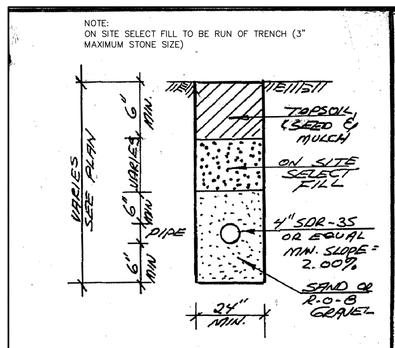
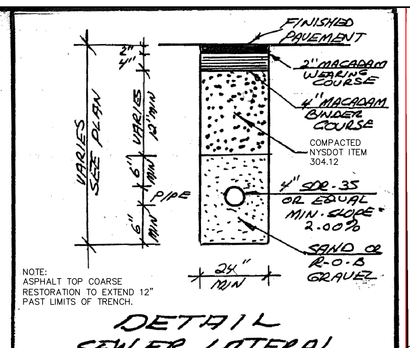
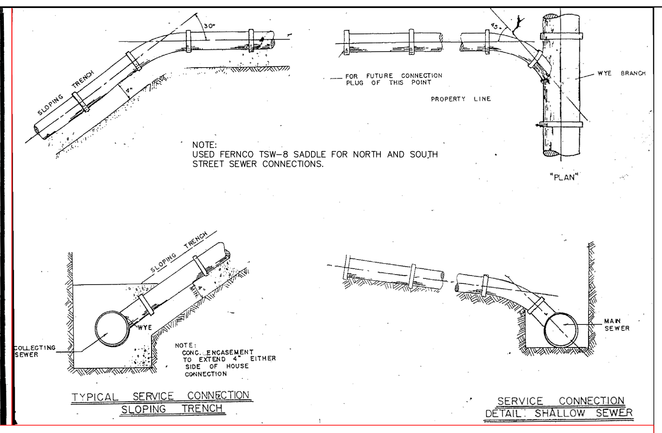


DETAIL
SEWER LATERAL
"LAWN AREA"
N.T.S.

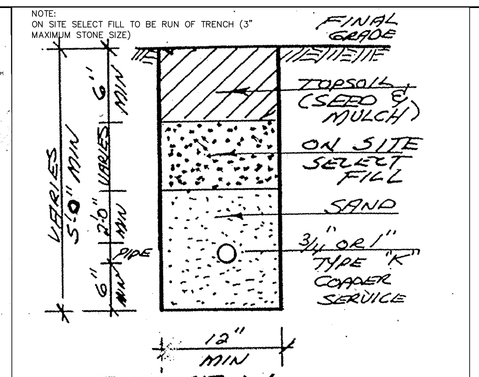


DETAIL
SEWER LATERAL
"UNDER PAVEMENT"
N.T.S.

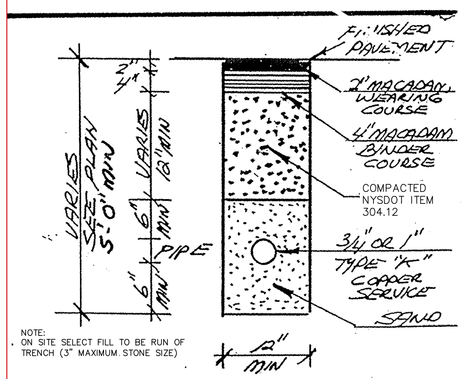


TYPICAL SERVICE CONNECTION SLOPING TRENCH

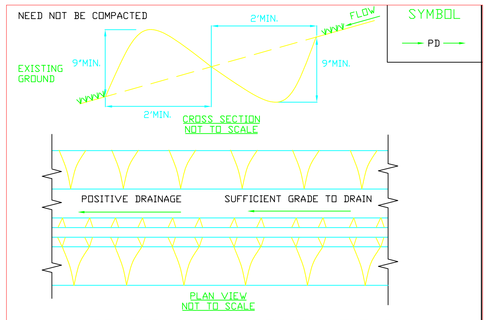
SERVICE CONNECTION DETAIL SHALLOW SEWER



DETAIL
WATER SERVICE
"LAWN AREA"



DETAIL
WATER SERVICE
"UNDER PAVEMENT"
N.T.S.



