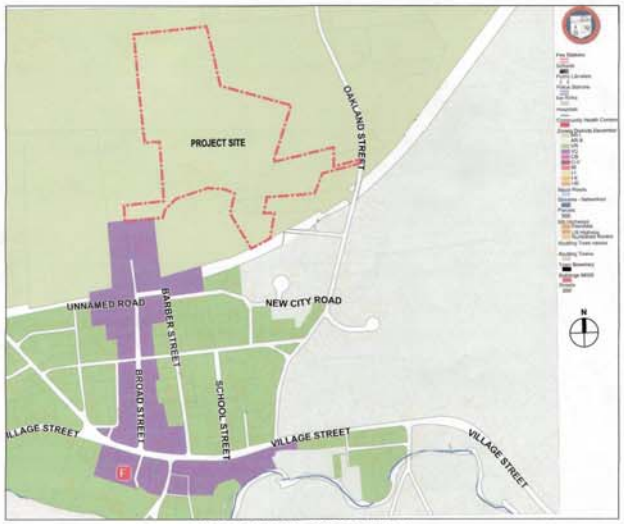
# SITE PLANS - NEW DEPARTMENT OF PUBLIC SERVICES BUILDING

MEDWAY NEW DEPARTMENT OF
PUBLIC SERVICES FACILITY
PERSPECTIVE DRAWING

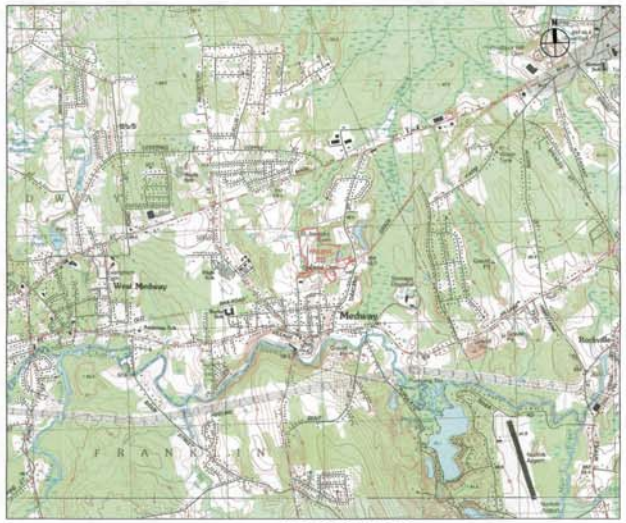
ASSESSORS MAP PARCEL ID'S: 50-002, 50-003, 50-003-001, 51-007 & 51-008

## LIST OF APPROVED WAIVERS FROM THE SITE PLAN RULES AND REGULATIONS

SECTION 204-3.A.7.a - TRAFFIC IMPACT ASSESSMENT
SECTION 204-3.A.7.b - ENVIRONMENTAL IMPACT
SECTION 204-3.A.7.c - COMMUNITY IMPACT
SECTION 204-3.A.7.d - PARKING IMPACT
SECTION 204-5.C.3 - EXISTING LANDSCAPE INVENTORY
SECTION 204-5.D.7) - LANDSCAPE ARCHITECT PLAN
SECTION 205-3.D. - PEDESTRIAN AND BICYCLE ACCESS AND CONNECTIONS
SECTION 205-9.C - INTERIOR LANDSCAPING - PARKING AREAS
SECTION 205-9.D - LANDSCAPE SCREENING




MEDWAY GIS MAP
SCALE: 1"=500'




USGS MAP
SCALE: 1"=2,000'

## LIST OF DRAWINGS:

| | |
|---|---|
| C-001 | COVER SHEET |
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| C-101 | EXISTING CONDITIONS PLAN I (BY SMMA) |
| C-102 | EXISTING CONDITIONS PLAN II (BY SMMA) |
| C-111 | SITE PREPARATION PLAN I (BY SMMA) |
| C-112 | SITE PREPARATION PLAN II (BY SMMA) |
| C-121 | LAYOUT & MATERIALS PLAN (BY SMMA) |
| C-131 | GRADING AND UTILITIES PLAN I (BY SMMA) |
| C-132 | GRADING AND UTILITIES PLAN II (BY SMMA) |
| C-151 | PLANTING PLAN (BY HKA) |
| C-501 | DETAILS I (BY SMMA) |
| C-502 | DETAILS II (BY SMMA) |
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| A-101 | FIRST FLOOR PLAN (BY HKA) |
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| SL-1 | LIGHTING, LAYOUTS & SCHEDULE (SK & ASSOCIATES) |

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

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THE TOWN OF MEDWAY · MASSACHUSETTS · INCORPORATED OCT 25 1715

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL
Architects, Inc.
61 Sleyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
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MECHANICAL ENGINEER:
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22 WEST STREET, UNIT C
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ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

| REV | DATE | DESCRIPTION |
|---|---|---|
| | 03/06/19 | ISSUED FOR PLED BOARD ENDORSEMENT |
| | 02/13/19 | REVISED PER PEER REVIEW COMMENTS REISSUED TO C.C. |
| | 01/31/19 | REVISED AND REISSUED FOR AMENDED NOI |
| | 01/31/19 | REVISED AND REISSUED FOR SITE PLAN REVIEW |
| | 01/07/19 | ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW |
| | 12/27/18 | ISSUED FOR NOTICE OF INTENT |
| | 12/20/18 | ISSUED FOR SITE PLAN REVIEW |

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|---|---|
| DATE | |
| SCALE | AS NOTED |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:
COVER SHEET

DRAWING NO.
C-001

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

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OWNER:
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155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
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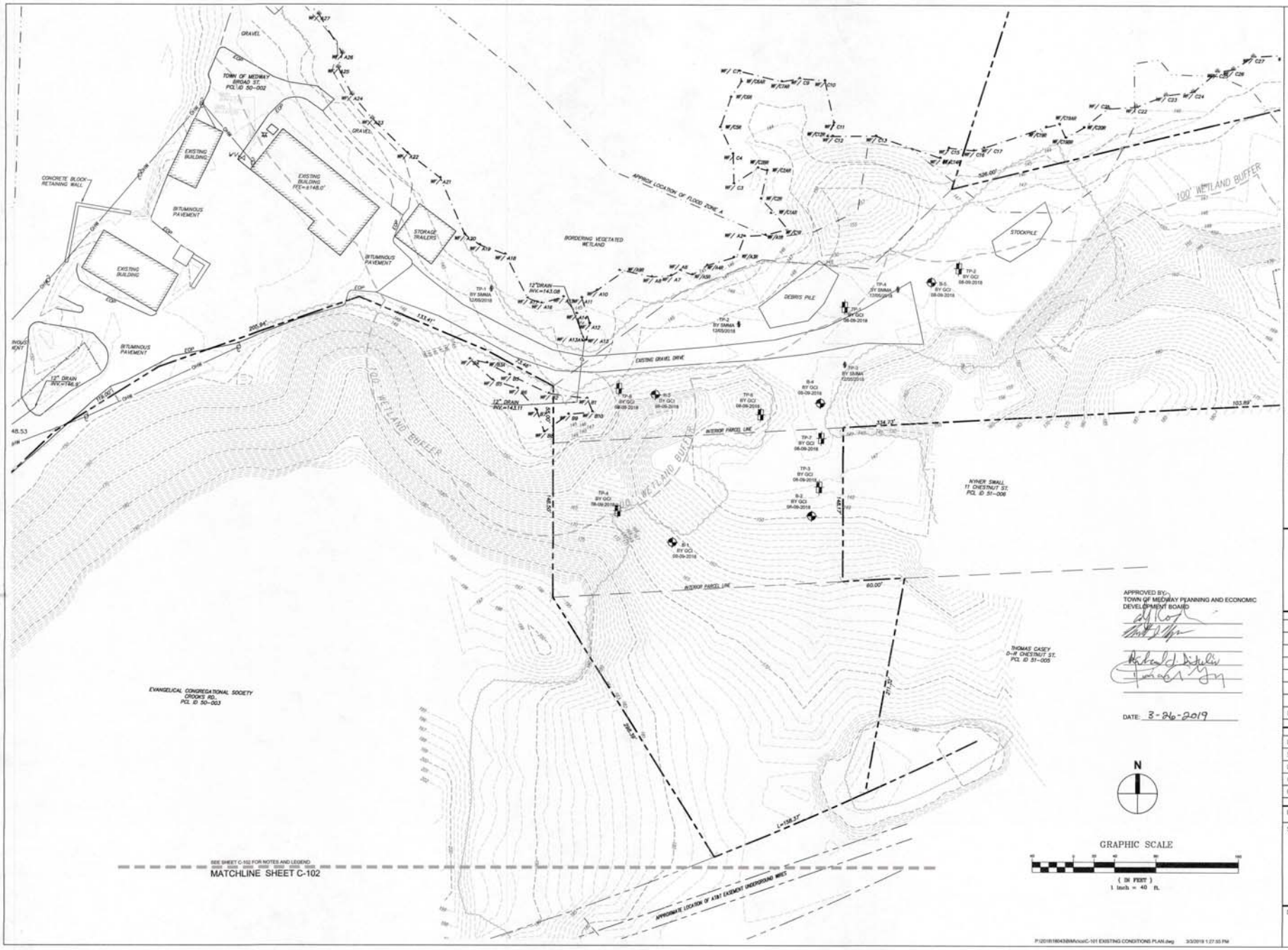
| DATE | |
| SCALE | 1" = 300' |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:
SITE CONTEXT SHEET

DRAWING NO.
C-100

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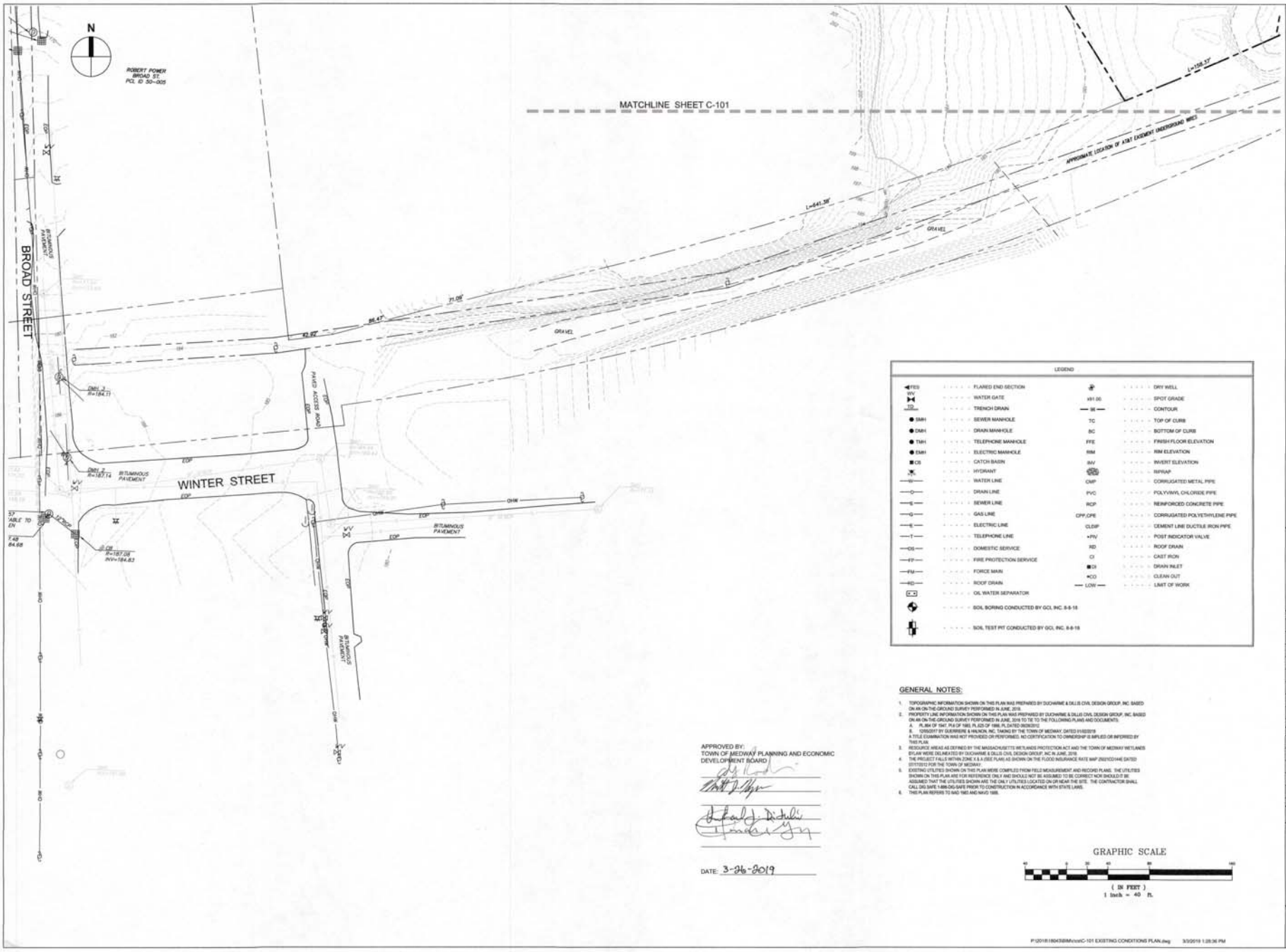
| SCALE | 1" = 40' |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:
EXISTING CONDITIONS PLAN I

DRAWING NO.
C-101

P:\2018\18043\BIM\acoC-101 EXISTING CONDITIONS PLAN.dwg 3/3/2019 1:27:55 PM




LEGEND

| | | | |
|---|---|---|---|
| FES | FLARED END SECTION | | DRY WELL |
| WV | WATER GATE | x91.00 | SPOT GRADE |
| TD | TRENCH DRAIN | 98 | CONTOUR |
| SMH | SEWER MANHOLE | TC | TOP OF CURB |
| DMH | DRAIN MANHOLE | BC | BOTTOM OF CURB |
| TMH | TELEPHONE MANHOLE | FFE | FINISH FLOOR ELEVATION |
| EMH | ELECTRIC MANHOLE | RIM | RIM ELEVATION |
| CB | CATCH BASIN | INV | INVERT ELEVATION |
| | HYDRANT | | RIPRAP |
| W | WATER LINE | CMP | CORRUGATED METAL PIPE |
| D | DRAIN LINE | PVC | POLYVINYL CHLORIDE PIPE |
| S | SEWER LINE | RCP | REINFORCED CONCRETE PIPE |
| G | GAS LINE | CPP,CPE | CORRUGATED POLYETHYLENE PIPE |
| E | ELECTRIC LINE | CLDIP | CEMENT LINE DUCTILE IRON PIPE |
| T | TELEPHONE LINE | PIV | POST INDICATOR VALVE |
| DS | DOMESTIC SERVICE | RD | ROOF DRAIN |
| FP | FIRE PROTECTION SERVICE | CI | CAST IRON |
| FM | FORCE MAIN | DI | DRAIN INLET |
| RD | ROOF DRAIN | CO | CLEAN OUT |
| | OIL WATER SEPARATOR | LOW | LIMIT OF WORK |
| | SOIL BORING CONDUCTED BY GCI, INC. 8-8-18 | | |
| | SOIL TEST PIT CONDUCTED BY GCI, INC. 8-8-18 | | |

## GENERAL NOTES:

1. TOPOGRAPHIC INFORMATION SHOWN ON THIS PLAN WAS PREPARED BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC. BASED ON AN ON-THE-GROUND SURVEY PERFORMED IN JUNE, 2018.
2. PROPERTY LINE INFORMATION SHOWN ON THIS PLAN WAS PREPARED BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC. BASED ON AN ON-THE-GROUND SURVEY PERFORMED IN JUNE, 2018 TO TIE TO THE FOLLOWING PLANS AND DOCUMENTS:
   A. PLBK OF 1947, PL# OF 1983, PL.825 OF 1996, PL DATED 06/28/2012
   B. 12/05/2017 BY GUERRIERE & HALNON, INC. TAKING BY THE TOWN OF MEDWAY, DATED 01/02/2019
   A TITLE EXAMINATION WAS NOT PROVIDED OR PERFORMED. NO CERTIFICATION TO OWNERSHIP IS IMPLIED OR INFERRED BY THIS PLAN.
3. RESOURCE AREAS AS DEFINED BY THE MASSACHUSETTS WETLANDS PROTECTION ACT AND THE TOWN OF MEDWAY WETLANDS BYLAW WERE DELINEATED BY DUCHARME & DILLIS CIVIL DESIGN GROUP, INC IN JUNE, 2018.
4. THE PROJECT FALLS WITHIN ZONE X & A (SEE PLAN) AS SHOWN ON THE FLOOD INSURANCE RATE MAP 25021C0144E DATED 07/17/2012 FOR THE TOWN OF MEDWAY.
5. EXISTING UTILITIES SHOWN ON THIS PLAN WERE COMPILED FROM FIELD MEASUREMENT AND RECORD PLANS. THE UTILITIES SHOWN ON THIS PLAN ARE FOR REFERENCE ONLY AND SHOULD NOT BE ASSUMED TO BE CORRECT NOR SHOULD IT BE ASSUMED THAT THE UTILITIES SHOWN ARE THE ONLY UTILITIES LOCATED ON OR NEAR THE SITE. THE CONTRACTOR SHALL CALL DIG SAFE 1-888-DIG-SAFE PRIOR TO CONSTRUCTION IN ACCORDANCE WITH STATE LAWS.
6. THIS PLAN REFERS TO NAD 1983 AND NAVD 1988.

