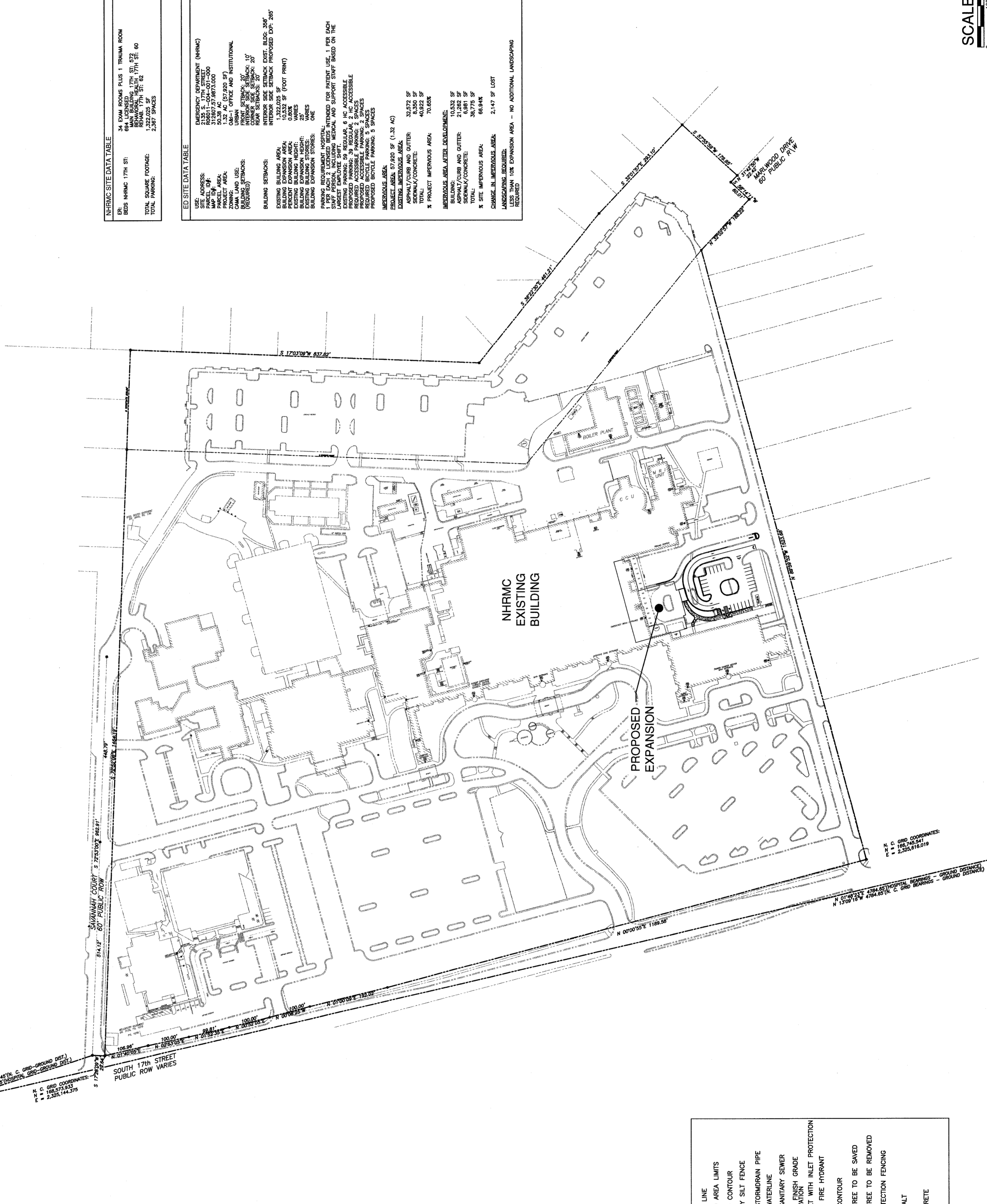


NHRMC EMERGENCY DEPT-17TH STREET CAMPUS

2136 S. 17TH STREET

WILMINGTON, N. C.



LEGEND

- PROPERTY LINE
- DISTURBED AREA LIMITS
- PROPOSED CONTOUR
- TEMPORARY SILT FENCE
- EXISTING STORMDRAIN PIPE
- EXISTING WATERLINE
- EXISTING SANITARY SEWER
- PROPOSED FINISH GRADE
- SPOT ELEVATION
- CURB INLET WITH INLET PROTECTION
- PROPOSED FIRE HYDRANT
- EXISTING CONTOUR
- EXISTING TREE TO BE SAVED
- EXISTING TREE TO BE REMOVED
- TREE PROTECTION FENCING
- NEW ASPHALT
- NEW CONCRETE

NHRMC SITE DATA TABLE

54 EXAM ROOMS PLUS 1 TRAUMA ROOM
MAIN BUILDING HEALTH ST. 57E, 60
REAR 17TH ST. 62
TOTAL SQUARE FOOTAGE:
1,897 SPACES
TOTAL PARKING:
2,397 SPACES

ED SITE DATA TABLE

UNIVERSITY OF NORTH CAROLINA (UNRMC)	
2136 S. 17TH STREET	
WILMINGTON, NC 28401	
PHONE (910) 343-9853	
FAX (910) 343-9604	
OFFICE@NHRMC.COM	
LICENSE #0-3841	
ZONING: OMB-1 OFFICE AND INSTITUTIONAL	
URBAN STRUCK: 20'	
INTERIOR SIDE STRUCK: 10'	
REAR STRUCK: 20'	
INTERIOR SIDE STRUCK (PROPOSED) 50' 45"	
REAR STRUCK (PROPOSED) 50' 45"	
BUILDING SETBACKS:	
EXISTING BUILDING AREA:	1,322,025 SF
EXISTING PARKING AREA:	1,036,225 SF
EXISTING BUILDING HEIGHT:	10.53X
EXISTING BUILDING STORES:	10.53X
BUILDING EXPANSION STORES:	ONE
1 PER EACH 2 LICENSED BEDS INTENDED FOR PATIENT USE, 1 PER EACH STATE PERSON, INCLUDING MEDICAL AND SUPPORT STAFF BASED ON THE EXISTING BUILDING HEIGHT.	
EXISTING PARKING: 99 REGULAR, 8 HC ACCESSIBLE	
PROPOSED ACCESSIBLE PARKING: 2 SPACES	
PROPOSED BIKE PARKING: 2 SPACES	
PROPOSED BICYCLE PARKING: 3 SPACES	
IMPERVIOUS AREA:	
EXISTING IMPERVIOUS AREA:	67,620 SF (1.32 AC)
ASPHALT/PAVEMENT:	53,675 SF
GRAVEL:	8,350 SF
SEWER/CONCRETE:	40,622 SF
TOTAL:	70,687 SF
4 PROJECT IMPERVIOUS AREA:	70,687 SF
IMPERVIOUS AREA AREAS DEVELOPMENT:	
BUILDING:	10,532 SF
ASPHALT/PAVEMENT AND OUTLET:	21,265 SF
GRAVEL:	6,175 SF
SEWER/CONCRETE:	30,775 SF
TOTAL:	68,747 SF
4 SITE IMPERVIOUS AREA:	68,747 SF
CHANGE IN IMPERVIOUS AREA:	2,147 SF
LANDSCAPING REQUIRED:	2,147 SF
LESS THAN 10% EXPANSION AREA - NO ADDITIONAL LANDSCAPING REQUIRED	

CLIENT

New Hanover Regional Medical Center

MAINED RENOVATION & ADDITION

2131 S 17th St, Wilmington, NC 28401

DESIGNER

BBH DESIGN
 10 BOYD 12697
 RESEARCH TRIANGLE PARK
 NORTH CAROLINA 27709
 T. 919.480.6700
 F. 919.480.6733
 www.bbh-design.com

CONSULTANTS

NORRIS & TUNSTALL
CONSULTING ENGINEERS, P.C.
 802 MARKET STREET
 WILMINGTON, NC 28401
 PHONE (910) 343-9853
 FAX (910) 343-9604
 office@ntkeng.com
 licence #0-3841

