

LEGEND

- PROPOSED PROPERTY LINE
- PROPOSED SETBACK LINE
- 100' PROPOSED CONTOUR
- PROPOSED CURB
- PROPOSED FENCE
- PROPOSED GRAVEL
- PROPOSED PAVEMENT
- PROPOSED GUARD RAIL
- PROPOSED ELECTRIC
- FM --- PROPOSED FORCEMAIN
- G --- PROPOSED GAS
- ST --- PROPOSED STORM
- S --- PROPOSED GRAVITY SEWER
- T --- PROPOSED TELEPHONE
- W --- PROPOSED WATER
- PROPOSED SWALE

- ⊙ PROPOSED SEWER MANHOLE
- ⊙ PROPOSED STORM MANHOLE
- ⊙ PROPOSED CATCH BASIN
- ⊙ PROPOSED WELL
- ⊙ PROPOSED HYDRANT
- ⊙ PROPOSED SHUT OFF
- ⊙ PROPOSED UTILITY POLE
- ⊙ PROPOSED LIGHT POLE
- ⊙ PROPOSED EDGE OF BRUSH/WOODS
- REBAR SET
- CONCRETE MONUMENT SET

GENERAL NOTES

1. UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SURVEYED PREMISES. EXISTING UTILITY LOCATIONS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL UTILITY CONFLICTS. ALL DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER. THE CONTRACTOR SHALL CONTACT DIG SAFE (888-344-7233) PRIOR TO ANY CONSTRUCTION.
2. ALL EXISTING UTILITIES NOT INCORPORATED INTO THE FINAL DESIGN SHALL BE REMOVED OR ABANDONED AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER.
3. THE CONTRACTOR SHALL MAINTAIN AS-BUILT PLANS (WITH TIES) FOR ALL UNDERGROUND UTILITIES. THOSE PLANS SHALL BE SUBMITTED TO THE OWNER AT THE COMPLETION OF THE PROJECT.
4. THE CONTRACTOR SHALL REPAIR/RESTORE ALL DISTURBED AREAS (ON OR OFF THE SITE) AS A DIRECT OR INDIRECT RESULT OF THE CONSTRUCTION.
5. ALL GRASSED AREAS SHALL BE MAINTAINED UNTIL FULL VEGETATION IS ESTABLISHED.
6. MAINTAIN ALL TREES OUTSIDE OF CONSTRUCTION LIMITS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY FOR COMPLETE AND OPERABLE FACILITIES AND UTILITIES.
8. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL ITEMS AND MATERIALS INCORPORATED INTO THE SITE WORK. WORK SHALL NOT BEGIN ON ANY ITEM UNTIL SHOP DRAWING APPROVAL IS GRANTED.
9. IN ADDITION TO THE REQUIREMENTS SET IN THESE PLANS AND SPECIFICATIONS, THE CONTRACTOR SHALL COMPLETE THE WORK IN ACCORDANCE WITH ALL PERMIT CONDITIONS AND ANY LOCAL PUBLIC WORKS STANDARDS.
10. THE TOLERANCE FOR FINISH GRADES FOR ALL PAVEMENT, WALKWAYS AND LAWN AREAS SHALL BE 0.1 FEET.
11. ANY DEWATERING NECESSARY FOR THE COMPLETION OF THE SITING WORK SHALL BE CONSIDERED AS PART OF THE CONTRACT AND SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
12. THE CONTRACTOR SHALL COORDINATE ALL WORK WITHIN TOWN ROAD R.O.W. WITH TOWN AUTHORITIES.
13. THE CONTRACTOR SHALL INSTALL THE ELECTRICAL, CABLE AND TELEPHONE SERVICES IN ACCORDANCE WITH THE UTILITY COMPANIES REQUIREMENTS.
14. EXISTING PAVEMENT AND TREE STUMPS TO BE REMOVED SHALL BE DISPOSED OF AT AN APPROVED OFF-SITE LOCATION. ALL PAVEMENT CUTS SHALL BE MADE WITH A PAVEMENT SAW.
15. IF THERE ARE ANY CONFLICTS OR INCONSISTENCIES WITH THE PLANS OR SPECIFICATIONS, THE CONTRACTOR SHALL CONTACT THE ENGINEER FOR VERIFICATION BEFORE WORK CONTINUES ON THE ITEM IN QUESTION.
16. PROPERTY LINE INFORMATION IS APPROXIMATE AND BASED ON EXISTING TAX MAP INFORMATION. THIS PLAN IS NOT A BOUNDARY SURVEY AND IS NOT INTENDED TO BE USED AS ONE.
17. IF THE BUILDING IS TO BE SPRINKLERED, BACKFLOW PREVENTION SHALL BE PROVIDED IN ACCORDANCE WITH AWWA M14. THE SITE CONTRACTOR SHALL CONSTRUCT THE WATER LINE TO TWO FEET ABOVE THE FINISHED FLOOR. SEE MECHANICAL PLANS FOR RISER DETAIL.
18. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING TESTING AND INSPECTION SERVICES INDICATED IN THE CONTRACT DOCUMENTS, TYPICAL FOR CONCRETE AND SOIL TESTING.
19. THE CONTRACTOR IS RESPONSIBLE FOR ALL LAYOUT AND FIELD ENGINEERING REQUIRED FOR COMPLETION OF THE PROJECT. CIVIL ENGINEERING ASSOCIATES WILL PROVIDE AN AUTOCAD FILE WHERE APPLICABLE.
20. THE OWNER SHALL BE RESPONSIBLE FOR THE INSTALLATION OF ANY AND ALL SAFETY FENCES OR RAILS ABOVE EXISTING AND PROPOSED WALLS. THE OWNER SHALL VERIFY LOCAL, STATE AND INSURANCE REQUIREMENT GUIDELINES FOR THE INSTALLATION AND VERIFY ANY AND ALL PERMITTING REQUIREMENTS.



