

[illegible]

DATE:	DRAWN BY:	CHECK BY:
- Dec 17th 2018	J.B.	J.P.

PROJECT #:	PROJECT NAME:
- 189001	-

SCALE:

1" = 30'

BEHAN PLANNING &amp; DESIGN

Saratoga Springs Office  
112 Spring Street, Suite 305  
Saratoga Springs, NY 12866  
info@behanplanning.com  
518-583-4335

**Milton Railroad  
Station Park**

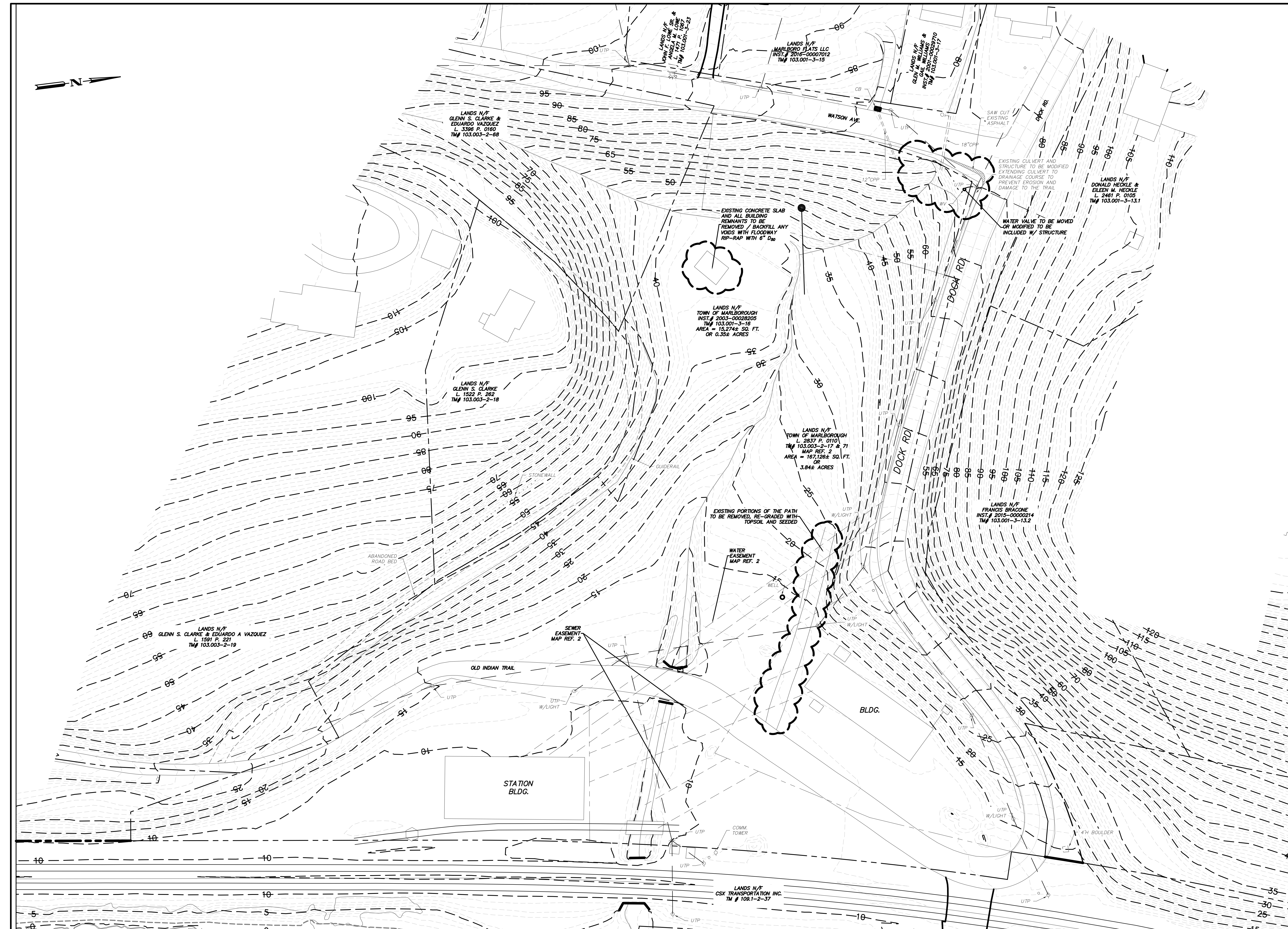
for  
Town of  
Marlborough

Marlborough  
Ulster County  
New York

SHEET TITLE:

Existing Conditions  
and  
Site Demolition

SHEET NO:  
1 of 11







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SCALE:

1" = 30'

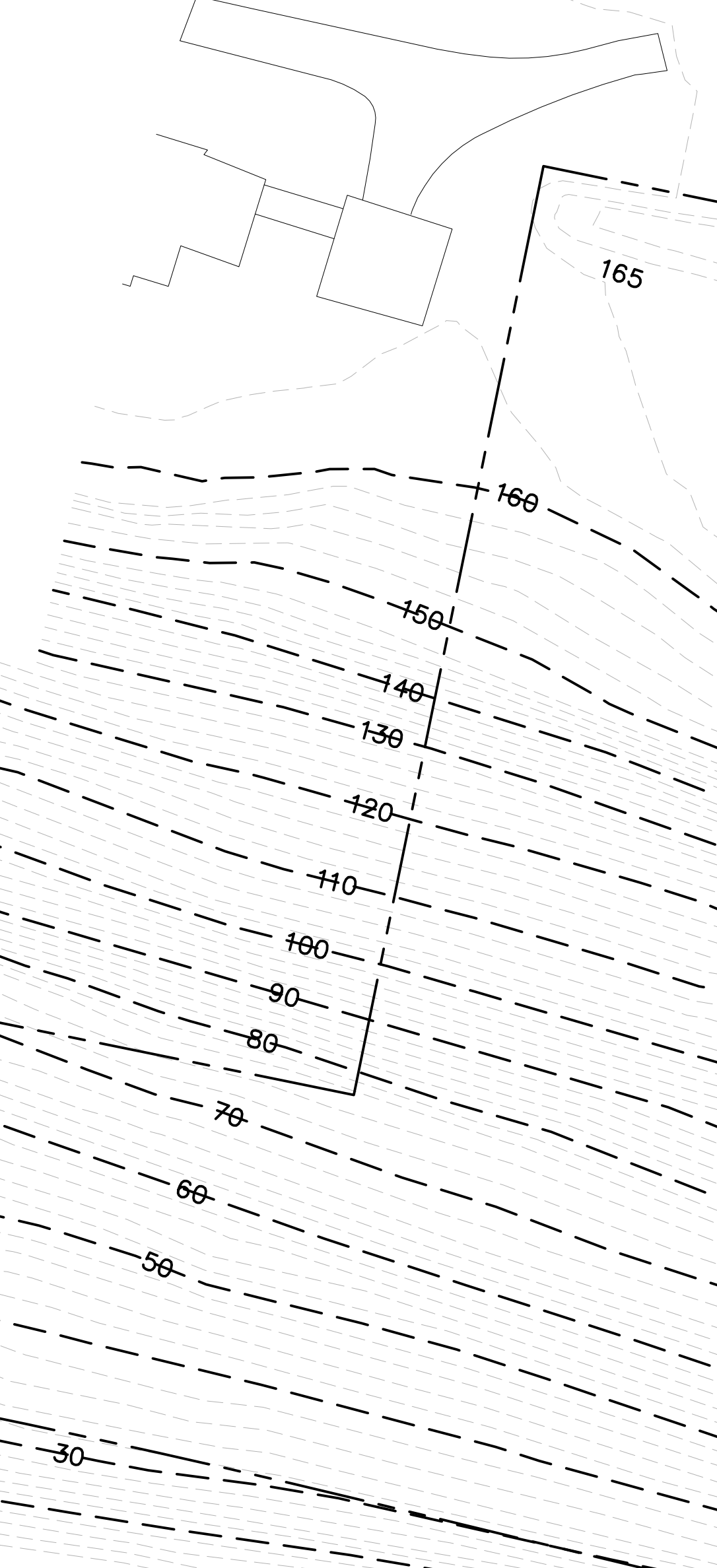
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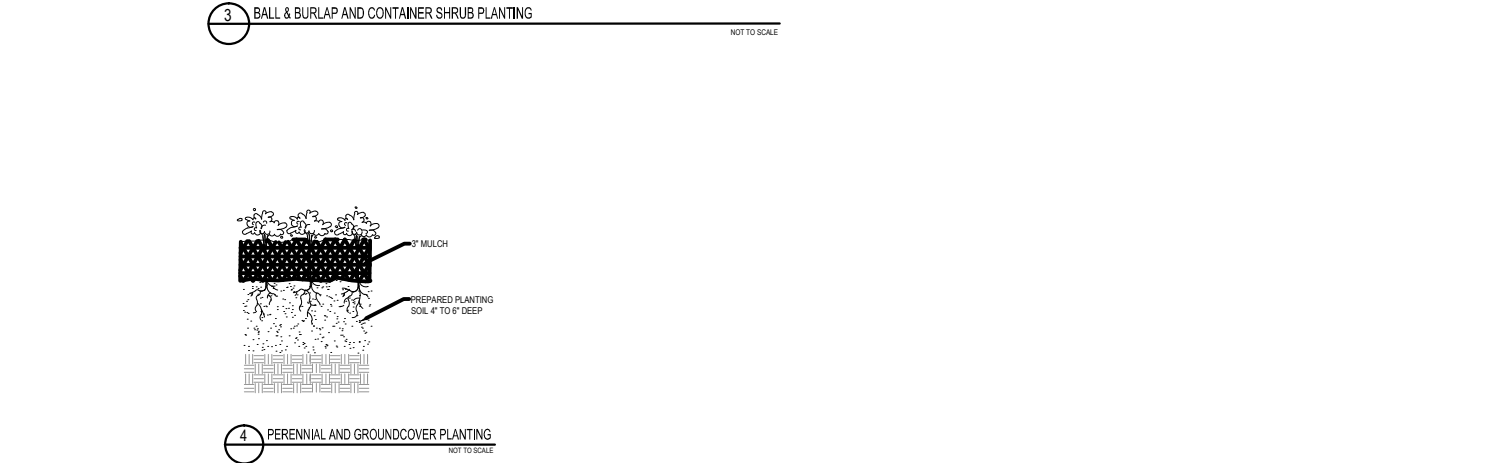
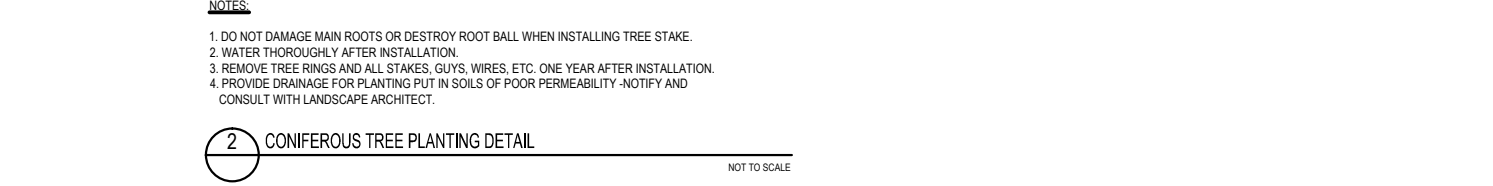
SHEET TITLE:

Site Plan/Grading  
Plan

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[illegible]

