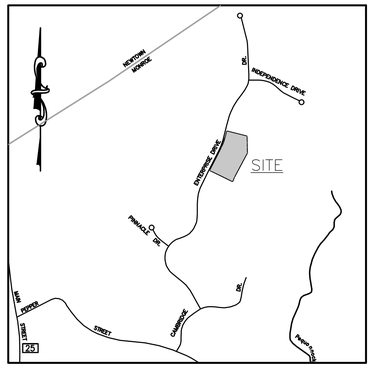
SITE IMPROVEMENTS

MONROE, CONNECTICUT

98 ENTERPRISE DRIVE



LOCATION MAP
SCALE: 1"=1000'

CONTENTS:

Prepared By:

J. EDWARDS & ASSOCIATES, LLC
Engineering and Surveying
227 Stepney Road
Easton, CT. 06612
(203)-268-4205
www.jedwardsassoc.com

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OR AFFIXED WITH THE LIVE STAMP OF THE SIGNATORY.

_____
LARRY EDWARDS, P.E. No. 10937

OCTOBER 1, 2017

#	DATE	DESCRIPTION
1	11/1/17	BUILDING LOC.
2	1/15/18	WETLAND APP
3	2/27/18	WETLAND COMMENTS
4	3/26/18	WETLAND COMMENTS
5	5/22/18	WETLAND APPROVAL
6	7/12/18	T.E. COMMENTS
7	11/28/18	BUILDING SIZE
8	10/3/19	zoning comments
9	12/16/19	MISC.
10	2/26/20	MISC.
11	4/9/20	engineering comm.

NOTES:

1. THIS SURVEY AND MAP HAS BEEN PREPARED IN ACCORDANCE WITH THE SECTIONS 20-300B-1 THROUGH 20-300B-20 OF THE REGULATIONS OF CONNECTICUT STATE AGENCIES – "MINIMUM STANDARDS FOR SURVEY AND MAPS IN THE STATE OF CONNECTICUT" AS ENDORSED BY THE CONNECTICUT ASSOCIATION OF LAND SURVEYORS, INC. IT IS AN IMPROVEMENT LOCATION SURVEY BASED UPON A DEPENDENT RESURVEY AND CONFORMS TO HORIZONTAL ACCURACY CLASS A-2 AND VERTICAL ACCURACY CLASS T-2. ERROR OF CLOSURE EXCEEDS 1'/5000'

2. REFERENCE IS MADE TO THE FOLLOWING MAPS ON FILE IN THE MONROE TOWN CLERK'S OFFICE:

   A. "SUBDIVISION MAP, SECTION 2, PREPARED FOR MONROE LAND HOLDING LLC, MONROE CINNECTICUT, SCALE: 1" =100', DATED MARCH 22, 2005, REVISED JUNE 7, 2005" AND FILED IN THE TOWN CLERKS OFFICE AS MAP #2883

3. THE PARCEL IS LOCATED IN ZONE I-2.
   TOTAL AREA = 4.74 ac

4. THE LOCATION OF UNDERGROUND UTILITIES, IF ANY, IS UNKNOWN

5. PLAN PREPARED FOR ENTERPRISE DRIVE LLC

6. LOT CORNER MARKERS DEPICTED HEREON WERE FOUND AND/OR SET DURING COMPLETION OF THIS SURVEY.

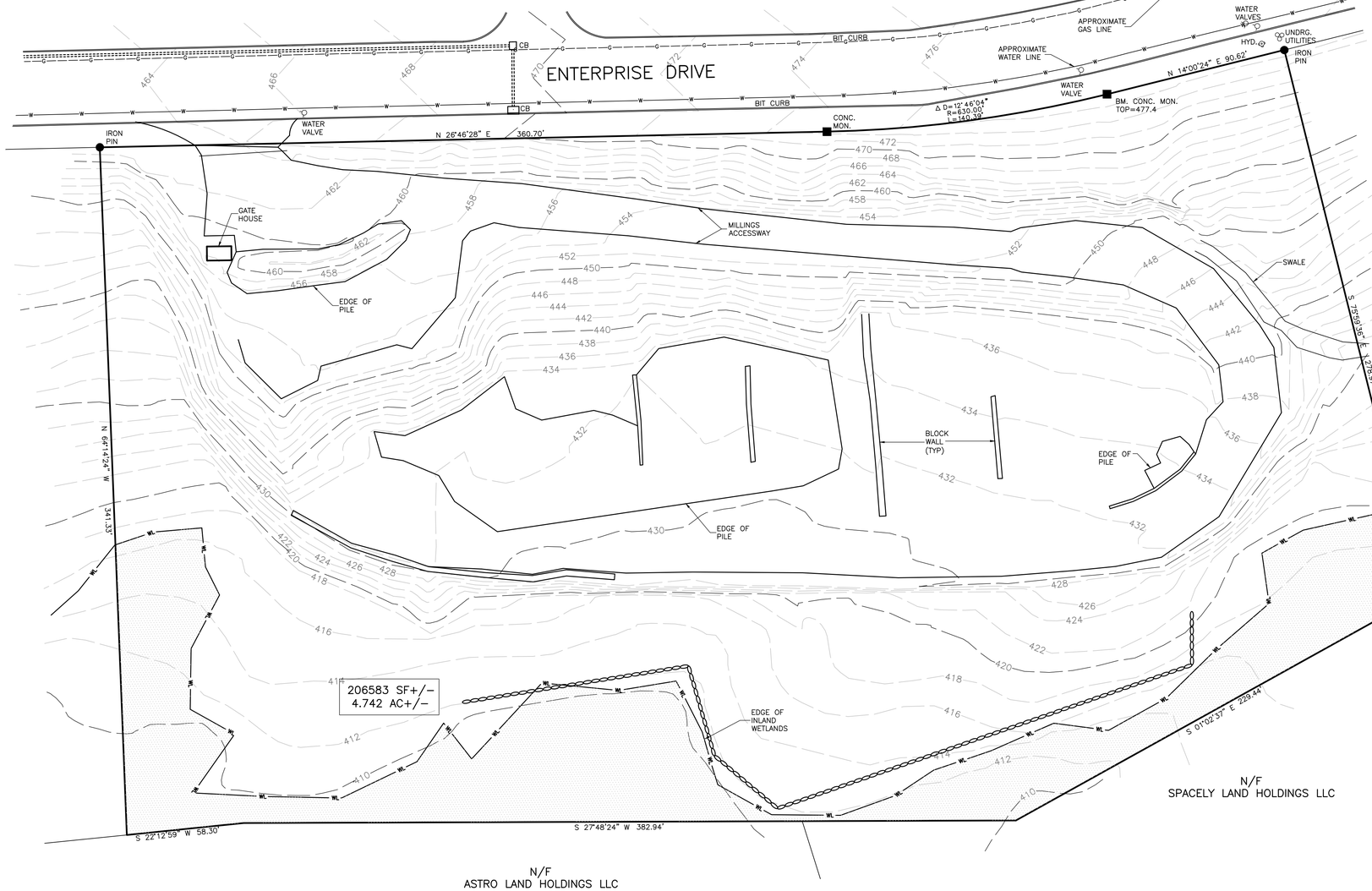
7. BEARING BASED ON RECORD MAP 2883.

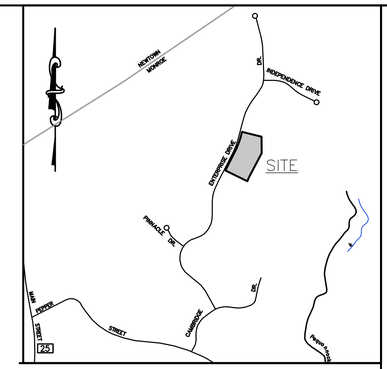
8. CERTIFICATION OF THIS MAP APPLIES TO CONDITIONS AS OF THE ORIGINAL DATE OR REVISED DATE DEPICTED HEREON. EXISTING CONDITIONS ON THIS PROPERTY MAY HAVE CHANGED SINCE THAT DATE AND AN UPDATED SURVEY IS RECOMMENDED TO ACCURATELY DEPICT THE CURRENT CONDITIONS.

9. WETLAND SOILS SHOWN HEREON ARE BASED ON SUBDIVISION MAP REFERENCED IN NOTE 2A ABOVE

10. ALL UTILITIES TO BE BURIED UNDER GROUND.

11. FIELD SURVEY CONDUCTED 02-20-2018





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JASON EDWARDS, L.S. No. 70308

0 30' 60' 90'

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98 ENTERPRISE DRIVE
MONROE, CONNECTICUT

REVISIONS

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11	4/9/20	engineering comm.

DATE: OCTOBER 1, 2017
PROJECT #: 2133
DRAWING FILE: SITE PLAN
DRAWN BY: LE
SCALE: 1"=30'

TITLE

EXISTING CONDITIONS SURVEY

SHEET NUMBER

EC-1

NOTES:

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6. LOT CORNER MARKERS DEPICTED HEREON WERE FOUND AND/OR SET DURING COMPLETION OF THIS SURVEY.
7. BEARING BASED ON CT STATE PLANE COORDINATES, NAD83
8. CERTIFICATION OF THIS MAP APPLIES TO CONDITIONS AS OF THE ORIGINAL DATE OR REVISED DATE DEPICTED HEREON. EXISTING CONDITIONS ON THIS PROPERTY MAY HAVE CHANGED SINCE THAT DATE AND AN UPDATED SURVEY IS RECOMMENDED TO ACCURATELY DEPICT THE CURRENT CONDITIONS.
9. WETLAND SOILS SHOWN HEREON ARE BASED ON SUBDIVISION MAP REFERENCED IN NOTE 2A ABOVE
10. ALL UTILITIES TO BE BURIED UNDER GROUND.
11. ALL DRIVEWAYS, PARKING OR STORAGE AREAS SHOWN ON THE PLAN SHALL BE SURFACED WITH ASPHALT PAVING PER DETAIL PROVIDED.
12. TREES AND STUMPS IN PROPOSED SEPTIC AREA SHALL BE REMOVED.

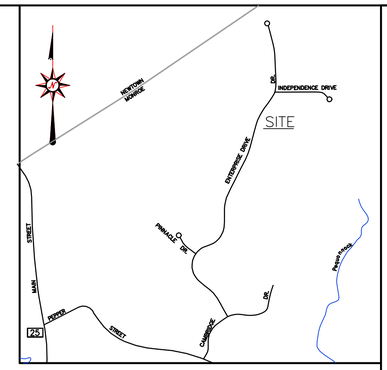
PARKING REQUIREMENTS

PROPOSED USE: CONSTRUCTION COMPANY, AS PER ZBA FILE #1793
OTHER PERMITTED USE: COMMERCIAL WAREHOUSING

REQUIRED SPACES:
CONSTRUCTION COMPANY = 16 SPACES PLUS 2 FACILITY VEHICLE SPACES
COMMERCIAL WAREHOUSING = 8 SPACES

TOTAL PROVIDED SPACES = 24 PARKING SPACES PLUS 3 FACILITY VEHICLE SPACES

H.C. ACCESSIBLE SPACES REQUIRED PER ADA REQUIREMENTS = 1 VAN, 2 TOTAL
H.C. ACCESSIBLE SPACES PROVIDED = 1 VAN, 2 TOTAL



LOCATION MAP
SCALE: 1"=1000'

BENCHMARK
EXISTING CATCHBASIN
TF =449.0

FREE STANDING SIGN IN 800 SF PLANTED LANDSCAPE AREA PER ZONING REGULATIONS 6.3.7-A-3-e

CB#3 C-TOP
TF =441.2
12" INV'S =438.2

CB#2 C-TOP
TF =441.3
12" INV =438.0

CB#1 CL-TOP
TF =446.0
12" INV =443.0

ENTERPRISE DRIVE

N 26°46'28" E 360.70'

71.2'±

Δ D=12°46'04"
R=630.00'
L=140.39

N 14°00'24" E 99.62'

53.5'±

8% MAX DRIVEWAY GRADE

ASPHALT CURBING (TYP)

MODULAR CONC. RETAINING WALL

10LF 12" HDPE @ 1.0%

TOP FOUNDATION WALL =452.0

SCREENED DUMPSTER CONC. PAD

PROPOSED 150'x60' BUILDING
1ST FLOOR =433.5 (9000sf)

PARKING SPACE FOR FACILITY VEHICLE ONLY

DUMPSTER ACCESS LANE NO PARKING

N/F
M & J VIDEIRA LLC

2 PARKING SPACES FOR FACILITY VEHICLES ONLY

N/F
MARY INFANTE

BREAK IN WALL ACCESS TO PATH

GRAVEL MAINTENANCE PATH

1440sf BULK MATERIAL STORAGE AREA
SEE LIST OF MATERIALS

NEW CONCRETE BLOCK WALL (TYP)

CB#4 C-TOP
TF =435.0
12" INV'S =432.0

GUIDE RAIL (TYP)

EXISTING BLOCK WALL TO BE REMOVED

NEW CONCRETE BLOCK WALL

4' DOWNSTREAM DEFENDER VORTEX SEPARATOR OR APPROVED EQUAL
TF =429.8
18" IN =423.8
18" OUT =424.8

CB#7 DOUBLE C-TOP
W/ HOODED TRAP
TF =429.5
18" IN =424.0
18" OUT =417.0

CB#6 C-TOP
TF =431.5
12" IN =426.0(W)
12" IN =426.0(N)
18" OUT =425.5

SU-30 TRUCK TURNING PATH

CB#5 DOUBLE C-TOP
TF =431.0
12" IN =429.0

EXISTING BLOCK WALL TO BE REMAIN

PROPOSED ASPHALT CURBING

107' 15" HDPE @ 1.0%

137' 12" TIGHT JOINTED HDPE @ 1.5%

EXISTING BOULDER SLOPE TO REMAIN

EMERGENCY OVERFLOW SPILLWAY

PLANTING BUFFER
12 Aa
12 CO
12 CL

FOREBAY OUTLET

TOP BERM WIDTH =5'

EXISTING BOULDER WALL TO BE GRADED OVER

WATER QUALITY BASIN
FOREBAY
BOTTOM =412.0
OUTLET =413.5
TOP BERM =414.5
FOREBAY VOL =1940cf (WQV)

FE #8
18" INV =414.0

40LF 18" HDPE/@6.7%

5'X5' RIP RAP SPLASH PAD

30LF 24" HDPE @1.0%

FE#10 24"INV =411.0

10' OUTLET SPREADER LIP

S 22°12'59" W 58.30'

S 27°48'24" W 382.94'

S 67°02'37" E 229.44'

EXIST. STONEWALL TO REMAIN

N/F
NEW ENGLAND MATERIALS LLC

MAIN BASIN
BOTTOM =412.0
14" OUTLET =413.5
OVERFLOW OUTLET =415.2
EMERGENCY SPILLWAY OVERFLOW =415.5
TOP BERM =417.0
24" STRUCTURE OUTLET =411.3
TOTAL VOL TO OUTLET =15,450cf
MAIN BASIN WQ VOLUME =6312cf

PROPOSED WETLAND MARKER (TYP)
TO BE SET 8' OFF THE LIMIT OF DISTURBANCE
LINE AT 75' INTERVALS (LOD)

PLANTING BUFFER

N/F
NEW ENGLAND MATERIALS LLC

PROPOSED SEPTIC SYSTEM
60LF CULTEC CONTRACTOR 100 w/PSD

TREES AND STUMPS IN SEPTIC AREA TO BE REMOVED AND DISPOSED OF AT APPROVED OFF SITE LOCATION

INFILTRATION SYSTEM FOR ROOF RUNOFF
112' OF 2'HX4'W CONCRETE GALLERIES
BOTTOM STONE BED =429.0
BOTTOM OF UNITS =429.5
6" OUTLET =430.6

N/F
NEW ENGLAND MATERIALS LLC

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 520.2 EXISTING SPOT ELEVATION
- 520.2 x PROPOSED SPOT ELEVATION
- PROPOSED DRAINAGE
- W WATER SERVICE
- G GAS LINE
- SIGN
- MAILBOX
- WL WETLANDS LIMIT
- URA WETLANDS UPLAND REVIEW AREA
- 25 INLAND WETLANDS WITH FLAG #
- OBSERVATION HOLE
- PERCOLATION TEST
- CATCH BASIN
- FLARED END
- WATERCOURSE
- PROPOSED POLE LIGHT
- LOD LIMIT OF DISTURBANCE
- PROPOSED RIP RAP
- PROPOSED STANDARD ASPHALT SURFACE
- PROPOSED WETLAND MARKER

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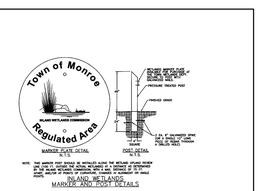
LARRY EDWARDS, P.E. No. 10937

PLANTING LIST

	COMMON NAME	#	SIZE
Aa	RED CHOKEBERRY	12	3-4'
CO	BUTTONBUSH	12	3-4"
CL	SWEET PEPPERBUSH	12	3-4'
NS	NORWAY SPRUCE	22	6'
KI	MOUNTAIN LAUREL	13	3-4'
AI	SPECKED ALDER	9	3-4'

LIST OF PROPOSED BULK STORAGE MATERIAL
1. PROCESSED OR NATIVE SANDS AND STONE MATERIAL
2. TOPSOIL OR OTHER SIMILAR ORGANIC MATERIAL
3. PROCESSED WOOD MULCH MATERIALS