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

GRAPHIC SCALE

( IN FEET )
1 inch = 40 ft.

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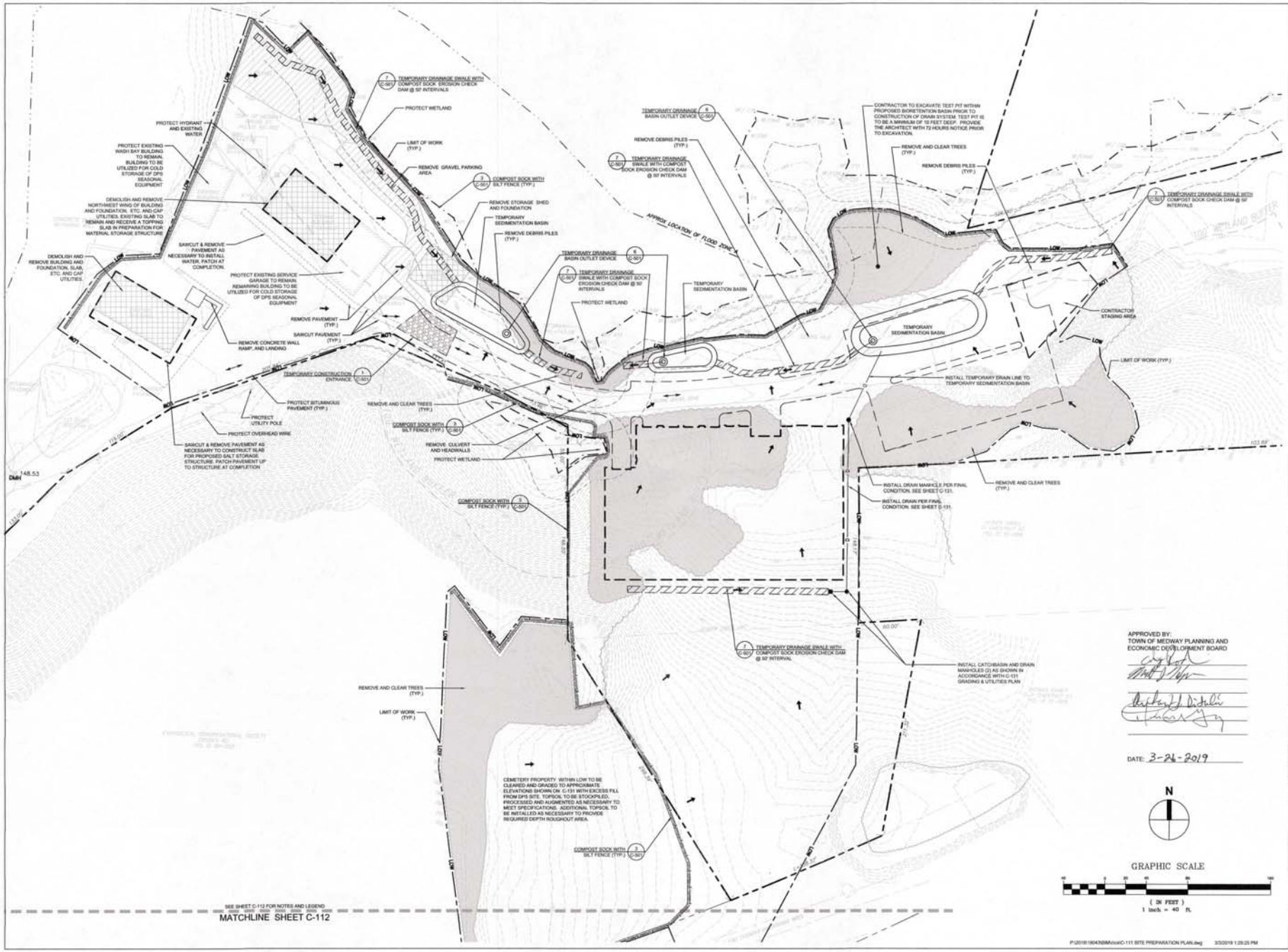
| DATE | |
| SCALE | 1" = 40' |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:
EXISTING CONDITIONS PLAN II

DRAWING NO.
C-102

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| DATE | |
| SCALE | 1" = 40' |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

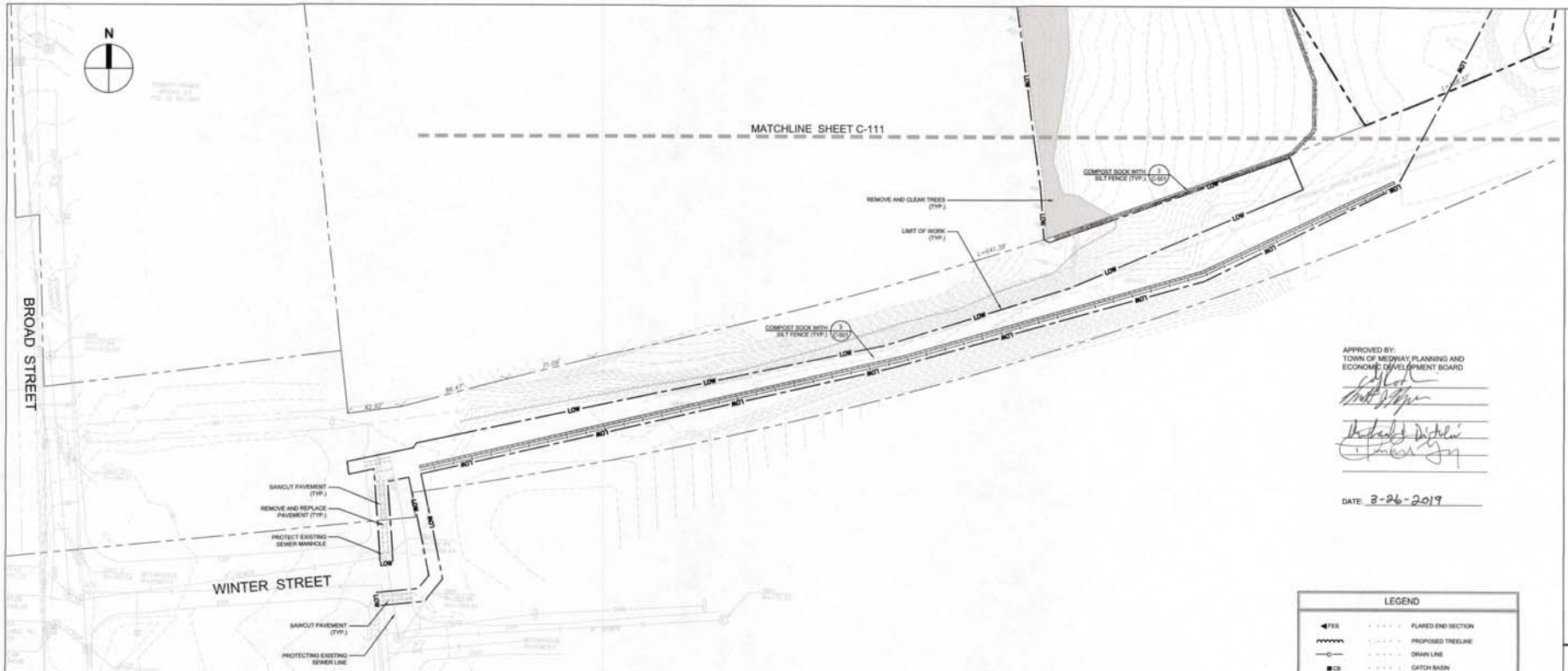
BUILDING:

SHEET TITLE:

EROSION AND SEDIMENT CONTROL PLAN I

DRAWING NO.

C-111




APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

GENERAL EROSION CONTROL NOTES:

1. CONTRACTOR SHALL CONFORM TO ALL CONDITIONS LISTED IN THE ORDER OF CONDITIONS ISSUED FOR THIS PROJECT.

2. CONTRACTOR SHALL CONFORM TO ALL CONDITIONS OF THE STORMWATER POLLUTION PREVENTION PLAN (SWPPP) AND THE NPDES GENERAL PERMIT.

3. EROSION AND SEDIMENTATION CONTROL MEASURES MUST BE IN PLACE AT LEAST 48 HOURS PRIOR TO THE COMMENCEMENT OF ANY SITEWORK OR EARTHWORK OPERATIONS, AND MUST BE MAINTAINED DURING CONSTRUCTION, AND REMAIN IN PLACE UNTIL ALL SITEWORK IS COMPLETE AND GROUNDCOVER IS ESTABLISHED.

4. THE CONTRACTOR SHALL SUBMIT PROOF OF APPLICATION FOR A NPDES GENERAL PERMIT TO THE ARCHITECT AND OWNER PRIOR TO ANY ACTIVITY OR WORK ON SITE.

5. THE CONTRACTOR SHALL NOTIFY THE MEDWAY PLANNING BOARD AND CONSERVATION COMMISSION, IN WRITING, FORTY-EIGHT (48) HOURS BEFORE ANY ACTIVITY COMMENCES ON THE PROJECT SITE.

6. STOCKPILES MUST BE SURROUNDED ON THEIR PERIMETERS WITH STAKED COMPOST SOCKS AND SILT FENCES TO CONTROL EROSION.

7. STABILIZE EXPOSED AREAS IN ACCORDANCE WITH THE NPDES GENERAL PERMIT. STABILIZE STOCK PILES AND EXPOSED SOIL IN AREAS WHERE CONSTRUCTION ACTIVITIES WILL CEASE FOR 21 DAYS.

8. EARTHWORK ACTIVITY ON THE SITE SHALL BE DONE IN A MANNER SUCH THAT RUNOFF IS DIRECTED TO TEMPORARY DRAINAGE SWALES AND TEMPORARY SEDIMENTATION BASINS. TEMPORARY DRAINAGE SWALES ARE TO BE ADJUSTED AND RELOCATED THROUGHOUT THE SITE AS CONSTRUCTION PROGRESSES.

9. THE BIORETENTION AREA AS DESIGNATED ON THE PLANS, IS TO BE USED AS A TEMPORARY SEDIMENTATION BASIN THROUGHOUT CONSTRUCTION AND SHALL BE PERIODICALLY CLEANED DURING CONSTRUCTION. PRIOR TO COMPLETION OF THE BIORETENTION BASIN, ALL SILT AND SEDIMENT IS TO BE REMOVED TO ENSURE THAT THE PERMEABLE NATIVE SANDS ARE EXPOSED ON THE BOTTOM AND SIDES OF THE SUBGRADE. ADDITIONAL TEMPORARY SEDIMENTATION BASINS SHALL BE CONSTRUCTED AND USED THROUGHOUT THE SITE AS NECESSARY.

10. TEMPORARY SEDIMENTATION BASINS SHALL BE CONSTRUCTED TO CONTAIN A VOLUME OF RUNOFF EQUAL TO 0.12 ACRE-FT FOR EACH ACRE THAT IS TRIBUTARY TO THE BASIN.

11. THE DRAINAGE SYSTEM INCLUDING THE BIO-RETENTION AREA SHALL BE CONSTRUCTED DURING THE INITIAL PHASE OF THE PROJECT SO IT IS FUNCTIONAL DURING CONSTRUCTION. SAID STRUCTURES SHALL BE KEPT FREE OF SILT AND DEBRIS TO ENSURE THEIR PROPER OPERATION. THE CONTRACTOR SHALL INSTALL SILT SACKS AT CATCH BASIN GRATES AND USE STAKED HAYBALES AT CATCH BASINS IN ALL EXPOSED SOIL AREAS, AND AS INDICATED ON THE PLANS.

12. CULVERT AND PIPE INLETS AND OUTFALLS SHALL BE PROTECTED BY HAYBALE FILTERS UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED. CATCHBASINS SHALL BE PROTECTED BY SILTSACKS UNTIL DISTURBED AREAS ARE PERMANENTLY STABILIZED.

13. DEWATERING REQUIRED IN CONSTRUCTING THE DETENTION AREAS OR FOR OTHER FEATURES ON THE SITE SHALL DISCHARGE INTO A TEMPORARY SEDIMENTATION BASIN.

14. THE LOCATION OF HAYBALE CHECK DAMS SHALL BE FIELD VERIFIED DURING SITE PREPARATION OPERATIONS BY THE OWNER'S REPRESENTATIVE.

15. SOIL SHALL NOT BE STOCKPILED WITHIN THE 100 FOOT WETLAND BUFFER ZONE. RE-FUELING OF EQUIPMENT IS NOT ALLOWED WITHIN THE 100 FOOT WETLAND BUFFER ZONE. THE STORAGE OF MACHINERY IS NOT ALLOWED WITHIN THE 100 FOOT WETLAND BUFFER ZONE.

16. ALL EROSION CONTROL MEASURES MUST BE ROUTINELY INSPECTED, CLEANED AND REPAIRED OR REPLACED AS NECESSARY THROUGHOUT ALL PHASES OF CONSTRUCTION. IN ADDITION, INSPECTION MUST TAKE PLACE AFTER EACH RAINFALL EVENT.

17. THE CONTRACTOR MUST KEEP ON SITE AT ALL TIMES ADDITIONAL COMPOST SOCK, HAYBALES, SILT FENCING, EROSION CONTROL BLANKETS, STONE RIP-RAP, AND OTHER EROSION CONTROL DEVICES USED DURING CONSTRUCTION. THESE SHALL BE INSTALLED AS NEEDED AND AT THE DIRECTION OF THE ENGINEER OR THE MASS DEP, NERO TO MITIGATE ANY EMERGENCY CONDITION. MINIMUM RESERVE OF COMPOST SOCK AND SILT FENCE MUST INCLUDE 50 LF WITH STAKES.

18. INSTALL EROSION CONTROL MATS ON ALL SLOPES 3:1 OR STEEPER.

MAINTENANCE NOTES:

DURING THE PERIOD OF CONSTRUCTION AND UNTIL LONG TERM VEGETATION IS ESTABLISHED:

1. THE COMPOST SOCK AND SILT FENCING BARRIERS AND OTHER EROSION AND SEDIMENT CONTROL MEASURES/DEVICES SHALL BE INSPECTED, CLEANED, REPLACED AND/OR REPAIRED WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL.

2. SEDIMENTATION BASINS AND TEMPORARY DRAINAGE SWALES SHALL BE INSPECTED AFTER EACH SIGNIFICANT RAINFALL AND CLEANED AS NEEDED TO RETAIN DESIGN CAPACITY.

3. THE ENTRANCES AND EXITS FROM THE SITE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT INTO THE DPS ACCESS DRIVE OR THE PUBLIC WAY. ALL SEDIMENT THAT IS TRACKED, SPILLED OR WASHED INTO THE DPS DRIVE OR PUBLIC WAY SHALL BE REMOVED BY THE CONTRACTOR IMMEDIATELY.

4. CATCH BASINS, OVERFLOW CONTROL STRUCTURES AND OIL/SAND TRAPS SHALL BE INSPECTED AT LEAST EIGHT TIMES PER YEAR, DURING CONSTRUCTION, AND REMOVE SEDIMENT IF OVER SIX INCHES DEEP.

## Construction Sequence

The following is the expected sequence of events that will occur prior to and during construction

1. A pre-construction meeting with the Owner's Representative, Planning Board, Conservation Commission, Engineer and Contractor to review project scope including erosion control, work limits, tree removal, etc.
2. Compost socks will be installed at the perimeter of construction.
3. Temporary construction entrance will be installed at drive adjacent to DPS paved yard.
4. Temporary sedimentation basins and swales will be installed.
5. Trees will be removed within the limit of work, as necessary to prepare the building pad and rough grade perimeter slopes.
6. The earthwork associated with the building pad will commence.
7. Building footings and foundations will commence.
8. Site rough grading will commence including shaping bioretention basin.
9. Drainage and utilities will be installed.
10. Utility corridor and connection to Town utilities will be completed.
11. Building under slab utilities will be installed.
12. Building slab will be poured and building steel will be erected.
13. Remaining building construction will be completed.
14. Building drainage will be connected to site drain system.
15. Final grading at building perimeter will be completed.
16. Sidewalks and pavement areas will be completed.
17. Lawn areas will be loamed and seeded.
18. Perimeter erosion control measures will be removed.

### LEGEND

| | |
|---|---|
| FES | FLARED END SECTION |
| | PROPOSED TREELINE |
| | DRAIN LINE |
| CB | CATCH BASIN |
| DMH | DRAIN MANHOLE |
| x87.25 | SPOT GRADE |
| 95 | EXISTING CONTOUR |
| 95 | PROPOSED CONTOUR |
| | RIPRAP |
| CPE | CORRUGATED POLYETHYLENE PIPE |
| LOW | LIMIT OF WORK |
| RCP | REINFORCED CONCRETE PIPE |
| PVC | POLYVINYL CHLORIDE PIPE |
| | VEHICLE ACCESS |
| | STRAW WATTLE WITH SILT FENCE |
| | BUILDING |
| | EDGE OF PAVEMENT |
| | DIRECTION OF SURFACE RUNOFF |
| | REMOVE BITUMINOUS PAVEMENT, ADJACENT CURBING AND GRAVEL BASE, AND GRAVEL PARKING AREA |
| | REMOVE BUILDING, CONCRETE SLABS, AND FOUNDATION |
| | REMOVE AND CLEAR TREES |
| | REMOVE LIGHT POLE |
| | REMOVE TREES |
| | TEMPORARY OUTLET STRUCTURE |

GRAPHIC SCALE

40 0 20 40 80 160

( IN FEET )
1 inch = 40 ft.

