

Buncombe County Planning Board
April 20, 2015

Buncombe County Planning Board met April 20, 2015 in the meeting room at 30 Valley Street. Members present were Joan Walker, Parker Sloan, Robert Martin, Dusty Pless, David Rittenberg, Nancy Waldrop, and Thad Lewis. Also present were Michael Frue, Staff Attorney; Debbie Truempy, Zoning Administrator; and Gillian Phillips, Planning staff.

The newly appointed Planning Board members were in an informal training session from 9:00 am to 9:30 am.

As there was no appointed Chair or Vice-Chair, Mr. Frue acted as Chair for the meeting.

Call to Order

Mr. Frue called the meeting to order at 9:32 am.

Self-Introduction of Board Members

The Board members introduced themselves.

Approval of Agenda

Mr. Rittenberg made a motion to approve the agenda as submitted. Mr. Martin seconded the motion and the motion passed unanimously.

Approval of Minutes (March 16, 2015)

Mr. Martin made a motion to approve the minutes as submitted. Ms. Walker seconded the motion and the motion passed unanimously.

Public Comment

Dede Stiles asked members present to provide the public with their background. The members present described their background.

SUB2015-00078: *Drew Norwood of Windsor Built Homes, Inc. was seeking preliminary approval of Glen Bridge Road Subdivision, which is located at 925 Glen Bridge Road SE (PIN 9634-63-4032).*

The Board was provided with the submitted plans (Attachment A) and proposed staff conditions (Attachment B) prior to the hearing. Drew Norwood and Will Buie were present to represent the case to the Board. Mr. Norwood described the proposed project to the Board. Mr. Buie described the technical aspects of the project. Mr. Norwood gave an overview of the project. The Board asked questions regarding grading and buffering of the wetlands on the property. Ms. Truempy reviewed the proposed staff conditions for the Board. Mr. Pless made a motion to grant preliminary approval with the proposed staff conditions. Mr. Lewis seconded the motion and the motion passed unanimously.

SUB2015-00079: Will Buie of WGLA Engineering, PLLC was seeking preliminary approval of The Ramble, Biltmore Forest Subdivision, Block E, which is located off of Promenade Drive (PIN 9645-46-1075).

The Board was provided with the submitted plans (Attachment C) and proposed staff conditions (Attachment D) prior to the hearing. Lee Thompson and Will Buie were present to represent the project. Mr. Buie described this proposed section of the development. The Board and Mr. Buie discussed how common areas were maintained in the development and what stormwater practices were being utilized within the development. Ms. Truempy reviewed the proposed staff conditions for the Board. Mr. Martin made a motion to grant preliminary approval with the proposed staff conditions. Mr. Pless seconded the motion and the motion passed unanimously.

Public Hearings (Zoning Map Amendments)

ZPH2014-00009: Zach Penland applied to rezone tax lot PINs 9699-70-0426 (2700 US 70 Hwy) and 9699-60-0264 (located to the West of 2693 US 70 Hwy), which are currently zoned Residential District R-3 to Commercial Service District CS.

ZPH2015-00012: Debbie Truempy, Buncombe County Zoning Administrator, initiated a proposal to rezone tax lot PIN 9699-60-8454 (2690 US 70 Hwy), which is currently zoned Residential District R-3 to Commercial Service District CS.

The Board was provided with GIS maps (Attachment E), the submitted applications (Attachment F), and the staff recommendation (Attachment G) prior to the meeting. Ms. Truempy reviewed the case for the Board. Jesse Gardner was present to represent the applicant. The Board discussed a drainage area that existed on the property. Mr. Frue asked if anyone would like to make public comment. Ms. Stiles indicated that she would like to speak. Ms. Stiles indicated that the drainage area the Board had discussed was due to excavation and not a naturally occurring pond. There being no one else wishing to speak, Mr. Frue closed the public hearing. Ms. Walker made a motion to approve both cases with the consistency statement provided in the staff recommendation. Mr. Sloan seconded the motion and the motion passed unanimously.

ZPH2015-00014: Thomas Montgomery applied to rezone tax lot PINs 9678-78-0100 (located to the Northwest of the intersection of Sylvester Way and US 70 Hwy) and 9678-68-9411 (located to the East of 1860 US 70 Hwy), which are currently zoned Residential District R-2 to Commercial Service District CS.

Ms. Truempy indicated that Mr. Montgomery had asked that this case be continued to the May 18th meeting. Mr. Lewis made a motion to continue the case to the May 18th meeting. Mr. Pless seconded the motion and the motion passed unanimously.

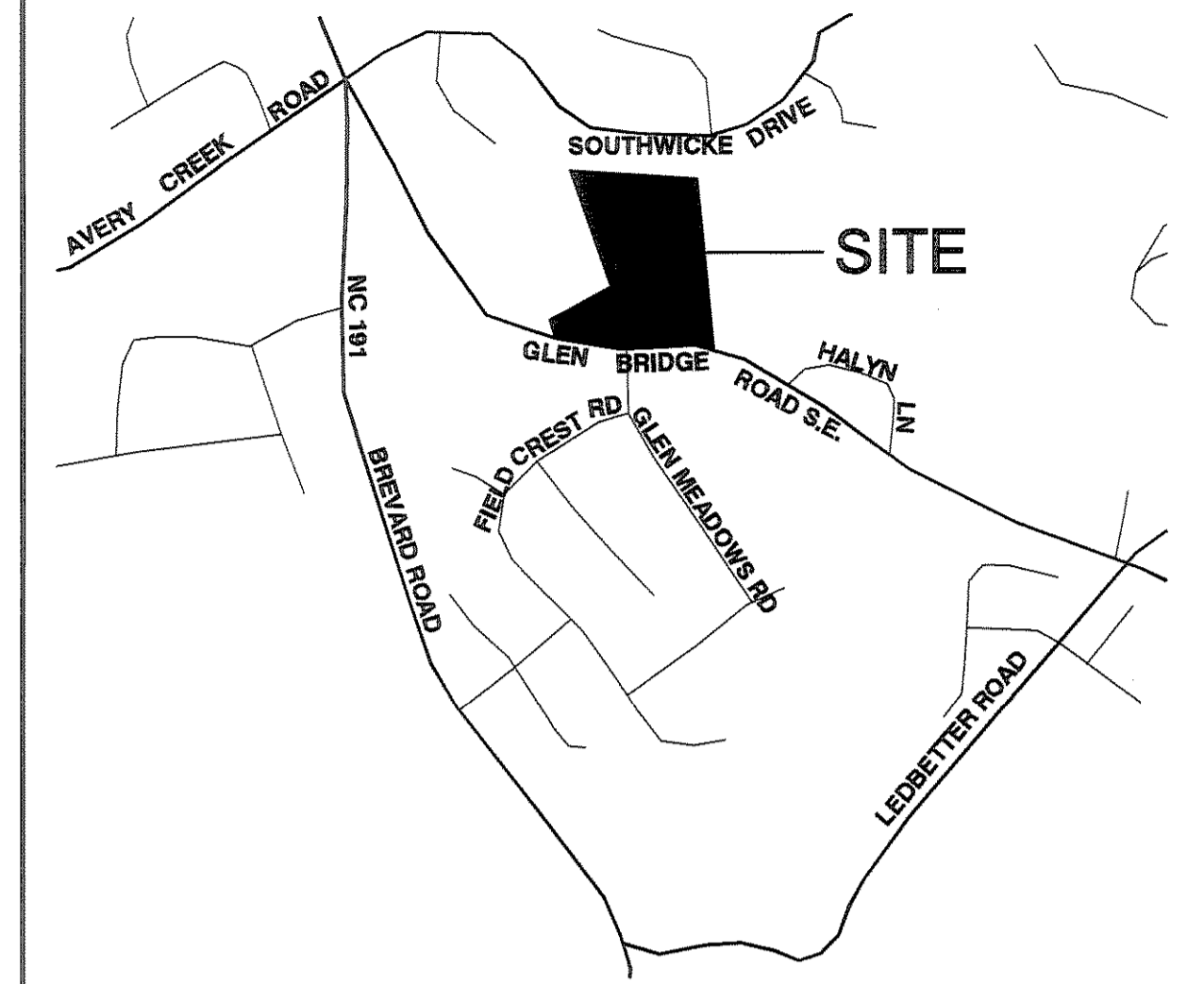
Adjournment

The meeting was adjourned.

WGLA Project Number: 14176
Revisions:

sub2015-00078
submitted 3/6/2015

- The plans were granted preliminary approval at the 4/20/2015 meeting with the following conditions:
Provide proof of approval of road names and addresses from E-911 Addressing.
- Provide proof of approval from the Buncombe County Erosion Control Officer that an Erosion Control Plan has been submitted and approved for the project. *No grading shall occur on the site until an approved Buncombe County Erosion Control permit is obtained.*
 - Provide proof of approval from the Buncombe County Stormwater Administrator that a stormwater management plan has been submitted and approved for the project. *No grading shall occur on the site until an approved Buncombe County Stormwater permit is obtained.*
 - Provide proof of approval of system design for City of Asheville Water lines. Proof of acceptance of the water lines into the City of Asheville's water system or an engineer's certification that the system has been installed to City of Asheville's standards will be required prior to recordation of a final plat or release of a financial guarantee.
 - Provide proof of approval of system design from the Metropolitan Sewerage District. Proof of acceptance of the sewer lines into the Metropolitan Sewerage District sewage system or an engineer's certification indicating that the system has been installed to MSD standards will be required prior to recordation of a final plat or release of a financial guarantee.
 - Provide a copy of the approved NCDOT driveway permit.
 - Indicate on the submitted plans that the shared driveway is less than 20% grade.
 - Indicate the existing use of the land abutting the subdivision.



VICINITY MAP
N.T.S.

ATTACHMENT A

Glen Bridge Road Subdivision Site Improvements

BUNCOMBE COUNTY NORTH CAROLINA

INDEX

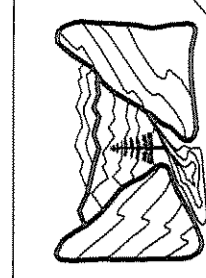
SHEET NO.	DESCRIPTION
C-100	SUBDIVISION PLAN
C-200	GRADING AND EROSION CONTROL PLAN
C-201	PROPOSED ROADWAY PLAN & PROFILE
C-300	STORM DRAINAGE PLAN
C-303	STORM DRAINAGE DETAILS
C-400	SANITARY SEWER SYSTEM LAYOUT
C-500	WATER SYSTEM LAYOUT



WGLA Engineering, PLLC

CONSULTING ENGINEERS & LAND PLANNERS
NC License No: P-1342
214 N. King Street
Hendersonville, North Carolina 28792
(828) 687-7177
wglacorp.com

Developer:
Windsor Built Homes, Inc.
PO Box 16449
Greenville, SC 29606
Contact: Drew Norwood
Phone: (864) 271-9855

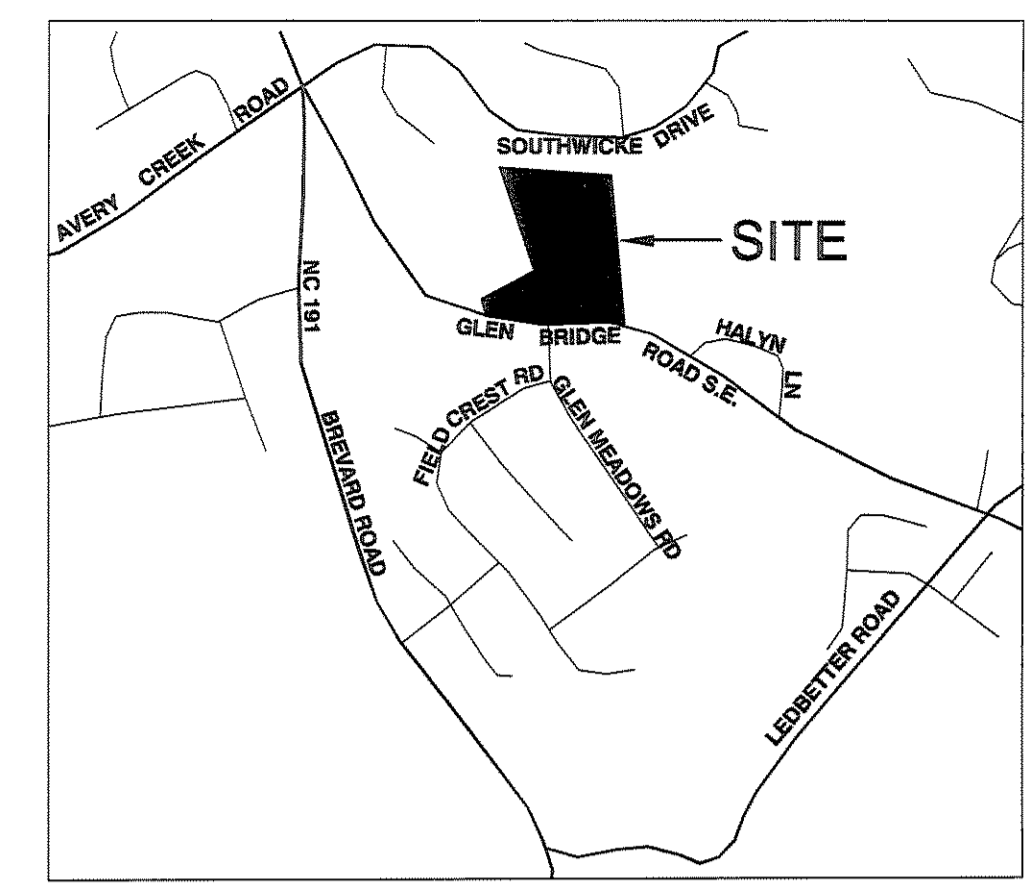


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HENDERSONVILLE, NORTH CAROLINA

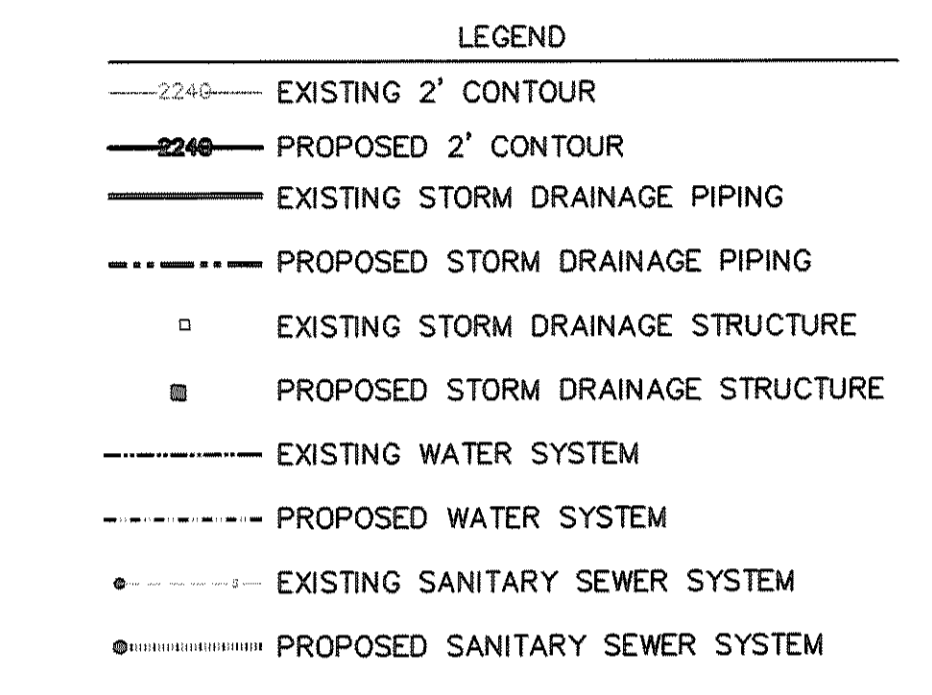
GLEN BRIDGE ROAD SUBDIVISION
BUNCOMBE COUNTY,
NORTH CAROLINA

SUBDIVISION PLAN

sheet
C-100



LOCATION MAP
NOT TO SCALE



PROJECT SUMMARY

PROJECT NAME: GLEN BRIDGE ROAD SUBDIVISION

DEVELOPER: WINDSOR BUILT HOMES, INC.
P.O. BOX 16449
GREENVILLE, SC 29606
(864) 271-9855

OWNER: RT CAROLINA PROPERTIES, LLC.
1800 NW 1ST CT
BOCA RATON, FL 33432

CONTACT PERSON: DREW NORWOOD
PO BOX 16449
GREENVILLE, SC 29606
(828) 271-9855

ENGINEER: WILLIAM R. BUIE, P.E.
WGLA ENGINEERING, PLLC
214 N. KING STREET
HENDERSONVILLE, NC 28792
(828) 687-7177

DEED REF: D.B. 4288 PG. 0118

PIN #: 9634-63-4032

SIZE: 8.25± AC.

ZONING: R2 (BUNCOMBE COUNTY)

TOTAL # OF PROPOSED LOTS: 24 LOTS

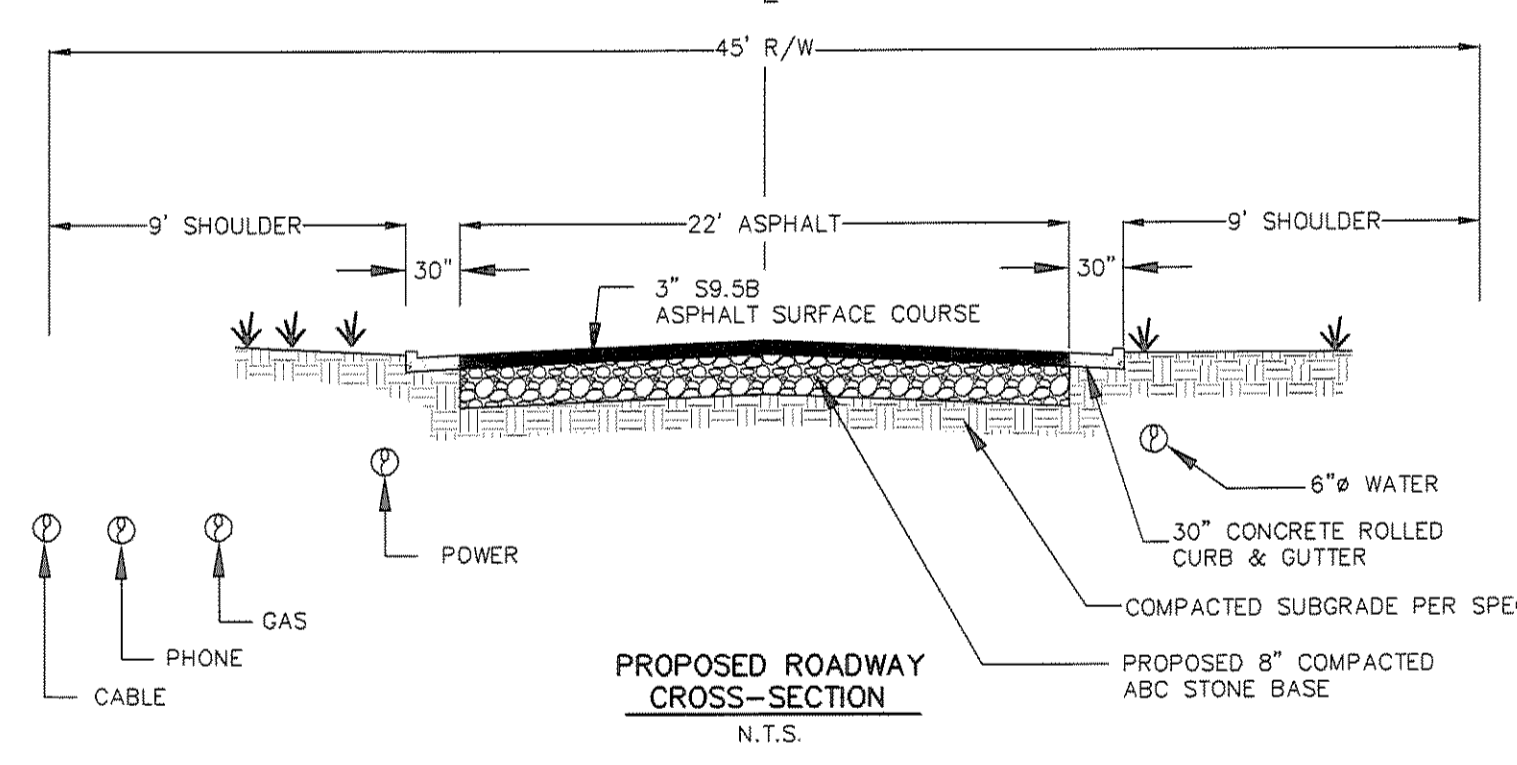
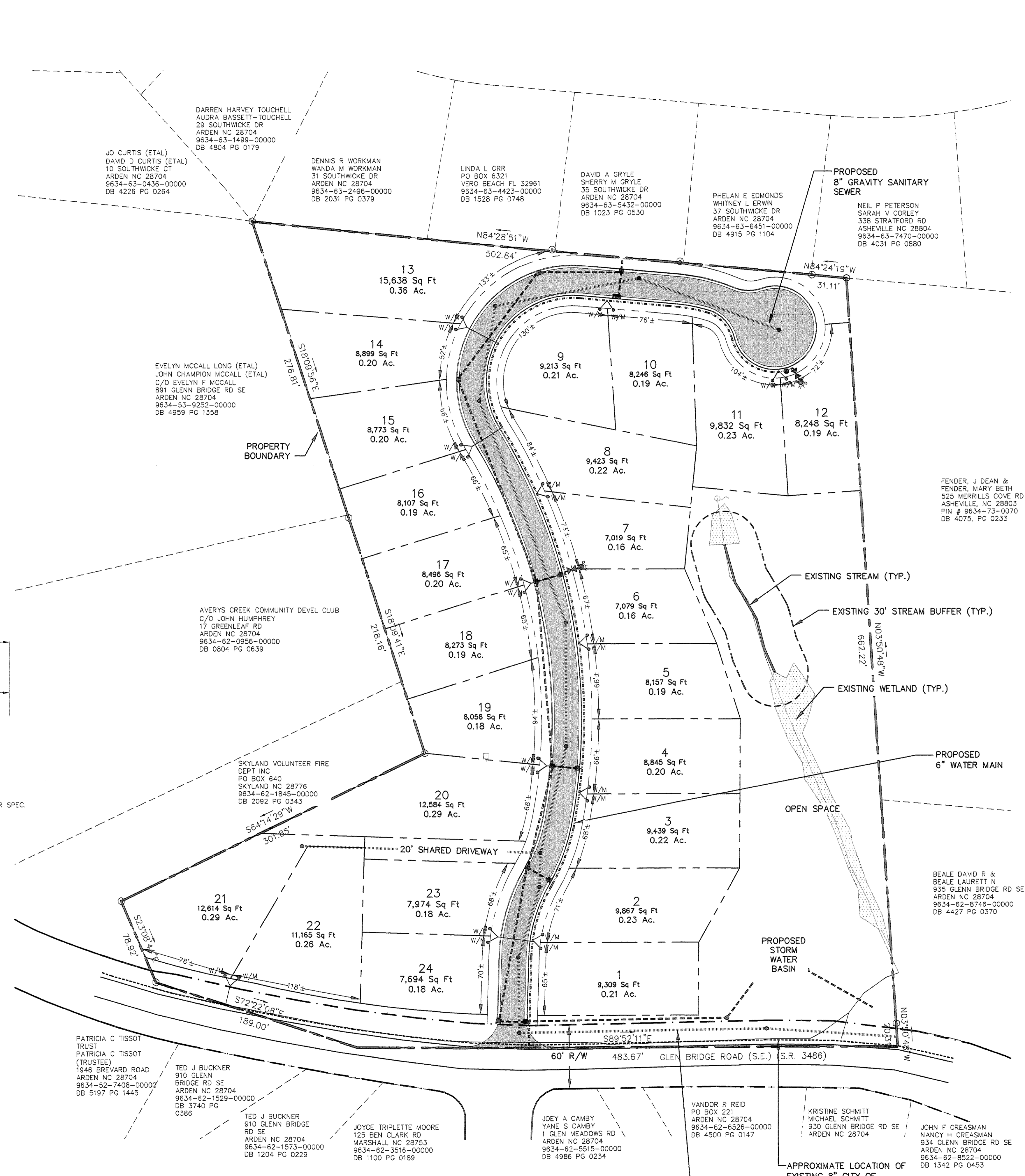
DENSITY: 2.9± LOTS / ACRE

SETBACKS: FRONT - 10 FT
SIDE - 7 FT
BACK - 15 FT

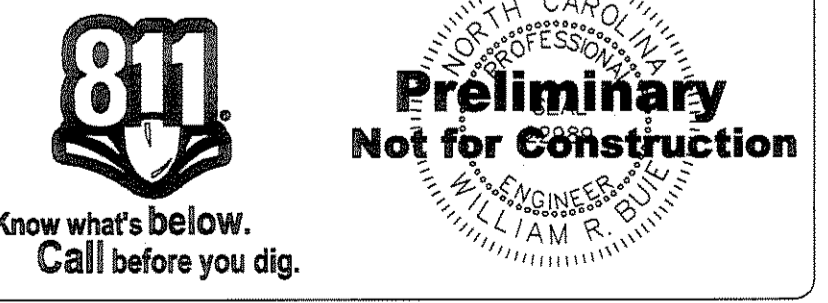
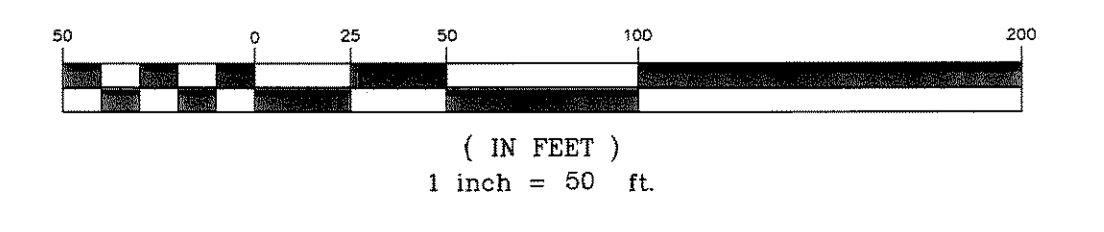
TOWNSHIP: AVERYS CREEK

PROPOSED ROAD: 989± LF
CORRIDOR 90' OR LESS: 0± LF (0%)
CORRIDOR 91' TO 135': 989± LF (100%)*
MAX. CORRIDOR HEIGHT: 4'±

* CORRIDOR SECTION GREATER THAN 90' IS DUE TO MASS GRADING & NOT ROADWAY CONSTRUCTION.



- NOTES:
- 1.) SEE PLAN & PROFILE SHEETS FOR HORIZONTAL & VERTICAL CURVE INFORMATION & ROAD GRADES.
 - 2.) SURVEY INFORMATION PROVIDED BY: MATTERN & CRAIG 12 BROAD STREET, ASHEVILLE, NC 28801.
 - 3.) NO WALLS ARE PROPOSED.
 - 4.) PROPOSED ROADS ARE TO BE PRIVATE & TURNED OVER TO THE HOMEOWNERS ASSOC.
 - 5.) THE SITE IS ENTIRELY A MEADOW EXCEPT TREES & IMPROVEMENTS AS SHOWN.
 - 6.) ELECTRICAL, TELEPHONE AND NATURAL GAS WILL BE UNDERGROUND AS DESIGNED BY UTILITY COMPANY.
 - 7.) PROPOSED SANITARY SEWER SHALL BE TURNED OVER TO MSD.
 - 8.) PROPOSED WATER SYSTEM SHALL BE TURNED OVER TO CITY OF ASHEVILLE.
 - 9.) NO KNOWN CEMETERIES ARE LOCATED ON THE PROPERTY.
 - 10.) PAVEMENT DESIGN WAS DESIGNATED WITH ASSUMING POOR TO FAIR SUBGRADE (GROUP II, PAGE 23 NCDOT SUBDIVISION ROADS MINIMUM CONSTRUCTED STANDARDS) WITH 8" OF ABC & 3" OF S9.5B.
 - 11.) NO BASE COURSE SHALL BE PLACED ON MUCK, PIPE CLAY, ORGANIC MATTER OR OTHER UNSUITABLE MATTER, AND A MINIMUM COMPACTION RATE OF SUBGRADE PRIOR TO PAVING SHALL BE LESS THAN 95 PERCENT BY STANDARD PROCTOR METHOD AND CERTIFIED BY A LICENSED ENGINEER.
 - 12.) 2' CONTOURS & SURVEY INFORMATION PROVIDED BY: MATTERN & CRAIG 12 BROAD STREET, ASHEVILLE, NC 28801.
 - 13.) THIS SUBDIVISION IS NOT A DRASTIC VARIATION HILLSIDE DEVELOPMENT.
 - 14.) NONE OF THE SLOPES OF THE LOTS PERPENDICULAR TO THE ROAD EXCEED 18%.
 - 15.) THE ROAD CORRIDOR DOES NOT EXCEED 50 FEET IN HEIGHT.
 - 16.) NO ROAD CONSTRUCTION WILL OCCUR IN AREAS THAT EXCEED 30% NATURAL SLOPE AND IN NO AREAS THAT ARE HIGH HAZARD OR MODERATE HAZARD ON THE BUNCOMBE COUNTY SLOPE STABILITY INDEX MAP.
 - 17.) NATURAL AVERAGE SLOPE OF THE PROJECT AREA IS 13%.
 - 18.) THIS PROPERTY IS NOT LOCATED WITHIN A 100-YR FLOOD PLAIN (PER NC FLOOD PLAN MAPPING)
 - 19.) PROJECT IS TO BE COMPLETED IN ONE PHASE.



Preliminary
Not for Construction

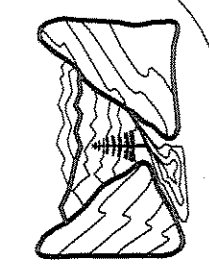
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Revisions	Date	By

date: 2/12/15
job: 14176
drawn: KHC

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Consulting Engineers & Land Planners
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214 N. King Street
Hendersonville, North Carolina 28792
(828) 687-7177
wglac.com

F:\UBERS\W\lpl\pca\windsor\ughly - Glenn Bridge Road\pca\windsor\ughly - Glenn Bridge Road.dwg, 3/30/2015 11:48:17 AM, 150.0008

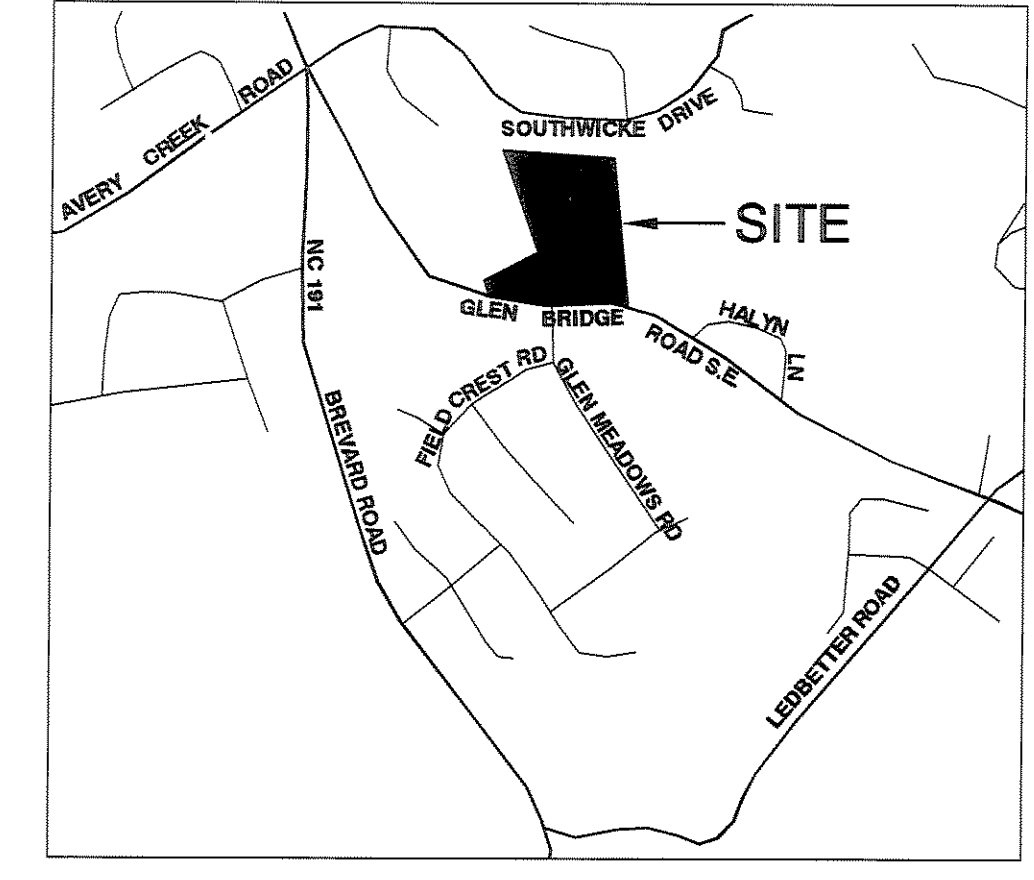


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GLEN BRIDGE ROAD SUBDIVISION
 BUNCOMBE COUNTY,
 NORTH CAROLINA

GRADING AND EROSION CONTROL PLAN

sheet
 C-200



LOCATION MAP
 NOT TO SCALE

- LEGEND**
- 2240 --- EXISTING 2' CONTOUR
 - 2240 --- PROPOSED 2' CONTOUR
 - - - - - PROPOSED LIMIT OF DISTURBED AREA
 - [Hatched Box] PROPOSED GRAVEL CONSTRUCTION ENTRANCE
 - - - - - PROPOSED SILT FENCE
 - [RSO Symbol] PROPOSED REINFORCED STABILIZED OUTLET
 - [Gravel Box] PROPOSED GRAVEL INLET PROTECTION
 - [Triangle Symbol] PROPOSED OUTLET PROTECTION
 - [Arrow Symbol] PROPOSED SWALE
 - [WB Symbol] PROPOSED WATER BAR
 - [Dam Symbol] PROPOSED CHECK DAM
 - [Silt Basin Symbol] PROPOSED NCDOT SILT BASIN
 - [Matting Symbol] PROPOSED SLOPE MATTING
 - [Dashed Line] EXISTING STORM DRAINAGE
 - [Dashed Line] PROPOSED STORM DRAINAGE
 - [Solid Line] EXISTING WATER MAIN
 - [Dashed Line] PROPOSED WATER MAIN
 - [Dotted Line] EXISTING SANITARY SEWER
 - [Dotted Line] PROPOSED SANITARY SEWER

DEVELOPMENT BLOCK:

PROJECT NAME:	GLEN BRIDGE ROAD SUBDIVISION
DEVELOPER:	WINDSOR BUILT HOMES, INC. P.O. BOX 16449 GREENVILLE, SC 29606 (864) 271-9855
OWNER:	RT CAROLINA PROPERTIES, LLC. 1800 NW 15TH CT BOCA RATON, FL 33432
CONTACT PERSON:	DREW NORWOOD PO BOX 16449 GREENVILLE, SC 29606 (828) 271-9855
ENGINEER:	WILLIAM R. BUIE, P.E. WGLA ENGINEERING, PLLC 214 N. KING STREET HENDERSONVILLE, NC 28792 (828) 687-7177
DEED REF:	D.B. 4288 PG. 0118
PIN #:	9634-63-4032
SIZE:	8.25± AC.
TOTAL # OF PROPOSED LOTS:	24 LOTS
TOWNSHIP:	AVERYS CREEK

TOTAL DISTURBED AREA
 ± ACRES



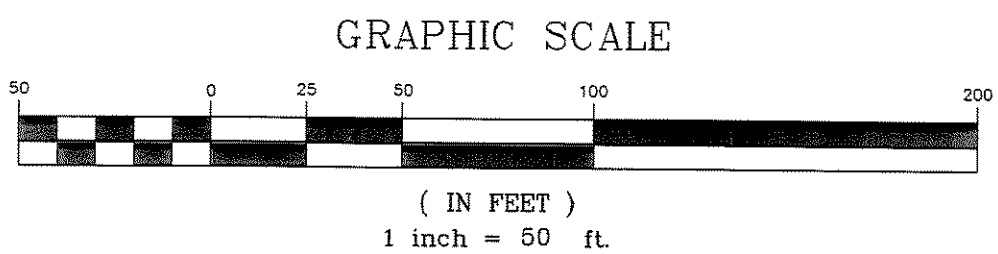
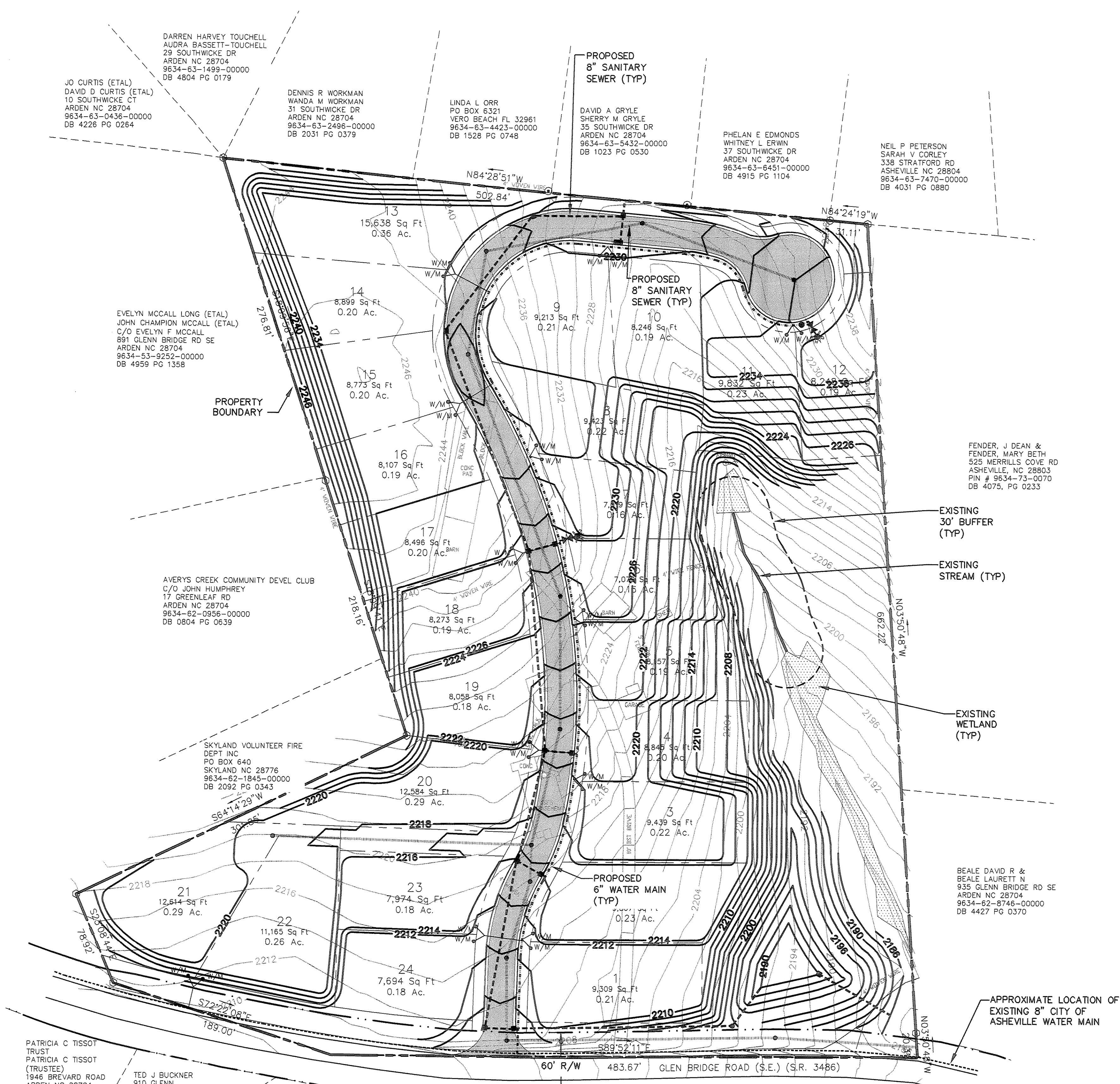
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Revisions

date: 2/15
 job: 14176
 drawn: KHC

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 Hendersonville, North Carolina 28792
 (828) 687-7177
 wglac.com



- NOTES:**
- MEASURES BEYOND THOSE SHOWN ON THE PLANS SHOULD BE APPROVED BY THE OWNER.
 - ALL STORM DRAINAGE INLETS (INCLUDING ALL EXISTING INLETS) SHALL HAVE GRAVEL INLET PROTECTION AS SHOWN ON THE DETAIL SHEET.
 - CONTRACTOR SHALL OBTAIN A COPY OF THE APPROVED SEDIMENTATION AND EROSION CONTROL PERMIT AND FOLLOW ALL DIRECTIVES. CONTRACTOR SHALL READ AND UNDERSTAND THE NPDES REQUIREMENTS OF THE PERMIT INCLUDING BUT NOT LIMITED TO:
 -PLACEMENT OF RAIN GAUGE ON THE SITE
 -INSPECTION OF ALL EROSION CONTROL MEASURES FOLLOWING SPECIFIED RAINFALL EVENTS OR WEEKLY.
 -KEEP OF INSPECTION LOG FOR REVIEW UPON REQUEST BY NCDENR, CITY OF ASHEVILLE, OWNER OR ENGINEER.
 - ALL SLOPES OR GREATER 4:1 SHALL BE MATTED OR HYDRO-SEEDED AS SOON AS PRACTICALLY POSSIBLE. THE OWNER MAY REQUIRE THE CONTRACTOR TO CEASE NEW CONSTRUCTION UNTIL ALL SEEDING, MATTING AND EROSION CONTROL MAINTENANCE HAS BEEN COMPLETED.
 - IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE LIFE OF THE PROJECT.
 - THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD STAKING NECESSARY FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER WILL PROVIDE THE CONTRACTOR WITH AN ELECTRONIC COPY OF THE DESIGN FOR STAKING PURPOSES. HOWEVER ALL ELECTRONIC INFORMATION SHOULD BE COORDINATED WITH THE PLANS.
 - CONTRACTOR SHALL REMOVE ALL EROSION CONTROL MEASURES AT COMPLETION OF PROJECT. AFTER SITE HAS STABILIZED AND RESTORE TO FINAL GRADE.
 - CONTRACTOR MUST KEEP ALL EXISTING STREETS CLEAR OF SEDIMENT, BROOMING OR SWEEPING OF THE STREETS WILL BE THE CONTRACTORS RESPONSIBILITY.
 - ALL PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED GRADE.
 - THE SITE SHOULD BALANCE ON THE GRADING, HOWEVER IF THE CONTRACTOR HAS TO USE A BORROW OR WASTE SITE, THEN THE CONTRACTOR WILL BE REQUIRED TO PROVIDE PROOF OF ACTIVE GRADING PERMIT FOR THE BORROW OR WASTE SITE TO BE USED.
 - SEE SHEETS C-204 & C-205 FOR DETAILS.

DARREN HARVEY TOUCHELL
 AUDRA BASSETT-TOUCHELL
 29 SOUTHWICKE DR
 ARDEN NC 28704
 9634-63-1499-00000
 DB 4804 PG 0179

JO CURTIS (ETAL)
 DAVID D CURTIS (ETAL)
 10 SOUTHWICKE CT
 ARDEN NC 28704
 9634-63-0436-00000
 DB 4226 PG 0264

DENNIS R WORKMAN
 WANDA M WORKMAN
 31 SOUTHWICKE DR
 ARDEN NC 28704
 9634-63-2486-00000
 DB 2031 PG 0379

LINDA L ORR
 PO BOX 6321
 VERO BEACH FL 32961
 9634-63-4423-00000
 DB 1528 PG 0748

DAVID A GRYLE
 SHERRY M GRYLE
 35 SOUTHWICKE DR
 ARDEN NC 28704
 9634-63-5432-00000
 DB 1023 PG 0530

PHELAN E EDMONDS
 WHITNEY L ERWIN
 37 SOUTHWICKE DR
 ARDEN NC 28704
 9634-63-6451-00000
 DB 4915 PG 1104

NEIL P PETERSON
 SARAH V CORLEY
 339 STRATFORD RD
 ASHEVILLE NC 28804
 9634-63-7470-00000
 DB 4031 PG 0880

EVELYN MCCALL LONG (ETAL)
 JOHN CHAMPION MCCALL (ETAL)
 C/O EVELYN F MCCALL
 891 GLENN BRIDGE RD SE
 ARDEN NC 28704
 9634-53-9292-00000
 DB 4959 PG 1358

AVERY'S CREEK COMMUNITY DEVEL CLUB
 C/O JOHN HUMPHREY
 17 GREENLEAF RD
 ARDEN NC 28704
 9634-62-0956-00000
 DB 0804 PG 0639

SKYLAND VOLUNTEER FIRE
 DEPT INC
 PO BOX 640
 SKYLAND NC 28776
 9634-62-1845-00000
 DB 2092 PG 0343

PATRICIA C TISSOT
 TRUST
 PATRICIA C TISSOT
 (TRUSTEE)
 1946 BREVARD ROAD
 ARDEN NC 28704
 9634-52-7408-00000
 DB 5197 PG 1445

TED J BUCKNER
 910 GLENN
 BRIDGE RD SE
 ARDEN NC 28704
 9634-62-1529-00000
 DB 3740 PG
 0386

TED J BUCKNER
 910 GLENN BRIDGE
 RD SE
 ARDEN NC 28704
 9634-62-1573-00000
 DB 1204 PG 0229

JOYCE TRIPLETT MOORE
 125 BEN CLARK RD
 MARSHALL NC 28753
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JOEY A CAMBY
 YANE S CAMBY
 1 GLEN MEADOWS RD
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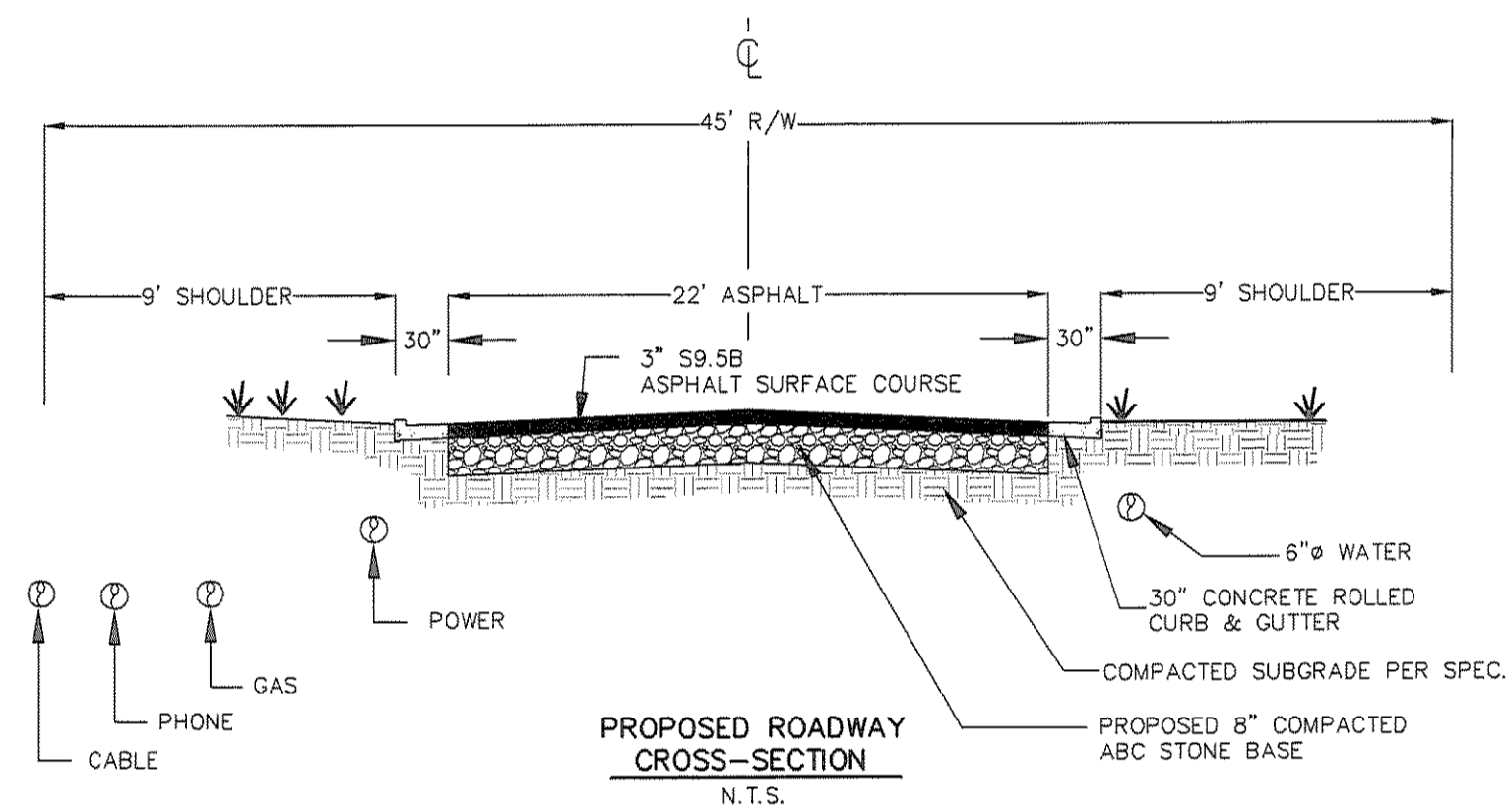
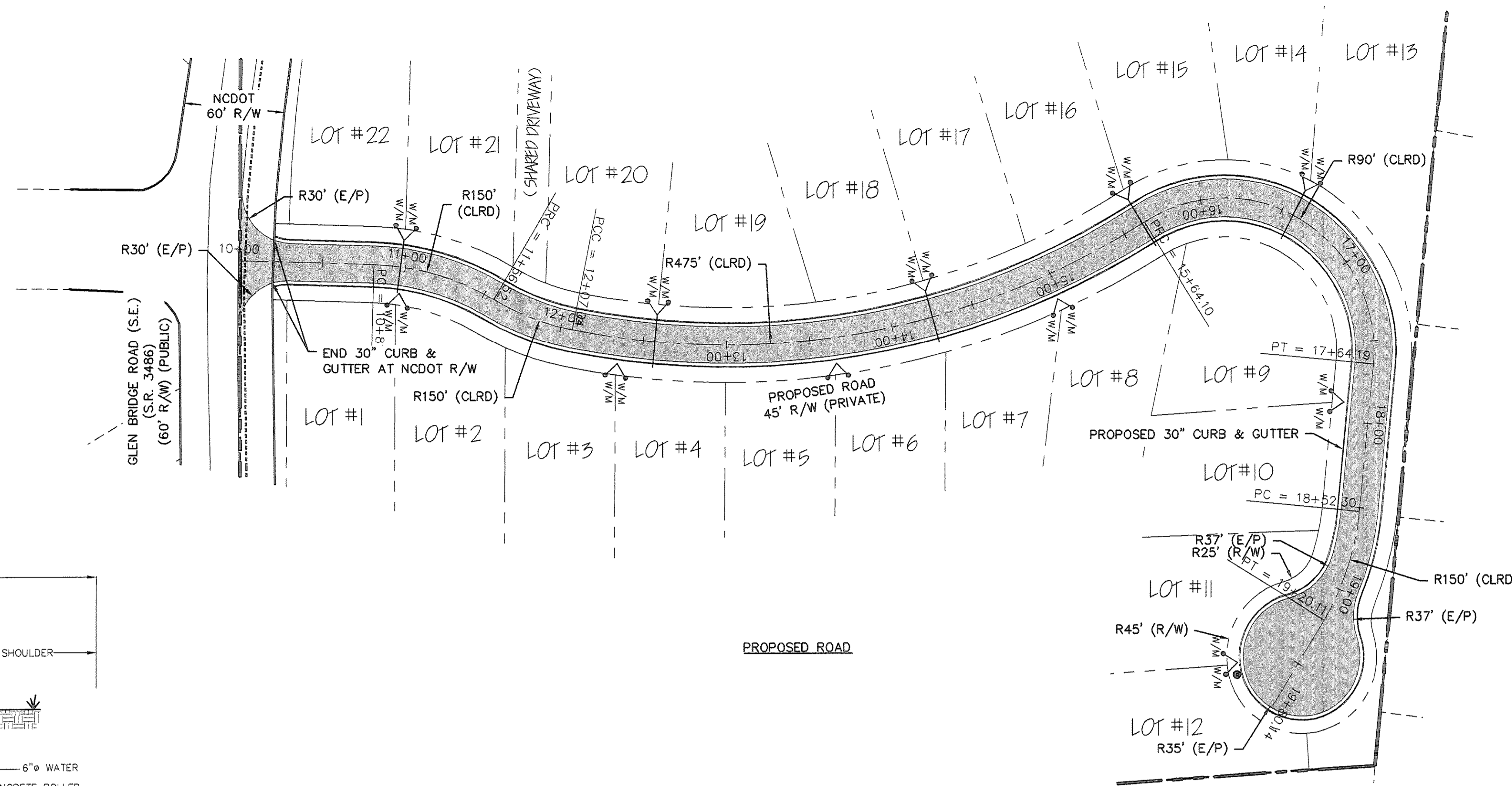
VANDOR R REID
 PO BOX 221
 ARDEN NC 28704
 9634-62-6526-00000
 DB 4500 PG 0147

KRISTINE SCHMITT
 MICHAEL SCHMITT
 930 GLENN BRIDGE RD SE
 ARDEN NC 28704

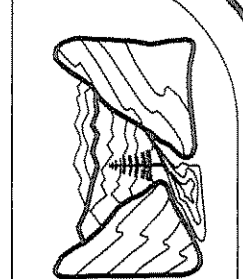
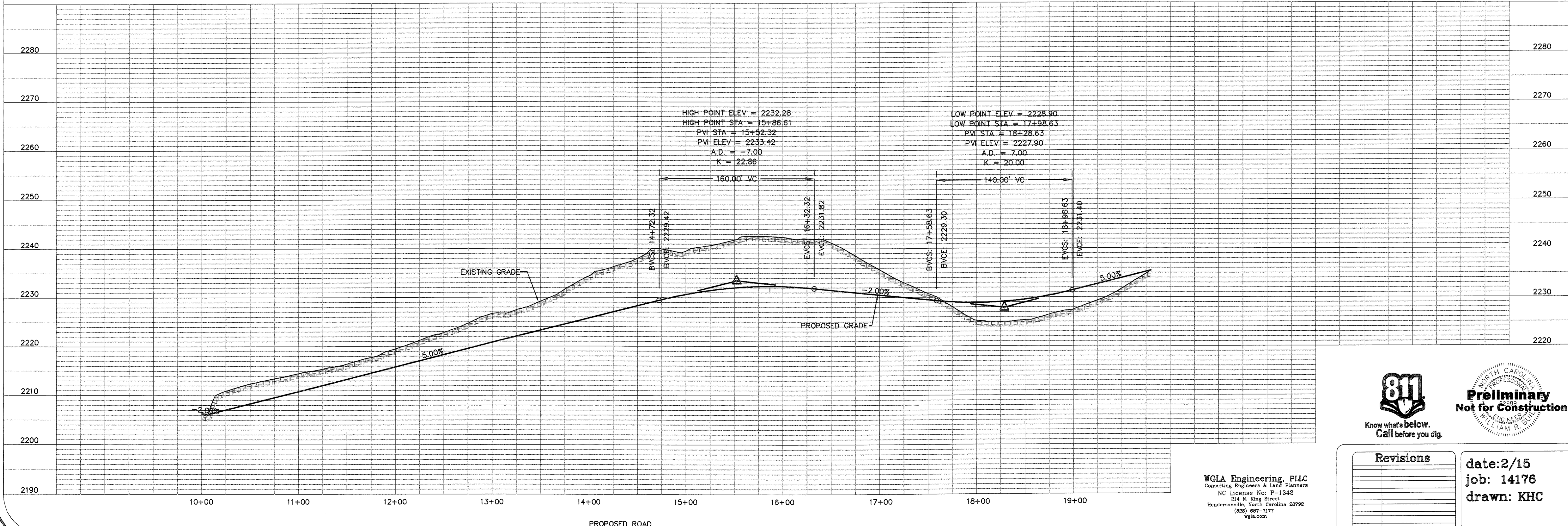
FENDER, J DEAN &
 FENDER, MARY BETH
 525 MERRILLS COVE RD
 ASHEVILLE, NC 28803
 PIN # 9634-73-0070
 DB 4075, PG 0233

SEALE DAVID R &
 SEALE LAURETT N
 935 GLENN BRIDGE RD SE
 ARDEN NC 28704
 9634-62-8748-00000
 DB 4427 PG 0370

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HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=10'



WGLA Engineering, PLLC
CONSULTING ENGINEERS & LAND PLANNERS
HENDERSONVILLE, NORTH CAROLINA

GLEN BRIDGE ROAD SUBDIVISION
BUNCOMBE COUNTY,
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PROPOSED ROADWAY
PLAN & PROFILE



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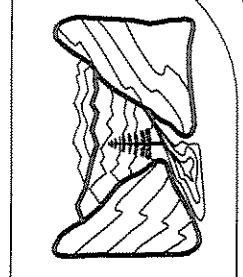
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sheet
C-201

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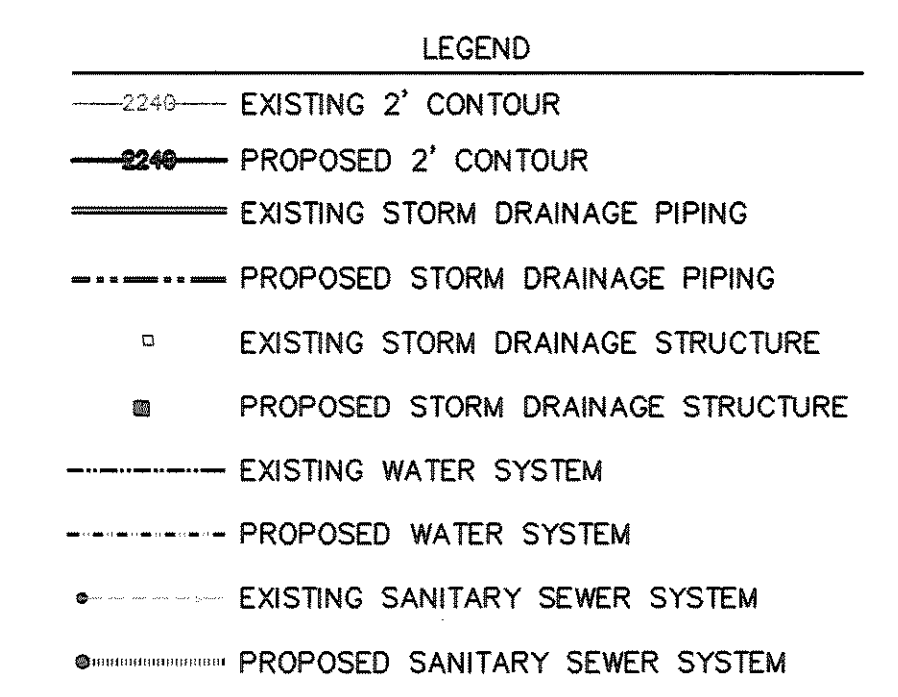
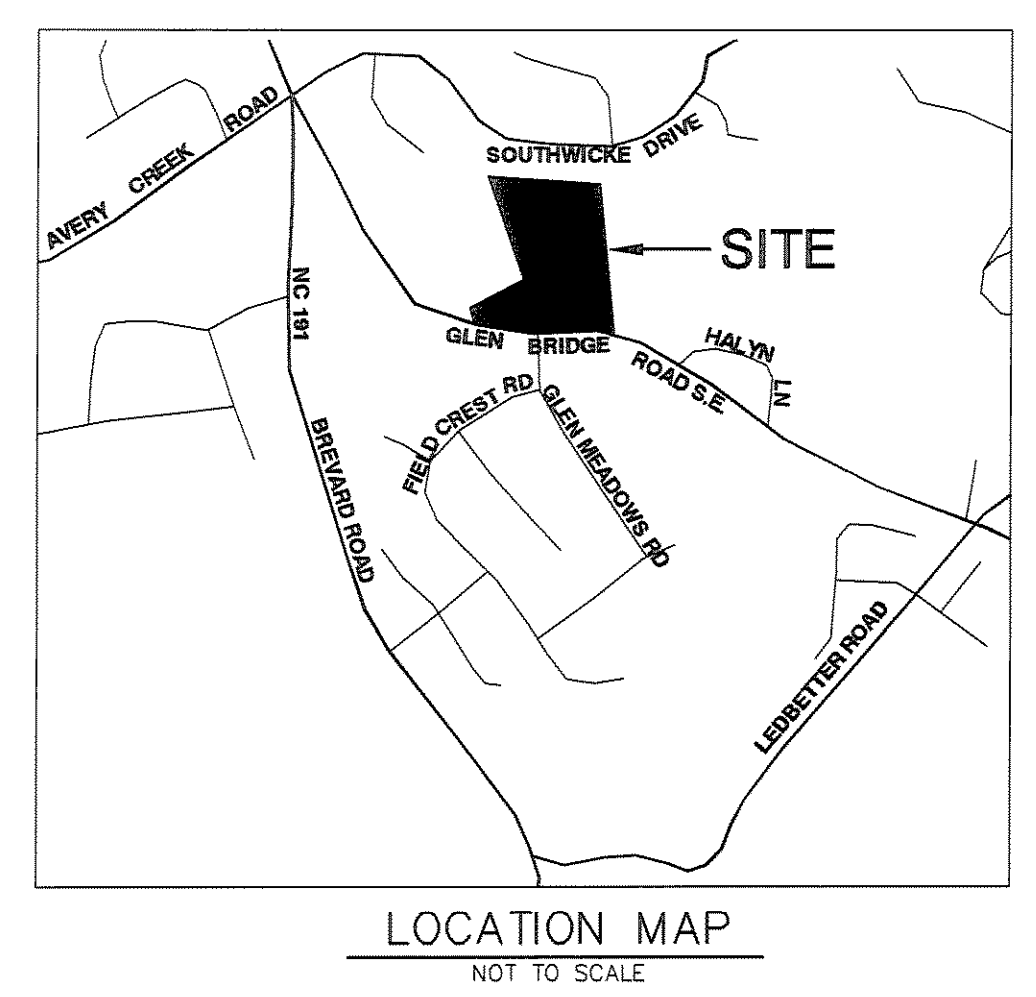


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HENDERSONVILLE, NORTH CAROLINA

GLEN BRIDGE ROAD SUBDIVISION
BUNCOMBE COUNTY,
NORTH CAROLINA

STORM DRAINAGE PLAN

sheet
C-300



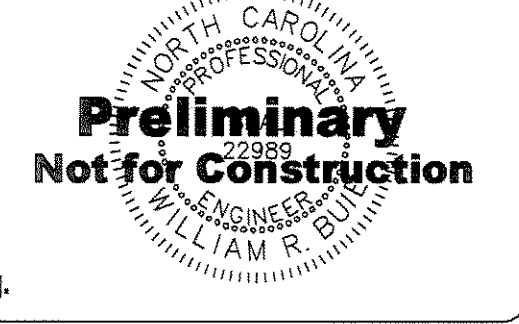
DEVELOPMENT BLOCK:

PROJECT NAME:	GLEN BRIDGE ROAD SUBDIVISION
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OWNER:	RT CAROLINA PROPERTIES, LLC. 1800 NW 1ST CT BOCA RATON, FL 33432
CONTACT PERSON:	DREW NORWOOD PO BOX 16449 GREENVILLE, SC 29606 (828) 271-9855
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TOTAL # OF PROPOSED LOTS:	24 LOTS
TOWNSHIP:	AVERYS CREEK
BUILDING SETBACKS:	REQUIRED FRONT - 10 FT SIDE - 7 FT BACK - 15 FT

* CORRIDOR SECTION GREATER THAN 90' IS DUE TO DIVIDED ROADWAY DESIGN AND & TO TOPOGRAPHY.



