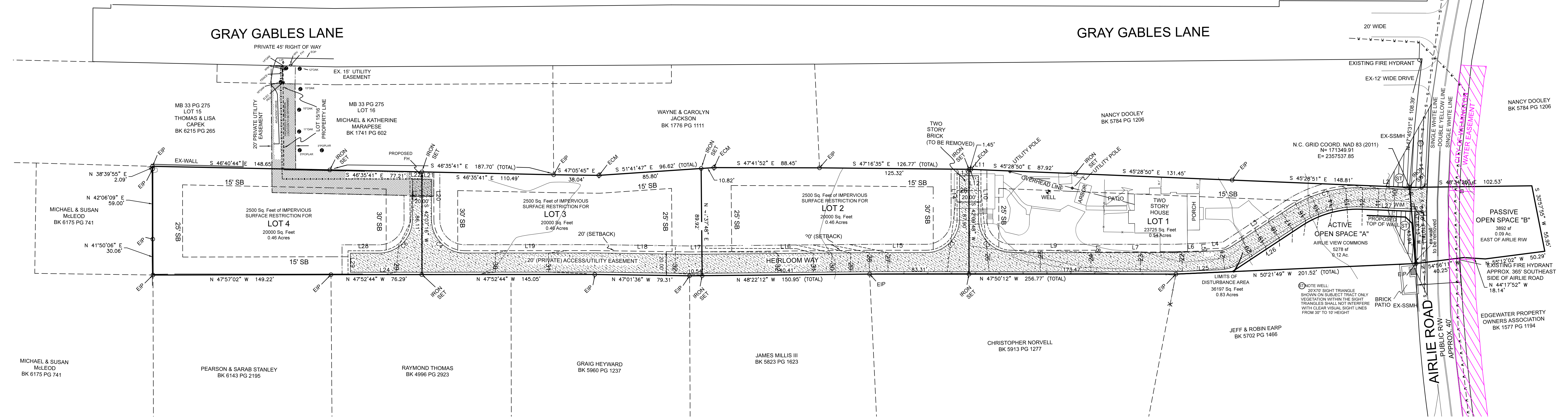
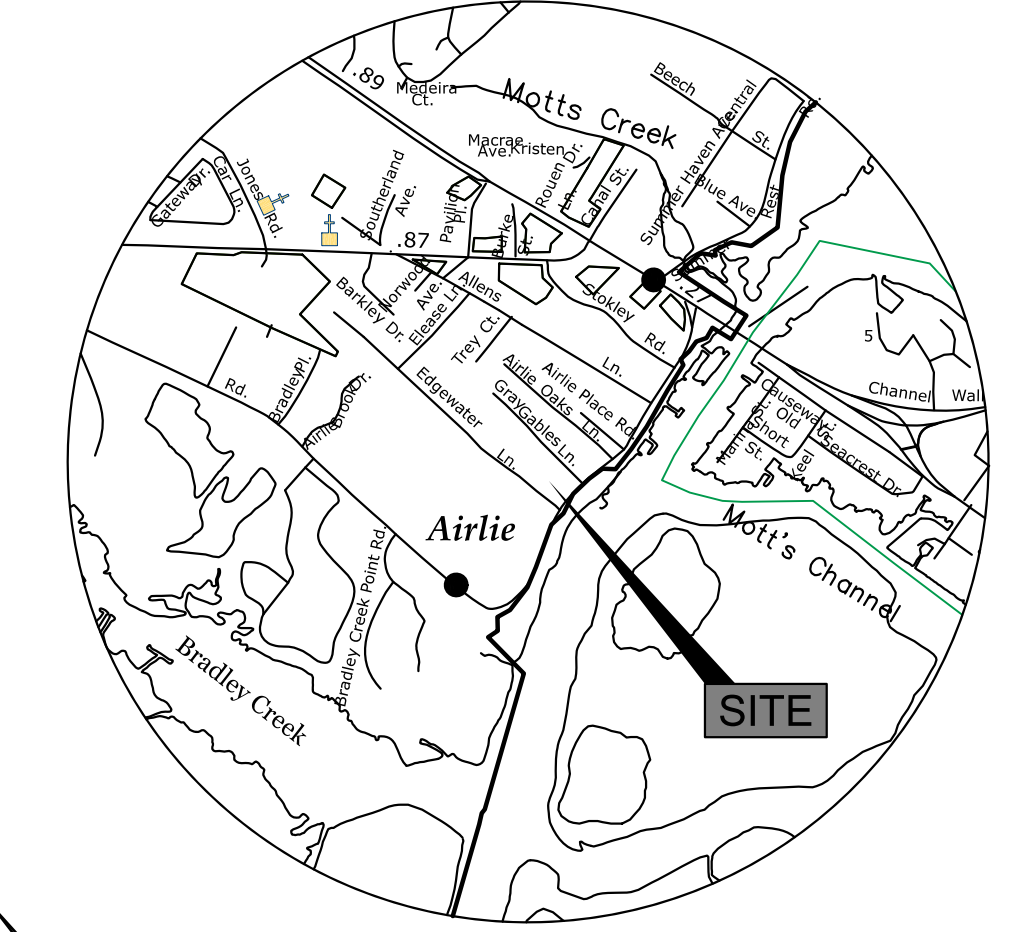


LINE	BEARING	DISTANCE
L1	N 37°15'13\"	E 20.16
L2	N 45°28'51\"	W 39.46
L3	N 81°15'05\"	W 64.08
L4	N 50°21'49\"	W 15.00
L5	S 39°38'11\"	W 1.50
L6	N 50°21'49\"	W 26.32
L7	N 47°50'12\"	W 67.06
L8	N 42°09'48\"	E 1.50
L9	N 42°50'12\"	W 70.00
L10	N 42°09'48\"	E 41.53
L11	N 45°28'50\"	W 8.55
L12	N 47°16'35\"	W 1.45
L13	N 47°16'35\"	W 10.00
L14	S 42°09'48\"	W 42.00
L15	N 47°50'12\"	W 47.40
L16	N 48°22'12\"	W 140.51
L17	N 48°22'12\"	W 10.30
L18	N 47°01'56\"	W 79.22
L19	N 47°52'44\"	W 109.19
L20	N 42°07'16\"	E 39.88
L21	N 46°35'41\"	W 10.00
L22	N 46°35'41\"	W 10.00
L23	S 42°07'16\"	W 40.34
L24	N 47°52'44\"	W 62.00
L25	S 50°21'49\"	E 47.26
L26	S 81°15'05\"	E 69.60
L27	S 45°28'51\"	E 42.00
L28	N 47°52'44\"	W 26.00
L29	S 42°07'16\"	W 20.00

