

### PREPARED BY:



WATERMAN DESIGN ASSOCIATES, INC.

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Westborough, MA 01581

508.366.6552
508.366.6506 (FAX)
WATERMANDESIGN.COM WDA@WDASSOC.COM

#### OWNER:

Riverbridge Glen LLC

65 River Road West Berlin, MA 01503

### APPLICANT:

Boundless Adventures Berlin, LLC

17 Beechwood Boulevard Rye Brook, NY, 10573

### DEFINITIVE PLAN

Pursuant to Berlin Subdivision Rules and Regulations

FOR

## Ropes Course

IN

# Berlin, Massachusetts (Worcester County)

DATE: Original issue:

June 16, 2017 August 16, 2017

Revised: Revised:

September 6, 2017

Revised: Revised:

September 18, 2017 August 8, 2018

SHEET LIST:

C1.00 EXISTING CONDITIONS INDEX PLAN

C1.01 - C1.03 COMPILED EXISTING CONDITIONS PLAN

C2.00 OVERALL SITE PLAN

C2.01 LAYOUT AND MATERIALS

C2.02 COURSE PLAN

C3.00 GRADING, DRAINAGE & UTILITIES PLAN

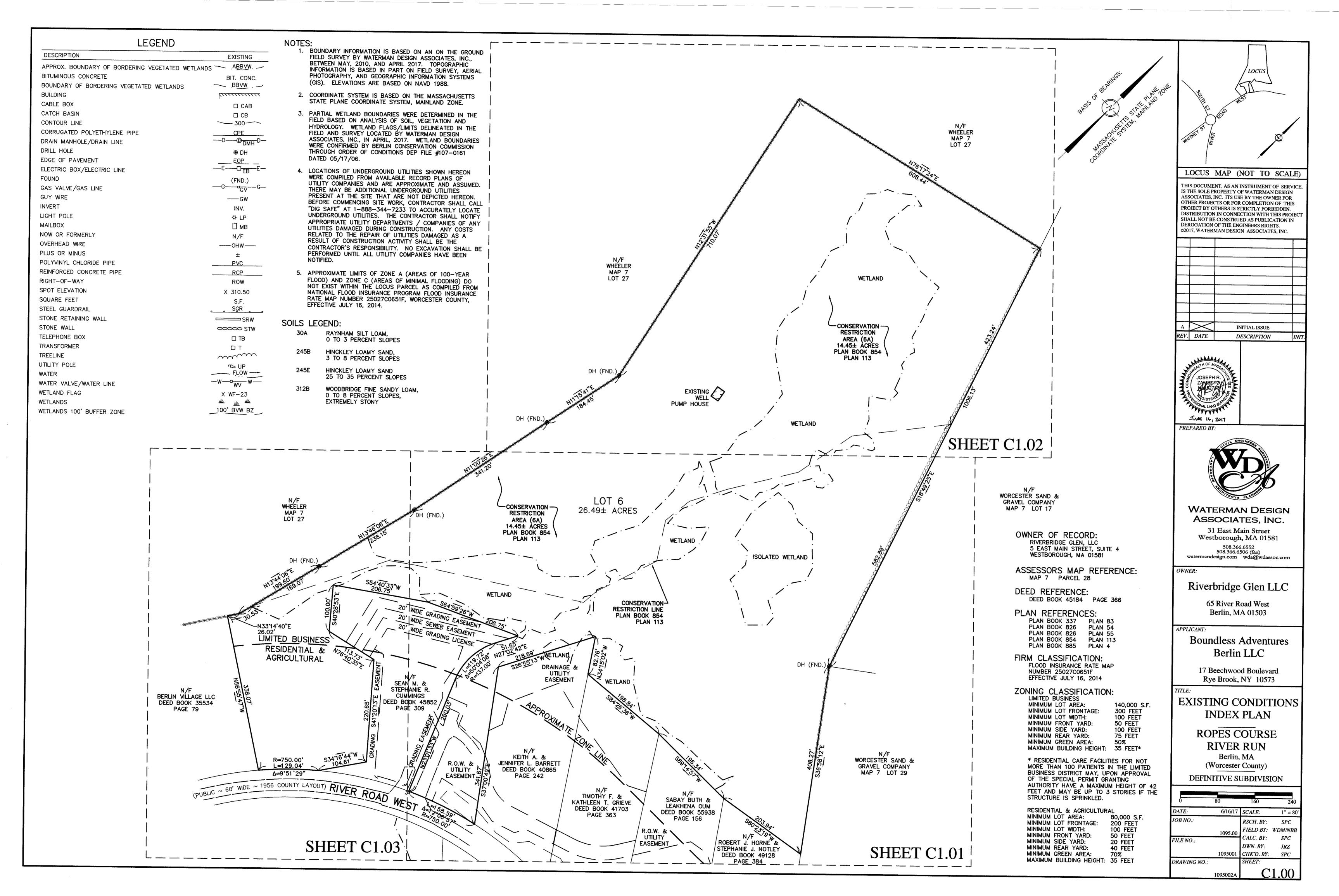
C3.01 GRADING, DRAINAGE & UTILITIES PLAN

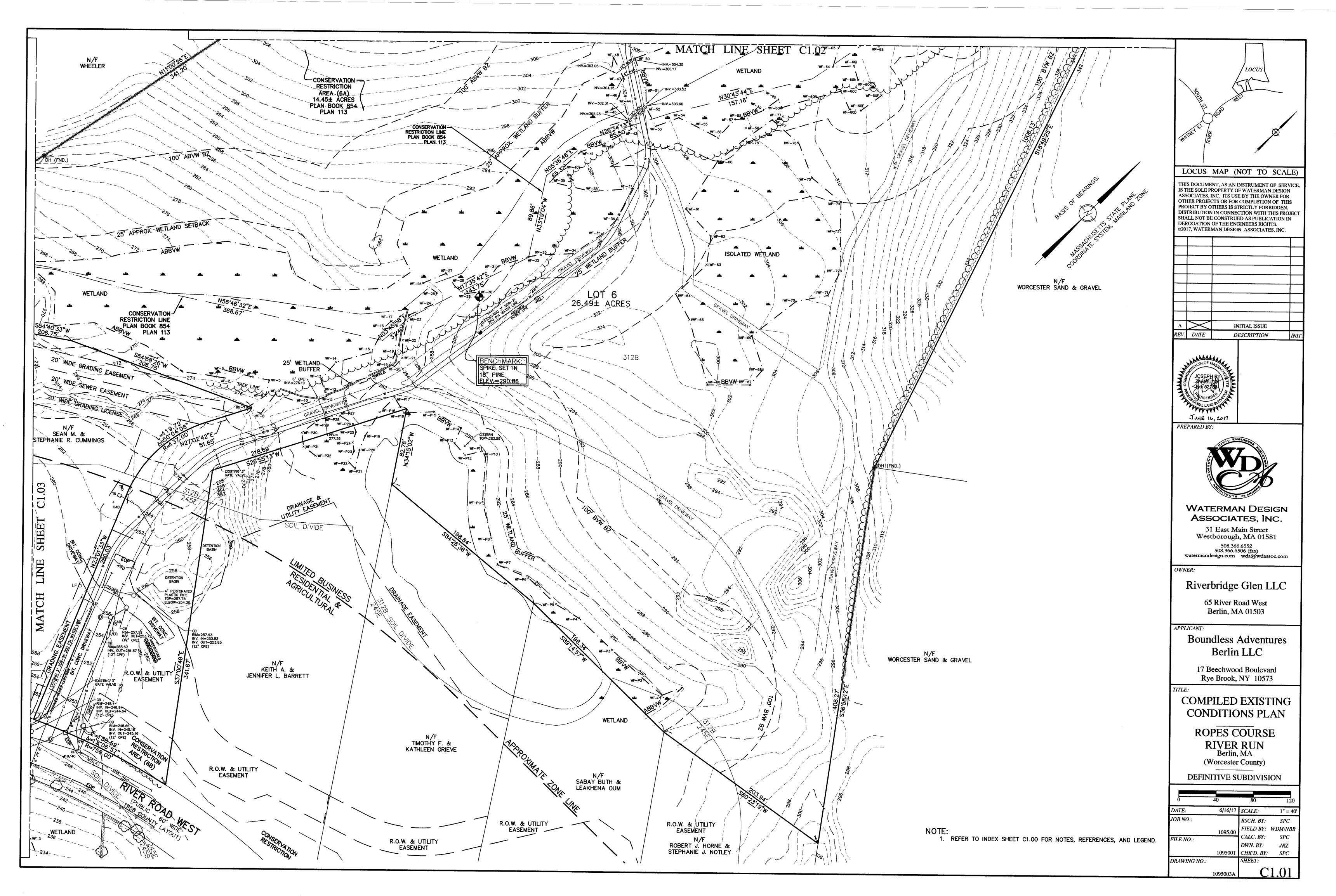
C4.00 LIGHTING PLAN