REGISTRATION

ISSUE NO. DATE DESCRIPTION

PROJECT NO. P1427.00

CHECKED BY: CHECKER

DATE: 08/21/2015

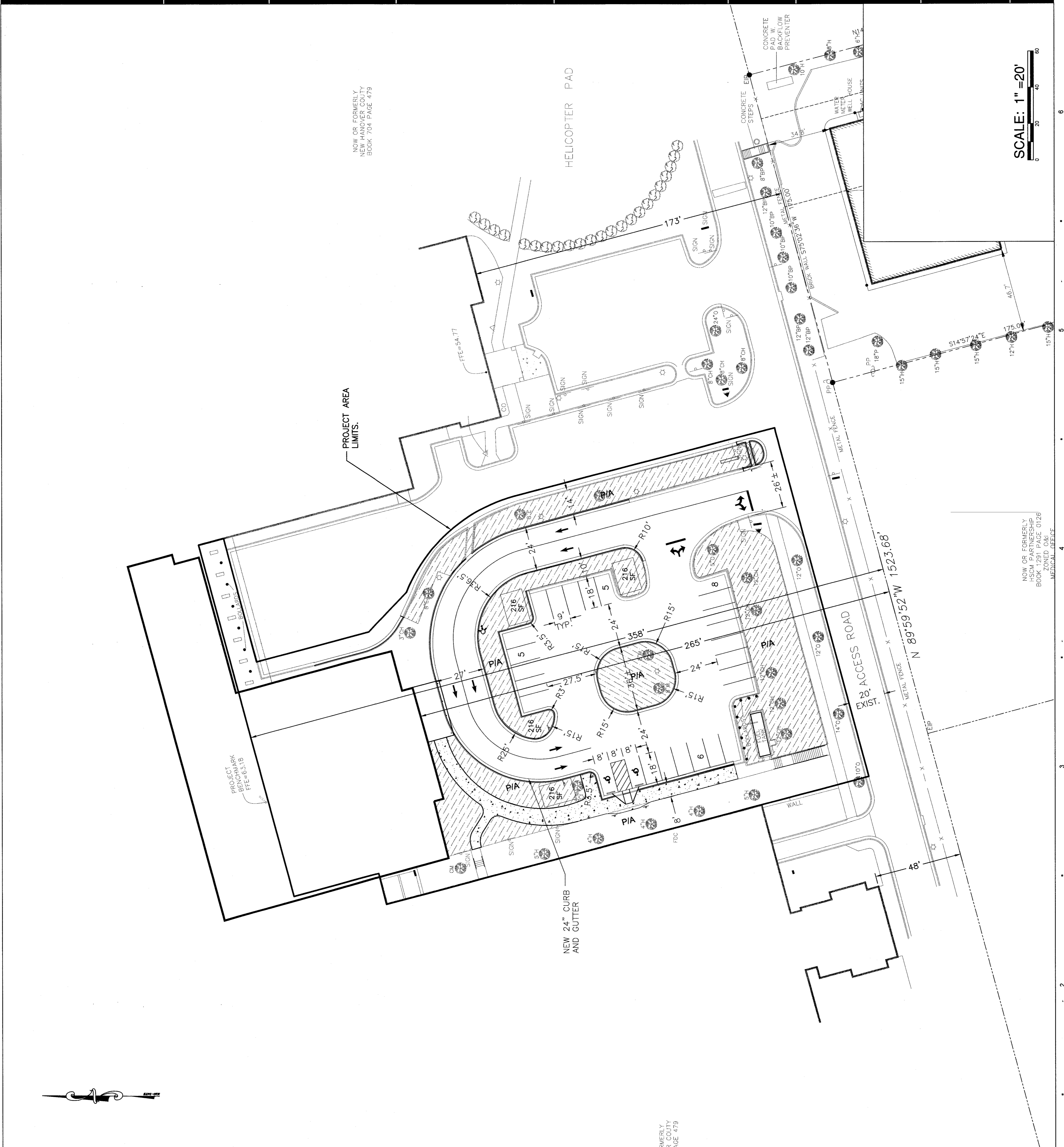
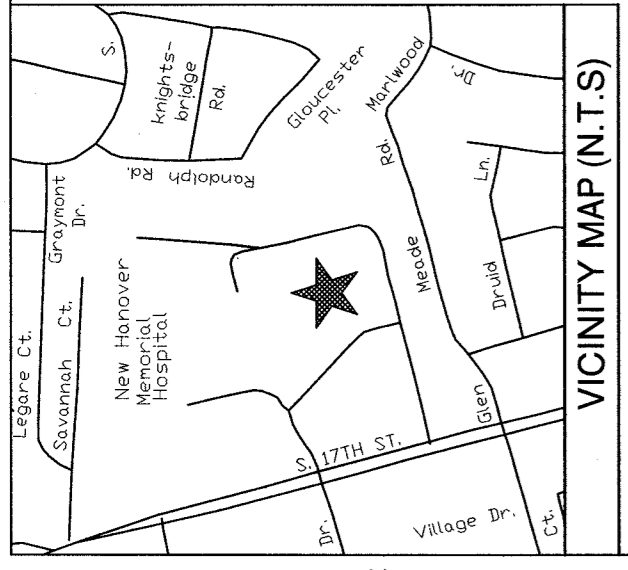
KEY PLAN: 04 - DESIGN DEVELOPMENT

SHEET TITLE

OVERALL SITE PLAN

NT JOB #4073

CO



SCALE: 1" = 20'

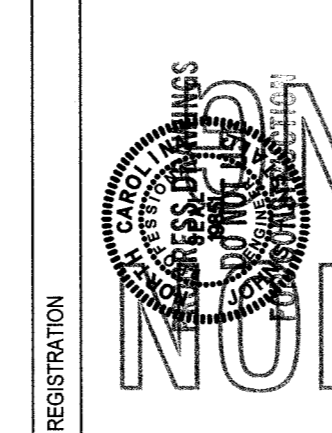
NOW OR FORMERLY
HSCM PARTNERSHIP
BOOK 1291 PAGE 0126
ZONED O&B
MEDICAL OFFICE

CLIENT
New Hanover Regional Medical Center
2131 S 17th St. Wilmington, NC 28401

DESIGNER
BBH DESIGN
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F. 919.460.6733
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CONSULTANTS
**NORRIS & TUNSTALL
ENGINEERS, P.C.**
503 MARKET STREET
WILMINGTON, NC 28401
PHONE (910) 343-9653
FAX (910) 343-9604
office@nkteng.com
licence #C-3641

REGISTRATION
PROJECT NO. P1427.00
CHECKED BY: [Signature]
DATE: 07/11/2015
KEY PLAN
NOT FOR CONSTRUCTION
NOT FOR FINAL PRICING



ISSUE No. DESCRIPTION

SHEET TITLE
SITE LAYOUT PLAN

NT JOB #14073
C2

BBH DESIGN
 PO BOX 12697
 RESEARCH TRIANGLE PARK
 NORTH CAROLINA 27709
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 F. 919.460.6733
 www.bbhd.com

NORRIS & TUNSTALL ENGINEERS, P.C.
 902 MARKET STREET
 WILMINGTON, NC 28401
 PHONE (910) 343-9653
 FAX (910) 343-9604
 office@nt-engineers.com
 license #IC-3641

REGISTRATION
 ISSUE No. DATE DESCRIPTION

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 DATE: 07/21/2015
 KEY PLAN: [Signature]

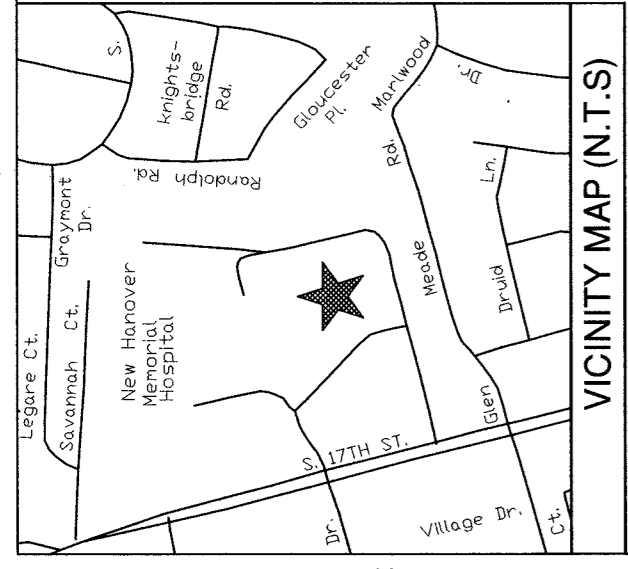
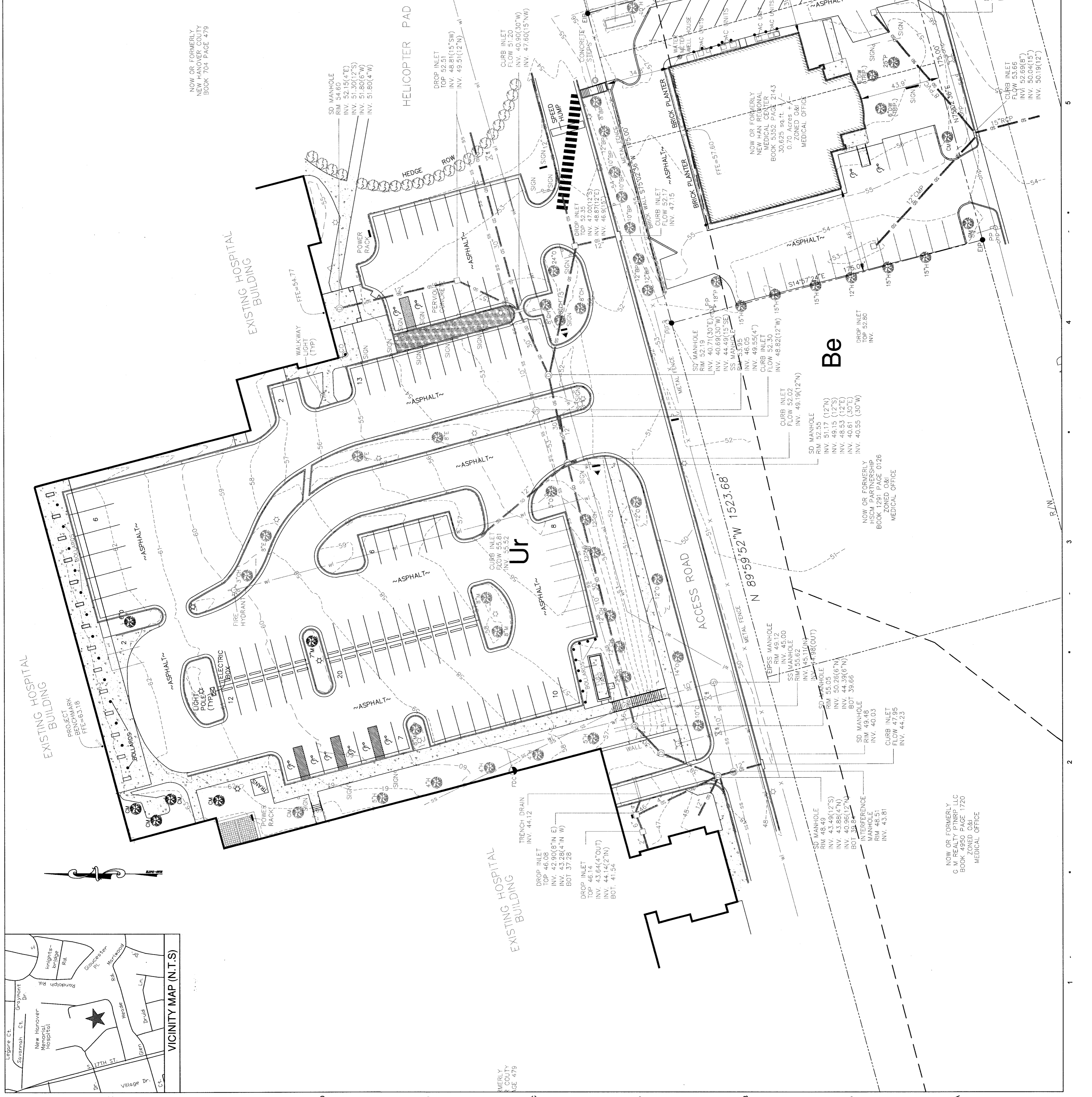
SHEET TITLE
SITE INVENTORY PLAN

INVENTORY SITE DATA
 PARCEL ADDRESS: 2131 S. 17th STREET
 PARCEL ID#: 80801-004-001-000
 MAP ID#: 312607.573873.000
 ZONING: O&M-1 OFFICE AND INSTITUTIONAL
 USE: MEDICAL CENTER
 CAMA LAND USE: URBAN
 SITE DOES NOT LIE WITHIN 100 YEAR FLOOD PLAIN
 HISTORICAL SITE: NONE
 FORESTED AREA: NONE
 WETLANDS: NONE
 ENDANGERED SPECIES/HEMTA: NONE
 SEE PLAN FOR TREE SURVEY
 NONE EXISTING WITHIN SITE AREA
 NONE REPORTED

For each open utility cut of City streets, a \$325 permit shall be required from the City of Wilmington for installation and/or project acceptance.

