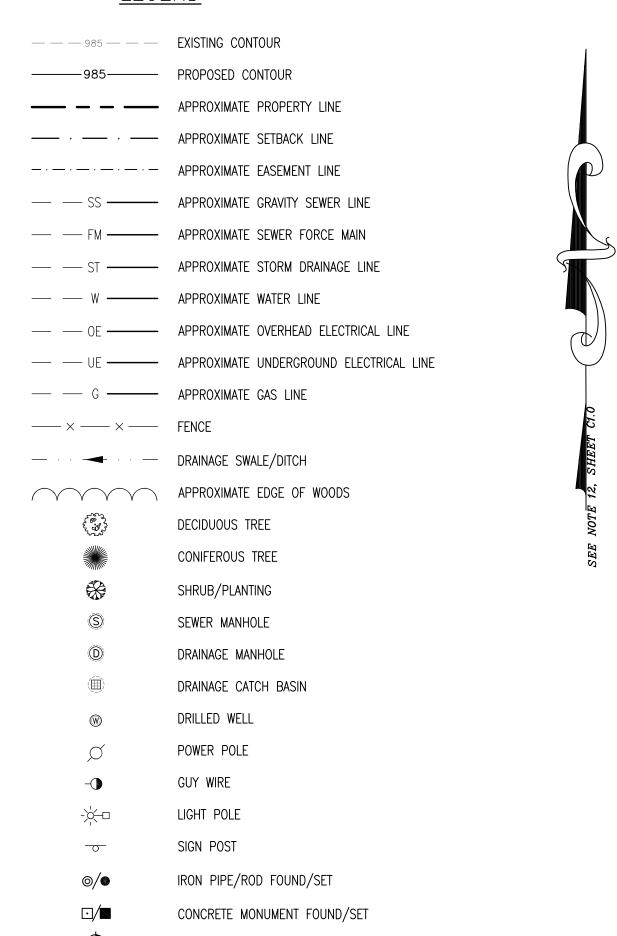
### <u>LEGEND</u>



### GENERAL NOTES

PROJECT BENCHMARK

1) UTILITIES SHOWN DO NOT PURPORT TO CONSTITUTE OR REPRESENT ALL UTILITIES LOCATED UPON OR ADJACENT TO THE SITE SHOWN. EXISTING UTILITIES SHOWN ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL CONTACT DIGSAFE (888–344–7233) PRIOR TO CONSTRUCTION, FIELD VERIFY ALL UTILITY CONFLICTS AND REPORT THEM TO THE DESIGNER. ANY EXISTING UTILITIES NOT INCORPORATED INTO THE FINAL DESIGN SHALL BE REMOVED OR ABANDONED AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

2) THE CONTRACTOR SHALL CONTACT THE ENGINEER PRIOR TO THE COMMENCEMENT OF WORK AND SHALL COORDINATE ALL REQUIRED INSPECTIONS.

3) THE CONTRACTOR IS RESPONSIBLE FOR SAFE CONSTRUCTION OPERATIONS AND SHALL CONFORM TO ALL APPLICABLE REGULATIONS FOR SITE SAFETY.

4) THE CONTRACTOR IS RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL APPLICABLE EROSION CONTROL MEASURES. REFER TO THE MOST RECENT PUBLICATION OF THE STATE OF VERMONT EROSION CONTROL HANDBOOK.

5) THE CONTRACTOR SHALL NOTIFY THE DESIGNER OF ANY SITE CONDITIONS NOT REPRESENTED ON THE PLANS THAT INFLUENCE THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.

6) THE CONTRACTOR SHALL REPAIR ALL DISTURBED AREAS AS A DIRECT OR INDIRECT RESULT OF THE CONSTRUCTION TO THEIR ORIGINAL CONDITIONS. ALL GRASS LAWN AREAS SHALL BE MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED. MAINTAIN ALL TREES OUTSIDE OF THE 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 AND UTILITIES. WORK SHALL NOT COMMENCE ON ANY ITEM UNTIL SHOP DRAWING APPROVAL IS GRANTED.

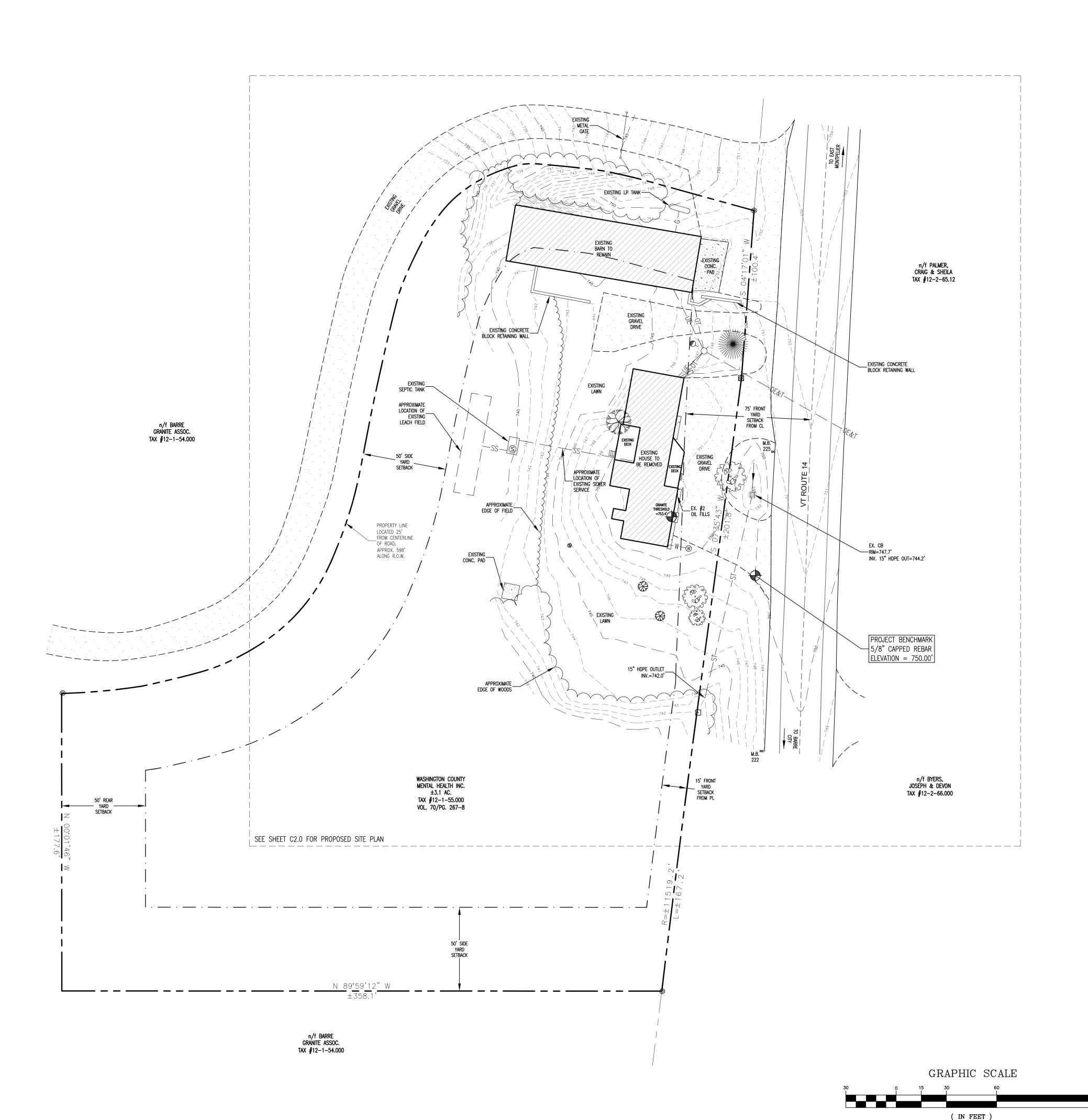
9) IN ADDITION TO THE REQUIREMENTS IN THESE PLANS, THE CONTRACTOR SHALL COMPLETE THE WORK IN ACCORDANCE WITH ALL LOCAL AND STATE PERMIT CONDITIONS, AS WELL AS THE MOST RECENT EDITION OF THE STATE OF VERMONT ENVIRONMENTAL PROTECTION RULES. UNLESS OTHERWISE NOTED, ALL MATERIALS, ITEMS AND INSTALLATION PROCEDURES SHALL CONFORM TO THE LATEST EDITION OF THE VERMONT AGENCY OF TRANSPORTATION (AOT) STANDARD SPECIFICATIONS FOR CONSTRUCTION.

