



Received by the Conservation Commission, 11/7/23

## MEMORANDUM

*To:* **Town of Shutesbury Conservation Commission**

*From:* Berkshire Design Group

*Date:* November 2, 2023

*Project:* 59 Shore Drive Notice of Intent

*Re:* Plan Revisions, O&M Plan, Letters from LWA & Owner

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To the Members of the Shutesbury Conservation Commission,

On behalf of Donna and Gary West, owners of 57-59 Shore Drive, Berkshire Design Group respectfully submits the following documents in response to additional comments provided by the Shutesbury Conservation Commission, regarding the Notice of Intent (DEP File #WE 286-0300) originally submitted on July 11, 2018.

Included are the following documents:

1. Operations and Maintenance Plan for 59 Shore Dr.
2. Road Maintenance Letter from Lake Wyola Association, Dated October 31, 2023
3. Stormwater Maintenance Letter from Donna West, Dated October 31, 2023
4. Revised Plan Set, Dated November 2, 2023

Please let us know if there is anything else we can provide.

Thank you,

Doug Serrill

Berkshire Design Group

## **Stormwater Management System**

### ***Operation & Maintenance Plan***

#### **During Construction**

The Contractor shall be responsible for inspection and maintenance during construction.

At all times, siltation fabric fencing, stakes and straw bales/wattles, sufficient to construct a sedimentation control barrier a minimum of 50 feet long, shall be stockpiled on the site in order to repair established barriers which may be damaged or breached.

An inspection of all erosion control and stormwater management systems shall be conducted by the Contractor at least once a week and during all rainstorms until the completion of construction. In case of any noted breach or failure, the Contractor shall immediately make appropriate repairs to any erosion control system and notify the engineer of any problems involving stormwater management systems.

A rainstorm shall be defined as any of the following:

- A storm in which rain is predicted to last for twelve consecutive hours or more.
- A storm for which a flash flood watch or warning is issued.
- A single storm predicted to have a cumulative rainfall of greater than one-half inch.
- A storm not meeting the previous three thresholds, but which would mark a third consecutive day of measurable rainfall.

The Contractor shall also inspect the erosion control and stormwater management systems at times of significant increase in surface water runoff due to rapid thawing when the risk of failure of erosion control measures is elevated.

In such instances as remedial action is necessary, the Contractor shall repair any and all significant deficiencies in erosion control systems within two days.

The Shutesbury Department of Public Works shall be notified of any significant failure of stormwater management systems or erosion and sediment control measures and shall be notified of any release of pollutants to a water body (stream, brook, pond, etc.).

The Contractor shall remove the sediment from behind the fence of the sedimentation control barrier when the accumulated sediment has reached one-half of the original installed height of the barrier.

## **Post-Construction**

### Stormwater Management System Owner:

Donna West

### Party Responsible for Operation & Maintenance:

Donna West

### Inspection & Maintenance Schedule & Log:

1) *Deep-Sump Hooded Drain Manhole & Yard Drain*

Manholes should be inspected at least two times per year and cleaned annually or more often if required. Oil and sediments should be removed and disposed of in accordance with local, state and federal guidelines and regulations. In the case of an oil or bulk pollutant release, the system must be cleaned immediately following the spill and the proper authorities notified.

2) *Water Quality Swale*

The water quality swale shall be inspected monthly for sediment build-up, litter and debris, structural damage, and standing water. Any eroded areas shall be repaired on a monthly basis. Dead vegetation shall be removed and replaced twice per year (spring and fall). The grassed area surrounding the water quality swale shall be mown at a minimum of twice a year and up to twelve times a year. Water quality swale shall be pruned annually in the early spring. Remove invasive species as needed to prevent spread. Treat diseased vegetation as needed.



Lake Wyola Association  
Shutesbury, MA

[lakewyolabod@gmail.com](mailto:lakewyolabod@gmail.com)

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October 31, 2023

Miriam DeFant, Chair

Shutesbury Conservation Commission

1 Cooleyville Rd.

Shutesbury MA 01072-0276

via email: [concom@shutesbury.org](mailto:concom@shutesbury.org)

Dear Ms. DeFant:

The purpose of this letter is to confirm that LWA will be responsible for maintaining the stormwater management on the road abutting 59 Shore Drive. This will include all ditches, all culverts and road maintenance.

Sincerely,



George Abdow,

President

Donna West  
59 Shore Drive  
Shutesbury, MA 01072

October 31, 2023

Miriam DeFant, Chair  
Shutesbury Conservation Commission  
1 Cooleyville Rd.  
Shutesbury MA 01072-0276

via email: [concom@shutesbury.org](mailto:concom@shutesbury.org)

Dear Ms. DeFant:

The purpose of this letter is to confirm that I will be responsible for maintaining the stormwater management at my above property. This will include the following:

- 1) Deep-Sump Hooded Drain Manhole & Yard Drain Manholes should be inspected at least two times per year and cleaned annually or more often if required. Oil and sediments should be removed and disposed of in accordance with local, state and federal guidelines and regulations. In the case of an oil or bulk pollutant release, the system must be cleaned immediately following the spill and the proper authorities notified.
- 2) Water Quality Swale The water quality swale shall be inspected monthly for sediment build-up, litter and debris, structural damage, and standing water. Any eroded areas shall be repaired on a monthly basis. Dead vegetation shall be removed and replaced twice per year (spring and fall). The grassed area surrounding the water quality swale shall be mown at a minimum of twice a year and up to twelve times a year. Water quality swale shall be pruned annually in the early spring. Remove invasive species as needed to prevent spread. Treat diseased vegetation as needed.

Sincerely,



Donna West

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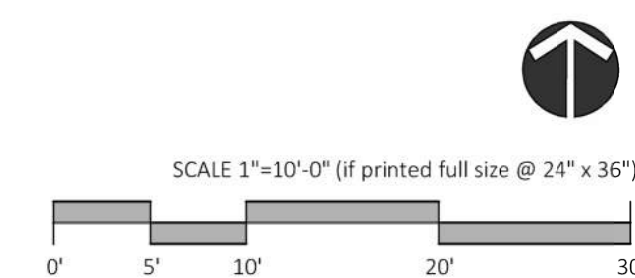
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Donna & Gary West

