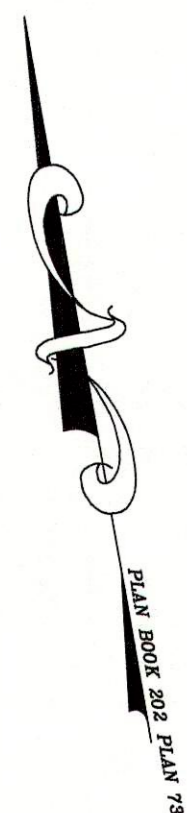
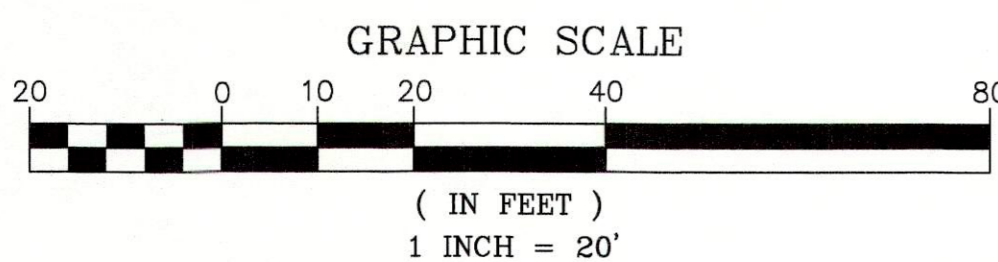


LOCUS MAP
N.T.S.



LEGEND

- B BOLLARD
- S SIGN
- CS CURB STOP
- VGC VERTICAL GRANITE CURB
- SGC SLOPED GRANITE CURB
- ☆ LP LIGHTPOLE
- UPOLE UTILITY POLE
- D DRAINAGE
- OHW OVERHEAD WIRE
- SF SILT FENCE
- CB CATCH BASIN
- ⊙ DMH DRAIN MANHOLE
- EMTR ELECTRIC METER
- HYDRANT
- WATER SHUT OFF
- WATER VALVE
- 44 EXIST. CONTOUR



PREPARED FOR

LI REALTY TRUST
139 ELM STREET
SALISBURY, MA 01952



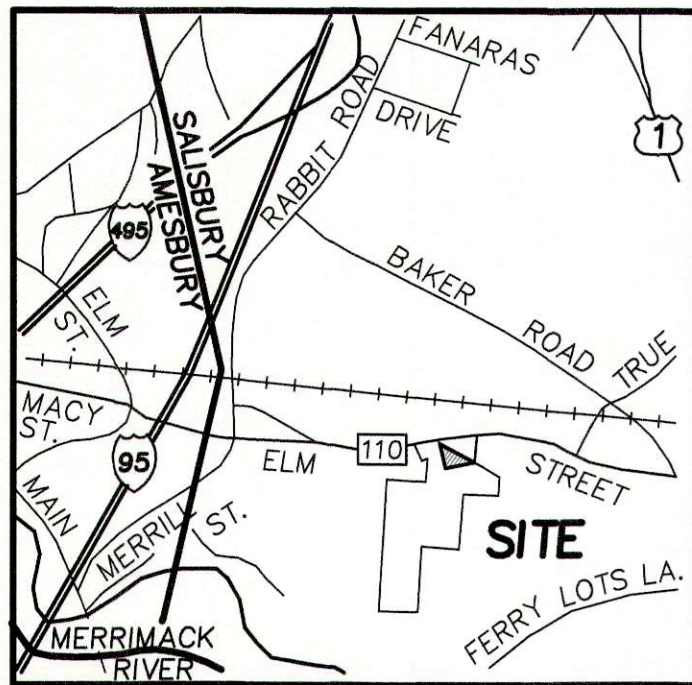
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

PLAN OF LAND
IN
SALISBURY, MA

SHOWING
PROPOSED PARKING IMPROVEMENTS
AT
139 ELM STREET

**EXISTING
CONDITIONS**

SHEET: 1 OF 7



LOCUS MAP
N.T.S.

EXISTING PARKING SPACES

63

PROPOSED PARKING SPACES

83

INCREASE IN IMPERVIOUS AREA

5,330 S.F.

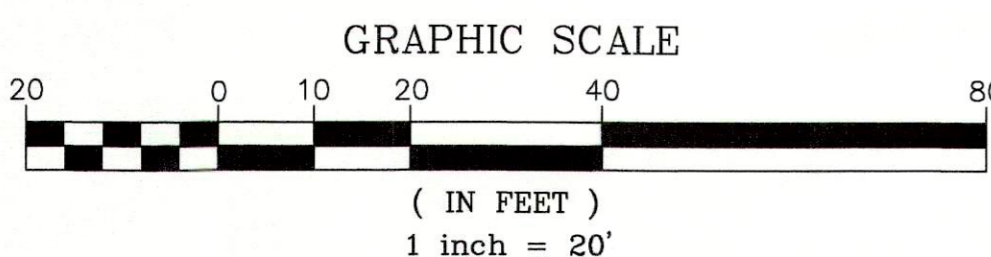
GENERAL NOTES

- ALL WORK SHALL CONFORM TO: THE SALISBURY 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 SALISBURY 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.
- ALL EXISTING STRUCTURES AND SURFACES, UNLESS OTHERWISE SHOWN, SHALL BE COMPLETELY REMOVED FROM THE AREAS OF WORK. ALL TREES SCHEDULED FOR REMOVAL SHALL BE FIELD MARKED AND APPROVED FOR REMOVAL BY THE CONSERVATION COMMISSION PRIOR TO CUTTING OPERATIONS.
- 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.
- 14 DAYS PRIOR TO COMMENCING CONSTRUCTION, THE OWNER/DEVELOPER SHALL PRESENT A CONSTRUCTION SCHEDULE TO THE PLANNING DEPARTMENT.
- THE OWNER/DEVELOPER SHALL SUBMIT TWO HARD COPIES OF AS-BUILT DRAWINGS TO THE PLANNING BOARD UPON COMPLETION OF THE PROJECT. AS-BUILTS SHALL INCLUDE ALL LANDBASE AND UTILITIES INFORMATION.
- ONSITE BURIAL OF STUMPS OR ANY OTHER DEBRIS IS PROHIBITED.
- IN THE EVENT EXCESSIVE SNOWFALL OCCURS, ALL PLOWED SNOW THAT CANNOT BE CONTAINED IN IDENTIFIED SNOW STORAGE AREAS SHALL BE REMOVED FROM THE SITE IN ACCORDANCE WITH ALL LOCAL, STATE AND FEDERAL REGULATIONS.
- THE PROPERTY DOES NOT LIE WITHIN THE 100-YEAR FLOOD PLAIN ACCORDING TO F.I.R.M. COMMUNITY PANEL NUMBER 25009C0107F.
- ELEVATIONS ARE BASED ON NAVD 1988 DATUM.

LEGEND

- | | | | |
|--|----------------------|--|---------------------------|
| | EXIST. CONTOUR | | PROP. CONTOUR |
| | PROP. RETAINING WALL | | PROP. SILT SOCK |
| | PROP. SWALE | | PROP. VERTICAL GRAN. CURB |
| | PROP. POLE LIGHT | | EXIST. CATCH BASIN |
| | PROP. BUILDING LIGHT | | EXIST. UTILITY POLE |
| | WETLANDS | | |

N/F TOWN OF SALISBURY
SEWER TREATMENT PLANT LAND
BK. 23792 PG. 545



PREPARED FOR

LI REALTY TRUST
139 ELM STREET
SALISBURY, MA 01952

NO.	DATE	DESCRIPTION	BY
1	1/9/19	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"=20'
DATE: AUG. 28, 2019
DESIG. BY: C.M.Y.
CHKD. BY: E.W.B.
PROJECT: M193549

PLAN OF LAND
IN
SALISBURY, MA

SHOWING
PROPOSED PARKING IMPROVEMENTS
AT
139 ELM STREET

SITE PLAN

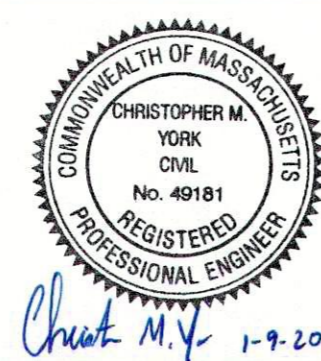
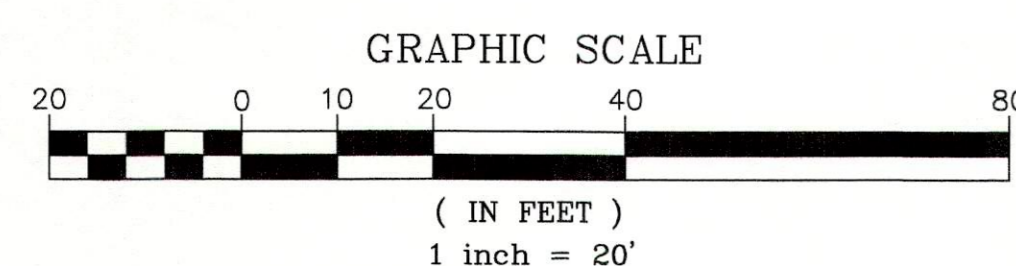
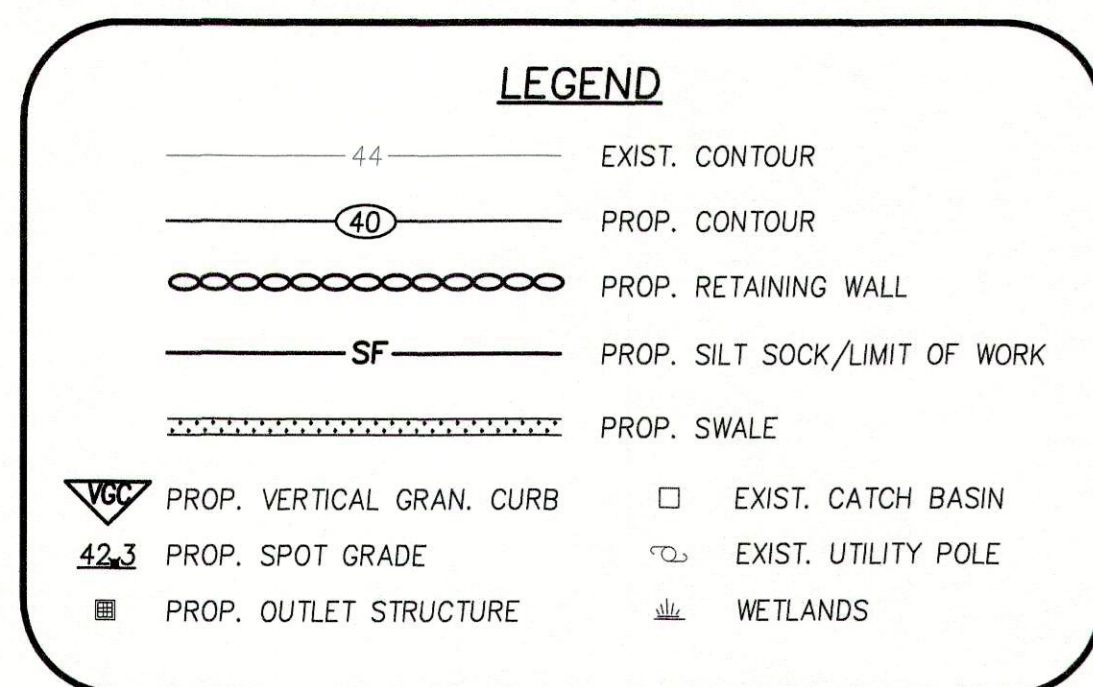
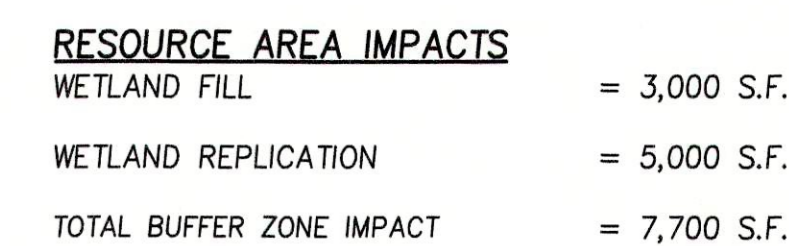
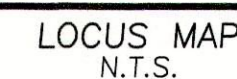
SHEET: 2 OF 7

WETLANDS DELINEATED BY:
MARK WEST
WEST ENVIRONMENTAL, INC.
48 STEVENS HILL ROAD
NOTTINGHAM, NH 03290

N/F
KATHY BERUBE MANSON
GUILLERMO COLOM
135 ELM STREET
BK. 23731 PG. 573

N/F JEFFREY P. DUFORD
137 ELM STREET
BK. 15916 PG. 462

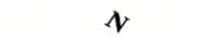
N/F CUDDIRE ELM STREET
REALTY TRUST,
LAWRENCE J. CUDDIRE, TR.
141 ELM STREET
BK. 7967 PG. 551



