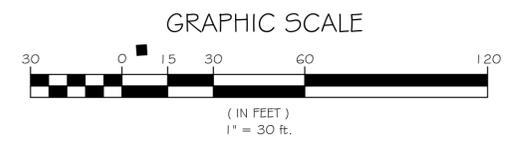
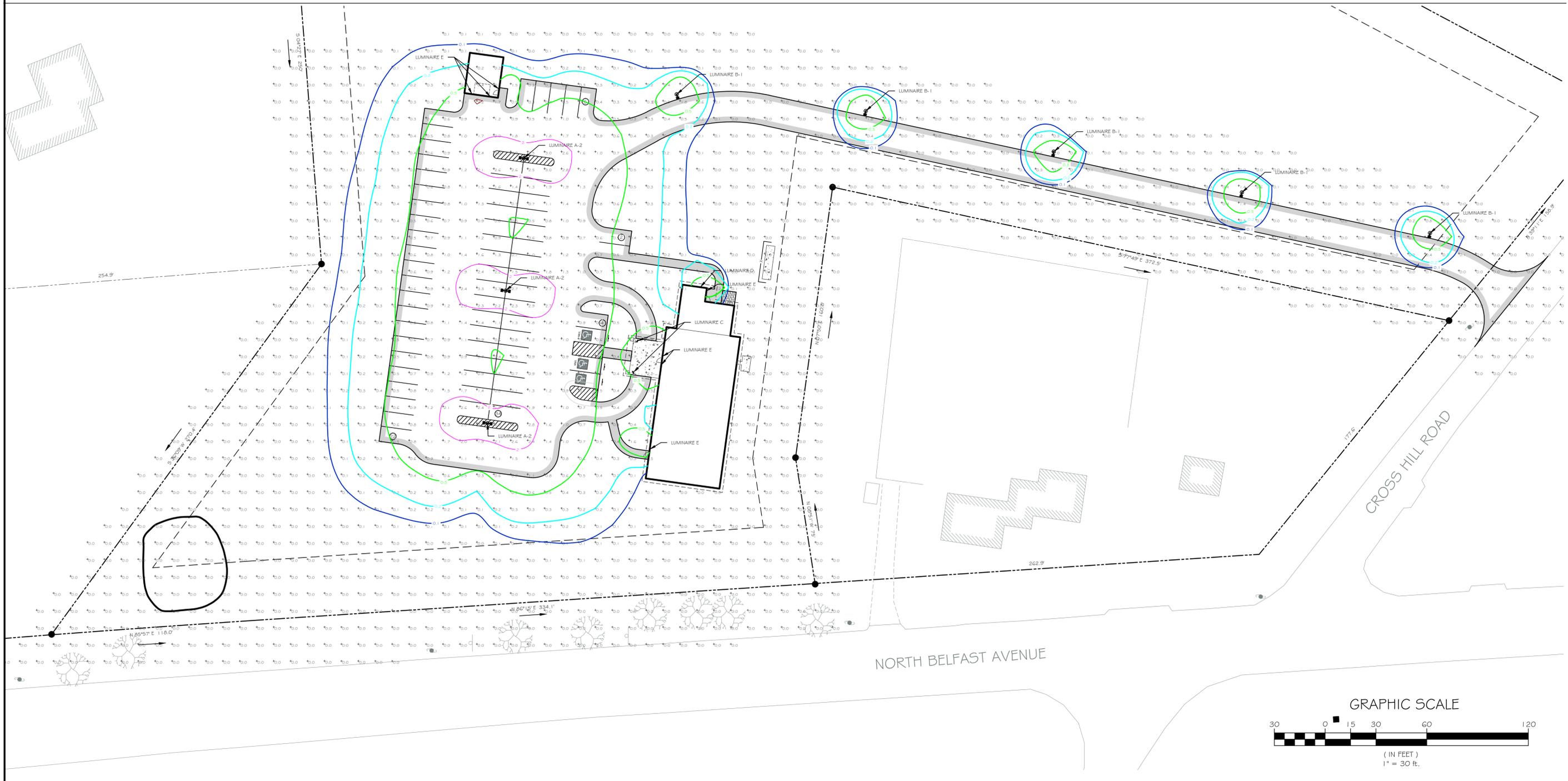
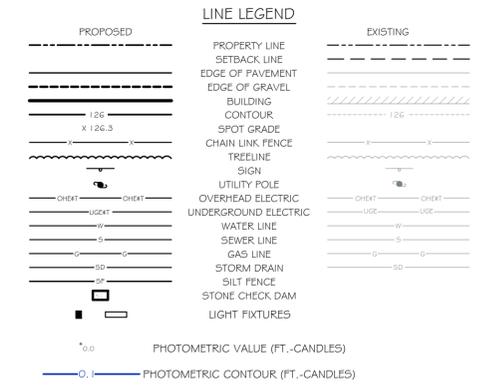


EXTERIOR LIGHTING NOTES:

1. THIS PHOTOMETRIC MODEL DEPICTS ALL EXTERIOR LIGHTS OPERATING SIMULTANEOUSLY.
2. LIGHT LOSS FACTOR (LLF) USED FOR DESIGN: 0.90
3. MOUNTING HEIGHT IS RELATIVE TO NEAREST ADJACENT FINISHED GRADE.
4. LUMINAIRES A-2 AND B-1 ARE MOUNTED ON TOP OF 2' TALL CONCRETE BASES. THUS, MOUNTING HEIGHT = STEEL POLE HEIGHT + 2'.
5. LUMINAIRES WITH PLAN TAG 'B-1' WILL BE INSTALLED AT OWNERS OPTION.