Approved Construction Plan

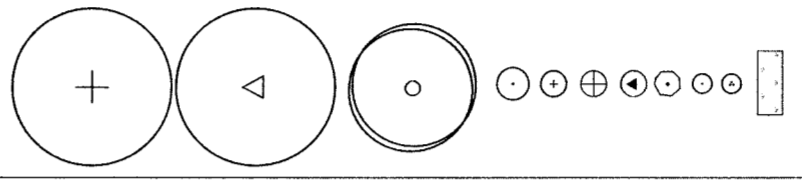
Name	Date
Planning	
Public Utilities	
Traffic	
Fire	



EXISTING CONDITIONS LEGEND

KEYNOTES

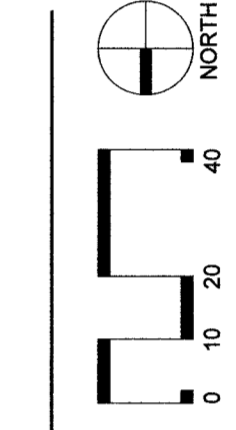
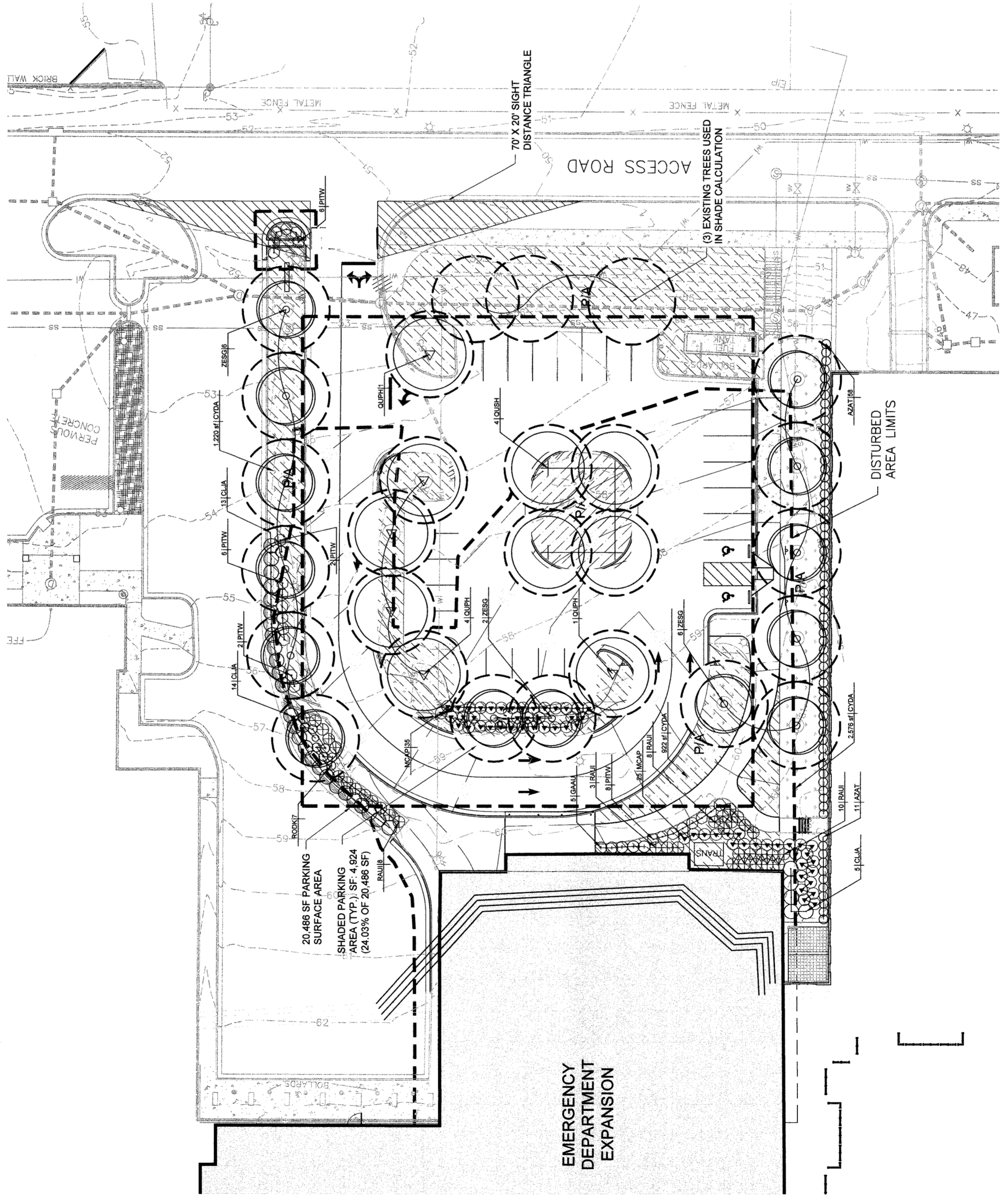
PLANTING LEGEND



QUERCUS PHELLOS - HELLOWY OAK
 QUERCUS SHUMARDII - SHUMARD'S RED OAK
 ZELKOVA SEROTINA - GREEN VASE ZELKOVA
 CLEOME JAPONICA
 GARDENIA JASMINOIDES 'AUGUST BEAUTY'
 RHAMNUS INDICA MONTO
 MALEBERGA CAPILLARIS
 PITTOSPORUM TOBIRA WHEELER'S DWARF
 RUSCUS AZALEA 'TINNY'
 ROSA X INDOCHINENSIS - PINK DOUBLE SNOWCUT ROSE
 TIMUS 418 BERMUDA TURF

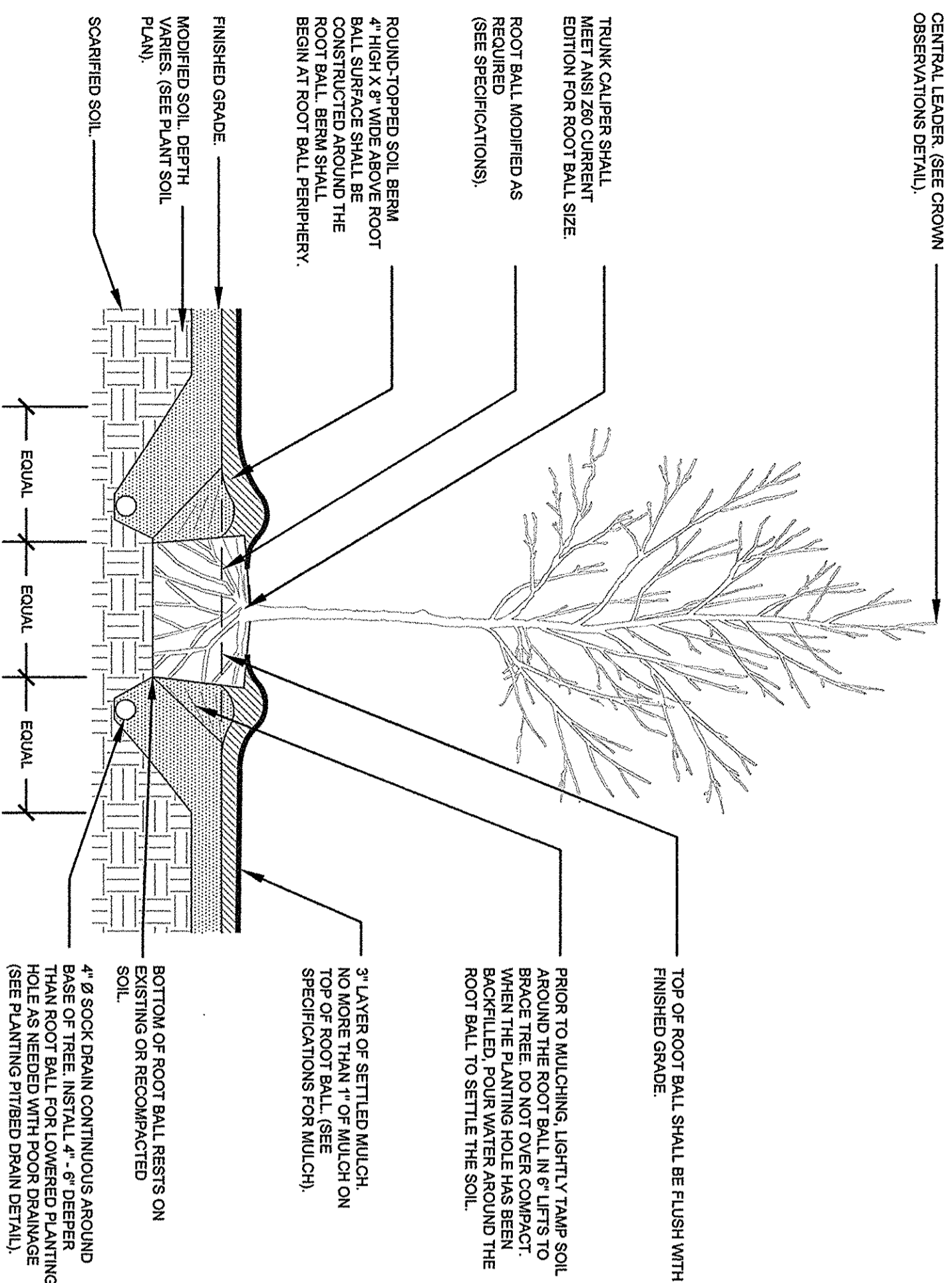
PLANT SCHEDULE

TREES	QTY	BOTANICAL NAME	COMMON NAME	CONT.	COL.	REMARKS	
	7	QUERCUS PHELLOS	WELLOWY OAK	B & B	13" COL.		
	8	QUERCUS SHUMARDII	SHUMARD'S RED OAK	B & B	13" COL.		
	5	ZELKOVA SEROTINA	GREEN VASE	B & B	13" COL.		
SHRUBS		QTY	BOTANICAL NAME	COMMON NAME	CONT.	COL.	REMARKS
	70	AZALEA ENDORE	AUTUMN TWIST	5 GAL.			
	32	GARDENIA JASMINOIDES	ALBIE BEAUTY	3 GAL.			
	81	MALEBERGA CAPILLARIS	PINK MURKY	1 GAL.			
	25	PITTOSPORUM TOBIRA	WHEELER'S DWARF	3 GAL.			
	35	RHAMNUS INDICA	INDIAN PRINCESS	3 GAL.			
	8	ROSA X INDOCHINENSIS	DOUBLE SNOWCUT	3 GAL.			
GROUND COVERS		QTY	BOTANICAL NAME	COMMON NAME	CONT.	SP.	REMARKS
	5,885 SF	CYTHON DACTYLON	TEF AIF				
	5,885 SF	BERMUDA GRASS					