Know what's below.
 Call before you dig.

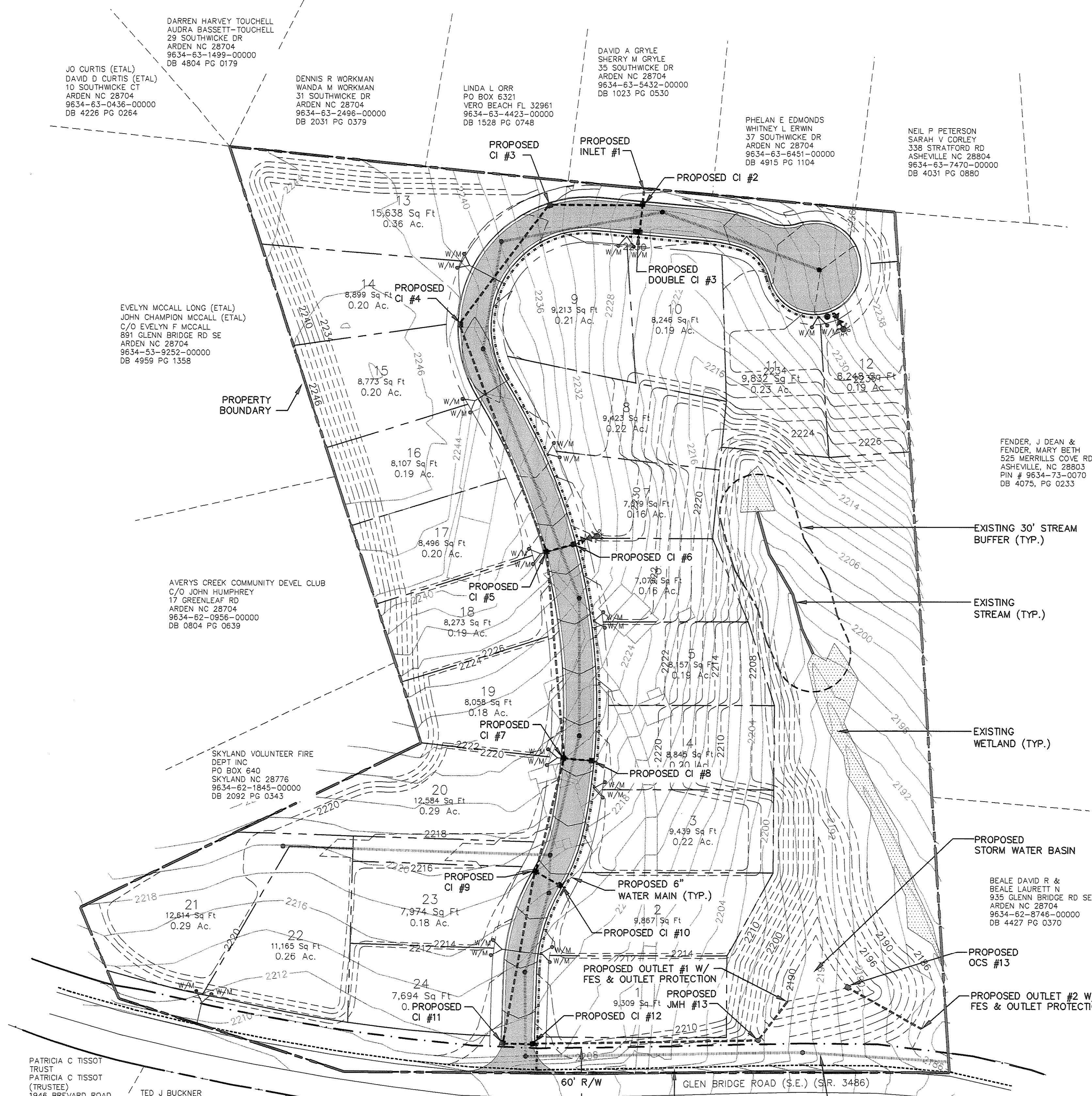


Preliminary
Not for Construction

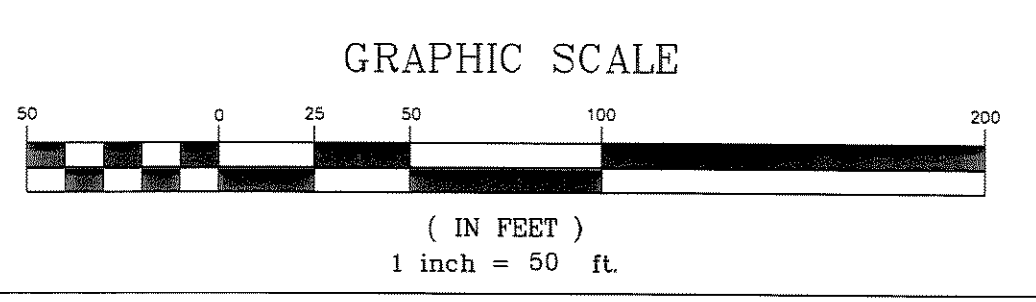
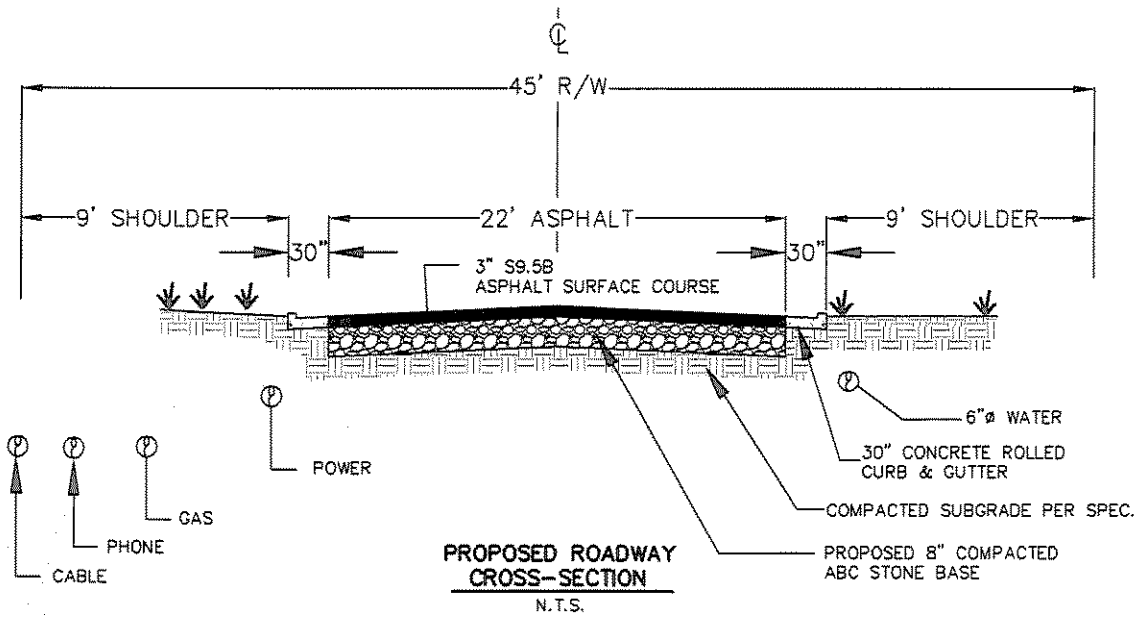
Revisions

date: 2/15
 job: 14176
 drawn: KHC

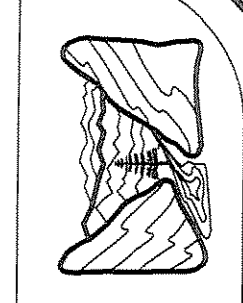
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 NC License No: P-1342
 214 N. King Street
 Hendersonville, North Carolina 28792
 (828) 687-7177
 wglaw.com



- NOTES:**
- 1.) 2' CONTOUR INTERVAL.
 - 2.) ALL STORM DRAINAGE INLETS SHALL BE PROVIDED WITH GRAVEL INLET PROTECTION AS DETAILED ON SHEET C-XXX.
 - 3.) ALL STORM DRAINAGE PIPE SHALL BE HDPE SMOOTH WALL INTERIOR, BELL AND SPIGOT, SOIL TIGHT JOINTS, UNLESS OTHERWISE SPECIFIED ON PLANS.
 - 4.) CONTRACTOR SHALL ENSURE ALL EXISTING AND PROPOSED STORM DRAINAGE STRUCTURES, PIPES AND GRADES WILL PROVIDE POSITIVE DRAINAGE TO STRUCTURES PRIOR TO INSTALLATION.
 - 5.) ALL PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED GRADE.
 - 6.) ALL DRAINAGE STRUCTURES THAT ARE GREATER THAN 4' IN DEPTH SHALL HAVE ACCESS STEPS INSTALLED 16" ON CENTER.
 - 7.) SEE SHEETS C-301 & C-302 FOR ADDITIONAL DETAILS ON OCS STRUCTURES.



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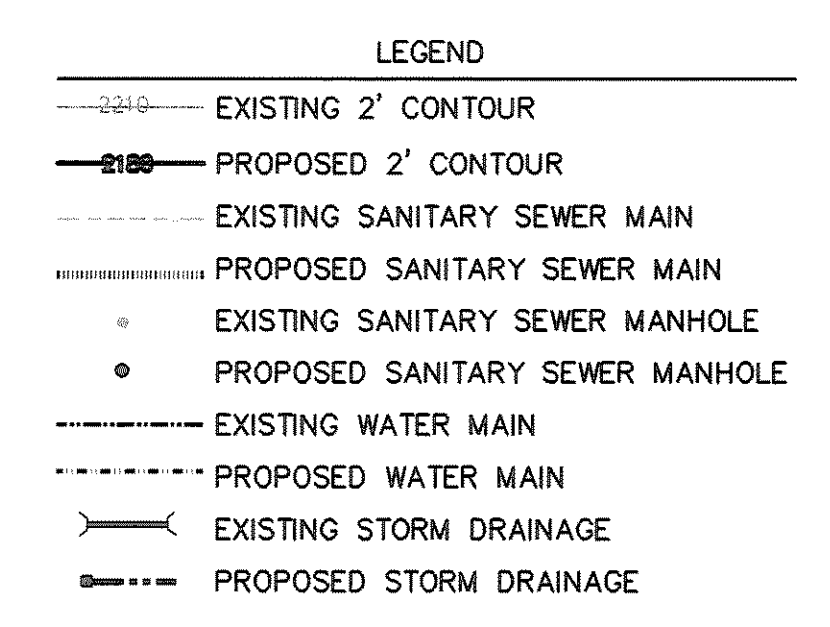
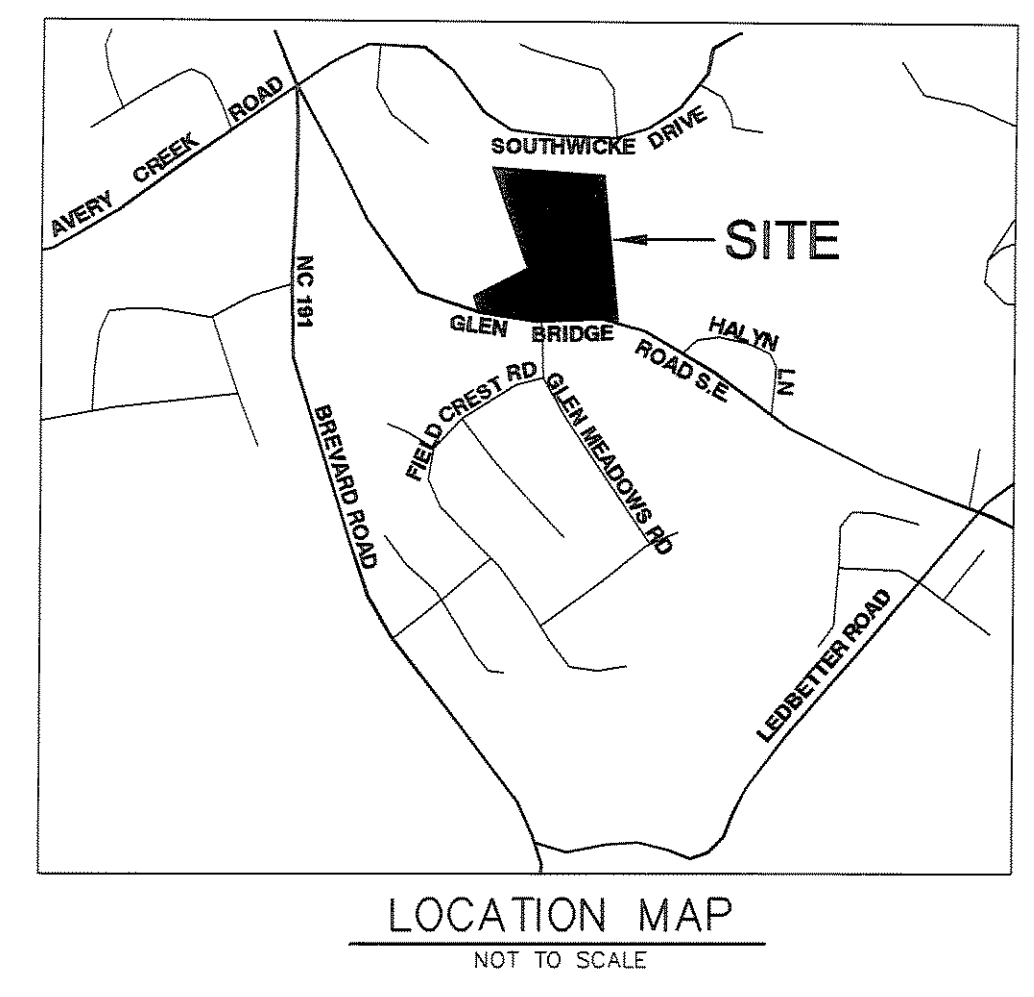


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HENDERSONVILLE, NORTH CAROLINA

GLEN BRIDGE ROAD SUBDIVISION
BUNCOMBE COUNTY,
NORTH CAROLINA

SANITARY SEWER SYSTEM LAYOUT

sheet
C-400



DEVELOPMENT BLOCK:

PROJECT NAME: GLEN BRIDGE ROAD SUBDIVISION
DEVELOPER: WINDSOR BUILT HOMES, INC.
 P.O. BOX 16449
 GREENVILLE, SC 29606
 (864) 271-9855

OWNER: RT CAROLINA PROPERTIES, LLC.
 1800 NW 1ST CT
 BOCA RATON, FL 33432

CONTACT PERSON: DREW NORWOOD
 PO BOX 16449
 GREENVILLE, SC 29606
 (828) 271-9855

ENGINEER: WILLIAM R. BUIE, P.E.
 WGLA ENGINEERING, PLLC
 214 N. KING STREET
 HENDERSONVILLE, NC 28792
 (828) 687-7177

DEED REF: D.B. 4288 PG. 0118
PIN #: 9634-63-4032
SIZE: 8.25± AC.
TOTAL # OF PROPOSED LOTS: 24 LOTS
TOWNSHIP: AVERYS CREEK

MSD PROJECT #
2014157

NOTE:
 * A MINIMUM OF 10 FT. HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN WATER AND SANITARY SEWER LINES MUST BE MAINTAINED.
 WHERE THE SEWER LINE INSTALLATION DOES NOT CONFORM TO THIS REQUIREMENT OR HAVE A MINIMUM COVER OF 36" FROM THE GROUND SURFACE OR 24" VERTICAL SEPARATION FROM STORM DRAINAGE LINES - SEWER PIPE MUST BE OF A FERROUS MATERIAL.



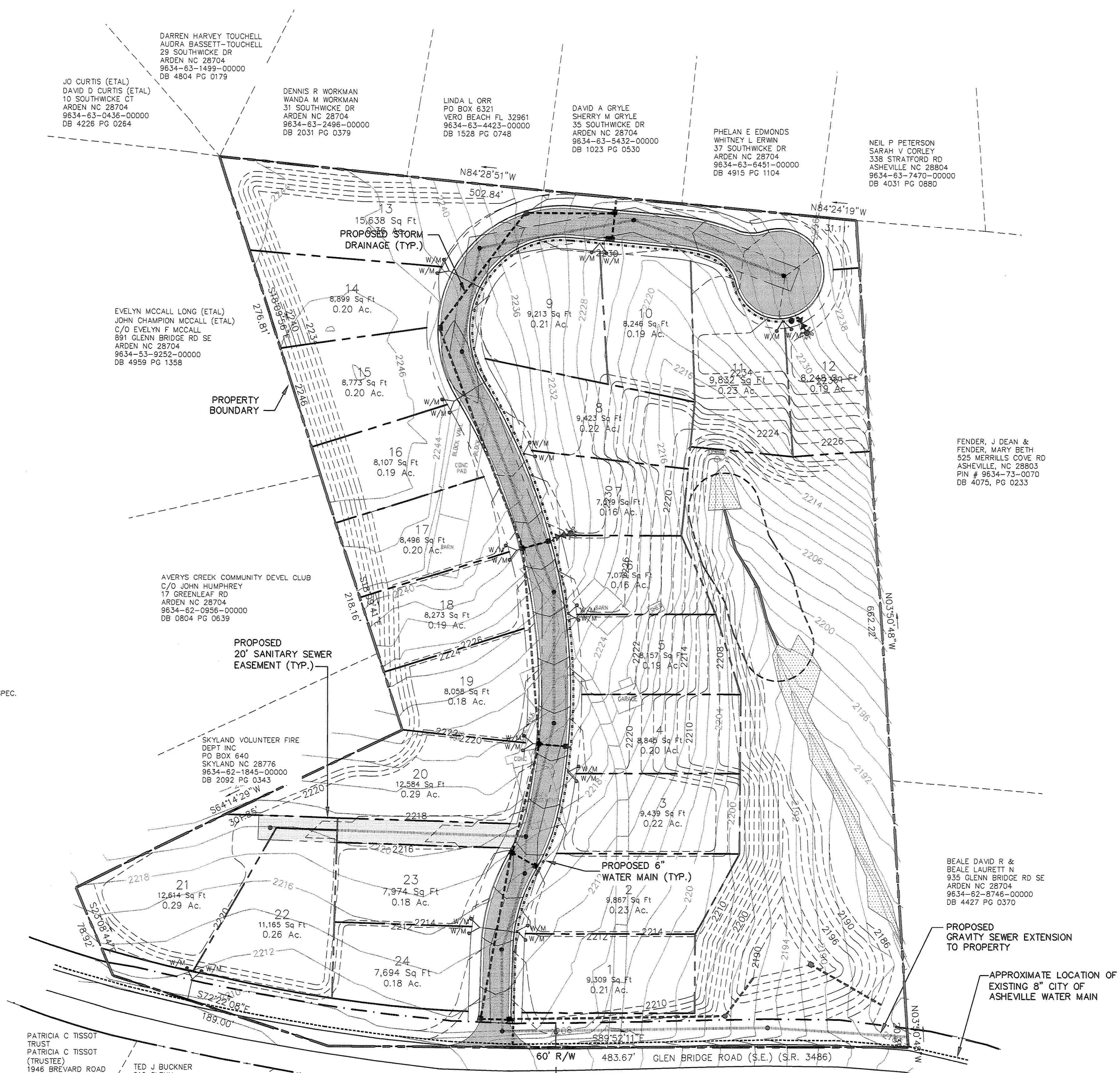
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date: 2/15
job: 14176
drawn: KHC

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Hendersonville, North Carolina 28792
(828) 687-7177
wglac.com



PATRICIA C TISSOT TRUST
PATRICIA C TISSOT (TRUSTEE)
1946 BREVARD ROAD
AR DEN NC 28704
9634-52-7408-00000
DB 5197 PG 1445

TED J BUCKNER
910 GLENN BRIDGE RD SE
AR DEN NC 28704
9634-62-1529-00000
DB 3740 PG 0386

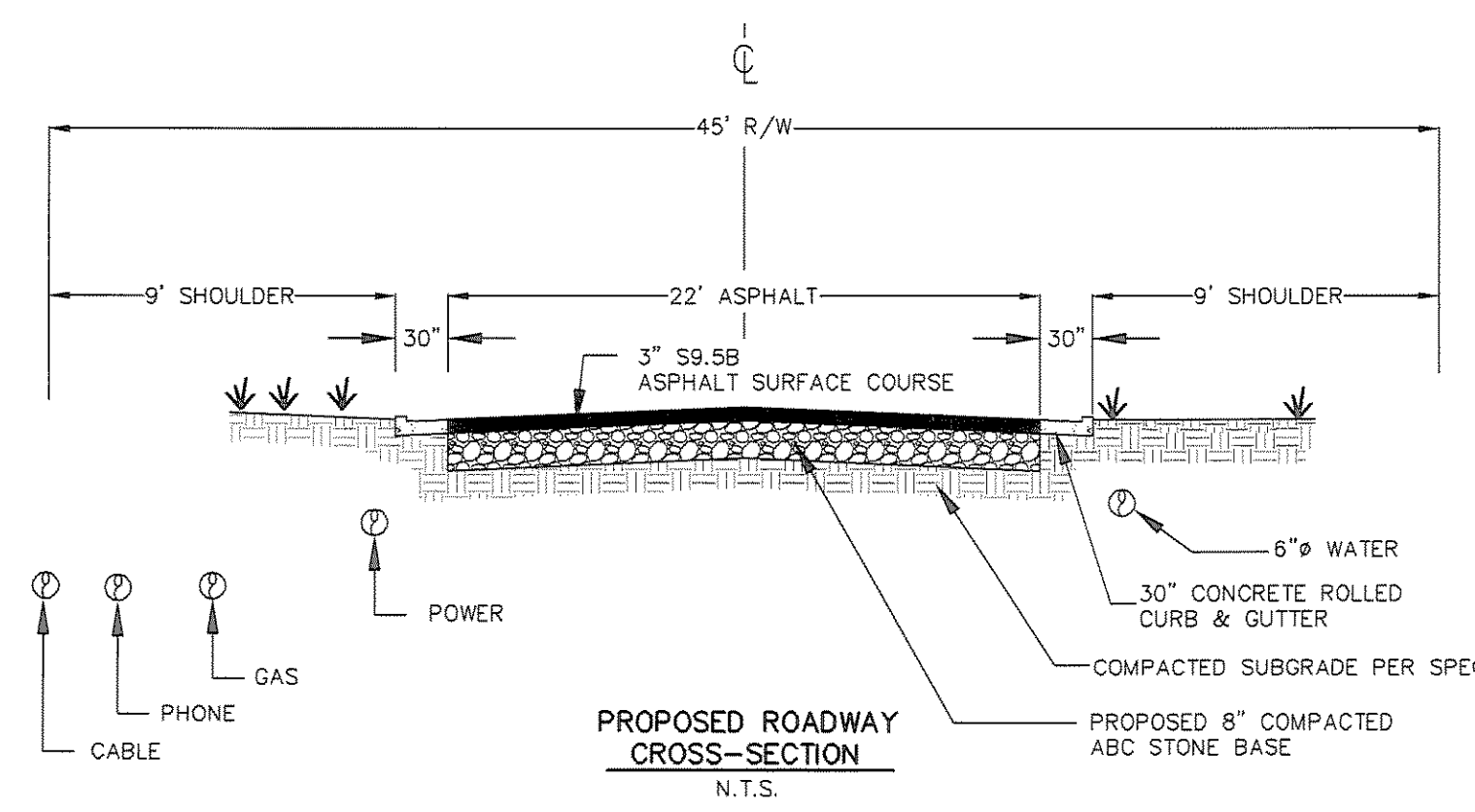
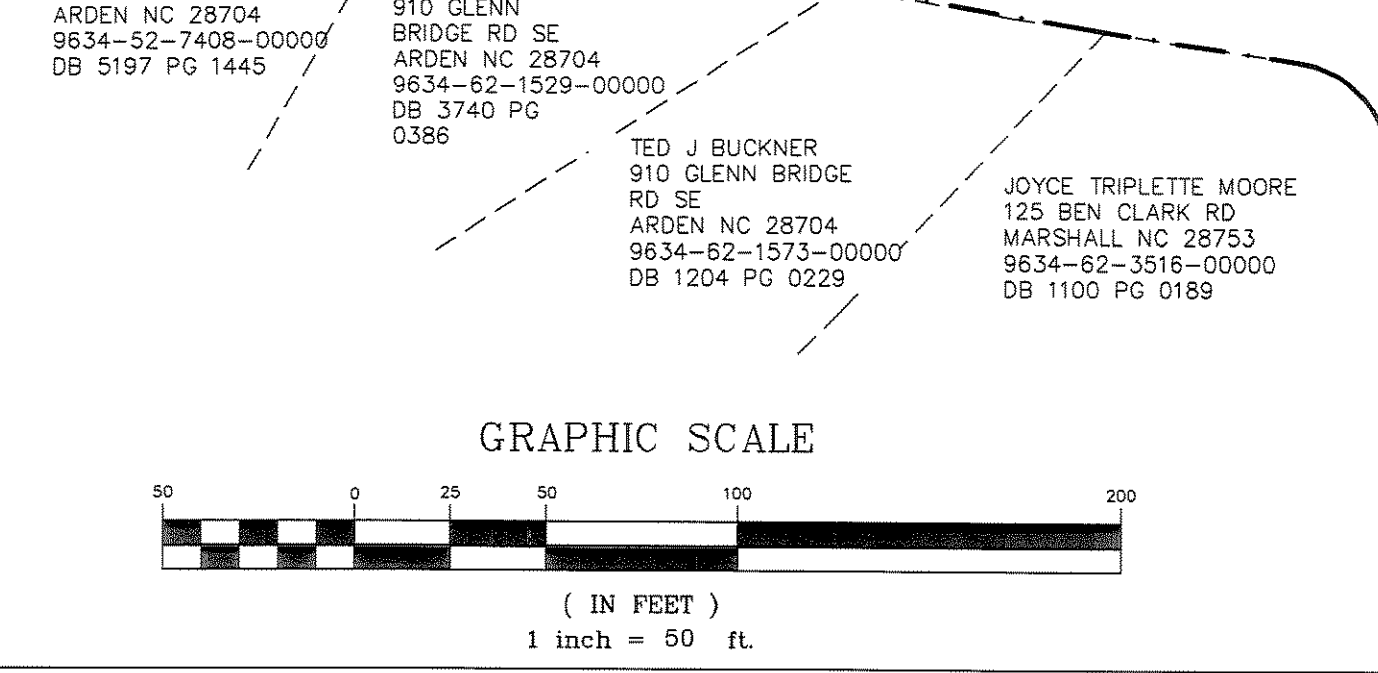
TED J BUCKNER
910 GLENN BRIDGE RD SE
AR DEN NC 28704
9634-62-1573-00000
DB 1204 PG 0229

JOYCE TRIPLETT MOORE
125 BEN CLARK RD
MARSHALL NC 28753
9634-62-3516-00000
DB 1100 PG 0189

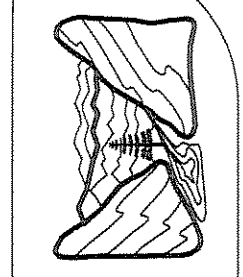
JOEY A CAMBY
YANE S CAMBY
1 GLEN MEADOWS RD
AR DEN NC 28704
9634-62-5815-00000
DB 4986 PG 0234

VANDOR R REID
PO BOX 221
AR DEN NC 28704
9634-62-6526-00000
DB 4500 PG 0147

KRISTINE SCHMITT
MICHAEL SCHMITT
930 GLENN BRIDGE RD SE
AR DEN NC 28704



- NOTES:**
- 1) THE SPECIFICATIONS AND REQUIREMENTS OF THE METROPOLITAN SEWER DISTRICT SUPERSEDE ALL OTHERS IN THE INSTALLATION OF THE PROPOSED EXTENSION(S).
 - 2) MSD MAINTENANCE OF SEWER SERVICES ENDS AT THE FIRST CLEANOUT MAINTENANCE OF SERVICES BEYOND THIS POINT IS PRIVATE
 - 3) INVERT OF EXISTING MANHOLE #20-84824 SHALL BE CORED AND BOOTED, IF NEEDED FOR NEW PIPE CONNECTIONS.
 - 4) ALL SEWER SERVICES SHALL BE 4" UNLESS OTHERWISE NOTED.
 - 5) CONTRACTOR SHALL USE DIP/CL-350 PIPING ON ALL SEWER LINES WHERE 3 FEET OF COVER IS NOT PROVIDED.
 - 6) PIN # 9634-63-4032 IS THE ONLY PROPERTY AFFECTED BY THE PROPOSED SEWER LINE CONSTRUCTION.
 - 7) ALL SANITARY SEWER WORK IS TO BE PERFORMED BY A LICENSED NORTH CAROLINA UTILITY CONTRACTOR
 - 8) BENCHMARK FOR THIS PROJECT SHALL BE EXISTING MSD MANHOLE #XXXX TOP WITH ELEV. XXXXXXX.
 - 9) ALL SEWER EASEMENTS SHALL BE 20' WIDE UNLESS NOTED ON PLAN OTHERWISE.
 - 10) ALL PROPOSED SANITARY SEWER LINES TO BE TURNED OVER TO MSD WILL BE GRAVITY LINES.
 - 11) IF CONTRACTOR TRANSITIONS FROM PVC TO DIP, THEN A SOLID SLEEVE COUPLING WILL BE USED. ONLY ONE TRANSITION WILL BE ALLOWED BETWEEN MANHOLES.
 - 13) SEE THE GRADING AND EROSION CONTROL PLANS FOR ALL EROSION MEASURES RELATED TO SEWER CONSTRUCTION
 - 14) HORIZONTAL CONTROL IS NAD 83, VERTICAL CONTROL IS NAVD 88.
 - 15) NO DOGHOUSE MANHOLES ALLOWED.
 - 16) THE ENTIRE MSD PERMANENT SEWER EASEMENT MUST BE CLEARED AND REMAIN CLEAR OF TREE PLANTINGS & PERMANENT TYPE STRUCTURES.

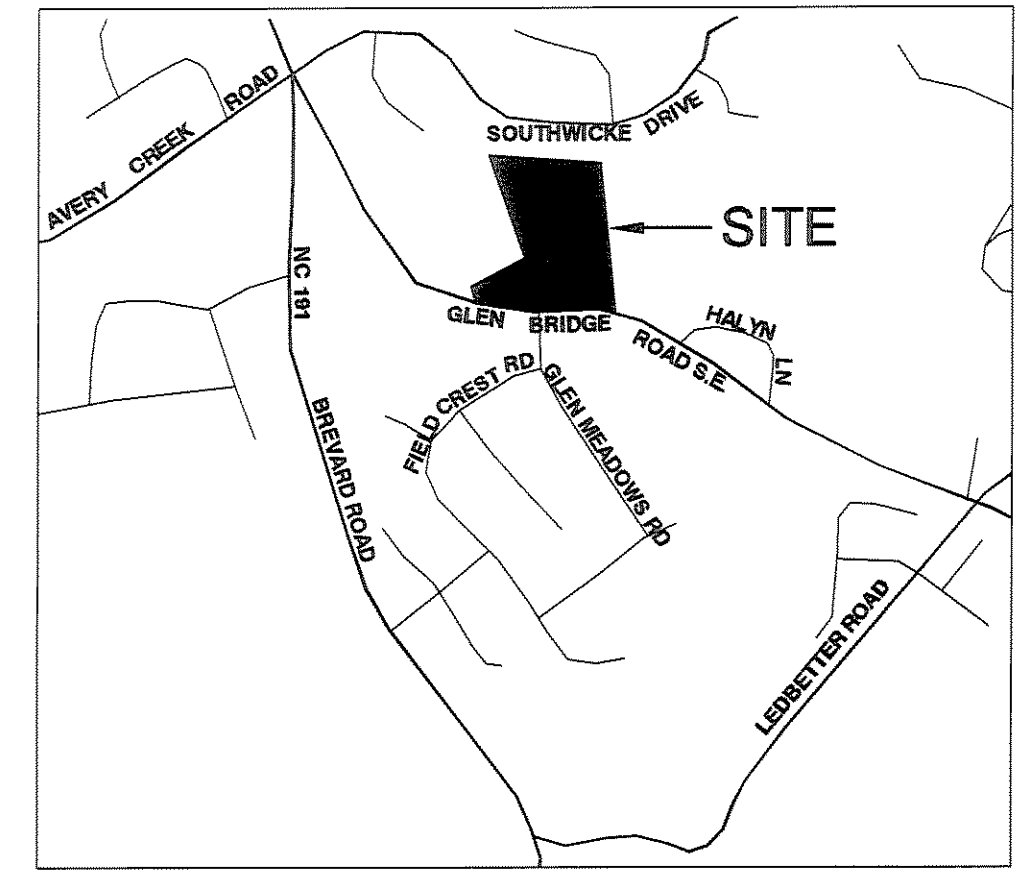


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 HENDERSONVILLE, NORTH CAROLINA

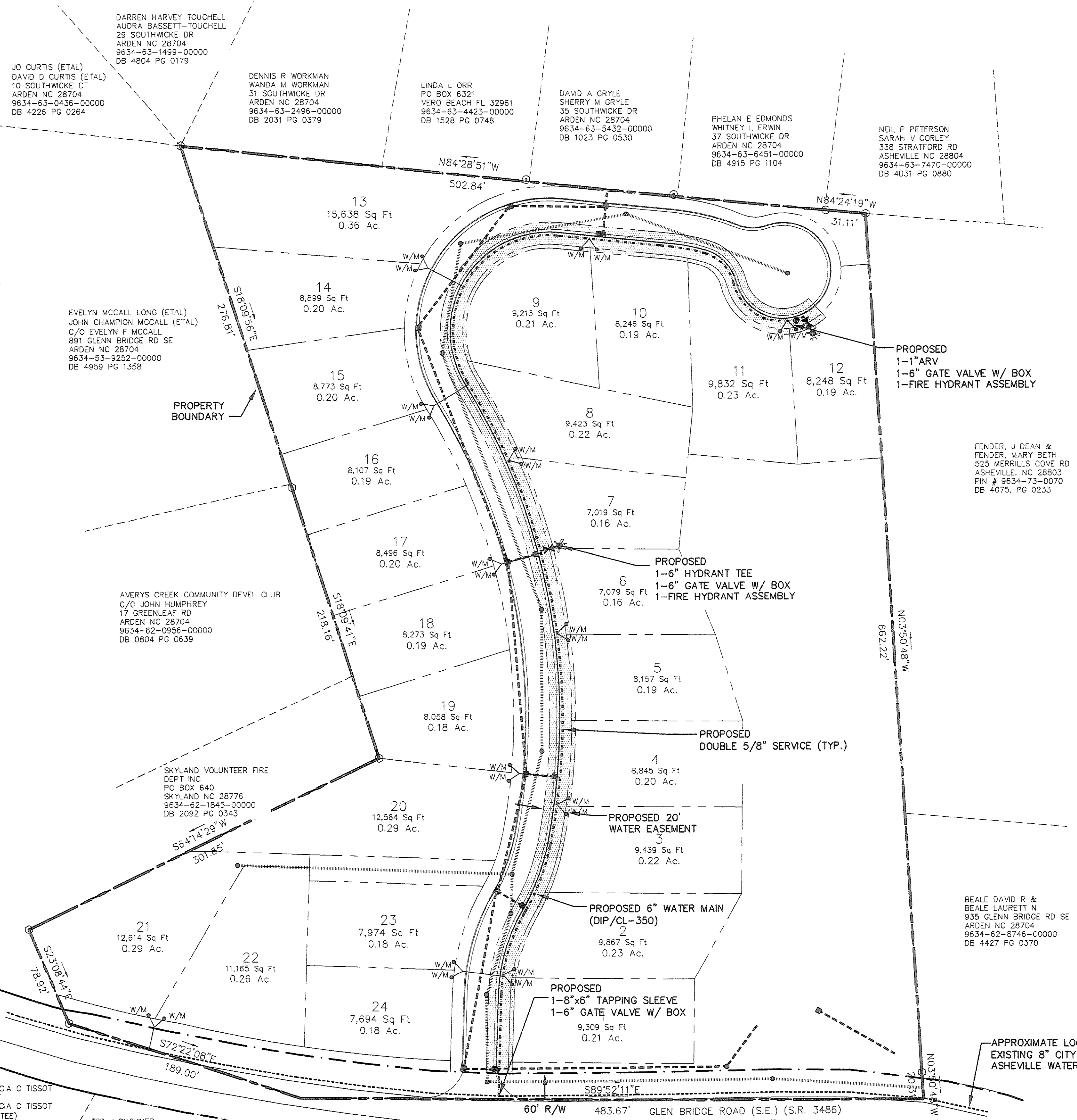
GLEN BRIDGE ROAD SUBDIVISION
 BUNCOMBE COUNTY,
 NORTH CAROLINA

WATER SYSTEM LAYOUT

sheet
 C-500



LOCATION MAP
 NOT TO SCALE



LEGEND

---2246---	EXISTING 2' CONTOUR
—2246—	PROPOSED 2' CONTOUR
—	EXISTING STORM DRAINAGE PIPING
- - - - -	PROPOSED STORM DRAINAGE PIPING
□	EXISTING STORM DRAINAGE STRUCTURE
■	PROPOSED STORM DRAINAGE STRUCTURE
—	EXISTING WATER SYSTEM
- - - - -	PROPOSED WATER SYSTEM
· - - - -	EXISTING SANITARY SEWER SYSTEM
· - - - -	PROPOSED SANITARY SEWER SYSTEM

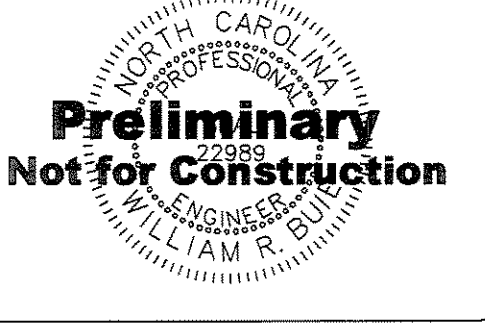
DEVELOPMENT BLOCK:

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DEVELOPER:	WINDSOR BUILT HOMES, INC. P.O. BOX 16449 GREENVILLE, SC 29606 (864) 271-9855
OWNER:	RT CAROLINA PROPERTIES, LLC. 1800 NW 1ST CT BOCA RATON, FL 33432
CONTACT PERSON:	DREW NORWOOD PO BOX 16449 GREENVILLE, SC 29606 (828) 271-9855
ENGINEER:	WILLIAM R. BUIE, P.E. WGLA ENGINEERING, PLLC 214 N. KING STREET HENDERSONVILLE, NC 28792 (828) 687-7177
DEED REF:	D.B. 4288 PG. 0118
PIN #:	9634-63-4032
SIZE:	8.25± AC.
TOTAL # OF PROPOSED LOTS:	24 LOTS
TOWNSHIP:	AVERYS CREEK

CITY OF ASHEVILLE PROJECT NO.	WPFY 14-15-024
WATER LINE EASEMENT PLAT	P.B. P.G.
ESTOPPEL CERTIFICATE REQUIRED	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>



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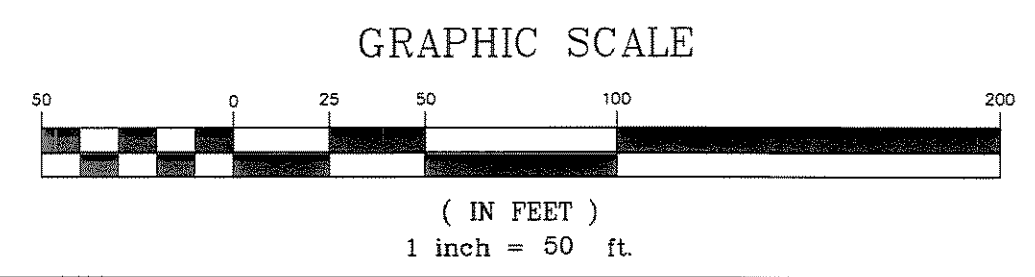


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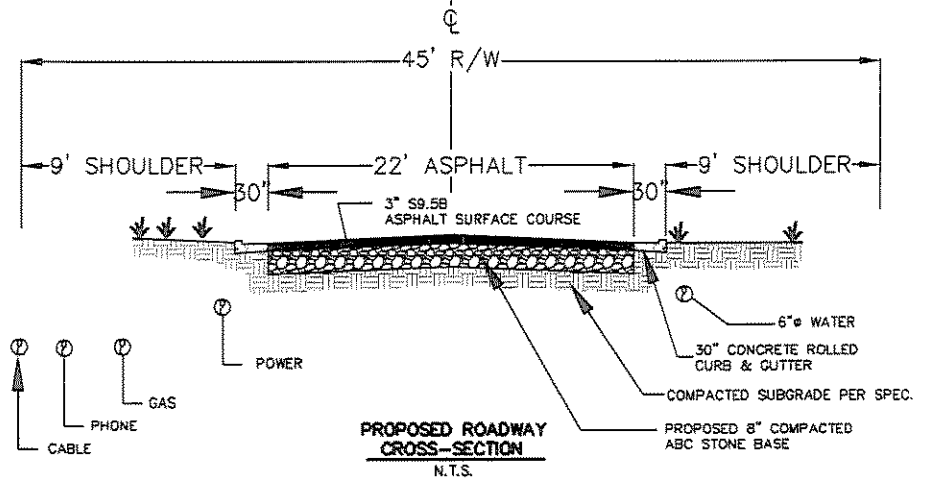
Revisions

date: 2/15
 job: 14176
 drawn: KHC

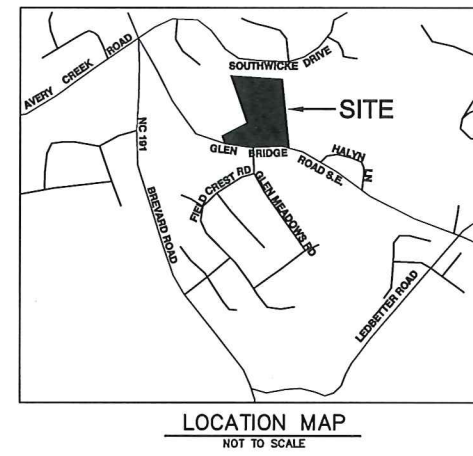
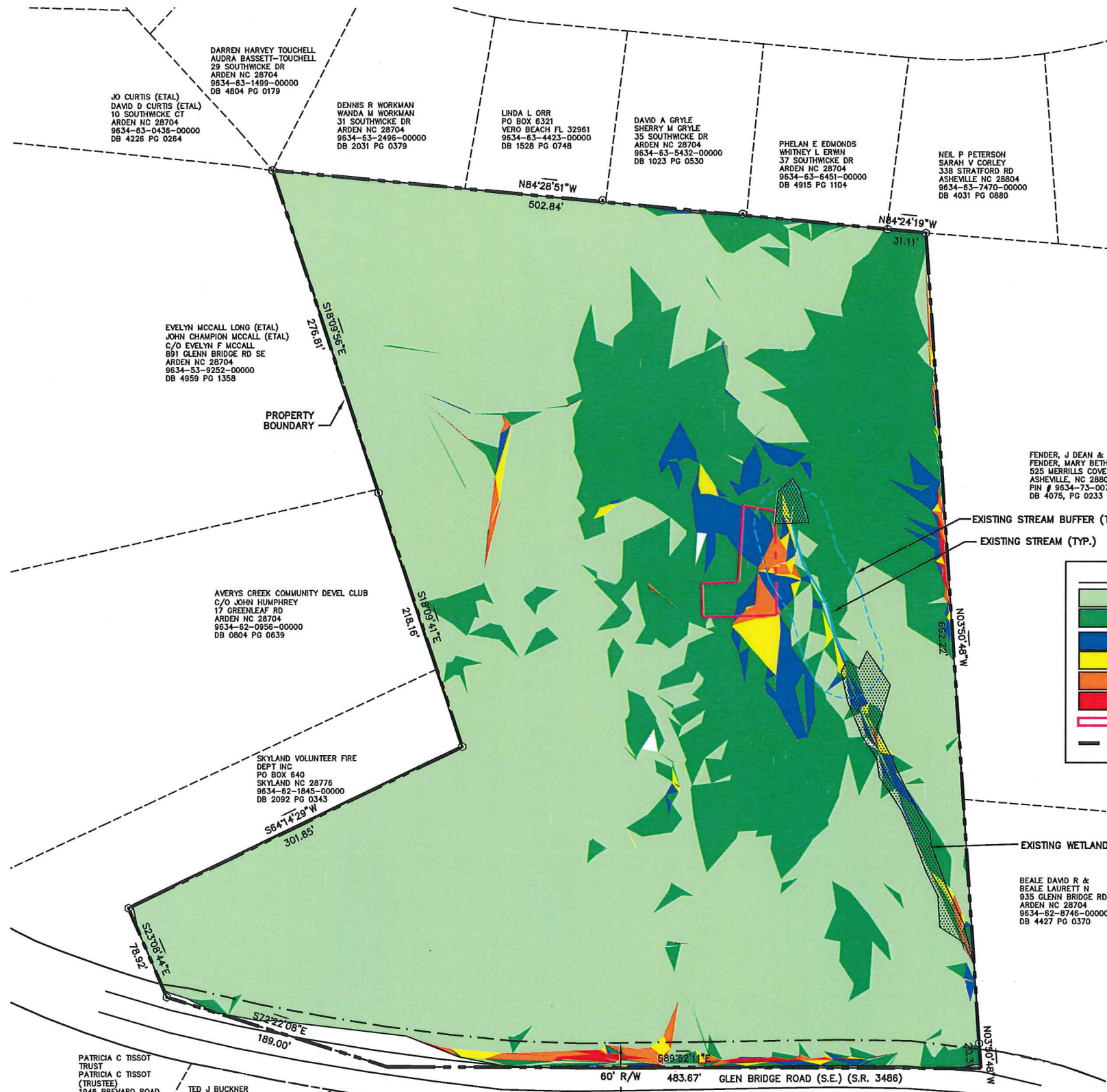
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 Hendersonville, North Carolina 28792
 (828) 687-7177
 wglac.com



- NOTES:
- CITY OF ASHEVILLE STANDARDS SUPERSEDE ALL OTHERS.
 - INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CITY OF ASHEVILLE'S CURRENT DESIGN GUIDELINES UNDER THE INSPECTION OF THE CITY OF ASHEVILLE AND BY A NORTH CAROLINA LICENSED UTILITY CONTRACTOR.
 - THE WATERLINE SHALL BE PLACED WITHIN THE BENCH WITH A MINIMUM 2' SEPARATION FROM THE EDGE OF PAVEMENT AND A MINIMUM OF 3' SEPARATION FROM THE EDGE OF SLOPES.
 - ALL WATER METERS SHALL BE PLACED IN FRONT OF THE PROPERTY WHICH THEY WILL SERVE AND THEY MUST BE INSTALLED IN RELATIVELY FLAT AREAS NOT IN STEEP BANKS OR SLOPES.
 - ALL FIRE HYDRANTS MUST BE PLACED IN RELATIVELY FLAT AREAS, NOT IN STEEP BANKS OR SLOPES, AND MUST HAVE 3' OF CLEAR SPACE AROUND THE HYDRANT.
 - ALL BRASS FITTINGS MUST BE CERTIFIED LEAD FREE.
 - ALL METERS SHALL BE PLACED PER CITY OF ASHEVILLE DETAIL AS SHOWN ON DETAIL SHEET.
 - ALL PROPOSED ROADS ARE TO BE PRIVATE.
 - A MINIMUM OF 3 FEET IS REQUIRED BETWEEN THE WATER LINES AND ANY OTHER UNDERGROUND UTILITY.
 - WATER MAIN SHALL BE INSTALLED WITH 3 FEET COVER OVER WATER MAIN. ALL FIRE HYDRANTS, WATER METERS AND AIR RELEASE VALVES SHALL BE LOCATED OUTSIDE DRIVEWAYS.
 - RESTRAINED JOINTS BY A CITY OF ASHEVILLE APPROVED PIPE MANUFACTURER ARE TO BE USED FOR ALL PUBLIC WATER LINES; THRUST BLOCKS ARE PERMITTED WHERE CONNECTIONS ARE MADE TO EXISTING WATER MAIN OR WHERE THE USE OF MECHANICAL RESTRAINT IS NOT FEASIBLE.
 - ALL WATER METERS ARE TO BE LOCATED WITHIN 5' OF THE BACK OF CURB OR IN ACCORDANCE WITH DETAIL W.06 FOR WATER MAINS NEXT TO SIDEWALKS.
 - 911 ADDRESSES ISSUED FROM BUNCOMBE COUNTY ARE REQUIRED BY BUNCOMBE COUNTY BEFORE WATER RELEASE.
 - MINIMUM CLEARANCE BETWEEN THE WATER MAIN AND DRAINAGE STRUCTURES IS 3 FEET. MINIMUM CLEARANCE BETWEEN THE WATER SERVICES AND DRAINAGE STRUCTURES IS 3 FEET.
 - WATER SERVICE FOR LOTS #21 & #22 SHALL BE INSTALLED BY CITY OF ASHEVILLE ON EXISTING 8" WATER MAIN ALONG GLEN BRIDGE ROAD.

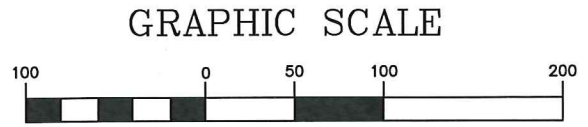


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- NOTE:**
- 1.) TOTAL SLOPE 35% AND GREATER 0.09± AC. (1.2%±)
 2. THIS PROPERTY IS NOT LOCATED WITHIN A 100YR FLOOD PLAIN.
 - 3.) TOTAL SITE NATURAL AVERAGE SLOPE IS 13%.

LEGEND			
	0% TO LESS THAN 15% SLOPE	5.69± AC.	69.5%±
	15% TO LESS THAN 25% SLOPE	2.09± AC.	25.5%±
	25% TO LESS THAN 30% SLOPE	0.24± AC.	2.9%±
	30% TO LESS THAN 50% SLOPE	0.08± AC.	0.9%±
	35% TO LESS THAN 50% SLOPE	0.07± AC.	0.9%±
	50% AND GREATER SLOPE	0.02± AC.	0.3%±
	APPROX. BOUNDARY OF THE MODERATE HAZARD AREA		
	PROPERTY LINE		



(IN FEET)
1 inch = 100 ft.

PATRICIA C TISSOT TRUST PATRICIA C TISSOT (TRUSTEE) 1948 BREVARD ROAD ARDEN NC 28704 9834-52-7408-00000 DB 5197 PG 1445

TED J BUCKNER 910 GLENN BRIDGE RD SE ARDEN NC 28704 9834-62-1573-00000 DB 1204 PG 0229

TED J BUCKNER 910 GLENN BRIDGE RD SE ARDEN NC 28704 9834-62-1529-00000 DB 3740 PG 0386

JOYCE TRIPLETT MOORE 125 BEN CLARK RD MARSHALL NC 28753 9834-62-3516-00000 DB 1100 PG 0189

JOEY A CAMBY YANE S CAMBY 1 GLEN MEADOWS RD ARDEN NC 28704 9834-62-5515-00000 DB 4986 PG 0234

VANDOR R REID PO BOX 221 ARDEN NC 28704 9834-62-6526-00000 DB 4500 PG 0147

KRISTINE SCHMITT MICHAEL SCHMITT 930 GLENN BRIDGE RD SE ARDEN NC 28704

JOHN F CREAMAN NANCY H CREAMAN 934 GLENN BRIDGE RD SE ARDEN NC 28704 9834-62-6522-00000 DB 1342 PG 0453

BEALE DAVID R & BEALE LAURETT N 935 GLENN BRIDGE RD SE ARDEN NC 28704 9834-62-8746-00000 DB 4427 PG 0370

60' R/W 483.67' GLEN BRIDGE ROAD (S.E.) (S.R. 3486)



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Revisions

date:1/15
job: 14176
drawn: KHC

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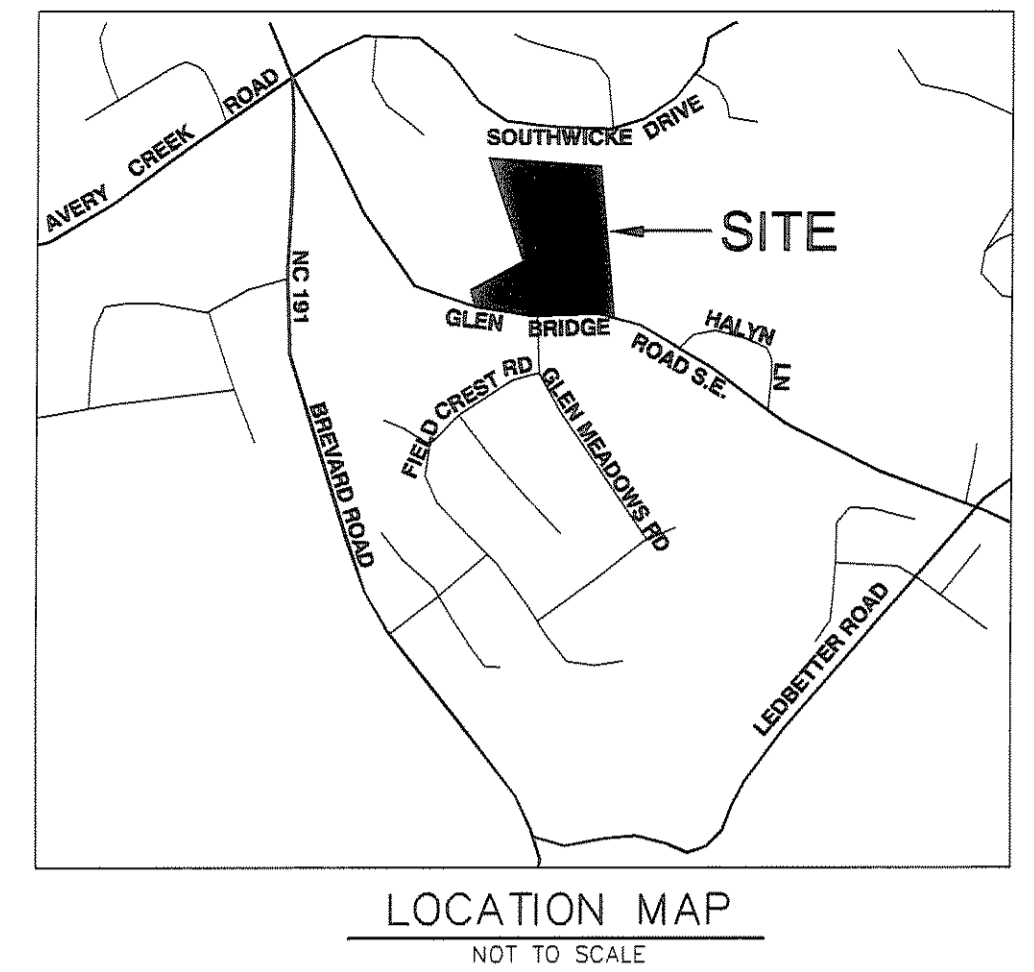
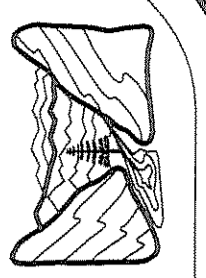
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GLEN BRIDGE ROAD SUBDIVISION
BUNCOMBE COUNTY,
NORTH CAROLINA

SLOPE ANALYSIS MAP

sheet
C-1.0

additional infoarmtion
submitted 3-27-2015
SUB2015-00078

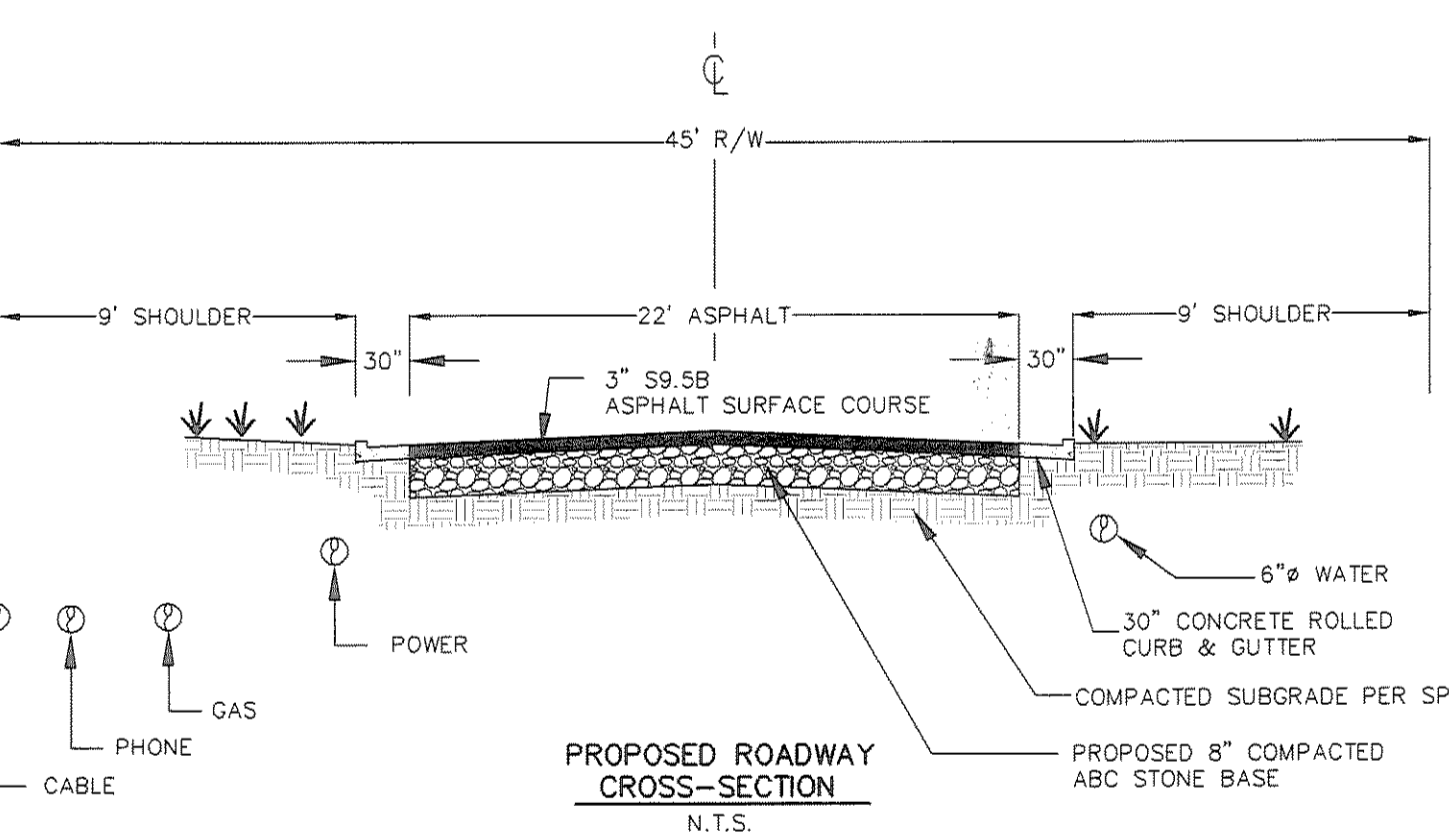
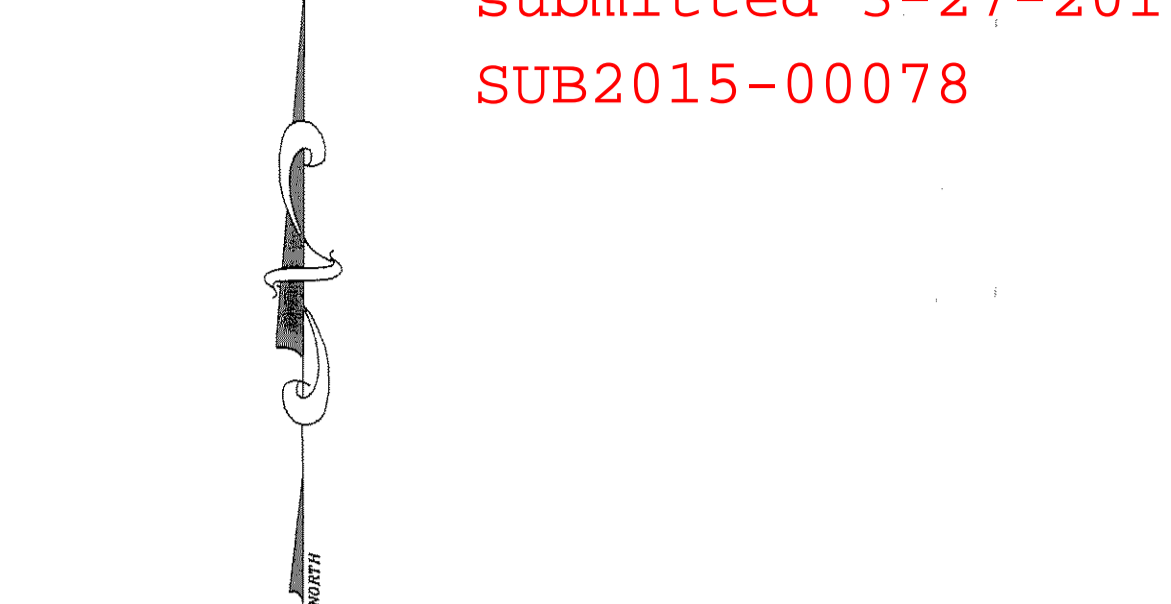


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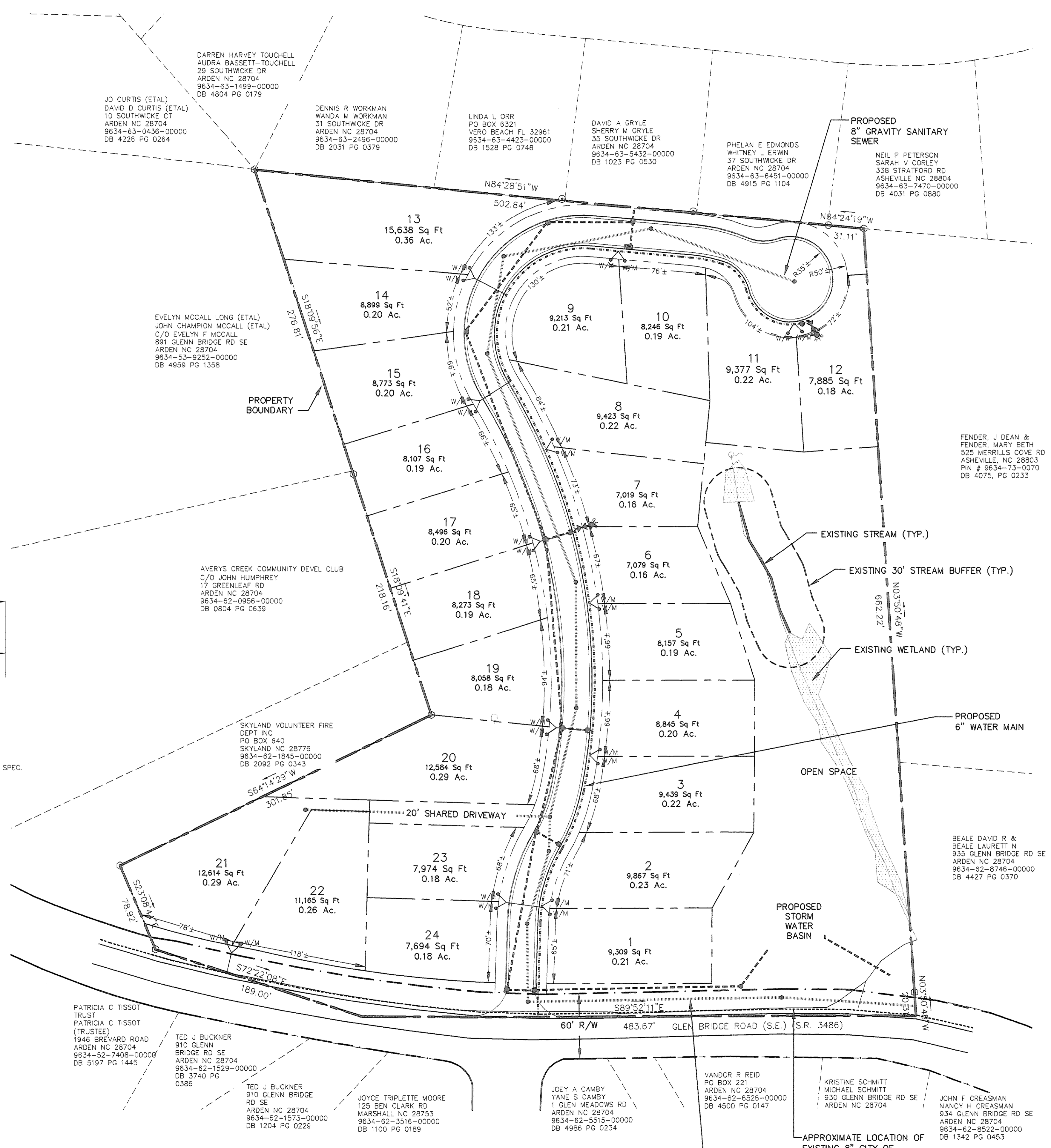
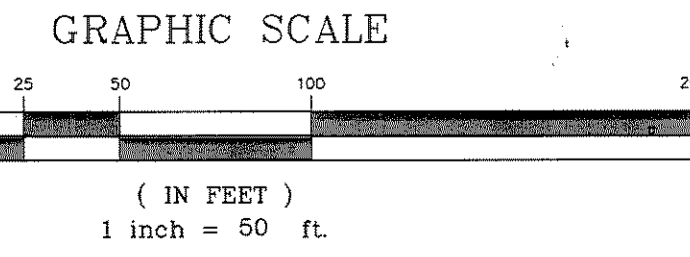
GLEN BRIDGE ROAD SUBDIVISION
BUNCOMBE COUNTY,
NORTH CAROLINA

SUBDIVISION PLAN

sheet
C-100



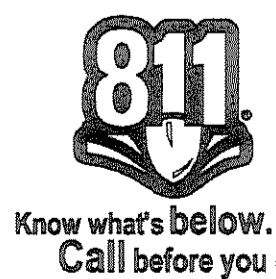
- NOTES:
- 1.) SEE PLAN & PROFILE SHEETS FOR HORIZONTAL & VERTICAL CURVE INFORMATION & ROAD GRADES.
 - 2.) SURVEY INFORMATION PROVIDED BY: MATTERN & CRAIG 12 BROAD STREET, ASHEVILLE, NC 28801.
 - 3.) NO WALLS ARE PROPOSED.
 - 4.) PROPOSED ROADS ARE TO BE PRIVATE & TURNED OVER TO THE HOMEOWNERS ASSOC.
 - 5.) THE SITE IS ENTIRELY A MEADOW EXCEPT TREES & IMPROVEMENTS AS SHOWN.
 - 6.) ELECTRICAL, TELEPHONE AND NATURAL GAS WILL BE UNDERGROUND AS DESIGNED BY UTILITY COMPANY.
 - 7.) PROPOSED SANITARY SEWER SHALL BE TURNED OVER TO MSD.
 - 8.) PROPOSED WATER SYSTEM SHALL BE TURNED OVER TO CITY OF ASHEVILLE.
 - 9.) NO KNOWN CEMETERIES ARE LOCATED ON THE PROPERTY.
 - 10.) PAVEMENT DESIGN WAS DESIGNATED WITH ASSUMING POOR TO FAIR SUBGRADE (GROUP II, PAGE 23 NCDOT SUBDIVISION ROADS MINIMUM CONSTRUCTED STANDARDS) WITH 8" OF ABC & 3" OF 59.5B.
 - 11.) NO BASE COURSE SHALL BE PLACED ON MUCK, PIPE CLAY, ORGANIC MATTER OR OTHER UNSUITABLE MATTER, AND A MINIMUM COMPACTION RATE OF SUBGRADE PRIOR TO PAVING SHALL BE LESS THAN 95 PERCENT BY STANDARD PROCTOR METHOD AND CERTIFIED BY A LICENSED ENGINEER.
 - 12.) 2' CONTOURS & SURVEY INFORMATION PROVIDED BY: MATTERN & CRAIG 12 BROAD STREET, ASHEVILLE, NC 28801.
 - 13.) THIS SUBDIVISION IS NOT A DRASTIC VARIATION HILLSIDE DEVELOPMENT.
 - 14.) NONE OF THE SLOPES OF THE LOTS PERPENDICULAR TO THE ROAD EXCEED 18%.
 - 15.) THE ROAD CORRIDOR DOES NOT EXCEED 60 FEET IN HEIGHT.
 - 16.) NO ROAD CONSTRUCTION WILL OCCUR IN AREAS THAT EXCEED 30R NATURAL SLOPE AND IN NO AREAS THAT ARE HIGH HAZARD OR MODERATE HAZARD ON THE BUNCOMBE COUNTY SLOPE STABILITY INDEX MAP.
 - 17.) NATURAL AVERAGE SLOPE OF THE PROJECT AREA IS 13%.
 - 18.) THIS PROPERTY IS NOT LOCATED WITHIN A 100 YR FLOOD PLAIN (PER NC FLOOD PLAIN MAPPING)
 - 19.) PROJECT IS TO BE COMPLETED IN ONE PHASE.