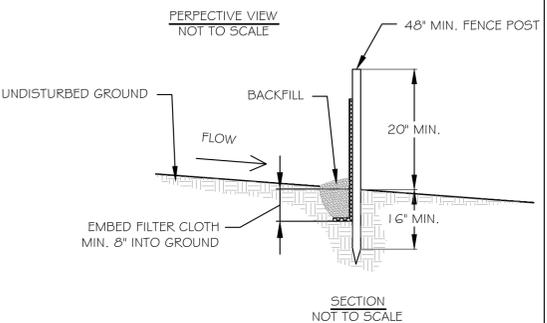
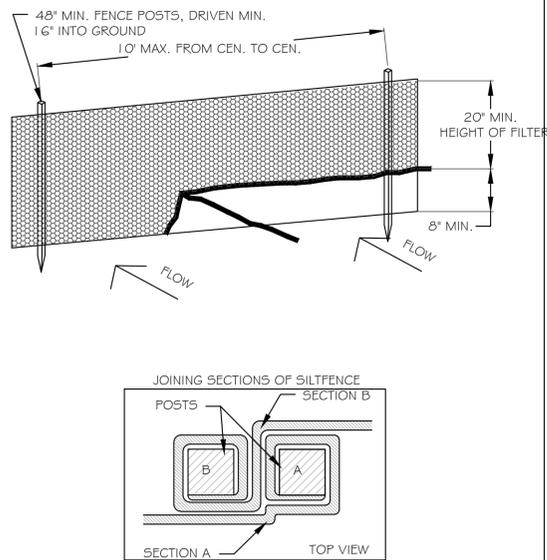
STATISTICAL SUMMARY OF PHOTOMETRIC POINTS: PARKING AREAS (UNITS: FOOT-CANDLES)			
VERTICAL ILLUMINANCE	PROVIDED	IESNA CRITERIA	RESULT
AVERAGE	1.2	0.8 (MIN.)	OK
MAXIMUM	3.3	N/A	OK
MINIMUM	0.3	0.2	OK
UNIFORMITY RATIO (MAX./MIN.)	11.0	20 (MAX.)	OK
AVERAGE / MIN	3.0	4 (MAX.)	OK

LUMINAIRE SCHEDULE					
PLAN TAG	MANUFACTURER	DESCRIPTION	PRODUCT #	TYPE	APPROX. MOUNTING HEIGHT (FT.)
A-2	RAB	(2) LED SITE LIGHTS MOUNTED BACK-TO-BACK ON A SHARED POLE	ALED4T78N	(2) 78W LEDS, TYPE IV DISTRIBUTION	27'-0"
B-1	RAB	(1) LED SITE LIGHT	ALED13N	(1) 13W LED	12'-0"
C	RAB	CEILING-HUNG LED FLOOD LIGHT	FFLED18YW	(1) 18W LED	9'-0"
D	RAB	LED WALLPACK	WPLED10Y	(1) 10W LED	8'-0"
E	PROGRESS OR EQUAL	WALL-MOUNT OR POST-MOUNT DECORATIVE LANTERN FIXTURE	P5829-31	(2) 60W INCANDESCENT BULBS	7'-0"



NO.	REVISIONS	DATE					
SHEET TITLE: Photometrics Plan PROJECT: Kingdom Hall of Jehovah's Witnesses ADDRESS: Cross Hill Road CITY: Augusta, Maine							
DRAWN: RC		APPROVED: EH		SCALE: AS NOTED		DATE: 4/10/2014	
Maine Regional Building Committee MRBC				PHASE: PERMITTING 			
C-3							

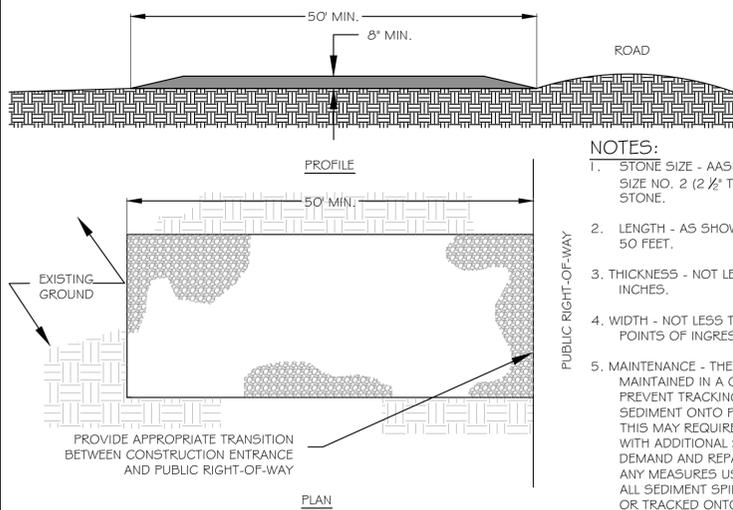
1 SILT FENCE DETAIL
N.T.S.
C-4



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

1. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN BULGES DEVELOP IN THE SILT FENCE
2. SILT FENCE WILL BE DGI INDUSTRIES ME12303614 SILT FENCE, OR OTHER MDOT PRE-APPROVED SILT FENCE MEETING AASHTO M-288