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TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL
Architects, Inc.
41 Sylfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

| REV | DATE | DESCRIPTION |
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| | 02/13/19 | REVISED PER PEER REVIEW COMMENTS REISSUED TO C.C. |
| | 01/31/19 | REVISED AND REISSUED FOR AMENDED NOI |
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| | |
|---|---|
| DATE | |
| SCALE | 1" = 40' |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

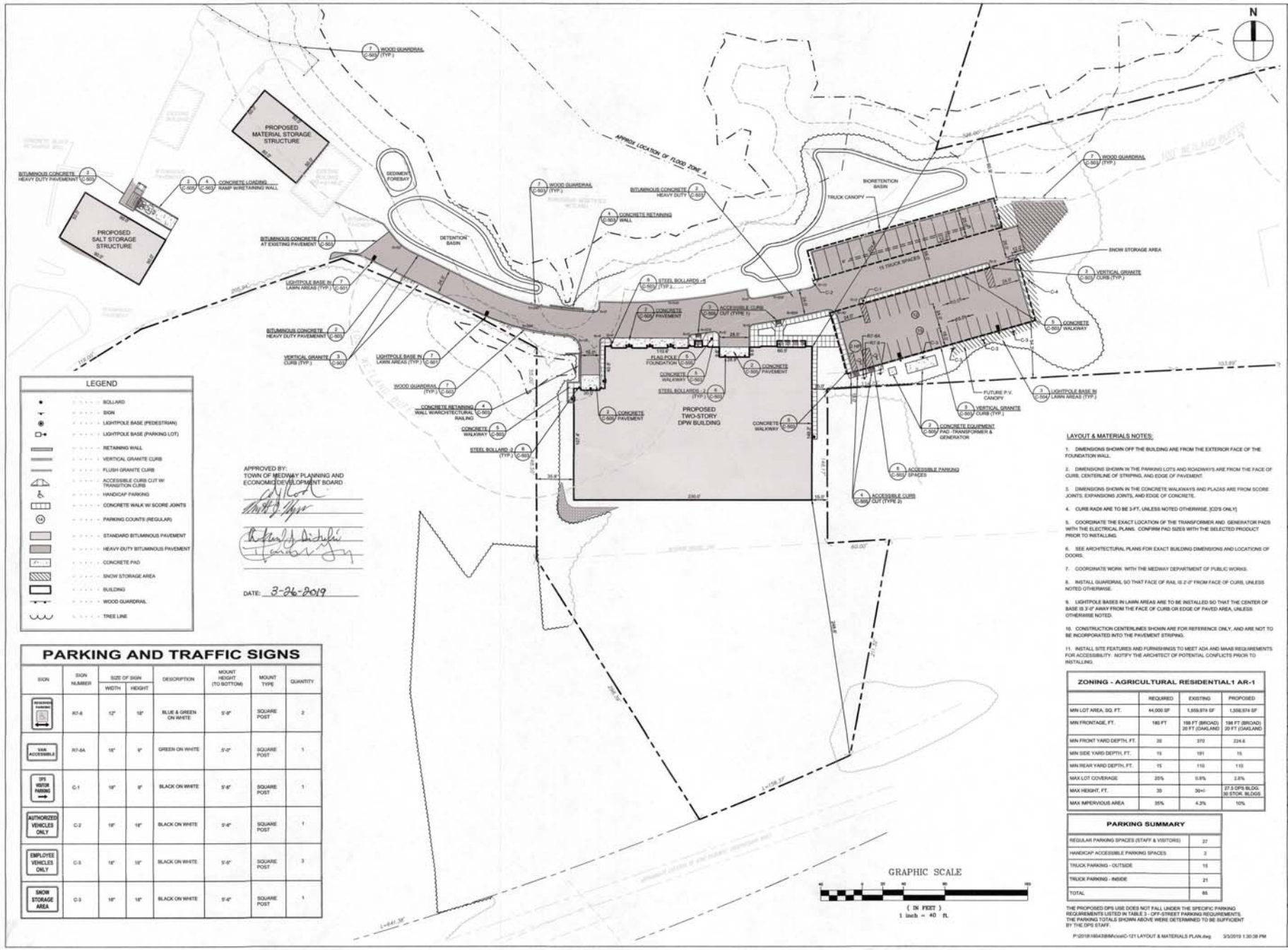
BUILDING:

SHEET TITLE:

EROSION AND SEDIMENT CONTROL PLAN II

DRAWING NO.

C-112




## PARKING AND TRAFFIC SIGNS

| SIGN | SIGN NUMBER | SIZE OF SIGN WIDTH | SIZE OF SIGN HEIGHT | DESCRIPTION | MOUNT HEIGHT (TO BOTTOM) | MOUNT TYPE | QUANTITY |
|---|---|---|---|---|---|---|---|
| RESERVED PARKING | R7-8 | 12" | 18" | BLUE & GREEN ON WHITE | 5'-0" | SQUARE POST | 2 |
| VAN ACCESSIBLE | R7-8A | 18" | 9" | GREEN ON WHITE | 5'-0" | SQUARE POST | 1 |
| DPS VISITOR PARKING | C-1 | 18" | 9" | BLACK ON WHITE | 5'-0" | SQUARE POST | 1 |
| AUTHORIZED VEHICLES ONLY | C-2 | 18" | 18" | BLACK ON WHITE | 5'-0" | SQUARE POST | 1 |
| EMPLOYEE VEHICLES ONLY | C-3 | 18" | 18" | BLACK ON WHITE | 5'-0" | SQUARE POST | 3 |
| SNOW STORAGE AREA | C-3 | 18" | 18" | BLACK ON WHITE | 5'-0" | SQUARE POST | 1 |

### LAYOUT & MATERIALS NOTES:

1. DIMENSIONS SHOWN OFF THE BUILDING ARE FROM THE EXTERIOR FACE OF THE FOUNDATION WALL.
2. DIMENSIONS SHOWN IN THE PARKING LOTS AND ROADWAYS ARE FROM THE FACE OF CURB, CENTERLINE OF STRIPING, AND EDGE OF PAVEMENT.
3. DIMENSIONS SHOWN IN THE CONCRETE WALKWAYS AND PLAZAS ARE FROM SCORE JOINTS, EXPANSIONS JOINTS, AND EDGE OF CONCRETE.
4. CURB RADII ARE TO BE 3-FT, UNLESS NOTED OTHERWISE. [CD'S ONLY]
5. COORDINATE THE EXACT LOCATION OF THE TRANSFORMER AND GENERATOR PADS WITH THE ELECTRICAL PLANS. CONFIRM PAD SIZES WITH THE SELECTED PRODUCT PRIOR TO INSTALLING.
6. SEE ARCHITECTURAL PLANS FOR EXACT BUILDING DIMENSIONS AND LOCATIONS OF DOORS.
7. COORDINATE WORK WITH THE MEDWAY DEPARTMENT OF PUBLIC WORKS.
8. INSTALL GUARDRAIL SO THAT FACE OF RAIL IS 2'-0" FROM FACE OF CURB, UNLESS NOTED OTHERWISE.
9. LIGHTPOLE BASES IN LAWN AREAS ARE TO BE INSTALLED SO THAT THE CENTER OF BASE IS 3'-0" AWAY FROM THE FACE OF CURB OR EDGE OF PAVED AREA, UNLESS OTHERWISE NOTED.
10. CONSTRUCTION CENTERLINES SHOWN ARE FOR REFERENCE ONLY, AND ARE NOT TO BE INCORPORATED INTO THE PAVEMENT STRIPING.
11. INSTALL SITE FEATURES AND FURNISHINGS TO MEET ADA AND MAAB REQUIREMENTS FOR ACCESSIBILITY. NOTIFY THE ARCHITECT OF POTENTIAL CONFLICTS PRIOR TO INSTALLING.

### ZONING - AGRICULTURAL RESIDENTIAL1 AR-1

| | REQUIRED | EXISTING | PROPOSED |
|---|---|---|---|
| MIN LOT AREA, SQ. FT. | 44,000 SF | 1,559,974 SF | 1,556,974 SF |
| MIN FRONTAGE, FT. | 180 FT | 198 FT (BROAD) 20 FT (OAKLAND) | 198 FT (BROAD) 20 FT (OAKLAND) |
| MIN FRONT YARD DEPTH, FT. | 35 | 370 | 224.6 |
| MIN SIDE YARD DEPTH, FT. | 15 | 191 | 15 |
| MIN REAR YARD DEPTH, FT. | 15 | 110 | 110 |
| MAX LOT COVERAGE | 20% | 0.8% | 2.8% |
| MAX HEIGHT, FT. | 35 | 30+/- | 27.5 DPS BLDG. 30 STOR. BLDGS |
| MAX IMPERVIOUS AREA | 35% | 4.3% | 10% |

### PARKING SUMMARY

| | |
|---|---|
| REGULAR PARKING SPACES (STAFF & VISITORS) | 27 |
| HANDICAP ACCESSIBLE PARKING SPACES | 2 |
| TRUCK PARKING - OUTSIDE | 15 |
| TRUCK PARKING - INSIDE | 21 |
| TOTAL | 65 |

THE PROPOSED DPS USE DOES NOT FALL UNDER THE SPECIFIC PARKING REQUIREMENTS LISTED IN TABLE 3 - OFF-STREET PARKING REQUIREMENTS. THE PARKING TOTALS SHOWN ABOVE WERE DETERMINED TO BE SUFFICIENT BY THE DPS STAFF.

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# TOWN OF MEDWAY

## NEW DPW FACILITY

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155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL Architects, Inc.
41 Skyfields Drive, Groton, Massachusetts 01450

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CAMBRIDGE, MA 02138

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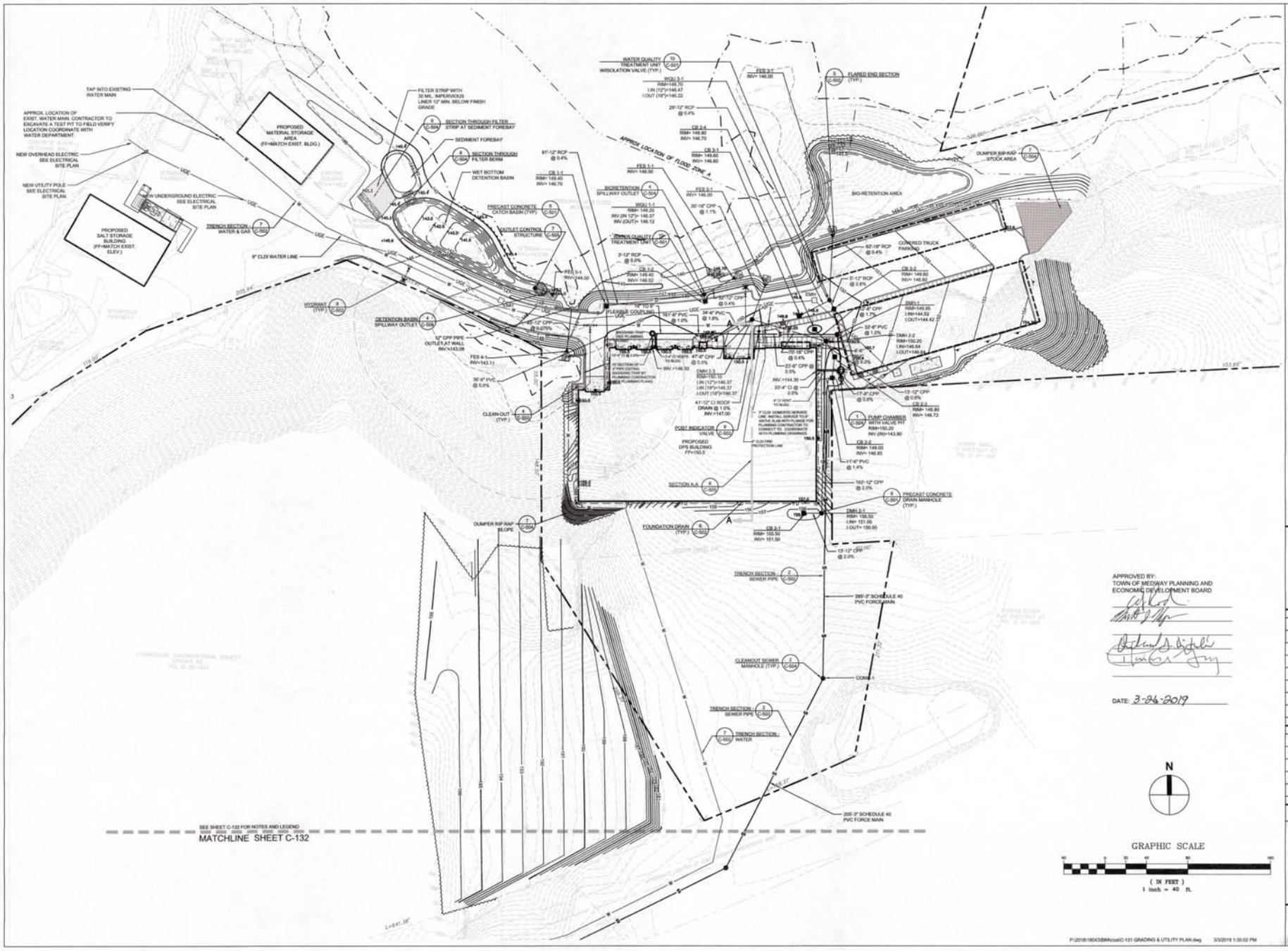
| SCALE | 1" = 40' |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:
LAYOUT & MATERIALS PLAN

DRAWING NO.
C-121




APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

N

GRAPHIC SCALE

( IN FEET )
1 inch = 40 ft.

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# TOWN OF MEDWAY

## NEW DPW FACILITY

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155 VILLAGE STREET
MEDWAY, MA 02053

**ARCHITECT:**
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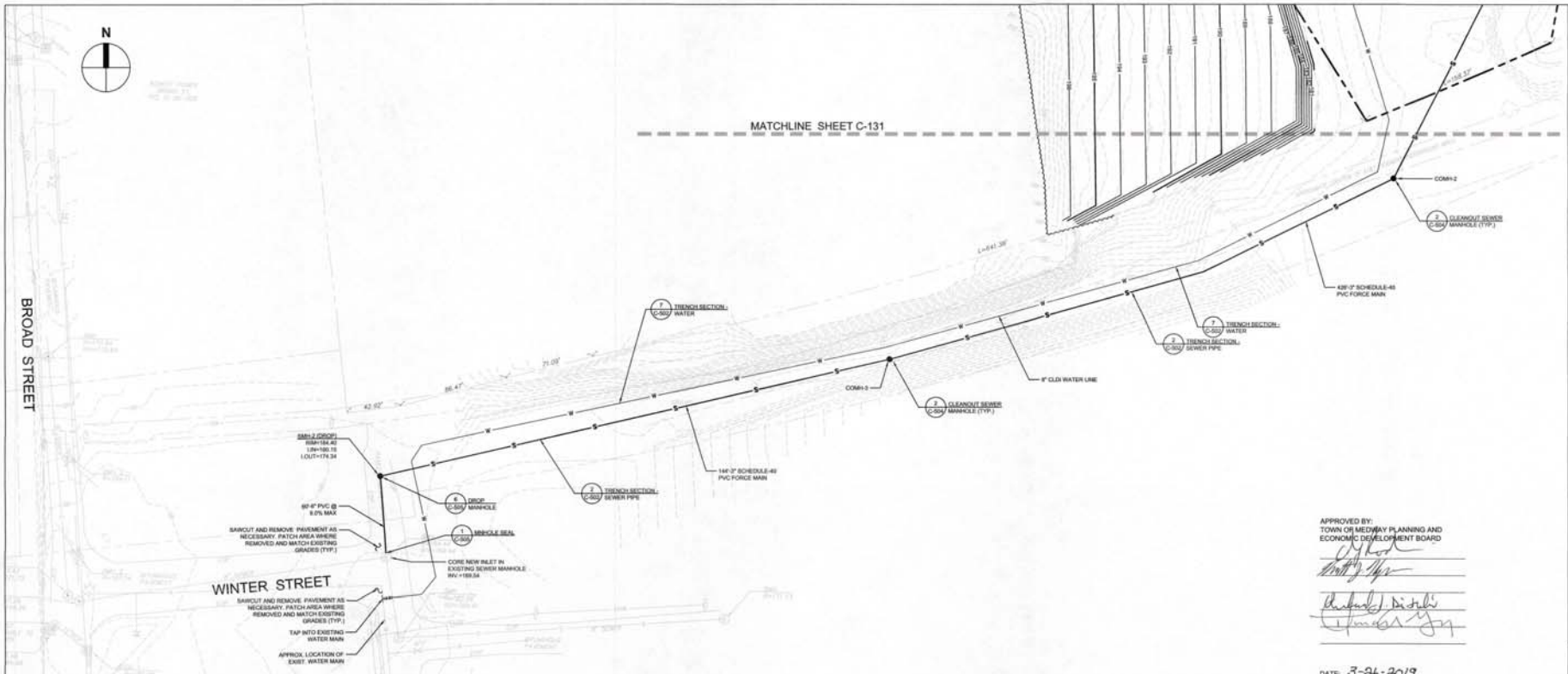
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:
GRADING & UTILITY PLAN I

DRAWING NO.
C-131




APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

NOTES:

1. PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST VERIFY EXISTING UTILITY LOCATIONS AS SHOWN ON THE DRAWINGS. REPORT DISCREPANCIES TO SYMMES MAINI & McKEE ASSOCIATES. 2. CONTRACTOR MUST PAY ALL FEES AND PERMITS. (UNLESS OTHERWISE NOTED.)