- LEGEND
- EXISTING 2' CONTOUR
 - PROPOSED 2' CONTOUR
 - EXISTING STORM DRAINAGE PIPING
 - PROPOSED STORM DRAINAGE PIPING
 - EXISTING STORM DRAINAGE STRUCTURE
 - PROPOSED STORM DRAINAGE STRUCTURE
 - EXISTING WATER SYSTEM
 - PROPOSED WATER SYSTEM
 - EXISTING SANITARY SEWER SYSTEM
 - PROPOSED SANITARY SEWER SYSTEM

PROJECT SUMMARY

PROJECT NAME: GLEN BRIDGE ROAD SUBDIVISION
 DEVELOPER: WINDSOR BUILT HOMES, INC. P.O. BOX 16449 GREENVILLE, SC 29606 (864) 271-9855
 OWNER: RT CAROLINA PROPERTIES, LLC. 1800 NW 1ST CT BOCA RATON, FL 33432
 CONTACT PERSON: DREW NORWOOD PO BOX 16449 GREENVILLE, SC 29606 (828) 271-9855
 ENGINEER: WILLIAM R. BUIE, P.E. WGIA ENGINEERING, PLLC 214 N. KING STREET HENDERSONVILLE, NC 28792 (828) 687-7177
 DEED REF: D.B. 4288 PG. 0118
 PIN #: 9634-63-4032
 SIZE: 8.25± AC.
 ZONING: R2 (BUNCOMBE COUNTY)
 TOTAL # OF PROPOSED LOTS: 24 LOTS
 DENSITY: 2.9± LOTS / ACRE
 SETBACKS: FRONT - 10 FT
 SIDE - 7 FT
 BACK - 15 FT
 TOWNSHIP: AVERYS CREEK
 PROPOSED ROAD: 989± LF
 CORRIDOR 90' OR LESS: 0± LF (0%)
 CORRIDOR 91' TO 135': 989± LF (100%)
 MAX. CORRIDOR HEIGHT: 4±
 * CORRIDOR SECTION GREATER THAN 90' IS DUE TO MASS GRADING & NOT ROADWAY CONSTRUCTION.

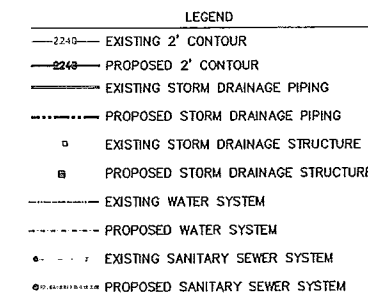
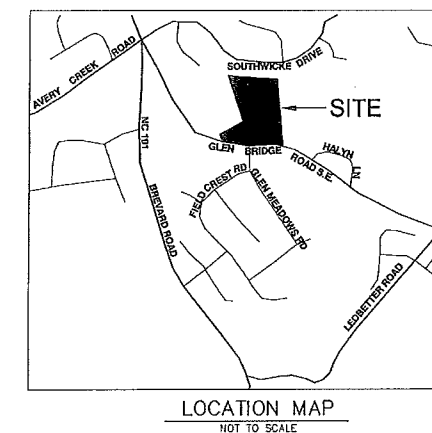


Revisions	date: 2/12/15
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	drawn: KHC

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wgia.com

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additional infoarmtion
submitted 3-27-2015
SUB2015-00078



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 PROPOSED ROAD: 989± LF
 CORRIDOR 90' OR LESS: 0± LF (0%)
 CORRIDOR 91' TO 135': 989± LF (100%)*
 MAX. CORRIDOR HEIGHT: 4±
 * CORRIDOR SECTION GREATER THAN 90' IS DUE TO MASS GRADING & NOT ROADWAY CONSTRUCTION.

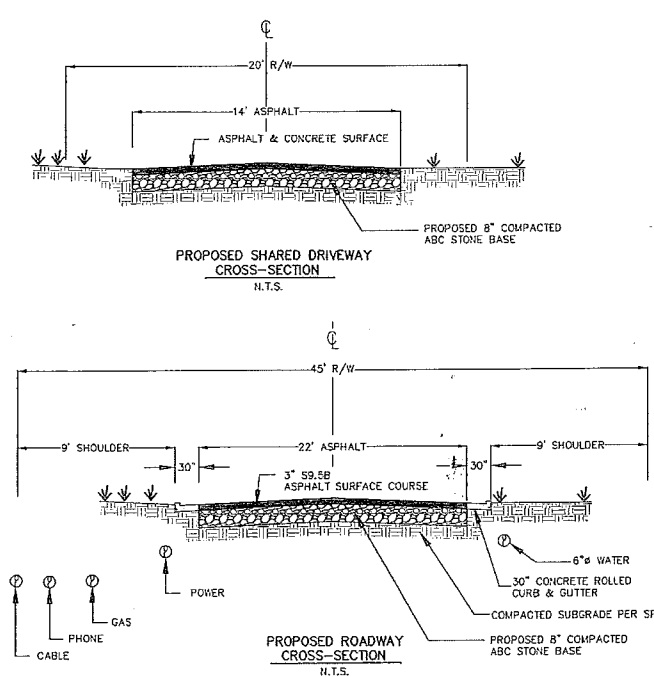
811
Know what's below.
Call before you dig.

Preliminary
Not for Construction

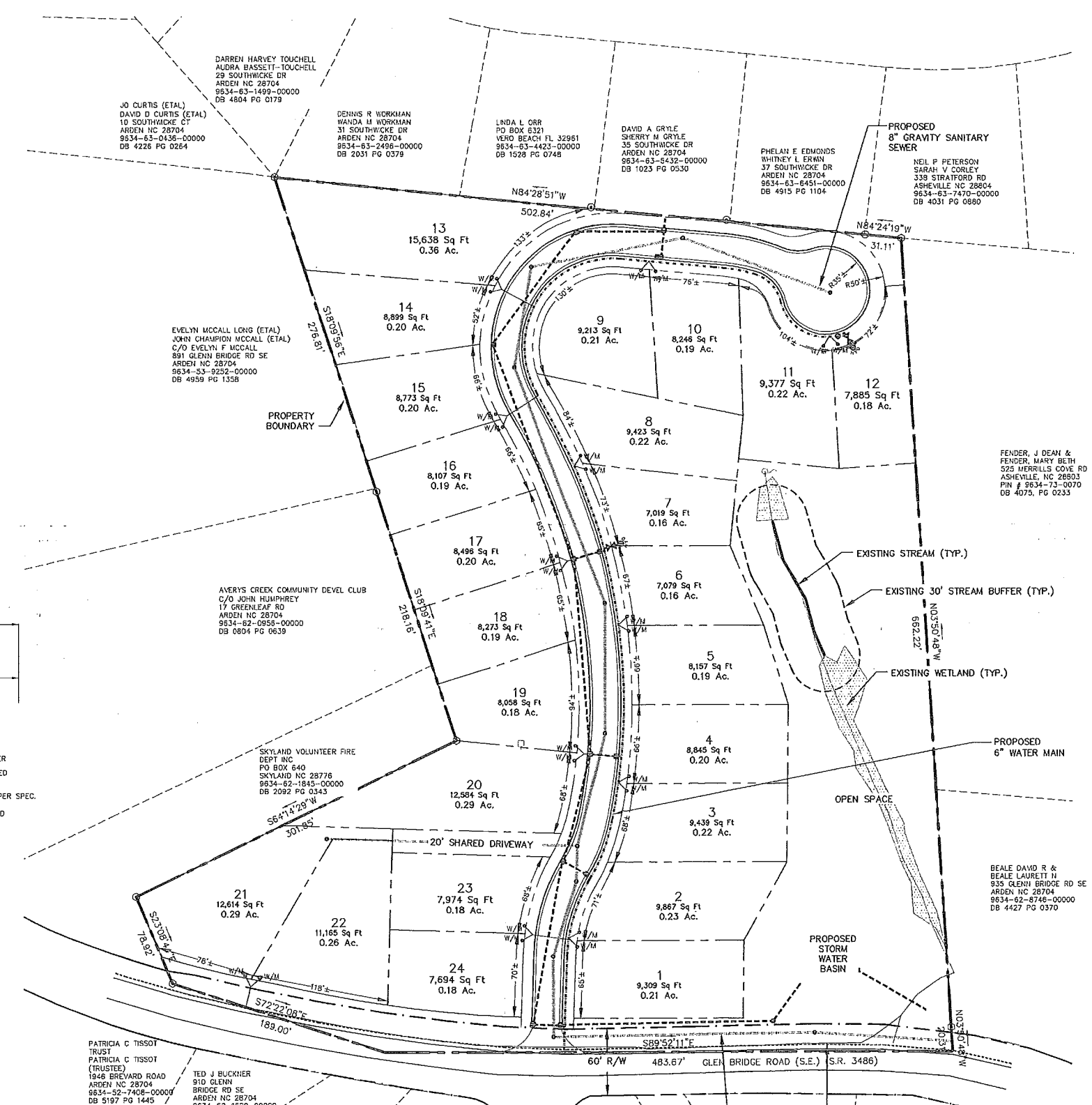
Revisions

date: 2/12/15
job: 14176
drawn: KHC

sheet
C-100

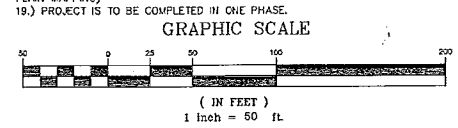


- NOTES:
- SEE PLAN & PROFILE SHEETS FOR HORIZONTAL & VERTICAL CURVE INFORMATION & ROAD GRADES.
 - SURVEY INFORMATION PROVIDED BY: MATTERN & CRAIG 12 BROAD STREET, ASHEVILLE, NC 28801.
 - NO WALLS ARE PROPOSED.
 - PROPOSED ROADS ARE TO BE PRIVATE & TURNED OVER TO THE HOMEOWNERS ASSOC.
 - THE SITE IS ENTIRELY A MEADOW EXCEPT TREES & IMPROVEMENTS AS SHOWN.
 - ELECTRICAL, TELEPHONE AND NATURAL GAS WILL BE UNDERGROUND AS DESIGNED BY UTILITY COMPANY.
 - PROPOSED SANITARY SEWER SHALL BE TURNED OVER TO MSD.
 - PROPOSED WATER SYSTEM SHALL BE TURNED OVER TO CITY OF ASHEVILLE.
 - NO KNOWN CEMETERIES ARE LOCATED ON THE PROPERTY.
 - PAVEMENT DESIGN WAS DESIGNATED WITH ASSUMING POOR TO FAIR SUBGRADE (GROUP B, PAGE 23 NCDOT SUBDIVISION ROADS MINIMUM CONSTRUCTED STANDARDS) WITH 8" OF ABC & 3" OF 59.5#.
 - NO BASE COURSE SHALL BE PLACED ON MUCK, PIPE CLAY, ORGANIC MATTER OR OTHER UNSUITABLE MATTER, AND A MINIMUM COMPACTION RATE OF SUBGRADE PRIOR TO PAVING SHALL BE LESS THAN 95 PERCENT BY STANDARD PROCTOR METHOD AND CERTIFIED BY A LICENSED ENGINEER.
 - 2' CONTOURS & SURVEY INFORMATION PROVIDED BY: MATTERN & CRAIG 12 BROAD STREET, ASHEVILLE, NC 28801.
 - THIS SUBDIVISION IS NOT A DRASTIC VARIATION HILLSIDE DEVELOPMENT.
 - NONE OF THE SLOPES OF THE LOTS PERPENDICULAR TO THE ROAD EXCEED 18%.
 - THE ROAD CORRIDOR DOES NOT EXCEED 60 FEET IN HEIGHT.
 - NO ROAD CONSTRUCTION WILL OCCUR IN AREAS THAT EXCEED 30% NATURAL SLOPE AND IN NO AREAS THAT ARE HIGH HAZARD OR MODERATE HAZARD ON THE BUNCOMBE COUNTY SLOPE STABILITY INDEX MAP.
 - NATURAL AVERAGE SLOPE OF THE PROJECT AREA IS 13%.
 - THIS PROPERTY IS NOT LOCATED WITHIN A 100 YR FLOOD PLAIN (PER NC FLOOD PLAIN MAPPING).
 - PROJECT IS TO BE COMPLETED IN ONE PHASE.



APPROVED
BUNCOMBE COUNTY
FIRE MARSHAL'S OFFICE

DATE 3-31-15 BY [Signature]



WGLA Engineering, PLLC
 CONSULTING ENGINEERS & LAND PLANNERS
 HENDERSONVILLE, NORTH CAROLINA
 GLEN BRIDGE ROAD SUBDIVISION
 BUNCOMBE COUNTY,
 NORTH CAROLINA
 SUBDIVISION PLAN

ATTACHMENT B

Buncombe County Planning Board Meeting
Recommended Staff Conditions
SUB2015-00078
April 20, 2016
Glenn Bridge Subdivision

If approved by the Buncombe County Planning Board, the applicant shall provide the following information on a revised set of plans (if necessary) submitted to the Buncombe County Department of Planning and Development:

1. Provide proof of approval of road names and addresses from E-911 Addressing.
2. Provide proof of approval from the Buncombe County Erosion Control Officer that an Erosion Control Plan has been submitted and approved for the project. *No grading shall occur on the site until an approved Buncombe County Erosion Control permit is obtained.*
3. Provide proof of approval from the Buncombe County Stormwater Administrator that a stormwater management plan has been submitted and approved for the project. *No grading shall occur on the site until an approved Buncombe County Stormwater permit is obtained.*
4. Provide proof of approval of system design for City of Asheville Water lines. Proof of acceptance of the water lines into the City of Asheville's water system or an engineer's certification that the system has been installed to City of Asheville's standards will be required prior to recordation of a final plat or release of a financial guarantee.
5. Provide proof of approval of system design from the Metropolitan Sewerage District. Proof of acceptance of the sewer lines into the Metropolitan Sewerage District sewage system or an engineer's certification indicating that the system has been installed to MSD standards will be required prior to recordation of a final plat or release of a financial guarantee.
6. Provide a copy of the approved NCDOT driveway permit.
7. Indicate on the submitted plans that the shared driveway is less than 20% grade.
8. Indicate the existing use of the land abutting the subdivision.

WGLA Project Number: 14105

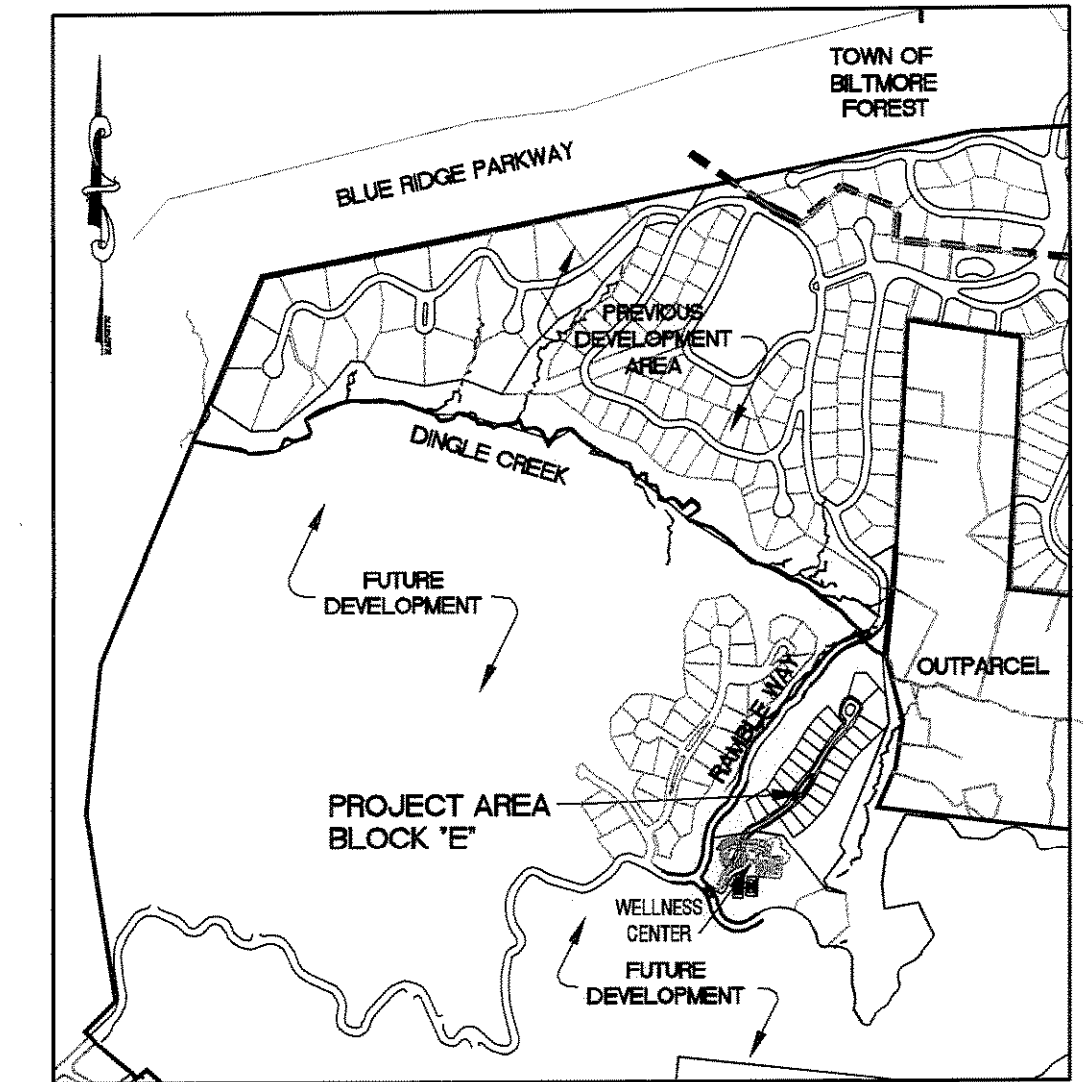
Revisions:

3-6-15 Released for Permitting

ATTACHMENT C

SUB2015-00079

SUBMITTED 3/6/2015



VICINITY MAP

N.T.S.

The Ramble Biltmore Forest

BLOCK "E"

GRANTED PRELIMINARY APPROVAL WITH CONDITIONS AT THE 4/20/2015 PLANNING BOARD MEETING

1. Provide proof of approval of road names and addresses from E-911 Addressing.
2. Provide proof of approval from the Buncombe County Erosion Control Officer that an Erosion Control Plan has been submitted and approved for the project. No grading shall occur on the site until an approved Buncombe County Erosion Control permit is obtained.
3. Provide proof of approval from the Buncombe County Stormwater Administrator that a stormwater management plan has been submitted and approved for the project. No grading shall occur on the site until an approved Buncombe County Stormwater permit is obtained.
4. Provide proof of approval of system design for City of Asheville Water lines. Proof of acceptance of the water lines into the City of Asheville's water system or an engineer's certification that the system has been installed to City of Asheville's standards will be required prior to recordation of a final plat or release of a financial guarantee.
5. Provide proof of approval of system design from the Metropolitan Sewerage District. Proof of acceptance of the sewer lines into the Metropolitan Sewerage District sewage system or an engineer's certification indicating that the system has been installed to MSD standards will be required prior to recordation of a final plat or release of a financial guarantee.
6. Indicate the existing use of the land within and abutting the subdivision.

BUNCOMBE COUNTY
NORTH CAROLINA

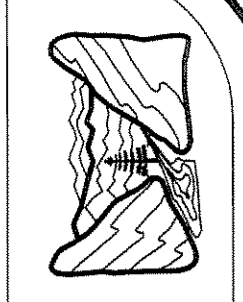
INDEX

SHEET NO.	DESCRIPTION
C-100	SUBDIVISION PLAN
C-101	FUTURE DEVELOPMENT PLAN
C-200	GRADING AND EROSION CONTROL PLAN
C-201	GRADING AND EROSION CONTROL PLAN
C-202	HALLETT COURT PLAN & PROFILE
C-203	GRADING AND EROSION CONTROL DETAILS
C-204	GRADING AND EROSION CONTROL DETAILS
C-300	STORM DRAINAGE PLAN
C-301	STORM DRAINAGE DETAILS
C-302	STORM DRAINAGE DETAILS
C-303	STORM DRAINAGE DETAILS
C-400	SANITARY SEWER SYSTEM LAYOUT
C-401	SANITARY SEWER MAIN PLAN & PROFILE
C-402	SANITARY SEWER DETAILS
C-500	WATER SYSTEM LAYOUT
C-501	WATER MAIN PLAN & PROFILE
C-502	WATER MAIN PLAN & PROFILE
C-503	WATER SYSTEM DETAILS
C-504	WATER SYSTEM DETAILS



WGLA Engineering, PLLC

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 NC License No: P-1342
 214 N. King Street
 Hendersonville, North Carolina 28792
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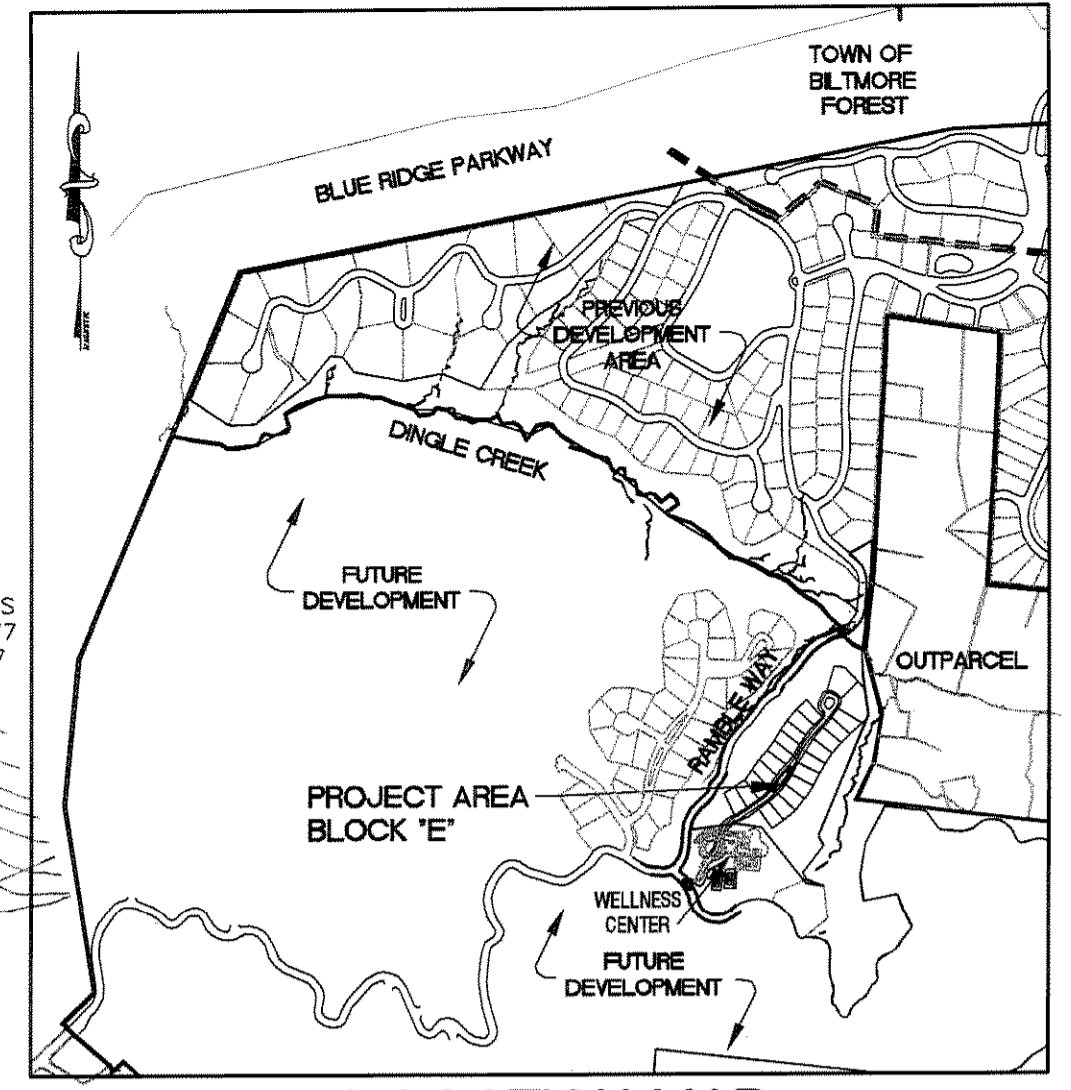


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HENDERSONVILLE, NORTH CAROLINA

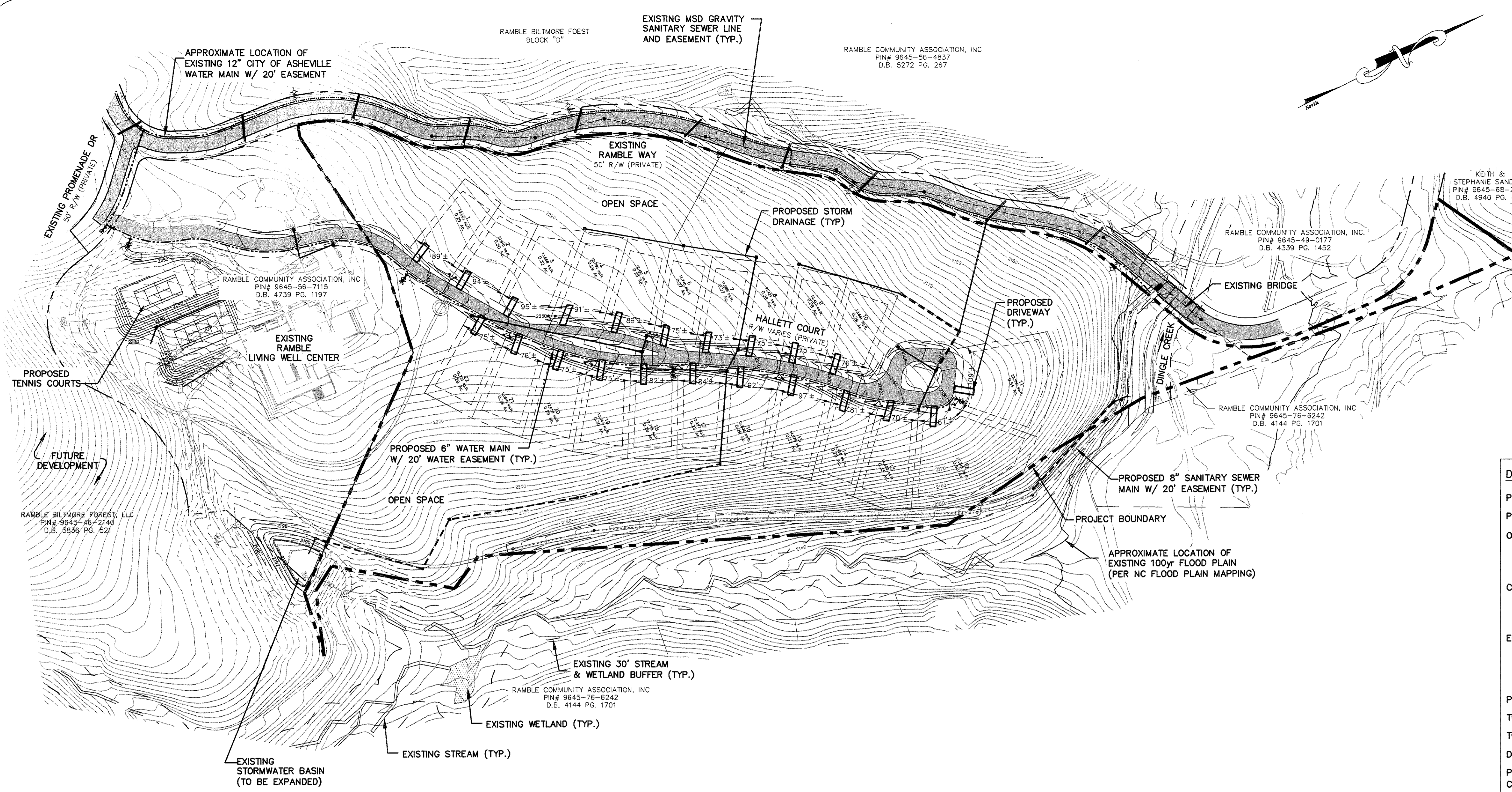
THE RAMBLE BILTMORE FOREST
BLOCK "E"
BUNCOMBE COUNTY
NORTH CAROLINA

SUBDIVISION PLAN

sheet
C-100



LOCATION MAP
 NOT TO SCALE



DEVELOPMENT BLOCK:

PROJECT NAME: THE RAMBLE BILTMORE FOREST BLOCK "E"

PROJECT ADDRESS: RAMBLE WAY

OWNER/DEVELOPER: RAMBLE BILTMORE FOREST, LLC
 ONE TOWN SQUARE BLVD, SUITE 330
 ASHEVILLE, NC 28803
 (828) 209-2000

CONTACT PERSON: LEE THOMASON
 ONE TOWN SQUARE BLVD, SUITE 330
 ASHEVILLE, NC 28803
 (828) 209-2000

ENGINEER: WILLIAM R. BUIE, P.E.
 WGLA ENGINEERING, PLLC
 214 N. KING STREET
 HENDERSONVILLE, NC 28792
 (828) 687-7177

PIN #: 9645-46-1075

TOTAL PROPERTY SIZE: 19.47± AC.

TOTAL # OF PROPOSED LOTS: 22 LOTS

DENSITY: 1 LOT / 0.885± AC.

PROPOSED ROAD: 1,350 LF±

CORRIDOR 90' OR LESS: 1,150 LF (85.2%)

CORRIDOR 91' TO 135': 200 LF (14.8%)*

MAX. CORRIDOR HEIGHT: 4'±

DEED REF: D.B. 3836 PG. 0521

ZONING: R-1 (BUNCOMBE COUNTY)

TOWNSHIP: LOWER HOMINY CREEK

BUILDING SETBACKS: REQUIRED

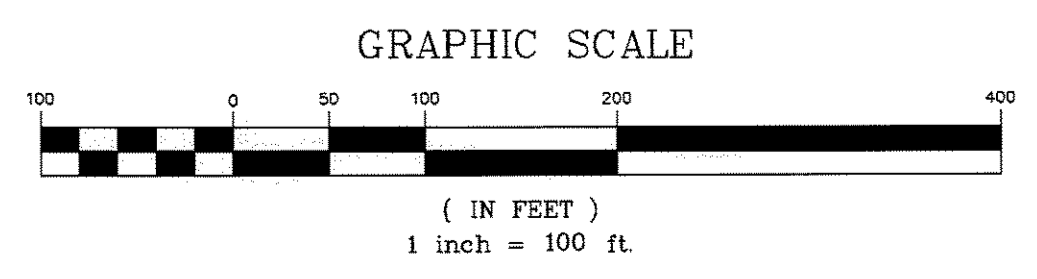
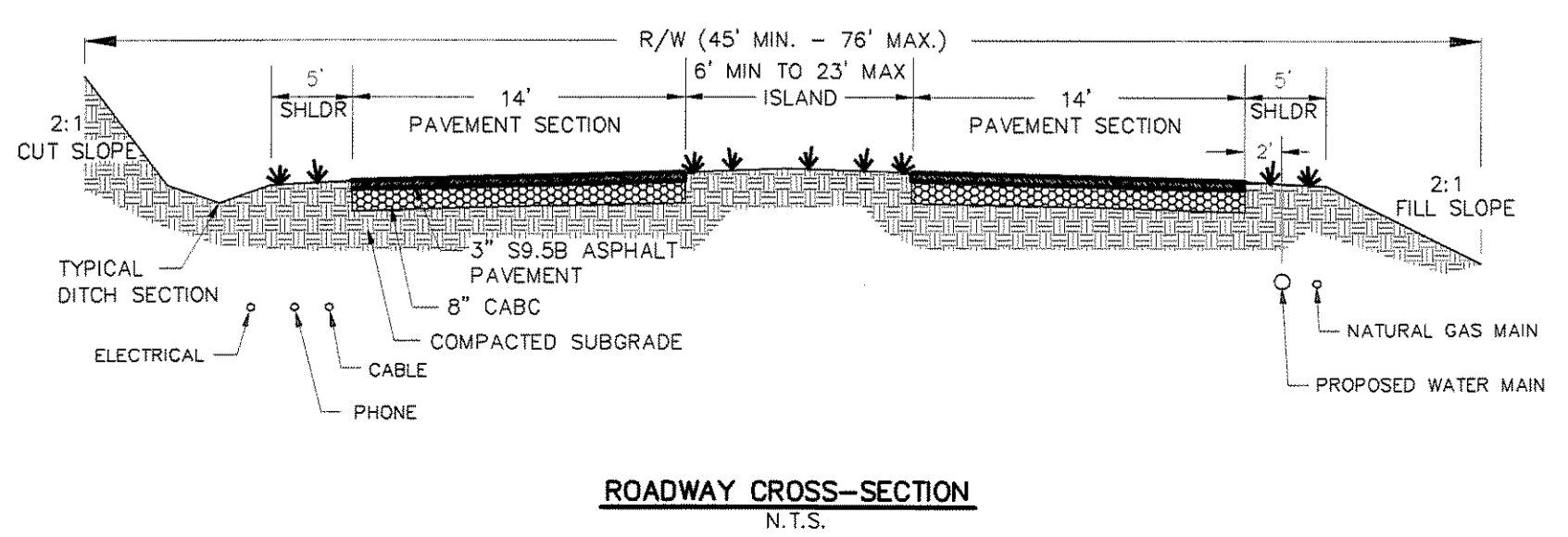
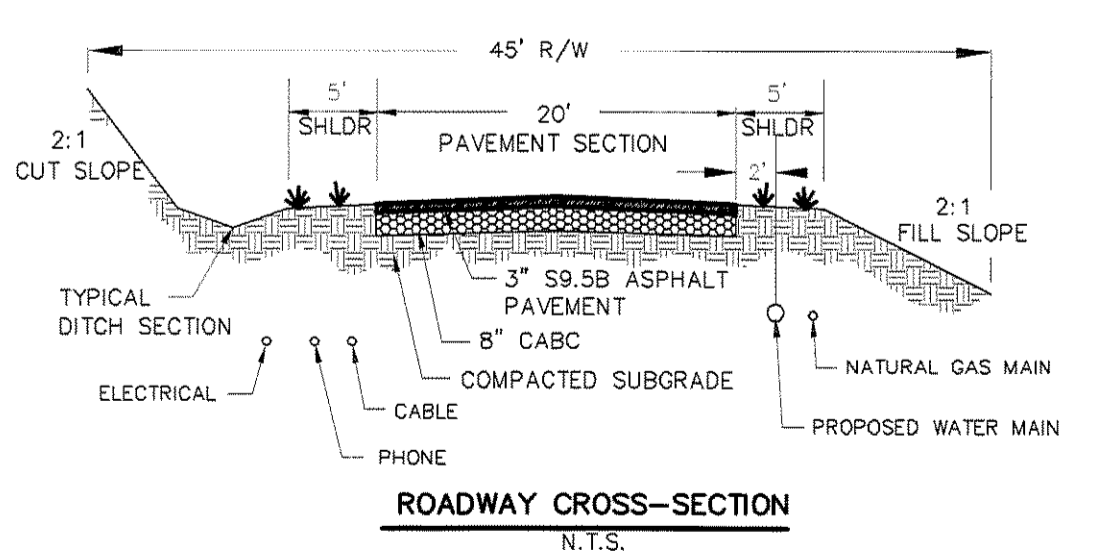
FRONT	20' (from ROW)
SIDE	10'
REAR	20'

* CORRIDOR SECTION GREATER THAN 90' IS DUE TO DIVIDED ROADWAY DESIGN & NOT TO TOPOGRAPHY.

LEGEND

- 2240 — EXISTING 2' CONTOUR
- 2240 — PROPOSED 2' CONTOUR
- EXISTING STORM DRAINAGE PIPING
- PROPOSED STORM DRAINAGE PIPING
- - - - PROPOSED STORM DRAINAGE DETANTION PIPING
- EXISTING STORM DRAINAGE STRUCTURE
- PROPOSED STORM DRAINAGE STRUCTURE
- EXISTING WATER SYSTEM
- - - - PROPOSED WATER SYSTEM
- EXISTING SANITARY SEWER SYSTEM
- PROPOSED SANITARY SEWER SYSTEM

- NOTES:**
- SEE PLAN & PROFILE SHEETS FOR HORIZONTAL & VERTICAL CURVE INFORMATION & ROAD GRADES.
 - SURVEY INFORMATION PROVIDED BY: NC SURVEY, P.C. 96 CENTRAL AVENUE ASHEVILLE, NC 28801.
 - NO WALLS ARE PROPOSED.
 - PROPOSED ROADS ARE TO BE PRIVATE & TURNED OVER TO THE RAMBLE BILTMORE FOREST HOMEOWNERS ASSOC.
 - THE SITE IS ENTIRELY WOODED EXCEPT FOR ROAD CONNECTION POINT.
 - ELECTRICAL, TELEPHONE AND NATURAL GAS WILL BE UNDERGROUND AS DESIGNED BY UTILITY COMPANY.
 - PROPOSED SANITARY SEWER SHALL BE TURNED OVER TO MSD.
 - PROPOSED WATER SYSTEM SHALL BE TURNED OVER TO CITY OF ASHEVILLE.
 - NO KNOWN CEMETERIES ARE LOCATED ON THE PROPERTY.
 - EXISTING LAND IS VACANT.
 - PAVEMENT DESIGN WAS DESIGNATED WITH ASSUMING POOR TO FAIR SUBGRADE (GROUP II, PAGE 23 NCDOT SUBDIVISION ROADS MINIMUM CONSTRUCTED STANDARDS) WITH 8" OF ABC & 3" OF S9.5B.
 - NO BASE COURSE SHALL BE PLACED ON MUCK, PIPE CLAY, ORGANIC MATTER OR OTHER UNSUITABLE MATTER, AND A MINIMUM COMPACTION RATE OF SUBGRADE PRIOR TO PAVING SHALL BE LESS THAN 95 PERCENT BY STANDARD PROCTOR METHOD AND CERTIFIED BY A LICENSED ENGINEER.
 - 2' CONTOURS & SURVEY INFORMATION PROVIDED BY: NC SURVEY, P.C., 96 CENTRAL DRIVE, ASHEVILLE NC 28801.
 - THIS SUBDIVISION IS NOT A DRASTIC VARIATION HILLSIDE DEVELOPMENT.
 - NONE OF THE SLOPES OF THE LOTS PERPENDICULAR TO THE ROAD EXCEED 18%.
 - THE ROAD CORRIDOR DOES NOT EXCEED 60 FEET IN HEIGHT.
 - NO ROAD CONSTRUCTION WILL OCCUR IN AREAS THAT EXCEED 30% NATURAL SLOPE AND IN NO AREAS THAT ARE HIGH HAZARD OR MODERATE HAZARD ON THE BUNCOMBE COUNTY SLOPE STABILITY INDEX MAP.
 - NATURAL AVERAGE SLOPE OF THE PROJECT AREA IS 17%.



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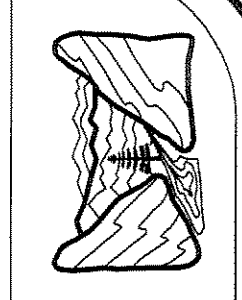
811
 Know what's below.
 Call before you dig.

WGLA Engineering, PLLC
 WILLIAM R. BUIE
 3-6-15

Revisions	
3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
job: 14105
drawn: KHC

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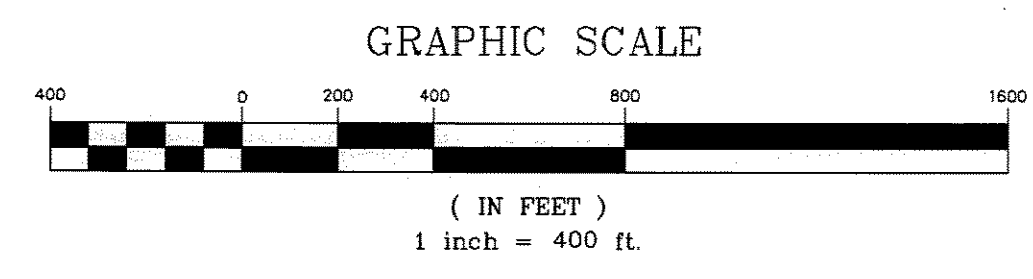
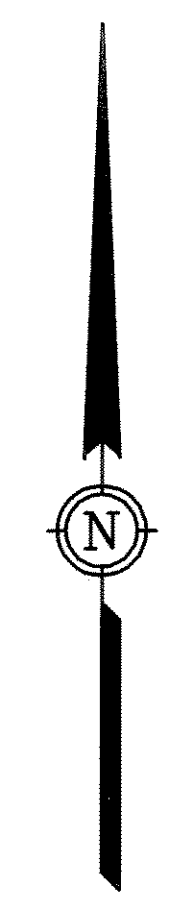
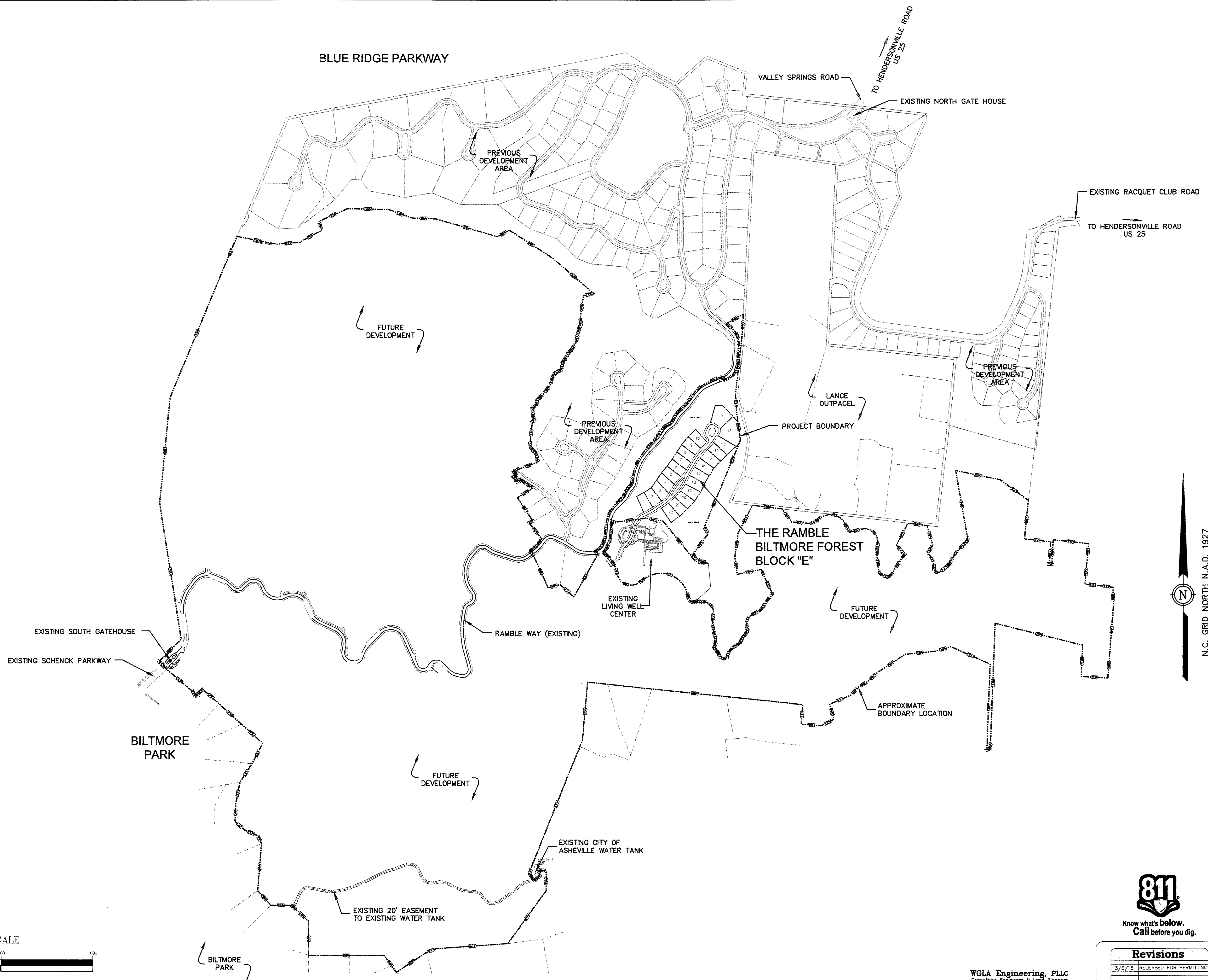


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 HENDERSONVILLE, NORTH CAROLINA

THE RAMBLE BILTMORE FOREST
 BLOCK "E"
 BUNCOMBE COUNTY
 NORTH CAROLINA

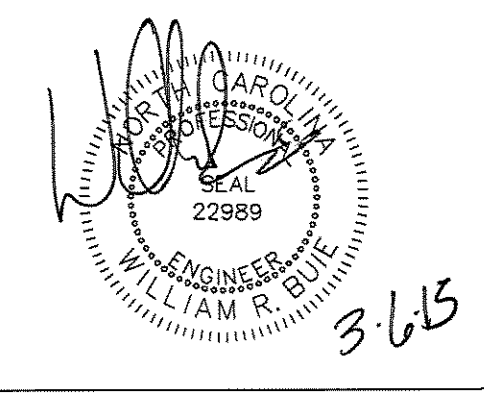
THE RAMBLE FUTURE
 DEVELOPMENT PLAN

sheet
 C-101



NOTE: THIS IS NOT A SURVEY.

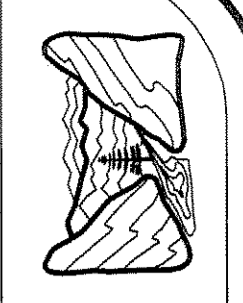
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 Hendersonville, North Carolina 28792
 (828) 487-7177
 wglac.com



Revisions	
3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
 job: 14105
 drawn: KHC

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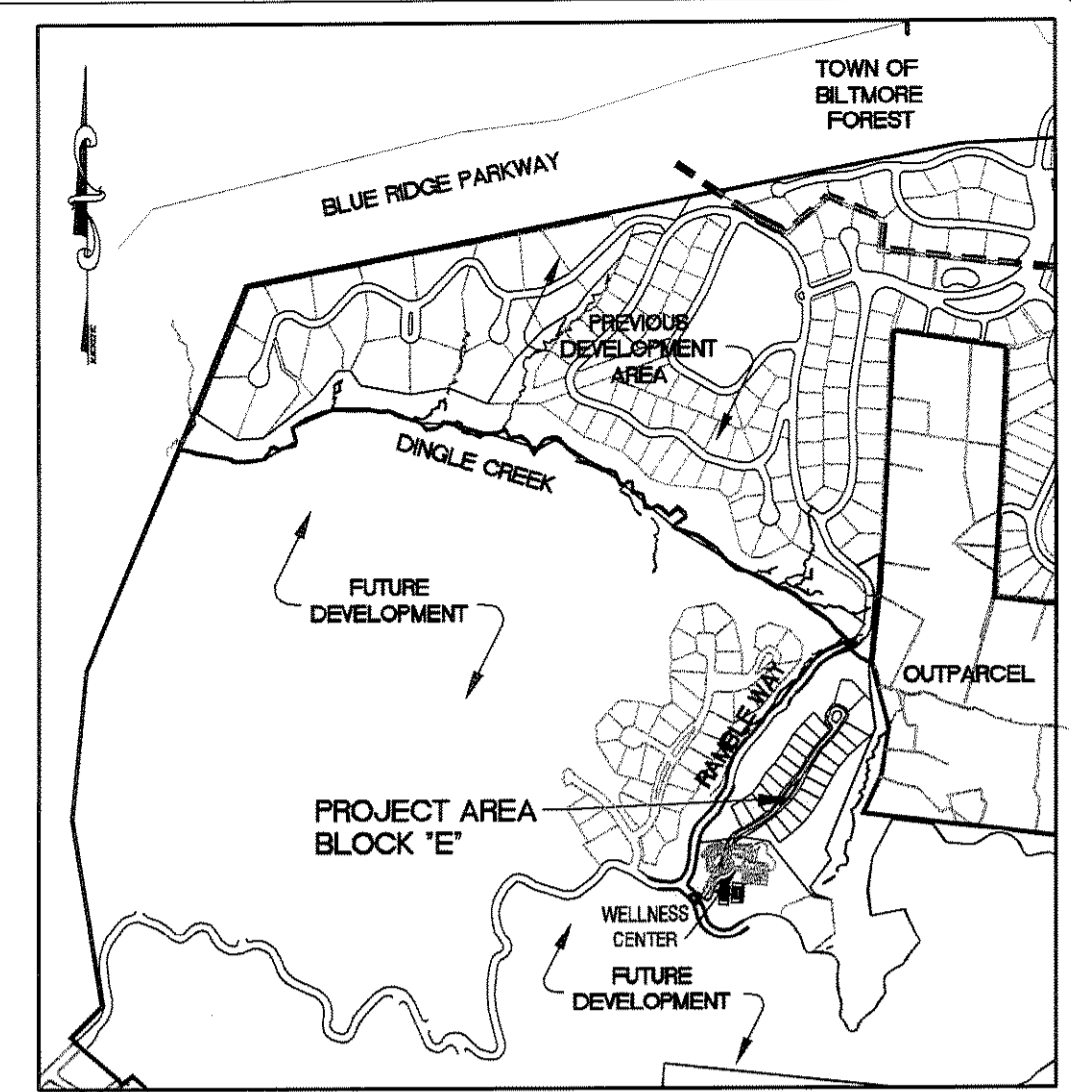


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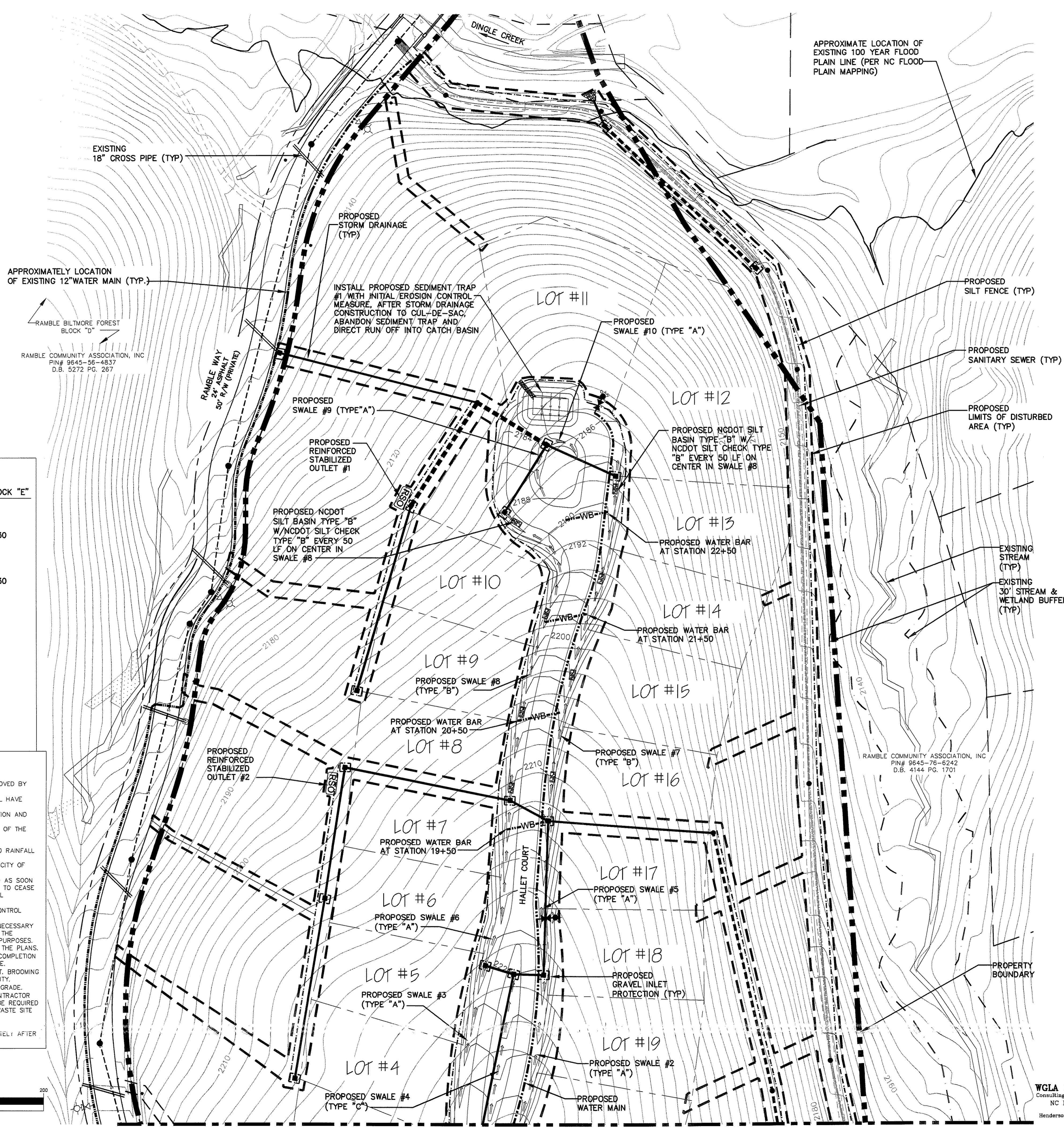
THE RAMBLE BILTMORE FOREST
BLOCK "E"
BUNCOMBE COUNTY
NORTH CAROLINA

GRADING AND EROSION CONTROL PLAN

sheet
C-200



LOCATION MAP
NOT TO SCALE



APPROXIMATE LOCATION OF
EXISTING 100 YEAR FLOOD
PLAIN LINE (PER NC FLOOD
PLAIN MAPPING)

EXISTING
18" CROSS PIPE (TYP)

APPROXIMATELY LOCATION
OF EXISTING 12" WATER MAIN (TYP.)

RAMBLE BILTMORE FOREST
BLOCK "D"
RAMBLE COMMUNITY ASSOCIATION, INC
PIN# 9645-36-4837
D.B. 5272 PG. 287

RAMBLE WAY
24' ASPHALT
50' R/W (PRIVATE)

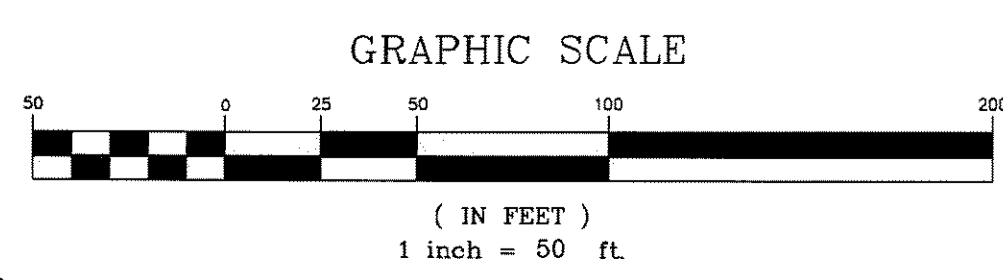
RAMBLE COMMUNITY ASSOCIATION, INC
PIN# 9645-76-6242
D.B. 4144 PG. 1701

DEVELOPMENT BLOCK:

PROJECT NAME: THE RAMBLE BILTMORE FOREST BLOCK "E"
PROJECT ADDRESS: PROMENADE DRIVE
OWNER/DEVELOPER: RAMBLE BILTMORE FOREST, LLC
ONE TOWN SQUARE BLVD, SUITE 330
ASHEVILLE, NC 28803
(828) 209-2000
CONTACT PERSON: LEE THOMASON
ONE TOWN SQUARE BLVD, SUITE 330
ASHEVILLE, NC 28803
(828) 209-2000
ENGINEER: WILLIAM R. BUIE, P.E.
WGLA ENGINEERING, PLLC
214 N. KING STREET
HENDERSONVILLE, NC 28792
(828) 687-7177
PIN #: 9645-46-1075
TOTAL PROPERTY SIZE: 19.47± AC.
TOTAL # OF PROPOSED LOTS: 22 LOTS
DEED REF: D.B. 3836 PG. 0521
TOWNSHIP: LOWER HOMINY CREEK

NOTES:

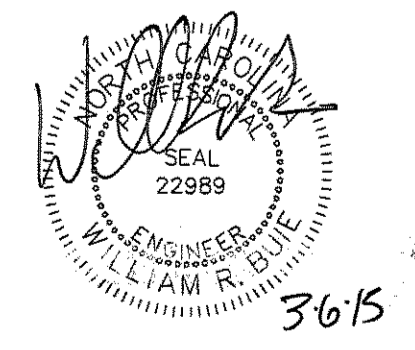
- MEASURES BEYOND THOSE SHOWN ON THE PLANS SHOULD BE APPROVED BY THE OWNER.
- ALL STORM DRAINAGE INLETS (INCLUDING ALL EXISTING INLETS) SHALL HAVE GRAVEL INLET PROTECTION AS SHOWN ON THE DETAIL SHEET.
- CONTRACTOR SHALL OBTAIN A COPY OF THE APPROVED SEDIMENTATION AND EROSION CONTROL PERMIT AND FOLLOW ALL DIRECTIVES. CONTRACTOR SHALL READ AND UNDERSTAND THE NPDES REQUIREMENTS OF THE PERMIT INCLUDING BUT NOT LIMITED TO:
-PLACEMENT OF RAIN GAUGE ON THE SITE
-INSPECTION OF ALL EROSION CONTROL MEASURES FOLLOWING SPECIFIED RAINFALL EVENTS OR WEEKLY.
-KEEPER OF INSPECTION LOG FOR REVIEW UPON REQUEST BY NCDENR, CITY OF ASHEVILLE, OWNER OR ENGINEER.
- ALL SLOPES OR GREATER 4:1 SHALL BE MATTED OR HYDRO-SEEDED AS SOON AS PRACTICALLY POSSIBLE. THE OWNER MAY REQUIRE THE CONTRACTOR TO CEASE NEW CONSTRUCTION UNTIL ALL SEEDING, MATTING AND EROSION CONTROL MAINTENANCE HAS BEEN COMPLETED.
- IT IS THE CONTRACTORS RESPONSIBILITY TO MAINTAIN ALL EROSION CONTROL MEASURES THROUGHOUT THE LIFE OF THE PROJECT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FIELD STAKING NECESSARY FOR THE CONSTRUCTION OF THE PROJECT. THE ENGINEER WILL PROVIDE THE CONTRACTOR WITH AN ELECTRONIC COPY OF THE DESIGN FOR STAKING PURPOSES. HOWEVER ALL ELECTRONIC INFORMATION SHOULD BE COORDINATED WITH THE PLANS.
- CONTRACTOR SHALL REMOVE ALL EROSION CONTROL MEASURES AT COMPLETION OF PROJECT. AFTER SITE HAS STABILIZED AND RESTORE TO FINAL GRADE.
- CONTRACTOR MUST KEEP ALL EXISTING STREETS CLEAR OF SEDIMENT, BROOMING OR SWEEPING OF THE STREETS WILL BE THE CONTRACTORS RESPONSIBILITY.
- ALL PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED GRADE.
- THE SITE SHOULD BALANCE ON THE GRADING, HOWEVER IF THE CONTRACTOR HAS TO USE A BORROW OR WASTE SITE, THEN THE CONTRACTOR WILL BE REQUIRED TO PROVIDE PROOF OF ACTIVE GRADING PERMIT FOR THE BORROW OR WASTE SITE TO BE USED.
- SEE SHEETS C-204 & C-205 FOR DETAILS
- ALL UTILITY CORRIDORS SHALL BE STABILIZED WITH MULCH IMMEDIATELY AFTER GRUBBING AND AGAIN AFTER UTILITY CONSTRUCTION.