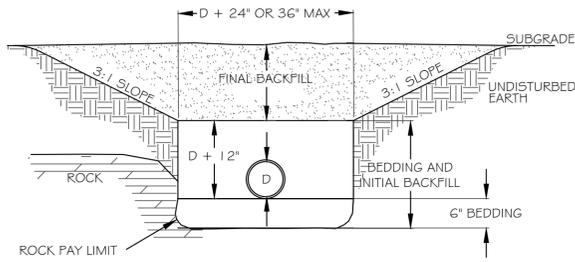
2 CONSTRUCTION ENTRANCE DETAIL
N.T.S.
C-4



NOTES:

1. STONE SIZE - AASHTO DESIGNATION M43, SIZE NO. 2 (2 1/2" TO 1 1/2"). USE CRUSHED STONE.
2. LENGTH - AS SHOWN ON SHEET C-2, MIN. 50 FEET.
3. THICKNESS - NOT LESS THAN EIGHT (8) INCHES.
4. WIDTH - NOT LESS THAN FULL WIDTH OF ALL POINTS OF INGRESS & EGRESS.
5. MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED, OR TRACKED ONTO PUBLIC RIGHT-OF-WAY MUST BE REMOVED IMMEDIATELY.

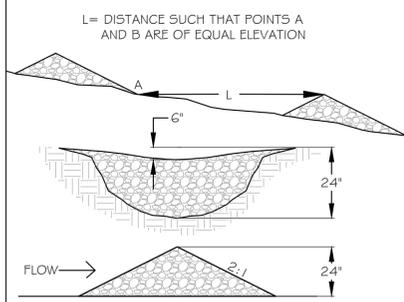
5 STORMDRAIN PIPE TRENCH
N.T.S.
C-4



NOTES:

1. BEDDING AND INITIAL BACKFILL SHALL BE SUB-BASE MATERIAL.
2. FINAL BACKFILL SHALL BE:
 - SUB-BASE COURSE GRAVEL (MDOT SPEC 703.06 (B) TYPE "D" (4" MINUS) COMPACTED TO 95% MDD UNDER ROADS & PATHS (BELOW PAVEMENT SECTION).
 - SUB-BASE COURSE GRAVEL (MDOT SPEC 703.06 (B) TYPE "D" (4" MINUS) COMPACTED 90% IN OTHER LOCATIONS.

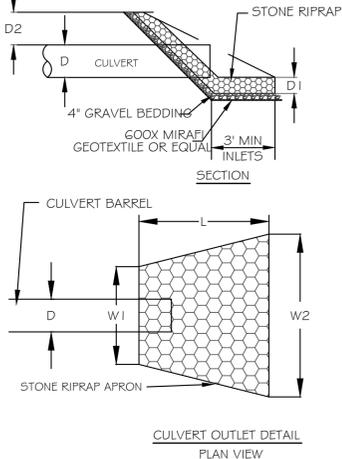
3 STONE CHECK DAM
N.T.S.
C-4



NOTE: USE MDOT STONE FOR FRENCH DRAINS (MDOT 703.24)

CHECK DAM SPACING VS. DITCH SLOPE	
LENGTH (L) (FT.)	SLOPE (FT./FT.)
100	0.02
66	0.03
50	0.04
40	0.05
25	0.08
20	0.10
17	0.12
13	0.15

6 RIPRAP APRON
N.T.S.
C-4



NOTES:

1. THE RIPRAP APRON SHALL BE CONSTRUCTED WITH NO SLOPE ALONG ITS LENGTH

D	D1	D2 INLET	D2 OUTLET
12"	9"	24"	12"

D	W1	W2	L	D50
12"	4'	14'	10'	4"

4 EROSION AND SEDIMENTATION CONTROL NOTES
C-4

PERMANENT SEEDING NOTES FOR ALL DISTURBED AREAS

1. DURING PERIOD FROM APRIL 15 TO OCTOBER 15, AREAS DISTURBED SHALL BE LIMED, FERTILIZED, SEEDED AND MULCHED AS FOLLOWS:
 - A. SEEDING SHALL BE AS SPECIFIED IN MDOT STANDARD SPECIFICATIONS, SECTION 618 FOR VARIOUS AREAS.
 - B. SEEDING SHALL INCLUDE FERTILIZERS, MULCH, LIME AND OTHER ITEMS IN SECTION 618.
2. AFTER SEEDING, AREAS DISTURBED SHALL BE MULCHED AS DESCRIBED IN MDOT STANDARD SPECIFICATIONS SECTION 619.
3. NO SEEDING SHALL TAKE PLACE BETWEEN JUNE 15 AND AUGUST 15. AS A CONTINGENCY PLAN, AREAS DISTURBED BETWEEN THESE DATES SHALL BE HAY MULCHED AT A RATE OF 2 BALES/1,000 SF. AND SECURED WITH A PEG AND TWINE OF 4-6 PEGS/SY OR WITH TERRA TACK II AT A RATE OF 60 GALLONS/ACRE.
4. WEEKLY, OR AFTER PRECIPITATION PRODUCING THE EQUIVALENT OF ONE HALF INCH OF RAINFALL OR SNOWMELT, ALL MULCHED AREAS SHALL BE INSPECTED FOR SUITABILITY FOR EROSION CONTROL AND SLOPE PROTECTION. WEAKENED AREAS SHALL BE RE-MULCHED AS DESCRIBED IN NOTE #2 ABOVE.
5. WITHIN 30-45 DAYS OF SEED APPLICATION, ALL AREAS SHALL BE INSPECTED FOR SATISFACTORY GROWTH. AREAS OF LESS THAN 75% GROWTH SHALL BE RESEED AT ORIGINAL APPLICATION RATES, MULCHED AND MAINTAINED ACCORDINGLY AS SPECIFIED ABOVE.
6. PERMANENT SEEDING SHALL BE INSTALLED IMMEDIATELY UPON REACHING FINAL GRADE IF THIS OCCURS WITHIN THE ALLOWABLE PLANTING SEASONS.

