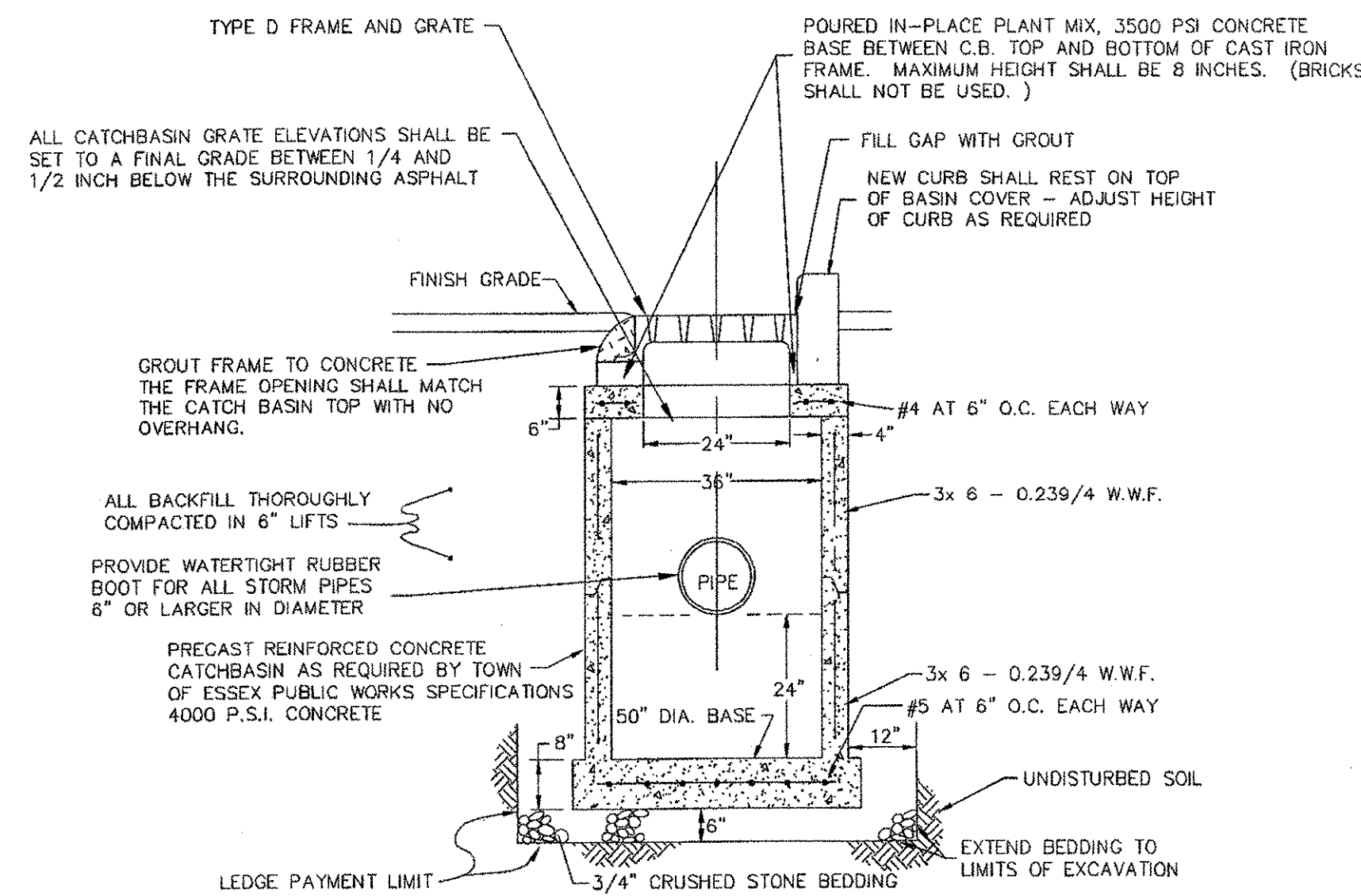


TYPICAL PRECAST STORM MANHOLE
N.T.S.