CURVE	RADIUS	ARC	CHORD	BEARING	CHORD LENGTH
C1	105.00	65.55	N 63°21'58\"	W 64.49	
C2	26.00	40.84	N 02°50'12\"	W 36.77	
C3	26.00	40.84	S 87°09'48\"	W 36.77	
C4	26.00	40.84	N 02°52'44\"	W 36.77	
C5	85.00	53.07	S 63°21'58\"	E 52.21	
C6	26.00	40.84	S 87°07'16\"	W 36.77	

LOCATION MAP
NOT TO SCALE



SITE DATA

1205 AIRLIE RD.
TAX PARCEL ID R05700-006-039-000
2.05 ACRES TOTAL TRACT
TOTAL LOTS PROPOSED 4
MINIMUM LOT SIZE 20,000 SF
MAXIMUM LOT SIZE 25,189 SF

ZONED R-20

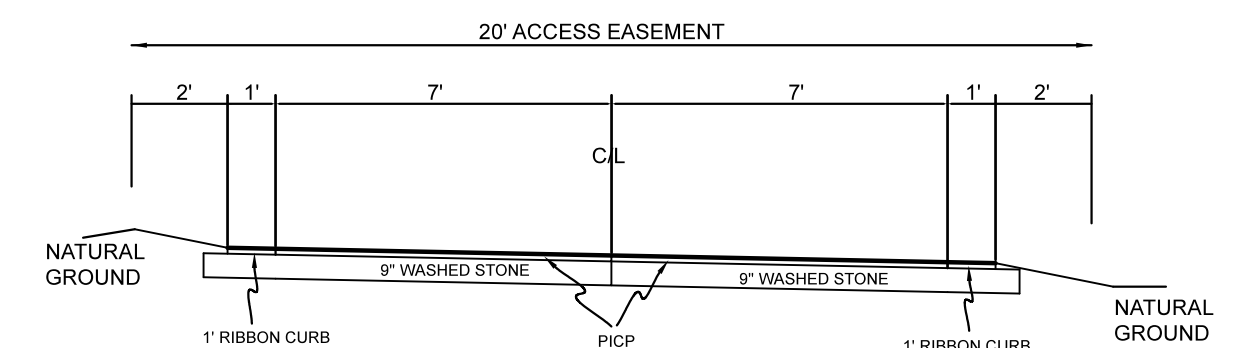
SETBACKS
FRONT 30 FT.
REAR 25 FT.
SIDE 15 FT.
SIDE 15 FT.

NOTE: WATER AND SEWER TO BE PROVIDED BY PRIVATE SERVICE LINES.

PROPOSED PERMEABLE DRIVE MATERIAL



DRIVE CROSS SECTION



NOTES:
1. AREA COMPUTED BY COORDINATE METHOD
2. ALL DISTANCES ARE HORIZONTAL
3. FOR REFERENCE SEE M.B. 38 PG 344.

LEGEND:
E.C.M. = EXISTING CONCRETE MONUMENT
E.I.P. = EXISTING IRON PIPE
I.S. = IRON SET
U.E. = UTILITY EASEMENT
⊙ = EXISTING SANITARY SEWER MANHOLE
— s — s — = EXISTING SANITARY SEWER LINE
— v — v — = EXISTING WATER LINE

PRELIMINARY PLAN

REV. NO.	REVISIONS	DATE
4		
3		
2	TRC COMMENTS	9/28/2020
1	UPDATED DRAINAGE PLAN	9/10/2020

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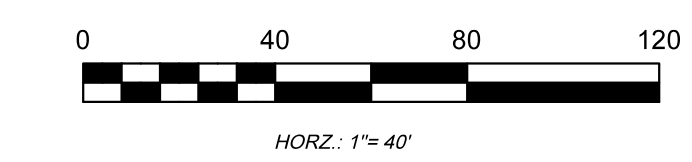
APPROVED DRAINAGE PLAN

Date: _____ Permit # _____
Signed: _____

Approved Construction Plan
Date: December 3, 2020
Project #: 2020001
Stormwater Permit #: 2020029

PRELIMINARY PLAT OF
AIRLIE VIEW SUBDIVISION
1205 AIRLIE ROAD

LOCATED WITHIN THE CITY OF WILMINGTON, N.C.