10) THE TOLERANCE FOR ALL FINISHED GRADES SHALL BE 0.1 FEET.

11) THE CONTRACTOR SHALL PROVIDE THE OWNER WITH AS-BUILT DRAWINGS WITHIN 10 DAYS FOLLOWING THE COMPLETION OF THE PROJECT.

12) ELEVATIONS AND COORDINATES SHOWN ARE BASED UPON AN ASSUMED DATUM. ORIENTATION IS BASED UPON THE PLAT REFERENCED IN NOTE 13 BELOW.

13) PROPERTY LINE INFORMATION BASED UPON A PLAT ENTITLED "BARRE GRANITE ASSOCIATION – VT ROUTE 14 – EAST MONTPELIER, VERMONT – PROPERTY SUBDIVISION", DATED MARCH, 1983, PREPARED BY WAYNE D. LAWRENCE, P.E. AND RECORDED MAP BOOK 2/104 (SLIDE 26) OF THE EAST MONTPELIER LAND RECORDS. MONUMENTATION FOUND WAS CONSISTENT WITH THE RECORDED PLAT. THE PROPERTY LINES, EASEMENTS, AND OTHER REAL PROPERTY DESCRIPTIONS PROVIDED IN THIS PERMIT APPLICATION ARE FOR PERMITTING PURPOSES ONLY. THEY DO NOT DEFINE LEGAL RIGHTS OR MEET LEGAL REQUIREMENTS FOR A LAND SURVEY AS DESCRIBED IN 26 V.S.A. & 2502(4), AND SHALL NOT BE USED IN LIEU OF A SURVEY AS THE BASIS OF ANY LAND TRANSFER OR ESTABLISHMENT OF ANY PROPERTY RIGHTS. THIS IS NOT A BOUNDARY SURVEY AND IS NOT INTENDED TO BE USED AS ONE.





OWNER:

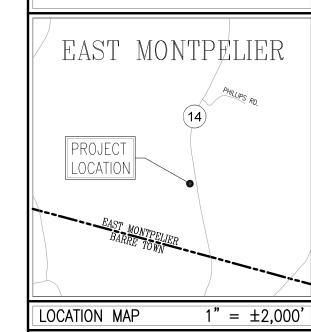
Washington County
Mental Health Inc.
P.O. Box 647
Montpelier, VT 05601-0647

PROJECT:

Proposed
Maintenance
Facility
225 VT RTE 14S
East Montpelier, VT 05651

SHEET TITLE:

Existing Conditions Site Plan



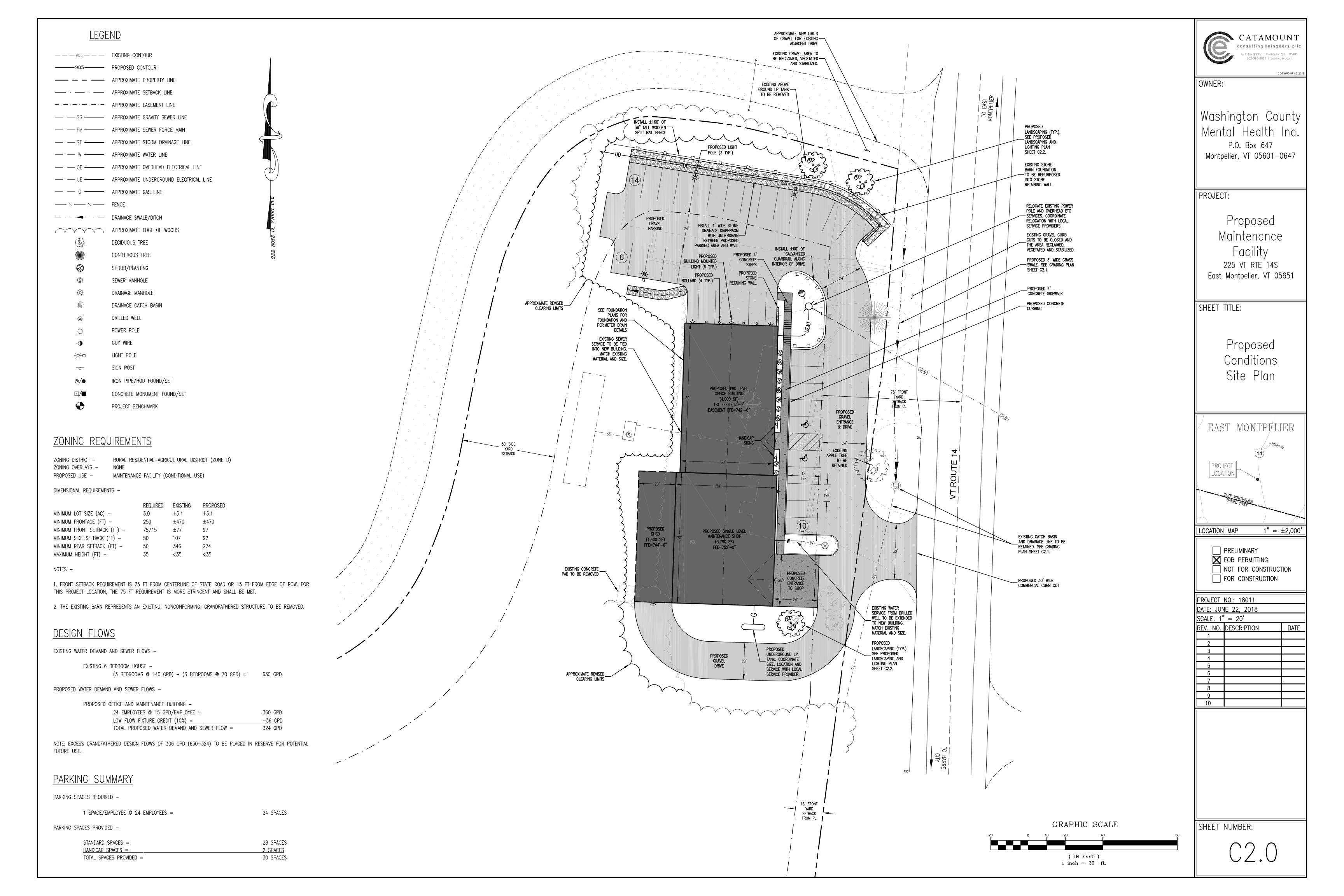
□ PRELIMINARY☒ FOR PERMITTING□ NOT FOR CONSTRUCTION□ FOR CONSTRUCTION

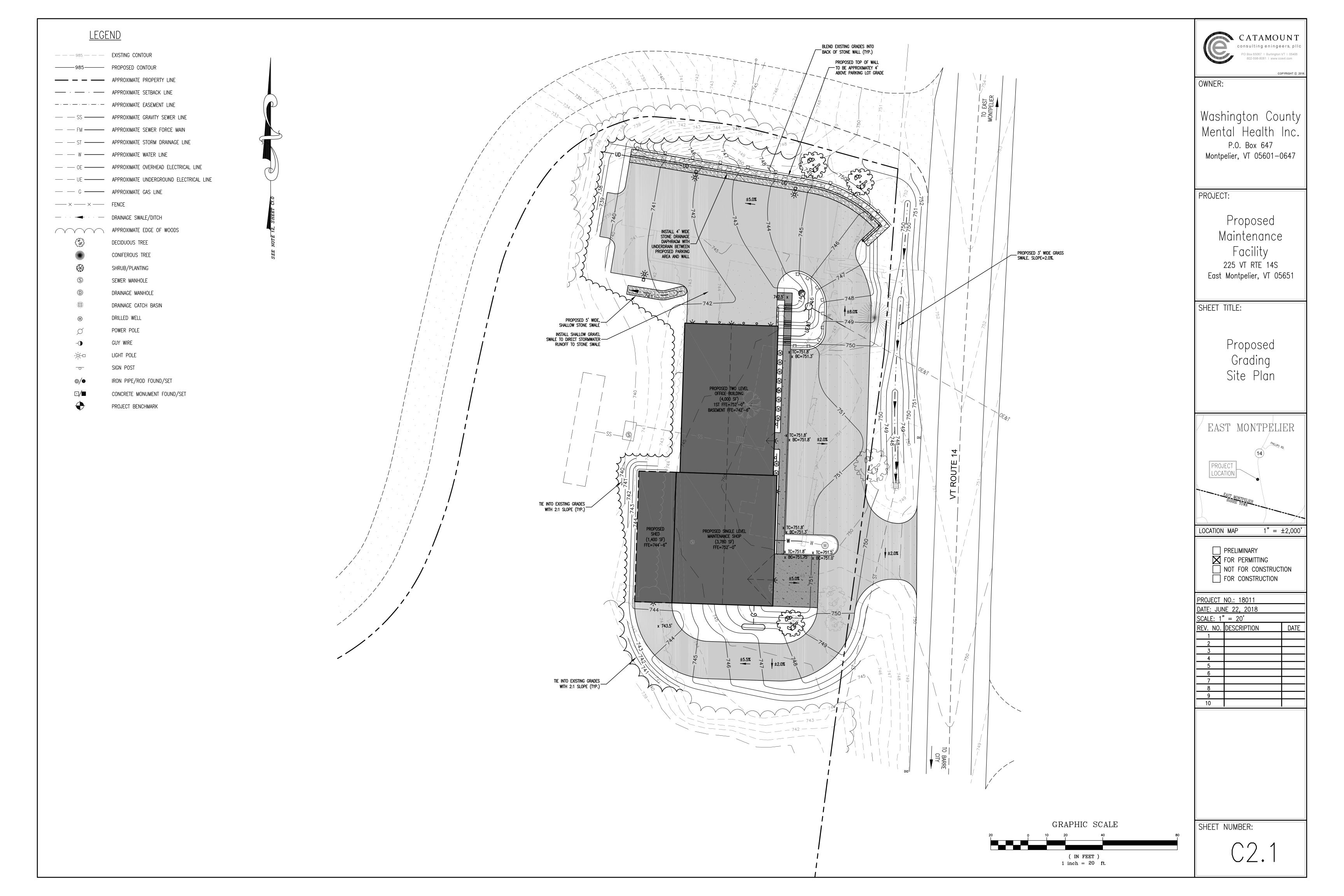
PROJECT NO.: 18011		
DATE: JUN	IE 22, 2018	
SCALE: 1" = 30'		
REV. NO.	DESCRIPTION	DAT
1		
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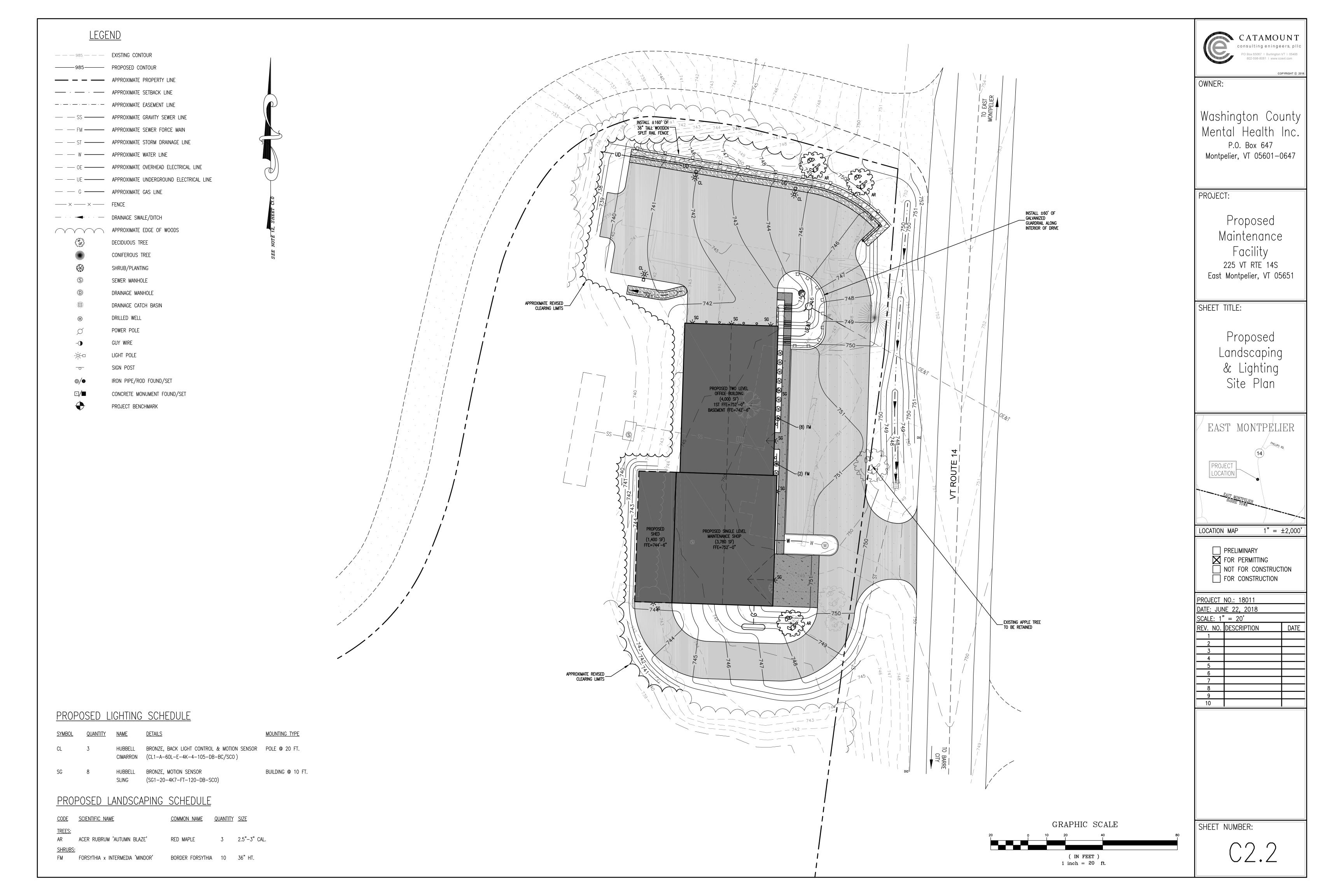
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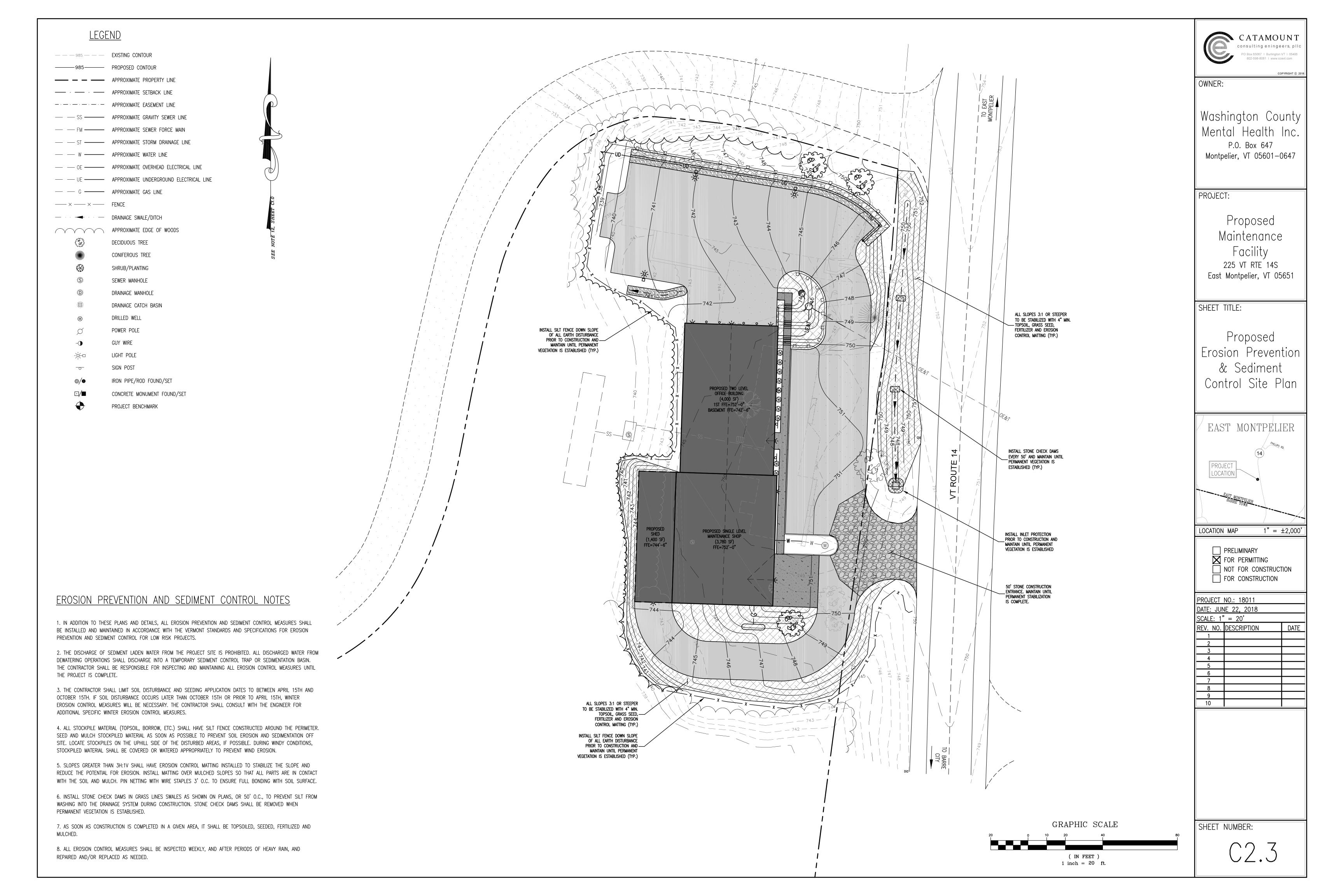
1 inch = 30 ft.