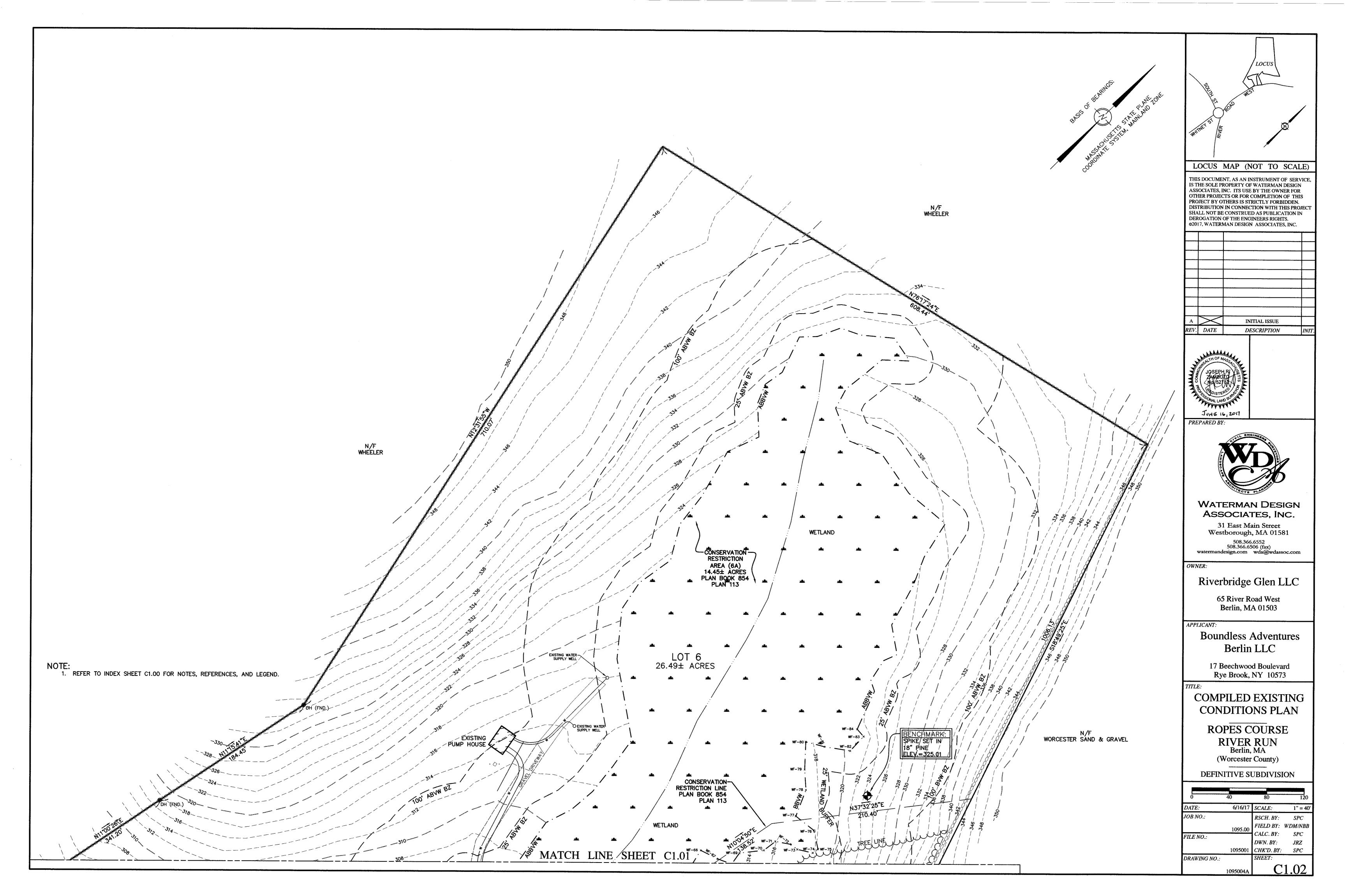
C5.00 - C5.01 DETAILS

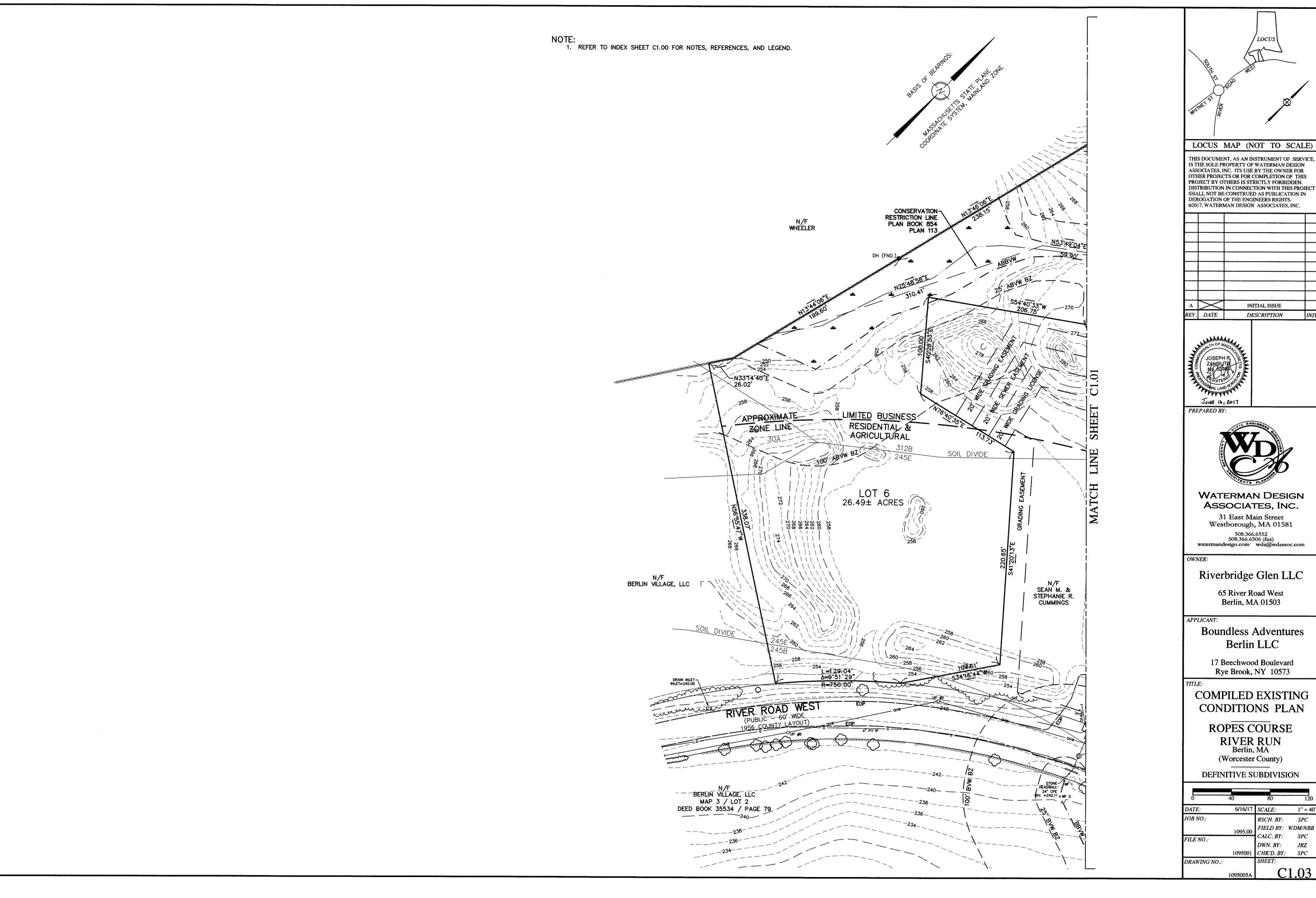
FILE NO.: DWG. NO.: 1095600 1095600*A* 

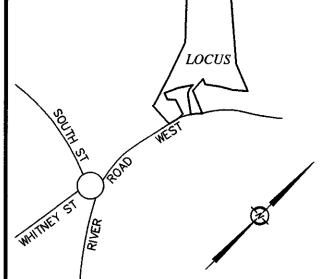
**REGULATORY PERMITTING** 



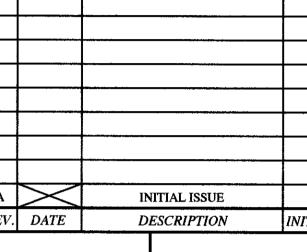




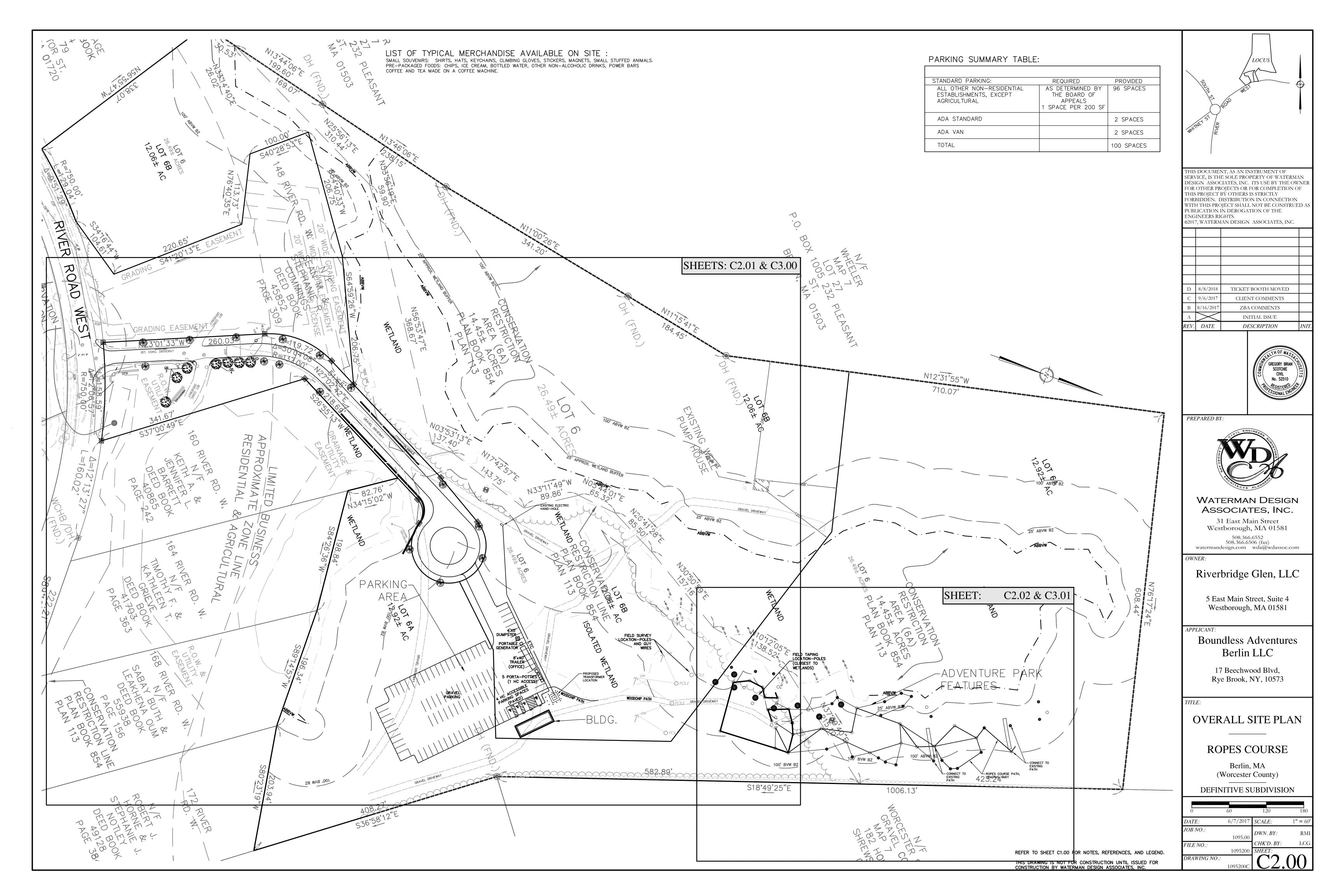


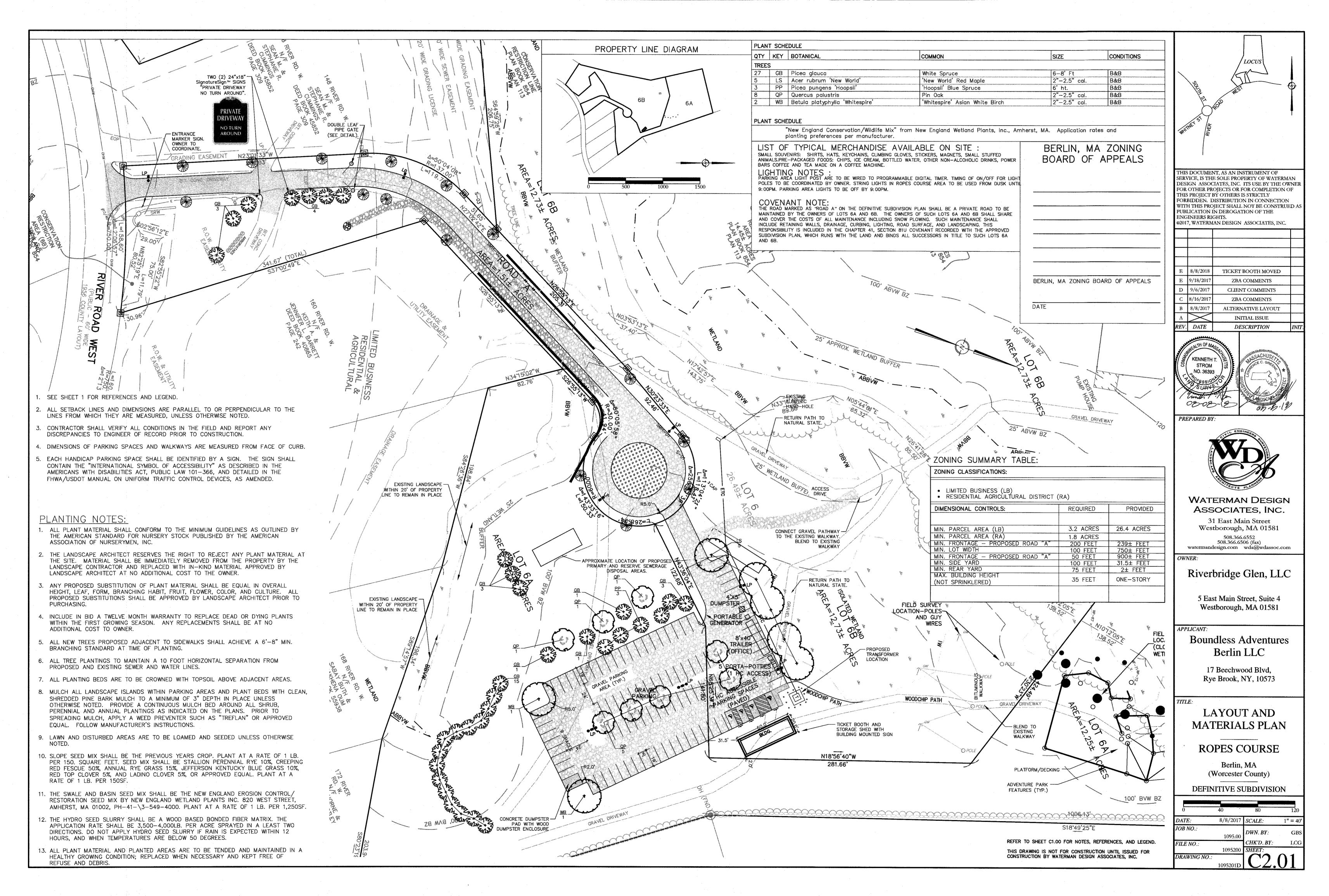


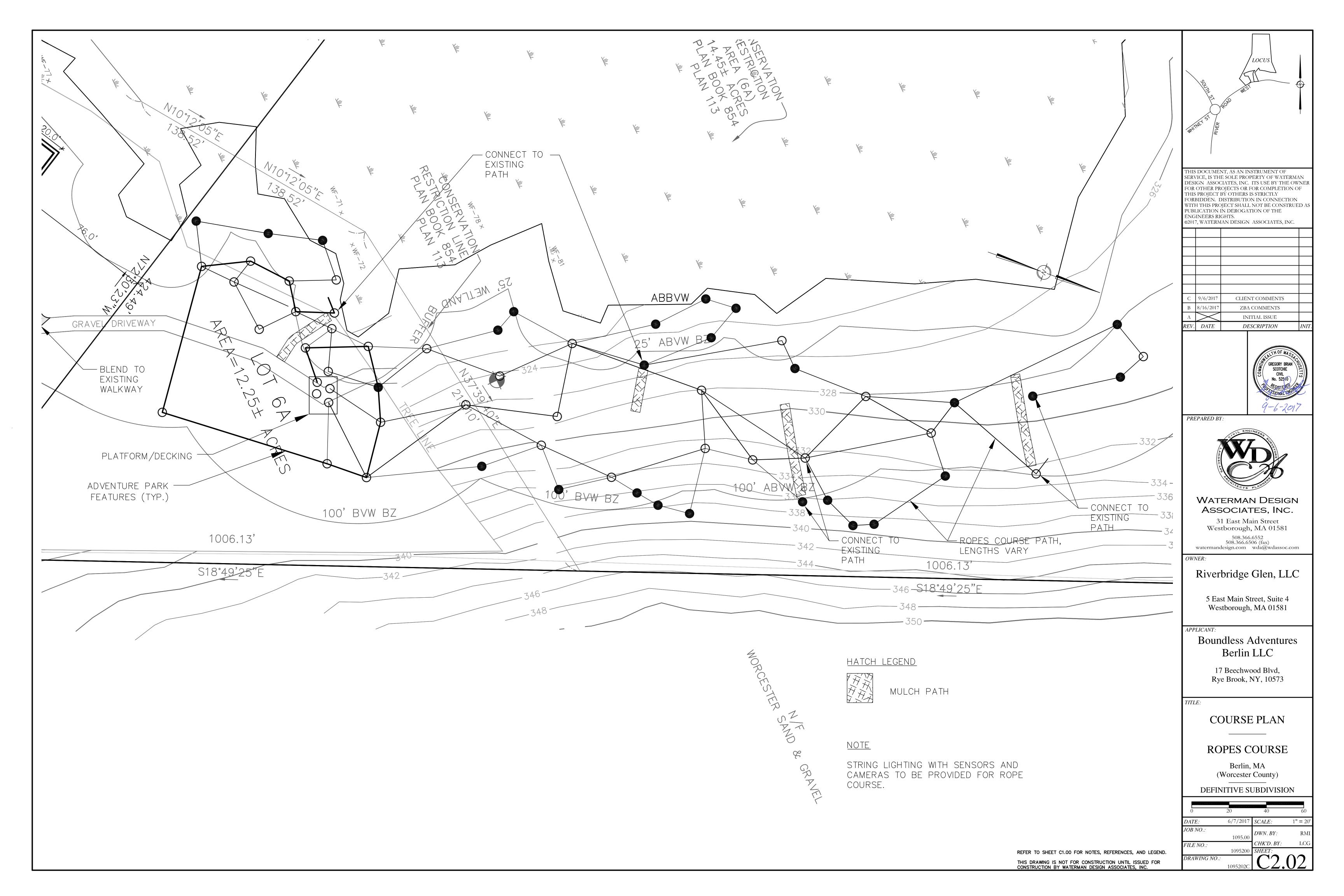
THIS DOCUMENT, AS AN INSTRUMENT OF SERVICE, IS THE SOLE PROPERTY OF WATERMAN DESIGN SHALL NOT BE CONSTRUED AS PUBLICATION IN