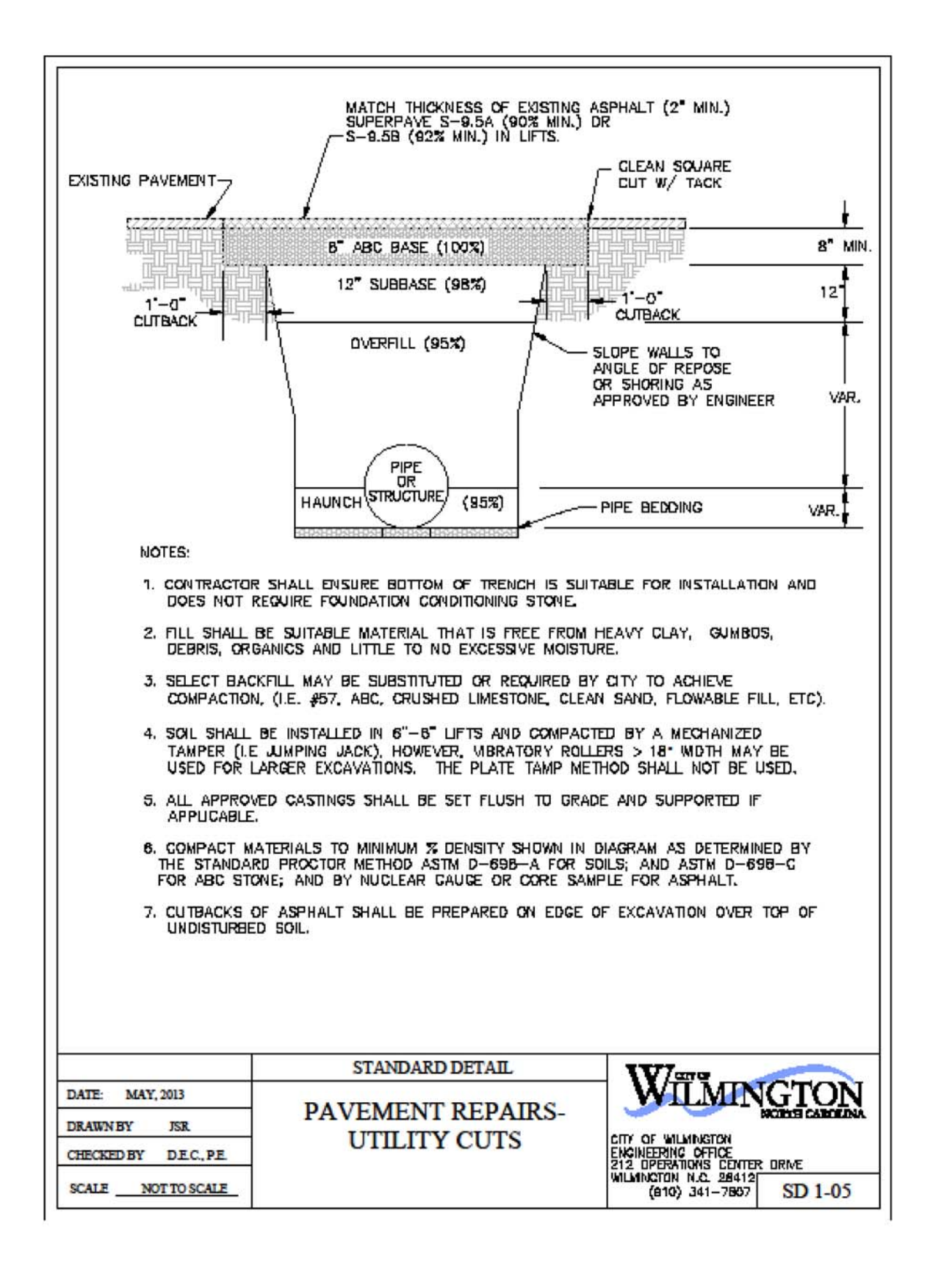
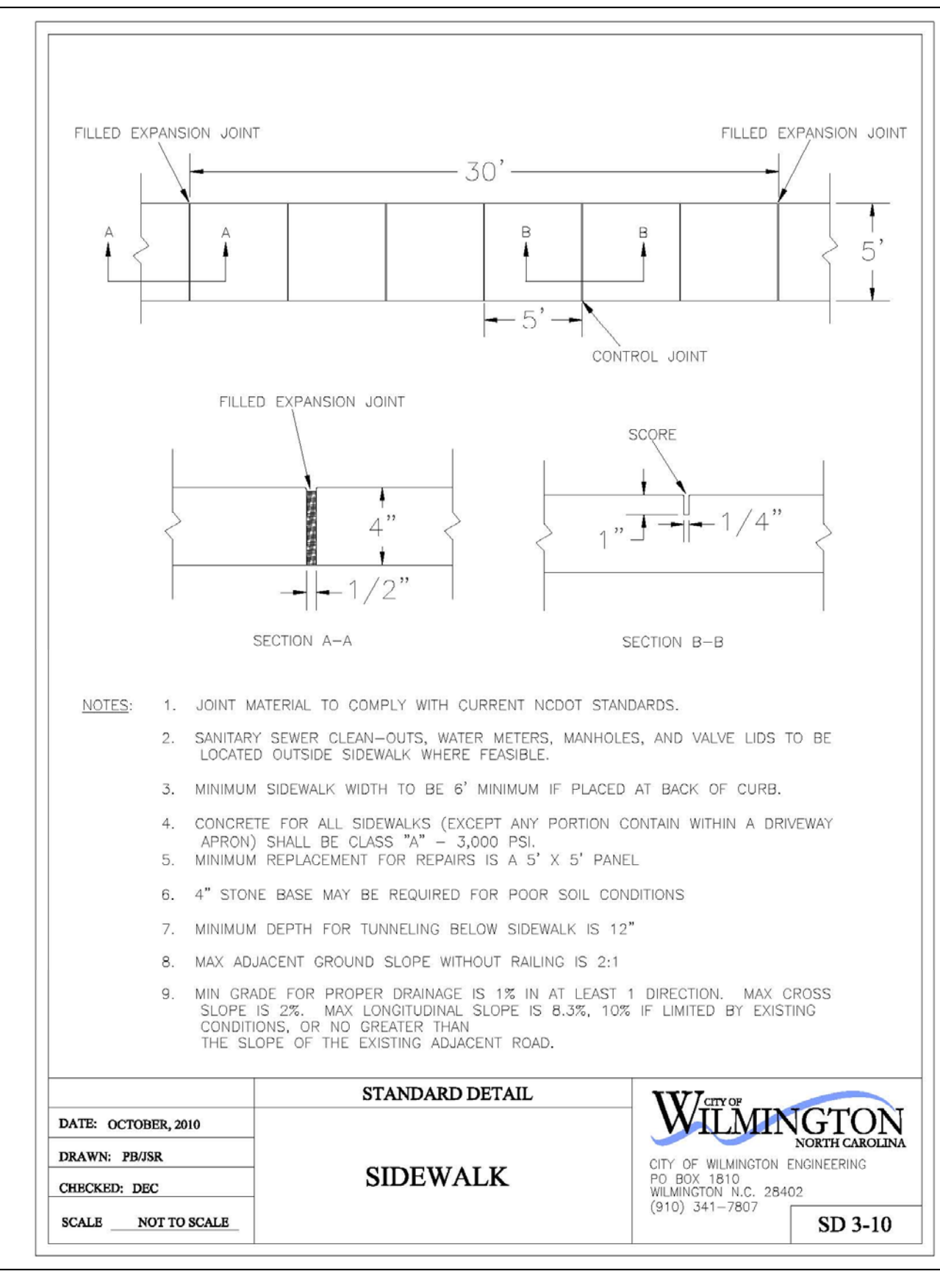
