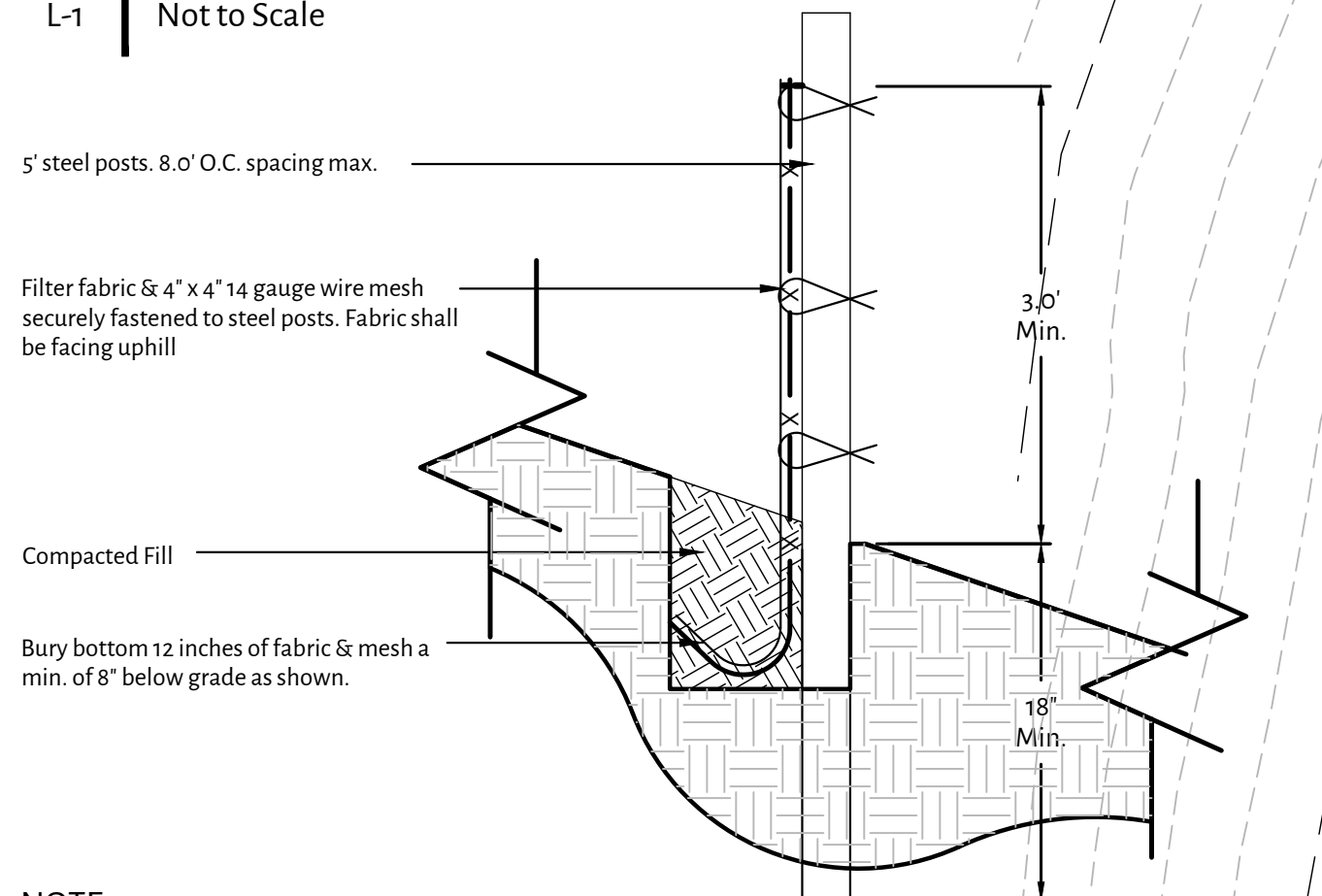


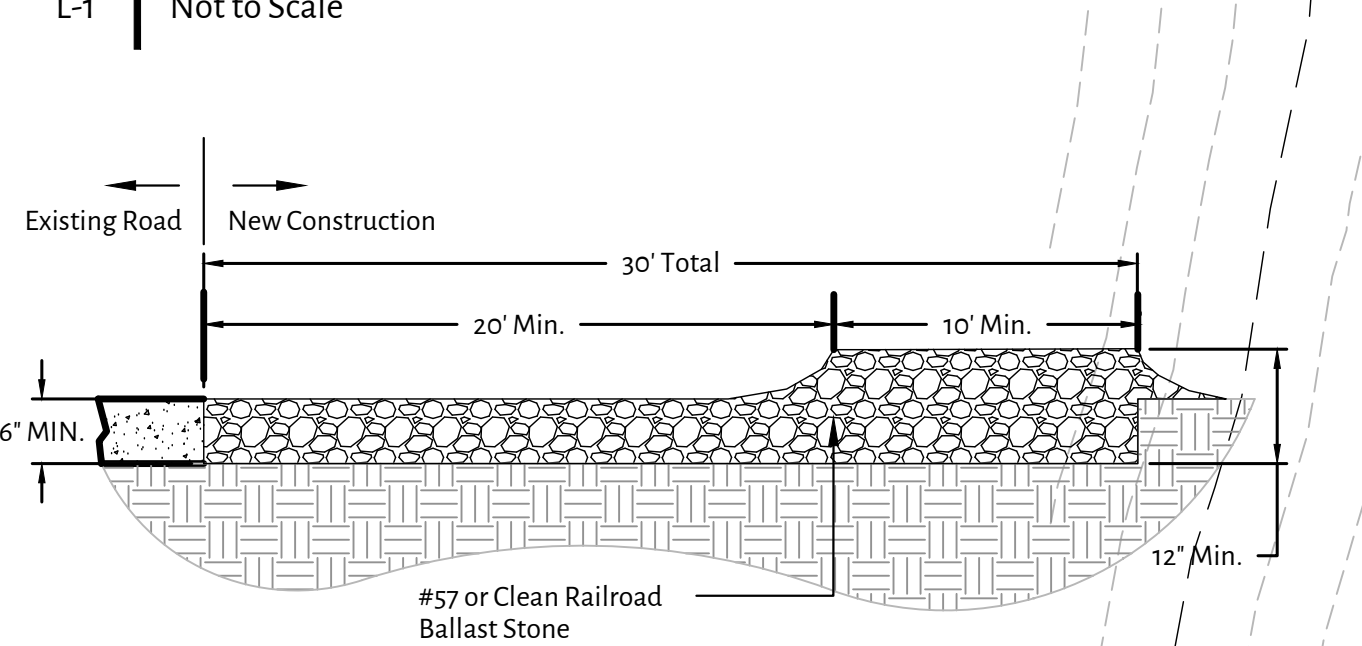
Notes:
 Many of the trees to be protected are within or are on the edge of the disturbed limits. Great care should be taken when working around these trees to protect them and limit damage.

1 | DETAIL: TREE PROTECTION



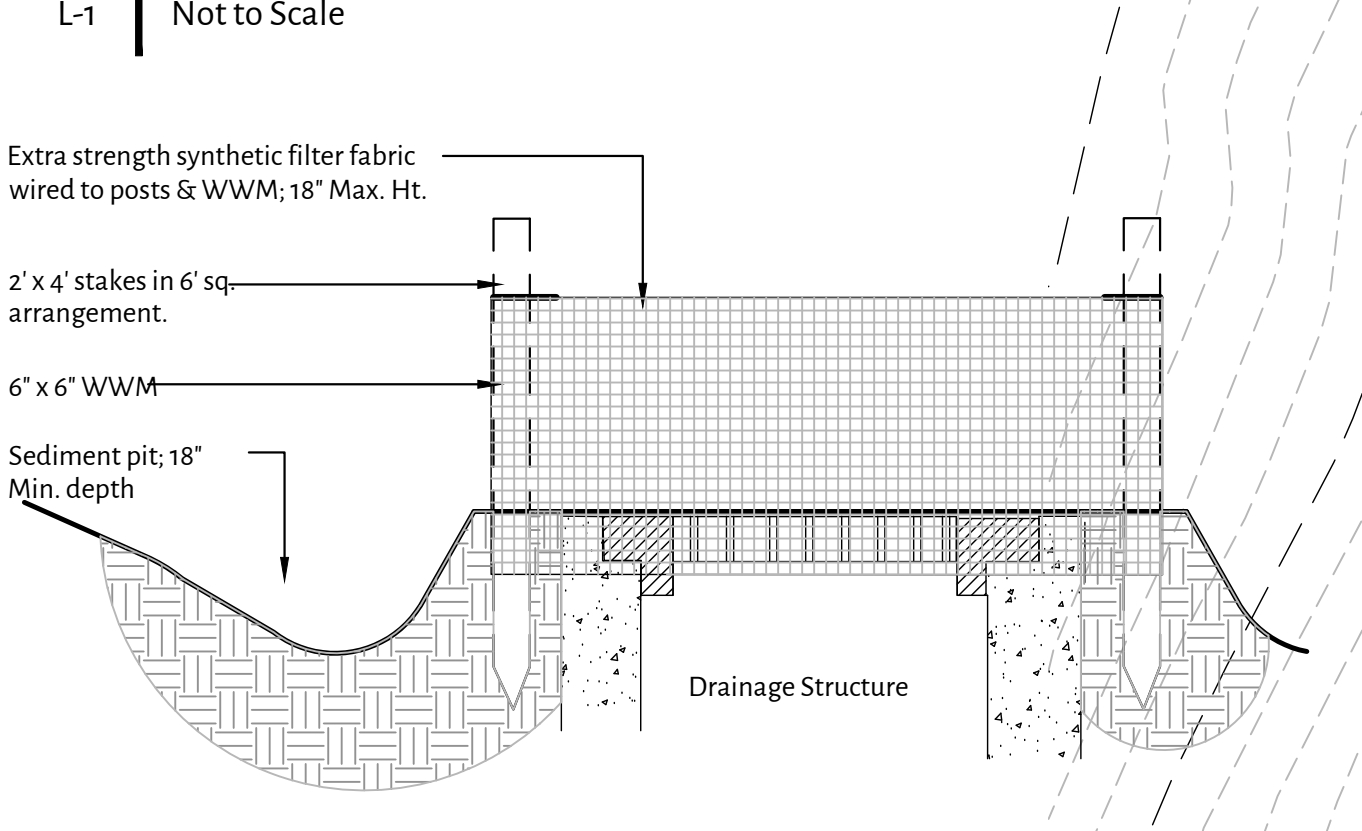
NOTE:
 • Max. of 1/4 Ac. draining to each 100 lf. of silt fence
 • Construct from continuous roll, securely fasten fabric to stake only. Overlap 2.0' for new rolls
 • Inspect at least once per week and after each rain event. Remove sediment and repair fence immediately.