- 
- The site plan illustrates a residential landscape design. Key features include:
- Plantings:** Various trees and shrubs are specified with codes: Cf (Corylus), Lt (Liriodendron), Ra (Rosa), Nr (Nerium), Ro (Rosa), and CnG (Ceanothus). Quantities are noted next to each code (e.g., 1 Cf, 36 Ra, 12 Ra, 25 Ra, 37 Nr, 31 Ro, 5 CnG).
  - Lawn Areas:** Designated areas for 'Lawn Area - Use Seed Mix A' and 'Lawn Area - Use Seed Mix B' are shown in green.
  - Structures and Features:** A stone wall, a guiderail, a well, and a building (BLDG.) are indicated.
  - Utilities:** Existing utility points (EX UTP) and utility lines with lights (EX UTP W/LIGHT) are marked.
  - Elevations:** Numerous spot elevations are provided throughout the plan, such as +12.60, +12.50, +12.00, +11.50, +10.50, +10.00, +9.50, +9.00, +8.50, +8.00, +7.50, +7.00, +6.50, +6.00, +5.50, +5.00, +4.50, +4.00, +3.50, +3.00, +2.50, +2.00, +1.50, +1.00, +0.50, +0.00, -0.50, -1.00, -1.50, -2.00, -2.50, -3.00, -3.50, -4.00, -4.50, -5.00, -5.50, -6.00, -6.50, -7.00, -7.50, -8.00, -8.50, -9.00, -9.50, -10.00, -10.50, -11.00, -11.50, -12.00, -12.50, -13.00, -13.50, -14.00, -14.50, -15.00, -15.50, -16.00, -16.50, -17.00, -17.50, -18.00, -18.50, -19.00, -19.50, -20.00, -20.50, -21.00, -21.50, -22.00, -22.50, -23.00, -23.50, -24.00, -24.50, -25.00, -25.50, -26.00, -26.50, -27.00, -27.50, -28.00, -28.50, -29.00, -29.50, -30.00, -30.50, -31.00, -31.50, -32.00, -32.50, -33.00, -33.50, -34.00, -34.50, -35.00, -35.50, -36.00, -36.50, -37.00, -37.50, -38.00, -38.50, -39.00, -39.50, -40.00, -40.50, -41.00, -41.50, -42.00, -42.50, -43.00, -43.50, -44.00, -44.50, -45.00, -45.50, -46.00, -46.50, -47.00, -47.50, -48.00, -48.50, -49.00, -49.50, -50.00, -50.50, -51.00, -51.50, -52.00, -52.50, -53.00, -53.50, -54.00, -54.50, -55.00, -55.50, -56.00, -56.50, -57.00, -57.50, -58.00, -58.50, -59.00, -59.50, -60.00, -60.50, -61.00, -61.50, -62.00, -62.50, -63.00, -63.50, -64.00, -64.50, -65.00, -65.50, -66.00, -66.50, -67.00, -67.50, -68.00, -68.50, -69.00, -69.50, -70.00, -70.50, -71.00, -71.50, -72.00, -72.50, -73.00, -73.50, -74.00, -74.50, -75.00, -75.50, -76.00, -76.50, -77.00, -77.50, -78.00, -78.50, -79.00, -79.50, -80.00, -80.50, -81.00, -81.50, -82.00, -82.50, -83.00, -83.50, -84.00, -84.50, -85.00, -85.50, -86.00, -86.50, -87.00, -87.50, -88.00, -88.50, -89.00, -89.50, -90.00, -90.50, -91.00, -91.50, -92.00, -92.50, -93.00, -93.50, -94.00, -94.50, -95.00, -95.50, -96.00, -96.50, -97.00, -97.50, -98.00, -98.50, -99.00, -99.50, -100.00, -100.50, -101.00, -101.50, -102.00, -102.50, -103.00, -103.50, -104.00, -104.50, -105.00, -105.50, -106.00, -106.50, -107.00, -107.50, -108.00, -108.50, -109.00, -109.50, -110.00, -110.50, -111.00, -111.50, -112.00, -112.50, -113.00, -113.50, -114.00, -114.50, -115.00, -115.50, -116.00, -116.50, -117.00, -117.50, -118.00, -118.50, -119.00, -119.50, -120.00, -120.50, -121.00, -121.50, -122.00, -122.50, -123.00, -123.50, -124.00, -124.50, -125.00, -125.50, -126.00, -126.50, -127.00, -127.50, -128.00, -128.50, -129.00, -129.50, -130.00, -130.50, -131.00, -131.50, -132.00, -132.50, -133.00, -133.50, -134.00, -134.50, -135.00, -135.50, -136.00, -136.50, -137.00, -137.50, -138.00, -138.50, -139.00, -139.50, -140.00, -140.50, -141.00, -141.50, -142.00, -142.50, -143.00, -143.50, -144.00, -144.50, -145.00, -145.50, -146.00, -146.50, -147.00, -147.50, -148.00, -148.50, -149.00, -149.50, -150.00, -150.50, -151.00, -151.50, -152.00, -152.50, -153.00, -153.50, -154.00, -154.50, -155.00, -155.50, -156.00, -156.50, -157.00, -157.50, -158.00, -158.50, -159.00, -159.50, -160.00, -160.50, -161.00, -161.50, -162.00, -162.50, -163.00, -163.50, -164.00, -164.50, -165.00, -165.50, -166.00, -166.50, -167.00, -167.50, -168.00, -168.50, -169.00, -169.50, -170.00, -170.50, -171.00, -171.50, -172.00, -172.50, -173.00, -173.50, -174.00, -174.50, -175.00, -175.50, -176.00, -176.50, -177.00, -177.50, -178.00, -178.50, -179.00, -179.50, -180.00, -180.50, -181.00, -181.50, -182.00, -182.50, -183.00, -183.50, -184.00, -184.50, -185.00, -185.50, -186.00, -186.50, -187.00, -187.50, -188.00, -188.50, -189.00, -189.50, -190.00, -190.50, -191.00, -191.50, -192.00, -192.50, -193.00, -193.50, -194.00, -194.50, -195.00, -195.50, -196.00, -196.50, -197.00, -197.50, -198.00, -198.50, -199.00, -199.50, -200.00, -200.50, -201.00, -201.50, -202.00, -202.50, -203.00, -203.50, -204.00, -204.50, -205.00, -205.50, -206.00, -206.50, -207.00, -207.50, -208.00, -208.50, -209.00, -209.50, -210.00, -210.50, -211.00, -211.50, -212.00, -212.50, -213.00, -213.50, -214.00, -214.50, -215.00, -215.50, -216.00, -216.50, -217.00, -217.50, -218.00, -218.50, -219.00, -219.50, -220.00, -220.50, -221.00, -221.50, -222.00, -222.50, -223.00, -223.50, -224.00, -224.50, -225.00, -225.50, -226.00, -226.50, -227.00, -227.50, -228.00, -228.50, -229.00, -229.50, -230.00, -230.50, -231.00, -231.50, -232.00, -232.50, -233.00, -233.50, -234.00, -23







BEHAN PLANNING  
AND DESIGN

Behan Planning and Design  
www.behanplanning.com

DESCRIPTION:

DRAWN BY:

DATE:

REV. NO:

DATE:

- Dec. 17th, 2016

DRAWN BY:

J.B.

CHECK BY:

J.P.

PROJECT #:

- 188001

PROJECT NAME:

-

SCALE:

1" = 30'

BEHAN PLANNING & DESIGN

Saratoga Springs Office  
112 Spring Street, Suite 305  
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518-583-4335

**Milton Railroad  
Station Park**

for  
Town of  
Marlborough

Marlborough  
Ulster County  
New York

SHEET TITLE:

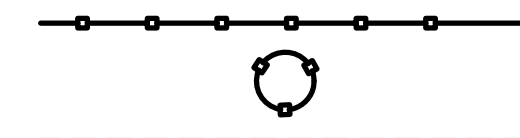
Erosion Control Plan

SHEET NO:

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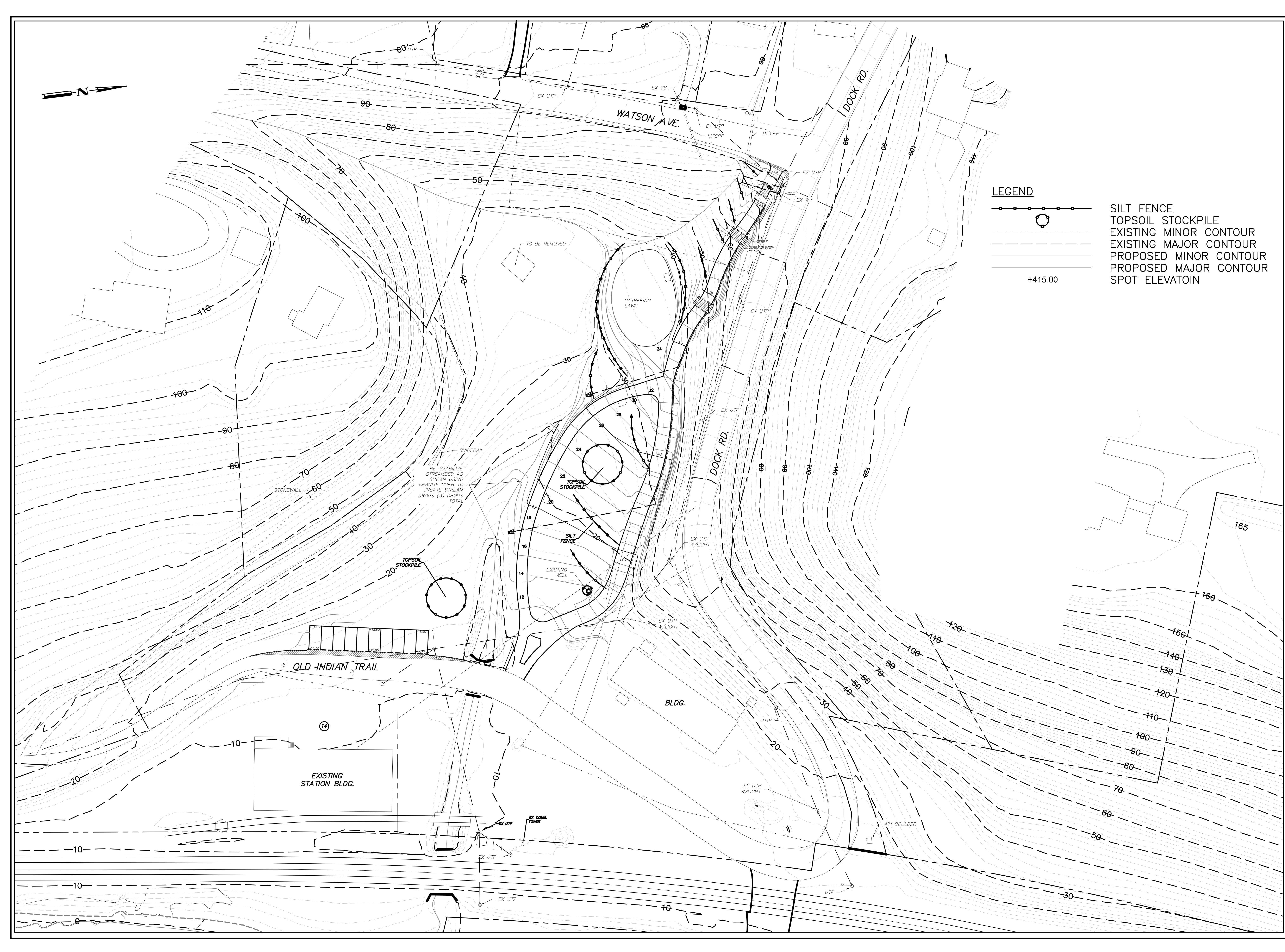


LEGEND



SILT FENCE  
TOPSOIL STOCKPILE  
EXISTING MINOR CONTOUR  
EXISTING MAJOR CONTOUR  
PROPOSED MINOR CONTOUR  
PROPOSED MAJOR CONTOUR  
SPOT ELEVATOIN

+415.00





1. Definitions
  - a. Backfill: Soil materials used to fill an excavation.
  - b. Bedding Course: Layer placed over the excavated subgrade in a trench before laying pipe.
  - c. Excavation: Removal of material encountered above subgrade elevations or from trench for installation of utilities.
  - d. Structures: Retaining walls, slabs, tanks, curbs, mechanical and electrical appearances, or other man-made stationary features constructed above or below the ground surface.
  - e. Subgrade: Surface or elevation remaining after completing excavation, or top surface of a fill or backfill immediately below subbase, drainage fill, or topsoil materials.
  - f. Utilities include on-site underground water and sewer pipes, electric conduits, ducts, and cables, as well as underground services within buildings.

