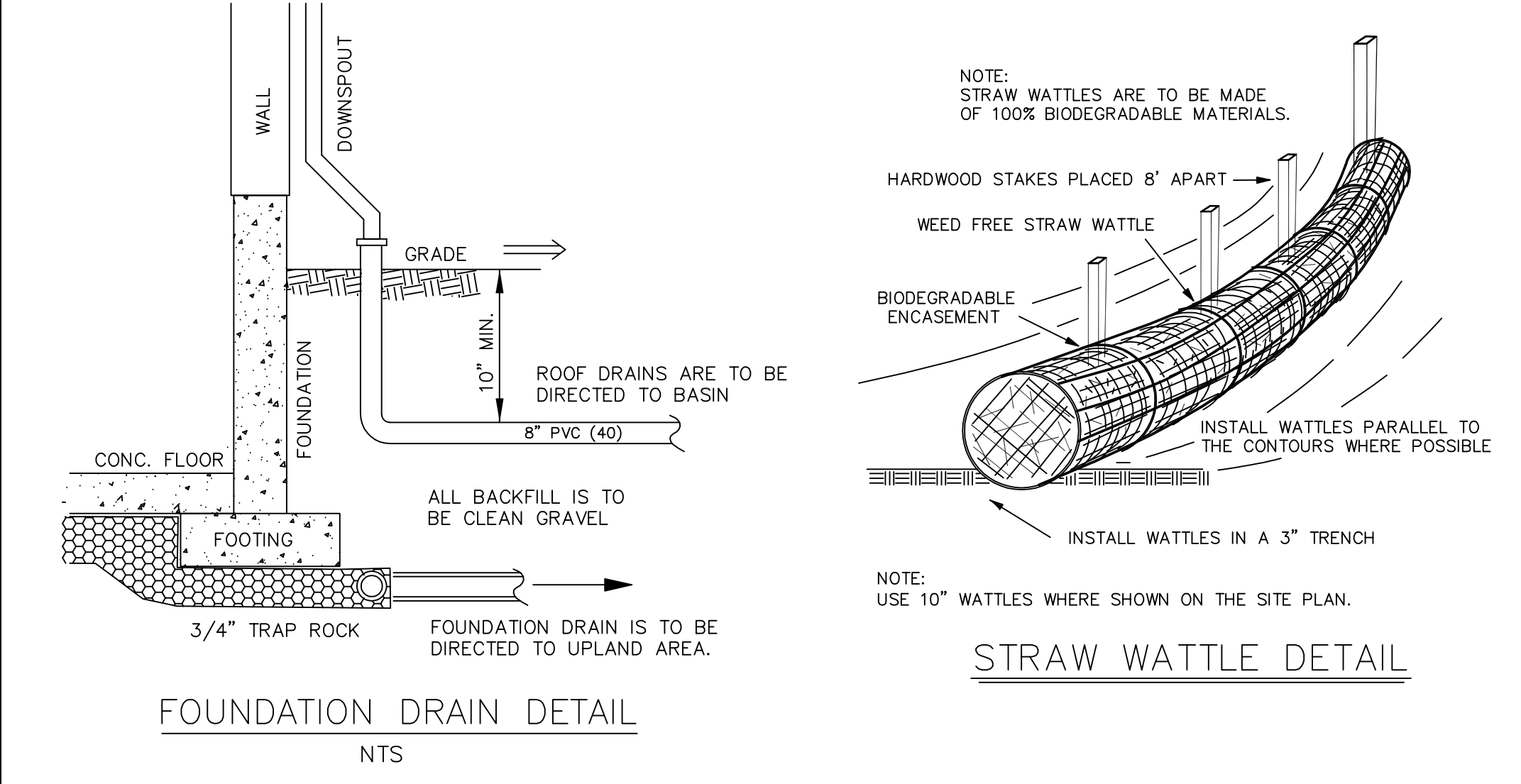
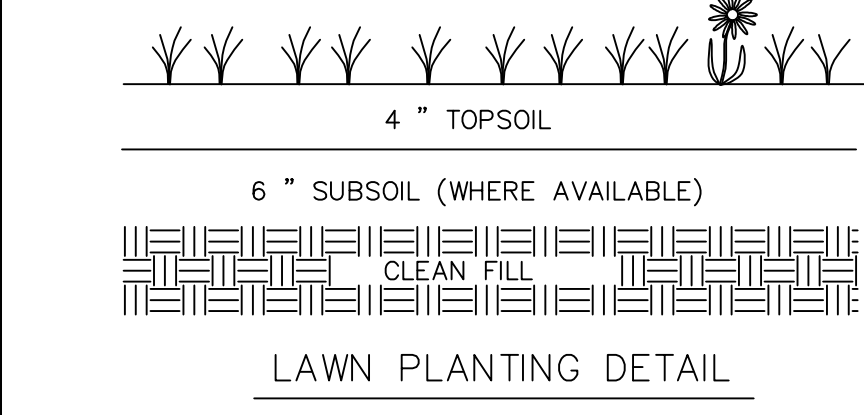
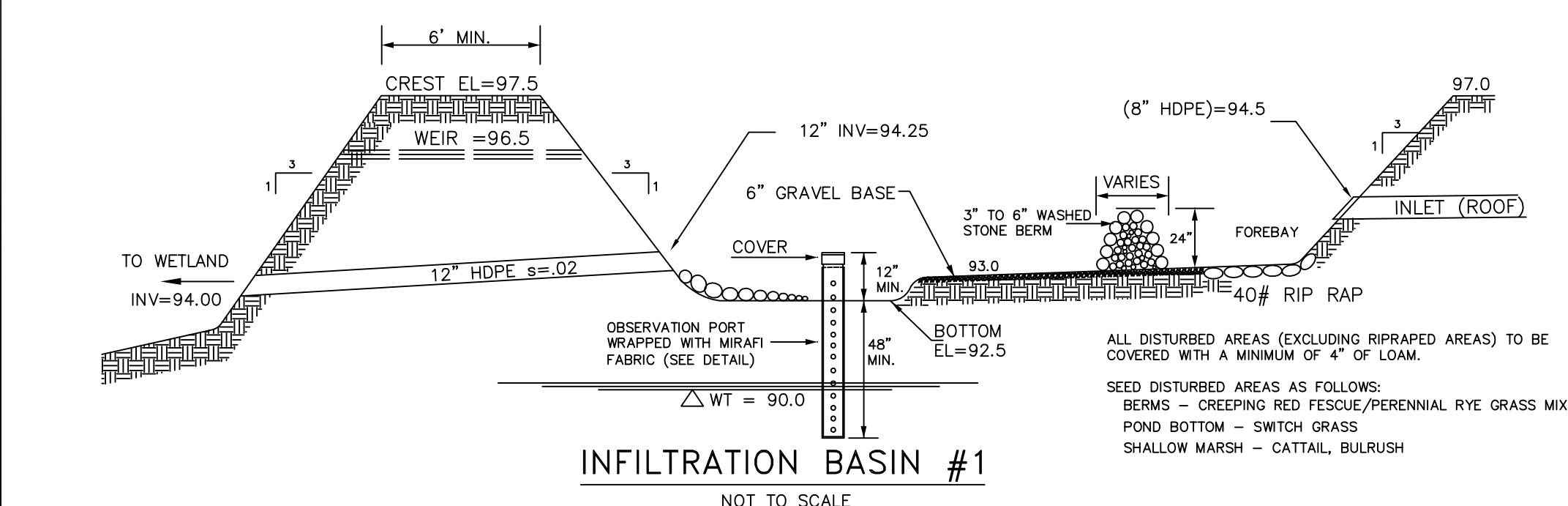
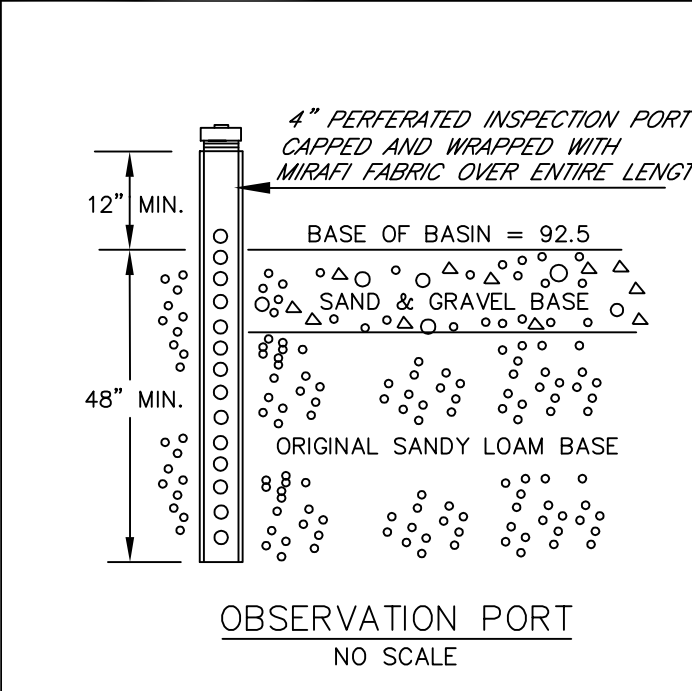


