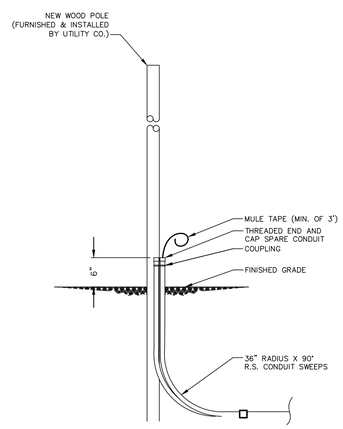
ORIGINAL 8/2006	VAULT – POLYMER CONCRETE – FOR SPLICING THREE-PHASE PRIMARY – DIRECT-BURIED CONDUIT SYSTEM	
APPROVED		
ISSUE		
NORTHEAST UTILITIES	CONSTRUCTION STANDARD	DTR 51.601



NOTE:

RISER POLE SHALL CONFORM TO THE UTILITY COMPANY REQUIREMENTS.

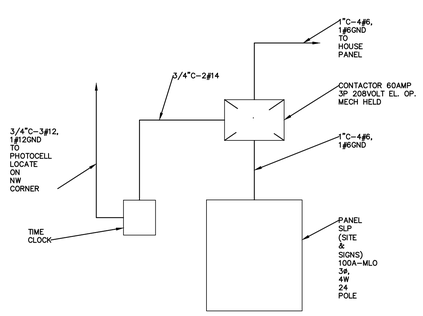
POWER RISER POLE
NOT TO SCALE



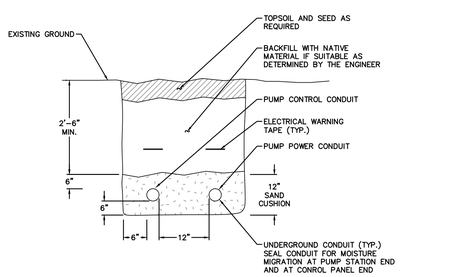
NOTE:

RISER POLE SHALL CONFORM TO THE UTILITY COMPANY REQUIREMENTS.

TELEPHONE RISER POLE
NOT TO SCALE



SITE LIGHTING POWER ONE LINE
NOT TO SCALE



UNDERGROUND CONDUIT TRENCH NOTES

1. INSTALL ELECTRICAL MARKING TAPE ABOVE THE ELECTRIC CONDUIT AND BURIED ELECTRIC WIRING.

UNDERGROUND CONDUIT TRENCH DETAIL
NOT TO SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
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PHONE: 401-273-6800

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ENGINEER
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PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

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	05/16/18	PERMITTING SET

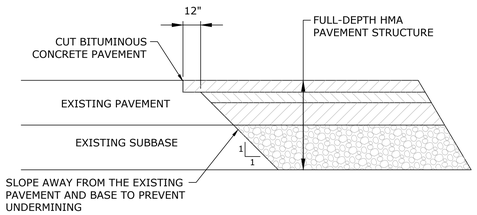
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UTILITY DETAILS

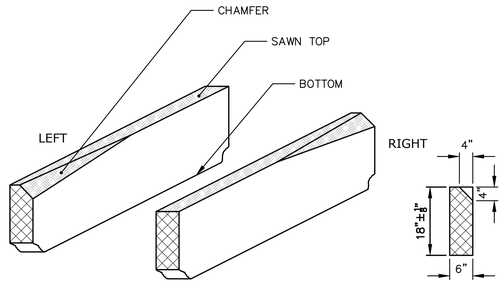
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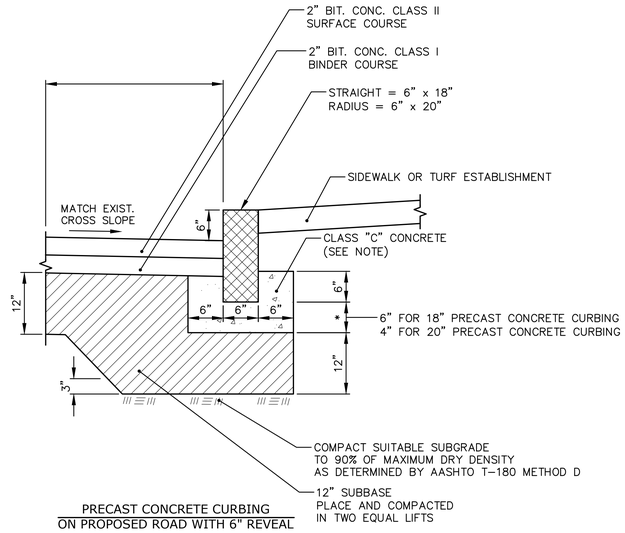
PAVEMENT TRANSITION DETAIL FOR PLACEMENT AT EXISTING PAVEMENT

N.T.S.

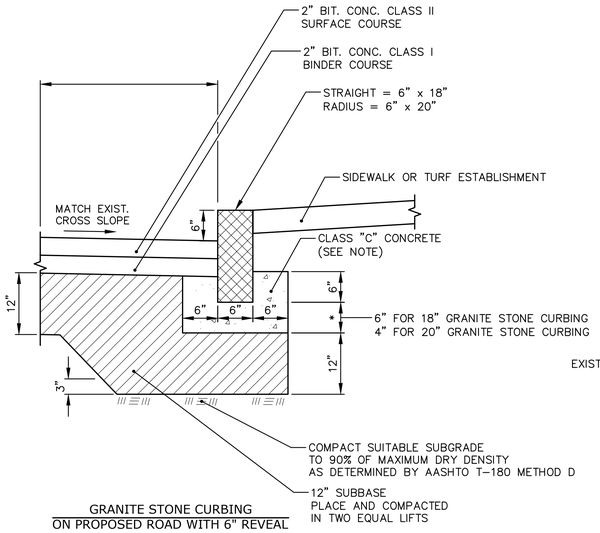


4" GRANITE SLOPED CURBING TO 6" VERTICAL GRANITE STONE CURBING TRANSITION

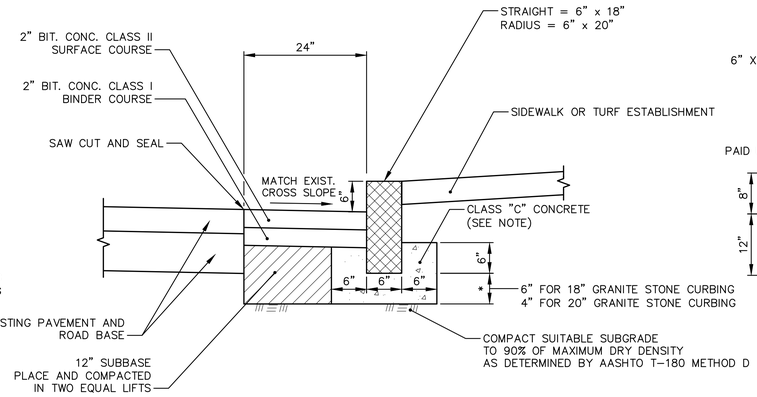
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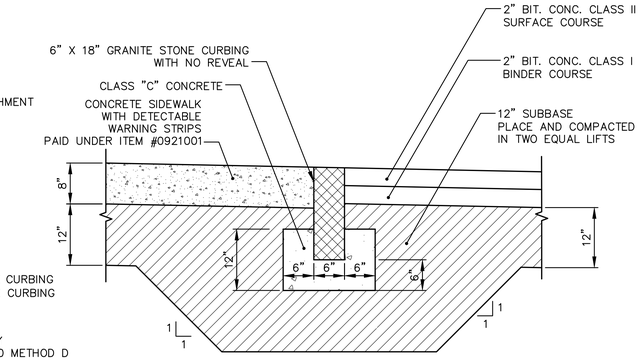
PRECAST CONCRETE CURBING
ON PROPOSED ROAD WITH 6" REVEAL