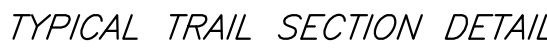
- | Sieve Size | Percent of Weight Passing |
|------------|---------------------------|
| 3/4"       | 100%                      |
| 1/2"       | 90% - 100%                |
| 3/8"       | 40% - 70%                 |
| No. 4      | 0% - 15%                  |
| No. 8      | 0% - 5%                   |

- ## CLEARING

1. Streets, road, adjacent property and other works and structures shall be protected throughout the entire project. Contractor shall return to original condition, satisfactory to the Engineer, damaged facilities caused by the Contractor's operations.
2. Trees, shrubs and grassed areas, which are to remain, shall be protected by fences, barricades, wrapping or other methods as shown, specified or approved by the Engineer. Equipment, stockpiles, etc. shall not be permitted within tree branch spread. Trees shall not be removed without approval of the Engineer unless shown or specified.
3. Except as noted below, Contractor shall remove from the site and satisfactorily dispose of all trees, shrubs, stumps, roots, brush, masonry, rubbish, scrap, debris, pavement, curbs, fences and miscellaneous other structures not covered under other Sections as shown, specified or otherwise required to permit construction of the new Work.
4. Trees and shrubs shall be trimmed when doing so will avoid removal or damage. Trimmed or damaged trees shall be treated and repaired by persons with experience in this specialty. Trees and shrubs intended to remain, which are damaged beyond repair or removal, shall be replaced.
5. Control air pollution caused by dust and dirt and comply with governing regulations.
6. Topsoil is defined as friable clay loam surface soil found in a depth of not less than 4 inches. Topsoil shall be substantially free of subsoil, clay lumps, stones, and other objects over 2 inches in diameter, and without weeds, roots, and other objectionable material.
7. Strip topsoil, which is satisfactory to whatever depths are encountered, and in such manner as to prevent intermingling with the underlying subsoil or other objectionable material. Remove heavy growths of grass from areas before stripping.
8. Where trees are shown or directed to be left standing, top soil topsoil approaching a sufficient distance from such trees to prevent damage to the main root system.
9. Stockpile topsoil in storage piles in areas shown, or where otherwise approved by Engineer. Construct storage piles to freely drain surface water. Cover storage piles, if required to prevent windblown dust.
10. Provide protection against soil erosion from the cleared areas.



NOT TO SCALE



NOT TO SCALE



NOT TO SCALE

- NOTES:
1. THE WHEEL-CLEANING BLANKET SHALL BE A MINIMUM 6" DEPTH OF 1" - 1 1/2" CRUSHED STONE, AT LEAST 24' X 50' (FOR STREETS) AND SHOULD BE PLACED ON COMPACTED SUB-GRADE.
  2. ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE RAMPED ACROSS THE ENTRANCE. IF PAVING IS IMPRACTICAL, A MOUNTAINING BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  3. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  4. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



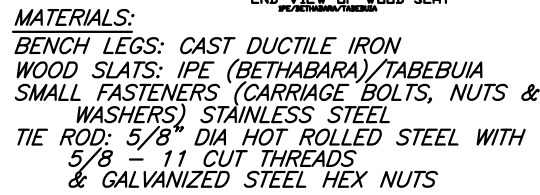
NOT TO SCALE



NOT TO SCALE



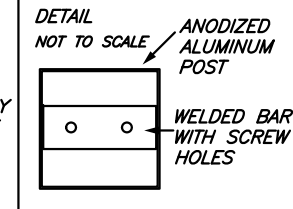
1. BENCHES ARE TO BE MOUNTED ON 6' X 4' CONCRETE PADS, PROPOSED LOCATION AND ELEVATION OF CONCRETE PADS ARE SHOWN ON THE GRADING



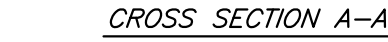
NOT TO SCALE



1. USE SOLID PVC SCHEDULE 40 PIPE OR PERFORATED PVC SEWER PIPE AND FITTINGS AS CALLED FOR IN THE DRAWING



NOT TO SCALE



NOTE: SEE RIPRAP STANDARDS AND SPECIFICATIONS  
MINIMUM TAILWATER CONDITIONS



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[illegible]

**DRAFT**  
NOT FOR CONSTRUCTION

DATE:	DRAWN BY:	CHECK BY:
- Dec. 17th, 2018	J.B.	J.P.

PROJECT #:	PROJECT NAME:
- 189001	-

SCALE:

NTS

## BEHAN PLANNING & DESIGN

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518-583-4335

# Milton Railroad Station Park

for  
Town of  
Marlborough

Marlborough  
Ulster County  
New York

SHEET TITLE:

## Construction Details

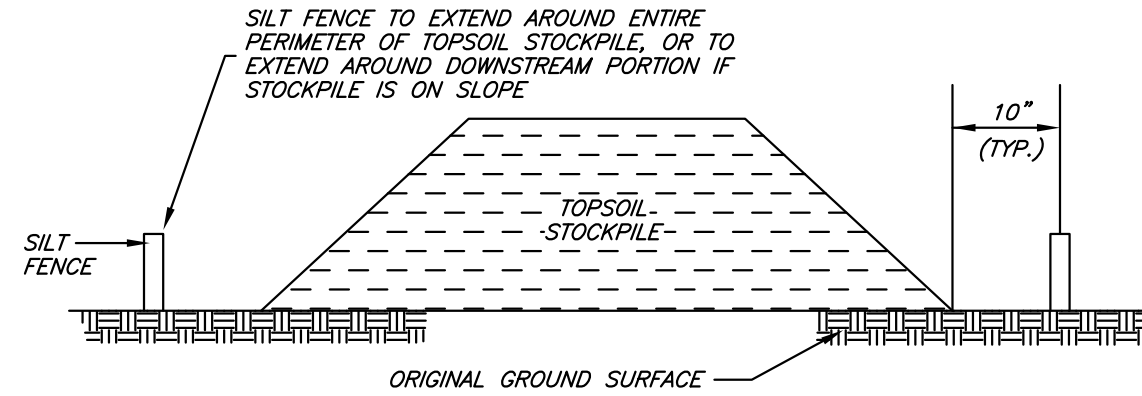
SHEET NO:

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CAST-IN-PLACE CONCRETE

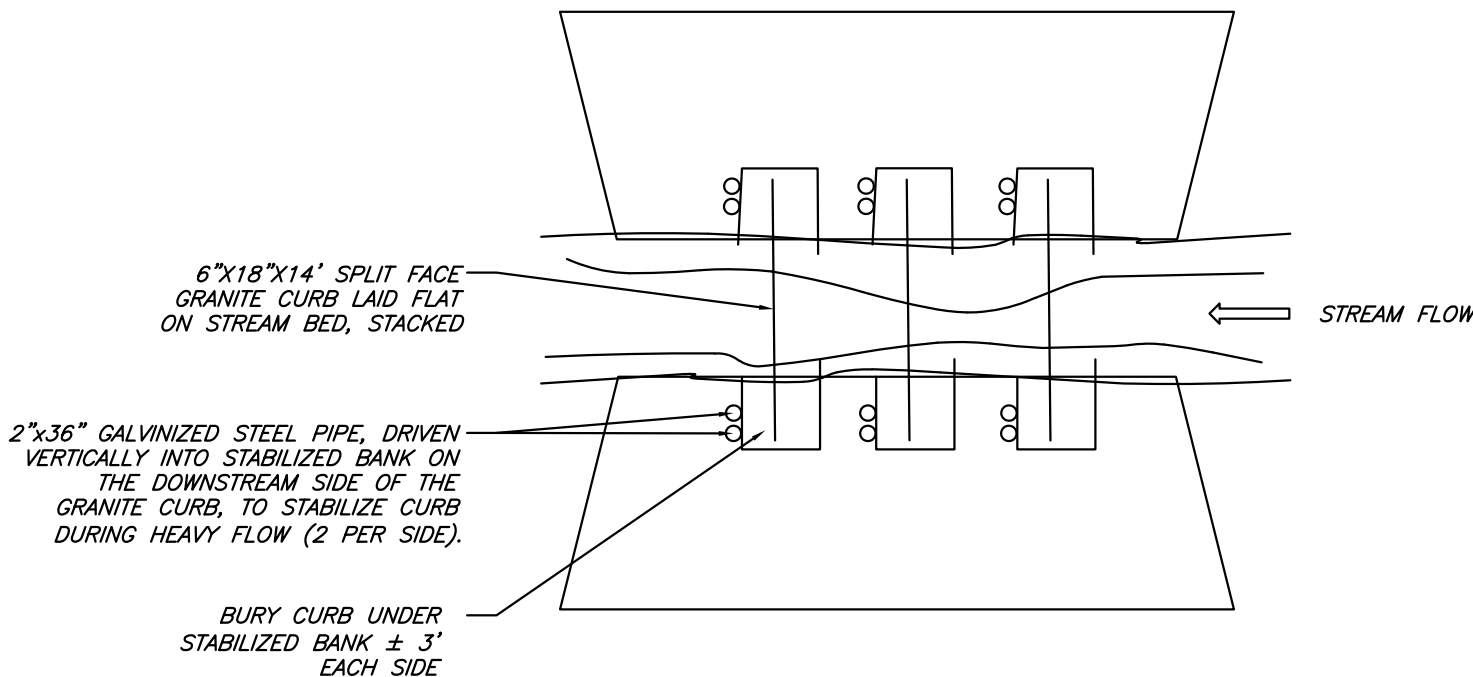
- Steel Reinforcement
  - Select steel reinforcement from subparagraphs below.
    - Reinforcing Bars: ASTM A 615/A 615M, Grade 60, Deformed
    - Plain-Steel Wire: ASTM A 82, as drawn
    - Plain-Steel Welded Wire Fabric: ASTM A 185, Flat Sheets
    - Deformed-Steel Welded Wire Fabric: ASTM A 497, Flat Sheet
- Concrete Materials
  - Select concrete materials from subparagraphs below or revise to suit Project.
    - Portland Cement: ASTM C 150, Type I or II
    - Aggregate: ASTM C 33, Uniformly Graded, from a Single Source
    - Water: ASTM C 94
    - Air-Entraining Admixture: ASTM C 260
    - Water-Reducing Admixture: ASTM C 494, Type A
    - High-Range, Water-Reducing Admixture: ASTM C 494, Type F
    - Water-Reducing and Accelerating Admixture: ASTM C 494, Type E
    - Water-Reducing and Retarding Admixture: ASTM C 494, Type D
    - Synthetic Fiber: Fibrillated or Monofilament Polypropylene Fibers engineered and designed for use in concrete, complying with ASTM C 1116, Type III, 1/2 to 1-1/2 inches long.
- Curing Materials
  - Absorptive Cover: AASHTO M 182, Class 2, burlap cloth made from jute or kenaf, weighing approximately 9 oz./sq. yd. dry.
  - Moisture-Retaining Cover: ASTM C 171, Polyethylene Film or White Burlap-Polyethylene Sheet.
  - Clear, Solvent-Borne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B
  - Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B
- Concrete Mixes: Prepare design mixes, proportioned according to ACI 211.1 and ACI 301, with the following properties:
  - Compressive Strength (28 Days): 4,000 psi (27.6 MPa)
  - Slump: 4 inches
  - Air Content: 3 to 6 percent
- Synthetic Fiber: Uniformly disperse in concrete mix at manufacturer's recommended rate, but not less than 1 lb/cu. yd.
- Design, construct, erect, shore, brace, and maintain formwork, according to ACI 301, to support vertical, lateral, static, and dynamic loads, and construction loads that might be applied, until concrete structure can support such loads.
- Vapor Retarder: Place, protect, and repair vapor-retarder sheets according to ASTM E 1643.
  - Steel Reinforcement: Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.
    - Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before placing concrete.
- Joints: Locate and install construction, isolation, and contraction joints.
- Concrete Placement: Deposit concrete continuously and avoid segregation. Deposit concrete in forms in horizontal layers no deeper than 24 inches, avoiding cold joints.
  - Consolidate concrete with mechanical vibrating equipment.
  - Screed and initial-float concrete floors and slabs using bull floats or darbies to form a uniform and open-textured surface plane, free of humps or hollows, before excess moisture or bleedwater appears on the surface. Do not further disturb slab surfaces before starting finishing operations.
  - Comply with ACI 306.1 for cold-weather concrete placement.
  - Place concrete according to recommendations in ACI 305R when hot-weather conditions exist.
- Finish Formed Surfaces as follows:
  - Apply rough-formed finish, defined in ACI 301, to concrete surfaces indicated or not exposed to public view.
  - Apply smooth-formed finish, defined in ACI 301, to concrete surfaces indicated and exposed to public view or to be covered with a coating or covering material applied directly to concrete, such as waterproofing, damproofing, veneer plaster, or painting. Do not apply rubbed finish to smooth-formed finish.
  - Apply smooth-rubbed finish to smooth-formed finished concrete surfaces indicated or exposed to public view.
- Finishing Floors and Slabs: Comply with recommendations in ACI 302.1R for screeding, restraightening, and finishing operations for concrete surfaces.
  - Broom Finish: Apply a broom finish to exterior concrete, brooming with fiber-bristle broom perpendicular to main traffic route, to platforms, steps, and ramps, and elsewhere as indicated.
- Concrete Protection and Curing: Protect concrete from excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and with recommendations in ACI 305R for hot-weather protection during curing.
  - Apply evaporation retarder to unformed concrete surfaces if hot, dry, or windy conditions cause excessive moisture loss.
  - Begin curing after finishing concrete but not before free water has disappeared from concrete surface.
  - Cure formed and unformed concrete for at least seven days by moisture curing, moisture-retaining-cover curing, or curing compound.