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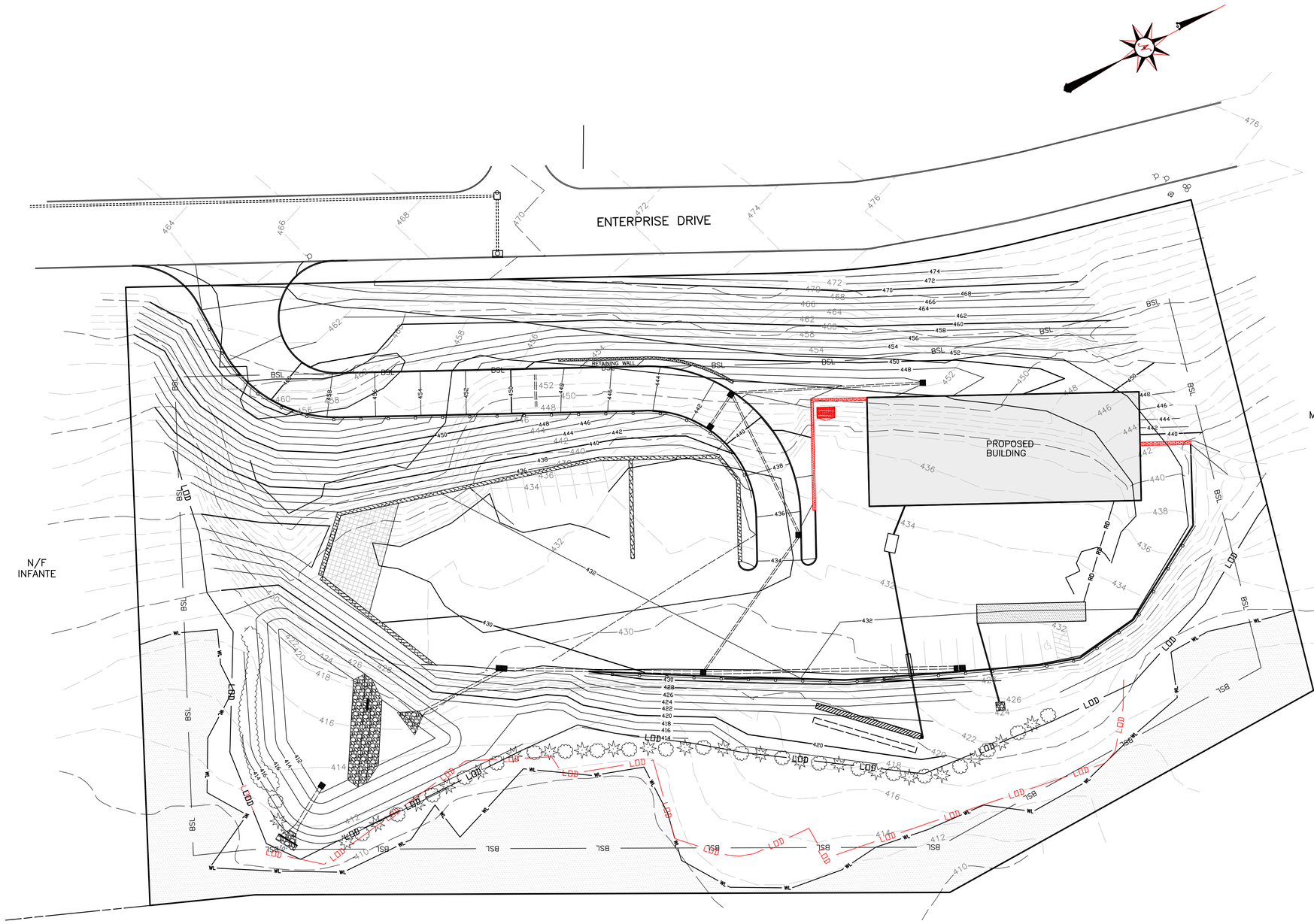
DATE: OCTOBER 1, 2017
PROJECT #: 2133
DRAWING FILE: SITE PLAN
DRAWN BY: LE
SCALE: 1"=30'

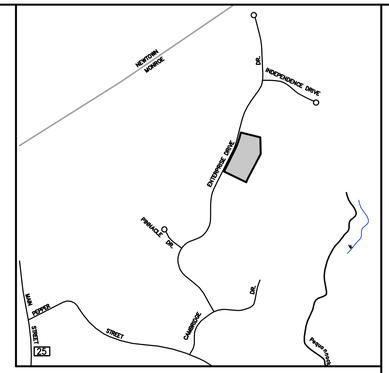
TITLE

SITE PLAN

SHEET NUMBER

S-1





LOCATION MAP
SCALE: 1"=1000'

LEGEND

- CONTOUR UNDER CONSTRUCTION
- EXISTING CONTOUR
- PROPOSED CONTOUR
- 520.2 EXISTING SPOT ELEVATION
- 520.2 PROPOSED SPOT ELEVATION
- EXISTING DRAINAGE
- PROPOSED DRAINAGE
- EXISTING SANITARY
- PROPOSED SANITARY
- L SANITARY LATERALS
- FM FORCE MAIN
- FD FOOTING DRAIN
- RD ROOF DRAIN
- HO 6" PVC HIGH OVERFLOW
- W WATER SERVICE
- G GAS LINE
- COTG CLEAN OUT TO GRADE
- WL 27 INLAND WETLANDS WITH FLAG #
- OBSERVATION HOLE
- PERCOLATION TEST
- GTD GRADE TO DRAIN
- SF SYNTHETIC FILTER BARRIER
- HB HAYBALES
- LOD LIMIT OF DISTURBANCE
- WATER BREAK
- SR SLOPE RIGHTS
- DE DRAINAGE EASEMENT
- BUILDING SETBACK LINE
- WETLAND OFFSET
- WATERCOURSE
- WATERCOURSE OFFSET
- E POINT OF ENTRY
- L LOADING ENTRY

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LARRY EDWARDS, P.E. No. 10937

RED LINEWORK = PREVIOUSLY APPROVED SITE PLAN LAYOUT
BLACK LINEWORK = CURRENT PROPOSED SITE PLAN LAYOUT

0 30' 60' 90'

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DRAWN BY: LE
SCALE: 1"=30'

TITLE

SITE COMPARISON PLAN

SHEET NUMBER

SC-1

STANDARD NOTES

1. All construction methods, materials and installation of the system to be in accordance with all applicable local and state regulations.
2. Topographic and property data shown are only approximate.
   Topographic data based on subdivision site plan, property lines based on subdivision map
3. The test results and soil types shown apply only to the test holes shown and may vary throughout the site. Soil type and grade should be verified by the owner over the entire leaching area prior to construction.
4. Select fill, if required, to be placed in maximum of 12" lifts and to be compacted to a minimum of 90% compaction.
   Material to have a maximum of 5% passing the #200 sieve. Prior to the delivery of select fill to the site, the contractor at his expense, shall furnish a certified gradation analysis to the local Health Department and to the Design Engineer. Final approval of septic fill will be conditional on the completion of a percolation test on the inplace material. This test is to be witnessed by the Design Engineer and/or local Health Department official. The maximum allowable percolation rate will be 1"in 10 minutes, unless otherwise noted.
5. Unless otherwise directed hereon, the site requiring placement of select fill shall be prepared by removing all topsoil in the system area and 5 ft on all sides. No heavy equipment shall be used in the prepared area. Fill shall be placed on the perimeter of the trench area and spread with a small crawler, tractor or other approved machinery. Upon placement of the first lift of select fill, material shall be thoroughly harrowed into the existing subsoil layer.
6. Call "Call Before You Dig" 1-800-922-4455 to locate underground utilities on property and show service lines to building from public utilities shown on plan.
7. Contractor shall contact the certifying engineer and Health department at least 24 hours prior to starting construction, or the system installation will not be certified.
9. The licensed installer shall cover the septic system with clean soil as prescribed by the latest revision of Technical Standards. Clean soil is native soil, free of contaminants such as boulders, building debris, stumps, etc.
10. Septic system to be staked by Engineer/Surveyor and benchmark set prior to starting construction.
11. A sieve analysis of the septic fill is to be provided to the health district and design engineer verifying compliance to Health Code requirements prior to placement on site.
12. Prior to backfilling septic system Engineer/Surveyor to asbuilt completed septic system and provide plan to health department.
13. Trees and stumps in septic area to be removed.

SOIL TEST DATA

CONDUCTED 6/12/07

15-107
0-6" TOPSOIL
06-28" ORG BR SILTY SUBSOIL
28-69" OLIVE BR MED SAND
LEDGE @ 69" NO WATER OR MOTTLING

15-108
0-6" TOPSOIL
06-31" ORG BR SILTY SUBSOIL
31-53" OLIVE BR MED SAND
LEDGE @ 53" NO WATER OR MOTTLING

15-109
0-3" TOPSOIL
06-28" ORG BR F SILTY SAND
28-69" GR V FINE SILTY SAND
LEDGE @ 68" NO WATER OR MOTTLING @41"

CONDUCTED 10/17/07

15-123
0-8" TOPSOIL
08-21" ORG BR SILTY SUBSOIL
21-49" TAN FINE SAND
49-106" OLIVE TAN CR SAND AND GRAVEL
NO LEDGE, NO WATER MOTTLING @38"

15-125
0-9" TOPSOIL
09-28" RED BR SILTY SUBSOIL
28-40" TAN FINE SAND
40-94" OLIVE TAN CR SAND AND GRAVEL
NO LEDGE, WATER @85", MOTTLING @38"

PERCOLATION TESTS CONDUCTED 6/13/07

DEPTH	15-104	15-105	15-122	15-123
	26"	16"	20"	21"
0	11.5"	1.5"	5.5"	7.5"
10	22.0"	8.75"	14.0"	14.5"
20	DRY"	11.12"	17.0"	17.25"
30		13.25"	DRY	19" DRY
40		DRY		
	1/<5MIN	1/<5MIN	1"/<5MIN	1"/<5 MIN

CONDUCTED 2/20/18

TP-A
0-10" TOPSOIL
10-36" ORG BR F SANDY SUBSOIL
36-84" GR BR COURSE GRAVELLY TILL
ROOTS TO 36" MOTTLING @36" WATER @64"

TP-B
0-10" TOPSOIL
10-33" ORG BR F SANDY SUBSOIL
33-82" GR BR COURSE GRAVELLY TILL
ROOTS TO 33" MOTTLING @33" WATER @63"

TP-C
0-36" ORG BR F SANDY SUBSOIL
36-80" GR BR COURSE GRAVELLY TILL
WATER @72" TO MOTTLING OR LEDGE FOUND

SYSTEM DETAILS

No.	Inv.Elev.
1	429.0
2	428.5
3	428.25
4	425.0
No.	Elev bottom sys
5	419.0

* overflow invert to lower trench to be set at elev. of top of trench/unit

SEPTIC SYSTEM DESIGN

BUILDING: 9000sf GENERAL WAREHOUSE

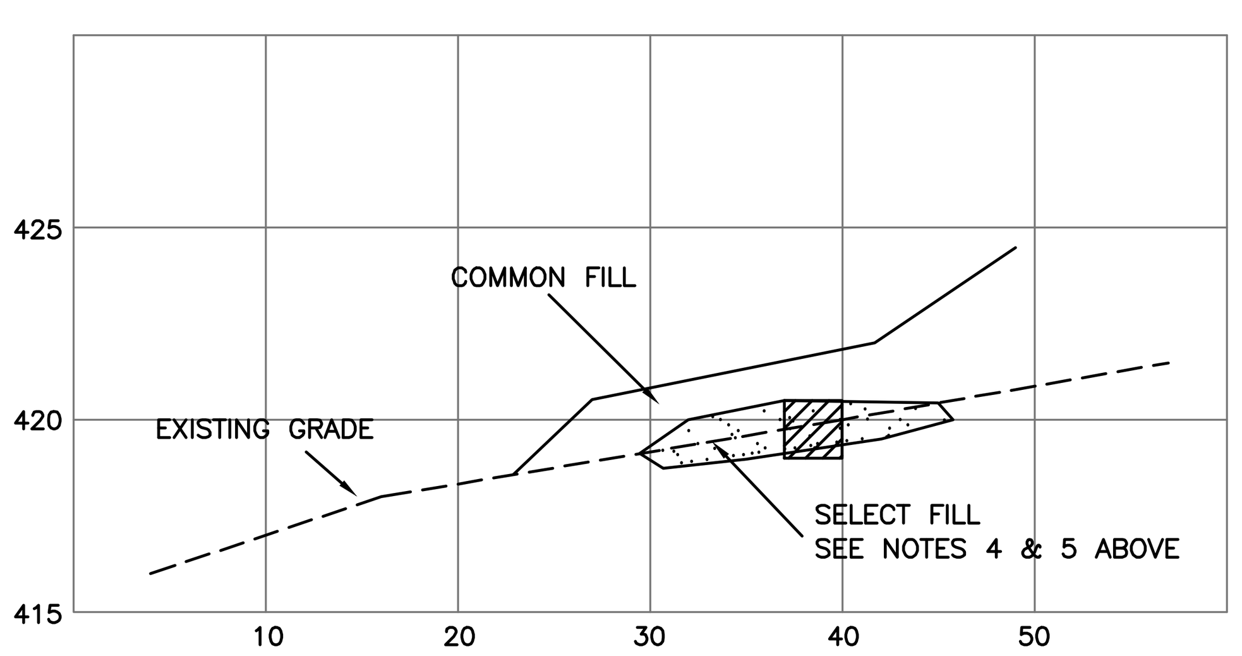
DESIGN LOAD:
THE EMPLOYEE COUNT FOR WAREHOUSE COMPONENT WILL BE BASED ON PARKING SPACES REQUIRED BY MONROE ZONING REGULATIONS, 1 SPACE PER 600sf

WAREHOUSE; 9000sf/600 =15 EMPLOYEES

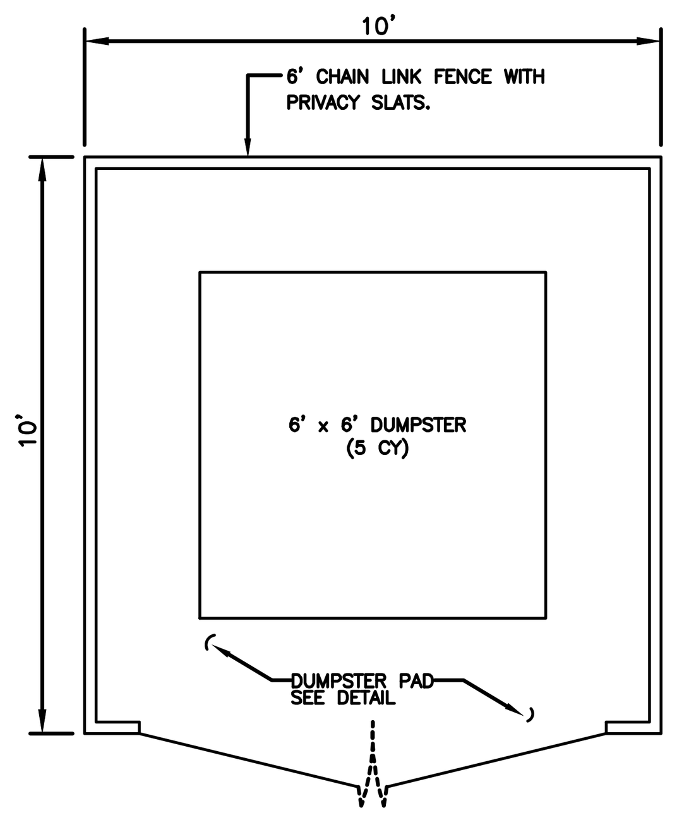
DESIGN FLOW =15 EMPLOYEES X 20gpd =300gpd
APPLICATION RATE =1.5 GAL/SF OF EFFECTIVE AREA
REQUIRED EFFECTIVE AREA 300/1.5 =200sf
PROPOSED EFFECTIVE AREA: 60LF OF CULTEC CONTRACTOR 100HD w/PSD =258sf

MLSS CALCULATIONS

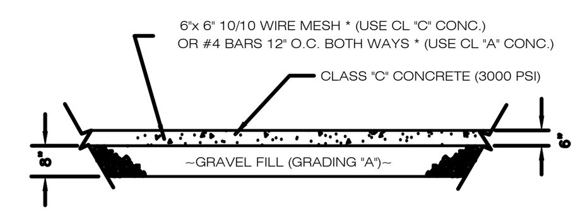
AVG DEPTH =34"
SLOPE =9.7%
HF =24
PF = 1.0
FF =300gpd/300 =1.0
MLSS =24 X 1.0 X 1.0 =24'