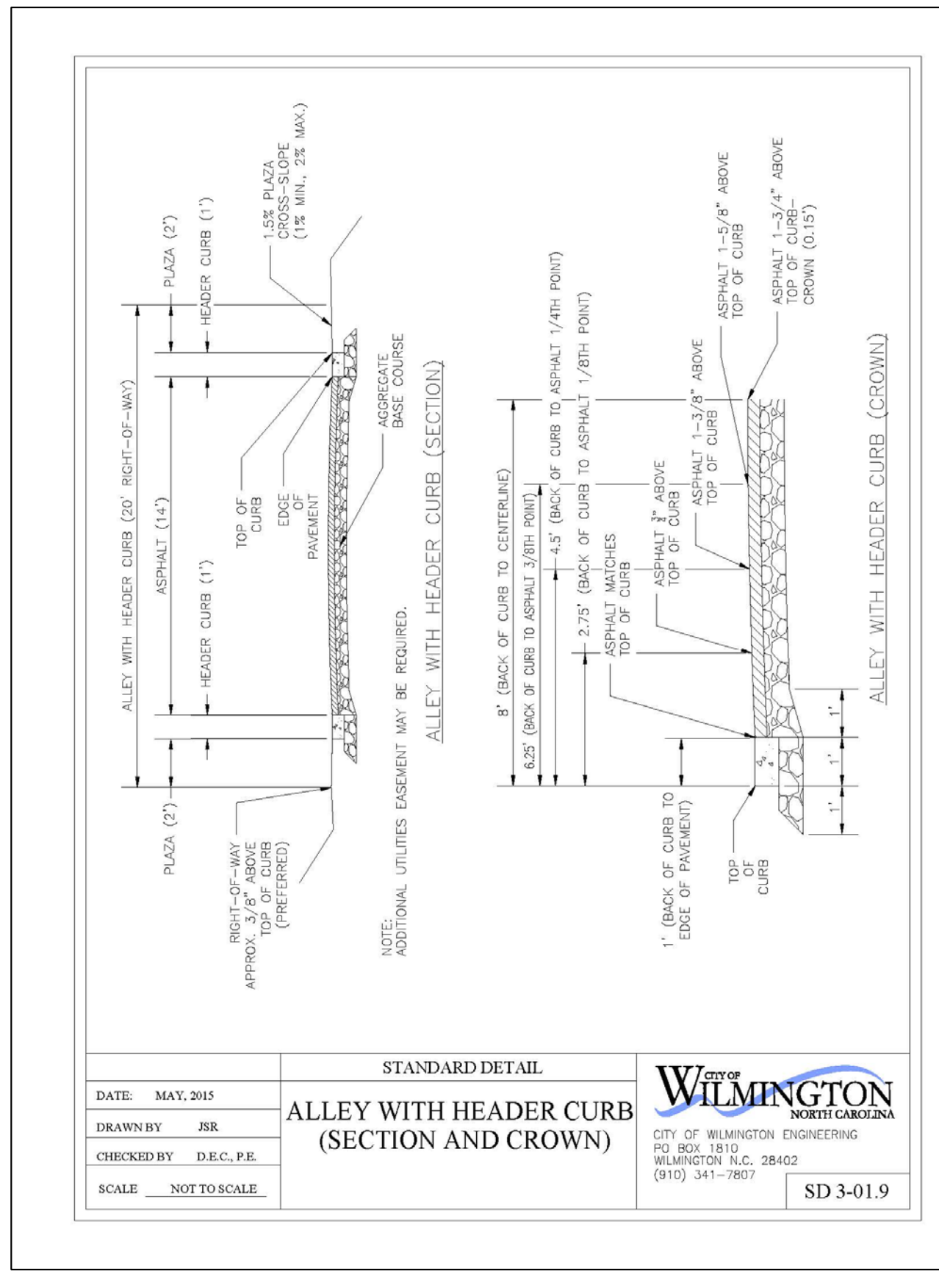
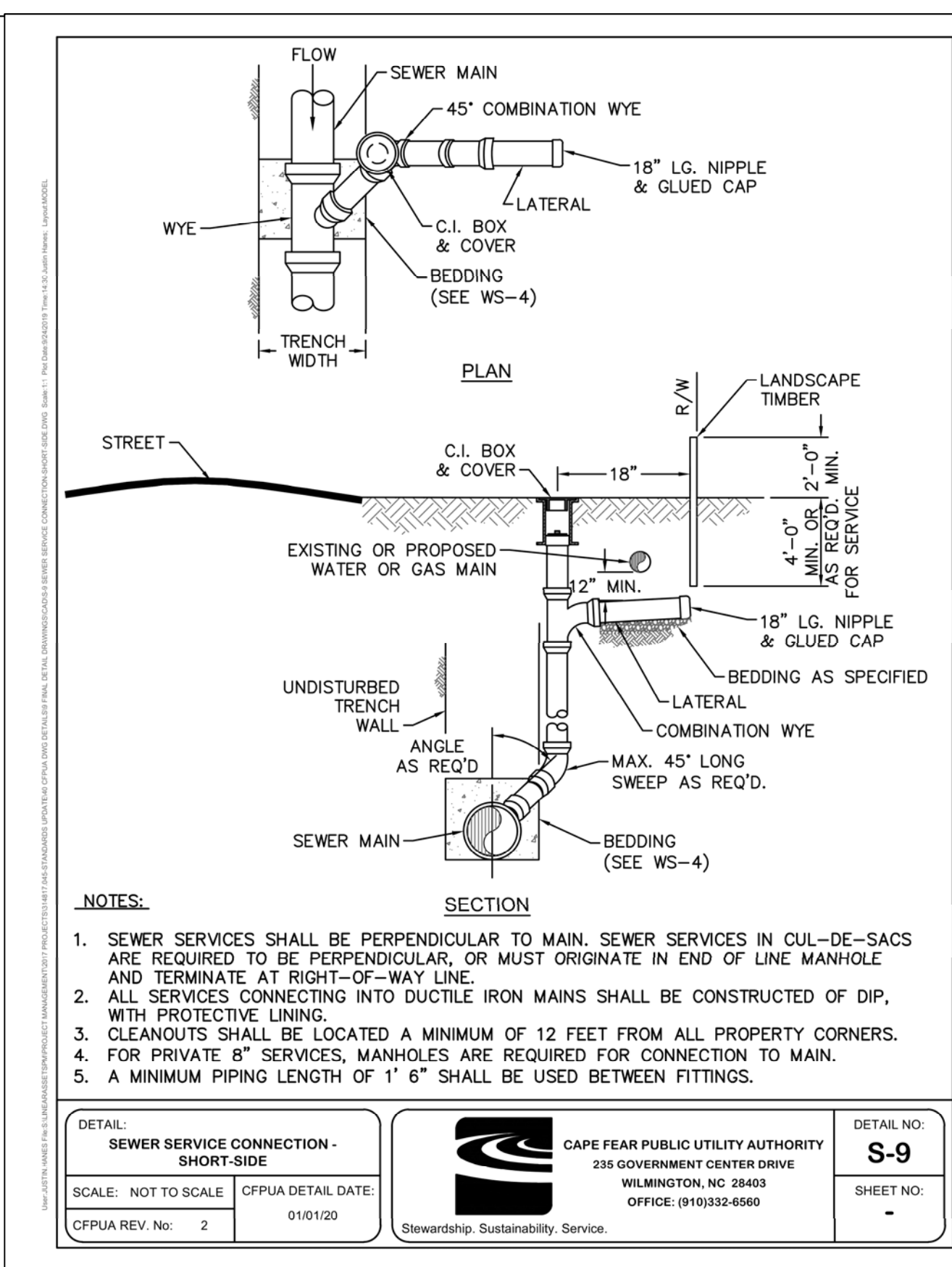
