

LOCUS MAP
1"=1000'

ZONING DISTRICT - BUSINESS / LIGHT INDUSTRIAL

LOT AREA 40,000 SF
FRONTAGE 200 FT
REQUIRED SETBACKS
FRONT 50 FT
SIDE 25 FT
REAR 25 FT
LOT COVERAGE 50% MAX

OWNER OF RECORD

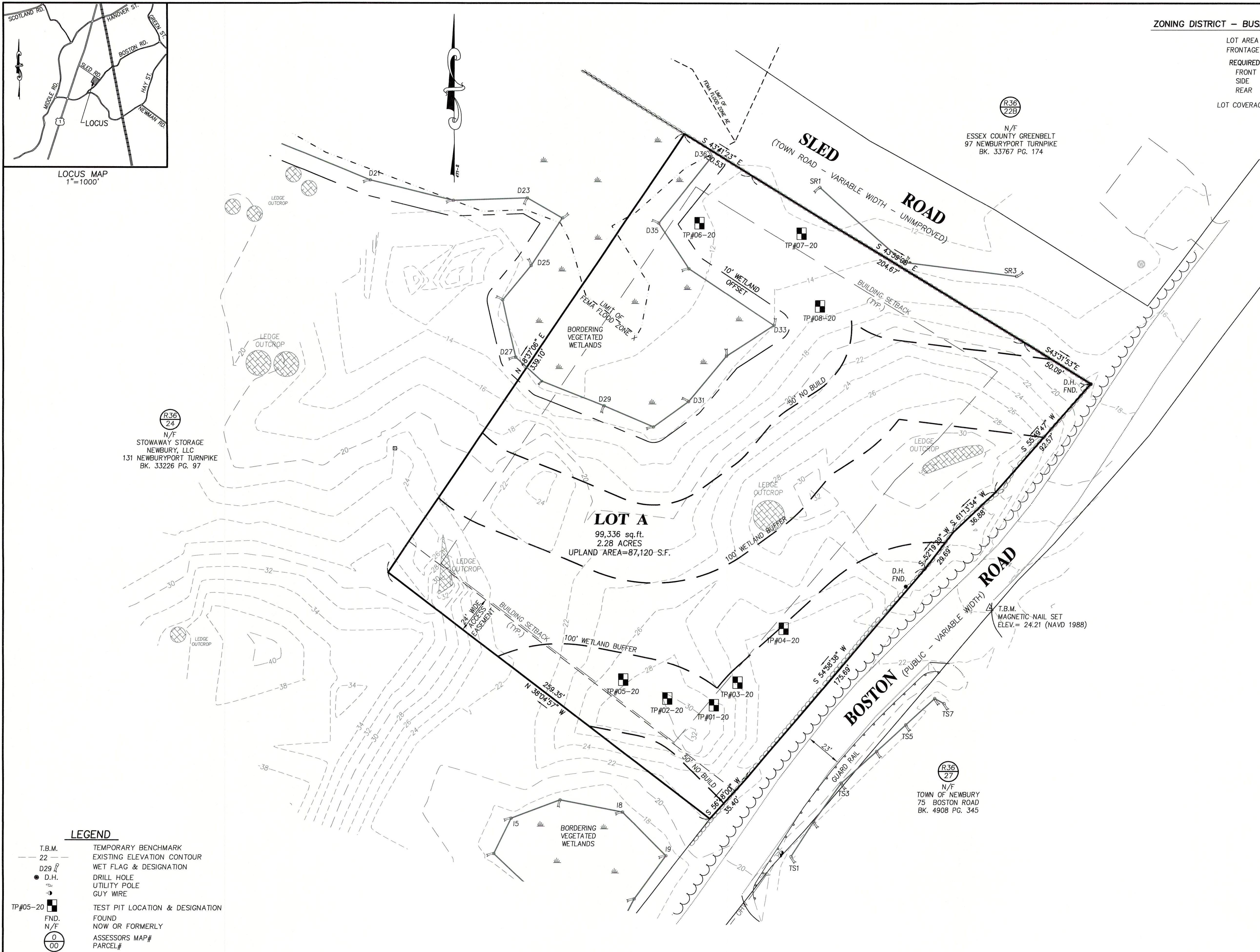
SLED ROAD, LLC
E.S.D.R.D. BK. 37857 PG. 348

BASIS OF BEARING

PLAN BOOK 433 PLAN 69

PLAN REFERENCES

PLAN BOOK 471 PLAN 2



LEGEND

- T.B.M. TEMPORARY BENCHMARK
22 EXISTING ELEVATION CONTOUR
D29 WET FLAG & DESIGNATION
D.H. DRILL HOLE
UTILITY POLE
GUY WIRE
TP#05-20 TEST PIT LOCATION & DESIGNATION
FND. FOUND
N/F NOW OR FORMERLY
ASSESSORS MAP#
PARCEL#

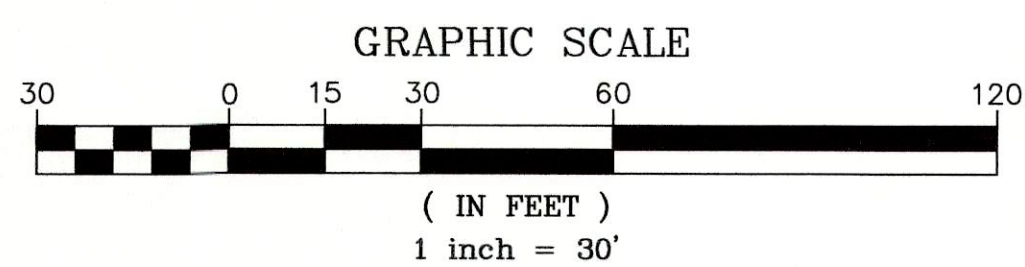
NOTES:

THIS PLAN DOES NOT SHOW ANY UNRECORDED OR UNWRITTEN EASEMENTS WHICH MAY EXIST. A REASONABLE AND DILIGENT ATTEMPT HAS BEEN MADE TO OBSERVE ANY APPARENT, VISIBLE USES OF THE LAND; HOWEVER, THIS DOES NOT CONSTITUTE A GUARANTEE THAT NO SUCH EASEMENTS EXIST.

RECORD UTILITY INFORMATION HAS NOT BEEN OBTAINED FOR LOCUS. VISIBLE SURFACE STRUCTURES HAVE BEEN LOCATED AND ARE SHOWN HEREON HOWEVER, SUBSURFACE UTILITY LINES ARE NOT SHOWN.

THE CERTIFICATIONS SHOWN HEREON ARE NOT INTENDED AS CERTIFICATION TO TITLE OR OWNERSHIP OF PROPERTY SHOWN. OWNERS OF ADJOINING PROPERTIES ARE ACCORDING TO CURRENT TOWN OF NEWBURY ASSESSORS RECORDS.

WETLAND DELINEATION BY WEST ENVIRONMENTAL INC. AND FIELD LOCATED BY MILLENNIUM ENGINEERING, INC.



PREPARED FOR
K & R CONSTRUCTION COMPANY LLC
P.O. BOX 163
BOXFORD, MA 01921

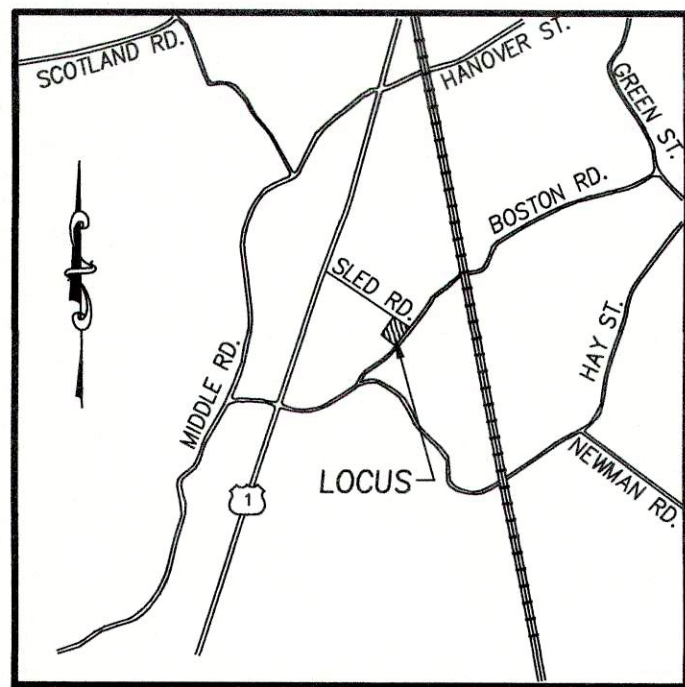
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM. ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

PLAN OF LAND
IN
NEWBURY, MA

SHOWING
EXISTING CONDITIONS
AT
84 BOSTON ROAD
(MAP R-36 LOT 23A)

EXISTING
CONDITIONS

SHEET: C-1

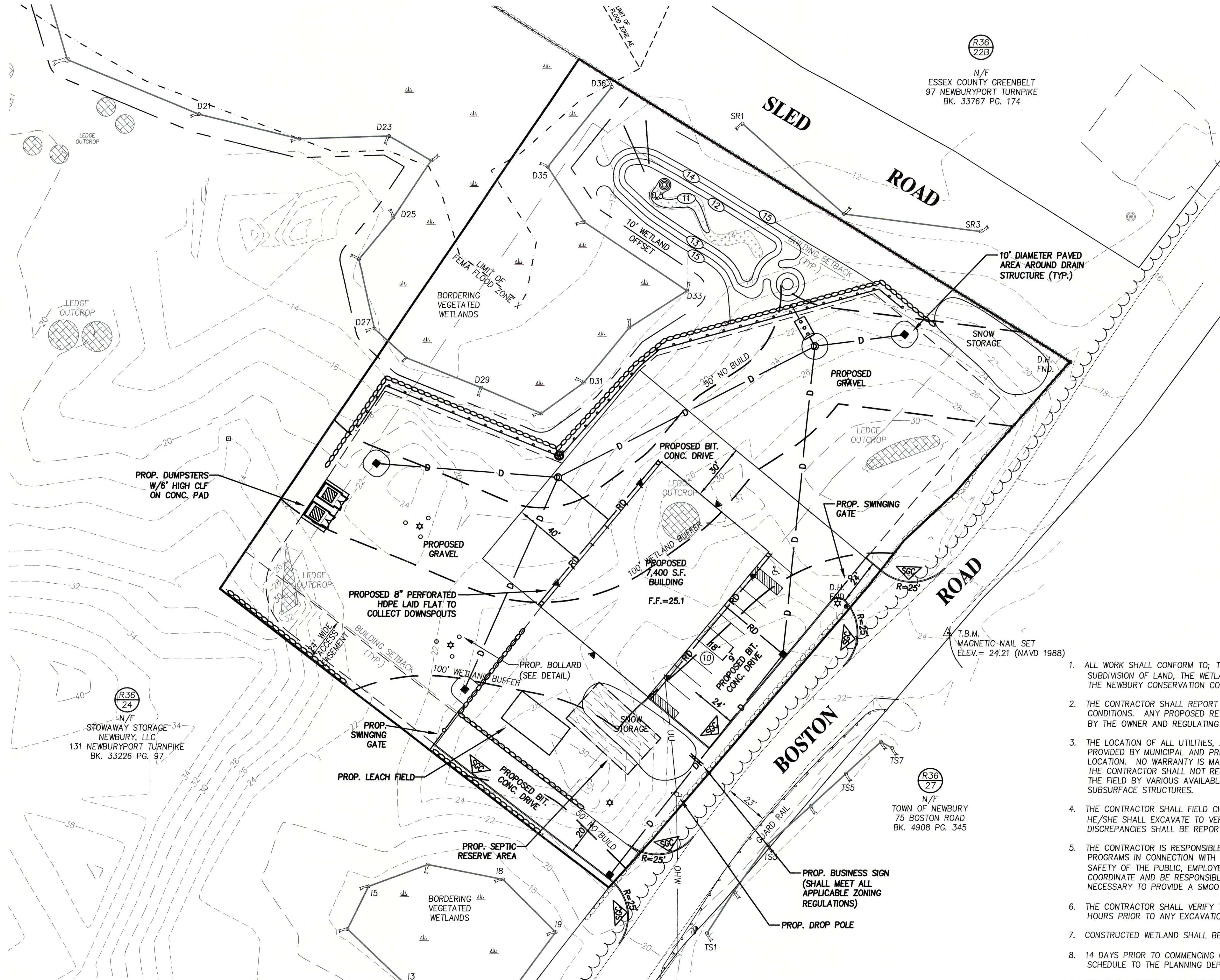


LOCUS MAP
1"=1000'