EROSION CONTROL CONSTRUCTION SEQUENCE

ALL EARTHWORK OR CONSTRUCTION ACTIVITIES SHALL OCCUR AFTER APRIL 15 AND BEFORE NOVEMBER 15 UNLESS WINTER EROSION CONTROL MEASURES ARE IMPLEMENTED. THE CONTRACTOR SHALL INSTALL ALL EROSION CONTROL DEVICES PRIOR TO THE DISTURBANCE OF ANY WORK AREA.

1. INSTALL ALL SILT FENCING AND TEMPORARY CONSTRUCTION ENTRANCE PRIOR TO STARTING EARTHMOVING ACTIVITIES.
2. GRADE PROJECT TO SUBGRADE LEVEL IN A LOGICAL MANNER TO MINIMIZE EARTH MOVING AND TO PRESERVE LAND NOT TO BE DISTURBED.
3. COMPLETE DRAINAGE, BUILDING AND UTILITY CONSTRUCTION.
4. COMPLETE FINISH GRADING. LOAM, SEED AND MULCH ALL DISTURBED AREAS NOT TO BE PAVED OR RIP-RAPPED.
5. COMPLETE UNFINISHED CONSTRUCTION.
6. REMOVE TEMPORARY DIVERSION DITCHES, HAY BALES, AND STONE CHECK DAMS WHEN 75% OF GRASS GROWTH HAS BEEN ESTABLISHED.

WINTER STABILIZATION CONTROL MEASURES NOTES

1. ALL OPEN AREAS WHICH ARE NOT PERMANENTLY STABILIZED WILL BE HEAVILY MULCHED WHEN WORK IS COMPLETED ON THE SITE AND NOT ANTICIPATED AGAIN WITHIN ONE DAY.
2. ALL OPEN AREAS WILL BE HEAVILY MULCHED EVERY NIGHT IN THE CASE OF A FORECAST OF STORMY WEATHER WITHIN 12 HOURS.

TEMPORARY SEEDING NOTES

1. ANY DISTURBED AREAS TO BE LEFT IN ROUGH GRADED FORM FOR MORE THAN 30 DAYS BUT LESS THAN ONE GROWING SEASON SHALL BE LIMED, FERTILIZED, TEMPORARILY SEEDED AND MULCHED.
2. APPLICATION RATES AND MATERIALS USED SHALL BE THE SAME AS FOR PERMANENT SEEDING EXCEPT SEED MIXTURE SHALL BE ANNUAL RYEGRASS.

DORMANT SEEDING NOTES

1. DURING PERIODS FROM OCTOBER 1 TO NOVEMBER 15, AREAS DISTURBED SHALL BE DORMANT SEEDED WITH WINTER RYE, 1.5 LB/1,000 SF. DURING PERIODS BETWEEN NOVEMBER 15 AND APRIL 15, DISTURBED AREAS SHALL BE MULCHED AND IF NECESSARY, STABILIZED WITH EROSION CONTROL MESH.

GENERAL NOTES

1. ON-SITE STABILIZATION WILL BE DONE WITHIN 15 DAYS OF FINAL GRADING OR WITHIN 30 DAYS OF INITIAL SOIL DISTURBANCE.
2. EVERY WEEK AND AFTER PRECIPITATION PRODUCING THE EQUIVALENT OF ONE HALF INCH OF RAINFALL, THE CONTRACTOR SHALL INSPECT AND MAINTAIN ALL EROSION CONTROL MEASURES. MAINTENANCE SHALL INCLUDE, BUT NOT BE LIMITED TO, REMOVAL OF SEDIMENT FROM SILT FENCE IF SOIL ACCUMULATES TO A DEPTH OF ONE-HALF THE FABRIC HEIGHT; REPAIR OF STONE CHECK DAMS IF RUNOFF CHANNELIZES UNDER OR AROUND THE DAMS; AND WASHING OF TEMPORARY CONSTRUCTION ENTRANCE PRIOR TO OCCURRENCES OF SIGNIFICANT TRACKING.
3. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH "MAINE EROSION & SEDIMENT CONTROL HANDBOOK FOR CONSTRUCTION: BEST MANAGEMENT PRACTICES", BY MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION, 2003 & MDEP CHAPTER 500 STORMWATER MANAGEMENT; APPENDIX A, B & C.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL EROSION CONTROL MEASURES, INCLUDING MATERIALS, CONSTRUCTION, MAINTENANCE AND REMOVAL.
5. EROSION CONTROL MAT SHALL BE INSTALLED ON ALL LOAMED AND SEEDED AREAS WHICH HAVE A SLOPE GREATER THAN 3:1.
6. WATER SHALL BE UTILIZED TO CONTROL DUST IF NECESSARY (AS DETERMINED BY THE ENGINEER).
7. EROSION CONTROL MEASURES SHALL BE INSPECTED ON A MONTHLY BASIS ONCE FINAL STABILIZATION IS COMPLETE, BY THE INSPECTING ENGINEER AND THE CONTRACTOR SHALL COOPERATE WITH HIS/HER DIRECTION. THIS INSPECTION IN NO WAY REDUCES OR ELIMINATES THE CONTRACTOR'S RESPONSIBILITY TO ADHERE WITH VERBAL OR WRITTEN REQUIREMENTS OF DEP, ARMY CORPS, EPA, OR OTHER JURISDICTIONAL AGENCIES.
8. AFTER EACH INSPECTION OF EROSION CONTROL MEASURES, AN INSPECTION REPORT DETAILING THE SCOPE OF THE INSPECTION, NAME(S) OF PERSONNEL CONDUCTING THE INSPECTION, DATE, MAJOR OBSERVATIONS, AND ACTIONS TAKEN, SHALL BE MADE AND KEPT ON FILE FOR THREE YEARS AFTER THE INSPECTION.