- NOTES:
- AN ON-SITE DRAINAGE SWALE SHALL BE LOCATED BETWEEN THE TOPSOIL STOCKPILE AND OFF-SITE PROPERTY.
  - REFERENCE IS MADE TO THE SILT FENCE DETAIL FOR MATERIALS AND INSTALLATION METHODS.
  - IF THE STOCKPILE IS TO REMAIN FOR MORE THAN 14 DAYS, IT SHALL BE STABILIZED WITH BURLAP MATTING OR SEED TO MINIMIZE EROSION.
  - INSPECTION OF SILT FENCES SHALL BE AT LEAST ONCE PER WEEK AND AFTER RAIN EVENTS IN EXCESS OF 1/2". REPAIR OR REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
  - SEDIMENT TRAPPED BY THE FENCES SHALL BE REMOVED AND PROPERLY DISPOSED OF WHENEVER SIGNIFICANT ACCUMULATION OCCURS.
  - SILT FENCES SHALL BE MAINTAINED IN PLACE UNTIL TOPSOIL STOCKPILE HAS BEEN ELIMINATED AND SHALL BE REMOVED ONLY WHEN DIRECTED BY THE TOWN/VILLAGE ENGINEER.

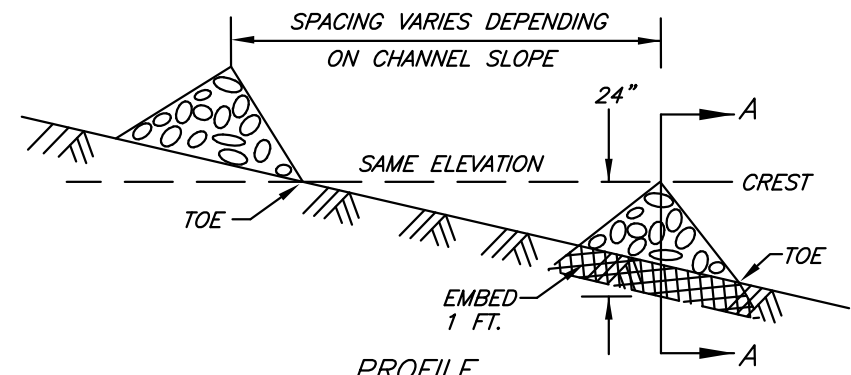
TEMPORARY TOPSOIL STOCKPILE

NOT TO SCALE



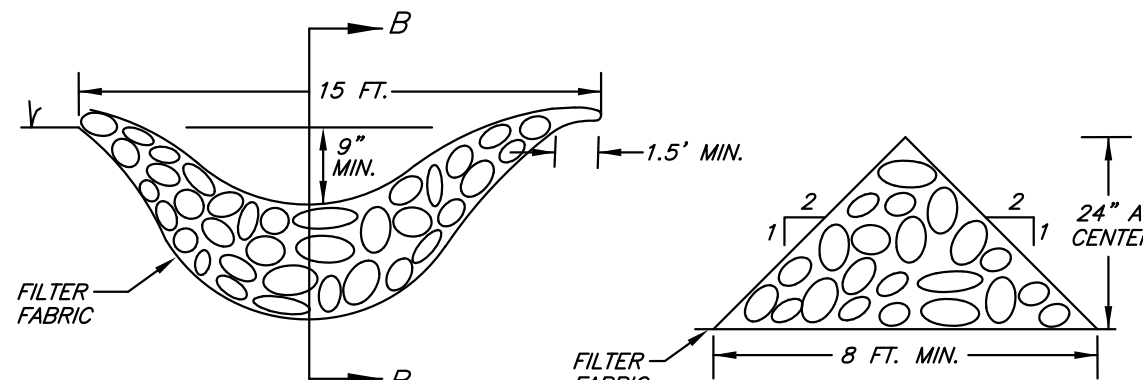
STREAM DROP DETAIL

NOT TO SCALE



PROFILE

NOT TO SCALE



SECTION A-A

NOT TO SCALE

SECTION B-B

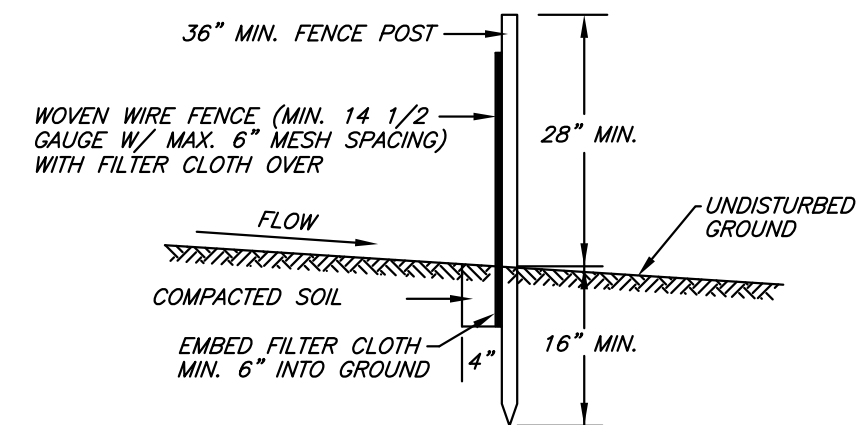
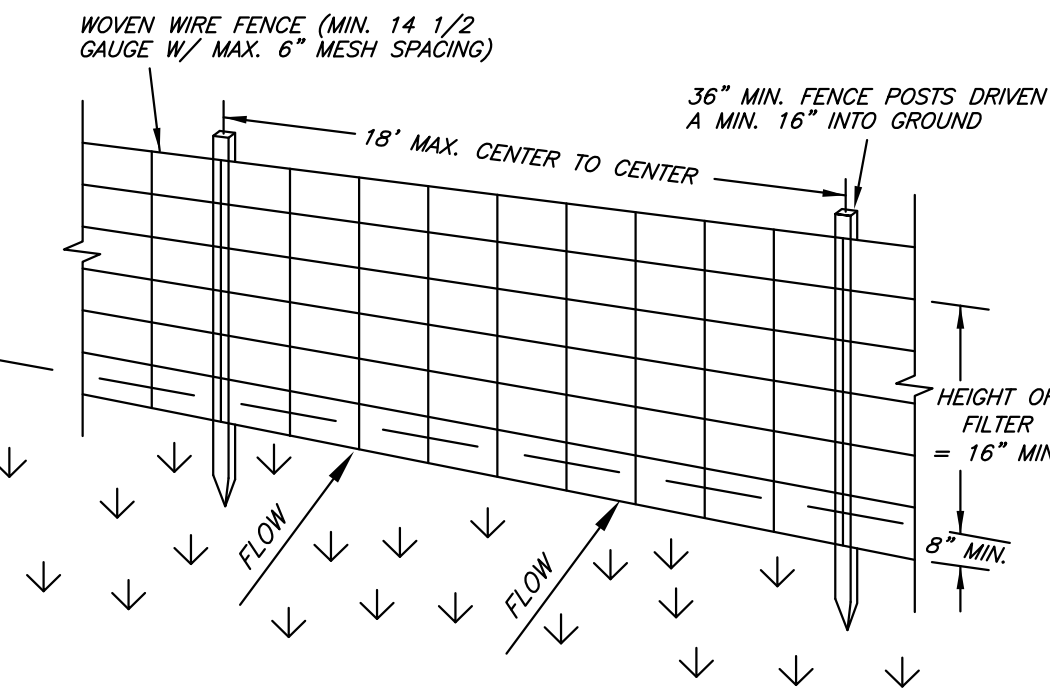
NOT TO SCALE

STONE CHECK DAM

NOT TO SCALE

NOTES:

- STONE WILL BE PLACED ON A FILTER FABRIC FOUNDATION TO THE LINES. GRADES AND LOCATION SHOWN IN THE PLANS.
- SET SPACING OF CHECK DAMS TO ASSURE THAT THE ELEVATIONS OF THE CREST OF THE DOWNSTREAM DAM IS AT THE SAME ELEVATION AS THE TOE OF THE UPSTREAM DAM.
- EXTEND THE STONE A MINIMUM OF 1.5' BEYOND THE DITCH BANKS TO PREVENT CUTTING AROUND THE DAM.
- PROTECT THE CHANNEL DOWNSTREAM OF THE LOWEST CHECK DAM FROM SCOUR AND EROSION WITH STONE OR LINER AS APPROPRIATE.
- ENSURE THAT CHANNEL APPURTENANCES SUCH AS CULVERT ENTRANCES BELOW CHECK DAMS ARE NOT SUBJECT TO DAMAGE OR BLOCKAGE FROM DISPLACED STONES.