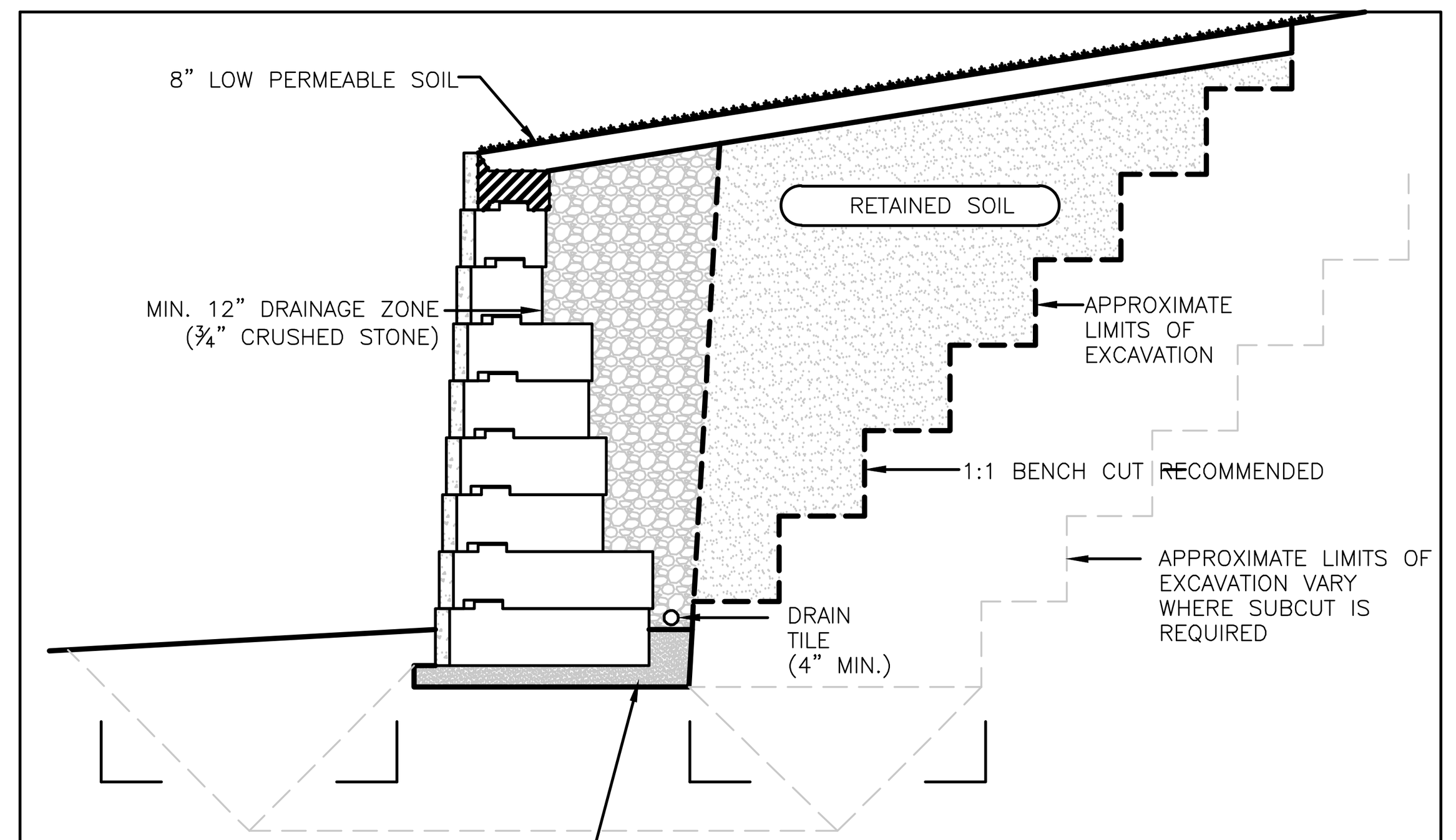
SECTION A-A



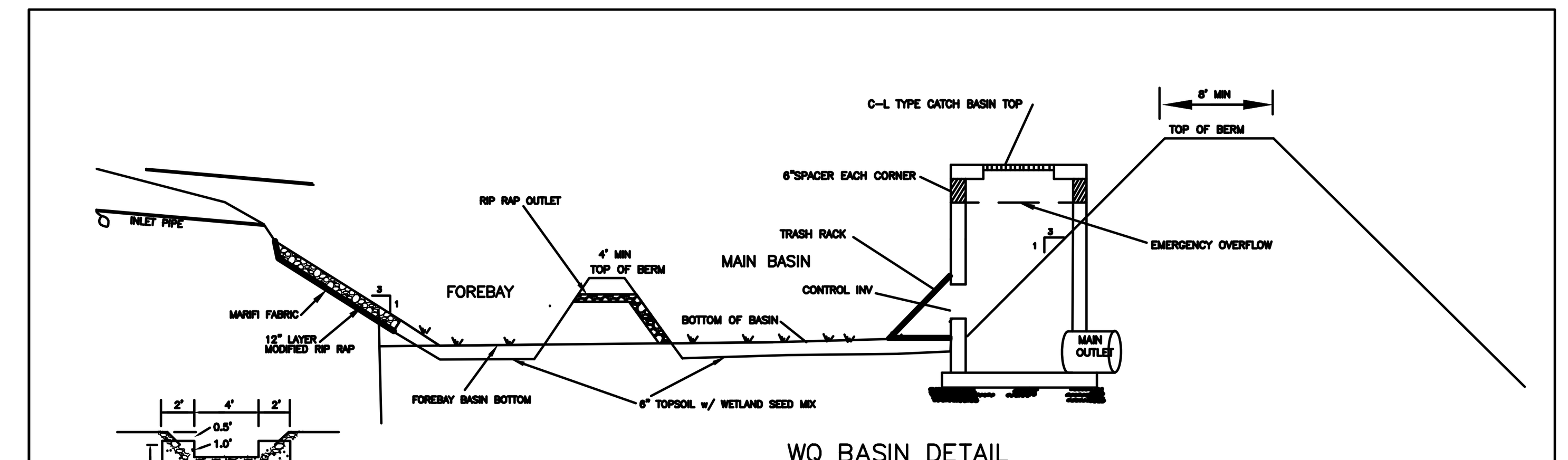
DUMPSTER ENCLOSURE



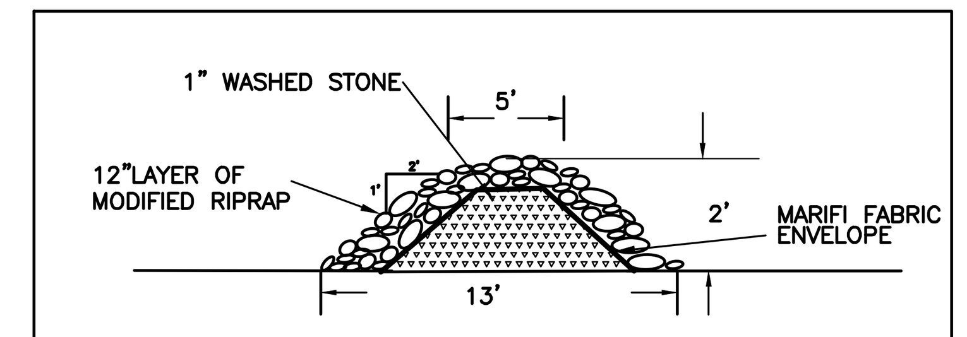
DUMPSTER PAD



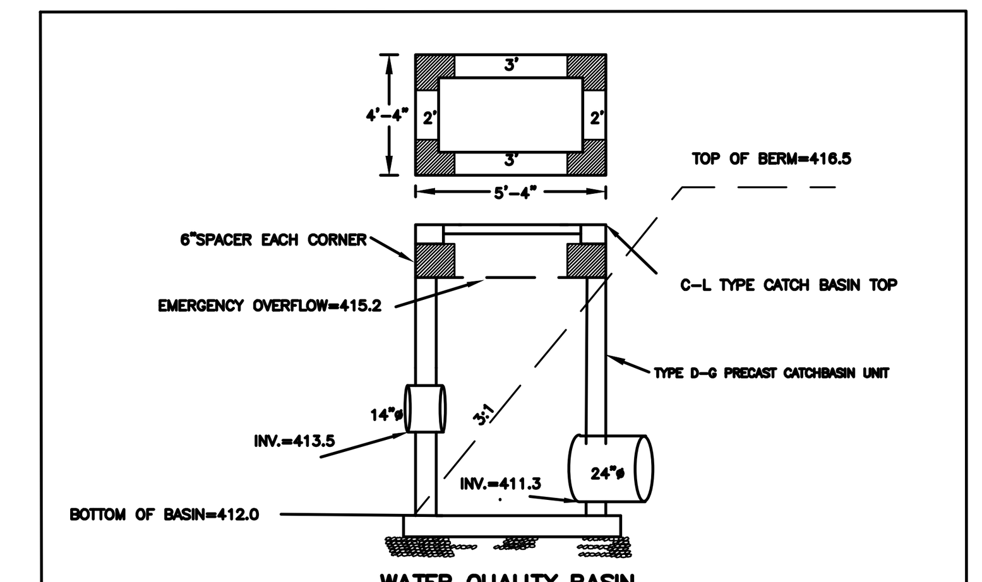
MODULAR CONCRETE RETAINING WALL
RE-CON 100 SERIES SYSTEM OR EQUIVALENT(NTS)



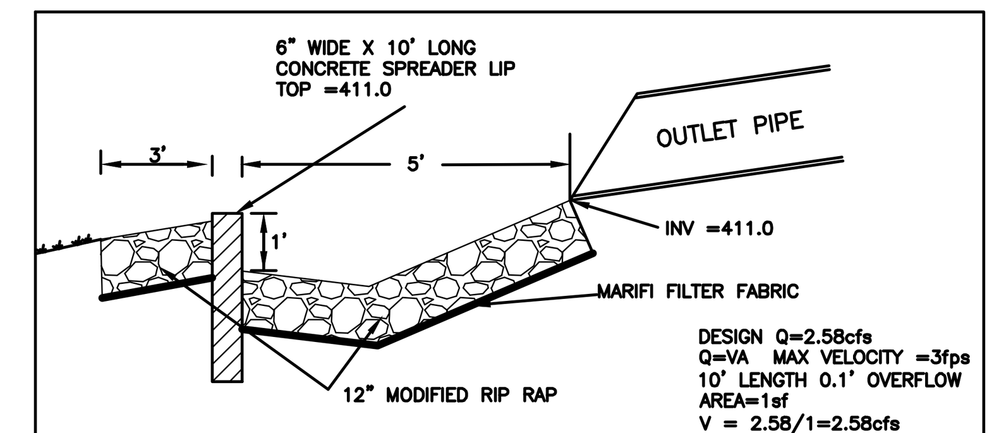
WQ BASIN DETAIL



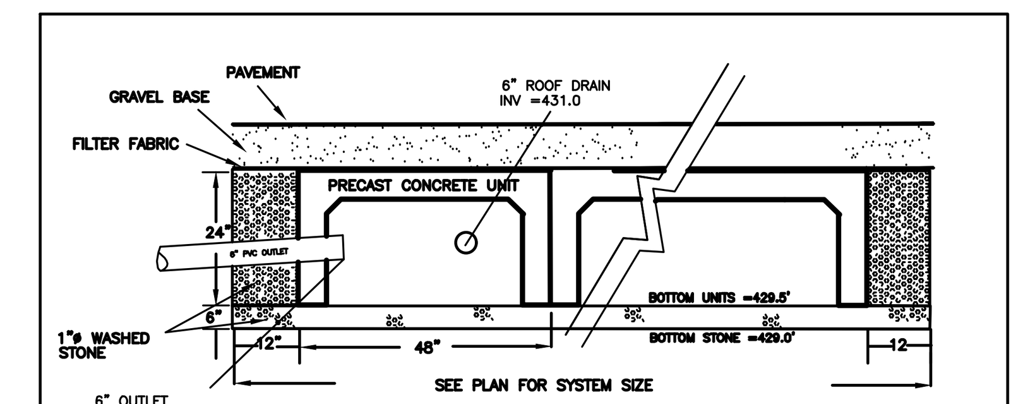
FOREBAY BERM (NTS)



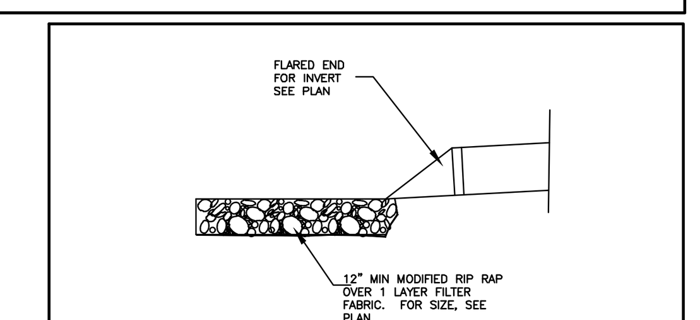
WATER QUALITY BASIN OUTLET STRUCTURE



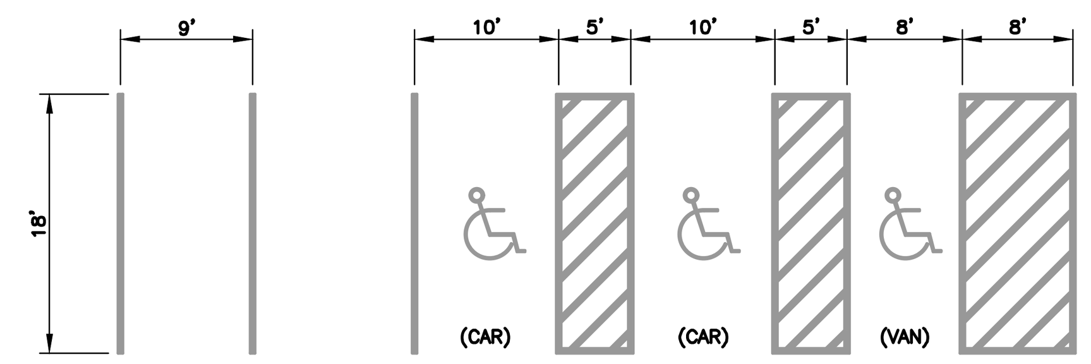
OUTLET SPREADER LIP DETAIL



24" HIGH X 48" WIDE DETENTION GALLERY (NTS)



RIPRAP DETAIL

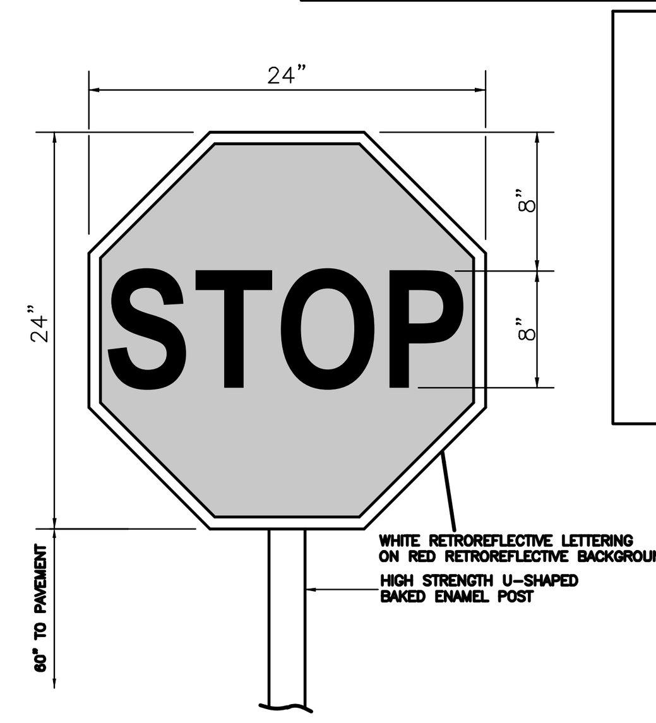


GUEST

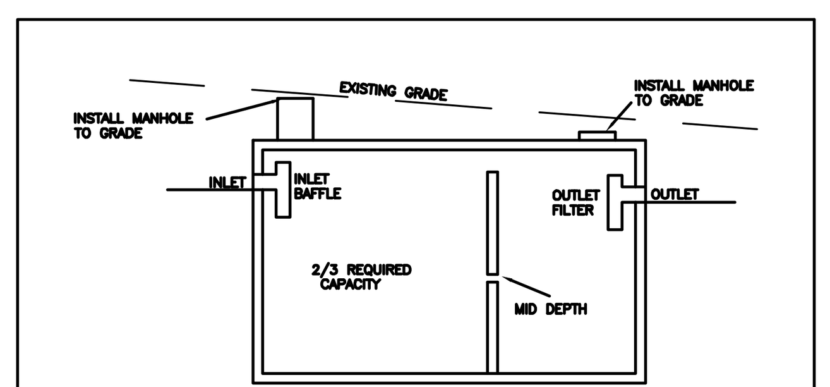
HANDICAP

PARKING SPACES

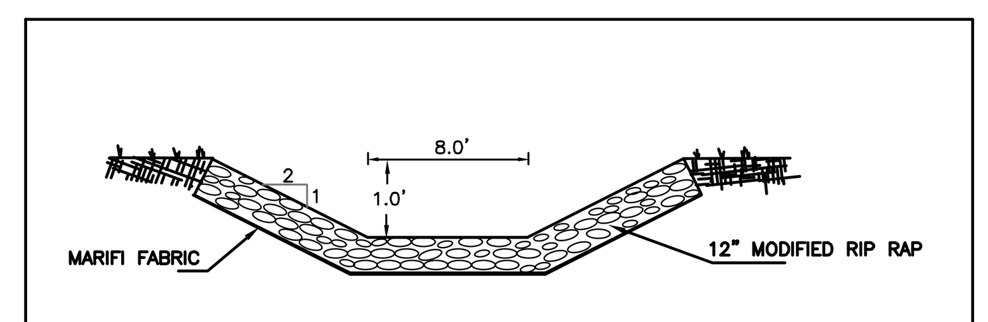
NOTE:
HANDICAP PARKING SPACES SHALL NOT EXCEED 2% SLOPE IN ANY DIRECTION



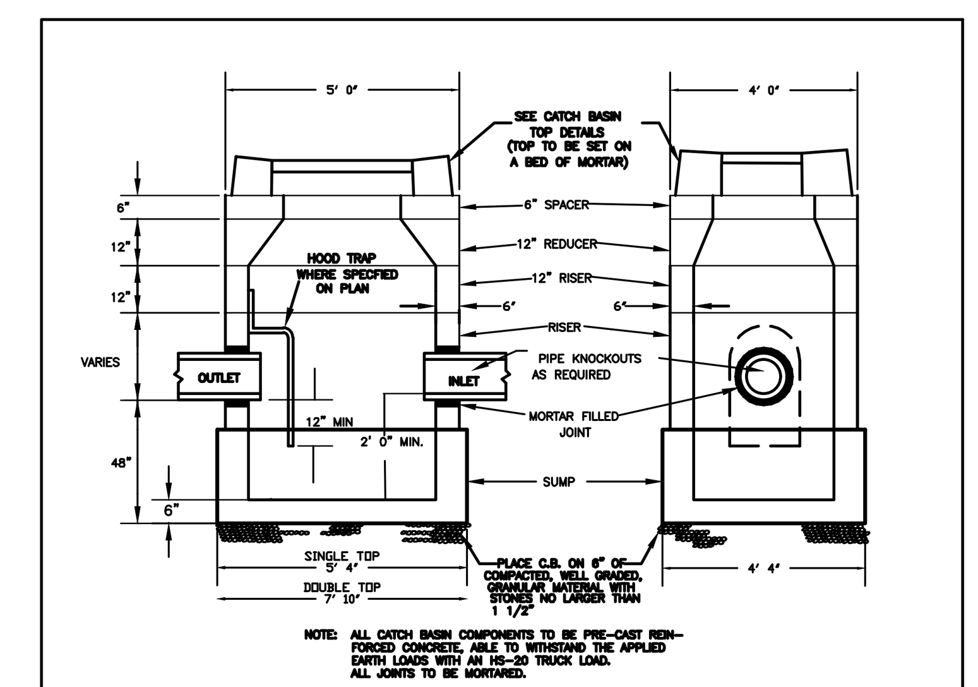
STOP SIGN



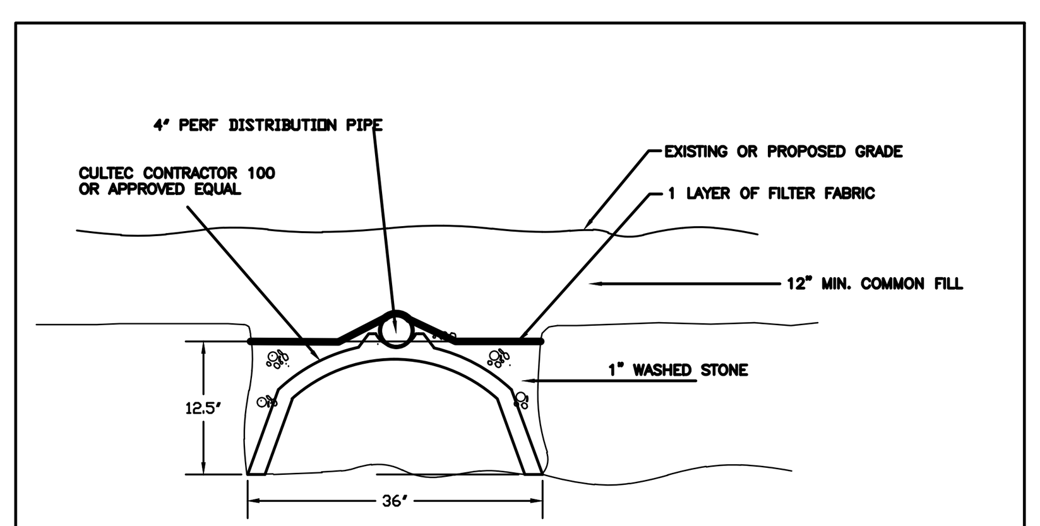
SEPTIC TANK CROSS SECTION (NTS)



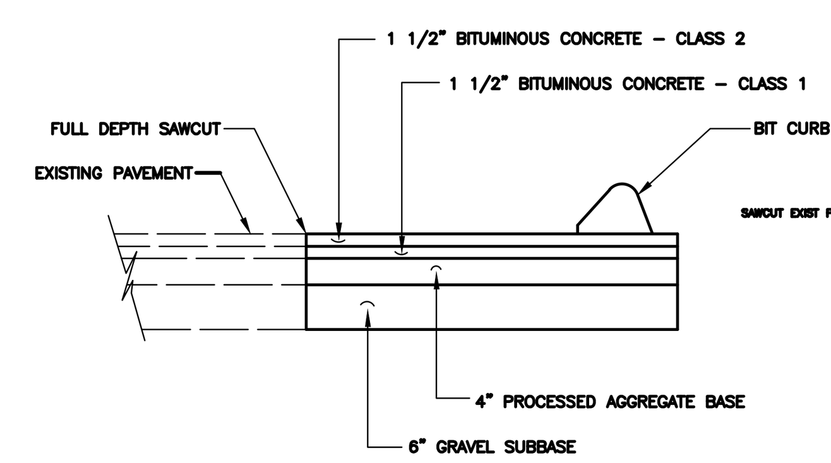
EMERGENCY SPILLWAY (NTS)