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LI REALTY TRUST

139 ELM STREET
SALISBURY, MA 01952

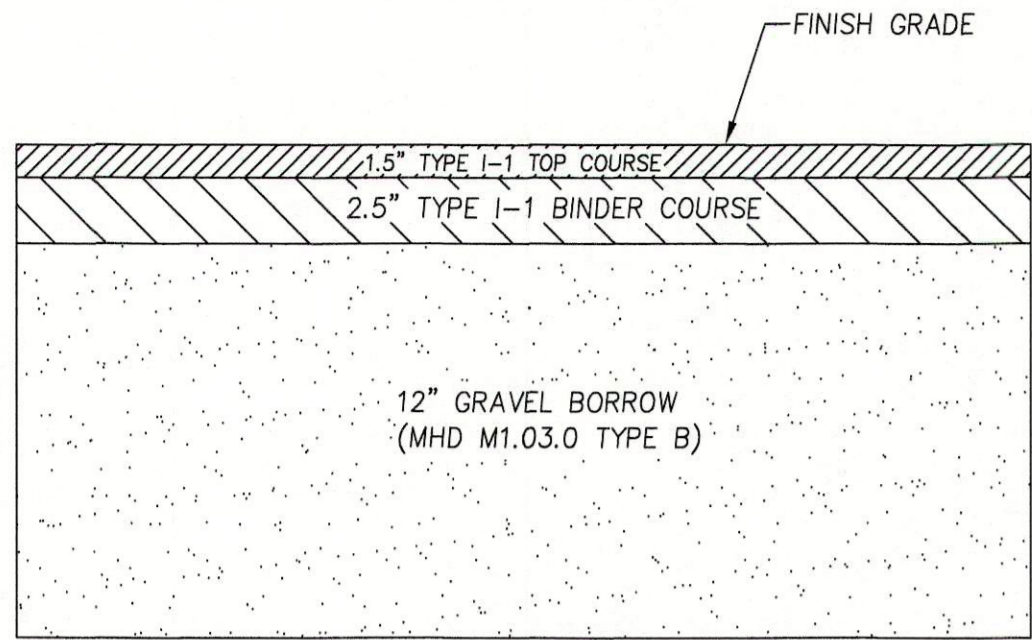
				 MILLENNIUM ENGINEERING, INC. ENGINEERING AND LAND SURVEYING 62 ELW ST. SALISBURY, MA 01952 (978) 463-8980 13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528	
1	1/9/19	ADDRESS TOWN COMMENTS	C.M.Y.	SCALE: 1"=20'	DESG. BY: C.M.Y.
NO.	DATE	DESCRIPTION	BY	DATE: AUG. 28, 2019	CHKD. BY: E.W.B.
					PROJECT: M193549

PLAN OF LAND
IN
SALISBURY, MA

SHOWING
PROPOSED PARKING IMPROVEMENTS
AT
139 ELM STREET

GRADING PLAN

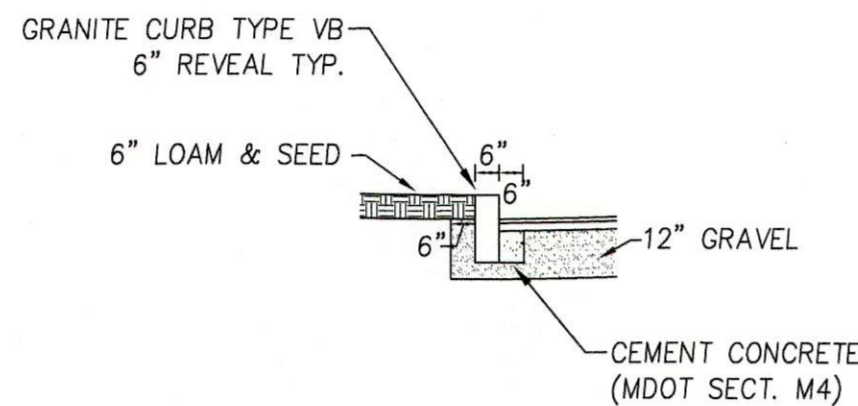
SHEET: 3 OF 7



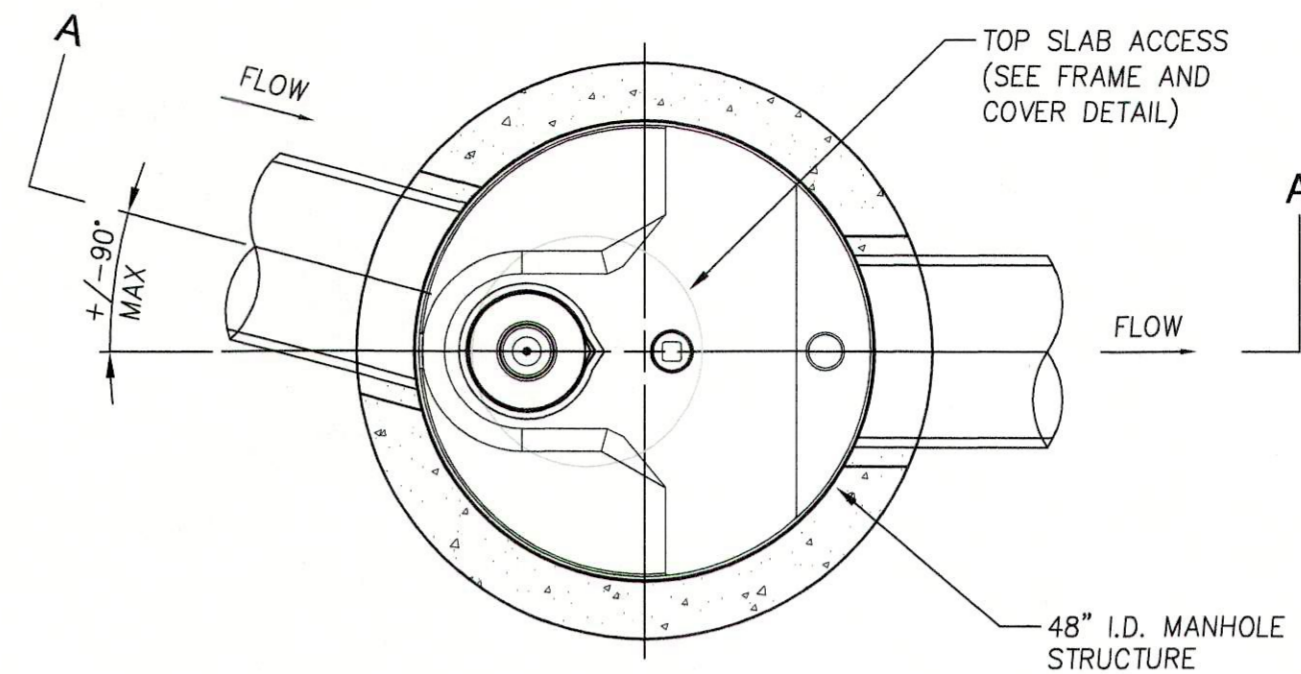
PAVEMENT
DETAIL N.T.S.

PAVEMENT NOTES

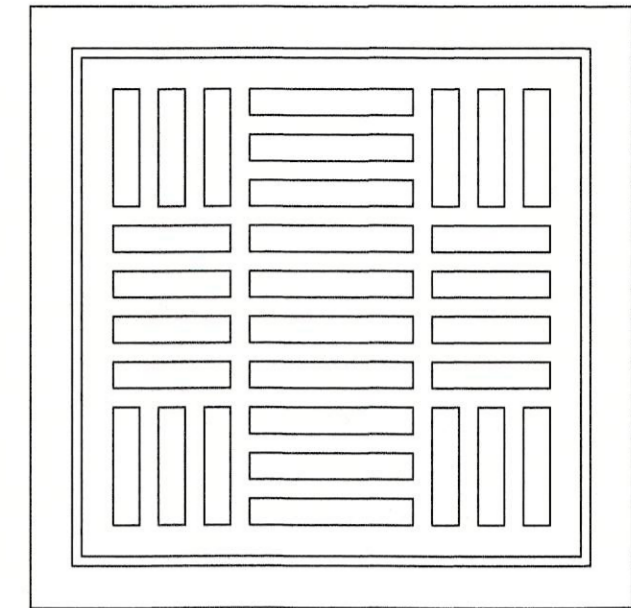
- 1.) ALL STUMPS, ROCKS AND LEDGE WITHIN THE LIMITS OF THE PROPOSED PAVED WAY SHALL BE REMOVED. ALL LEDGE SHALL BE REMOVED TO A MINIMUM DEPTH OF 2' BELOW FINISHED PAVEMENT GRADE.
- 2.) PAVEMENT SHALL NOT BE CONSTRUCTED DURING FREEZING WEATHER OR ON WET OR FROZEN SUBGRADE.
- 3.) GRADING AND ROLLING SHALL 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 GRAVEL 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 SALISBURY PLANNING BOARD RULES AND REGULATIONS GOVERNING THE SUBDIVISION OF LAND, SECTION III.



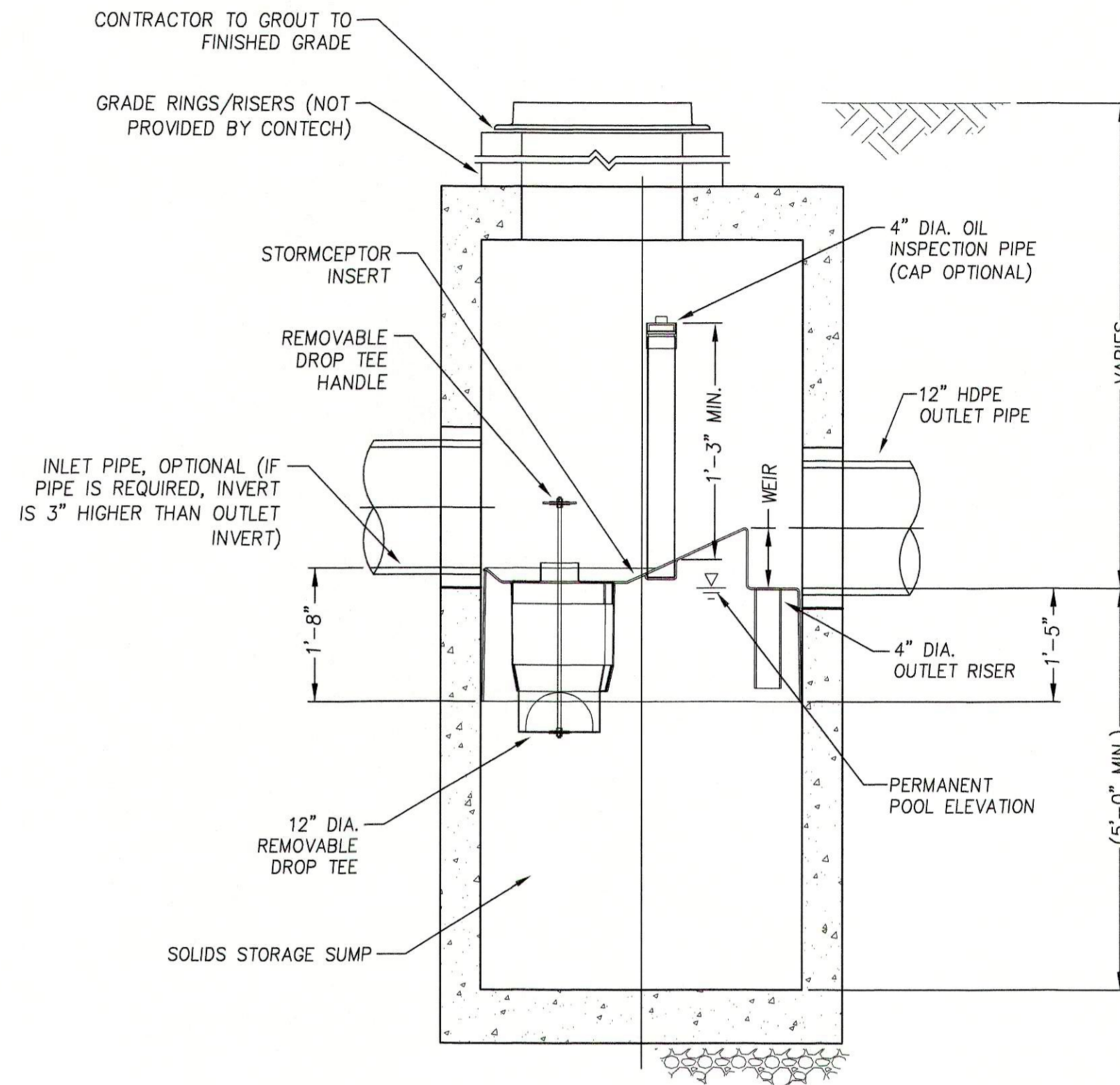
TYPICAL GRANITE CURBING
INSTALLATION DETAIL N.T.S.



PLAN VIEW A-A
N.T.S.



FRAME AND GRATE
(24" SQUARE)
N.T.S.



SECTION A-A
N.T.S.