3. PIPE MATERIALS: STORM DRAIN: CORRUGATED POLETHYLENE PIPE (CPE) (UNLESS OTHERWISE SPECIFIED)
WATER: CLASS 52 CEMENT LINED DUCTILE IRON
SEWER: POLYVINYL CHLORIDE PIPE (PVC)
GRAVITY-SDR 35
FORCE MAIN - SCHEDULE 40

4. PROVIDE ADEQUATE BRACING AND SHORING OF ALL EXCAVATIONS IN ACCORDANCE WITH ALL GOVERNING CODES AND REGULATIONS.

5. PROTECT ALL NEW AND EXISTING UTILITIES DURING CONSTRUCTION.

6. CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH THE UTILITY COMPANIES.

7. THE CONTRACTOR MUST CONTACT THE APPROPRIATE UTILITY COMPANY AND "DIG SAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION WORK TO REQUEST EXACT FIELD LOCATION OF UTILITIES AND THE ENGINEER MUST BE NOTIFIED OF ANY UTILITIES INTERFERING WITH THE PROPOSED CONSTRUCTION.

8. THE CONTRACTOR IS RESPONSIBLE FOR ESTABLISHING AND MAINTAINING ALL CONTROL POINTS AND BENCH MARKS NECESSARY FOR THE CONSTRUCTION OF THE PROJECT.

9. THE CONTRACTOR SHALL CLEAN ALL STRUCTURES PRIOR TO PROJECT CLOSE-OUT.

10. THE GAS, ELECTRIC AND TELEPHONE SERVICES SHOWN ARE APPROXIMATE. COORDINATE ACTUAL LOCATIONS WITH THE APPROPRIATE SUBCONTRACTOR AND UTILITY COMPANY.

11. PROVIDE CONCRETE THRUST BLOCKS AT ALL BENDS 22 -1/2 MAIN.

12. PROPOSED HYDRANTS MUST MEET THE REQUIREMENTS OF THE TOWN OF MEDWAY FIRE DEPARTMENT AND WATER DEPARTMENT.

13. FOR FINAL LOCATION OF UTILITY POLES, OVERHEAD WIRES AND UNDERGROUND ELECTRIC, SEE ELECTRICAL SITE PLAN.

14. REFER TO ELECTRICAL SITE PLANS FOR EXACT ROUTING OF UNDERGROUND ELECTRICAL AND TELECOMMUNICATION UTILITIES AND FOR TEMPORARY ELECTRICAL UTILITIES. REFER TO ELECTRICAL SITE PLANS FOR EXACT NUMBER AND LOCATION OF LIGHT POLES AND FOR LIGHTING TYPES.

15. GAS SERVICE INSTALLATION FROM MAIN TO GAS METER AT BUILDING INCLUDING METER IS BY THE GAS COMPANY. EXCAVATION AND BACKFILLING BY THE CONTRACTOR. CONTRACTOR TO COORDINATE WITH THE GAS COMPANY.

16. MAINTAIN A MINIMUM 10 FOOT HORIZONTAL SEPARATION BETWEEN SANITARY SEWER AND WATER LINES. AT CROSSINGS SANITARY SEWER (GRAVITY AND FORCE MAIN) IS TO BE INSTALLED BELOW WATER LINES WITH A MINIMUM SEPARATION OF 18 INCHES.

LEGEND

| | | | |
|---|---|---|---|
| FES | FLARED END SECTION | | DRY WELL |
| WV | WATER GATE | 181.00 | SPOT GRADE |
| TD | TRENCH DRAIN | 98 | CONTOUR |
| SMH | SEWER MANHOLE | TC | TOP OF CURB |
| COMH | CLEANOUT MANHOLE | BC | BOTTOM OF CURB |
| DMH | DRAIN MANHOLE | FFE | FINISH FLOOR ELEVATION |
| EMH | ELECTRIC MANHOLE | RIM | RIM ELEVATION |
| CB | CATCH BASIN | INV | INVERT ELEVATION |
| PIV | POST INDICATOR VALVE | | RIPRAP |
| | HYDRANT | CMP | CORRUGATED METAL PIPE |
| W | WATER LINE | PVC | POLYVINYL CHLORIDE PIPE |
| D | DRAIN LINE | RCP | REINFORCED CONCRETE PIPE |
| S | SEWER LINE | CPP, CPE | CORRUGATED POLYETHYLENE PIPE |
| G | GAS LINE | CLDIP | CEMENT LINE DUCTILE IRON PIPE |
| E | ELECTRIC LINE | PIV | POST INDICATOR VALVE |
| T | TELEPHONE LINE | RD | ROOF DRAIN |
| DS | DOMESTIC SERVICE | CI | CAST IRON |
| FP | FIRE PROTECTION SERVICE | DI | DRAIN INLET |
| FM | FORCE MAIN | LOW | LIMIT OF WORK |
| RD | ROOF DRAIN | | |

GRAPHIC SCALE

( IN FEET )
1 inch = 40 ft.

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THE TOWN OF MEDWAY · MASSACHUSETTS · INCORPORATED OCT 25 1715

# TOWN OF MEDWAY

## NEW DPW FACILITY

OWNER:
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155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
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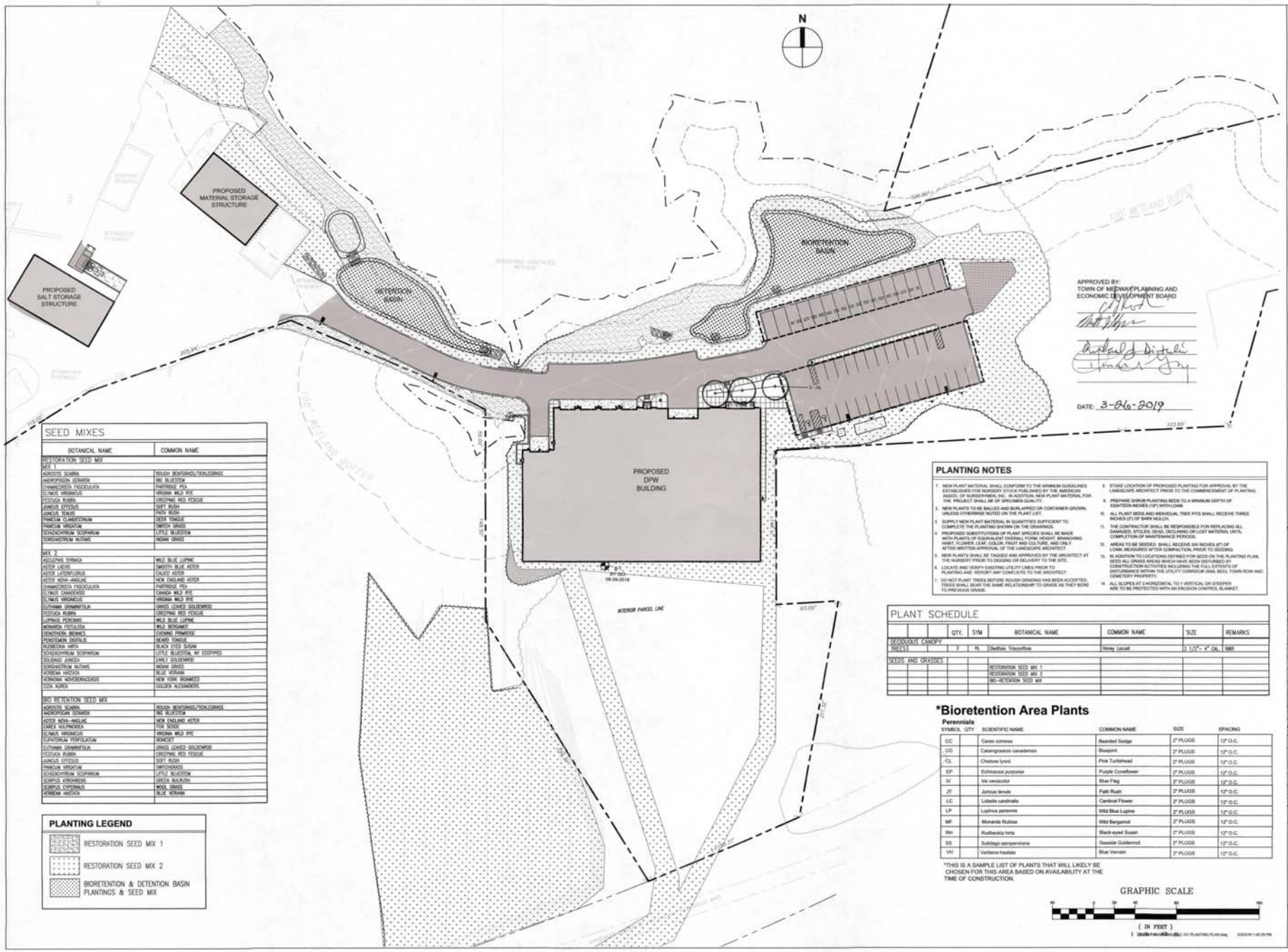
BUILDING:

SHEET TITLE:
GRADING & UTILITY PLAN II

DRAWING NO.
C-132




## SEED MIXES

| BOTANICAL NAME | COMMON NAME |
|---|---|
| RESTORATION SEED MIX MIX 1 | |
| AGROSTIS SCABRA | ROUGH BENTGRASS/TICKLEGRASS |
| ANDROPOGON GERARDII | BIG BLUESTEM |
| CHAMAECRISTA FASCICULATA | PARTRIDGE PEA |
| ELYMUS VIRGINICUS | VIRGINIA WILD RYE |
| FESTUCA RUBRA | CREEPING RED FESCUE |
| JUNCUS EFFESUS | SOFT RUSH |
| JUNCUS TENUIS | PATH RUSH |
| PANICUM CLANDESTINUM | DEER TONGUE |
| PANICUM VIRGATUM | SWITCH GRASS |
| SCHIZACHYRIUM SCOPARIUM | LITTLE BLUESTEM |
| SORGHASTRUM NUTANS | INDIAN GRASS |
| MIX 2 | |
| ASCLEPIAS SYRIACA | WILD BLUE LUPINE |
| ASTER LAEVIS | SMOOTH BLUE ASTER |
| ASTER LATERIFLORUS | CALICO ASTER |
| ASTER NOVA-ANGLIAE | NEW ENGLAND ASTER |
| CHAMAECRISTA FASCICULATA | PARTRIDGE PEA |
| ELYMUS CANADENSIS | CANADA WILD RYE |
| ELYMUS VIRGINICUS | VIRGINIA WILD RYE |
| EUTHAMIA GRAMINIFOLIA | GRASS LEAVED GOLDENROD |
| FESTUCA RUBRA | CREEPING RED FESCUE |
| LUPINUS PERENNIS | WILD BLUE LUPINE |
| MONARDA FISTULOSA | WILD BERGAMOT |
| OENOTHERA BIENNIS | EVENING PRIMROSE |
| PENSTEMON DIGITALIS | BEARD TONGUE |
| RUDBECKIA HIRTA | BLACK EYED SUSAN |
| SCHIZACHYRIUM SCOPARIUM | LITTLE BLUESTEM, MY ECOTYPES |
| SOLIDAGO JUNCEA | EARLY GOLDENROD |
| SORGHASTRUM NUTANS | INDIAN GRASS |
| VERBENA HASTATA | BLUE VERVAIN |
| VERNONIA NOVEBORACENSIS | NEW YORK IRONWEED |
| ZIZIA AUREA | GOLDEN ALEXANDERS |
| BIO RETENTION SEED MIX | |
| AGROSTIS SCABRA | ROUGH BENTGRASS/TICKLEGRASS |
| ANDROPOGAN GERARDII | BIG BLUESTEM |
| ASTER NOVA-ANGLIAE | NEW ENGLAND ASTER |
| CAREX VULPINOIDEA | FOX SEDGE |
| ELYMUS VIRGINICUS | VIRGINIA WILD RYE |
| EUPATORIUM PERFOLIATUM | BONESET |
| EUTHAMIA GRAMINIFOLIA | GRASS LEAVED GOLDENROD |
| FESTUCA RUBRA | CREEPING RED FESCUE |
| JUNCUS EFFESUS | SOFT RUSH |
| PANICUM VIRGATUM | SWITCHGRASS |
| SCHIZACHYRIUM SCOPARIUM | LITTLE BLUESTEM |
| SCIRPUS ATROVIRENS | GREEN BULRUSH |
| SCIRPUS CYPERINUS | WOOL GRASS |
| VERBENA HASTATA | BLUE VERVAIN |

## PLANTING LEGEND

- RESTORATION SEED MIX 1
- RESTORATION SEED MIX 2
- BIORETENTION & DETENTION BASIN PLANTINGS & SEED MIX

## PLANTING NOTES

1. NEW PLANT MATERIAL SHALL CONFORM TO THE MINIMUM GUIDELINES ESTABLISHED FOR NURSERY STOCK PUBLISHED BY THE AMERICAN ASSOC. OF NURSERYMEN, INC. IN ADDITION, NEW PLANT MATERIAL FOR THE PROJECT SHALL BE OF SPECIMEN QUALITY.
2. NEW PLANTS TO BE BALLED AND BURLAPPED OR CONTAINER-GROWN, UNLESS OTHERWISE NOTED ON THE PLANT LIST.
3. SUPPLY NEW PLANT MATERIAL IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN ON THE DRAWINGS.
4. PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.
5. NEW PLANTS SHALL BE TAGGED AND APPROVED BY THE ARCHITECT AT THE NURSERY PRIOR TO DIGGING OR DELIVERY TO THE SITE.
6. LOCATE AND VERIFY EXISTING UTILITY LINES PRIOR TO PLANTING AND REPORT ANY CONFLICTS TO THE ARCHITECT.
7. DO NOT PLANT TREES BEFORE ROUGH GRADING HAS BEEN ACCEPTED. TREES SHALL BEAR THE SAME RELATIONSHIP TO GRADE AS THEY BORE TO PREVIOUS GRADE.
8. STAKE LOCATION OF PROPOSED PLANTING FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO THE COMMENCEMENT OF PLANTING.
9. PREPARE SHRUB PLANTING BEDS TO A MINIMUM DEPTH OF EIGHTEEN INCHES (18") WITH LOAM.
10. ALL PLANT BEDS AND INDIVIDUAL TREE PITS SHALL RECEIVE THREE INCHES (3") OF BARK MULCH.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED, STOLEN, DEAD, DECLINING OR LOST MATERIAL UNTIL COMPLETION OF MAINTENANCE PERIODS.
12. AREAS TO BE SEEDED SHALL RECEIVE SIX INCHES (6") OF LOAM, MEASURED AFTER COMPACTION, PRIOR TO SEEDING.
13. IN ADDITION TO LOCATIONS DEFINED FOR SEED ON THE PLANTING PLAN, SEED ALL GRASS AREAS WHICH HAVE BEEN DISTURBED BY CONSTRUCTION ACTIVITIES INCLUDING THE FULL EXTENTS OF DISTURBANCE WITHIN THE UTILITY CORRIDOR (RAIL BED), TOWN ROW AND CEMETERY PROPERTY.
14. ALL SLOPES AT 3 HORIZONTAL TO 1 VERTICAL OR STEEPER ARE TO BE PROTECTED WITH AN EROSION CONTROL BLANKET.

## PLANT SCHEDULE

| | QTY. | SYM | BOTANICAL NAME | COMMON NAME | SIZE | REMARKS |
|---|---|---|---|---|---|---|
| DECIDUOUS CANOPY TREES | 3 | HL | Gleditsia triacanthos | Honey Locust | 3 1/2"- 4" CAL | B&B |
| SEEDS AND GRASSES | | | | | | |
| | | | RESTORATION SEED MIX 1 | | | |
| | | | RESTORATION SEED MIX 2 | | | |
| | | | BIO-RETENTION SEED MIX | | | |

## *Bioretention Area Plants

**Perennials**

| SYMBOL | QTY | SCIENTIFIC NAME | COMMON NAME | SIZE | SPACING |
|---|---|---|---|---|---|
| CC | | Carex comosa | Bearded Sedge | 2" PLUGS | 12" O.C. |
| CG | | Calamagrostis canadensis | Bluejoint | 2" PLUGS | 12" O.C. |
| CL | | Chelone lyonii | Pink Turtlehead | 2" PLUGS | 12" O.C. |
| EP | | Echinacea purpurea | Purple Coneflower | 2" PLUGS | 12" O.C. |
| IV | | Iris versicolor | Blue Flag | 2" PLUGS | 12" O.C. |
| JT | | Juncus tenuis | Path Rush | 2" PLUGS | 12" O.C. |
| LC | | Lobelia cardinalis | Cardinal Flower | 2" PLUGS | 12" O.C. |
| LP | | Lupinus perennis | Wild Blue Lupine | 2" PLUGS | 12" O.C. |
| MF | | Monarda fistulosa | Wild Bergamot | 2" PLUGS | 12" O.C. |
| RH | | Rudbeckia hirta | Black-eyed Susan | 2" PLUGS | 12" O.C. |
| SS | | Solidago sempervirens | Seaside Goldenrod | 2" PLUGS | 12" O.C. |
| VH | | Verbena hastata | Blue Vervain | 2" PLUGS | 12" O.C. |

*THIS IS A SAMPLE LIST OF PLANTS THAT WILL LIKELY BE CHOSEN FOR THIS AREA BASED ON AVAILABILITY AT THE TIME OF CONSTRUCTION.