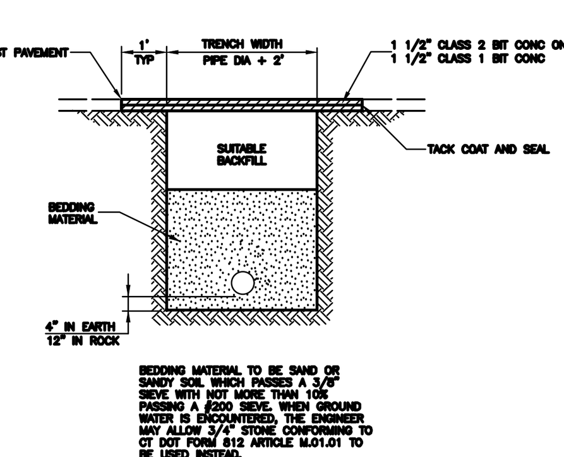
CATCH BASIN DETAIL



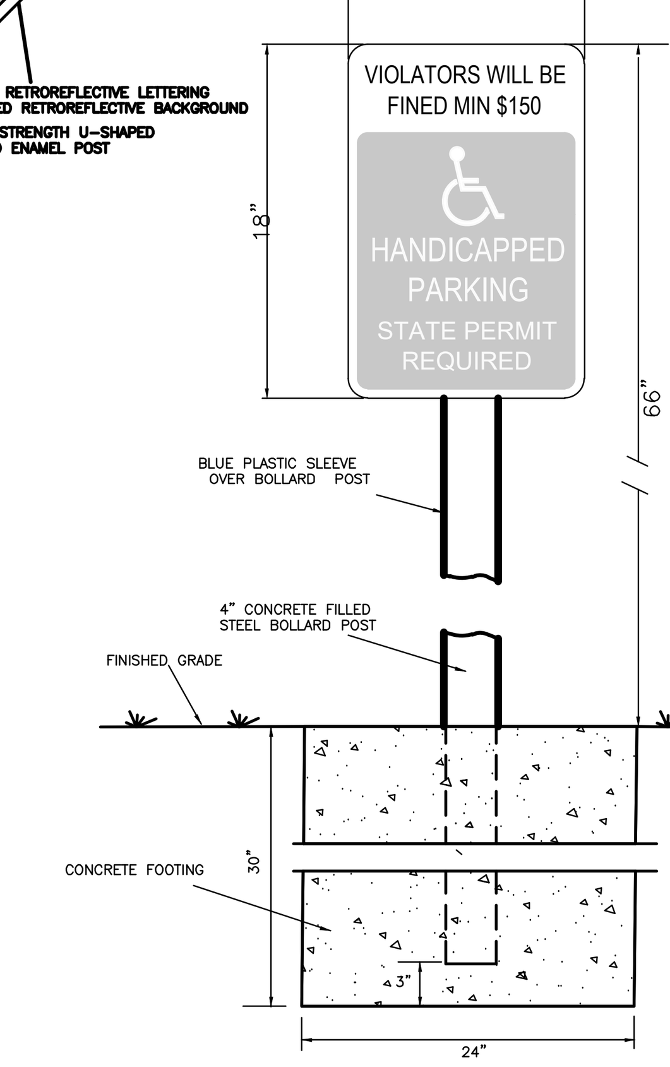
CULTEC CONTRACTOR 100 w/ PIPE DISTRIBUTION (NTS)



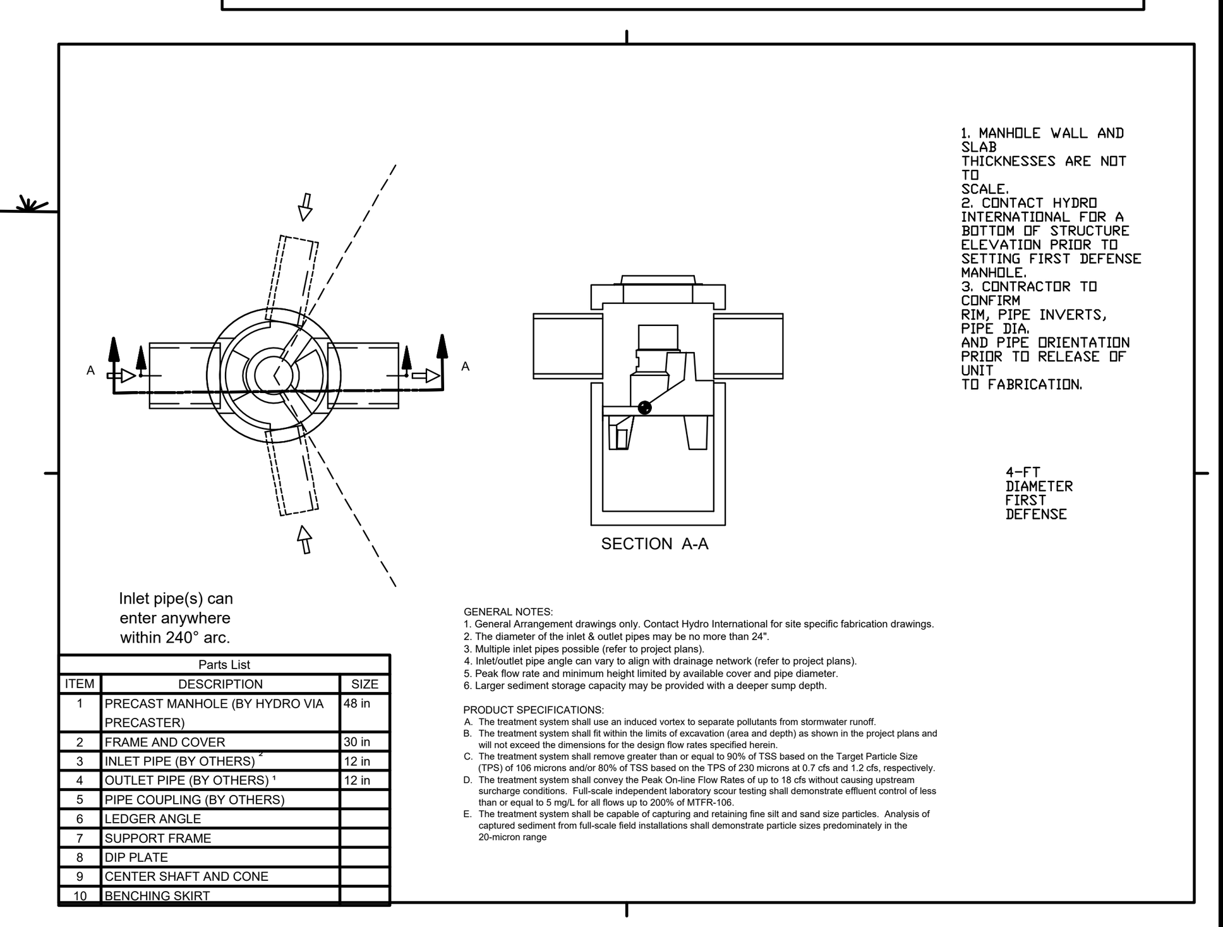
STANDARD PAVEMENT



UTILITY PIPE TRENCH



HANDICAP POST & SIGN



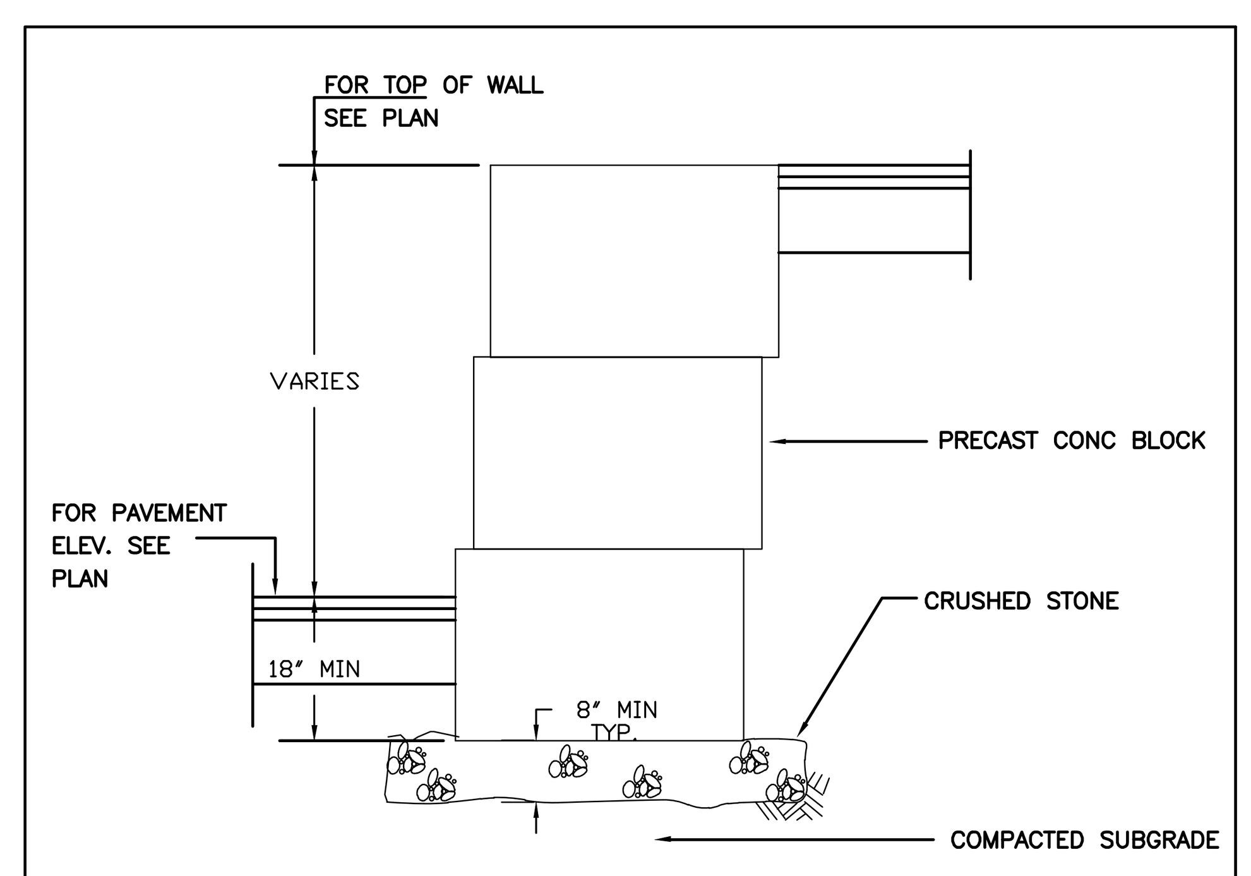
SOIL TEST DATA FOR STORMWATER SYSTEMS
CONDUCTED 2/20/18

TP-C
0-36" ORG BR SANDY SUBSOIL
36-84" GR BR COURSE GRAVELLY TILL
NO MOTTLING OR LEDGE, WATER @70"

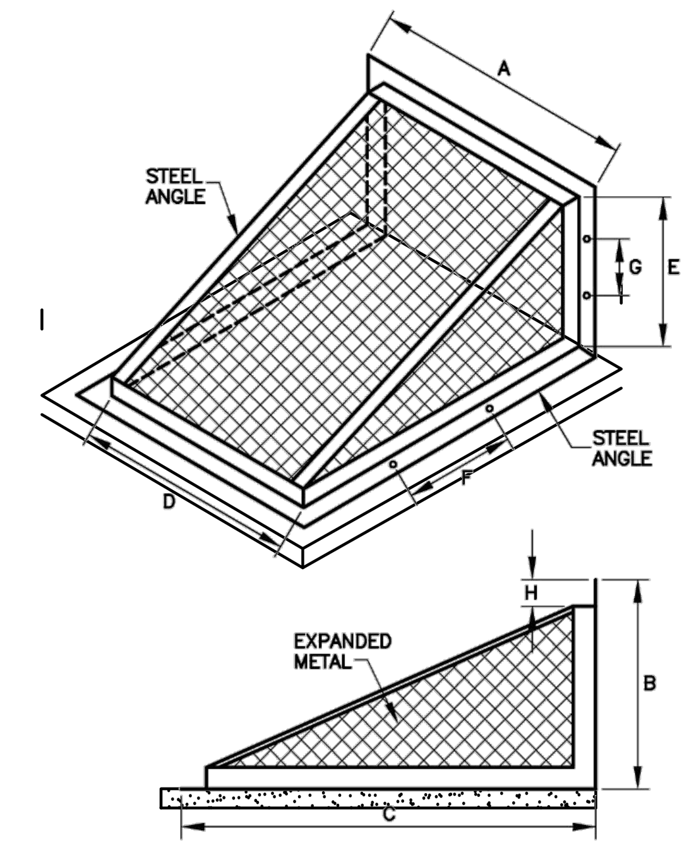
TP-D
0-48" MIXED CLEAN FILL
48-60" ORG BR SANDY SUBSOIL
60-90" YEL BR SILTY TILL
NO WATER, MOTTLING OR LEDGE FOUND

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OR AFFIXED WITH THE LIVE STAMP OF THE SIGNATORY.

LARRY EDWARDS, P.E. No. 10937

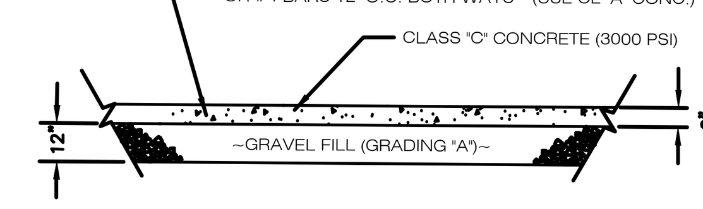


NEW CONCRETE BLOCK RETAINING WALL (NTS)



TRASH RACK
LANE ENTERPRISES, INC.
MODEL #139

BASIN 1 DIMENSIONS
A: 3.50
B: 2.85
C: 2.85
D: 3.25
E: 2.60
F: 0.50
G: 0.50
H: 0.25



TRASH RACK SLAB

J. EDWARDS & ASSOCIATES LLC
ENGINEERING • SURVEYING • SITE PLANNING
227 Stepney Road Easton, CT 06612
Phone:203.268.4205 Fax: 203.268.5604
www.jedwardsassoc.com

98 ENTERPRISE DRIVE
MONROE, CONNECTICUT

REVISIONS

#	DATE	DESCRIPTION
1	11/1/17	BUILDING LOC.
2	1/15/18	WETLAND APP
3	2/27/18	WETLAND COMMENTS
4	3/26/18	WETLAND COMMENTS
5	5/22/18	WETLAND APPROVAL
6	7/12/18	T.E. COMMENTS
7	11/28/18	BUILDING SIZE
8	10/3/19	zoning comments
9	12/16/19	MISC.
10	2/26/20	MISC.
11	4/9/20	engineering comm.

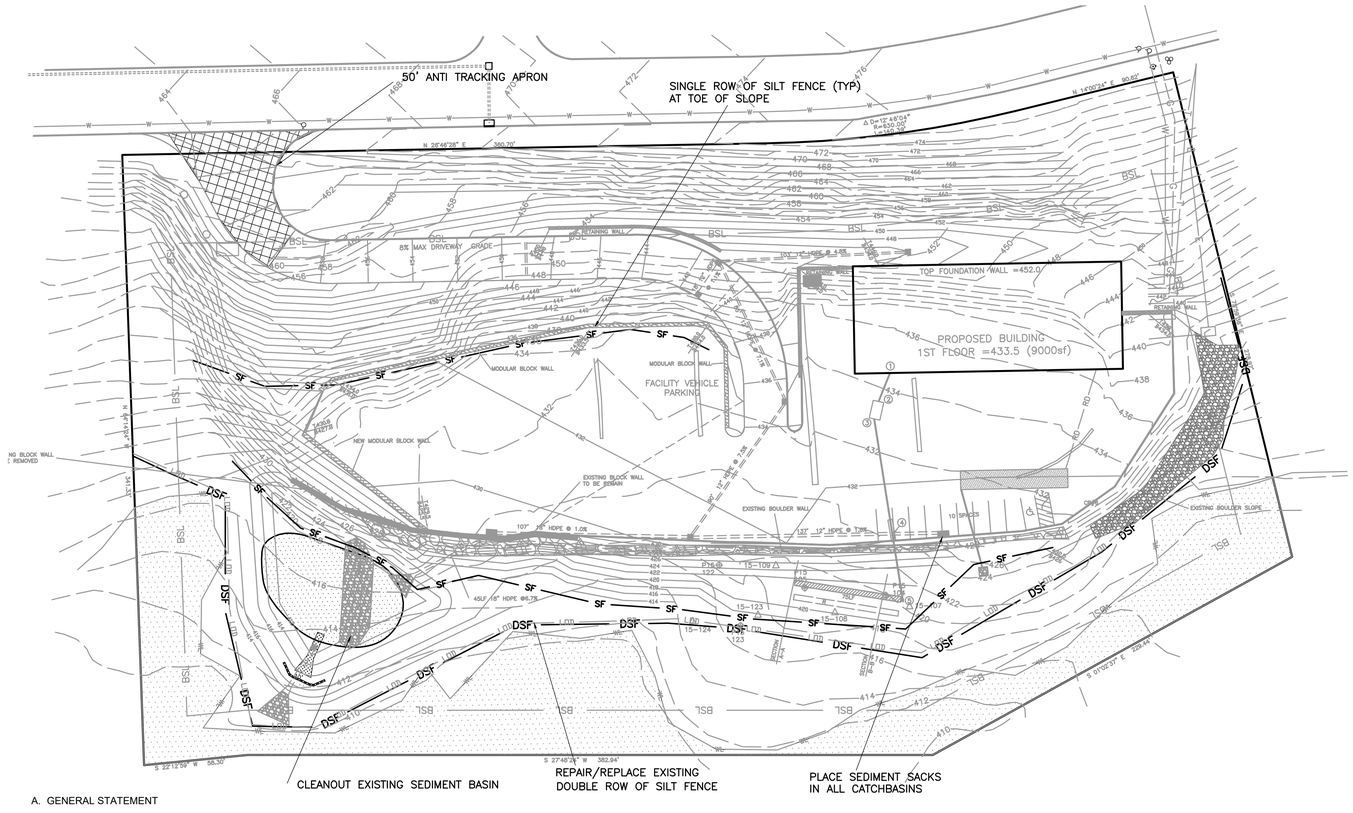
DATE: OCTOBER 1, 2017
PROJECT #: 2133
DRAWING FILE: SITE PLAN
DRAWN BY: LE
SCALE: N/A

TITLE

CONSTRUCTION DETAIL PLAN

SHEET NUMBER

CD-1



A. GENERAL STATEMENT

This project consists of the development of a 4.7 acre parcel which is to be developed as a warehouse and a construction equipment storage and maintenance facility. The site has an existing wetlands and a Zoning permit and site construction as been partially completed. A new site plan has been prepared showing proposed changes. The required erosion controls have been installed and are being maintained.