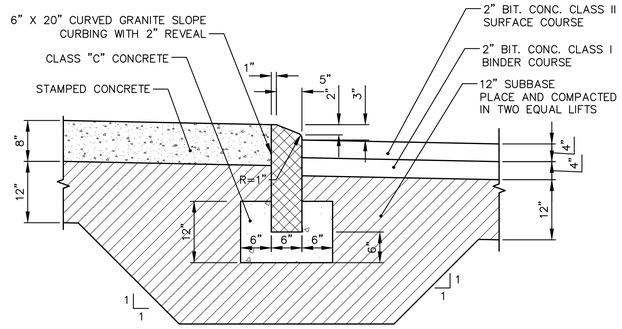
GRANITE STONE CURBING
ON PROPOSED ROAD WITH 6" REVEAL



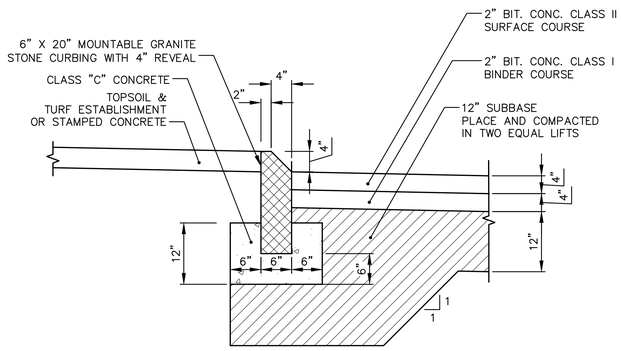
NEW GRANITE STONE CURBING
ON EXISTING ROAD WITH 6" REVEAL



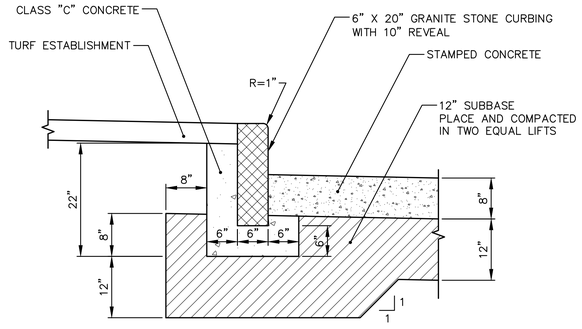
GRANITE STONE CURBING
ACROSS CROSSWALKS AT SPLITTER ISLANDS



GRANITE SLOPE CURBING
WITH 2" REVEAL FOR TRUCK APRON



GRANITE SLOPE CURBING
WITH 4" REVEAL FOR SPLITTER ISLAND



TRUCK APRON GRANITE STONE CURBING
WITH 10" REVEAL

GRANITE STONE CURBING		
SEGMENT	WIDTH	DEPTH
STRAIGHT	6 IN	18 IN
CURVED	6 IN	20 IN

NOTES:

1. FOR STRAIGHT CURBING, PLACE CONCRETE ONLY AT JOINTS, REMAINDER PROCESSED STONE.
2. RADIUS (CURVED) CURBING APPLIES TO RADII OF 100' OR LESS.
3. FOR RADIUS CURBING (<OR =100' R), PLACE CONCRETE CONTINUOUSLY.

OWNER/DEVELOPER
AVON TOWN CENTER LLC
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35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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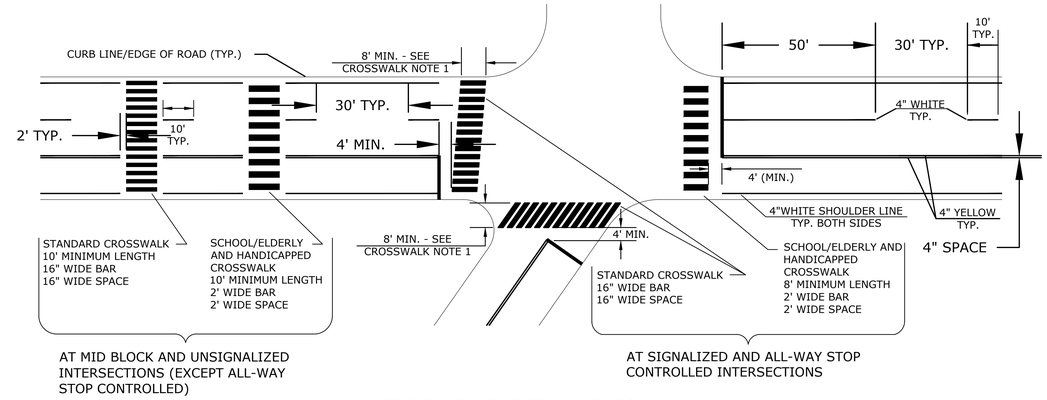
ROADWAY DETAILS

CR-501

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STOP BAR NOTES:
1) STOP BARS TO BE 12" MINIMUM UNLESS NOTED ON PLANS.
2) STOP BARS TO BE MARKED A MINIMUM OF 4' IN ADVANCE OF NEAREST EDGE OF CROSSWALK.
3) IN ABSENCE OF MARKED CROSSWALK, THE STOP BAR SHALL BE PLACED AT THE DESIRED STOPPING POINT.
4) THE STOP BAR SHALL ORDINARILY BE PLACED IN LINE WITH THE STOP SIGN. IF THE STOP SIGN CANNOT BE LOCATED EXACTLY WHERE THE VEHICLES ARE EXPECTED TO STOP, THEN THE STOP BAR SHOULD BE PLACED AT THE STOPPING POINT.
5) STOP BARS AND CENTERLINE (WHEN SIDE STREET WIDTHS ARE 16' OR MORE) ARE TO BE MARKED ON SIDE STREETS WITHIN THE LIMITS OF CONSTRUCTION, UNLESS OTHERWISE INDICATED OR DIRECTED.

CROSSWALK NOTES:
1) AT LOCATIONS WHERE THE CROSSWALK IS SKEWED, BARS ARE TO BE PARALLEL TO THE CENTERLINE AND ENDS OF BARS ARE TO BE PARALLEL.
2) BARS SHALL NORMALLY BE NO CLOSER THAN 2' FROM CURB LINE/EDGE OF ROAD. WHERE EXCESS SPACE MAY DEVELOPE, THIS DISTANCE MAY DECREASE TO 1'.
3) ONLY FULL LENGTH BARS ARE TO BE INSTALLED AT CORNERS.
4) 16" WIDE BARS ARE TO BE CENTERED ON YELLOW CENTERLINE, FOR 2' WIDE BARS, CENTER SPACE BETWEEN BARS ON YELLOW CENTERLINE.