GRAPHIC SCALE

40 0 20 40 80 160

( IN FEET )

# TOWN OF MEDWAY

## NEW DPW FACILITY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155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370


STAMP

| REV | DATE | DESCRIPTION |
|---|---|---|
| | 03/06/19 | ISSUED FOR PLED BOARD ENDORSEMENT |
| | 02/13/19 | REVISED PER PEER REVIEW |
| | 01/31/19 | COMMENTS REISSUED TO C.C. |
| | 01/31/19 | REVISED AND REISSUED FOR AMENDED NOI |
| | 01/07/19 | REVISED AND REISSUED FOR SITE PLAN REVIEW |
| | 12/27/18 | ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW |
| | 12/20/18 | ISSUED FOR NOTICE OF INTENT |
| | | ISSUED FOR SITE PLAN REVIEW |

| | |
|---|---|
| DATE | |
| SCALE | 1" = 40' |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

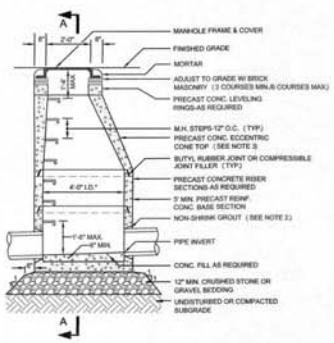
BUILDING:

SHEET TITLE:

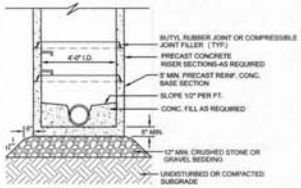
PLANTING PLAN

DRAWING NO.

C-151



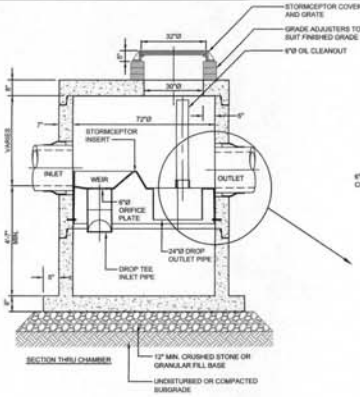

NOTE: 1. STRUCTURE ADEQUATE FOR H-20 LOADING.
2. NEOPRENE SEAL TO CONFORM TO ASTM C-443 (SANITARY M.H. ONLY)
3. PROVIDE SLAB TOP WHERE REQUIRED.



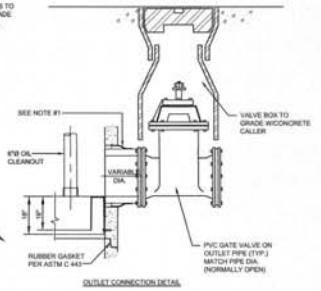

SECTION A

* PROVIDE 5'-0" I.D. SECTIONS AS REQUIRED FOR MULTIPLE/LARGE DIAMETER PIPES.

## 9 PRECAST CONCRETE DRAIN MANHOLE
N.T.S.



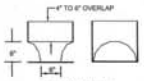

SECTION THRU CHAMBER




OUTLET CONNECTION DETAIL

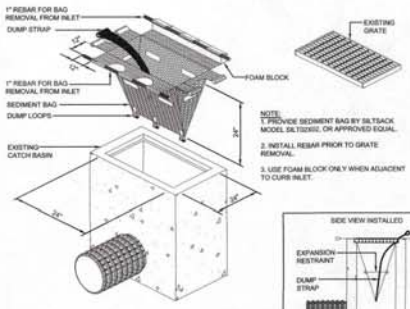
APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

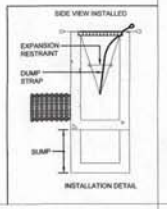



ENLARGED INLET TEE DROP PIPE

## 10 900 GALLON WATER QUALITY UNIT
N.T.S.

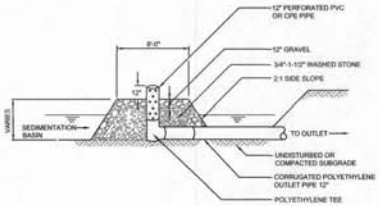



NOTE:
1. PROVIDE SEDIMENT BAG BY SILTSACK MODEL SILT32X32, OR APPROVED EQUAL.
2. INSTALL REBAR PRIOR TO GRATE REMOVAL.
3. USE FOAM BLOCK ONLY WHEN ADJACENT TO CURB INLET.



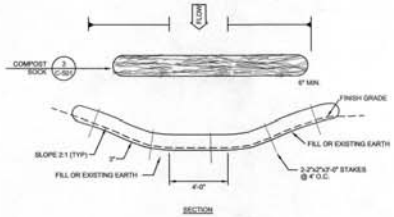

INSTALLATION DETAIL

## 5 SEDIMENT BAG AT CATCH BASIN
N.T.S.



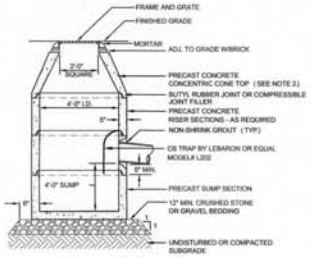

## 6 TEMPORARY SEDIMENTATION BASIN OUTLET DEVICE
N.T.S.

NOTE:
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED AT THE INLET AND OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE OUTLET DROP PIPE AND THE OIL CLEANOUT PIPE.



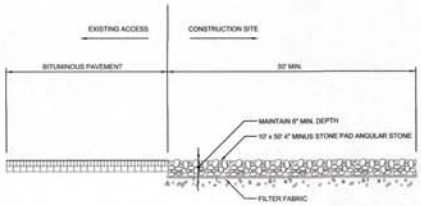

SECTION

## 7 TEMPORARY DRAINAGE SWALE WITH COMPOST SOCK EROSION CHECK DAM
N.T.S.

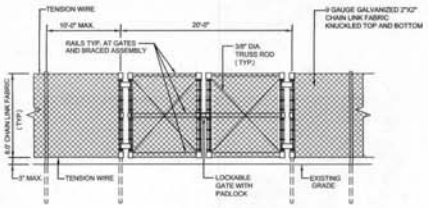



NOTES: 1. STRUCTURE ADEQUATE FOR H-20 LOADING.
2. PROVIDE SLAB TOP WHERE PIPE COVER < 36"

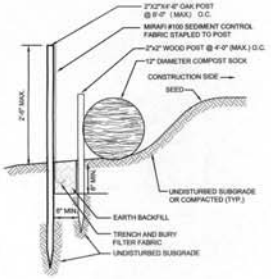
## 8 PRECAST CONCRETE CATCHBASIN
N.T.S.




## 1 TEMPORARY CONSTRUCTION ENTRANCE
N.T.S.

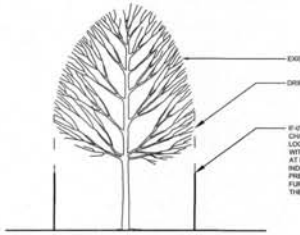



## 2 TEMPORARY CONSTRUCTION FENCE W/GATE
N.T.S.




NOTE:
INSTALL ACCORDING TO MANUFACTURER'S RECOMMENDATIONS

## 3 COMPOST SOCK WITH SILT FENCE
N.T.S.




## 4 TREE PROTECTION DETAIL
N.T.S.

# TOWN OF MEDWAY

## NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL
Architects, Inc.
61 Seyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
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1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
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22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
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ROCKLAND, MA 02370

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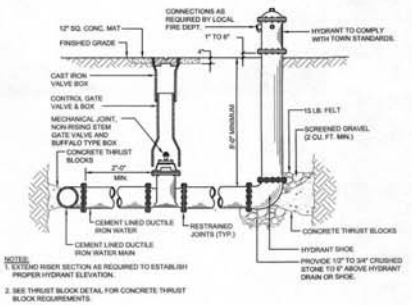
| | |
|---|---|
| DATE | |
| SCALE | NTS |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

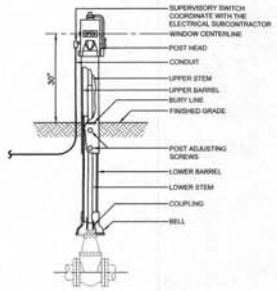
SHEET TITLE:

DETAILS I

DRAWING NO.
C-501



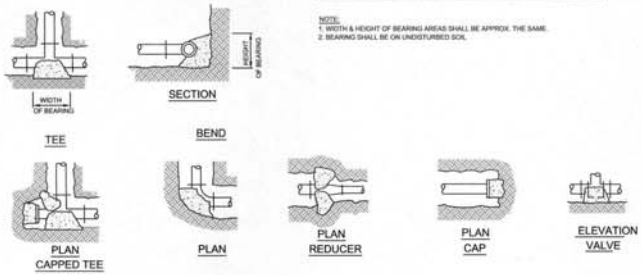

8 **HYDRANT**
N.T.S.




9 **POST INDICATOR VALVE**
N.T.S.

| MINIMUM BEARING AREA (SQUARE FEET) | | | | | | | |
|---|---|---|---|---|---|---|---|
| FITTINGS PIPE SZ | BENDS | | | | CAPS & TEES | VALVES | REDUC. |
| | 90 ° | 45 ° | 22-1/2° | 11-1/4° | | | |
| 6" | 4 | 2 | 2 | 2 | 3 | 3 | 3 |
| 8" | 5 | 3 | 3 | 3 | 5 | 5 | 5 |
| 10" | 9 | 4 | 4 | 4 | 6 | 6 | 6 |
| 12" | 12 | 7 | 4 | 3 | 9 | 9 | 9 |

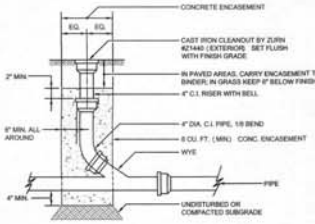
NOTE:
1. WIDTH & HEIGHT OF BEARING AREAS SHALL BE APPROX. THE SAME.
2. BEARING SHALL BE ON UNDISTURBED SOIL.



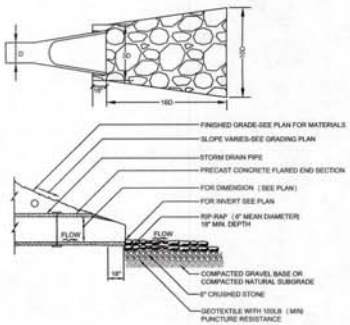

10 **THRUST BLOCKS - FORCE MAIN**
N.T.S.

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

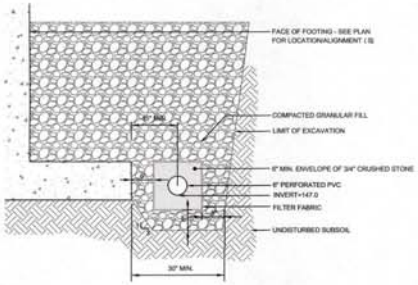
DATE: 8-26-2019



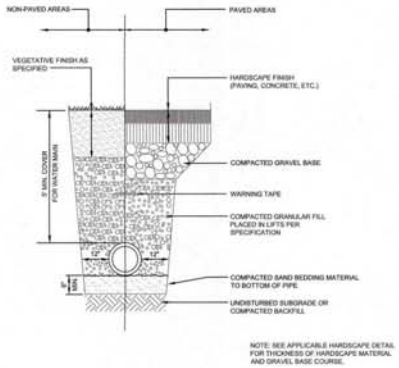

4 **CLEANOUT**
N.T.S.



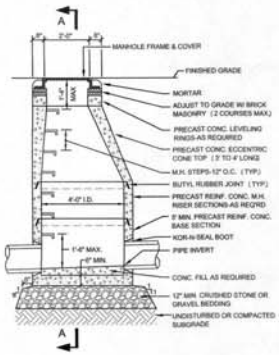

5 **FLARED END**
N.T.S.

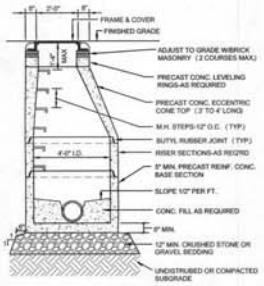



6 **FOUNDATION DRAIN**
N.T.S.



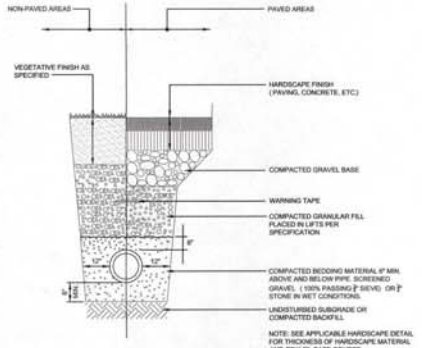

7 **TRENCH SECTION - WATER & ELEC / TELECOM**
N.T.S.



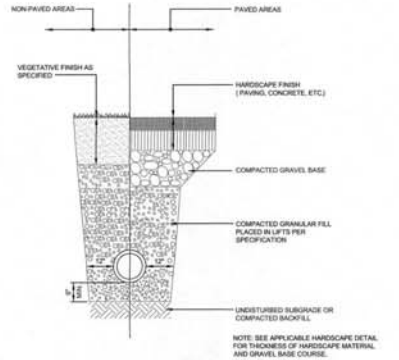




SECTION A

1 **STANDARD SEWER MANHOLE**
N.T.S.




2 **TRENCH SECTION - SEWER PIPE**
N.T.S.




3 **TRENCH SECTION - CPE DRAINS**
N.T.S.

TOWN OF MEDWAY

NEW DPW FACILITY

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|---|---|
| DATE | |
| SCALE | NTS |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

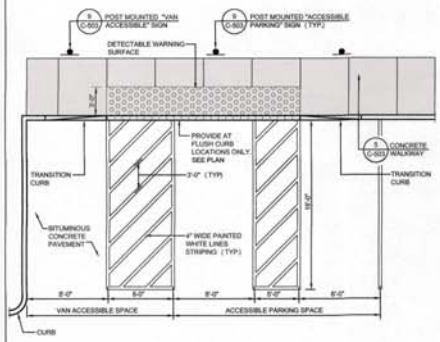
BUILDING:

SHEET TITLE:

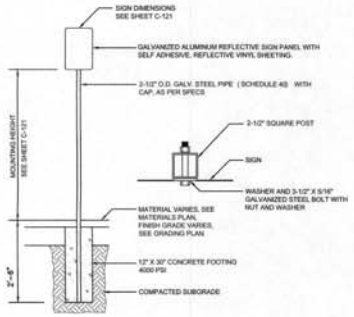
DETAILS II

DRAWING NO.
C-502

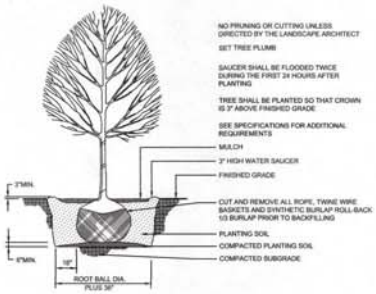
P:\2018\18043\BIM\cics\C-501 DETAILS.dwg 3/3/2019 1:38:32 PM




8 **ACCESSIBLE PARKING SPACES**
N.T.S.



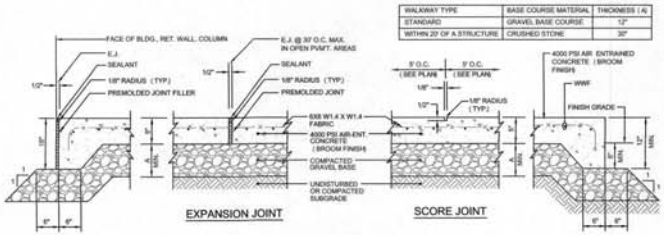

9 **PARKING SIGN**
N.T.S.




10 **DECIDUOUS TREE**
N.T.S.

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

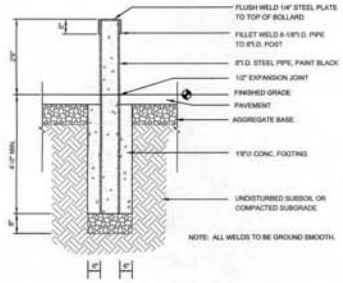
DATE: 3-26-2019



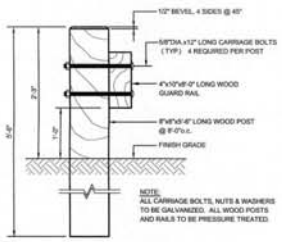

| WALKWAY TYPE | BASE COURSE MATERIAL | THICKNESS (A) |
|---|---|---|
| STANDARD | GRAVEL BASE COURSE | 12" |
| WITHIN 20' OF A STRUCTURE | CRUSHED STONE | 30" |

NOTES:
1. MAXIMUM CROSS SLOPE = 2%
2. MAXIMUM GRADIENT = 5%
3. PROVIDE EXPANSION JOINT AT FACE OF ABUTTING SLABS AND STRUCTURES.
4. PROVIDE VERTICAL GRANITE OR PRECAST CONCRETE CURBING PER SHEET C3.