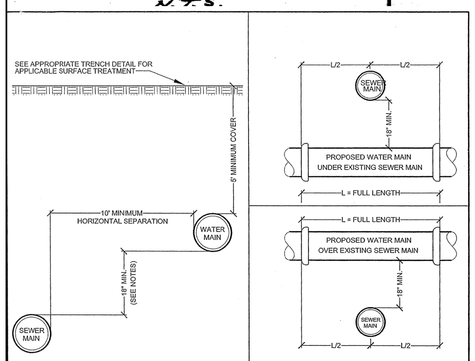
CONSTRUCTION SPECIFICATIONS

1. ALL PERIMETER DIKE/SWALE SHALL HAVE UNINTERRUPTED POSITIVE GRADE TO AN OUTLET.
2. DIVERTED RUNOFF FROM A DISTURBED AREA SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE.
3. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSION VELOCITY.
4. THE SWALE SHALL BE EXCAVATED OR SHAPED TO LINE GRADE, AND CROSS SECTION AS REQUIRED TO MEET THE CRITERIA SPECIFIED IN THE STANDARD.
5. STABILIZATION OF THE AREA DISTURBED BY THE DIKE AND SWALE SHALL BE DONE IN ACCORDANCE WITH THE STANDARD AND SPECIFICATIONS FOR TEMPORARY SEEDING AND MULCHING, AND SHALL BE DONE WITHIN 10 DAYS.
6. PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

MAX. DRAINAGE AREA LIMIT: 2 ACRES

ADAPTED FROM DETAILS PROVIDED BY: USDA – NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

PERIMETER DIKE OR SWALE



NOTES: (HORIZONTAL SEPARATION)

PROPOSED WATER MAINS SHALL BE LAID AT LEAST 10 FEET HORIZONTALLY FROM ANY EXISTING OR PROPOSED SEWER OR DRAIN LINES. SHOULD LOCAL CONDITIONS PREVENT A LATERAL SEPARATION OF 10 FEET, A WATER MAIN MAY BE LAID CLOSER THAN 10 FEET TO A SEWER IF:

1) IT IS LAID IN A SEPARATE TRENCH, AND THE ELEVATION OF THE CROWN OF THE SEWER IS AT LEAST 18" BELOW THE BOTTOM OF THE WATER MAIN, OR
2) IT IS LAID IN THE SAME TRENCH WITH THE WATER MAIN LOCATED AT ONE SIDE ON A BENCH OF UNDISTURBED EARTH, AND THE ELEVATION OF THE CROWN OF THE SEWER IS AT LEAST 18" BELOW THE BOTTOM OF THE WATER MAIN.

NOTE: SEE APPROPRIATE DETAILS HEREIN FOR PROPOSED WATER MAIN BENCHED ABOVE EXISTING SEWER MAINS, AND FOR VERTICAL SEPARATIONS WHERE PROPOSED WATER MAINS CROSS EXISTING SEWER MAINS.

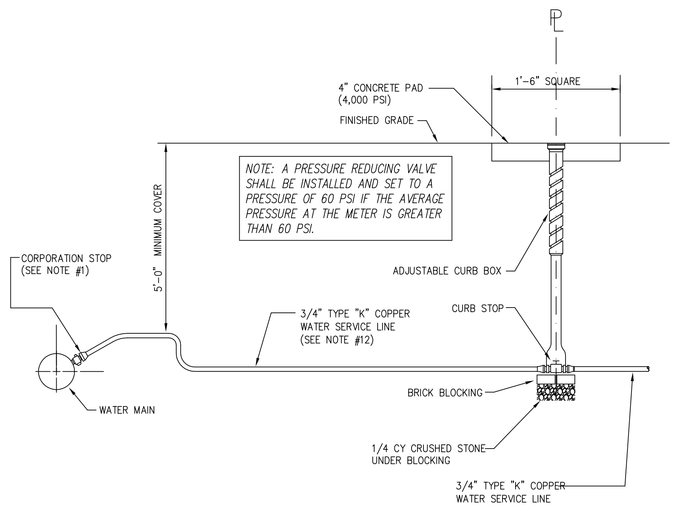
NOTES: (VERTICAL SEPARATION & CROSSINGS)

1) NORMAL CONDITIONS: WHENEVER A WATER MAIN MUST CROSS OVER OR UNDER A SEWER MAIN, THE PIPES SHALL BE LAID TO PROVIDE A MINIMUM VERTICAL SEPARATION BETWEEN THEM OF AT LEAST 18 INCHES, AS MEASURED FROM THE BOTTOM OF THE HIGHER PIPE TO THE CROWN OF THE LOWER PIPE.