2 | DETAIL: SILT FENCE



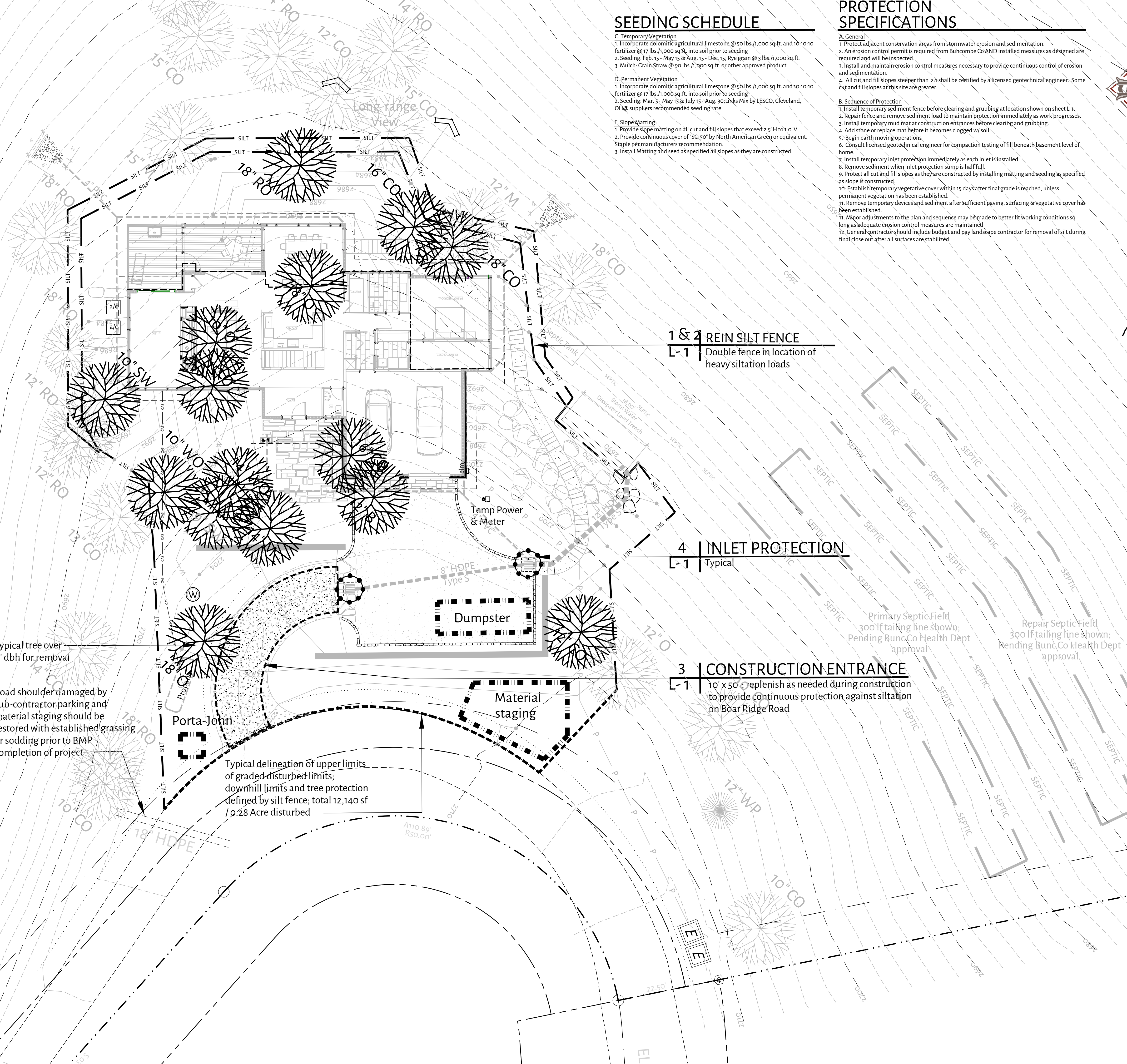
NOTE:
 1. Replenish or replace during construction to provide continuous protection until final surfaces are installed.

3 | DETAIL: MUD MAT



4 | DETAIL: INLET PROTECTION

L-1 Not to Scale



SEEDING SCHEDULE

- C. Temporary Vegetation**
 1. Incorporate dolomitic agricultural limestone @ 50 lbs./1,000 sq. ft. and 10:10:10 fertilizer @ 17 lbs./1,000 sq. ft. into soil prior to seeding
 2. Seeding: Feb. 15 - May 15 & July 15 - Aug. 15. Rye grain @ 3 lbs./1,000 sq. ft.
 3. Mulch: Grain Straw @ 90 lbs./1,000 sq. ft. or other approved product.
- D. Permanent Vegetation**
 1. Incorporate dolomitic agricultural limestone @ 50 lbs./1,000 sq. ft. and 10:10:10 fertilizer @ 17 lbs./1,000 sq. ft. into soil prior to seeding
 2. Seeding: Mar. 5 - May 15 & July 15 - Aug. 30. LTKs Mix by LESCO, Cleveland, OH @ suppliers recommended seeding rate
- E. Slope Matting**
 1. Provide slope matting on all cut and fill slopes that exceed 2:1 H to 1:0 V.
 2. Provide continuous cover of "SG150" by North American Green or equivalent. Staple per manufacturers recommendation.
 3. Install Matting and seed as specified all slopes as they are constructed.

PROTECTION SPECIFICATIONS

- A. General**
 1. Protect adjacent conservation areas from stormwater erosion and sedimentation.
 2. An erosion control permit is required from Buncombe Co AND installed measures as designed are required and will be inspected.
 3. Install and maintain erosion control measures necessary to provide continuous control of erosion and sedimentation.
 4. All cut and fill slopes steeper than 2:1 shall be certified by a licensed geotechnical engineer. Some cut and fill slopes at this site are greater.
- B. Sequence of Protection**
 1. Install temporary sediment fence before clearing and grubbing at location shown on sheet L-1.
 2. Repair fence and remove sediment load to maintain protection immediately as work progresses.
 3. Install temporary mud mat at construction entrances before clearing and grubbing.
 4. Add stone or replace mat before it becomes clogged w/ soil.
 5. Begin earth moving operations.
 6. Consult licensed geotechnical engineer for compaction testing of fill beneath basement level of home.
 7. Install temporary inlet protection immediately as each inlet is installed.
 8. Remove sediment when inlet protection sump is half full.
 9. Protect all cut and fill slopes as they are constructed by installing matting and seeding as specified as slope is constructed.
 10. Establish temporary vegetative cover within 15 days after final grade is reached, unless permanent vegetation has been established.
 11. Remove temporary devices and sediment after sufficient paving, surfacing & vegetative cover has been established.
 12. Major adjustments to the plan and sequence may be made to better fit working conditions so long as adequate erosion control measures are maintained.
 13. General contractor should include budget and pay landscape contractor for removal of silt during final close out after all surfaces are stabilized.

1 & 2 REIN SILT FENCE

L-1 Double fence in location of heavy siltation loads

4 | INLET PROTECTION

L-1 Typical

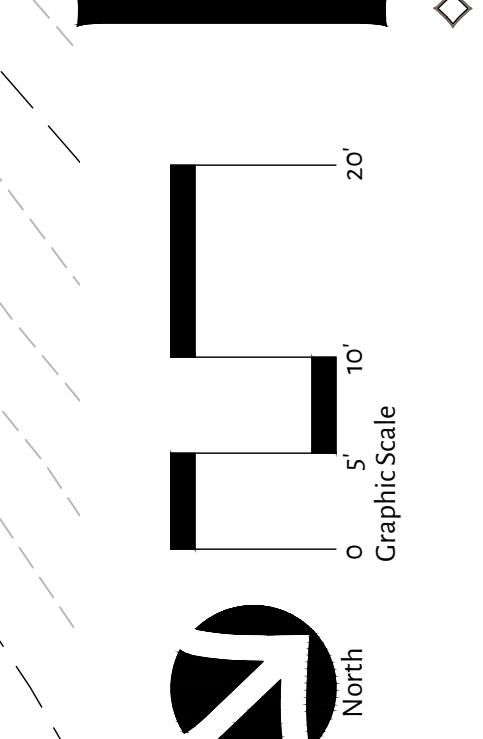
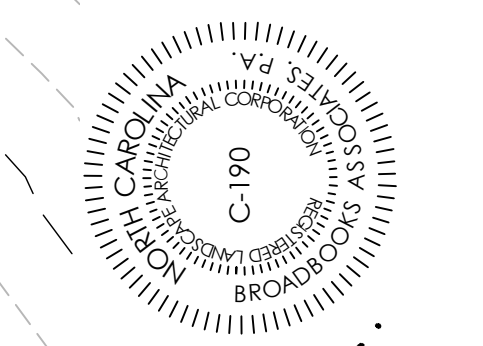
3 | CONSTRUCTION ENTRANCE