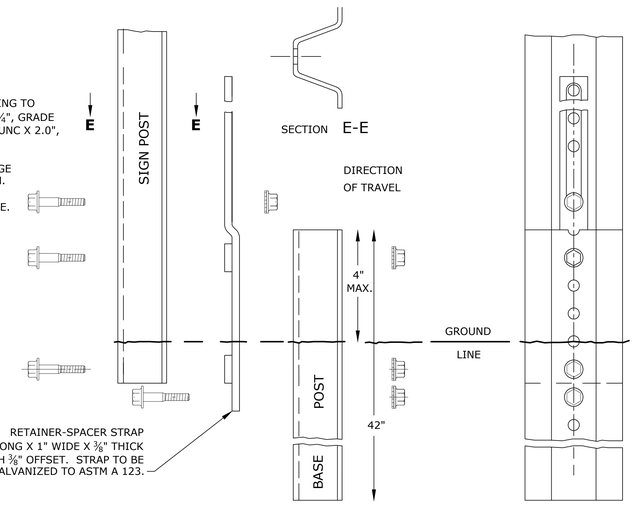


TYPICAL PAVEMENT MARKINGS
NOT TO SCALE

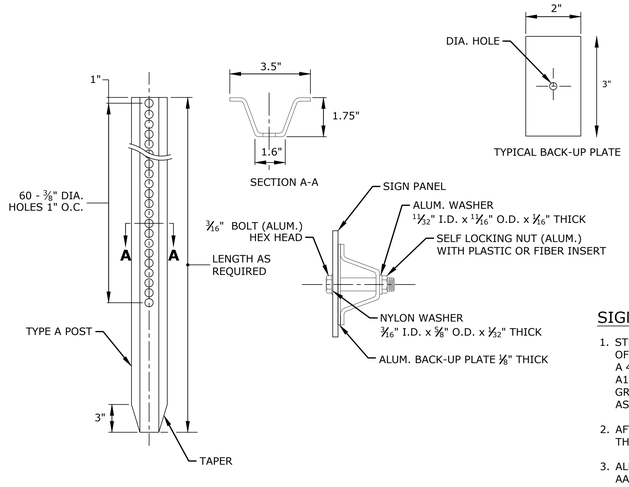
BOLTS - HEX HEAD,INTEGRAL FLANGE CONFORMING TO ASTM A354. SIZE IS 5/16" - 18 UNC X 1 3/4", GRADE BC FOR 3.00 LBS./FT. POSTS & 5/16" -18 UNC X 2.0", GRADE BD FOR 4.00 LB./FT. POSTS.

NUTS - 5/16" -18 UNC HEX HEAD, INTEGRAL FLANGE CONFORMING TO ASTM A563, GRADE DH.

LOCKWASHERS - 3/8" HEAVY DUTY EXTERNAL TYPE.



BREAKAWAY TYPE I INSTALLATION



TYPICAL SIGN PANEL ATTACHMENT

SIGN POSTS
NOT TO SCALE

SIGN POST NOTES:

1. STEEL FOR POSTS SHALL CONFORM TO THE MECHANICAL REQUIREMENTS OF ASTM A 499-81 GRADE 60 AND TO THE CHEMICAL REQUIREMENTS OF ASTM A1-76 CARBON STEEL TEE RAIL HAVING NOMINAL WEIGHT OF 91 LBS. OR GREATER PER LINEAR YARD. STEEL FOR DELINEATOR POSTS SHALL BE ASTM A36 STEEL.
2. AFTER FABRICATION, ALL STEEL POSTS SHALL BE GALVANIZED TO MEET THE REQUIREMENTS OF ASTM A 123.
3. ALL SIGN POSTS SHALL HAVE "BREAKAWAY" FEATURES THAT MEET AASHTO REQUIREMENTS CONTAINED IN "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS-1985." THE "BREAKAWAY" FEATURES SHALL BE STRUCTURALLY ADEQUATE TO CARRY THE SIGNS SHOWN IN THE PLANS AT 60 MPH WIND LOADINGS. INSTALLATIONS SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
4. TYPE A POSTS - 3 LB/FT

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

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ENGINEER
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RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

AVON VILLAGE CENTER
PHASE ONE
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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SHEET TITLE
ROADWAY DETAILS

CR-502

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*R1-2



COLOR:
BACKGROUND - WHITE (SILVER)
LEGEND - RED

AREA (SQ. FT)	SIZE (INCHES)	CONN D.O.T. #	POSTS	ALUM. THK.
3.90	36	31-0523	1	.080

R6-4



COLOR:
BACKGROUND - WHITE (SILVER)
LEGEND - BLACK

AREA (SQ. FT)	SIZE (INCHES)	CONN D.O.T. #	POSTS	ALUM. THK.
5.00	30x24	31-1138	1	.080

TRAFFIC REGULATORY SIGNS
N.T.S

W2-6



COLOR:
BACKGROUND - YELLOW
LEGEND - BLACK

AREA (SQ. FT)	SIZE (INCHES)	CONN D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4672	1	.080

W11-2



COLOR:
BACKGROUND - YELLOW
LEGEND - BLACK

AREA (SQ. FT)	SIZE (INCHES)	CONN D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-4810	1	.080

W16-7PL



(SUBPLATE)
USE WITH W11-2
PEDESTRIAN SIGNS AT CROSSWALK

COLOR:
BACKGROUND - YELLOW
LEGEND - BLACK

AREA (SQ. FT)	SIZE (INCHES)	CONN D.O.T. #	POSTS	ALUM. THK.
2.00	24x12	41-2607	-	.080

W16-7PR



(SUBPLATE)
USE WITH W11-2
PEDESTRIAN SIGNS AT CROSSWALK

COLOR:
BACKGROUND - YELLOW
LEGEND - BLACK

AREA (SQ. FT)	SIZE (INCHES)	CONN D.O.T. #	POSTS	ALUM. THK.
2.00	24x12	41-2609	-	.080

TRAFFIC WARNING SIGNS
N.T.S

W3-2



COLOR:
BACKGROUND - YELLOW
LEGEND - ARROW -BLACK
TRIANGLE - RED & WHITE

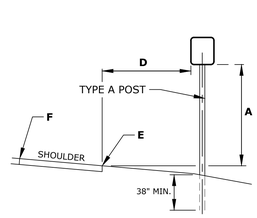
AREA (SQ. FT)	SIZE (INCHES)	CONN D.O.T. #	POSTS	ALUM. THK.
6.25	30	41-0504	1	.080

TRAFFIC WARNING AND REGULATORY SIGN NOTES:

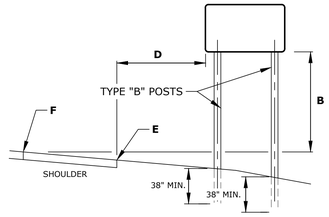
1. POSTS - SEE DETAIL "METAL SIGN POST DETAIL" THIS SHEET AND CONN D.O.T STANDARD SHEET TR-1208_02 - "METAL SIGN POSTS AND SIGN MOUNTING DETAILS.
2. POSTS - TYPE A (EXCEPT WHERE NOTED WITH A "B" FOR TYPE B)
3. ALL TRAFFIC SIGN POSTS ARE FOR LONG TERM INSTALLATION.
4. SIGNS TO BE PAID FOR UNDER " SIGN FACE - SHEET ALUMINUM - BRIGHT WIDE ANGLE RETRO- REFLECTIVE SHEETING" ITEM IN THE CONTRACT.
5. SIGNS SHALL BE FABRICATED OF ONE CONTINUOUS PIECE OF SHEET ALUMINUM
6. MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS. SPLICING OF SHEET ALUMINUM WILL NOT BE ACCEPTED.
7. BACKGROUND SHEETING SHALL BE TYPE IV RETROREFLECTIVE SHEETING, EXCEPT NOTED BY *.