INFRASTRUCTURE MAINTENANCE

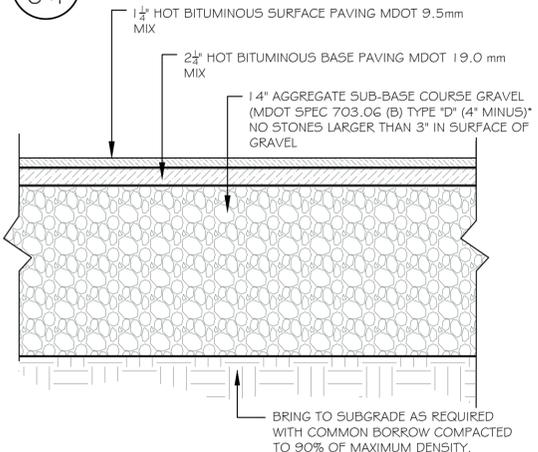
STRUCTURE TYPE	INSPECTION	CLEANING
HAY BALES	MONTHLY	AS NEEDED
STONE CHECK DAMS	MONTHLY	AS NEEDED
SILT FENCES	MONTHLY	AS NEEDED
CULVERTS	MONTHLY	AS NEEDED
DRY POND	MONTHLY	AS NEEDED

SPECIFIC INSTRUCTIONS:

1. SILT FENCE - SILT FENCES SHOULD BE CHECKED AT LEAST MONTHLY DURING CONSTRUCTION. IF NEEDED, THEY SHOULD BE REPLACED.
2. CULVERTS - CULVERTS SHOULD BE CHECKED MONTHLY FOR ACCUMULATION OF DEBRIS. IF NEEDED THEY SHOULD BE DREDGED.

*A STORMWATER MAINTENANCE LOG SHOULD BE MAINTAINED TO DOCUMENT COMPLIANCE WITH THE SUGGESTED SCHEDULE.

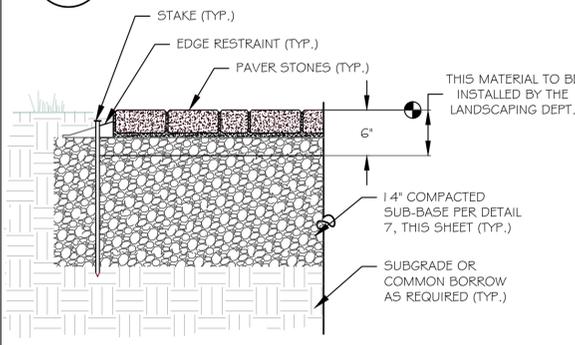
7 TYP. PARKING SECTION
N.T.S.
C-4



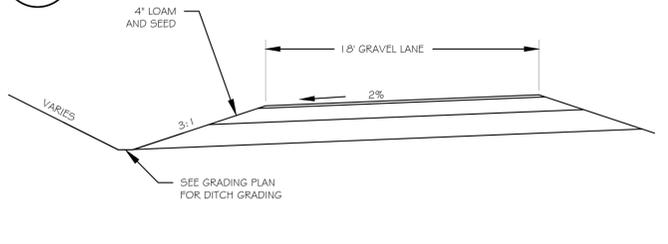
NOTES:

1. COMPACT GRAVEL BASE COURSE TO 95% OF MAXIMUM DRY DENSITY USING HEAVY ROLLER COMPACTION.
2. CONTRACTOR SHALL SET GRADE STAKES MARKING SUB-BASE, BASE AND FINISH GRADE ELEVATIONS FOR CONSTRUCTION REFERENCE.

8 TYP. PAVER DETAIL
N.T.S.
C-4



9 TYP. ROAD CROSS SECTION
N.T.S.
C-4



**PRELIMINARY
NOT FOR CONSTRUCTION**

PROJECT: Kingdom Hall of Jehovah's Witnesses
ADDRESS: Cross Hill Road, Augusta, Maine