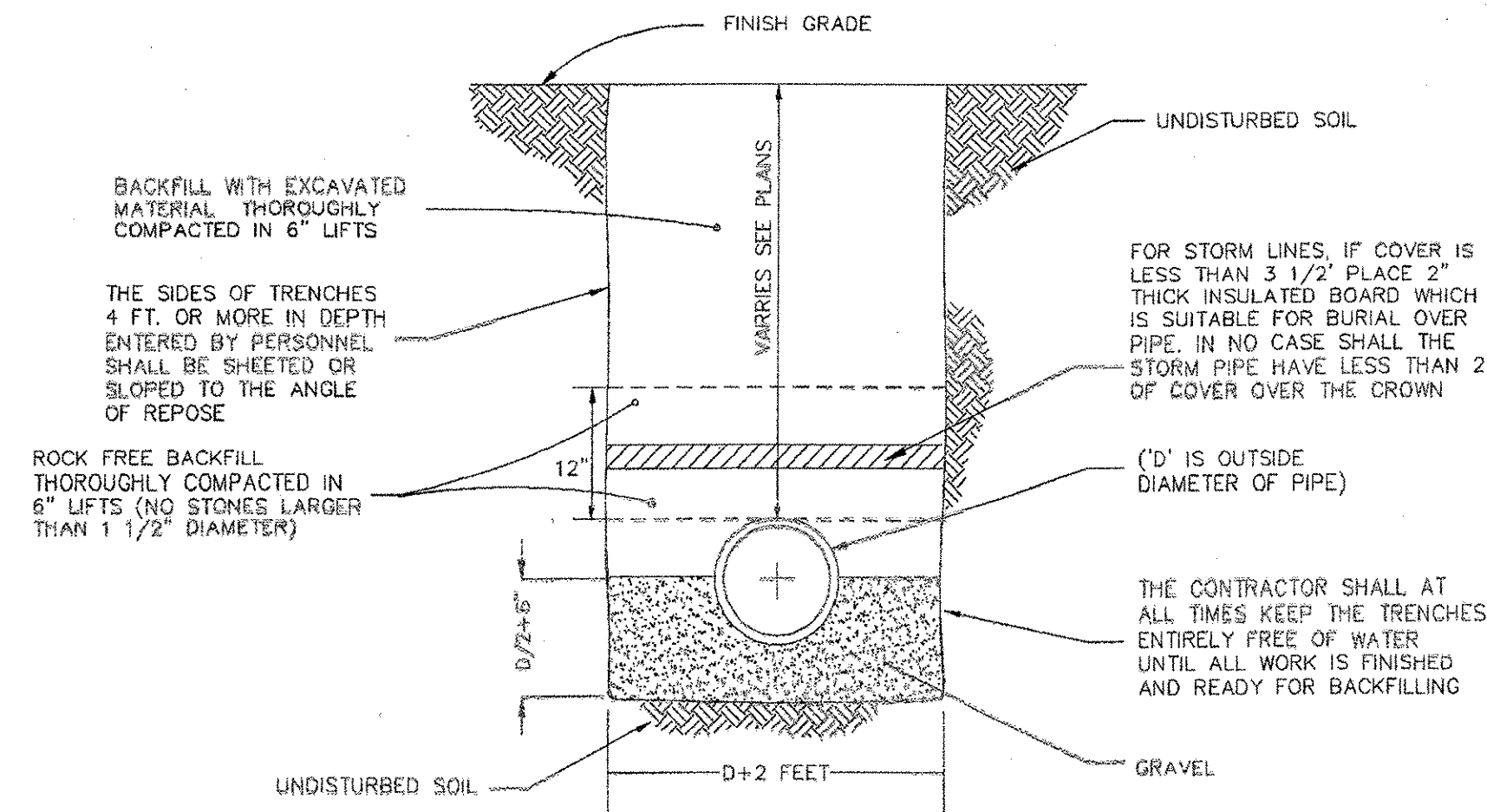
PRECAST CATCH BASIN (TYPE I)
N.T.S.