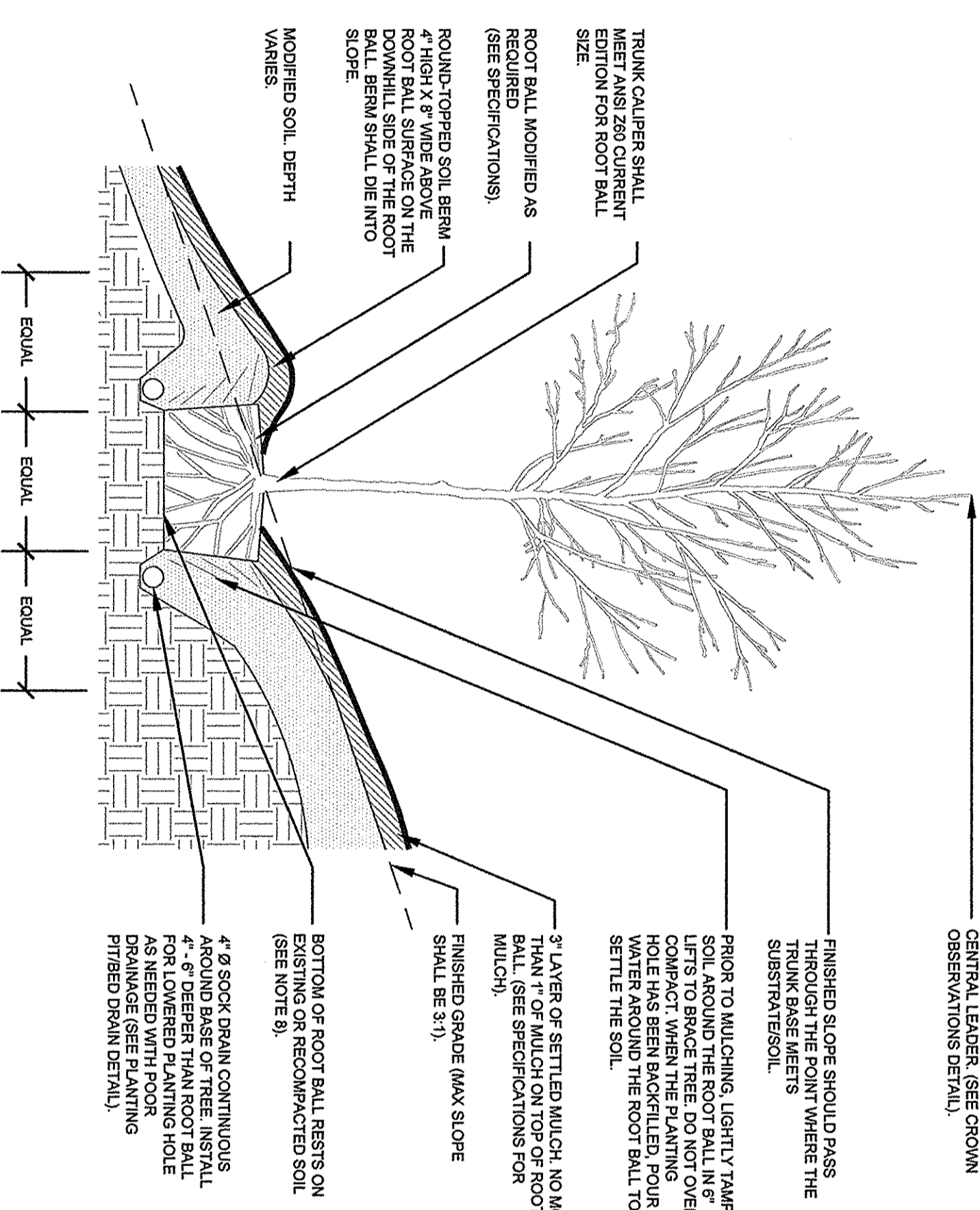
1 SITE PLAN - LANDSCAPE
 1" = 20'

E CENTRAL LEADER (SEE CROWN OBSERVATIONS DETAIL)



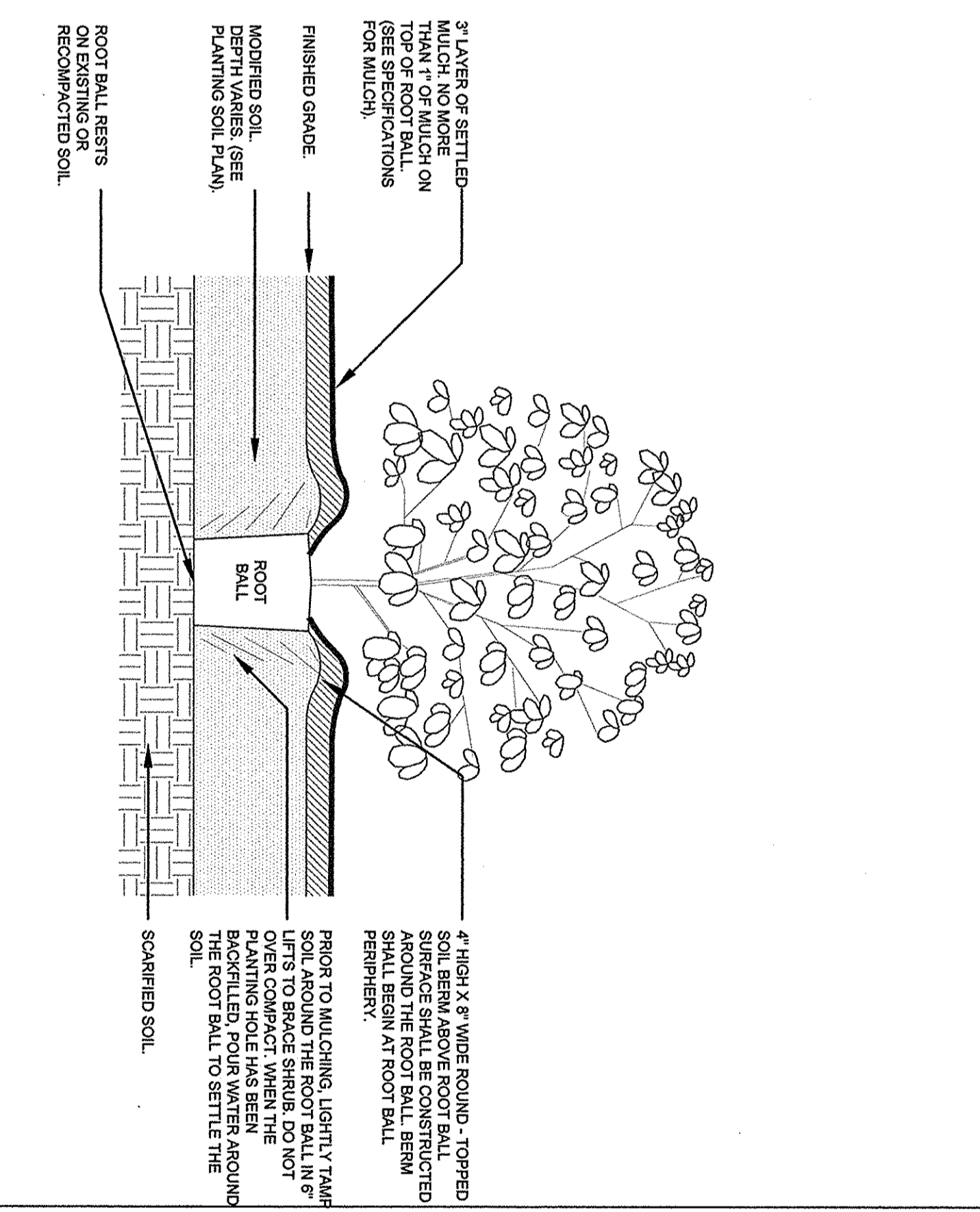
1 Tree (Typical)

L200 Not to Scale SECTION



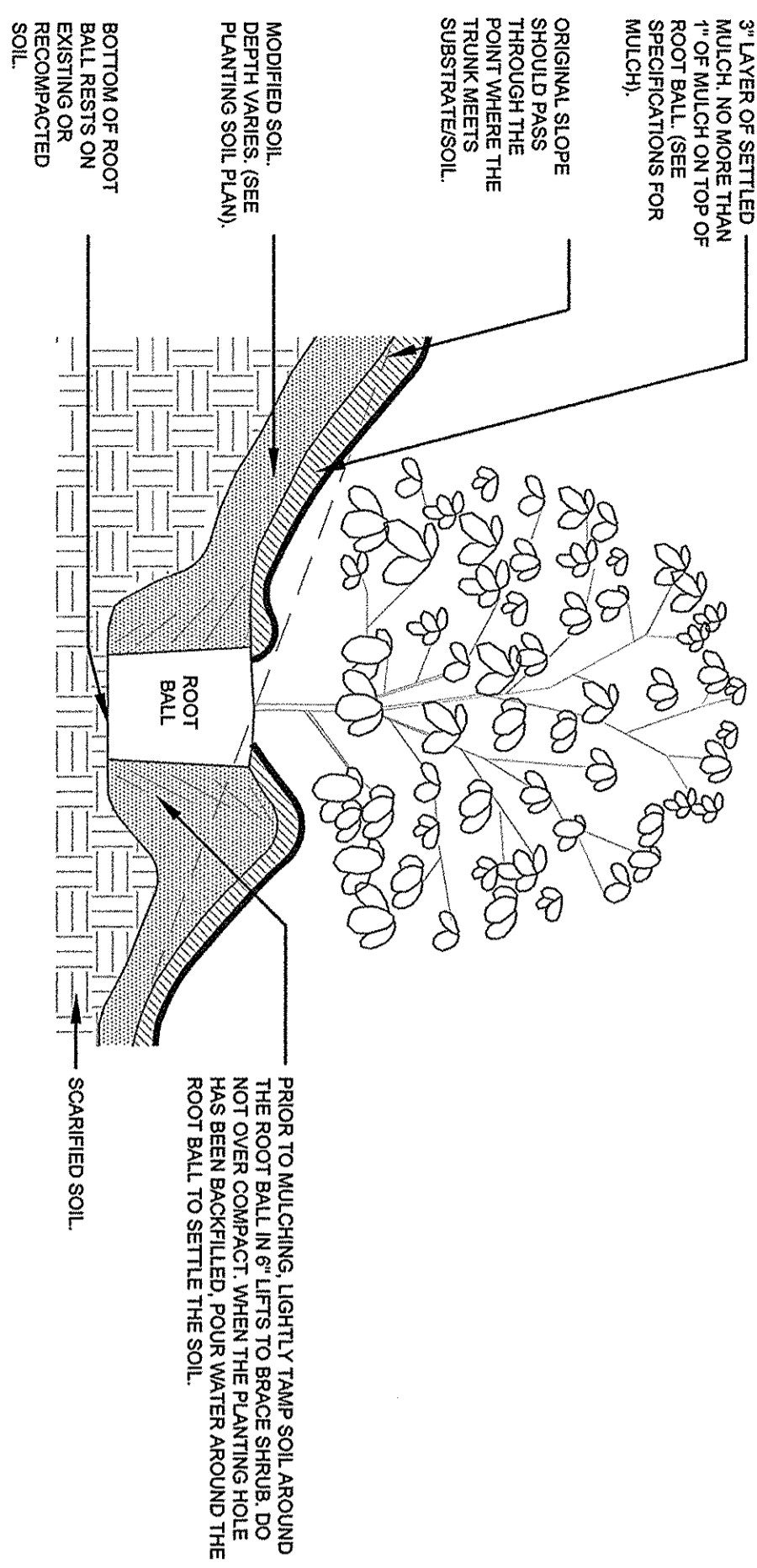
2 Tree On Slope (Typical)