ZONING DISTRICT – BUSINESS / LIGHT INDUSTRIAL

LOT AREA	40,000 SF
FRONTAGE	200 FT
REQUIRED SETBACKS	
FRONT	50 FT
SIDE	25 FT
REAR	25 FT
LOT COVERAGE	50% MAX



GENERAL NOTES

- ALL WORK SHALL CONFORM TO; THE NEWBURY PLANNING BOARD RULES AND REGULATIONS GOVERNING THE SUBDIVISION OF LAND, THE WETLANDS PROTECTION ACT (310 CMR 10.00), THE ORDER OF CONDITIONS ISSUED BY THE NEWBURY CONSERVATION COMMISSION, AND THESE PLANS.
- THE CONTRACTOR SHALL REPORT TO THE OWNER AND ENGINEER ANY SIGNIFICANT VARIATIONS IN EXISTING SITE CONDITIONS. ANY PROPOSED REVISIONS TO THE WORK SHALL NOT BE UNDERTAKEN UNTIL REVIEWED AND APPROVED BY THE OWNER AND REGULATING MUNICIPAL AND/OR STATE AGENCIES.
- THE LOCATION OF ALL UTILITIES, AS SHOWN ON THESE PLANS, ARE BASED UPON PLANS AND RECORD INFORMATION PROVIDED BY MUNICIPAL AND PRIVATE UTILITY COMPANIES AND ARE CONSIDERED APPROXIMATE BOTH AS TO SIZE AND LOCATION. NO WARRANTY IS MADE TO THE ACCURACY OF THESE LOCATIONS OR THAT ALL UTILITIES ARE SHOWN. THE CONTRACTOR SHALL NOT RELY ON THESE PLANS FOR SUCH INFORMATION AND SHALL MAKE EXAMINATIONS IN THE FIELD BY VARIOUS AVAILABLE RECORDS, UTILITY COMPANIES AND INDIVIDUALS, AS TO THE LOCATION OF ALL SUBSURFACE STRUCTURES.
- THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS BEFORE PROCEEDING WITH THE NEW WORK. HE/SHE SHALL EXCAVATE TO VERIFY PERTINENT DRAINAGE INVERTS AND POTENTIAL UTILITY CONFLICTS. ANY DISCREPANCIES SHALL BE REPORTED TO THE OWNER IMMEDIATELY.
- THE CONTRACTOR IS RESPONSIBLE FOR INITIATING, MAINTAINING, AND SUPERVISING ALL SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS FOR THE SAFETY OF THE PUBLIC, EMPLOYEES, AND ALL OTHER PERSONS ASSOCIATED WITH THE PROJECT. HE/SHE SHALL COORDINATE AND BE RESPONSIBLE FOR ALL SAFETY SIGNING, BARRIERS AND TEMPORARY PAVEMENT MARKINGS NECESSARY TO PROVIDE A SMOOTH AND PROPER TRANSITION FOR TRAFFIC FLOW.
- THE CONTRACTOR SHALL VERIFY THE LOCATION OF EXISTING UTILITIES BY CONTACTING "DIG-SAFE" AT LEAST 72 HOURS PRIOR TO ANY EXCAVATION. DIG-SAFE TELEPHONE NUMBER: 1-888-344-7233.
- CONSTRUCTED WETLAND SHALL BE INSTALLED AND FUNCTIONING PRIOR TO BINDER INSTALLATION.
- 14 DAYS PRIOR TO COMMENCING CONSTRUCTION, THE OWNER/DEVELOPER SHALL PRESENT A CONSTRUCTION SCHEDULE TO THE PLANNING DEPARTMENT.
- TWO HARD COPIES OF AS-BUILT DRAWINGS SHALL BE SUBMITTED TO THE PLANNING DEPARTMENT UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL INCLUDE ALL LANDBASE AND UTILITIES INFORMATION.
- ONSITE BURIAL OF STUMPS OR ANY OTHER DEBRIS IS PROHIBITED.
- A PORTION OF THE NORTHWEST CORNER OF THE PROPERTY ALONG SLED ROAD (OUTSIDE THE AREA OF WORK) LIES WITHIN ZONE AE ACCORDING TO F.I.R.M. COMMUNITY PANEL NUMBER 25009C 0119G.
- ELEVATIONS ARE BASED UPON 1988 NAV DATUM.

LEGEND

	EXIST. CONTOUR
	PROP. GUARDRAIL
	PROP. RETAINING WALL
	PROP. DRAIN LINE
	PROP. PERFORATED ROOF DRAIN
	PROP. UNDERGROUND ELECTRIC

	PROP. CATCH BASIN
	EXIST. UTILITY POLE
	PROP. BUILDING LIGHT
	PROP. POLE LIGHT
	EXIST. CATCH BASIN
	WETLANDS
	PROP. SLOPED GRAN. CURB
	PROP. WELL

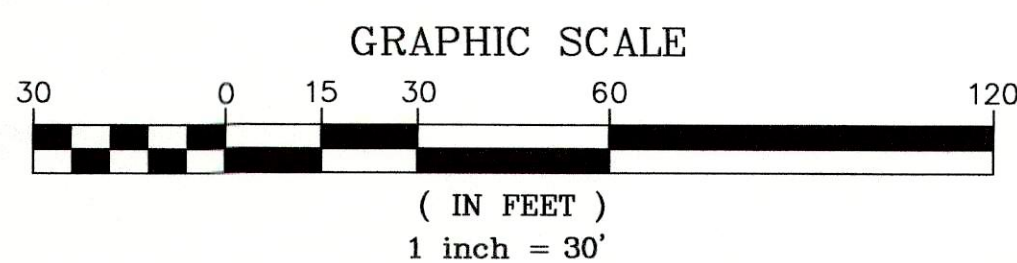
WAIVERS

SECTION
A.4.b.8

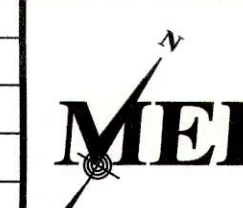
REGULATION
TREES OVER 8" IN CALIPER

WAIVER REQUESTED

PROPOSED TREELINE IS SHOWN IN LIEU OF ALL 8" CALIPER TREES



PREPARED FOR
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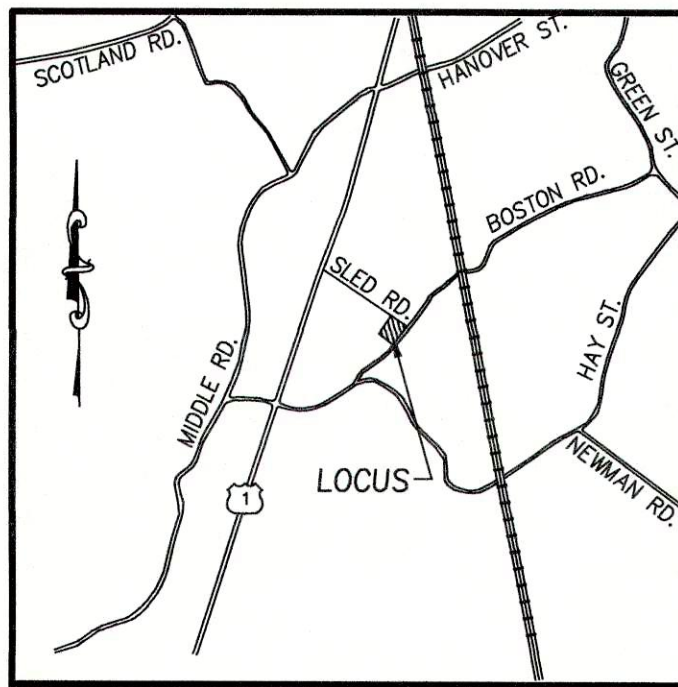
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

2	12/1/20	ADDRESS REVIEWER'S COMMENTS	C.M.Y.
1	9/30/20	ADDRESS TOWN COMMENTS	C.M.Y.
NO.	DATE	DESCRIPTION	BY
SCALE: 1"=30'		DESIGN BY: C.M.Y.	PROJECT: M193680
DATE: JUL. 20, 2020		CHKD. BY: E.W.B.	

PLAN OF LAND
IN
NEWBURY, MA
SHOWING
PROPOSED CONDITIONS
AT
84 BOSTON ROAD
(MAP R-36 LOT 23A)

SITE PLAN

SHEET: C-2



LOCUS MAP
1"=1000'

INVERT TABLE

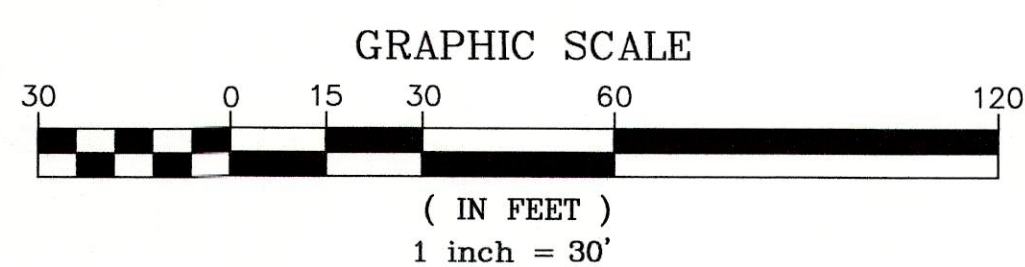
CB1 RIM=21.0 INV. OUT=17.6	CB2 R=24.0 INV. IN=20.6 (ROOF) INV. IN=16.1 (CB1) INV. OUT=16.0	CB3 RIM=22.0 INV. OUT=18.6	CB4 RIM=22.0 INV. OUT=18.6
CB5 RIM=20.5 INV. OUT=17.1	DMH1 RIM=24.3 INV. IN=20.9 (ROOF) INV. IN=17.7 (CB4) INV. IN=17.4 (CB3) INV. OUT=17.3	DMH2 RIM=21.7 INV. IN=16.6 (CB5) INV. IN=15.8 (DMH1) INV. IN=14.4 (CB2) INV. OUT=14.3	



LEGEND

	EXIST. CONTOUR
	PROP. CONTOUR
	PROP. TREELINE
	PROP. RETAINING WALL
	PROP. SILT FENCE

	PROP. CATCH BASIN		EXIST. CATCH BASIN
	PROP. SPOT GRADE		EXIST. UTILITY POLE
	PROP. OUTLET STRUCTURE		WETLANDS
			EXIST. TEST PIT



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SCALE: 1"=30'	DES. BY: C.M.Y.	PROJECT: M193680
DATE: JUL. 20, 2020	CHKD. BY: E.W.B.	

PLAN OF LAND
IN
NEWBURY, MA
SHOWING
PROPOSED CONDITIONS
AT
84 BOSTON ROAD
(MAP R-36 LOT 23A)

**GRADING
PLAN**

SHEET: C-3

RESOURCE AREA IMPACTS

TOTAL BUFFER ZONE IMPACT	= 59,000 S.F.
0' - 50' BUFFER ZONE	= 23,500 S.F.
50' - 100' BUFFER ZONE	= 35,500 S.F.

BUFFER ZONE PLANTING LIST

SPECIES	NUMBER	SIZE
NORTHERN ARROWWOOD	12	3'
SILKY DOGWOOD	12	3'
SWEET PEPPERBUSH	8	3'

PLANT LEGEND

DECIDUOUS TREES	SIZE	NOTES	QTY
Quercus palustris Pin Oak	2.0" - 2.5" Cal.	Zone: 2 Salt: Medium	1
Acer rubrum Red maple	1.5" - 2.0" Cal.	Zone: 3 Salt: Tolerant	2
ORNAMENTAL TREES	SIZE	NOTES	QTY
Stewartia	1" - 1.5" Cal.	Zone: 4 Salt: Tolerant	1
Cornus Kousa Kousa Dogwood	1" - 1.5" Cal	Zone: 5 Salt: Medium	3
River Birch Single Stem	1" - 1.5" Cal	Zone: 5 Salt: Medium	1



Diagram illustrating the cross-section of a standard guardrail assembly, showing the following components and dimensions:

- STANDARD MASSDOT GUARD RAIL**: The top rail of the assembly.
- GUARD RAIL POST**: The vertical post supporting the rail.
- PAVEMENT/GRAVEL**: The surface layer adjacent to the guardrail.
- SLOPE 2% MIN.**: The minimum slope of the guardrail face.
- 3.3' MINIMUM**: The minimum width of the guardrail face.
- 24" TOP BLOCK**: The top layer of the guardrail face.
- 24" DEEP UNIT**: The middle layer of the guardrail face.
- 3/4" CRUSHED STONE UNIT CORE FILL**: The bottom layer of the guardrail face.
- 24 T**: The top layer of the core fill.
- 24 B**: The bottom layer of the core fill.
- 5' (MIN.)**: The minimum height of the guardrail face.

NOTES:

1. PLACE SONOTUBES AT GUARD RAIL POST LOCATIONS. CUT GEOGRID AROUND SONOTUBES.
2. GROUT GUARD RAIL POST INTO SONOTUBES.
3. PRIOR TO INSTALLATION CONTRACTOR SHALL PROVIDE A STRUCTURAL DESIGN OF THE WALL WHEN GREATER THAN 4' IN HEIGHT. DESIGN SHALL BE STAMPED AND SIGNED BY A STRUCTURAL ENGINEER CERTIFIED IN MASSACHUSETTS.

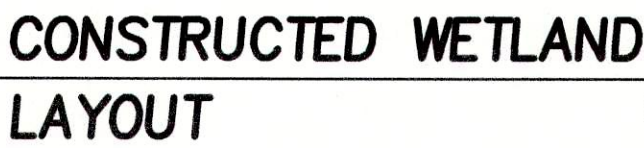
GRAVITY RETAINING WALL/ GUARDRAIL DETAIL

N.T.S.

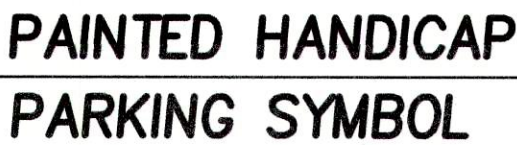


N.T.S.

1. WETLAND BERMS SHALL BE CONSTRUCTED OF FILL MATERIAL FREE OF ROOTS, STUMPS, WOOD, RUBBISH, STONES GREATER THAN 6", OR OTHER OBJECTIONABLE MATERIALS. FILL MATERIAL FOR THE CENTER OF THE BERM SHALL CONFORM TO UNIFIED SOIL CLASSIFICATION GC, SC, CH, OR CL AND HAVE AT LEAST 30% PASSING THE #200 SIEVE. MATERIALS USED IN THE OUTER SHELL OF THE BERMS SHALL BE CAPABLE OF SUPPORTING THE VEGETATION SPECIFIED ON THE PLANS.
2. FILL MATERIALS SHALL BE PLACED IN MAXIMUM 8-INCH LIFTS AND COMPACTED WITH A MINIMUM REQUIRED DENSITY OF NOT LESS THAN 95% OF MAXIMUM DRY DENSITY.
3. PRIOR TO FILL MATERIAL INSTALLATION, ALL TOPSOIL, SUBSOIL, AND UNSUITABLE MATERIAL (I.E. LEDGE) SHALL BE REMOVED AND REPLACED WITH SUITABLE MATERIAL.
4. EROSION CONTROL MATTING SHALL BE INSTALLED ON ALL OUTSIDE SLOPES OF STORMWATER BASINS. MATTING SHALL BE A WOVEN JUTE MESH MANUFACTURED BY MACCAFERRI COMPANY, OR APPROVED EQUAL.
5. ALL PIPING WITHIN CONSTRUCTED WETLAND BERMS SHALL INCLUDE ANTI-SEEPAGE COLLARS



HORIZ. SCALE: 1"=20'



N.T.S.