SHEET TITLE: Details
DRAWN: RC/RF APPROVED: EH
SCALE: AS NOTED
DATE: 4/26/2013

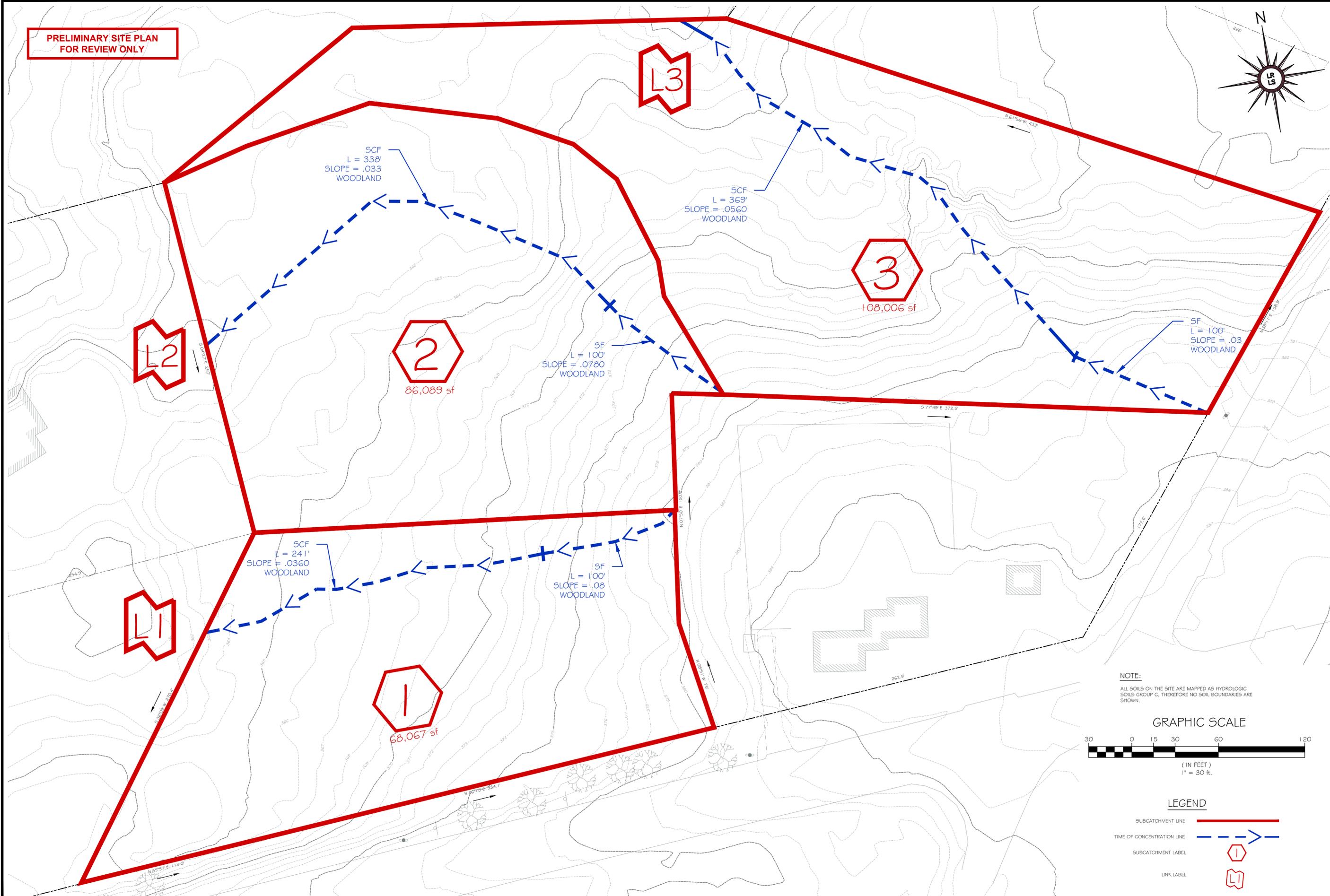
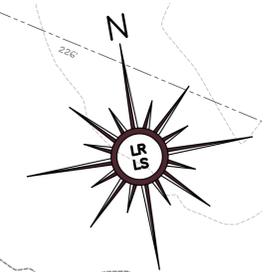
PHASE: CONSTRUCTION

STATE OF MAINE
EERO HEDEPNE
No. 1011
LICENSED PROFESSIONAL ENGINEER
4.11.14

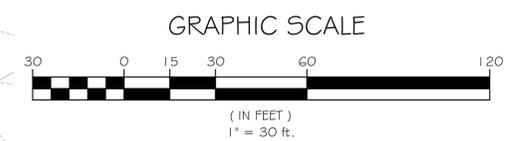
MRBC

C-4

PRELIMINARY SITE PLAN
FOR REVIEW ONLY



NOTE:
ALL SOILS ON THE SITE ARE MAPPED AS HYDROLOGIC SOILS GROUP C, THEREFORE NO SOIL BOUNDARIES ARE SHOWN.