### Notice of Intent

59 Shore Drive  
Shutesbury, MA

### EXISTING SITE

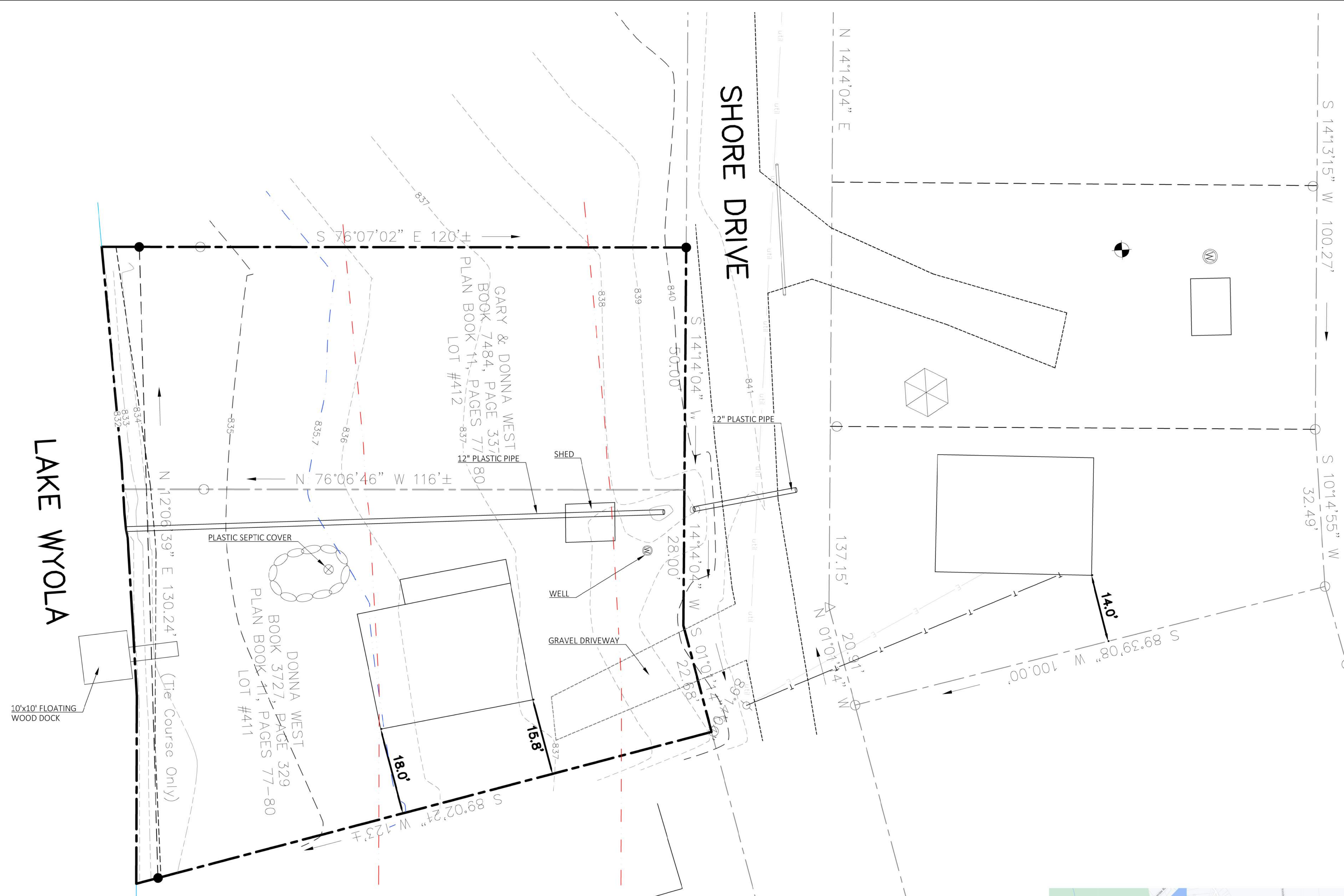
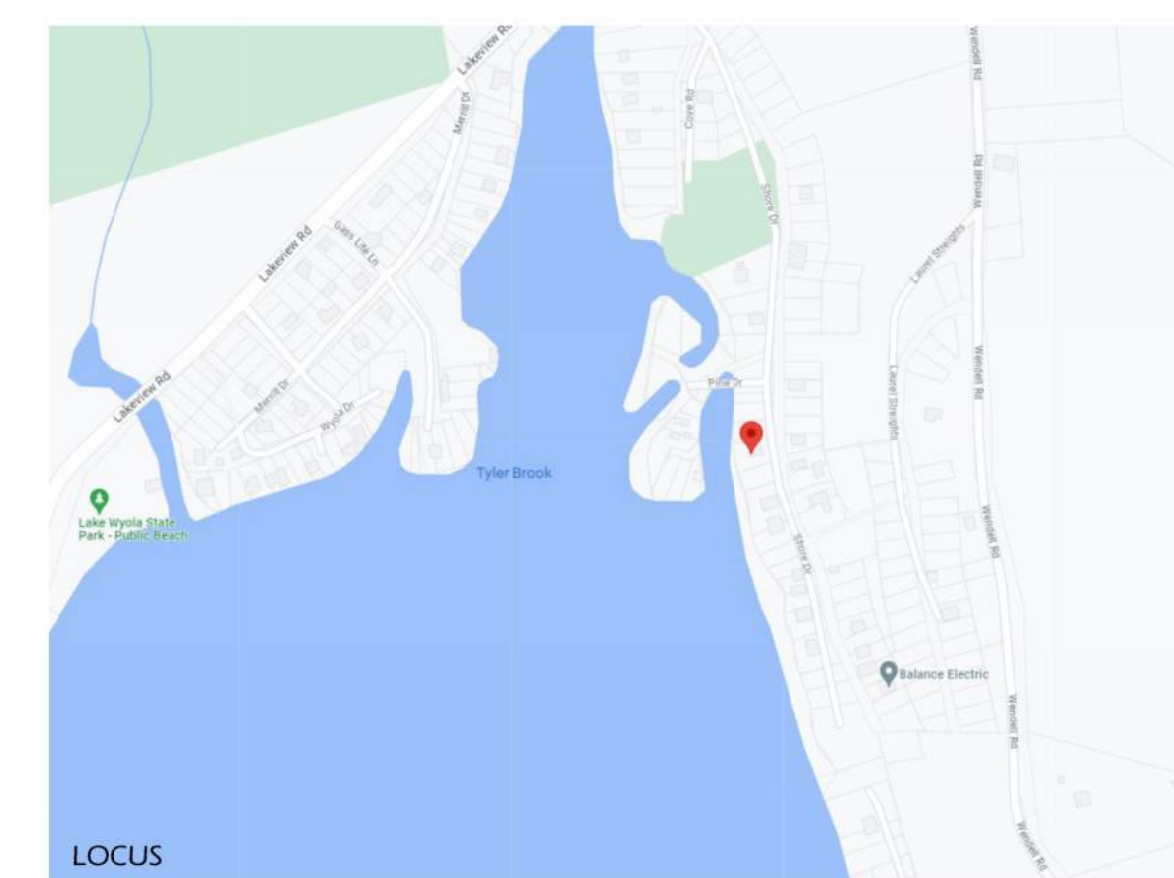


#### Revisions

September 28, 2023: Revised Site  
November 2, 2023

Date: July 10, 2023  
Scale: 1"=10'  
Drawn By: JDS  
Checked By: JDS

Sheet Number  
**L-100**



- EXISTING CONDITIONS NOTES**
- Existing conditions taken from a field survey done by Harold Eaton & Associates in January 2022.
  - Property lines shown are per deed research and field monuments.
  - The locations of existing underground utilities are shown in an approximate way only based on available data and all utilities may not be shown. Prior to construction, contractor shall call the "Dig Safe Center" at 1-800-322-4844 and have all utilities marked on the ground. The contractor shall be responsible for determining the exact location of all existing utilities before commencing work. The contractor agrees to be fully responsible for any and all damages which might be occasioned by his/her failure to exactly locate and preserve any and all utilities.