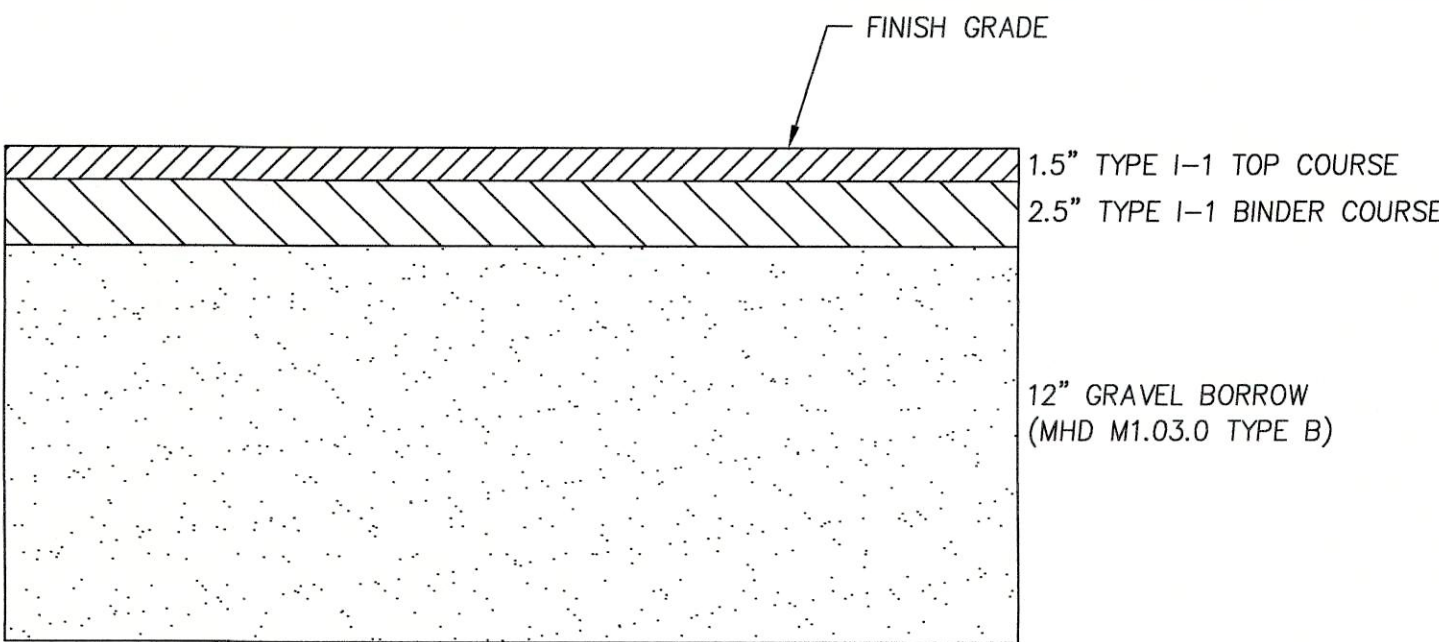
N.T.S.



N.T.S.



N.T.S.



PAVEMENT DETAIL

N.T.S.

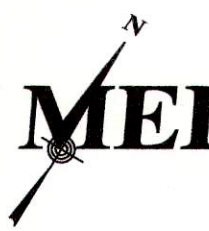
PAVEMENT NOTES

- 1.) ALL STUMPS, ROCKS AND LEDGE WITHIN THE LIMITS OF THE PROPOSED PAVED WAY SHALL BE REMOVED. ALL LEDGE SHALL BE REMOVED TO A MINIMUM DEPTH OF 2' BELOW FINISHED PAVEMENT GRADE.
- 2.) PAVEMENT SHALL NOT BE CONSTRUCTED DURING FREEZING WEATHER OR ON WET OR FROZEN SUBGRADE.
- 3.) GRADING AND ROLLING SHALL BE REQUIRED TO PROVIDE A SMOOTH, EVEN, AND UNIFORM COMPACTED BASE WHICH IS COMPACTED TO A MINIMUM DRY DENSITY OF 95 PERCENT.
- 4.) ALL UNSUITABLE MATERIAL SHALL BE EXCAVATED AND REPLACED WITH SATISFACTORY MATERIAL AND BROUGHT UP TO GRADE WITH GRADE BORROW CONTAINING NO STONES GREATER THAN 6" DIAMETER.
- 5.) AT ALL TIMES DURING CONSTRUCTION, THE SUB-GRADE AND ALL DITCHES SHALL BE CONSTRUCTED AND MAINTAINED SO THAT THE TRACK WILL EFFECTIVELY BE DRAINED.
- 6.) THE CONTRACTOR SHALL REFER TO THE NEWBURY PLANNING BOARD RULES AND REGULATIONS GOVERNING THE SUBDIVISION OF LAND, ARTICLES I - VIII.

PREPARED FOR

K & R CONSTRUCTION COMPANY LLC
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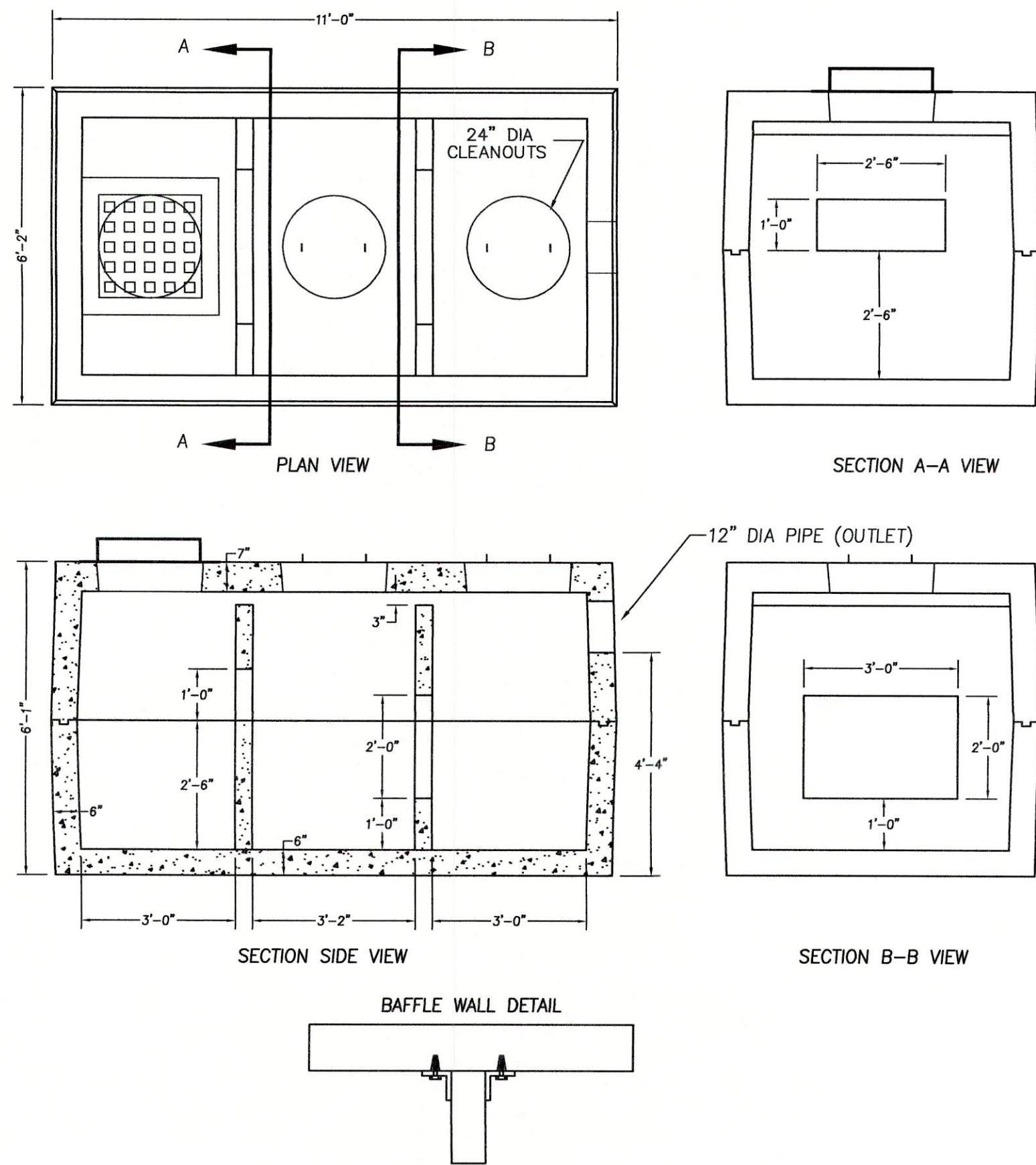
PLAN OF LAND IN NEWBURY, MA

SHOWING
PROPOSED SITE IMPROVEMENTS

84 BOSTON ROAD
(MAP R-36 LOT 23A)

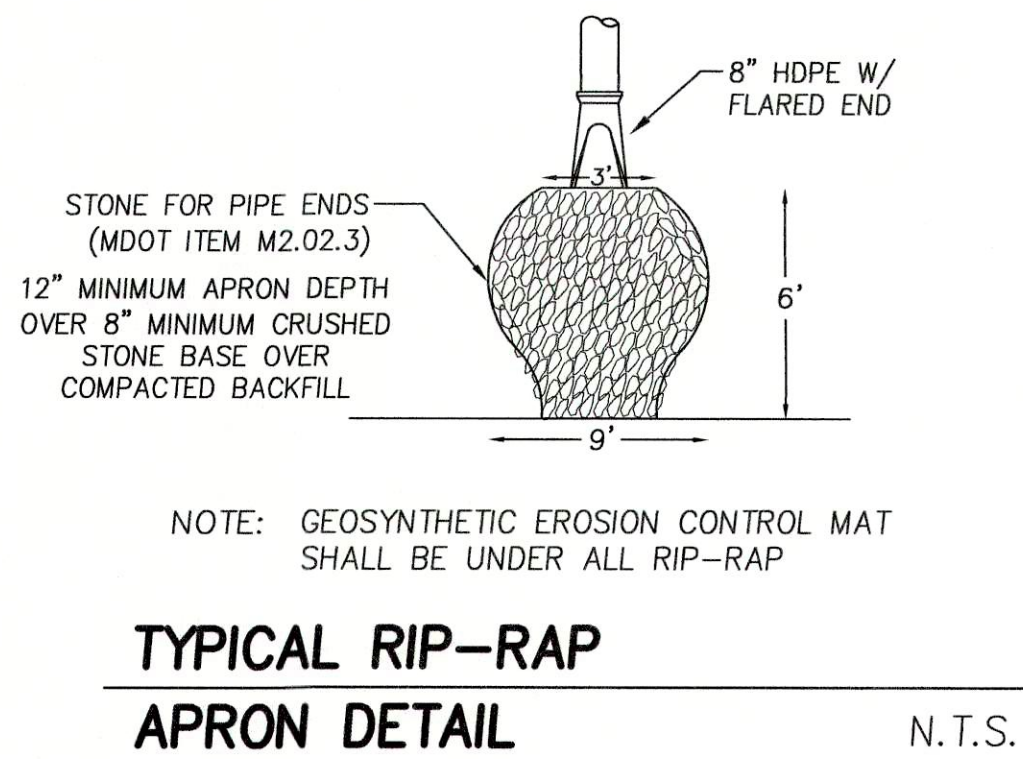
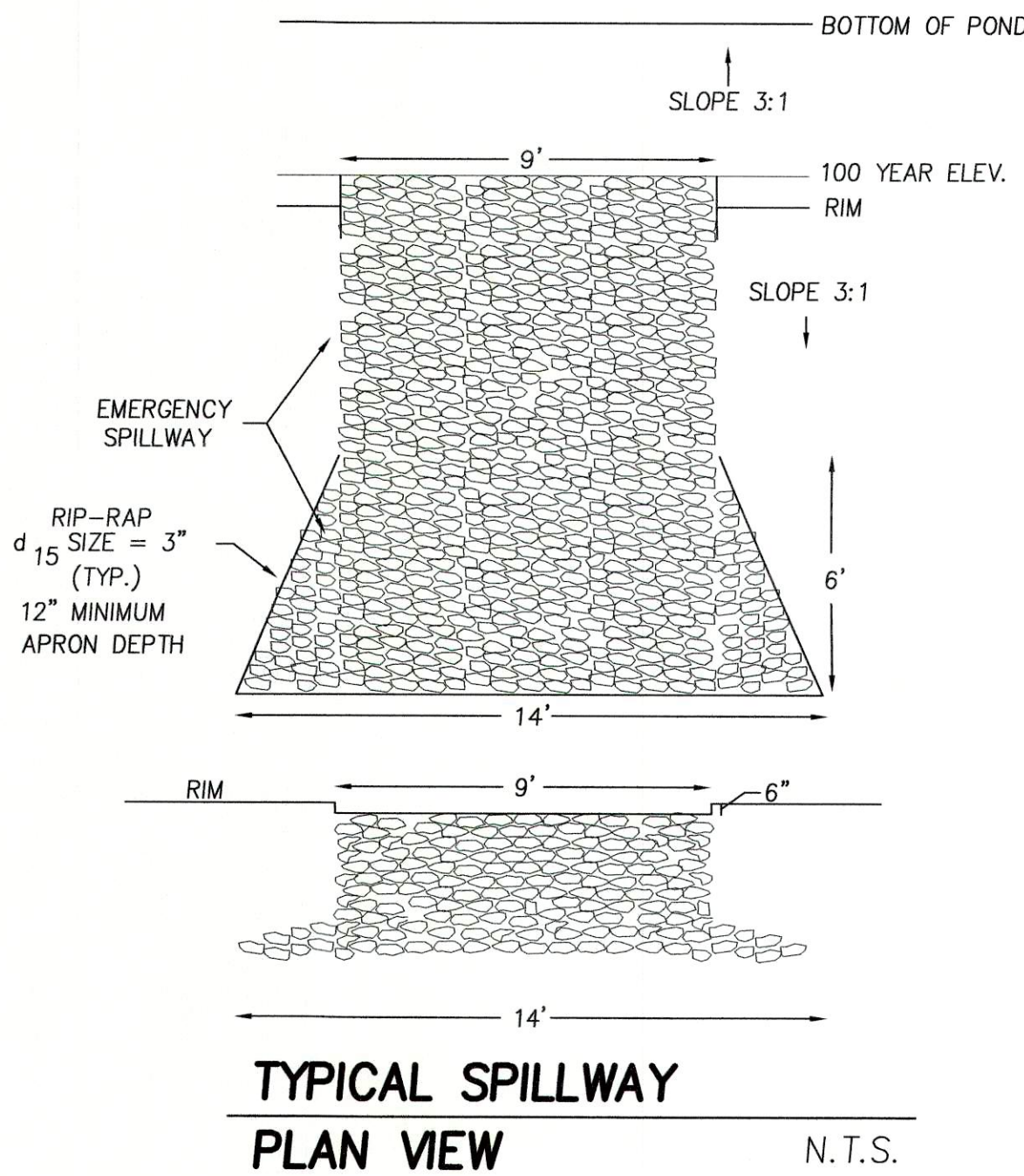
SITE/ DRAINAGE DETAILS