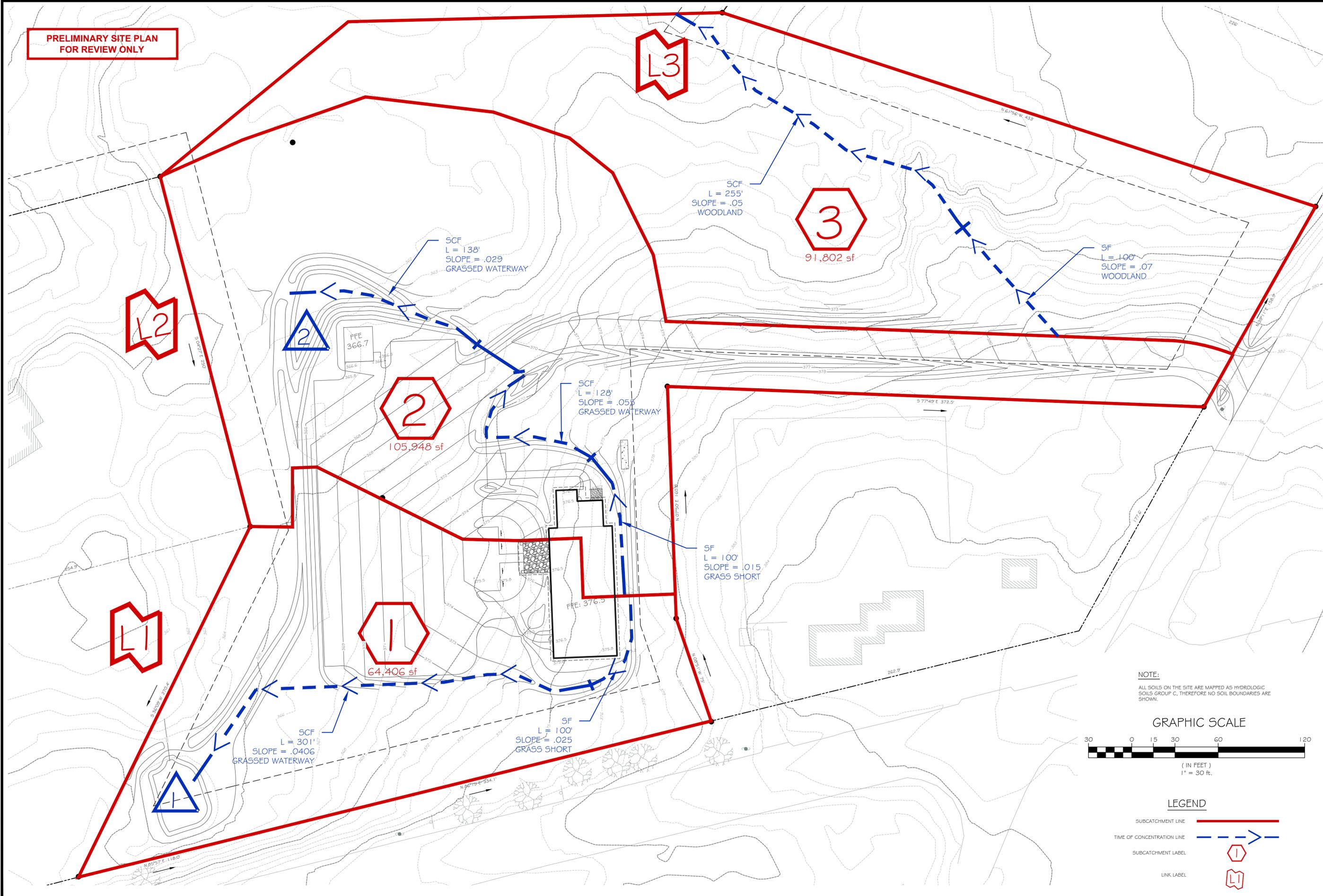


LEGEND

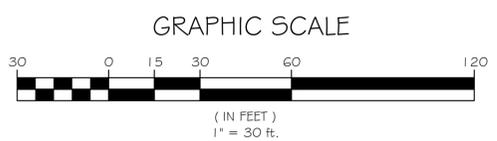
SUBCATCHMENT LINE	
TIME OF CONCENTRATION LINE	
SUBCATCHMENT LABEL	
LINK LABEL	

PROJECT: Kingdom Hall of Jehovah's Witnesses ADDRESS: Cross Hill Road Augusta, Maine		SHEET TITLE: PREDEVELOPMENT WATERSHED PLAN DRAWN: RC/RF SCALE: AS NOTED DATE: 4/10/2014	
Maine Regional Building Committee		MRBC	
PHASE: PERMITTING			
C-6		REVISIONS NO. DATE	

PRELIMINARY SITE PLAN
FOR REVIEW ONLY



NOTE:
ALL SOILS ON THE SITE ARE MAPPED AS HYDROLOGIC
SOILS GROUP C, THEREFORE NO SOIL BOUNDARIES ARE
SHOWN.



LEGEND

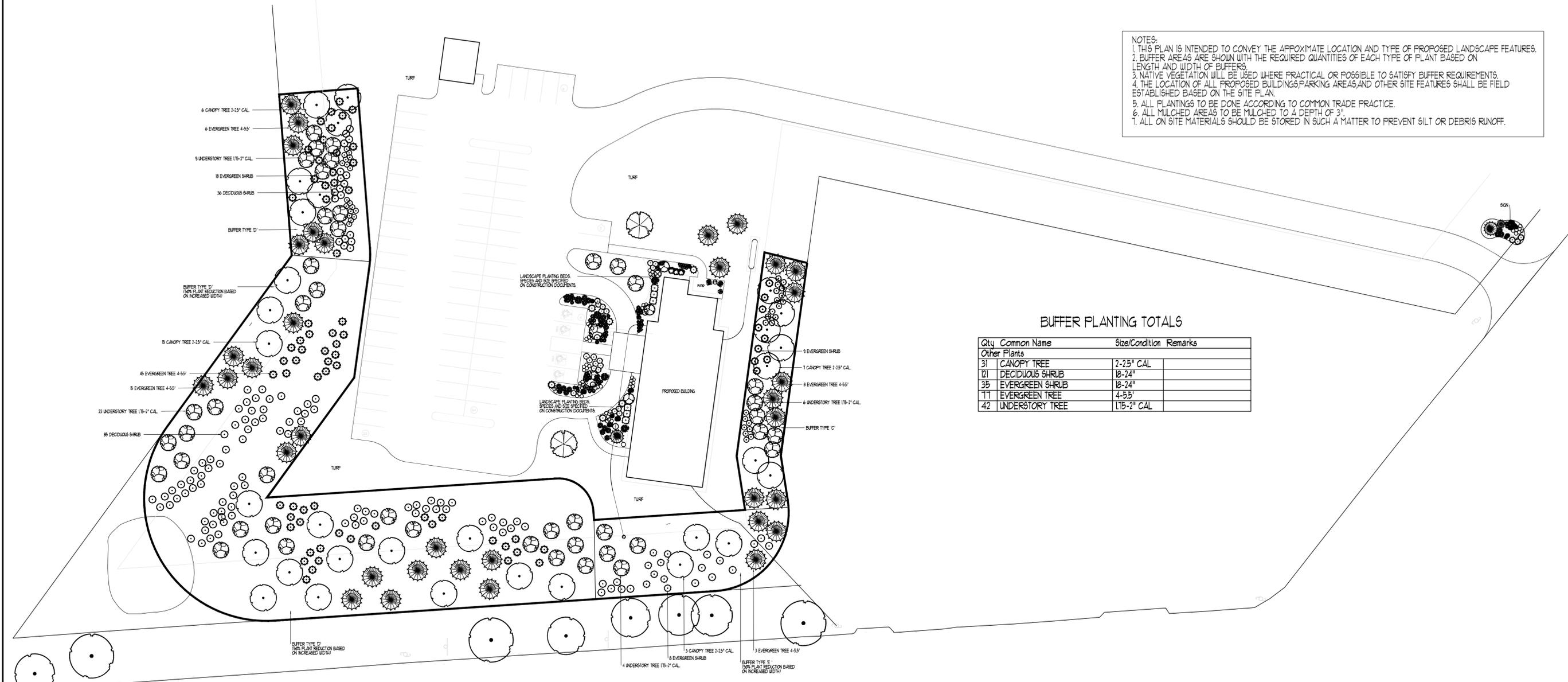
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- TIME OF CONCENTRATION LINE
- SUBCATCHMENT LABEL
- LINK LABEL