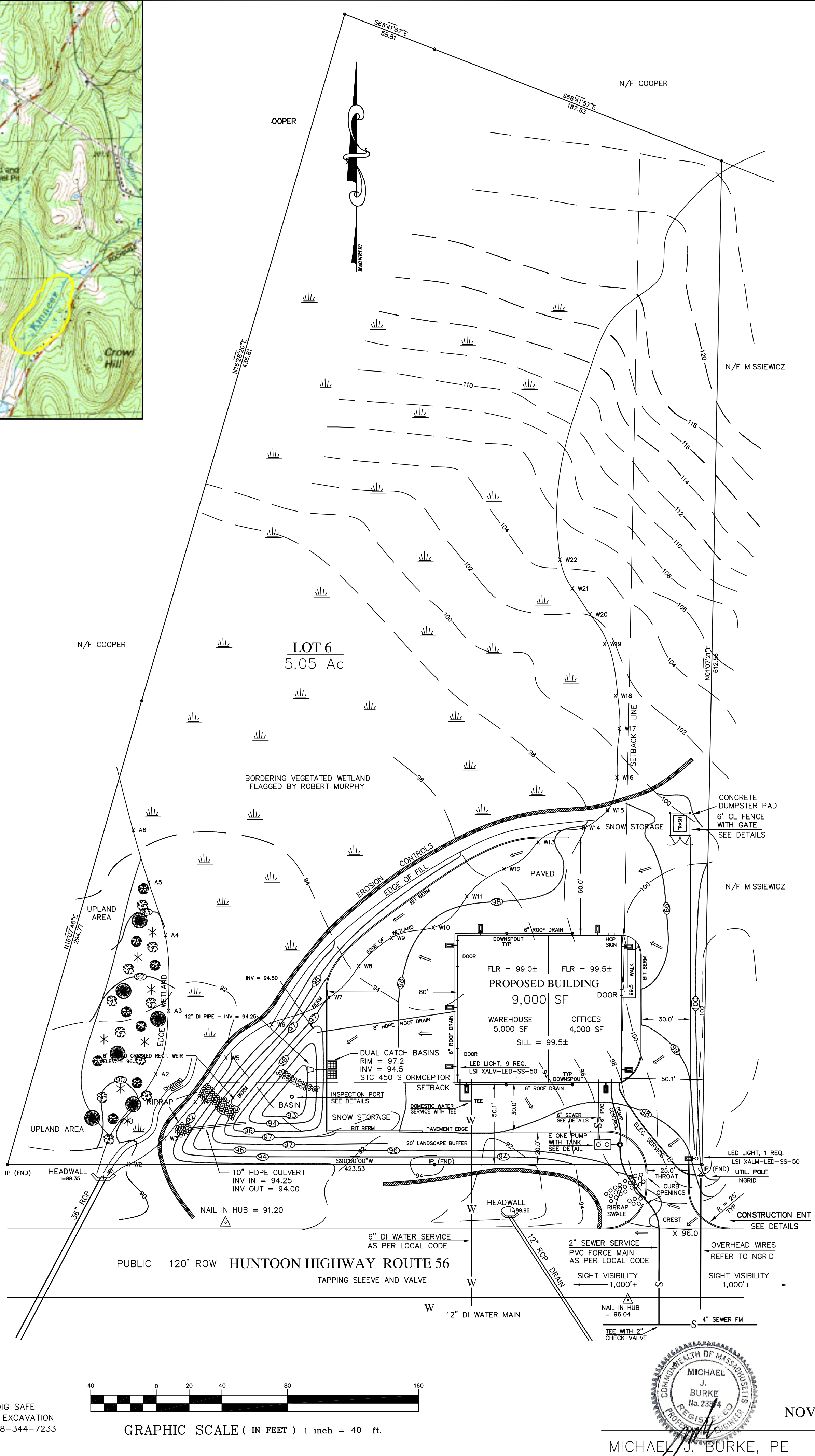
SITE PLAN
APPROVED
LEICESTER
PLANNING BOARD

DATE



THE ROOF DRAINS, DRY WELLS, AND TEMPORARY EROSION CONTROLS ARE TO BE CONSTRUCTED AND MAINTAINED AS PER THE ORDER OF CONDITIONS AS ISSUED BY THE LEICESTER CONSERVATION COMMISSION. THESE SPECIFICATIONS ARE REFERENCED WITHIN THE ORDER OF CONDITIONS AS RECORDED AT THE WORCESTER REGISTRY OF DEEDS. ALL CONSTRUCTION OF THESE STRUCTURES IS TO BE SUPERVISED BY AN INDIVIDUAL FAMILIAR WITH THE MOST RECENT EDITION OF THE D.E.P. STORMWATER MANAGEMENT GUIDELINES.