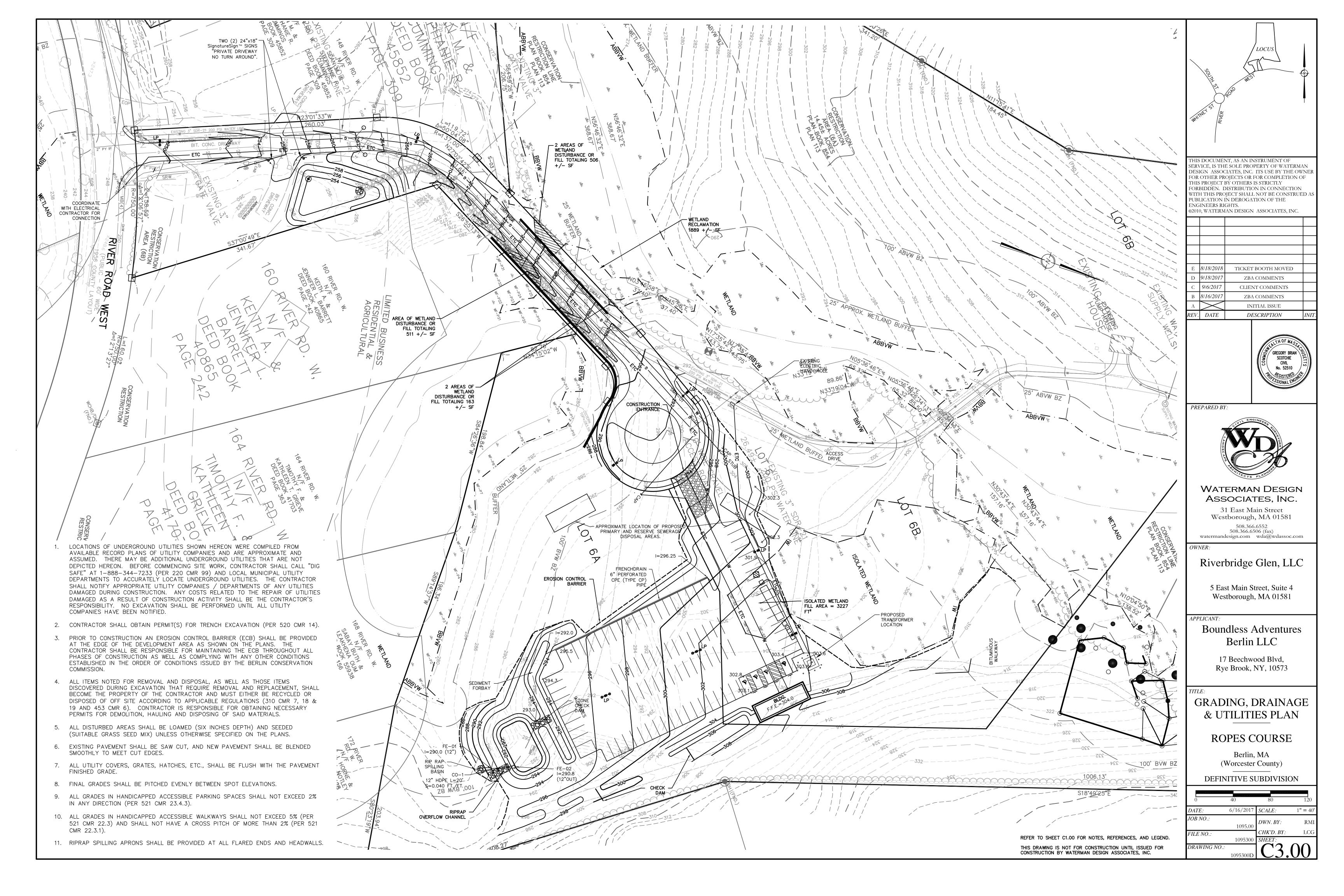


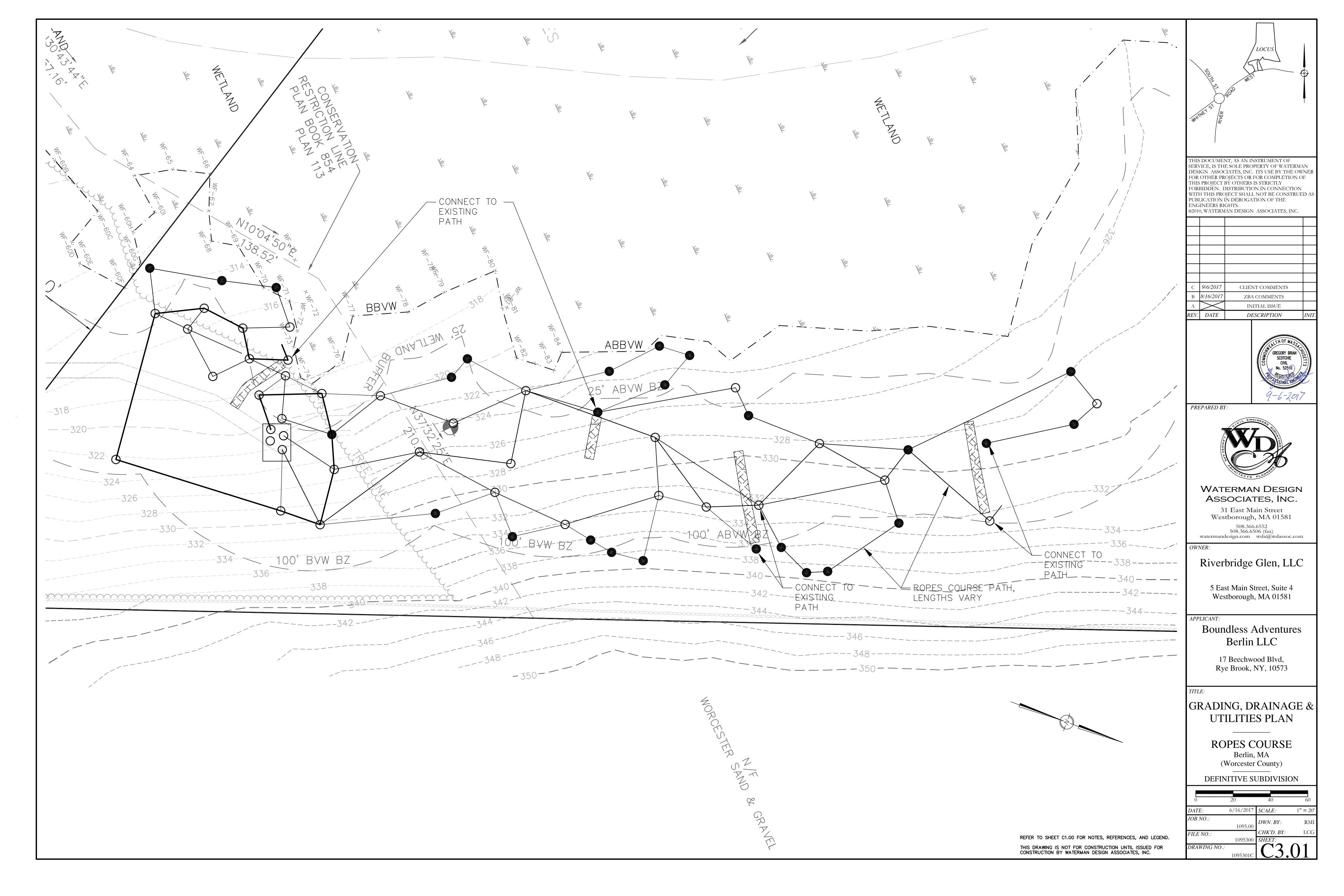
0	40	80	120
DATE:	6/16/17	SCALE:	1" = 4
JOB NO.: FILE NO.:	1095.00	RSCH. BY: FIELD BY: W. CALC. BY: DWN. BY:	SPC DM/NBI SPC JRZ
DRAWING NO.:	1095001	CHK'D. BY: SHEET:	SPC
DRAWING NO	1095005A		.03