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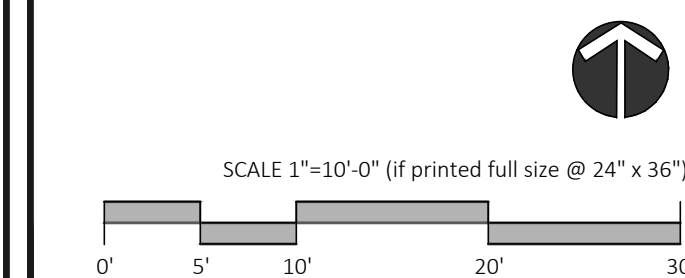
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Donna & Gary West

**Notice of Intent**

59 Shore Drive  
Shutesbury, MA

**SITE PLAN**



**Revisions**

September 11, 2023: Revised Elevations
September 28, 2023: Revised Site
November 2, 2023

Date:	July 10, 2023	Sheet Number
Scale:	1"=10'	<b>L-101</b>
Drawn By:	JDS	
Checked By:	JDS	

**ZONING TABLE**  
Lake Wyola Zoning District

	Required	Proposed
Minimum Lot Area	90,000 sf	13,520 sf
Minimum Road Frontage	250'	100'68"
Minimum Front Yard Setback	20'	21'
Minimum Side Yard Setback	15'	16'
Minimum Rear Yard Setback	15'	47'
Minimum Lake Setback	25'	45'
Maximum Height	28'	28'

**CONSERVATION SEEDING SCHEDULE**

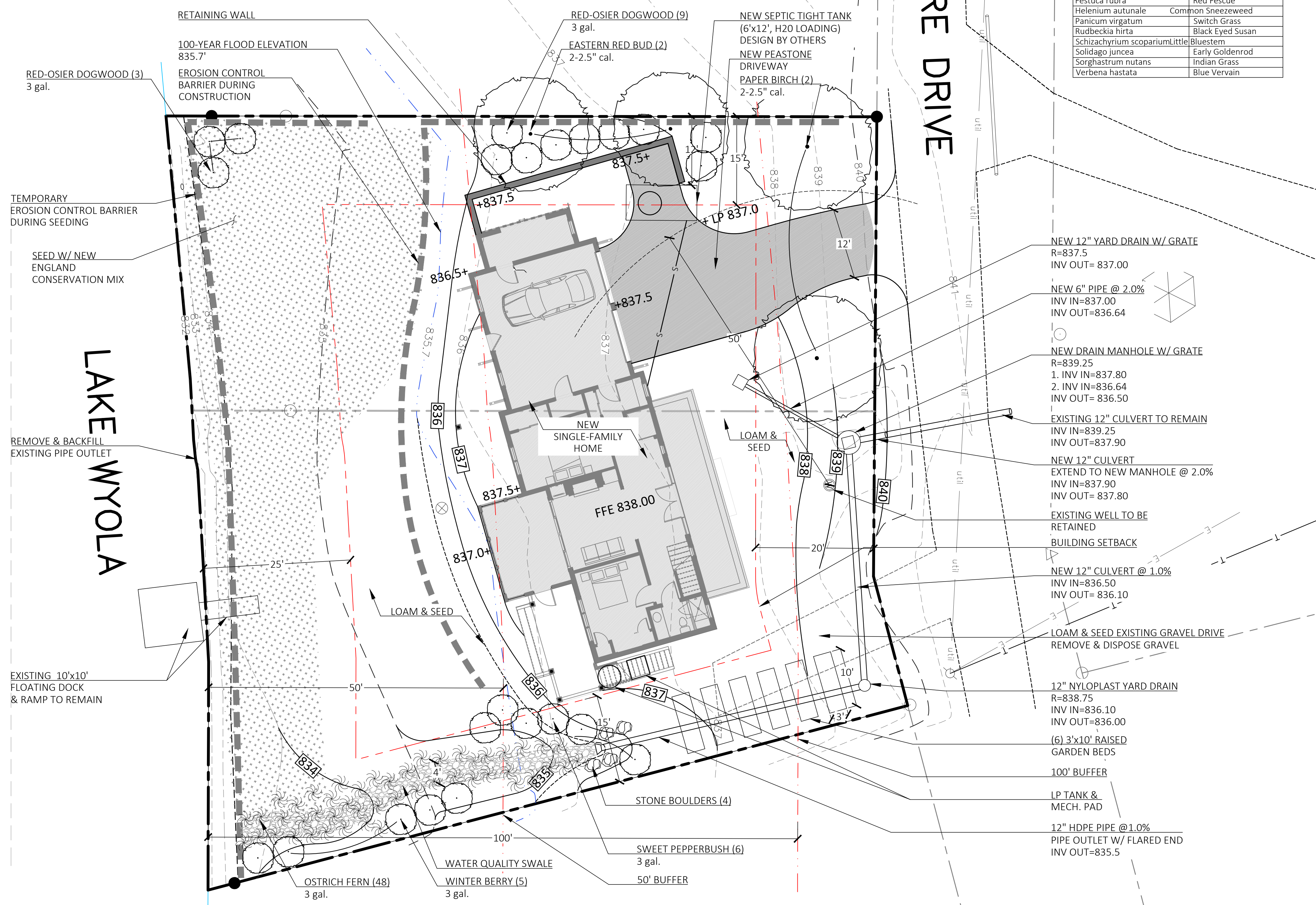
NEW ENGLAND CONSERVATION SEED MIX  
NEW ENGLAND WETLAND PLANTS  
1,750 SQ. FT./LB

SPECIES	COMMON NAME
Agrostis perennans	Upland Bentgrass
Andropogon gerardii	Big Bluestem
Asclepias tuberosa	Butterfly Milkweed
Aster pilosus/	Heath Aster
Symphyotrichum pilosum	Partridge Pea
Chamaecrista fasciculata	Panicledleaf Tick Trefoil
Desmodium paniculatum	Virginia Wild Rye
Elymus virginicus	Red Fescue
Festuca rubra	Common Sneezeweed
Helenium autumnale	Switch Grass
Panicum virgatum	Black Eyed Susan
Rudbeckia hirta	Little Bluestem
Schizachyrium scoparium	Early Goldenrod
Solidago juncea	Indian Grass
Sorghastrum nutans	Blue Vervain
Verbena hastata	