CONTRACTOR TO NOTIFY DIG SAFE
72 HOURS PRIOR TO ANY EXCAVATION
TELEPHONE NUMBER 1-888-344-7233
WWW.DIGSAFE.COM



CONSTRUCTION SEQUENCE & EROSION CONTROLS

111 HUNTOON HIGHWAY, LEICESTER, MASSACHUSETTS

The following is a list of the proposed construction sequence and erosion controls for the Commercial Building proposed by Kevin Menard 111 Huntoon Highway, Leicester, Massachusetts. DEP File #197-0599

1. The contractor and all sub-contractors are to be made aware of the Order of Conditions as granted by the Leicester Conservation Commission and its regulations applicable to this project. A copy of this Order and the site plans are to be readily available on site at all times.
2. Staked Straw Wattles filled with bark mulch and silt fences are to be installed where shown on the site plans. The contractor and the owner are responsible for the proper maintenance of the filter socks and to identify and correct all sources of erosion.
3. Rough grading and stump removal are to be confined to areas as shown on the site plan for the development of the building, driveway and landscaped areas. Construction materials are to be stockpiled in an area outside the buffer zone where possible.
4. At no time should heavy equipment cross the erosion controls or operate within the bordering vegetated wetlands without authorization from the Leicester Conservation Commission. All fueling of construction equipment is to be done in the uplands outside of the buffer zone.
5. Temporary stabilization of disturbed areas is to limit erosion toward the wetland area to the west. All trenches are to be filled on a daily basis with special care taken to avoid routing rainfall through gullies toward the wetland areas.
6. The contractor is to use proper judgment relative to construction practices during adverse weather conditions or periods of high groundwater. No work is to be performed near the wetland areas during periods of heavy rainfall. Site inspections are required after heavy rainfall events.
7. Periodic maintenance of the erosion control structures is required in order to insure the proper protection of the resource areas.
8. All graded areas are to be loamed and seeded as soon as possible in order to insure the rapid stabilization of the erosion prone areas. A Conservation Seed Mixture of 20% Annual Ryegrass, 30% Creeping Red Fescue, 30% Chewings Fescue and 20% Perennial Ryegrass is recommended.
9. The staked erosion controls are to remain in place for at least one full growing season. Periodic inspections of these erosion control structures is to continue during this phase of vegetation stabilization. In areas where silt fences have been installed, they are to be removed once the slopes have been stabilized in order to promote migration of local amphibious species.
10. The contractor is to stabilize all slopes immediately upon completion of work within each phase to prevent erosion of soils into the resource areas or their associated buffer zones. During the grow-in period, temporary erosion controls (i.e. bark mulch or straw) is to be used to prevent erosion during periods of rainfall or snowmelt. If erosion of slopes should occur, immediate attention is to be given to stabilizing these areas to prevent impacts to resource areas and or their associated buffer zones.
11. Periodic inspections of the entire construction site are to be performed by a competent representative who will insure the adherence to the regulations as set forth in 310 CMR 10.00. The contractor is to allow unimpeded access to the jurisdictional areas by all members of the Leicester Conservation Commission in order that they may view the construction procedures. No unauthorized individuals are to enter the construction area without the expressed consent of the owner.
12. The Applicant is to notify the Leicester Conservation Commission once the jurisdictional work has been completed and the entire site has been properly stabilized. Upon approval of the work subject to the Order of Conditions, the applicant is to receive a Certificate of Compliance that is to be recorded at the Worcester Registry of Deeds.
13. All buried utilities as shown are taken from available information and are to be considered as approximate only. Prior to commencement of construction, the contractor is to contact DIG SAFE at 1-888-DIG SAFE to have all buried utilities properly located.

DEP #197-0000

LEGEND		
—100—	EXISTING CONTOURS	← DRAINAGE FLOW
—100—	PROPOSED CONTOURS	— EROSION CONTROLS
		— UTILITIES

DESIGNED BY: R. G. Murphy	DRAWN BY: R. G. Murphy	DATE: SEPT. 23, 2016
SCALE: 1" = 40'	PLAN NO.: 5-16-33	SHEET: 2 OF 5

ROBERT G. MURPHY & ASSOC., INC.
ENVIRONMENTAL CONSULTANTS
214 Worcester Street
No. Grafton, Massachusetts 01536
(508) 839-0310
Fax: (508) 839-5914