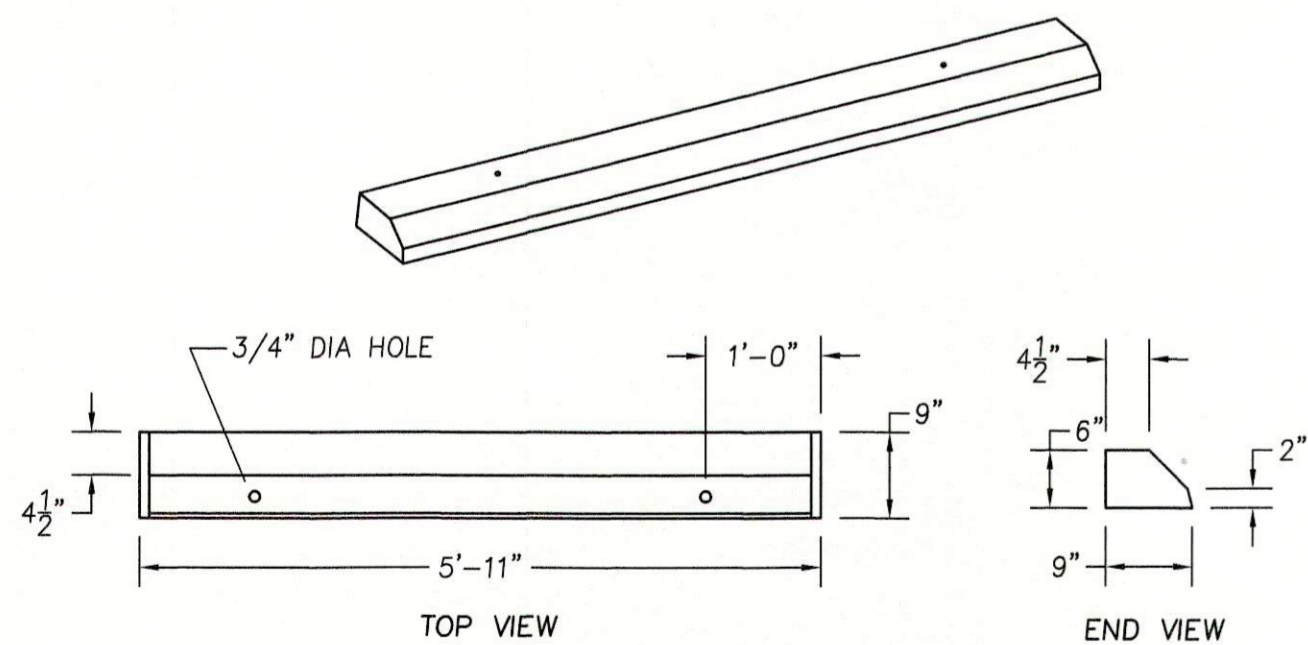
STC450i STORMCEPTOR
DETAIL N.T.S.

GENERAL NOTES

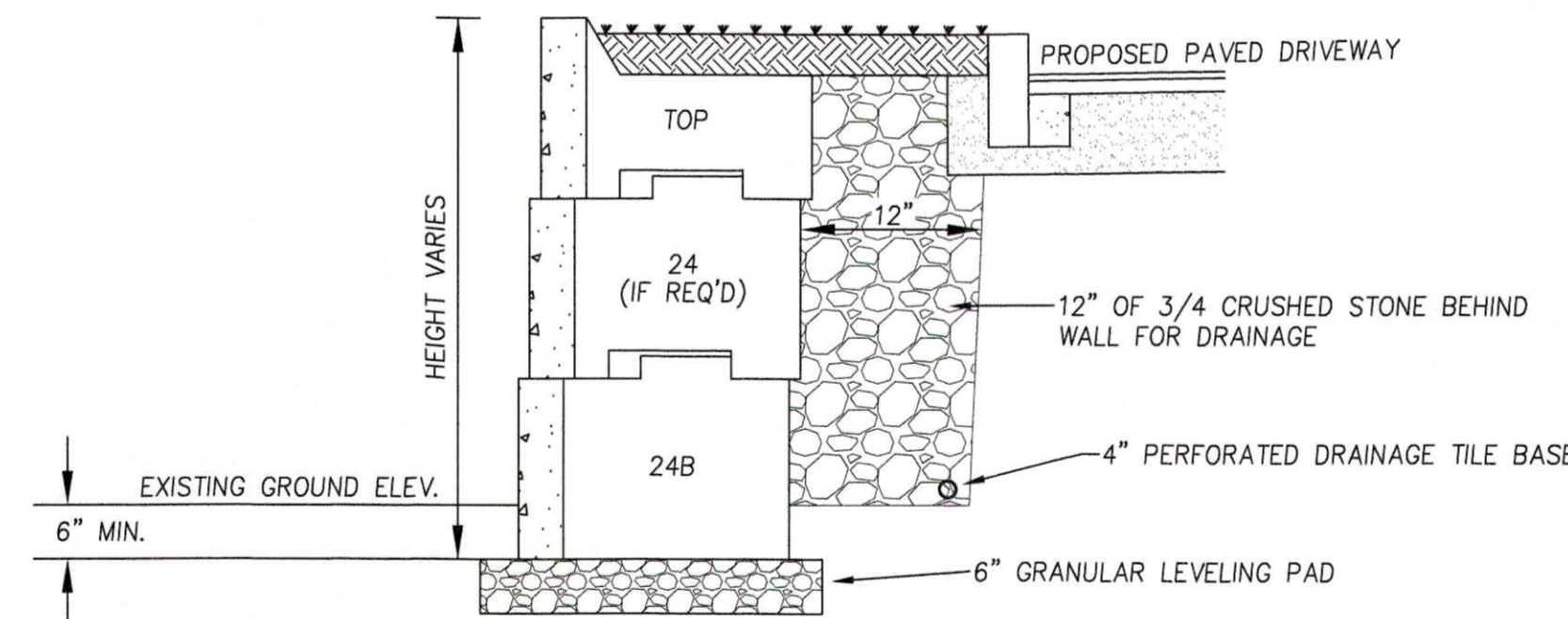
1. CONTECH SHALL PROVIDE ALL MATERIALS UNLESS NOTED OTHERWISE.
2. STORMCEPTOR WATER QUALITY STRUCTURE SHALL BE IN ACCORDANCE WITH ALL DESIGN DATA AND INFORMATION CONTAINED IN THIS DRAWING. CONTRACTOR TO CONFIRM STRUCTURE MEETS REQUIREMENTS OF PROJECT.
3. STORMCEPTOR STRUCTURE SHALL MEET AASHTO HS20 LOAD RATING, ASSUMING EARTH COVER OF 0' - 2' [610], AND GROUNDWATER ELEVATION AT, OR BELOW, THE OUTLET PIPE INVERT ELEVATION. ENGINEER OF RECORD TO CONFIRM ACTUAL GROUNDWATER ELEVATION. CASTINGS SHALL MEET AASHTO M306 AND BE CAST WITH THE CONTECH LOGO.
4. STORMCEPTOR STRUCTURE SHALL BE PRECAST CONCRETE CONFORMING TO ASTM C478 AND AASHTO LOAD FACTOR DESIGN METHOD.

INSTALLATION NOTES

1. ANY SUB-BASE, BACKFILL DEPTH, AND/OR ANTI-FLOTATION PROVISIONS ARE SITE-SPECIFIC DESIGN CONSIDERATIONS AND SHALL BE SPECIFIED BY ENGINEER OF RECORD.
2. CONTRACTOR TO PROVIDE EQUIPMENT WITH SUFFICIENT LIFTING AND REACH CAPACITY TO LIFT AND SET THE STORMCEPTOR MANHOLE STRUCTURE (LIFTING CLUTCHES PROVIDED).
3. CONTRACTOR TO INSTALL JOINT SEALANT BETWEEN ALL STRUCTURE SECTIONS, AND ASSEMBLE STRUCTURE.
4. CONTRACTOR TO PROVIDE, INSTALL, AND GROUT PIPES. MATCH PIPE INVERTS WITH ELEVATIONS SHOWN.
5. CONTRACTOR TO TAKE APPROPRIATE MEASURES TO ASSURE UNIT IS WATER TIGHT, HOLDING WATER TO FLOWLINE INVERT MINIMUM. IT IS SUGGESTED THAT ALL JOINTS BELOW PIPE INVERTS ARE GROUTED.



BUMPER CURBING
DETAIL N.T.S.



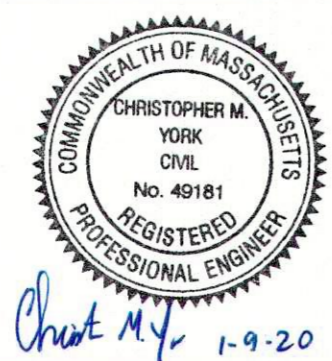
NOTE: PRIOR TO INSTALLATION CONTRACTOR SHALL PROVIDE A STRUCTURAL DESIGN OF THE WALL WHEN GREATER THAN 4' IN HEIGHT. DESIGN SHALL BE STAMPED AND SIGNED BY A STRUCTURAL ENGINEER CERTIFIED IN MASSACHUSETTS.

CONCRETE BLOCK
RETAINING WALL
(BY SHEA OR APPROVED EQUAL) N.T.S.

MATERIAL NOTES

ALL MATERIALS OF THE ELEMENTS IN THE SITE PLAN MUST CONFORM TO THE FOLLOWING STANDARDS:

1. COMMONWEALTH OF MASSACHUSETTS HIGHWAY DEPARTMENT STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES (LATEST EDITION)
2. 521 CMR RULES AND REGULATIONS OF THE ARCHITECTURAL ACCESS BOARD (AAB) AND THE AMERICANS WITH DISABILITIES ACT (ADA)
3. SPECIFICATIONS BY THE TOWN OF SALISBURY AS SET FORTH BY SECTION III IN THE PLANNING BOARD RULES AND REGULATIONS GOVERNING THE SUBDIVISION OF LAND, DATED MAY 1, 2012
4. UTILITIES INSTALLED PER SALISBURY DEPARTMENT OF PUBLIC WORKS SPECIFICATIONS



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LI REALTY TRUST
139 ELM STREET
SALISBURY, MA 01952

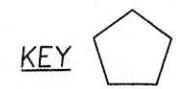


MILLENNIUM ENGINEERING, INC.
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PLAN OF LAND
IN
SALISBURY, MA
SHOWING
PROPOSED PARKING IMPROVEMENTS
AT
139 ELM STREET

SITE
DETAILS

SHEET: 4 OF 7



- 1.) 12" GRAVEL BORROW (MHD M1.03.0 TYPE B)
- 2.) SELECT MATERIAL OR GRAVEL BORROW PLACED AND COMPACTED IN 6" LIFTS.
- 3.) SAND MATERIAL SHALL BE GRADED SAND FREE FROM ORGANIC MATERIALS, GRADED SUCH THAT 100% PASSES A 0.5" SIEVE AND A MAXIMUM OF 15 PERCENT PASSES A #200 SIEVE.
- 4.) GRANULAR BEDDING, 6" IN DEPTH.
- 5.) HDPE WATERTIGHT NON-WOVEN GEOTEXTILE REQUIRED, WRAPPING TRENCH ONLY.

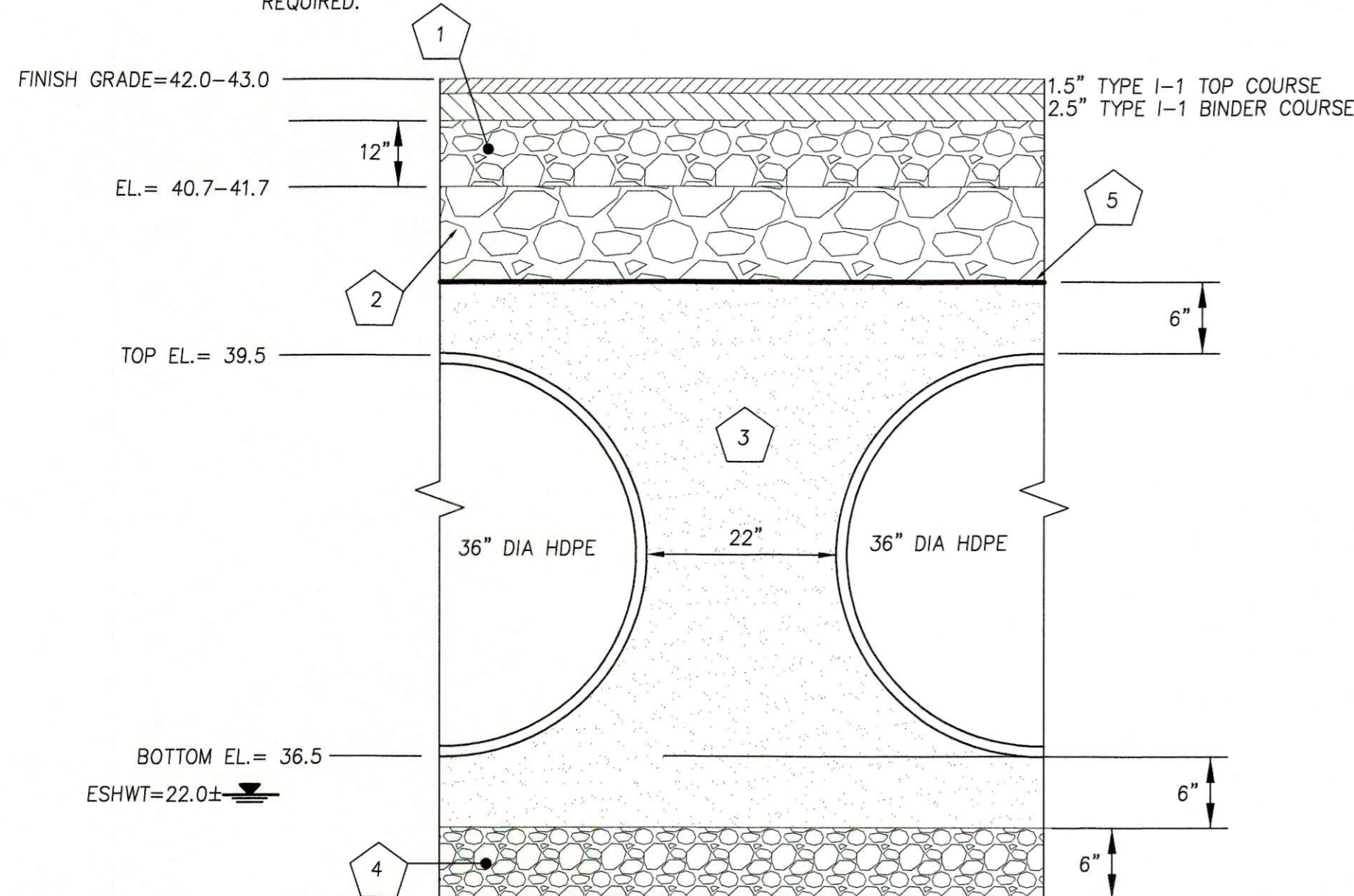
FOUNDATION/BEDDING PREPARATION

PRIOR TO PLACING THE BEDDING, THE FOUNDATION MUST BE CONSTRUCTED TO A UNIFORM AND STABLE GRADE. IN THE EVENT THAT UNSUITABLE FOUNDATION MATERIALS ARE ENCOUNTERED DURING EXCAVATION, THEY SHALL BE REMOVED AND BROUGHT BACK TO THE GRADE WITH A FILL MATERIAL AS APPROVED BY THE ENGINEER. ONCE THE FOUNDATION PREPARATION IS COMPLETE, THE 4 INCHES OF A WELL-GRADED GRANULAR MATERIAL SHALL BE PLACED AS THE BEDDING.