MATERIALS:
SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3).
ALL COLORS TO BE TYPE IV RETROREFLECTIVE WITH THE EXCEPTION OF BLACK WHICH SHALL BE OPAQUE

* SIGNS TO BE "BRIGHT WIDE ANGLE RETORREFLECTIVE SHEETING"



TYPICAL REGULATORY & WARNING SIGN PLACEMENT



TYPICAL DESTINATION SIGN PLACEMENT

REGULATORY & WARNING SIGN PLACEMENT DIMENSIONS				
DIM "A"	DIM "B"	DIM "C"	DIM "D"	ASSEMBLY LOCATION
7'	7'	7'	5'	RURAL DISTRICTS & EXPRESSWAYS
7'	7'	7'	1'	BUSINESS & RESIDENTIAL DISTRICTS WHERE PARKING OR OTHER OBSTRUCTIONS LIMIT VISIBILITY
8'-6"	8'-6"	8'-6"	1'	SIDEWALKS ⚠

⚠ - A CLEAR PATH OF NOT LESS THAN 3 FT SHALL BE PROVIDED IN SIDEWALK AREAS FOR HANDICAP ACCESS.

* OR AS DIRECTED BY THE ENGINEER

"E" DENOTES EDGE OF SHOULDER OR FACE OF CURB

"F" DENOTES EDGE OF TRAVELWAY

TYPICAL REGULATORY & WARNING SIGN PLACEMENT
N.T.S.

ERECTION NOTE: FOR MAXIMUM EFFECTIVENESS AND TO ELIMINATE OR MINIMIZE SPECULAR GLARE, POSITION SIDE MOUNTED SIGNS AS FOLLOWS:

A. ON A TANGENT SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 93° WITH THE TRAFFIC LANE WHICH THE SIGN SERVES:

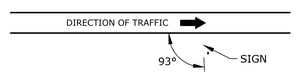


DIAGRAM "A"

B. ON A HORIZONTAL CURVE SECTION, POSITION THE SIGN SO THE VERTICAL AXIS IS PLUMB AND THE HORIZONTAL AXIS IS AT AN ANGLE OF 90° WITH A STRAIGHT LINE BETWEEN THE SIGN AND THE POINT AT WHICH THE SIGN SHALL BE READ.

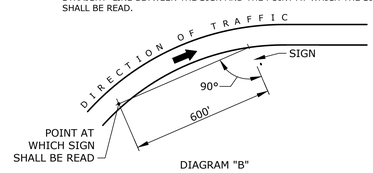
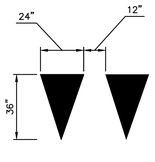
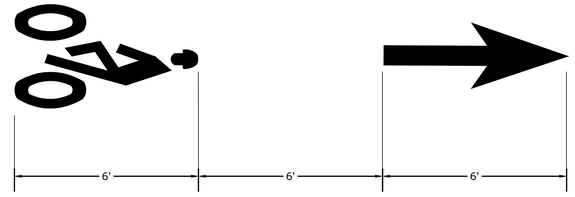


DIAGRAM "B"

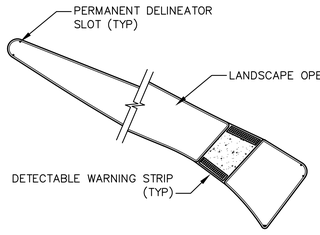
SIGN ORIENTATION DETAILS
NOT TO SCALE



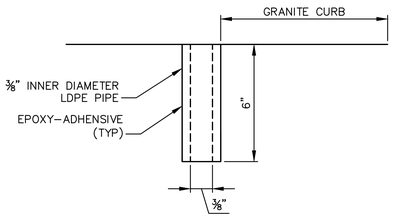
YIELD LINE DETAIL
N.T.S



BIKE LANE MARKING
N.T.S



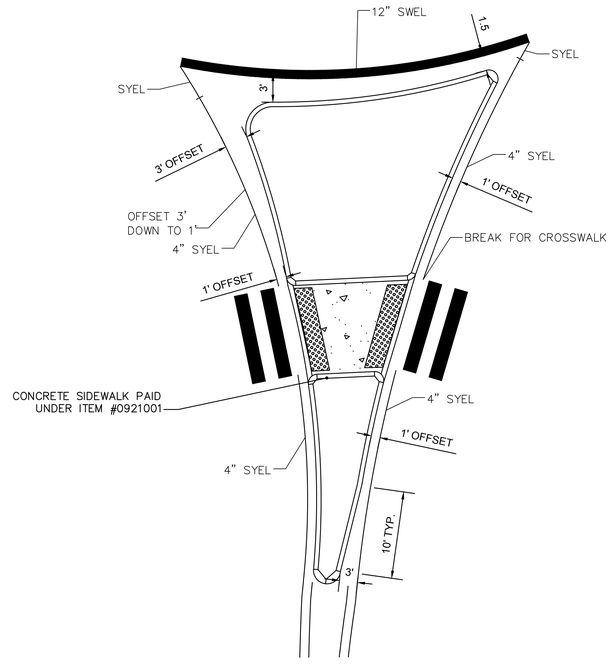
GRANITE CURB LAYOUT



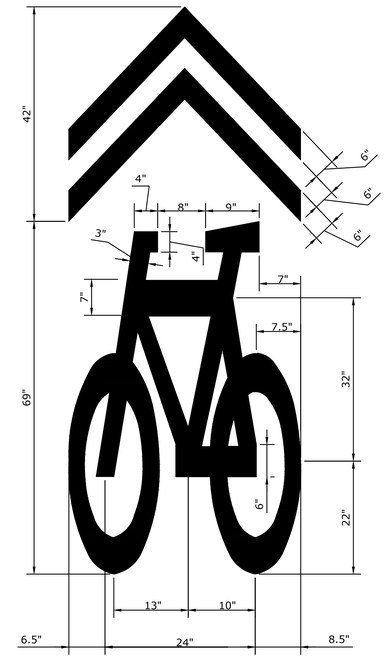
PERMANENT DELINEATOR SLOT DETAIL

NOTES

1. THE LDPE PIPE FOR THE PERMANENT DELINEATOR SLOT SHALL BE INSERTED INTO A DRILLED HOLE IN THE STAMPED CONCRETE ISLAND DIRECTLY ADJACENT TO THE BACK OF THE CURB.
2. THE LDPE PIPE SHALL BE CHEMICALLY ADHERED TO THE CONCRETE USING AN EPOXY-ADHESIVE APPROVED BY THE ENGINEER. THE EPOXY-ADHESIVE SHALL COMPLETELY BOND THE OUTER SURFACE OF PIPE THE CONCRETE.
3. THE PERMANENT DELINEATOR SLOT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "SEASONAL DELINEATOR" – SEE SPECIAL PROVISIONS.



TYPICAL PAVEMENT MARKINGS AT SPLITTER ISLANDS
N.T.S



SHARED BICYCLE LANE MARKING DETAIL
N.T.S

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
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ENGINEER
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31 HAYWARD STREET
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PHONE: 508-528-0770

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35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1783 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER
AVON, CONNECTICUT

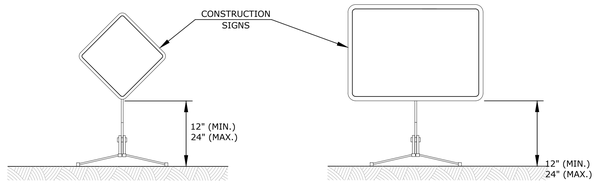
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	05/16/18	PERMITTING SET

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SHEET TITLE
ROADWAY DETAILS

CR-503

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DIAMOND SHAPE

RECTANGLE SHAPE

CONSTRUCTION SIGN NOTES:

1. FOR TEMPORARY SUPPORTS SEE THIS SHEET AND CONN D.O.T. STANDARD SHEET TR-1220-02 - "CONSTRUCTION SIGN SUPPORTS AND CHANNELIZING DEVICES".
2. ALL CONSTRUCTION SIGNS TO BE PAID FOR UNDER MAINTENANCE AND PROTECTION OF TRAFFIC ITEM IN THE CONTRACT.
3. MATERIALS & COLORS SHALL CONFORM TO STATE SPECIFICATIONS.