1. Work on this project is expected to commence upon re-approval by the Planning and Zoning Commission. Final stabilization shall be completed as soon as possible after completion of work. In all cases disturbed areas shall be stabilized by the end of the growing season so that grass cover can be established. Construction shall be completed in accordance with the attached schedule.

2. The Storm Pollution control program for this site shall include the following as shown on the approved map:

a. Installation of a filter fence as shown on the plan.
b. Installation of anti-tracking apron on the driveways and at entrance to the roads.
c. Installation of detention/sediment basins and traps

3. Prior to any construction on the site, a pre-construction meeting shall be held with the owner, contractor, design engineer, and the authorized town official to review the site and the required erosion/ sedimentation and storm pollution control program.

4. The approved site plans, erosion control plan, engineering report and land use applications are considered part of this plan.

B. SCHEDULING OF GRADING AND CONSTRUCTION ACTIVITIES

Prior to starting construction on the site, all erosion and sediment control measures shall be installed as directed by the design engineer, permittee and/or authorized town agent. Detailed plans have been provided. Detailed construction sequencing has been included on the sheet for each phase.

Construction sequence:
A detailed construction sequence has been included on the Erosion Control Plan.

C. MEASURES TO BE USED DURING CONSTRUCTION

1. SILT FENCE

Silt fence consists of wooden post and filter fabric. Fences will be secured in place by wood posts set a maximum of five feet on-center. The filter fabric will be three feet in height. Fabric at the base of the fence will be buried at least six inches into the ground. Twine will be used to secure the fence on the uphill side to prevent overturning. The purpose of silt fences is to intercept and detain sediment contained in overland runoff from disturbed areas of limited extent. (Envirofence by Mirafi Inc. is an acceptable alternative to the system described above.)

Installation and Maintenance shall conform to the following:
Sediment will be removed from behind silt fences when sediment has accumulated to 50% of original height of the fence.

2. ANTI-TRACKING APRON

A ramp of crushed stone extending a minimum distance of 50 feet will be installed at the point of ingress and egress to the site. The purpose of the device is to minimize the potential of tracking mud from the site onto public right-of-way.

Installation and Maintenance shall conform to the following:
Minimum length will be 50 feet.
Stone size will meet CT DOT standards for two inch crushed gravel.
Stone will be placed upon the full width of the entrance roads.
Thickness of stone will be four inches or greater.
All sediment spilled, dropped, washed, or tracked onto public right-of-way will be removed immediately.

3. TEMPORARY WATER BREAKS

This temporary device consists of a swale constructed across proposed roadways. The purpose of this device is to direct runoff away from the road surface and minimize sediment from entering the drainage system. This shortens the length of disturbed slope by intercepting runoff and diverting it away from the roadway catch basins.

Installation and Maintenance shall conform to the following:
Swales will be placed across roads, which are to be constructed in fill:
Every 200 feet on slopes of 5-10%
Every 300 feet on slopes less than 5%
Contributory drainage areas, which are less than five acres.
Swales drain to hay bale check dams.

4. HAY BALE CHECK DAMS

Hay bale check dams of tightly bound, steel pin anchored, hay bales embedded four inches below grade in drainage swales adjacent to roadways or at the toe of an exposed slope. The purpose of a hay bale check dam is to reduce runoff velocity, and promote deposition and filtering of sediment from runoff. Hay bale check dams will be used where the runoff velocities will be less than three feet per second.

Installation and Maintenance shall conform to the following:
Compacted backfill will be placed against the up slope side of the Hay bales to a height of 4" above the ground.
Check dams will be placed in drainage swales:
Every 100 feet on slopes greater than 10%
Every 200 feet on slopes 5-10%
Every 300 feet on slopes less than 5%
Sediment shall be removed from hay bale check dams when sediment has accumulated to 50% of the original height.

5. TEMPORARY SEDIMENT TRAPS

Runoff collected in roadway interceptor swales or other swales will be directed to a sediment trap. The trap consists of a small excavation and/or embankment. The purpose of the trap is to collect runoff, promote settling of sediment, and de-concentrate and distribute clean runoff overland through natural vegetation before it enters existing watercourses and wetlands.

Installation and Maintenance shall conform to the following:
Contributory drainage areas that are less than or equal to five acres.
Utilized as part of swales prior to discharge to natural slopes.
Traps will be placed such that runoff discharging from the trap will flow at least 30 feet overland through natural vegetation before entering stream channels or wetlands.
Traps will be designed before construction.
Trap sides shall be compacted during construction.
The trap outlet shall have crushed stone rip-rap hand placed for energy dissipation.
Traps will be cleaned when sediment has accumulated to 50% of design volume.
Remove sediment deposited upland and treat to reduce potential erosion.

6. CATCH BASIN FILTERS

Temporary catch basin filters will be utilized to prevent the deposition of sediment into the storm sewer system prior to the stabilization of exposed areas with vegetation and/or pavement. These filters will consist of tightly bound, pin-anchored hay bales embedded four inches below grade, surrounding each catch basin inlet.

Installation and Maintenance shall conform to the following:
Placed around each catch basin inlet prior to paving or stabilization with vegetation.
Sediment shall be removed from the filters when sediment has accumulated to 50% of the filter's original height.

7. TEMPORARY GRADE TO DRAINS

This is a temporary raised berm of compacted soil, placed across a disturbed slope that intercepts runoff from disturbed areas and directs it to an appropriate outlet. This device will be used mostly on steep slopes above deep excavations.

Installation and Maintenance shall conform to the following:
Temporary grade to drains may be placed on cut and fill slopes exceeding 10 feet in height.
Contributory drainage area should not be greater than one acre.
Runoff will be diverted overland by the berms to sediment traps, sedimentation basins, swales, or check dams.
On slopes over 5%, additional stabilization is required in the form of stone rip-rap eight inches vertically up the upslope side of the berm and seven feet upslope from the upslope toe of the berm.
Top width of berm will be two feet. Side slopes will be 2:1 or flatter.
All berms shall be machine compacted.

8. RIP-RAP OUTFALL PROTECTION

As a permanent erosion control measure to protect the soil surface from the erosive forces and to slow the velocity of concentrated runoff while enhancing the potential for infiltration, velocity reducers in the form of crushed stone rip-rap will be used at the outfalls of all drainage structures that discharge to wetlands or other sensitive areas. The minimum thickness of the rip-rap layer will be 1.5 times the maximum stone diameter but not less than six inches. Sizing the stone and determining the dimensions of the rip-rap pads will be completed upon further design of the project using the methods described in the Connecticut Guidelines for Soil Erosion and Sediment Contr

9. Names, addresses and phone numbers of all persons and organizations that will be responsible for the installation and maintenance of the erosion and sedimentation devices will be provided prior to any earth moving or any other construction activity.

10. Construction area to be kept clean from all litter, debris and other building materials collected and disposed of offsite in approved manner. All fuels, oils and other controlled chemicals to be stored in approved areas. Such areas to be bermed as necessary to prevent spills from entering open watercourses. Fueling of equipment shall not be allowed in other than approved areas. In the event of a fuel or chemical spill, immediate measures to be taken to control damage and local and state officials are to be notified immediately.

11. Where construction activities have permanently ceased or have temporarily been suspended for more than seven days, or when final grades are reached in any portion of the site, stabilization practices shall be implemented within three days. Areas that remain disturbed but inactive for at least thirty days shall receive temporary seeding in accordance with the guidelines.

D. MAINTENANCE PROGRAM DURING CONSTRUCTION

1. The designated site monitor will inspect disturbed areas of the construction activity that have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site at least once every seven calendar days and within 24 hours of the end of a storm that is 0.1 inches or grater. Where sites have been temporarily or finally stabilized, such inspection shall be conducted at least once every month for three months.

2. Additional control measures will be installed and the plan revised as appropriate as soon as practicable after such inspection. Such modifications shall provide for timely implementation of any changes to the site within 24 hours and implementation of any changes to the plan with 3 calendar days following the inspection. The plan shall be revised and the site controls updated in accordance with sound engineering practices, and applicable state and local regulations.

3. All control measures shall be maintained in effective working condition throughout the construction period.

4. Control measures found to be in disrepair shall be repaired or replaced immediately.

5. Sediment removed from control structures will be disposed of in a neat manner and disposed of in areas designated by the authorized town official or design engineer.

6. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the Stormwater Pollution Control Plan, and actions taken shall be made and retained as part of the Plan for at least three years after the date of inspection. The permittee, or his authorized representative shall sign the report.

7. Enterprise Drive LLC, Owner, or his designated agent is assigned the responsibility for implementing this erosion and storm pollution control plan. This responsibility includes site inspections, preparation of reports, the installation and maintenance of control measures, informing all parties engaged on the construction site of the requirements and objectives of the plan, notifying the Planning and Zoning Commission of any transfer of this responsibility, and for conveying a copy of the Erosion and Sediment Control Plan and the Implementation Schedule for Erosion and Sedimentation Control if the title to the land is transferred.

E. POST-CONSTRUCTION STORM MANAGEMENT

1. After completion of site disturbance and satisfactory stabilization, all permanent control structures including detention basins, storm water ditches, and catch basins to be cleaned of all sediment and debris. At time of transfer of ownership and/or responsibility for controls, the new owner or designated agent shall be advised of the sedimentation control maintenance requirements for the project.

MAINTENANCE PROGRAM

Seasonal Site Inspection/Maintenance
1. In the spring sweep sand deposits from the driveway areas and deposit at approved site. Inspect the water quality areas for excessive sediment buildup and remove as required.
2. In the fall, remove leaf debris from the site to avoid excessive loading of the water quality areas and rain gardens. Mow area, as required eliminating unwanted plant species.
3. All catchbasins to be inspected and cleaned yearly.
4. The infiltration gallery system to be inspected yearly. If there is significant sediment accumulation in sytem, the cleaning schedule for the catchbasins to be increased to 2 times per year.

F. REPORTING AND RECORD KEEPING REQUIREMENTS

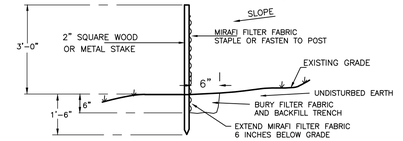
1. The permittee shall retain copies of Stormwater Pollution Control Plans and all reports required by this general permit, and records of all data used to complete the registration to be authorized by this general permit, for a period of at least three years from the date that construction at the site is completed unless the commissioner specifies another time period in writing.

2.

3. The permittee shall retain an updated copy of the Stormwater Pollution Control Plan required by this general permit at the construction site from the date construction is initiated at the site until the date construction at the site is completed.

4. Upon completion of construction, for sites authorized by the General Permit for the Discharge of Stormwater Associated with Commercial Activity or the General Permit for the Discharge of Stormwater Associated with Industrial Activity, the Stormwater Pollution Control Plan shall be kept as an appendix to the Stormwater Management Plan or Stormwater Pollution Prevention Plan (as applicable) for a period of at least three years from the date of completion of construction. A notice of termination form shall be completed by the permittee and forwarded to DEP upon completion of all site construction.

NOTES:
1. SPACING MAY VARY PER MANUFACTURER'S RECOMMENDATIONS. MAXIMUM SPACING IS 8'–0".
2. JOIN SILT FENCE SECTIONS BY OVERLAPPING END STAKES TO PREVENT SILT FROM BYPASSING ADJOINING UNITS.
3. INSPECT PERIODICALLY AND REMOVE SILT WHEN MORE THAN 1/2 THE HEIGHT IS FILLED.



MIRAFI FILTER FABRIC–SILT FENCE DETAIL
(NTS)

NOTES:
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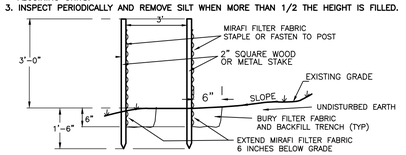
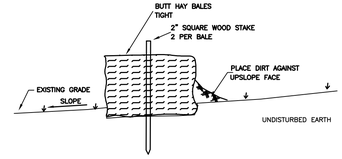
2. JOIN SILT FENCE SECTIONS BY OVERLAPPING END STAKES TO PREVENT SILT FROM BYPASSING ADJOINING UNITS.
3. INSPECT PERIODICALLY AND REMOVE SILT WHEN MORE THAN 1/2 THE HEIGHT IS FILLED.



DOUBLE ROW
MIRAFI FILTER FABRIC–SILT FENCE DETAIL
(NTS)



1. EXCAVATE 4" TRENCH AND PLACE FILL UPSLOPE OF TRENCH
2. STAKE HAYBALES WITH STAKE ANGLED TOWARD LAST BALE STAKE 18" MIN INTO GROUND
3. PLACE EXCESS FILL ALONG UP HILL SIDE OF DAM

HAY BALE
EROSION CONTROL BARRIER
SECTION DETAIL (NTS)

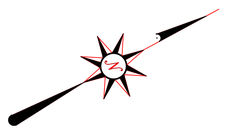
ANTI–TRACKING APRON
(NTS)

CONSTRUCTION SEQUENCE

1. Prior to starting construction, inspect existing silt fences and repair or replace as required. Install additional fences where indicated on the plans.
2. Install anti–tracking apron. Clean existing sediment basin.
3. Regrade site as shown on plans.
4. Begin construction of new building.
5. Loam and seed all slopes as soon as completed.
6. Install drainage and discharge to sediment basin. Install temp. sediment sacks in all catchbasin.
7. Install utilities and connect to building.
8. Install septic system. Encase pipe in area of storm drainage pipes.
9. Construct retaining walls where shown on plans. When completed, stablize disturbed areas.
10. Place driveway subbase and binder course of pavement.
11. Install curbing and backfill, loam and seed as soon as possible.
12. Clean out sediment basin and contruct permenent water quality basin
13. Install site landscaping.
14. When all site construction is completed, place finish pavement course.
15. Stablize all remaining disturbed areas.
16. After site is totally stabilized, remove all remaining sediment controls.

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OR AFFIXED WITH THE LIVE STAMP OF THE SIGNATORY.

LARRY EDWARDS, P.E. No. 10937



LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- TEMPORARY SEDIMENT TRAP
- HAY BALE DAM
- SF — SINGLE ROW SILT FENCE
- DSF — DOUBLE ROW SILT FENCE
- TEMP. DIVERSION BERM
- WB — TEMP. WATER BREAK
- STONE BERM
- STONE CHECK DAM
- CL — CLEARING/DISTURBANCE LIMIT
- WETLAND LIMITS
- WRL — 100' WETLAND REVIEW LIMIT
- CE — CONSERVATION EASEMENT
- DE — DRAINAGE EASEMENT
- WOODLINE/TREELINE

0 40' 80' 120'

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98 ENTERPRISE DRIVE
MONROE, CONNECTICUT

REVISIONS

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11	4/9/20	engineering comm.

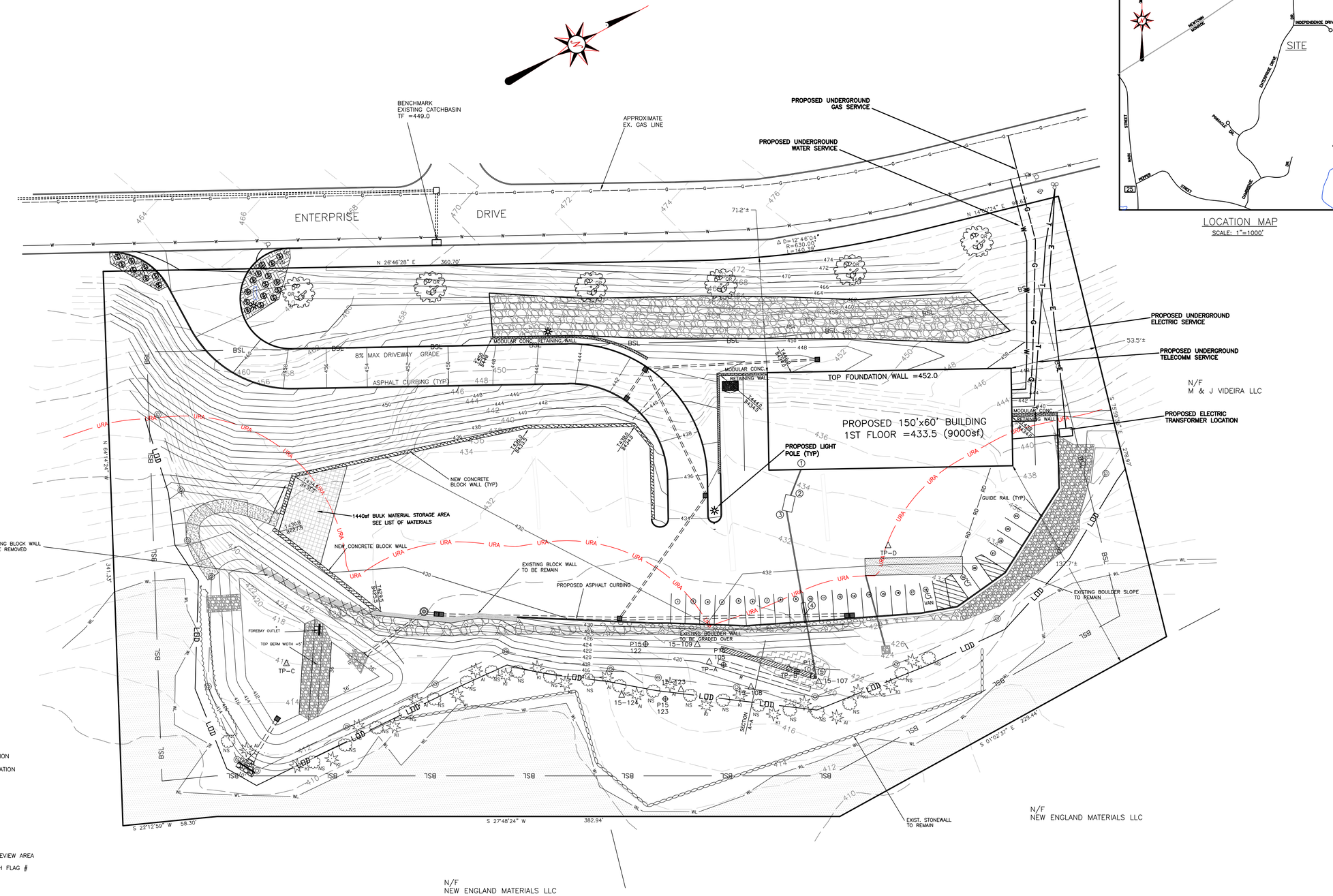
DATE: OCTOBER 1, 2017
PROJECT #: 2133
DRAWING FILE: SITE PLAN
DRAWN BY: LE
SCALE: 1"=40'

TITLE

EROSION CONTROL PLAN

SHEET NUMBER

EC–1



LOCATION MAP
SCALE: 1"=1000'

LEGEND

- EXISTING CONTOUR
- PROPOSED CONTOUR
- 520.2 EXISTING SPOT ELEVATION
- 520.2 PROPOSED SPOT ELEVATION
- PROPOSED DRAINAGE
- W WATER SERVICE
- G GAS LINE
- SIGN
- MAILBOX
- WL WETLANDS LIMIT
- URA WETLANDS UPLAND REVIEW AREA
- 25 INLAND WETLANDS WITH FLAG #
- OBSERVATION HOLE
- PERCOLATION TEST
- CATCH BASIN
- FLARED END
- WATERCOURSE
- PROPOSED POLE LIGHT
- LOD LIMIT OF DISTURBANCE
- PROPOSED RIP RAP
- PROPOSED STANDARD ASPHALT SURFACE
- PROPOSED WETLAND MARKER

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON.
THIS MAP IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OR AFFIXED WITH
THE LIVE STAMP OF THE SIGNATORY.