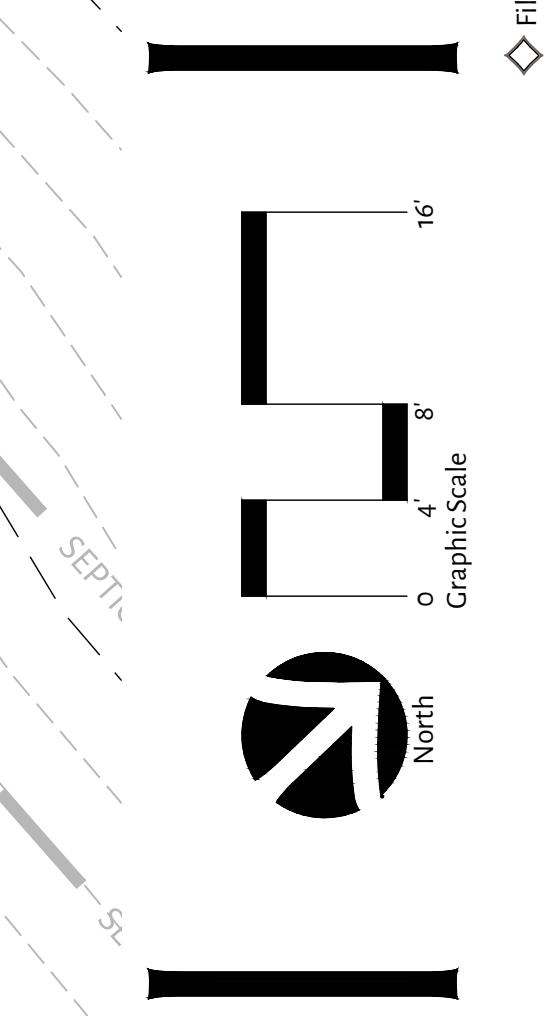
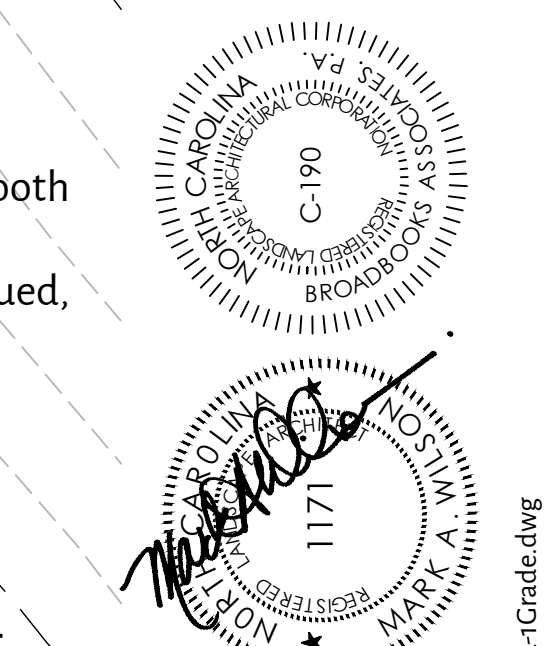
L-1 10' x 50' replenish as needed during construction to provide continuous protection against siltation on Boar Ridge Road

Typical tree over 8" dbh for removal

Road shoulder damaged by sub-contractor parking and material staging should be restored with established grassing or sodding prior to BMP completion of project

Typical delineation of upper limits of graded disturbed limits; downhill limits and tree protection defined by silt fence; total 12,140 sf / 0.28 Acre disturbed



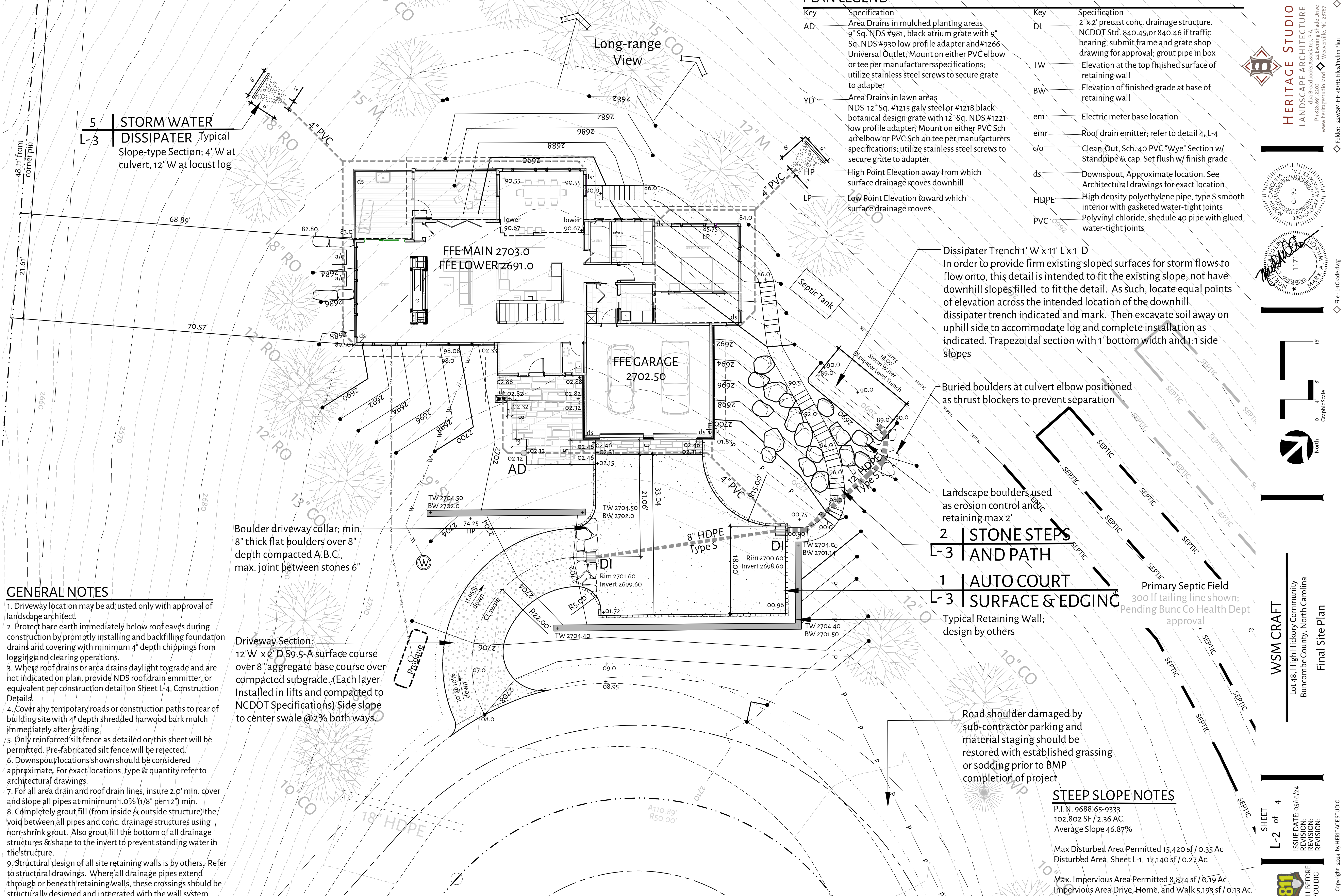


PLAN LEGEND

Key	Specification	Key	Specification
AD	Area Drains in mulched planting areas 9" Sq. NDS #981, black atrium grate with 9" Sq. NDS #930 low profile adapter and #1266 Universal Outlet; Mount on either PVC elbow or tee per manufacturers specifications; utilize stainless steel screws to secure grate to adapter	DI	2' x 2' precast conc. drainage structure. NCDOT Std. 840.45 or 840.46 if traffic bearing, submit frame and grate shop drawing for approval; grout pipe in box
YD	Area Drains in lawn areas NDS 12" Sq. #1215 galv steel or #1218 black botanical design grate with 12" Sq. NDS #1221 low profile adapter; Mount on either PVC Sch 40 elbow or PVC Sch 40 tee per manufacturers specifications; utilize stainless steel screws to secure grate to adapter	TW	Elevation at the top finished surface of retaining wall
HP	High Point Elevation away from which surface drainage moves downhill	BW	Elevation of finished grade at base of retaining wall
LP	Low Point Elevation toward which surface drainage moves	em	Electric meter base location
		emr	Roof drain emitter; refer to detail 4, L-4
		c/o	Clean-Out, Sch. 40 PVC "Wye" Section w/ Standpipe & cap. Set flush w/ finish grade
		ds	Downspout, Approximate location. See Architectural drawings for exact location
		HDPE	High density polyethylene pipe, type S smooth interior with gasketed water-tight joints
		PVC	Polyvinyl chloride, shedule 40 pipe with glued, water-tight joints

5 | STORM WATER DISSIPATER
 Typical Slope-type Section; 4' W at culvert, 12' W at locust log

Long-range View



Dissipater Trench 1' W x 11' L x 1' D
 In order to provide firm existing sloped surfaces for storm flows to flow onto, this detail is intended to fit the existing slope, not have downhill slopes filled to fit the detail. As such, locate equal points of elevation across the intended location of the downhill dissipater trench indicated and mark. Then excavate soil away on uphill side to accommodate log and complete installation as indicated. Trapezoidal section with 1' bottom width and 1:1 side slopes

Buried boulders at culvert elbow positioned as thrust blockers to prevent separation

Landscape boulders used as erosion control and retaining max 2'

2 | STONE STEPS AND PATH

1 | AUTO COURT SURFACE & EDGING

Typical Retaining Wall; design by others

Road shoulder damaged by sub-contractor parking and material staging should be restored with established grassing or sodding prior to BMP completion of project

STEEP SLOPE NOTES

P.I.N. 9688.65-9333
 102,802 SF / 2.36 AC.
 Average Slope 46.87%
 Max Disturbed Area Permitted 15,420 sf / 0.35 AC
 Disturbed Area, Sheet L-1, 12,140 sf / 0.27 AC.
 Max. Impervious Area Permitted 8,824 sf / 0.19 Ac
 Impervious Area Drive, Home, and Walk 5,193 sf / 0.13 Ac.