TYPE	CATCH BASIN DIAMETER	LARGEST PIPE DIA. ALLOWED	SIDEWALL THICKNESS	CONCRETE COVER THICKNESS	BASE DIAMETER
I	36"	18"	4"	6"	50"
II	48"	30"	5"	10"	72"
III	60"	36"	6"	12"	84"
IV	72"	48"	7"	18"	96"

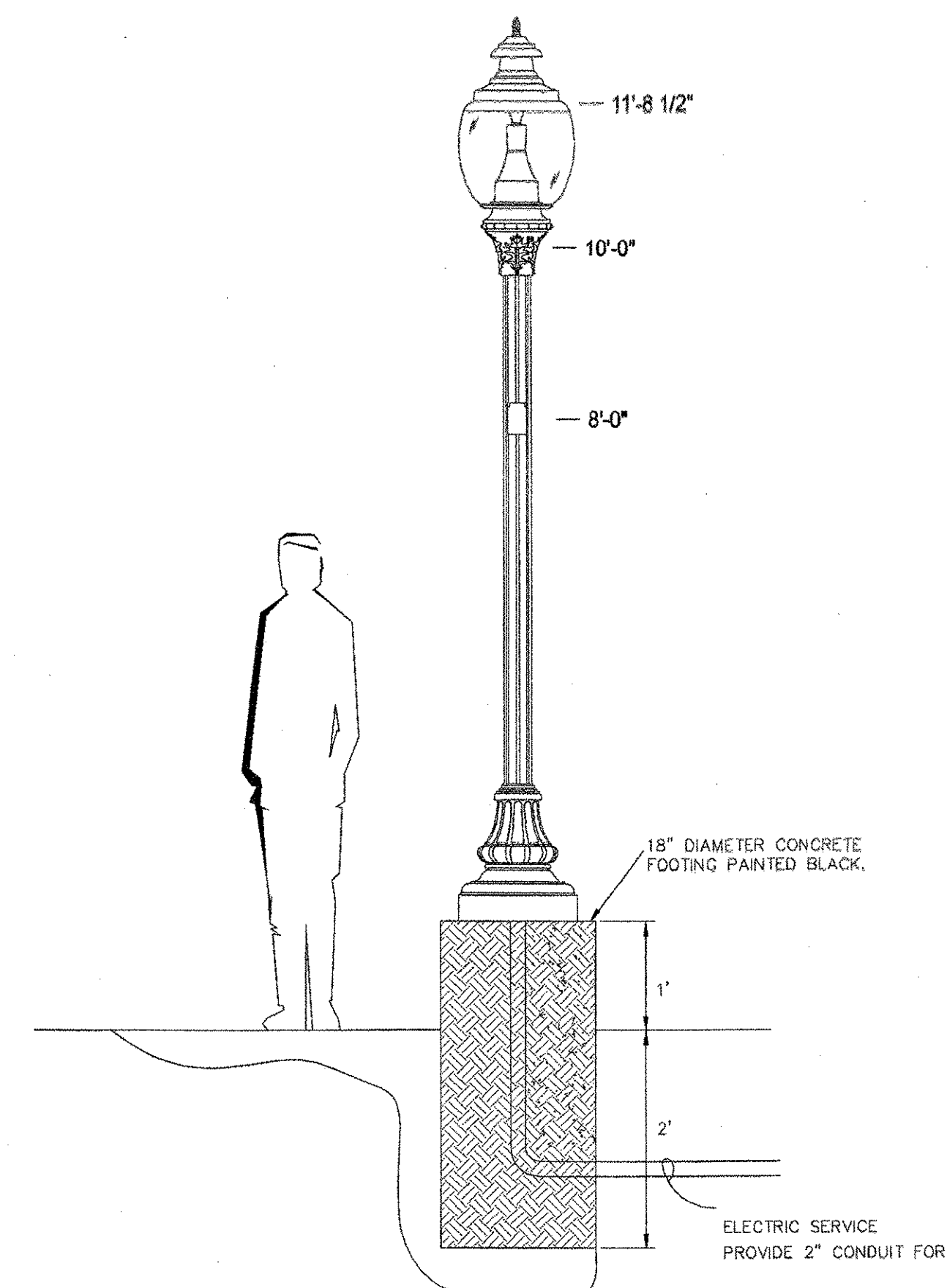
* CATCH BASIN TYPE MAY BE LARGER THAN SHOWN ON THIS TABLE WITH MULTIPLE PIPES IN ONE BASIN.