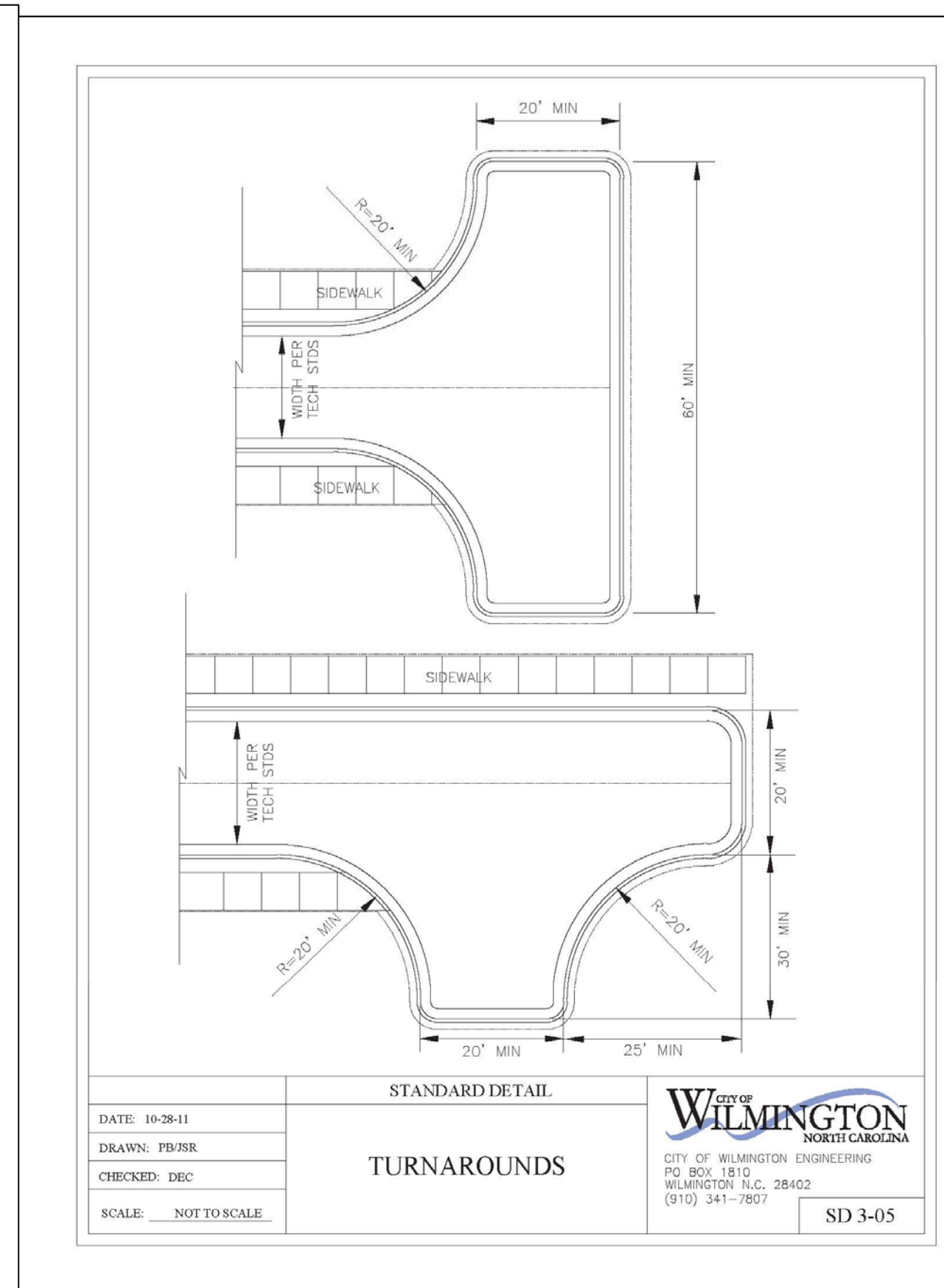