MATERIALS:

SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3).

ALUMINUM THICKNESS FOR POST MOUNTED SIGNS SHALL BE .100 EXCEPT SIGN #s. 80-9815, 80-9728, 80-9519, 51-6147 (L OR R) WHICH SHALL BE .125, PLYWOOD THICKNESS FOR POST MOUNTED SIGNS SHALL BE ½" EXTERIOR GRADE A-C OR BETTER. SIGN BLANKS SHALL HAVE ONE COAT OF PRIMER PAINT PRIOR TO APPLICATION OF RETROREFLECTIVE SHEETING & COPY.

ALL COLORS TO BE RETROREFLECTIVE WITH THE EXCEPTION OF BLACK WHICH SHALL BE OPAQUE

SIGN COLORS: (UNLESS OTHERWISE SPECIFIED)

LEGEND - BLACK PLAIN

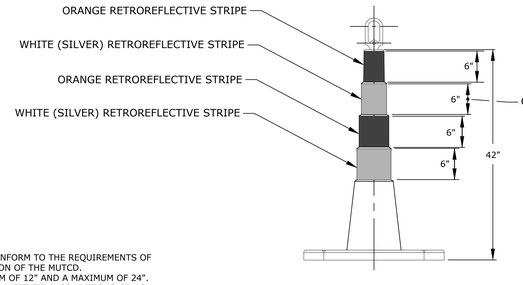
BACKGROUND - ORANGE RETROREFLECTIVE

CONSTRUCTION SIGNS

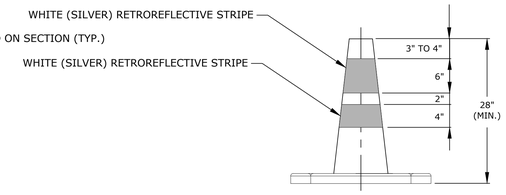
N.T.S.

NOTES FOR PORTABLE SIGN SUPPORTS:

1. SIGNS AND THEIR PORTABLE SUPPORTS SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) AND THE LATEST EDITION OF THE MUTCD.
2. MOUNTING HEIGHT OF SIGNS SHALL BE A MINIMUM OF 12" AND A MAXIMUM OF 24". SIGNS SHALL BE MOUNTED HIGHER AS NEEDED TO MEET FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY SUPPORT DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
4. PORTABLE SIGN SUPPORTS SHALL BE STABILIZED IN A MANNER THAT WILL NOT AFFECT THEIR COMPLIANCE WITH NCHRP REPORT 350 (TL-3).



42" TRAFFIC CONE



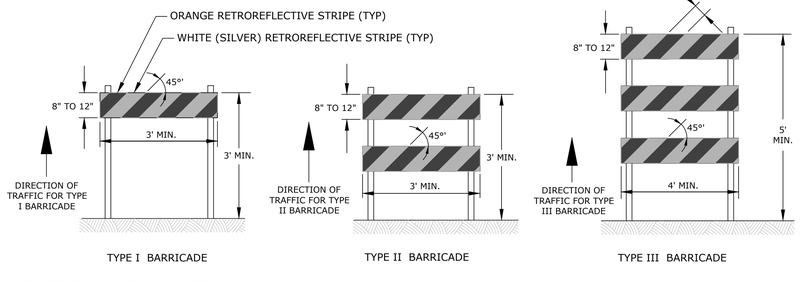
TRAFFIC CONE

TRAFFIC CONE NOTES:

1. TRAFFIC CONES SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) AND THE LATEST EDITION OF THE MUTCD.
2. IF RUBBER CONES ARE USED, THEY SHALL HAVE INTERIOR RIBS FOR RIGIDITY.
3. IF PLASTIC CONES ARE USED, THEY SHALL BE COLOR IMPREGNATED.
4. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY CONE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.

TRAFFIC CONES

N.T.S.



TYPE I BARRICADE

TYPE II BARRICADE

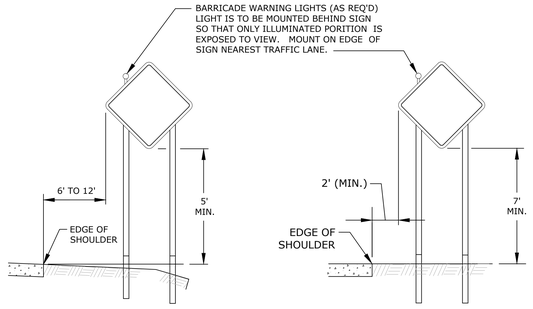
TYPE III BARRICADE

CONSTRUCTION BARRICADES NOTES

1. CONSTRUCTION BARRICADES SHALL CONFORM TO THE REQUIREMENTS OF
2. NCHRP REPORT 350 (TL-3) AND THE LATEST EDITION OF THE MUTCD.
3. MARKINGS FOR BARRICADE RAILS SHALL BE ALTERNATE ORANGE AND WHITE STRIPES SLOPING DOWNWARD IN THE DIRECTION TRAFFIC IS TO PASS. 6" WIDE STRIPES SHALL BE USED.
4. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS. RAILS FOR TYPE I AND TYPE II BARRICADES SHALL BE RETROREFLECTIVE ON BOTH SIDES. WHERE TRAFFIC PASSES ONLY IN ONE DIRECTION OF TRAVEL, ONLY THE SIDE FACING TRAFFIC SHALL BE RETROREFLECTIVE.
5. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY BARRICADE DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
6. CORNERS OF BARRICADE RAILS SHALL BE ROUNDED.
7. SIGNS MAY ONLY BE INSTALLED ON TYPE III BARRICADES AND SHALL BE PLACED SO AS TO COVER NO MORE THAN ONE BARRICADE RAIL.

CONSTRUCTION BARRICADES

N.T.S.



RURAL AREA

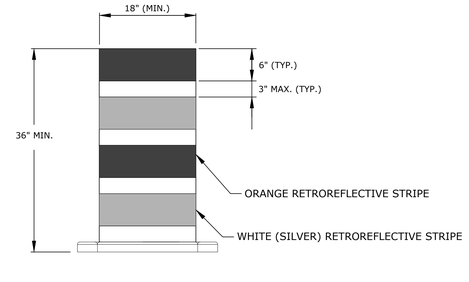
URBAN AREA

SIGN PLAVEMENT NOTES:

SUPPORTS SHALL BE METAL SIGN POSTS AND HAVE BREAK-AWAY FEATURES.
SEE SHEET CD-106 "TYPICAL METAL SIGN POSTS" DETAIL

PLACEMENT OF CONSTRUCTION SIGNS TYPICAL LONG TERM INSTALLATION

N.T.S.