STORMWATER MANAGEMENT PLAN FOR:
KEVIN J. MENARD
93 HUNTOON HIGHWAY MAP 44 PARCEL B6.0
LEICESTER, MASSACHUSETTS

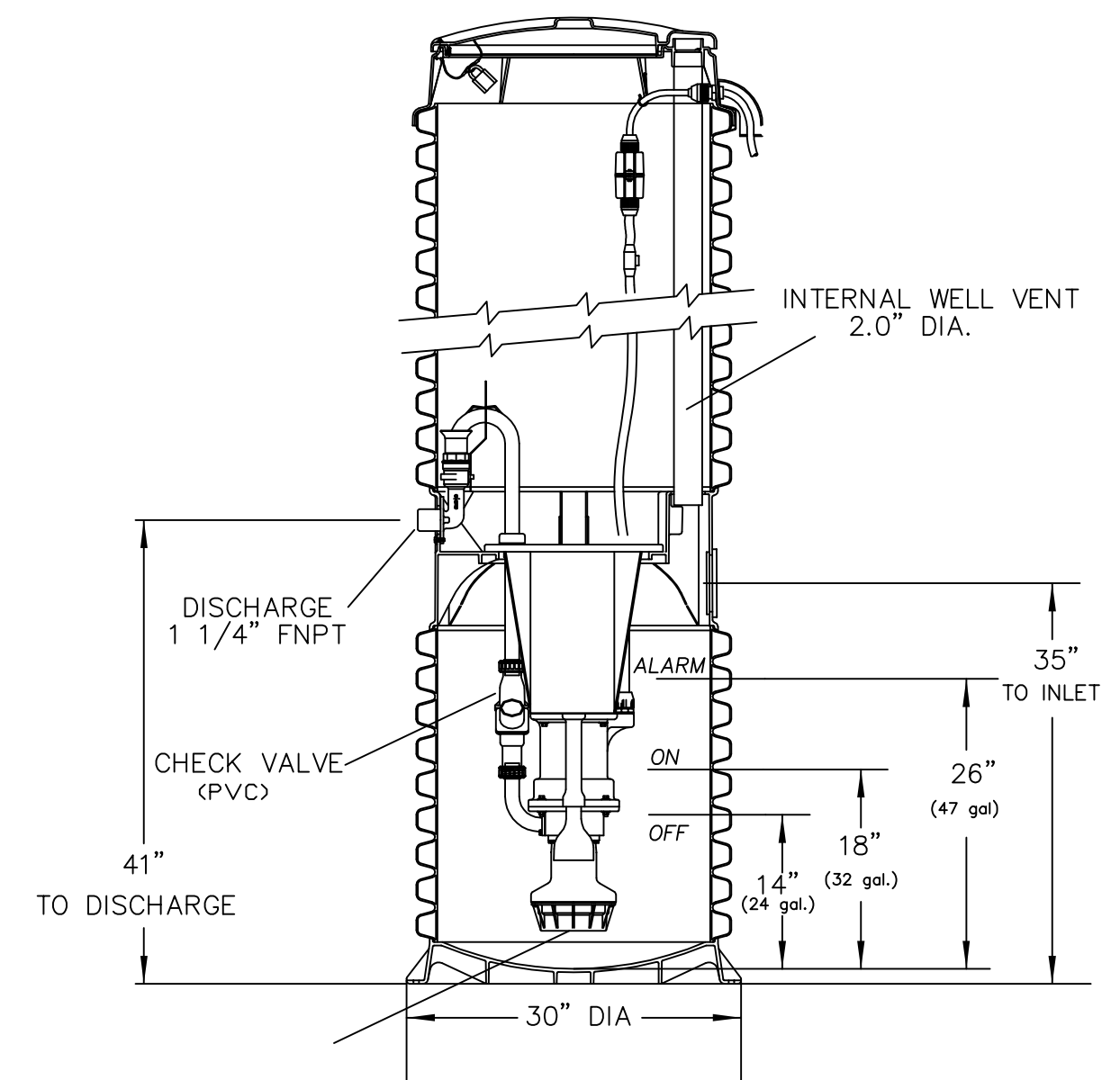
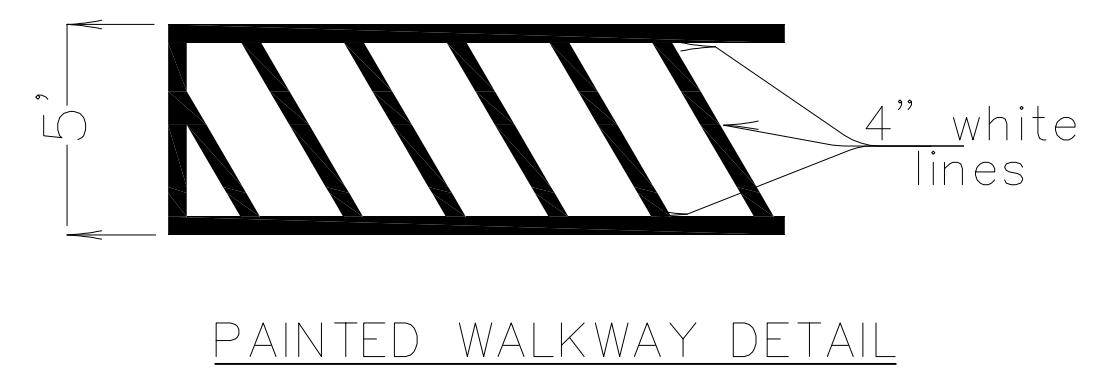
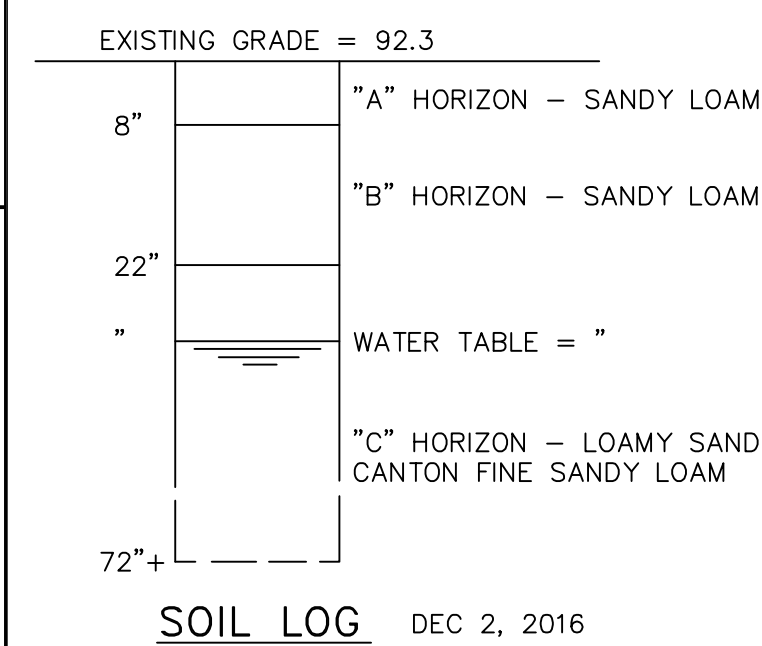
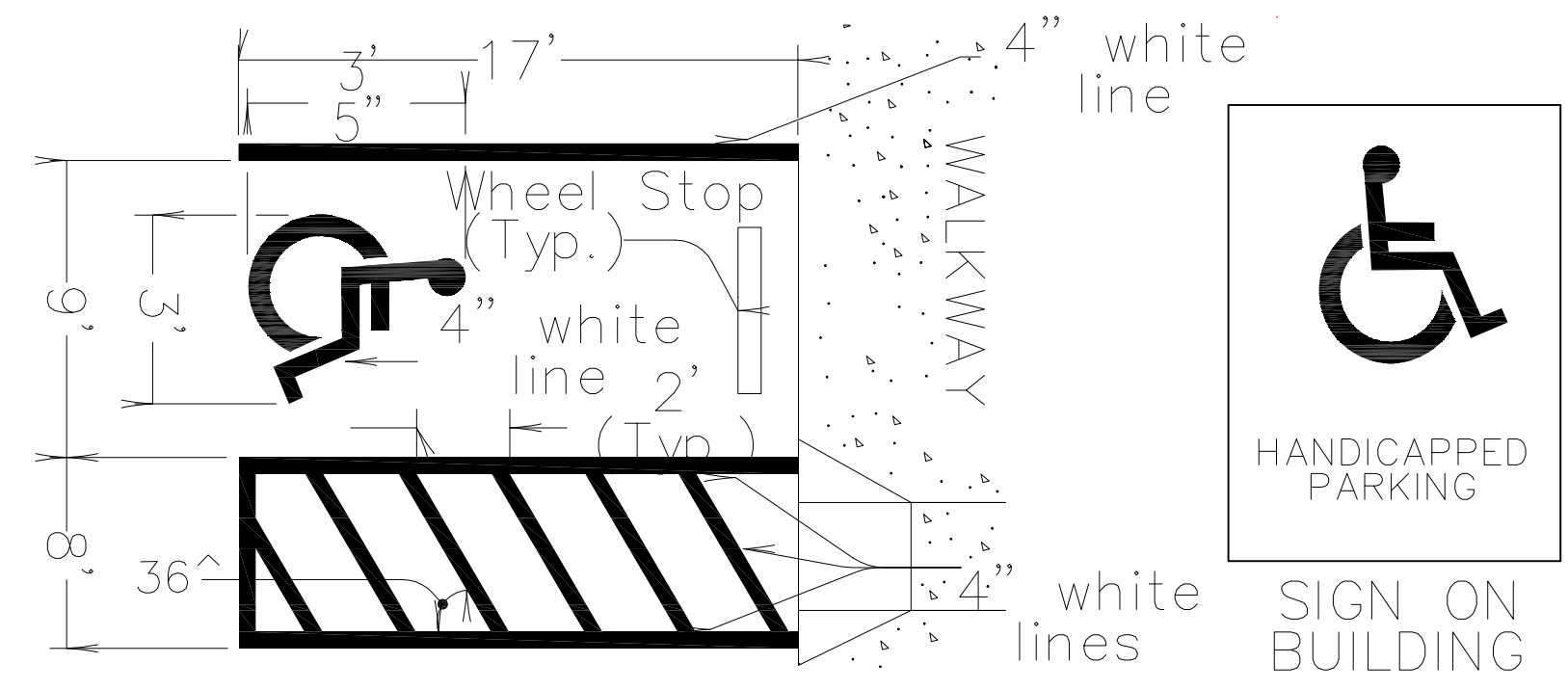
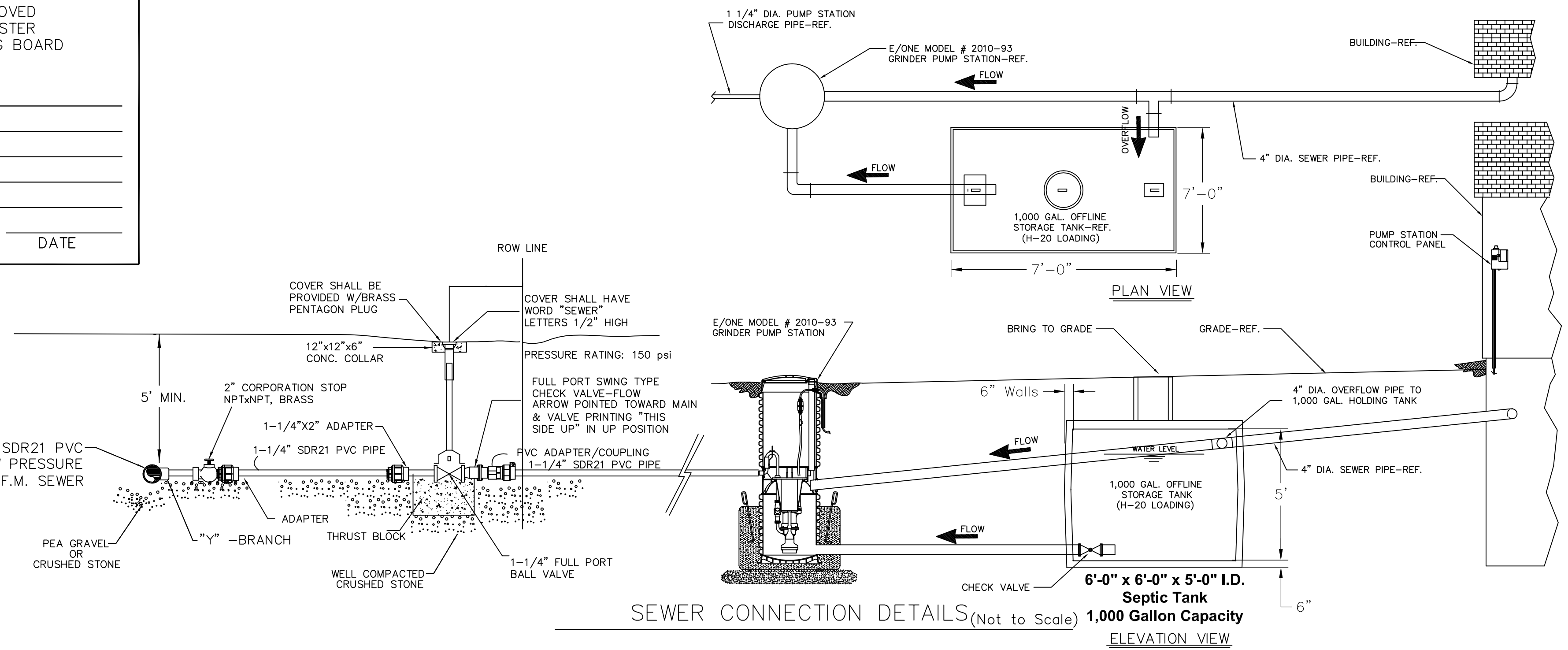
REVISED: AS PER QUINN ENGINEERING REVIEW DATED 11-14-2016 RGM 11-30-2016	STORMWATER DEP #197-0599
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NOV. 30, 2016