GENERAL NOTES

1. Driveway location may be adjusted only with approval of landscape architect.
2. Protect bare earth immediately below roof eaves during construction by promptly installing and backfilling foundation drains and covering with minimum 4" depth chippings from logging and clearing operations.
3. Where roof drains or area drains daylight to grade and are not indicated on plan, provide NDS roof drain emitter, or equivalent per construction detail on Sheet L-4, Construction Details.
4. Cover any temporary roads or construction paths to rear of building site with 4" depth shredded hardwood bark mulch immediately after grading.
5. Only reinforced silt fence as detailed on this sheet will be permitted. Pre-fabricated silt fence will be rejected.
6. Downspout locations shown should be considered approximate. For exact locations, type & quantity refer to architectural drawings.
7. For all area drain and roof drain lines, insure 2.0' min. cover and slope all pipes at minimum 1.0% (1/8" per 12") min.
8. Completely grout fill (from inside & outside structure) the void between all pipes and conc. drainage structures using non-shrink grout. Also grout fill the bottom of all drainage structures & shape to the invert to prevent standing water in the structure.
9. Structural design of all site retaining walls is by others. Refer to structural drawings. Where all drainage pipes extend through or beneath retaining walls, these crossings should be structurally designed and integrated with the wall system.

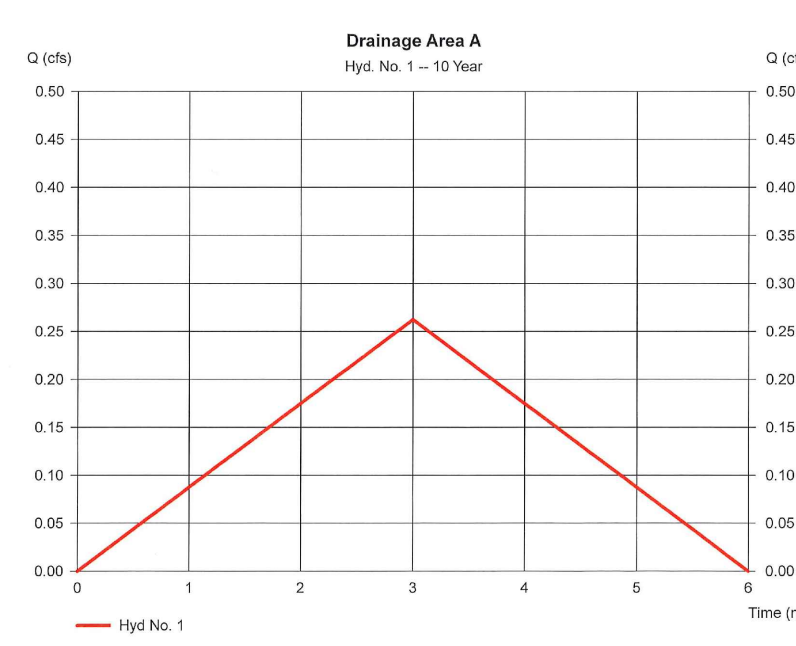
Driveway Section:
 12' W x 2' D S9.5-A surface course over 8" aggregate base course over compacted subgrade. (Each layer installed in lifts and compacted to NCDOT Specifications) Side slope to center swale @2% both ways.

Boulder driveway collar; min. 8" thick flat boulders over 8" depth compacted A.B.C., max. joint between stones 6"



Hydrograph Report

Hydrograph by Intuitive v12
 Thursday, Feb 8, 2024
Hyd. No. 1
Drainage Area A
 Hydrograph type = Rational
 Storm frequency = 10 yrs
 Time interval = 1 min
 Drainage area = 0.037 ac
 Intensity = 7.880 in/hr
 IDF Curve = SampleFHA.tdf
 Peak discharge = 0.282 cfs
 Time to peak = 0.55 hrs
 Hyd. volume = 47 cuft
 Runoff coeff. = 0.9
 To by User = 3.00 min
 Asc/Rac limb fact = 1/1



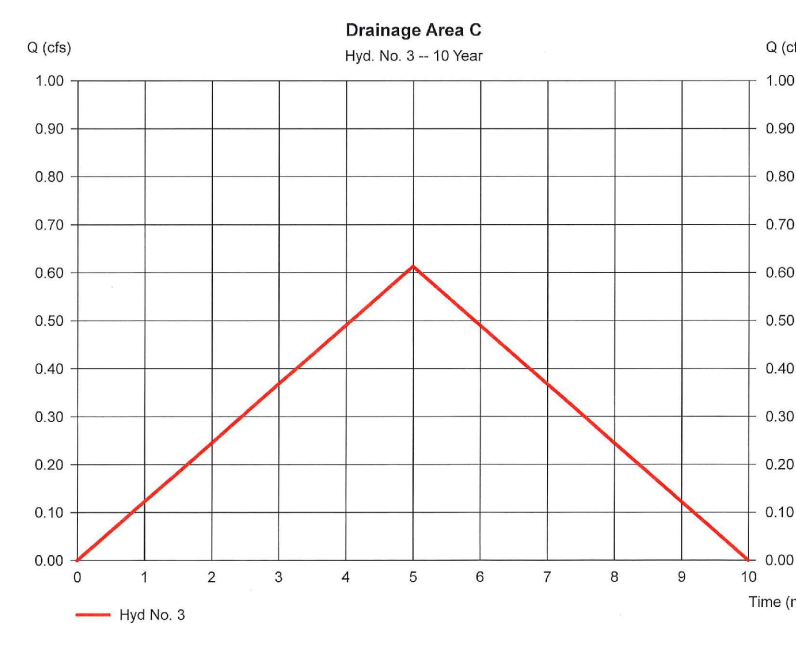
Hydrograph Report

Hydrograph by Intuitive v12
 Thursday, Feb 8, 2024
Hyd. No. 2
Drainage Area B
 Hydrograph type = Rational
 Storm frequency = 10 yrs
 Time interval = 1 min
 Drainage area = 0.010 ac
 Intensity = 7.880 in/hr
 IDF Curve = SampleFHA.tdf
 Peak discharge = 0.071 cfs
 Time to peak = 0.65 hrs
 Hyd. volume = 13 cuft
 Runoff coeff. = 0.9
 To by User = 3.00 min
 Asc/Rac limb fact = 1/1