FRONT VIEW

TRAFFIC DRUM NOTES:

1. TRAFFIC DRUM SHALL CONFORM TO THE REQUIREMENTS OF NCHRP REPORT 350 (TL-3) AND THE LATEST EDITION OF THE MUTCD.
2. THE ENGINEER RESERVES THE RIGHT TO REJECT ANY DRUM DEEMED UNSUITABLE FOR THE PURPOSE INTENDED.
3. THE ENTIRE AREA OF ORANGE AND WHITE STRIPES SHALL BE RETROREFLECTIVE SHEETING AS REQUIRED IN THE SPECIFICATIONS.
4. THE SECTIONS OF DRUMS NOT COVERED WITH RETROREFLECTIVE STRIPES SHALL BE ORANGE.

TRAFFIC DRUM

N.T. S.

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

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PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

PHASE ONE AVON VILLAGE CENTER

AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
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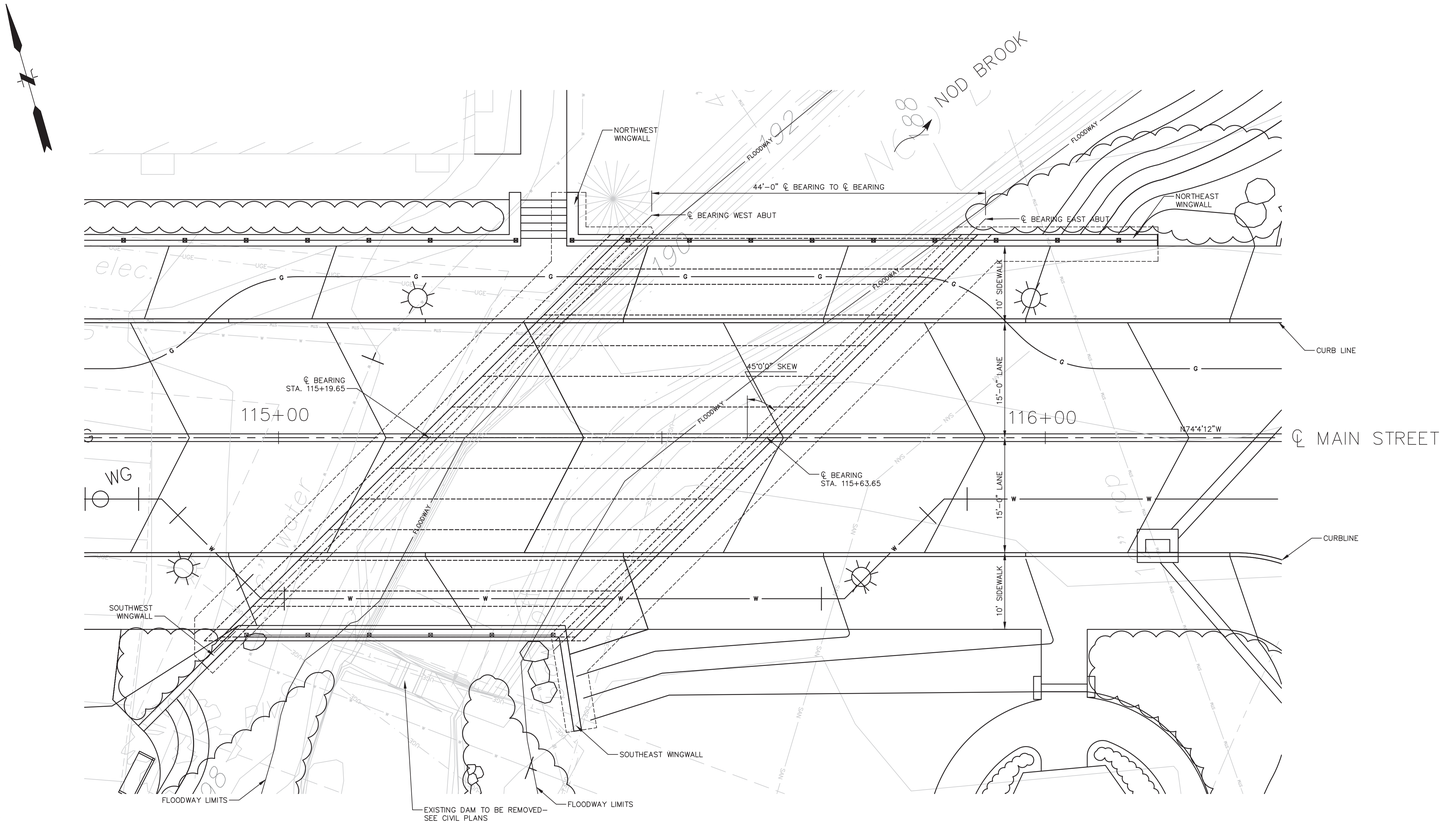
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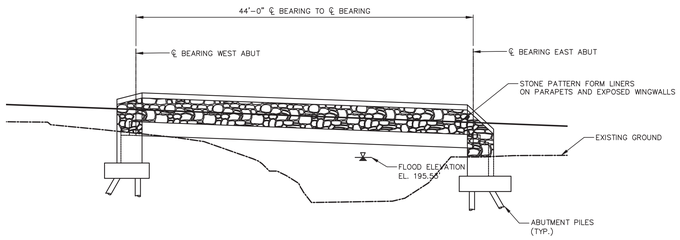
ROADWAY DETAILS

CR-504

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GENERAL PLAN
SCALE: 1/8"=1'



BRIDGE DOWNSTREAM ELEVATION VIEW
SCALE: 1/8"=1'

STRUCTURAL NOTES

SPECIFICATIONS: CONNECTICUT DEPARTMENT OF TRANSPORTATION FORM 817 (2016), AND SPECIAL PROVISIONS.

DESIGN SPECIFICATIONS: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS 8TH EDITION (2017) AS SUPPLEMENTED BY THE CONNECTICUT DEPARTMENT OF TRANSPORTATION BRIDGE DESIGN MANUAL (2003).

MINIMUM ALLOWABLE DESIGN STRESSES:
CLASS "A" CONCRETE ..... BASED ON f'c = 3000 PSI
CLASS "F" CONCRETE ..... BASED ON f'c = 4000 PSI
VALUES PROVIDED ARE DESIGN VALUES AND REPRESENT MINIMUMS. FIELD VALUES WILL VARY PER 817.

REINFORCEMENT
(ASTM A615 GRADE 60) ..... Fy = 60000 PSI

STRUCTURAL STEEL
(AASHTO M270/ASTM A709, GRADE 50)..... Fy = 50000 PSI

LIVE LOAD: HL-93

FUTURE PAVING ALLOWANCE: NONE

DIMENSIONS: WHEN DECIMAL DIMENSIONS ARE GIVEN TO LESS THAN THREE DECIMAL PLACES, THE OMITTED DIGITS SHALL BE ASSUMED TO BE ZEROS.

CONCRETE NOTES:

CLASS "A" CONCRETE: CLASS "A" CONCRETE SHALL BE USED FOR THE ENTIRE SUBSTRUCTURE INCLUDING WINGWALLS

CLASS "F" CONCRETE: CLASS "F" CONCRETE SHALL BE USED FOR CIP PARAPETS AND SIDEWALKS.

JOINT SEAL: SEE SPECIAL PROVISIONS.

EXPOSED EDGES: EXPOSED EDGES OF CONCRETE SHALL BE BEVELED 1" x 1" UNLESS DIMENSIONED OTHERWISE.