SHEET: C-4



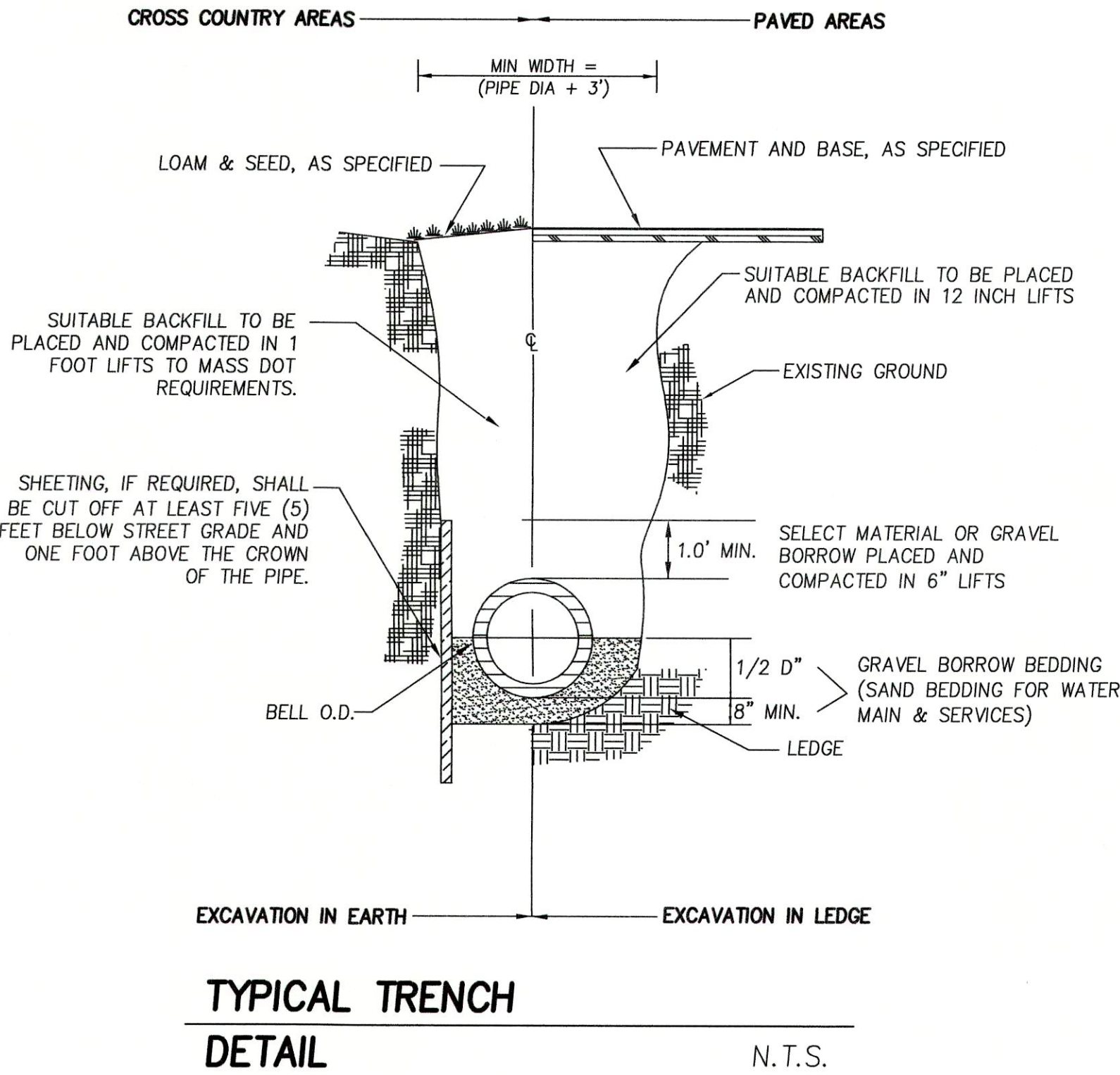
1,500 GALLON
OIL/WATER SEPARATOR

N.T.S.



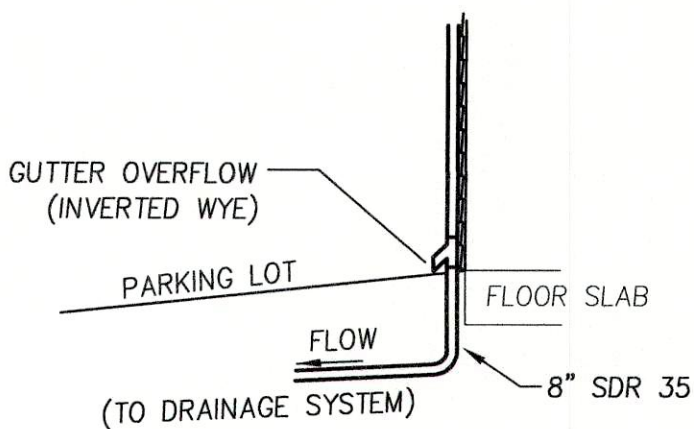
TYPICAL RIP-RAP
APRON DETAIL

N.T.S.



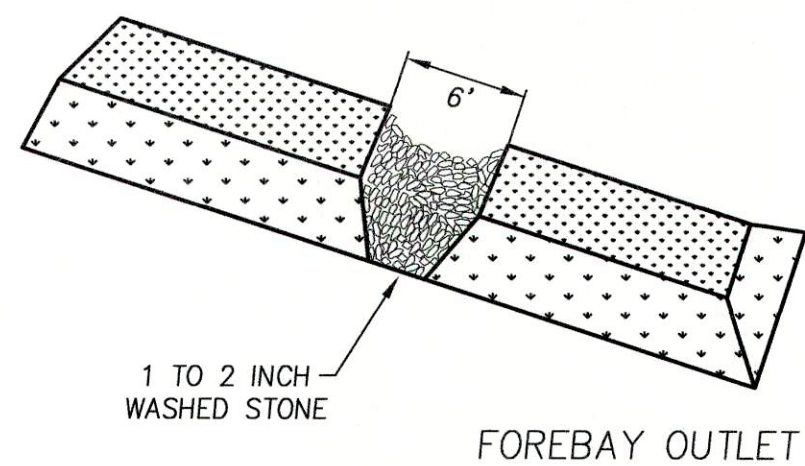
TYPICAL TRENCH
DETAIL

N.T.S.

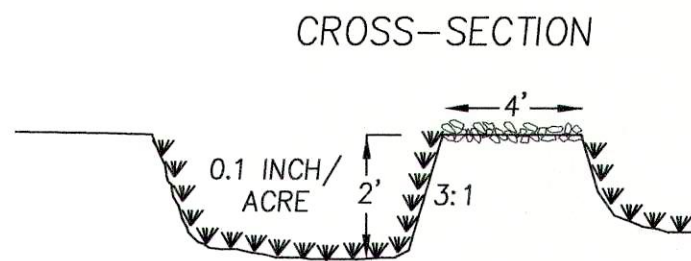


GUTTER DOWN
SPOUT DETAIL

N.T.S.

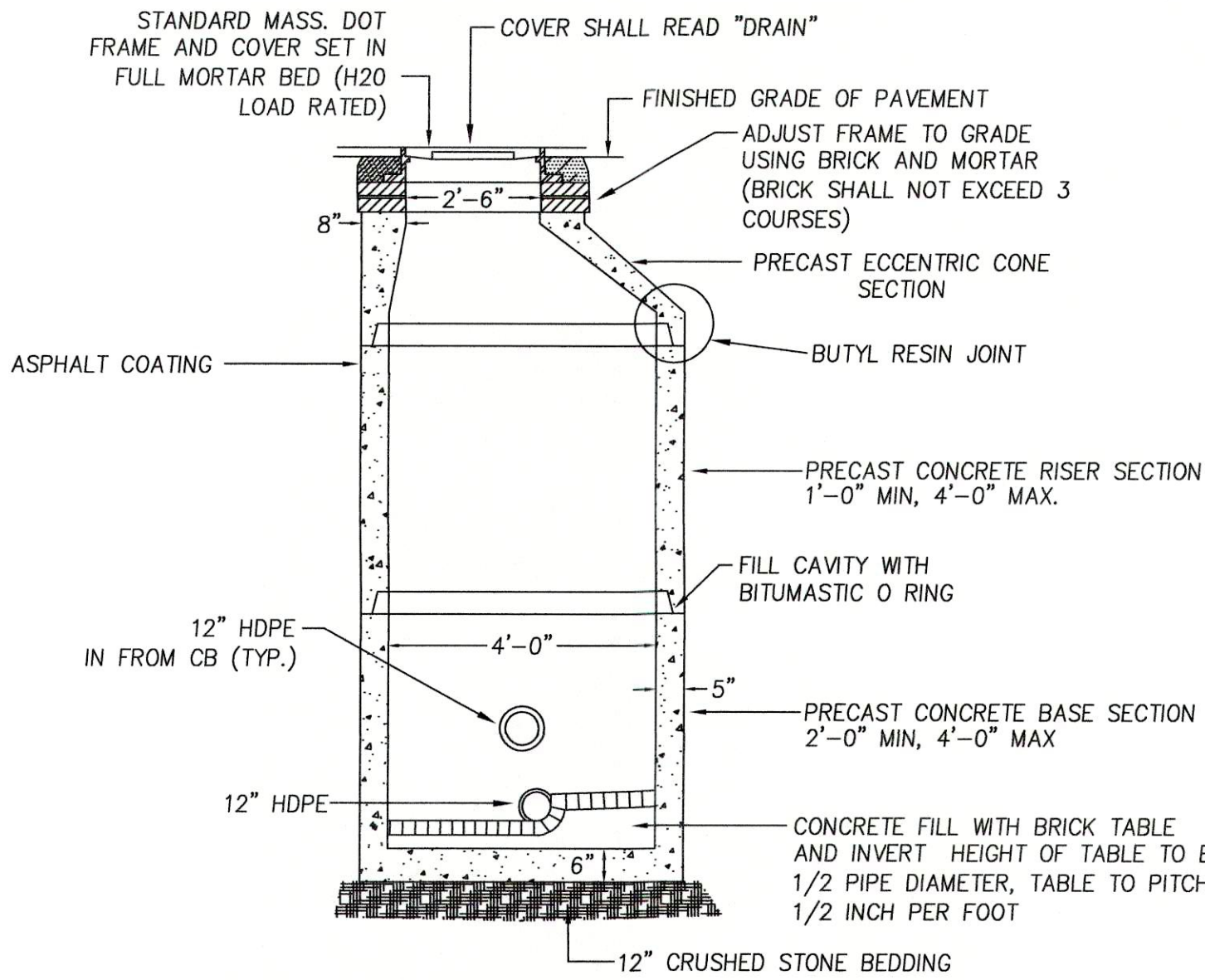


VOLUME OF SEDIMENT FOREBAY					
	DRAINAGE AREA (ACRES)	VOLUME (CU. YD)	VOLUME (CU. FT)	DIMENSIONS (L x W x H)	OUTLET LENGTH
FOREBAY #1	1.26	17.0	459	16'x16'x2.0'	6.0'