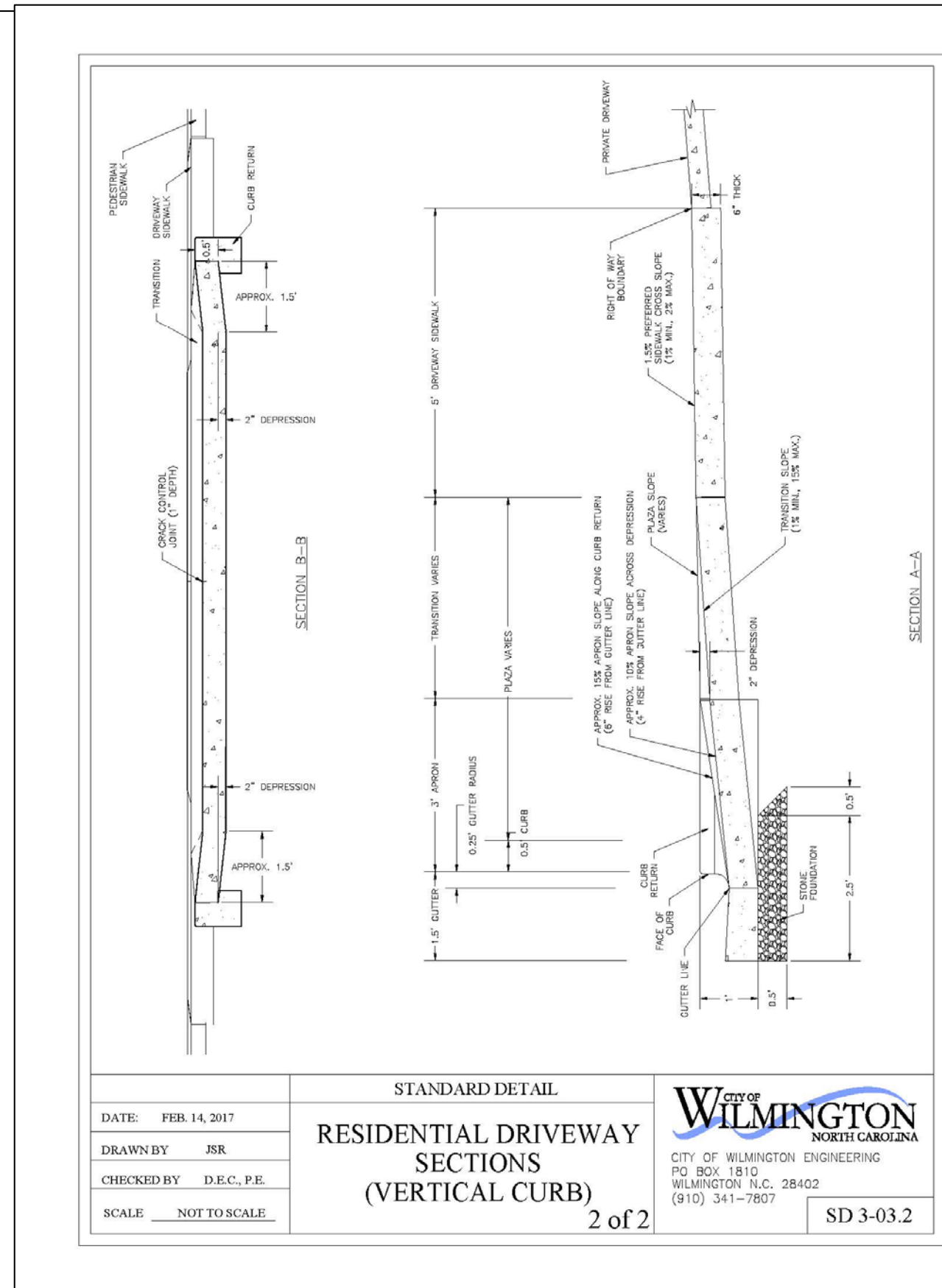
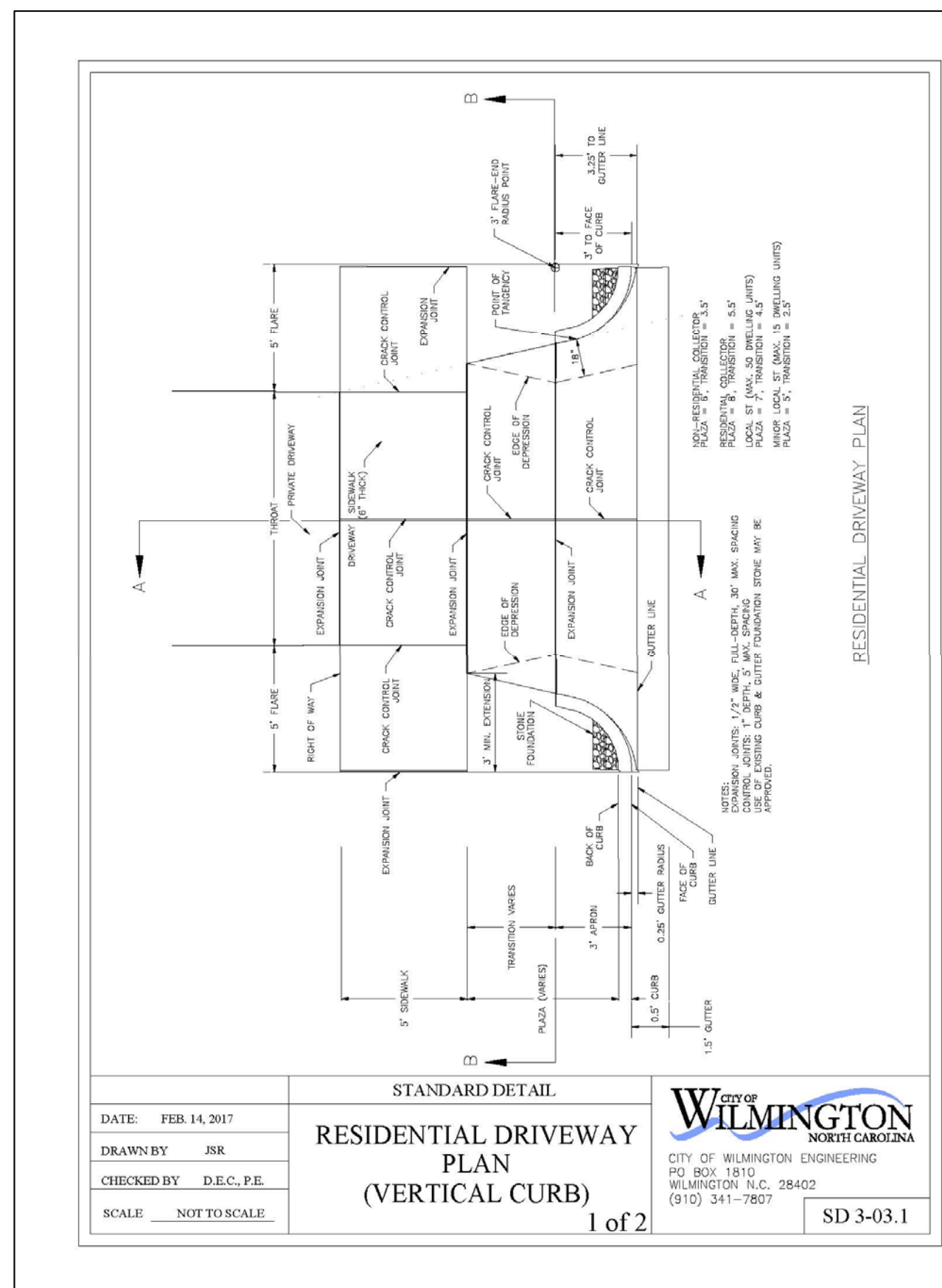