LEGEND

2240	EXISTING 2' CONTOUR
2240	PROPOSED 2' CONTOUR
---	PROPOSED LIMIT OF DISTURBED AREA
---	PROPOSED GRAVEL CONSTRUCTION ENTRANCE
---	PROPOSED SILT FENCE
RSO	PROPOSED REINFORCED STABILIZED OUTLET
□	PROPOSED GRAVEL INLET PROTECTION
▽	PROPOSED OUTLET PROTECTION
---	PROPOSED SWALE
WB	PROPOSED WATER BAR
---	PROPOSED ROCK PIPE INLET PROTECTION
RSB	PROPOSED NCDOT SILT BASIN
---	PROPOSED SLOPE MATTING
---	EXISTING STORM DRAINAGE
---	PROPOSED STORM DRAINAGE
---	EXISTING WATER MAIN
---	PROPOSED WATER MAIN
---	EXISTING SANITARY SEWER
---	PROPOSED SANITARY SEWER

TOTAL DISTURBED AREA
6.25± ACRES



Revisions

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Hendersonville, North Carolina 28792
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MATCHLINE "A" (SEE SHEET C-201)

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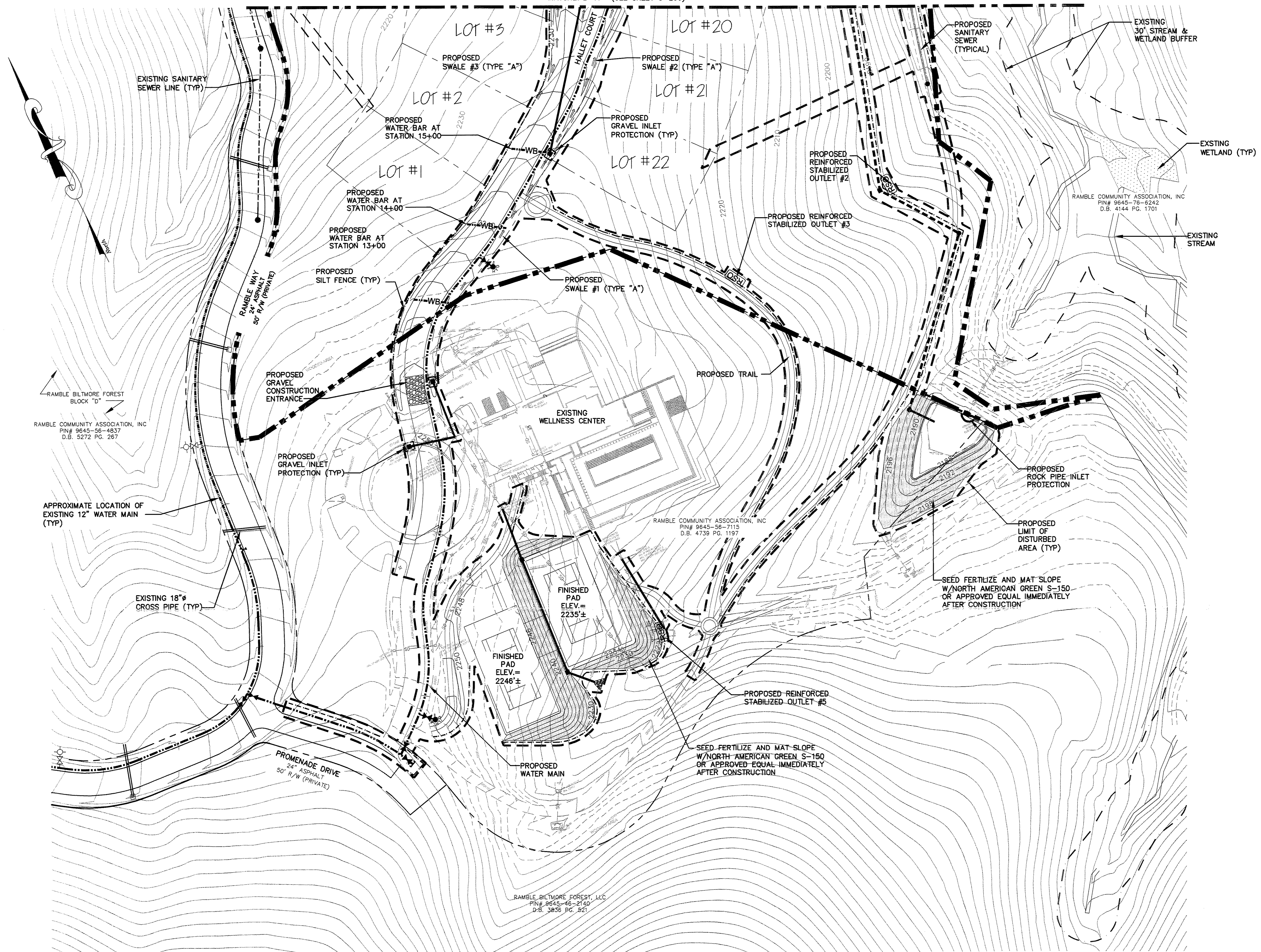
WGLA Engineering, PLLC
CONSULTING ENGINEERS & LAND PLANNERS
HENDERSONVILLE, NORTH CAROLINA

THE RAMBLE BILTMORE FOREST
BLOCK "E"
BUNCOMBE COUNTY
NORTH CAROLINA

GRADING AND EROSION CONTROL PLAN

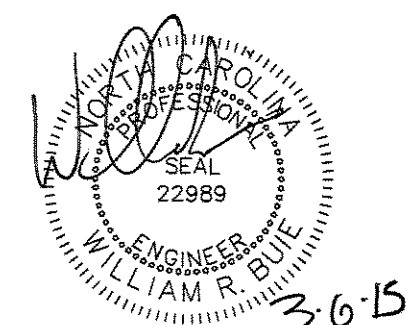
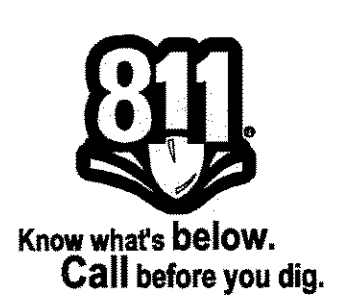
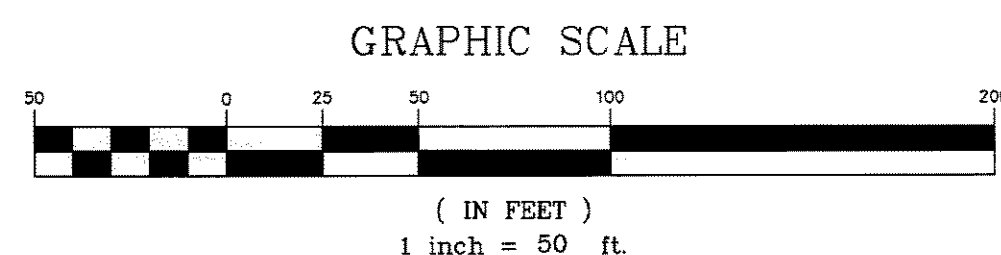
sheet
C-201

MATCHLINE "A" (SEE SHEET C-200)



LEGEND

2240	EXISTING 2' CONTOUR
2240	PROPOSED 2' CONTOUR
- - - - -	PROPOSED LIMIT OF DISTURBED AREA
[Hatched Box]	PROPOSED GRAVEL CONSTRUCTION ENTRANCE
- - - - -	PROPOSED SILT FENCE
[RSO Symbol]	PROPOSED REINFORCED STABILIZED OUTLET
[Gravel Inlet Symbol]	PROPOSED GRAVEL INLET PROTECTION
[Outlet Protection Symbol]	PROPOSED OUTLET PROTECTION
[Swale Symbol]	PROPOSED SWALE
[Water Bar Symbol]	PROPOSED WATER BAR
[Rock Pipe Inlet Symbol]	PROPOSED ROCK PIPE INLET PROTECTION
[Silt Basin Symbol]	PROPOSED NCDOT SILT BASIN
[Slope Matting Symbol]	PROPOSED SLOPE MATTING
[Solid Line]	EXISTING STORM DRAINAGE
[Dashed Line]	PROPOSED STORM DRAINAGE
[Dotted Line]	EXISTING WATER MAIN
[Dash-dot Line]	PROPOSED WATER MAIN
[Long Dash Line]	EXISTING SANITARY SEWER
[Short Dash Line]	PROPOSED SANITARY SEWER



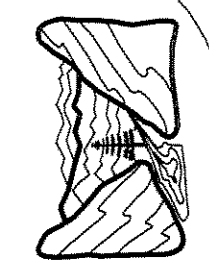
Revisions

3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
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drawn: KHC

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(828) 687-7177
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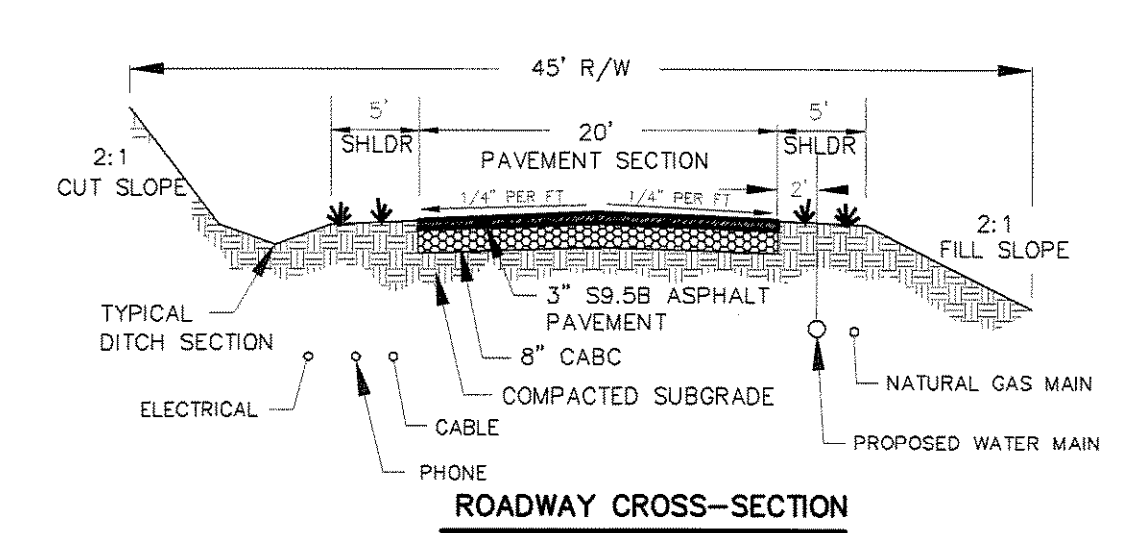
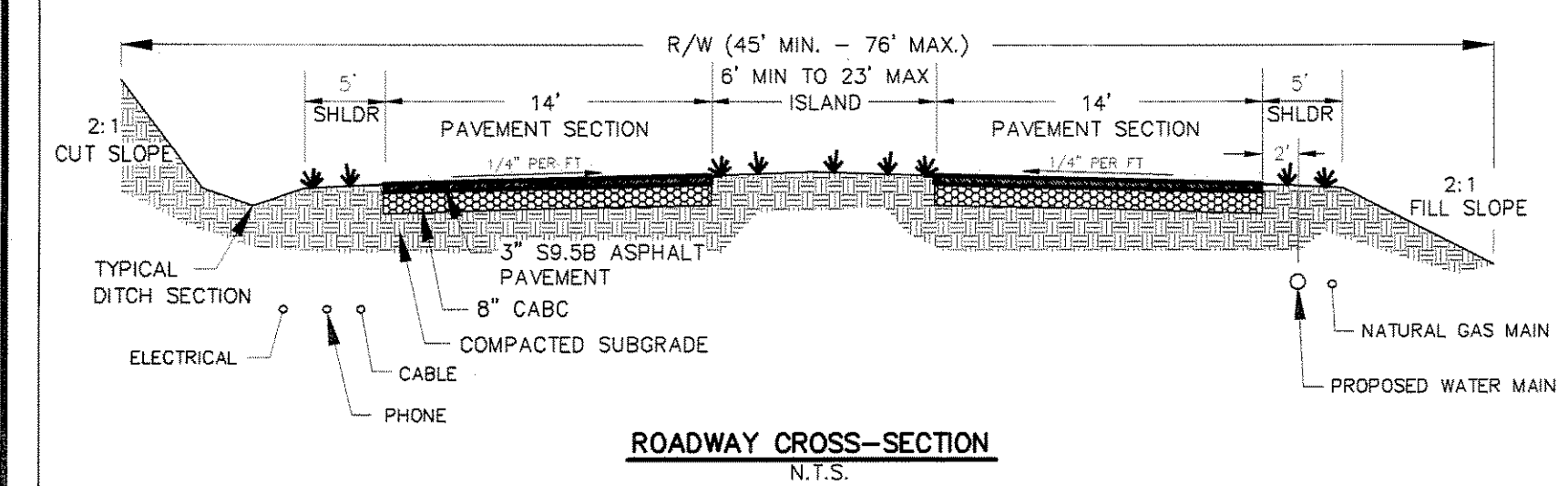
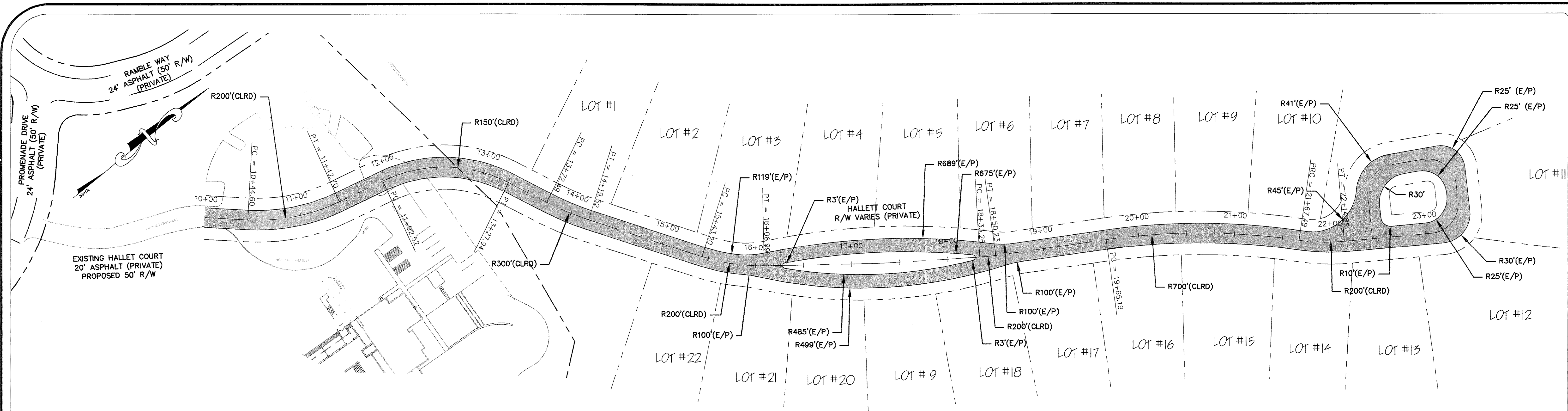


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THE RAMBLE BILTMORE FOREST
 BLOCK "E"
 BUNCOMBE COUNTY
 NORTH CAROLINA

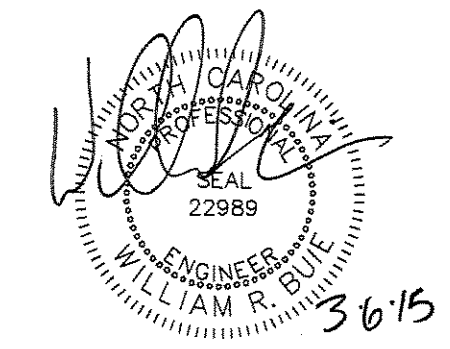
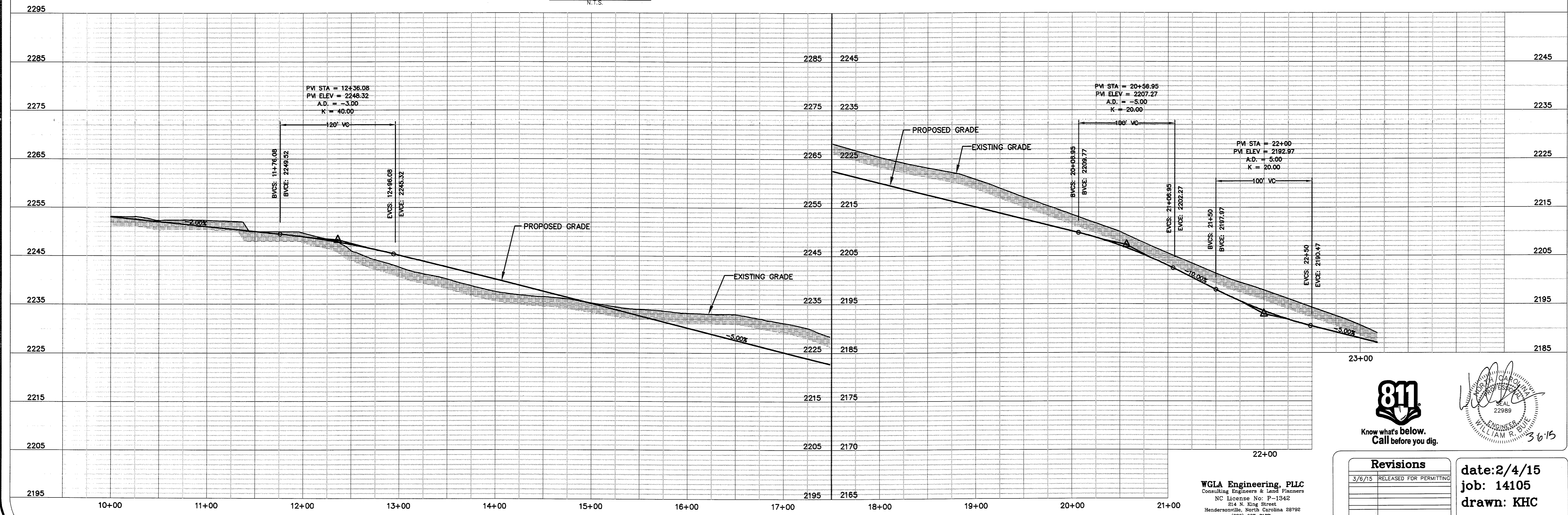
HALLETT COURT
 PLAN & PROFILE

sheet
 C-202



PROPOSED HALLETT COURT

HORIZONTAL SCALE 1"=50'
 VERTICAL SCALE 1"=10'

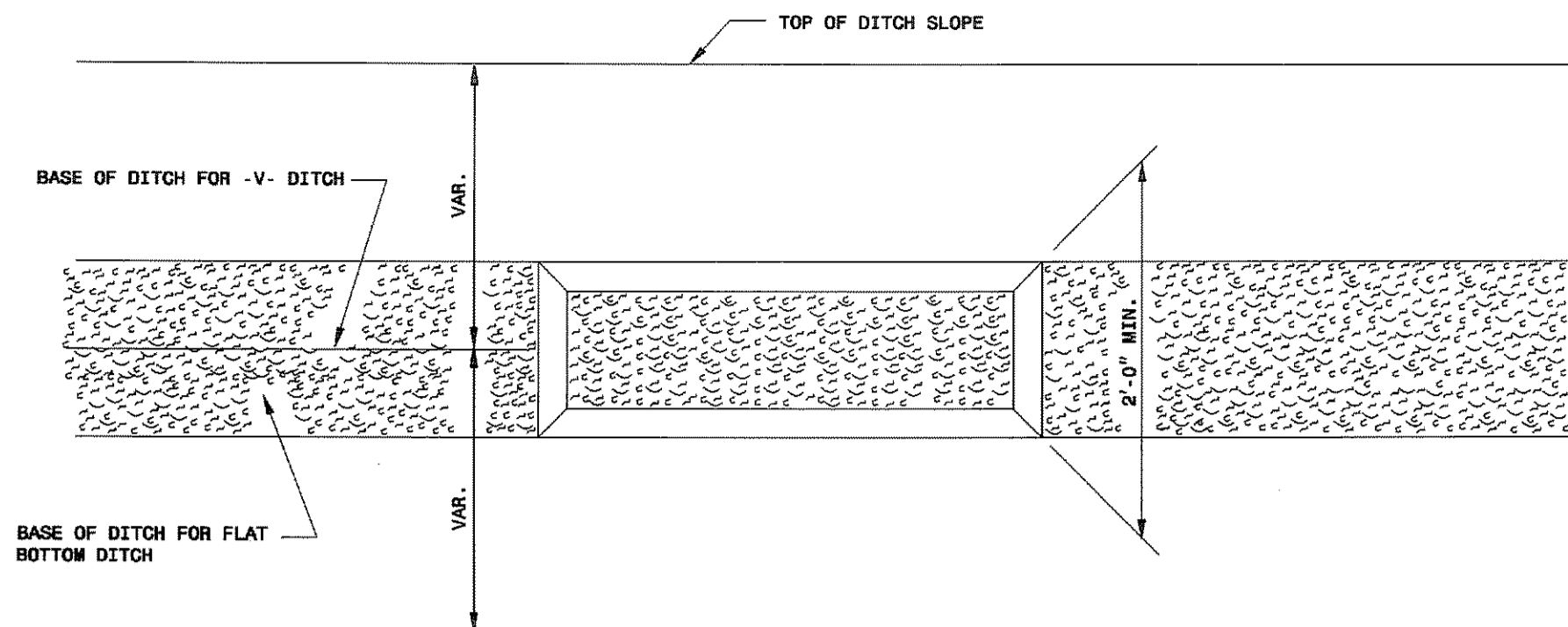


Revisions	
3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
 job: 14105
 drawn: KHC

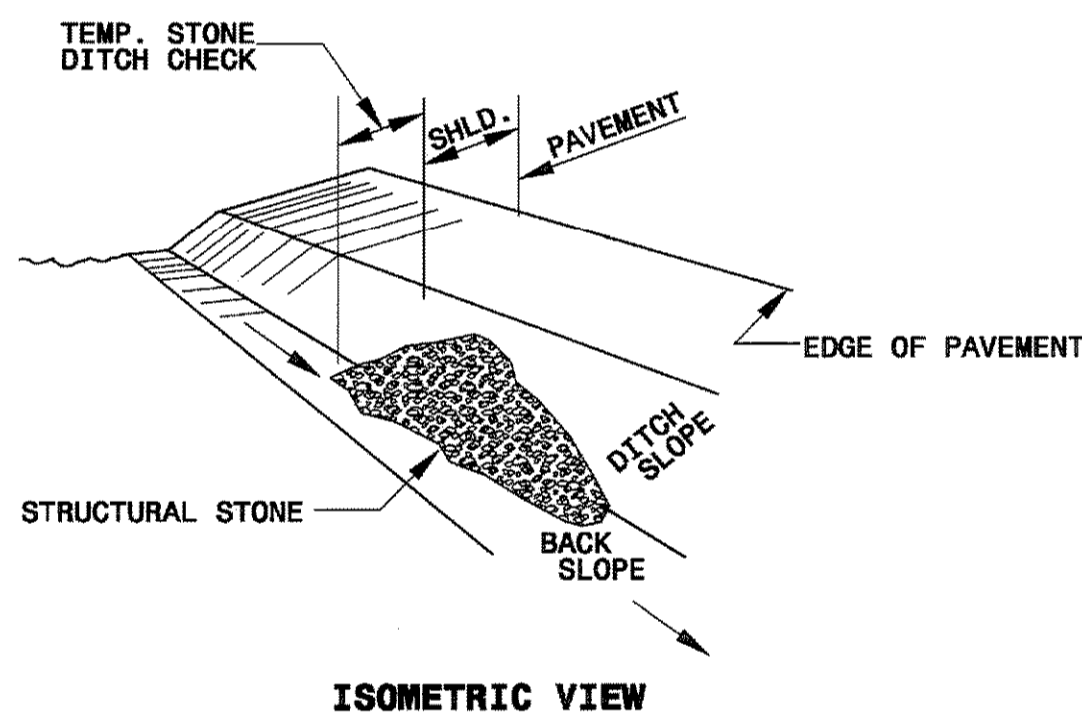
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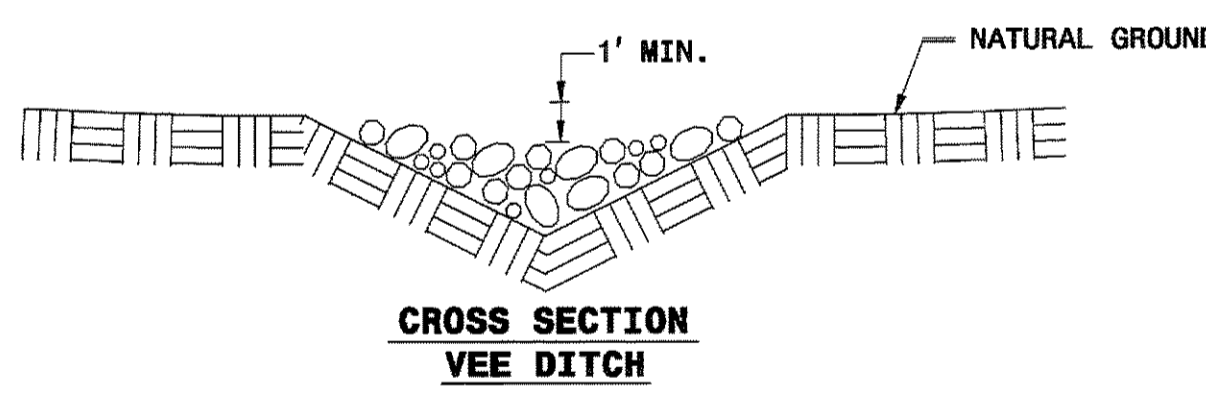
PLAN

ELEVATION

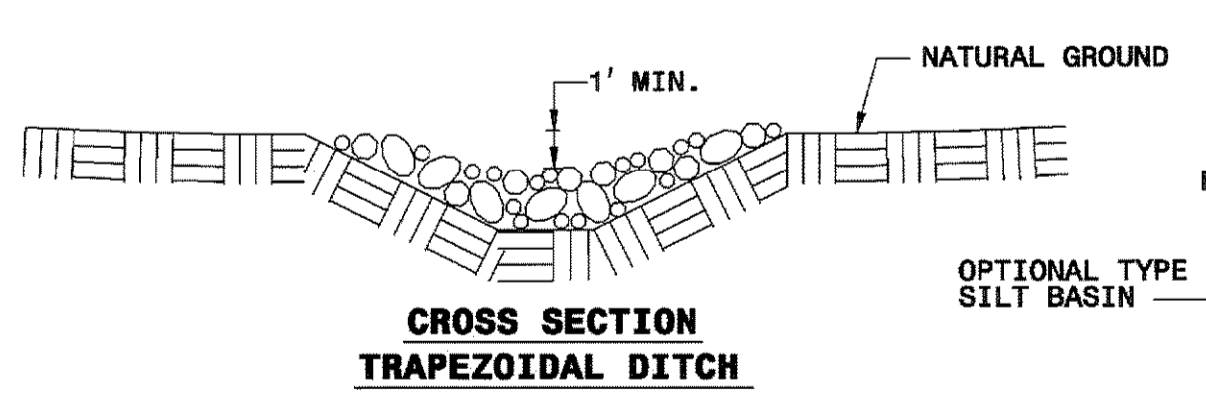


ISOMETRIC VIEW

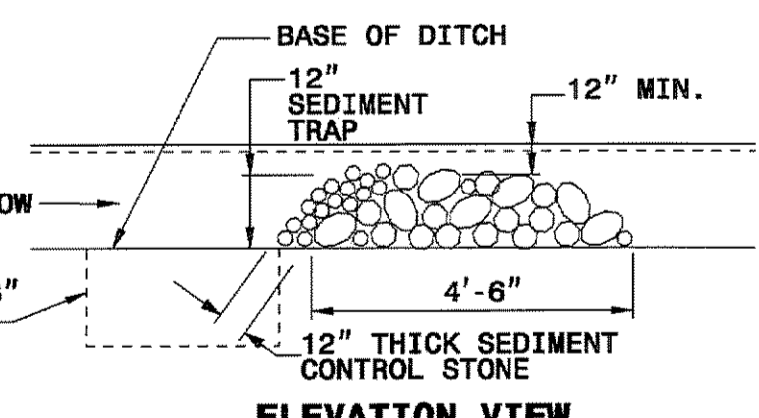
NOTES:
 USE CLASS 'B' EROSION CONTROL STONE FOR STRUCTURAL STONE.
 THE ENGINEER MAY DIRECT THE OPTION OF CLASS "A" STONE FOR SITES HAVING LESS THAN ONE (1) ACRE DRAINAGE AREA AND A DITCH GRADE LESS THAN 3%.
 USE NO. 5 OR NO. 57 STONE FOR SEDIMENT CONTROL. PLACE SEDIMENT CONTROL STONE AS DIRECTED BY THE ENGINEER.



CROSS SECTION VEE DITCH



CROSS SECTION TRAPEZOIDAL DITCH



ELEVATION VIEW

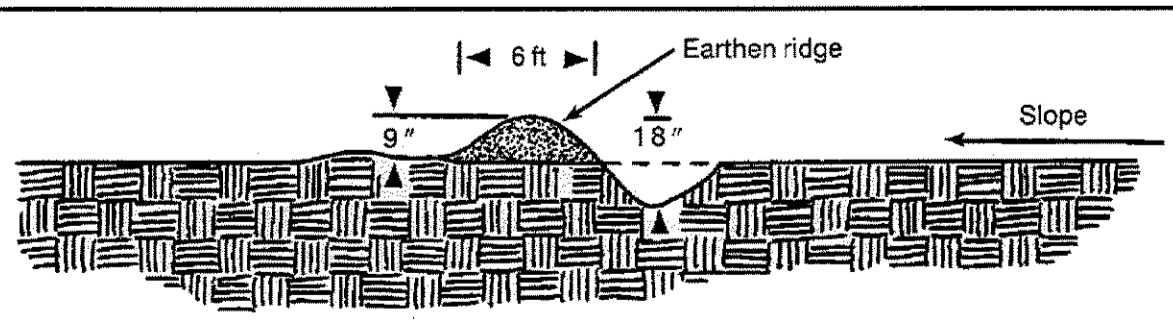


Figure 6.23b Section view of a water bar.

- Construction Specifications**
1. Install the diversion as soon as the right-of-way has been cleared and graded.
 2. Disk the base for the constructed ridge before placing fill.
 3. Track the ridge to compact it to the design cross section.
 4. Locate the outlet on an undisturbed area. Adjust field spacing of the diversion to use the most stable outlet areas. When natural areas are not deemed satisfactory, provide outlet protection (Practices 6.40, *Liner Spreader*, and 6.41, *Outlet Stabilization Structure*).
 5. Immediately seed and match the portions of the diversions not subject to construction traffic. Stabilize with gravel areas to be crossed by vehicles.

WATER BAR NOT TO SCALE

Maintenance Periodically inspect right-of-way diversions for wear and after every heavy rainfall for erosion damage. Immediately remove sediment from the flow area and repair the dike. Check outlet areas and make timely repairs as needed. When permanent road drainage is established and the area above the temporary right-of-way diversions is permanently stabilized, remove the dike and fill the channel to blend with the natural ground, and appropriately stabilize the disturbed area.

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N. C.

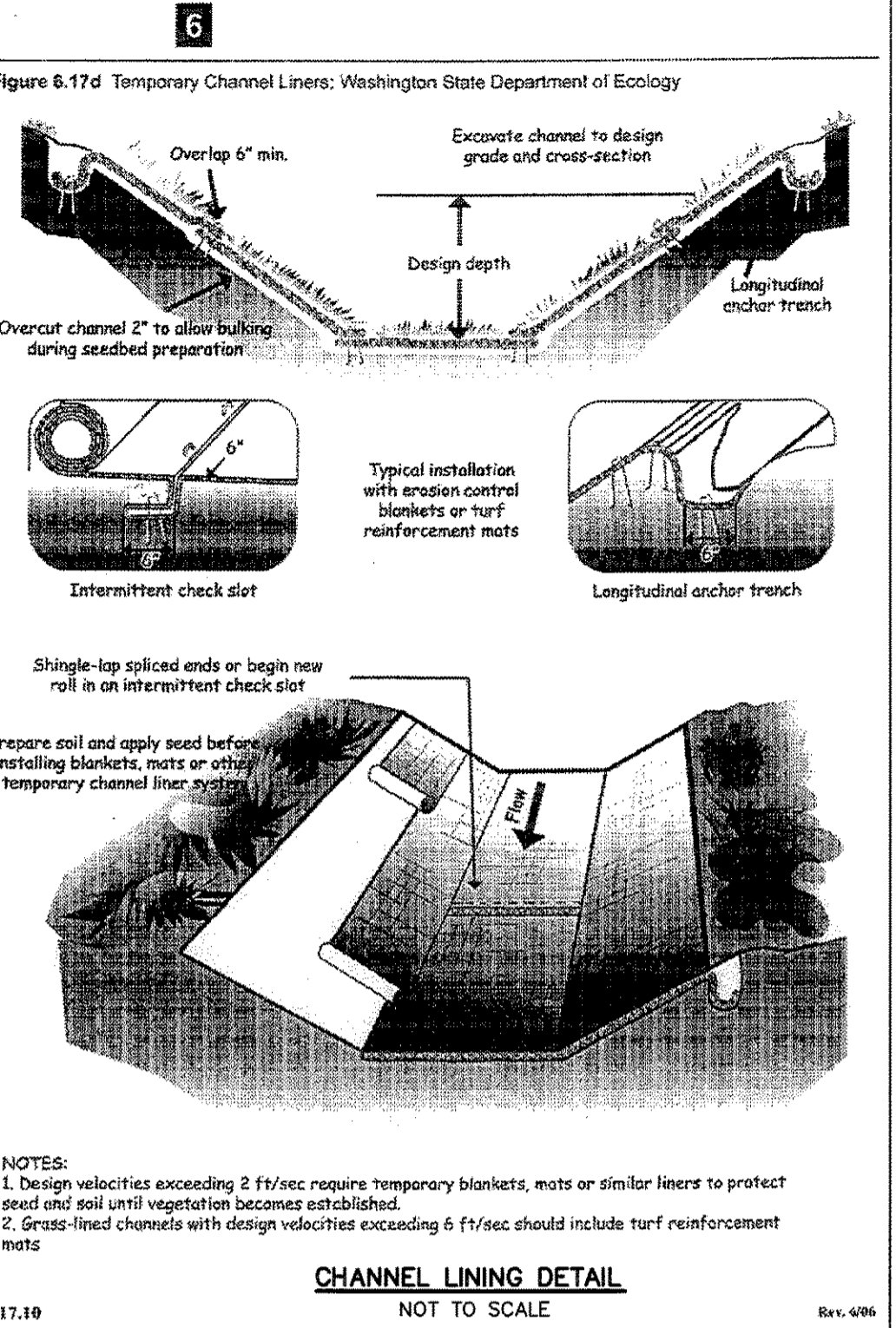
ENGLISH STANDARD DRAWING FOR SILT BASIN TYPE 'B'

SHEET 1 OF 1 1630.02

STATE OF NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N. C.

ENGLISH STANDARD DRAWING FOR TEMPORARY ROCK SILT CHECK TYPE 'B'

SHEET 1 OF 1 1633.02



CHANNEL LINING DETAIL NOT TO SCALE

NOTES:
 1. Design velocities exceeding 2 ft/sec require temporary blankets, mats or similar liners to protect seed and soil until vegetation becomes established.
 2. Grass-lined channels with design velocities exceeding 6 ft/sec should include turf reinforcement mats

GENERAL CONSTRUCTION NOTES

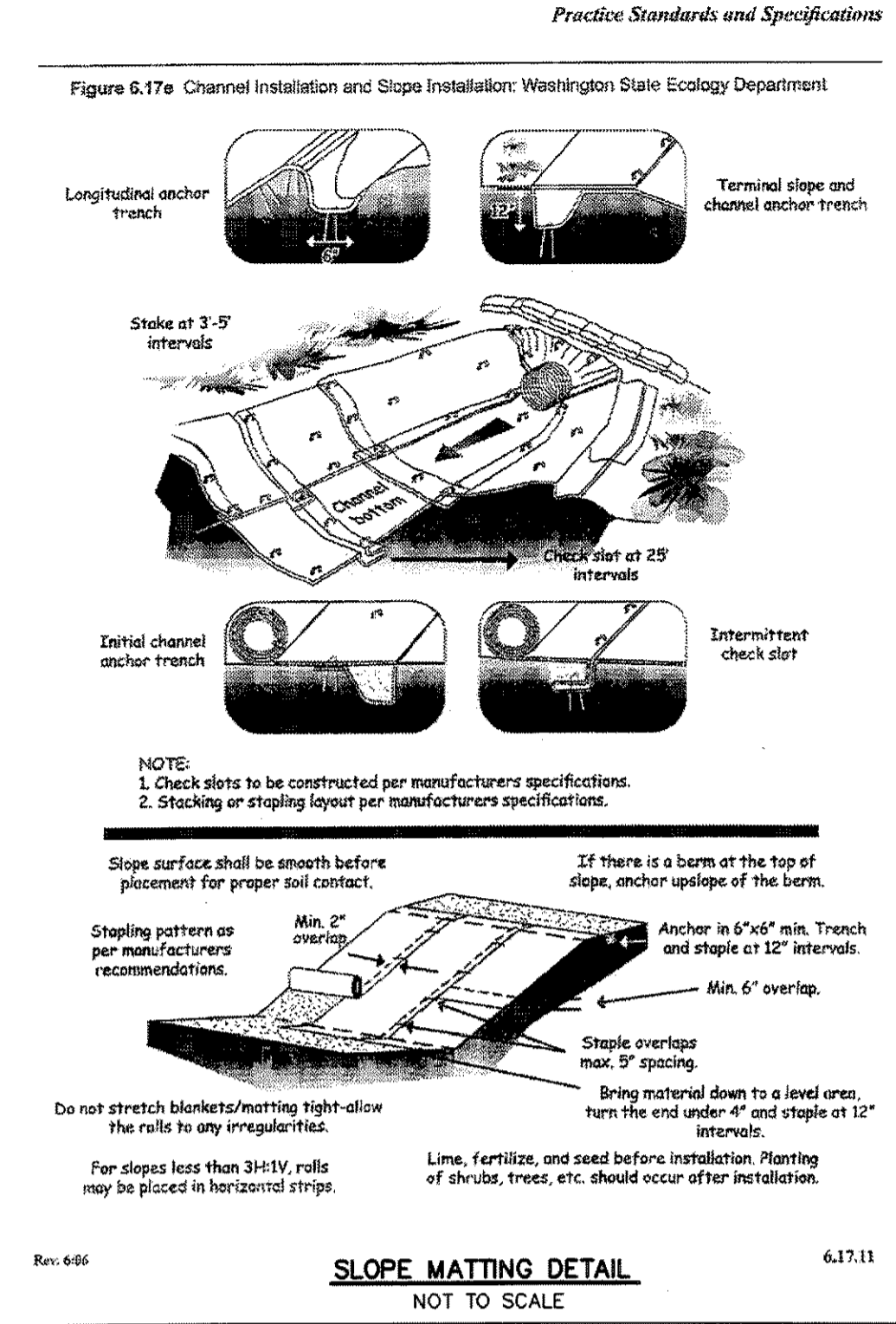
1. All work and construction activities on the project site shall comply with all applicable OSHA regulations and requirements. It is the Contractor's responsibility to maintain a safe work site.
2. The Engineer and Owner reserve the right to modify project work items (including grading) as deemed necessary for the successful completion of the project. The Contractor may suggest adjustments to grading or other work items to be approved by the Engineer or Owner.
3. The Contractor shall comply with the Geotechnical Report for the placement of fill and compaction requirements. If no report is available, the following minimum standards shall apply:
 Placement of fill:
 A. Place the material in successive horizontal layers not exceeding 8" for the full width of the cross section.
 B. Fill shall be placed only when it is within 3% of its optimum moisture content as determined by a Standard Proctor ASTM D 698.
 C. Each layer of fill shall be spread evenly and shall be compacted to its specified density as determined by Standard Proctor ASTM D 698 before new layers are placed and compacted.
 D. Sloped ground surfaces steeper than one vertical to four horizontal, on which fill is to be placed, shall be stepped or benched such that fill material will bond to the existing surfaces.
 E. Embankment slopes shall be constructed by filling one (1) foot beyond the proposed finished slope surface for each lift. Compaction equipment shall work to the edge of each lift. After the entire fill is placed and compacted, the outside foot of the slope shall be trimmed to the design slope with a dozer. Unless indicated on the drawings, no fill slopes shall be steeper than 2 horizontal to 1 vertical.
 Compaction:
 A. Structural Fill Under Buildings and Within 10' of Building Perimeter: 100% of Standard Proctor the entire depth of fill.
 B. Under Walks, Drives, Pads, and Paved Areas: 95% of Standard Proctor except 100% of Standard Proctor in the upper 2".
 C. Under Lawns and Planting Areas Beyond 10' from Building: 95% of Standard Proctor
 D. Backfill in Trenches: Comply with compaction requirements for the area through which the trench runs.
4. All erosion control devices such as silt fences, diversions, sediment traps, etc. shall be maintained in workable conditions for the life of the project and shall be removed at the completion of the project only with the engineer's approval. See the NPDES requirements on this plan sheet for more detail. If during the life of the project a storm causes soil erosion which changes the finished grades or creates gullies and washed areas, these shall be repaired by the Contractor at no extra cost. The Contractor shall adhere to the approved erosion control plan and take any additional measures necessary to prevent sediment from leaving the site.

NPDES REQUIREMENTS
 The contractor should be aware that any project with a disturbed area of greater than one acre must now comply with NPDES requirements for new construction projects. The contractor should obtain a copy of the plan approval and should follow all requirements including but not limited to:

A.) GROUND STABILIZATION

Site Area Description	Stabilization Time Frame	Stabilization Time Frame Exceptions
Perimeter dikes, swales, ditches and slopes	7 Days	None
High Quality Water (HQW) Zones	7 Days	None
Slopes steeper than 3:1	7 Days	If Slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed
Slopes 3:1 or flatter	14 Days	7 days for slopes greater than 50 feet in length
All other areas with slopes flatter than 4:1	14 Days	None (except for perimeters and HQW Zones)

*Extensions of time may be approved by the permitting authority based on weather or other site-specific conditions that make compliance impracticable. (Section 11.2 (2)(b))



SLOPE MATTING DETAIL NOT TO SCALE

NOTES:
 1. Check slots to be constructed per manufacturer's specifications.
 2. Stapling or stapling layout per manufacturer's specifications.

GENERAL CONSTRUCTION NOTES

5. Disposable Materials:
 A. Clearing and grubbing wastes shall be removed from the site and properly disposed of by the contractor at their expense, unless otherwise specified.
 B. Solid wastes to be removed such as sidewalks, curbs, pavement, etc. may be placed in specified disposal areas if permitted by the appropriate agencies and approved by the Owner. This material shall be spread and mixed with dirt eliminating all voids. This material shall have a minimum cover of 2". The Contractor shall maintain specified compaction requirements in these areas. When disposal sites are not provided, the Contractor shall remove this waste from the site and properly dispose of it at their expense.
 C. Abandoned utilities such as culverts, water pipe, hydrants, casting, pipe appurtenances, utility poles, etc. shall be the property of the specified utility agency or company having jurisdiction. Before the Contractor can remove, destroy, salvage, re-use, sell or store for their own use any abandoned utility, they must present to the owner written permission from the utility involved.
 D. Unless otherwise noted on the plans, burning will not be allowed on this project. Should burning be allowed by the owner, it is the Contractor's responsibility to obtain all necessary permits (at their expense) and follow all applicable rules and regulations.
 E. Unless otherwise specified, all base, paving, curbing and other concrete work shall conform to the local municipality or NCDOT specifications for construction. All water and sewer construction shall conform to the local utility requirements and/or the NCDENR minimum standards.
 F. In the event excessive ground water or springs are encountered within the limits of construction, the Contractor shall install necessary underdrains and stone as directed by the Engineer. All work shall be paid based upon the unit prices unless otherwise specified.
 G. The Contractor is responsible for the coordination of adjustment of all utility surface accesses (including manhole covers, valve boxes, etc.) whether he performs the work or the utility company performs the work.
 H. The Contractor shall control all "dust" by periodic watering and shall provide access at all times for property owners within the project and for emergency vehicles. All open ditches and hazardous areas shall be clearly marked in accordance with OSHA regulations.
 I. All areas of exposed soil shall be seeded, fertilized and mulched according to the specifications. The finished surface shall be to grade and smooth, free of all rocks larger than equipment tracks, dirt clods and lumps. Seeding operations shall be completed within 14 days of the completion of the grading operation. The Contractor shall be loosened to a depth of 1-1/2" to accept seed. The Contractor shall comply with seeding operations without first obtaining the Engineer's approval of the graded surface. All seeding shall be performed by a hydro-seeder. The Engineer prior to seeding must approve hand seeding on any area.

B.) INSPECTIONS

1. Placement and upkeep of rain gauge on site that must be monitored throughout the course of the project.
2. The contractor shall keep a log of all rainfall events, erosion control activities, and inspections throughout the course of the project. This log must be kept on site at all times and be available for inspection.
3. The contractor shall inspect all erosion control measures in accordance with the NPDES requirements. A minimum inspection schedule of weekly and with in 24 hours after every significant (1/2 inch or more) rainfall event (obtain copy of the permit for this project for details.)

C.) BUILDING WASTE HANDLING

1. No point or liquid wastes in stream or storm drains.
2. Dedicated areas for demolition, construction and other wastes located 50' from storm drains and streams unless no reasonable alternatives are available.
3. Earthen-material stockpiles located 50' from storm drains unless no reasonable alternative available.
4. Concrete materials must be controlled to avoid contact with surface waters, wetlands, or buffers.

SEEDING SPECIFICATIONS

I. TEMPORARY COVER

A. LIME & FERTILIZER - CONTRACTOR SHALL FURNISH AND APPLY LIME AND FERTILIZER TO THE SOIL AS REQUIRED TO PROVIDE SATISFACTORY CONDITIONS FOR SEED GERMINATION. AN APPLICATION RATE OF 2000 LBS PER ACRE OF GROUND AGRICULTURAL LIME AND 750 LBS/ACRE OF FERTILIZER (10-10-10). THESE MATERIALS SHALL BE SPREAD UNIFORMLY OVER THE AREA TO BE PLANTED. THE SOIL SHALL BE TILLED TO A DEPTH OF 3 - 4 INCHES WITH EQUIPMENT APPROVED BY THE ENGINEER.

B. TEMPORARY COVER SEEDING - CONTRACTOR SHALL SELECT A QUICK GROWING GRASS WITH HIGH SEEDING VIGOR THAT IS SUITED TO THE AREA. THE TIME OF PLANTING, AND THAT WILL NOT INTERFERE WITH PLANTS TO BE SOWN LATER FOR PERMANENT COVER.

MAY THROUGH AUGUST
 SUNDANGRASS 50 LB/AC.
 OR GERMAN MILLET 40 LB/AC.

SEPT. THROUGH APRIL
 RYEGRASS 120 LB/AC.

ALL SEEDS SHALL HAVE BEEN TESTED NOT MORE THAN 6 MONTHS PRIOR TO THE DATE OF SEEDING.

CONTRACTORS SHALL APPLY SEED UNIFORMLY BY HAND, CYCLONE SEEDER, DRILL, CULTIPACKER SEEDER, OR HYDRAULICALLY.

A SLURRY MIXTURE OF WATER, FERTILIZER, SEED, AND CELLULOSE FIBER MULCH IS ACCEPTABLE ON THIS PROJECT.

C. MULCHING - IN ORDER TO REDUCE DAMAGE FROM WATER RUN-OFF AND IMPROVE MOISTURE CONDITIONS FOR SEEDLINGS, A MULCH MATERIAL SHALL BE FURNISHED WHEN TEMPORARY SEEDING IS TO BE DONE. ACCEPTABLE MATERIALS ARE:
 A. DRY UNCHOPPED, UNWEATHERED SMALL GRAIN STRAW OR HAY FREE OF SEEDS OF COMPETING PLANTS - 1-2 TON/ACRE
 B. WOOD FIBER (EXCELSIOR)
 C. WOOD CELLULOSE FIBER - 500 LBS./ACRE WITHOUT STRAW
 D. JUTE MATTING -

II. PERMANENT COVER

A. CONTRACTOR SHALL FURNISH AND APPLY 90 LBS./1000 S.F. OF GROUND AGRICULTURAL LIME (2 TONS PER ACRE), 25 LBS./1000 S.F. OF FERTILIZER (10-10-10) (1000 LBS. PER ACRE), AND 2.3 LBS./1000 S.F. KENTUCKY 31 TALL FESCUE (100 LBS. PER ACRE) IN THE MANNER DESCRIBED ABOVE IN PARTS 1.2 & 3. APPLY NURSE CROP AS FOLLOWS:
 MAY 1 - AUG. 15 - 10 LBS./AC. GERMAN MILLET OR 15 LBS./AC. SUNDANGRASS
 AUG 15 - MAY 1 - 40 LBS./AC. RYE (GRAIN)

B. SEEDING DATES: KY:31 TALL FESCUE
 AUG. 20 - SEPT. 15 (BELOW 2500' ELEVATION)
 MARCH 1 - MAY 1 (ABOVE 2500' ELEVATION)

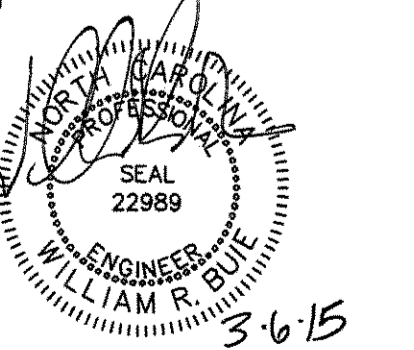
JULY 15 - AUG. 30 (ABOVE 2500' ELEVATION)
 MARCH 5 - MAY 15 (ABOVE 2500' ELEVATION)

C. MULCHING
 APPLY 4,000 LB PER ACRE OF GRAIN STRAW SUITABLY TACKED DOWN.
 ADD NETTING TO STEEP SLOPES AND STAPLE PER MANUFACTURERS RECOMMENDATIONS.

NCDENR Self Inspection Program for Erosion and Sedimentation Control

Effective October 1, 2010, persons conducting land disturbing activities larger than one acre must inspect their project at each phase of the project, and document the inspection in writing.

1. The financially responsible party, landowner or their agent may conduct the inspection.
2. Alteration and sedimentation control measures, including sediment control basins, sedimentation ponds, rock dams, temporary diversions, temporary slope drains, sodification fence or barriers, all forms of inlet protection, storm drainage facilities, energy dissipaters, and stabilization methods of open channels must be inspected.
3. The need for ground cover should also be checked. Temporary or permanent ground cover must be provided on exposed graded slopes and fills within 21 calendar days of the completion of a phase of grading. Permanent ground cover must be provided within 15 working days or 90 calendar days (60 days in HQW zones), whichever term is shorter, upon the completion of construction or development.
4. The actual dimensions (length and width) of the basins have to be checked, usually with a tape measure, and compared to the dimensions on the approved plan. Only relative elevations, comparing the bottom and top elevations are necessary.
5. A significant deviation means an omission, alteration or relocation of an erosion or sedimentation control measure that prevents the measure from performing as intended. If the approved erosion and sedimentation control plan cannot be followed, a revised plan should be submitted for review.
6. Use the form Self-Inspection Report for Land Disturbing Activity as Required by NCGS 143A - 54.1. It can be completed by hand or completed as an Excel spreadsheet. An alternative is to make notations on the copy of the approved erosion and sedimentation control plan that is kept on the project site. Rule 15A NCGS 04B 013 states that: "documentation shall be accomplished by labeling and dating each measure or practice shown on a copy of the approved erosion and sedimentation control plan or by completing, dating and signing an inspection report that lists each measure, practice or device shown on the approved erosion and sedimentation control plan."
7. NPDES Self-Monitoring Report may only be used to report that the maintenance and repair requirements for all temporary and permanent erosion and sedimentation control measures, practices and devices have been performed.
8. Unlike the NPDES Self-Monitoring Report, the Self-Inspection Report for Land Disturbing Activity does not have to be weekly. Rather, this report is completed after each phase of the approved erosion and sedimentation control plan is complete. Not every project will have all the possible phases, but the list of phases includes the following:
 Installation of perimeter erosion and sediment control measures;
 Clearing and grubbing of existing ground cover;
 Completion of any phase of grading of slopes or fills;
 Installation of storm drainage facilities;
 Completion of construction or development;
 Establishment of permanent ground cover sufficient to restrain erosion.
9. Do not mail the report. The records must be made available to the erosion control inspector at the site. Any documentation of inspections that occur on a copy of the approved erosion and sedimentation control plan shall occur on a single copy of the plan and that plan shall be made available on the site. Any inspection reports shall also be made available on the site.



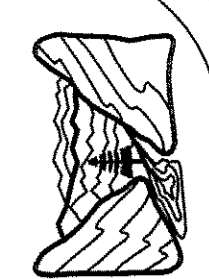
Know what's below. Call before you dig.

Revisions

3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
 job: 14105
 drawn: KHC

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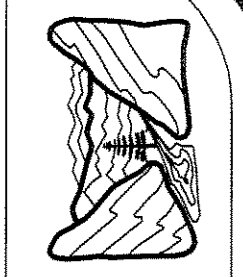


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RAMBLE BILTMORE FOREST
 BLOCK "E"
 BUNCOMBE COUNTY
 NORTH CAROLINA

GRADING & EROSION CONTROL DETAILS

sheet C-204

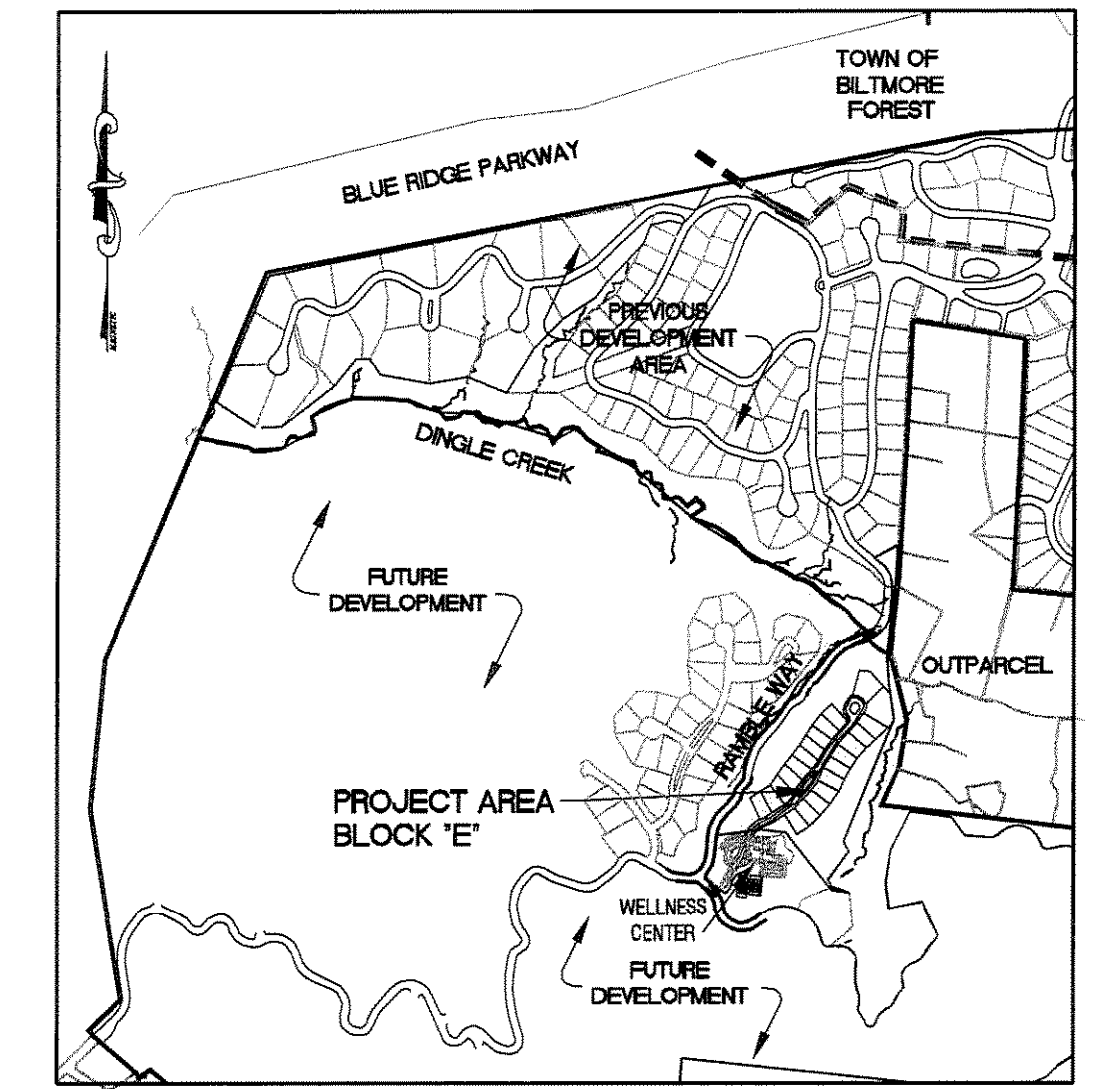


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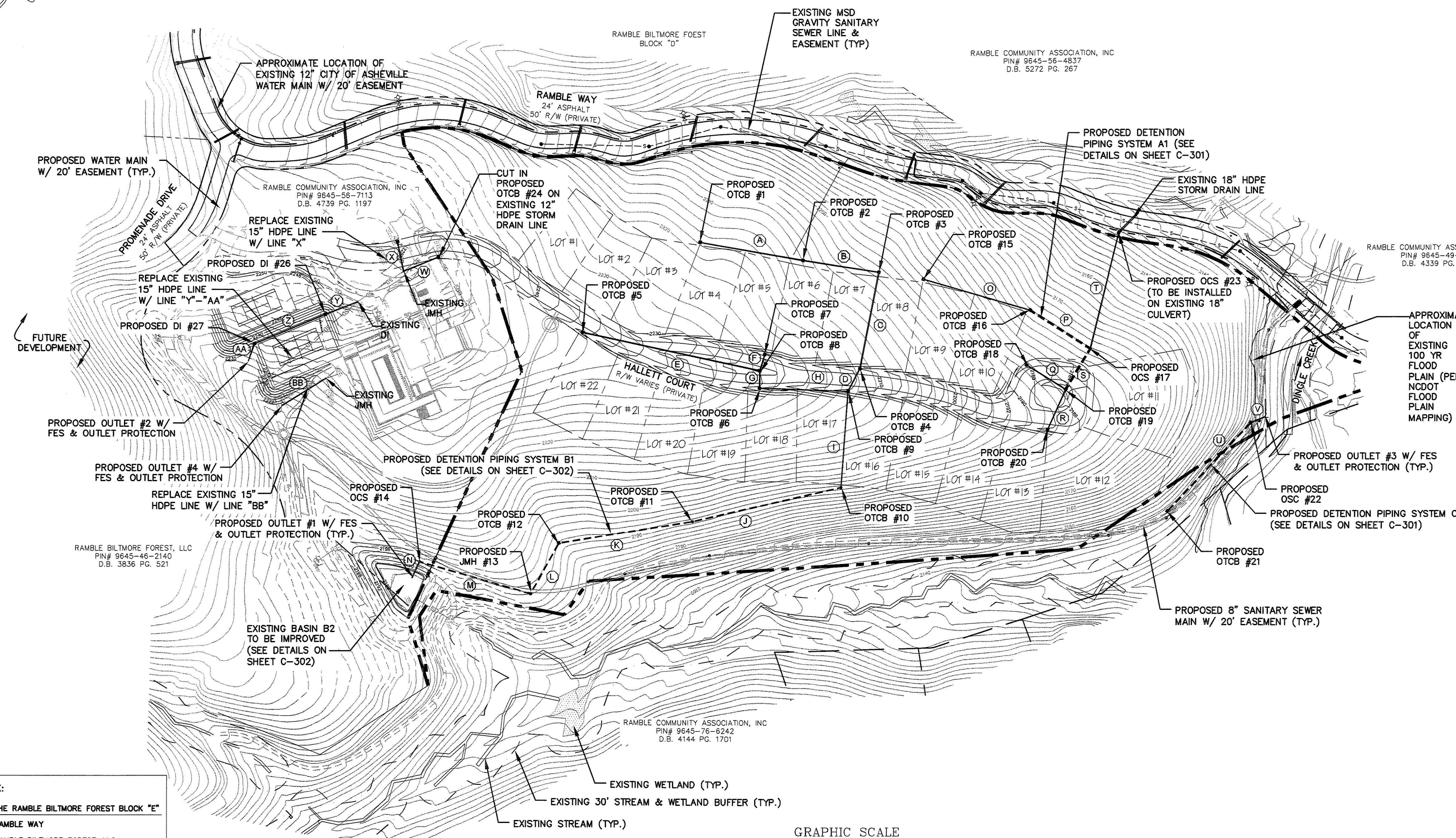
THE RAMBLE BILTMORE FOREST BLOCK "E"
 BUNCOMBE COUNTY
 NORTH CAROLINA

STORM DRAINAGE PLAN

sheet
C-300



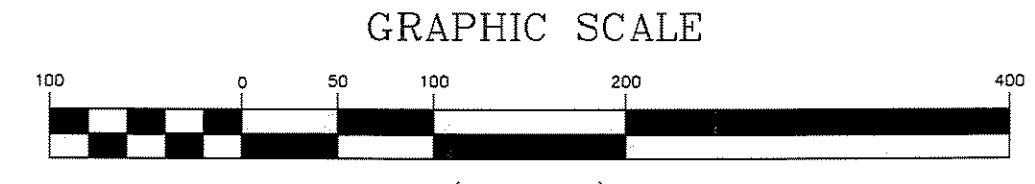
LOCATION MAP
 NOT TO SCALE



LEGEND

- EXISTING 2' CONTOUR
- PROPOSED 2' CONTOUR
- EXISTING STORM DRAINAGE PIPING
- PROPOSED STORM DRAINAGE PIPING
- PROPOSED DETENTION PIPING
- EXISTING STORM DRAINAGE STRUCTURE
- PROPOSED STORM DRAINAGE STRUCTURE
- EXISTING WATER SYSTEM
- PROPOSED WATER SYSTEM
- EXISTING SANITARY SEWER SYSTEM
- PROPOSED SANITARY SEWER SYSTEM

- NOTES:**
- 2' CONTOUR INTERVAL.
 - ALL EXISTING DRAINAGE INLETS SHALL BE PROVIDED WITH GRAVEL INLET PROTECTION AS DETAILED ON SHEET C-203.
 - ALL STORM DRAINAGE PIPE SHALL BE HDPE SMOOTH WALL INTERIOR, BELL AND SPIGOT, SOIL TIGHT JOINTS, UNLESS OTHERWISE SPECIFIED ON PLANS.
 - CONTRACTOR SHALL ENSURE ALL EXISTING AND PROPOSED STORM DRAINAGE STRUCTURES, PIPES AND GRADES WILL PROVIDE POSITIVE DRAINAGE TO STRUCTURES PRIOR TO INSTALLATION.
 - ALL PROPOSED CONTOURS AND SPOT ELEVATIONS ARE TO FINISHED GRADE.
 - ALL DRAINAGE STRUCTURES THAT ARE GREATER THAN 4' IN DEPTH SHALL HAVE ACCESS STEPS INSTALLED 16" ON CENTER.
 - SEE SHEETS C-301 & C-302 FOR ADDITIONAL DETAILS ON OCS STRUCTURES.