NOTE:

THE NEW CURB INLETS AT STATION 8+93 AND STATION 15+84 SHALL BE NEENAH R-3303 OR APPROVED EQUAL.



TYPICAL STORM TRENCH
N.T.S.



NOTE:

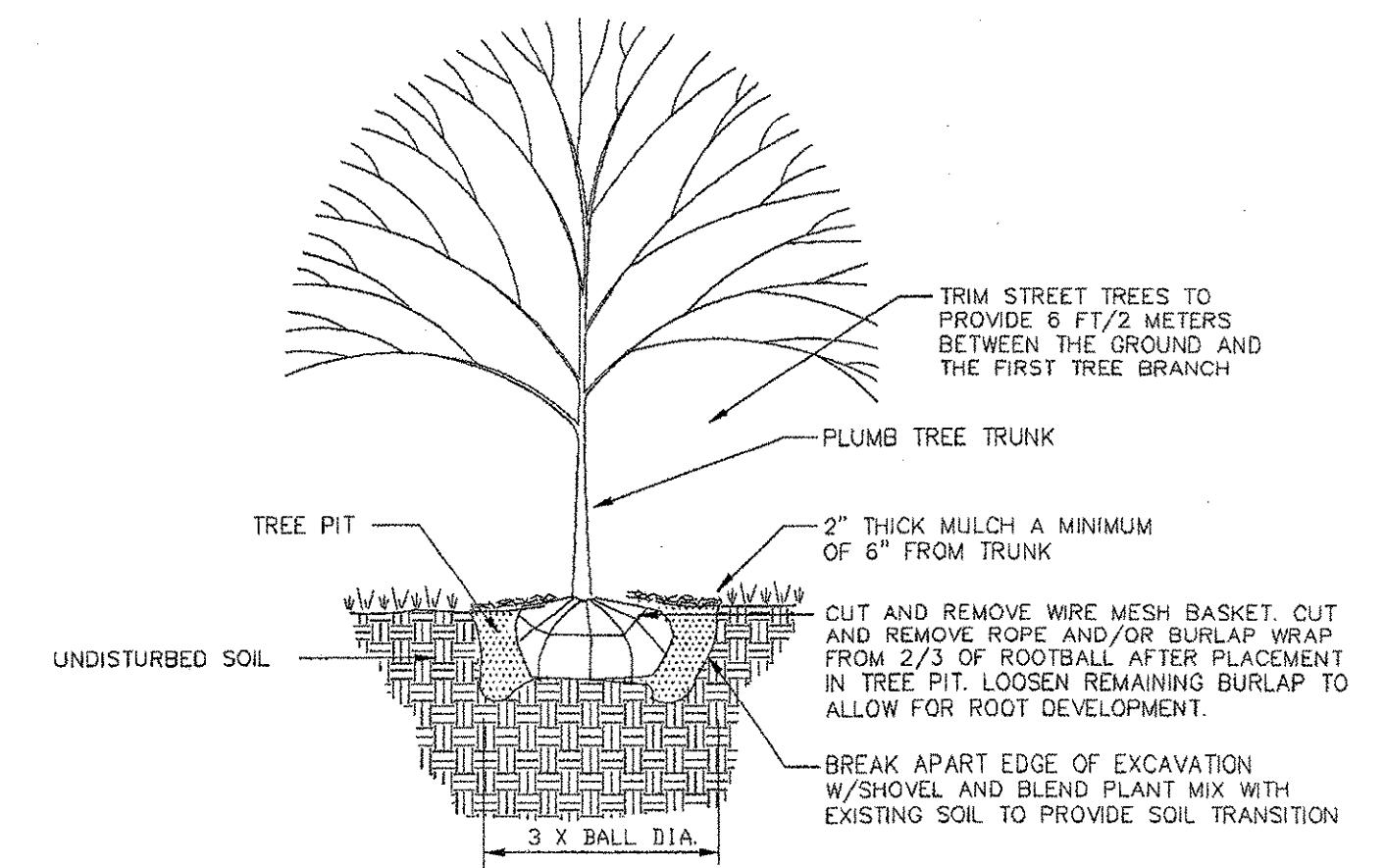
- Light Fixture to be LUMEC Traditional Globe Series, 10' Mounting Height, 100 Watt Metal Halide.
- LUMEC Fixture Order Number: L50-100MH-PC-FC-SE3-QTA/120-SFO-FN8-HS-BKTX, RA41-10-GF1-BKTX.