**LAWN SEEDING SCHEDULE**

SPECIES	COMMON NAME	% BY WIGHT
POA PRATENSIS	KENTUCKY BLUEGRASS	40%
FESTUCA RUBRA	CREeping RED FESCUE	40%
LOLIUM PERENNE	PERENNIAL RYEGRASS	20%

**SHORE DRIVE**



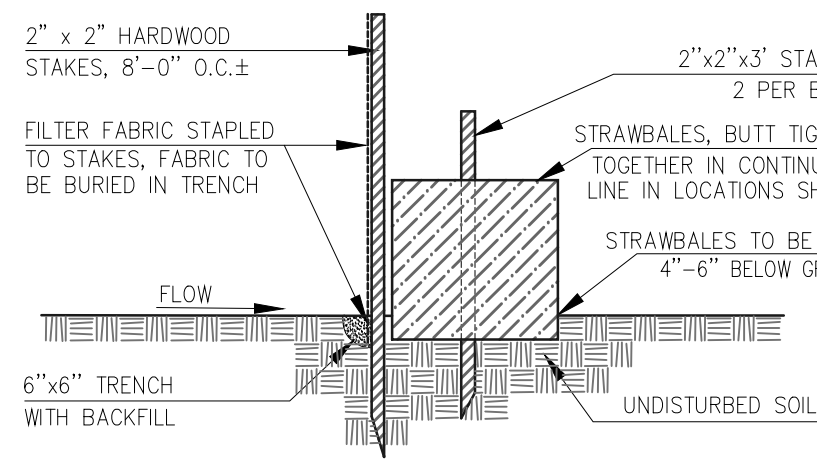
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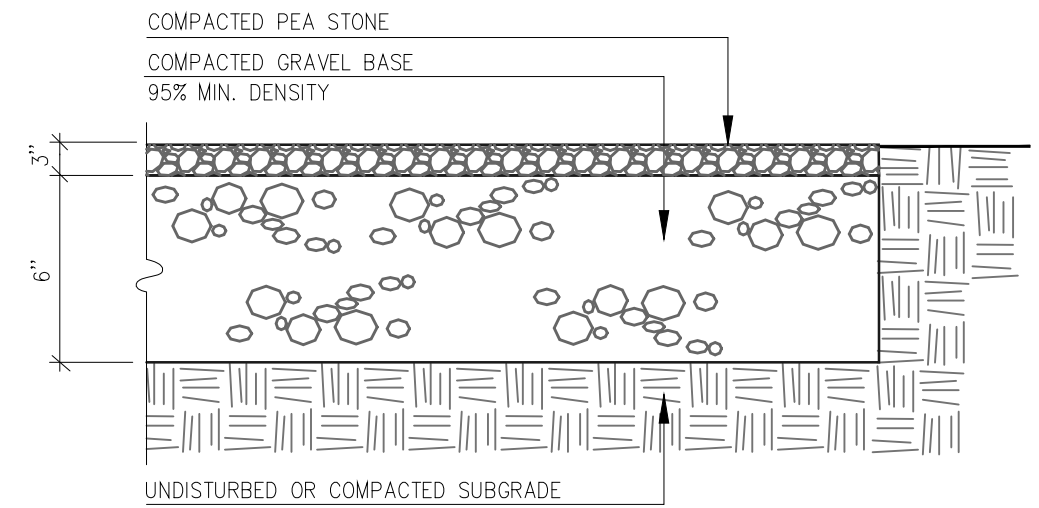
**DEMOLITION & EROSION CONTROL NOTES**

- Erosion control measures shall be incorporated in the sequence of construction to prevent sediment-laden runoff from leaving the site, and shall, where applicable, consist of at least the following procedures:
  - A siltation fence along downslope site boundaries prior to commencing any other work. Fence material shall be Mirafi 140N, Trevira 1127, or approved equal.
  - Temporary barrier of strawbales around catch basins and drain inlets to prevent sediment-laden runoff from entering drainage system.
  - New or regraded slopes of 3:1 or greater shall receive spread straw and/or seed and fertilizer as per plans. New or regraded slopes of 2:1 or greater shall be blanketed with Curlex erosion control matting, or approved equal; provide temporary slope erosion control where required.
  - Fill and grading shall be treated with slope stabilization seeding or ground cover and straw mulch upon completion.
- All strawbale and silt fence erosion and sedimentation checks shall be placed prior to beginning work as per the plan and as per the appropriate detail specification.
- Wherever strawbale or silt fence filters are used, they shall be maintained in good working condition until ground cover is reestablished. Silt fence shall be periodically cleaned as necessary to assure proper and effective functioning. Strawbales shall also be replaced as necessary, to provide adequate function.
- Natural vegetation shall be retained wherever feasible up to the scheduled start of construction activity in the area. Where possible, clearing shall immediately precede construction activity.
- No siltation shall be allowed into the wetlands on site, and no erosion of any bank edge shall be allowed under any circumstances.
- Soil stockpiles shall be shaped and seeded with temporary cover as per seeding specifications or mulched if grading is to be delayed over winter. The downhill toe-of-slope of all stockpiled soils shall be protected by staked strawbales or silt fence.
- If any questions arise regarding erosion and sedimentation control measures, the Project Landscape Architect shall be consulted immediately.