L200 Not to Scale SECTION



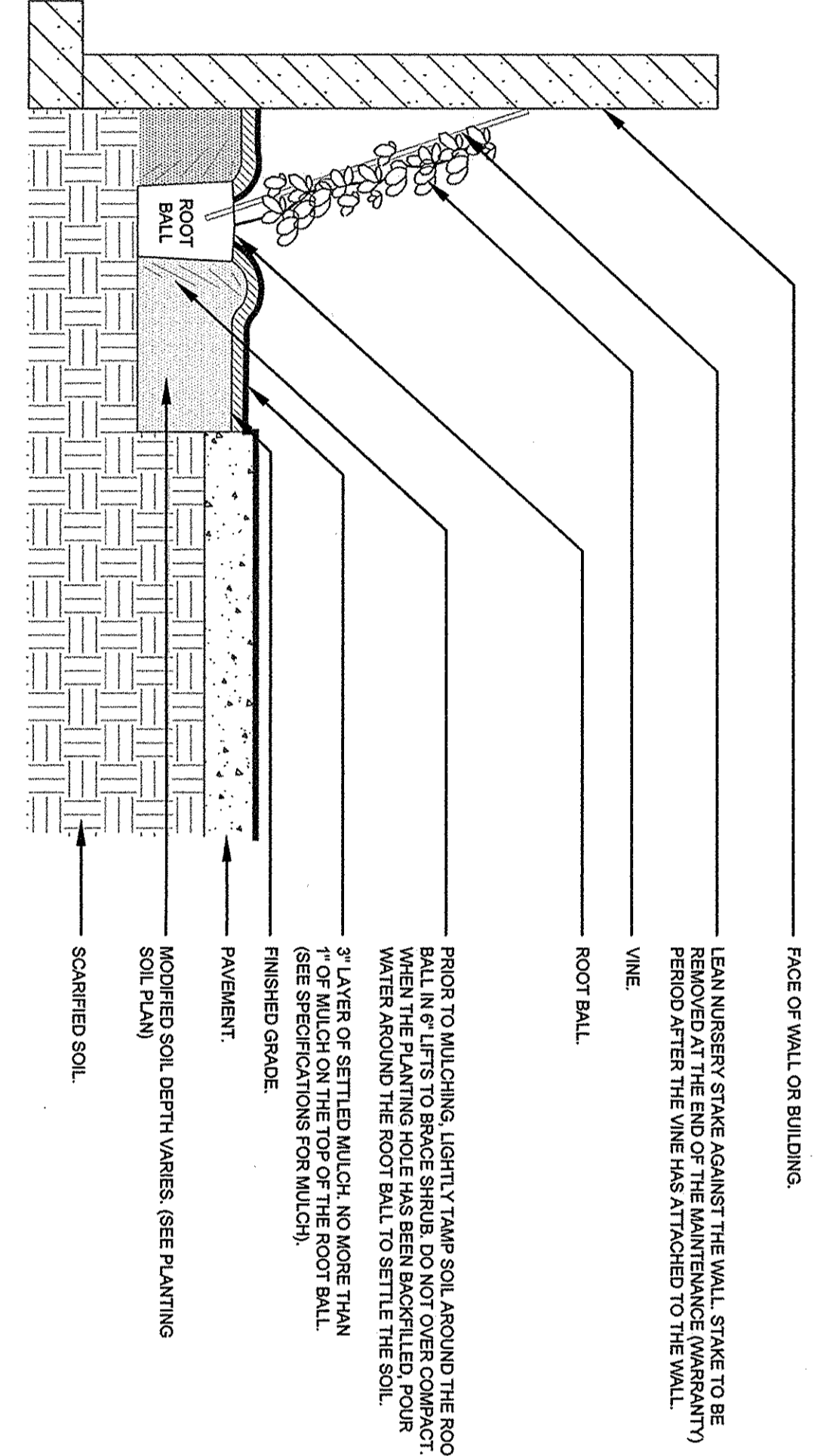
3 Shrub (Typical)

L200 Not to Scale SECTION



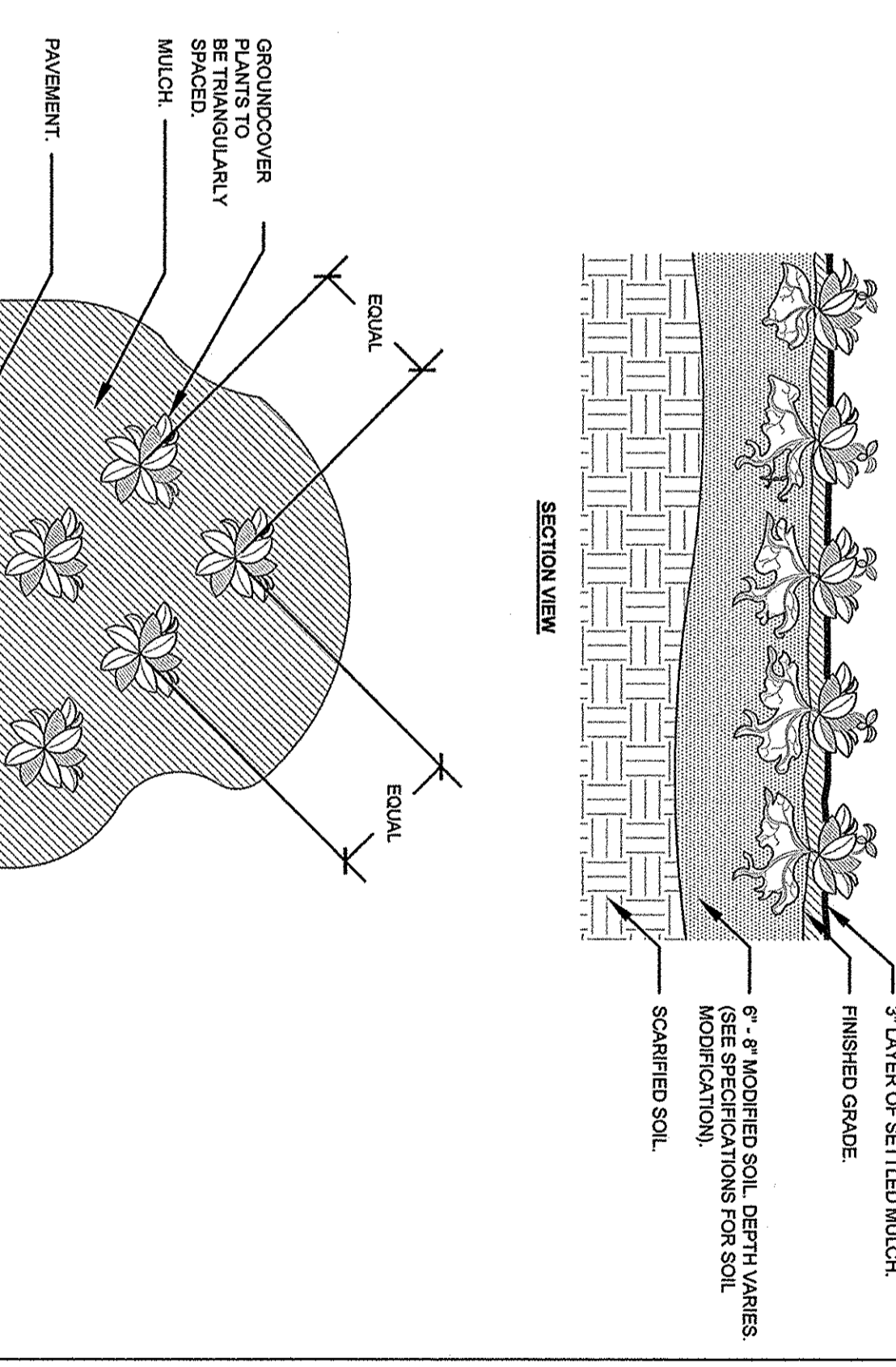
4 Shrub On Slope (Typical)

L200 Not to Scale SECTION



5 Vine (Typical)

L200 Not to Scale SECTION



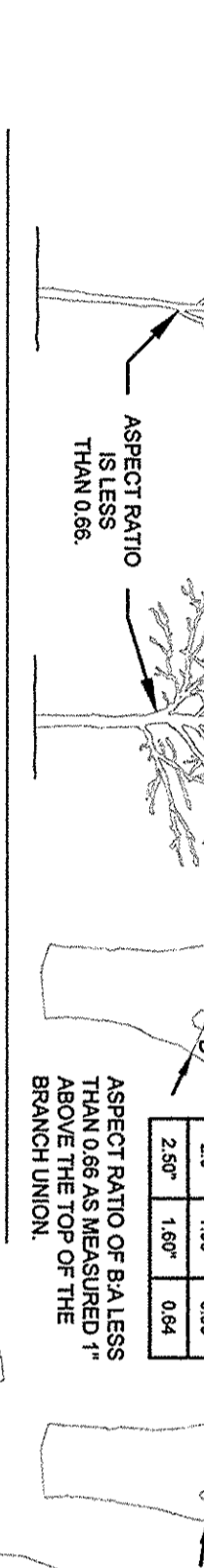
6 Groundcover Planting (Typical)