SITE ENGINEER:



CIVIL ENGINEERING ASSOCIATES, INC.
10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
802-864-2323 FAX: 802-864-2271 web: www.ceavt.com

COPYRIGHT © 2016 - ALL RIGHTS RESERVED

DRAWN SAL	
CHECKED DSM	
APPROVED DSM	
OWNER:	

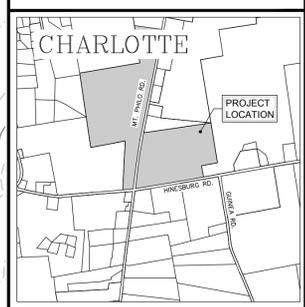
**PHILO RIDGE,
L.L.C.**

2766 MT. PHILO RD.
CHARLOTTE, VT.

PROJECT:

**SITE
IMPROVEMENTS**

2766 MT. PHILO RD.
CHARLOTTE, VT.

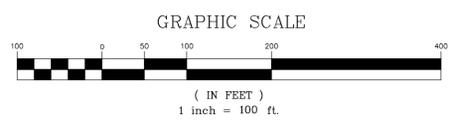


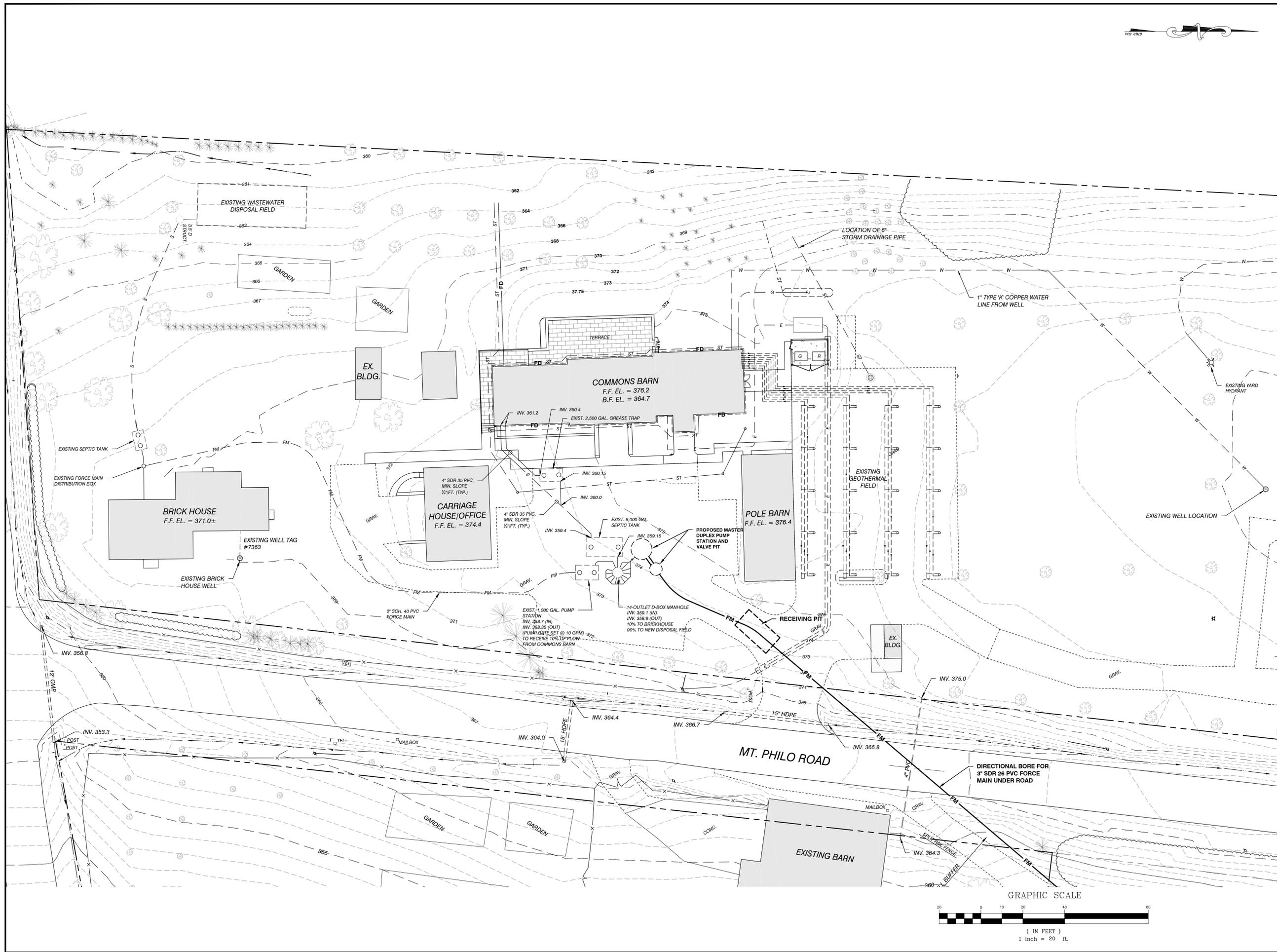
LOCATION MAP
1" = 2000'

DATE	CHECKED	REVISION

**PROPOSED
OVERALL SITE
PLAN**

DATE OCT., 2018	DRAWING NUMBER C1.0
SCALE 1" = 100'	
PROJ. NO. 16107	





SITE ENGINEER:



CIVIL ENGINEERING ASSOCIATES, INC.
 10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
 802-864-2323 FAX: 802-864-2271 web: www.cca-vt.com

COPYRIGHT © 2016 - ALL RIGHTS RESERVED

DRAWN SAL	
CHECKED DSM	
APPROVED DSM	
OWNER:	

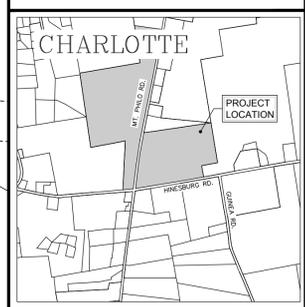
**PHILO RIDGE,
L.L.C.**

 2766 MT. PHILO RD.
 CHARLOTTE, VT.

PROJECT:

**SITE
IMPROVEMENTS**

 2766 MT. PHILO RD.
 CHARLOTTE, VT.

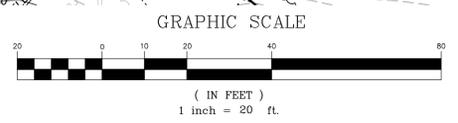


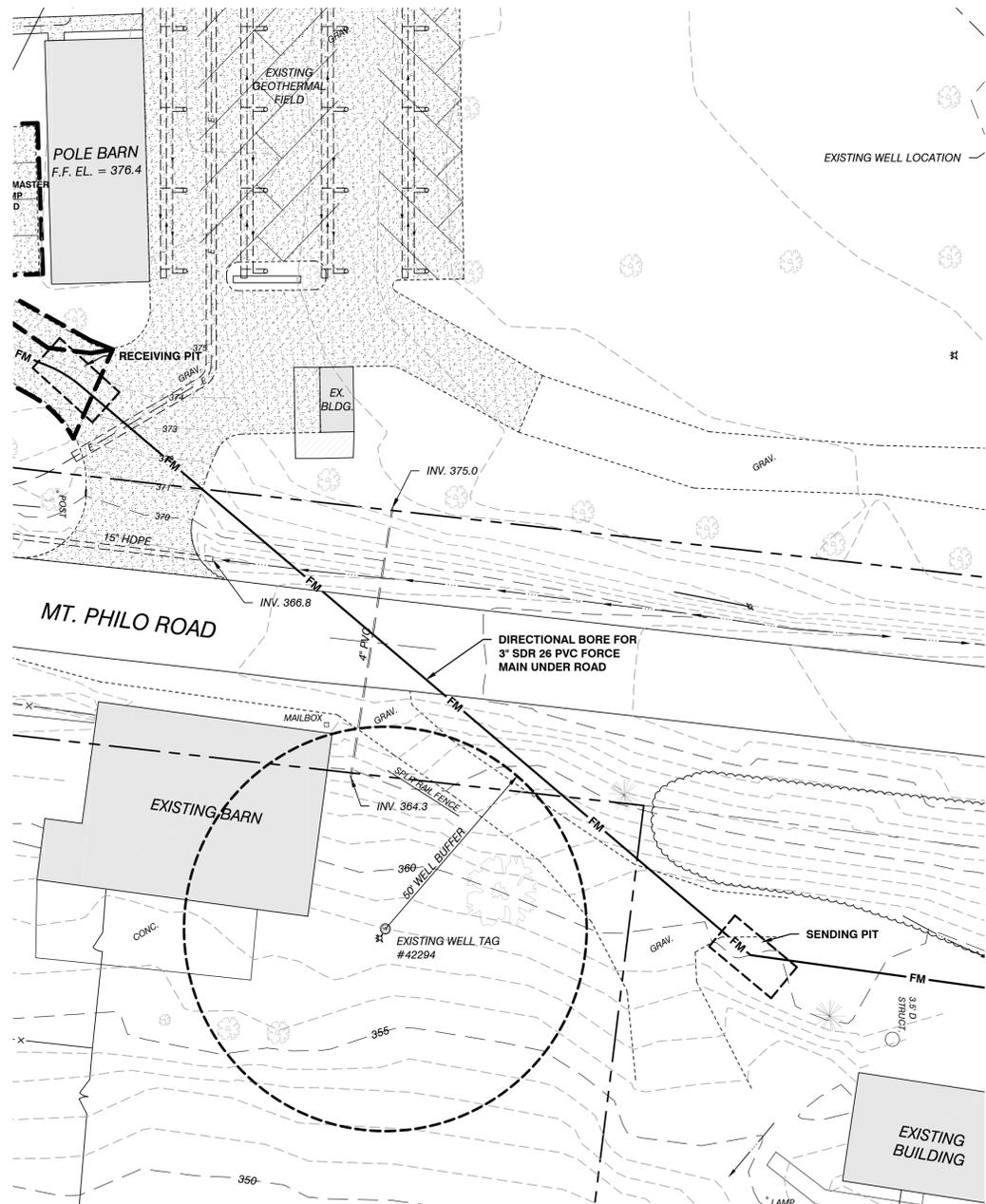
LOCATION MAP
1" = 2000'