2) WATER MAIN CROSSING UNDER SEWER MAIN:
a. VERTICAL SEPARATION OF 18 INCHES MUST BE PROVIDED.
b. ADEQUATE STRUCTURAL SUPPORT MUST BE PROVIDED FOR THE SEWER MAIN TO PREVENT EXCESSIVE DEFLECTION OF JOINTS AND SETTLING.
c. A FULL LENGTH OF WATER MAIN PIPE MUST BE CENTERED AT THE POINT OF CROSSING. NO JOINTS WILL BE PERMITTED AT THE POINT OF CROSSING.
d. AT THE DISCRETION OF THE ENGINEER, THE SEWER MAINS SHALL BE RE-CONSTRUCTED OF MATERIALS AND WITH JOINTS EQUIVALENT TO WATER MAIN STANDARDS AND PRESSURE TESTED TO ASSURE WATER TIGHTNESS PRIOR TO BACKFILLING.

HORIZONTAL SEPARATIONS, AND WATER/SEWER MAIN CROSSINGS

WATER/SEWER SEPARATION DETAIL
NO SCALE

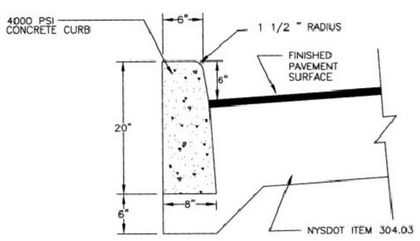


NOTES:

1. INSTALLATION OF CORPORATION STOPS SHALL CONNECT TO THE MAIN AT THE 2 O'CLOCK POSITION
2. SERVICE LINE SHALL HAVE NO JOINTS BETWEEN THE WATER MAIN AND CURB BOX.
3. SERVICE TAPS SHALL BE MANUFACTURED BY MUELLER
4. BACKFILLING SHALL CONFORM TO A.W.W.A. STANDARDS.
5. SERVICE LINES SHALL BE 3/4" ø K-COPPER, CONFORMING TO A.S.T.M. B88 OR AS OTHERWISE NOTED.
6. A GOOSE NECK SHALL BE PROVIDED.
7. CURB BOXES SHALL HAVE FOOTINGS AND FOOT PIECES.
8. VALVES AND FITTINGS SHALL BE MANUFACTURED BY MUELLER.
9. SERVICE LINES TO BE DISINFECTED IN ACCORDANCE WITH A.W.W.A. 651.
10. SERVICE LINES SHALL BE VISIBLY TESTED FOR LEAKS PRIOR TO BACKFILLING ENTIRE PIPE. ALL FITTINGS SHALL BE CHECKED.
11. A WATER METER ACUIRED FROM THE CITY OF BEACON WATER DEPARTMENTSHALL BE INSTALLED.
12. NO FITTINGS SHALL BE INSTALLED BETWEEN THE CORPORATION COCK AND THE CURB VALVE.
13. ALL FITTINGS AND VALVES TO BE COMPRESSION FITTINGS.

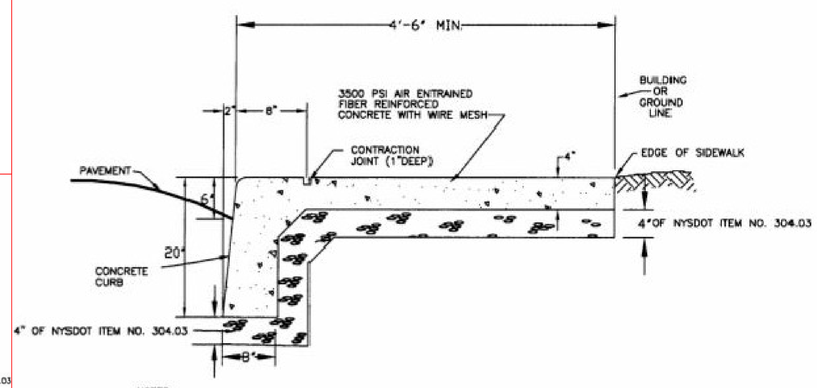
WATER SERVICE DETAIL

NOT TO SCALE



NOTE:
CURB SHALL BE CAST IN PLACE. EXPANSION JOINTS OF 1/2" CELLULOSE OR SIMILAR MATERIAL SHALL BE PLACED AT TEN FOOT INTERVALS.