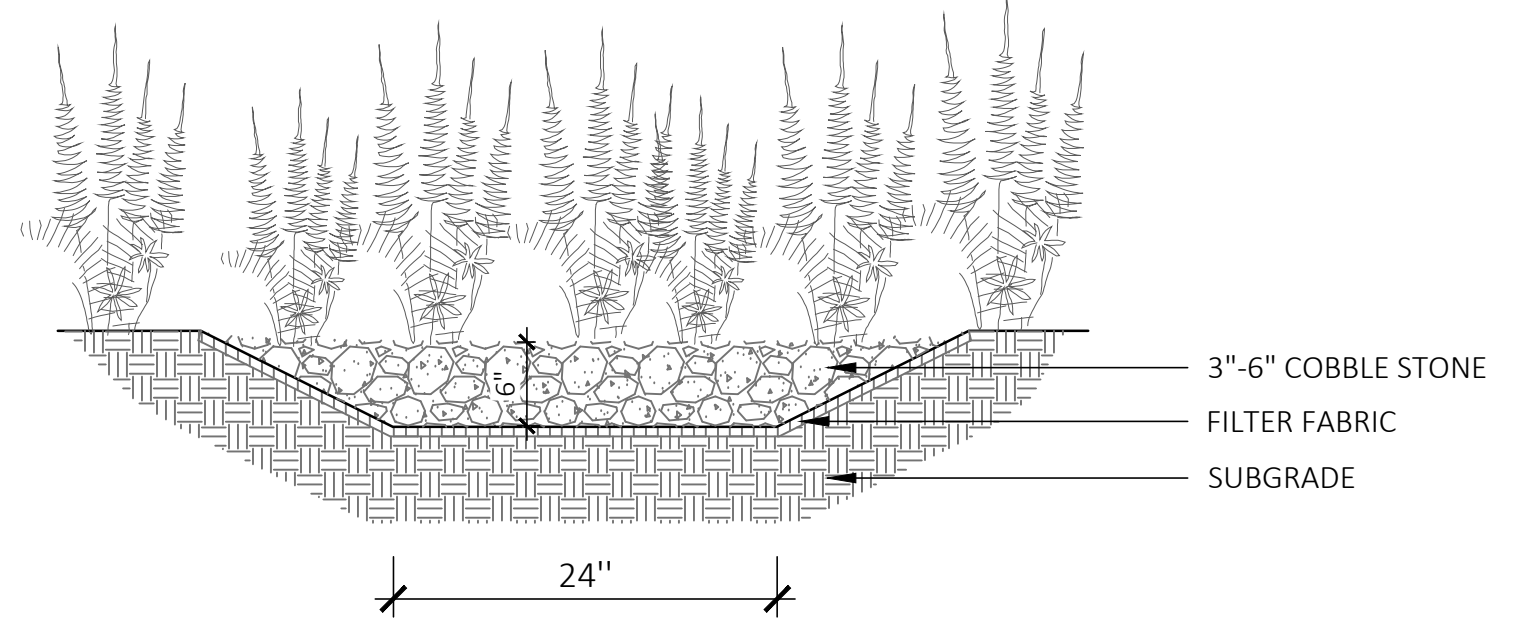
59 SHORE DRIVE, DESIGN PROCESS/DEMOLITION/SITE PLAN, JULY 10, 2023, 10:31 AM, PLOT DATE: 11/22/2023