L200 Not to Scale PLAN/SECTION

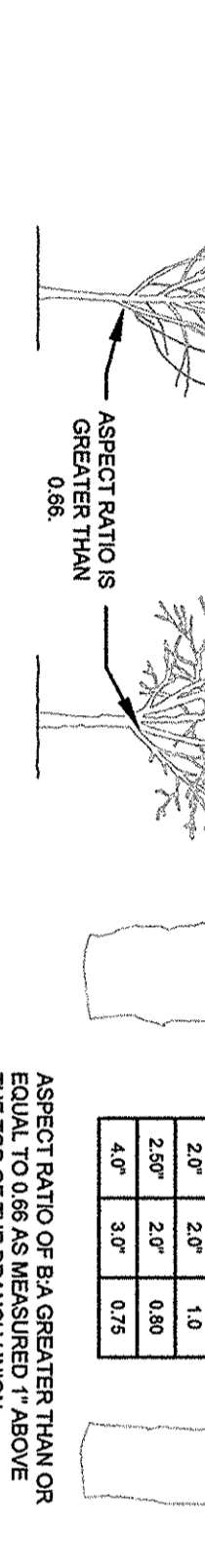
PLANTING NOTES:

1. DO NOT STAKE TREES EXCEPT WHERE SPECIFIED BY LANDSCAPE ARCHITECT. STAKING IS REQUIRED FOR TREES PLANTED ON SLOPES.
2. TREES PLANTED CLOSER TOGETHER SHOULD HAVE THE WALL LIBERLY SHOVE ROOT SPACE TILL IN SOIL ADJUSTMENTS TO A DEPTH OF 4\"/>
3. FOR CONTAINER GROWN TREES, USE FRIGERS OF SMALL HAND TOOLS TO PULL THE ROOTS OUT OF THE OUTER LAYER OF POTTING SOIL, THEN CUT OR PULL AWAY ANY ROOTS CIRCULATING THE PERIPHERY OF THE CONTAINER.
4. FOR FIELD GROWN TREES, CUT BRANCHES, ROPE AND WIRE BASKET AWAY FROM TOP AND SIDES OF ROOT BALL.
5. THROUGHOUT THE PLANTING PROCESS, THE ROOT BALL AND ADJACENT PREPARED SOIL SHOULD REMAIN MOIST DURING THE FIRST MONTH AFTER PLANTING AND REGULARLY THROUGHOUT THE FOLLOWING TWO SUMMERS.
6. THE PLANTING PROCESS IS SIMILAR FOR DECIDUOUS AND EVERGREEN TREES.
7. DO NOT TRAMP TRUNK MARK NORTH SIDE OF TREE IN THE NURSERY AND LOCATE TO THE NORTH IN THE FIELD.
8. WHICH OF PLANTING HOLE IS 3\"/>
9. BEFORE PLANTING ADD 3/4\"/>
10. PERFORM PERCUSSION TEST FOR EACH TREE FIT TO COMPARE THAT WATER BEING OUT OF THE SOIL. PROVIDE GRAVEL SLIP ALTER FABRIC & WENT TEST, PROVIDE CHANGE ORDER REFLECT TO OWNER.
11. IF PLANTING HOLES ARE DOG WITH A LARGER MOUND BEHIND DOWN THE SIDES WITH A SHOVEL CAN ELIMINATE CLUMPING AND CREATE THE PREFERRED SLOPING SIDE.
12. TREES SHALL HAVE SINGLE LEADERS. TREES WITH 2 LEADERS WILL BE REJECTED.
13. DO NOT PLACE MULCH IN CONTACT WITH TRUNK.
14. PROVIDE GATOR BARS FOR ALL TREES WHERE IRRIGATION IS NOT PROVIDED.

ASCERTAINABLE

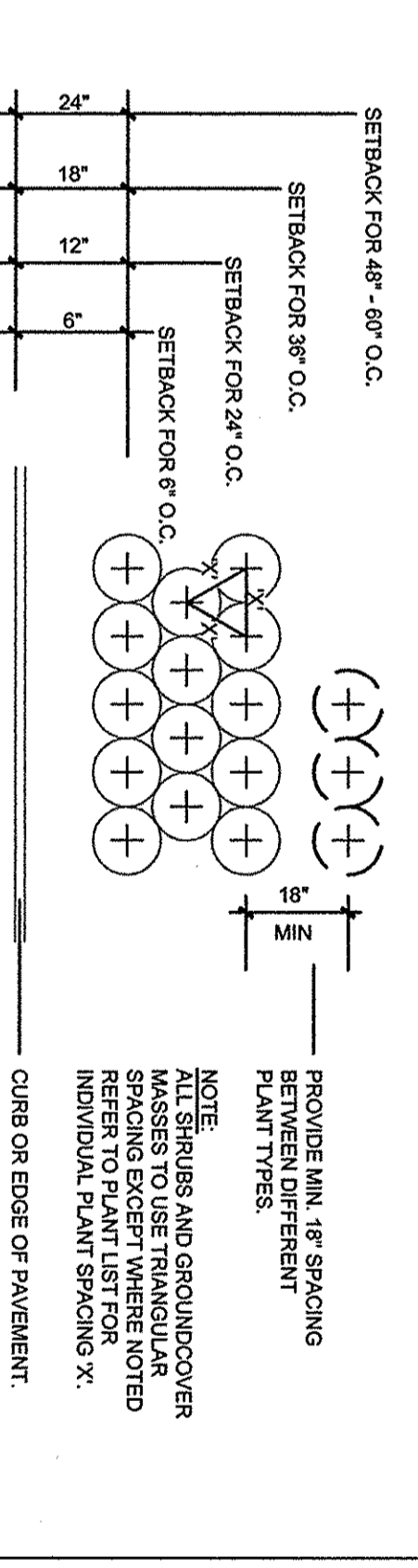


REJECTABLE



7 Crown Observations - High Branched

L200 Not to Scale SECTION



8 Shrub and Groundcover Spacing

L200 Not to Scale SECTION

CLIENT
New Hanover
Regional Medical Center

MAIN
ED RENOVATION &
ADDITION

2131 S 17th St. Wilmington, NC 28401

DESIGNER
BBH DESIGN

8208 BROWN ECH DRIVE
RALEIGH, NORTH CAROLINA 27617
T. 919.480.6700
F. 919.480.6738
WWW.BBH-DESIGN.COM

CONSULTANTS
STEWART

REGISTRATION
STEWART

PROJECT NO. P-1427
CHECKED BY: Checker
DATE: 12/23/2014
TEK PLAN Schematic Design

PRELIMINARY - DO NOT USE FOR CONSTRUCTION

NO.	DATE	DESCRIPTION

SHEET TITLE
PLANTING DETAILS
MODIFIED SOILS

L200

DESIGNER

BBB DESIGN 8038 BROWNLEIGH DRIVE RALEIGH, NORTH CAROLINA 27617 T: 919.466.6700 F: 919.466.6733 www.bbb-design.com

BBB Design, PA is a registered professional engineering firm in the State of North Carolina. This information is intended for informational purposes only and does not constitute an offer of any financial product or service. For more information, please contact your local BBB Design office.