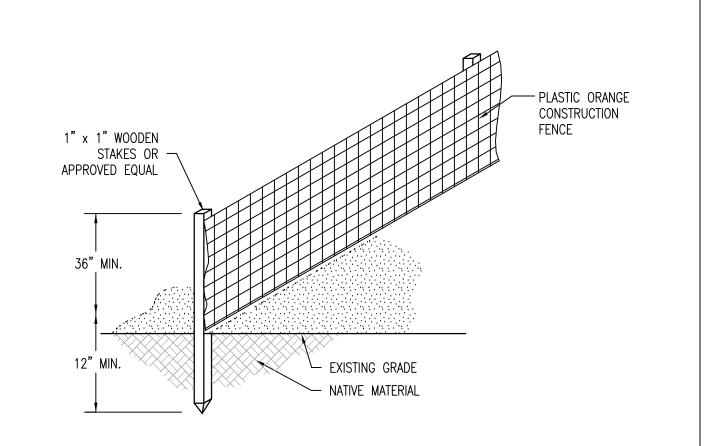
C1.0











- 1. PROJECT DEMARCATION FENCE TO BE INSTALLED IN ACCORDANCE WITH AOT SPEC 653.14.
- 2. WOODEN STAKES TO BE INSTALLED A MINIMUM OF 10' O/C.

18" MIN.

PROTECTION TO MEET AOT SPEC 720.04 FOR SILT FENCE.

AND MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED.

NOTES:

3. PROJECT DEMARCATION FENCE TO BE INSTALLED PRIOR TO ANY CONSTRUCTION AND MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS.

PLAN

CROSS-SECTION

1. INLET PROTECTION TO BE CONSTRUCTED IN ACCORDANCE WITH AOT SPEC 653.11a. FILTER FABRIC FOR INLET

2. INLET PROTECTION TO BE INSTALLED PRIOR TO CONSTRUCTION, OR UPON CONSTRUCTION OF NEW CATCH BASINS,

CATCH BASIN INLET PROTECTION DETAIL

# PROJECT DEMARCATION FENCE DETAIL

WOODEN STAKES - PLACED AROUND

CATCH BASIN

FILTER FABRIC

- FILTER FABRIC

- EXISTING GRADE

NATIVE OR FILL

BURY FABRIC A

MINIMUM OF 12"

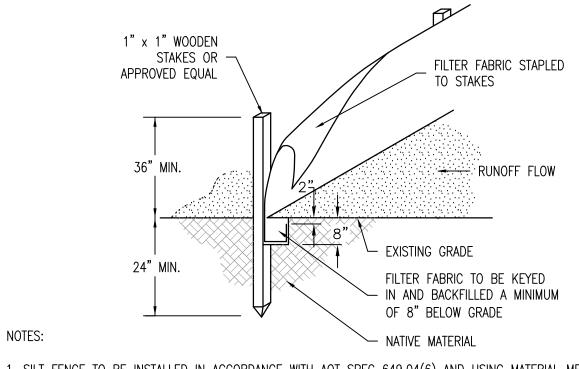
MATERIAL

STAKE.