NOTES:

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH IS TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN 'BULGES' DEVELOP IN THE SILT FENCE.
- THE SILT FENCE MAY BE PLACED ADJACENT TO THE HAYBALE FENCE. THE HAYBALE FENCE SHOULD BE LOCATED ON THE DISTURBED SIDE OF THE FILTER FENCE.

(POSTS: STEEL, EITHER 'I' OR 'U' TYPE OR 2" HARDWOOD)  
(FILTER CLOTH: FILTER X; MIRAFI 180x; STABLINKA T140N OR APPROVED EQUAL)  
(PREFABRICATED UNIT: GEOFAB; ENVIROFENCE OR APPROVED EQUAL)

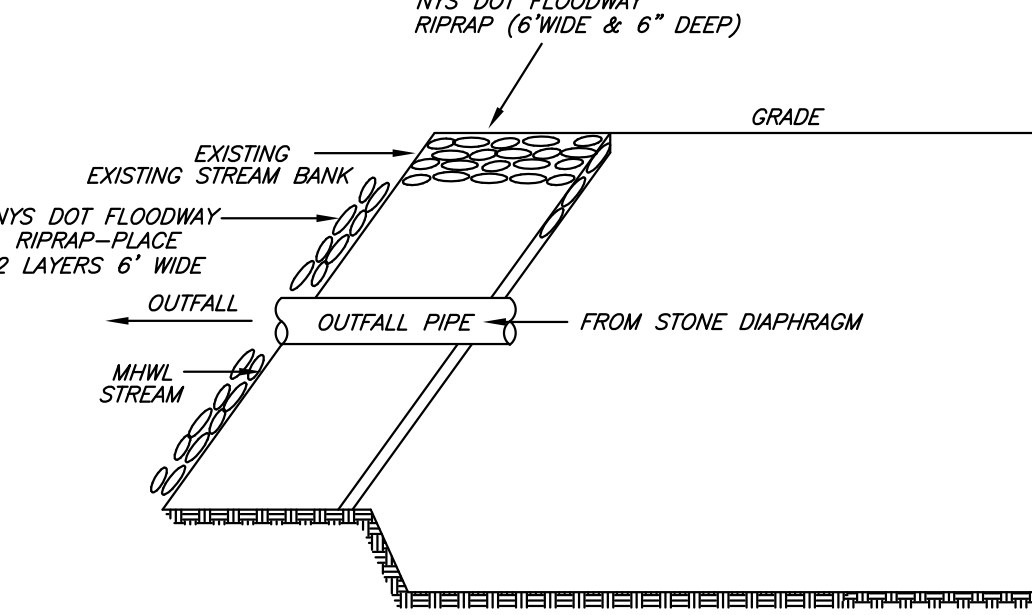
CONSTRUCTION SPECIFICATIONS

SILT FENCE FABRIC: THE FABRIC SHALL MEET THE FOLLOWING SPECIFICATIONS:

FABRIC PROPERTIES	MINIMUM ACCEPTABLE VALUE	TEST METHOD
GRAB TENSILE STRENGTH (LBS)	90	ASTM D1682
ELONGATION AT FAILURE (%)	50	ASTM D1682
PUNCTURE STRENGTH (PSI)	40	ASTM D751 (MODIFIED)
SLURRY FLOW RATE (GAL/MIN/SF)	0.3	VIRGINIA (DOT VTM-51)
EQUIVALENT OPENING SIZE	40-80	US STD. SIEVE
ULTRAVIOLET RADIATION STABILITY %	90	ASTM G-26

SILT FENCE BARRIER

NOT TO SCALE



STORMWATER MANAGEMENT BASIN OUTFALL SECTION

NOT TO SCALE



BEHAN PLANNING  
AND DESIGN

Behan Planning and Design  
www.behanplanning.com

DESCRIPTION:

DRAWN BY:

DATE:

REV. NO:

DATE:

- Dec. 17th, 2016

DRAWN BY:

J.B.

CHECK BY:

J.P.

PROJECT #:

- 188001

PROJECT NAME:

-

SCALE:

NTS

BEHAN PLANNING & DESIGN

Saratoga Springs Office  
112 Spring Street, Suite 305  
Saratoga Springs, NY 12866  
info@behanplanning.com  
518-583-4335

Milton Railroad  
Station Park

for  
Town of  
Marlborough

Marlborough  
Ulster County  
New York

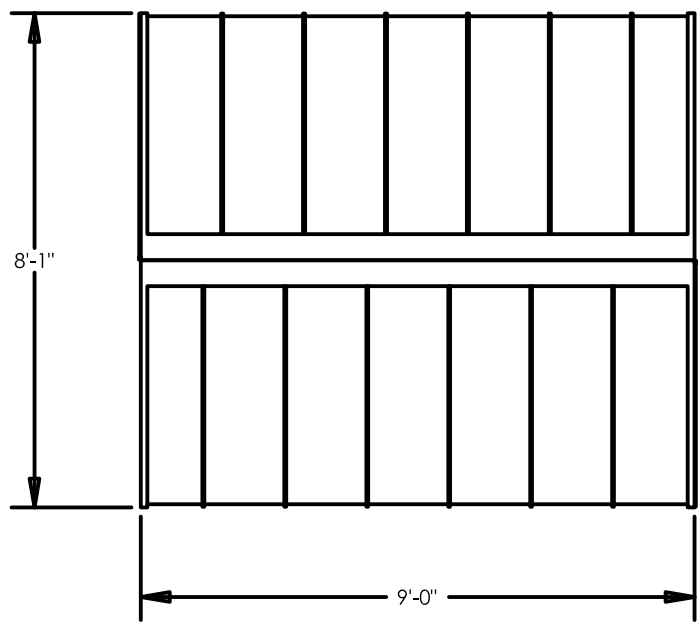
SHEET TITLE:

Construction  
Details

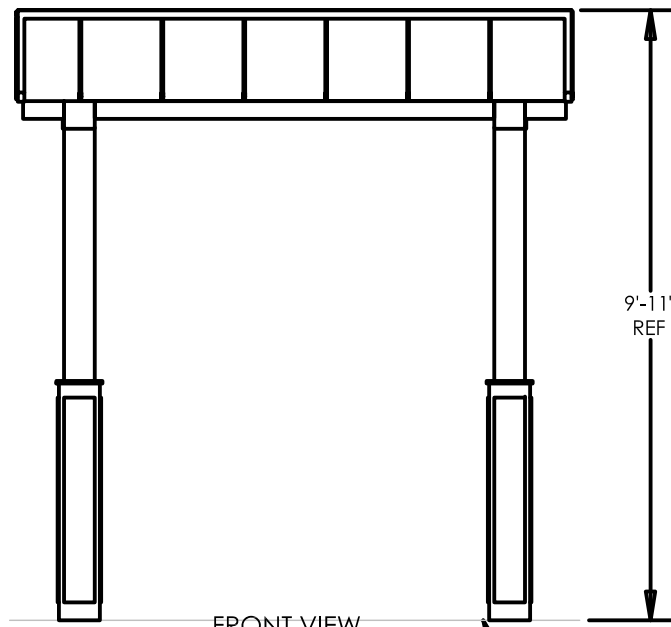
SHEET NO:

6 of 11



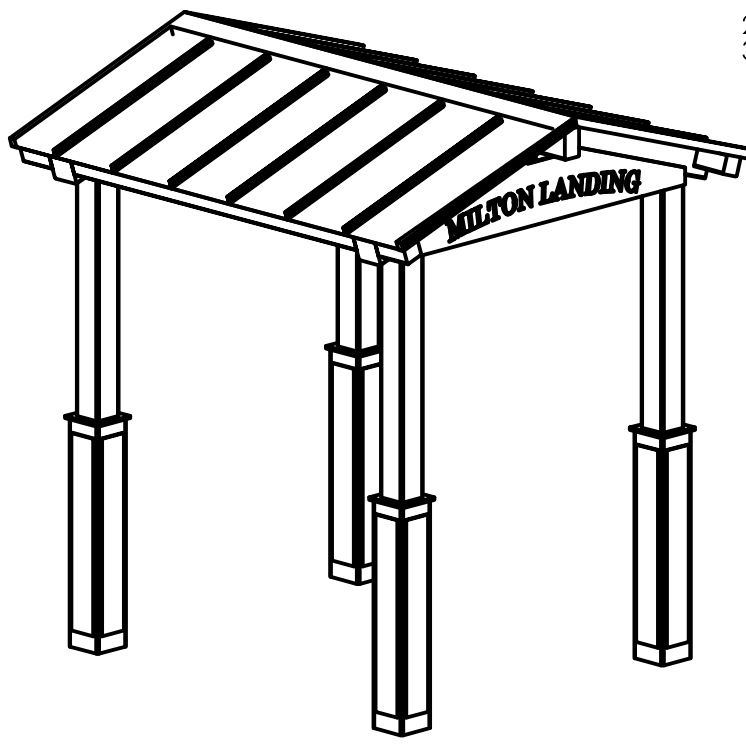


TOP VIEW

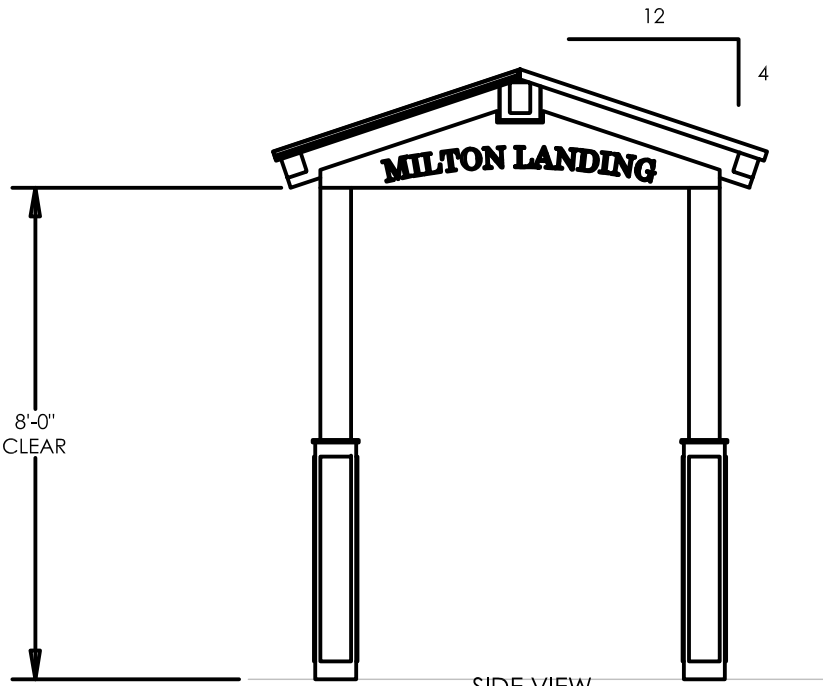


FRONT VIEW

FINISH GRADE  
(ASSUMED AT CONSTANT  
ELEVATION UNLESS  
OTHERWISE NOTED)