BACKFILL

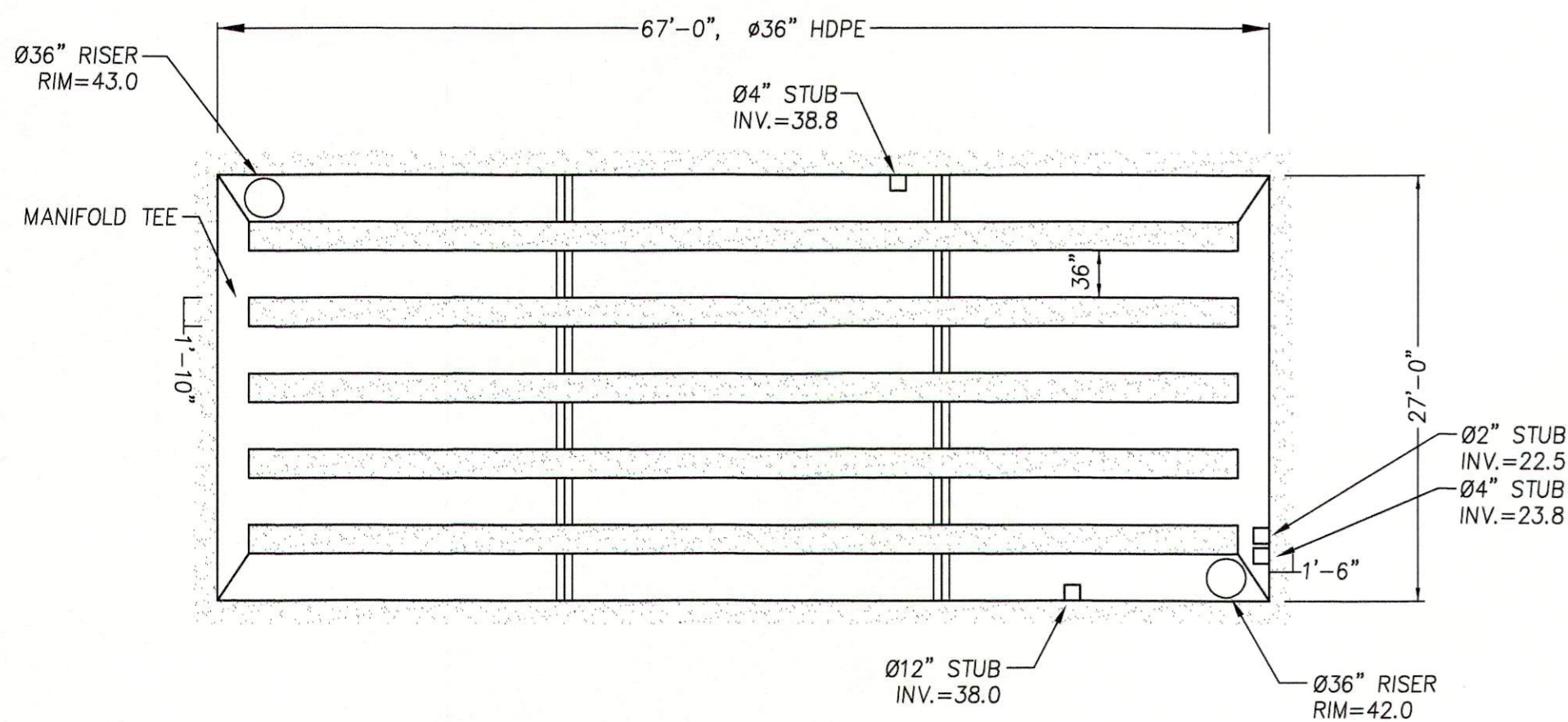
SAND MATERIAL SHALL BE GRADED SAND FREE FROM ORGANIC MATERIALS, GRADED SUCH THAT 100% PASSES A 0.5" SIEVE AND A MAXIMUM OF 15 PERCENT PASSES A #200 SIEVE. WHEN PLACING THE FIRST LIFTS OF BACKFILL IT IS IMPORTANT TO MAKE SURE THAT THE BACKFILL IS PROPERLY COMPACTED UNDER AND AROUND THE PIPE HAUNCHES. BACKFILL SHALL BE PLACED SUCH THAT THERE IS NO MORE THAN A TWO LIFT (16") DIFFERENTIAL BETWEEN ANY OF THE PIPES AT ANY TIME DURING THE BACKFILL PROCESS. THE BACKFILL SHALL BE ADVANCED ALONG THE LENGTH OF THE DETENTION SYSTEM AT THE SAME RATE TO AVOID DIFFERENTIAL LOADING ON THE PIPE.

OTHER ALTERNATE BACKFILL MATERIAL MAY BE ALLOWED DEPENDING ON SITE SPECIFIC CONDITIONS. REFER TO TYPICAL BACKFILL DETAIL FOR MATERIAL REQUIRED.



BACKFILL DETAIL

N.T.S.



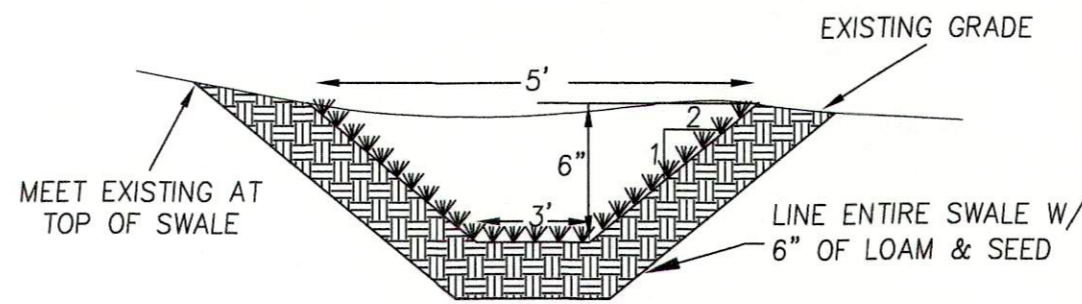
ASSEMBLY
DIAMETER = 36"
VOLUME: 2,842 C.F.
LOADING: H2O/H25
SYSTEM INV. = 36.5

TESTING NOTE:

HDPE PIPE SHALL BE TESTED AFTER OR DURING INSTALLATION TO ENSURE A SOUND INSTALLATION IS ACCOMPLISHED. JOINT TESTING FOR WATERTIGHTNESS SHALL BE CONDUCTED IN ACCORDANCE WITH ASTM F2487 STANDARD PRACTICE FOR INFILTRATION AND EXFILTRATION ACCEPTANCE TESTING OF INSTALLED CORRUGATED HIGH DENSITY POLYETHYLENE PIPELINES.

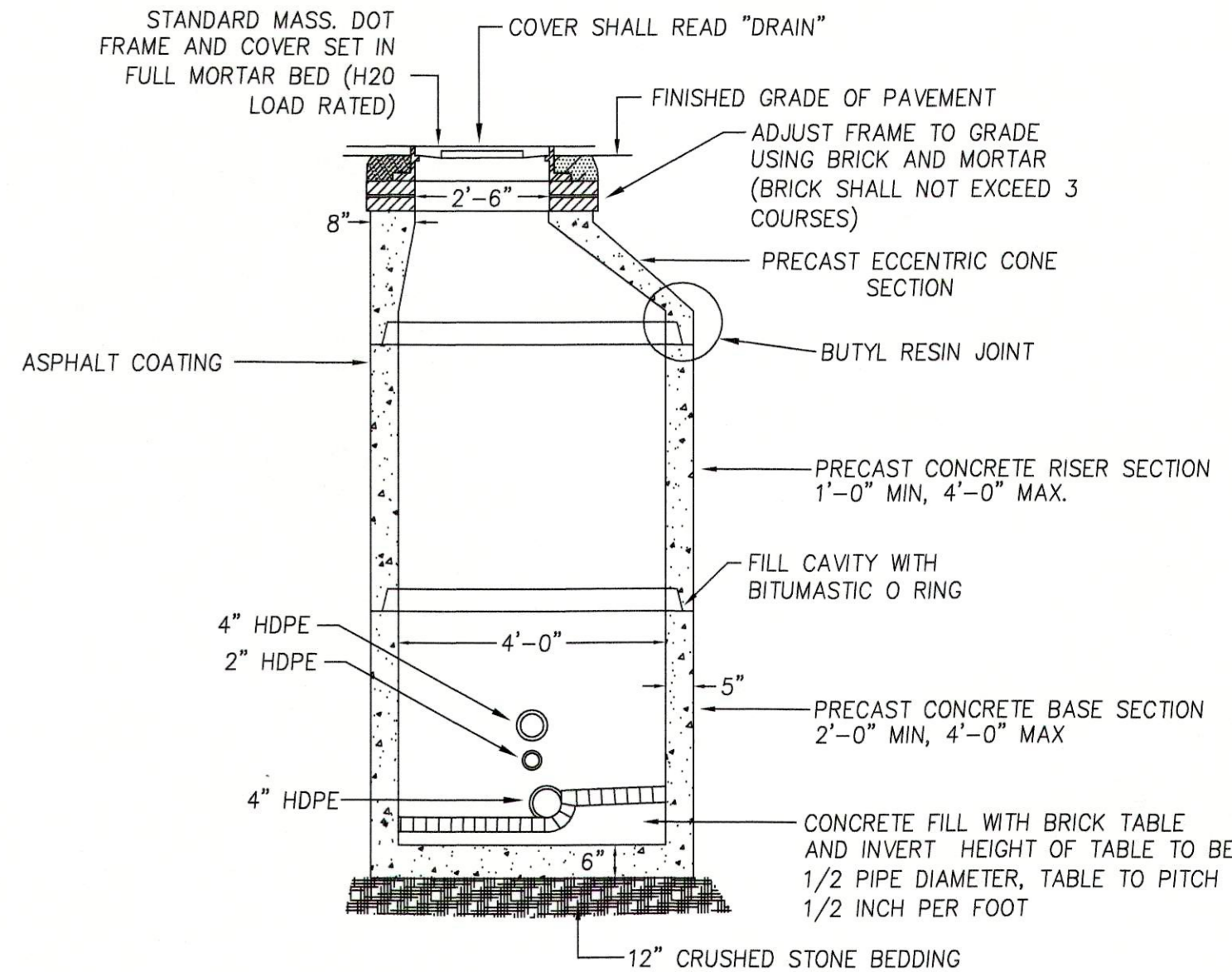
ADS UNDERGROUND DETENTION SYSTEM

1"=10'