MICHAEL J. BURKE, PE DATE

SITE PLAN
APPROVED
LEICESTER
PLANNING BOARD

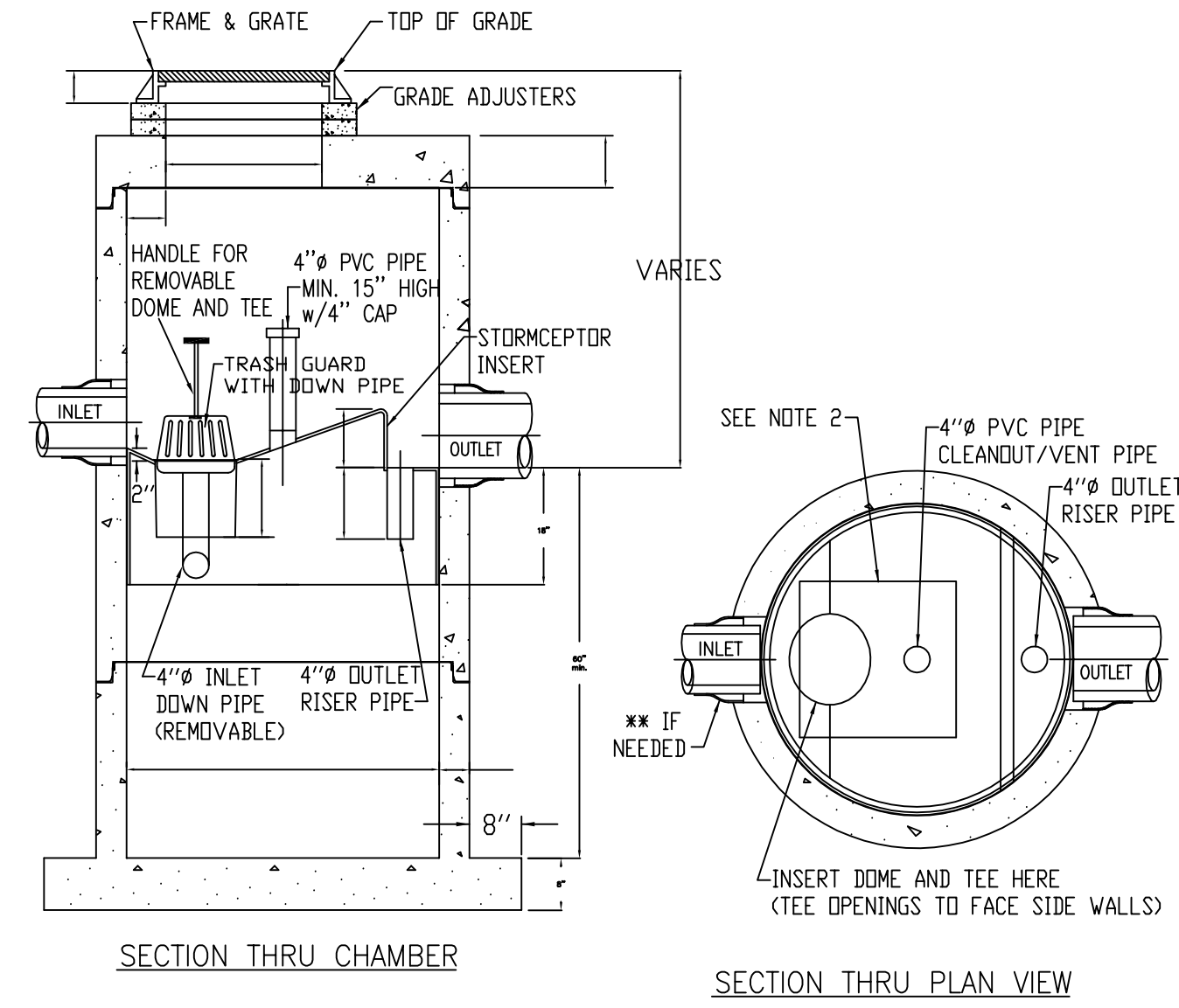
DATE



SEMI-POSITIVE DISPLACEMENT TYPE PUMP
DIRECTLY DRIVEN BY A 1 HP MOTOR
CAPABLE OF DELIVERING 9 GPM AT 138' T.D.H.