DATE	CHECKED	REVISION

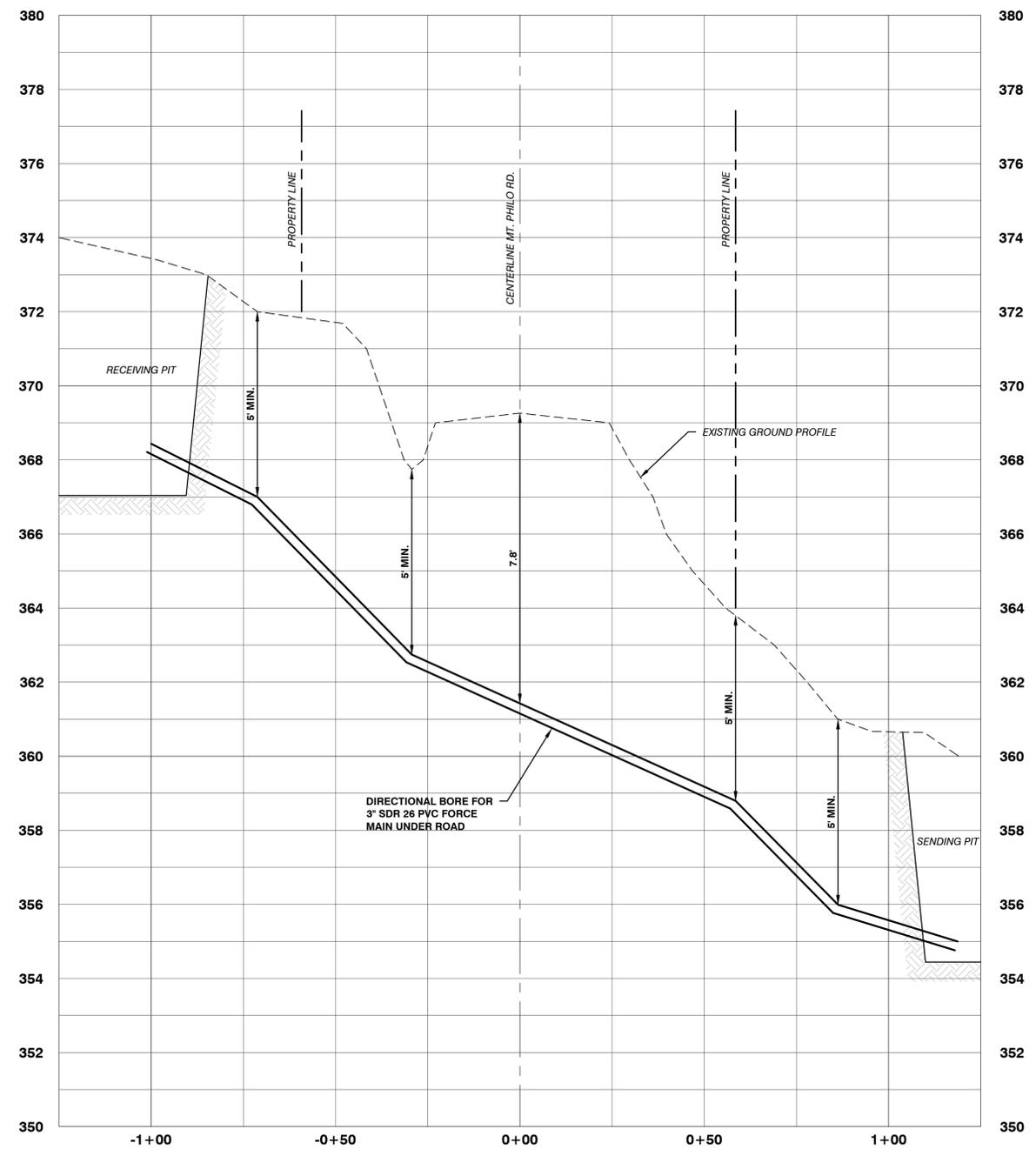
**PROPOSED
CONDITIONS
PARTIAL SITE PLAN**

DATE OCT., 2018	DRAWING NUMBER C1.1
SCALE 1" = 20'	
PROJ. NO. 16107	





PARTIAL SITE PLAN
SCALE: 1"=20'



FORCE MAIN DIRECTIONAL BORE
SCALE: 1"=20' HOR.
1"=2' VERT.

SITE ENGINEER:



CIVIL ENGINEERING ASSOCIATES, INC.
10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
802-864-2323 FAX: 802-864-2271 web: www.cca-vt.com

COPYRIGHT © 2016 - ALL RIGHTS RESERVED

DRAWN
SAL
CHECKED
DSM
APPROVED
DSM



OWNER:

**PHILO RIDGE,
L.L.C.**

2766 MT. PHILO RD.
CHARLOTTE, VT.

PROJECT:

**SITE
IMPROVEMENTS**

2766 MT. PHILO RD.
CHARLOTTE, VT.

DATE	CHECKED	REVISION

**FORCEMAIN
PROFILE ACROSS
MT. PHILO ROAD**

DATE
OCT., 2018
SCALE
AS SHOWN
PROJ. NO.
16107

DRAWING NUMBER
C1.3

Philo Ridge- North Field
Test Pits
February 22, 2016

D. Marshall, P. Leclair

TP #1
0"-6" Loose dark brown loam
6"-18" Loose brown loam
18"-23" Loose brown loam and cobbles
23"-26" Compact brown silt loam
26"-39" Loose brown very fine sandy loam and cobbles
39"-55" Medium compact light brown very fine sandy loam, damp

SHGWT 22" Roots to 30"
No seeps No ledge

TP #2
0"-6" Loose friable brown loam
6"-19" Loose light brown loam
19"-36" Medium compact brown loam
36"-48" Loose brown loam

SHGWT 17" Roots to 19"
Seeps at 40" No ledge

TP #3
0"-6" Loose brown loam
6"-17" Loose light brown loam
17"-32" Medium compact brown loam
32"-61" Loose to medium compact damp loam