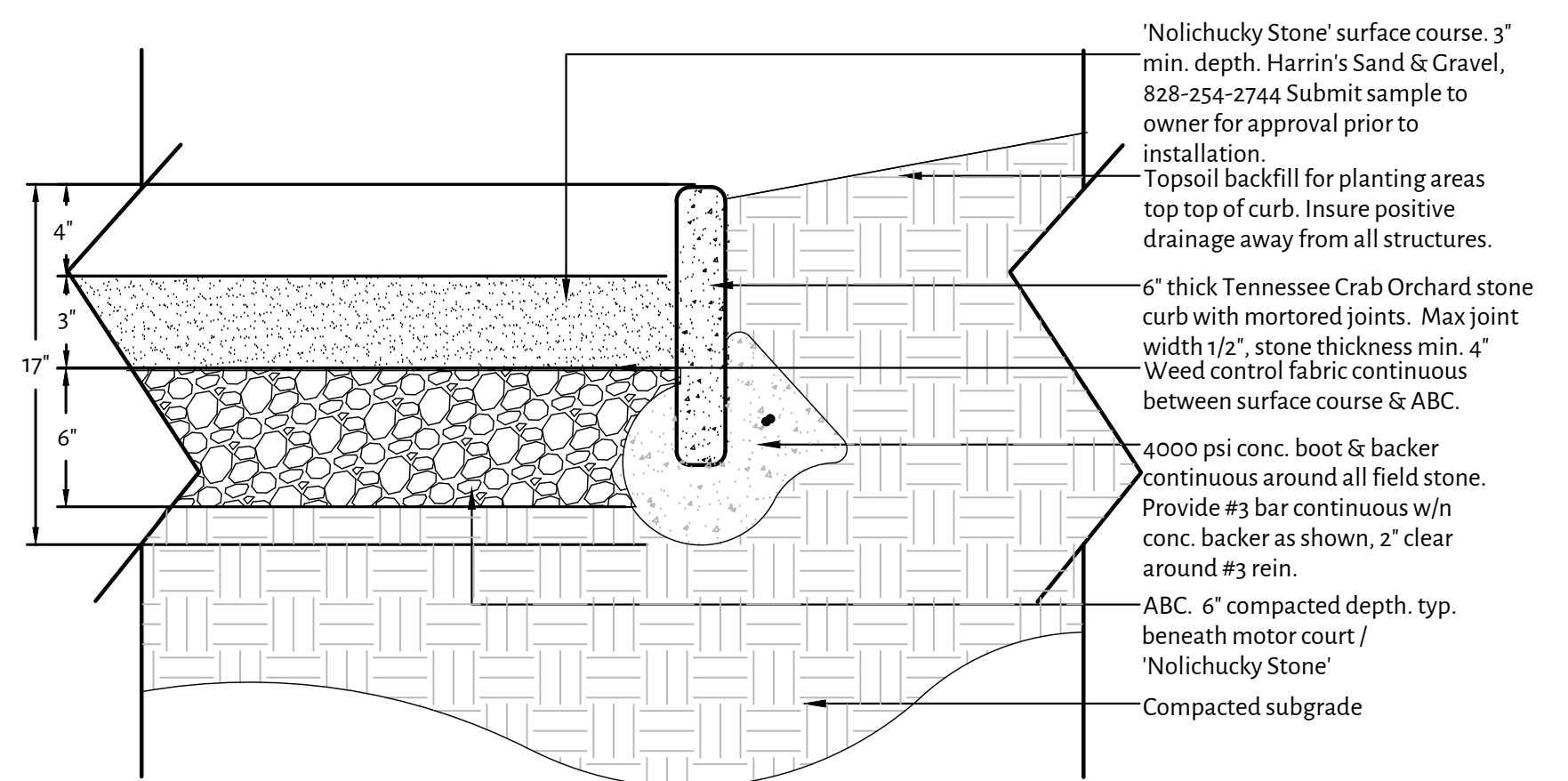
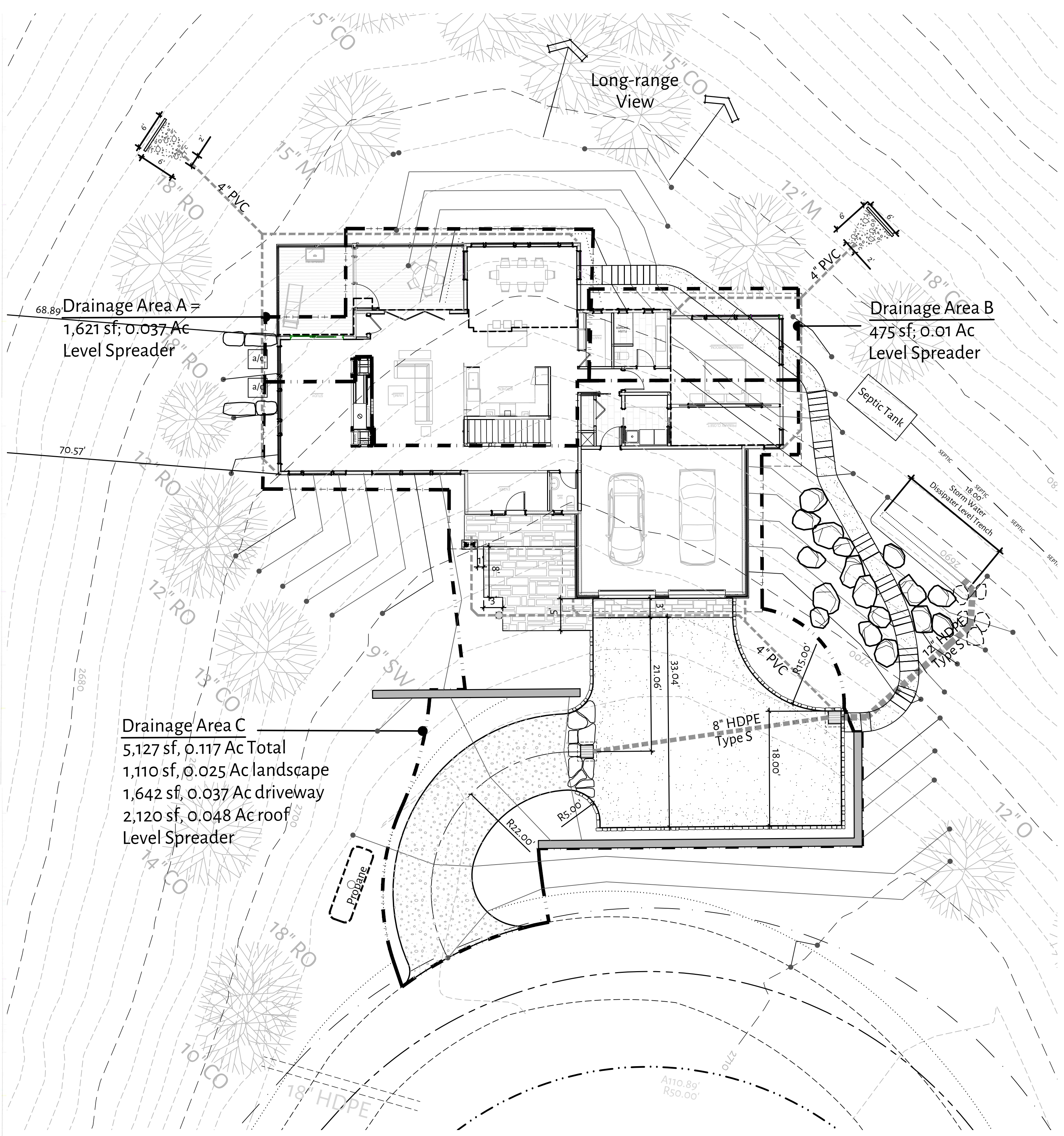


Hydrograph Report

Hydrograph by Intuitive v12
 Thursday, Feb 8, 2024
Hyd. No. 3
Drainage Area C
 Hydrograph type = Rational
 Storm frequency = 10 yrs
 Time interval = 1 min
 Drainage area = 0.110 ac
 Intensity = 7.258 in/hr
 IDF Curve = SampleFHA.tdf
 Peak discharge = 0.613 cfs
 Time to peak = 0.92 hrs
 Hyd. volume = 184 cuft
 Runoff coeff. = 0.77
 To by User = 5.00 min
 Asc/Rac limb fact = 1/1



STORM WATER CALCULATIONS

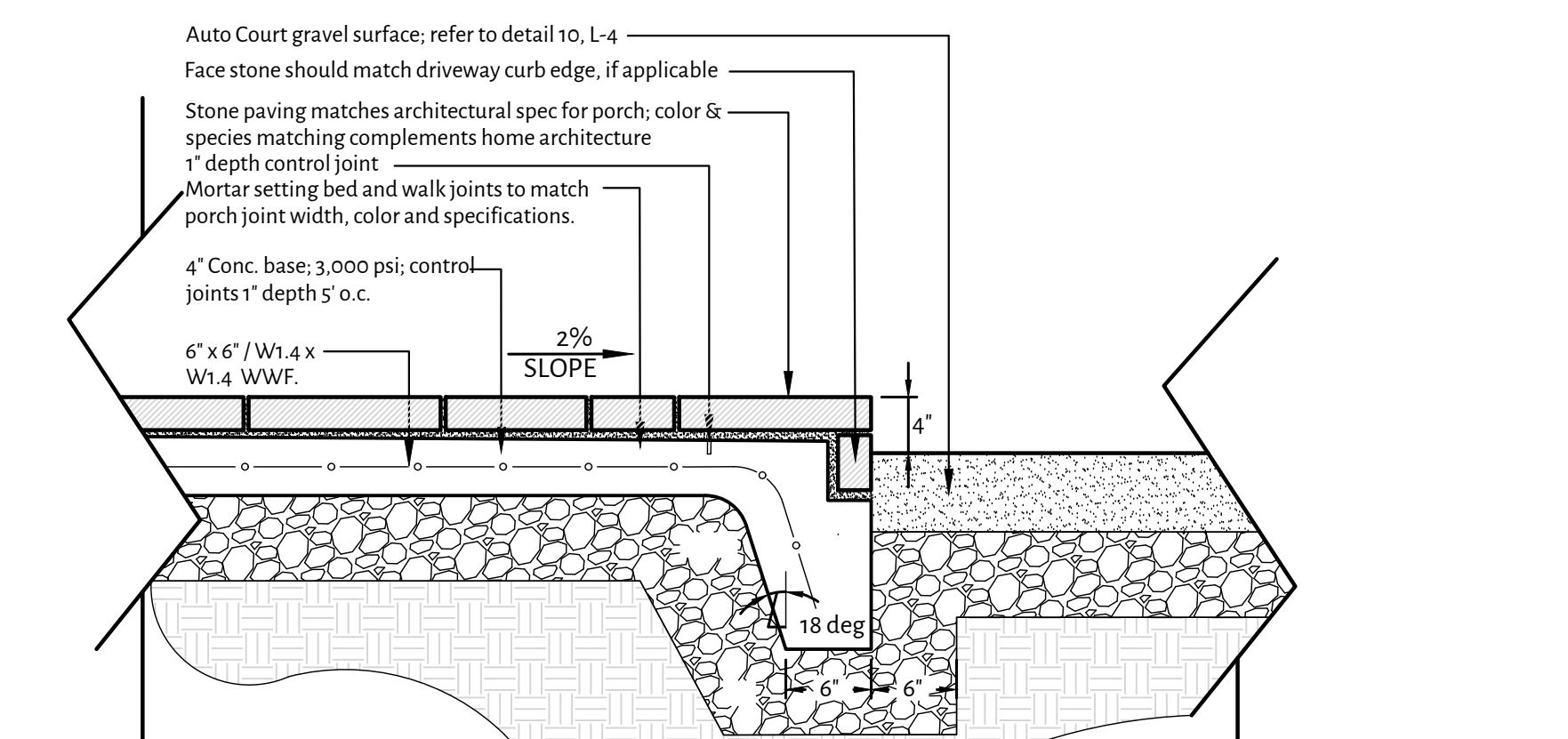


Notes:
 Taper conc. paver curb height from 4" to flush with grade within 4" of all walks, garages, and hard surfaces that are also flush with grade, including boulder collar.