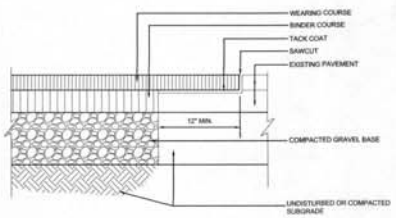
5 **CONCRETE WALKWAY**
N.T.S.




6 **STEEL BOLLARD**
N.T.S.

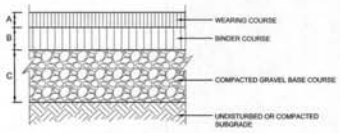



7 **WOOD GUARDRAIL**
N.T.S.



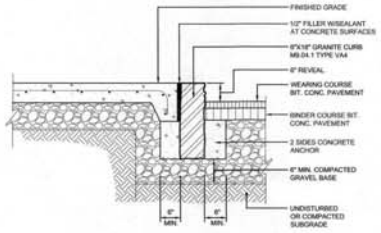

1 **BITUMINOUS CONCRETE AT EXISTING PAVEMENT**
N.T.S.

| | WEARING COURSE "A" | BINDER COURSE "B" | GRAVEL BASE "C" |
|---|---|---|---|
| STANDARD DUTY | 1½" | 2½" | 12" |
| HEAVY DUTY | 2" | 2½" | 18" |



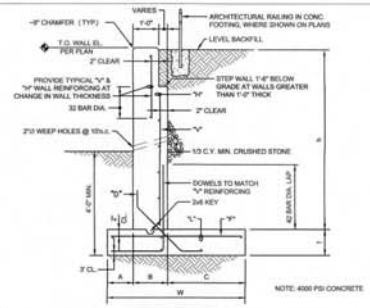

NOTE:
FOR BITUMINOUS CONCRETE SIDEWALK USE 8" OF COMPACTED GRAVEL BASE.

2 **BITUMINOUS CONCRETE PAVEMENT**
N.T.S.




NOTE:
WHEN VERTICAL GRANITE CURB IS TO BE INSTALLED ADJACENT TO EXISTING PAVEMENT, CONTRACTOR SHALL SAWCUT THE EXISTING PAVEMENT.

3 **VERTICAL GRANITE CURB**
N.T.S.




| RETAINING WALL TYPE "A" | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| DIMENSIONS | | | | | | REINFORCING | | | | | |
| h | A | B | C | W | I | V | H | F | L | D | |
| 6' ≤ | 8" | 1'-0" | 2'-6" | 4'-2" | 1'-0" | #5@12" | #5@10" | #5@12" | 5-#5 | #4@12" | |
| 6' TO 12' | 1'-8" | 1'-0" | 5'-6" | 8'-8" | 1'-3" | #6@9" | #6@12" | #6@9" | 9-#5 | #4@8" | |

NOTE: IN-BETWEEN DIMENSIONS MUST ALWAYS BE ROUNDED UP.

4 **CONCRETE RETAINING WALL**
N.T.S.

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL Architects, Inc.
61 Skyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
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CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

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| | 02/13/19 | REVISED PER PEER REVIEW COMMENTS REISSUED TO C.C. |
| | 01/31/19 | REVISED AND REISSUED FOR AMENDED NOI |
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| | 01/07/19 | ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW |
| | 12/27/18 | ISSUED FOR NOTICE OF INTENT |
| | 12/20/18 | ISSUED FOR SITE PLAN REVIEW |

| | |
|---|---|
| DATE | |
| SCALE | NTS |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

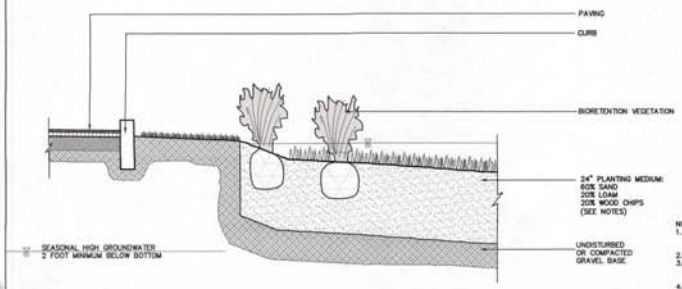
BUILDING:

SHEET TITLE:

DETAILS III

DRAWING NO.
C-503

P:\2018\18043\BIM\cks\C-501 DETAILS.dwg 3/3/2019 1:39:10 PM

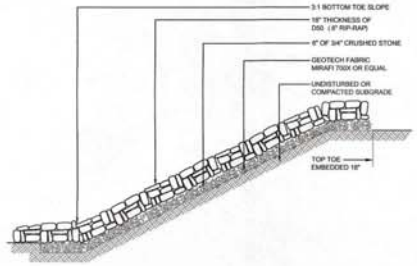



NOTES:
1. THE SOIL MIX MUST BE UNIFORM, FREE OF STONES, STUMPS, ROOTS OR SIMILAR OBJECTS LARGER THAN 2 INCHES. CLAY CONTENT IS NOT TO EXCEED 5%.
2. SOIL pH IS TO BE BETWEEN 5.5 – 6.5.
3. SOILS ARE TO HAVE AN ORGANIC CONTENT OF 1.5% TO 3%. THE MAXIMUM SOLUBLE SALTS IS NOT TO EXCEED 500–PPM.
4. THE SAND COMPONENT IS TO BE GRAVELLY SAND THAT MEETS ASTM D 422

| SIEVE SIZE | PERCENT PASSING |
|---|---|
| 2–INCH | 100 |
| 3/4–INCH | 70–100 |
| 1/4–INCH | 50–80 |
| U.S. NO. 40 | 15–40 |
| U.S. NO. 200 | 0–3 |

5. TOPSOIL COMPONENT IS TO BE A SANDY LOAM, LOAMY SAND OR LOAM TEXTURE.
6. ON–SITE SOIL MIXING OR PLACEMENT IS NOT ALLOWED IF SOIL IS SATURATED OR SUBJECT TO WATER WITHIN 48 HOURS. COVER AND STORE SOIL TO PREVENT WETTING OR SATURATION.
7. PLANT WITH GRASS–WETLAND MIX.
8. INSTALL FILTER FABRIC ON SIDES OF MEDIUM.

6 **BIORETENTION CELL TYPICAL SECTION**
N.T.S.

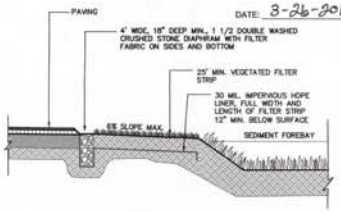



7 **DUMPED RIP RAP SLOPE**
N.T.S.

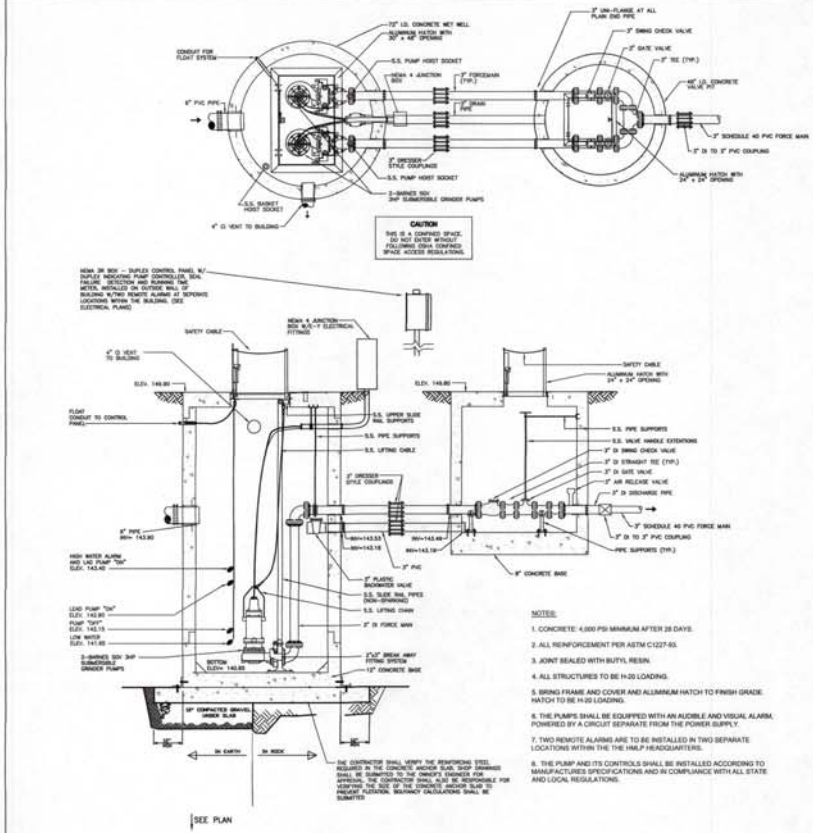
NOTE: FOR SLOPES GREATER THAN 2:1 TO MAXIMUM 1:1

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019




8 **SECTION THROUGH FILTER STRIP AT SEDIMENT FOREBAY**
N.T.S.

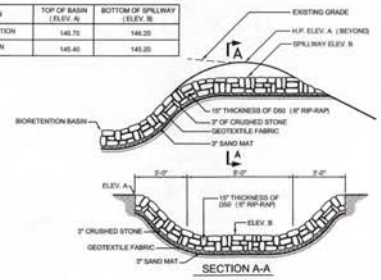



NOTES:
1. CONCRETE: 4,000 PSI MINIMUM AFTER 28 DAYS.
2. ALL REINFORCEMENT PER ASTM C1227-93.
3. JOINT SEALED WITH BUTYL RESIN.
4. ALL STRUCTURES TO BE H-20 LOADING.
5. BRING FRAME AND COVER AND ALUMINUM HATCH TO FINISH GRADE. HATCH TO BE H-20 LOADING.
6. THE PUMPS SHALL BE EQUIPPED WITH AN AUDIBLE AND VISUAL ALARM, POWERED BY A CIRCUIT SEPARATE FROM THE POWER SUPPLY.
7. TWO REMOTE ALARMS ARE TO BE INSTALLED IN TWO SEPARATE LOCATIONS WITHIN THE THE HMLP HEADQUARTERS.
8. THE PUMP AND ITS CONTROLS SHALL BE INSTALLED ACCORDING TO MANUFACTURES SPECIFICATIONS AND IN COMPLIANCE WITH ALL STATE AND LOCAL REGULATIONS.

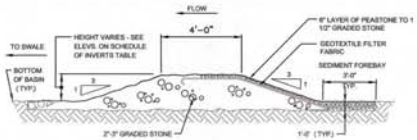
THE CONTRACTOR SHALL VERIFY THE REINFORCING STEEL REQUIRED IN THE CONCRETE ANCHOR SLAB. SHOP DRAWINGS SHALL BE SUBMITTED TO THE OWNER'S ENGINEER FOR APPROVAL. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR VERIFYING THE SIZE OF THE CONCRETE ANCHOR SLAB TO PREVENT FLOTATION. BOUYANCY CALCULATIONS SHALL BE SUBMITTED.

1 **PUMP CHAMBER WITH VALVE PIT**
N.T.S.

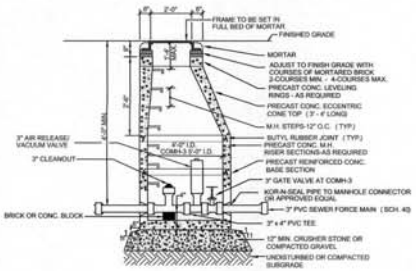
| BASIN | TOP OF BASIN (ELEV. A) | BOTTOM OF SPILLWAY (ELEV. B) |
|---|---|---|
| BIORETENTION | 148.70 | 148.20 |
| DETENTION | 145.40 | 145.20 |




4 **BIORETENTION BASIN SPILLWAY OUTLET**
N.T.S.

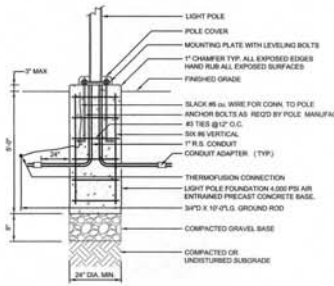



5 **SECTION THROUGH FILTER BERM**
N.T.S.




NOTE:
1. STRUCTURE ADEQUATE FOR H-20 LOADING.

2 **CLEAN OUT SEWER MANHOLE**
N.T.S.




3 **LIGHTPOLE BASE IN LAWN AREAS**
N.T.S.

THE TOWN OF MEDWAY · MASSACHUSETTS · INCORPORATED OCT 25 1775

# TOWN OF MEDWAY

## NEW DPW FACILITY

OWNER:
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155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL
Architects, Inc.
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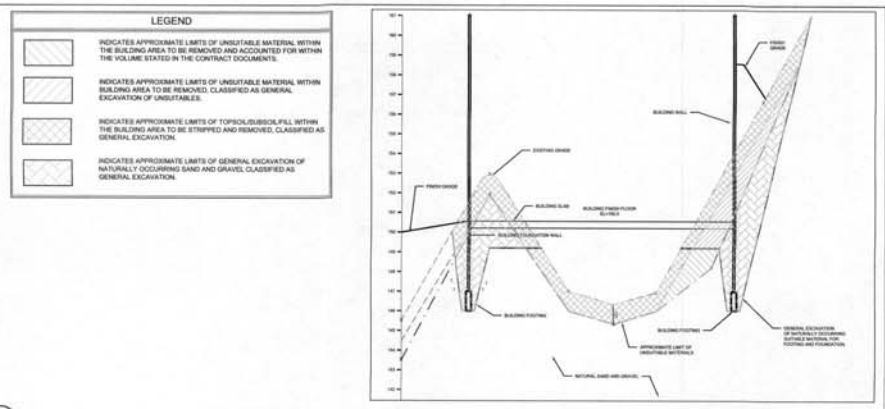
|---|---|
| DATE | |
| SCALE | NTS |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:

DETAILS IV

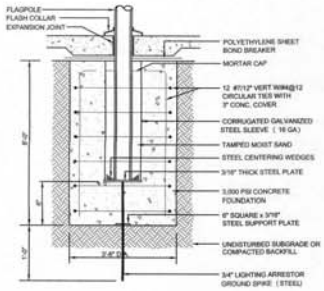
DRAWING NO.
C-504



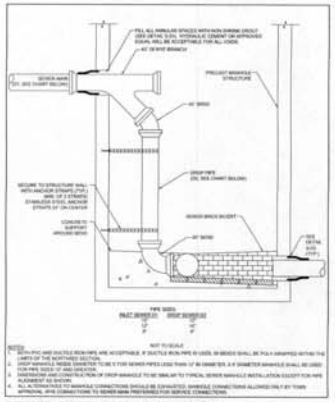

8 SECTION A-A THROUGH BUILDING SHOWING EXCAVATION LIMITS OF UNSUITABLES
SCALES: HORIZONTAL 1"=30'
VERTICAL 1"=3

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

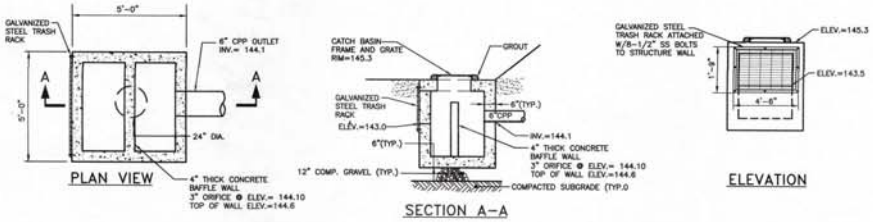
DATE: 3-26-2019



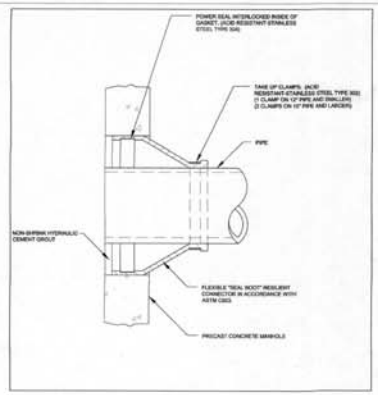

5 FLAGPLOLE FOUNDATION
N.T.S.



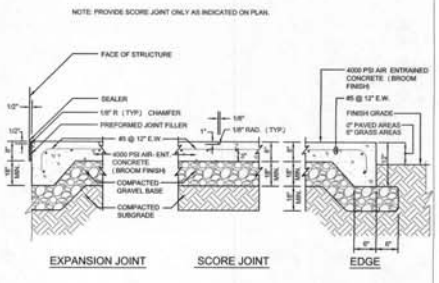
6 SEWER DROP MANHOLE (INSIDE)
N.T.S.