HORIZ: 1" = 40'

OWNER: ROBERT HOLDING
1205 AIRLIE ROAD
WILMINGTON, N.C.

HANOVER DESIGN SERVICES, P.A.
LAND SURVEYORS, ENGINEERS & LAND PLANNERS
1123 FLORAL PARKWAY
WILMINGTON, N.C. 28403
PHONE: (910) 343-0002
LICENSE # C-5987

Date: JUNE 2020
Scale: HORIZ: 1" = 40'
Drawn: MJL
Checked: GAW
Project No: 14902
Sheet No: 1
Of: 5



PRELIMINARY PLAN

REV. NO.	REVISIONS	DATE
3		
2	TRC COMMENTS	9/28/2020
1	UPDATED DRAINAGE PLAN	9/10/2020

NOTES:
 1. AREA COMPUTED BY COORDINATE METHOD
 2. ALL DISTANCES ARE HORIZONTAL
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LEGEND:
 E.C.M. = EXISTING CONCRETE MONUMENT
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 U.E. = UTILITY EASEMENT
 ☉ = EXISTING SANITARY SEWER MANHOLE
 - - - - - = EXISTING SANITARY SEWER LINE
 - - - - - = EXISTING WATER LINE

Approved Construction Plan
 Date: December 3, 2020
 Project #: 2020001
 Stormwater Permit #: 2020029

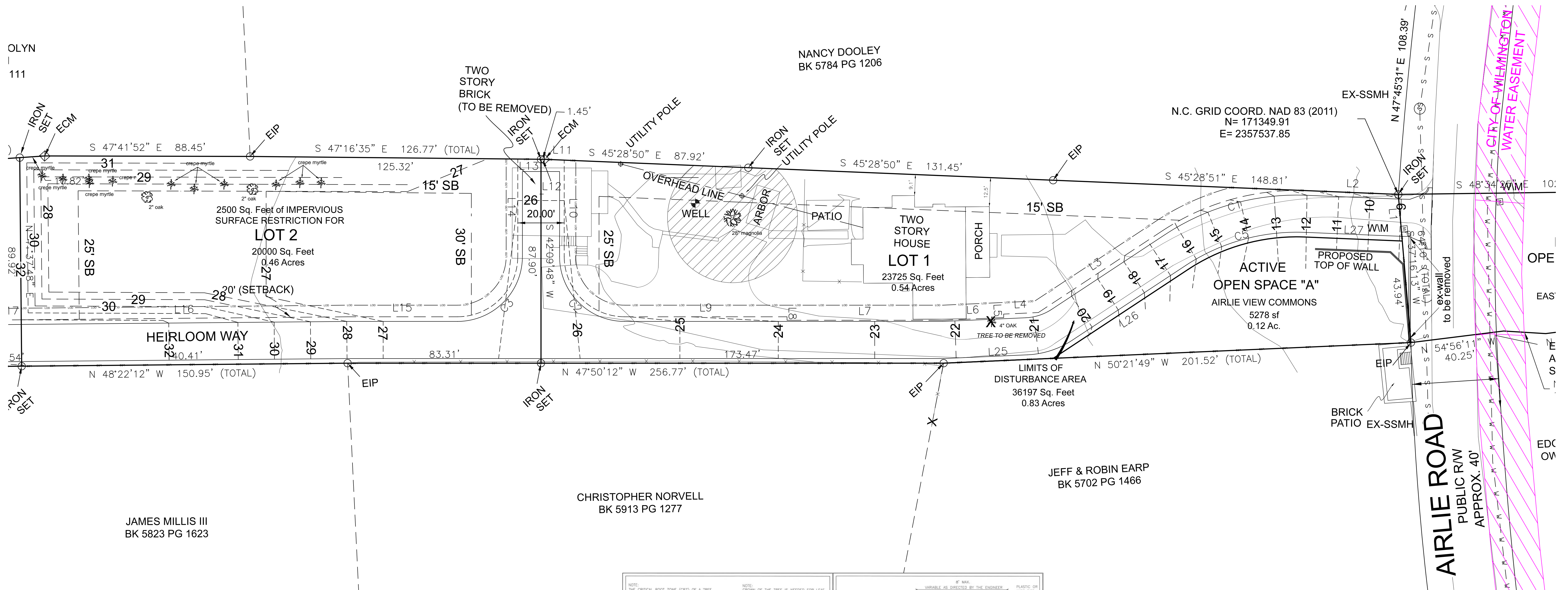
OWNER: ROBERT HOLDING
 1205 AIRLIE ROAD
 WILMINGTON, N.C.

HANOVER DESIGN SERVICES, P.A.
 LAND SURVEYORS, ENGINEERS & LAND PLANNERS
 1123 FLORAL PARKWAY
 WILMINGTON, N.C. 28403
 PHONE: (910) 343-0002
 LICENSE # C-5597

Date:	APRIL 2020
Scale:	NOT TO SCALE
Drawn:	MJL
Checked:	AHG
Project No:	14902
Sheet No:	2
Of:	5

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OLYN
111



JAMES MILLIS III
BK 5823 PG 1623

CHRISTOPHER NORVELL
BK 5913 PG 1277

JEFF & ROBIN EARP
BK 5702 PG 1466

PRELIMINARY MAP

REV. NO.	REVISIONS	DATE
4		
3		
2	TRC COMMENTS	9/28/2020
1	UPDATED DRAINAGE PLAN	9/10/2020

- NOTES:
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E.I.P. = EXISTING IRON PIPE
I.S. = IRON SET
U.E. = UTILITY EASEMENT



X = TREE TO BE REMOVED

NOTE: THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS GROW TO PRODUCE OXYGEN, FEED THE AIR, REDUCE WIND AND SOFTEN NOISE. IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2"-3X THE HEIGHT OF THE TREE.

NOTE: CROWN OF THE TREE IS NEEDED FOR LEAF GROWTH TO PRODUCE OXYGEN, FEED THE AIR, REDUCE WIND AND SOFTEN NOISE. DO NOT DISRUPT CROWN WITH INTENSIVE PRUNING.

NOTE: CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
2. CRZ RADIUS IS 1 FT PER INCH OF TREE DIAMETER AT BREAST HEIGHT (DBH).
3. IF CONSTRUCTION OCCURS WITHIN THE CRZ, AT LEAST 1/2" OF MULCH AND/OR LOGGING MATS SHALL BE PLACED WHERE MACHINERY MANEUVERS TO REDUCE SOIL COMPACTION IN THIS ZONE.
4. WHERE SIDEWALKS AND DRIVEWAYS PASS WITHIN CRZ, EXTRA CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ROOTS. ALTERNATE CONSTRUCTION METHODS, SUCH AS A REINFORCED SIDEWALK, SHALL BE IMPLEMENTED AS NECESSARY.
5. FOR ALL TREES, CUTTING OF LARGE STRUCTURAL ROOTS LOCATED NEAR THE BASE OF THE TRUNK IS PROHIBITED. DO NOT COMPACT SOIL BENEATH TREES. NO LAMINATIONS, CONSTRUCTION EQUIPMENT, OR ANYTHING ELSE IS PROHIBITED.
6. EQUIPMENT SHALL BE STORED AWAY FROM TREES. DAMAGE TO THE BANK WITH CONSTRUCTION SHALL REPAIR DAMAGE TO TREES.
7. FAILURE TO INSTALL OR MAINTAIN PROTECTION MEASURES SHALL RESULT IN A STOP WORK ORDER AND FINE OF \$500/DAY, DISTURBANCE OTHER THAN THAT ALLOWED ON THE APPROVED PLAN WILL REQUIRE OWNER TO POST A LETTER OF CREDIT FOR 3 YEARS FOR TREE MITIGATION.