LARRY EDWARDS, P.E. No. 10937

0 30' 60' 90'

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www.jedwardsassoc.com

98 ENTERPRISE DRIVE
MONROE, CONNECTICUT

REVISIONS

#	DATE	DESCRIPTION
1	11/1/17	BUILDING LOC.
2	1/15/18	WETLAND APP
3	2/27/18	WETLAND COMMENTS
4	3/26/18	WETLAND COMMENTS
5	5/22/18	WETLAND APPROVAL
6	7/12/18	T.E. COMMENTS
7	11/28/18	BUILDING SIZE
8	10/3/19	zoning comments
9	12/16/19	MISC.
10	2/26/20	MISC.
11	4/9/20	engineering comm.

DATE: OCTOBER 1, 2017
PROJECT #: 2133
DRAWING FILE: SITE PLAN
DRAWN BY: LE
SCALE: 1"=30'

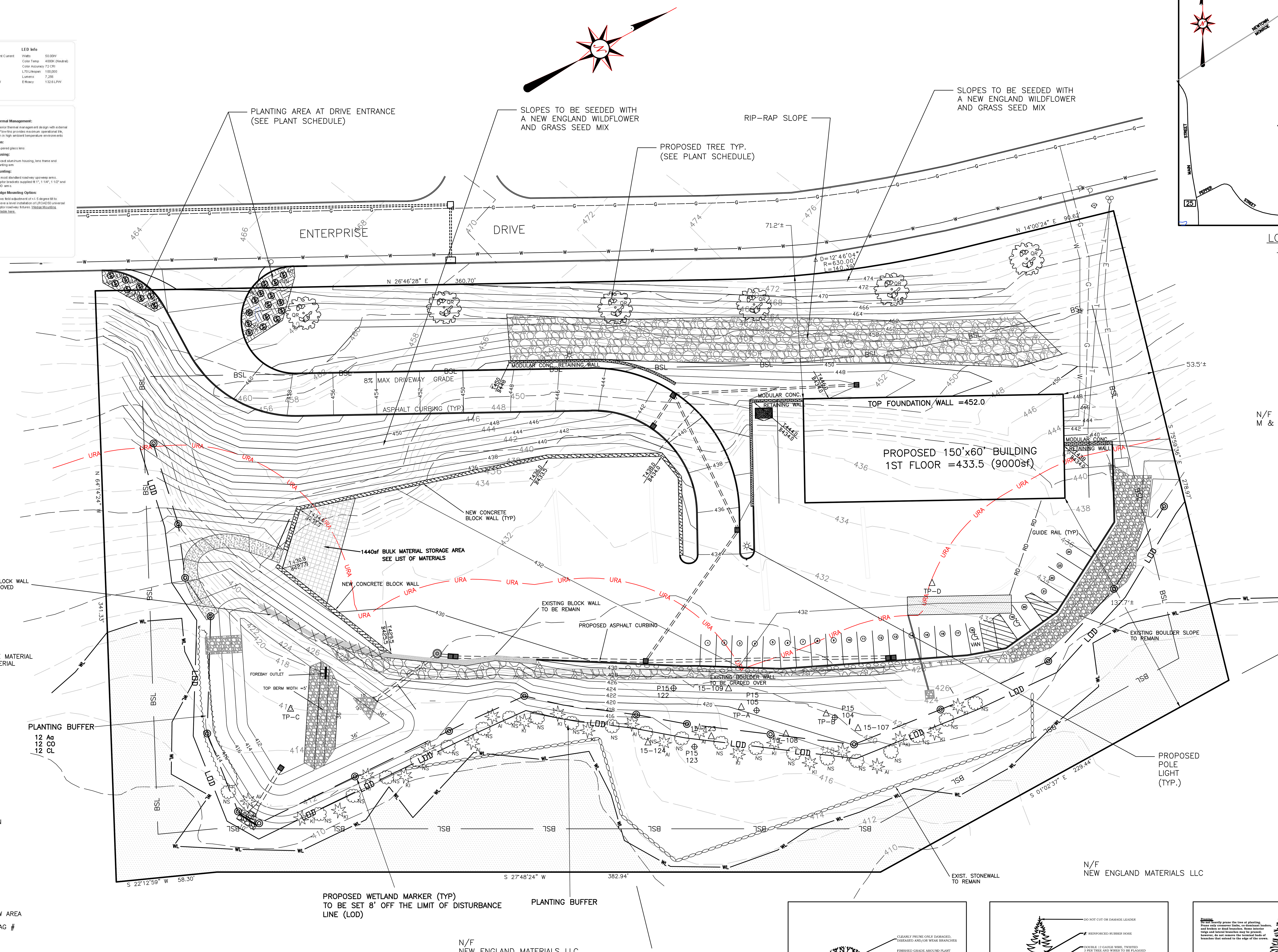
TITLE

UTILITY PLAN

SHEET NUMBER

U-1

RWLED4T50N/PCT



LEGEND

	EXISTING CONTOUR
	PROPOSED CONTOUR
520.2	EXISTING SPOT ELEVATION
520.2	PROPOSED SPOT ELEVATION
	PROPOSED DRAINAGE
	WATER SERVICE
G	GAS LINE
	SIGN
	MAILBOX
WL	WETLANDS LIMIT
URA	WETLANDS UPLAND REVIEW AREA
	INLAND WETLANDS WITH FLAG #
	OBSERVATION HOLE
	PERCOLATION TEST
	CATCH BASIN
	FLARED END
	WATERCOURSE
	PROPOSED POLE LIGHT
LOD	LIMIT OF DISTURBANCE
	PROPOSED RIP RAP
	PROPOSED STANDARD ASPHALT SURFACE
	PROPOSED WETLAND MARKER

TO MY KNOWLEDGE AND BELIEF, THIS MAP IS SUBSTANTIALLY CORRECT AS NOTED HEREON. THIS MAP IS NOT VALID UNLESS EMBOSSED WITH THE SEAL OR AFFIXED WITH THE LIVE STAMP OF THE SIGNATORY.

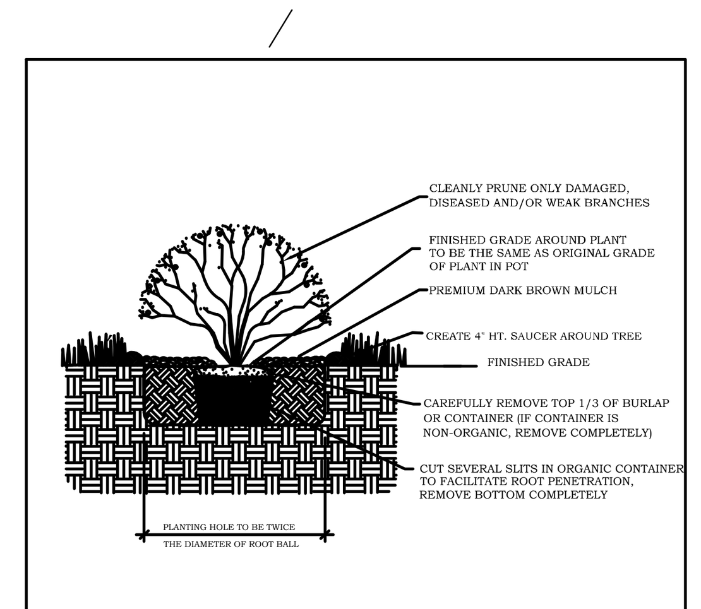
LARRY EDWARDS, P.E. No. 10937

WETLAND BUFFER PLANTING LIST

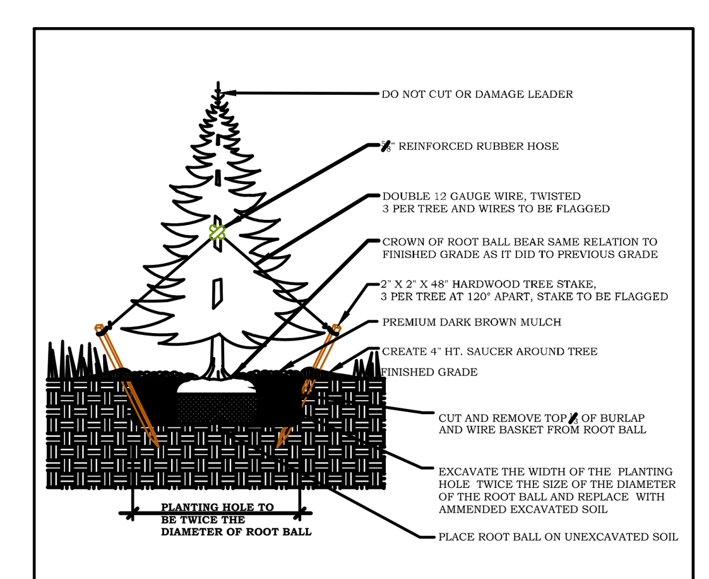
	COMMON NAME	#	SIZE
Aa	RED CHOKEBERRY	12	3-4'
CO	BUTTONBUSH	12	3-4"
CL	SWEET PEPPERBUSH	12	3-4'
NS	NORWAY SPRUCE	22	6'
KI	MOUNTAIN LAUREL	13	3-4'
AI	SPECKED ALDER	9	3-4'

SITE PLANTINGS

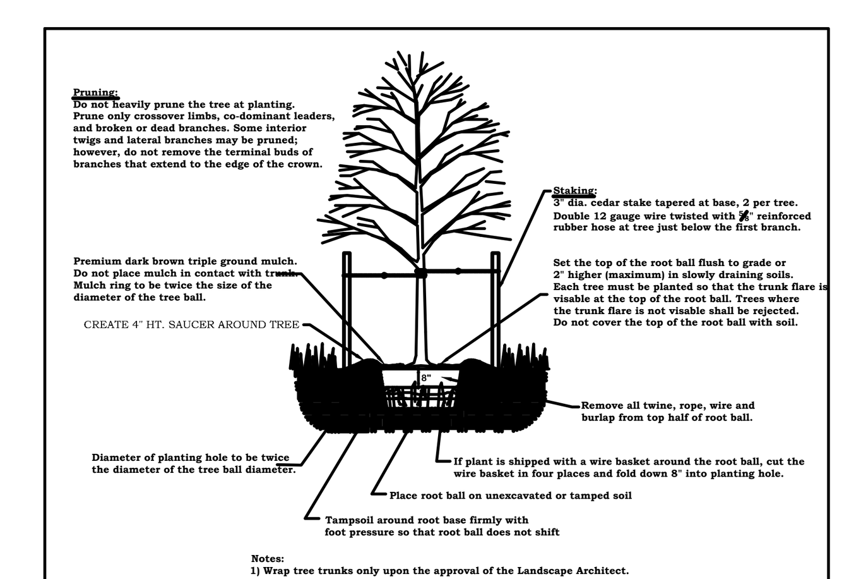
JUN	COMMON JUNIPER	7	1 GAL
AD	ANDROMEDA	5	1 GAL
QR	NORTHERN RED OAK	6	2-3"



Shrub Planting Detail

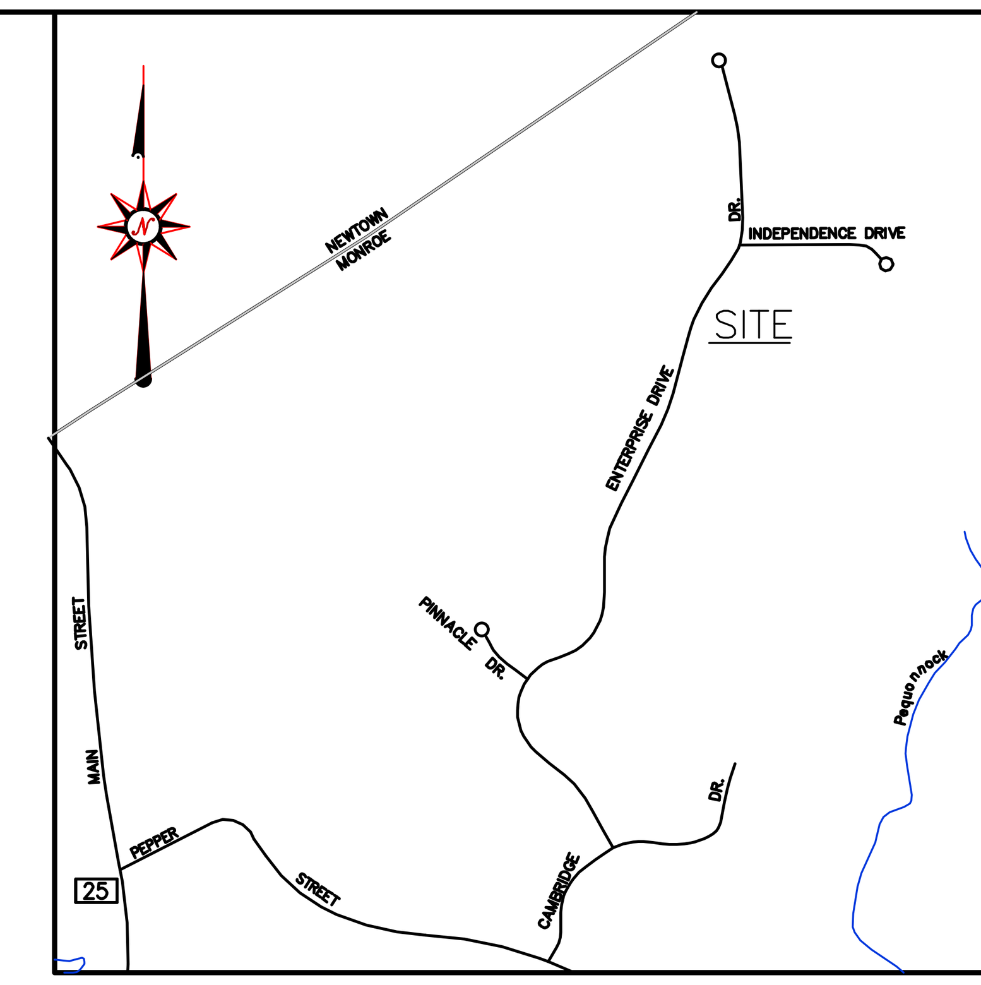


Evergreen Planting Detail



Tree Planting Detail

0 30' 60' 90'



LOCATION MAP
SCALE: 1"=1000'

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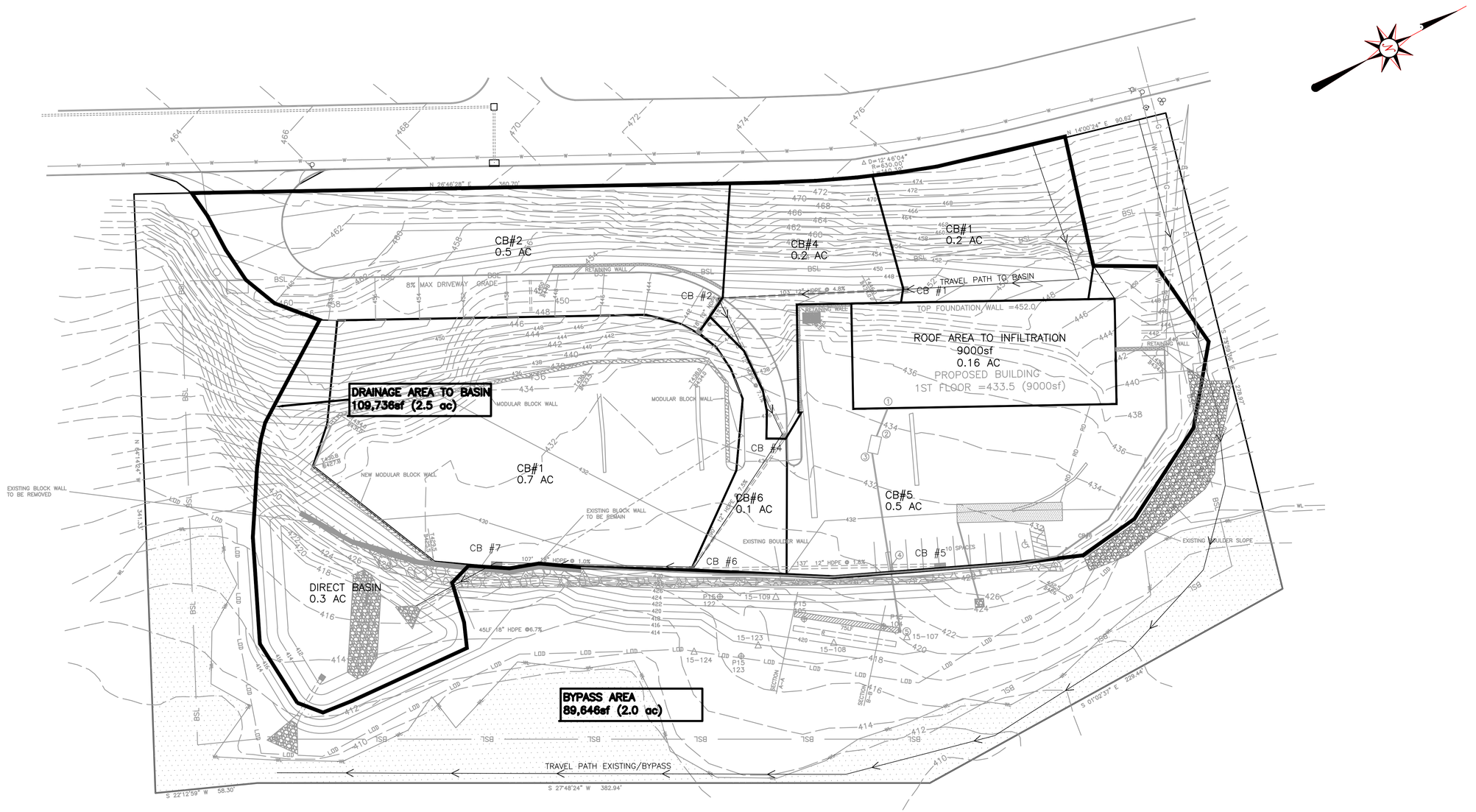
DATE: OCTOBER 1, 2017
PROJECT #: 2133
DRAWING FILE: SITE PLAN
DRAWN BY: LE
SCALE: 1"=30'

TITLE

LANDSCAPE & LIGHTING PLAN

SHEET NUMBER

L-1



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DATE: OCTOBER 1, 2017
PROJECT #: 2133
DRAWING FILE: SITE PLAN
DRAWN BY: LE
SCALE: 1"=30'

TITLE

DRAINAGE MAP

SHEET NUMBER

DM–1

FOUNDATION NOTES AND SPECIFICATIONS

EXCAVATION PREPARATION:

1. IDENTIFY REQUIRED LINES, LEVELS, AND DATUM. IDENTIFY KNOWN UNDERGROUND, ABOVE-GROUND, AND AERIAL UTILITIES. STAKE AND FLAG LOCATIONS.
2. PROTECT ABOVE AND BELOW GRADE UTILITIES WHICH ARE TO REMAIN.
3. PROTECT PLANT LIFE, LAWNS, ROCK OUTCROPPING, AND OTHER FEATURES REMAINING AS A PORTION OF FINAL LANDSCAPING.
4. PROTECT BENCHMARKS, EXISTING PAVING, EXISTING SIDEWALKS, AND CURBS FROM EXCAVATION EQUIPMENT AND VEHICULAR TRAFFIC.
5. CONTRACTOR SHALL ENGAGE THE SERVICES OF A TESTING COMPANY TO VERIFY THE SOILS ON WHICH THE FOOTINGS WILL SIT UPON WILL SUPPORT A MIN. OF 3,000psi.