SEDIMENT FOREBAY
DETAIL

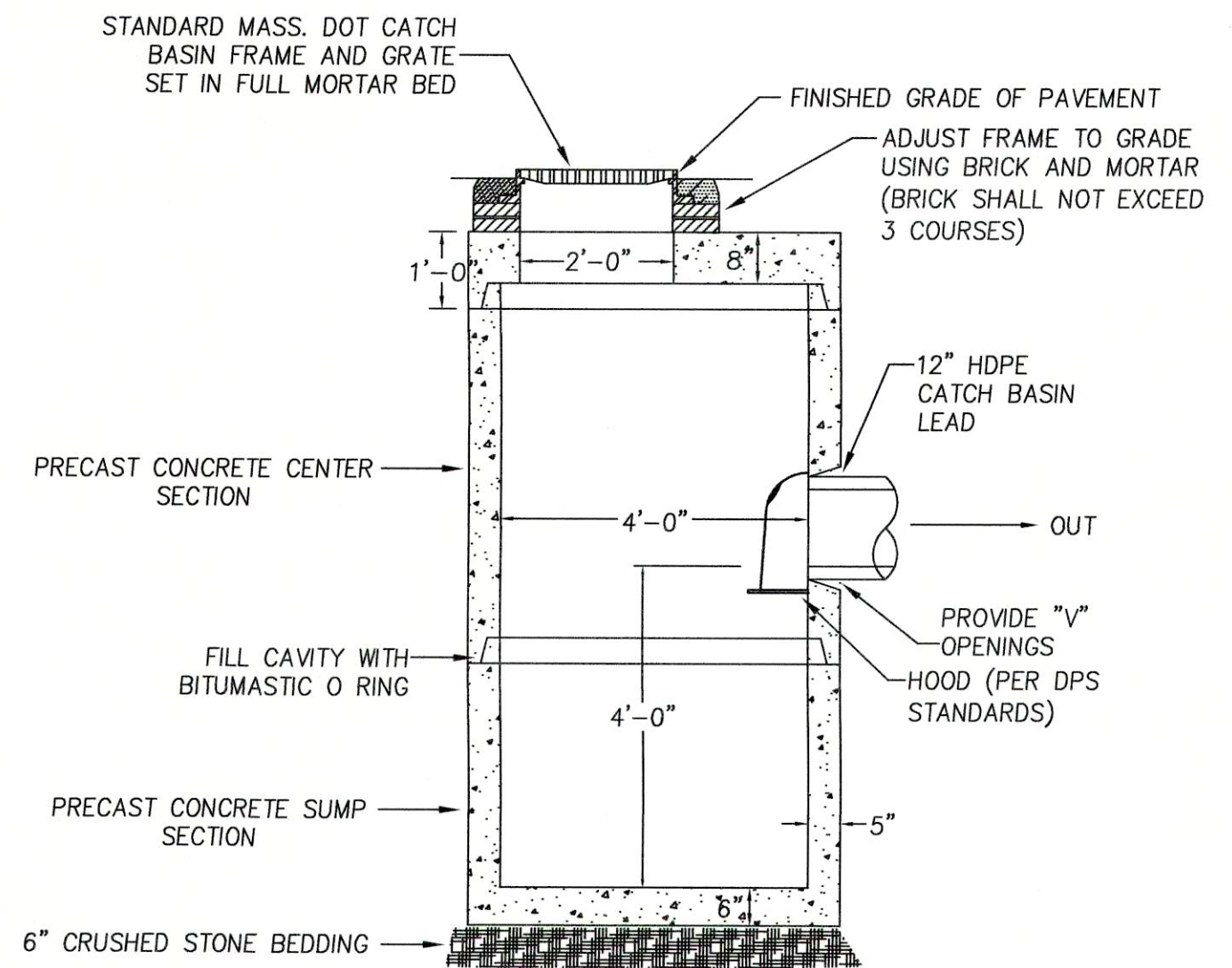
N.T.S.



NOTES: 1) DRAIN MANHOLES SHALL CONFORM TO ASTM C478 AND ASTM C185

PRECAST DRAIN
MANHOLE DETAIL

N.T.S.



NOTES: 1) CATCH BASINS SHALL CONFORM TO ASTM C478 AND ASTM C185
2) FLAT TOP STRUCTURES SHALL BE PRECAST SECTIONS AND HAVE A 28 DAY COMPRESSIVE STRENGTH OF 5000 PSI REINFORCED FOR AASHTO H-20 LOADING.
3) CONICAL SECTIONS MAY BE SUBSTITUTED FOR FLAT-TOP STRUCTURES IN AREAS WHERE MORE THAN 4 FEET OF COVER IS PROVIDED FOR DRAIN PIPE.

PRECAST CATCH
BASIN DETAIL

N.T.S.



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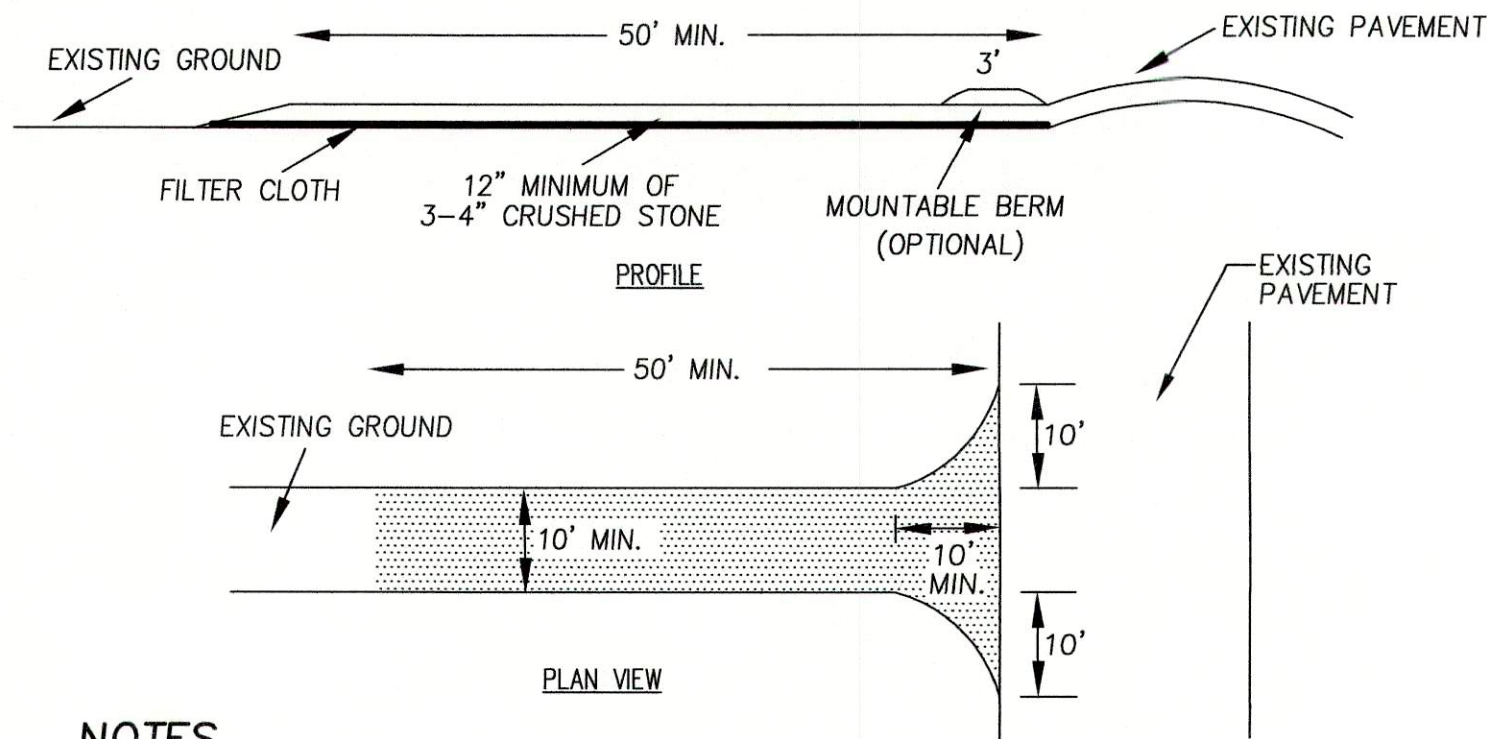
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PLAN OF LAND
IN
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PROPOSED SITE IMPROVEMENTS
AT
84 BOSTON ROAD
(MAP R-36 LOT 23A)

**DRAINAGE
DETAILS**

SHEET: C-5



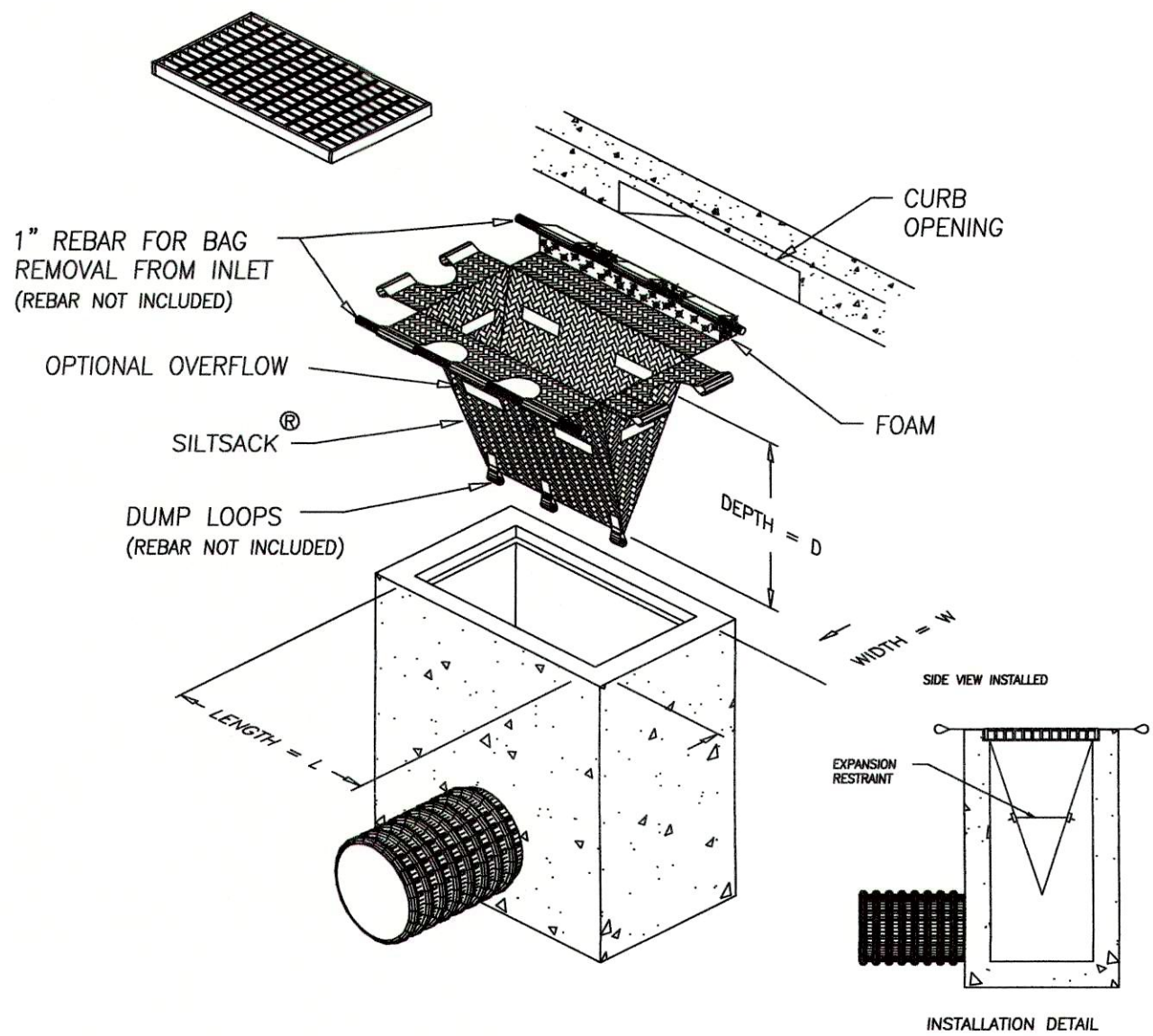
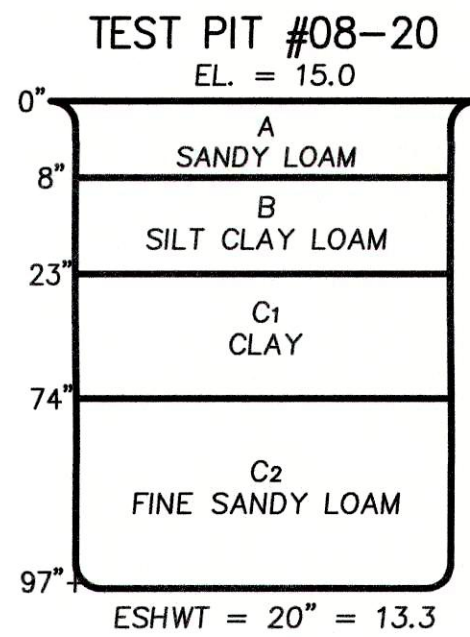
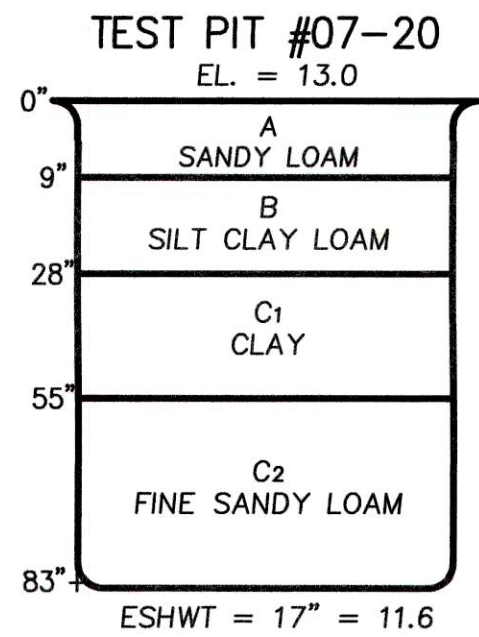
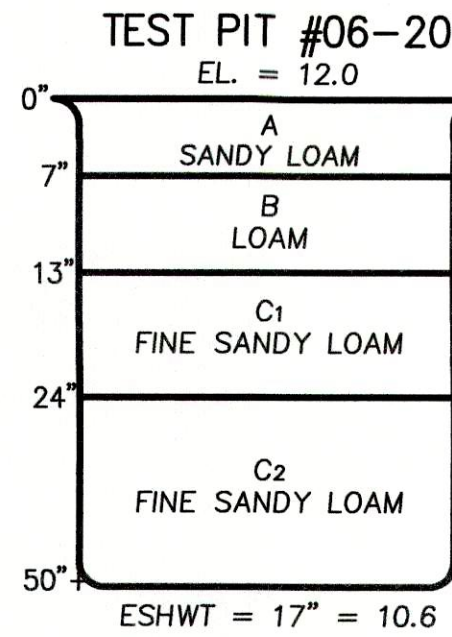
NOTES

- STONE SHALL BE 3-4" STONE, RECLAIMED STONE, OR RECYCLED CONCRETE EQUIVALENT.
- THE LENGTH OF THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 50'.
- THE THICKNESS OF THE STONE FOR THE STABILIZED ENTRANCE SHALL NOT BE LESS THAN 12".
- GEOTEXTILE FILTER CLOTH SHALL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING THE STONE.
- ALL SURFACE WATER THAT IS FLOWING TO OR DIVERTED TOWARD THE CONSTRUCTION ENTRANCE SHALL BE PIPED BENEATH THE ENTRANCE. IF PIPING IS IMPRACTICAL, A BERM WITH 5:1 SLOPES THAT CAN BE CROSSED BY VEHICLES MAY BE SUBSTITUTED FOR THE PIPE.
- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-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, WASHED, OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED PROMPTLY.
- WHEELS SHALL BE CLEANED TO REMOVE MUD PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.