CONSULTANTS



STEWART 421 EAST TALLEY ST., STE 400 FAYETTEVILLE, NC 28401 P: 704.785.2300 PROJECT # 17088

REGISTRATION



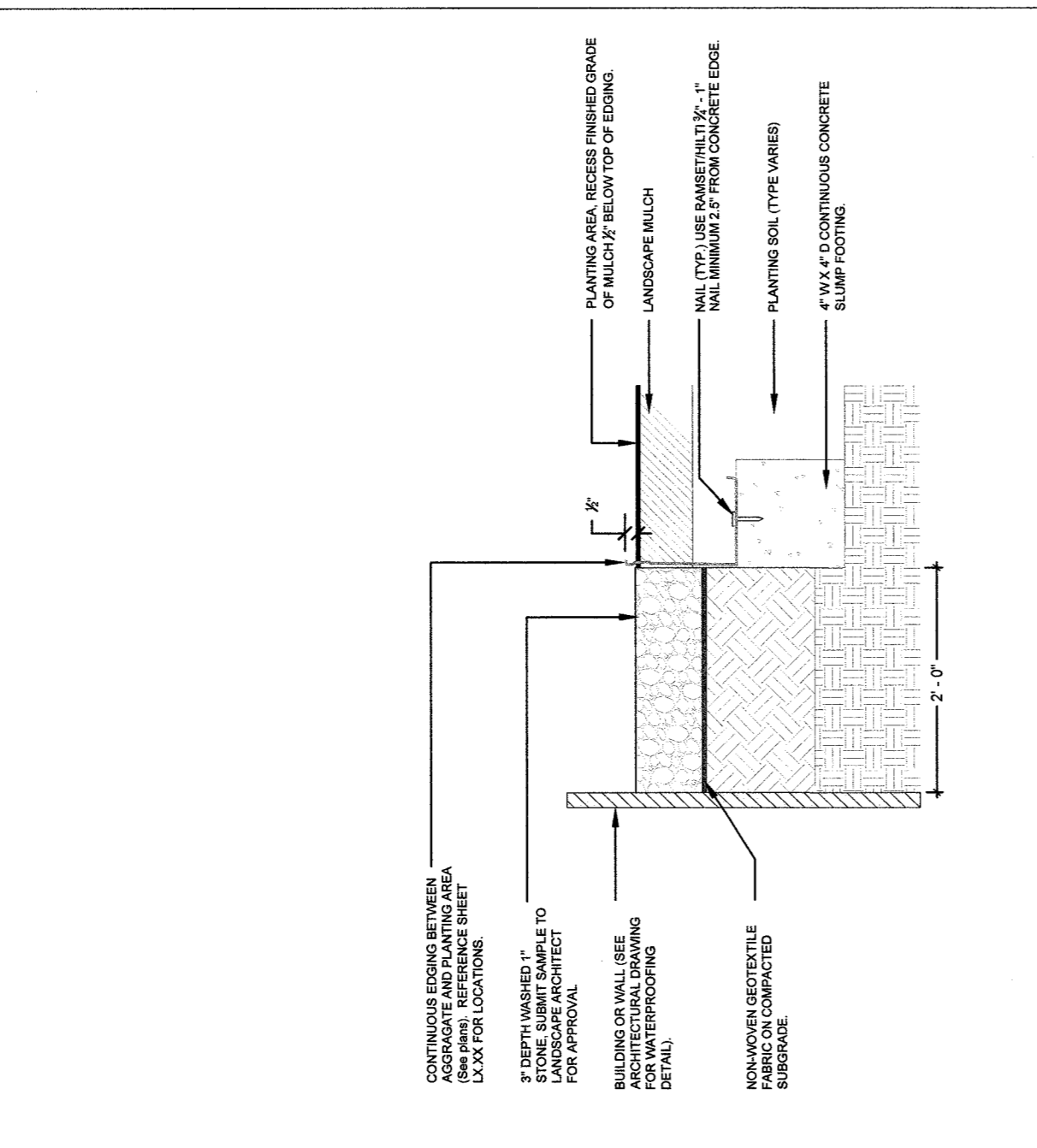
PRELIMINARY - DO NOT USE FOR CONSTRUCTION

ISSUE

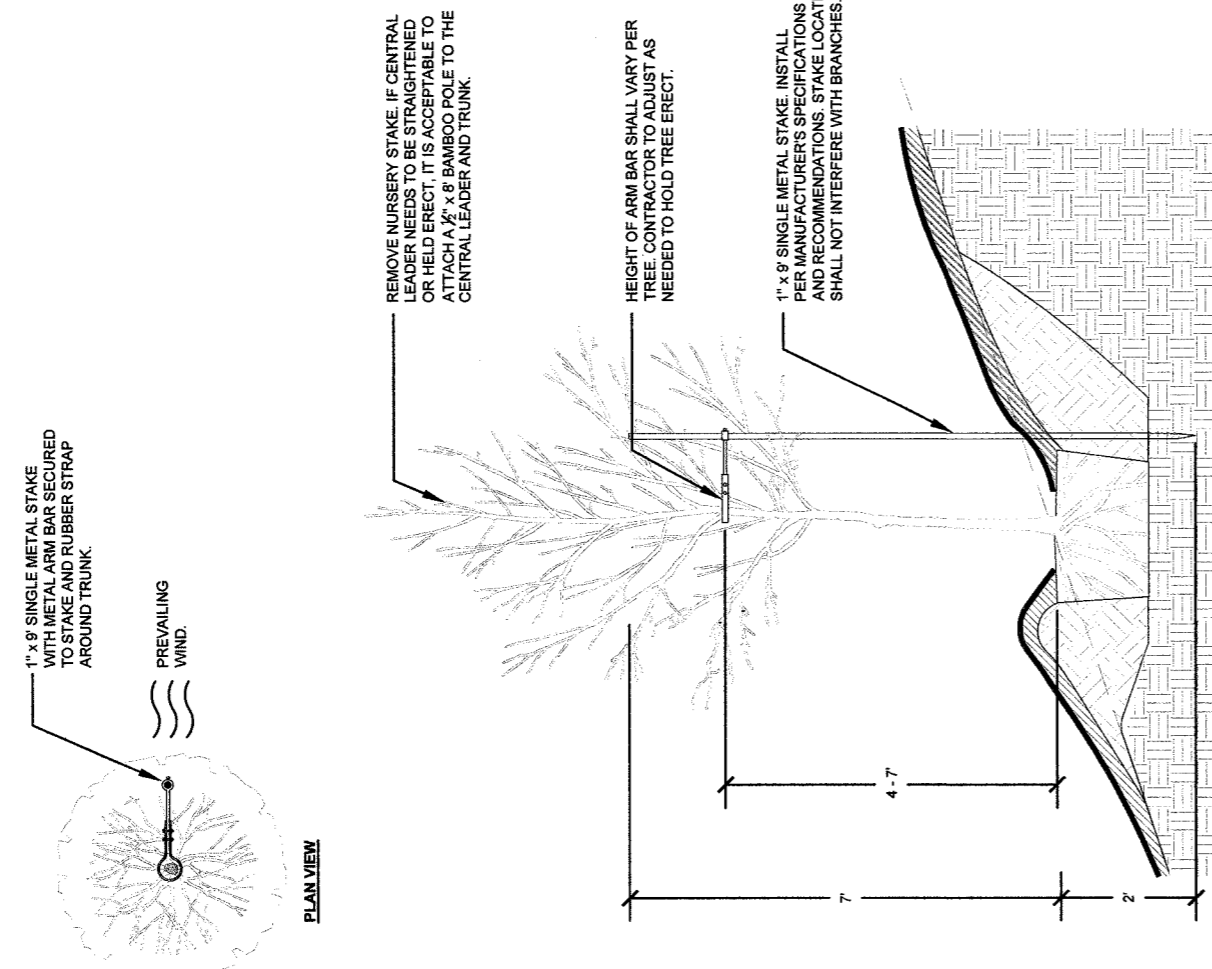
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Table with 2 columns: PROJECT NO. (P1427), CHECKED BY/Checker (QC BY: 12/23/2014), DATE, Schematic Design, NET PLAN

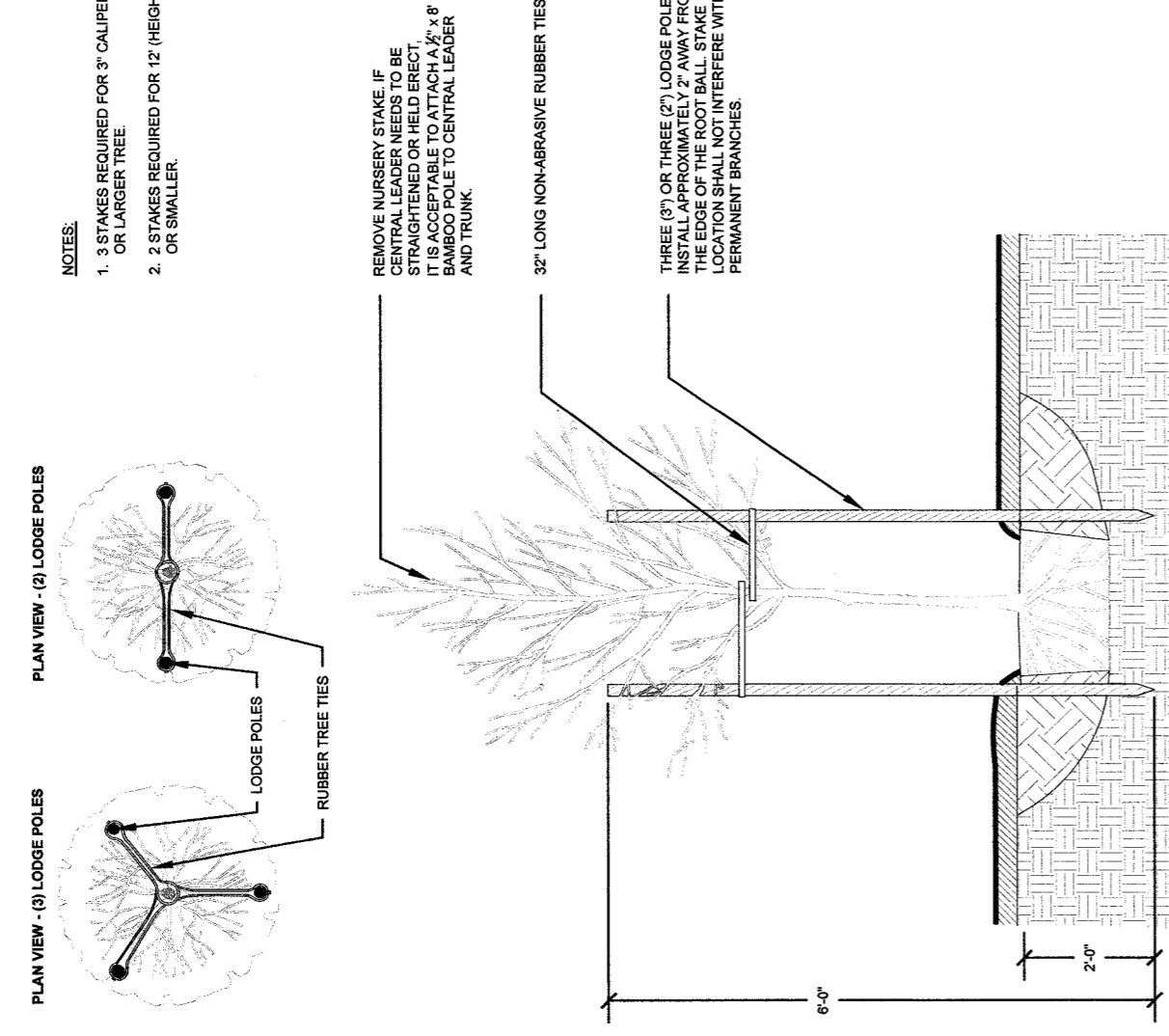
SHEET TITLE: PLANTING DETAILS MISCELLANEOUS



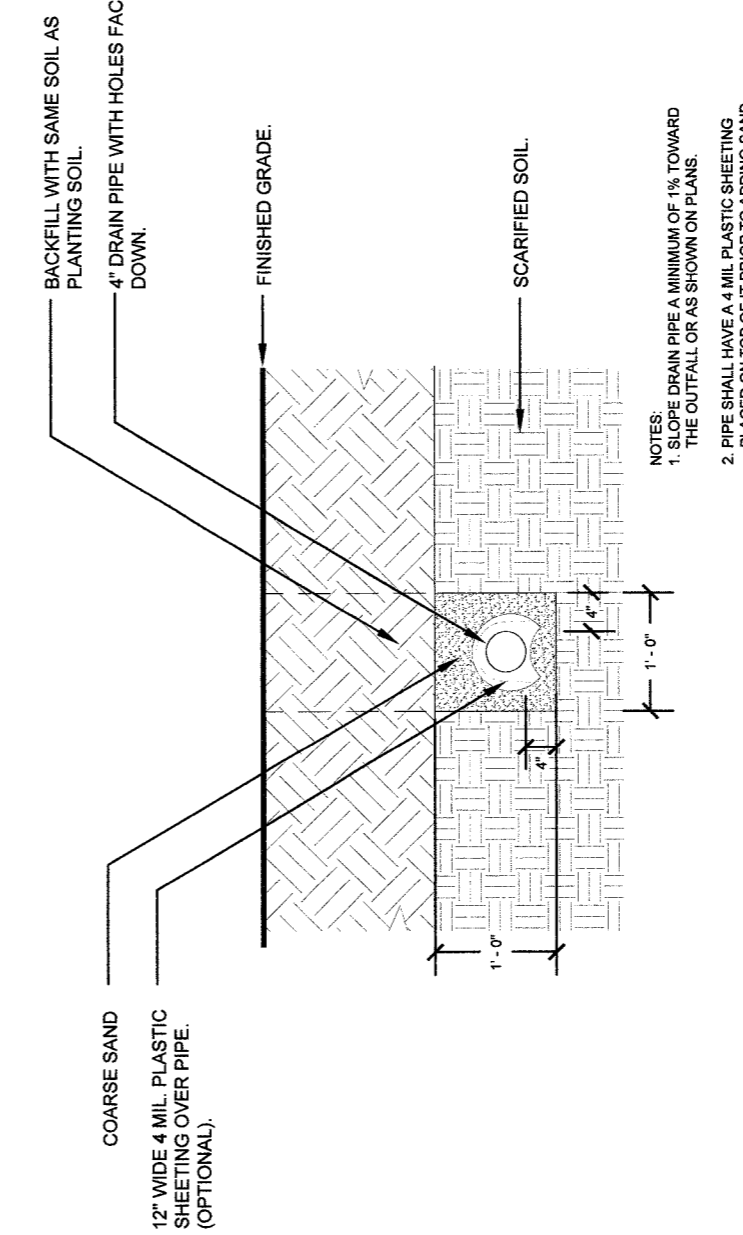
3 Gravel Band With Steel Edge L201 Not To Scale SECTION