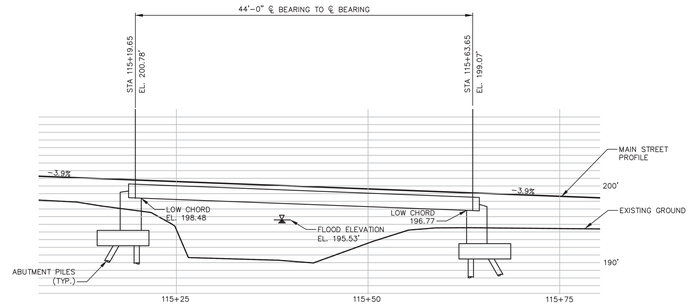
CONCRETE COVER: ALL REINFORCEMENT SHALL HAVE TWO INCHES COVER UNLESS DIMENSIONED OTHERWISE.

REINFORCEMENT: ALL REINFORCEMENT SHALL BE ASTM A615 GRADE 60.

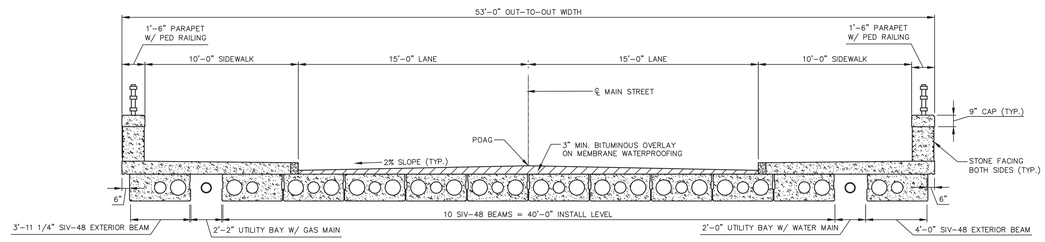
EPOXY COATED REINFORCING BARS: ALL REINFORCEMENT IN THE SUPERSTRUCTURE INCLUDING THE CONCRETE DECK SLAB AND THE PARAPETS SHALL BE EPOXY COATED UNLESS OTHERWISE NOTED. THESE BARS SHALL BE INCLUDED IN THE PAY ITEM FOR "DEFORMED STEEL BARS (EPOXY COATED)."

PREFORMED EXPANSION JOINT FILLER: THE COST OF FURNISHING AND INSTALLING PREFORMED EXPANSION JOINT FILLER SHALL BE INCLUDED IN THE COST OF THE ITEM "CLASS 'F' CONCRETE."

CONSTRUCTION JOINTS: CONSTRUCTION JOINTS, OTHER THAN THOSE SHOWN ON THE PLANS WILL NOT BE PERMITTED WITHOUT THE PRIOR APPROVAL OF THE ENGINEER.



PROFILE VIEW AT ℄
SCALE: 1/8"=1'



CROSS SECTION
SCALE: 1/4"=1'

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

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PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
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PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
STUART H. HARRIS
No. 14313
LICENSED PROFESSIONAL ENGINEER

PHASE ONE
AVON VILLAGE CENTER
AVON, CONNECTICUT

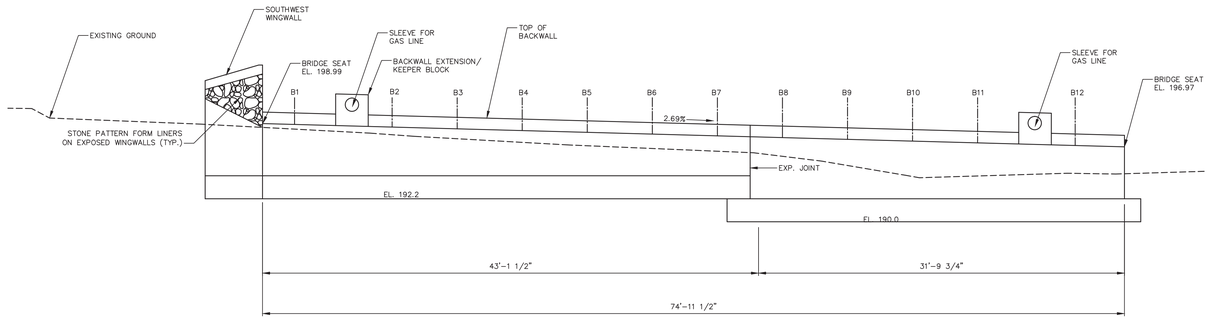
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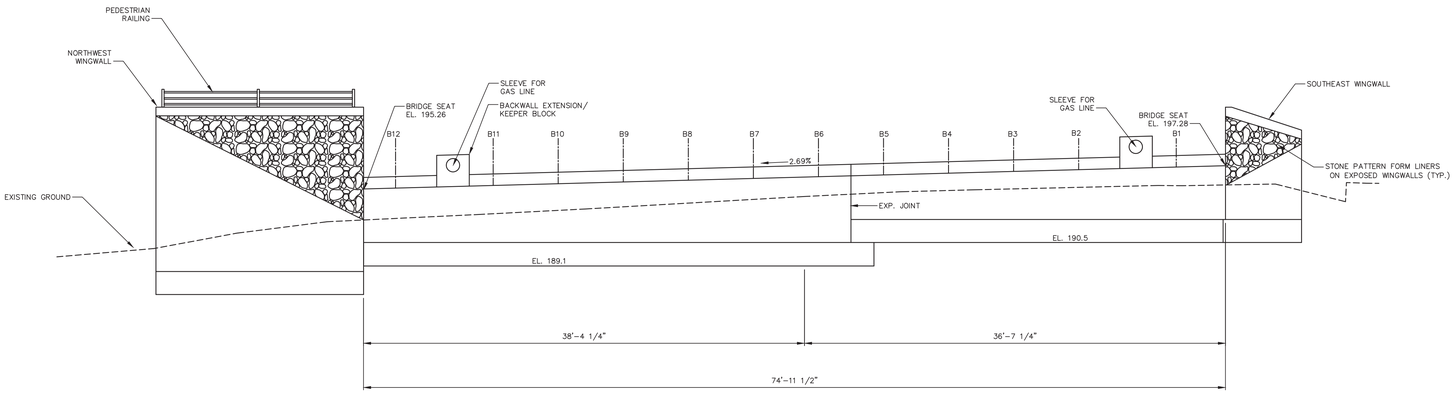
SHEET TITLE
GENERAL PLAN & ELEVATION

STR-01

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WEST ABUTMENT ELEVATION
SCALE: 3/16"=1'



EAST ABUTMENT ELEVATION
SCALE: 3/16"=1'

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

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146 HARTFORD ROAD
MANCHESTER, CT 06040
PHONE: 860-646-2469

ARCHITECT
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FRANKLIN, MA 02038
PHONE: 508-528-0770