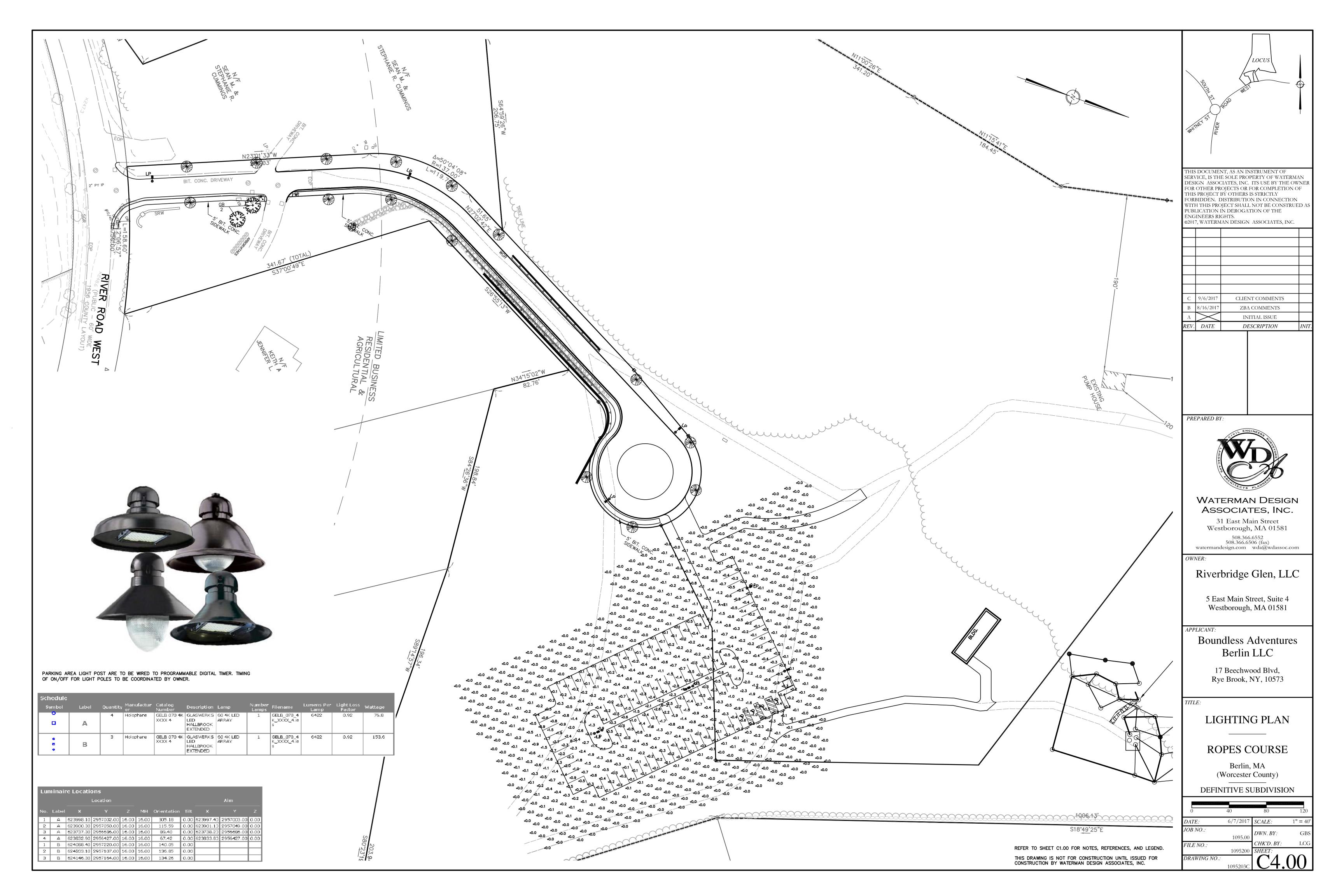


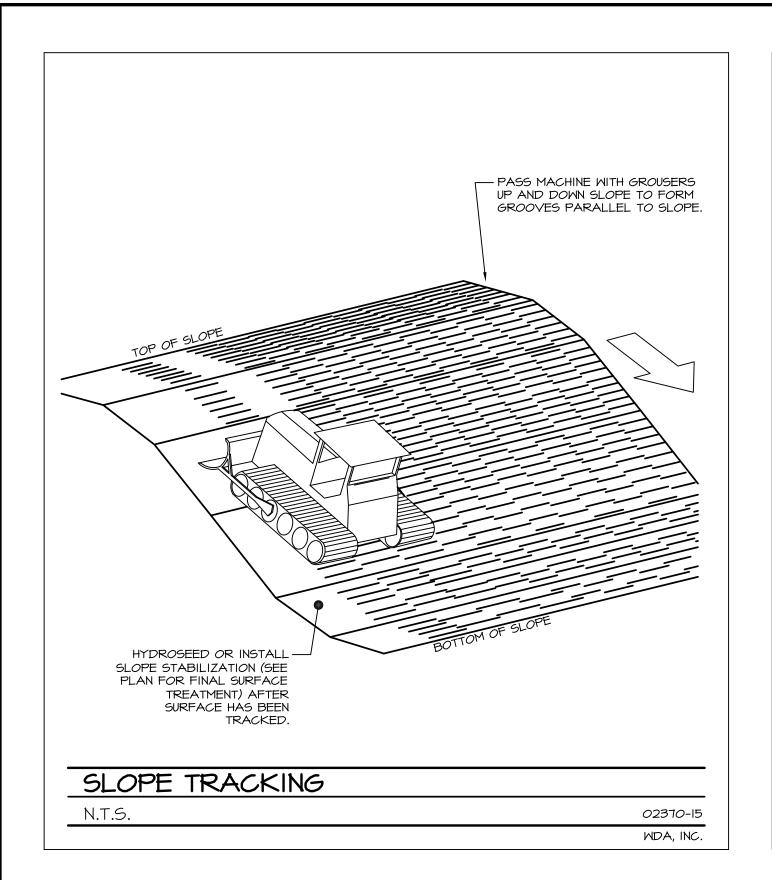


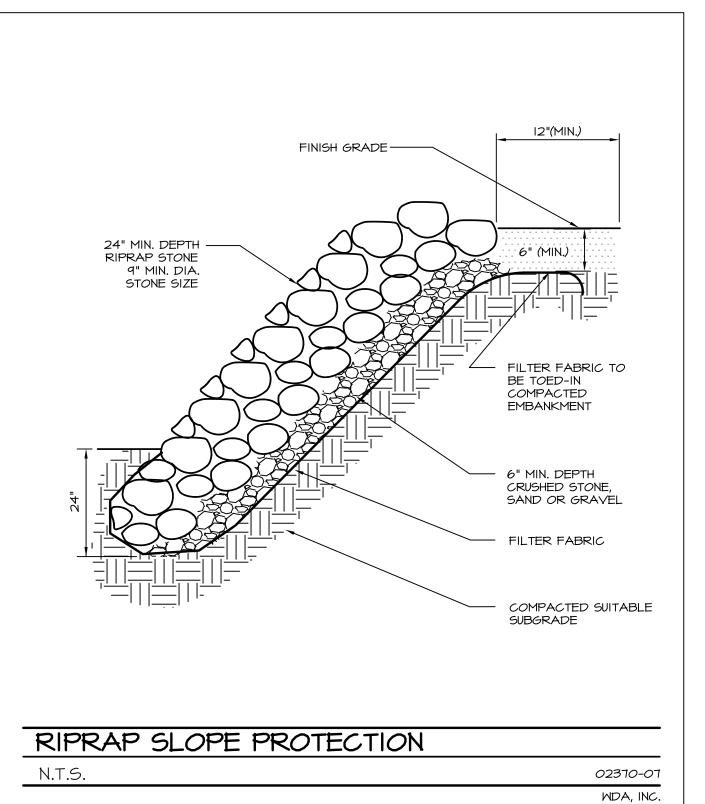












BAG REMOVAL

FROM INLET

SILTSACK

BASIN

USE AFTER BINDER COURSE HAS

BEEN PAVED, PRIOR TO STABILIZATION

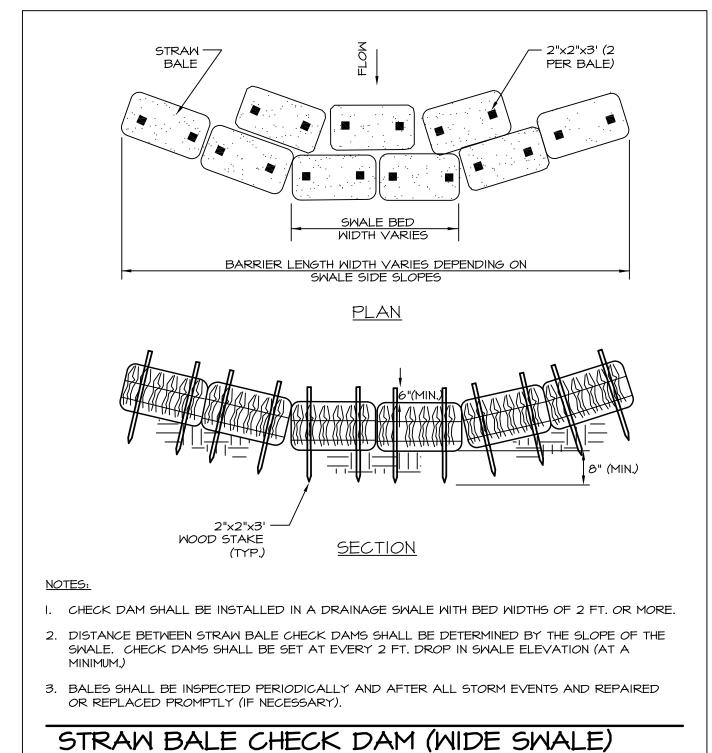
OF SURROUNDING UPGRADIENT TERRAIN.

INLET SEDIMENT CONTROL DEVICE

EXISTING CATCH

N.T.S.

(TYP.)

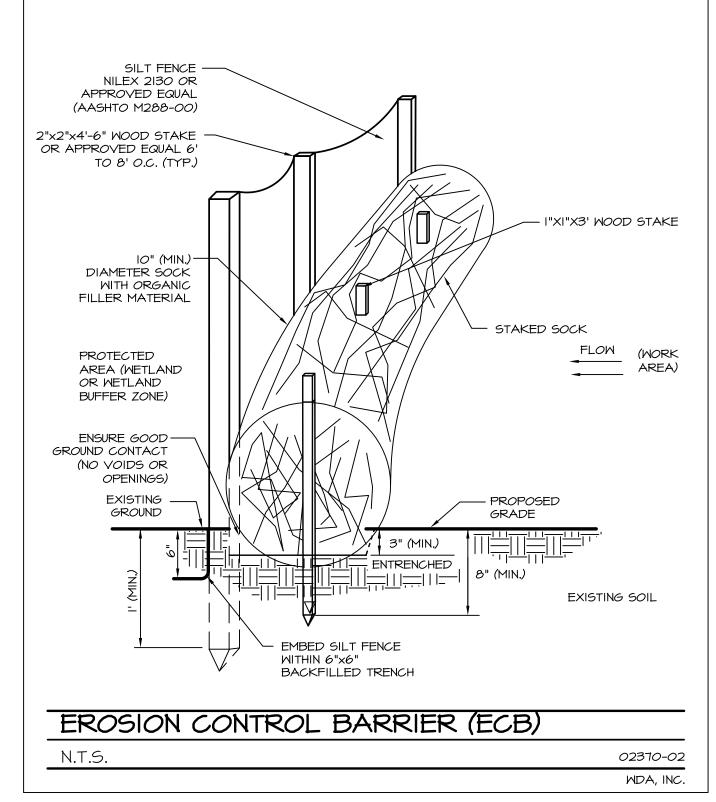


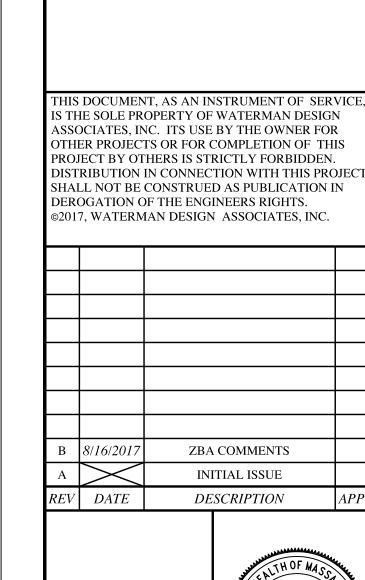
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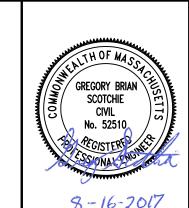
N.T.S.

02370-10

MDA, INC.







PREPARED BY:



WATERMAN DESIGN ASSOCIATES, INC.

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watermandesign.com wda@wdassoc.com OWNER:

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5 East Main Street, Suite 4 Westborough, MA 01581

PREPARED FOR:

Boundless Adventures Berlin LLC

17 Beechwood Blvd, Rye Brook, NY, 10573

MDA, INC.