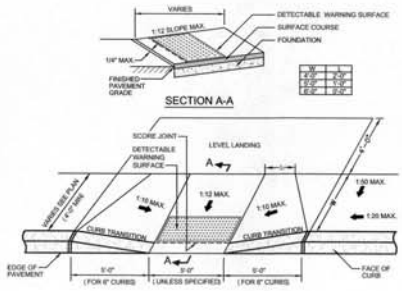

7 OUTLET CONTROL STRUCTURE



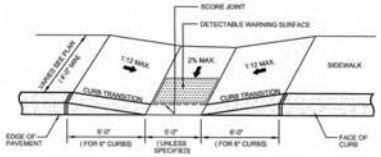

1 MANHOLE SEAL
N.T.S.




2 CONCRETE EQUIPMENT PAD
N.T.S.




3 ACCESSIBLE CURB CUT (TYPE 1)
N.T.S.




4 ACCESSIBLE CURB CUT (TYPE 2)
N.T.S.

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL
Architects, Inc.
61 Sheffield Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
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MECHANICAL ENGINEER:
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22 WEST STREET, UNIT C
MILLBURY, MA 01527

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379 LIBERTY STREET
ROCKLAND, MA 02370

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| | |
|---|---|
| DATE | |
| SCALE | NTS |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:

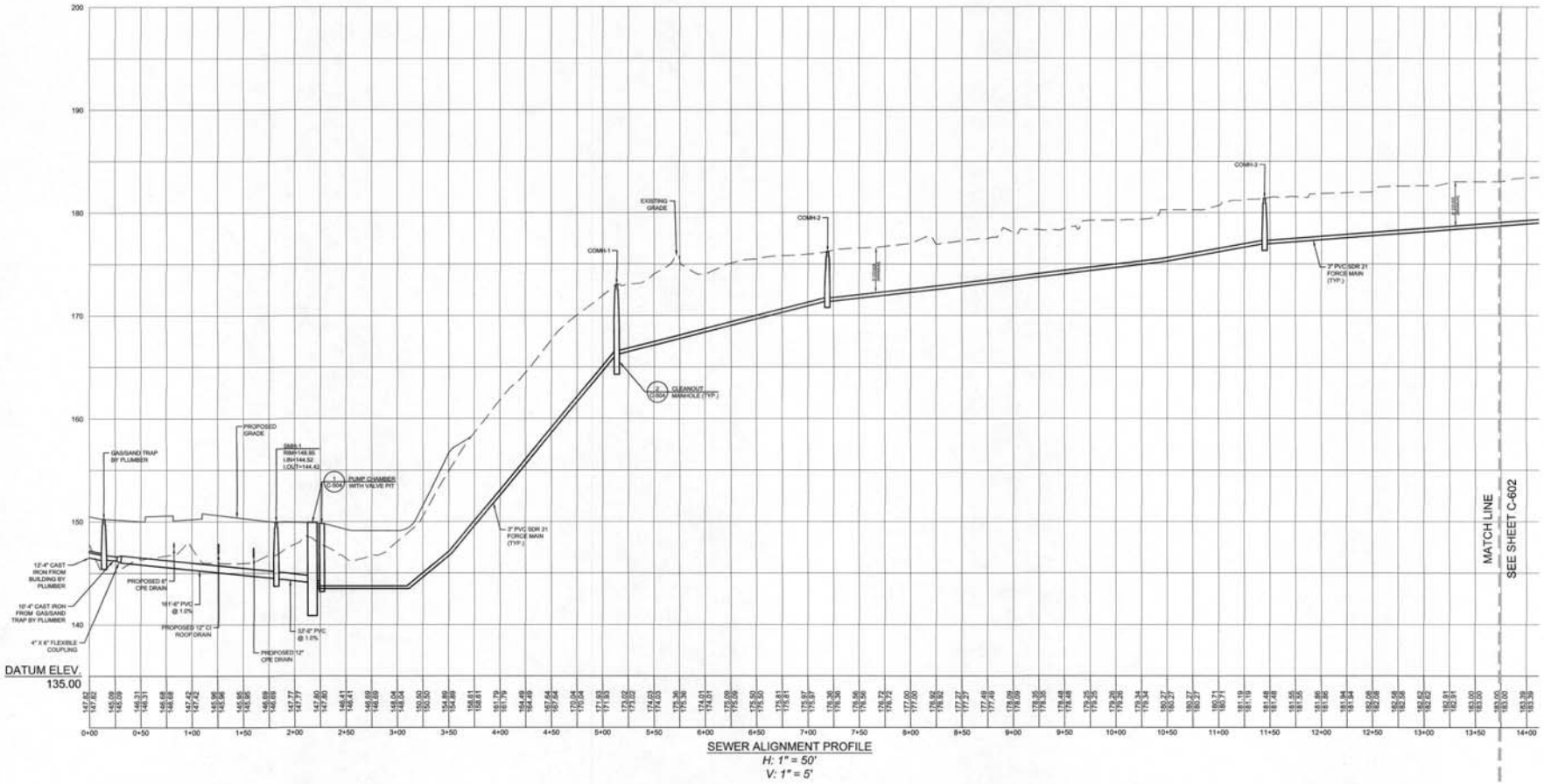
DETAILS V

DRAWING NO.
C-505

P:\2018\18043\BIM\clcs\C-501 DETAILS.dwg 3/3/2019 1:41:12 PM

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019




SEWER ALIGNMENT PROFILE
*H: 1" = 50'*
*V: 1" = 5'*

P:\2018\18043\BM\civil\C-601 SEWER PROFILE.dwg 3/3/2019 1:42:00 PM

# TOWN OF MEDWAY

## NEW DPW FACILITY

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155 VILLAGE STREET
MEDWAY, MA 02053

**ARCHITECT:**
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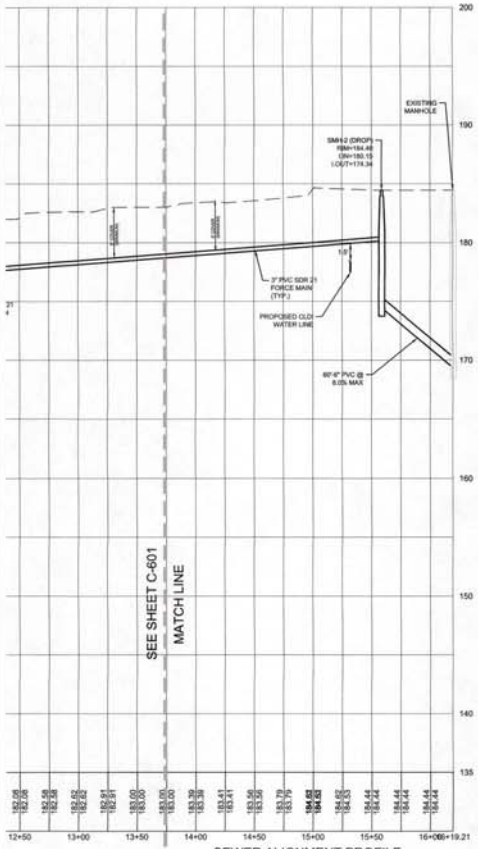
| DATE | |
| SCALE | VARIES |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:
SEWER PROFILE I

DRAWING NO.
C-601




SEWER ALIGNMENT PROFILE

*H: 1" = 50'*

*V: 1" = 5'*

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

THE TOWN OF MEDWAY · MASSACHUSETTS · INCORPORATED OCT. 25 1775

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| SCALE | VARIES |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:

SEWER PROFILE II

DRAWING NO.

C-602

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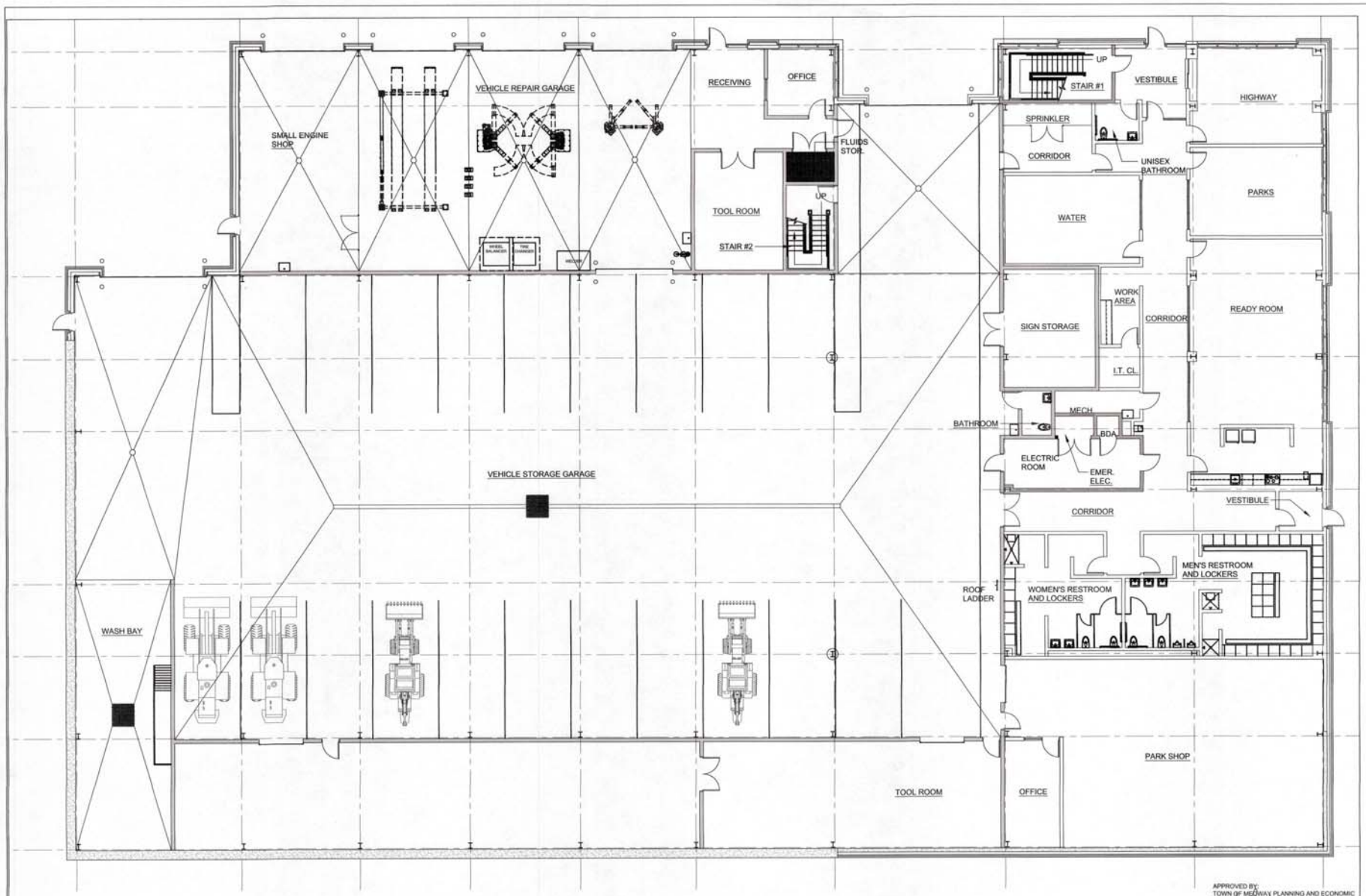


1 FIRST FLOOR PLAN
SCALE: 1/8"=1'-0"

N

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

THE TOWN OF MEDWAY · MASSACHUSETTS · INCORPORATED OCT 25 1713

# TOWN OF MEDWAY

## NEW DPW FACILITY

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| | 11/28/18 | ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW |
| | 11/08/18 | ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD |

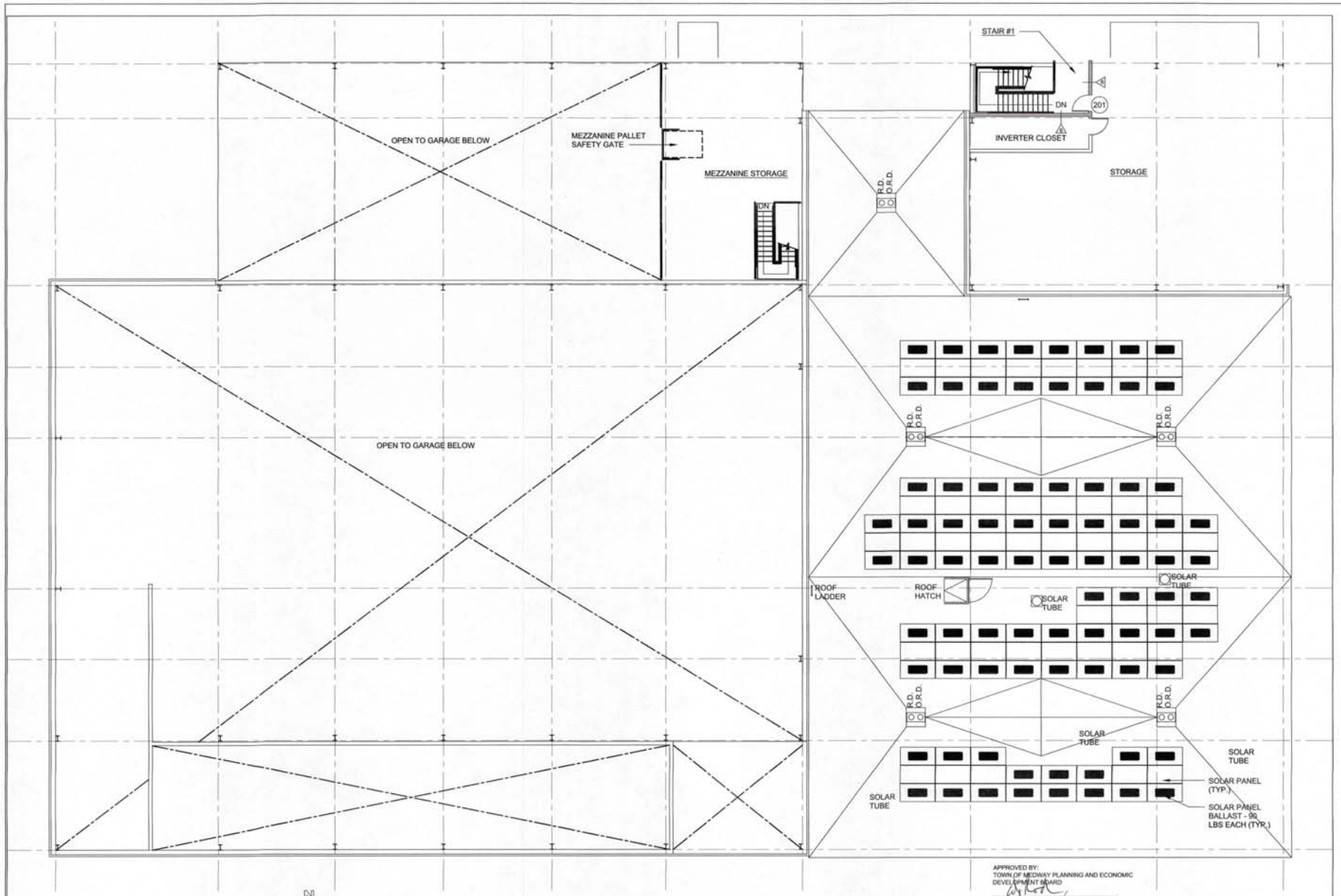
| | |
|---|---|
| DATE | |
| SCALE | 1/8" = 1'-0" |
| DRAWN BY | MTV |
| CHECKED BY | GKY |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:

FIRST FLOOR PLAN

DRAWING NO.
A-101




1 SECOND FLOOR PLAN
SCALE: 1/8"=1'-0"

N

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE · KARL
Architects, Inc.
61 Sheffields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
SYMMES, MAINI & McKEE ASSOCIATES
1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
SEAMAN ENGINEERING CORP.
22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

| REV | DATE | DESCRIPTION |
|---|---|---|
| | 03/06/19 | ISSUED FOR P&ED BOARD ENDORSEMENT |
| | 01/31/19 | REVISED AND REISSUED FOR SITE PLAN REVIEW |
| | 12/20/18 | ISSUED FOR SITE PLAN REVIEW |
| | 11/28/18 | ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW |
| | 11/08/18 | ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD |

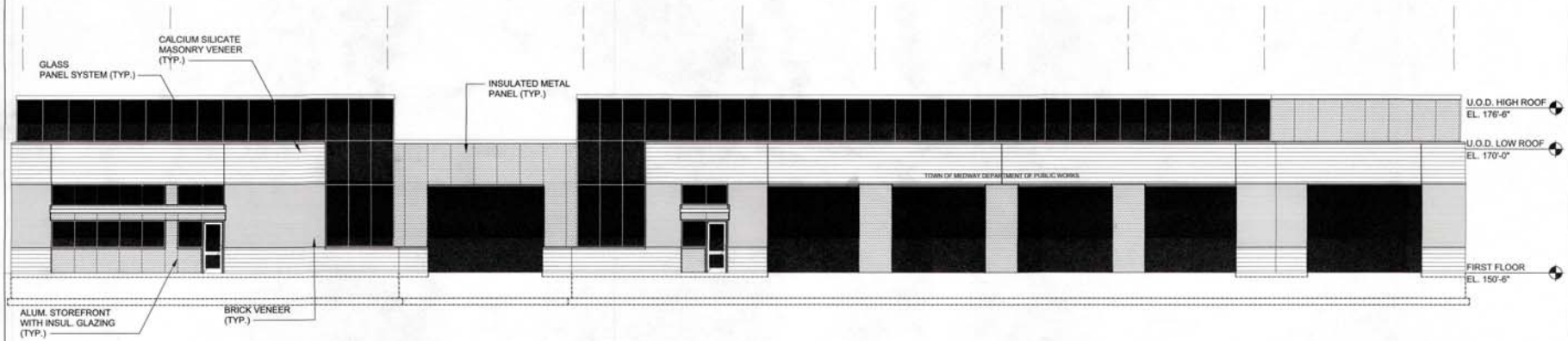
| | |
|---|---|
| DATE | |
| SCALE | 1/8" = 1'-0" |
| DRAWN BY | MTV |
| CHECKED BY | GKY |
| PROJECT NO. | 18043.00 |