STABILIZED CONSTRUCTION

ENTRANCE

N.T.S.



NOTES

- TO INSTALL SILTSACK IN THE CATCH BASIN, REMOVE THE GRATE AND PLACE THE SACK IN THE OPENING. HOLD APPROXIMATELY SIX INCHES OF THE SACK OUTSIDE THE FRAME. THIS IS THE AREA OF THE LIFTING STRAPS. REPLACE THE GRATE TO HOLD THE SACK IN PLACE.
- WHEN THE RESTRAINT CORD IS NO LONGER VISIBLE, SILTSACK IS FULL AND SHOULD BE EMPTIED.
- TO REMOVE SILTSACK, TAKE TWO PIECES OF 1" DIAMETER REBAR AND PLACE THROUGH THE LIFTING LOOPS ON EACH SIDE OF THE SACK TO FACILITATE THE LIFTING OF SILTSACK.
- TO EMPTY SILTSACK, PLACE UNIT WHERE THE CONTENTS WILL BE COLLECTED. PLACE THE REBAR THROUGH THE LIFT STRAPS (CONNECTED TO THE BOTTOM OF THE SACK) AND LIFT. THIS WILL LIFT SILTSACK FROM THE BOTTOM AND EMPTY THE CONTENTS. CLEAN OUT AND RINSE. RETURN SILTSACK TO ITS ORIGINAL SHAPE AND PLACE BACK IN THE BASIN.
- SILTSACK IS REUSABLE. ONCE THE CONSTRUCTION CYCLE IS COMPLETE, REMOVE SILTSACK FROM THE BASIN AND CLEAN. SILTSACK SHOULD BE STORED OUT OF SUNLIGHT UNTIL NEXT USE.

SILT SACK

DETAIL

N.T.S.

GENERAL EROSION

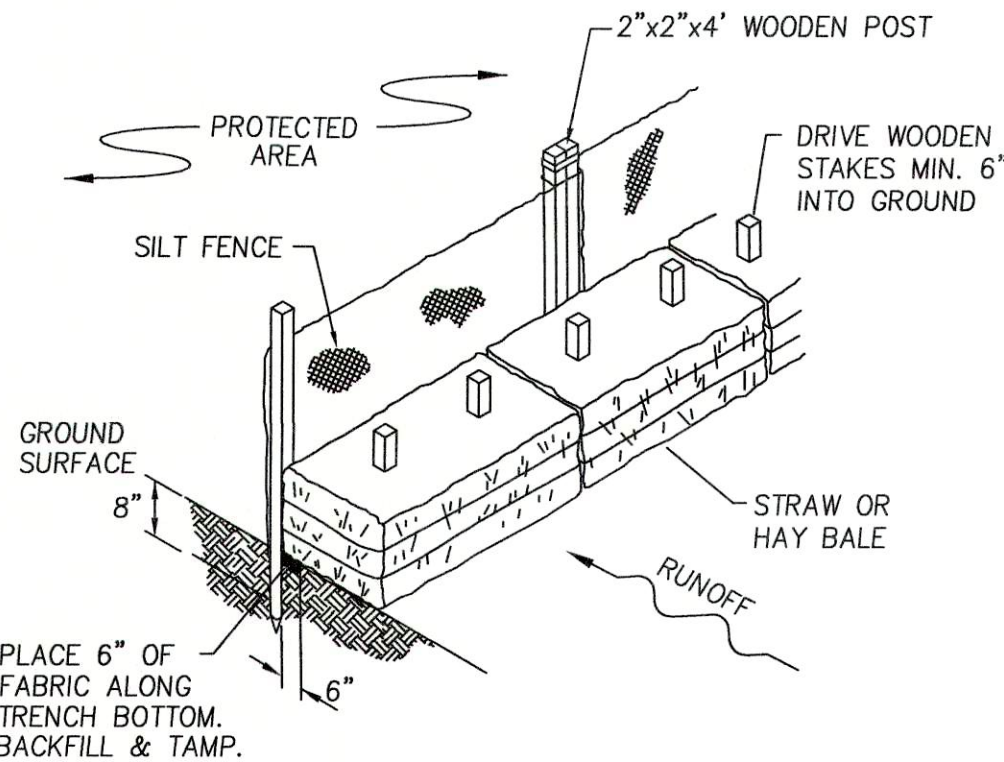
CONTROL NOTES

- ALL SILT FENCE SHALL BE INSTALLED BEFORE THE START OF CONSTRUCTION. SILT FENCE SHALL BE REMOVED UPON COMPLETION OF THE PROJECT AND STABILIZATION OF ALL SOIL.
- ALL FILL SHALL BE FREE OF STUMPS AND LARGE STONES. LEDGE ENCOUNTERED ONSITE CAN BE GROUND UP TO A MAXIMUM 3" SIZE AND USED FOR FILL.
- ANY STANDING BODIES OF WATER CREATED DURING EXCAVATION SHALL BE ELIMINATED.
- EROSION CONTROL BARRIERS SHALL BE INSPECTED WEEKLY AND AFTER EVERY 0.5" OF RAINFALL AND PROMPTLY REPAIRED OR REPLACED AS NECESSARY.
- ACCUMULATED SEDIMENT DEPOSITS UPSTREAM OF BARRIERS SHALL BE PROPERLY DISPOSED OF ON A REGULAR BASIS.
- AREAS OUTSIDE THE LIMITS OF WORK (EROSION CONTROL/SILT FENCE LOCATIONS) DISTURBED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE RESTORED TO THEIR ORIGINAL CONDITION AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING EROSION AND/OR SEDIMENT CONTROLS DURING CONSTRUCTION. HE/SHE SHALL INSPECT CONTROLS WEEKLY AND AFTER ALL STORM EVENTS. REPAIRS, IF REQUIRED, SHALL BE MADE IMMEDIATELY.
- TEMPORARY GROUND COVER SHALL BE ESTABLISHED IN AREAS OF CONSTRUCTION WHERE REQUIRED BY THE NEWBURY PLANNING BOARD AND CONSERVATION COMMISSION.
- ANY DISTURBED AREAS OF THE SITE NOT USED FOR ROADWAY OR UTILITY CONSTRUCTION SHALL BE STABILIZED WITH LOAM AND SEED UNTIL FURTHER DISTURBANCE IS REQUIRED FOR BUILDING CONSTRUCTION.
- AN AREA SHALL BE CONSIDERED STABILIZED IF ONE OF THE FOLLOWING HAS OCCURRED: BASE COURSE GRAVELS HAVE BEEN INSTALLED IN AREAS TO BE PAVED; A MINIMUM OF 85% VEGETATED GROWTH HAS BEEN ESTABLISHED; A MINIMUM OF 3" OF NON-EROSIVE MATERIAL SUCH AS STONE OR RIPRAP HAS BEEN INSTALLED; OR EROSION CONTROL BLANKETS HAVE BEEN PROPERLY INSTALLED.
- THE CONTRACTOR SHALL IDENTIFY TO THE TOWN HIS/HER TOPSOIL STOCKPILING OPERATIONS AND LOCATIONS.
- PROVIDE SILTSACK (OR APPROVED EQUAL) SEDIMENT FILTER AT ALL CATCH BASINS.
- A MINIMUM OF 6" OF LOAM SHALL BE INSTALLED ON ALL DISTURBED UNPAVED SURFACES.
- SEED MIX SHALL BE NO LESS THAN 4 LBS./1000 S.F. OF LAND AREA. SEED SHALL CONSIST OF A MAXIMUM OF 10% RYE GRASS AND A MINIMUM OF 90% PERMANENT BLUEGRASS AND/OR FESCUE. LIME SHALL BE APPLIED AT A RATE OF 2 TONS/ACRE.
- NO MORE THAN 6 ACRES SHALL BE DISTURBED AT ONE TIME. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.
- WHERE PLACEMENT OF FILL IS REQUIRED FOR THE CONSTRUCTED WETLAND, FILL SHALL BE PLACED IN AN UNFROZEN STATE UPON UNFROZEN GROUND.

CONSTRUCTION

SEQUENCE

- INSTALL SILT FENCE AT LIMIT OF WORK & STAKE OUT CONSTRUCTED WETLAND.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS DEPICTED.
- CLEAR AND GRUB DEBRIS TO PHASE LINE AND DISPOSE OF PROPERLY.
- STRIP, SCREEN AND STOCKPILE TOPSOIL. TOPSOIL CAN BE TEMPORARILY STOCKPILED ON SITE PROVIDING THAT THE PERIMETER OF THE STOCKPILES ARE PROPERLY STAKED WITH SILT FENCE AT THE TOE OF SLOPE.
- ROUGH GRADE CONSTRUCTED WETLAND.
- GRADE PAVEMENT TO TOP OF SUBGRADE ELEVATIONS. ALL ROADWAYS MUST BE STABILIZED IMMEDIATELY AFTER GRADING.
- BEGIN BUILDING CONSTRUCTION.
- INSTALL UTILITIES/DRAINAGE STRUCTURES.
- PLACE RIPRAP WHERE SHOWN ON PLANS. LOAM AND HYDROSEED SIDESLOPES AND ALL DISTURBED AREAS WITHIN 72 HOURS.
- ADD PLANTINGS TO CONSTRUCTED WETLAND.
- SPREAD, SHAPE, AND COMPACT PAVEMENT SUBBASE AS PER TYPICAL PAVEMENT SECTION TO ATTAIN FINAL DESIGN ELEVATIONS.
- PERFORM BINDER COURSE PAVING.
- LOAM AND HYDROSEED ANY DISTURBED SURFACES ALONG EDGES OF PAVEMENT AS REQUIRED.
- PERFORM FINAL PAVING (TOP COURSE).
- REMOVE EROSION CONTROL.



NOTES

- POSTS SHALL BE DOUBLED AND COUPLED AT FILTER CLOTH SEAMS.
- FILTER CLOTH TO BE FASTENED SECURELY TO SUPPORT NETTING WITH TIES SPACED EVERY 24" AT TOP, MID SECTION, AND BOTTOM.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY 6 INCHES, FOLDED AND STAPLED.

MAINTENANCE

- SILT FENCE SHALL BE INSPECTED IMMEDIATELY AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
- IF THE FABRIC ON THE SILT FENCE SHALL DECOMPOSE OR BECOME INEFFECTIVE DURING THE EXPECTED LIFE OF THE FENCE, THE FABRIC SHALL BE REPLACED PROMPTLY.
- SEDIMENT DEPOSITS SHALL BE INSPECTED AFTER EVERY STORM EVENT. THE DEPOSITS SHALL BE REMOVED WHEN THEY REACH APPROXIMATELY ONE-THIRD THE HEIGHT OF THE BARRIER.
- SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE FABRIC HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

SILT FENCE/

HAYBALE INSTALLATION

N.T.S.

		 <i>Chris M.Y.</i> 12/1/20	PREPARED FOR K & R CONSTRUCTION COMPANY LLC P.O. BOX 163 BOXFORD, MA 01921						MILLENNIUM ENGINEERING, INC. ENGINEERING AND LAND SURVEYING 62 ELM ST. SALISBURY, MA 01952 (978) 463-8980 13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528			PLAN OF LAND IN NEWBURY, MA SHOWING PROPOSED SITE IMPROVEMENTS AT 84 BOSTON ROAD (MAP R-36 LOT 23A)		EROSION CONTROL DETAILS SHEET: C-6	
				2	12/1/20	ADDRESS REVIEWER'S COMMENTS	C.M.Y.	SCALE: AS NOTED			DESG. BY: C.M.Y.		PROJECT: M193680		
				1	9/30/20	ADDRESS TOWN COMMENTS	C.M.Y.	DATE: JUL. 20, 2020			CHKD. BY: E.W.B.				
								NO.	DATE	DESCRIPTION	BY	DATE: JUL. 20, 2020			CHKD. BY: E.W.B.