GRASS CHANNEL DETAIL

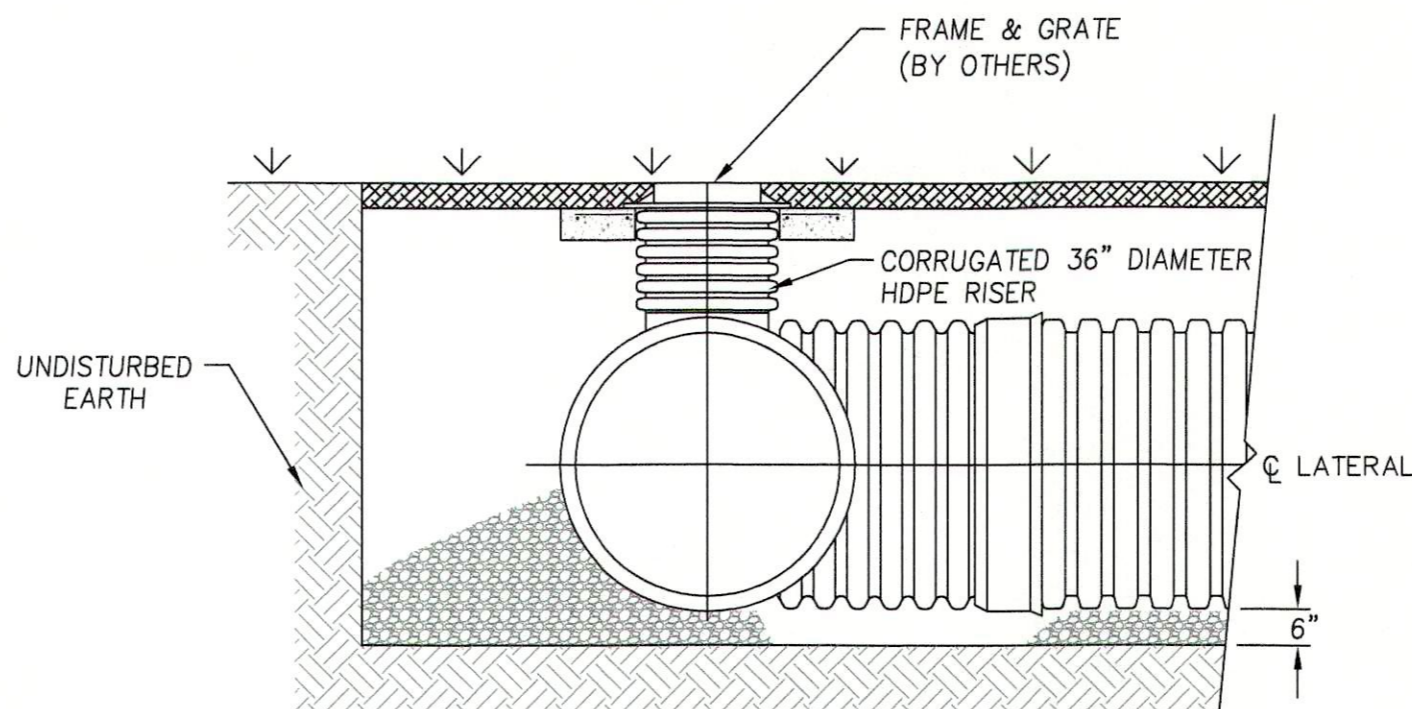
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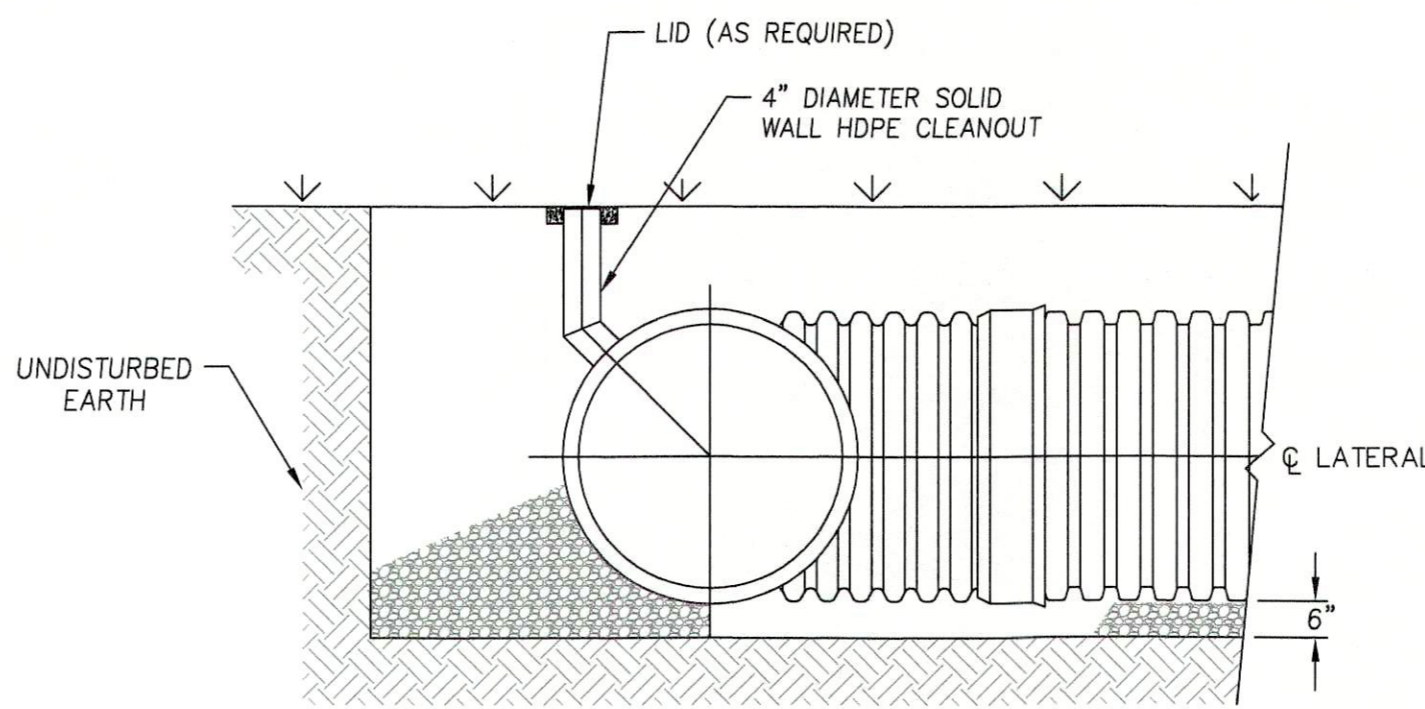
NOTES: 1) DRAIN MANHOLES SHALL CONFORM TO ASTM C478 AND ASTM C185

PRECAST DRAIN MANHOLE DETAIL

N.T.S.



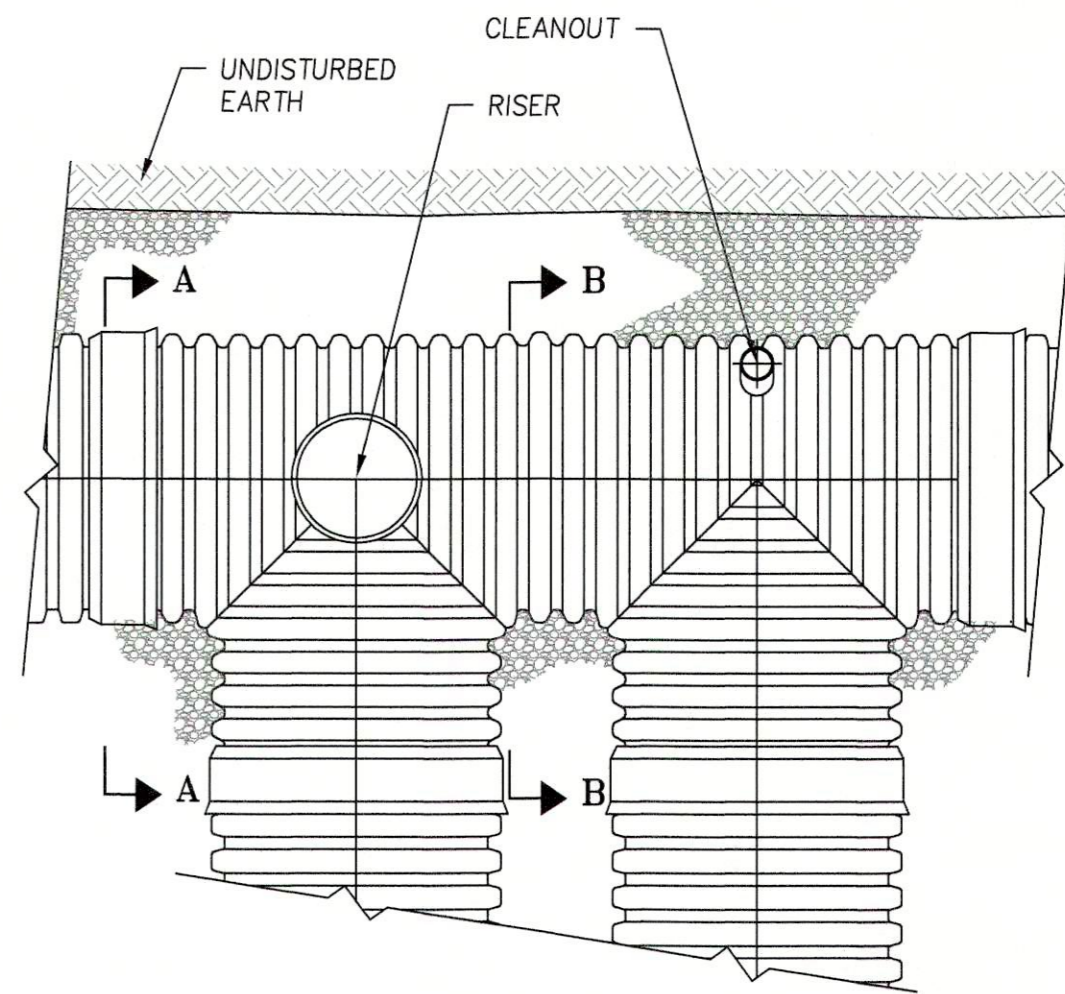
SECTION A-A



SECTION B-B

RISER/CLEANOUT DETAIL

N.T.S.



PLAN OF LAND

IN SALISBURY, MA

SHOWING
PROPOSED PARKING IMPROVEMENTS
AT
139 ELM STREET

DRAINAGE DETAILS

SHEET: 5 OF 7



PREPARED FOR

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139 ELM STREET
SALISBURY, MA 01952



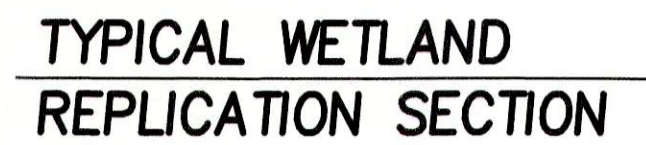
MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

NO.	DATE	DESCRIPTION	BY	SCALE: AS NOTED	DESIGN: BY: C.M.Y.	PROJECT: M193549
1	1/9/19	ADDRESS TOWN COMMENTS	C.M.Y.	DATE: AUG. 28, 2019	CHKD. BY: E.W.B.	

Common Name	Latin Name	comments	Quantity	Plant Size	Wetland Status
plant size based on availability – sizes based on New England Wetland Plants – typical.					
Winterberry	Ilex verticillata	Group in 6 or more, 5 to 7 feet on center	24	2-3'	FACW+
Holly	Cornus amomum	Plant 8 to 10 feet on center with tubelings planted 3 feet on center to fill in area around and between plants	18	3-4'	FACW
Dogwood	Cornus sericea	Plant 8 to 10 feet on center with tubelings planted 3 feet on center to fill in area around and between plants	18	3-4'	FACW+
Red-osier Dogwood	Cornus amomum	Plant 3 feet on center around larger of same species to create dense clusters	60*	tubelings	FACW
Silky Dogwood	Cornus sericea	Plant 3 feet on center around larger of same species to create dense clusters	60*	tubelings	FACW+
Wild Raisin	Viburnum cassinoides	Plant 4 to 6 feet on center	18*	3-4'	FACW
Highbush Blueberry	Vaccinium corymbosum	Plant 4 to 6 feet on center	18*	3-4'	FACW

**Species and sizes may be adjusted based on plant availability

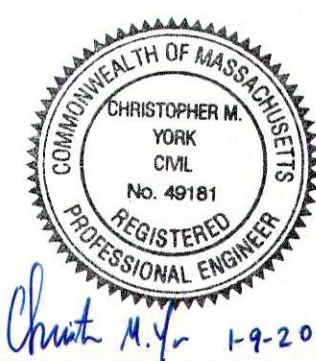
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V.T.S.