1 | AUTO COURT SURFACING AND EDGING

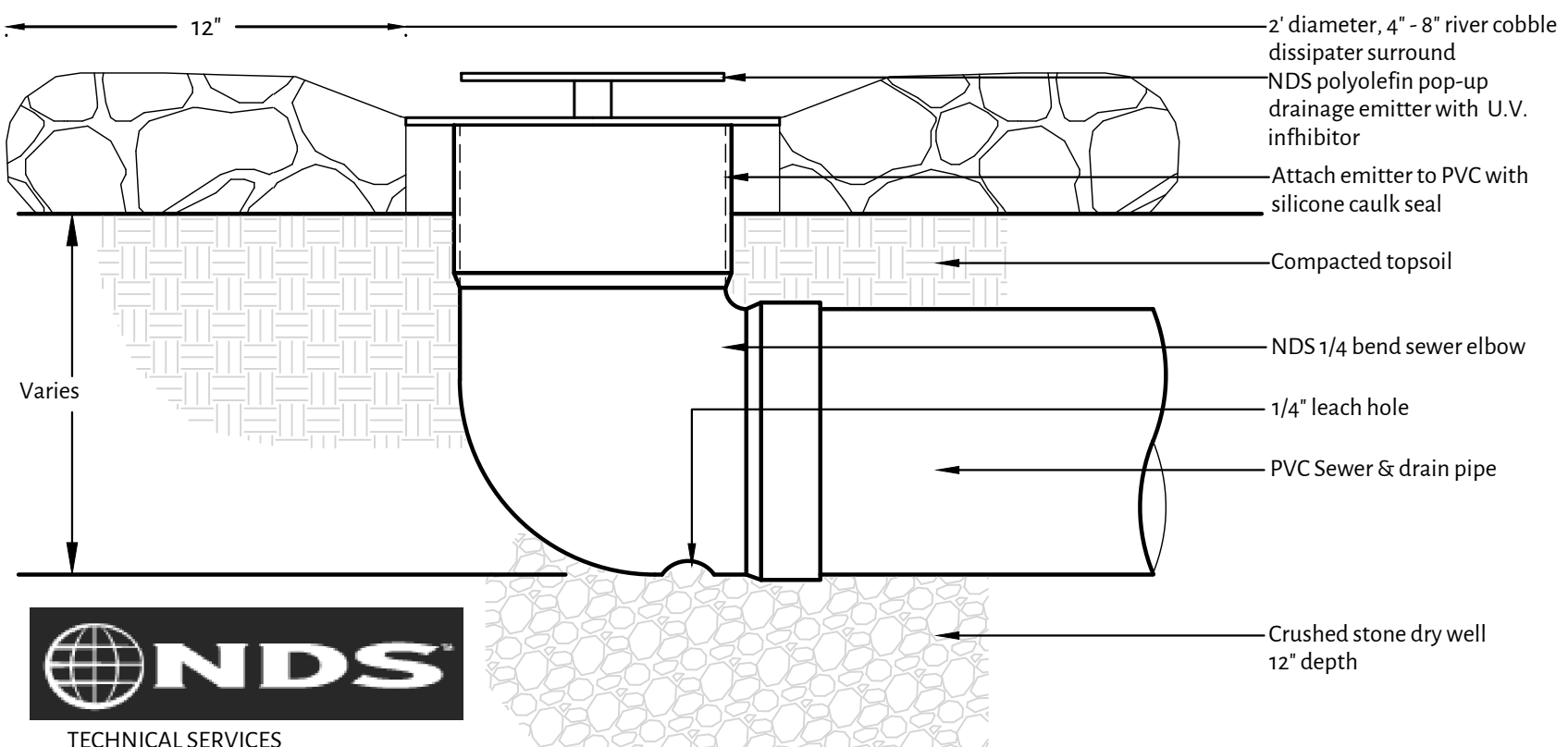
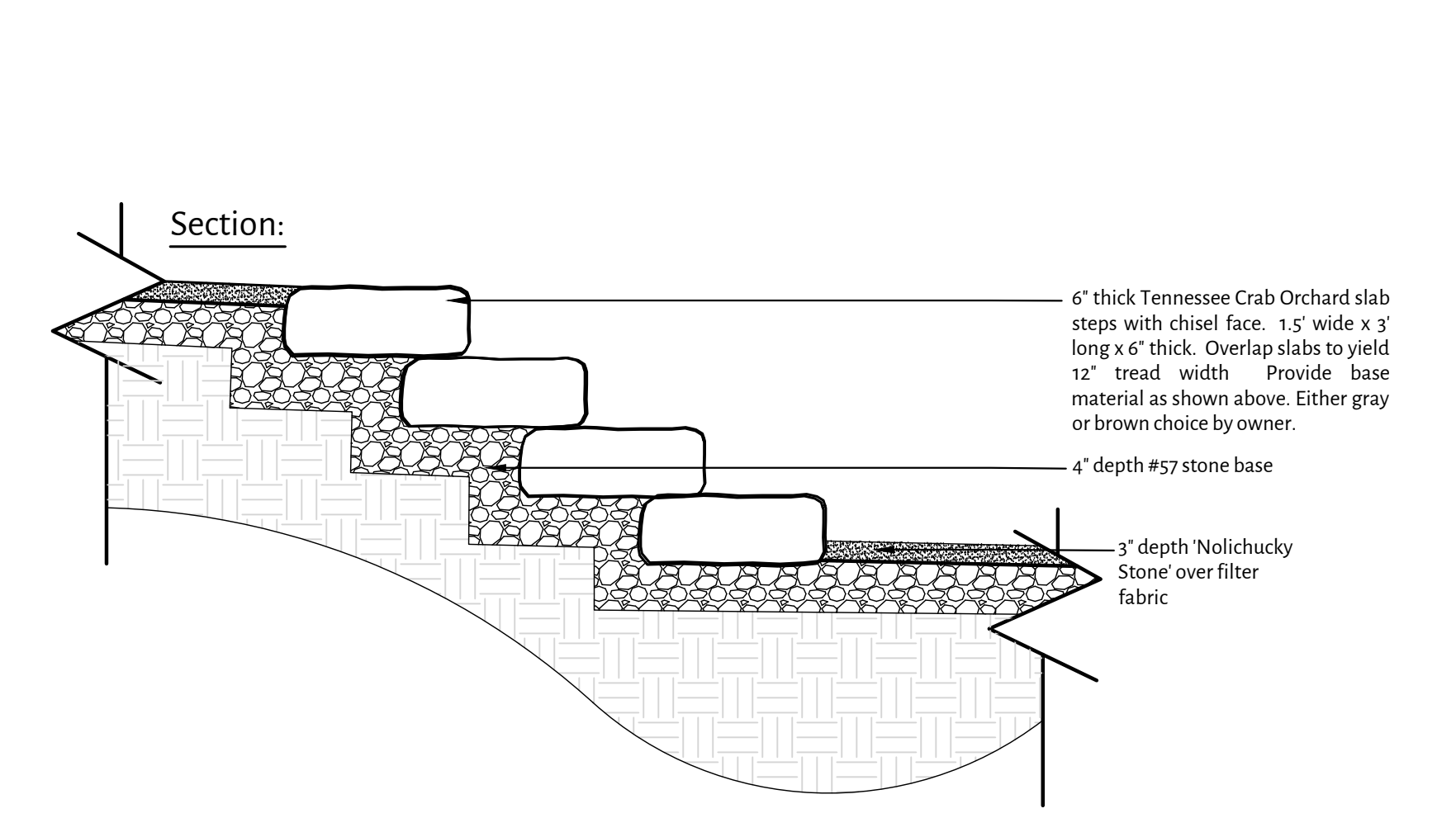
L-3 Scale: Not to Scale



Note:
 For greeting terrace and walk (outside front porch), utilize same base, concrete and flagstone detailing without the turn-down edge.