RESIDENTIAL ARCHITECT
GATE 17 ARCHITECTURE, LLC
35 GROVE STREET
HADDONFIELD, NJ
PHONE: 856-429-2001

SURVEY
HODGE, LLC
1785 FARMINGTON AVENUE
UNIONVILLE, CT, 06085
PHONE: 860-673-0444

STATE OF CONNECTICUT
STUART H. HAMM
No. 14313
LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER
AVON, CONNECTICUT

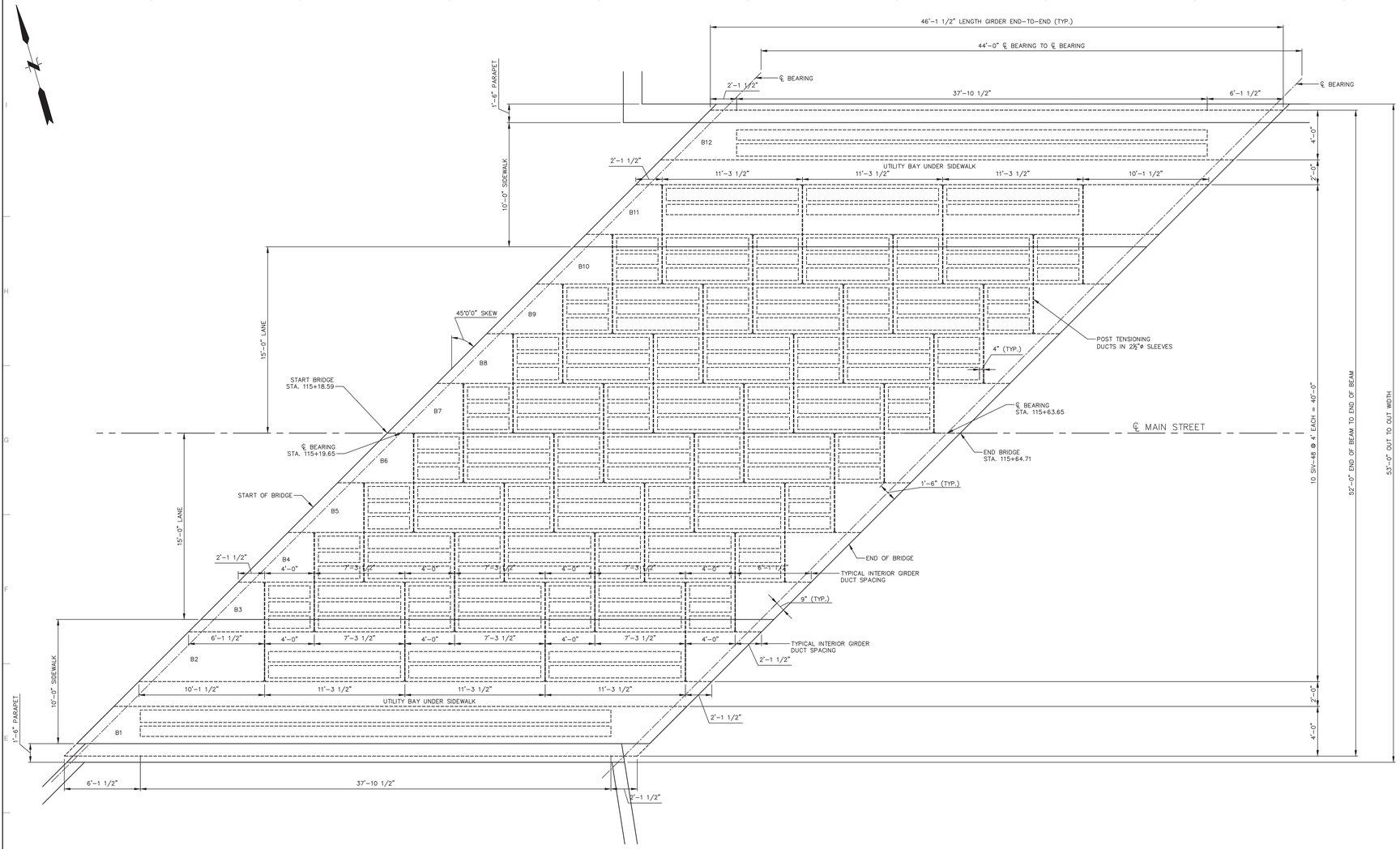
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	05/16/18	PERMITTING SET

PROJECT NO: 2014 0986.S10
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DRAWN BY: DLW
CHECKED BY: SHH
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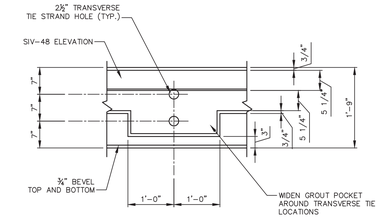
SHEET TITLE
ABUTMENT ELEVATIONS

STR-02

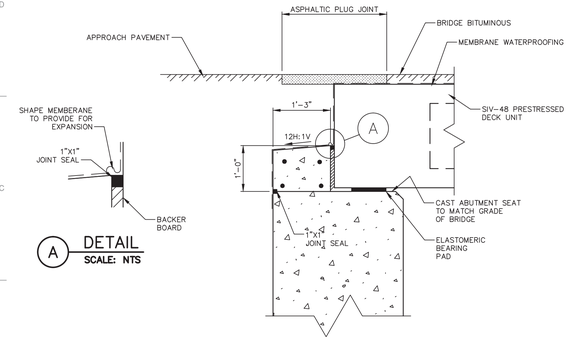
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GIRDER LAYOUT
SCALE: 1/4"=1'

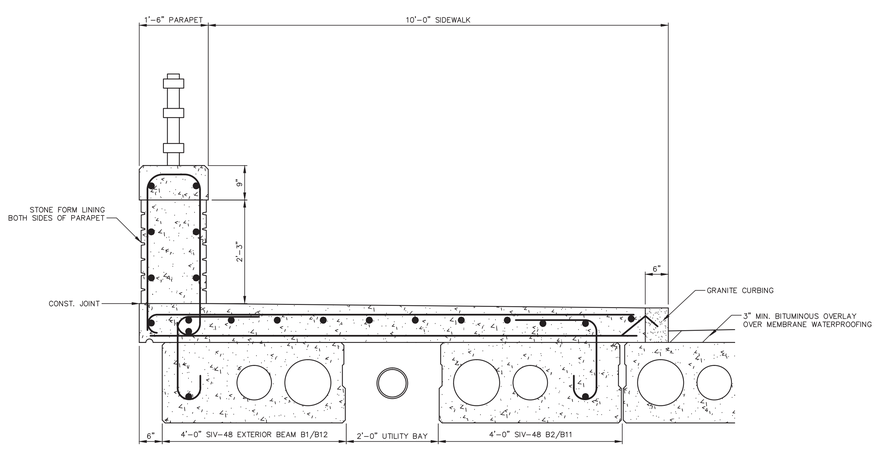


ELEVATION VIEW TRANSVERSE TIES
SCALE: 3/4"=1'



A DETAIL
SCALE: NTS

TYPICAL SECTION THROUGH ABUTMENT AT BEARINGS
SCALE: 3/4"=1'



TYPICAL SECTION AT SIDEWALKS
SCALE: 3/4"=1'

DATUM VERT.: NAVD 88 DATUM HORZ.: NAD 83
SCALE HORZ.: N.A. SCALE VERT.: 1"=30'

30 15 0 30
GRAPHIC SCALE

OWNER/DEVELOPER
AVON TOWN CENTER LLC
1414 ATWOOD AVENUE
JOHNSTON, RI 02919
PHONE: 401-273-6800

LANDSCAPE ARCHITECT
RICHTER & CEGAN INC.
8B CANAL COURT P.O. BOX 567
AVON, CT 06001
PHONE: 860-678-0669

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146 HARTFORD ROAD
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STATE OF CONNECTICUT · STUART H. HARRIS · No. 14313 · LICENSED PROFESSIONAL ENGINEER

PHASE ONE AVON VILLAGE CENTER
AVON, CONNECTICUT

MARK	DATE	DESCRIPTION
	05/16/18	PERMITTING SET

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SHEET TITLE
BEAM LAYOUT AND DETAILS

STR-03

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