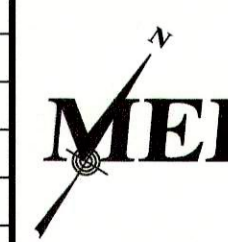
1. THE REPLACEMENT AREA SHALL MEET STRICT PERFORMANCE STANDARDS AS LISTED UNDER 310 CMR 10.55(4)(B). CONSTRUCTION OF THE WETLAND REPLACEMENT AREA SHALL BE PERFORMED IN CONFORMANCE WITH THE ORDER OF CONDITIONS ISSUED BY THE CONSERVATION COMMISSION.
2. WETLAND REPLACEMENT WORK SHALL BE SUPERVISED BY A WETLAND SCIENTIST APPROVED BY THE SALISBURY CONSERVATION COMMISSION OR ITS AGENT.
3. THESE STANDARDS HAVE BEEN SET IN ORDER TO PROTECT THE FUNCTIONS WHICH BORDERING VEGETATED WETLANDS AND BORDERING VEGETATED WETLANDS PROVIDE. THESE STANDARDS SHALL BE MET BY ADHERING TO THE FOLLOWING CONSTRUCTION SPECIFICATIONS.
4. A WETLAND SCIENTIST SHALL BE SCHEDULED WITH THE CONTRACTOR AND THE WETLAND SCIENTIST PRIOR TO SITE CONSTRUCTION TO REVIEW THE CONSTRUCTION METHODOLOGY. THIS WILL INCLUDE AREAS WITHIN THE APPROVED LIMIT OF WORK FOR HARVESTING SUITABLE SOIL MATERIAL AND DESIGNATED STORAGE AREAS FOR THAT SOIL MATERIAL.
5. AS REQUIRED IN THE ORDER OF CONDITIONS, ALL EROSION CONTROL MEASURES SHALL BE INSTALLED AND INSPECTED PRIOR TO THE START OF WORK AND THE LIMITS OF THE WETLAND REPLACEMENT AREA SHALL BE CLEARLY MARKED WITH WOODEN STAKES. EROSION CONTROL FENCING SPECIFIC TO THE REPLICATION AREA SHALL REMAIN IN PLACE UNTIL EXPOSED SOILS ARE VEGETATED AND STABLE. HAY BALES USED IN CONJUNCTION WITH THE PERIMETER CONTROL OR USED AS TEMPORARY STABILIZATION IN THE AREA OF THE REPLICATION AREA MUST BE FREE OF SEEDS.
6. "O" AND "A" LAYER SOILS FROM THE WETLAND FILL AREAS, AS WELL AS AREAS OF THE UPLAND AREA IN THE MEADOW AND AS DIRECTED BY THE WETLAND SCIENTIST WILL BE STRIPPED AND STOCKPILED FOR USE IN THE REPLICATION AREA.
7. THE WETLAND REPLACEMENT AREA INDICATED ON THE PLAN SHALL BE EXCAVATED TO THE INDICATED SUBGRADE (SEE WETLAND REPLICATION PROFILE) BEFORE THE REPLACEMENT AREA SOILS ARE PLACED. THE WETLAND SCIENTIST SHALL BE ON-SITE TO INSPECT THE WETLAND REPLACEMENT AREA DURING THE CONSTRUCTION PROCESS AND MAY ADJUST THE FINAL GRADES IN THE WETLAND REPLACEMENT AREA BASED ON OBSERVED HYDROLOGY. WETLAND SOILS SHALL NOT BE PLACED IN THE REPLICATION AREA UNTIL THE WETLAND SCIENTIST HAS AGREED THAT THE ROUGH GRADE HAS ESTABLISHED APPROPRIATE HYDROLOGY.
8. THE TRANSITION ZONE BETWEEN THE WETLAND REPLACEMENT AREA AND THE SURROUNDING UPLAND PLANT COMMUNITY SHALL BE GRADUALLY SLOPED TO THE WETLAND AND SHALLOWS. IT SHALL BE GRADED TO CREATE A SMOOTH TRANSITIONAL SLOPE BETWEEN THE WETLAND REPLACEMENT AREA AND THE UPLAND PLANT COMMUNITY.
9. SITE GRADES AND SLOPES SHALL BE CONSTRUCTED IN AGREEMENT WITH THE GRADING DETAILS SHOWN ON THE APPROVED SITE PLAN, WITH MINOR ADJUSTMENTS APPROVED IN THE FIELD BY THE WETLAND SCIENTIST.
10. STOCKPILED WETLAND OR SELECTED "O" AND "A" SOILS FROM THE MEADOW AREA SHALL BE PLACED IN THE ROUGH GRADED REPLACEMENT AREA TO ESTABLISH WETLAND SOILS BETWEEN 8 AND 12 INCHES IN DEPTH. ONSITE UPLAND SOILS MAY REQUIRE SUPPLEMENTARY DECOMPOSED LEAF LITTER OR OTHER APPROVED ORGANIC MATTER, TO PROVIDE A MINIMUM 25 % ORGANIC MATTER BY VOLUME. ANY EXISTING/IMPORTED WETLAND SOIL AND SOIL AMENDMENT MATERIAL SHALL BE INSPECTED BY THE WETLAND SCIENTIST FOR ANY OBVIOUS PRESENCE OF INVASIVE/EXOTIC SPECIES PRIOR TO TRANSLLOCATION TO THE SITE. IN THE EVENT OFFSITE SOILS ARE USED FOR THE WETLAND SOILS, IT SHALL CONTAIN 12-18 % ORGANIC CARBON BY DRY WEIGHT.
11. COARSE, WOODY DEBRIS SHALL BE ADDED THROUGHOUT THE REPLACEMENT WETLAND SURFACE AREA TO ACHIEVE COVERAGE OF AT LEAST 5%.
12. OPTIMAL PLANTING CONDITIONS OCCUR FROM APRIL 1 – MAY 15 IN THE SPRING AND SEPTEMBER 1 – OCTOBER 15. SEEDING AND PLANTING WILL OCCUR ONLY DURING THESE TIME PERIODS UNLESS APPROVED BY THE WETLAND SCIENTIST. WETLAND VEGETATION PLANTED IN THE WETLAND REPLACEMENT AREA MAY INCLUDE PLANTS SALVAGED FROM THE BORDERING VEGETATED WETLAND PROPOSED TO BE FILLED AND TRANSFERRED TO THE WETLAND REPLACEMENT AREA OR DEEMED SUITABLE BY THE WETLAND SCIENTIST. ADDITIONAL NATIVE SHRUBS WILL BE ADDED TO THE PLANTING AREA TO SUPPLEMENT THE SALVAGED MATERIAL AS IDENTIFIED IN THE PLANTING TABLE.
13. PROPOSED VEGETATION FOR WETLAND REPLICATION AREA. PLANTS SHALL BE PLANTED IN APPROXIMATED DENSITIES/SPACING AS IDENTIFIED IN THE TABLE, ALTHOUGH SHRUB SPECIES MAY BE CLUSTERED IN GROUPS OF 2/3 TO CREATED MORE NATURAL CONDITIONS.
14. PLANTS SHALL BE SOURCED FROM NEW ENGLAND WETLAND PLANTS, INC. OR EQUIVALENT.
15. A WETLAND SEED MIX SUCH AS NEW ENGLAND WETMIX BY NEW ENGLAND WETLAND PLANTS, INC., OR APPROVED EQUIVALENT, SHALL BE BROADCAST THROUGHOUT THE AREA AT AN APPLICATION RATE OF 1 LB PER 2,500 S.F. OR AS SPECIFIED BY THE MANUFACTURER, AND IT SHALL BE MULCHED WITH 1-2" THICK LAYER OF STRAW OR OTHER SUITABLE ORGANIC EQUIVALENT AND MAINTAINED UNTIL VEGETATION HAS BEEN ESTABLISHED.
16. UPLAND BUFFER ZONES DISTURBED AS A RESULT OF CONSTRUCTION OF THE WETLAND REPLICATION AREA SHALL BE RESEED WITH NATIVE GRASSES AND SODS AS APPROVED BY THE WETLAND SCIENTIST AND SEEDED WITH A NATIVE NEW ENGLAND CONSERVATION SEED MIX BY NEW ENGLAND WETLAND PLANTS, INC., OR APPROVED EQUIVALENT, AT AN APPLICATION RATE OF 1 LB PER 1,750 SF OR AS SPECIFIED BY THE MANUFACTURER, AND IT SHALL BE MULCHED WITH 1-2" THICK LAYER OF STRAW OR OTHER SUITABLE ORGANIC EQUIVALENT AND MAINTAINED UNTIL VEGETATION HAS BEEN ESTABLISHED.
17. THE WETLAND REPLICATION AREA SHALL BE INSPECTED MONTHLY BY THE WETLAND SCIENTIST UNTIL THE AREA IS 75% UNIFORMLY VEGETATED AND STABLE, AND UNTIL THE WETLAND SCIENTIST DETERMINES THAT THE RESTORATION AREA EROSION CONTROLS CAN BE REMOVED. INSPECTIONS CAN BE SUSPENDED DURING FROZEN CONDITIONS. UPON REACHING STABILITY, TWO ANNUAL INSPECTIONS SHALL BE MADE OF THE COMPLETED REPLACEMENT AREA BY THE WETLAND SCIENTIST IN COMPLIANCE WITH MASSACHUSETTS WETLAND REPLICATION GUIDELINES, MARCH, 2002 IN ORDER TO ASSESS THE SUCCESS OF THE WETLAND REPLICATION AREA.
18. DURING THE TWO ANNUAL INSPECTIONS OF THE REPLACEMENT WETLAND AREA, THE CONTRACTOR SHALL REMOVE BY HAND ALL INVASIVE PLANT SPECIES AS IDENTIFIED BY THE WETLAND SCIENTIST.

HORIZ. SCALE: 1"=10'



LI REALTY TRUST
139 ELM STREET
SALISBURY, MA 01952

1	1/9/19	ADDRESS TOWN COMMENTS	C.M.Y.
NO.	DATE	DESCRIPTION	BY



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: AS NOTED

DESG. BY: C.M.Y.

CHKD. BY: E.W.B.

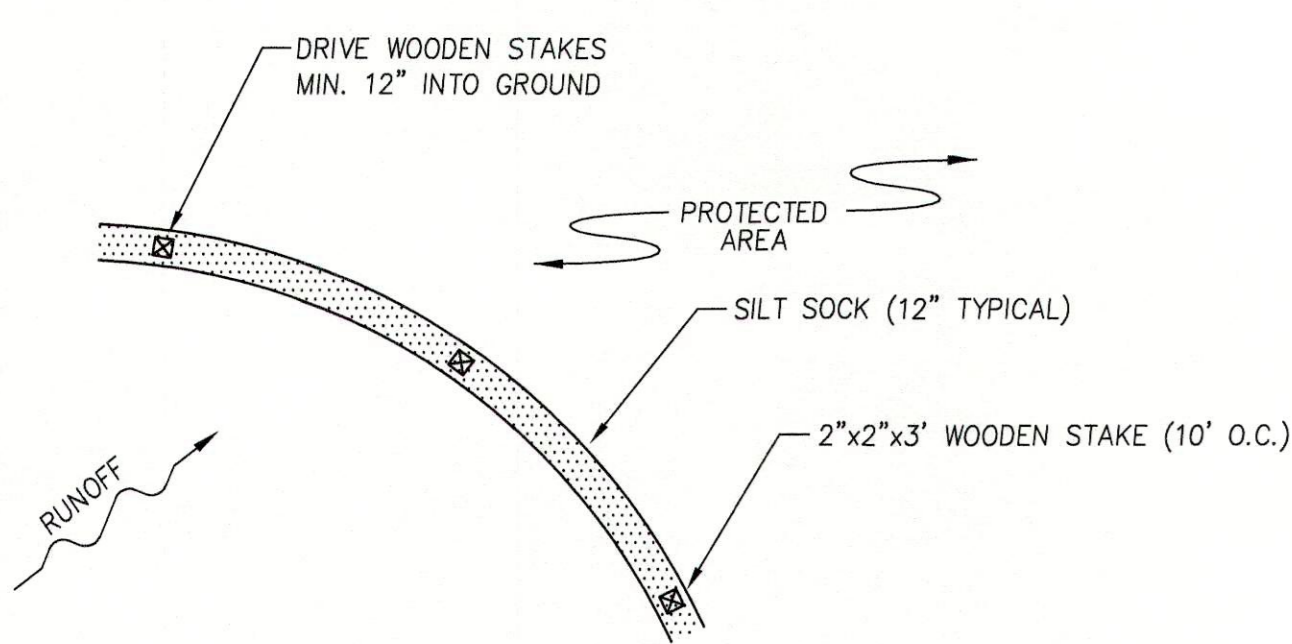
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PROJECT: M193549

SHOWING
PROPOSED PARKING IMPROVEMENTS

AT
139 ELM STREET

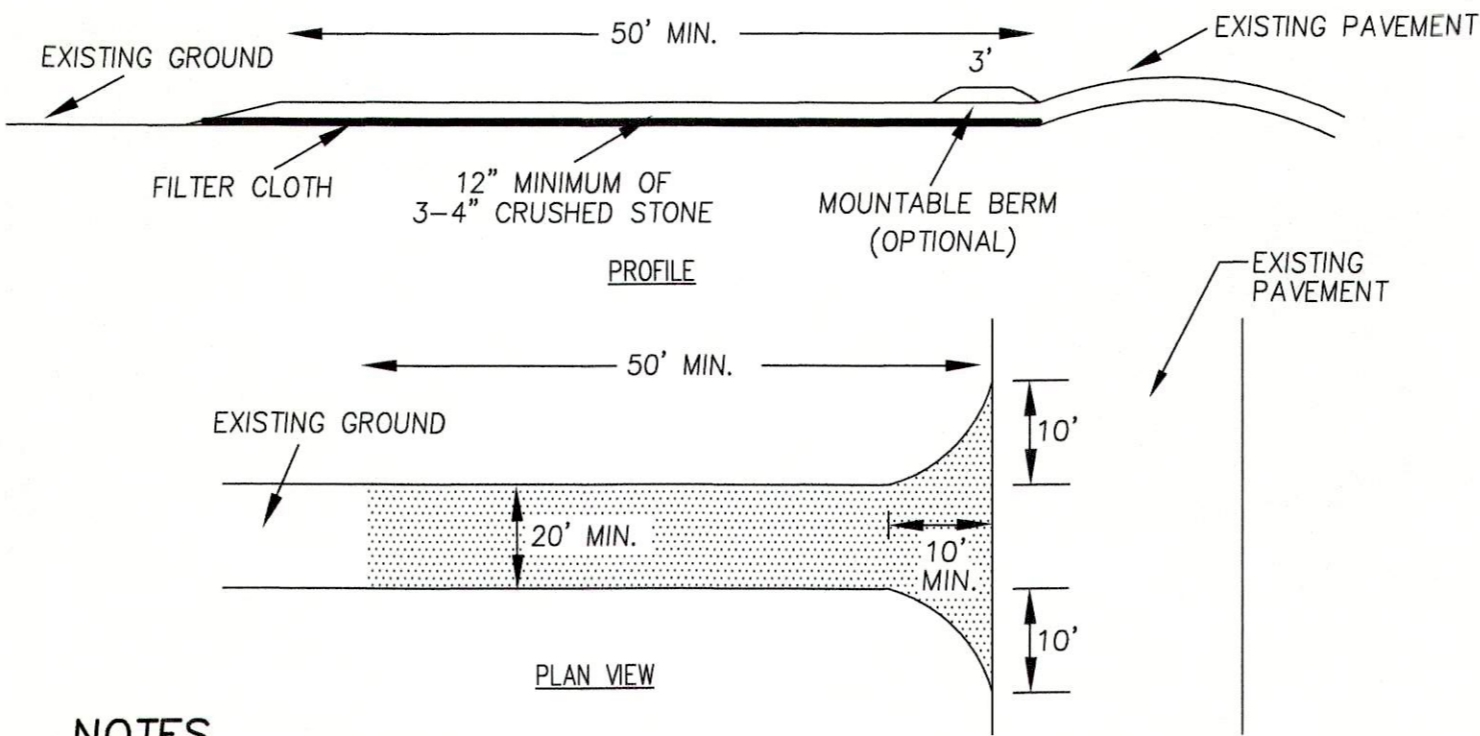
HEET: 6 OF 7



- NOTES**
- ALL MATERIAL SHALL MEET SPECIFICATIONS BY FILTREXX OR APPROVED EQUAL.
 - SILT SOCK SHALL BE INSPECTED WITHIN 24 HOURS AFTER EACH RAINFALL AND AT LEAST DAILY DURING PROLONGED RAINFALL. ANY REPAIRS THAT ARE REQUIRED SHALL BE MADE IMMEDIATELY.
 - THE CONTRACTOR SHALL REMOVE SEDIMENT AT THE BASE OF THE UPSLOPE SIDE OF THE SILT SOCK WHEN ACCUMULATION HAS REACHED 1/2 OF THE EFFECTIVE HEIGHT OF THE SILT SOCK.
 - SILT SOCK SHALL BE MAINTAINED UNTIL DISTURBED AREA ABOVE THE DEVICE HAS BEEN PERMANENTLY STABILIZED AND CONSTRUCTION ACTIVITY HAS BEEN COMPLETED.
 - SEDIMENT DEPOSITS THAT ARE REMOVED OR LEFT IN PLACE AFTER THE SOCK HAS BEEN REMOVED SHALL BE GRADED TO CONFORM WITH THE EXISTING TOPOGRAPHY AND VEGETATED.