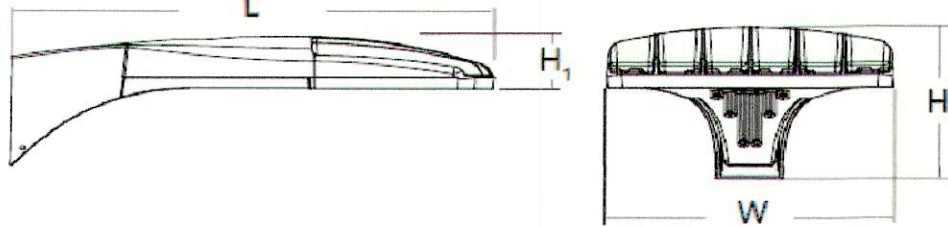
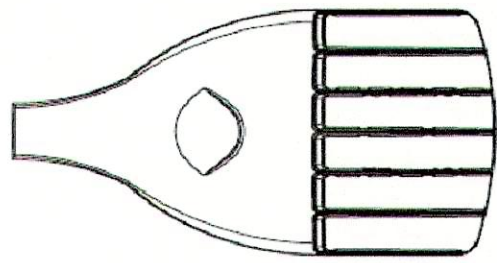


D-Series Size 0
LED Area Luminaire



Specifications

EPA: 0.95 ft²
(.09 m²)
Length: 26"
(66.0 cm)
Width: 13"
(33.0 cm)
Height: 3"
(7.62 cm)
Height: 7"
(17.8 cm)
Weight: 16 lbs
(7.23 kg)



Catalog Number	
Notes	
Type	

Introduction

The modern styling of the D-Series is striking yet unobtrusive - making a bold, progressive statement even as it blends seamlessly with its environment. The D-Series distills the benefits of the latest in LED technology into a high performance, high efficacy, long-life luminaire. The outstanding photometric performance results in sites with excellent uniformity, greater pole spacing and lower power density. It is ideal for replacing up to 400W metal halide with typical energy savings of 70% and expected service life of over 100,000 hours.



D-Series Size 1
LED Wall Luminaire



Specifications
Luminaire

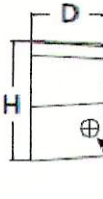
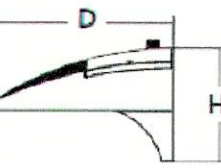
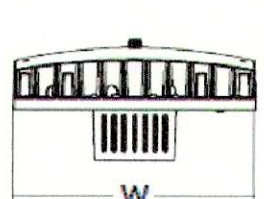
Width: 13-3/4"
(34.9 cm)
Depth: 10"
(25.4 cm)
Height: 6-3/8"
(16.2 cm)

Weight: 12 lbs
(5.4 kg)

Back Box (BBW, ELCW)

Width: 13-3/4"
(34.9 cm)
Depth: 4"
(10.2 cm)
Height: 6-3/8"
(16.2 cm)

BBW Weight: 5 lbs
(2.3 kg)
ELCW Weight: 10 lbs
(4.5 kg)



For 3/4" NPT side-entry conduit (BBW only)

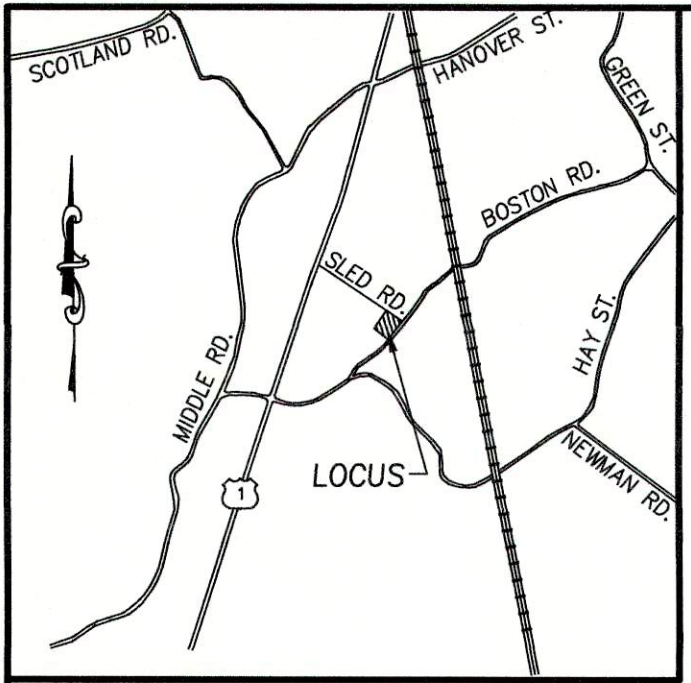
Catalog Number	
Notes	
Type	

Introduction

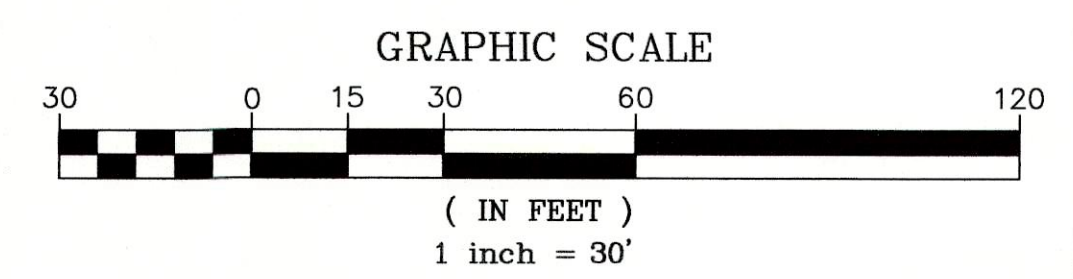
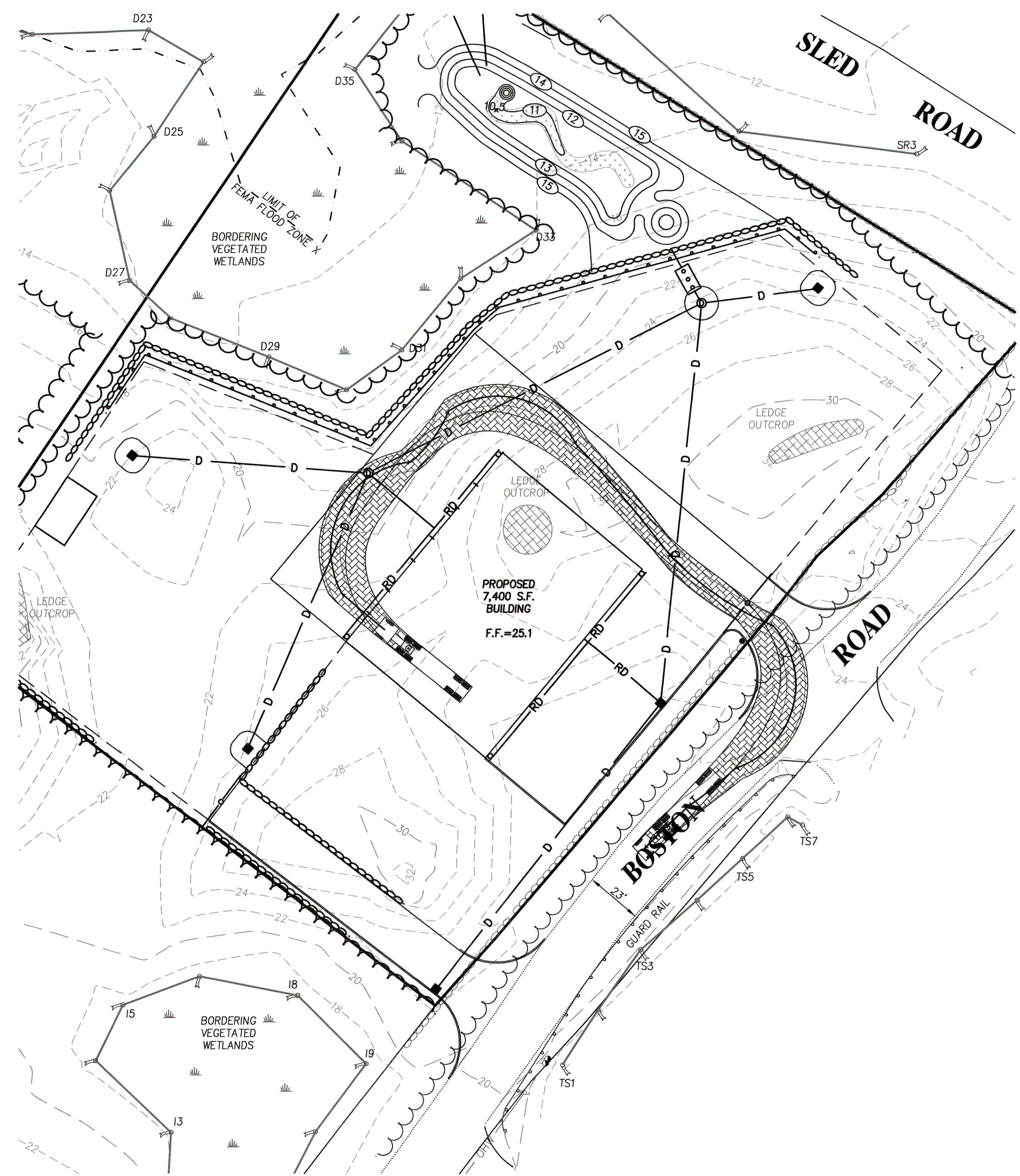
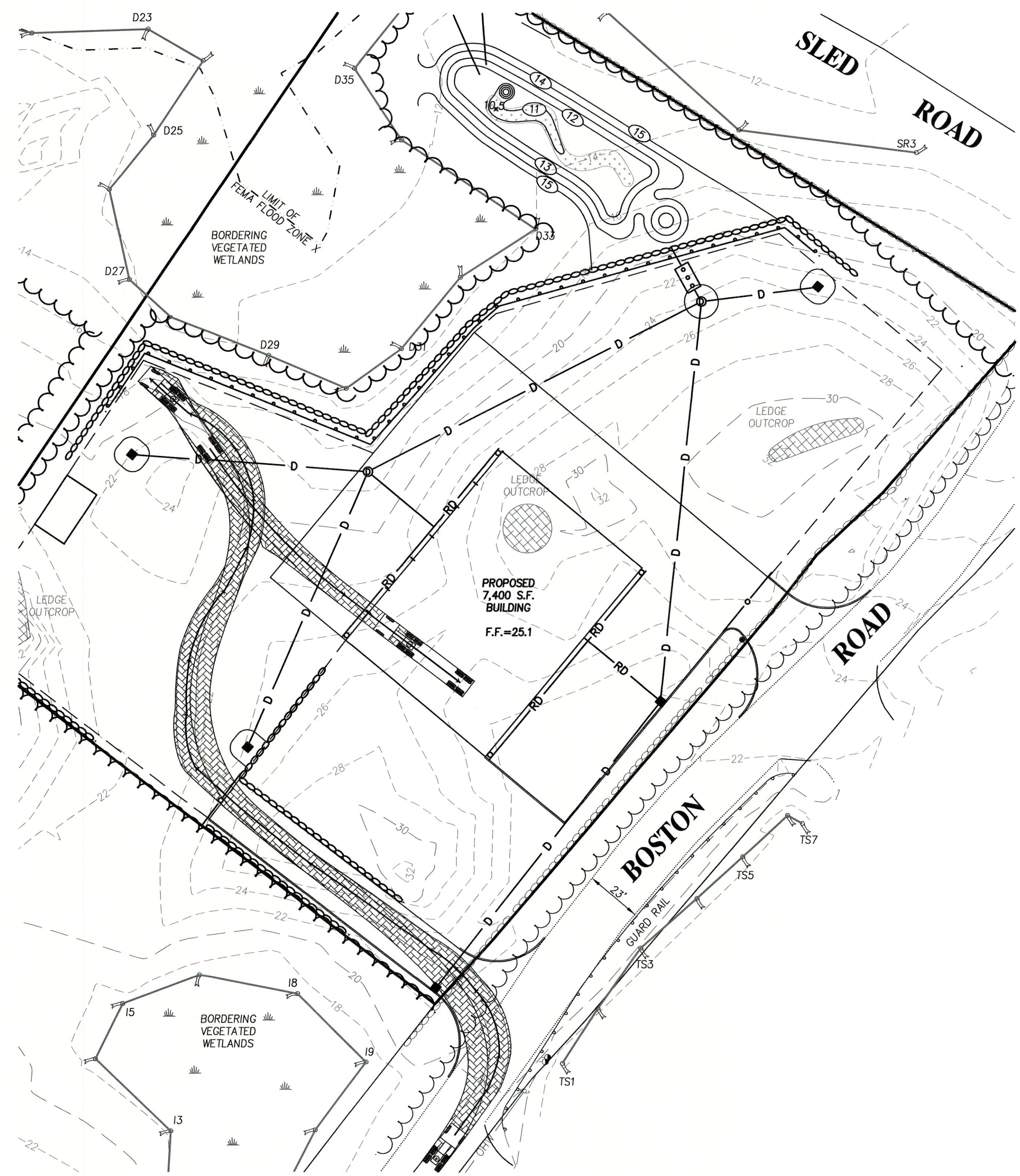
The D-Series Wall luminaire is a stylish, fully integrated LED solution for building-mount applications. It features a sleek, modern design and is carefully engineered to provide long-lasting, energy-efficient lighting with a variety of optical and control options for customized performance.

With an expected service life of over 20 years of nighttime use and up to 74% in energy savings over comparable 250W metal halide luminaires, the D-Series Wall is a reliable, low-maintenance lighting solution that produces sites that are exceptionally illuminated.






LOCUS MAP
1"=1000'



PREPARED FOR
K & R CONSTRUCTION COMPANY LLC
P.O. BOX 163
BOXFORD, MA 01921

NO.	DATE	DESCRIPTION	BY
2	12/1/20	ADDRESS REVIEWER'S COMMENTS	C.M.Y.
1	9/30/20	ADDRESS TOWN COMMENTS	C.M.Y.