EXCAVATION:

1. EXCAVATE SOIL AND DEPOSIT IN PROTECTED PILES ON SITE, IN LOCATIONS TO BE DESIGNATED BY THE SITE ENGINEER.
2. UNDERPIN ADJACENT STRUCTURES WHICH MAY BE DAMAGED BY EXCAVATION WORK, INCLUDING UTILITIES AND PIPE TRENCHES OR CHASES.
3. EXCAVATE SUBSOIL REQUIRED TO ACCOMMODATE BUILDING FOUNDATIONS, SLABS-ON-GRADE, PAVING, DECK FOOTINGS AND CONSTRUCTION OPERATIONS.
4. SUBGRADE SOIL PREPARATION, IF UNSUITABLE SOIL IS ENCOUNTERED, SHALL BE TO REMOVE ALL UNSUITABLE MATERIALS FROM BELOW PROPOSED STRUCTURE FOUNDATIONS AND COMPACT EXPOSED SOIL SURFACES. PLACE AND COMPACT APPROVED GRAVEL FILL. FILL SHALL BE COMPACTED IN LAYERS NOT TO EXCEED 10" BEFORE COMPACTION.
5. MANUALLY SLOP BANKS ADJACENT TO FOOTINGS TO ANGLE OF REPOSE OR LESS, UNTIL SHORED. EXCAVATION CUT SHALL NOT INTERFERE WITH NORMAL BEARING SPLAY OF ANY EXISTING FOUNDATIONS.
6. GRADE TOP PERIMETER OF EXCAVATION TO PREVENT SURFACE WATER FROM DRAINING INTO FOUNDATION.
7. HAND TRIM FOUNDATION EXCAVATIONS. REMOVE LOOSE MATTER.
8. REMOVE LUMPED SUBSOIL, BOULDERS, AND ROCK UP TO 1/2 CU YD MEASURED BY VOLUME. ALL LARGER MATERIAL IS TO BE BROKEN UP AND REMOVED FROM THE SITE.
9. NOTIFY SITE ENGINEER OF UNEXPECTED SUBSURFACE CONDITIONS AND DISCONTINUE AFFECTED WORK IN AREA UNTIL NOTIFIED TO RESUME WORK.
10. STOCKPILE EXCAVATED MATERIAL SUITABLE FOR BACKFILL IN AREA OF SITE TO BE DESIGNATED BY SITE ENGINEER. PREVENT MINGLING BACKFILL MATERIALS WITH TOPSOIL. REMOVE EXCESS MATERIALS NOT BEING REUSED FROM SITE.

EXCAVATION PROTECTION:

1. PROTECT EXCAVATIONS BY METHODS REQUIRED TO PREVENT CAVE-IN OR LOOSE SOIL FROM FALLING INTO EXCAVATION.
2. ALL SOIL SURROUNDING AND UNDER ALL FOOTINGS SHALL BE PROTECTED FROM FREEZING AND FROST DURING THE COURSE OF CONSTRUCTION.
3. PROTECT EXCAVATED AREAS WITH FENCING OR OTHER BARRIERS TO PREVENT WORKERS FROM ACCIDENTALLY ENTERING THE AREA.

CONCRETE MATERIALS:

1. FOOTINGS AND WALLS: CONCRETE USED IN FOUNDATION WALLS AND FOOTINGS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 psi AT 28 DAYS.
2. SLABS: PORCH, GARAGE AND CONCRETE EXPOSED TO THE WEATHER SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 psi AT 28 DAYS.
3. NO ADDED WATER ALLOWED IN EXCESS OF APPROVED MIX.
4. AIR ENTRAINMENT- MIN. 5% MAX. 7%
5. MAXIMUM WATER SOLUBLE CHLORIDE ION CONCENTRATIONS IN HARDENED CONCRETE SHALL NOT EXCEED 0.30 PERCENT (0.003) BY WEIGHT OF CEMENT. THIS INCLUDES, BUT IS NOT LIMITED TO, CONTRIBUTIONS FROM WATER, AGGREGATES, CEMENTITIOUS MATERIALS, AND ADMIXTURES. CALCIUM CHLORIDE OR ANY ADMIXTURE CONTAINING CHLORIDE SALTS SHALL NOT BE USED IN CONCRETE.
6. REINFORCING STEEL SHALL CONFORM TO ASTM A615 AND BE 60,000psi YIELD STRENGTH.
7. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185.

CONCRETE PLACEMENT:

1. ALL FOOTINGS ARE TO REST ON FIRM UNDISTURBED SOIL, REGARDLESS OF ELEVATIONS SHOWN ON DRAWINGS. ALL "TOF" (TOP OF FOOTING) ELEVATIONS ARE INDICATED ON THE FOUNDATION PLAN. ALL ELEVATIONS ARE GIVEN WITHRESPECT TOTHE BENCH MARK ELEVATION BOTTOM OF ALL EXTERIOR FOOTINGS SHALLBE AT LEAST 42" BELOW FINISHED GRADES.
2. PENETRATE EACH SUCCESSIVE LAYER WITH VIBRATOR IN ORDER TO ELIMINATE VOIDS AND "COLD JOINTS".
3. WHERE STEP FOOTINGS ARE REQUIRED, SLOPE EXCAVATION FOR BOTTOM OF FOOTINGS AT THE RATE OF 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL.
4. ALL REINFORCEMENT SHALL BE CONTINOUS UNLESS OTHERWISE NOTED. SPLICES SHALL BE WELL STAGGERED. ADDITIONAL BARS AND SPECIAL BENDING DETAILS ARE REQUIRED AT INTERSECTING WALLS AND AT JOINTS. SUCH DETAILS SHALL COMPLY WITH ACI 315 RECOMMENDATIONS UNLESS OTHERWISE APPROVED.
5. UNLESS OTHERWISE NOTED, ALL LAP SPLICES SHALL BE CLASS "C". SEE ACI 315 FOR TABULATION OF DEVELOPMENT AND SPLICE LENGTHS.
6. VERTICAL CONSTRUCTION JOINT SPACING IN FOUNDATION WALLS SHALL NOT EXCEED 35' INTERMEDIATE SPACING NOR 20' FROM ANY CORNER OR INTERSECTING WALL. JOINTS SHALL BE KEYED; HORIZONTAL REINFORCEMENT SHALL EXTEND THROUGH JOINTS.
7. SHEAR KEYS (1 1/2"x 3") SHALL BE PROVIDED IN ALL CONCRETE WALLS AND BETWEEN FOOTINGS AND WALLS.
8. CONTROL JOINTS IN SLAB ON GRADE ARE TO BE PROVIDED AT COLUMN LINES AND AT SLAB CORNERS. SAW CUT 1/8" WIDE AND TO DEPTH EQUAL TO 1/4 OF SLAB THICNESS. CONSTRUCTION JOINTS AS REQUIRED SHALL BE KEYED AND LOCATED AT CONTROL JOINT INTERVALS.
9. WALL AND SLAB SURFACES SHALL BE SEALED WITH A RESIN BASE CURING/SEALING COMPOUND CONFORMING TO ASTM C309. APPLY CURING COMPOUND IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
10. BUILD INTO CONCRETE ALL PRODUCTS SO SPECIFIED AND INDICATED. COORDINATE WITH OTHER TRADES.

BACKFILLING:

1. CONTRACTOR TO HAVE A SOILS ENGINEER TO VERIFY FILL MATERIALS TO BE USED ARE ACCEPTABLE.
2. SYSTEMATICALLY BACKFILL TO ALLOW MAXIMUM TIME FOR NORMAL SETTLEMENT. DO NOT BACKFILL OVER POROUS, WET, FROZEN, OR SPONGY SUDGRADE SURFACES.
3. WHERE EARTH WILL BE ON ONE SIDE OF FOUNDATIONWALLS, BACKFILL AND COMPACTION SHALL NOT START UNTILL FLOOR SLAB OR PERMANENT BRACING ARE IN PLACE OR ADEQUATE TEMPORAY BRACING IS PROVIDED FORWALL SUPPORT. WHERE EARTH WILL BE ON BOTH SIDES OF WALLS, BACKFILL SHALL BE PLACED SIMULTANEOUSLY SO THAT MAXIMUM GRADE DIFFERENCE IS LIMITED TO TWELVE (12) INCHES.
4. PLACE AND COMPACT MATERIALS IN CONTINUOUS LAYERS NOT EXCEEDING TEN (10) INCHES COMPACTED DEPTH.
5. EMPLOY A PLACEMENT METHOD THAT DOES NOT DISTURB OR DAMAGE FOUNDATION PERIMETER DRAINAGE, FOUNDATION DAMPPROOFING, AND UTILITIES IN TRENCHES.
6. SLOPE GRADE AWAY FROM BUILDING MINIMUM 6 INCHES IN 10 FEET UNLESS NOTED OTHERWISE.
7. MAKE GRADE CHANGES GRADUAL. BLEND SLOPE INTO LEVEL AREAS.
8. REMOVE SURPLUS BACKFILL MATERIALS FROM SITE. LEAVE FILL MATERIAL STOCKPILE AREAS COMPLETELY FREE OF EXCESS MATERIALS.

BACKFILLING PROTECTION:

1. RECOMPACT FILLS SUBJECTED TO VEHICULAR TRAFFIC, OR DISTURBED BY CONSTRUCTION OPERATIONS. DO NOT PERMIT LOAM, VEGATABLE MATTER OR ORGANIC DEBRIS TO BECOME INCORPORATED INTO FILL.

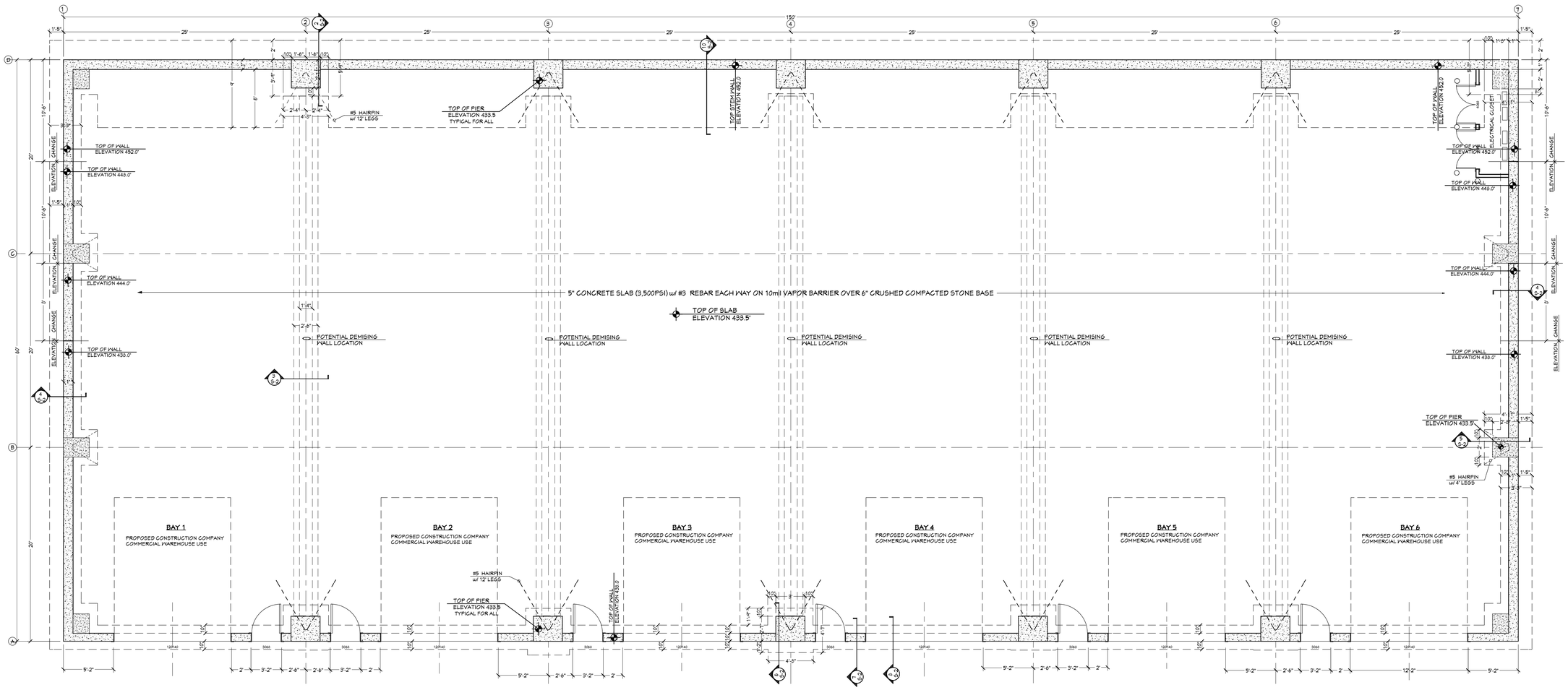
GENERAL NOTES:

FOUNDATION CONTRACTOR SHALL PROVIDE THE COMPANY NAME AND CONTACT INFO OF THE CONCRETE SUPPLIER AND COMPANY NAME AND CONTACT INFO OF THE CONCRETE INSTALLER TO THE BUILDING DEPARTMENT PRIOR TO FINIAL INSPECTION.

WATER, GAS AND SEWER LOCATIONS TO BE FIELD COORDINATED OR SEE SITE PLAN

DIMENSIONS ON THIS PLAN REFERENCE FACES OF CONCRETE FOUNDATION WALLS AND PT SILL PLATES ABOVE WHERE INDICATE BY FLOOR PLANS

CONTRACTOR SHALL ASSUMES ALL RESPONSIBILITIES FOR COORDINATING PROVIDING ACCESS FOR DUCT AND PLUMBING CHASES BELOW CONCRETE SLABS AND THROUGH FOUNDATION WALLS AS REQUIRED BY OTHER TRADES.



1 / S-1 FOUNDATION PLAN
3/16" = 1' - 0"

REVISIONS:
REVISED 11-18-19
REVISED 11-27-19
REVISED 10-25-20

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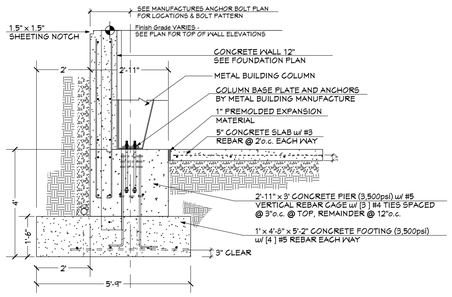
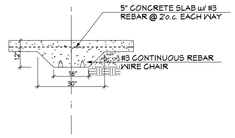
DRAWING NO.
S-1

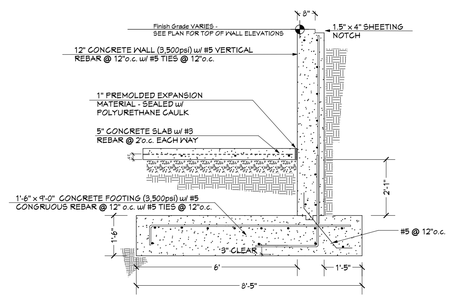
DATE: 8-27-2019
SCALE: AS NOTED



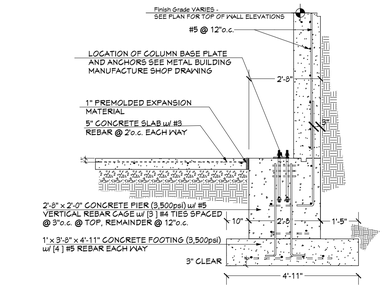
2 COLUMN - PIER & FOOTING
S-2 — 3/8" = 1' - 0"



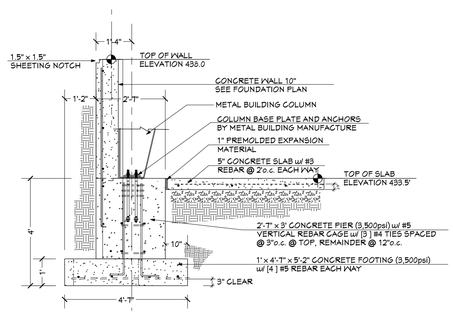
3 DIVIDER WALL FND. SECTION
S-2 — 3/8" = 1' - 0"



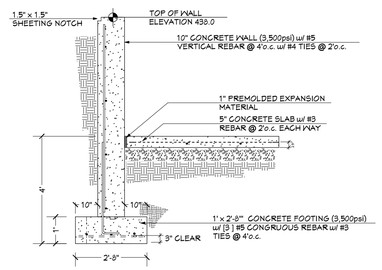
4 REAR & SIDE FND WALL DETAIL
S-2 — 3/8" = 1' - 0"



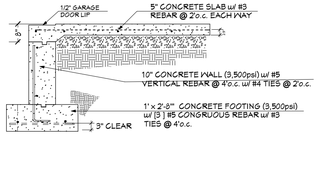
5 END WALL FOOTING DETAIL
S-2 — 3/8" = 1' - 0"