STRUCTURE TABLE

STRUCTURE	TOP ELEV.	INV. ELEV.	DEPTH	TYPE
1	2216.50	2213.50	3.00	OTCB
2	2209.00	2206.00	3.00	OTCB
3	2199.00	2196.00	3.00	OTCB
4	2210.00	2185.18	14.82	OTCB
5	2233.50	2228.50	5.00	OTCB
6	2218.00	2213.00	5.00	OTCB
7	2218.00	2214.00	4.00	OTCB
8	2218.50	2213.50	5.00	OTCB
9	2211.00	2184.97	16.03	OTCB
10	2192.00	2187.00	4.91	OTCB
11	2190.00	2186.45	3.55	OTCB
12	2191.00	2185.88	5.12	OTCB
13	2192.00	2185.64	6.36	JMH
14	2195.00	2185.16	9.84	OCS *
15	2193.00	2190.00	3.00	OTCB
16	2125.00	2188.30	6.70	OTCB
17	2176.50	2168.00	8.50	OCS *
18	2187.00	2184.00	3.00	OTCB
19	2183.00	2168.20	14.80	OTCB
20	2187.50	2180.00	7.50	OTCB
21	2135.00	2124.50	10.50	OTCB
22	2127.00	2123.50	3.50	OCS *
23	2159.23	2136.23	3.00	OTCB
24	2247.00	2240.17	6.83	OTCB
25	2248.25	2245.25	3.00	OTCB
26	2234.00	2229.00	5.00	DI
27	2234.00	2228.25	5.75	DI

PIPING CHART

SEGMENT	FROM	TO	LENGTH (LF)	SIZE (Ø)	SLOPE (%)	MATERIAL
A	1	2	174	18"	4.31	HDPE
B	2	3	128	18"	7.81	HDPE
C	3	4	164	18"	0.50	HDPE
D	4	5	42	18"	0.50	HDPE
E	5	6	359	18"	3.02	HDPE
F	6	7	29	18"	1.72	HDPE
G	7	8	29	18"	1.72	HDPE
H	8	9	167	18"	10.80	HDPE
I	9	10	161	18"	4.89	HDPE
J	10	11	254	30"	0.25	HDPE (WT)
K	11	12	226	30"	0.25	HDPE (WT)
L	12	13	96	30"	0.25	HDPE (WT)
M	13	14	193	30"	0.25	HDPE (WT)
N	14	15	30	30"	0.53	HDPE
O	15	16	186	18"	11.67	HDPE
P	16	17	120	48"	0.25	HDPE (WT)
Q	18	19	77	18"	20.52	HDPE
R	20	19	73	18"	16.16	HDPE
S	19	17	80	48"	0.25	HDPE (WT)
T	17	23	199	18"	15.96	HDPE
U	21	22	200	30"	0.50	HDPE (WT)
V	22	27	27	24"	0.52	HDPE
W	24	EX. JMH	63	15"	2.02	HDPE
X	25	EX. JMH	50	15"	0.50	HDPE
Y	EX. DI	26	58	15"	13.13	HDPE
Z	26	27	128	15"	0.59	HDPE
AA	27	OUTLET #2	31	15"	0.81	HDPE
BB	EX. JMH	OUTLET #3	86	15"	8.60	HDPE

OUTLET CHART

OUTLET	INV. ELEV.	END TREATMENT
1	2185.00	FES & OUTLET PROTECTION
2	2123.36	FES & OUTLET PROTECTION
3	2123.36	FES & OUTLET PROTECTION
4	2219.00	FES & OUTLET PROTECTION

DEVELOPMENT BLOCK:

PROJECT NAME: THE RAMBLE BILTMORE FOREST BLOCK "E"

PROJECT ADDRESS: RAMBLE WAY

OWNER/DEVELOPER: RAMBLE BILTMORE FOREST, LLC
 ONE TOWN SQUARE BLVD, SUITE 330
 ASHEVILLE, NC 28803
 (828) 209-2000

CONTACT PERSON: LEE THOMASON
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ENGINEER: WILLIAM R. BUIE, P.E.
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 HENDERSONVILLE, NC 28792
 (828) 687-7177

PIN # 9645-46-1075

TOTAL PROPERTY SIZE: 19.47± AC.

TOTAL # OF PROPOSED LOTS: 22 LOTS

DENSITY: 1 LOT / 0.885± AC.

PROPOSED ROAD: 1,350 LF±

CORRIDOR 90' OR LESS: 1,150 LF (85.2%)

CORRIDOR 91' TO 135': 200 LF (14.8%)

MAX. CORRIDOR HEIGHT: 4±'

DEED REF: D.B. 3836 PG. 0521

ZONING: R-1 (BUNCOMBE COUNTY)

TOWNSHIP: LOWER HOMINY CREEK

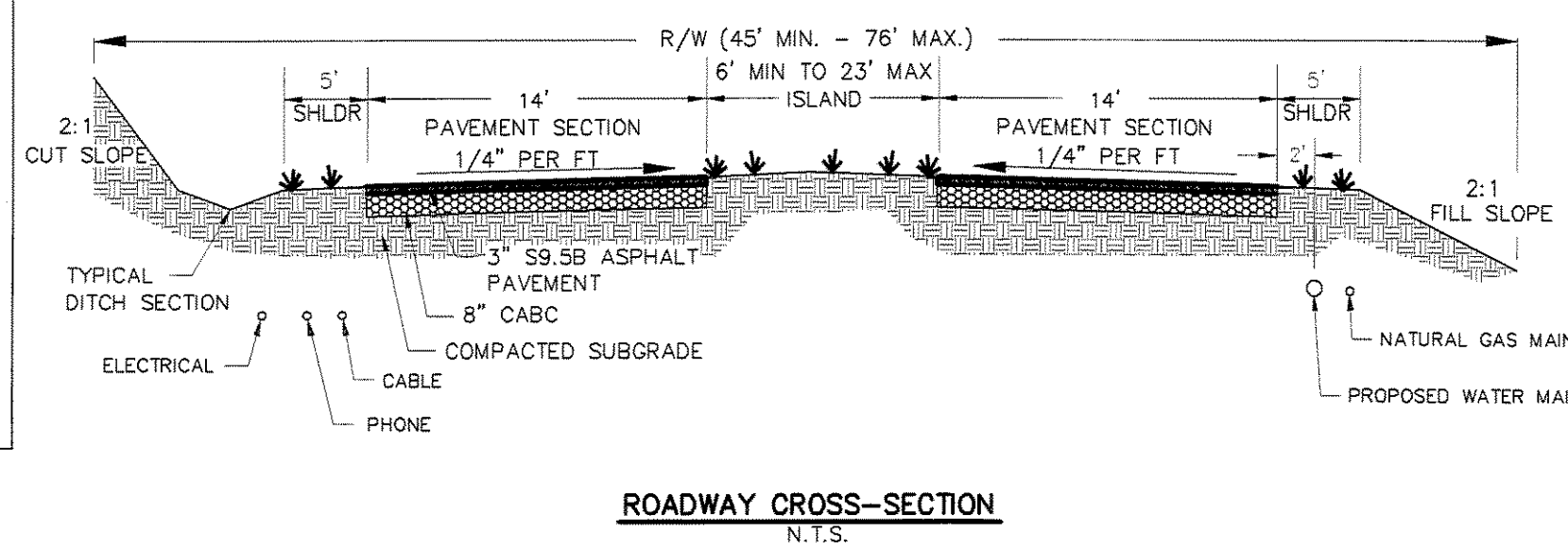
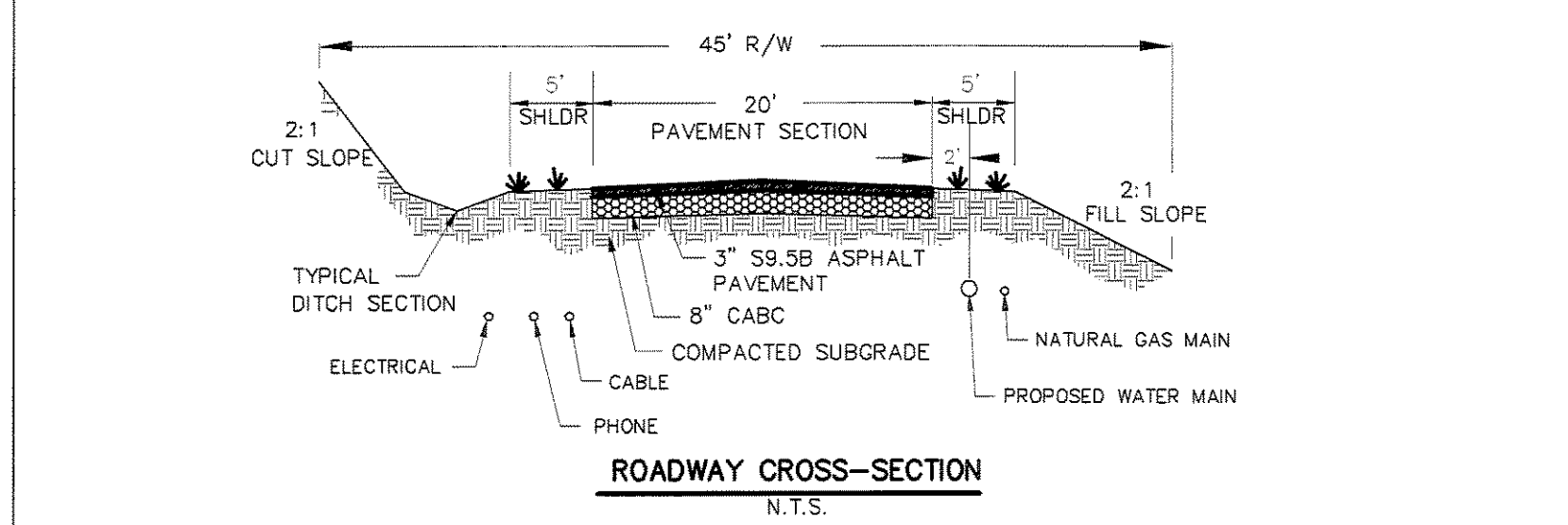
BUILDING SETBACKS: REQUIRED

FRONT - 20' (from ROW)

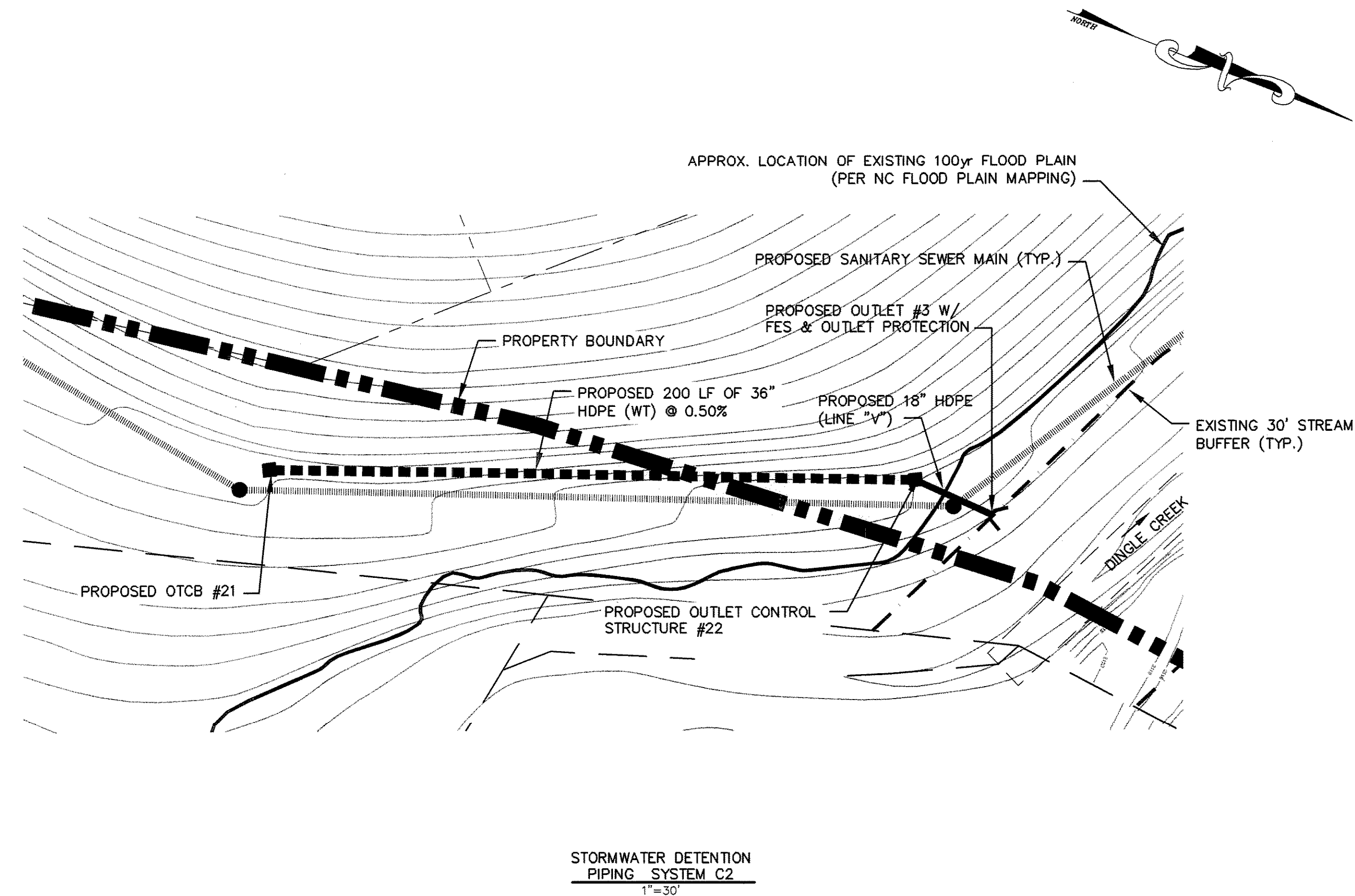
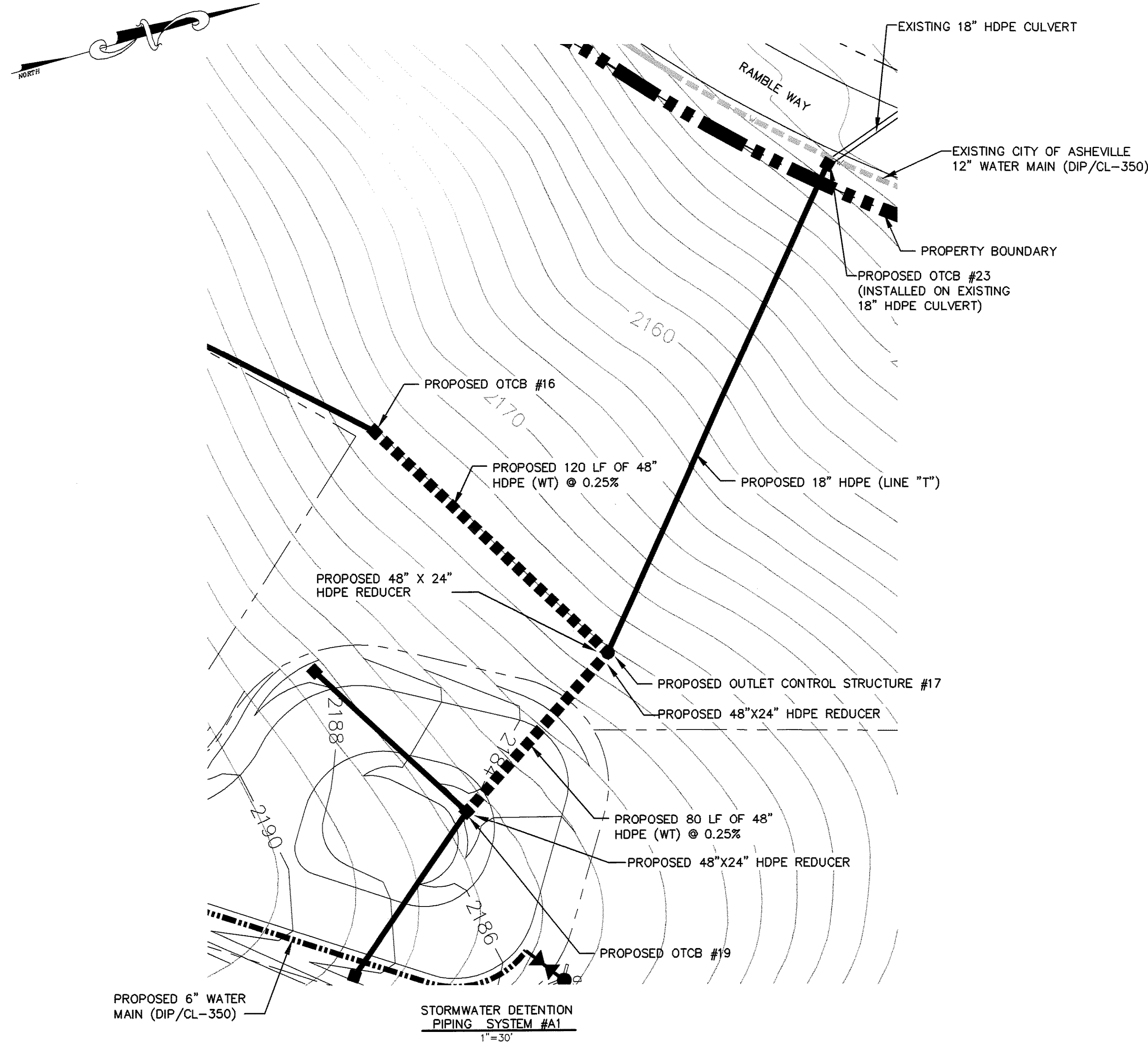
SIDE - 10'

REAR - 20'

* CORRIDOR SECTION GREATER THAN 90' IS DUE TO DIVIDED ROADWAY DESIGN & NOT TO TOPOGRAPHY.

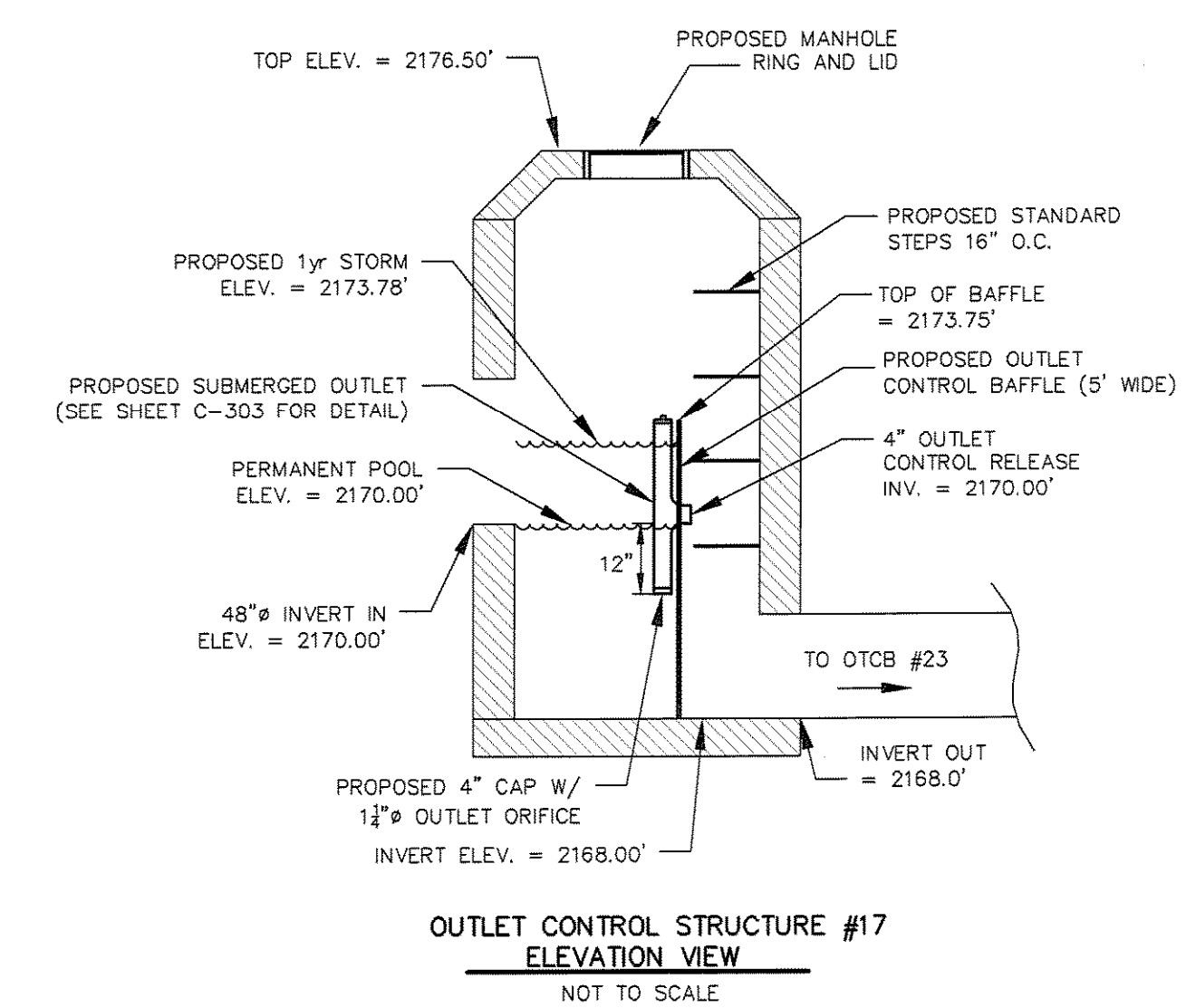


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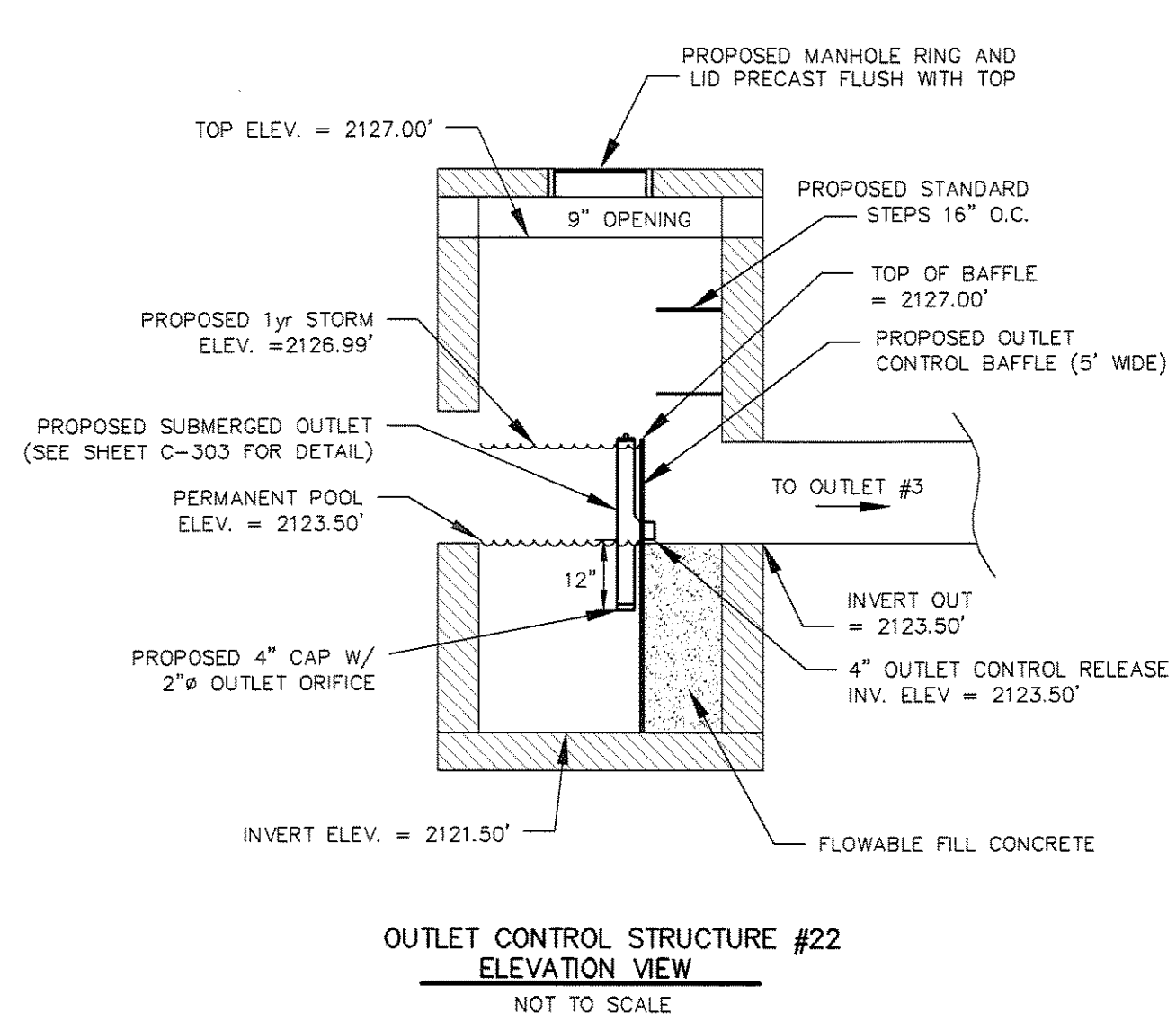


STORMWATER DETENTION
PIPING SYSTEM #A1
1"=30'

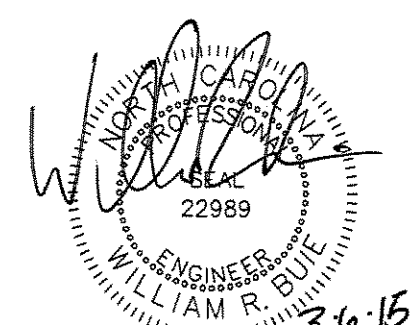
STORMWATER DETENTION
PIPING SYSTEM C2
1"=30'



NOTE: OUTLET CONTROL STRUCTURE #17
SHALL BE A MIN OF 5' MANHOLE.



NOTE: OUTLET CONTROL STRUCTURE #22 SHALL BE A MIN OF 5'X3' PRECAST CONCRETE BOX

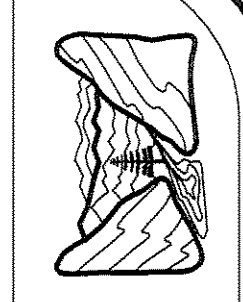


Revisions	
3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
job: 14105
drawn: TWT

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Consulting Engineers & Land Planners
NC License No. P-1342
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Hendersonville, North Carolina 28792
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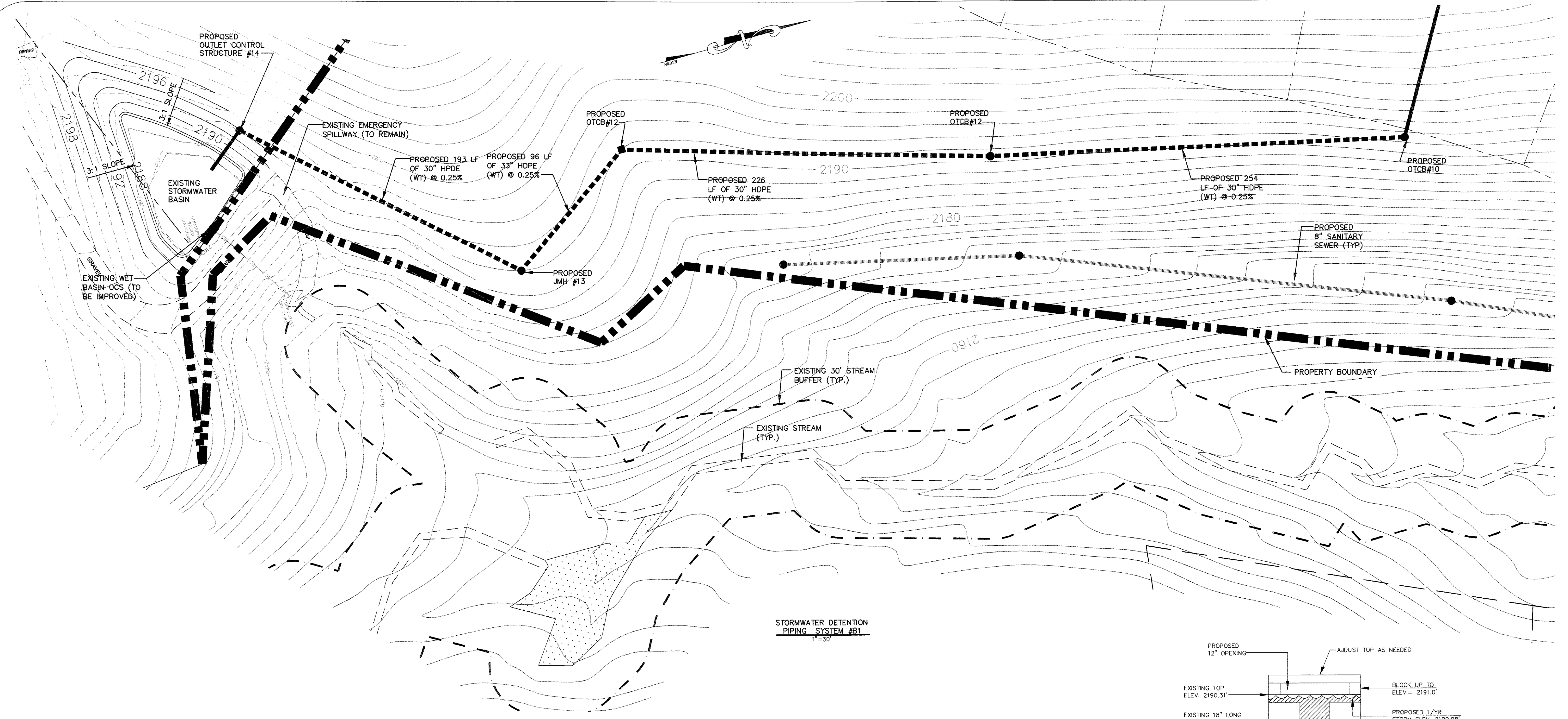
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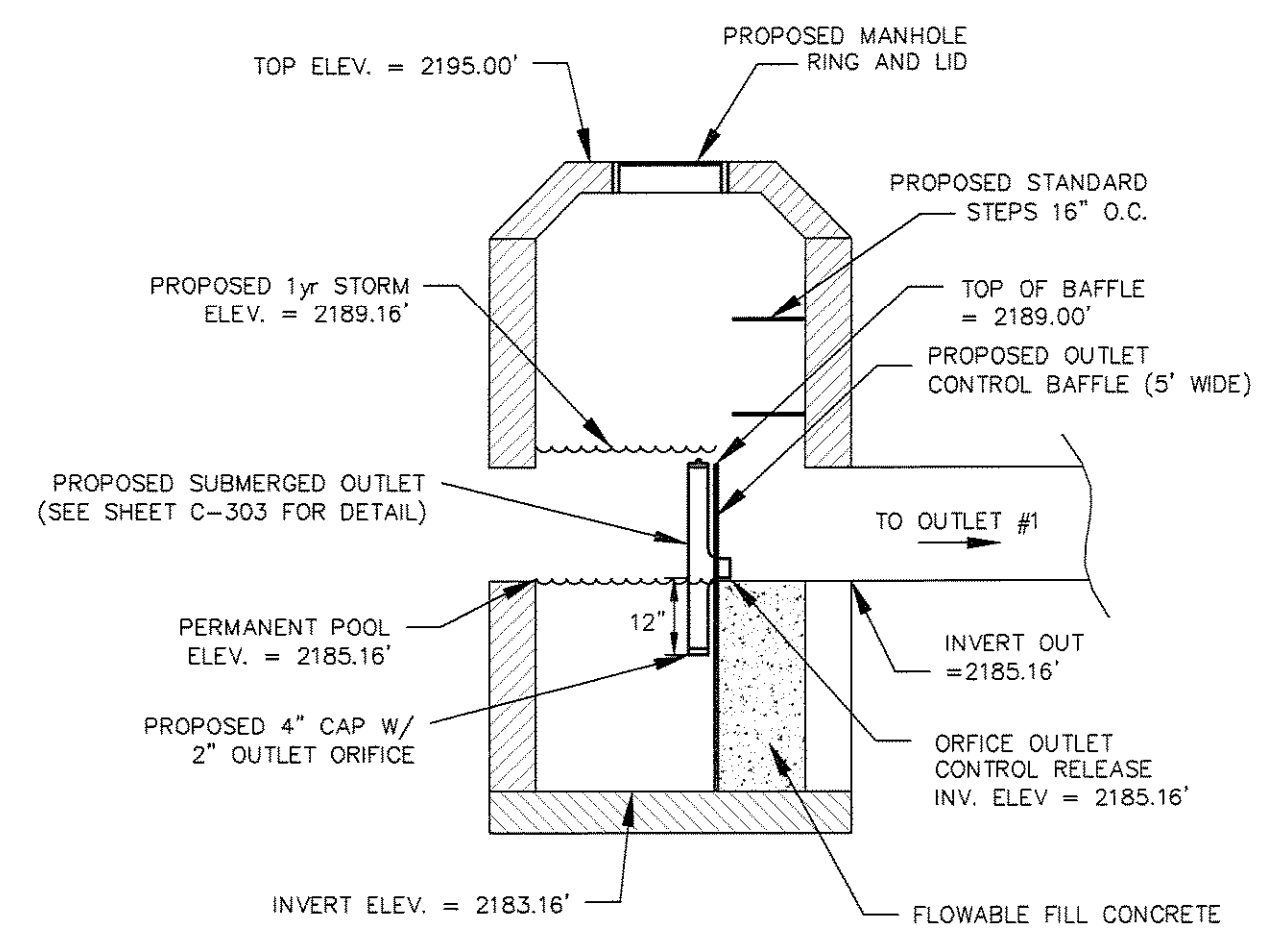
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 HENDERSONVILLE, NORTH CAROLINA

THE RAMBLE BILTMORE FOREST
 BLOCK "E"
 BUNCOMBE COUNTY
 NORTH CAROLINA

STORM DRAINAGE DETAILS

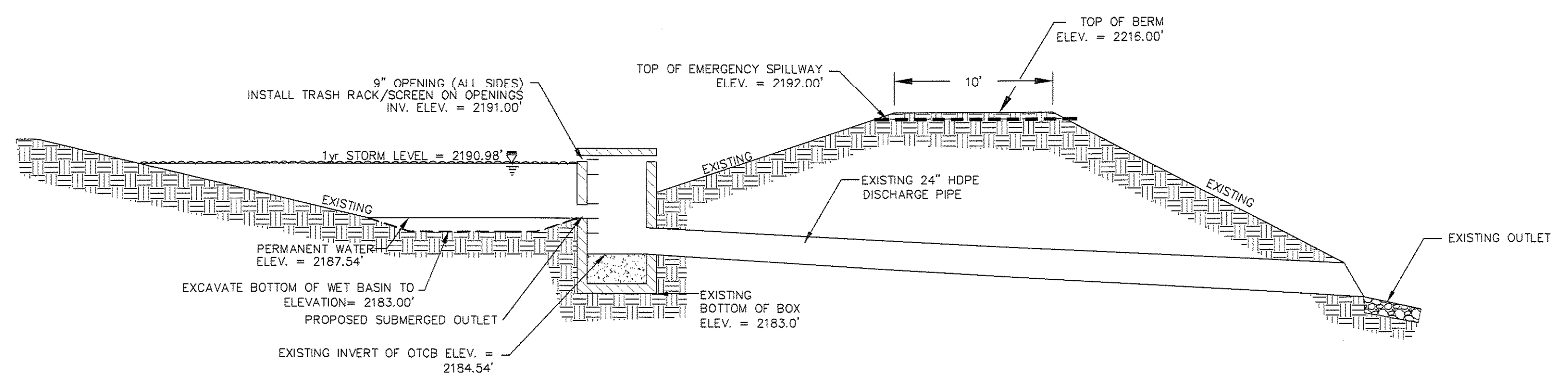


STORMWATER DETENTION
 PIPING SYSTEM #B1
 1"=30'



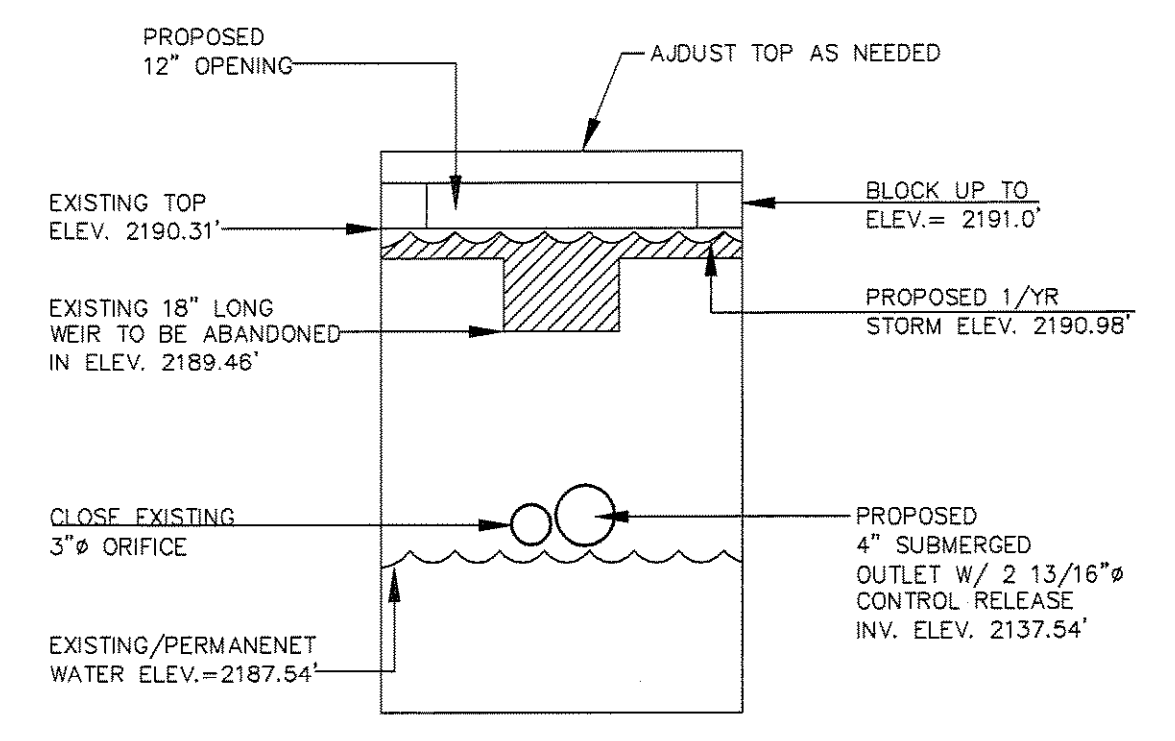
OUTLET CONTROL STRUCTURE #14
 ELEVATION VIEW
 NOT TO SCALE

NOTE: OUTLET CONTROL STRUCTURE #14
 SHALL BE A MIN OF 5' MANHOLE.



EXISTING BASIN SECTION
 NOT TO SCALE

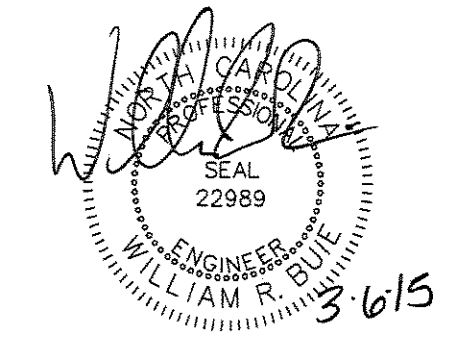
NOTE:
 CONTRACTOR SHALL NOT DISTURB EXISTING BASIN
 EMBANKMENT OR EMERGENCY SPILLWAY



EXISTING WET BASIN OCS
 NOT TO SCALE



Know what's below.
 Call before you dig.



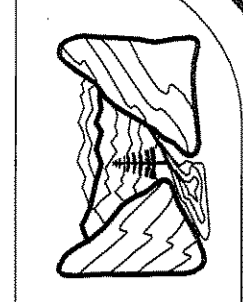
Revisions	
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date: 2/4/15
 job: 14105
 drawn: TWT

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 C-302

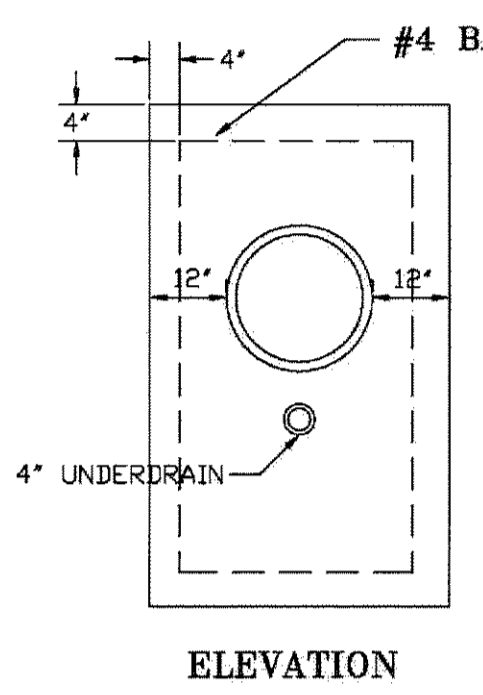
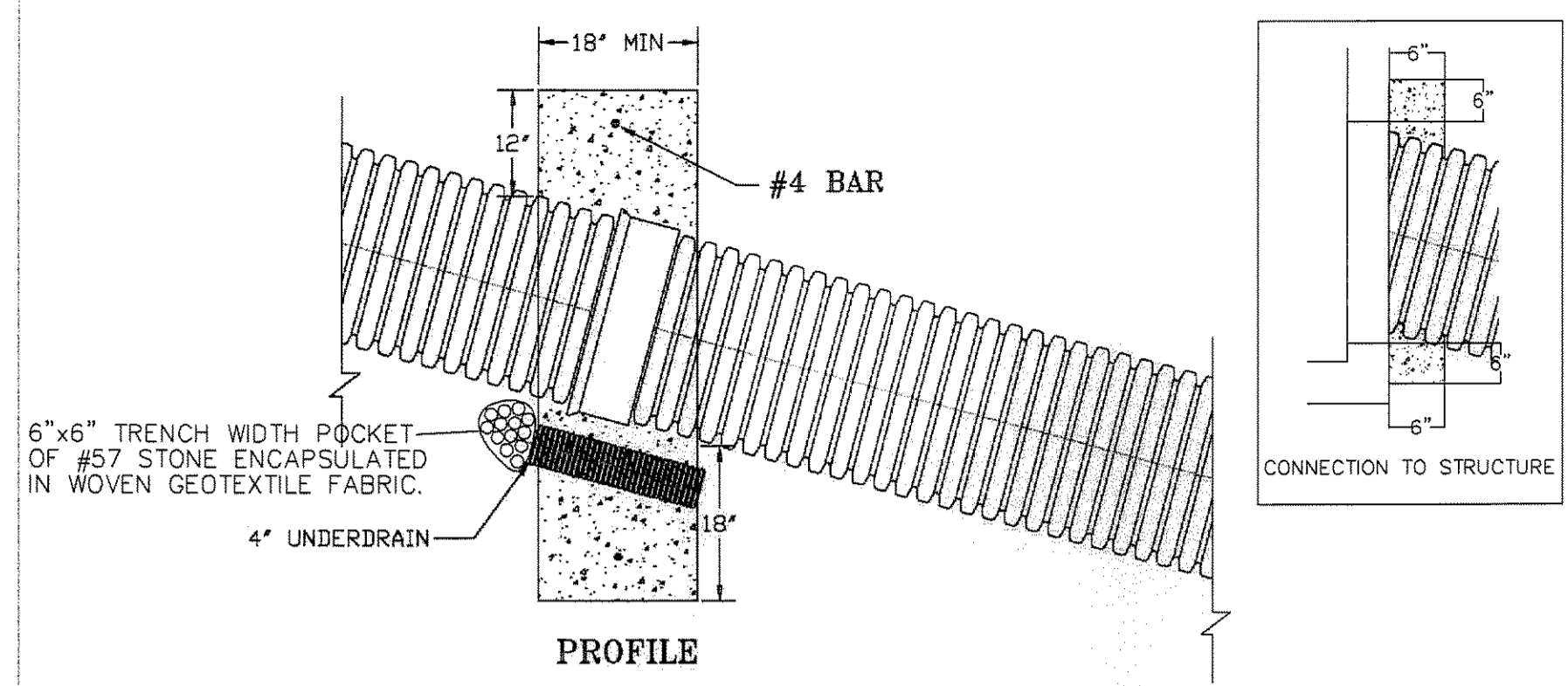
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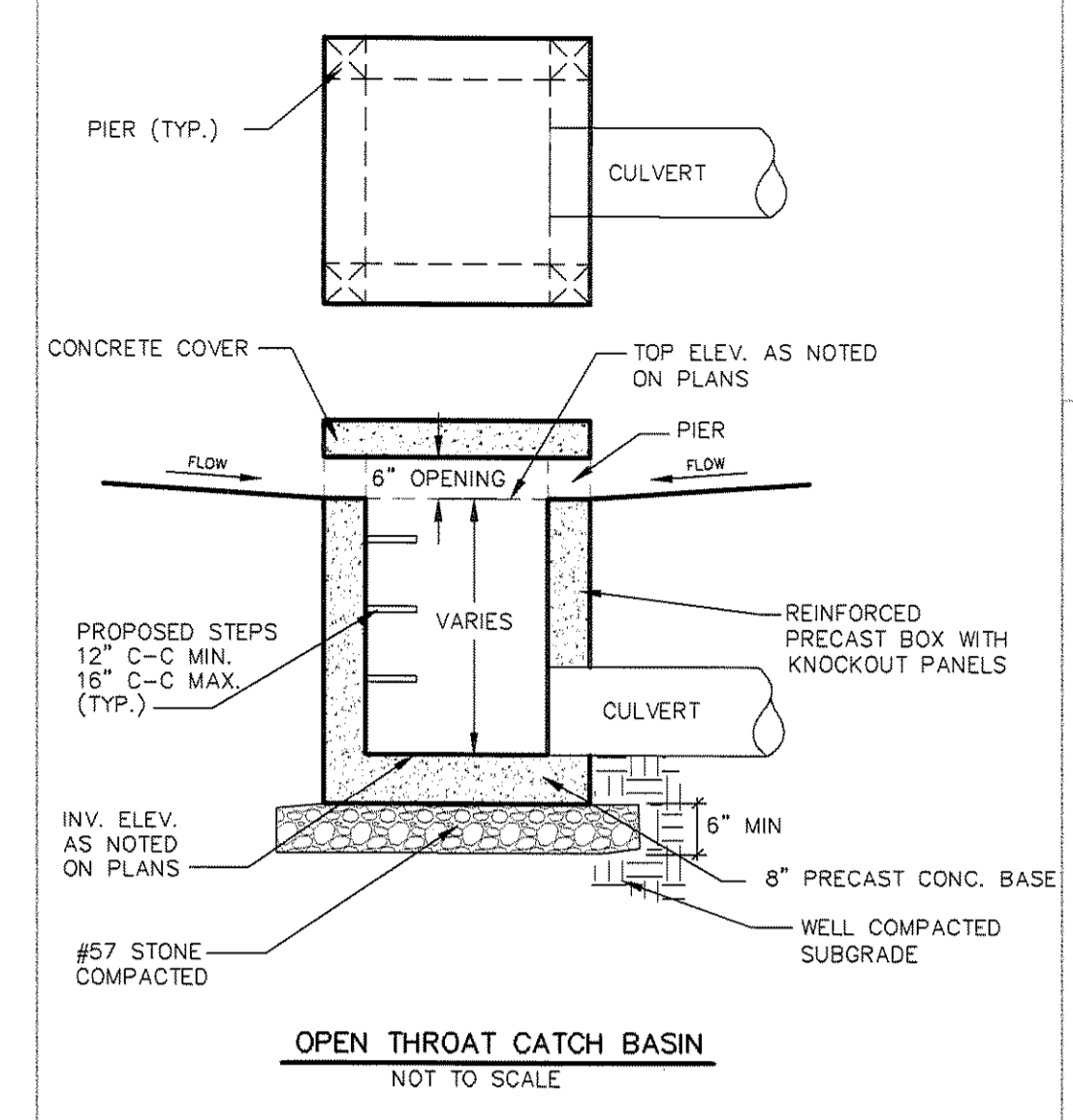
RAMBLE BILTMORE FOREST
BLOCK "E"
BUNCOMBE COUNTY
NORTH CAROLINA

STORM DRAINAGE DETAILS

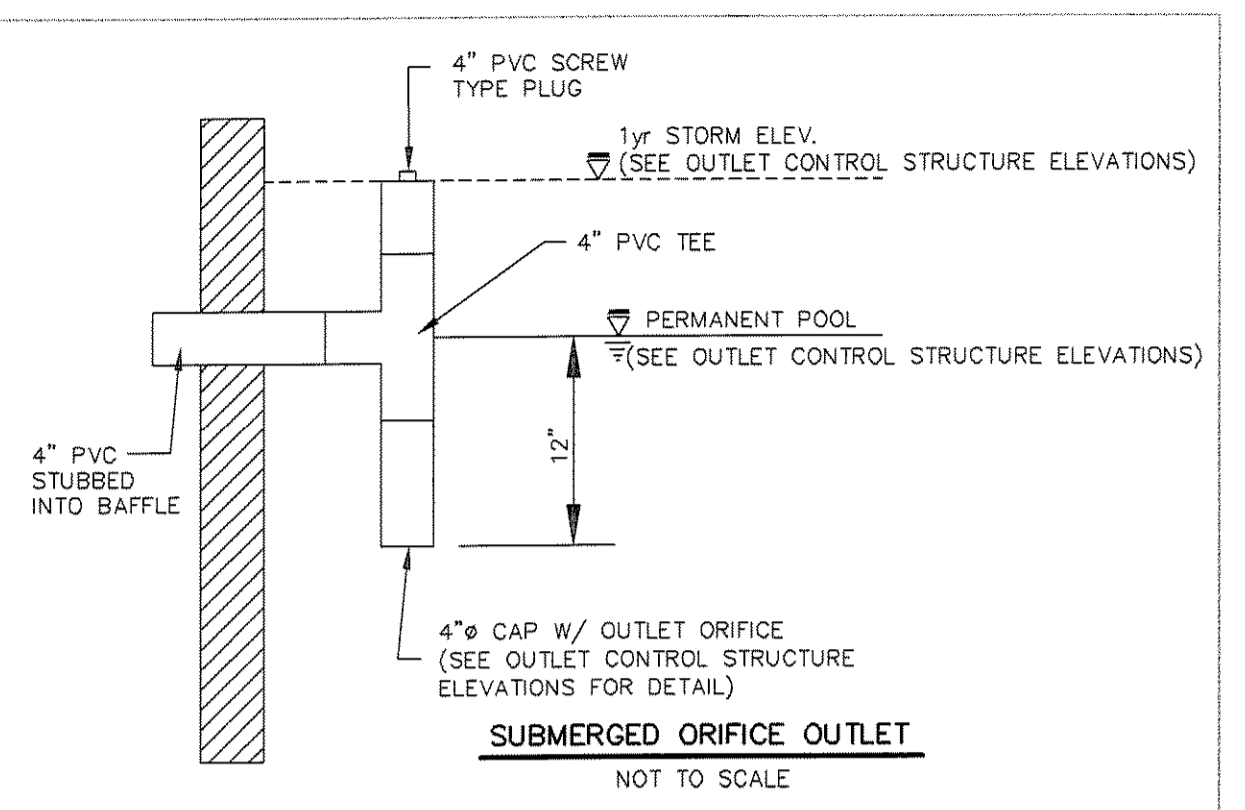


CONCRETE ANCHOR DETAIL
 Not To Scale

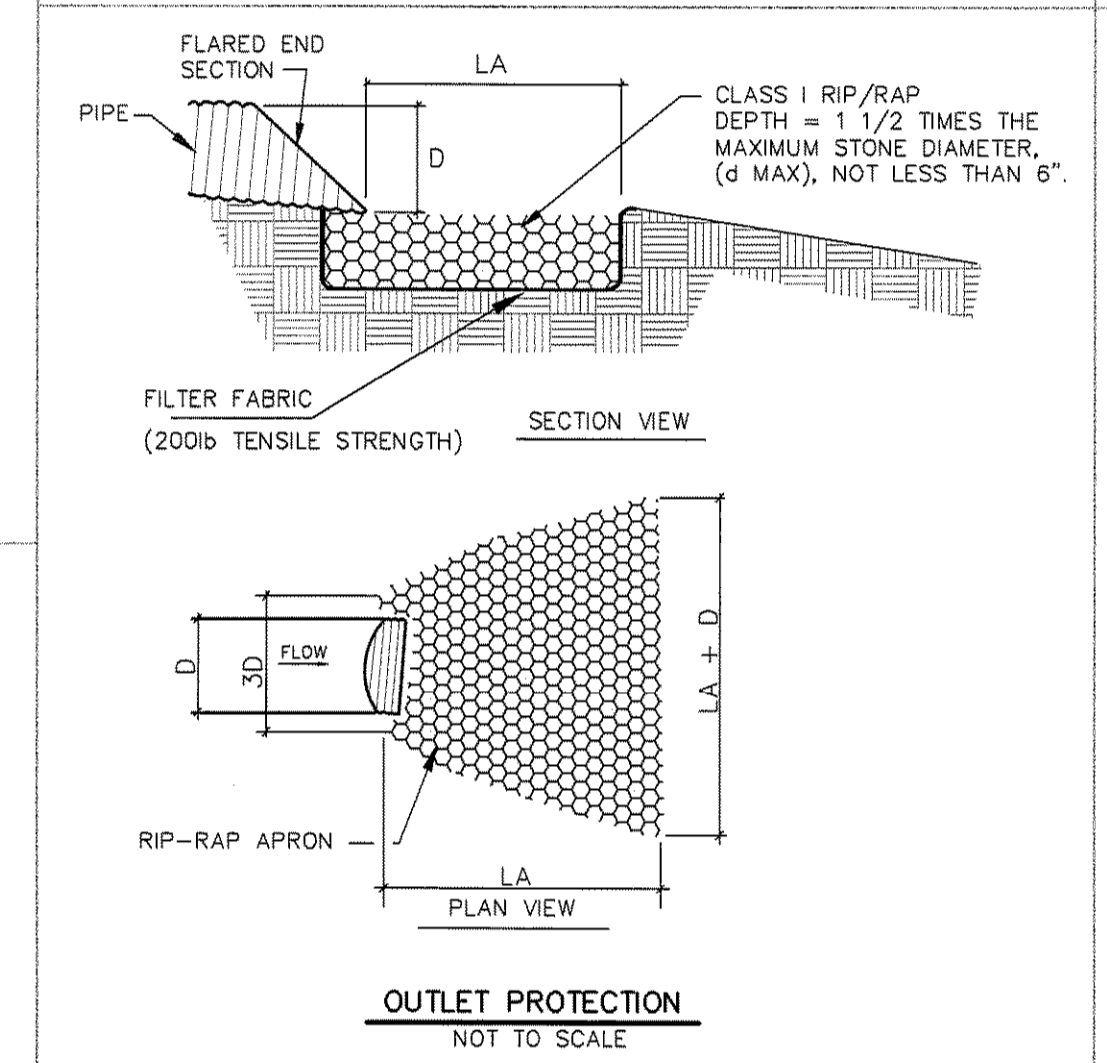
- Notes:
- 1.) Contractor shall space anchors as directed on plans.
 - 2.) Concrete shall have a minimum 28 day compressive strength of 2000 p.s.i.
 - 3.) Contractor shall use water tight HDPE storm drain on all lines that will have Concrete Anchors.
 - 4.) Back fill with natural material (Class III or Better) Compacting to 95% Standard Proctor Value.
 - 5.) When Coupling Pipe, Joints shall be pushed fully home.
 - 6.) For all lines that Anchors are used, Contractor shall place a Hydraulic Cement or non-shrink Grout anchor around the connection point at the beginning and end of the run, that will be a minimum of 6" thick and will extend a minimum of 6" past the hole opening in the structure. (See Connection to Structure)
 - 7.) Anchor pipes 36 lf max. on center.



OPEN THROAT CATCH BASIN
 NOT TO SCALE



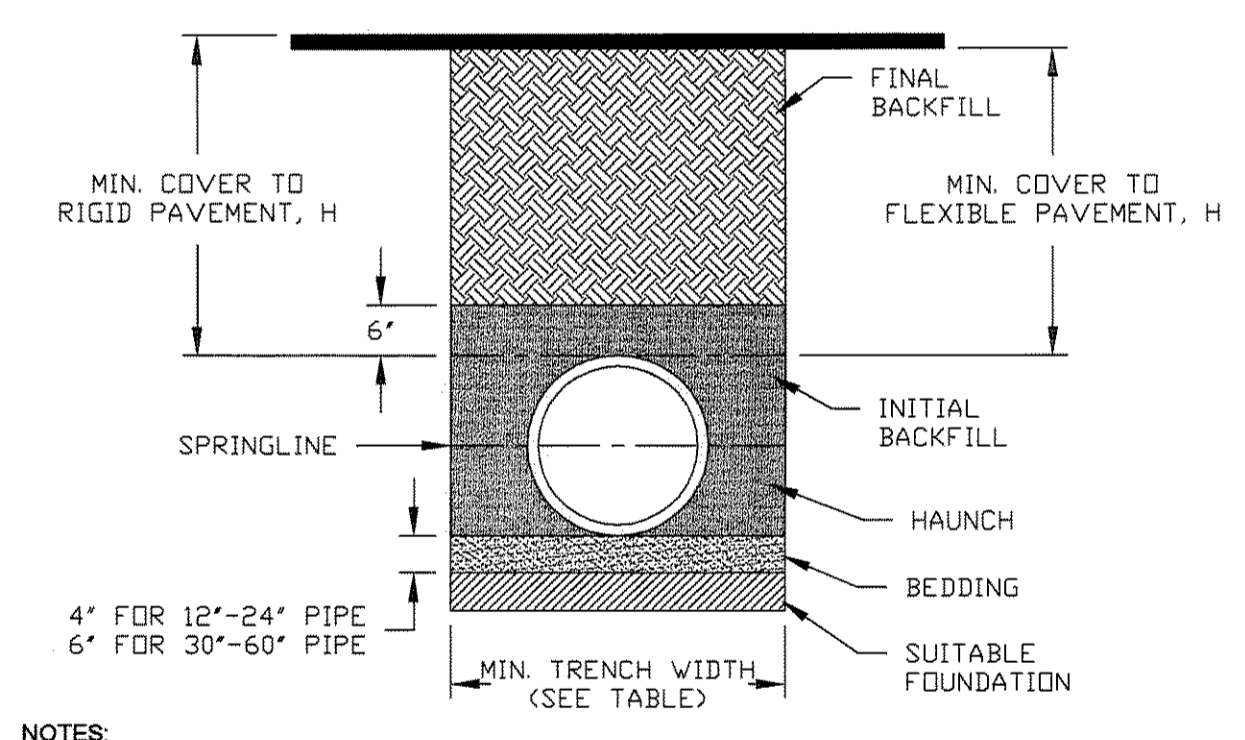
SUBMERGED ORIFICE OUTLET
 NOT TO SCALE



OUTLET PROTECTION
 NOT TO SCALE

NO.	D	LA	d50 SIZE
1	30"	16"	9"
2	15"	10"	9"
3	24"	16"	9"
4	15"	10"	9"

NOTES
 d50 = MEDIAN STONE SIZE
 dMAX = 1.5 X d50



RECOMMENDED MINIMUM TRENCH WIDTHS

PIPE DIAM.	MIN. TRENCH WIDTH
4"	21"
6"	23"
8"	26"
10"	28"
12"	30"
15"	34"
18"	39"
24"	48"
30"	56"
36"	64"
42"	72"
48"	80"
54"	88"
60"	96"

MINIMUM RECOMMENDED COVER BASED ON VEHICLE LOADING CONDITIONS

PIPE DIAM.	SURFACE LIVE LOADING CONDITION	
	H-25	HEAVY CONSTRUCTION (75T AXLE LOAD) *
12" - 48"	12"	48"
54" - 60"	24"	60"

* VEHICLES IN EXCESS OF 75T MAY REQUIRE ADDITIONAL COVER

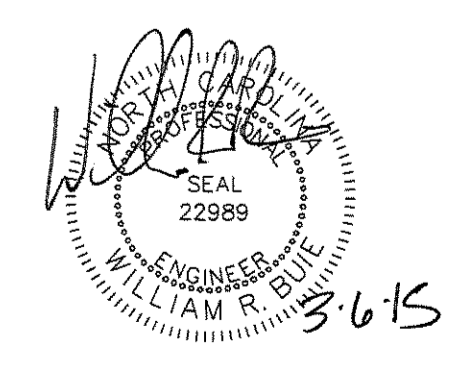
MINIMUM RECOMMENDED COVER BASED ON RAILWAY LOADING CONDITIONS

PIPE DIAM.	COOPER E-80**	
	UP TO 24"	24"
30" - 36"	36"	
42" - 60"	48"	

** COVER IS MEASURED FROM TOP OF PIPE TO BOTTOM OF RAILWAY TIE.
 *** E-80 COVER REQUIREMENTS, ARE ONLY APPLICABLE TO ASTM F 2306 PIPE.