**SILT SOCK
INSTALLATION**

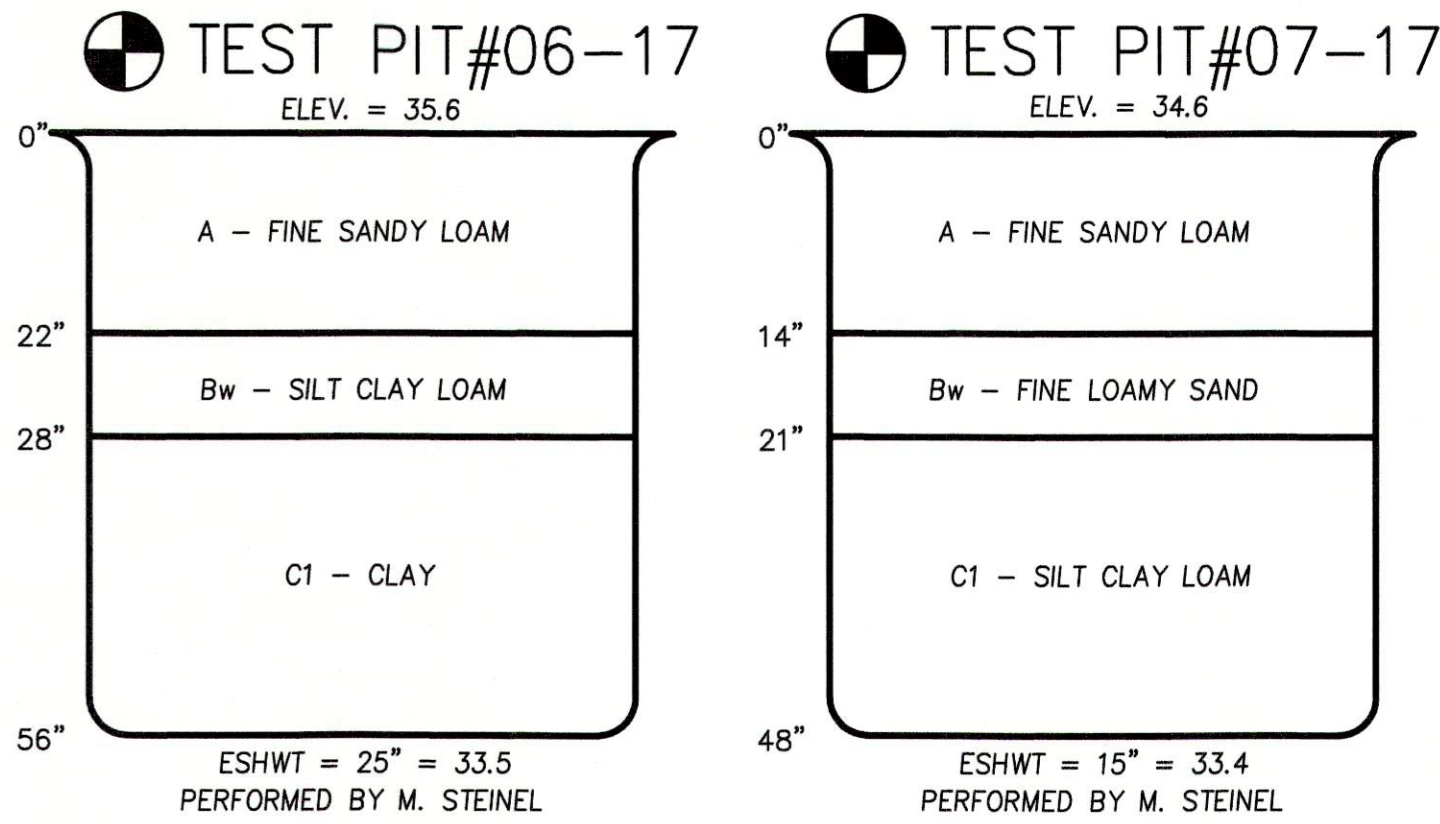
N.T.S.



- 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.



SOILS LOGS

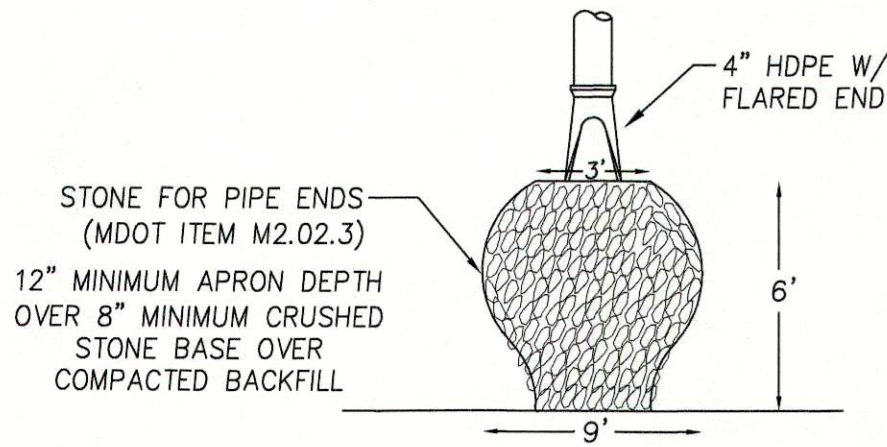
N.T.S.

**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.
- 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 SALISBURY 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.
- PROVIDE GRAVEL AND WIRE MESH SEDIMENT FILTER AT ALL CATCH BASINS.
- A MINIMUM OF 6" OF LOAM SHALL BE INSTALLED ON ALL DISTURBED UNPAVED SURFACES.
- PERMANENT SEED MIX SHALL BE MA STATE SLOPE MIXTURE (50% CREEPING RED FESCUE, 30% KENTUCKY 31 TALL FESCUE, 10% ANNUAL RYEGRASS, 5% RED TOP, 5% LADINO CLOVER) AND MA STATE PLOT MIXTURE (50% CREEPING RED FESCUE, 25% 85/80 KENTUCKY BLUEGRASS, 10% ANNUAL RYEGRASS, 10% RED TOP, 5% LADINO CLOVER).
- NO MORE THAN 1 ACRE SHALL BE DISTURBED AT ONE TIME. ALL AREAS SHALL BE STABILIZED WITHIN 45 DAYS OF INITIAL DISTURBANCE.
- WHERE PLACEMENT OF FILL IS REQUIRED FOR STORM WATER CONTROL, FILL SHALL BE PLACED IN AN UNFROZEN STATE UPON UNFROZEN GROUND. UNDER NO CIRCUMSTANCES SHALL FILL BE PLACED FROM NOVEMBER THROUGH JANUARY.

**CONSTRUCTION
SEQUENCE**

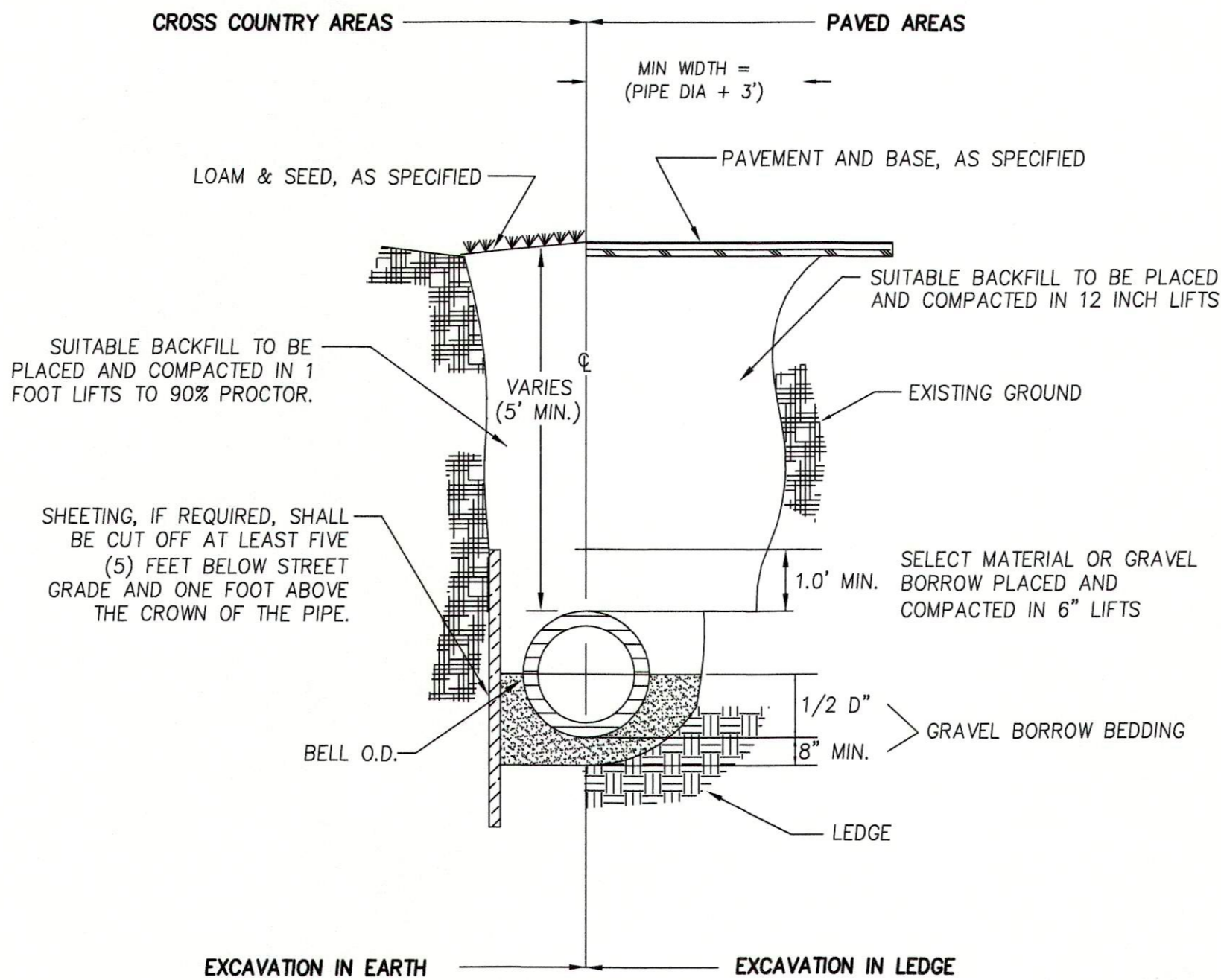
- INSTALL EROSION CONTROL AT LIMIT OF WORK.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE IF REQUIRED.
- CLEAR AND GRUB DEBRIS AND DISPOSE OF PROPERLY.
- STRIP, SCREEN AND STOCKPILE TOPSOIL. TOPSOIL CAN BE TEMPORARILY STOCKPILED ON SITE PROVIDING THAT THE PERIMETER OF THE STOCKPILES ARE PROPERLY STAKED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



NOTE: GEOSYNTHETIC EROSION CONTROL MAT SHALL BE UNDER ALL RIP-RAP

**TYPICAL RIP-RAP
APRON DETAIL**

N.T.S.



**TYPICAL TRENCH
DETAIL**

N.T.S.