**DETAILS** 

ROPES COURSE

Berlin, MA

(Worcester County) **DEFINITIVE SUBDIVISION** 

6/16/2017 *SCALE*: IOB NO.. 1095.00 CHK'D. BY: <u>LCG</u>

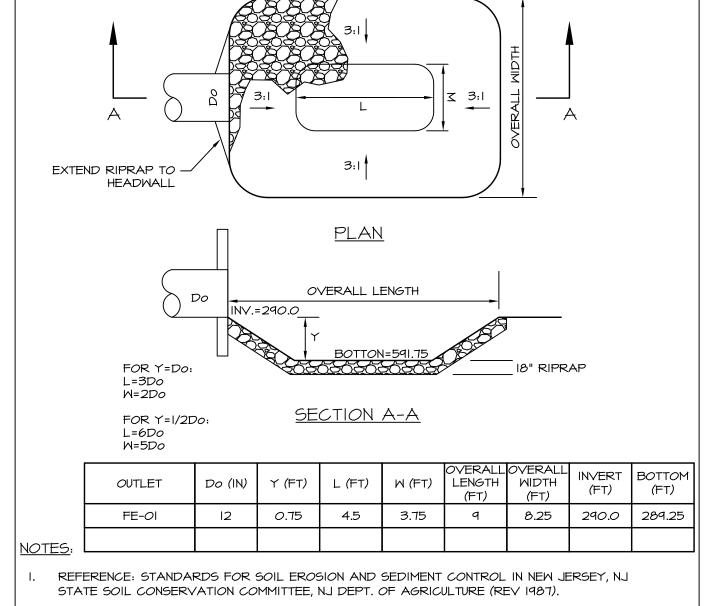
CATCH BASIN GRATE STRAW BALE (TYP.) 1/2" CLEAN CRUSHED STONE (MASSDOT M2.01.1) FILTER FABRIC MIRAFI 140N OR APPROVED EQUAL FILTER FABRIC, - CATCH BASIN OVERLAP I/2 TRENCH MIDTH AT CENTER FILTER FABRIC CENTERLINE OF PERFORATIONS 3/4" - 1 1/2" CLEAN CRUSHED STONE (MASSDOT M2.01.2) EMBEDMENT 6" PERFORATED UNDERDRAIN PIPE (INV. EL. VARIES, SEE PLAN FOR LOCATIONS) I. TO BE USED OFF OF PAVEMENT OR PRIOR TO PAVING ONLY. USE INLET SEDIMENT CONTROL DEVICE FOR PAVEMENT AREAS (SEE DETAIL). ENCLOSE STRUCTURE WITH STRAW BALES IMMEDIATELY AFTER CATCH BASIN CONSTRUCTION. 2. MAINTAIN UNTIL PAVING BINDER COURSE IS COMPLETE OR A PERMANENT STAND OF GRASS HAS BEEN ESTABLISHED. 3. IF GRATE IS AGAINST EXISTING CURB THEN STRAW BALES ARE TO BE PLACED AROUND THREE SIDES OF THE GRATE ONLY. 4. GRATE TO BE PLACED OVER FILTER FABRIC. 5. STRAW BALES SHALL BE INSPECTED PERIODICALLY AND AFTER ALL STORM EVENTS AND REPAIR OR REPLACEMENT SHALL BE PERFORMED PROMPTLY AS NEEDED. CATCH BASIN SEDIMENT TRAP FRENCH DRAIN

N.T.S.

02370-06

1"x1"x3' WOOD STAKES (2 PER

BALE)



- 2. USE AT ALL WINGWALLS AND HEADWALLS.
- 3. MEDIAN STONE SIZE (D50) SHALL BE 9".

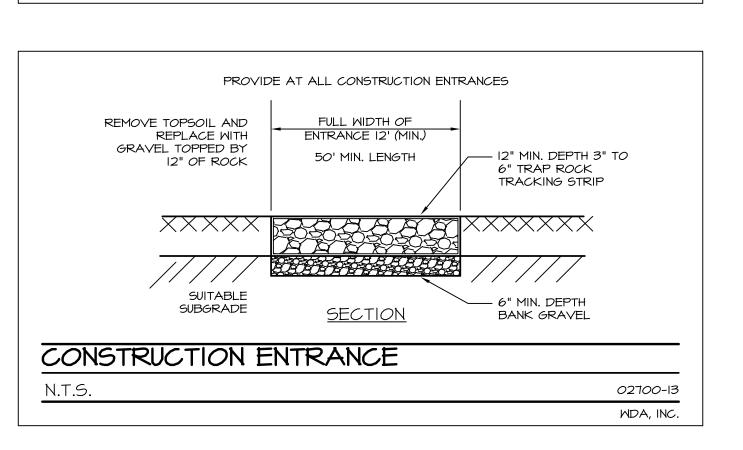
4. DRAINAGE FABRIC BELOW RIPRAP SHALL BE MIRAFI 140N OR EQUAL.

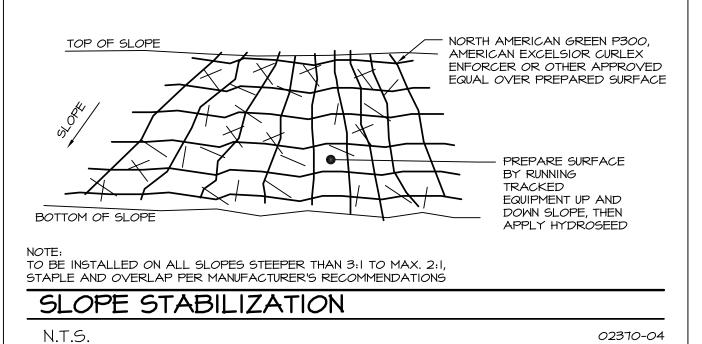
RIPRAP STILLING BASIN

02600-STILLINGBASIN

- APPROVED GRASS MIX. SEE SPECIFICATIONS. — 6" MIN. LOAM - COMPACTED SUITABLE SUBGRADE OR COMMON BORROW FILLE

LOAM AND SEED MDA, INC.





MUTCD REFERS TO MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, 1988 EDITION (AS AMENDED AND/OR <u>STANDARD HIGHWAY SIGNS, 1979</u> (AS AMENDED), BOTH ISSUED BY THE USDOT/FHWA.

MDA, INC.

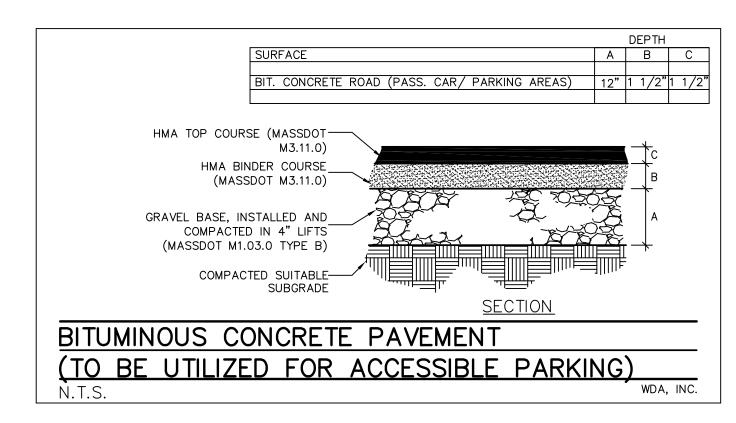
02370-05

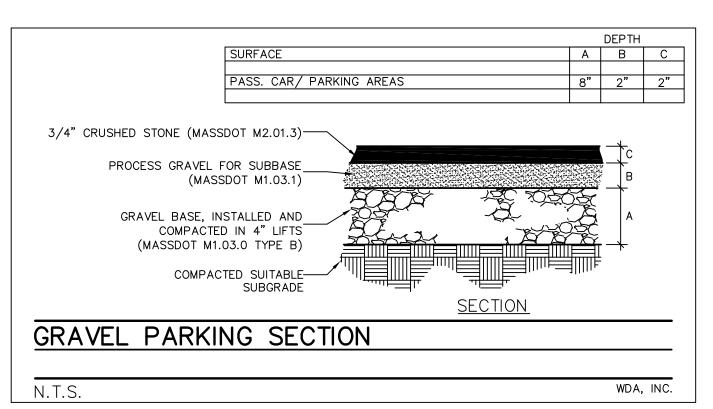
MDA, INC.

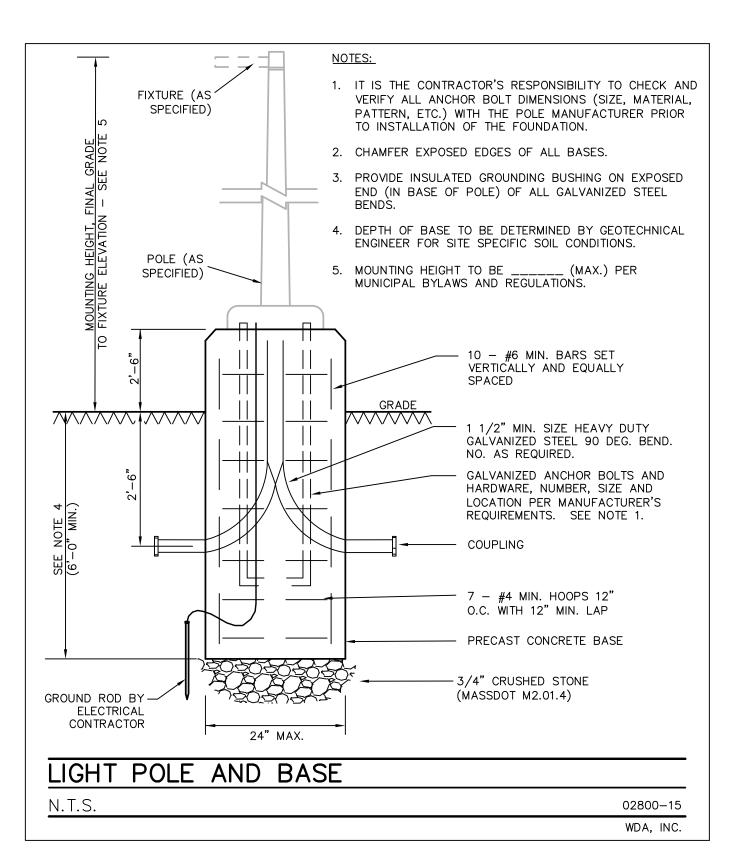
AASHTO REFERS TO <u>AASHTO STANDARD SPECIFICATIONS FOR TRANSPORTATION MATERIALS AND METHODS OF SAMPLING AND TESTING, PART I - SPECIFICATIONS, TWENTIETH EDITION</u> (AS AMENDED).