SECURELY FASTENED

TO STAKE. OVERLAP

JOINTS TO THE NEXT



1. SILT FENCE TO BE INSTALLED IN ACCORDANCE WITH AOT SPEC 649.04(6) AND USING MATERIAL MEETING AOT SPEC 720.04 FOR SILT FENCE.

- 2. WOODEN STAKES TO BE INSTALLED A MINIMUM OF 6' O/C.
- 3. INSTALL SILT FENCES AT TOES OF ALL UNPROTECTED SLOPES AND AS PARALLEL TO CONTOURS AS POSSIBLE. THIS INCLUDES ALL FILLED OR UNPROTECTED SLOPES CREATED DURING CONSTRUCTION, NOT NECESSARILY REFLECTED ON THE FINAL PLANS. CURVE THE ENDS OF THE FENCE UP INTO THE SLOPE. WHEN SILT FENCE IS INSTALLED ON MINOR CROSS SLOPES, "J" HOOKS SHALL BE INSTALLED EVERY 50' MINIMUM TO MINIMIZE SEDIMENT LOAD AT BOTTOM OF SLOPE. WHEN TWO SECTIONS OF FABRIC ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6", FOLDED AND STAPLED.
- 4. SILT FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION AND MAINTAINED UNTIL SLOPES ARE STABILIZED AND PERMANENT VEGETATION IS ESTABLISHED. REMOVE SEDIMENT WHEN ACCUMULATED TO HALF THE HEIGHT OF THE FENCE.

FILTER FABRIC FOR

GEOTEXTILE UNDER

STONE FILL TO BE

PLACED UNDER

CHECK DAMS

24" MAXIMUM

KEY IN STONE A

THE SWALE

MINIMUM OF 4" INTO

1. STONE CHECK DAMS TO BE CONSTRUCTED IN ACCORDANCE WITH AOT SPEC 653.06a AND USING MATERIAL MEETING

AOT SPEC 704.17. FILTER FABRIC FOR CHECK DAMS TO MEET AOT SPEC 720.04 FOR GEOTEXTILES UNDER STONE FILL.

2. STONE CHECK DAMS TO BE INSTALLED PRIOR TO CONSTRUCTION, OR UPON CONSTRUCTION OF NEW SWALES, AND

# SILT FENCE DETAIL

NATIVE OR FILL

MATERIAL

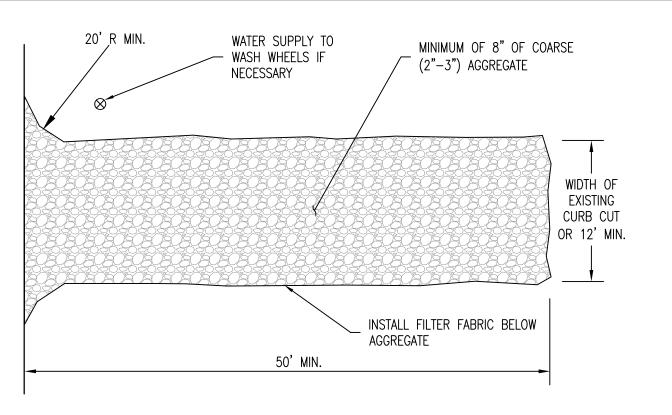
MAINTAINED UNTIL PERMANENT VEGETATION IS ESTABLISHED.

STONE CHECK DAM DETAIL

POINTS "A" MUST BE HIGHER

(6" MIN.) THAN THE FLOW  $\neg$ 

LINE POINT "B"/



- 1. STONE CONSTRUCTION ENTRANCE TO BE INSTALLED IN ACCORDANCE WITH AOT SPEC 653.10 AND USING MATERIAL MEETING AOT SPEC 704.17A. FILTER FABRIC TO MEET AOT SPEC 720.04 FOR GEOTEXTILE FOR ROADBED SEPARATOR.
- 2. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OF SEDIMENT ONTO THE PUBLIC ROW. THIS MAY REQUIRE MAINTENANCE AND REPAIR OF ANY MEASURES USED TO TRAP SEDIMENT.
- 3. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO THE PUBLIC ROW.
- 4. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AGGREGATE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP.

SLOPE OF GRASS SWALE

TO BE 2.0% UNLESS

GRADING PLANS

2. GRASS SWALE TO BE USED PRIMARILY WHERE SLOPE IS LESS THAN 5% OR AS SHOWN ON GRADING PLANS.

OTHERWISE SHOWN ON

UNDISTURBED OR COMPACTED SUITABLE NATIVE

MATERIAL OR GRANULAR BORROW FILL. CONFIRM

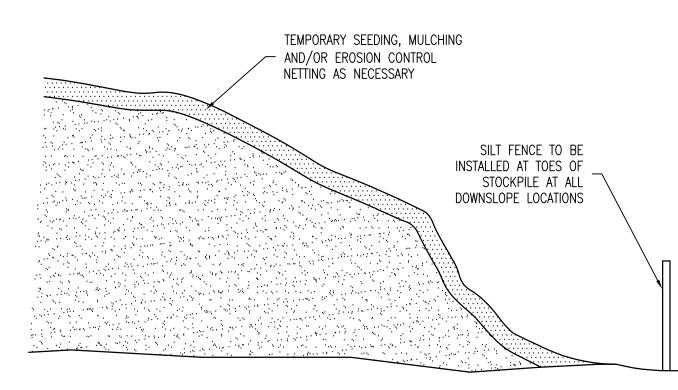
SUITABILITY OF NATIVE MATERIAL AND GRANULAR

BORROW WITH ENGINEER PRIOR TO

CONSTRUCTION. TOP 6" TO BE TOPSOIL.

# CONSTRUCTION ENTRANCE DETAIL

N.T.S. C3.0



NOTES:

1. THE STOCKPILE, OR PORTIONS THEREOF, THAT WILL NOT BE USED OR DISTURBED WITHIN 14 DAYS SHALL BE TEMPORARY STABILIZED WITH MULCH. THE STOCKPILE, OF PORTIONS THEREOF, THAT WILL NOT BE USED OR DISTURBED WITHIN 3 MONTHS SHALL BE STABILIZED WITH GRASS SEED AND MULCH OR EROSION CONTROL NETTING AS NECESSARY TO MINIMIZE THE POTENTIAL FOR EROSION.

2. SILT FENCE TO BE INSTALLED IN ACCORDANCE WITH AOT SPEC 649.04(6) AND USING MATERIAL MEETING AOT SPEC 720.04 FOR SILT FENCE.

# TOPSOIL STOCKPILE DETAIL

OWNER:

PROJECT:

SHEET TITLE:

Proposed Site Details

CATAMOUNT

consulting eningeers, pll

802-598-8081 | www.ccevt.com

| Washington County

Mental Health Inc.