ISOMETRIC VIEW



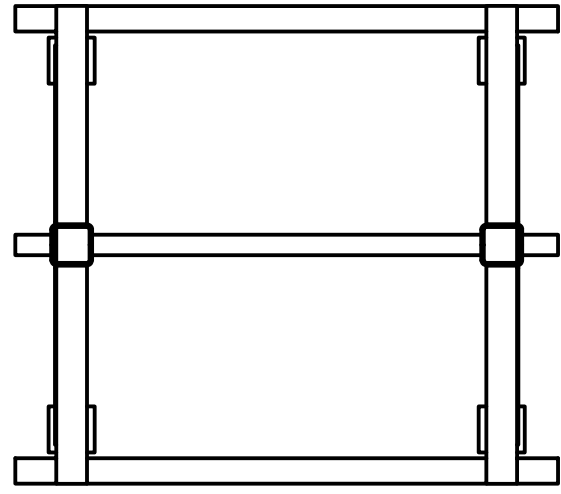
SIDE VIEW

ARCHITECTURAL ELEVATION

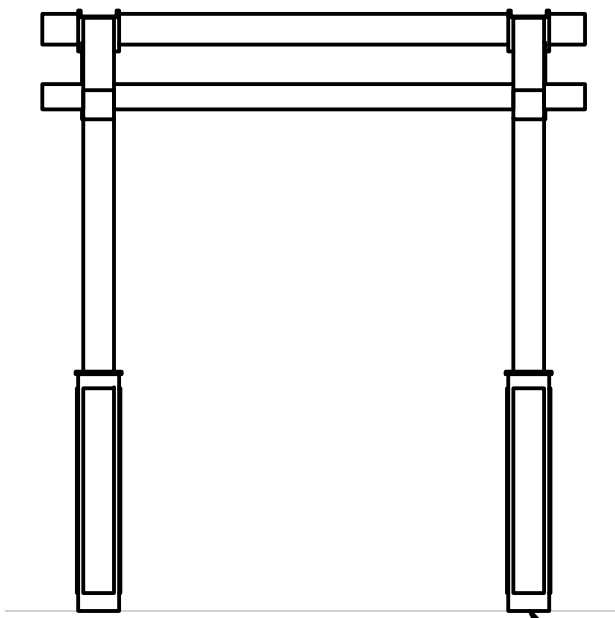
NOT TO SCALE

GENERAL ROOF NOTES:

1. METAL ROOFING:
  - 24 GAUGE
  - GALVALUME COATED
  - KYNAR 500 PAINTED
2. TRIM COLOR MATCHES ROOF
3. SEE POLYGON.COM FOR COLOR OPTIONS

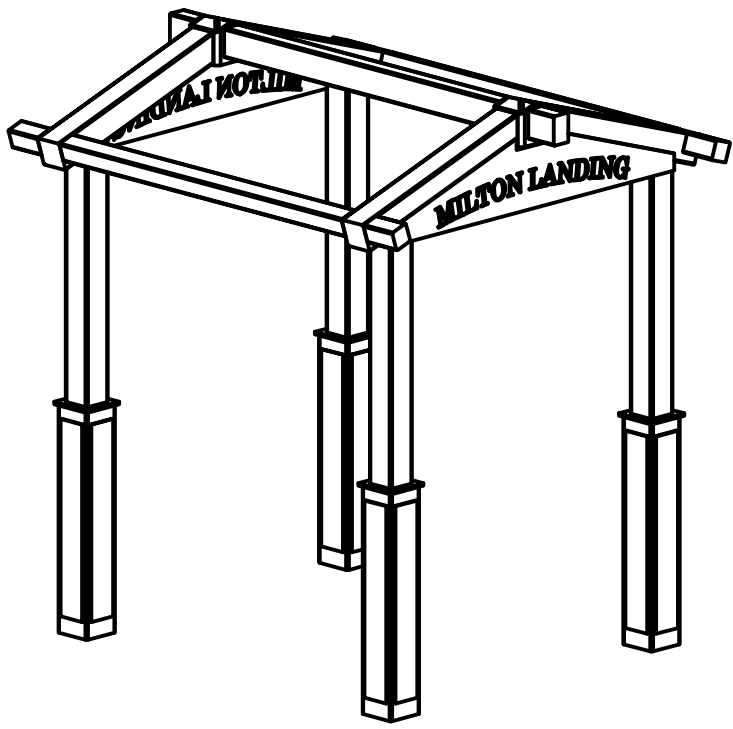


TOP VIEW

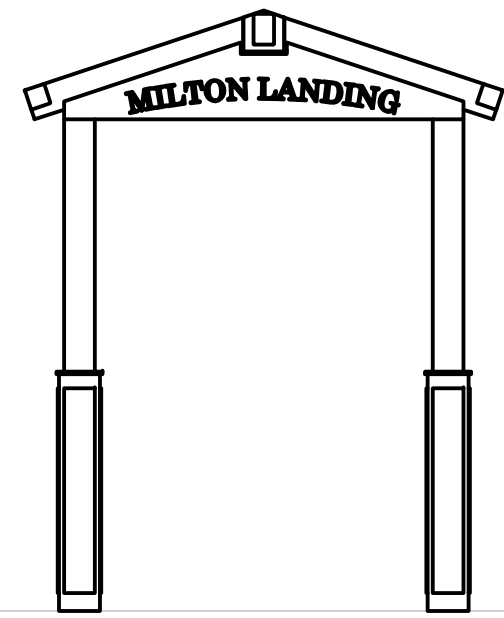


FRONT VIEW

FINISH GRADE  
(ASSUMED AT CONSTANT  
ELEVATION UNLESS  
OTHERWISE NOTED)