TYPICAL HDPE STORM DRAINAGE TRENCH DETAIL
 NOT TO SCALE

- NOTES:
1. ALL PIPE SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ASTM D2321, "STANDARD PRACTICE FOR UNDERGROUND INSTALLATION OF THERMOPLASTIC PIPE FOR SEWERS AND OTHER GRAVITY FLOW APPLICATIONS", LATEST ADDITION
 2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
 3. FOUNDATION: WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
 4. BEDDINGS: SUITABLE MATERIAL SHALL BE CLASS I, II OR III. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. UNLESS OTHERWISE NOTED BY THE ENGINEER, MINIMUM BEDDING THICKNESS SHALL BE 4" (100mm) FOR 4"-24" (100mm-600mm); 6" (150mm) FOR 30"-60" (750mm-900mm).
 5. INITIAL BACKFILL: SUITABLE MATERIAL SHALL BE CLASS I, II OR III IN THE PIPE ZONE EXTENDING NOT LESS THAN 8" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
 6. MINIMUM COVER: MINIMUM COVER, H, IN NON-TRAFFIC APPLICATIONS (GRASS OR LANDSCAPE AREAS) IS 12" FROM THE TOP OF PIPE TO GROUND SURFACE. ADDITIONAL COVER MAY BE REQUIRED TO PREVENT FLOATATION. FOR TRAFFIC APPLICATIONS, MINIMUM COVER, H, IS 12" UP TO 48" DIAMETER PIPE AND 24" OF COVER FOR 54"-60" DIAMETER PIPE, MEASURED FROM TOP OF PIPE TO BOTTOM OF FLEXIBLE PAVEMENT OR TO TOP OF RIGID PAVEMENT.



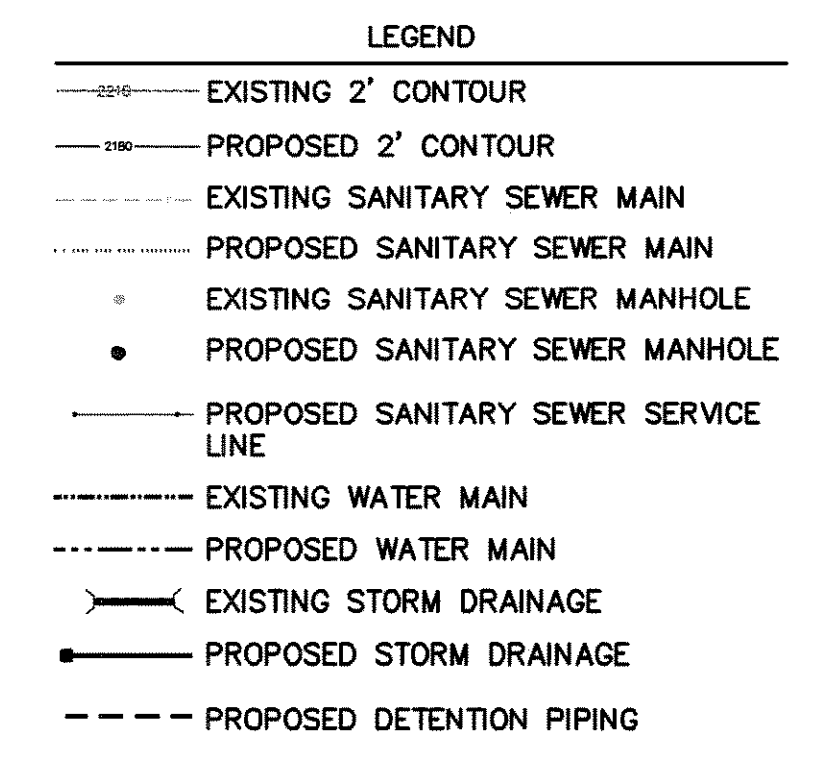
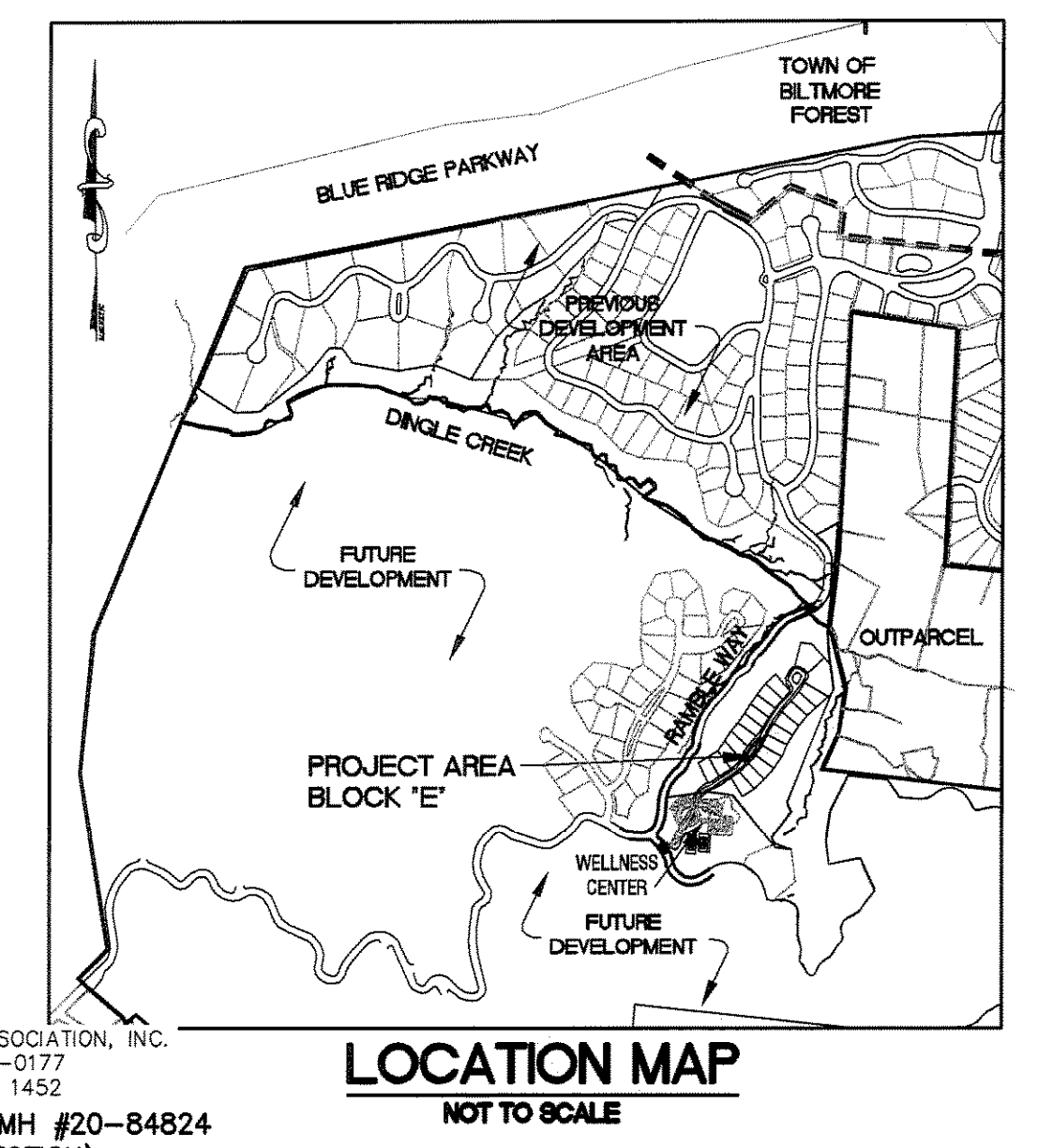
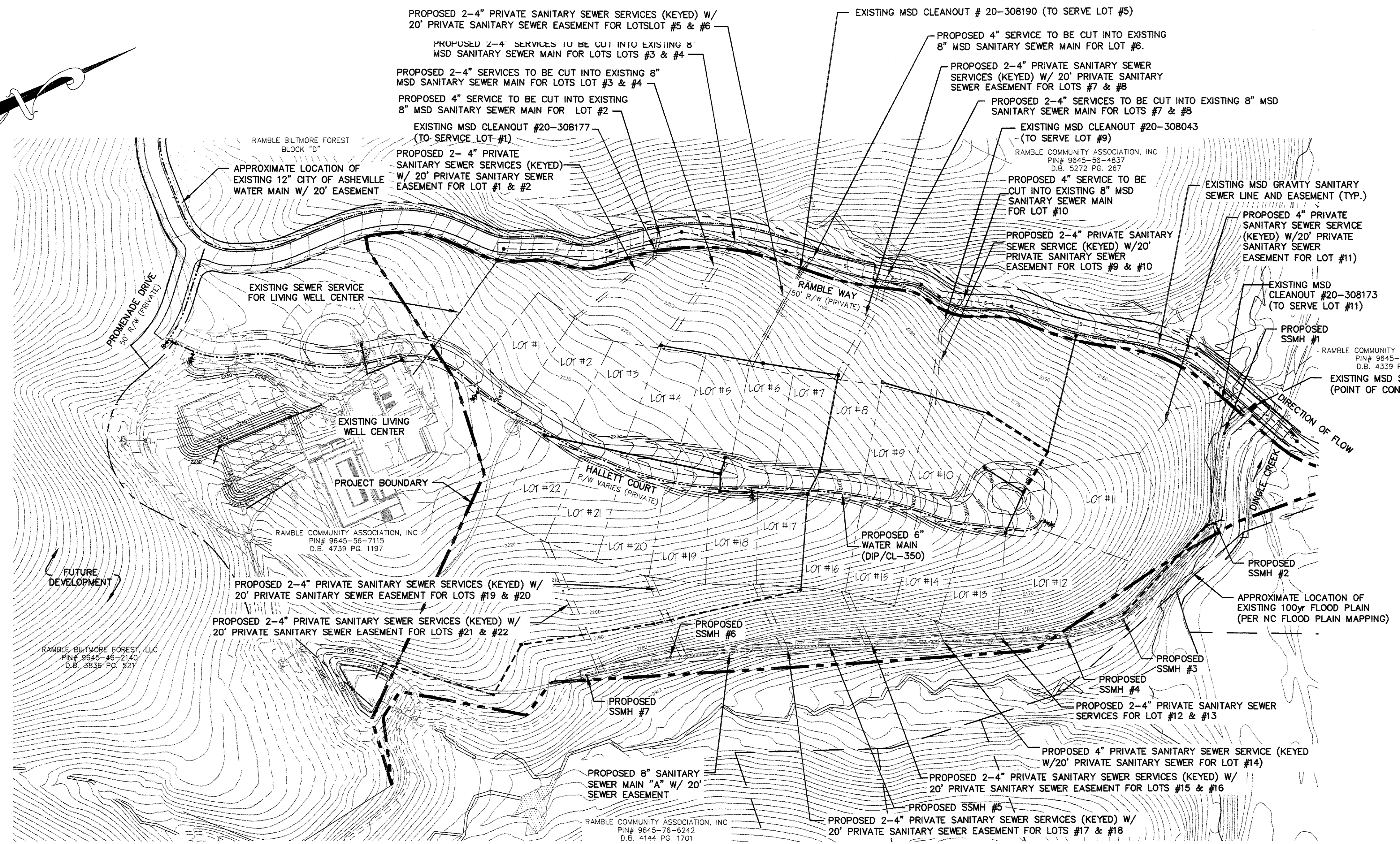
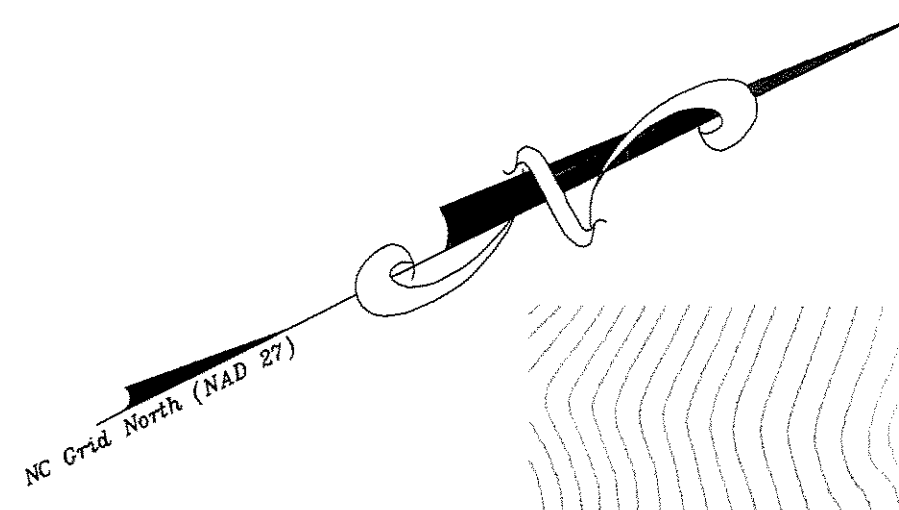
Revisions	
3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
 job: 14105
 drawn: TWT

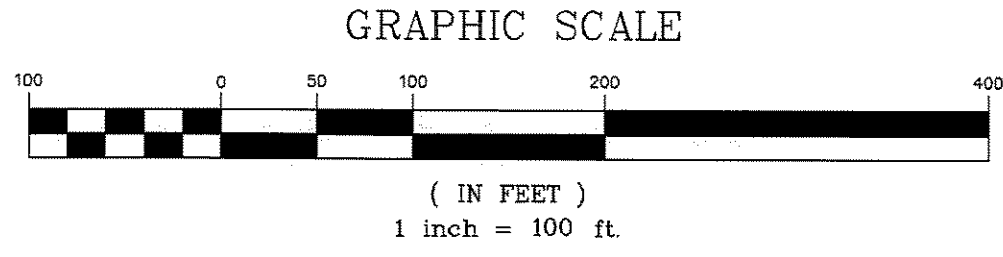
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 Hendersonville, North Carolina 28792
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 wglg.com

sheet
 C-303

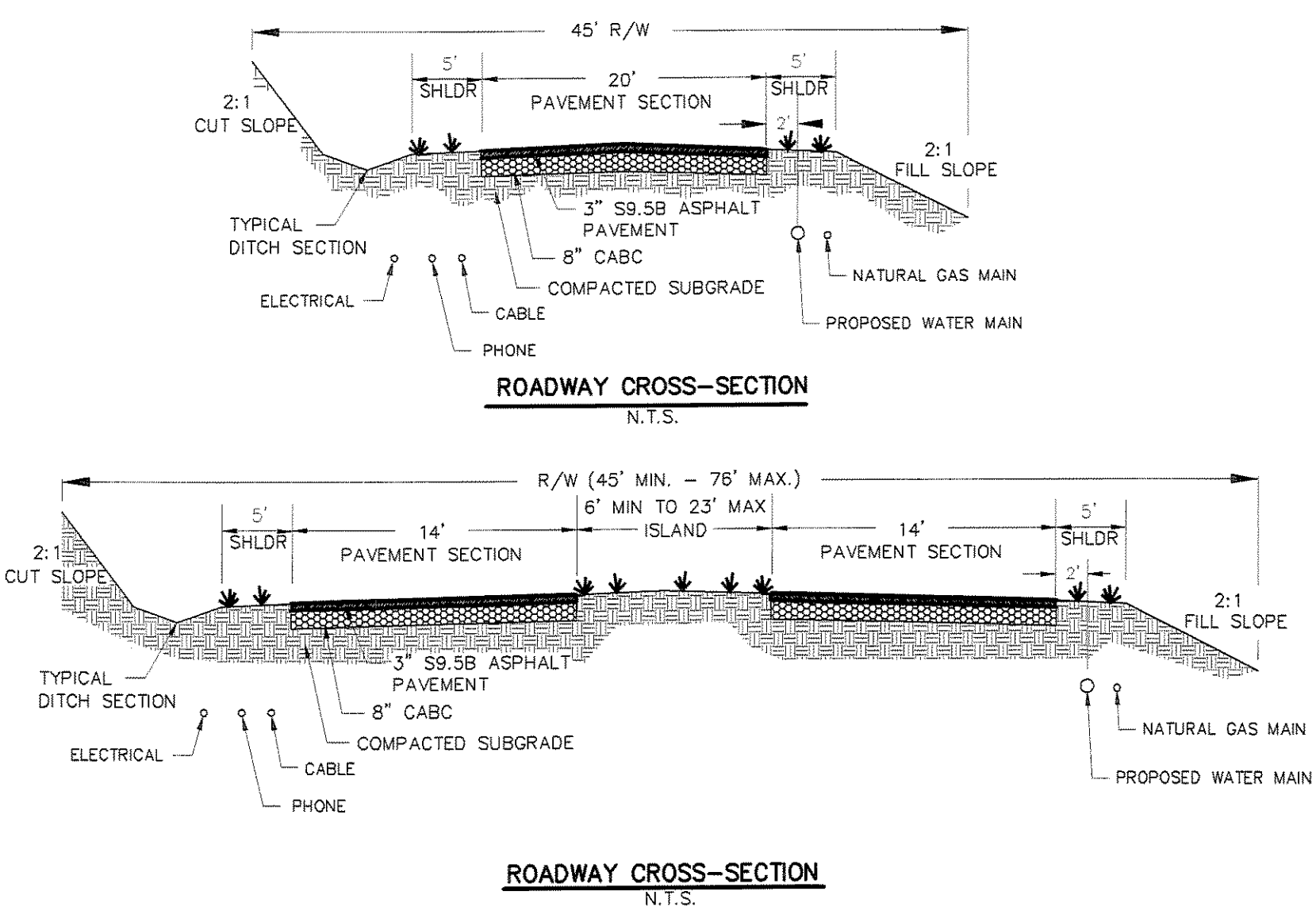
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- NOTES:
- 1.) THE SPECIFICATIONS AND REQUIREMENTS OF THE METROPOLITAN SEWAGE DISTRICT SUPERSEDE ALL OTHERS IN THE INSTALLATION OF THE PROPOSED EXTENSION(S).
 - 2.) MSD MAINTENANCE OF SEWER SERVICES ENDS AT THE FIRST CLEANOUT MAINTENANCE OF SERVICES BEYOND THIS POINT IS PRIVATE
 - 3.) INVERT OF EXISTING MANHOLE #20-84824 SHALL BE CORED AND BOOTED, IF NEEDED FOR NEW PIPE CONNECTIONS.
 - 4.) ALL SEWER SERVICES SHALL BE 4" UNLESS OTHERWISE NOTED.
 - 5.) CONTRACTOR SHALL USE DIP/CL-350 PIPING ON ALL SEWER LINES WHERE 3 FEET OF COVER IS NOT PROVIDED.
 - 6.) PIN # 9645-46-1075 IS THE ONLY PROPERTY AFFECTED BY THE PROPOSED SEWER LINE CONSTRUCTION.
 - 7.) ALL SANITARY SEWER WORK IS TO BE PERFORMED BY A LICENSED NORTH CAROLINA UTILITY CONTRACTOR
 - 8.) BENCHMARK FOR THIS PROJECT SHALL BE EXISTING MSD MANHOLE #20-84824 TOP WITH ELEV. 2124.18.'
 - 9.) ALL SEWER EASEMENTS SHALL BE 20' WIDE UNLESS NOTED ON PLAN OTHERWISE.
 - 10.) ALL PROPOSED SANITARY SEWER LINES TO BE TURNED OVER TO MSD WILL BE GRAVITY LINES.
 - 11.) IF CONTRACTOR TRANSITIONS FROM PVC TO DIP, THEN A SOLID SLEEVE COUPLING WILL BE USED. ONLY ONE TRANSITION WILL BE ALLOWED BETWEEN MANHOLES.
 - 13.) SEE THE GRADING AND EROSION CONTROL PLANS FOR ALL EROSION MEASURES RELATED TO SEWER CONSTRUCTION
 - 14.) HORIZONTAL CONTROL IS NAD 27, VERTICAL CONTROL IS NAVD 88.
 - 15.) NO DOGHOUSE MANHOLES ALLOWED.
 - 16.) THE ENTIRE MSD PERMANENT SEWER EASEMENT MUST BE CLEARED AND REMAIN CLEAR OF TREE PLANTINGS & PERMANENT TYPE STRUCTURES.

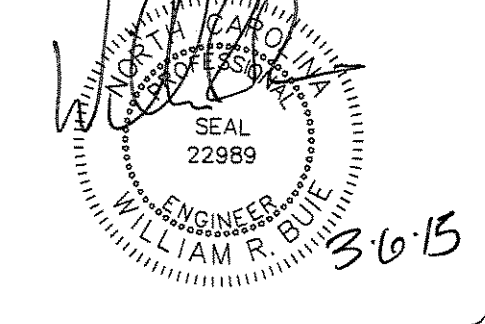


DEVELOPMENT BLOCK:
PROJECT NAME: THE RAMBLE BILTMORE FOREST BLOCK "E"
PROJECT ADDRESS: RAMBLE WAY
OWNER/DEVELOPER: RAMBLE BILTMORE FROEST, LLC
 ONE TOWN SQUARE BLVD, SUITE 330
 ASHEVILLE, NC 28803
 (828) 209-2000
CONTACT PERSON: LEE THOMASON
 ONE TOWN SQUARE BLVD, SUITE 330
 ASHEVILLE, NC 28803
 (828) 209-2000
ENGINEER: WILLIAM R. BUIE, P.E.
 WGLA ENGINEERING, PLLC
 214 N. KING STREET
 HENDERSONVILLE, NC 28792
 (828) 687-7177
PIN #: 9645-46-1075
TOTAL PROPERTY SIZE: 19.47± AC.
TOTAL # OF PROPOSED LOTS: 22 LOTS
DEED REF: D.B. 3836 PG. 0521
TOWNSHIP: LOWER HOMINY CREEK



MSD PROJECT # 2015030

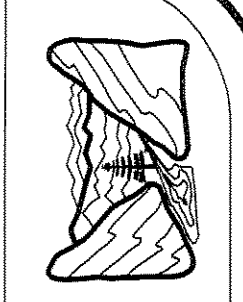
NOTE:
 * A MINIMUM OF 10 FT. HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN WATER AND SANITARY SEWER LINES MUST BE MAINTAINED.
 WHERE THE SEWER LINE INSTALLATION DOES NOT CONFORM TO THIS REQUIREMENT OR HAVE A MINIMUM COVER OF 36" FROM THE GROUND SURFACE OR 24" VERTICAL SEPARATION FROM STORM DRAINAGE LINES - SEWER PIPE MUST BE OF A FERROUS MATERIAL.



Revisions	
3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
 job: 14105
 drawn: KHC

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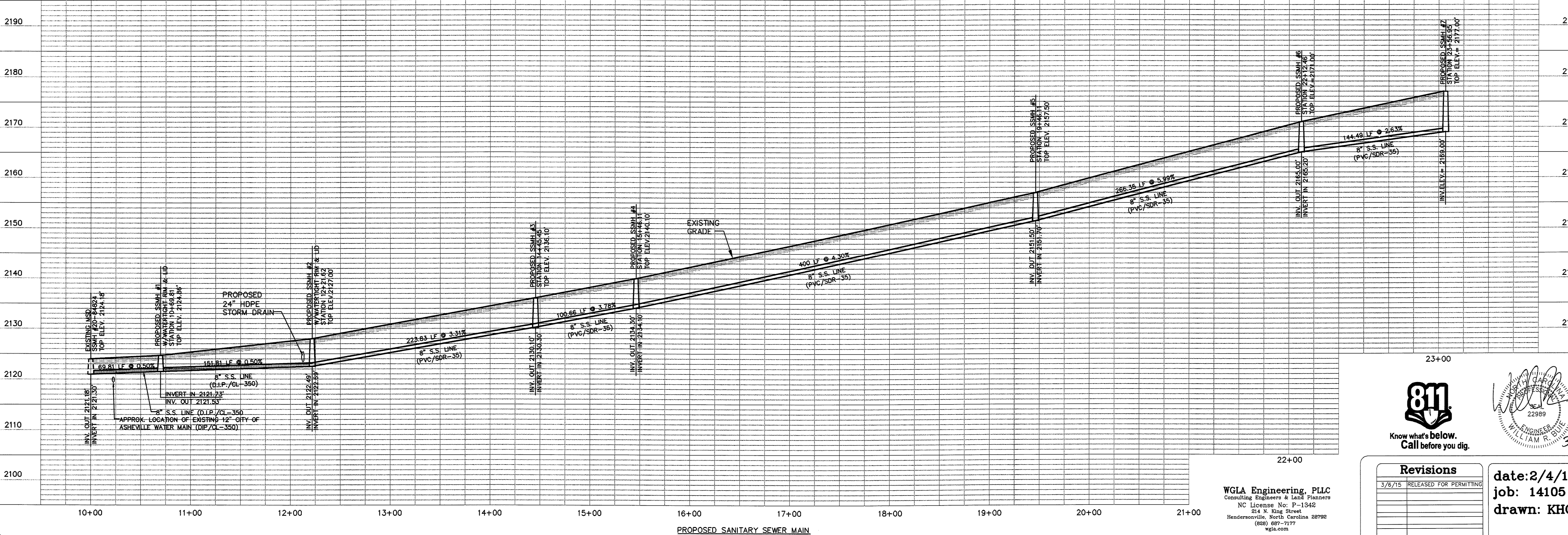
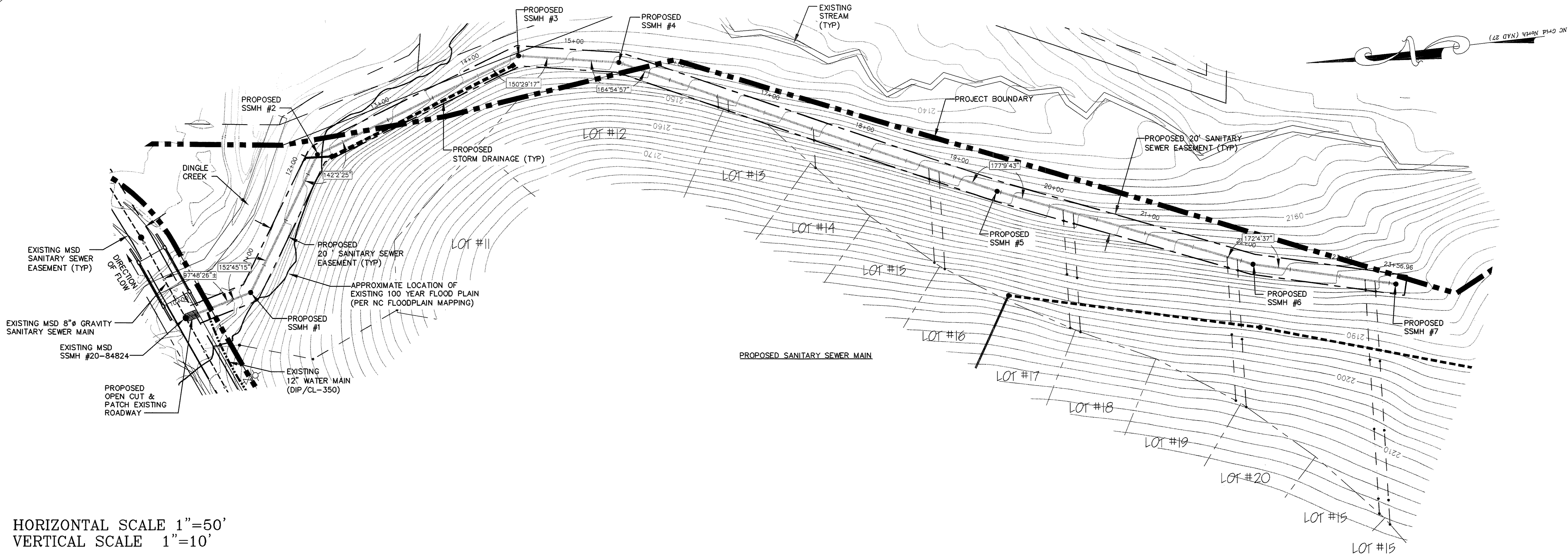


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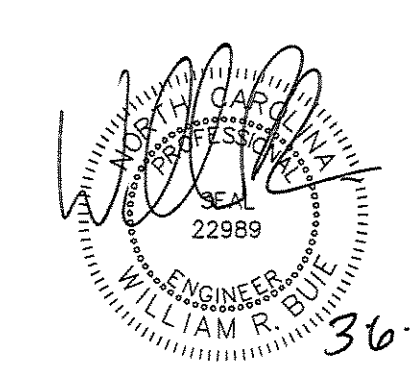
THE RAMBLE BILTMORE FOREST
 BLOCK "E"
 BUNCOMBE COUNTY
 NORTH CAROLINA

SANITARY SEWER SYSTEM LAYOUT

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Know what's below.
Call before you dig.

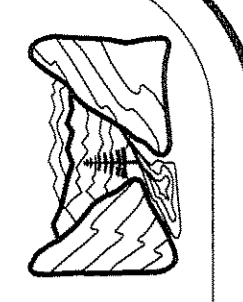


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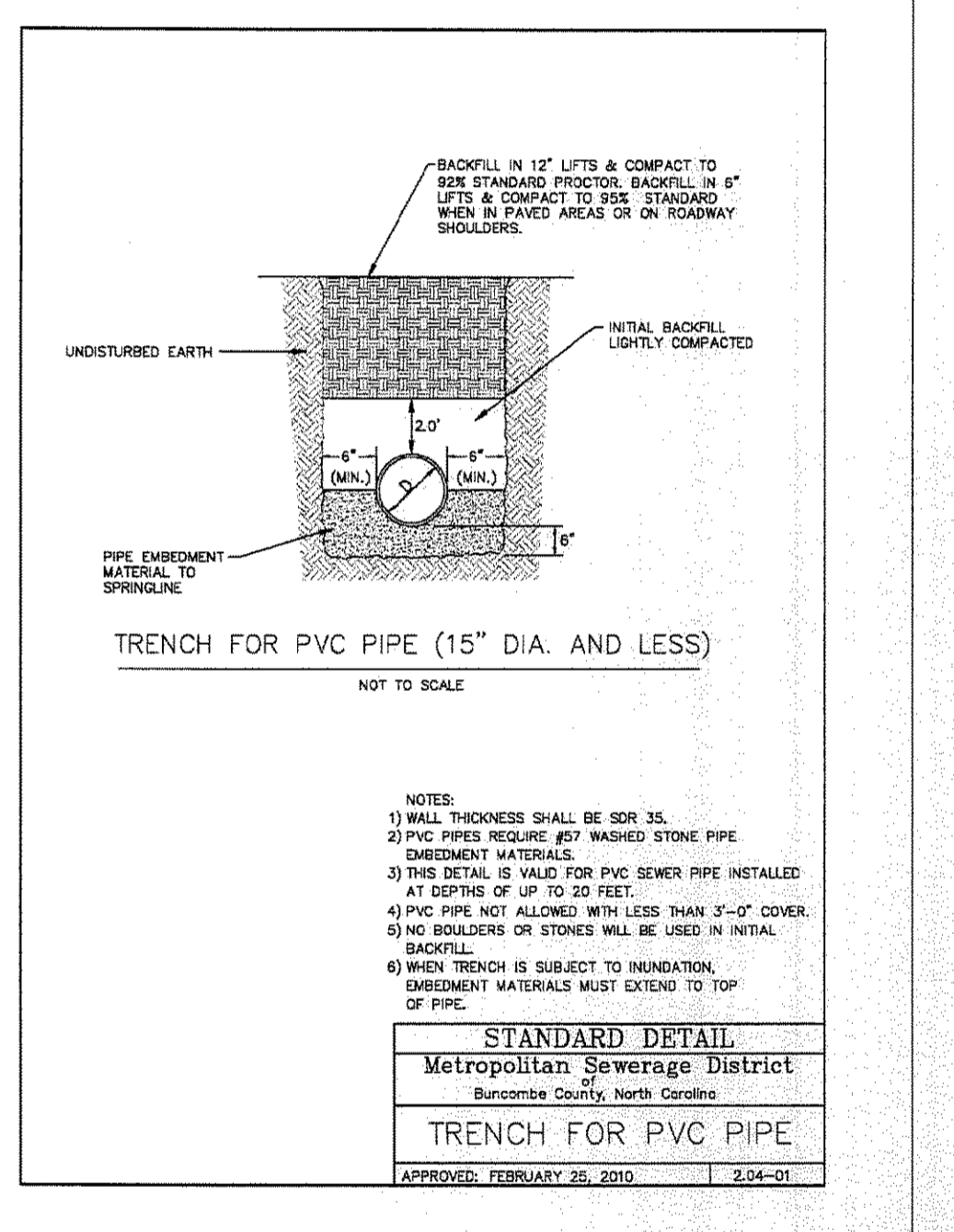
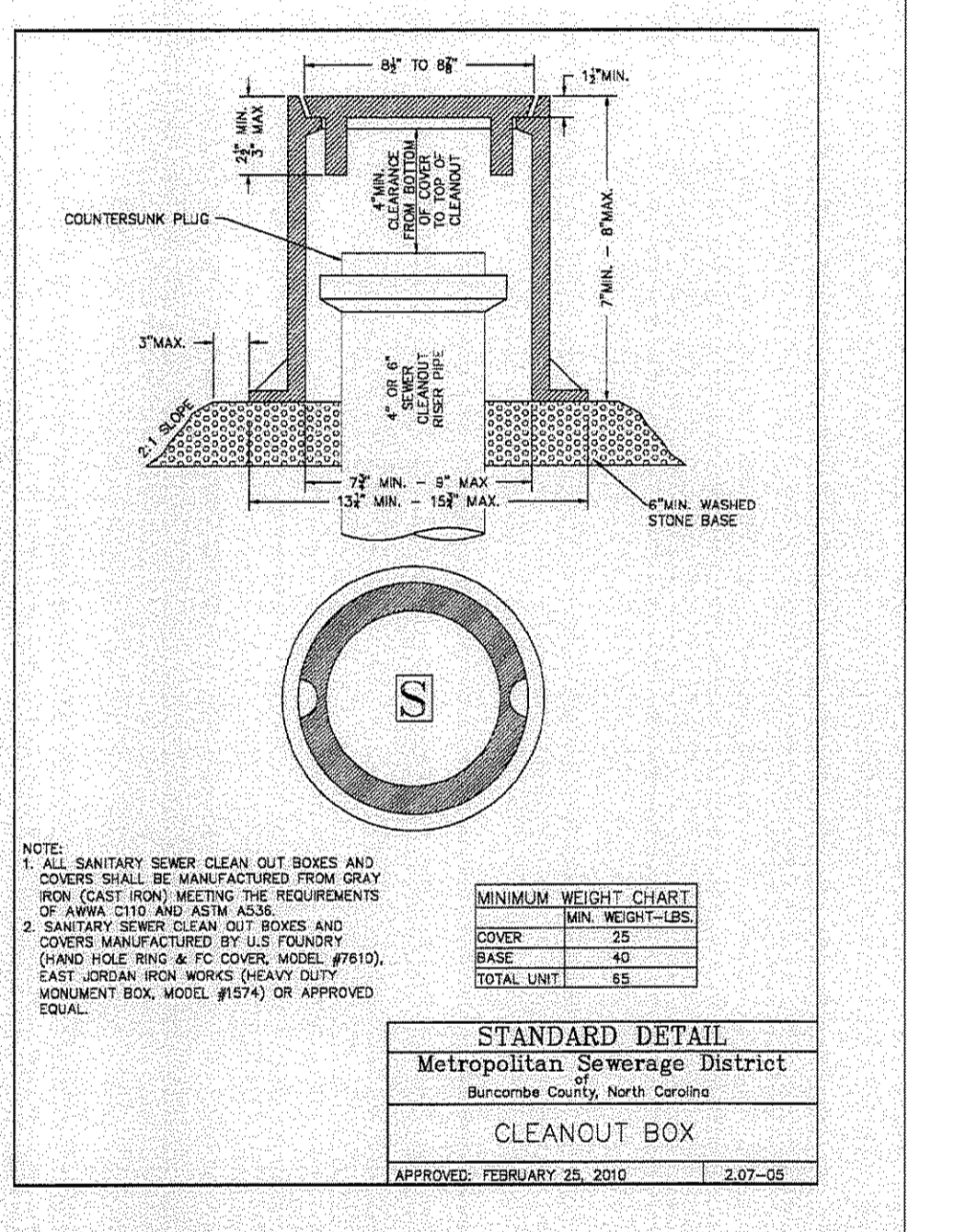
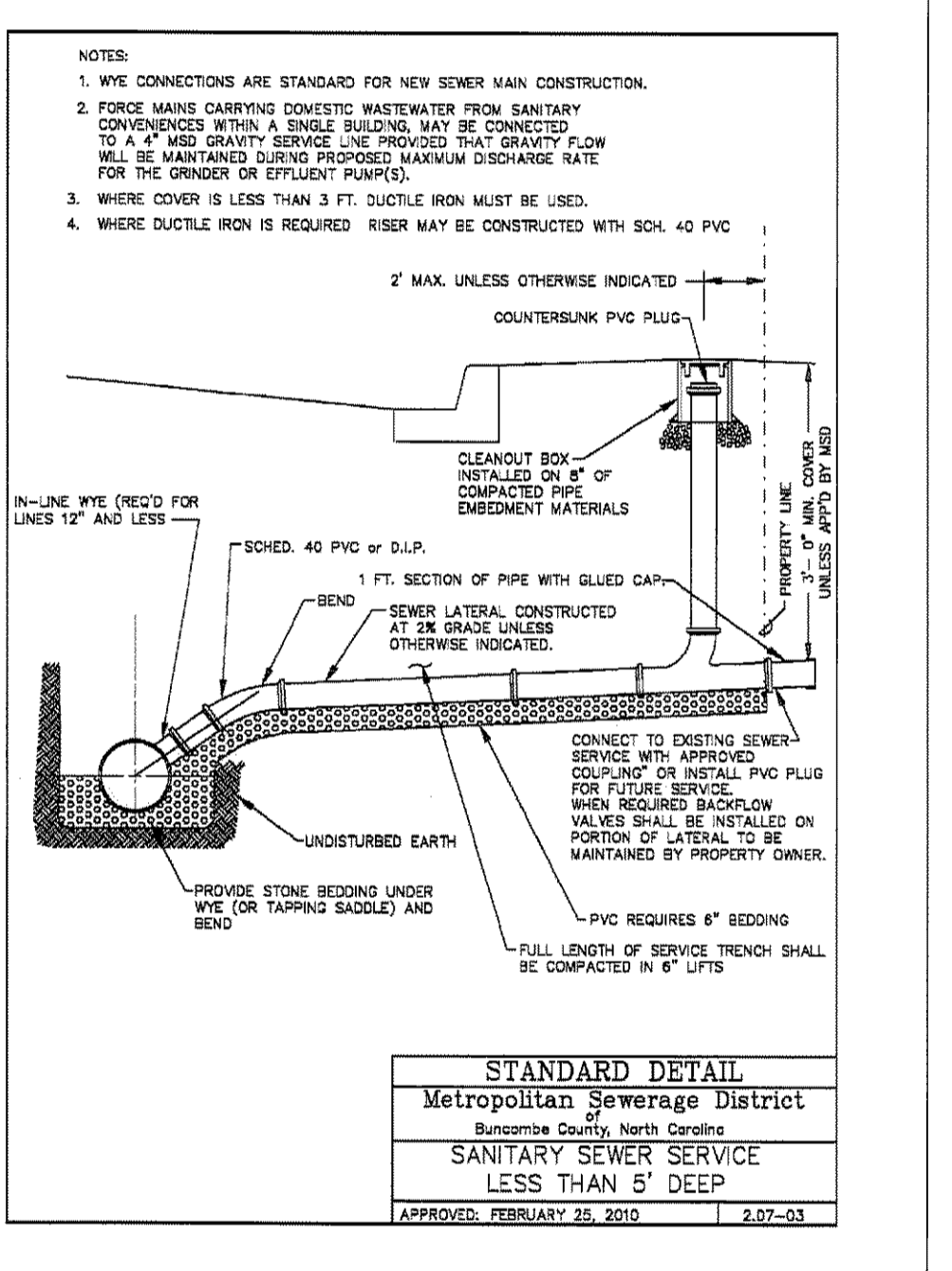
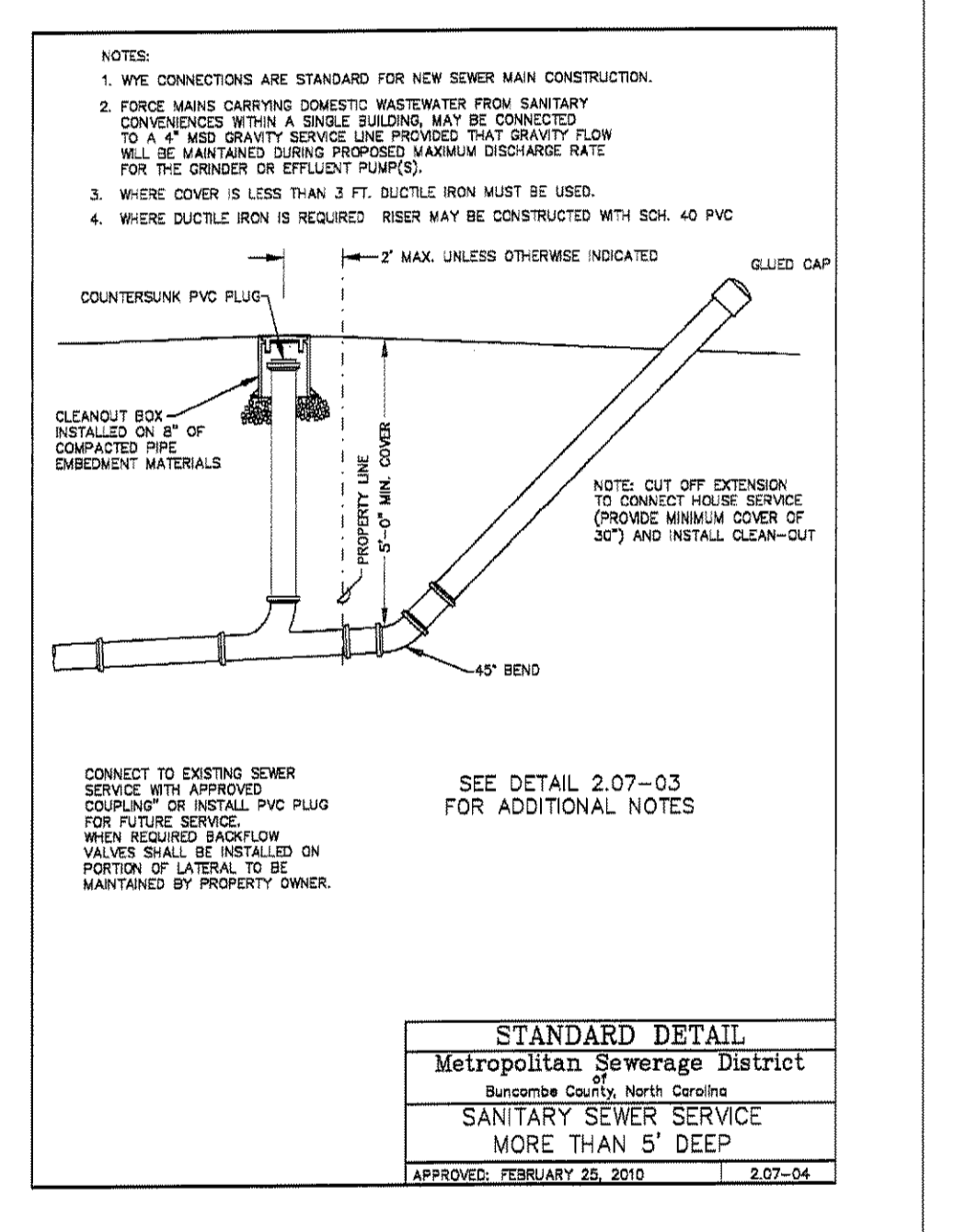
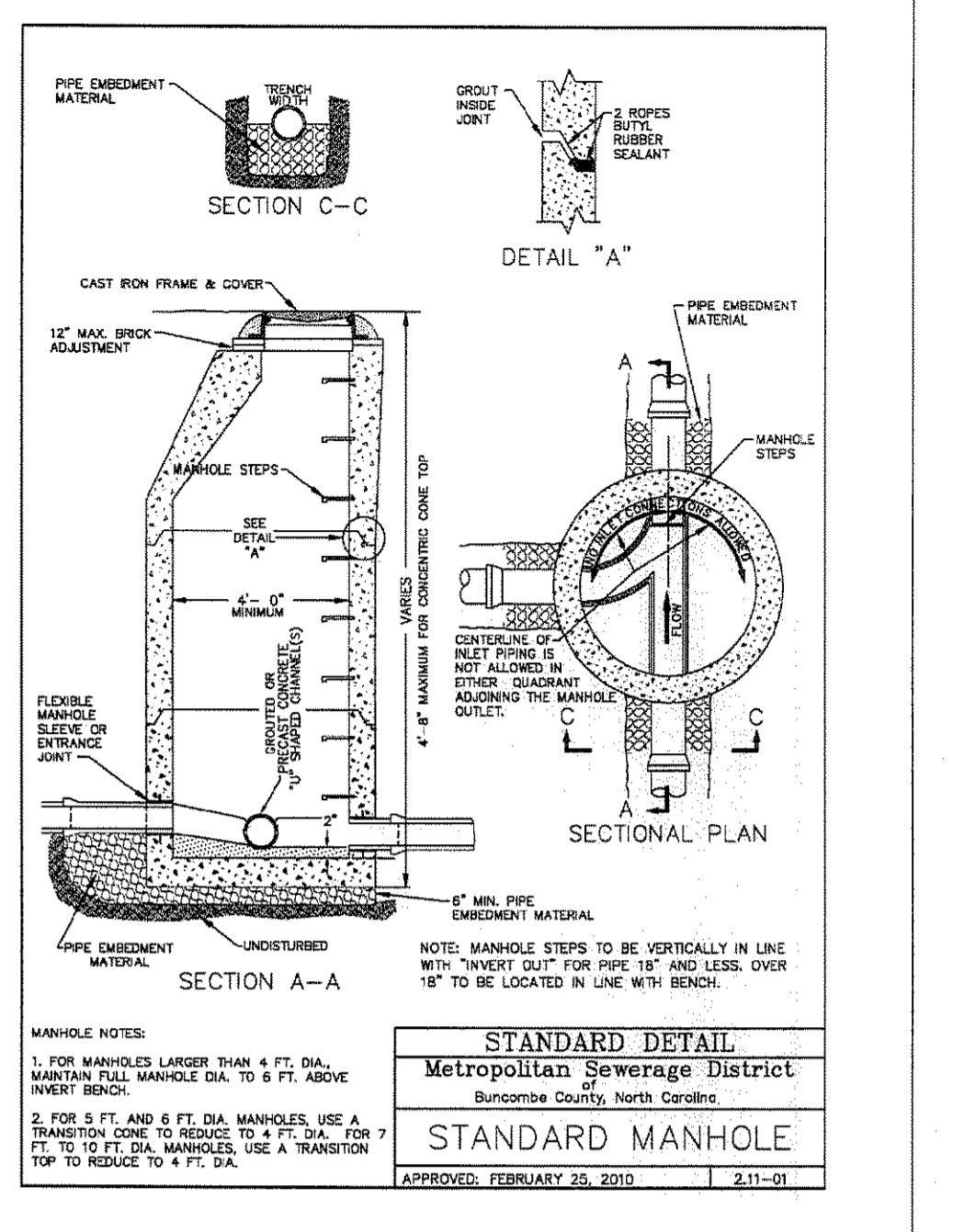
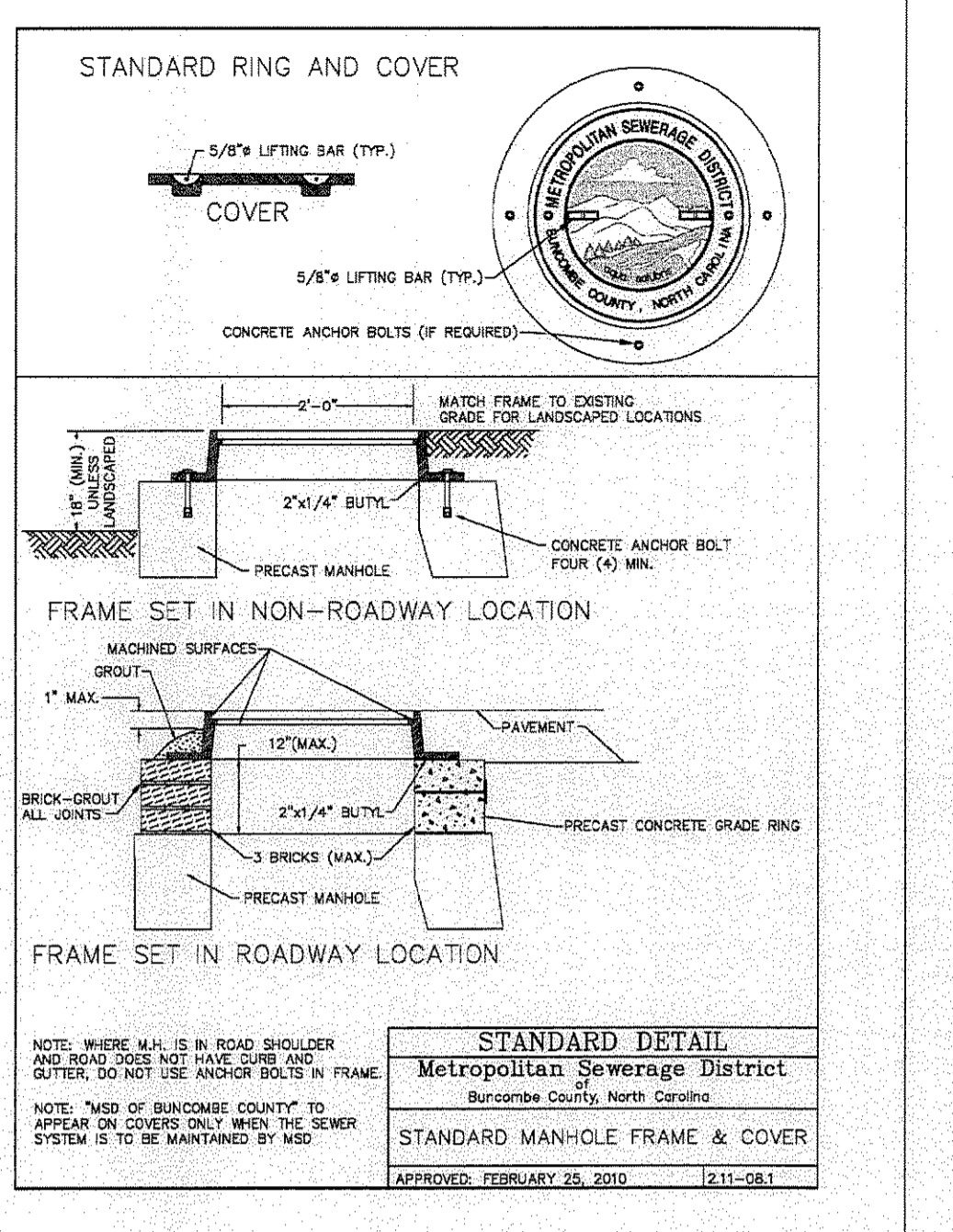
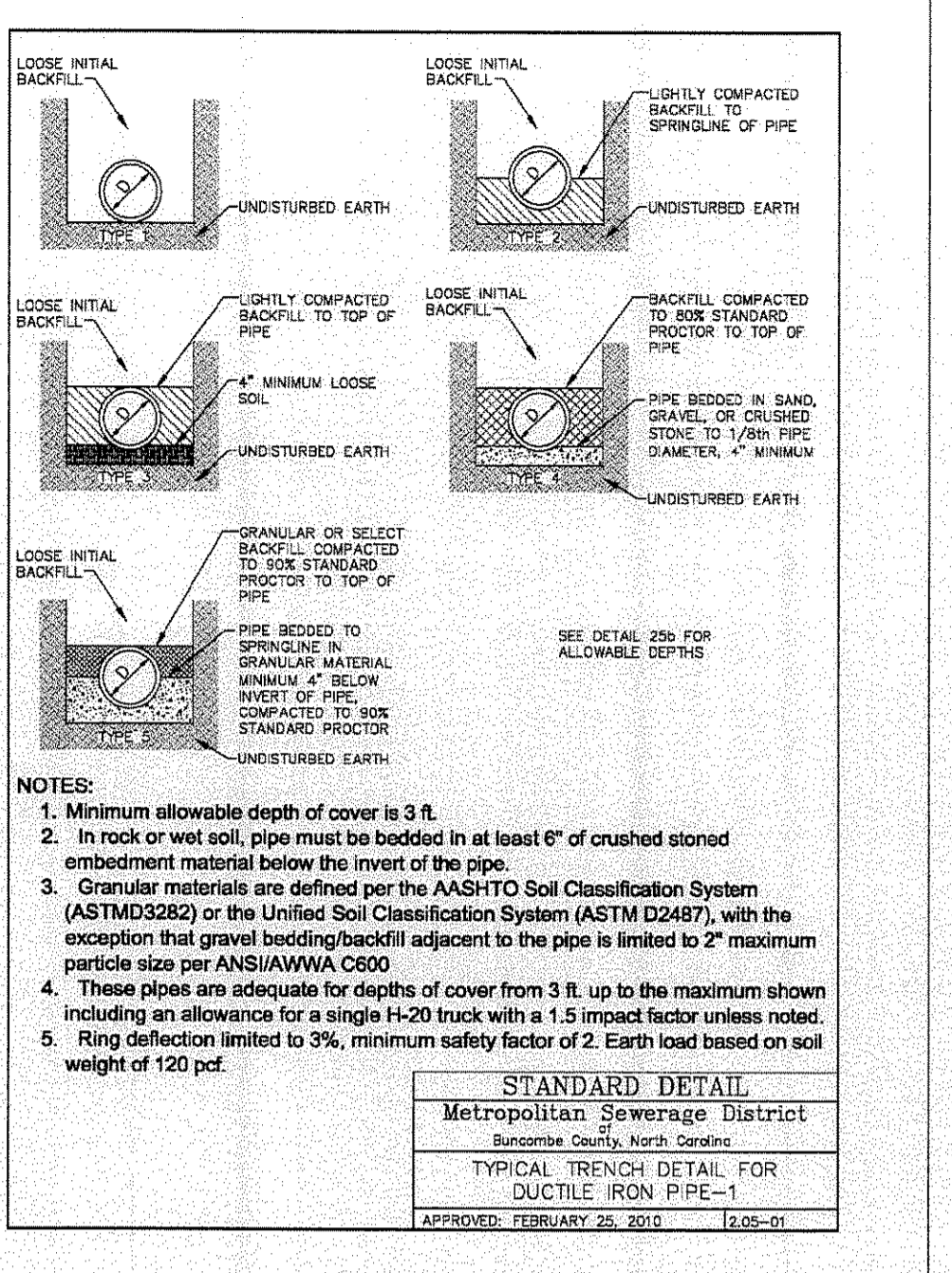
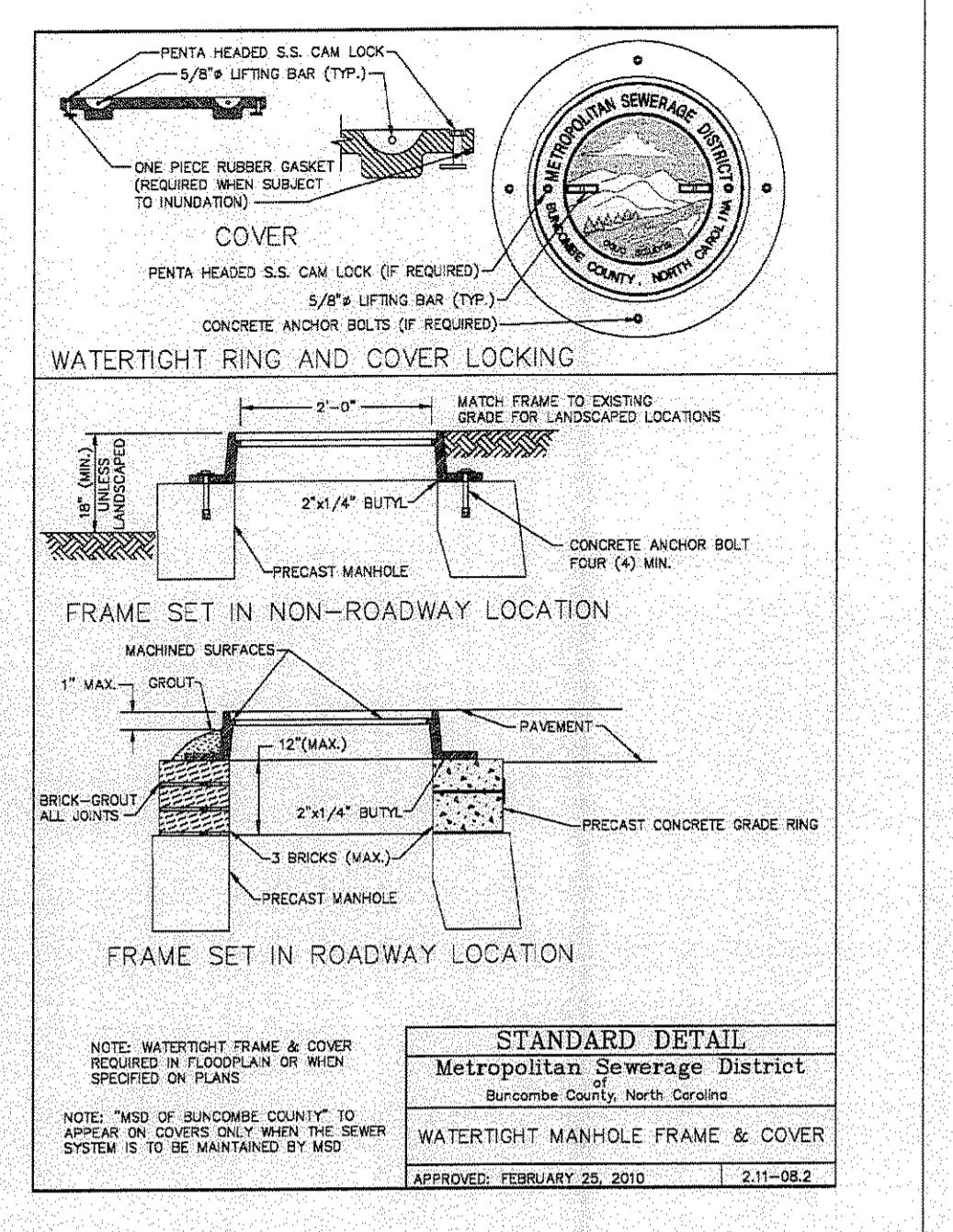
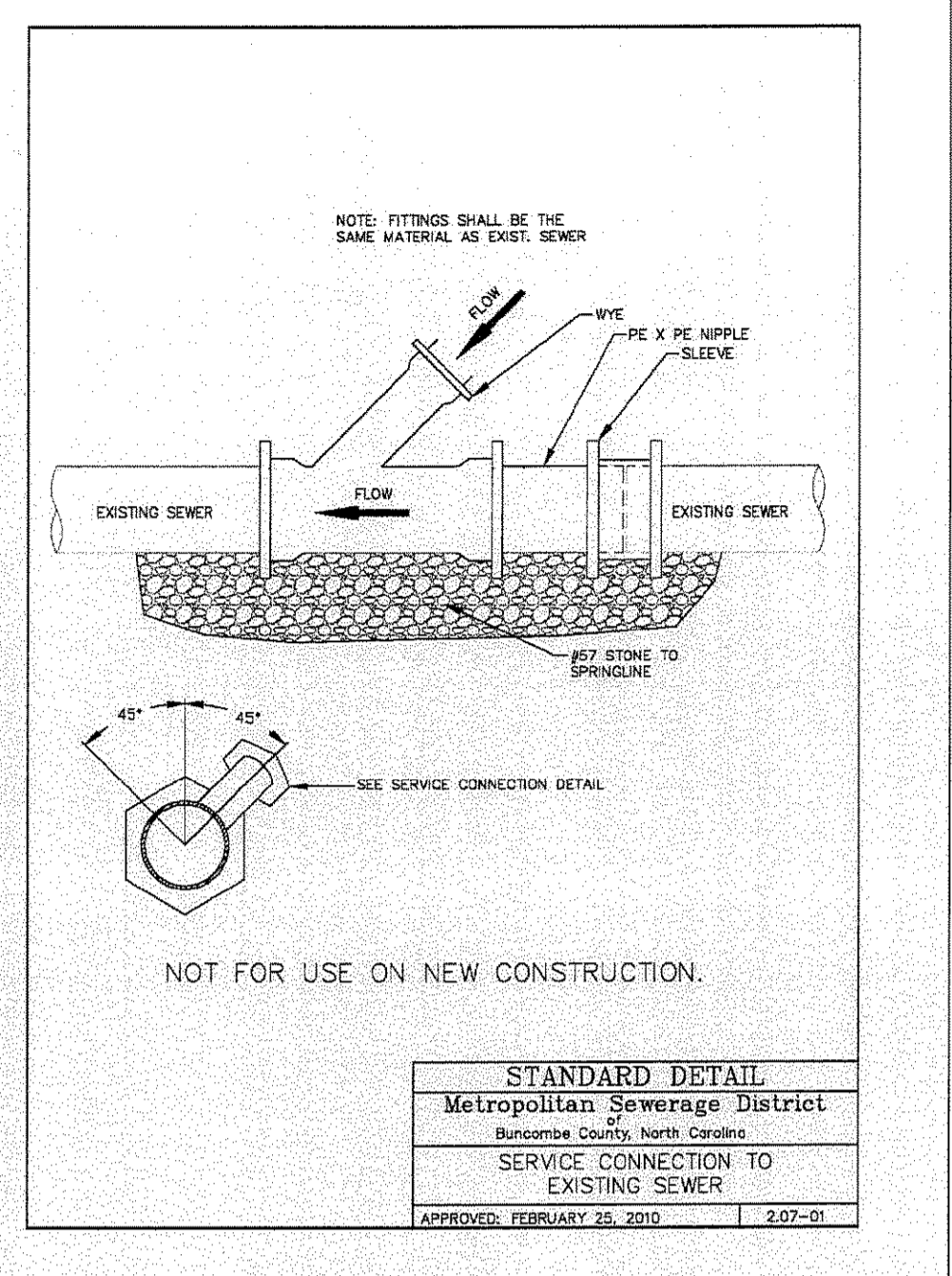
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HENDERSONVILLE, NORTH CAROLINA

THE RAMBLE BILTMORE FOREST
BLOCK "E" COUNTY
BUNCOMBE COUNTY
NORTH CAROLINA

SANITARY SEWER DETAILS



METROPOLITAN SEWER DISTRICT REQUIRED PERMANENT EASEMENT WIDTHS

WHERE THE DEPTH OF SANITARY SEWERS EXCEEDS TWENTY FEET (20') OR WHERE SLOPES EXCEED A RATIO OF THREE TO ONE (3:1) EASEMENT WIDTHS WILL BE DETERMINED BY THE DISTRICT ON A CASE BY CASE BASIS.

TRENCH DEPTH	8"-12" SEWER RIGHT OF WAY	15"-18" SEWER RIGHT OF WAY	21"-27" SEWER RIGHT OF WAY	30"-36" SEWER RIGHT OF WAY	42"-54" SEWER RIGHT OF WAY
0-6	20'	20'	25'	25'	30'
6-8	20'	20'	25'	25'	30'
8-10	20'	25'	25'	25'	30'
10-12	20'	25'	25'	30'	30'
12-14	25'	30'	30'	35'	35'
14-16	30'	35'	35'	40'	40'
16-18	30'	35'	40'	40'	40'
18-20	30'	40'	45'	45'	45'

UTILITY CROSSING Clearance requirements are to be met or ferrous sewer pipe with joints equivalent to water main standards will be used for a distance of ten feet outside said point of crossing.