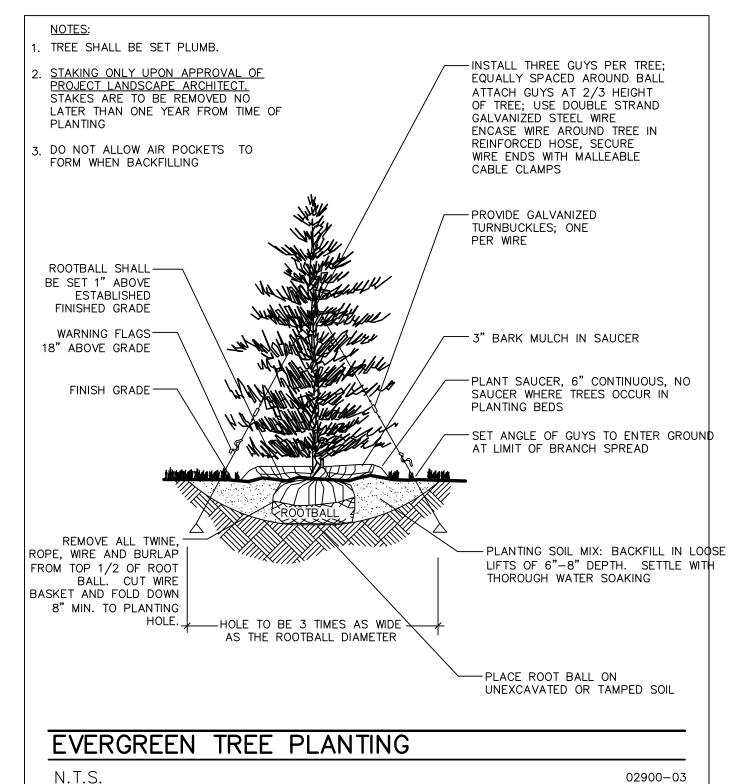
1988 (AS AMENDED). DPW REFERS TO LOCAL DEPARTMENT OF PUBLIC WORKS. THIS DRAWING IS NOT TO BE USED FOR CONSTRUCTION PURPOSES UNTIL

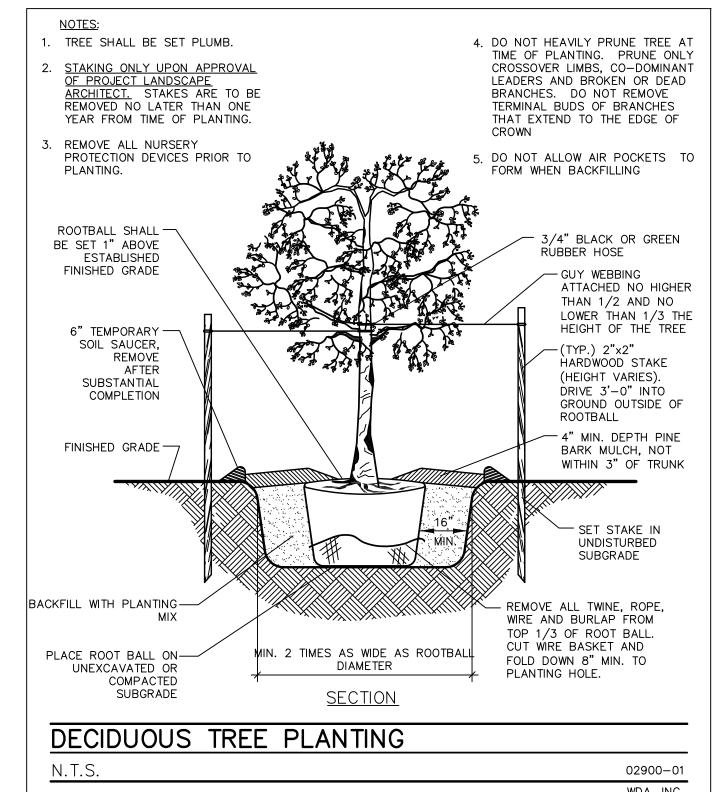
MHDSS REFERS TO MASS. HIGHWAY DEPT. STANDARD SPECIFICATIONS FOR HIGHWAYS AND BRIDGES, FILE NO.: 1095500 *SHEET*: DRAWING NO.. ISSUED AS A CONSTRUCTION DRAWING BY WATERMAN DESIGN ASSOCIATES, INC.