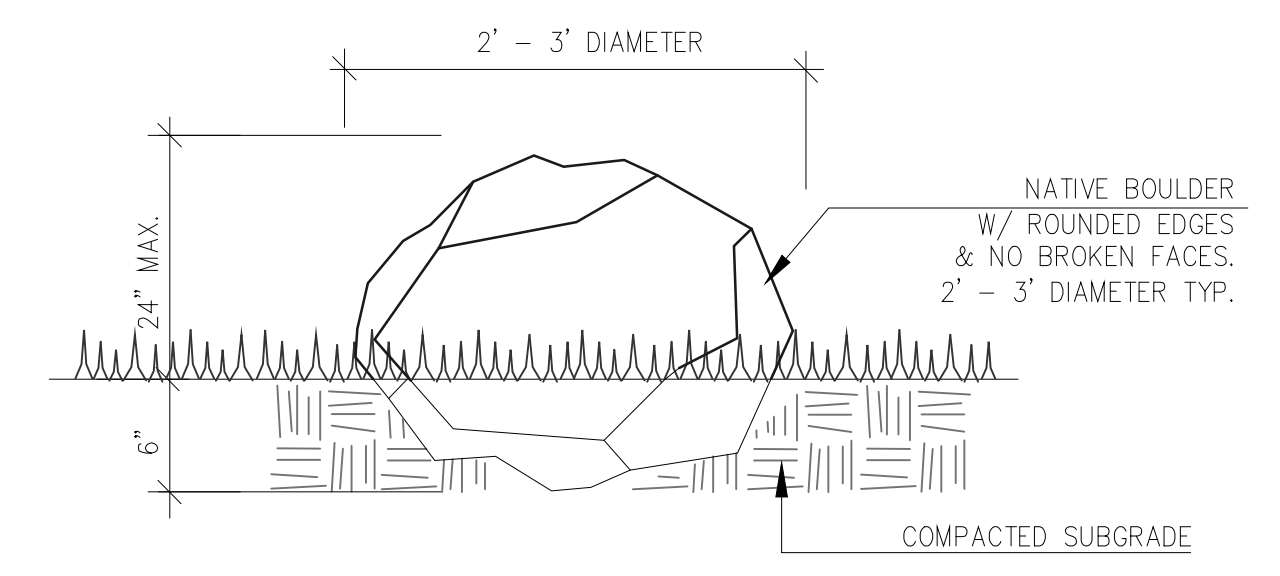
01 EROSION CONTROL BARRIER  
SCALE: NTS



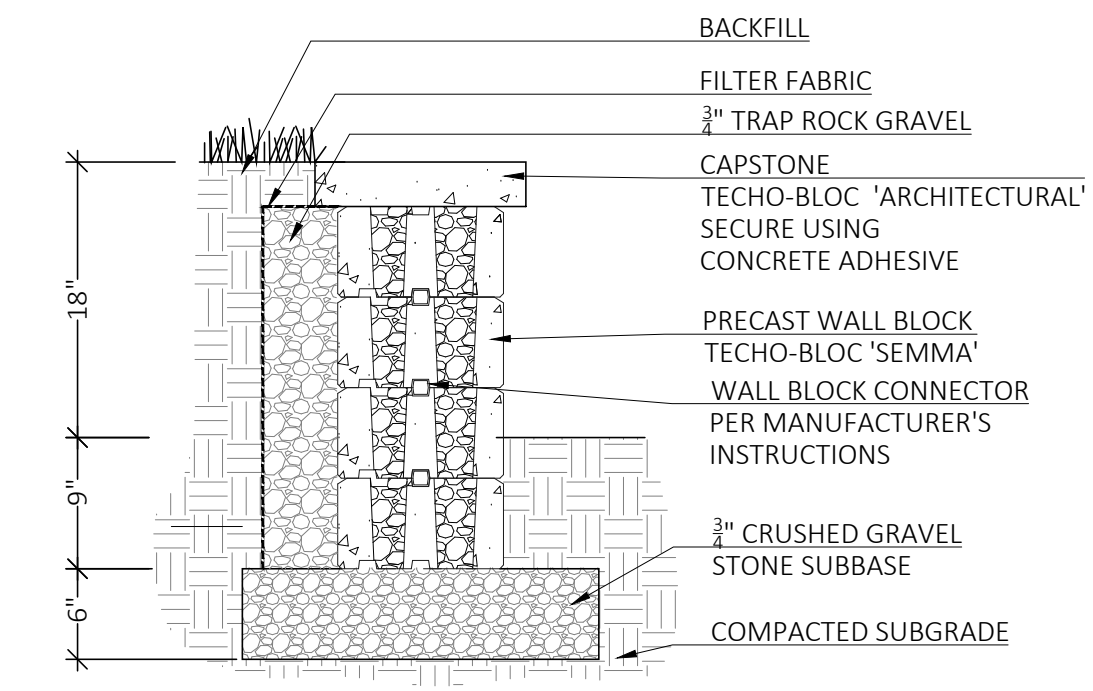
02 PEA STONE DRIVEWAY  
SCALE: NTS



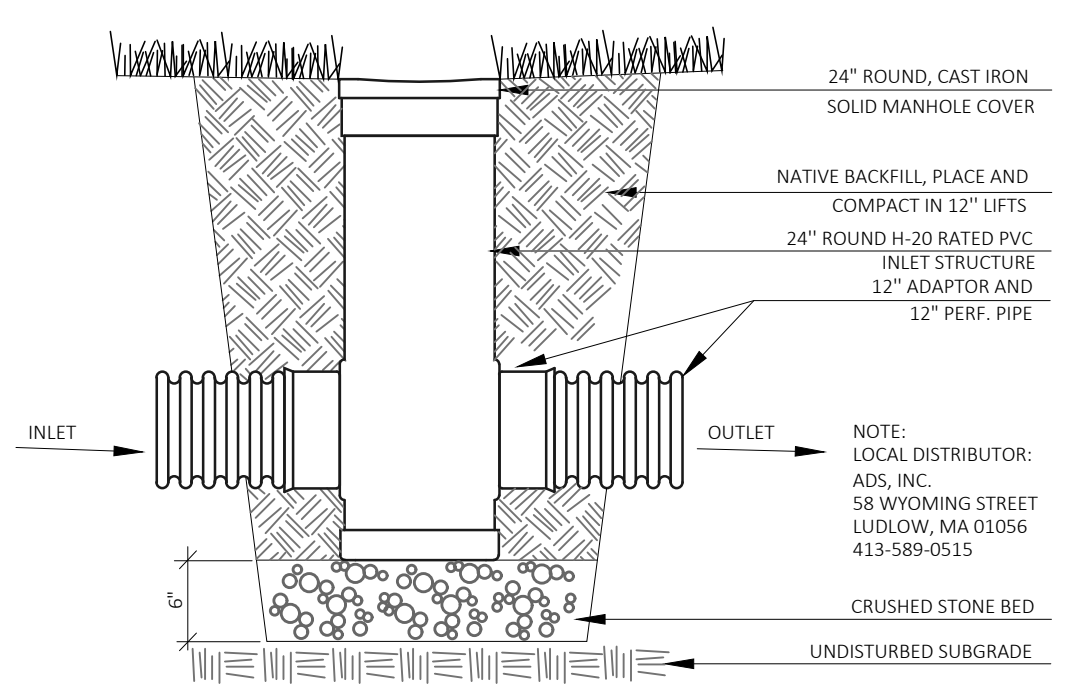
03 WATER QUALITY SWALE  
SCALE: NOT TO SCALE



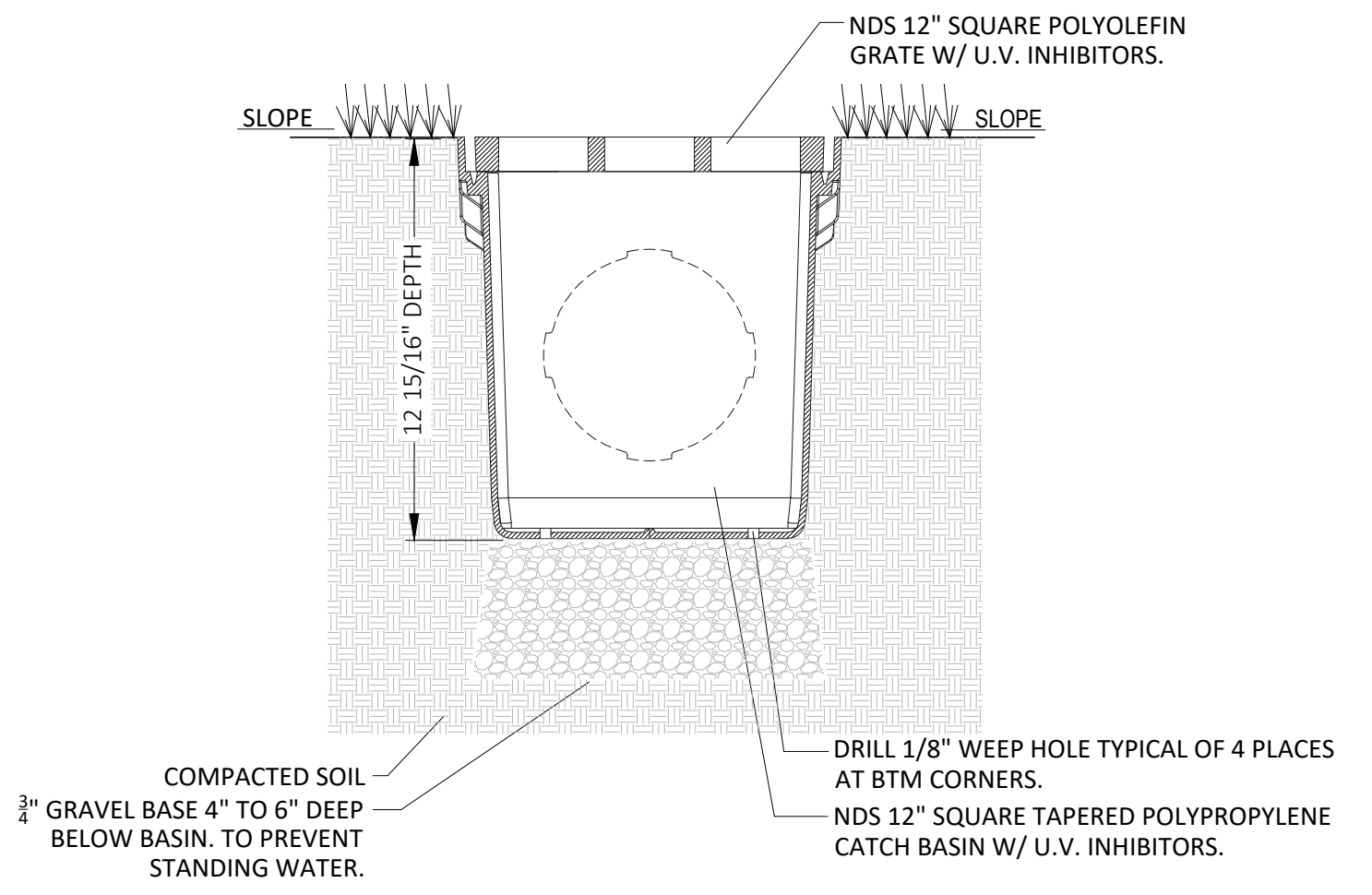
04 STONE BOULDERS  
SCALE: NTS



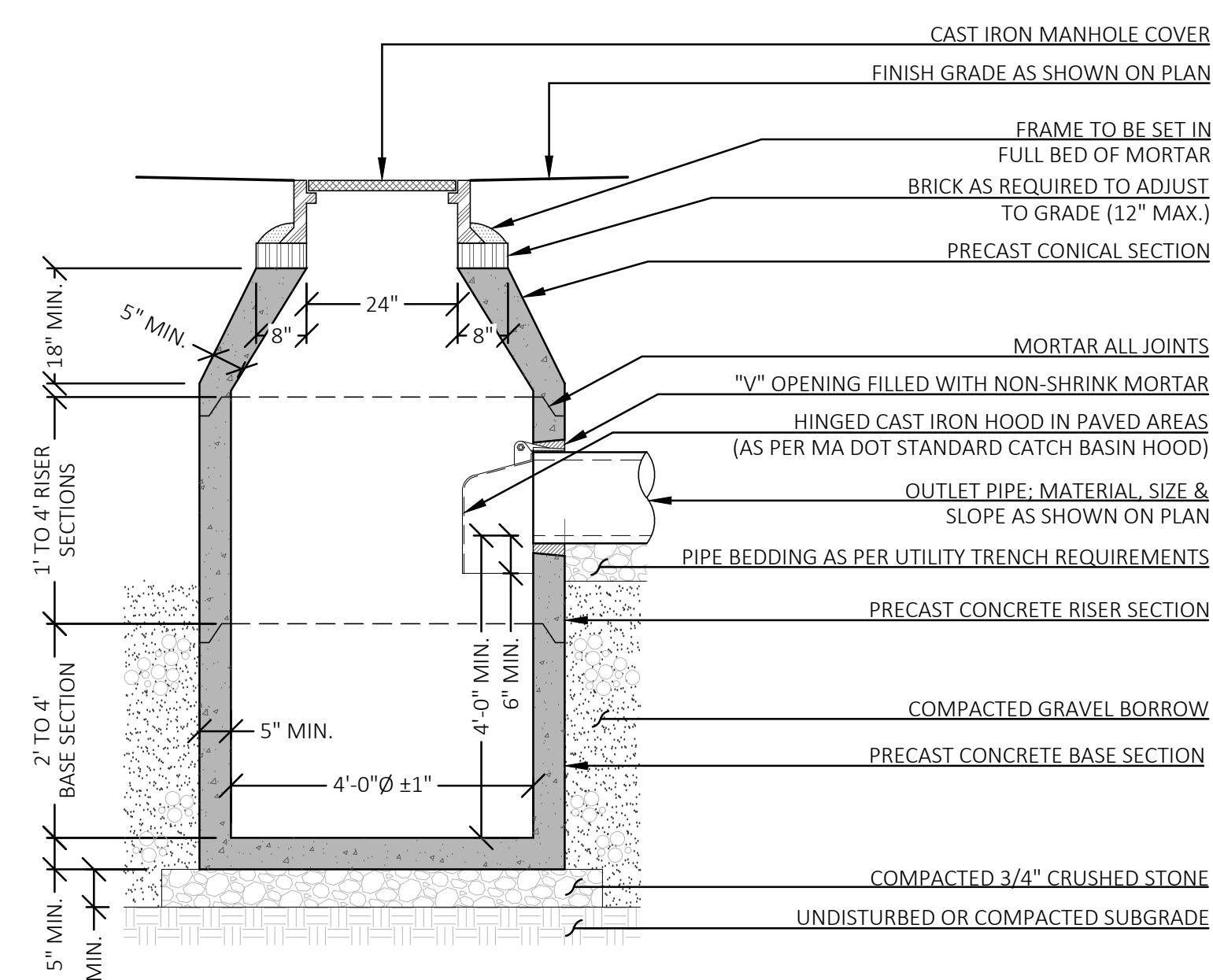
05 RETAINING BLOCK WALL  
SCALE: NTS



06 NYLOPLAST YARD DRAIN  
SCALE: NOT TO SCALE