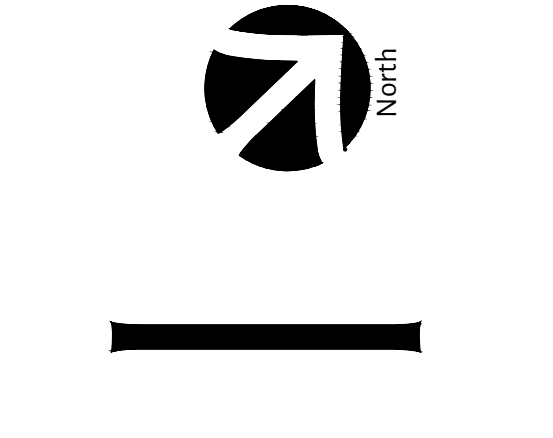
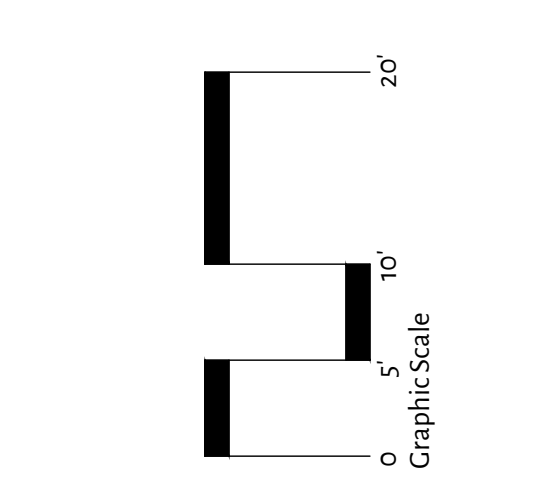
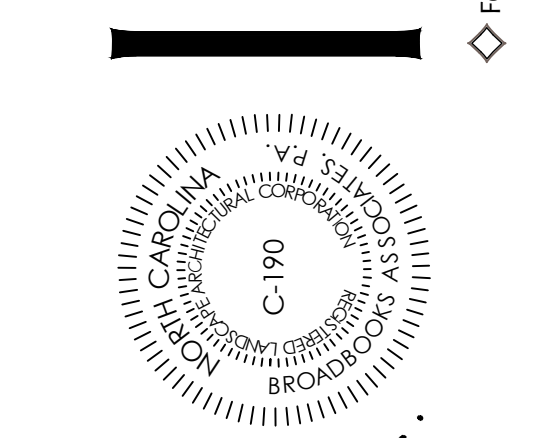
2 | FLAGSTONE WALK / CURB

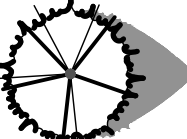
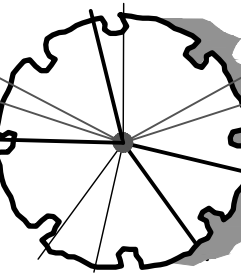
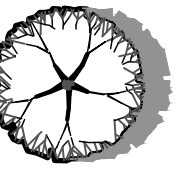






L-3 Scale: Not to Scale

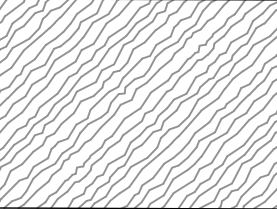


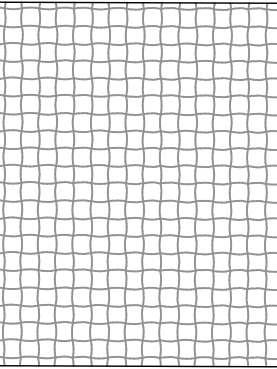
4 | POP-UP DRAINAGE EMITTER

L-3 Not to Scale




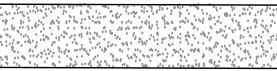
-  **SMALL MATURING EVERGREEN TREE**
6' Ht., B&B or Cont., Branched to ground, full, dense tree; Satyr Hill or GreenleafHolly, Magnolia 'Little Gem' 2
-  **SMALL MATURING DECIDUOUS TREE**
8' - 10' Ht; B&B or Cont., Dense, full, tree; Chionanthus virginicus, Cornus Florida Cherokee Princess, Oxydendrum arboreum, Carpinus caroliniana 3
-  **SPECIMEN LARGE SHRUB**
Specimen quality, 6' Ht. Large deciduous shrub; contractor suggest species for LA approval based on availability. Examples: Flame Azalea, Witchhazel, Mountain Camellia (Stewartea ovata), Viburnum 1
-  **DWARF EVERGREEN SHRUB**
18"-24" Ht and Spd; Cont, Dense, full shrub; Kalmia latifolia 'Tiddleywink', Leucothoe fontenasiana 'Rollisoni' / 'Scarletta' 13
-  **LARGE MATURING DECIDUOUS SHRUB**
24"-30" Ht and Spd; B&B or Cont; Dense, full shrub; Aronia 'Brilliantissima', Hydrangea quercifolia, or Flame Azalea 17
-  **LARGE MATURING EVERGREEN SHRUB**
24"-30" Ht and Spd; B&B or Cont; Dense, full shrub; English Roseum Rhodo, English Laurel, Leucothoe 26
-  **SMALL MATURING DECIDUOUS SHRUB**
18"-24" Ht and Spd; B&B or Cont; Dense, full shrub; Clethra alnifolia 'Hummingbird', Diervilla sessifolia 'Butterfly', 'Ruby Slippers' Oakleaf Hydrangea 57
-  **SMALL MATURING EVERGREEN SHRUB**
18"-24" Ht and Spd; B&B or Cont; Dense, full shrub; Compacta Inkberry, Dwarf Boxwood, Carissa Holly 11
-  **ORNAMENTAL GRASS**
3 gal.; Panicum virginianum 'Shenendoah', Deschampsia flexuosa 'Little Pixie', Chasmanthium latifolium 37

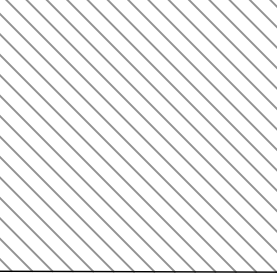
-  **SUNNY MIX PERENNIALS** 430 sf
 - Asclepias tuberosa / Butterfly Milkweed 20 1 gal 10% @ 18" oc
 - Echinacea purpurea 'Magnus' / Magnus Purple Coneflower 60 1 gal 30% @ 18" oc
 - Hemerocallis 'Happy Returns' / Happy Returns Daylily 20 1 gal, min. 3 canes 10% @ 18" oc
 - Hemerocallis 'Hyperion' / Hyperion Daylily 39 1 gal, min. 3 fans 20% @ 18" oc
 - Rudbeckia fulgida 'Goldstrum' / Coneflower 59 1 gal 30% @ 18" oc


-  **FINE FESCUE LINKS MIX** 2,075 sf
 - Resolute Hard Fescue 39.58%
 - Foxfire Creeping Red Fescue 29.01% Shadow II Chewings Fescue 16%
 - Azure Sheep Fescue 9.73%
 - Shadow III Chewings Fescue 3.46%
 - Filler / Inert Matter 2.06%

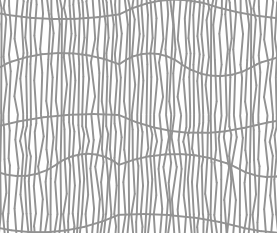
Available at SiteOne, Arden, NC
NOTE: Area for seeding includes driveway slopes not pictured

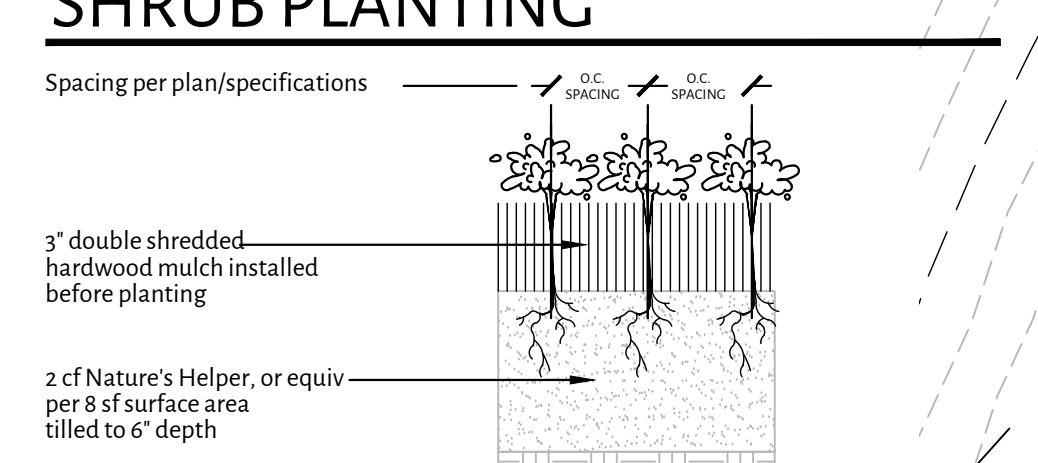
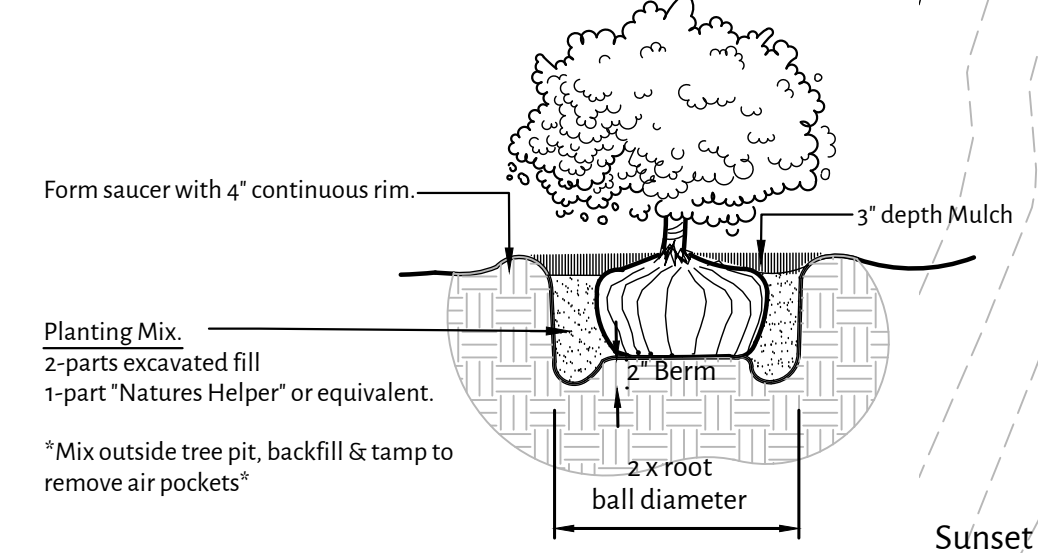
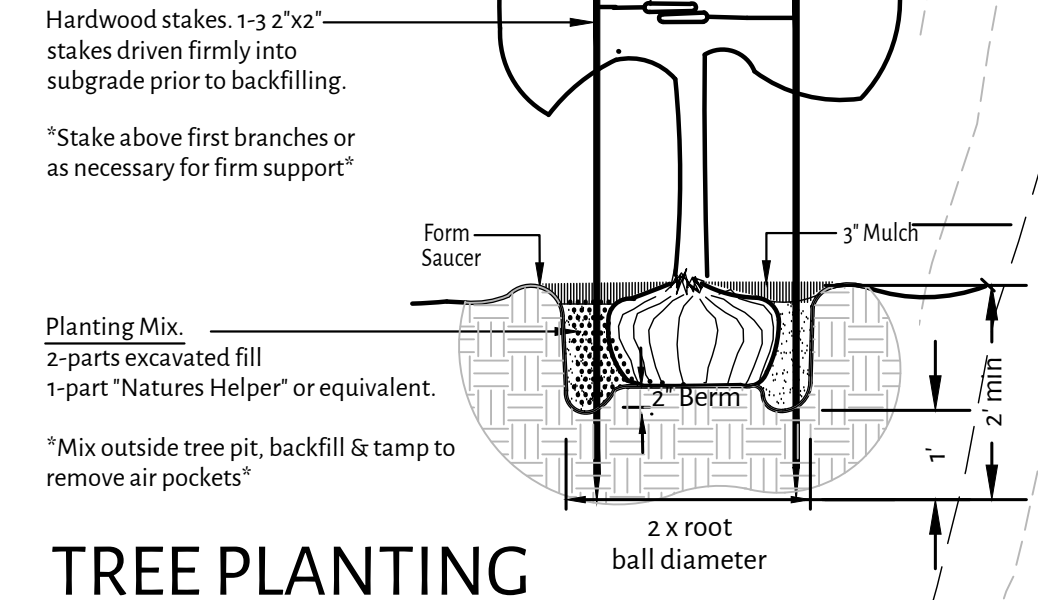
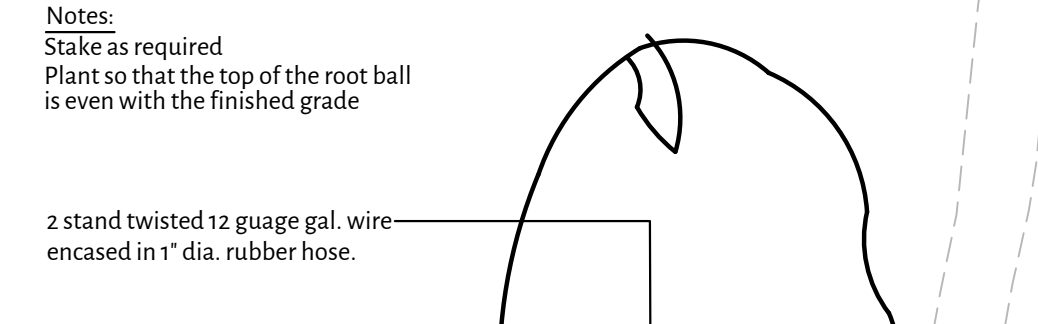
-  **LOW GROUND COVER** 324 sf
 - Chrysogonum virgatum, Iris cristata, Carex flacca, 1 Pint cont., Classic Groundcovers, Athens, GA 800-248-8424