SHGWT 16" Roots to 22"
Seeps at 32" No ledge

TP #4
0"-6" Loose light brown loam
6"-11" Loose brown loam
11"-20" Medium compact gray brown silt loam
20"-47" Medium compact brown very fine sandy loam

SHGWT 14" Roots to 18"
Seeps at 26" No ledge

TP #5
0"-6" Loose brown very fine sandy loam
6"-19" Loose friable light-brown loam
19"-25" Loose light brown very fine sandy loam
25"-43" Medium compact to compact light brown loam
43"-55" Loose gray brown gravelly loam, damp

SHGWT 23" Roots to 23"
No seeps No ledge

TP #6
0"-7" Loose brown very fine sandy loam
7"-23" Loose light brown loam and cobbles
23"-42" Medium compact light brown loam and cobbles
42"-53" Loose gray-brown damp cobble loam

SHGWT 20" Roots to 27"
Seeps at 40" No ledge

TP #7
0"-7" Loose brown loam-frozen
7"-20" Loose light brown loam
20"-33" Medium compact to compact light brown loam
33"-40" Loose brown fine sandy loam and cobbles
40"-48" Medium compact brown fine sandy loam and cobbles

SHGWT 18" Roots to 20"
No seeps No ledge

TP #8
0"-7" Loose brown loam
7"-16" Loose light brown loam
16"-28" Loose brown loam and cobbles
28"-38" Compact gray-brown silt loam
38"-53" Loose brown very fine silt loam, damp

SHGWT 24" Roots to 27"
No seeps No ledge

TP #9
0"-8" Loose friable brown loam
8"-16" Loose light brown loam
16"-26" Loose brown loam and cobbles
26"-33" Compact brown silt loam
33"-42" Loose brown loam
42"-52" Loose brown loam and cobbles

SHGWT 23" Roots to 24"
No seeps No ledge

TP #10
0"-8" Loose friable brown loam
8"-28" Loose light brown loam and cobbles
28"-49" Medium compact to compact brown loam

SHGWT 25" Roots to 25"
Seeps at 39" No ledge

TP #11
0"-8" Loose brown very fine sandy loam
8"-23" Loose light brown cobbles and loam
23"-33" Loose brown loam
33"-50" Loose damp light brown sandy loam

SHGWT 27" Roots to 25"
Seeps at 33" No ledge

TP #12
0"-8" Loose brown very fine sandy loam
8"-20" Loose light brown very fine sandy loam
20"-27" Medium compact very fine sandy loam
27"-34" Firm gray-brown clay silt
34"-56" Brown silt

SHGWT 22" Roots to 30"
No seeps No ledge

Philo Ridge- North Field
Test Pits
November 8, 2017

Percolation Tests

- #1 22 Min/Inch
- #2 18 Min/Inch
- #3 25 Min/Inch

TP #13
0"-6" Loose deep brown loam
6"-10" Loose brown medium blocky loam
10"-20" Loose to medium compact strong blocky very fine sandy loam
20"-29" Medium compact blocky gray-brown loam
29"-35" Compact gray-brown loam
35"-47" Medium compact orange-brown loam

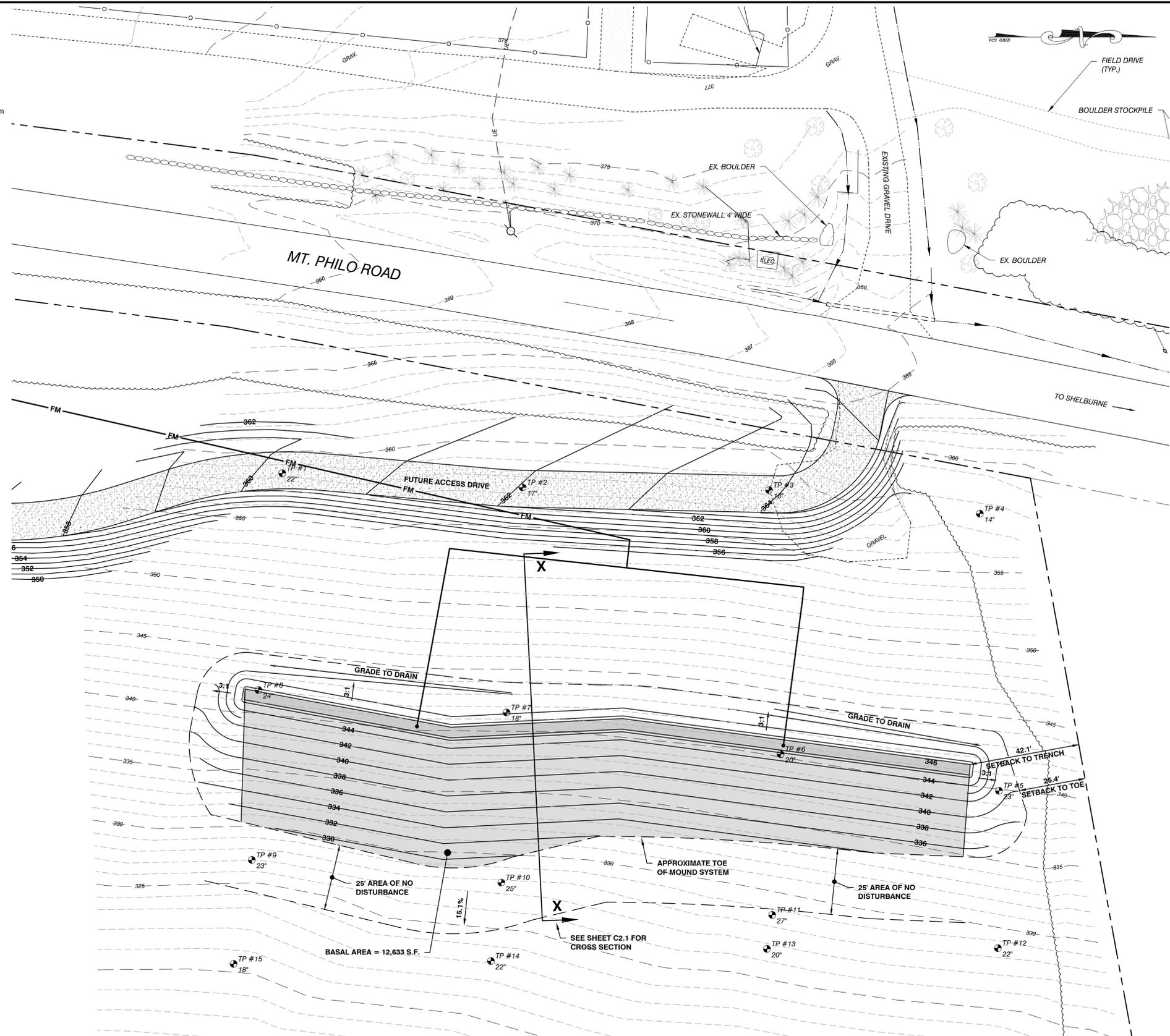
SHGWT 20" Roots to 29"
No seeps No ledge