PREPARED FOR

LI REALTY TRUST
139 ELM STREET
SALISBURY, MA 01952

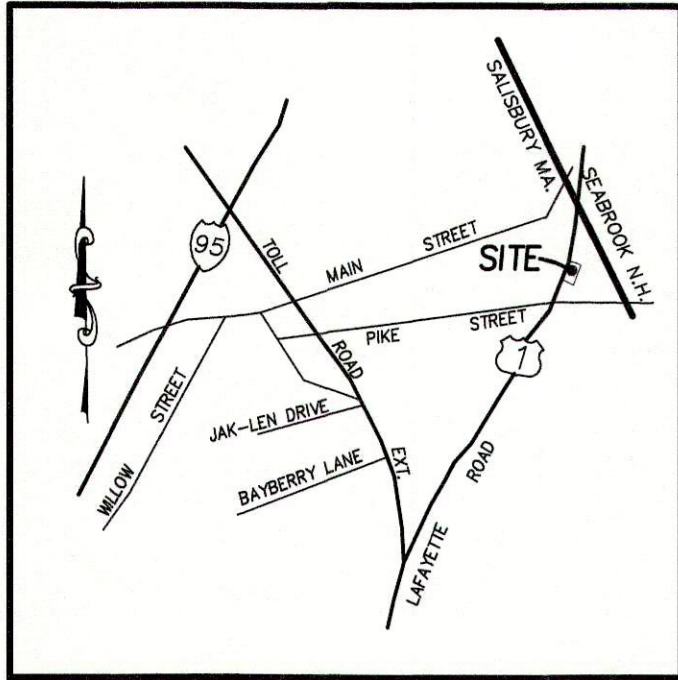


MILLENNIUM ENGINEERING, INC.
ENGINEERING AND LAND SURVEYING
62 ELM ST. SALISBURY, MA 01952 (978) 463-8980
13 HAMPTON RD. EXETER, NH 03833 (603) 778-0528

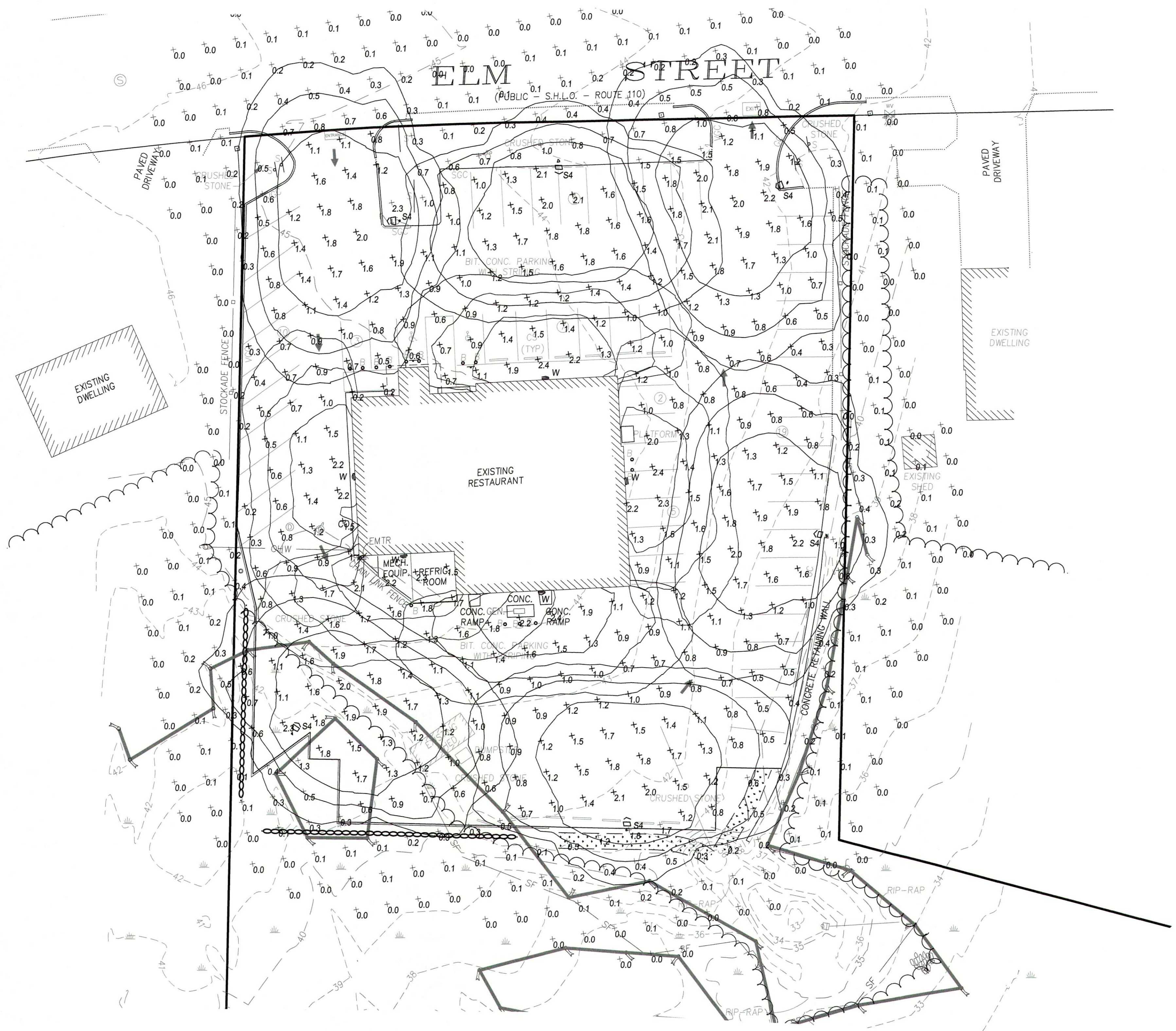
PLAN OF LAND
IN
SALISBURY, MA
SHOWING
PROPOSED PARKING IMPROVEMENTS
AT
139 ELM STREET

**EROSION
CONTROL
DETAILS**

SHEET: 7 OF 7



LOCUS MAP
N.T.S.



Schedule											
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Filename	Lumens Per Lamp	Light Loss Factor	Wattage
	S4	6	Lithonia Lighting	DSX0 LED P3 40K TFTM MVOLT HS SPA DDBXD with SSS 20 4C DM19AS DDBXD	DSX0 LED Area Fixture with houseside shield; mounted at 20ft	LED	1	DSX0_LED_P3_40K_TFTM_MVO LT_HS.ies	6595	0.9	71
	W	5	Lithonia Lighting	DSXW1 LED 10C 1000 40K T3M MVOLT DDBXD	DSXW1 LED WITH (1) 10 LED LIGHT ENGINES, TYPE T3M OPTIC, 4000K, @ 1000mA.	LED	1	DSXW1_LED_10 C_1000_40K_T3 M_MVOLT.ies	3873	0.9	38.8

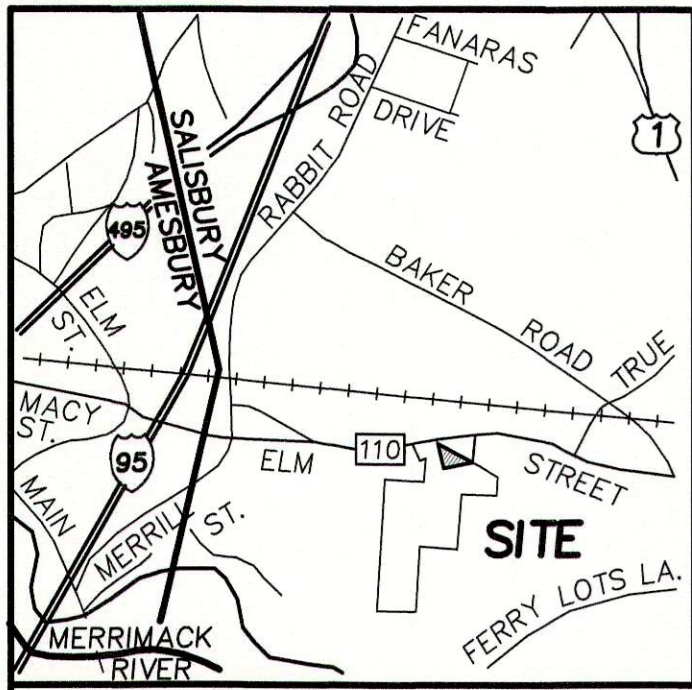
Statistics

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
Outside of Parking Lot	+	0.1 fc	2.3 fc	0.0 fc	N/A	N/A
Parking Lot	+	1.3 fc	2.4 fc	0.2 fc	12.0:1	6.5:1

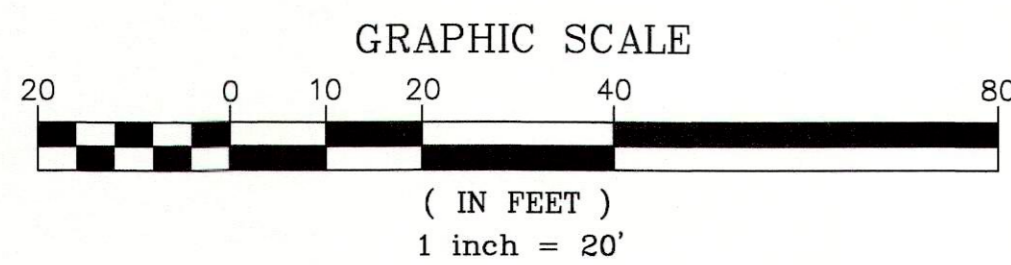
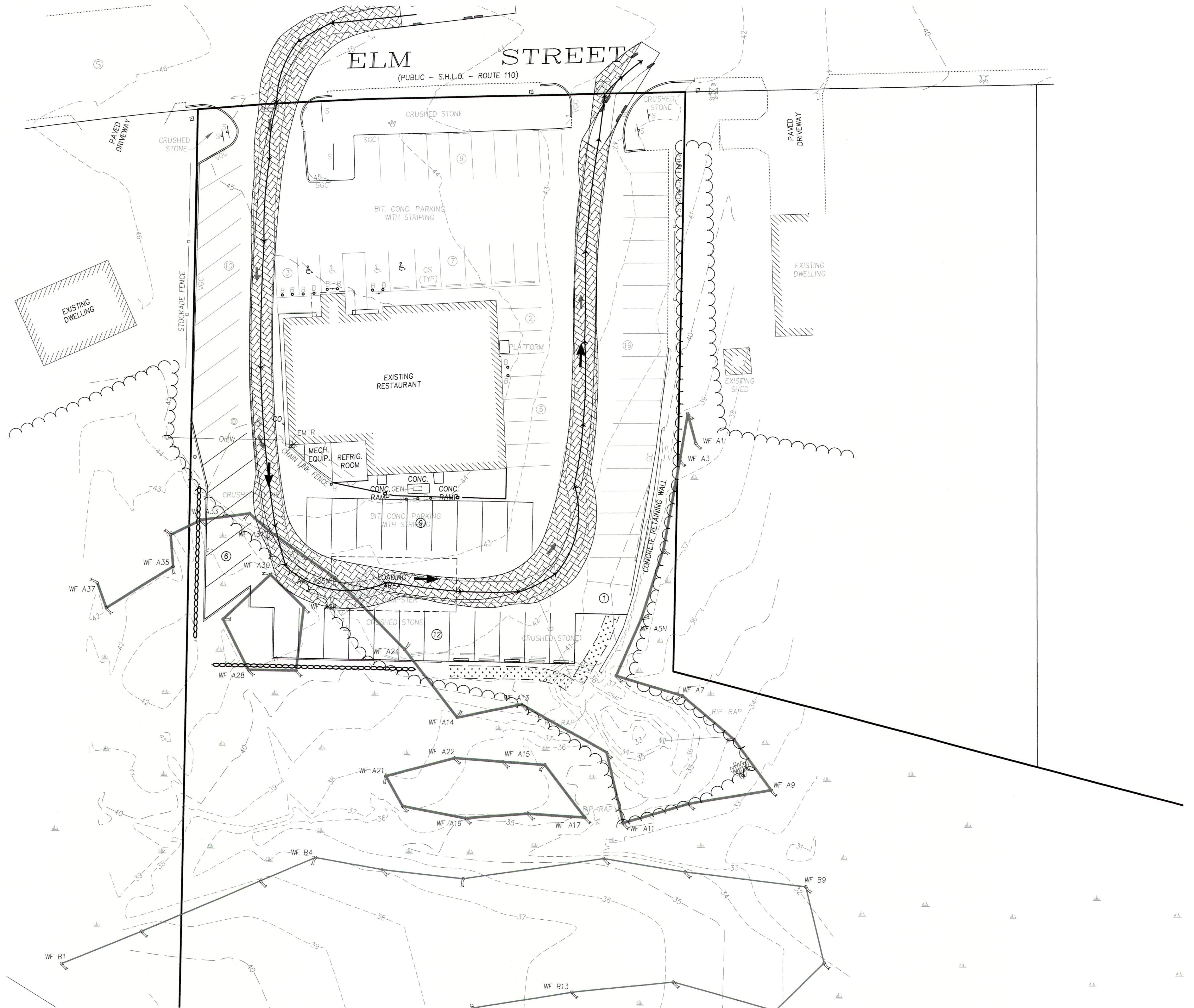


Site Lighting Layout
At
139 ELM STREET

Designer
Heidi G. Connors Visible Light, Inc. 24 Stickney Terrace Suite 6 Hampton, NH 03842
Date
10/23/2019
Scale
1"=20'
Drawing No.
Summary



LOCUS MAP
N.T.S.



PREPARED FOR
LI REALTY TRUST
139 ELM STREET
SALISBURY, MA 01952

NO.	DATE	DESCRIPTION	BY
1	1/9/19	ADDRESS TOWN COMMENTS	C.M.Y.

MEI 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"=20'	DESIG. BY: C.M.Y.	PROJECT: M193549
		DATE: AUG. 28, 2019	CHKD. BY: E.W.B.	

PLAN OF LAND
IN
SALISBURY, MA
SHOWING
PROPOSED PARKING IMPROVEMENTS
AT
139 ELM STREET

FIRE TRUCK
MOVEMENT
PLAN
SHEET: F-1