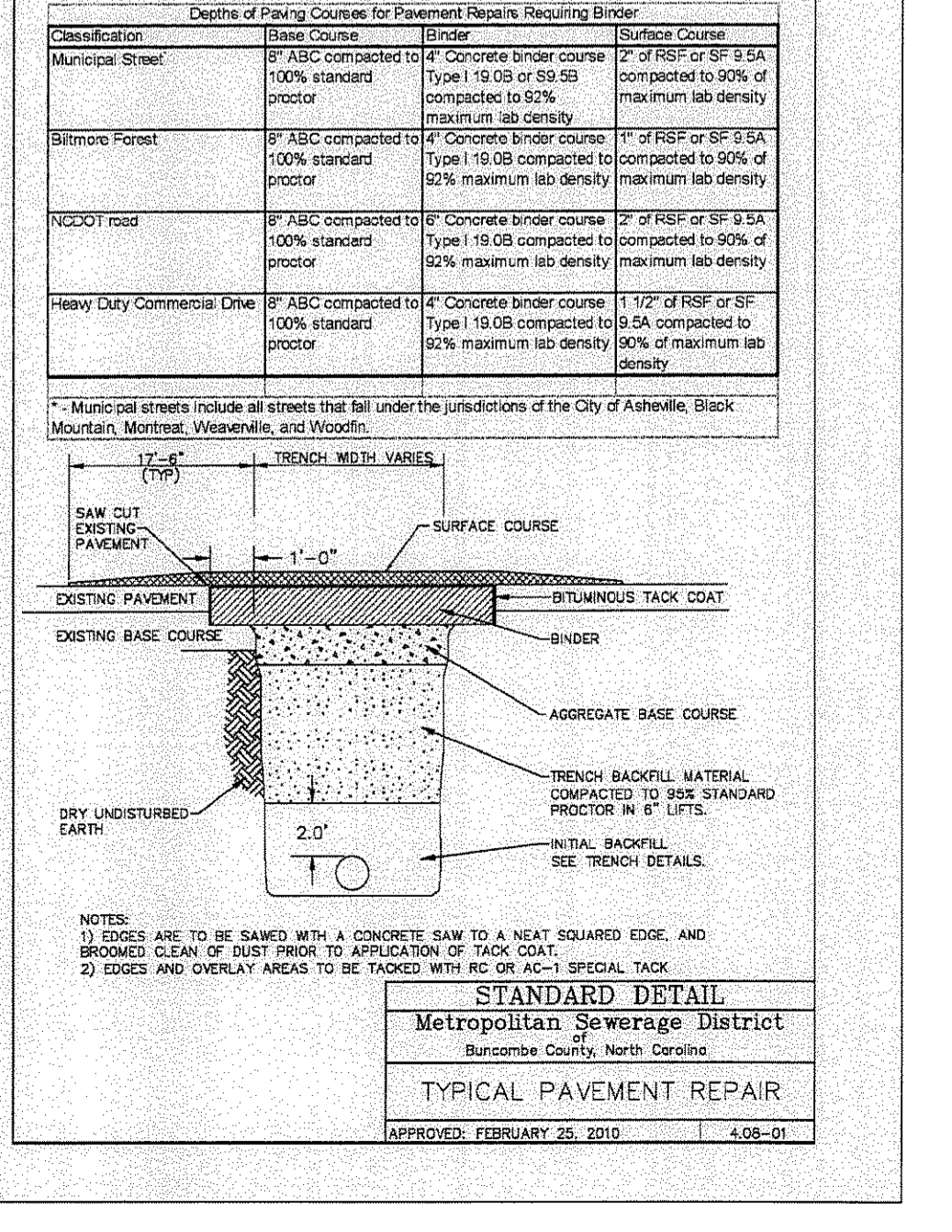
Storm Sewer - 24" Vertical
Water - 18" Vertical (Sewer over water requires that both pipes shall be ferrous pipe with a 20 foot jointless span centered at crossing).

Power - 24" Vertical
Gas - 24" Vertical
Cable - 24" Vertical

MINIMUM SEPARATION Distance from all Sewer Collection Systems are to be met or ferrous sewer pipe with joints equivalent to water main standards will be used.

Storm Sewer - 5' Horizontal
Water Mains - 10' Horizontal
Water Supply - 100' Horizontal (AS-1 Waters, Class I or Class II impounded reservoirs).
Water Supply - 50' Horizontal (WS-I, WS-II, WS-III, B, SA, or BS Waters - Natural High Water).
Other Stream, Lake or Impoundment - 10' Horizontal
Designated Trout Streams - 25' Horizontal
Building Foundation - 5' Horizontal
Basement - 10' Horizontal
Ground Water Lowering and Surface Drainage Ditch - 10' Horizontal
Swimming Pool - 10' Horizontal

Note: Absolute Minimum separation from Private Wells - 25'; Public Wells - 50'.



Depth of Paving Courses for Pavement Repairs Requiring Binder

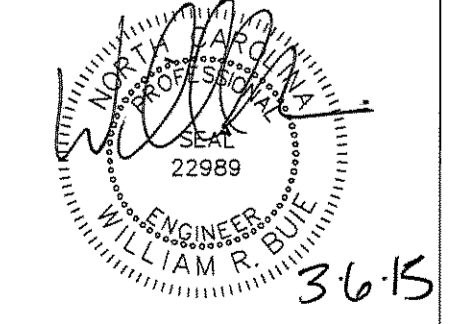
Classification	Base Course	Binder	Surface Course
Municipal Street	8" ABC compacted to 100% standard proctor	4" Concrete binder course Type 19.0B or 99.9B compacted to 90% maximum lab density	1 1/2" of RSP or SF 5.5A compacted to 90% of maximum lab density
Biltmore Forest	8" ABC compacted to 100% standard proctor	4" Concrete binder course Type 19.0B compacted to 90% maximum lab density	1 1/2" of RSP or SF 5.5A compacted to 90% of maximum lab density
Village Road	8" ABC compacted to 100% standard proctor	4" Concrete binder course Type 19.0B compacted to 90% maximum lab density	1 1/2" of RSP or SF 5.5A compacted to 90% of maximum lab density
Heavy Duty Commercial Drive	8" ABC compacted to 100% standard proctor	4" Concrete binder course Type 19.0B compacted to 90% maximum lab density	1 1/2" of RSP or SF 5.5A compacted to 90% of maximum lab density

* Municipal streets include all streets that fall under the jurisdictions of the City of Asheville, Black Mountain, Montreat, Weaverville, and Woodfin.

NOTE:
MSD-BUNCOMBE COUNTY STANDARDS SUPERCEDES ALL OTHERS IN SANITARY SEWER CONSTRUCTION.



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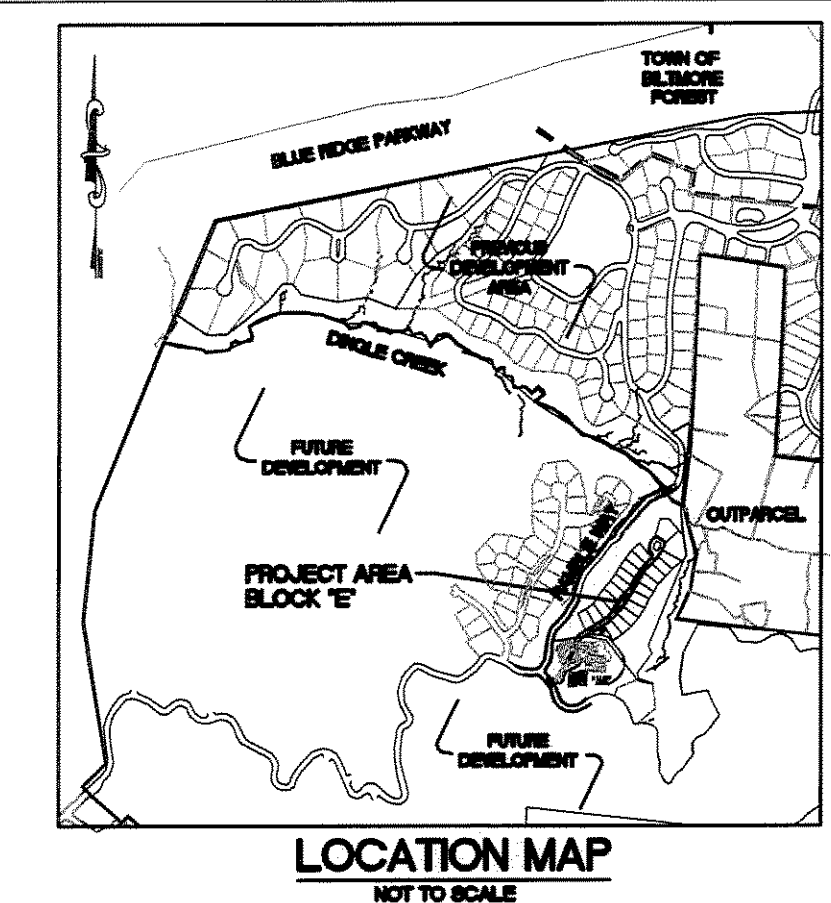
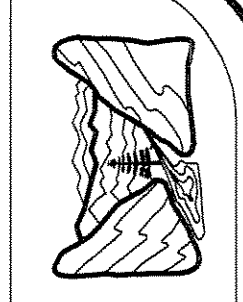
Revisions

DATE	REVISION
3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
job: 14105
drawn: KHC

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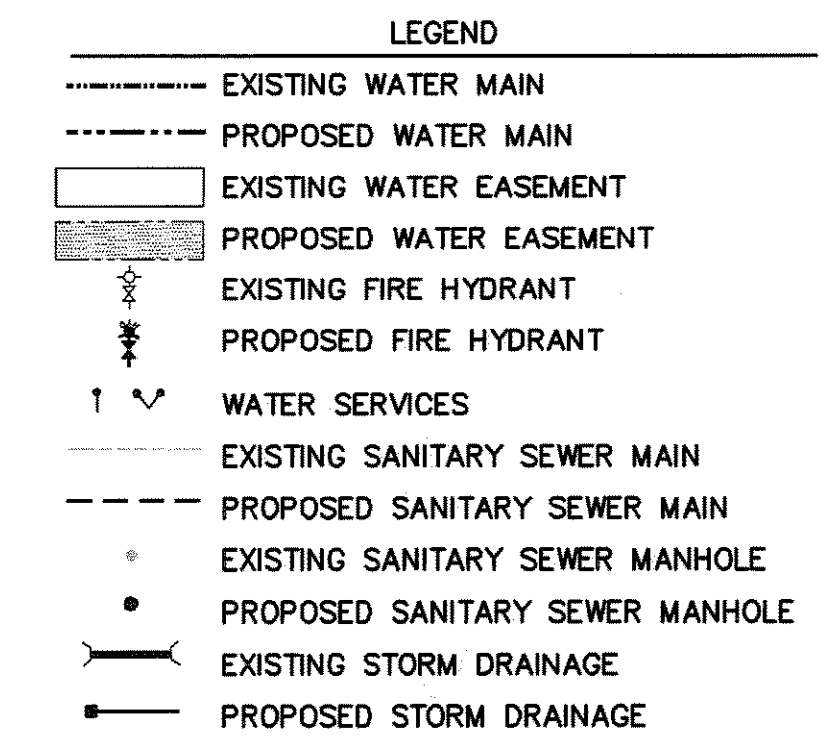
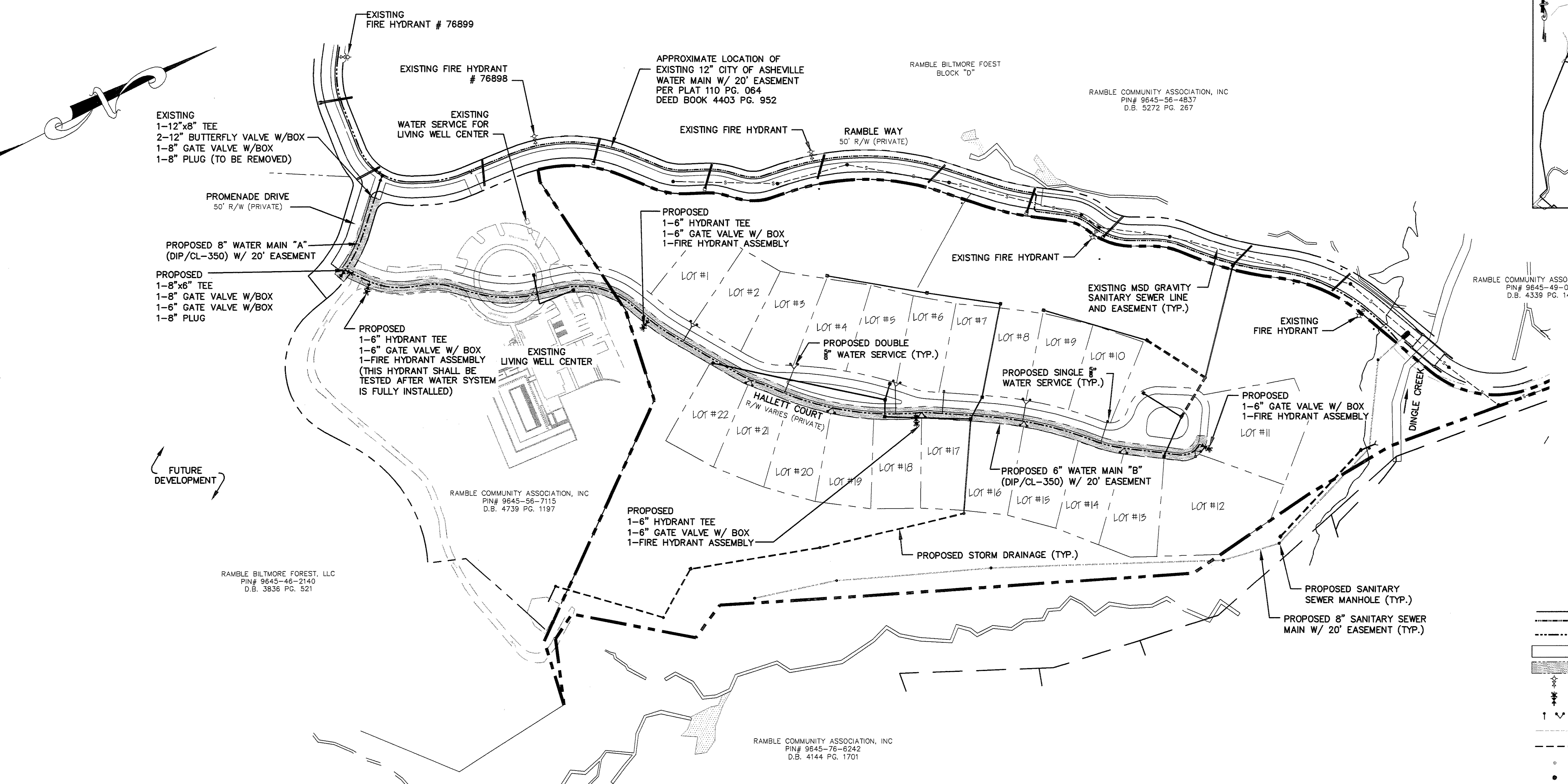


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THE RAMBLE BILTMORE FOREST
BLOCK "E"
BUNCOMBE COUNTY
NORTH CAROLINA

WATER SYSTEM LAYOUT

sheet
C-500



NOTE:
* A MINIMUM OF 10 FT. HORIZONTAL AND 18" VERTICAL SEPARATION BETWEEN WATER AND SANITARY SEWER LINES MUST BE MAINTAINED. WHERE THE SEWER LINE INSTALLATION DOES NOT CONFORM TO THIS REQUIREMENT OR HAVE A MINIMUM COVER OF 36" FROM THE GROUND SURFACE OR 24" VERTICAL SEPARATION FROM STORM DRAINAGE LINES - SEWER PIPE MUST BE OF A FERROUS MATERIAL.

CITY OF ASHEVILLE PROJECT NO. WPFY 14-15-046
WATER LINE EASEMENT PLAT PB _____ PG _____
WATER LINE EASEMENT DOCUMENT DB _____ PG _____
ESTOPPEL CERTIFICATE REQUIRED YES_X_NO _____

- NOTES:
- CITY OF ASHEVILLE STANDARDS SUPERSEDE ALL OTHERS.
 - INSTALLATIONS SHALL BE IN ACCORDANCE WITH THE CITY OF ASHEVILLE'S CURRENT DESIGN GUIDELINES UNDER THE INSPECTION OF THE CITY OF ASHEVILLE AND BY A NORTH CAROLINA LICENSED UTILITY CONTRACTOR.
 - THE WATERLINE SHALL BE PLACED WITHIN THE BENCH WITH A MINIMUM 2' SEPARATION FROM THE EDGE OF PAVEMENT AND A MINIMUM OF 3' SEPARATION FROM THE EDGE OF SLOPES.
 - ALL WATER METERS SHALL BE PLACED IN FRONT OF THE PROPERTY WHICH THEY WILL SERVE AND THEY MUST BE INSTALLED IN RELATIVELY FLAT AREAS NOT IN STEEP BANKS OR SLOPES.
 - ALL FIRE HYDRANTS MUST BE PLACED IN RELATIVELY FLAT AREAS, NOT IN STEEP BANKS OR SLOPES, AND MUST HAVE 3' OF CLEAR SPACE AROUND THE HYDRANT.
 - ALL BRASS FITTINGS MUST BE CERTIFIED LEAD FREE.
 - ALL METERS SHALL BE PLACED PER CITY OF ASHEVILLE DETAIL AS SHOWN ON DETAIL SHEET.
 - ALL PROPOSED ROADS ARE TO BE PRIVATE.
 - A MINIMUM OF 3 FEET IS REQUIRED BETWEEN THE WATER LINES AND ANY OTHER UNDERGROUND UTILITY.
 - WATER MAIN SHALL BE INSTALLED WITH 3 FEET COVER OVER WATER MAIN. ALL FIRE HYDRANTS, WATER METERS AND AIR RELEASE VALVES SHALL BE LOCATED OUTSIDE DRIVEWAYS.
 - RESTRAINED JOINTS BY A CITY OF ASHEVILLE APPROVED PIPE MANUFACTURER ARE TO BE USED FOR ALL PUBLIC WATER LINES. THRUST BLOCKS ARE PERMITTED WHERE CONNECTIONS ARE MADE TO EXISTING WATER MAIN OR WHERE THE USE OF MECHANICAL RESTRAINT IS NOT FEASIBLE.
 - ALL WATER METERS ARE TO BE LOCATED WITHIN 5' OF THE BACK OF CURB OR IN ACCORDANCE WITH DETAIL W.06 FOR WATER MAINS NEXT TO SIDEWALKS.
 - 911 ADDRESSES ISSUED FROM BUNCOMBE COUNTY ARE REQUIRED BY BUNCOMBE COUNTY BEFORE WATER RELEASE.
 - MINIMUM CLEARANCE BETWEEN THE WATER MAIN AND DRAINAGE STRUCTURES IS 3 FEET. MINIMUM CLEARANCE BETWEEN THE WATER SERVICES AND DRAINAGE STRUCTURES IS 3 FEET.

DEVELOPMENT BLOCK:

PROJECT NAME: THE RAMBLE BILTMORE FOREST BLOCK "E"

PROJECT ADDRESS: RAMBLE WAY

OWNER/DEVELOPER: RAMBLE BILTMORE FROEST, LLC
ONE TOWN SQUARE BLVD, SUITE 330
ASHEVILLE, NC 28803
(828) 209-2000

CONTACT PERSON: LEE THOMASON
ONE TOWN SQUARE BLVD, SUITE 330
ASHEVILLE, NC 28803
(828) 209-2000

ENGINEER: WILLIAM R. BUIE, P.E.
WGLA ENGINEERING, PLLC
214 N. KING STREET
HENDERSONVILLE, NC 28792
(828) 687-7177

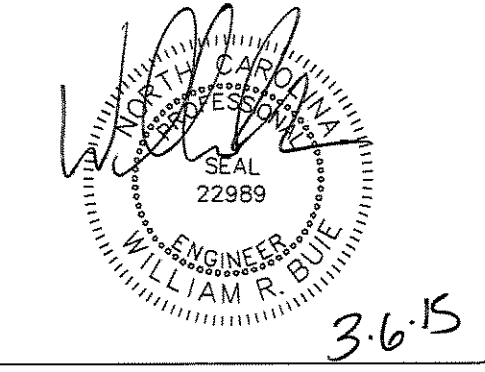
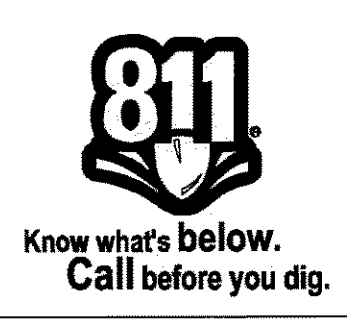
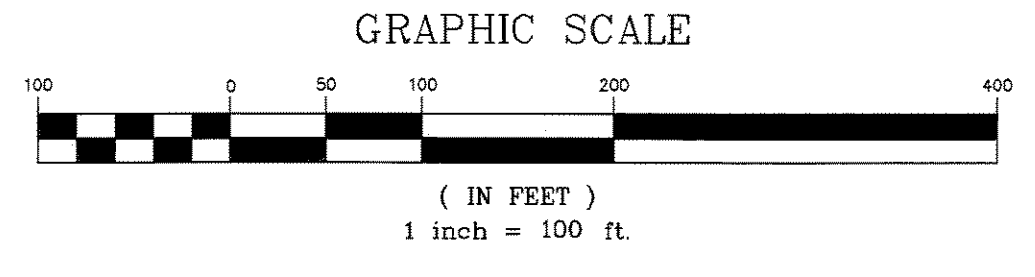
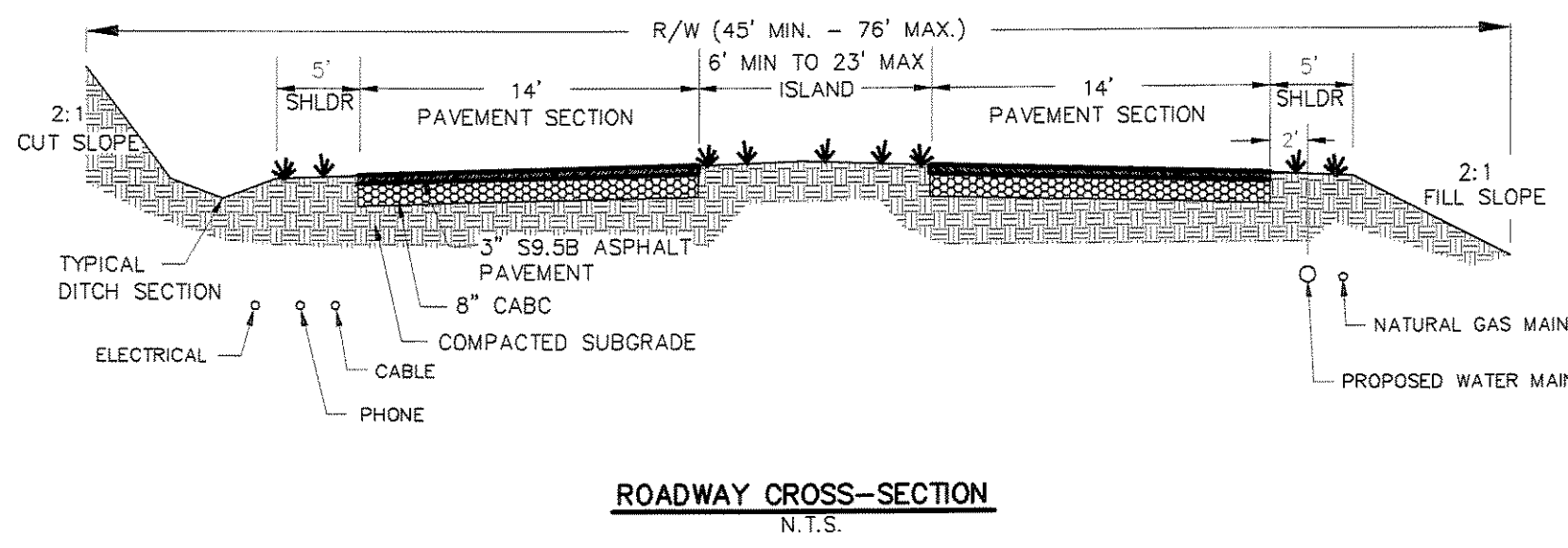
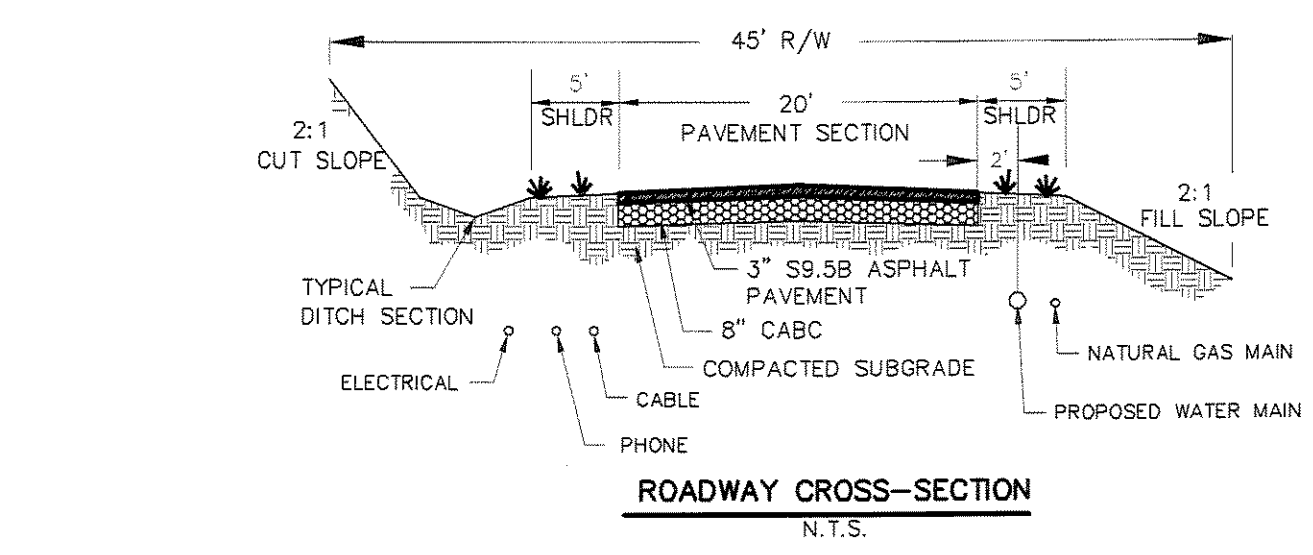
PIN #: 9645-46-1075

TOTAL PROPERTY SIZE: 19.47± AC.

TOTAL # OF PROPOSED LOTS: 2 LOTS

DEED REF: D.B. 3836 PG. 0521

TOWNSHIP: LOWER HOMINY CREEK

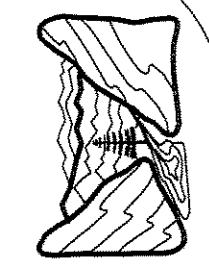


Revisions

3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
job: 14105
drawn: KHC

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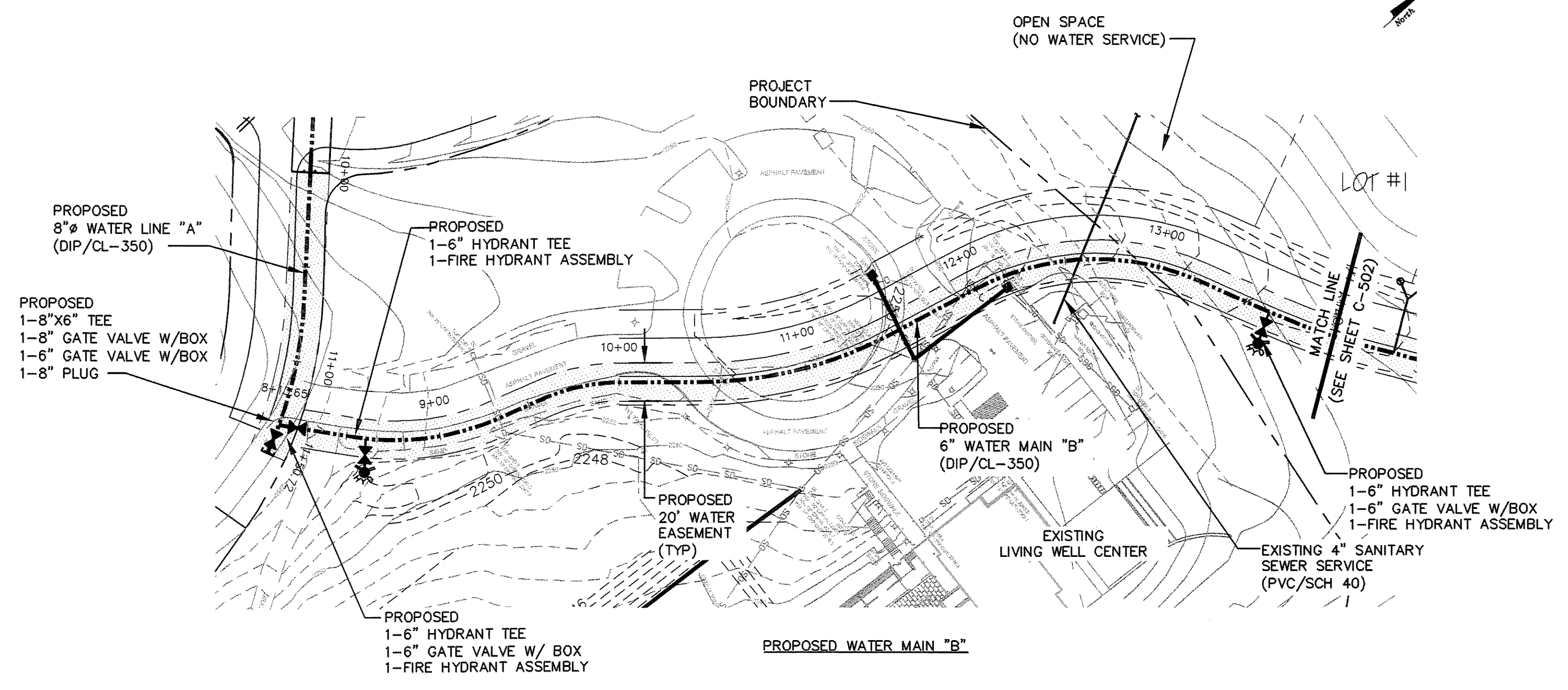
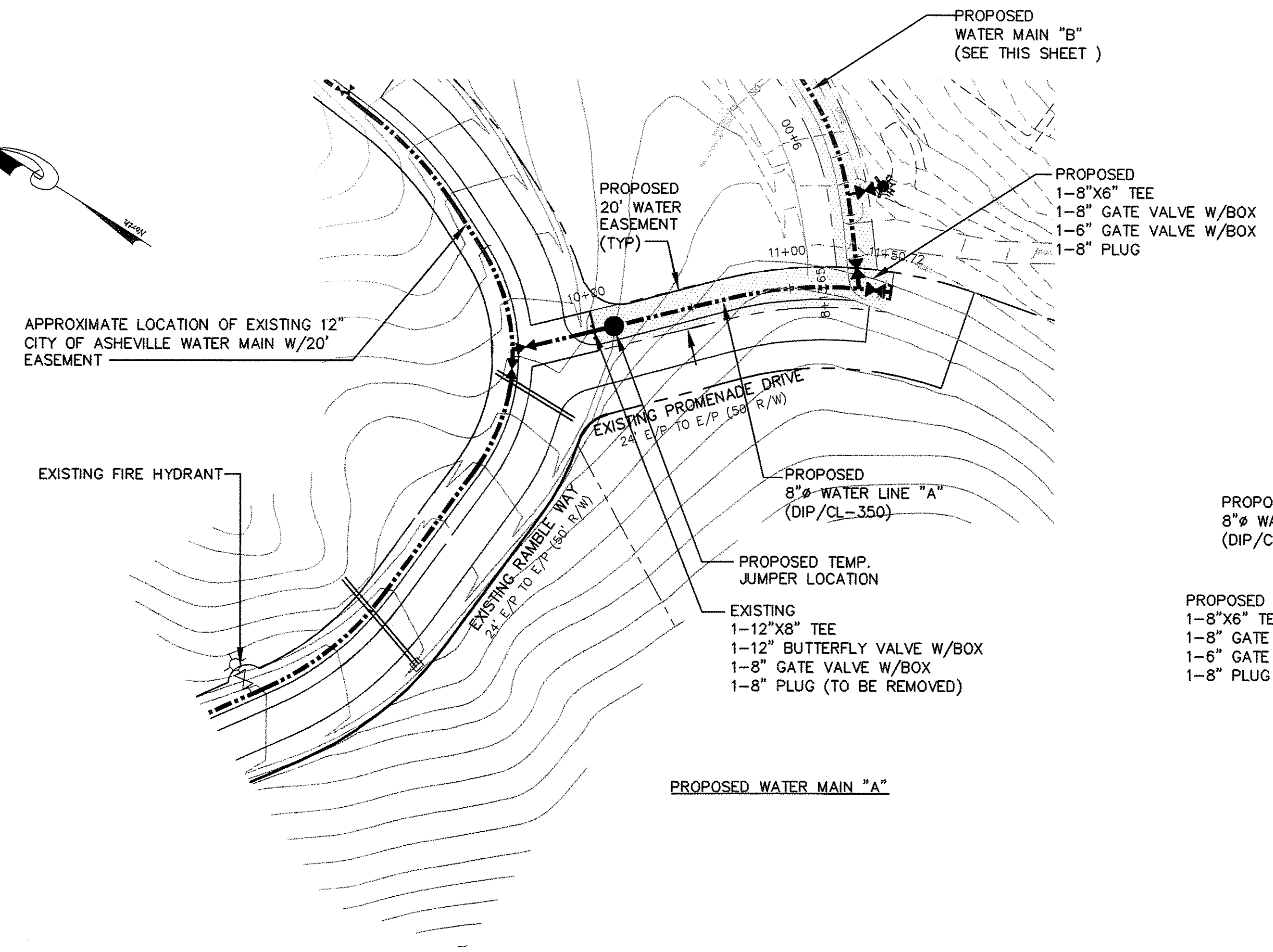


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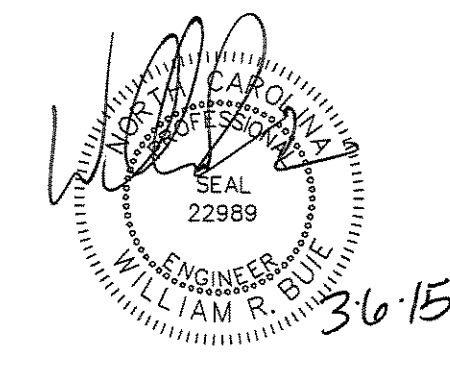
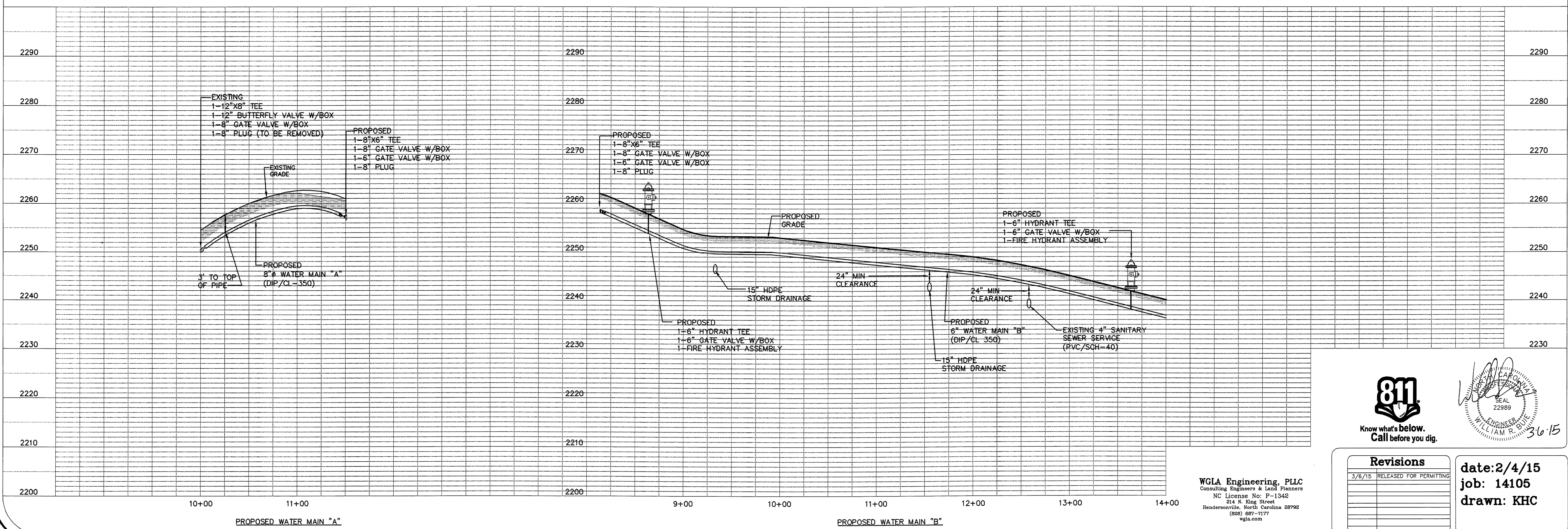
THE RAMBLE BILTMORE FOREST
 BLOCK "E"
 BUNCOMBE COUNTY
 NORTH CAROLINA

WATER MAIN
PLAN & PROFILE

sheet
C-501



HORIZONTAL SCALE 1"=50'
 VERTICAL SCALE 1"=10'

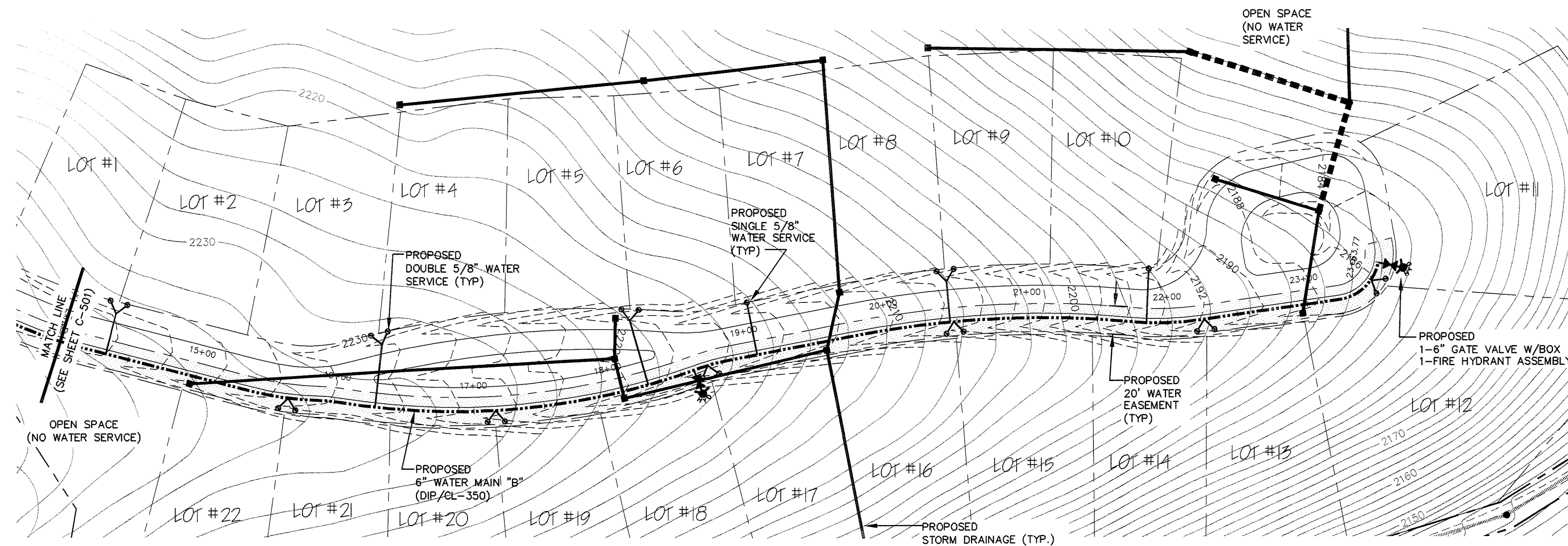


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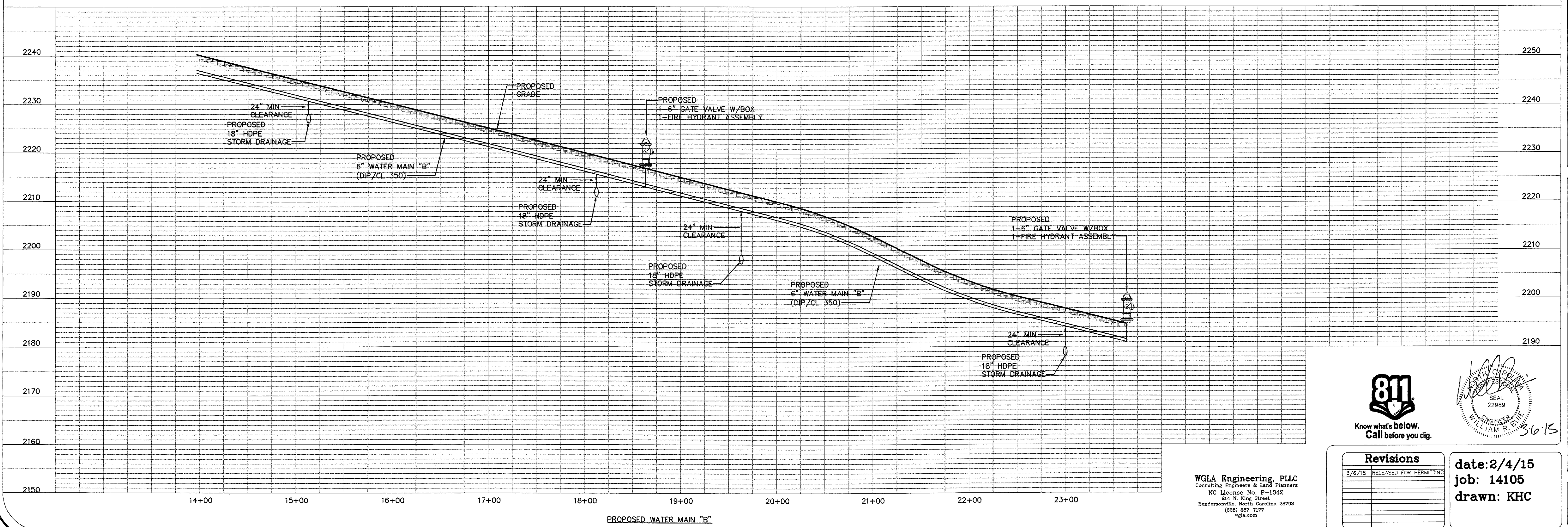
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PROPOSED WATER MAIN "B"

HORIZONTAL SCALE 1"=50'
VERTICAL SCALE 1"=10'



PROPOSED WATER MAIN "B"

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job: 14105
drawn: KHC

SEAL
ENGINEER
WILLIAM R. BLIVE
3-6-15

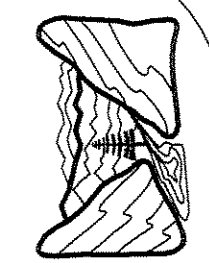
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THE RAMBLE BILTMORE FOREST
BLOCK "E"
BUNCOMBE COUNTY
NORTH CAROLINA

WATER MAIN
PLAN & PROFILE

sheet
C-502

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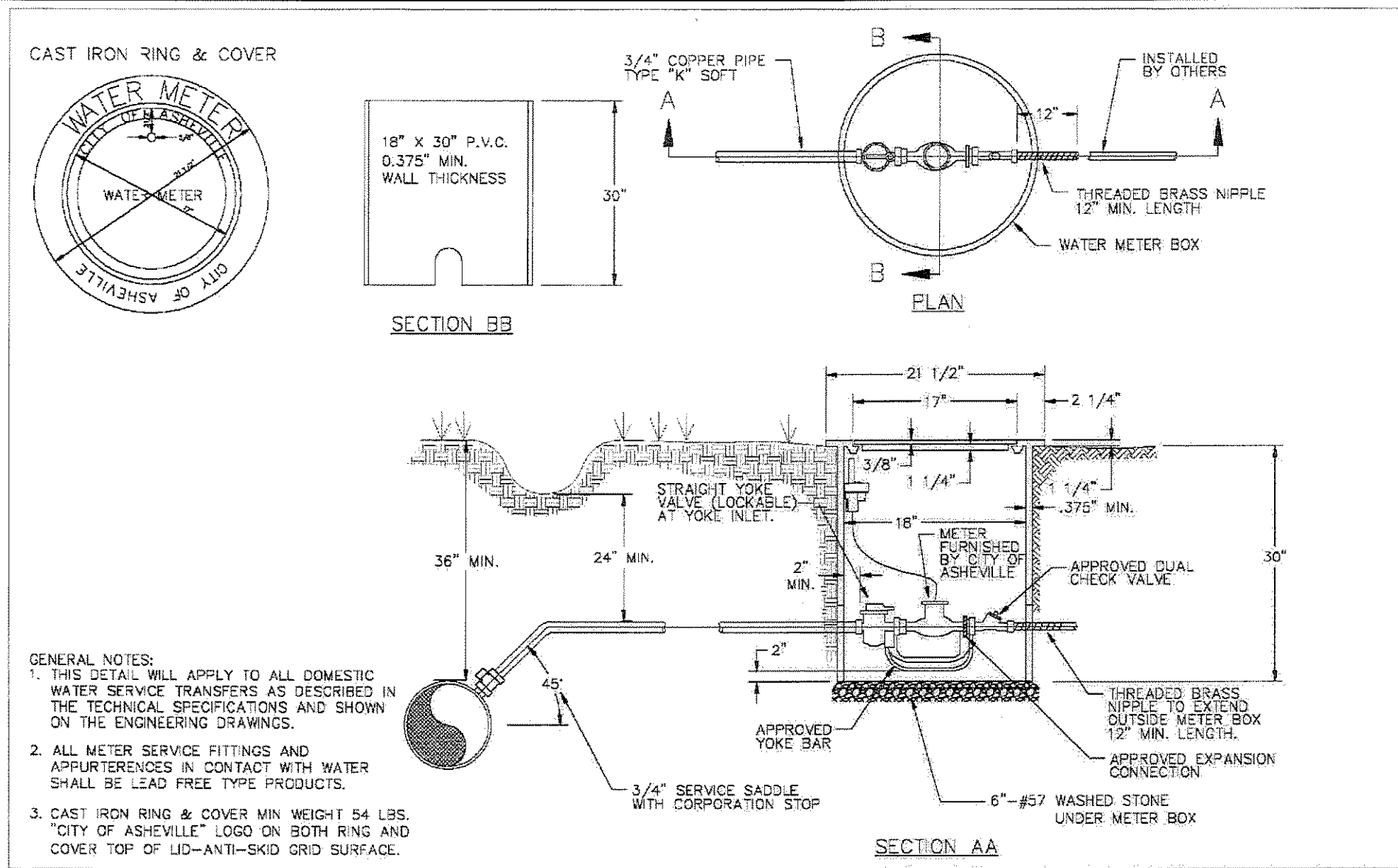


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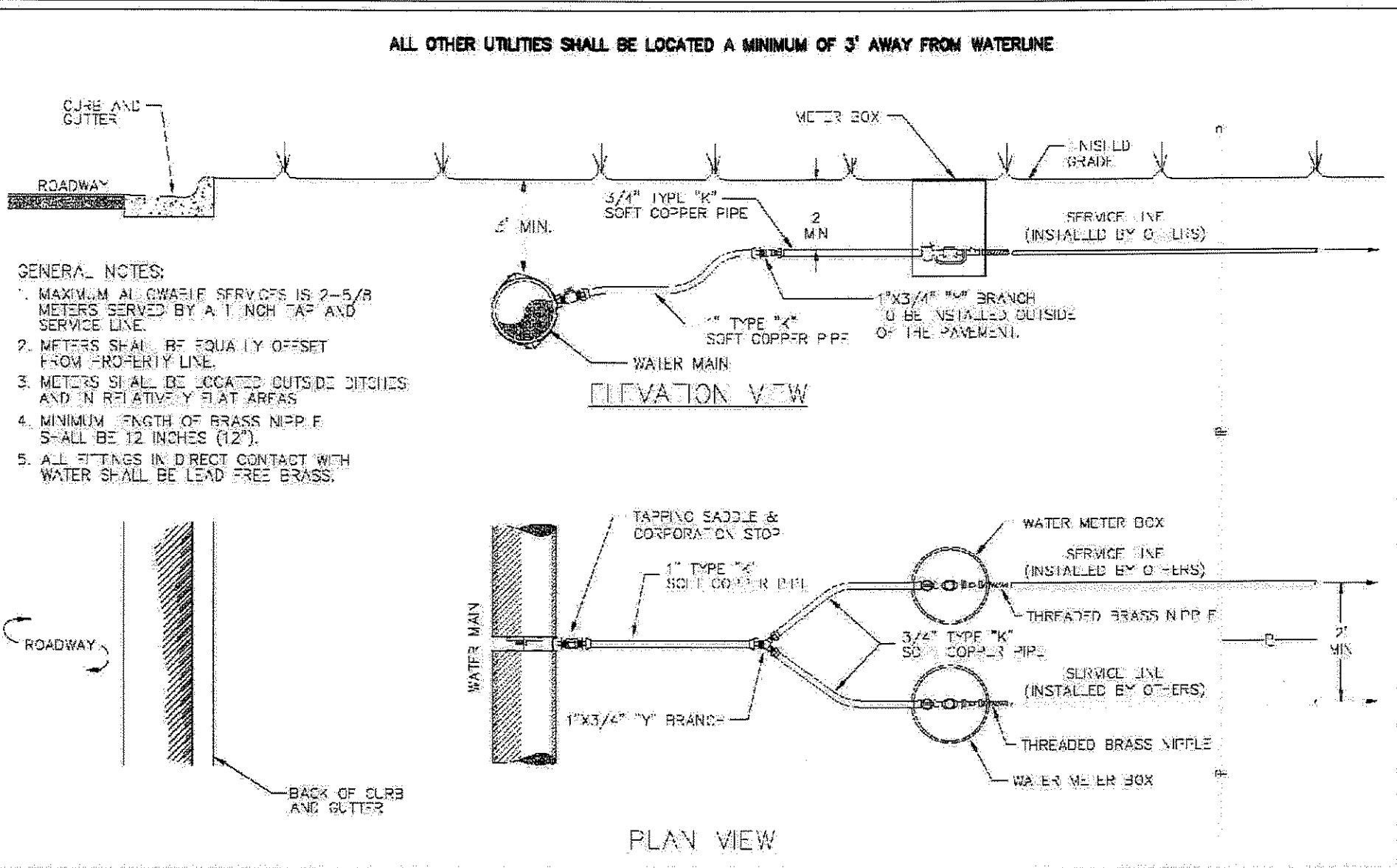
THE RAMBLE BILTMORE FOREST
BLOCK "E"
BUNCOMBE COUNTY
NORTH CAROLINA

WATER SYSTEM DETAILS

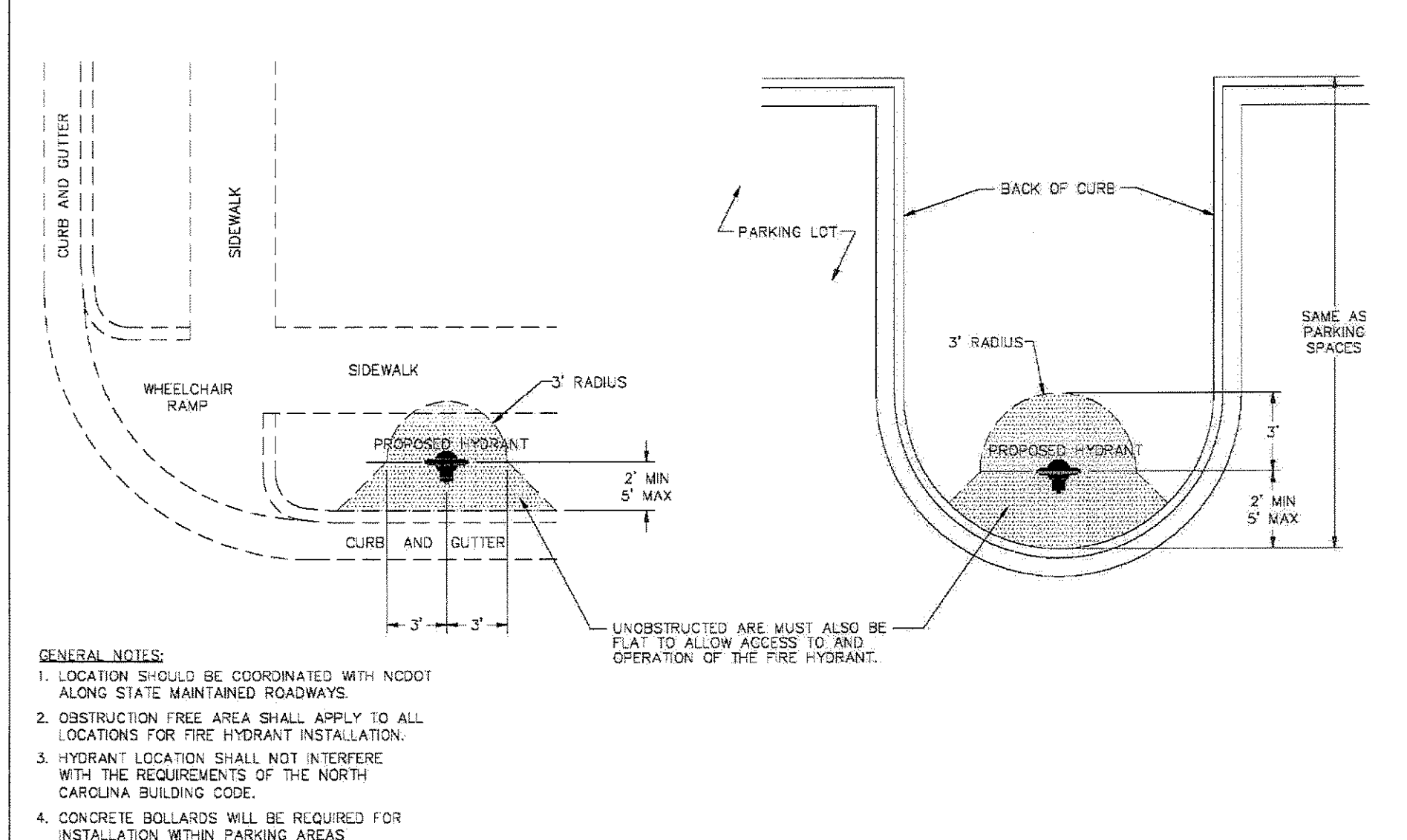
sheet
C-503



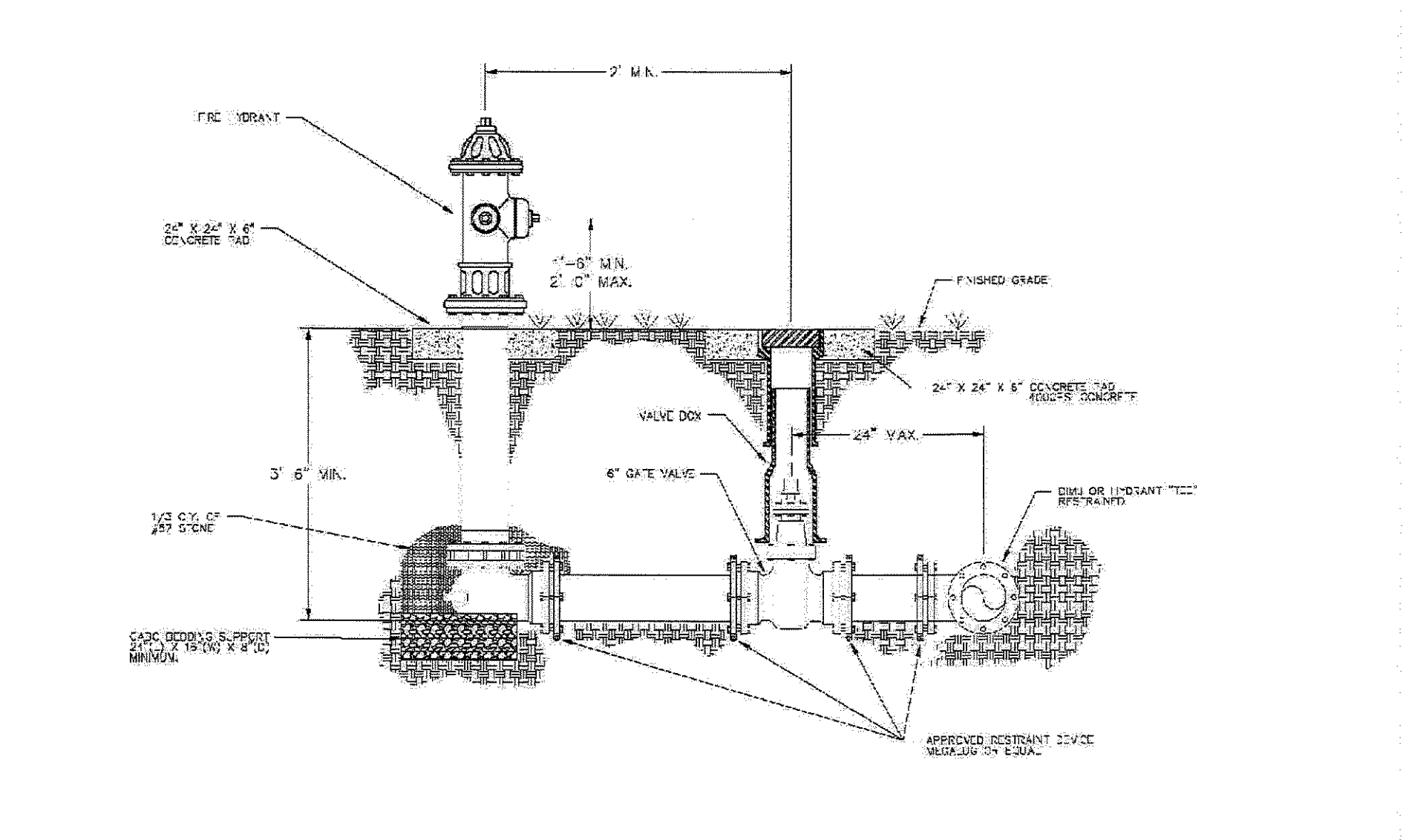
City of Asheville, NC
WATER ENGINEERING DIVISION
5/8" - 3/4" WATER METER BOX
 DATE: 6/2008 REVISION: 1 DESCRIPTION: REVISED DETAIL FROM 6.01
 STD. NO. **W.01**



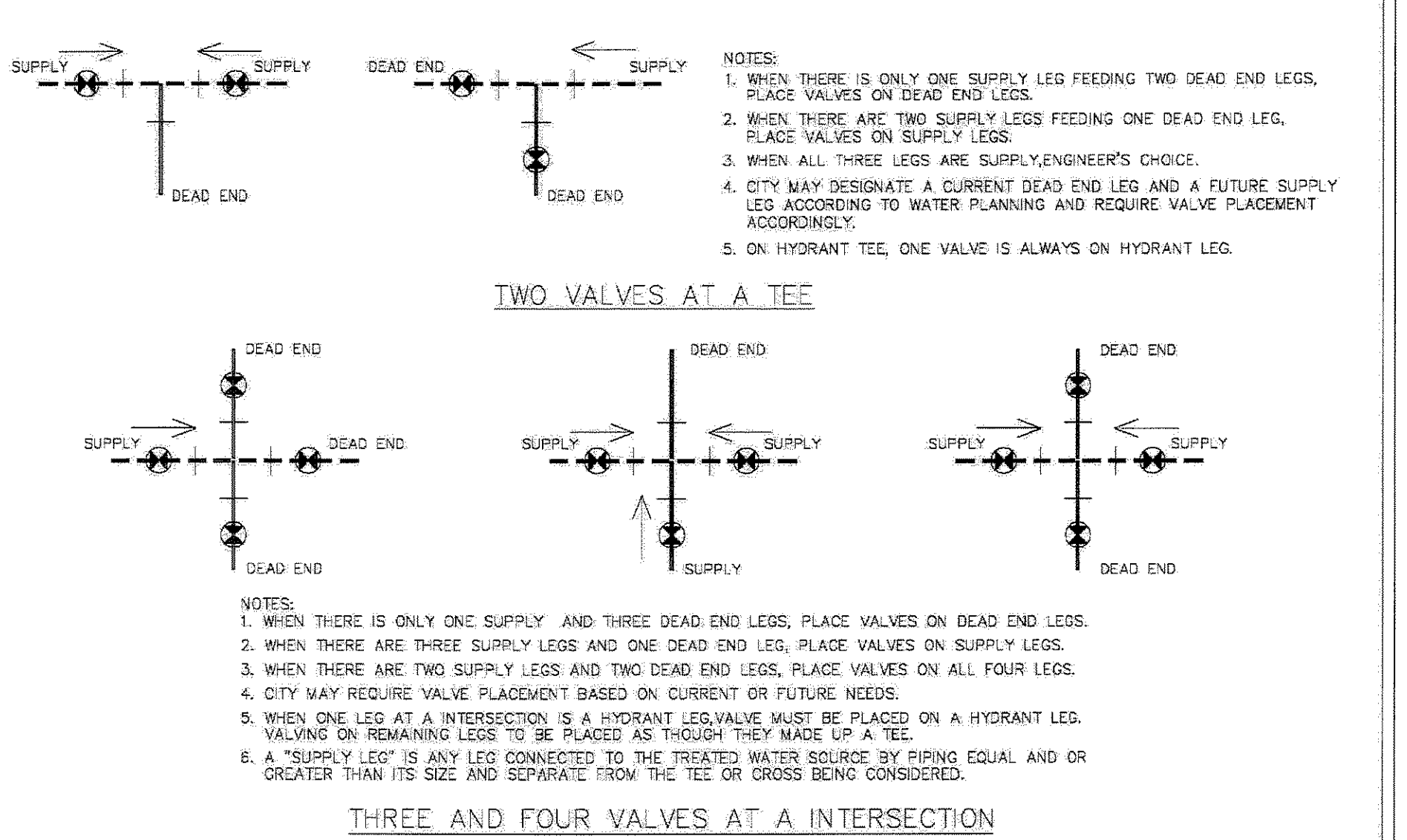
City of Asheville, NC
WATER ENGINEERING DIVISION
STANDARD MULTIPLE BRANCH SERVICES
 DATE: 6/2008 REVISION: 1 DESCRIPTION: REVISED DETAIL FROM 6.15
 STD. NO. **W.05**