TP #14
0"-5" Loose brown very fine sandy loam
5"-10" Loose dark brown very fine sandy loam
10"-22" Medium compact orange-brown medium blocky very fine sandy loam
22"-31" Medium compact brown loam
31"-38" Firm gray-brown silt clay
38"-45" Firm brown silt clay

SHGWT 22" Roots to 24"
No seeps No ledge

TP #15
0"-6" Loose dark brown loam
6"-18" Loose to medium compact medium blocky brown loam
18"-32" Firm gray-brown silt
32"-46" Stiff gray-brown silt clay

SHGWT 18" Roots to 29"
No seeps No ledge



SITE ENGINEER:



CIVIL ENGINEERING ASSOCIATES, INC.
10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
802-864-2323 FAX: 802-864-2271 web: www.ceai.vt.com

COPYRIGHT © 2016 - ALL RIGHTS RESERVED

DRAWN
SAL
CHECKED
DSM
APPROVED
DSM



OWNER:

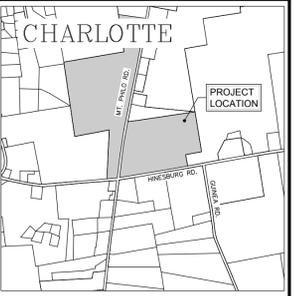
**PHILO RIDGE,
L.L.C.**

2766 MT. PHILO RD.
CHARLOTTE, VT.

PROJECT:

**SITE
IMPROVEMENTS**

2766 MT. PHILO RD.
CHARLOTTE, VT.



LOCATION MAP

1" = 200'