-  **SOD** 760 sf
 - Locally grown Fescue / Kentucky Bluegrass Mix

-  **LANDSCAPE BOULDER CREVICES** 66 sf
 - Provide backfill soil mix for crevice planting suitable to plant list indicated
 - Dianthus gratianopolitanus 'Bath's Pink' / Bath's Cheddar Pink 7 4", Pot 25% @ 18" oc
 - Festuca glauca 'Elijah Blue' / Elijah Blue Fescue 14 4", Pot 20% @ 12" oc
 - Iberis sempervirens 'Snowflake' / Snowflake Evergreen Candytuft 6 4", Pot 20% @ 18" oc
 - Phlox subulata / Creeping Phlox 6 4", Pot 20% @ 18" oc
 - Thymus vulgaris / Common Thyme 6 4", Pot 15% @ 18" oc

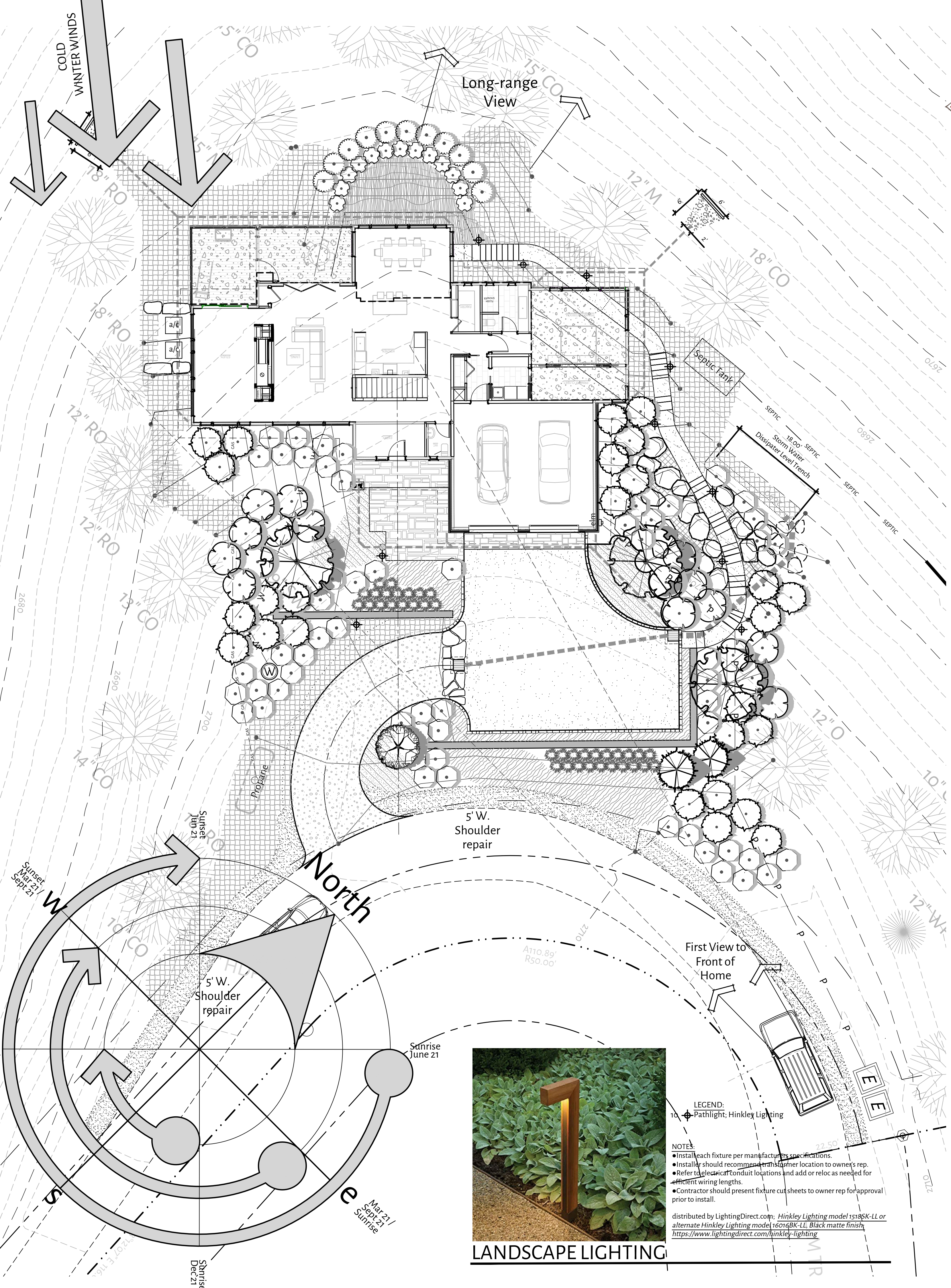
-  **EARTH BENEATH MAIN FLOOR** 666 sf
 - 2" depth 'Nolichucky' stone or 2" depth #67 stone over filter fabric

-  **WOODLAND FERN/PERENNIAL MIX** 243 sf
 - 1 Gal., 18" o.c.
 - Dennstaedtia punctilobula / Hay-scented Fern 22 1 gal 35% @ 24" oc
 - Ceranium maculatum / Spotted Ceranium 22 1 gal 20% @ 18" oc
 - Cultivars if better availability, refer to Sandy Mush Herb Nursery
 - Heuchera villosa 'Autumn Bride' / Autumn Bride Heuchera 28 1 gal 25% @ 18" oc
 - Iris cristata 'Powder Blue Giant' / Crested Iris 22 4" pot, min. 3 fans 20% @ 18" oc



GROUNDCOVER & PERENNIAL PLANTING

NOTE:
Landscape contractor shall ensure proper drainage is maintained in planting beds during and after installation of plant materials and mulch Refer to Planting Notes regarding Percolation Testing



LEGEND:
10 Pathlight, Hinkley Lighting

NOTES:
• Install each fixture per manufacturer's specifications.
• Installers should recommend alternate location to owner's rep.
• Refer to manufacturer's manual for wiring and add or reloc as needed for efficient wiring lengths.
• Contractor should present fixture cut sheets to owner rep for approval prior to install.

distributed by LightingDirect.com: Hinkley Lighting model 15186K-LL or alternate Hinkley Lighting model 16076K-LL Black matte finish
<https://www.lightingdirect.com/hinkley-lighting>