P.O. Box 647

Montpelier, VT 05601-0647

Proposed

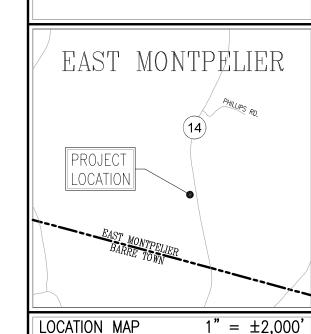
Maintenance

Facility

225 VT RTE 14S

East Montpelier, VT 05651

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LOCATION MAP

PROJECT NO.: 18011

DATE: JUNE 22, 2018

REV. NO. DESCRIPTION

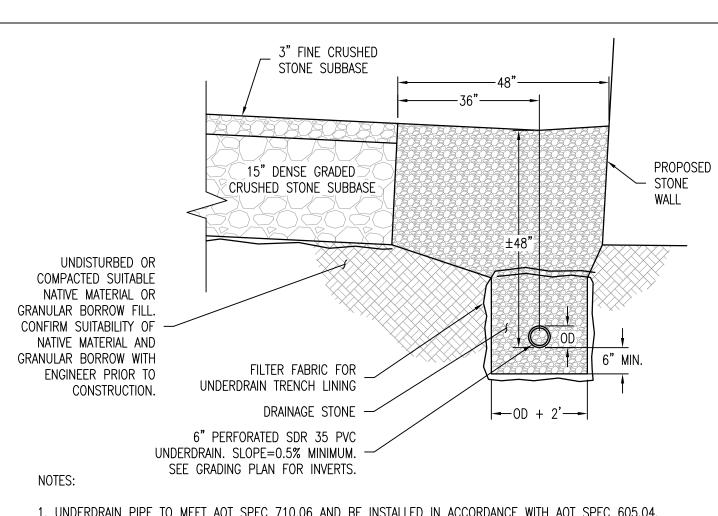
SCALE: AS SHOWN

PRELIMINARY FOR PERMITTING NOT FOR CONSTRUCTION FOR CONSTRUCTION

12" MIN. OF TYPE II STONE FILL GRADING STABILIZATION FABRIC TO BE PLACED UNDER STONE UNDISTURBED OR COMPACTED SUITABLE NATIVE MATERIAL OR GRANULAR BORROW FILL. CONFIRM SUITABILITY OF NATIVE MATERIAL AND GRANULAR

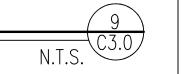
- 1. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.
- 2. TYPE II STONE FILL TO MEET AOT SPEC 706.04(b).
- 3. STABILIZATION FABRIC TO MEET AOT SPEC 720.04 FOR GEOTEXTILE UNDER STONE FILL.
- 4. STONE SWALE TO BE USED PRIMARILY WHERE SLOPE IS EQUAL TO OR EXCEEDS 5% OR AS SHOWN ON GRADING

# STONE SWALE DETAIL



- 1. UNDERDRAIN PIPE TO MEET AOT SPEC 710.06 AND BE INSTALLED IN ACCORDANCE WITH AOT SPEC 605.04.
- 2. DRAINAGE STONE TO MEET AOT SPEC 704.16.
- 3. FILTER FABRIC TO MEET AOT SPEC 720.04 FOR GEOTEXTILE FOR UNDERDRAIN TRENCH LINING.
- 4. SAND BORROW FILL TO MEET AOT SPEC 703.03.
- 5. COMPACTION OF MATERIALS TO MEET AOT SPEC 301.06.

# PARKING LOT UNDERDRAIN DETAIL



6" MINIMUM STONE

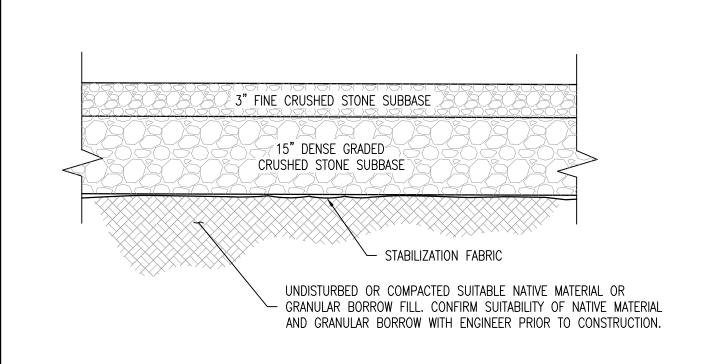
PLACED IN CHANNEL

GRASS SWALE DETAIL

1. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.

BORROW WITH ENGINEER PRIOR TO CONSTRUCTION.

SHEET NUMBER:



#### NOTES:

- 1. FINE CRUSHED STONE AND DENSE GRADED CRUSHED STONE TO MEET AOT SPECS 704.05 AND 704.06 RESPECTIVELY.
- 2. STABILIZATION FABRIC TO MEET AOT SPEC 720.04 FOR GEOTEXTILE FOR ROADBED SEPARATOR.
- 3. SUBBASE TO BE INSTALLED IN ACCORDANCE WITH AOT SPECS 301 AND 406, RESPECTIVELY. SAND BORROW, WHERE REQUIRED, SHALL MEET AOT SPEC 703.03.

SEE LIGHTING PLAN FOR

FIXTURE SPECIFICATIONS

LIGHT POLE TO BE

- #5 LOOP REBAR

SELECETED BY OWNER

HAND HOLE WITH COVER

SCH 80 PVC

- POLE WITH SEPARATE

FROM POLE TO

GROUND WIRE

GALVANIZED STEEL TO

PVC CONDUIT CONNECTOR

- 4. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.
- 5. COMPACTION OF SUBBASE MATERIALS TO MEET AOT SPEC 301.06.

# DRIVEWAY SECTION DETAIL

ANCHOR BOLTS AND BASE

BOLT GROUND WIRE TO POLE -

PLATE TEMPLATE BY .

FINISHED GRADE -

3/4" CONDUIT FOR

(4) #5 VERTICAL REBAR

GROUND ROD BOND TO

CONDUIT, BASE AND POLE

3/4" x 10' COPPER WELD

#6 BARE COPPER

GROUND WIRE

LIGHT POLE BASE DETAIL

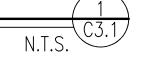
UNDISTURBED OR COMPACTED

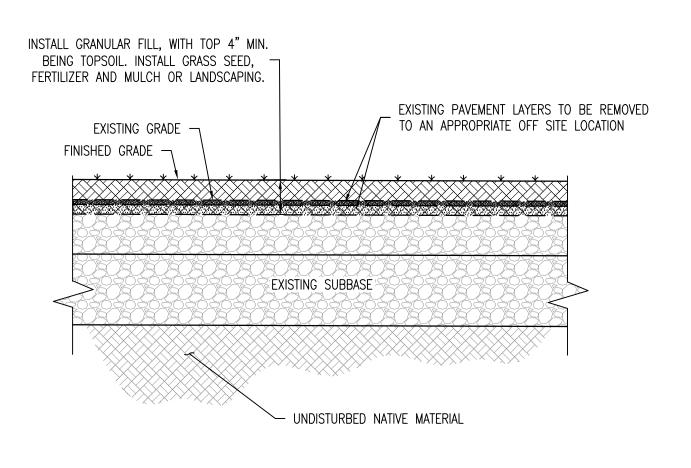
SUITABLE NATIVE MATERIAL OR -

GRANULAR BORROW FILL

CLASS B CONCRETE

LIGHT POLE SUPPLIER

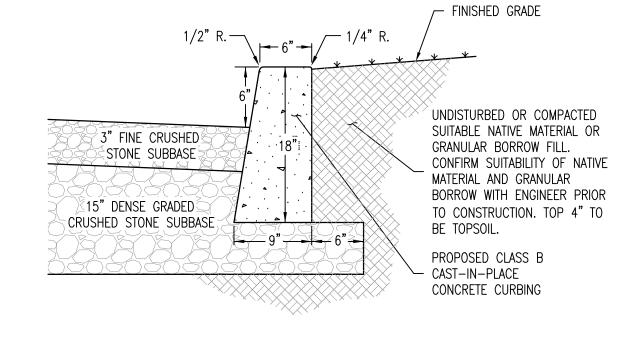




NOTES:

- 1. GRANULAR FILL TO MEET AOT SPEC 703.04.
- 2. COMPACTION OF SUBBASE MATERIALS TO MEET AOT SPEC 301.06.

# PAVEMENT RECLAMATION DETAIL



NOTES:

- 1. CONCRETE FOR CURBING TO MEET AOT SPEC 541, CLASS B, AND SHALL BE INSTALLED IN ACCORDANCE WITH AOT SPEC 616.06. CURBING SHALL BE CONSTRUCTED IN 10' SECTIONS, WITH 1/8" JOINT BETWEEN SECTIONS. CURBING EXPANSION JOINTS SHALL BE CONSTRUCTED EVERY 20' AND CONSTRUCTED WITH PREFORMED JOINT FILLER TO MEET AOT SPEC 707.08.
- 2. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.
- 3. COMPACTION OF MATERIALS TO MEET AOT SPEC 301.06.

# CONCRETE CURBING DETAIL

UNDISTURBED OR

COMPACTED SUITABLE

NATIVE MATERIAL OR

GRANULAR BORROW FILL

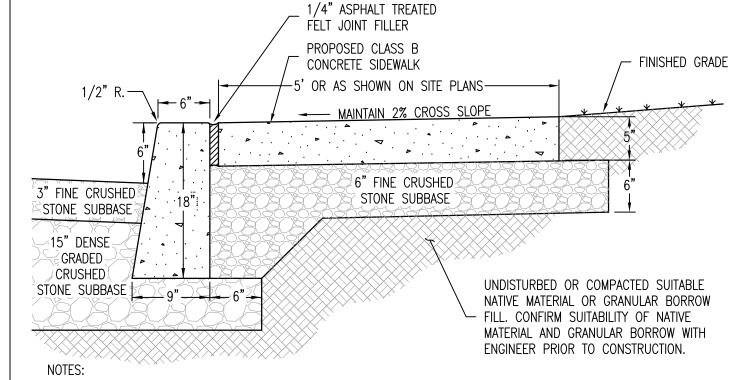
CONFIRM SUITABILITY OF

GRANULAR BORROW WITH

NATIVE MATERIAL AND

ENGINEER PRIOR TO

CONSTRUCTION.



1. CONCRETE FOR SIDEWALK TO MEET AOT SPEC 541, CLASS B, AND SHALL BE INSTALLED IN ACCORDANCE WITH AOT SPEC 618.03. SIDEWALK SHALL BE CONSTRUCTED IN 10' SECTIONS, WITH 1/8" JOINT BETWEEN SECTIONS. SIDEWALK EXPANSION JOINTS SHALL BE CONSTRUCTED EVERY 20' AND CONSTRUCTED WITH JOINT FILLER TO MEET AOT SPEC 707.08. SIDEWALK RAMPS AND DETECTABLE WARNINGS TO BE INSTALLED IN ACCORDANCE WITH AOT STANDARD C-3A.

- 2. FINE CRUSHED STONE TO MEET AOT SPEC 704.05.
- 3. ASPHALT TREATED FELT TO BE USED BETWEEN SIDEWALK AND CONCRETE CURB TO MEET AOT SPEC 707.08.
- 4. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.
- 5. COMPACTION OF MATERIALS TO MEET AOT SPEC 301.06.

4" MINIMUM OF SHREDDED BARK

LOOSEN, CUT AND REMOVE BURLAP

PROVIDERS REQUIREMENTS.

SEWER LINE MARKING

COMPACTED SUITABLE

NATIVE MATERIAL, OR

24"-30" BELOW

FINISHED GRADE

TAPE SHALL BE PLACED

FROM TOP 1/3 OF ROOT BALL

4" SAUCER RIM

1. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.

SHRUB PLANTING DETAIL

6. SIDEWALKS SHALL BE 5" THICK, EXCEPT WHERE IT CROSSES THE PROJECT DRIVEWAY, WHICH SHALL BE 8" THICK.

# CONCRETE SIDEWALK DETAIL

N.T.S. C3.1

UNDISTURBED OR

COMPACTED SUITABLE NATIVE MATERIAL OR

GRANULAR BORROW FILL

CONFIRM SUITABILITY OF

GRANULAR BORROW WITH

NATIVE MATERIAL AND

ENGINEER PRIOR TO

CONSTRUCTION.



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OWNER:

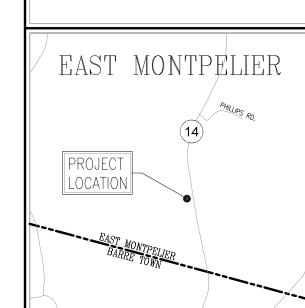
| Washington County Mental Health Inc. P.O. Box 647 Montpelier, VT 05601-0647

PROJECT:

Proposed Maintenance Facility 225 VT RTE 14S East Montpelier, VT 05651

SHEET TITLE:

Proposed Site Details



 $1" = \pm 2,000$ LOCATION MAP

PRELIMINARY FOR PERMITTING NOT FOR CONSTRUCTION FOR CONSTRUCTION

PROJECT NO.: 18011

SEE PAVING DETAILS

RIGID INSULATION AS REQUIRED

DATE: JUNE 22, 2018 SCALE: AS SHOWN REV. NO. DESCRIPTION

GRANULAR BORROW FILL BEDDING MATERIAL THOROUGHLY COMPACTED

IN 12" LIFTS PROPOSED SEWER LINE UNDISTURBED OR COMPACTED SUITABLE NATIVE MATERIAL OR GRANULAR BORROW FILL. CONFIRM SUITABILITY OF NATIVE MATERIAL AND GRANULAR BORROW WITH ENGINEER PRIOR NOTES: ─0D+2'— TO CONSTRUCTION.

1. SEWER LINES AND FITTINGS TO MEET AOT SPEC 710.06 AND BE INSTALLED AND TESTED IN ACCORDANCE WITH AOT

2. AREAS TO BE PLANTED THAT ARE CURRENTLY PAVED SHOULD HAVE CONTINUOUS PLANTING PITS WITH LOAM OR

3. IN ADDITION TO THIS DETAIL, ALL TREE PLANTINGS SHALL BE PERFORMED IN ACCORDANCE WITH ANY PLANTING

LAWN PAVEMENT

SANDY LOAM PLANTING SOIL TO A DEPTH OF 2' MINIMUM TO SUPPORT SHRUB ROOT GROWTH.