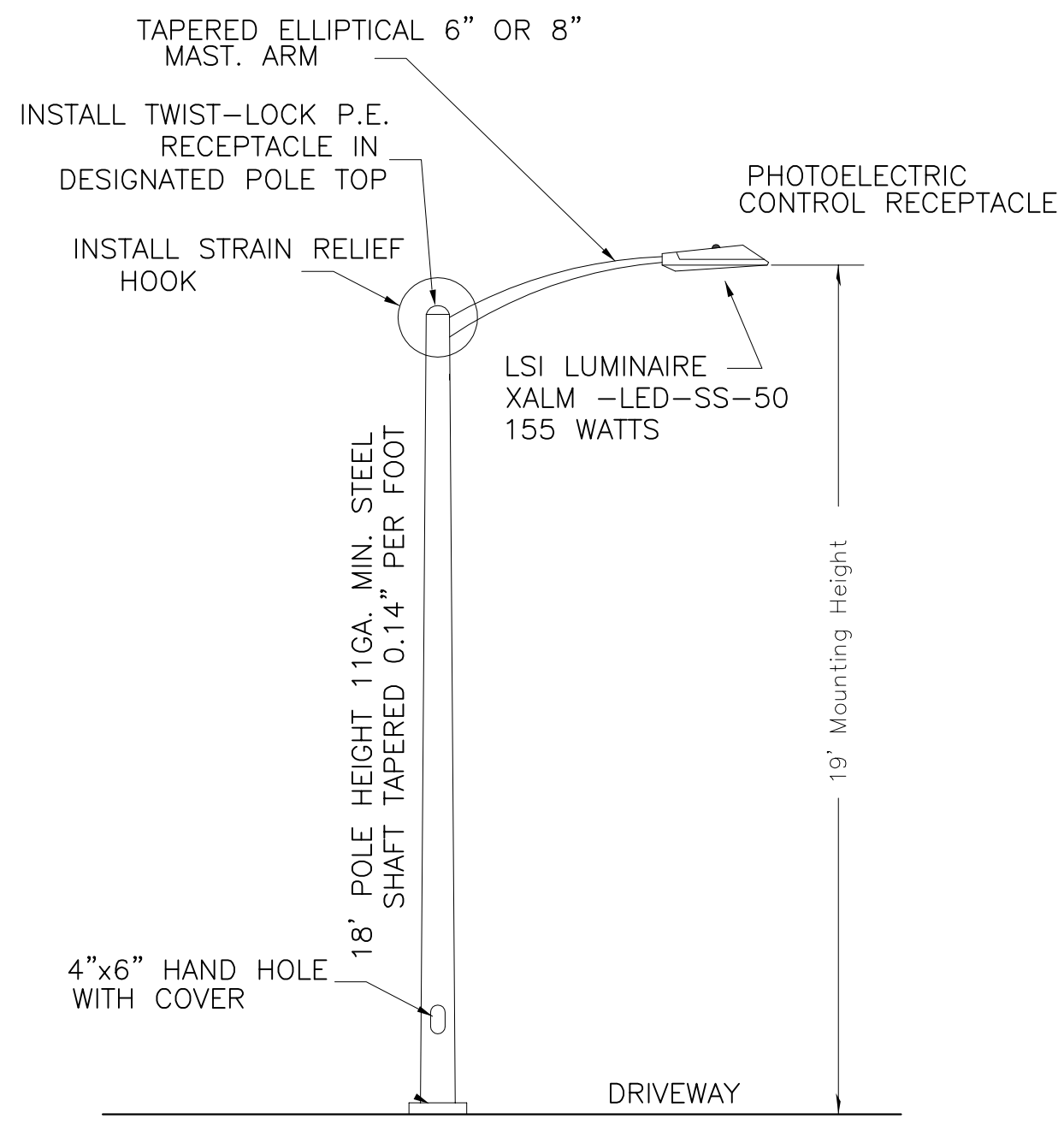
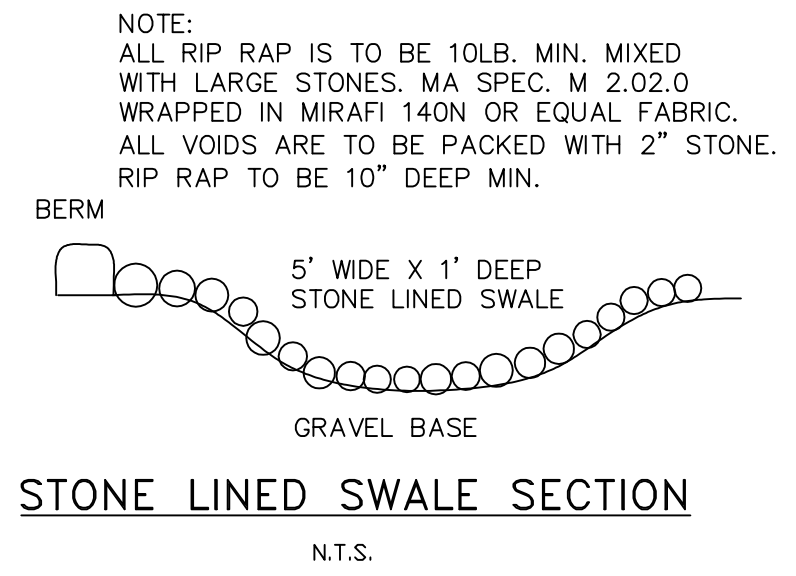
NOTE: A CONCRETE ANCHOR IS REQUIRED TO
PREVENT TANK FROM FLOATING
(SEE MANUFACTURERS REQS.)

ENVIRONMENT ONE CORP. – MODEL 2010
(NOT TO SCALE)



NOTE :
1. THE USE OF FLEXIBLE CONNECTIONS IS RECOMMENDED
AT THE OUTLET WHERE APPLICABLE.
2. THE COVER SHOULD BE POSITIONED OVER THE 4\"/>