ISOMETRIC VIEW



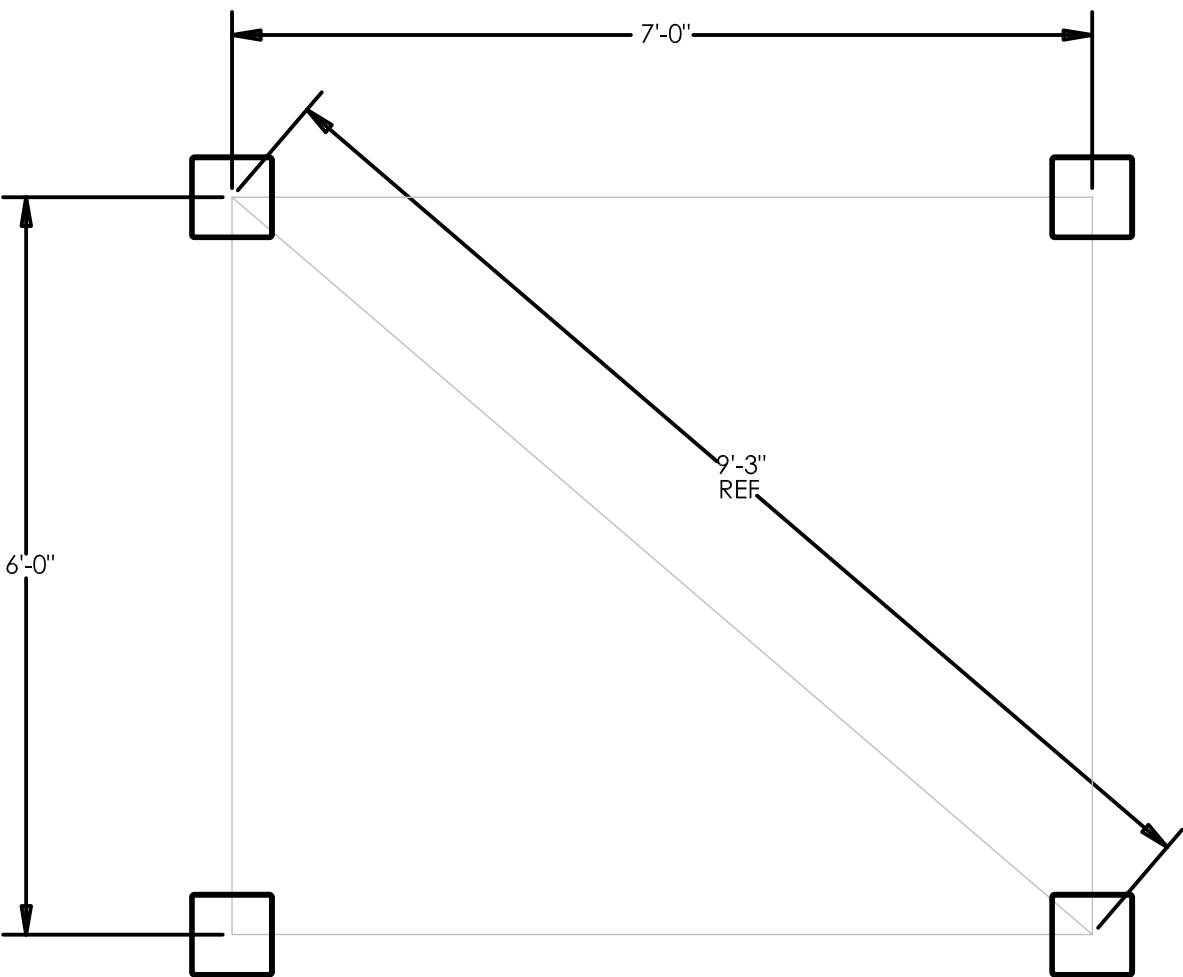
SIDE VIEW

STRUCTURAL FRAMING PLAN

NOT TO SCALE

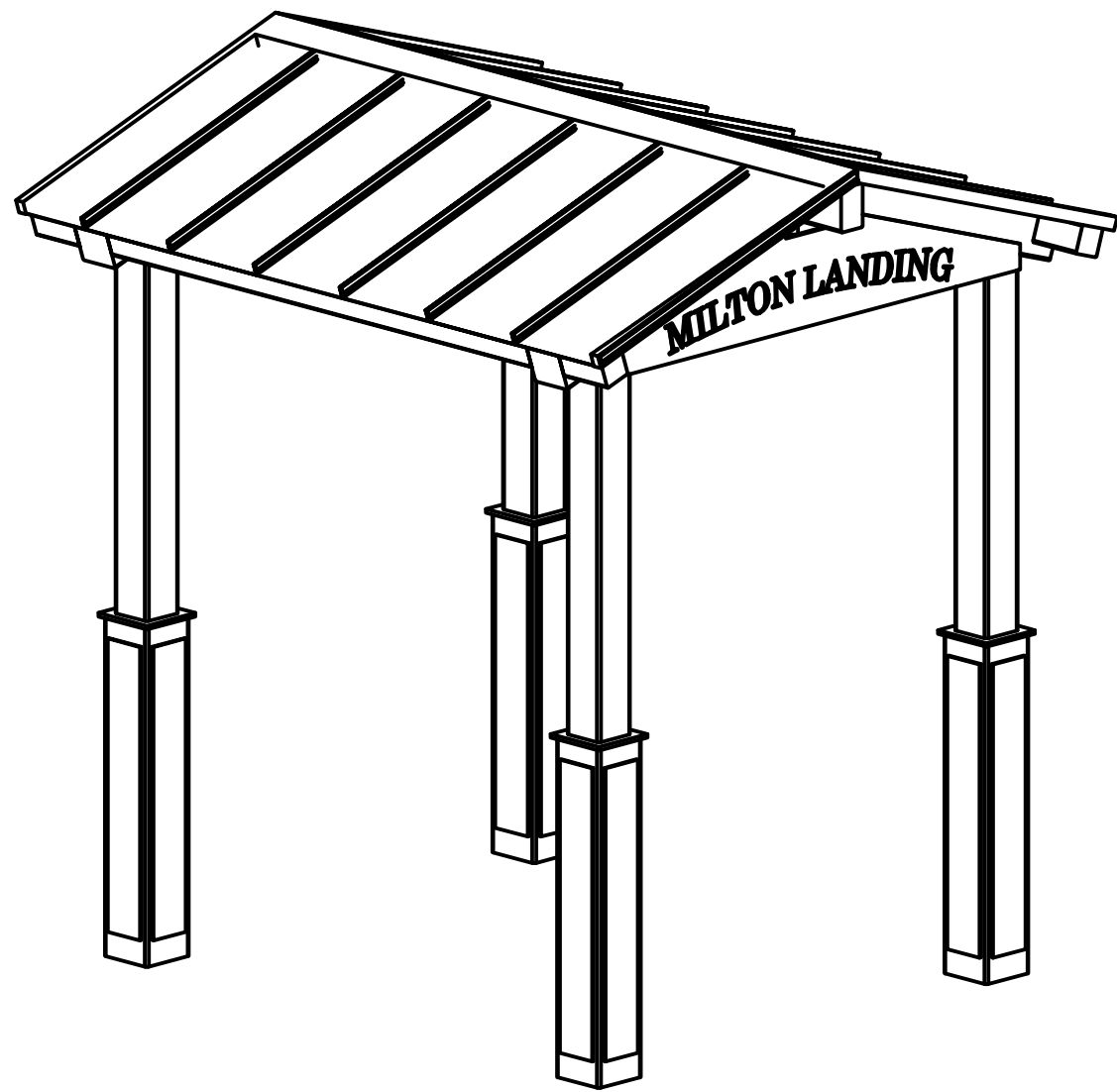
BASEPLATE NOTES:

1. POLYGON ENGINEERING WILL DETERMINE REQUIRED BASEPLATE DESIGN AFTER ENGINEERING PACKAGE IS ORDERED.
2. CUSTOMER MAY SUGGEST PREFERRED BASEPLATE DESIGN.



COLUMN LAYOUT

NOT TO SCALE



**FABRICATOR APPROVALS:**  
CITY OF PHOENIX, AZ APPROVED FABRICATOR #C08-2010  
CITY OF LOS ANGELES, CA APPROVED FABRICATOR #1596  
CITY OF RIVERSIDE, CA APPROVED FABRICATOR #SP06-0033  
CITY OF HOUSTON, TX APPROVED FABRICATOR #470  
CLARK COUNTY, NV APPROVED FABRICATOR #264  
STATE OF UTAH APPROVED FABRICATOR 02008-14

**CERTIFICATES:**  
MIAMI-DADE COUNTY CERTIFICATE OF COMPETENCY NO. 16-1025.01  
PCI (POWDER COATING INSTITUTE) 4000 CERTIFIED

**MATERIALS:**

DESCRIPTION  
TUBE STEEL  
SCHEDULE PIPE  
RMT PIPE  
LIGHT GAGE COLD FORMED  
STRUCTURAL STEEL PLATE  
ROOF PANELS (STEEL)

ASTM DESIGNATION  
A500 (GRADE B)  
A53 (GRADE B)  
A510  
A1003 (GRADE 50)  
A36  
A653

**GENERAL NOTES:**  
UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED TO ONLY SUPPORT WHAT IS SHOWN ON THESE DRAWINGS. POLYGON MUST BE CONTACTED IF ANYTHING ELSE IS TO BE ATTACHED TO THIS STRUCTURE (WALLS, COLUMN WRAPS, RAILINGS, ETC.) SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

UNLESS NOTED OTHERWISE, THIS STRUCTURE WAS DESIGNED ASSUMING A 20' SEPARATION BETWEEN ANY ADJACENT STRUCTURE WITH AN EAVE HEIGHT EQUAL TO OR GREATER THAN THE EAVE HEIGHT OF THIS STRUCTURE. IF THAT SEPARATION DOES NOT EXIST, POLYGON MUST BE CONTACTED SO THE DESIGN OF THIS STRUCTURE CAN BE REVIEWED AND POSSIBLY REVISED.

STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED, AND ERECTED IN ACCORDANCE WITH THE LATEST EDITION OF THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION (AISC) SPECIFICATION MANUAL.

ALL WELDING IS PERFORMED BY AMERICAN WELDING SOCIETY CERTIFIED WELDERS AND CONFORMS TO THE LATEST EDITION OF AWS D1.1 OR D1.2 AS REQUIRED.

PARTS SHOWN MAY BE UPGRADED DUE TO STANDARDIZED FABRICATION. REFER TO THE SHIPPING BILL OF MATERIALS FOR POSSIBLE SUBSTITUTIONS.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT THE PRIMARY FRAME INSTALLER AND THE ROOF INSTALLER HAVE A MINIMUM FIVE (5) YEARS DOCUMENTED EXPERIENCE INSTALLING THIS TYPE OF PRODUCT.

FOR PROPER FIELD INSTALLATION OF THE BUILDING IT IS RECOMMENDED THAT ELECTRIC WIRING, IF REQUIRED, BE RUN THROUGH THE STRUCTURAL MEMBERS BEFORE THE BUILDING IS ERECTED.

MILTON STRUCTURE & NOTES

NOT TO SCALE



BEHAN PLANNING  
AND DESIGN

Behan Planning and Design  
www.behanplanning.com

DESCRIPTION:

DRAWN BY:

DATE:

REV. NO:

DATE:

- Dec. 17th, 2016

DRAWN BY:

J.B.

CHECK BY:

J.P.

PROJECT #:

- 188001

PROJECT NAME:

-

SCALE:

NTS

BEHAN PLANNING & DESIGN

Saratoga Springs Office  
112 Spring Street, Suite 305  
Saratoga Springs, NY 12866  
info@behanplanning.com  
518-583-4335

Milton Railroad  
Station Park

for  
Town of  
Marlborough

Marlborough  
Ulster County  
New York


SHEET TITLE:

Construction  
Details

SHEET NO:

7 of 11




	 <div>BEHAN PLANNING AND DESIGN</div> <div>Behan Planning and Design <a href="#">www.behanplanning.com</a></div>
<div>PLANTS</div> <div>PART 1 - GENERAL</div> <div>1.1 SUMMARY</div> <div>A.WORK INCLUDES:</div> <div>1.Plants: Trees, Shrubs, Perennials and bulbs.</div> <div>B.Related Work/ Sections;</div> <div>1.Section 129300 "Site Furnishings" for benches, gateway structure.</div> <div>2.Section 311000 "Site Clearing" for protection of existing trees and plantings, topsoil stripping and stockpiling and site clearing.</div> <div>3.Section 310000 "Earthwork" for excavation, filling, rough grading and for subsurface aggregate drainage and backfill materials.</div> <div>4.Section 329113 "Soil Preparation"</div> <div>5.Section 329200 "Turf and Grasses" for turf lawn, hydroseeding and erosion control materials.</div> <div>1.2 DEFINITIONS</div> <div>A.Backfill: The earth used to replace or the act of replacing earth in an excavation.</div> <div>B.Balled and Burlapped Stock: Plants dug with firm, natural balls of earth in which they were grown, with ball size not less than diameter and depth recommended by ANSI Z60.1 for type and size of plant required; wrapped with burlap, tied, rigidly supported,</div> <div>C.Baled and Potted Stock: Plants dug with firm, natural balls of earth in which they are grown and placed, unbroken, in a container. Ball size is not less than diameter and depth recommended by ANSI Z60.1 for type and size of plant required.</div> <div>D.Container-Grown Stock: Healthy, vigorous, well-rooted plants grown in a container, with a well-established root system reaching sides of container and maintaining a firm ball when removed from container. Container shall be rigid enough to hold ball shape and protect root mass during shipping and be sized according to ANSI Z60.1 for type and size of plant required.</div> <div>E.Duff Layer: The surface layer of native topsoil that is composed of mostly decayed leaves, twigs, and detritus.</div> <div>F.Finish Grade: Elevation of finished surface of planting soil.</div> <div>G.Manufactured Topsoil: Soil produced off-site by homogeneously blending mineral soils or sand with stabilized organic soil amendments to produce topsoil or planting soil.</div> <div>H.Pesticide: A substance or mixture intended for preventing, destroying, repelling, or mitigating a pest. This includes insecticides, miticides, herbicides, fungicides, rodenticides, and molluscicides. It also includes substances or mixtures intended for use as a plant regulator, defoliant, or desiccant.</div> <div>I.Pests: Living organisms that occur where they are not desired, or that cause damage to plants, animals, or people. These include insects, mites, grubs, mollusks (snails and slugs), rodents (gophers, moles, and mice), unwanted plants (weeds), fungi, bacteria, and viruses.</div> <div>J.Planting Area: Areas to be planted.</div> <div>K.Planting Soil: Standardized topsoil; existing, native surface topsoil; existing, in-place surface soil; imported topsoil; or manufactured topsoil that is modified with soil amendments and perhaps fertilizers to produce a soil mixture best for plant growth.</div> <div>L.Plant, Plants, Plant Material: These terms refer to vegetation in general, including trees, shrubs, perennials, ground covers, ornamental grasses, bulbs, corms, tubers, or herbaceous vegetation.</div> <div>M.Root Flare: Also called "trunk flare."The area at the base of the plant's stem or trunk where the stem or trunk broadens to form roots; the area of transition between the root system and the stem or trunk.</div> <div>N.Stem Girdling Roots: Roots that encircle the stems (trunks) of trees below the soil surface.</div> <div>O.Subgrade: Surface or elevation of subsoil remaining after excavation is complete, or the top surface of a fill or backfill before planting soil is placed.</div> <div>P.Subsoil: All soil beneath the topsoil layer of the soil profile, and typified by the lack of organic matter and soil organisms.</div> <div>Q.Surface Soil: Soil that is present at the top layer of the existing soil profile at the Project site. In undisturbed areas, the surface soil is typically topsoil; but in disturbed areas such as urban environments, the surface soil can be subsoil.</div> <div>1.4 SUBMITTALS:</div> <div>A.Product data/ certificates for each type of manufactured product.</div> <div>B.Bark mulch.</div> <div>C.Qualification Data: For qualified landscape installer. Include list of similar projects completed by installer demonstrating installer's capabilities and experience. Include project names, addresses, and year completed, and include names and addresses of owners' contact persons.</div> <div>D.Warranty: Submit warranties for all items including plantings.</div> <div>1.5 QUALITY ASSURANCE</div> <div>A.Maintain an experienced, full time supervising Landscape Foreperson on site during landscape installation.</div> <div>B.Provide quality, size, genus, species and variety of plants as indicated, complying with ANSI Z60.1.</div> <div>C.Plant Material observation: Landscape Architect may observe plant material either at nursery and tag specific materials for this project or may observe plant material upon delivery to the project site. LA retains the right to reject unsatisfactory or defective plant material at any time during progress of work. Rejected materials shall be removed immediately from the project site. Contractor shall notify the Landscape Architect seven days prior to the delivery of plant materials to the site to allow adequate time for review of materials.</div> <div>1.6 DELIVERY, STORAGE AND HANDLING</div> <div>A.Do not prune trees and shrubs prior to delivery. Protect bark, branches and root systems from sun scald, drying, wind burn, sweating, whipping, and other handling and tying damage.</div> <div>B.Do not bend or bind tie trees or shrubs in such a manner as to destroy their natural shape. Provide protective covering of plants during shipping and delivery.</div> <div>C.Handle planting stock by root ball.</div> <div>C.Store bulbs, corms and tubers in a dry place at 60 - 65 degrees F until planting.</div> <div>D.Deliver plants after preparations for planting have been completed and install plants immediately. If planting is delayed more than 6 hours after delivery, set plants and trees in their appropriate aspect (sun, filtered sun or shade), protect from weather and mechanical damage and keep roots moist.</div> <div>1.Set balled stock on ground and cover ball with soil, peat moss, sawdust, or other acceptable material.</div> <div>2.Do not remove container-grown stock from containers before time of planting.</div> <div>3.Water root systems of plants stored on-site deeply and thoroughly with a fine-mist spray. Water as often as necessary to maintain root systems in a moist, but not overly-wet condition.</div> <div>1.8 PROJECT CONDITIONS</div> <div>A.Field Measurements: Verify actual grade elevations, service and utility locations, and dimensions of plantings and construction contiguous with new plantings by field measurements before proceeding with planting work.</div> <div>B.Interruption of Existing Services or Utilities: Do not interrupt services or utilities to facilities occupied by Owner or others unless permitted under the following conditions and then only after arranging to provide temporary services or utilities according to requirements indicated:</div> <div>1.Notify Owner no fewer than two days in advance of proposed interruption of each service or utility.</div> <div>2.Do not proceed with interruption of services or utilities without Owner's written permission.</div> <div>C.Planting Restrictions: Plant during one of the following periods. Coordinate planting schedules with maintenance periods to provide required maintenance from date of Substantial Completion.</div> <div>1.Spring Planting: Deciduous - March 1 to May 1 / Evergreen - April 1 to May 15</div> <div>2Fall Planting: Deciduous - Oct. 15 to December 1 / Evergreen - Sept. 1 to October 1.</div> <div>D.Weather Limitations: Proceed with planting only when existing and forecasted weather conditions permit planting to be performed when beneficial and optimum results may be obtained. Apply products during favorable weather conditions according to manufacturer's written instructions and warranty requirements.</div> <div>E.Coordination with Turf Areas (Lawns): Plant trees, shrubs, and other plants after finish grades are established and before planting turf areas unless otherwise indicated.</div> <div>1.When planting trees, shrubs, and other plants after planting turf areas, protect turf areas, and promptly repair damage caused by planting operations.</div> <div>1.9 WARRANTY</div> <div>A.Special Warranty: Installer agrees to repair or replace plantings and accessories that fail in materials, workmanship, or growth within specified warranty period.</div> <div>1.Failures include, but are not limited to, the following:</div> <div>a.Death and unsatisfactory growth, except for defects resulting from abuse, lack of adequate maintenance, or neglect by Owner, or incidents that are beyond Contractor's control.</div> <div>b.Structural failures including plantings falling or blowing over.</div> <div>c.Faulty performance of tree stabilization.</div> <div>d.Deterioration of materials beyond normal weathering.</div> <div>2.Warranty Periods from Date of Substantial Completion.</div> <div>a.Trees, Shrubs, Vines, and Ornamental Grasses: 12 months.</div> <div>b.Ground Covers, Biennials, Perennials, and Other Plants: 12 months.</div> <div>c.Annuals: Growing season.</div> <div>3.Include the following remedial actions as a minimum:</div> <div>a.Immediately remove dead plants and replace unless required to plant in the succeeding planting season.</div> <div>b.Replace plants that are more than 25 percent dead or in an unhealthy condition at end of warranty period.</div> <div>c.A limit of one replacement of each plant will be required except for losses or replacements due to failure to comply with requirements.</div> <div>d.Provide extended warranty for period equal to original warranty period, for replaced plant material.</div> <div>1.10MAINTENANCE SERVICE</div> <div>A.Initial Maintenance Service for Trees and Shrubs: Provides maintenance by skilled employees of landscape installer. Maintain as required in Part 3. Begin maintenance immediately after plants are installed and continue until plantings are acceptably healthy and well established but for not less than maintenance period below.</div> <div>1.Maintenance Period: 12 months from date of Substantial Completion.</div> <div>B.Initial Maintenance Service for Ground Cover and Other Plants: Provide maintenance by skilled employees of landscape installer. Maintain as required in Part 3. Begin maintenance immediately after plants are installed and continue until plantings are acceptably healthy and well established but for not less than maintenance period below.</div> <div>1.Maintenance Period: 12 months from date of Substantial Completion.</div> <div>C.Continuing Maintenance Proposal: From Installer to Owner, in the form of a standard yearly (or other periodic) maintenance agreement, starting on date initial maintenance service is concluded. State services, obligations, conditions, and terms for agreement period and for future renewal options.</div>	<div>PLANTS</div> <div>PART 2 - PRODUCTS</div> <div>2.1 PLANT MATERIAL</div> <div>A.General: Furnish nursery-grown plants true to genus, species, variety, cultivar, stem form, shearing, and other features indicated in Plant Schedule or Plant Legend shown on Drawings and complying with ANSI Z60.1; and with healthy root systems developed by transplanting or root pruning. Provide well-shaped, fully branched, healthy, vigorous stock, densely foliated when in leaf and free of disease, pests, eggs, larvae, and defects such as knots, sun scald, injuries, abrasions, and dieback.</div> <div>1.Trees with damaged, crooked, or multiple leaders; tight vertical branches where bark is squeezed between two branches or between branch and trunk ("included bark"); crossing trunks; cut-off limbs more than ¾ inch (19 mm) in diameter; or with stem girdling roots will be rejected.</div> <div>2.Collected Stock: Do not use plants harvested from the wild, from native stands, from an established landscape planting, or not grown in a nursery unless otherwise indicated.</div> <div>B.Provide plants of sizes, grades, and ball or container sizes complying with ANSI Z60.1 for types and form of plants required. Plants of a larger size may be used if acceptable to Engineer, with a proportionate increase in size of roots or balls.</div> <div>C.Root-Ball Depth: Furnish trees and shrubs with root balls measured from top of root ball, which shall begin at root flare according to ANSI Z60.1. Root flare shall be visible before planting.</div> <div>D.Labeling: Label each plant of each variety, size, and caliper with a securely attached, waterproof tag bearing legible designation of common name and full scientific name, including genus and species. Include nomenclature for hybrid, variety, or cultivar, if applicable for the plant as shown on Drawings.</div> <div>E.If formal arrangements or consecutive order of plants is shown on Drawings, select stock for uniform height and spread, and number the labels to assure symmetry in planting.</div> <div>F.Annuals: Provide healthy, disease-free plants of species and variety shown or listed, with well-established root systems reaching to sides of the container to maintain a firm ball, but not with excessive root growth encircling the container. Provide only plants that are acclimated to outdoor conditions before delivery and that are in bud but not yet in bloom.</div> <div>2.2 INORGANIC SOIL AMENDMENTS</div> <div>A.Lime: ASTM C 602, agricultural liming material containing a minimum of 80 percent calcium carbonate equivalent and as follows:</div> <div>1.Class: T, with a minimum of 99 percent passing through No. 8 (2.36-mm) sieve and a minimum of 75 percent passing through No. 60 (0.25-mm) sieve.</div> <div>2.Class: O, with a minimum of 95 percent passing through No. 8 (2.36-mm) sieve and a minimum of 55 percent passing through No. 60 (0.25-mm) sieve.</div> <div>3.Provide lime in form of ground dolomite limestone.</div> <div>B.Sulfur: Granular, biodegradable, and contain a minimum of 90 percent sulfur, with a minimum of 99 percent passing through No. 6 (3.35-mm) sieve and a maximum of 10 percent passing through No. 40 (0.425-mm) sieve.</div> <div>C.Iron Sulfate: Granulated ferrous sulfate containing a minimum of 20 percent iron and 10 percent sulfur.</div> <div>D.Aluminum Sulfate: Commercial grade, unadulterated.</div> <div>E.Perlite: Horticultural perlite, soil amendment grade.</div> <div>F.Agricultural Gypsum: Minimum 90 percent calcium sulfate, finely ground with 90 percent passing through No. 50 (0.30-mm) sieve.</div> <div>G.Sand: Clean, washed, natural or manufactured, and free of toxic materials.</div> <div>H.Diatomaceous Earth: Calicined, 90 percent silica, with approximately 140 percent water absorption capacity by weight.</div> <div>2.3 ORGANIC SOIL AMENDMENTS</div> <div>A.Compost: Well-composted, stable, and weed-free organic matter, pH range of 5.5 to 8; moisture content 35 to 55 percent by weight; 100 percent passing through ¼-inch (25-mm) sieve; soluble salt content of 5 to 10 decigrams/m; not exceeding 0.5 percent inert contaminants and free of substances toxic to plantings; and as follows:</div> <div>1.Organic Matter Content: 50 to 60 percent dry weight.</div> <div>2.Feedstock: Agricultural, food, or industrial residuals; biosolids; yard trimmings; or source-separated or compostable mixed solid waste.</div> <div>B.Sphagnum Peat: Partially decomposed sphagnum peat moss, finely divided or granular texture, with a pH range of 3.4 to 4.8.</div> <div>C.Wood Derivatives: Decomposed, nitrogen-treated sawdust, ground bark, or wood waste; of uniform texture and free of chips, stones, sticks, soil, or other bedding materials.</div> <div>1.In lieu of decomposed wood derivatives, mix partially decomposed wood derivatives with ammonium nitrate at a minimum rate of 0.15 lb/cu. ft. (2.4 kg/cu. M) of loose sawdust or ground bark.</div> <div>D.Manure: Well-rotted, unleached, stable or cattle manure containing not more than 25 percent by volume of straw, sawdust, or other bedding materials; free of toxic substances, stones, sticks, soil, weed seed, debris, and material harmful to plant growth.</div> <div>2.4 FERTILIZERS</div> <div>A.Bonemeal: Commercial, raw or steamed, finely ground; a minimum of 4 percent nitrogen and 20 percent phosphoric acid.</div> <div>B.Superphosphate: Commercial, phosphate mixture, soluble; a minimum of 20 percent available phosphoric acid.</div> <div>C.Commercial Fertilizer: Commercial-grade complete fertilizer of neutral character, consisting of fast- and slow-release nitrogen, 50 percent derived from natural organic sources of urea formaldehyde, phosphorous, and potassium in the following composition:</div> <div>1.Composition: 1 lb/1000 sq. ft. (0.45 kg/92.9 sq. m) of actual nitrogen, 4 percent phosphorus, and 2</div>








PARK GATEWAY SHELTER			GRANITE			POROUS PAVING SURFACE PRODUCT, TYPE POROUS PAVE XL			<div><div>Behan Planning and Design</div><div>www.behanplanning.com</div></div> 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