STREET LIGHT
N.T.S.

LAMP	LUMINAIRE	OPTICAL SYSTEM	MOUNTING & CONFIGURATION	POLE	HEIGHT	FINISH	OPTIONS
100 WATT MH	L50-PCFC	SEC	SFO-1	RA43-B	12'	TX. BLACK	FN8
100 WATT MH	L50-PCFC	SEC	SFO-1	RA43-B	12'	TX. BLACK	FN8, RCO

LIGHT STATISTICS:
MAXIMUM = 2.32
MINIMUM = 0.07
AVERAGE = 0.60
UNIFORMITY RATIO = 8.57

FN8 = DECORATIVE FINISH
RCO = REAR CUT-OFF



NOTES:

- EACH TREE MUST BE PLANTED SUCH THAT THE TRUNK FLARE IS VISIBLE AT THE TOP OF THE ROOT BALL. TREES WHERE THE TRUNK FLARE IS NOT VISIBLE SHALL BE REJECTED. DO NOT COVER THE TOP OF THE ROOT BALL WITH SOIL.
- STAKING REQUIRED ONLY IN SITUATIONS WHERE TREES WILL BE SUBJECTED TO WINDY CONDITIONS AS DETERMINED BY THE PROJECT LANDSCAPE ARCHITECT. STAKES SHALL BE REMOVED BY THE CONTRACTOR AT THE END OF THE WARRANTY PERIOD.
- TREES SHALL BE GUARANTEED FOR A PERIOD OF ONE YEAR AFTER PLANTING.
- EXAMINE ENTIRE TREE AND REMOVE ALL NURSERY TAGS, TREE WRAP, ROPE, STRING AND SURVEYOR TAPE PRIOR TO PLANTING TO PREVENT GIRDLING.
- THERE SHALL BE NO WATERING BERM INSTALLED AROUND TREES.
- PLANT MIX SHALL CONSIST OF THE FOLLOWING RATIO: 3 PARTS EXISTING SOIL, 1 PART TOPSOIL.
- TREE PIT TO BE 3 TIMES AS WIDE AS ROOT BALL.
- PRUNE ONLY DEAD OR CRUSHED ROOTS AND DEAD OR INJURED BRANCHES.

TREE PLANTING DETAIL
N.T.S.