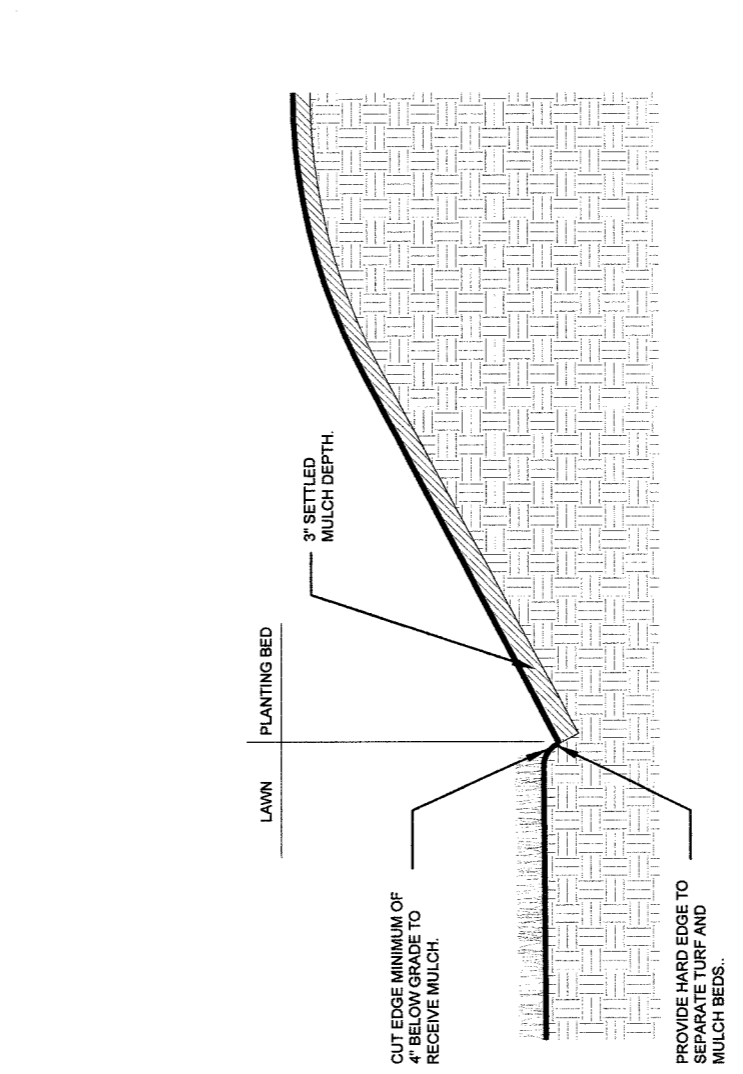
2 Tree Staking - On Slope L201 Not To Scale SECTION/PLAN



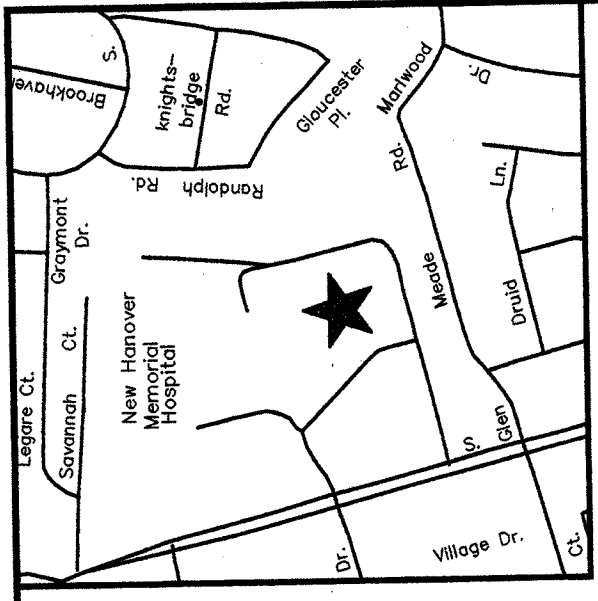
1 Tree Staking - Lodge Poles (2) or (3) L201 Not To Scale SECTION/PLAN



5 Planting Pit/Bed Drain Detail L201 Not To Scale SECTION



4 Lawn/Plant Bed Trench Edging L201 Not To Scale SECTION



VICINITY MAP
NO SCALE



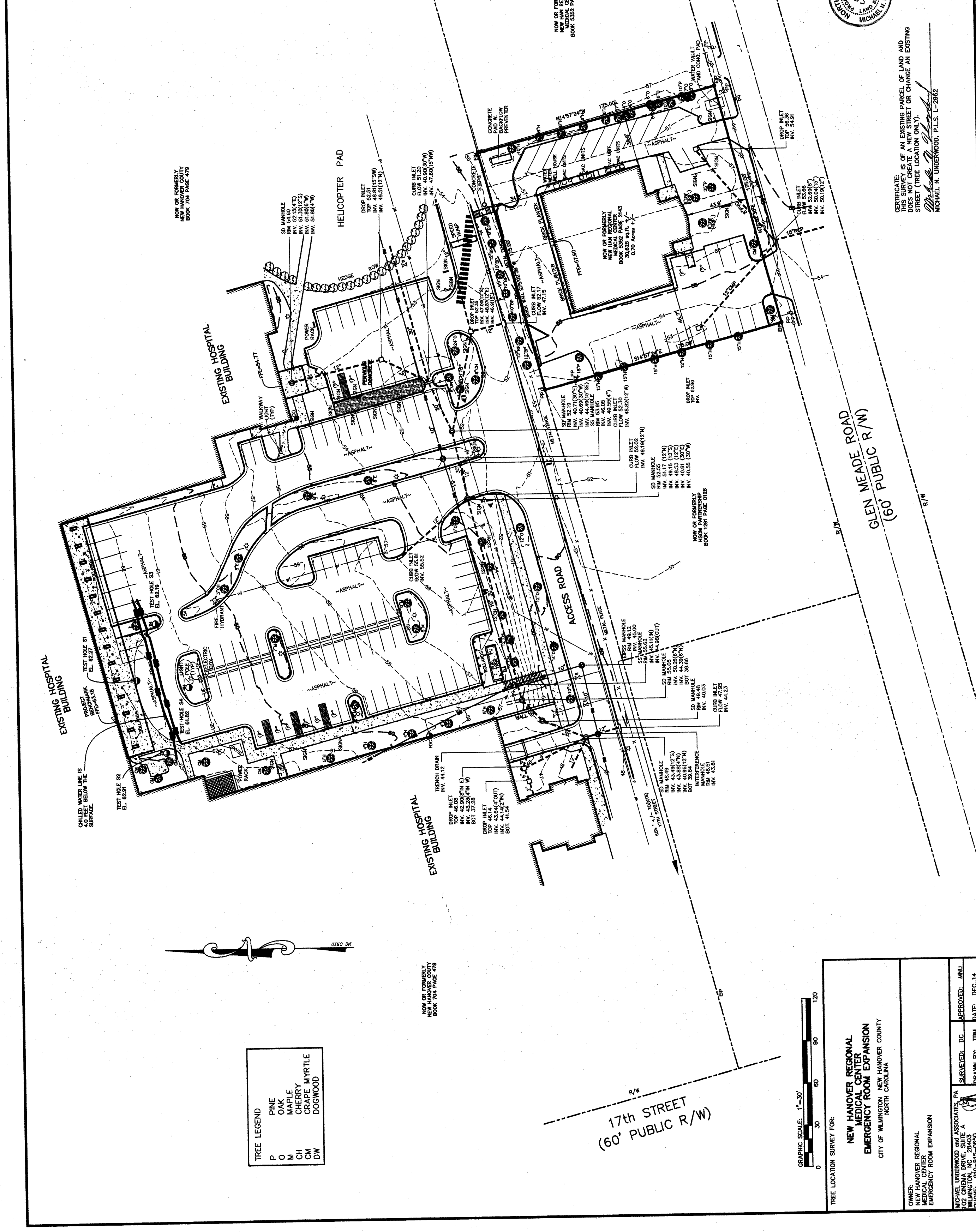
NORTH CAROLINA COUNTY
NEW HANOVER

I, MICHAEL N. UNDERWOOD, CERTIFY THAT THIS SURVEY WAS MADE UNDER MY SUPERVISION AND THAT THE DATA SHOWN ON THE FACE OF THIS PLAN OR MAP WAS OBTAINED BY ME OR BY A LICENSED SURVEYOR UNDER MY CLOSE PERSONAL SUPERVISION AND THAT THE STANDARDS OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA WERE OBSERVED. THIS SURVEY WAS COMPLETED ON THE 10TH DAY OF DECEMBER, A.D., 2014.

MICHAEL N. UNDERWOOD, P.E.
LICENSE NUMBER L-2982
SEAL OR STAMP

CERTIFICATE: THIS SURVEY IS OF AN EXISTING PARCEL OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET (SEE LOCATION ONLY).

MICHAEL N. UNDERWOOD, P.L.S. L-2982



TREE LEGEND

P	PINE
O	OAK
M	MAPLE
CH	CHERRY
CA	CREPE MYRTLE
DW	DOGWOOD



TREE LOCATION SURVEY FOR:

NEW HANOVER REGIONAL MEDICAL CENTER EMERGENCY ROOM EXPANSION
CITY OF WILMINGTON, NEW HANOVER COUNTY, NORTH CAROLINA

OWNER:	NEW HANOVER REGIONAL MEDICAL CENTER EMERGENCY ROOM EXPANSION
DESIGNER:	UNDERWOOD AND ASSOCIATES, PA 10101 WILMINGTON DRIVE, SUITE A WILMINGTON, NC 28403 PHONE: 910-815-2650 FAX: 910-815-2650
SURVEYED BY:	DC
APPROVED BY:	MANU
DRAWN BY:	TBM
DATE:	DEC. 14
CHECKED BY:	MANU
SCALE:	1\"/>

NOW OR FORMERLY NEW HANOVER COUNTY BOOK 3582 PAGE 478

NOW OR FORMERLY NEW HANOVER COUNTY BOOK 3582 PAGE 478

NOW OR FORMERLY ALBERT M. JOHN S. CANNONHAM BOOK 3794 PAGE 0474

NOW OR FORMERLY NEW HANOVER REGIONAL MEDICAL CENTER BOOK 3332 PAGE 2143

NOW OR FORMERLY NEW HANOVER REGIONAL MEDICAL CENTER BOOK 3332 PAGE 2143 0.70 ACRES ±

NOW OR FORMERLY NEW HANOVER COUNTY BOOK 1201 PAGE 0126