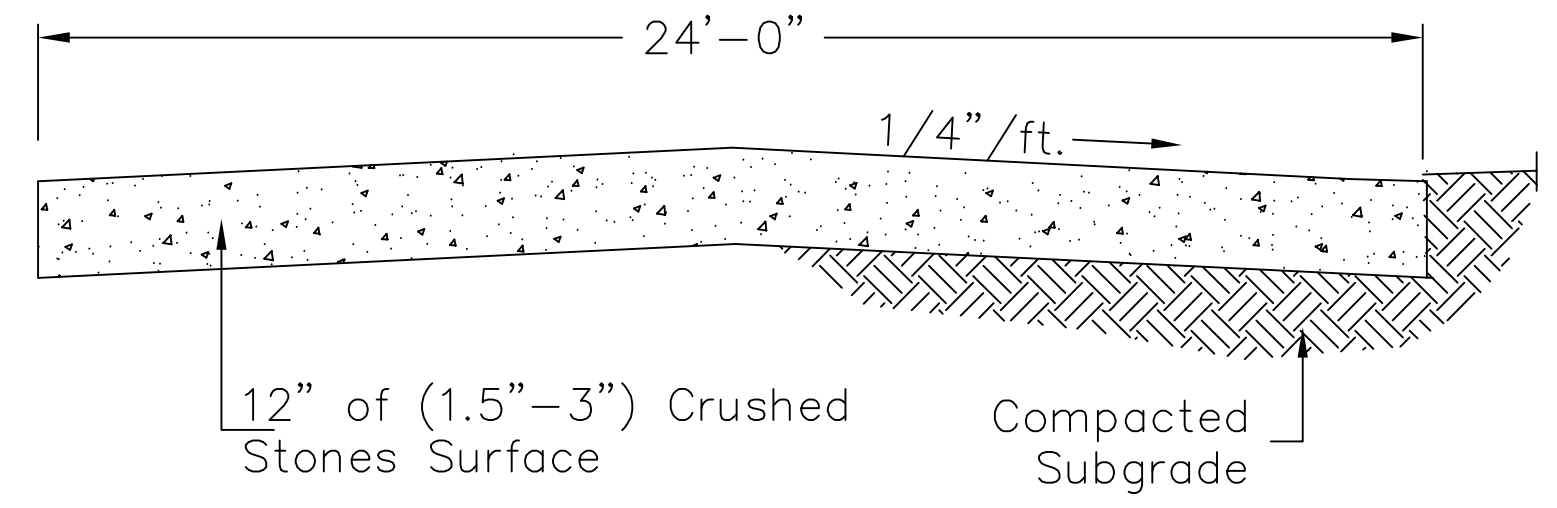
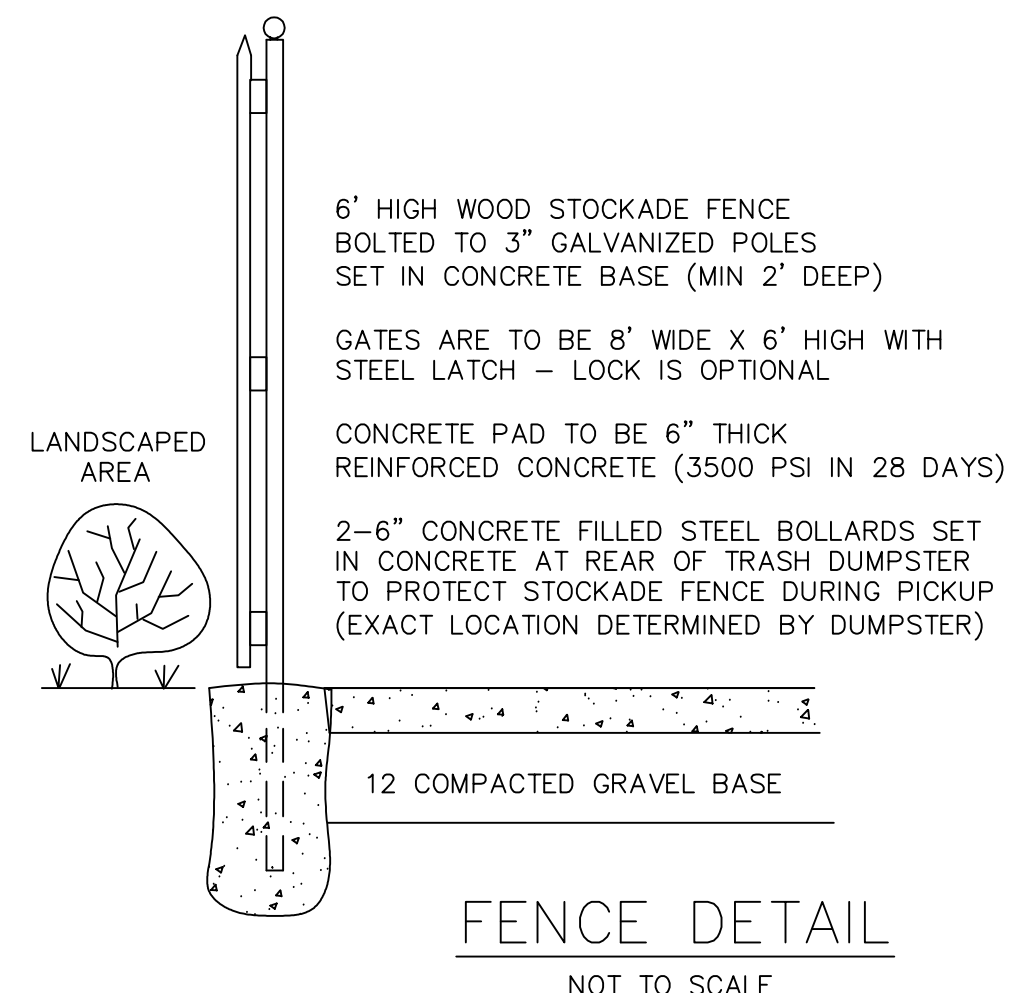
STC 450i Precast Concrete Stormceptor
(450 US Gallon Capacity)



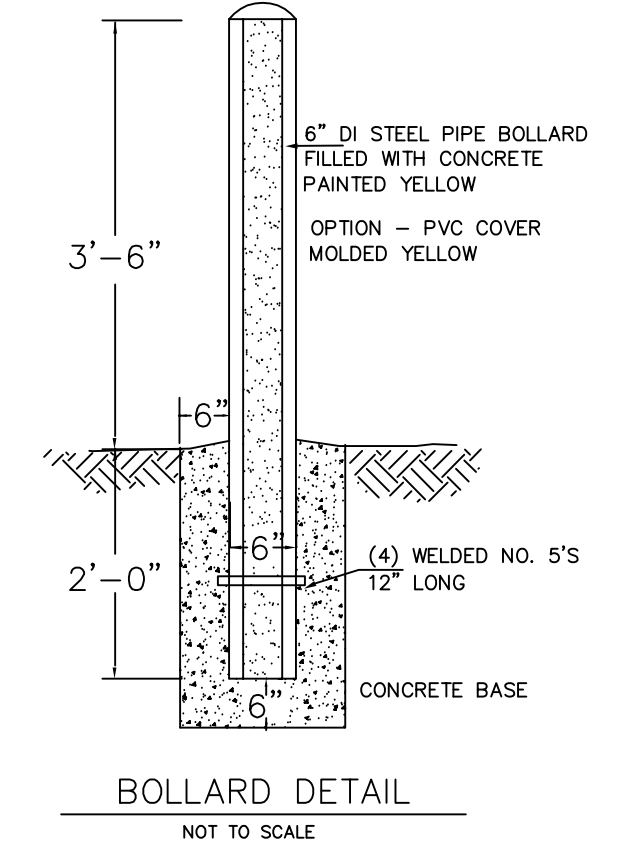
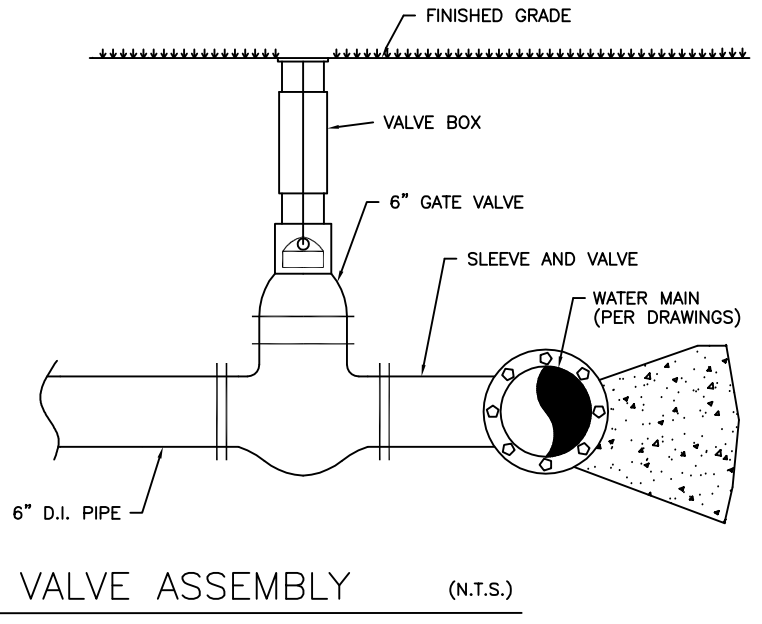
TYPICAL LIGHT POLE
LSI-XALM-LED-SS-50-18' 18' POLE
NOT TO SCALE

REFER TO THE LSI LIGHTING PLAN FOR
EXTERIOR LAMP SPECIFICATIONS

MICHAEL J. BURKE, PE
NOV. 30, 2016



Temporary 50' Construction Entrance
NTS



LEGEND

- 100— EXISTING CONTOURS
- 100— PROPOSED CONTOURS
- LANDSCAPE PLANTS
- EROSION CONTROLS
- UTILITIES

DESIGNED BY: R. G. Murphy
SCALE: 1" = 40'