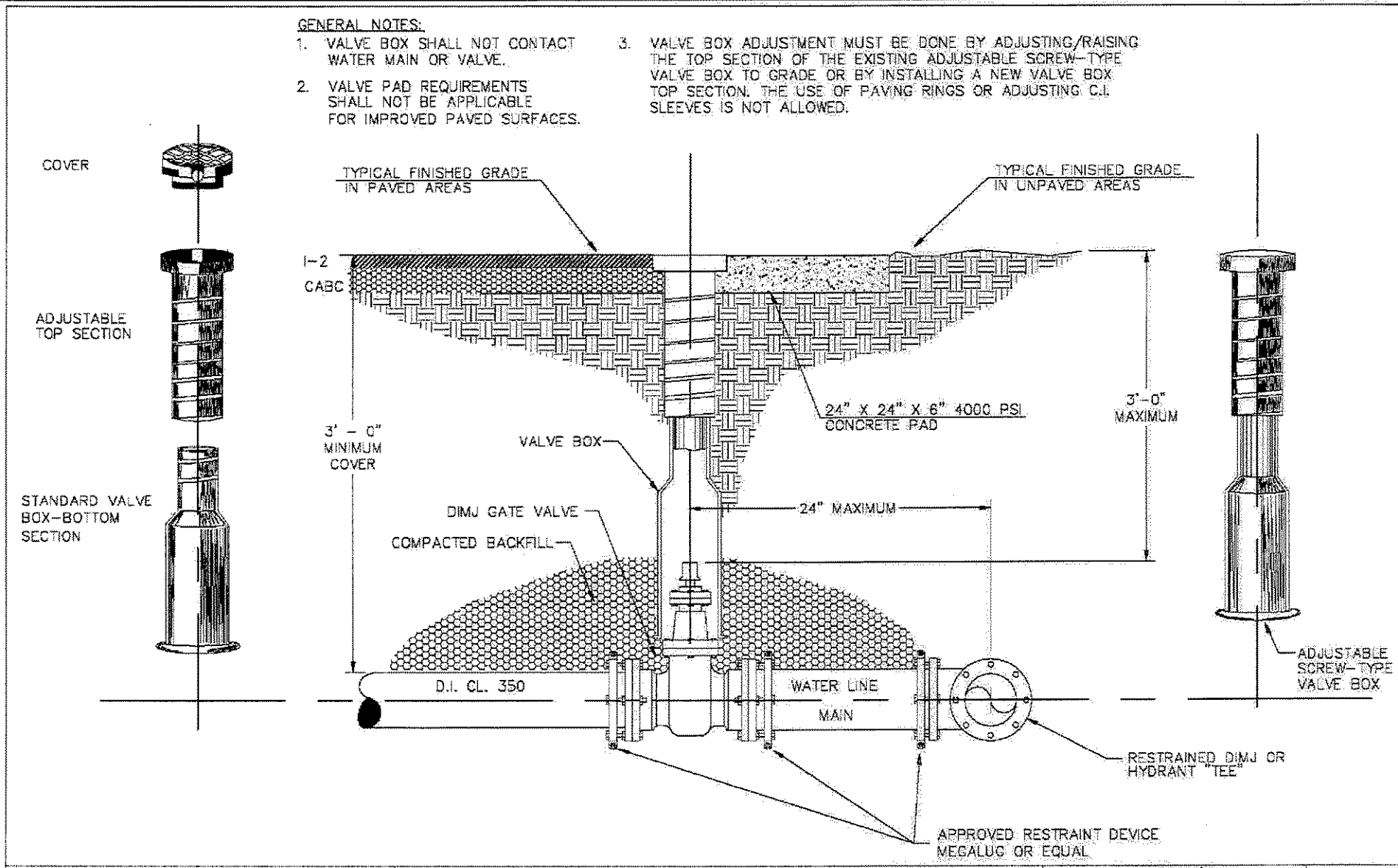
City of Asheville, NC
WATER ENGINEERING DIVISION
STANDARD HYDRANT LOCATION
 DATE: 6/2008 REVISION: 1 DESCRIPTION: REVISED DETAIL FROM 6.07
 STD. NO. **W.15**



City of Asheville, NC
WATER ENGINEERING DIVISION
FIRE HYDRANT INSTALLATION
 DATE: 6/2008 REVISION: 1 DESCRIPTION: REVISED DETAIL FROM 6.06
 STD. NO. **W.16**



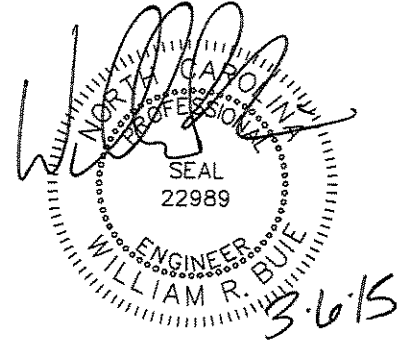
City of Asheville, NC
WATER ENGINEERING DIVISION
TYPICAL VALVING CONFIGURATION
 DATE: 6/2008 REVISION: 1 DESCRIPTION: REVISED DETAIL FROM 6.17
 STD. NO. **W.17**



City of Asheville, NC
WATER ENGINEERING DIVISION
TYPICAL VALVE & VALVE BOX INSTALLATION / ADJUSTMENT
 DATE: 6/2008 REVISION: 1 DESCRIPTION: REVISED DETAIL FROM 6.06
 STD. NO. **W.18**



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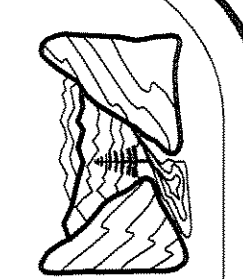


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3/6/15	RELEASED FOR PERMITTING

date: 2/4/15
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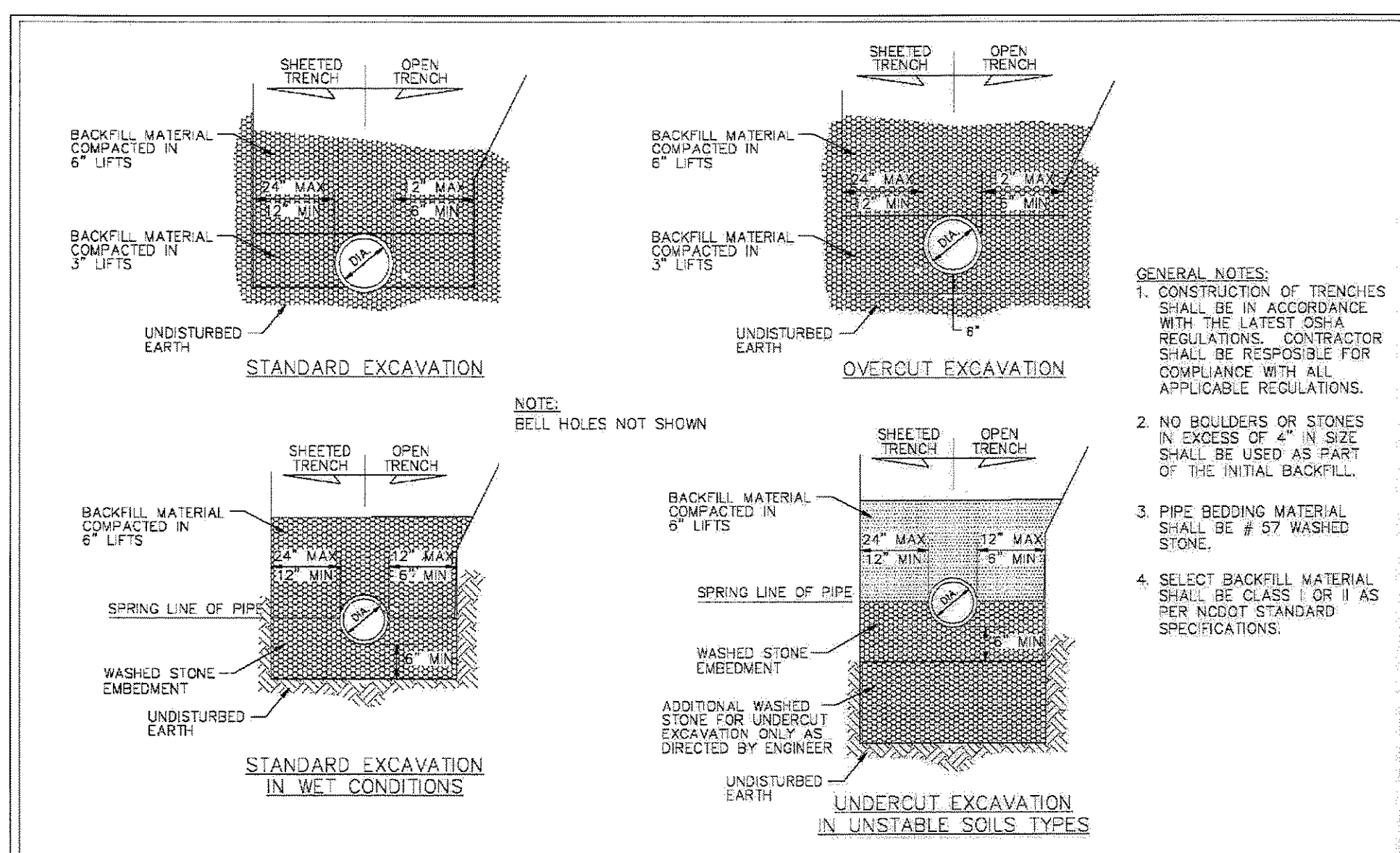


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THE RAMBLE BILTMORE FOREST
BLOCK "D"
BUNCOMBE COUNTY
NORTH CAROLINA

WATER SYSTEM DETAILS

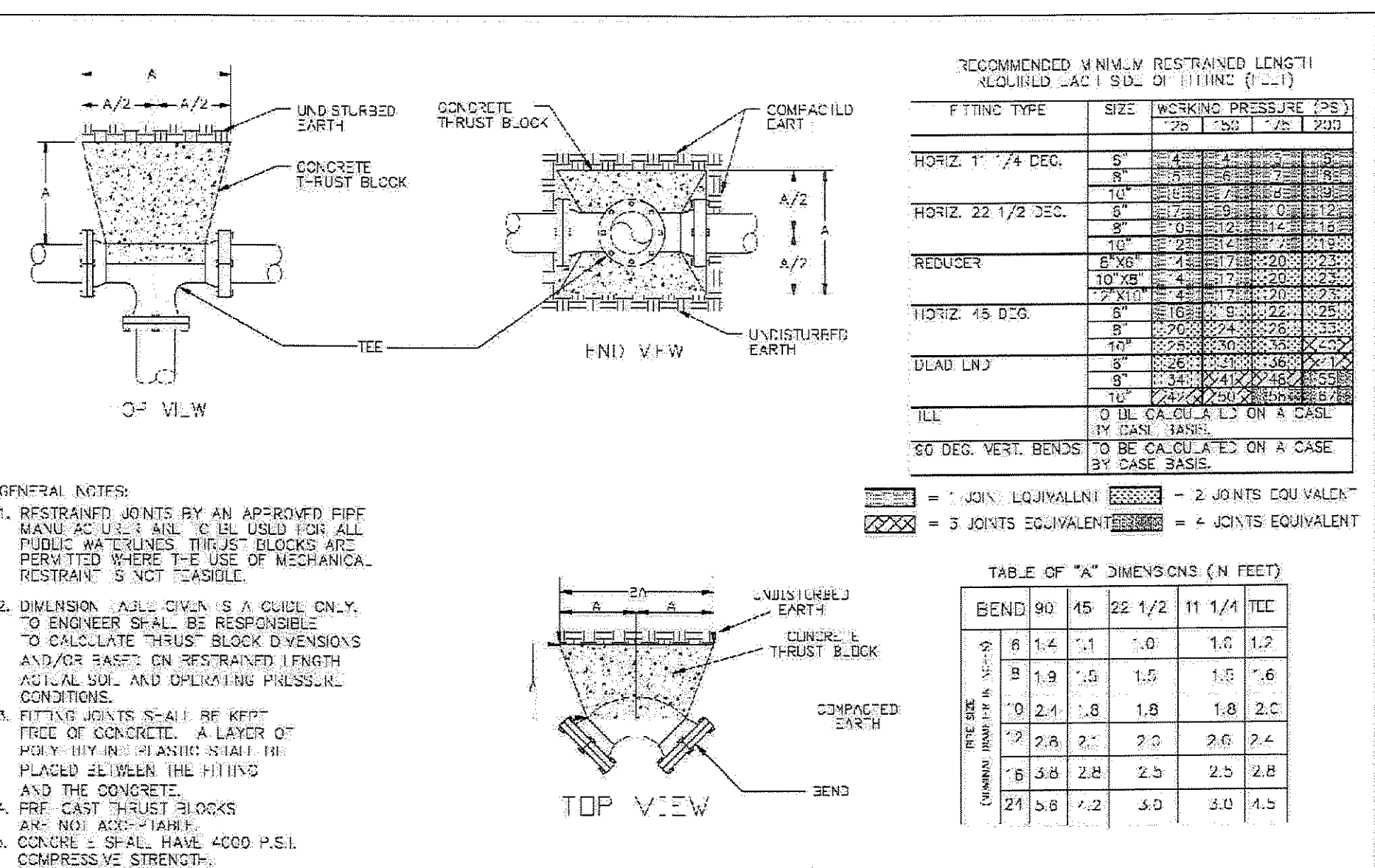
sheet
C-504



City of Asheville, NC
WATER ENGINEERING DIVISION

TYPICAL TRENCH DETAIL

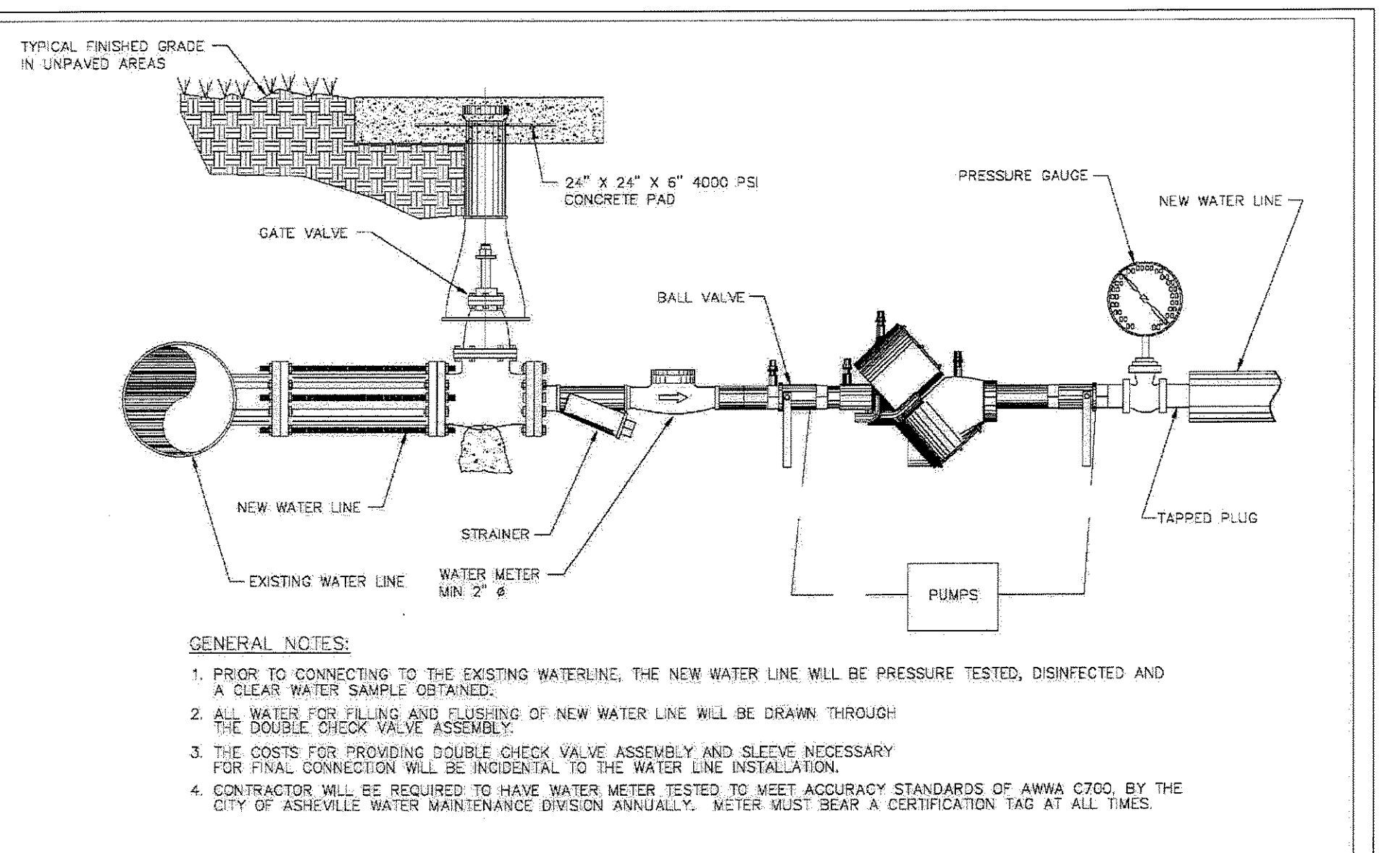
REVISIONS: DATE 8/2009, DESCRIPTION REVISED DETAIL FROM 6.18, STD. NO. **W.21**



City of Asheville, NC
WATER ENGINEERING DIVISION

THRUST BLOCK FOR FITTINGS & RESTRAINING REQUIREMENTS

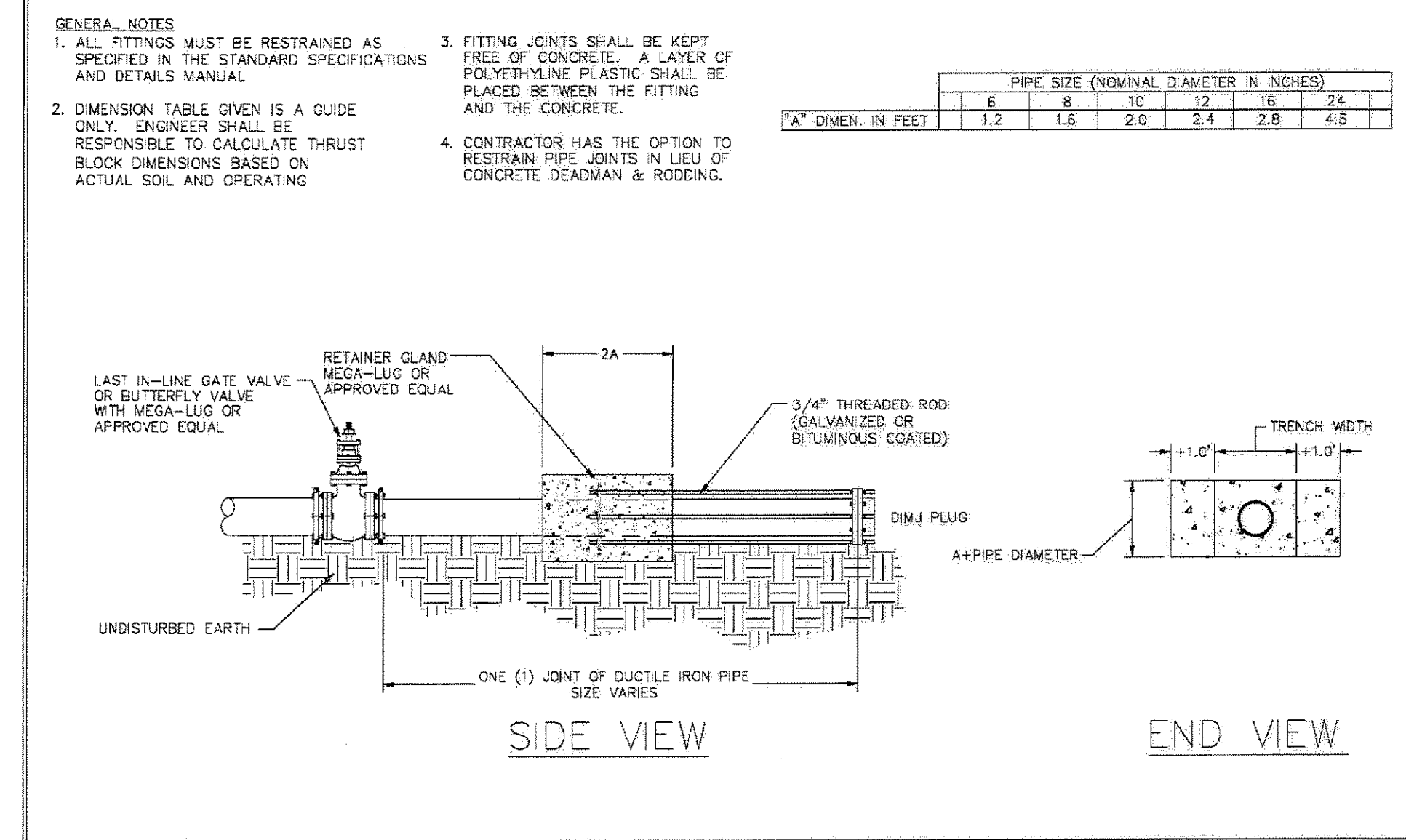
REVISIONS: DATE 8/2009, DESCRIPTION REVISED DETAIL FROM 6.18, STD. NO. **W.22**



City of Asheville, NC
WATER ENGINEERING DIVISION

NEW WATER LINE PRESSURE TEST BACKFLOW PREVENTION ASSEMBLY

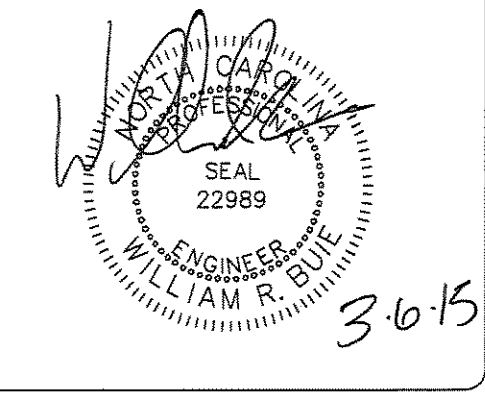
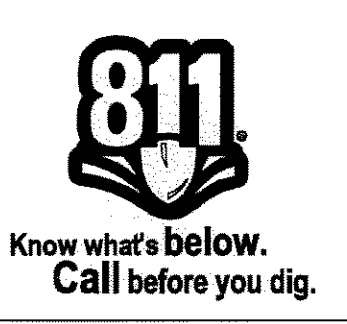
REVISIONS: DATE 8/2009, DESCRIPTION REVISED DETAIL FROM 6.21, STD. NO. **W.28**



City of Asheville, NC
WATER ENGINEERING DIVISION

END OF LINE PLUG

REVISIONS: DATE 8/2009, DESCRIPTION REVISED DETAIL FROM 6.14, STD. NO. **W.23**



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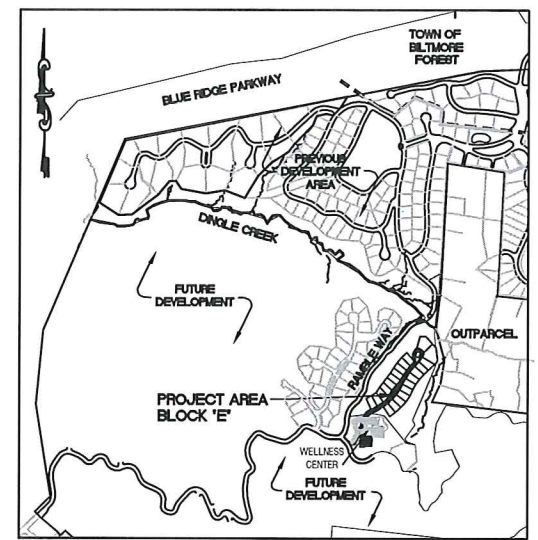


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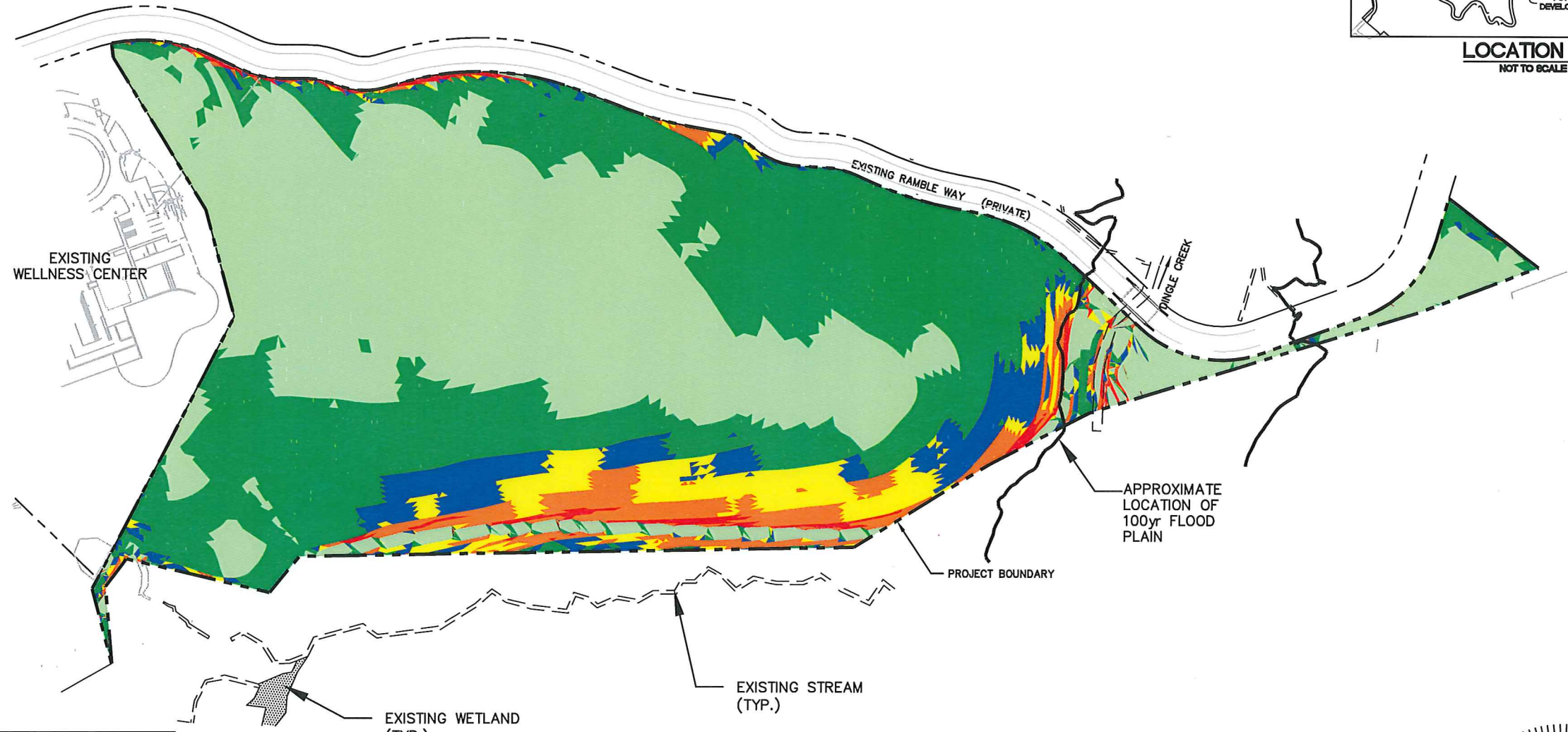
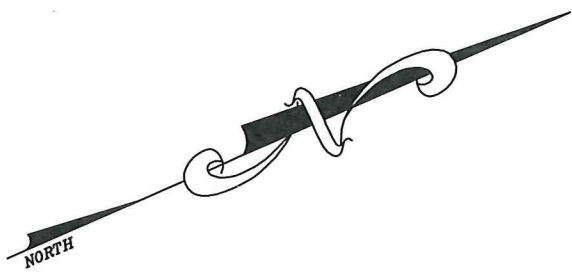
THE RAMBLE BILTMORE FOREST
BLOCK 'E'
BUNCOMBE COUNTY
NORTH CAROLINA

SLOPE ANALYSIS MAP

sheet
C-1.0

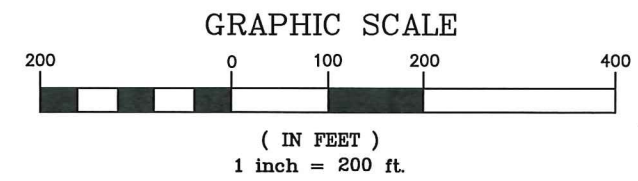


LOCATION MAP
NOT TO SCALE



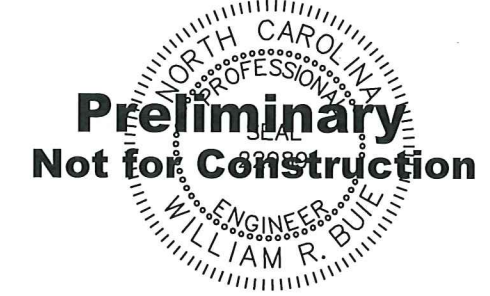
NOTE:
1.) TOTAL SLOPE 35% AND GREATER 1.09± AC. 5.6%±
2.) TOTAL SITE NATURAL AVERAGE SLOPE IS XX%±

LEGEND			
	0% TO LESS THAN 15% SLOPE	8.98± AC.	46.2%±
	15% TO LESS THAN 25% SLOPE	7.27± AC.	37.3%±
	25% TO LESS THAN 30% SLOPE	1.12± AC.	5.7%±
	30% TO LESS THAN 35% SLOPE	1.01± AC.	5.2%±
	35% TO LESS THAN 50% SLOPE	0.85± AC.	4.4%±
	50% AND GREATER SLOPE	0.24± AC.	1.2%±
	PROJECT BOUNDARY		



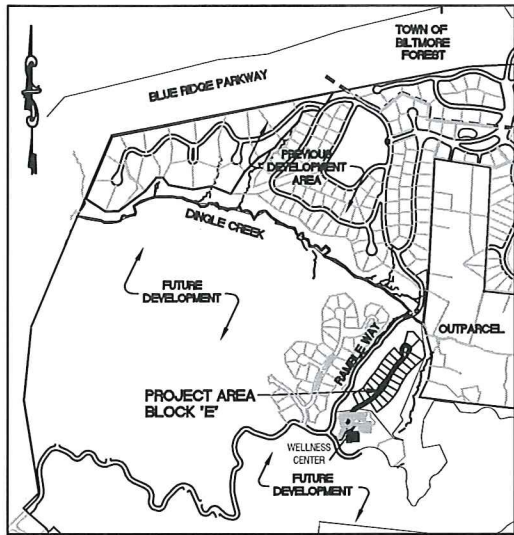
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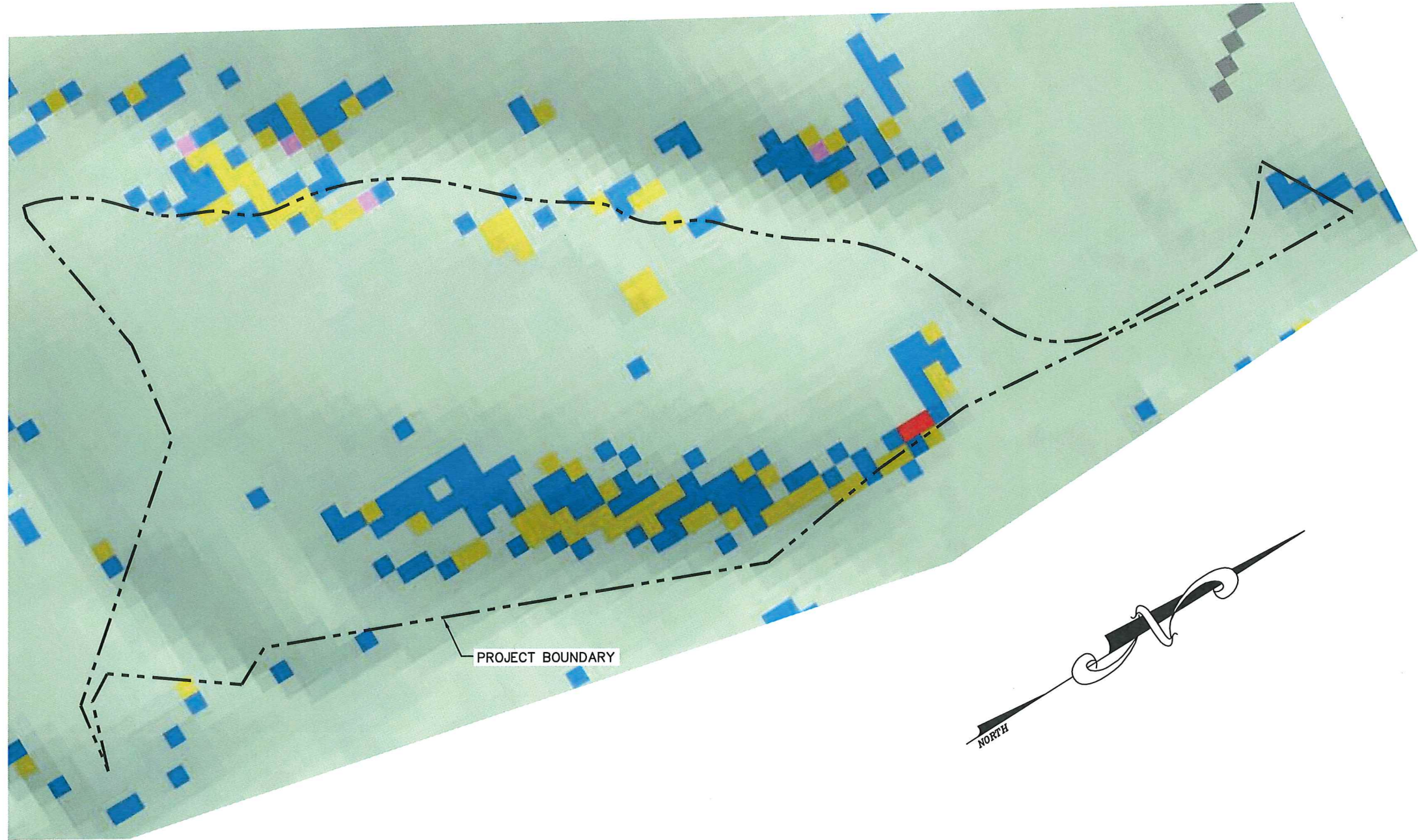


Revisions

date: 2/11/15
job: 14105
drawn: TWT



LOCATION MAP
NOT TO SCALE



LEGEND	
	STABLE
	MODERATELY STABLE
	NOMINALLY STABLE
	LOWER THRESHOLD OF INSTABILITY

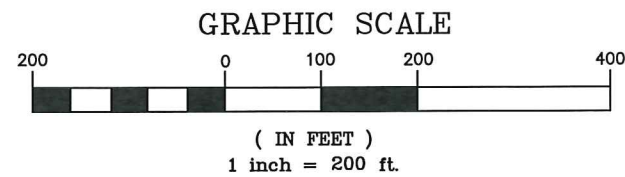


IMAGE REF.: GEOLOGIC HAZARDS MAP SERIES 4 SLOPE MOVEMENT HAZARD MAPS OF BUNCOMBE COUNTY, NORTH CAROLINA VERSION AUGUST 24, 2009.



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Preliminary
Not for Construction

NORTH CAROLINA PROFESSIONAL SEAL
ENGINEER
WILLIAM R. BUJE

Revisions

date: 2/11/15
job: 14105
drawn: TWT



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HENDERSONVILLE, NORTH CAROLINA

THE RAMBLE BILTMORE FOREST
BLOCK "E"
BUNCOMBE COUNTY
NORTH CAROLINA

SLOPE STABILITY MAP

sheet
C-1.0

ATTACHMENT D

Buncombe County Planning Board Meeting
Recommended Staff Conditions

SUB2015-00079

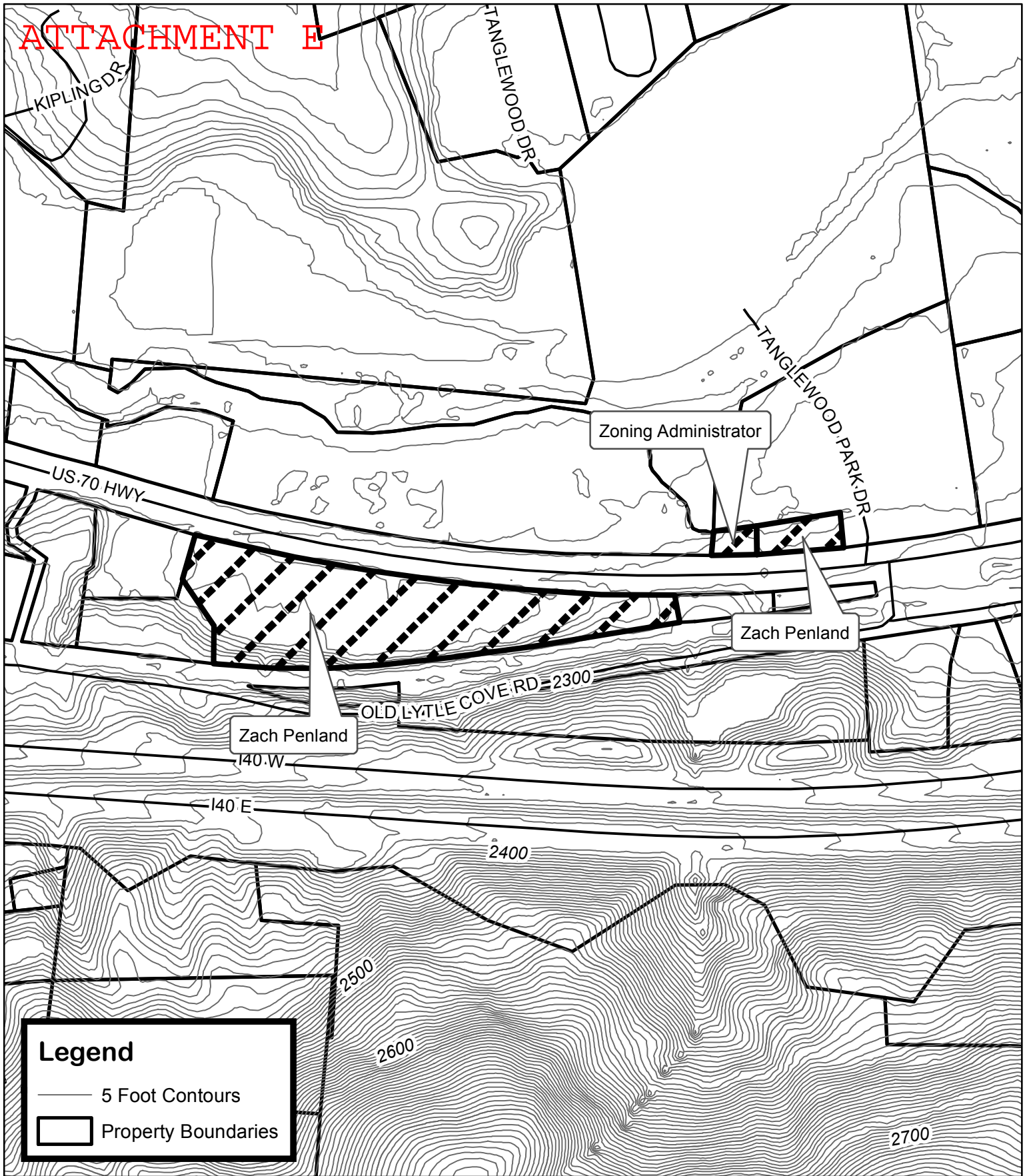
April 20, 2016

The Ramble Block E

If approved by the Buncombe County Planning Board, the applicant shall provide the following information on a revised set of plans (if necessary) submitted to the Buncombe County Department of Planning and Development:

1. Provide proof of approval of road names and addresses from E-911 Addressing.
2. Provide proof of approval from the Buncombe County Erosion Control Officer that an Erosion Control Plan has been submitted and approved for the project. *No grading shall occur on the site until an approved Buncombe County Erosion Control permit is obtained.*
3. Provide proof of approval from the Buncombe County Stormwater Administrator that a stormwater management plan has been submitted and approved for the project. *No grading shall occur on the site until an approved Buncombe County Stormwater permit is obtained.*
4. Provide proof of approval of system design for City of Asheville Water lines. Proof of acceptance of the water lines into the City of Asheville's water system or an engineer's certification that the system has been installed to City of Asheville's standards will be required prior to recordation of a final plat or release of a financial guarantee.
5. Provide proof of approval of system design from the Metropolitan Sewerage District. Proof of acceptance of the sewer lines into the Metropolitan Sewerage District sewage system or an engineer's certification indicating that the system has been installed to MSD standards will be required prior to recordation of a final plat or release of a financial guarantee.
6. Indicate the existing use of the land within and abutting the subdivision.

ATTACHMENT E

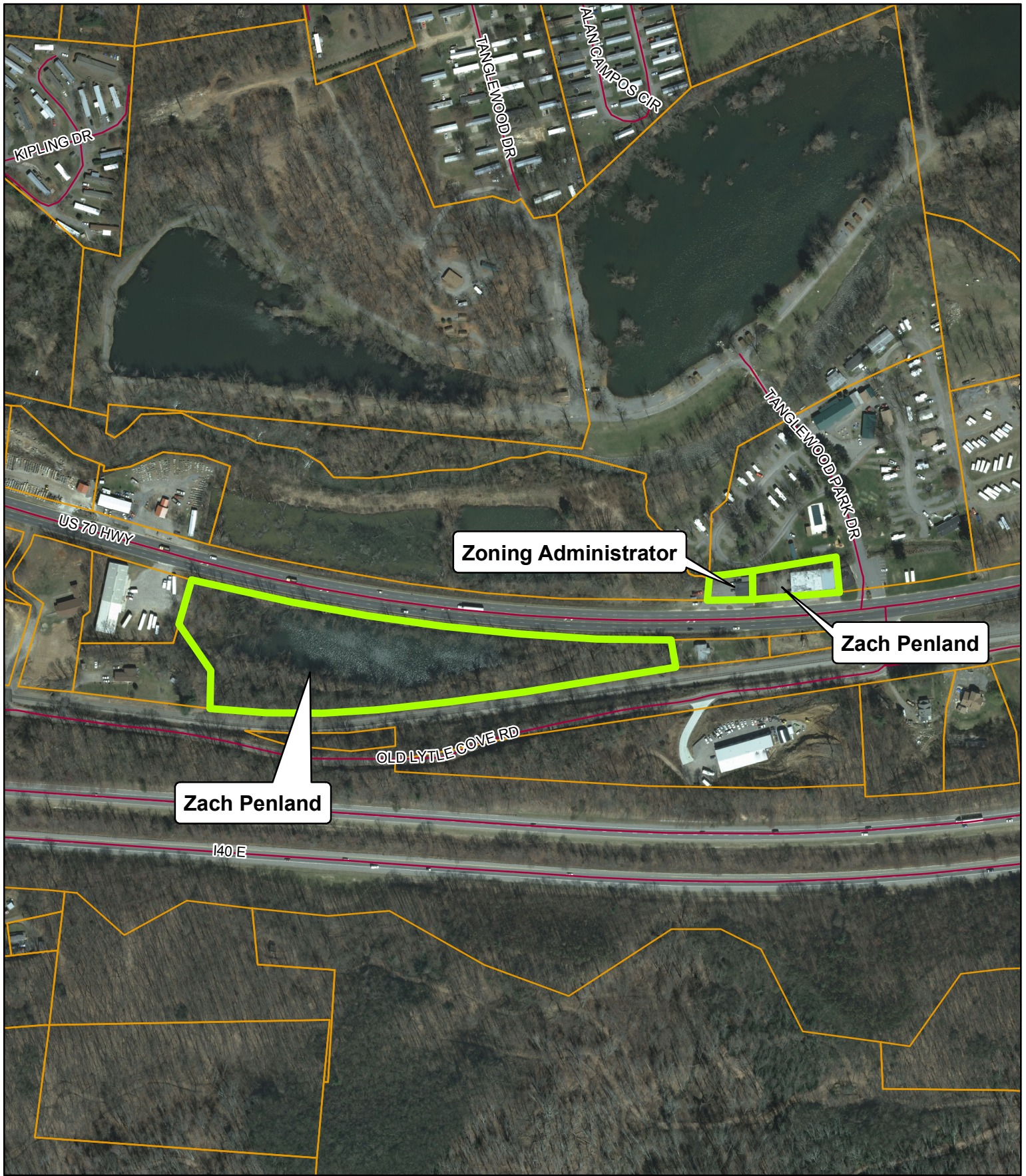


Zach Penland & Zoning Administrator Map Amendments

Case Number: ZPH2015-00009 & -00012
Approximate Property Size: 6.45 acres
Application Date: March 5 & 6, 2015
Planning Board Hearing Date: April 20, 2015

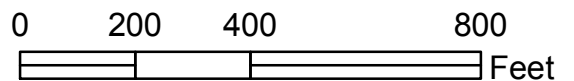
0 400 800 Feet

Created By: Buncombe County Planning
Date: April 6, 2015

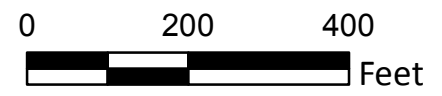
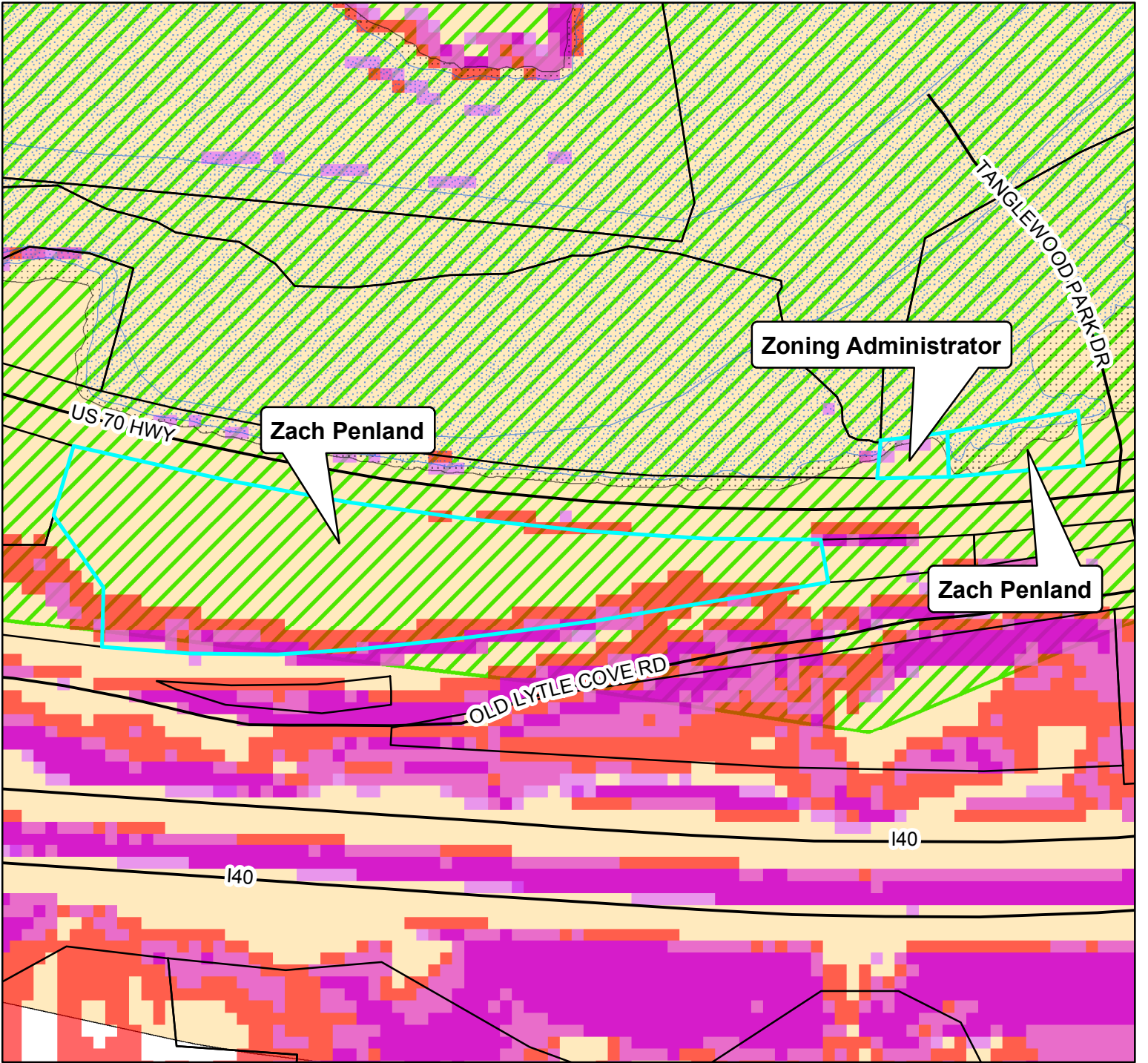
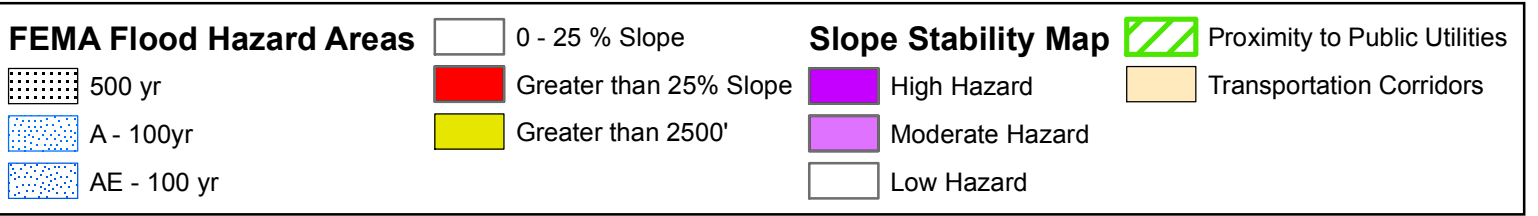


Zach Penland & Zoning Administrator Map Amendments

Case Number: ZPH2015-00009 & -00012
Approximate Property Size: 6.45 acres
Application Date: March 5 & 6, 2015
Planning Board Hearing Date: April 20, 2015



Created By: Buncombe County Planning
Date: April 7, 2015

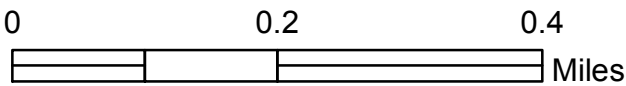
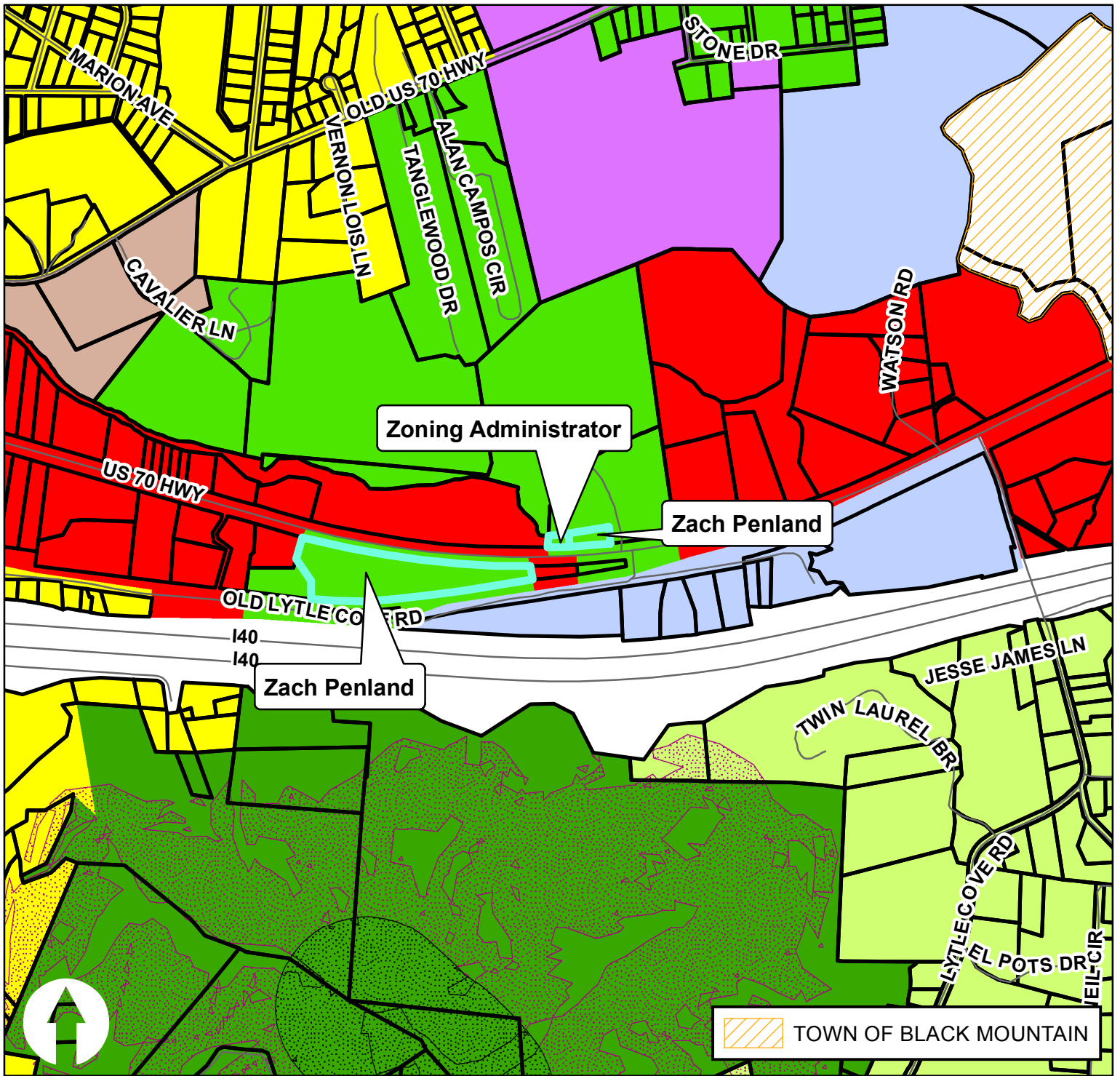


Zach Penland & Zoning Administrator Map Amendments

Case Number: ZPH2015-00009 & -00012
 Approximate Property Size: 6.45 acres
 Application Date: March 5 & 6, 2015
 Planning Board Hearing Date: April 20, 2015



Created By: Buncombe County Planning
 Date: April 6, 2015



Zach Penland & Zoning Administrator Map Amendments

Case Number: ZPH2015-00009 & -00012
 Approximate Property Size: 6.45 acres
 Application Date: March 5 & 6, 2015
 Planning Board Hearing Date: April 20, 2015

Created By: Buncombe County Planning
 Date: April 6, 2015

	AI		EMP		R-1
	BDM		NS		R-2
	CR		OU		R-3
	CS		PS		R-LD
	Blue Ridge Parkway Overlay				
	Protected Ridge Overlay				
	Protected Ridge & Parkway				
	Steep Slope/High Elevation				
	Steep Slope/High Elev. & Pkwy				

ATTACHMENT F



Buncombe County Government Application for Amending the Buncombe County Zoning

Planning and Development
www.buncombecounty.org

46 Valley Street
Asheville, NC 28801
Telephone (828) 250-4830
Fax (828) 250-6086

Application is hereby made to the Board of Commissioners of Buncombe County to amend: **Buncombe County Planning and Development**
 the Zoning Map (complete sections A and C below)
 the text of the Zoning Ordinance (complete sections B and C below)
Received

MAR 05 2015

46 Valley Street
Asheville, NC 28801
828-250-4830

A. If the application to amend the Zoning Map, provide the following:

1. Property description:

- (a) Property Identification Number(s): 9699-70-0426 ; -60-0264
- (b) Address of Property(s): 2700 US Hwy 70
- (c) Acreage of Property: .43 ac & 5.84 ac

2. Zoning Classification:

Current zoning district: R-3 Requested zoning district: CS

3. Please answer the following questions (if necessary attach a separate sheet of paper):

- (a) Describe how the size of the tract proposed for rezoning in reference to surrounding properties makes it suitable for the proposed zoning classification:

Both properties front HWY US 70 and have existing commercial uses.

- (b) Describe how the proposed re-zoning is consistent with Buncombe County's Comprehensive Land Use Plan (available on the County website):

US Hwy 70 is a major traffic artery and the land use plan recommends Commercial development adjacent to these corridors. (Pg 63)

- (c) Describe how the proposed re-zoning would affect surrounding properties and uses:

No negative impact as most surrounding properties are commercial uses.

- (d) Describe the benefits and/or detriments of the proposed re-zoning to the following groups:

o Owner(s):

Aligns zoning with current use and allows oppurtunities for growth of business.

o Adjacent Neighbors:

Aligns zoning with adjacent CS zoning areas.

o Surrounding Community:

Promotes commercial development along the US Hwy 70 corridor.

B. If the application is to amend the text of the Zoning Ordinance, provide the following (if necessary attach a separate sheet of paper):

1. Specific section(s) of the Zoning Ordinance affected:

2. Description of requested change (including proposed changes to text):

3. Reason(s) for the requested amendment(s):

C. Contact information

Zach Penland

2700 US Hwy 70 Swannanoa, NC 28778

Owner's/Applicant's Name

Mailing Address (including town/city, state, and zip)

828-686-5561

info@penlandsfurniture.com

Telephone

Email Address

Signature of Owner/Applicant

Withdrawal of an application after notice has been made will result in forfeiture of any application fees associated with said application.

OFFICE USE ONLY:

Date received:

3/5/15

Staff Recommendation

Case number:

2042015-00009

approval

Scheduled Planning Board Hearing Date:

denial

Scheduled Board of Commissioners Hearing Date:

Leigh DeForth

From: Debbie Truempy
Sent: Friday, March 06, 2015 1:50 PM
To: Leigh DeForth
Subject: RE: spot for zph2015-00009

Yes.

Thanks

From: Leigh DeForth
Sent: Friday, March 06, 2015 1:49 PM
To: Debbie Truempy
Subject: spot for zph2015-00009

Hello,
ZPH2015-00009 would create a spot with PIN 9699-60-8454 and that PIN contains a commercial use. Would you like to include this as a Zoning Administrator rezoning from R-3 to CS?
Thank you,

Leigh DeForth, AICP
Planner
Buncombe County Planning Department
46 Valley Street
Asheville, NC 28801
(828) 250-4832
leigh.deforth@buncombecounty.org

BUNCOMBE COUNTY DEPARTMENT OF PLANNING AND DEVELOPMENT
REZONING ANALYSIS

CASE NUMBER : ZPH2015-00009 AND ZPH2015-00012
PROPOSED ZONING CHANGE : R-3 to CS
LOCATION : 2700 US Hwy 70
PIN : 9699-70-0426 (ZPH2015-00009)
: 9699-60-0264 (ZPH2015-00009)
: 9699-60-8454 (ZPH2015-00012)

APPLICANTS: ZACH PENLAND (ZPH2015-00009)
2700 US HWY 70
SWANNANOVA, NC 28778

DEBBIE TRUEMPY (ZPH2015-00012)
BUNCOMBE COUNTY ZONING ADMINSTRATOR
46 VALLEY STREET
ASHEVILLE, NC 28801

OWNERS: GERALD PENLAND (ZPH2015-00009)
PO BOX 691
SWANNANOVA, NC 28778

CHARLES MCGUINN AND GERALD PENLAND (ZPH2015-00009)
PO BOX 835
SWANNANOVA, NC 28778

DEMETRE AND DEBORAH THEODOSSIS (ZPH2015-00012)
1100 MCMINN ROAD
HENDERSONVILLE, NC 28792

DEPARTMENT RECOMMENDATION: **APPROVAL**

BOARD CONSIDERATIONS: The Board must determine if there is a reasonable basis for the requested change. An applicant's showing of reasonableness must address the totality of the circumstances and must demonstrate that the change is reasonable in light of its effect on all involved. Good Neighbors of South Davidson v. Town of Denton, 355 N.C. 254, 559 S.E.2d 768 (2002). Determination must be, the "product of a complex of factors." Chrismon v. Guilford County, 322 N.C. 611, 370 S.E.2d 579 (1988). Among the factors relevant to this analysis are the size of the tract in question; the compatibility of the disputed zoning action with an existing comprehensive zoning plan; the benefits and detriments resulting from the zoning action for the owner of the newly zoned property, his neighbors, and the surrounding community; and the relationship between the uses envisioned under the new zoning and the uses currently present in adjacent tracts. Id.

REZONING ANALYSIS: The applicants are requesting to rezone property from R-3 (Residential District) to CS (Commercial Service District). The subject properties are located on the north and south sides of US Hwy 70 near the intersections of US Hwy 70 and Tanglewood Park Drive and Us Hwy 70 and Old Lytle Cove Road. Two of the lots currently contain commercial buildings while one of the tracts is undeveloped. The surrounding area is characterized by commercial uses, manufactured home parks, and some undeveloped area. The area along US Hwy 70 consists of properties zoned EMP (Employment District) and CS, with some areas zoned R-3.

The proposed map amendment is consistent with the Buncombe County Land Use Plan as the Land Use Constraint maps within the Buncombe County Comprehensive Land Use Plan, 2013 Update show the following regarding the subject property:

- The property is within close proximity to a transportation corridor.
- The property is within reasonable proximity to infrastructure (combined water/sewer service area).

As Figure 20. Appropriate Development Types of the Buncombe County Comprehensive Land Use Plan 2013 Update recommends that the type of commercial developments allowed in the CS zoning district be located within close proximity to a transportation corridor within reasonable proximity to infrastructure the proposed map amendment could be appropriate. The proposed CS zoning would not be detrimental to the owners, adjacent neighbors, and surrounding community as it is consistent with the surrounding properties, adjacent to the CS zoning district, and supported by the Buncombe County Land Use Plan. Therefore the Buncombe County Department of Planning and Development recommends **APPROVAL** of the request.

LAND USE PLAN CONSISTENCY STATEMENTS

Consistent: The proposed map amendment is **consistent with the Buncombe County Land Use Plan** as Figure 20. Appropriate Development Types of the Buncombe County Comprehensive Land Use Plan, 2013 Update recommends the following in regard to the constraints mapped within the Land Use Plan Maps:

- The property is within close proximity to a transportation corridor.
- The property is within reasonable proximity to infrastructure (combined water/sewer service area).

As Figure 20. Appropriate Development Types of the Buncombe County Comprehensive Land Use Plan 2013 Update recommends that the type of commercial developments allowed in the CS zoning district be located within close proximity to public utilities and within reasonable proximity to infrastructure the proposed map amendment could be appropriate. The proposed CS zoning would not be detrimental to the owners, adjacent neighbors, and surrounding community as it is consistent with the surrounding properties, adjacent to a CS zoning, and supported by the Buncombe County Land Use Plan. Therefore, the requested zoning would be **reasonable and in the public interest**.

Not Consistent: The proposed map amendment is **not consistent with the Buncombe County Land Use Plan** as Figure 20. Appropriate Development Types of the Buncombe County Comprehensive Land Use Plan, 2013 Update recommends the following in regard to the constraints mapped within the Land Use Plan Maps:

- The property is not located outside of moderate and high slope stability hazards.
- The property is not located outside the flood hazard areas.

As Figure 20. Appropriate Development Types of the Buncombe County Comprehensive Land Use Plan 2013 Update recommends that the type of commercial developments allowed in the CS zoning district be located outside of areas of moderate and high slope stability hazard and not located outside the flood hazard area. The proposed rezoning would therefore not be appropriate. The proposed CS zoning would be detrimental to the owners, adjacent neighbors, and surrounding community as it is not consistent with the surrounding properties and supported by the Buncombe County Land Use Plan. Therefore, the requested zoning would be **neither reasonable nor in the public interest**.