DATE	CHECKED	REVISION

**PROPOSED
CONDITIONS
PARTIAL SITE PLAN**

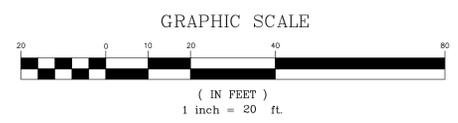
DATE
OCT., 2018

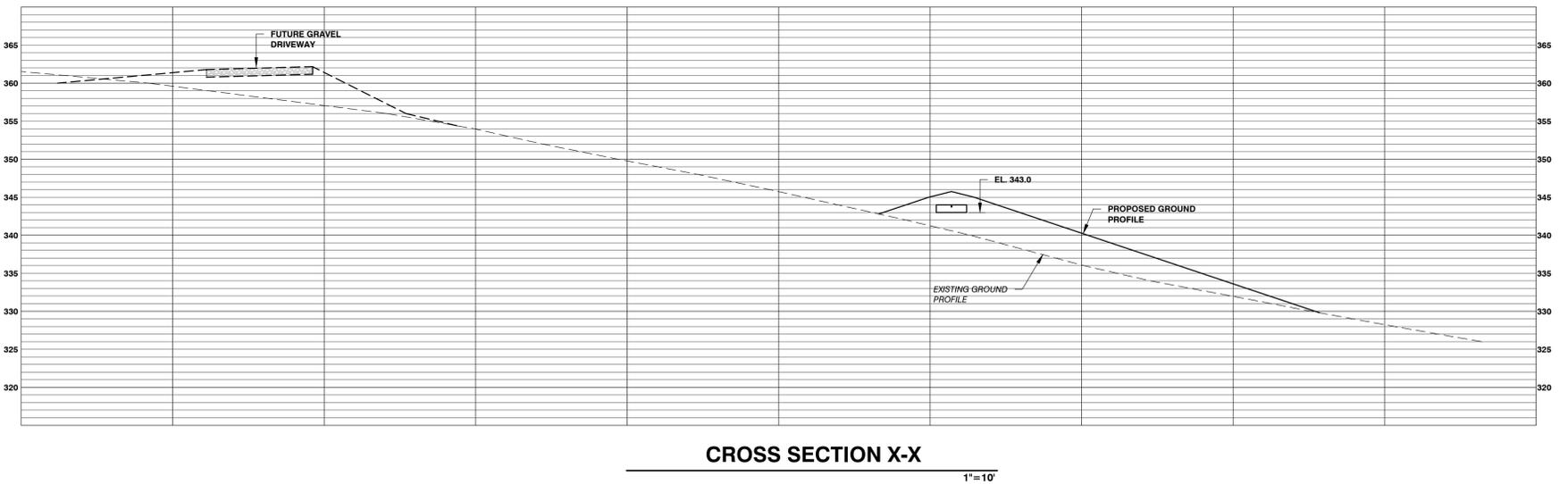
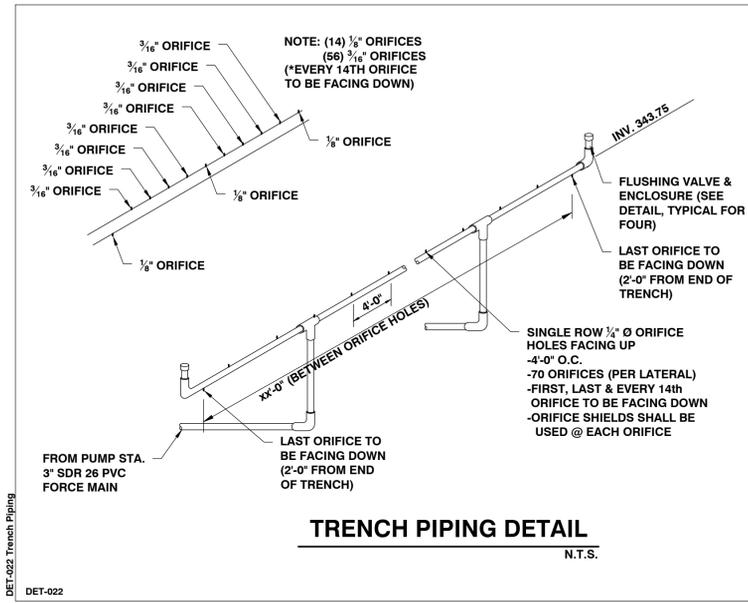
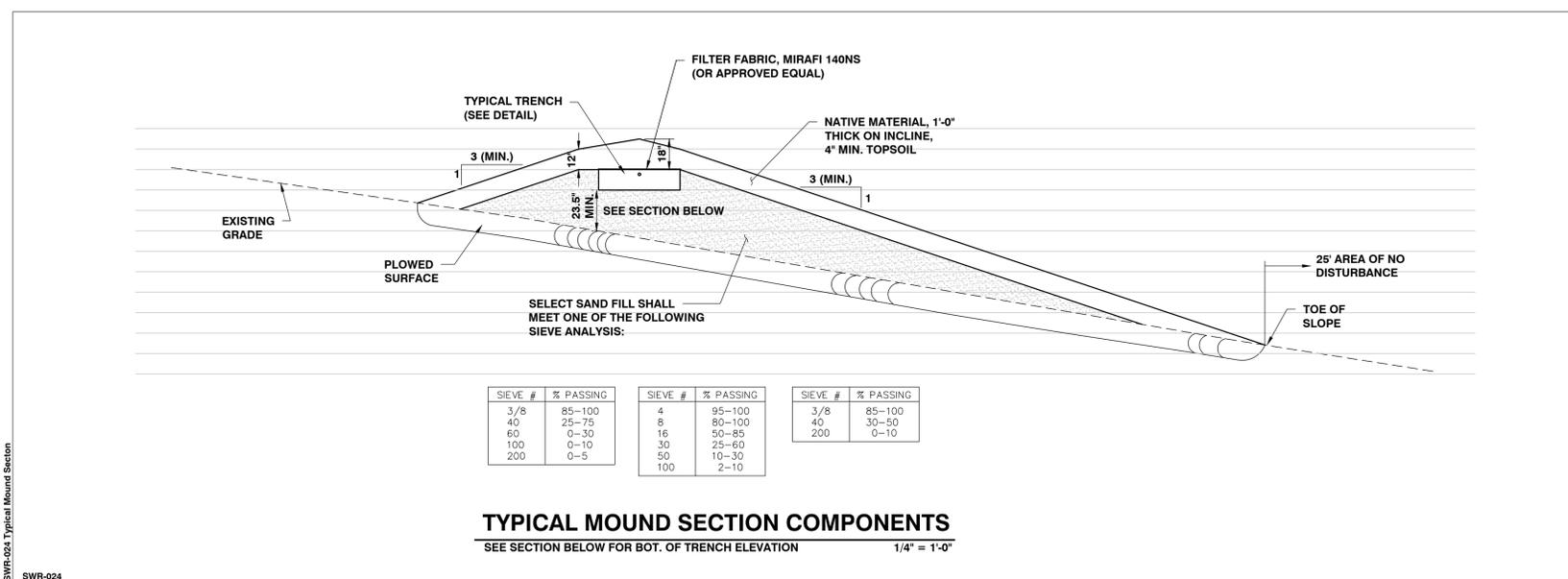
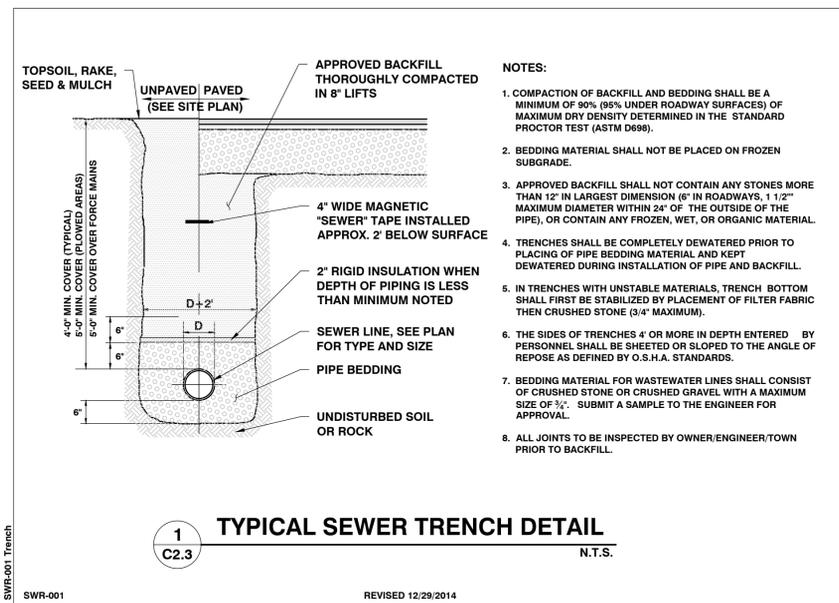
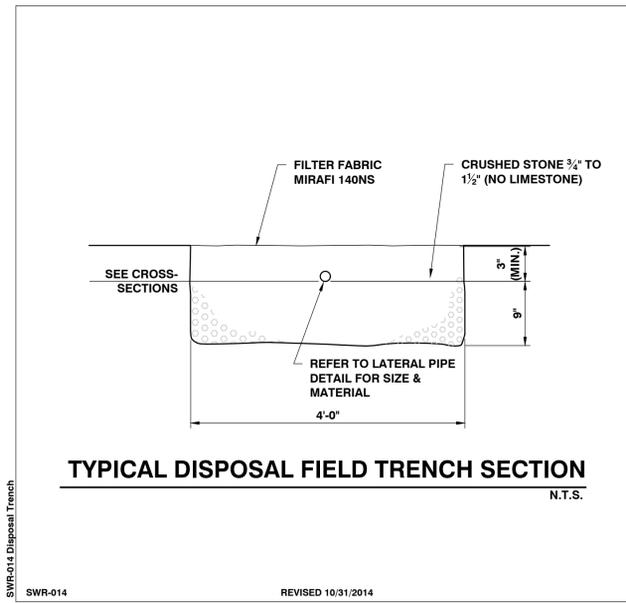
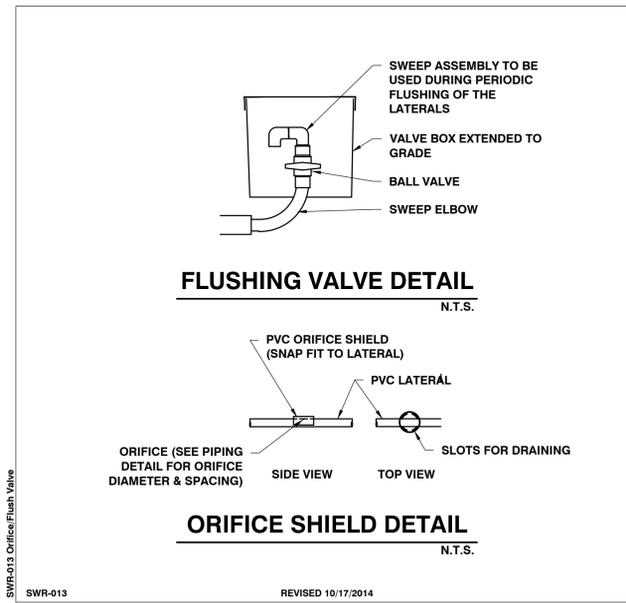
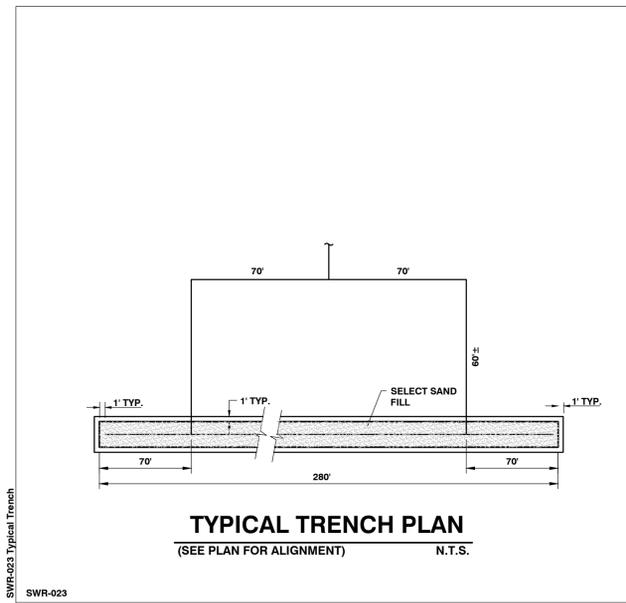
SCALE
1" = 20'

PROJ. NO.
16107

DRAWING NUMBER

C1.4





SITE ENGINEER:

CIVIL ENGINEERING ASSOCIATES, INC.
10 MANSFIELD VIEW LANE, SOUTH BURLINGTON, VT 05403
802-864-2323 FAX: 802-864-2271 web: www.cea-vt.com

COPYRIGHT © 2016 - ALL RIGHTS RESERVED

DRAWN: SAL
CHECKED: DSM
APPROVED: DSM

OWNER:
PHILO RIDGE, L.L.C.
2766 MT. PHILO RD.
CHARLOTTE, VT.

PROJECT:
SITE IMPROVEMENTS
2766 MT. PHILO RD.
CHARLOTTE, VT.

DATE	CHECKED	REVISION

SEWER DETAILS

DATE: OCT., 2018
SCALE: AS SHOWN
PROJ. NO.: 16107

DRAWING NUMBER:
C2.1