URBAN MIX GRASS SEED		
% BY WEIGHT	LBS. LIVE SEED PER ACRE	TYPE OF SEED
37.5	45	CREeping RED FESCUE
31.25	37.5	KENTUCKY BLUEGRASS
31.25	37.5	WINTER HARDY, PERENNIAL RYE
100	120 # LIVE SEED PER ACRE	

LANDSCAPING SPECIFICATIONS

ALL DISTURBED AREAS SHALL BE STABILIZED WITH SEEDING AND MULCHING PRIOR TO SEPTEMBER 15 OF EACH YEAR. ANY DISTURBED AREAS SHALL BE IMMEDIATELY SEEDED AND MULCHED WITHIN 15 DAYS. ANY WORK PERFORMED AFTER OCTOBER 15 OF EACH YEAR SHALL BE STABILIZED WITH MULCH OR NETTING SUFFICIENT TO PREVENT EROSION AND SHALL BE IMMEDIATELY SEEDED AND REMULCHED AS SOON AS WEATHER PERMITS IN THE SPRING. ALL DISTURBED AREAS SHALL RECEIVE A MINIMUM OF 4" OF TOPSOIL AND BE SEEDED, FERTILIZED, LIMED, AND MULCHED IN ACCORDANCE WITH THE FOLLOWING.

- SEED MIXTURE SHALL BE URBAN MIX CONFORMING TO THE TABLE SHOWN ON THE PLANS, FOR SEEDING BETWEEN SEPTEMBER 1 AND NOVEMBER 1, WINTER RYE SHALL BE USED AT AN APPLICATION RATE OF 100 POUNDS PER ACRE.
- FERTILIZER SHALL BE STANDARD COMMERCIAL GRADE CONFORMING TO THE STATE FERTILIZER LAW AND TO THE STANDARDS OF THE ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS. DRY FERTILIZER, IF USED, SHALL BE APPLIED AT THE RATE OF 500 POUNDS PER ACRE. LIQUID FERTILIZER, IF USED, SHALL BE APPLIED IN A 1-2-1 RATIO WITH THE MINIMUM RATE TO INCLUDE 100 POUNDS OF NITROGEN, 200 POUNDS OF PHOSPHATE, AND 100 POUNDS OF POTASH PER ACRE.
- LIMESTONE SHALL CONFORM TO ALL STATE AND FEDERAL REGULATIONS AND TO THE STANDARDS OF THE ASSOCIATION OF OFFICIAL AGRICULTURAL CHEMISTS. THE LIMESTONE SHALL BE APPLIED AT A RATE OF TWO TONS PER ACRE OR AS DIRECTED.
- WITHIN 24 HOURS OF APPLICATION OF FERTILIZER, LIME, AND SEED, THE SURFACE SHALL BE MULCHED WITH A HAY MULCH. MULCH SHALL BE SPREAD UNIFORMLY OVER THE AREA AT A RATE OF TWO TONS PER ACRE OR AS ORDERED BY THE ENGINEER.

GENERAL STORM SPECIFICATIONS

- STORM SEWER PIPES SHALL BE OF THE SIZE AND TYPE INDICATED ON THE PLANS. PVC PIPE SHALL BE SDR 35 CONFORMING TO ASTM D-3034, ASTM-D3212, AND ASTM F-477. CORRUGATED POLYETHYLENE PIPE SHALL CONFORM TO AASHTO M294-90, TYPE S (SMOOTH LINED).

12-19-05	REVISED FOR BIDDERS	BH/DH
10-20-05	REVISED FOR CONTRACT PLANS	BH/DH

REVISIONS

THESE PLANS WITH LATEST REVISIONS SHOULD ONLY BE USED FOR THE PURPOSE SHOWN BELOW:

**STP WALK (9)
TOWN OF ESSEX
ROUTE 15 IN ESSEX CENTER, VT**

**DETAILS &
SPECIFICATIONS**

LAMOUREUX & DICKINSON
Consulting Engineers, Inc.
14 Morse Drive
Essex Junction, VT 05452
(802) 878-4450

OF SHEETS
proj. no. 02-132
survey L&D/OTHERS
design DLH/LAL
drawn DB
checked LAL/DLH
date 01-24-03
scale
AS NOTED
sht. no. 4
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