**MILLENNIUM ENGINEERING, INC.**
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

SCALE: 1"=30'	DESG. BY: C.M.Y.	PROJECT: M193680
DATE: JUL. 20, 2020	CHKD. BY: E.W.B.	

PLAN OF LAND
IN
NEWBURY, MA
SHOWING
PROPOSED CONDITIONS
AT
84 BOSTON ROAD
(MAP R-36 LOT 23A)

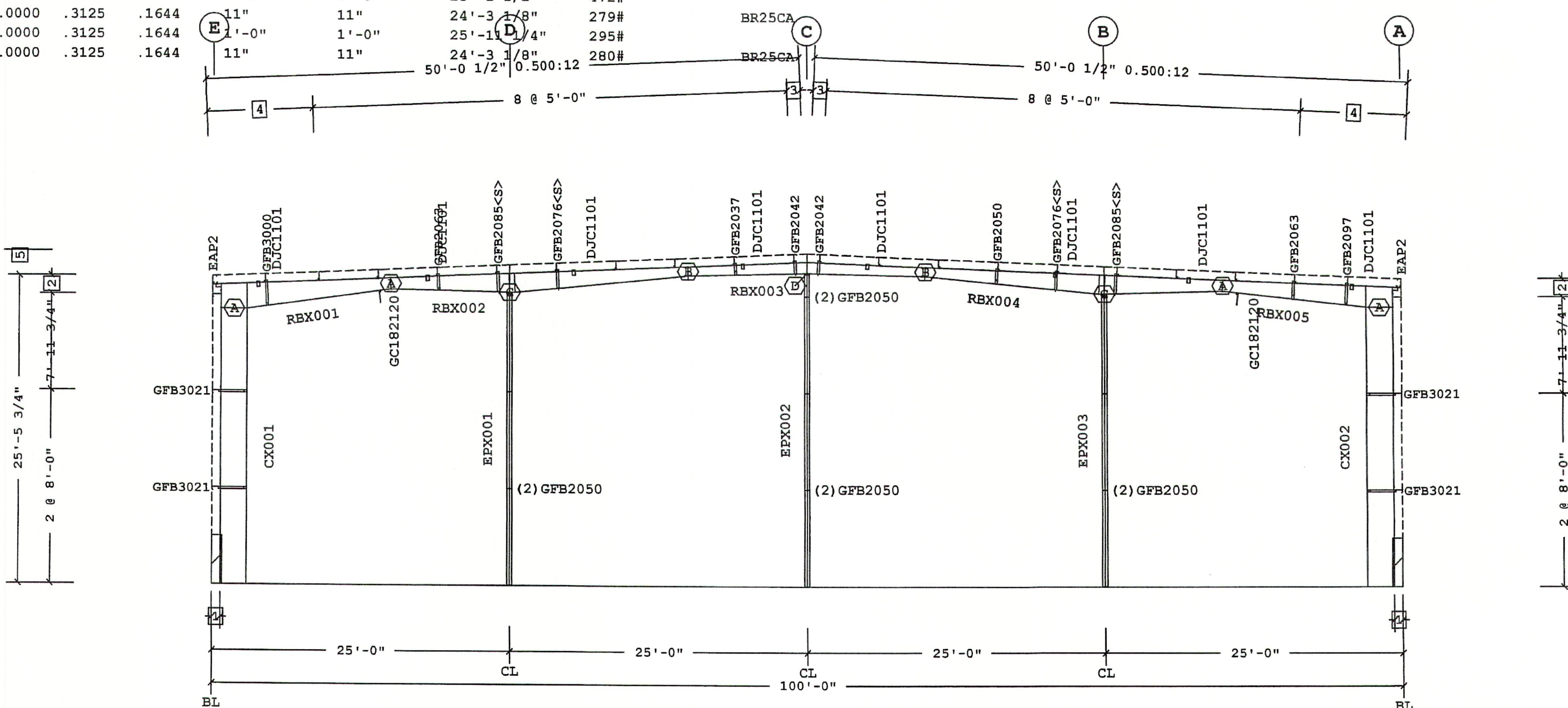
TRUCK
TURNING
MOVEMENTS
SHEET: F-1

Frame Member Schedule

Part	Mem	Width	Thick	WebThk.	Depth1	Depth2	Approx. Lgth	Approx. Weight	Detail
CX001	1	5.0000	.1875	.1345	2'-3"	2'-3"	22'-9 1/2"	466#	
RBX001	2	5.0000	.1875	.1345	2'-1"	11"	15'-0"	253#	
RBX002	3	5.0000	.1875	.1345	11"	1'-7"	25'-0 1/4"	343#	
	4	5.0000	.1875	.1345	1'-7"	9"			
RBX003	5	5.0000	.1875	.1345	9"	11"	20'-0"	235#	
	6	5.0000	.1875	.1345	11"	9"			
RBX004	7	5.0000	.1875	.1345	9"	1'-7"	25'-0 1/4"	343#	
	8	5.0000	.1875	.1345	1'-7"	11"			
RBX005	9	5.0000	.1875	.1345	11"	1'-9"	15'-0"	235#	
CX002	10	5.0000	.1875	.1345	2'-3"	2'-3"	23'-1 1/2"	472#	
EPX001	11	5.0000	.3125	.1644	11"	11"	24'-3 1/8"	279#	
EPX002	12	5.0000	.3125	.1644	1'-0"	1'-0"	25'-11 1/4"	295#	
EPX003	13	5.0000	.3125	.1644	11"	11"	24'-3 1/8"	280#	

Frame Clearances

Horiz. Clearance between members 1(CX001) and 10(CX002): 94'-1"
Vert. Clearance at member 1(CX001): 22'-9 1/2"
Vert. Clearance at member 10(CX002): 23'-1 1/2"
Vert. Clearance at member 11(EPX001): 24'-3 1/16"
Vert. Clearance at member 12(EPX002): 25'-11 1/4"
Vert. Clearance at member 13(EPX003): 24'-3 1/16"
Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)



FRAME CROSS SECTION AT FRAME LINE(S) 1

Bolt Connection & Plate Schedule

Id	Qty	Grade	Bolt Dia.	Bolt Length	Plate Thick.	Rows Out	Rows In	Washer	PartNo
A	4	A325	3/4"	2 1/2"	3/8"	1	1		0097284
B	6	A325	3/4"	2 1/2"	3/8"	1	2		0097284
C	4	A325	1/2"	1 1/2"	3/8"	1	1		49080
D	4	A325	1/2"	1 1/2"	3/8"	1	1	Yes	49080

<S> - (2) Washers (095872) req'd at Flange Brace to Secondary.

- 5 27'-6 3/4" Ridge Ht.
4 2 @ 4'-5 9/16"
3 1'-1 3/8"
2 1'-6"
1 8 1/2"
Dimension Key

Shape Name = Garage Wall 4, Frame 1

1. USE 1/2 X 1 1/2 A325T BOLT (49080) AND NUT (47120) W/O WASHERS. SNUG TIGHTEN BOLTS FOR ALL SECONDARY CONNECTIONS, SECONDARY CLIP CONNECTIONS, AND FLANGE BRACE CONNECTIONS, UNLESS NOTED OTHERWISE.

2. SLOT REINFORCEMENT PLATES NEED NOT BE LOCATED ON THE SAME SIDE OF THE WEB AS THE HILLSIDE WASHER.

THE BUTLER MFG. ENGINEER'S SEAL APPLIES ONLY TO THE WORK PRODUCT OF BUTLER MFG. AND DESIGN AND PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER. THE BUTLER MFG. ENGINEER'S SEAL DOES NOT APPLY TO THE PERFORMANCE OR DESIGN OF ANY OTHER PRODUCT OR COMPONENT FURNISHED BY BUTLER EXCEPT TO ANY DESIGN OR PERFORMANCE REQUIREMENTS SPECIFIED BY BUTLER.

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THE GENERAL CONTRACTOR AND/OR ERECTOR IS SOLELY RESPONSIBLE FOR ACCURATE GOOD QUALITY WORKMANSHIP IN ERECTING THIS BUILDING IN ACCORDANCE WITH THIS DRAWING, DETAILS REFERENCED IN THIS DRAWING, ALL APPLICABLE BUTLER MFG. ERECTION GUIDES, AND INDUSTRY STANDARDS PERTAINING TO PROPER ERECTION, INCLUDING THE CORRECT USE OF TEMPORARY BRACING.

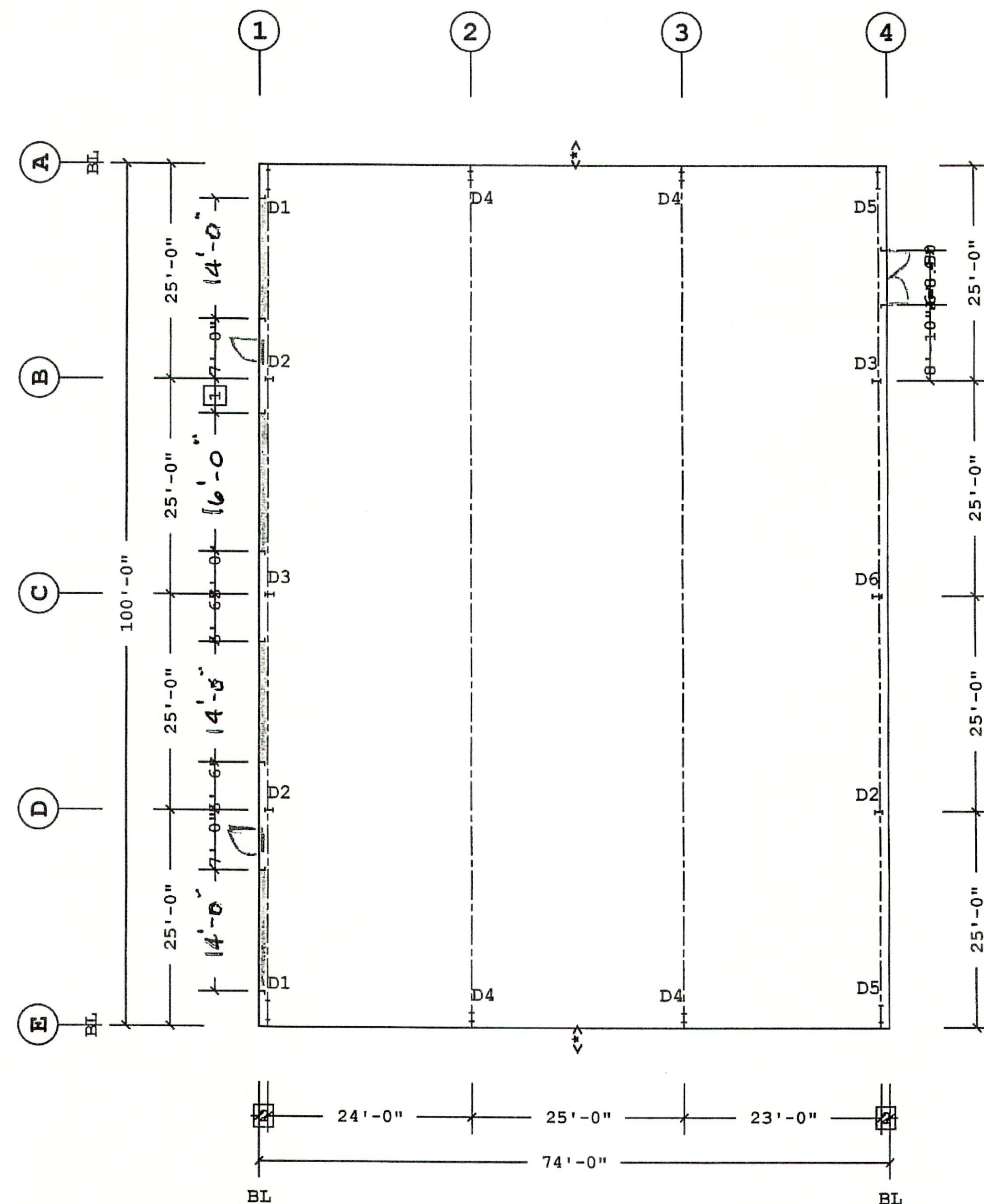
REV	DATE	BY	DESCRIPTION
B			

BUTLER MANUFACTURING
1540 GENESSEE ST. KANSAS CITY, MO 64102

DRAWING SCALE: NTS

Garage-Frame at 1

BUILDER: Dutton & Garfield, Inc.		JOB #
CUSTOMER:		
LOCATION: Newbury, Massachusetts		
PROJECT: K&R Construction		
BUILDER'S PO#:	Butler Manufacturing	VPC VERSION: ADVNXT 3.8



ANCHOR ROD PLAN

2 1'-0"
1 4'-0"
Dimension Key


Finished Floor Elevation = 100'-0" (Unless Noted Otherwise)

<> THE BUILDING IS DESIGNED WITH BRACING DIAGONALS IN THE DESIGNATED BAYS. COLUMN BASE REACTIONS, BASE PLATES AND ANCHOR RODS ARE AFFECTED BY THIS BRACING AND DIAGONALS MAY NOT BE RELOCATED WITHOUT CONSULTING THE BUILDING SUPPLIERS ENGINEER.

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BUTLER MANUFACTURING 1540 GENESSEE ST. KANSAS CITY, MO 64102				ANCHOR ROD PLAN	
REV	DATE	BY	DESCRIPTION	BUILDER	Dutton & Garfield, Inc.
				CUSTOMER	
				LOCATION	Newbury, Massachusetts
				PROJECT	K&R Construction
				BUILDER'S PO#	
DRAWING SCALE				NTS	
				 Butler Manufacturing VPC VERSION: ADVNXT 3.8	
				JOB # DATE: 3/19/2020 DRAWING CHECK PAGE: 1	