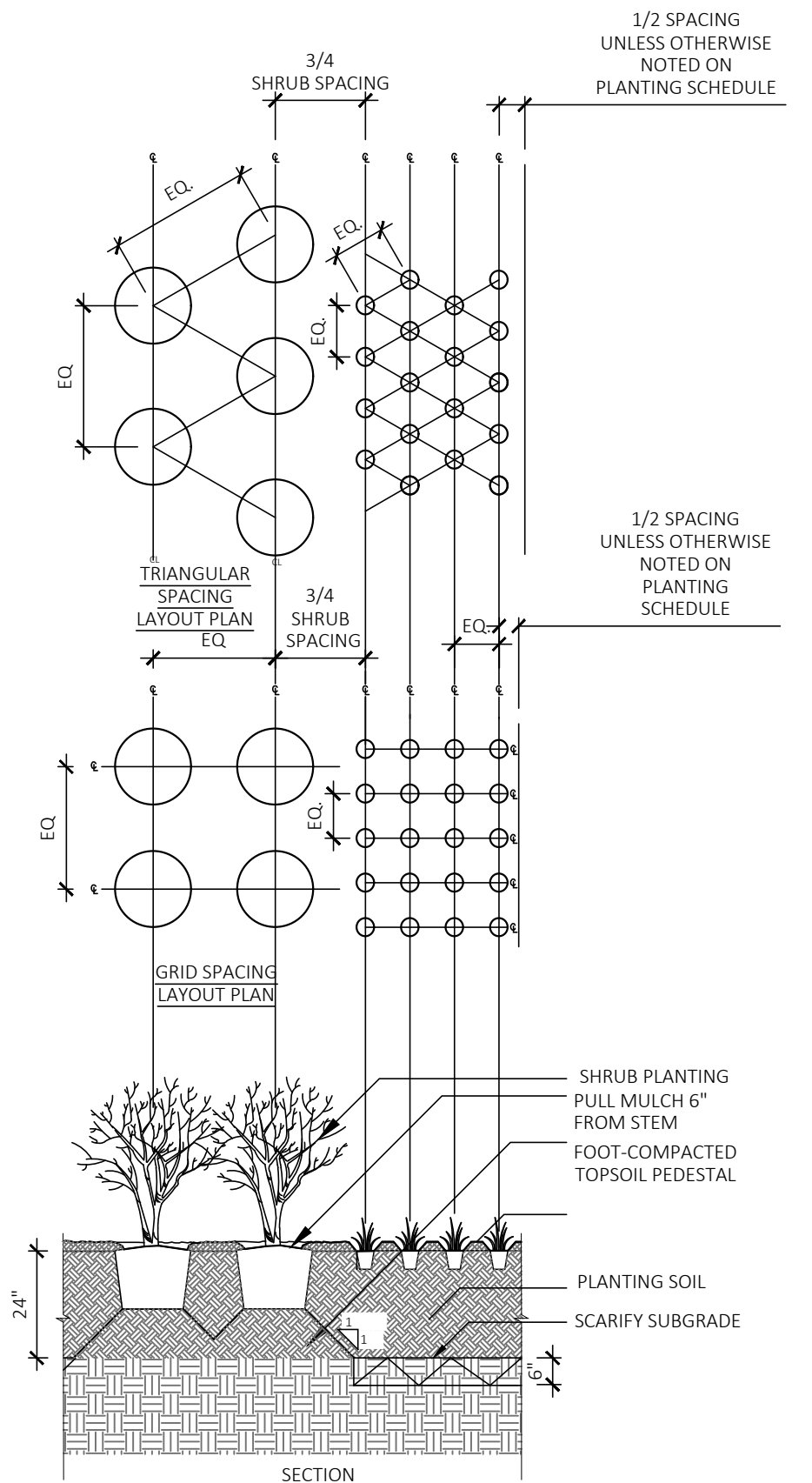


07 12" SQUARE NDS YARD DRAIN  
SCALE: NOT TO SCALE

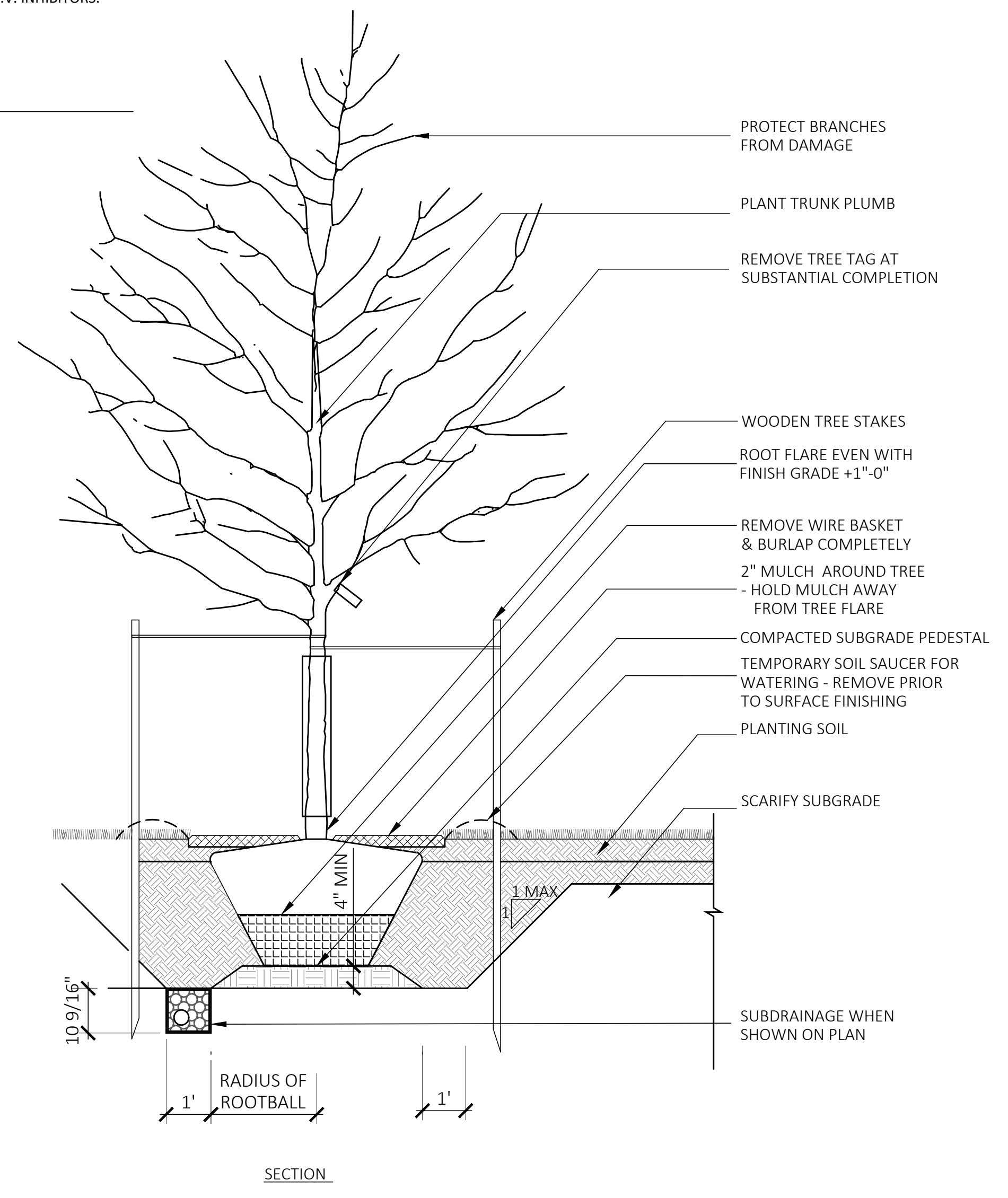


- NOTES:
- CONTRACTOR MAY UTILIZE PRECAST FLAT TOP SECTION WHERE DEPTH OF BASIN PROHIBITS THE USE OF CONICAL SECTION.
  - CONCRETE COMPRESSIVE STRENGTH SHALL BE 4,000 PSI (MIN.).
  - STRUCTURE SHALL BE REINFORCED TO MEET OR EXCEED H20 LOADING.

08 DRAIN MANHOLE WITH SUMP  
SCALE: NOT TO SCALE



09 SHRUB & GROUNDCOVER PLANTING  
SCALE: NTS



10 TREE PLANTING  
SCALE: 1/2" = 1'-0"

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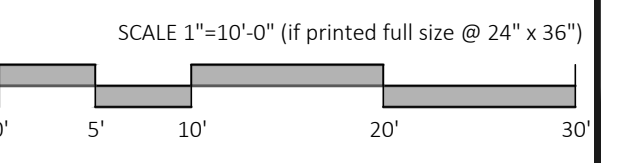
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Donna & Gary West

Notice of Intent

59 Shore Drive  
Shutesbury, MA

SITE DETAILS



Revisions	
Date:	September 28, 2023
Scale:	1"=10'
Drawn By:	JDS
Checked By:	JDS
Sheet Number	L-102

59 SHORES DRIVE DESIGN PROCESS (DRAWINGS) SITE PLAN AT 2023-10-31.DWG - PLOT DATE: 11/22/2023