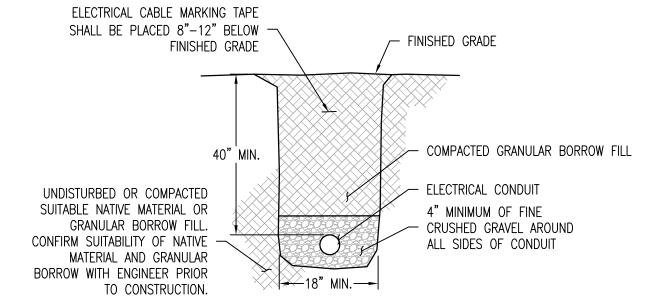
- 2. BEDDING MATERIAL SHALL BE 3/4" CRUSHED STONE MEETING AOT SPEC 704.02B. BEDDING MATERIAL SHALL NOT BE PLACED ON FROZEN SUBGRADÉ.
- 3. IN TRENCHES WITH UNSTABLE MATERIALS, THE TRENCH BOTTOM SHALL BE STABILIZED WITH FILTER FABRIC AND 4" OF 3/4" CRUSHED STONE MEETING AOT SPEC 704.02B.
- 4. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.
- 5. WHEN 6' OF COVER CANNOT BE MAINTAINED INSTALL 2" OF RIGID INSULATION, FOR EVERY 1' OF COVER THAT CANNOT BE MAINTAINED, OVER THE PIPE EXTENDING A MINIMUM OF 2' BEYOND THE OUTER EDGES OF THE PIPE.

SHEET NUMBER:

- 6" x 8" WOOD OFFSET BLOCKS 6" x 8" WOOD POST 5/8" DIAMETER ROUND HEAD SPLICE BOLT (TYP.) HEX NUT WITH ROUND WASHER (TYP.) (3) 8' CEDAR STAKES WITH CUT NOTCH — 318 WIRE PASSED THROUGH SECTION 7 5/8" OF GARDEN HOSE TO PROTECT TRUNK 7'-0" WOOD POSTS (TYP.) PAPER TRUNK WRAPPING FINISHED GRADE 4" MINIMUM OF SHREDDED BARK MULCH 6" SAUCER RIM LOOSEN, CUT AND REMOVE BURLAP FROM TOP 1/3 OF ROOT BALL THRIE-BEAM RAIL ASSEMBLY 5/8" DIAMETER BUTTON HEAD POST BOLT WITH PLATE WASHER (TYP.) UNDISTURBED OR COMPACTED SUITABLE NATIVE MATERIAL OR GRANULAR BORROW - FILL. CONFIRM SUITABILITY OF NATIVE 1. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04. MATERIAL AND GRANULAR BORROW WITH ENGINEER PRIOR TO CONSTRUCTION. 2. PAPER TRUNK WRAP MUST BE REMOVED AFTER 1 YEAR. 3. ROOT FLARES SHALL BE AT OR SLIGHTLY ABOVE FINISHED GRADE. 4. AREAS TO BE PLANTED THAT ARE CURRENTLY PAVED SHOULD HAVE CONTINUOUS PLANTING PITS WITH LOAM OR

- 1. GUARD RAIL MATERIALS TO COMPLY WITH AOT SPEC SECITON 728. RAIL ASSEMBLY TO BE INSTALLED IN ACCORDANCE WITH AOT STANDARD CONSTRUCTION SPEC S-363.
- 2. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.
- 3. COMPACTION OF MATERIALS TO MEET AOT SPEC 301.06.

### **GUARD RAIL DETAIL**



NOTES:

- 1. ALL MATERIALS AND INSTALLATION PROCEDURES FOR SLEEVES FOR ELECTRICAL, TELEPHONE AND COMMUNICATION SERVICES SHALL MEET AOT SPEC 625.
- 2. FINE CRUSHED GRAVEL TO MEET AOT SPEC 704.05.
- 3. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.
- 4. COMPACTION OF MATERIALS TO MEET AOT SPEC 301.06.
- 5. REFER TO ELECTRICAL PLAN FOR CONDUIT TYPE AND SCHEDULE AND CONFIRM CONDUIT REQUIREMENTS WITH LOCAL
- 6. CONDUIT SHALL BE ENCASED IN 4" OF CLASS B CONCRETE FOR PORTIONS INSTALLED UNDER THE ROADWAY OR WITHIN 10' OF WATER, SEWER, GAS AND/OR DRAINAGE CROSSINGS.

# ELECTRICAL CONDUIT TRENCH DETAIL



WATER LINE MARKING TAPE SHALL BE PLACED 24"-30" BELOW FINISHED GRADE COMPACTED SUITABLE NATIVE MATERIAL, OR GRANULAR BORROW FILL, THOROUGHLY COMPACTED IN 6" LIFTS

PROVIDERS REQUIREMENTS.

TREE PLANTING DETAIL

- 2. BEDDING MATERIAL SHALL BE SAND, GRAVEL OR CRUSHED STONE WITH NO STONES GREATER THAN 1". BEDDING MATERIAL SHALL NOT BE PLACED ON FROZEN SUBGRADE.
- 3. IN TRENCHES WITH UNSTABLE MATERIALS, THE TRENCH BOTTOM SHALL BE STABILIZED WITH FILTER FABRIC AND 4" OF 3/4" CRUSHED STONE MEETING AOT SPEC 704.02B.

CANNOT BE MAINTAINED, OVER THE PIPE EXTENDING A MINIMUM OF 2' BEYOND THE OUTER EDGES OF THE PIPE.

WATER TRENCH DETAIL

SEE PAVING DETAILS RIGID INSULATION AS REQUIRED BEDDING MATERIAL PROPOSED WATER LINE UNDISTURBED OR COMPACTED SUITABLE NATIVE MATERIAL OR GRANULAR BORROW FILL. CONFIRM SUITABILITY OF NATIVE MATERIAL AND GRANULAR BORROW WITH ENGINEER PRIOR NOTES: -OD+2'-

SANDY LOAM PLANTING SOIL TO A DEPTH OF 2' MINIMUM TO SUPPORT TREE ROOT GROWTH.

5. IN ADDITION TO THIS DETAIL, ALL TREE PLANTINGS SHALL BE PERFORMED IN ACCORDANCE WITH ANY PLANTING

LAWN PAVEMENT

TO CONSTRUCTION.

4. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04.

5. WHEN 6' OF COVER CANNOT BE MAINTAINED INSTALL 2" OF RIGID INSULATION, FOR EVERY 1' OF COVER THAT

1. WATER LINES, VALVES AND FITTINGS TO MEET AOT SPEC 740 AND BE INSTALLED AND TESTED IN ACCORDANCE WITH AOT SPEC 629.

SEWER TRENCH DETAIL

NOTES: 1. CONCRETE TO MEET AOT SPEC 541, CLASS B. 2. GRANULAR BORROW FILL TO MEET AOT SPEC 703.04. 3. COMPACTION OF MATERIALS TO MEET AOT SPEC 301.06.

**─**18"**─** 

<u>PLAN</u>

7.5 PLASTIC (SAFTEY YELLOW)

(3) #4 VERTICAL

BAR REINFORCING

CONCRETE FILLED

FINISHED GRADE

PRECAST BOLLARD DETAIL