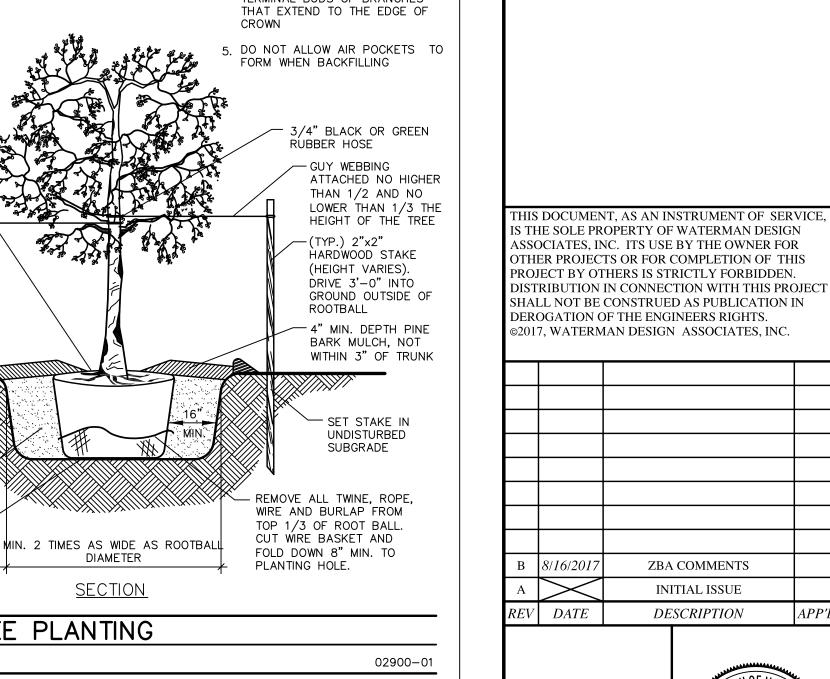


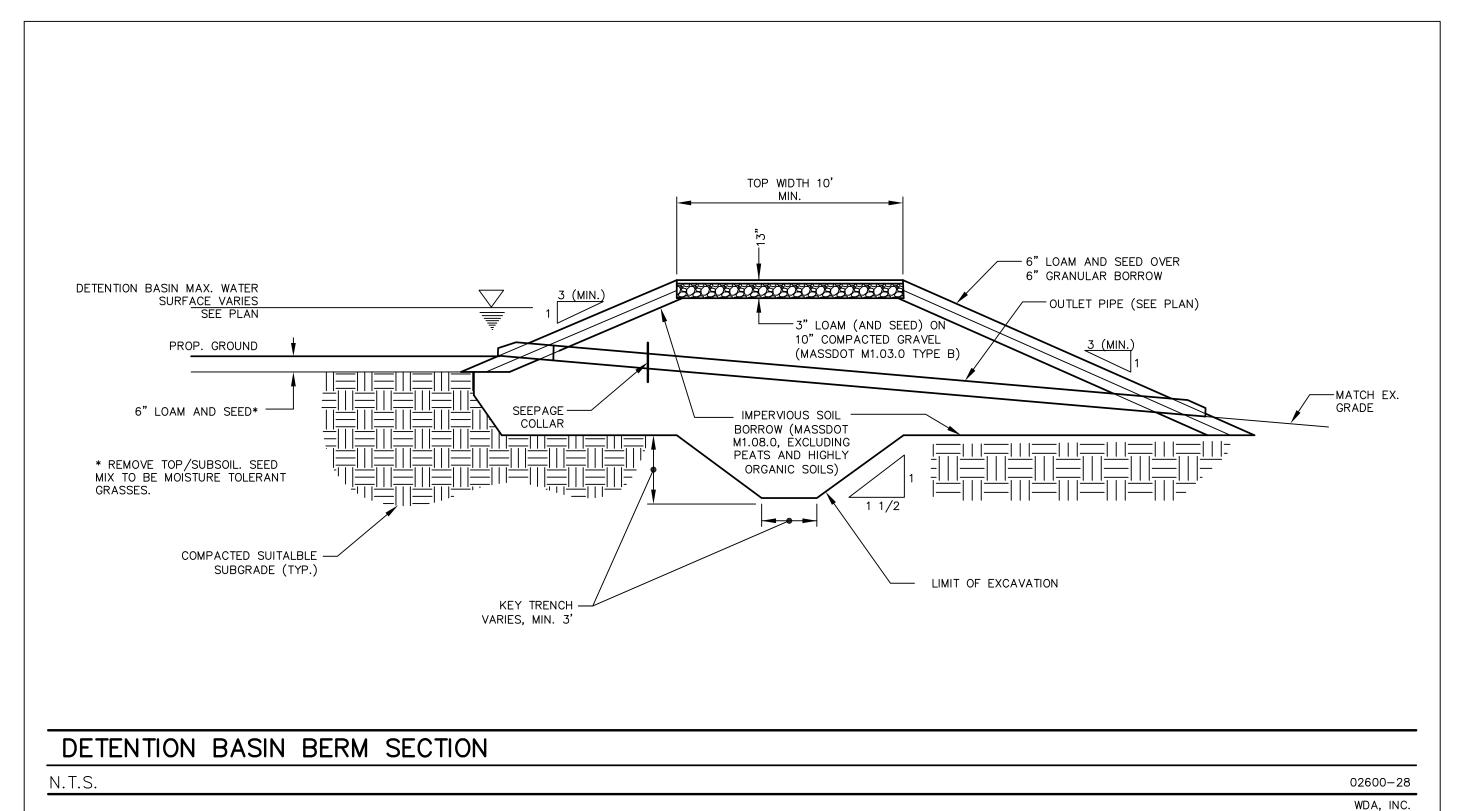


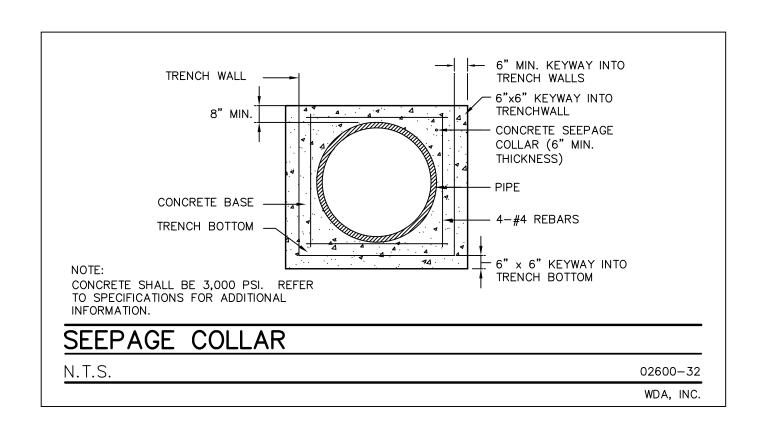


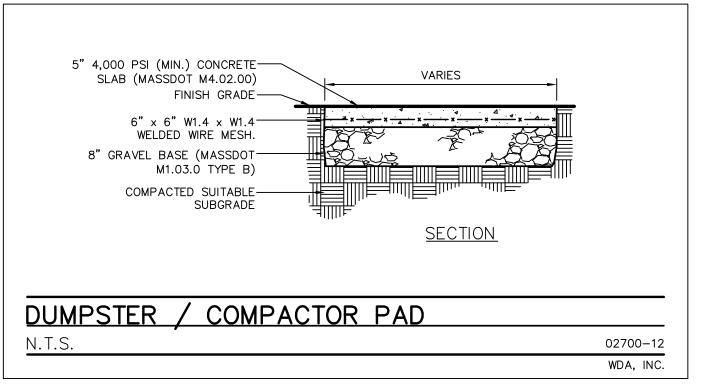


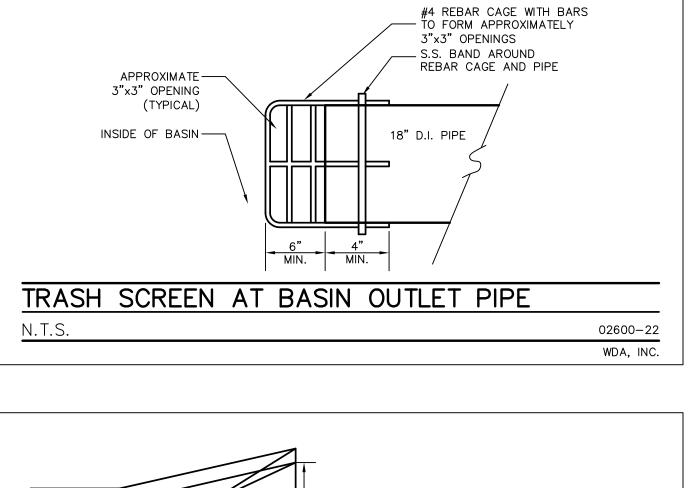




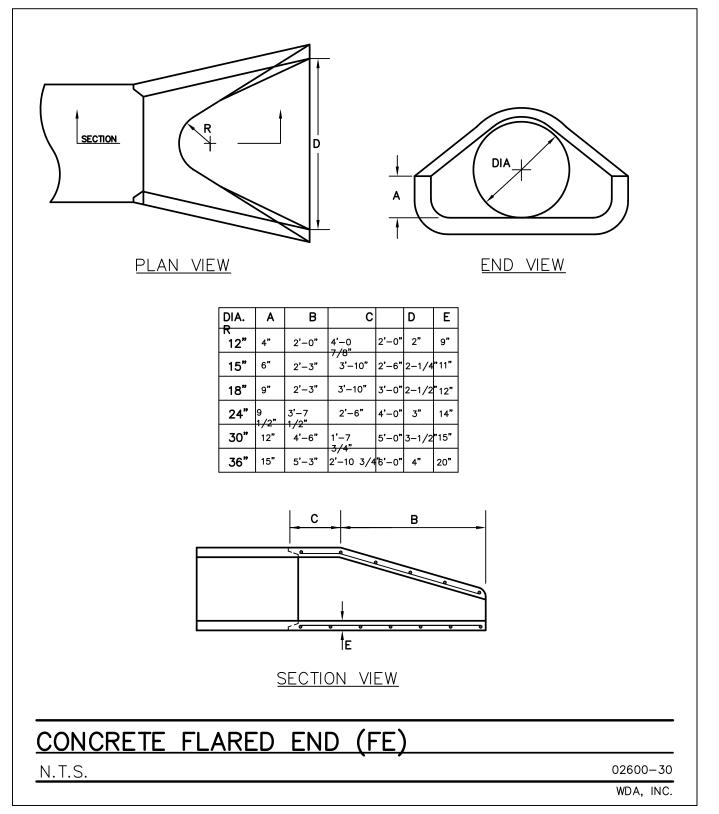


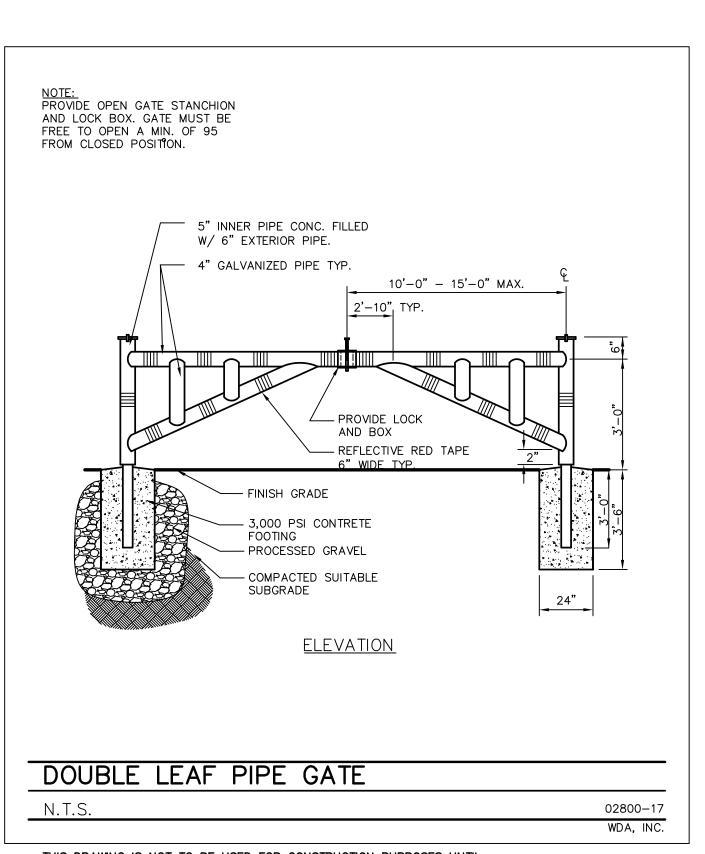




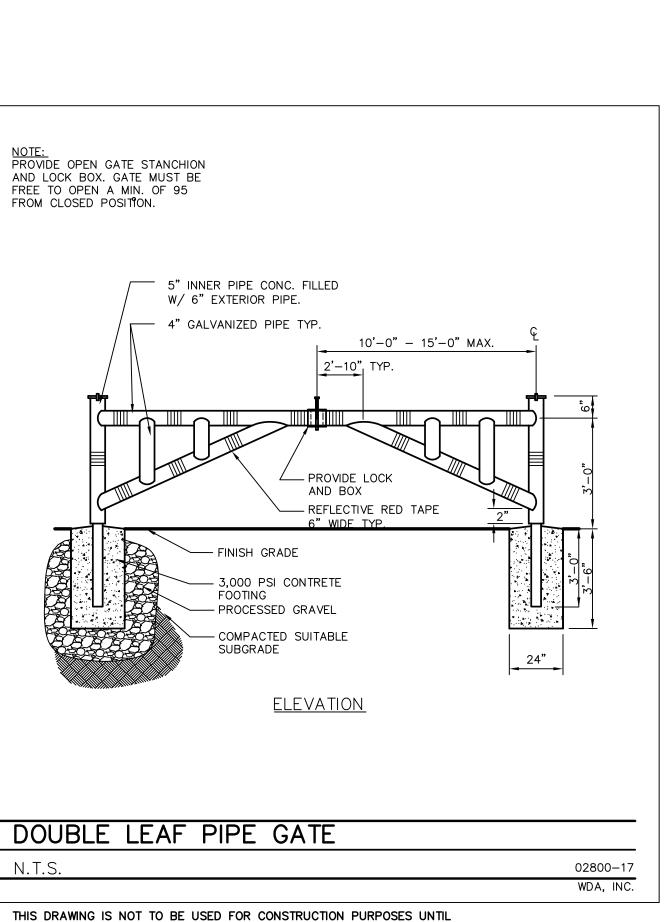


WDA, INC.





ISSUED AS A CONSTRUCTION DRAWING BY WATERMAN DESIGN ASSOCIATES, INC.



**DEFINITIVE SUBDIVISION** 

GREGORY BRIAN SCOTCHIE CIVIL No. 52510

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OWNER:

PREPARED FOR:

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ASSOCIATES, INC.

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Boundless Adventures

Berlin LLC

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ROPES COURSE

Berlin, MA

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