SHEET TITLE: POSTDEVELOPMENT WATERSHED PLAN		DRAWN: RC/R/F		APPROVED: EHT	
PROJECT: Kingdom Hall of Jehovah's Witnesses		ADDRESS: Cross Hill Road		DATE: 4/10/2014	
Maine Regional Building Committee		MRBC		PHASE: PERMITTING	
STATE OF MAINE		EERO HEDERINE No. 0111		PROFESSIONAL ENGINEER	
C-7		4-1-14		REVISIONS	
				NO.	
				DATE	

LANDSCAPE PLAN

NOTES:

1. THIS PLAN IS INTENDED TO CONVEY THE APPROXIMATE LOCATION AND TYPE OF PROPOSED LANDSCAPE FEATURES.
2. BUFFER AREAS ARE SHOWN WITH THE REQUIRED QUANTITIES OF EACH TYPE OF PLANT BASED ON LENGTH AND WIDTH OF BUFFERS.
3. NATIVE VEGETATION WILL BE USED WHERE PRACTICAL OR POSSIBLE TO SATISFY BUFFER REQUIREMENTS.
4. THE LOCATION OF ALL PROPOSED BUILDINGS, PARKING AREAS AND OTHER SITE FEATURES SHALL BE FIELD ESTABLISHED BASED ON THE SITE PLAN.
5. ALL PLANTINGS TO BE DONE ACCORDING TO COMMON TRADE PRACTICE.
6. ALL MULCHED AREAS TO BE MULCHED TO A DEPTH OF 3".
7. ALL ON SITE MATERIALS SHOULD BE STORED IN SUCH A MANNER TO PREVENT SILT OR DEBRIS RUNOFF.



BUFFER PLANTING TOTALS

Qty	Common Name	Size/Condition	Remarks
Other Plants			
31	CANOPY TREE	2-2.5" CAL	
121	DECIDUOUS SHRUB	18-24"	
35	EVERGREEN SHRUB	18-24"	
11	EVERGREEN TREE	4-5.5'	
42	UNDERSTORY TREE	1.15-2" CAL	

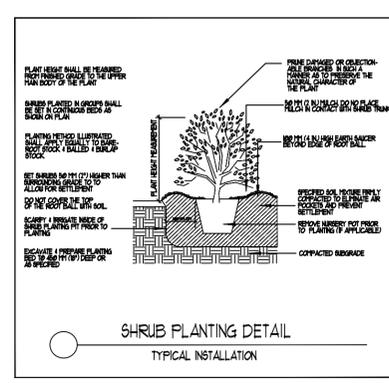
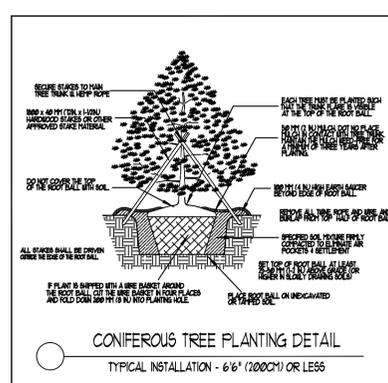
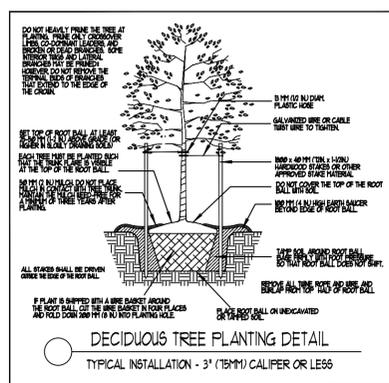
NO.	DATE	NOTE

KINGDOM HALL OF JEHOVAH'S WITNESSES

MAINE REGIONAL BUILDING COMMITTEE

CROSS HILL RD. AUGUSTA, MAINE

FOR AGENCY REVIEW
NOT FOR CONSTRUCTION



SCALE: 1"=30'
DRAWN BY: TAF
CHECKED BY:
DATE: 4/10/14
DATE OF PRINT: 4/11/14

PROJECT:
SHEET NO.: L-1