DRAWN BY: R. G. Murphy
PLAN NO.: S-16-33

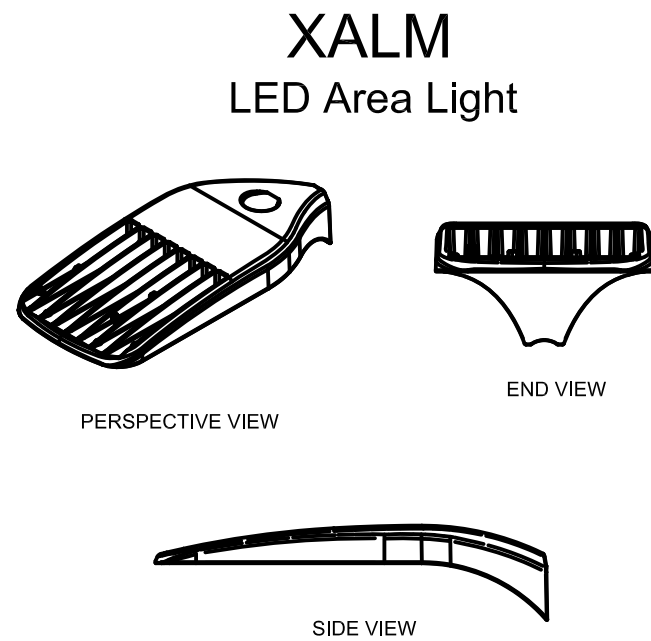
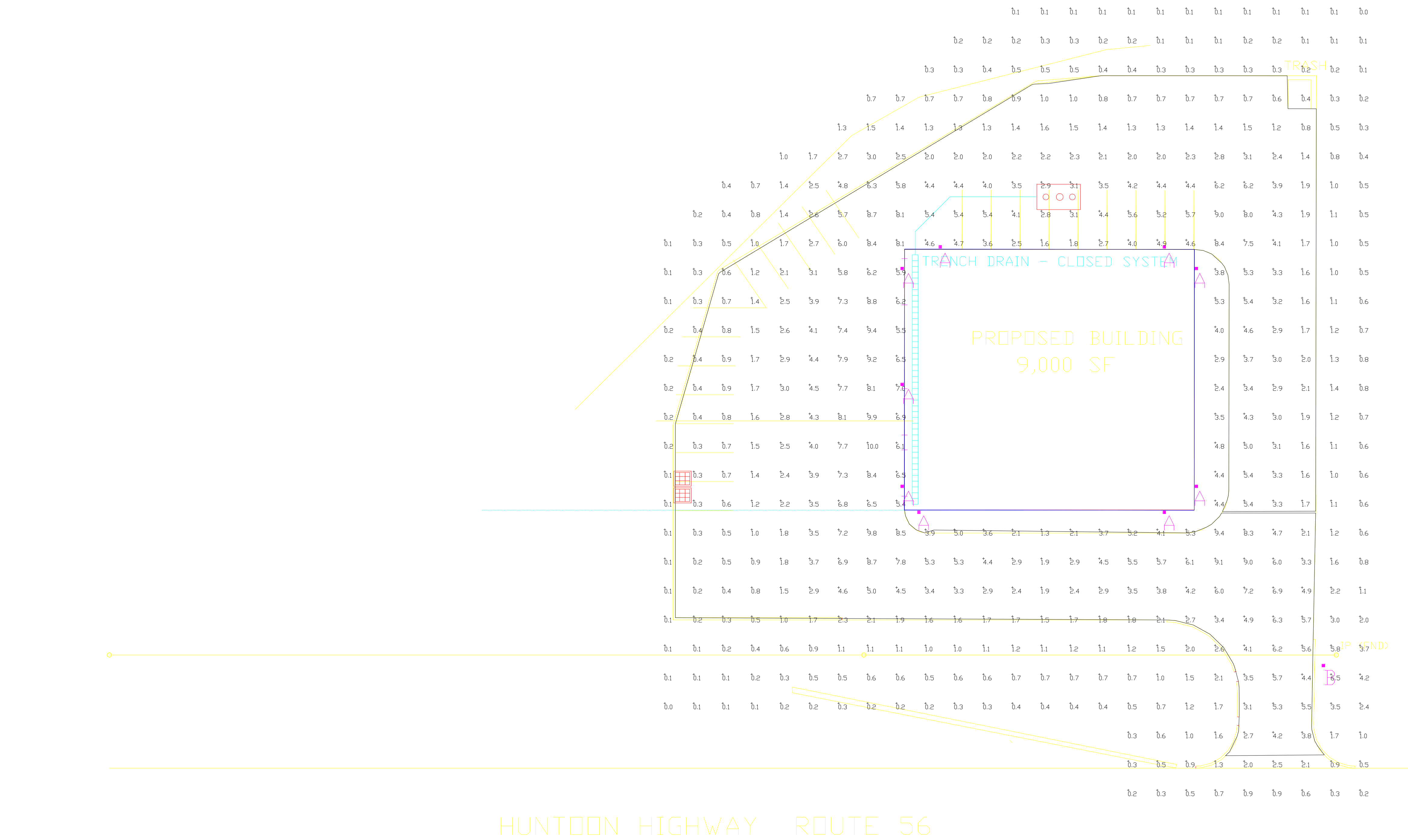
DATE: SEPT. 14, 2016
SHEET: 4 OF 5

ROBERT G. MURPHY & ASSOC., INC.
ENVIRONMENTAL CONSULTANTS
214 Worcester Street
No. Grafton, Massachusetts 01536
(508) 839-0310
Fax: (508) 839-5914

CONSTRUCTION DETAILS FOR:
KEVIN J. MENARD
93 HUNTOON HIGHWAY MAP 44 PARCEL B6.0
LEICESTER, MASSACHUSETTS

REVISED: AS PER QUINN ENGINEERING REVIEW DATED 11-14-2016 RGM 11-30-2016

DETAIL PLAN





Calculation Summary							
Label	CalcType	Units	Avg	Max	Min	Avg/Min	Max/Min
ALL POINTS AT GRADE	Illuminance	Fc	2.45	10.0	0.0	N.A.	N.A.
PARKING SUMMARY	Illuminance	Fc	3.69	10.0	0.2	18.45	50.00

Based on the information provided, all dimensions and luminaire locations shown represent recommended positions. The engineer and/or architect must determine the applicability of the layout to existing or future field conditions.

This lighting plan represents illumination levels calculated from laboratory data taken under controlled conditions in accordance with The Illuminating Engineering Society (IES) approved methods. Actual performance of any manufacturer's luminaires may vary due to changes in electrical voltage, tolerance in lamps/LED's and other variable field conditions. Calculations do not include obstructions such as buildings, curbs, landscaping, or any other architectural elements unless noted.

Luminaire Schedule								
Symbol	Qty	Label	Arrangement	Description	LLF	Lumens/Lamp	Arr. Lum. Lumens	Arr. Watts
	9	A	SINGLE	XALM-FT-LED-SS-50-18" WALL MOUNT	0.900	N.A.	18858	154.1
	1	B	SINGLE	XALM-FT-LED-SS-50-18" MH	0.900	N.A.	18858	154.1

Total Project Watts_2
Total Watts = 1541



1000 ALLIANCE RD. CHICAGO, IL 60642 USA
TEL: 773-338-4141 • FAX: 773-338-4003

LIGHTING PROPOSAL LD-135773

MENARD

BY: GEF	DATE: 11/28/2016	REV:	SHEET 1 OF 1
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SCALE: 1"=20'

0

20