6 COLUMN - PIER & FOOTING
S-2 — 3/8" = 1' - 0"



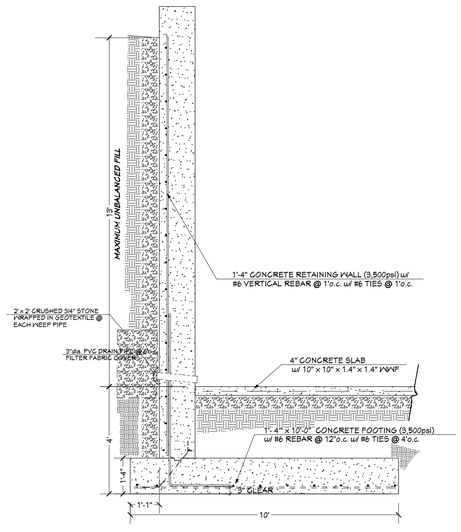
7 FRONT FND WALL SECTION
S-2 — 3/8" = 1' - 0"

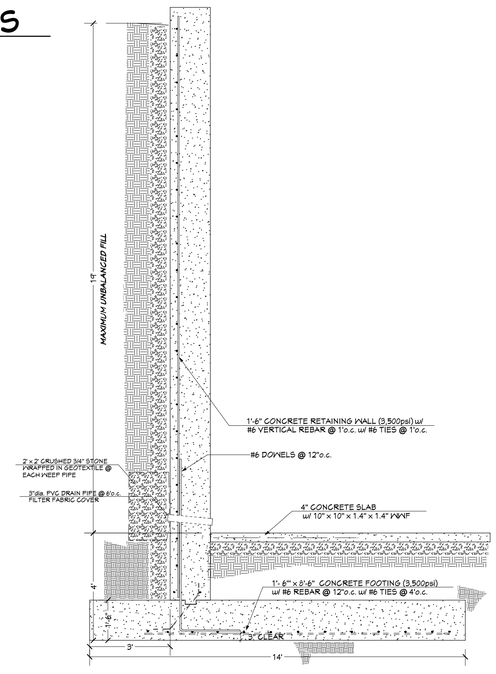


8 THICKENED EDGE @ DOORS
S-2 — 3/8" = 1' - 0"

SEE MANUFACTURES ANCHOR BOLT DETAILS FOR PLACEMENT DIMENSIONS WITHIN PIERS AND BOLT PATTERN SPACING

10 COLUMN - PIER & FOOTING
S-2 — 3/8" = 1' - 0"





9 RETAINING WALL
S-2 — 3/8" = 1' - 0"
SEE SITE PLAN FOR LOCATIONS

REVISIONS:
REVISED 11-18-19
REVISED 11-27-19

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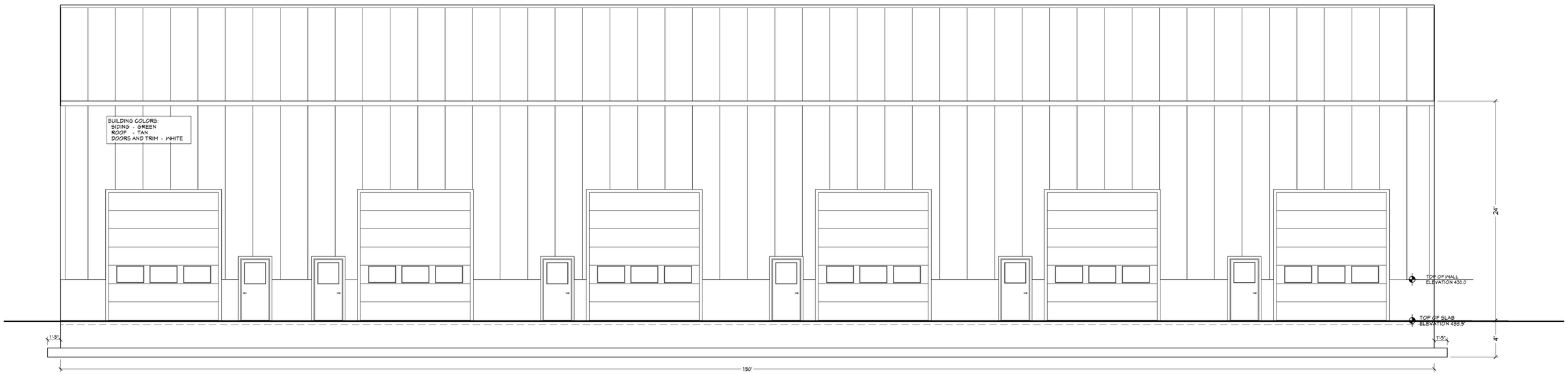
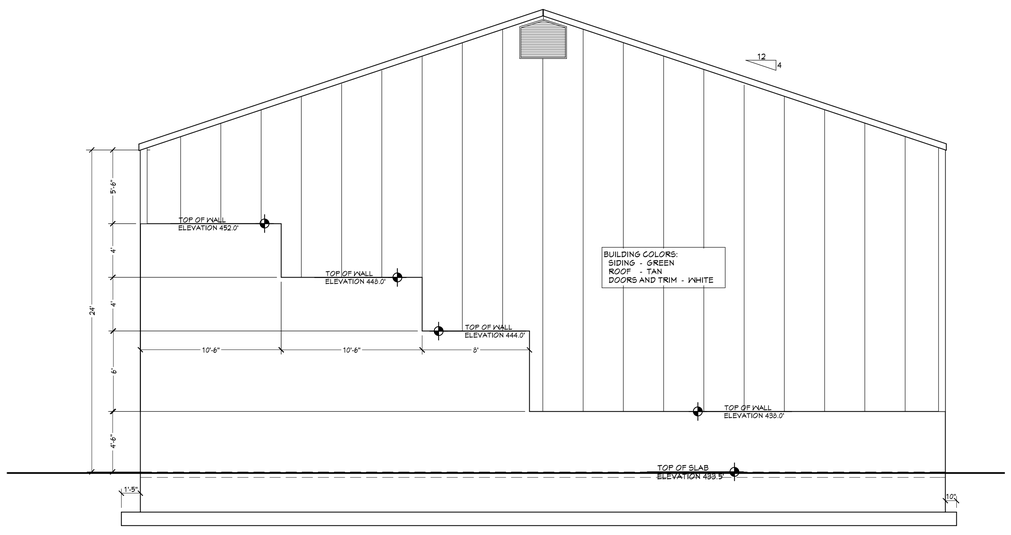
DRAWING NO.
S-2

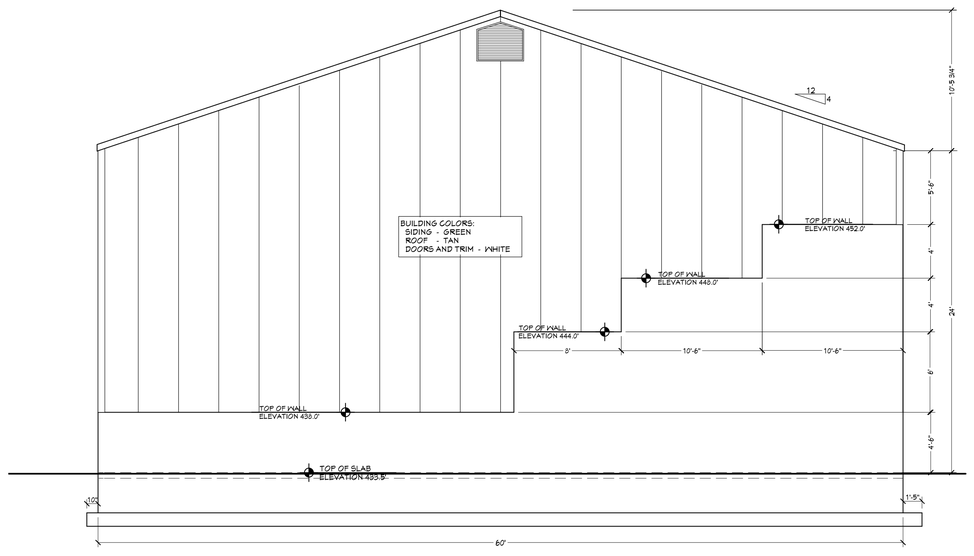
DATE: 8-27-2019
SCALE: AS NOTED



1 FRONT ELEVATION
S-3 3/16" = 1' - 0"



2 LEFT SIDE ELEVATION
S-3 3/16" = 1' - 0"



3 RIGHT SIDE ELEVATION
S-3 3/16" = 1' - 0"

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REVISED 11-18-19
REVISED 11-27-19

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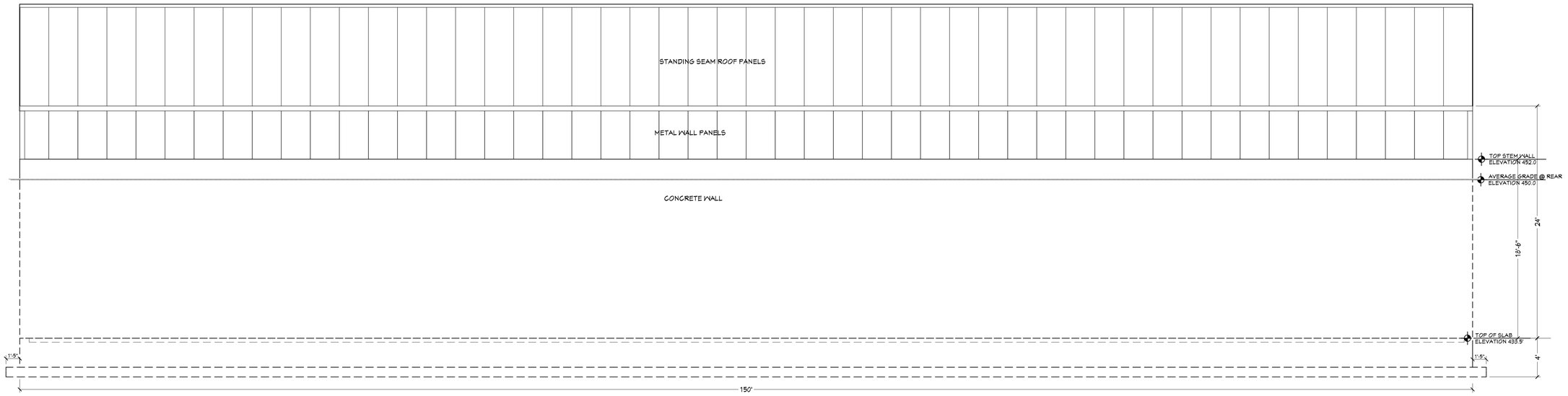
DRAWING NO.
S-3

DATE: 8-27-2019
SCALE: AS NOTED



1 REAR ELEVATION

S-4 3/16" = 1' - 0"

REVISIONS:

REVISED 11-18-19
REVISED 11-27-19

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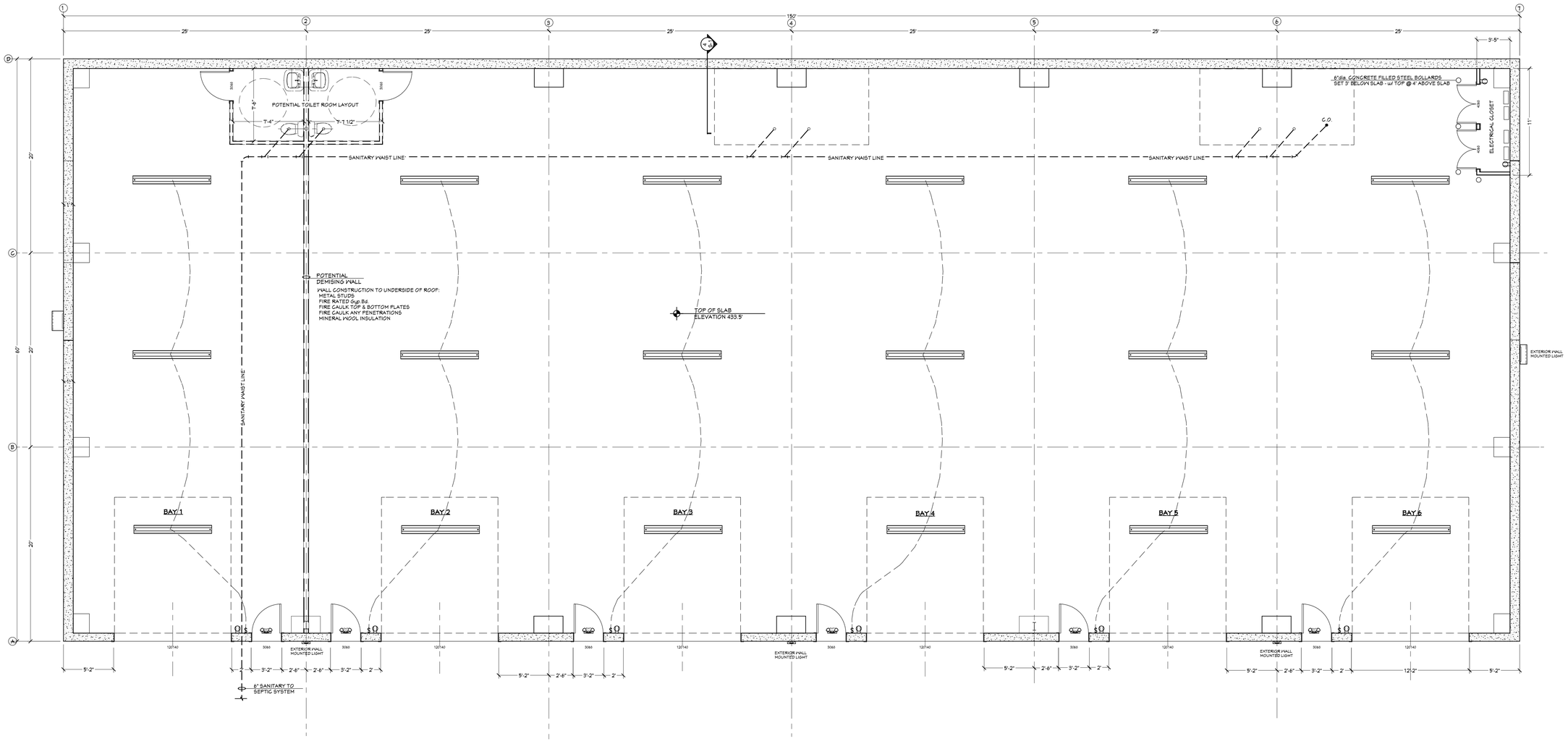
MONROE, CT

DRAWING NO.

S-4

DATE: 8-27-2019
SCALE: AS NOTED



1 MEP PARTIAL PLAN
ME-1 3/16" = 1' - 0"

REVISIONS:

REVISED 11-18-19
REVISED 11-27-19

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NEW COMMERCIAL BUILDING
98 ENTERPRISE DRIVE
MONROE, CT

DRAWING NO.
ME-1

DATE: 8-27-2019
SCALE: AS NOTED

Calculation Summary											
Label	**CalcType**	**Units**	**Avg**	**Max**	**Min**	**Avg/Min**	**Max/Min**	**Description**	**PtSpcLr**	**PtSpcTb**	**Meter Type**
Parking Lot	Illuminance	Fc	0.60	6.1	0.0	N.A.	N.A.		10	10	Horizontal

Luminaire Schedule			All quotes/orders generated from this layout must be forwarded to the Local Rep Agency				
Symbol	**Qty**	**Tag**	**Label**	**Arrangement**	**LLF**	**Description**	**BUG Rating**
	5		WPLED26	SINGLE	1.000	WPLED26-WPLED26_D10 (WALLPACK) - ALED26-ALED26_D10 (AREA LIGHTER)	B1-U0-G1
	2		RWLED3T50	SINGLE	1.000	ALED3T50 - RWLED3T50 - RWLED3T50SF - WPLED3T50 (TYPE III)	B1-U0-G2
	1		RWLED3T50 - 3H	3 @ 90 DEGREES	1.000	ALED3T50 - RWLED3T50 - RWLED3T50SF - WPLED3T50 (TYPE III)	B1-U0-G2

Expanded Luminaire Location Summary				
Label	**X**	**Y**	**MTG HT**	**Orient**
RWLED3T50 - 3H	562.5	352.55	20	270
RWLED3T50 - 3H	563.95	354	20	360
RWLED3T50 - 3H	561.05	354	20	180
RWLED3T50	282.669	473.946	20	180
WPLED26	632.573	380.049	15	270
WPLED26	670	380.841	15	270
WPLED26	594.1	401	15	180
WPLED26	743	401	15	0
WPLED26	708.074	381.588	15	270
RWLED3T50	456	463	20	270
Total Quantity: 10				

NOTES:
* The light loss factor (LLF) is a product of many variables, only lamp lumen depreciation (LLD) has been applied to the calculated results unless otherwise noted. The LLD is the result (quotient) of mean lumens / initial lumens per lamp manufacturers' specifications.

* Illumination values shown (in footcandles) are the predicted results for planes of calculation either horizontal, vertical or inclined as designated in the calculation summary. Meter orientation is normal to the plane of calculation.

* The calculated results of this lighting simulation represent an anticipated prediction of system performance. Actual measured results may vary from the anticipated performance and are subject to means and methods which are beyond the control of Holbrook-Associated.

* Mounting height determination is job site specific, our lighting simulations assume a mounting height (insertion point of the luminaire symbol) to be taken at the top of the symbol for ceiling mounted luminaires and at the bottom of the symbol for all other luminaire mounting configurations.

* It is the Owner's responsibility to confirm the suitability of the existing or proposed poles and bases to support the proposed fixtures, based on the weight and EPA of the proposed fixtures and the owner's site soil conditions and wind zone. It is recommended that a professional engineer licensed to practice in the state the site is located be engaged to assist in this determination.

* The landscape material shown hereon is conceptual, and is not intended to be an accurate representation of any particular plant, shrub, bush, or tree, as these materials are living objects, and subject to constant change. The conceptual objects shown are for illustrative purposes only. The actual illumination values measured in the field will vary.

* Photometric model elements such as buildings, rooms, plants, furnishings or any architectural details which impact the dispersion of light must be detailed by the customer documents for inclusion in the Holbrook-Associated lighting design model. Holbrook-Associated is not responsible for any inaccuracies caused by incomplete information on the part of the customer, and reserves the right to use best judgement when translating customer requests into photometric studies.

* RAB Lighting Inc. luminaire and product designs are protected under U.S. and International intellectual property laws. Patents issued or pending apply.

HOLBROOK-ASSOCIATED

Prepared For:
Electrical Wholesalers/USESI
Sal Germinaro
701 Middle Street
Middletown, CT 06457

Job Name:
Enterprise Drive

Lighting Layout
Exterior

Scale: as noted	Inside Rep: CRobbins
Date:3/13/2020	Outside Rep: FCreddo
Filename: 98 Enterprise.AGI	
Drawn By:JHolbrook	

Filename: C:\Users\jholbrook\Documents\AGI32 - Designs\2019 Designs\Misc. Designs\AGI Designs Prior to 10-21-19\98 Enterprise\98 Enterprise.AGI