BUILDING:

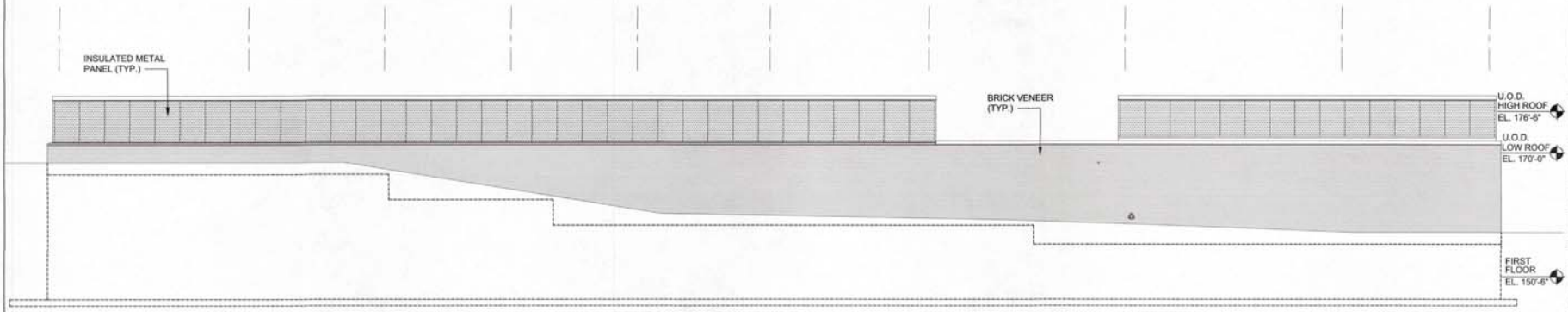
SHEET TITLE:

A-102

DRAWING NO.
SECOND FLOOR AND LOWER ROOF PLAN




1 NORTH ELEVATION
SCALE: 1/8"=1'-0"




2 SOUTH ELEVATION
SCALE: 1/8"=1'-0"

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

# TOWN OF MEDWAY

## NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
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SYMMES, MAINI & McKEE ASSOCIATES
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CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
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CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
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MILLBURY, MA 01527

ELECTRICAL ENGINEER:
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379 LIBERTY STREET
ROCKLAND, MA 02370

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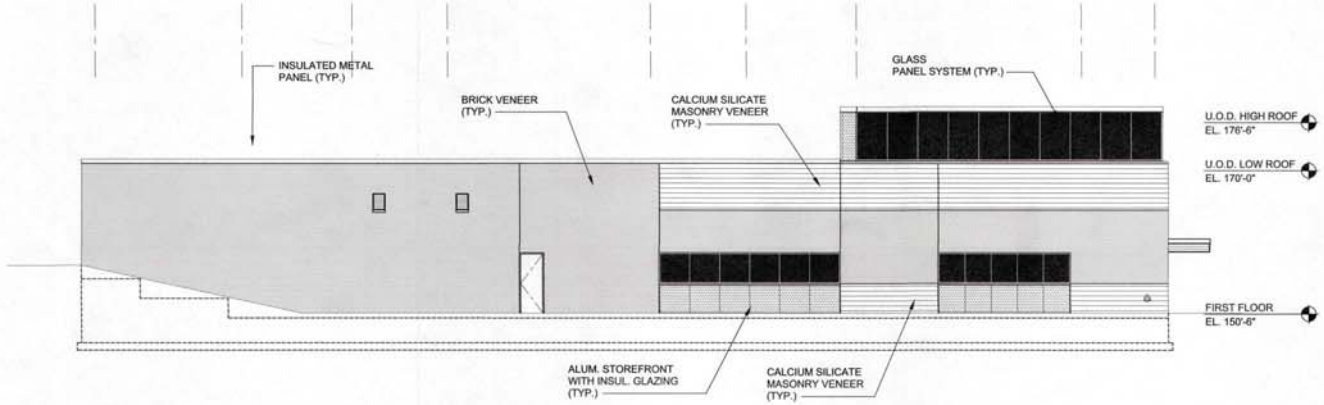
|---|---|
| DATE | |
| SCALE | 1/8" = 1'-0" |
| DRAWN BY | MTV |
| CHECKED BY | GKY |
| PROJECT NO. | 18043.00 |

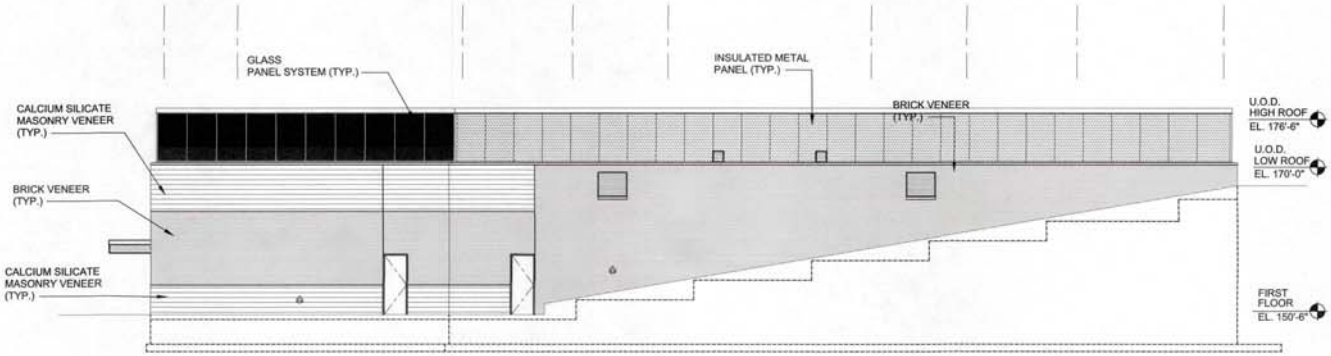
BUILDING:

SHEET TITLE:
EXTERIOR ELEVATIONS SHEET 1

DRAWING NO.
A-301




3 EAST ELEVATION
SCALE: 1/8"=1'-0"




4 WEST ELEVATION
SCALE: 1/8"=1'-0"

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

# TOWN OF MEDWAY

## NEW DPW FACILITY

OWNER:
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155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
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Architects, Inc.
61 Sleyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
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STRUCTURAL ENGINEER:
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CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
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MILLBURY, MA 01527

ELECTRICAL ENGINEER:
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379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

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|---|---|---|
| | 03/06/19 | ISSUED FOR P&ED BOARD ENDORSEMENT |
| | 01/31/19 | REVISED AND REISSUED FOR SITE PLAN REVIEW |
| | 12/20/18 | ISSUED FOR SITE PLAN REVIEW |
| | 11/28/18 | ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW |
| | 11/08/18 | ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD |

| | |
|---|---|
| DATE | |
| SCALE | 1/8" = 1'-0" |
| DRAWN BY | MTV |
| CHECKED BY | GKY |
| PROJECT NO. | 18043.00 |

BUILDING:

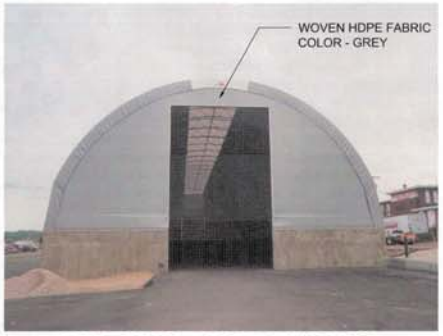
SHEET TITLE:
EXTERIOR ELEVATIONS SHEET 2

DRAWING NO.
A-302

MEDWAY DPS BUILDING - RENDERING 1

MATERIAL STORAGE BUILDING

MEDWAY DPS BUILDING - RENDERING 2




SALT STORAGE BUILDING
FRONT VIEW

SALT STORAGE BUILDING
REAR VIEW

MEDWAY DPS BUILDING - RENDERING 3

SALT STORAGE BUILDING
INTERNAL VIEW

SOLAR CANOPY AT
TRUCK PARKING

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-26-2019

TOWN OF MEDWAY

NEW DPW FACILITY

OWNER:
TOWN OF MEDWAY
155 VILLAGE STREET
MEDWAY, MA 02053

ARCHITECT:
HELENE·KARL
Architects, Inc.
61 Blyfields Drive, Groton, Massachusetts 01450

CIVIL ENGINEER:
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1000 MASSACHUSETTS AVENUE
CAMBRIDGE, MA 02138

STRUCTURAL ENGINEER:
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CAMBRIDGE, MA 02138

MECHANICAL ENGINEER:
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22 WEST STREET, UNIT C
MILLBURY, MA 01527

ELECTRICAL ENGINEER:
JOHN J. MURPHY, JR. ELECTRICAL CONSTRUCTION AND ENGINEERING, INC.
379 LIBERTY STREET
ROCKLAND, MA 02370

STAMP

| REV | DATE | DESCRIPTION |
|---|---|---|
| | 01/31/19 | ISSUED FOR SITE PLAN REVIEW |
| | 12/20/18 | ISSUED FOR SITE PLAN REVIEW |
| | 11/28/18 | ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW |
| | 11/08/18 | ISSUED FOR PRE-APPLICATION MEETING W/PLANNING BOARD |

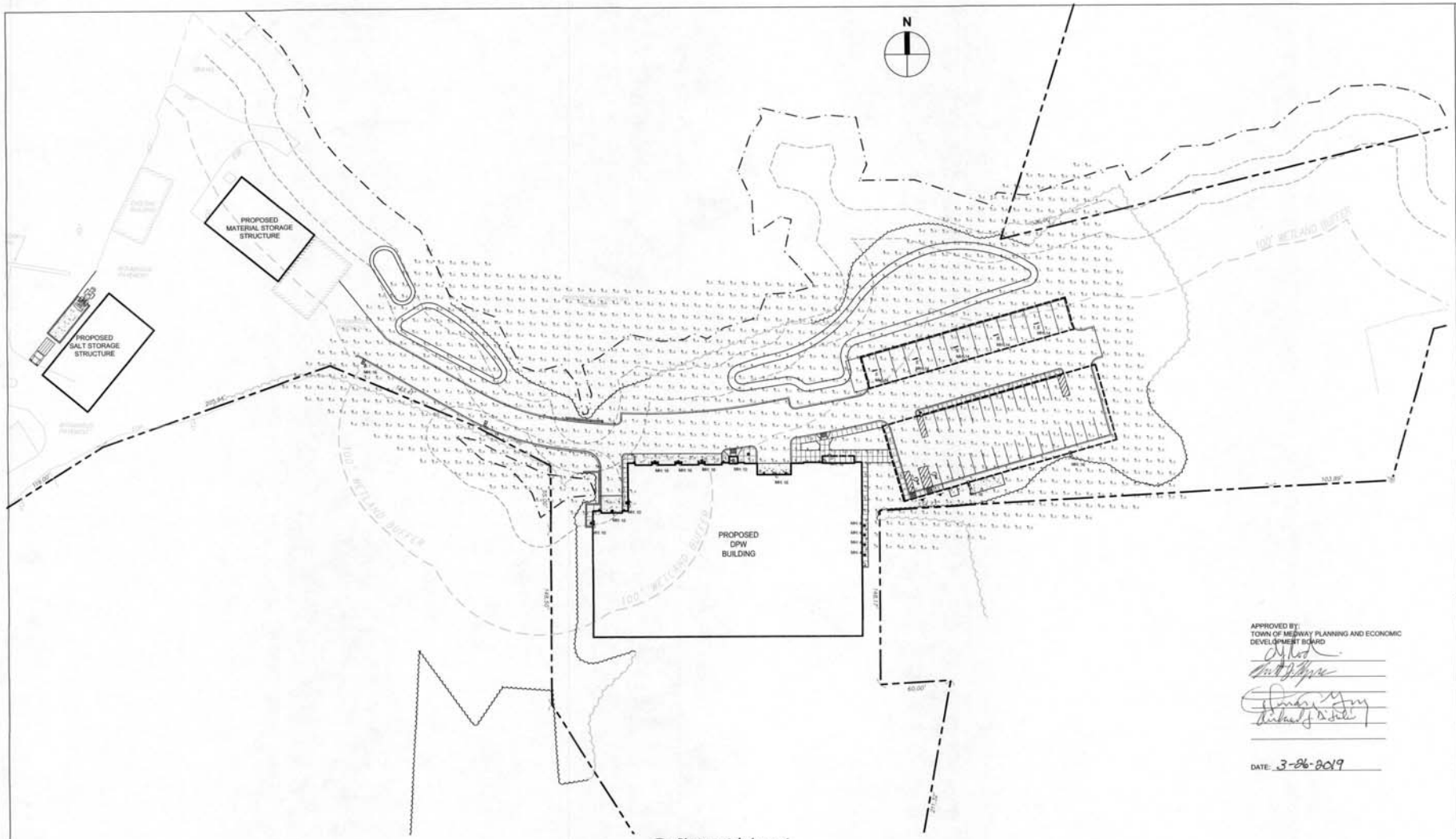
| | |
|---|---|
| DATE | |
| SCALE | NTS |
| DRAWN BY | MTV |
| CHECKED BY | GKY |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:

RENDERINGS

DRAWING NO.
A-303




1 **Photometric Layout**
SCALE: 1"=30'-0"

| Luminaire Schedule | | | | | | |
|---|---|---|---|---|---|---|
| Symbol | Qty | Label | Description | LLF | Lum. Lumens | Lum. Watts |
| | 2 | A | XTRALIGHT VNTLEDM022004SNDIM510XXBZHOHS | 0.850 | 15013 | 218.3 |
| | 2 | B | XTRALIGHT VNTLEDM021003MNDIM510XXBZHOHS | 0.850 | 9174 | 104.6 |
| | 5 | C | XTRALIGHT VNTW-8000L-40K-DIM-45-BZ | 0.850 | 8498 | 79.6 |
| | 5 | D | XTRALIGHT VNTW-3500L-50K-DIM-3M-BZ | 0.850 | 3452 | 27.9 |
| | 5 | E | XTRALIGHT VTE4-5000L-40K-DIM-SFA | 0.850 | 5268 | 44.4 |
| | 4 | F | LUMASCAPE LS201LED-BH6-NARROW BEAM-23-CB- DIM TO 10% | 0.850 | 403 | 6.0 |

| Calculation Summary | | | | | | | |
|---|---|---|---|---|---|---|---|
| Label | CalcType | Units | Avg | Max | Min | Avg/Min | Max/Min |
| Site Points | Illuminance | Fc | 0.67 | 8.8 | 0.0 | N.A. | N.A. |

ABBREVIATIONS:

Avg= Average
AFG= Above Finished Grade
CF = Compact Fluorescent
CV= Coefficient of variation
fc = Footcandles
HPS = High Pressure Sodium
LLF= Light Loss Factor
MH = Mounting Height
NTS = Not to Scale
PSMH = Pulse Start Metal Halide
SF = Square foot
W = Watts

NOTES:

A. CALCULATION POINTS INDICATED ARE BASED ON MAINTAINED FOOTCANDLE (FC) LEVELS AFTER A LIGHT LOSS FACTOR (LLF) IS APPLIED TO FIXTURE. REFER TO SCHEDULES FOR LLF AND LUMEN INFORMATION.
B. REFER TO PLAN FOR FIXTURE MOUNTING HEIGHTS.
C. CALCULATION POINTS TAKEN AT GRADE.

GRAPHIC SCALE
( IN FEET )
1 inch = 40 ft.

APPROVED BY:
TOWN OF MEDWAY PLANNING AND ECONOMIC DEVELOPMENT BOARD

DATE: 3-06-2019

THE TOWN OF MEDWAY · MASSACHUSETTS · INCORPORATED OCT. 25 1713

# TOWN OF MEDWAY

## NEW DPW FACILITY

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ROCKLAND, MA 02370

STAMP

| REV | DATE | DESCRIPTION |
|---|---|---|
| | 03/06/19 | ISSUED FOR PB&ED BOARD ENDORSEMENT |
| | 02/13/19 | REVISED PER PEER REVIEW COMMENTS REISSUED TO C.C. |
| | 01/31/19 | REVISED AND REISSUED FOR AMENDED NOI |
| | 01/31/19 | REVISED AND REISSUED FOR SITE PLAN REVIEW |
| | 01/07/19 | ISSUED FOR DESIGN REVIEW COMMITTEE REVIEW |
| | 12/27/18 | ISSUED FOR NOTICE OF INTENT |
| | 12/20/18 | ISSUED FOR SITE PLAN REVIEW |

| | |
|---|---|
| DATE | |
| SCALE | 1" = 40' |
| DRAWN BY | ACO |
| CHECKED BY | PSG |
| PROJECT NO. | 18043.00 |

BUILDING:

SHEET TITLE:

LIGHTING, LAYOUT & SCHEDULES

DRAWING NO.
SL-1