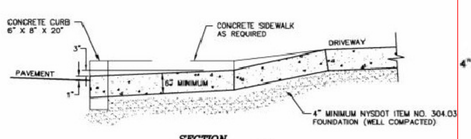
CONCRETE CURB
NOT TO SCALE



NOTES:

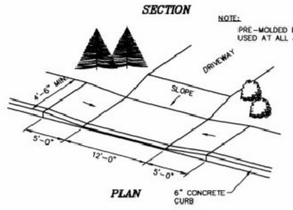
1. EXPANSION JOINTS OF 3/16" CELLULOSE OR SIMILAR APPROVED MATERIAL SHALL BE PLACED AT 10' INTERVALS
2. CONTRACTION JOINTS 1" DEEP HAVING 1/4" RADIUS EDGES SHALL BE PLACED AT 5'-0" INTERVALS IN SIDEWALK.
3. EDGES SHALL HAVE 1/2" RADIUS.
4. USE 3500 PSI CONCRETE.
5. BROOM FINISH TOP SURFACE.
6. SIDEWALK SHALL BE A MINIMUM OF 6" THICK AT ALL DRIVEWAYS AND HANDICAP RAMPS.

MONOLITHIC
CURB AND SIDEWALK DETAIL
NOT TO SCALE



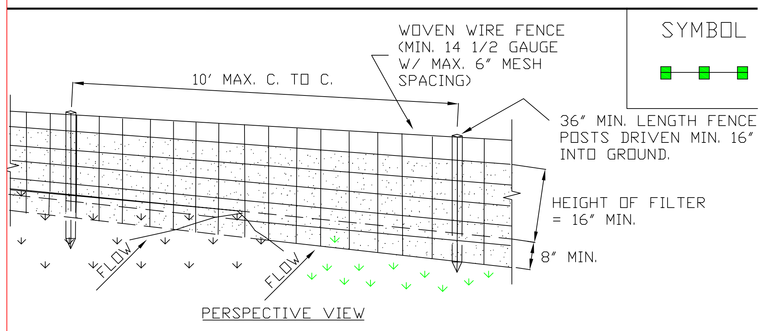
SECTION

NOTE:
PRE-MOLDED EXPANSION JOINTS TO BE USED AT ALL JOINTS.

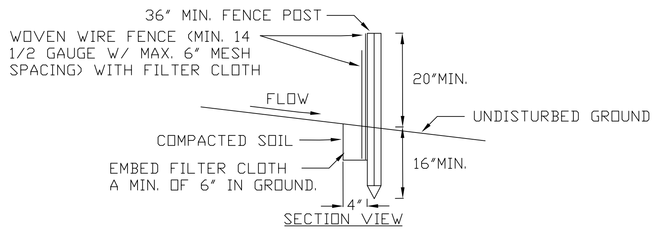


PLAN

DRIVEWAY ENTRANCE DETAIL
NOT TO SCALE



PERSPECTIVE VIEW



SECTION VIEW

CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER "T" OR "U" TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 12 1/2 GAUGE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL BE GEOFAB, ENVIROFENCE, OR APPROVED EQUIVALENT.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

SILT FENCE

"Approved by Resolution of the Planning Board of the City of Beacon, New York, on the _____ day of _____, 20 _____, subject to All requirements and conditions of said Resolution. Any change, erasure, modification or revision of this plat, as approved, shall void this approval.

Signed this _____ day of _____, 20 _____, by _____, Chairman

_____, Secretary

In absence of the Chairman or Secretary, the Acting Chairman or Acting Secretary Respectively may sign in this place.

GRAPHIC SCALE
30 0 15 30 60 80
(IN FEET)
1 inch = 30 ft.

NOTICE: IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, TO ALTER THIS DRAWING IN ANY WAY. IF ANY ITEM BEARING THE SEAL OF AN ARCHITECT IS ALTERED, THE ALTERING ARCHITECT SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

REVISION NUMBER	DESCRIPTION	DRAWN BY:	DATE:
1	Planning Board and Consultant Comments	SKB	01/30/2017
2	Planning Board and Consultant Comments	SKB	02/27/2017
3	Planning Board and Consultant Comments	SKB	06/27/2017

BURNS ENGINEERING SERVICES, P.C.

Stephen K Burns

Beacon Residential LLC, Subdivision
3 Lot Subdivision
40 North Street
City of Beacon, New York
Tax # 6054-29-086785

Burns Engineering Services, P.C.
58 Teller Avenue
Beacon, New York 12508
TEL:845-546-3310
FAX:845-546-6613
SBurns@BurnsEngineeringServices.com

CONSTRUCTION DETAILS

DATE: 12/19/16
SCALE: AS NOTED
DRAWN BY: SKB

SHEET 2 OF 2