STANDARD DETAIL
DATE: JAN 2015
DRAWN BY: JHE
CHECKED BY: BJK/PL
SCALE: NOT TO SCALE
SHEET 1 of 2

WILMINGTON NORTH CAROLINA
CITY OF WILMINGTON ENGINEERING
400 BOB BIRD
WILMINGTON, NC 28402
(910) 341-7807
SD 15-09

NOTE: THE CRITICAL ROOT ZONE (CRZ) OF A TREE IS WHERE THE MAJORITY OF A TREE'S ROOTS GROW TO PRODUCE OXYGEN, FEED THE AIR, REDUCE WIND AND SOFTEN NOISE. IN THE TOP 24" OF THE SOIL AND SUPPLY THE MAJORITY OF NUTRIENTS AND WATER. GENERALLY, ROOTS SPREAD OUT 2"-3X THE HEIGHT OF THE TREE.

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STANDARD DETAIL
DATE: JAN 2015
DRAWN BY: JHE
CHECKED BY: BJK/PL
SCALE: NOT TO SCALE
SHEET 2 of 2

WILMINGTON NORTH CAROLINA
CITY OF WILMINGTON ENGINEERING
400 BOB BIRD
WILMINGTON, NC 28402
(910) 341-7807
SD 15-09

CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN

Date: _____ Permit # _____
Signed: _____

Approved Construction Plan
Date: December 3, 2020
Project #: 2020001
Stormwater Permit #: 2020029

Planning
Traffic
Fire

EXISTING TOPO AND TREE SURVEY-SHEET 1
AIRLIE VIEW
LOCATED WITHIN THE CITY OF WILMINGTON, N.C.



OWNER: ROBERT HOLDING
1205 AIRLIE ROAD
WILMINGTON, N.C.

HANOVER DESIGN SERVICES, P.A.
LAND SURVEYORS, ENGINEERS & LAND PLANNERS
1123 FLORAL PARKWAY
WILMINGTON, N.C. 28403
PHONE: (910) 343-9002
LICENSE # C-0597

Date:	APRIL 2020
Scale:	HORZ.: 1" = 20'
Drawn:	MJL
Checked:	AHG
Project No:	14902
Sheet No:	3
Of:	5

MB 33 PG 275
LOT 15
THOMAS & LISA
CAPEK
BK 6215 PG 265

MB 33 PG 275
LOT 16
MICHAEL & KATHERINE
MARAPESE
BK 1741 PG 602

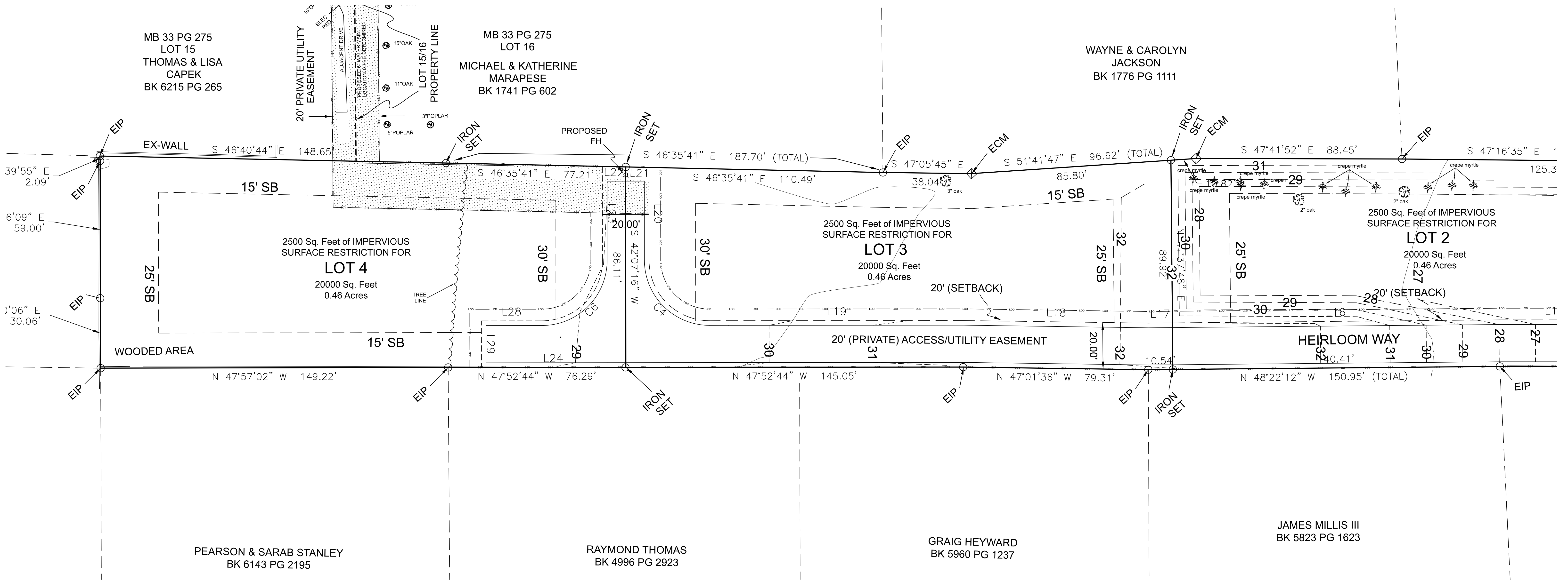
WAYNE & CAROLYN
JACKSON
BK 1776 PG 1111

PEARSON & SARAB STANLEY
BK 6143 PG 2195

RAYMOND THOMAS
BK 4996 PG 2923

GRAIG HEYWARD
BK 5960 PG 1237

JAMES MILLIS III
BK 5823 PG 1623



PRELIMINARY MAP

REV. NO.	REVISIONS	DATE
4		
3		
2	TRC COMMENT	9/28/2020
1	UPDATED DRAINAGE PLAN	9/10/2020

NOTES:
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2. ALL DISTANCES ARE HORIZONTAL
3. FOR REFERENCE SEE M.B. 38 PG 344.

LEGEND:
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CITY OF WILMINGTON
NORTH CAROLINA
Public Services • Engineering Division
APPROVED DRAINAGE PLAN
Date: _____ Permit # _____
Signed: _____

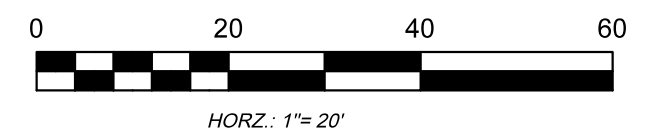
EXISTING TOPO AND TREE SURVEY-SHEET 2
AIRLIE VIEW
LOCATED WITHIN THE CITY OF WILMINGTON, N.C.

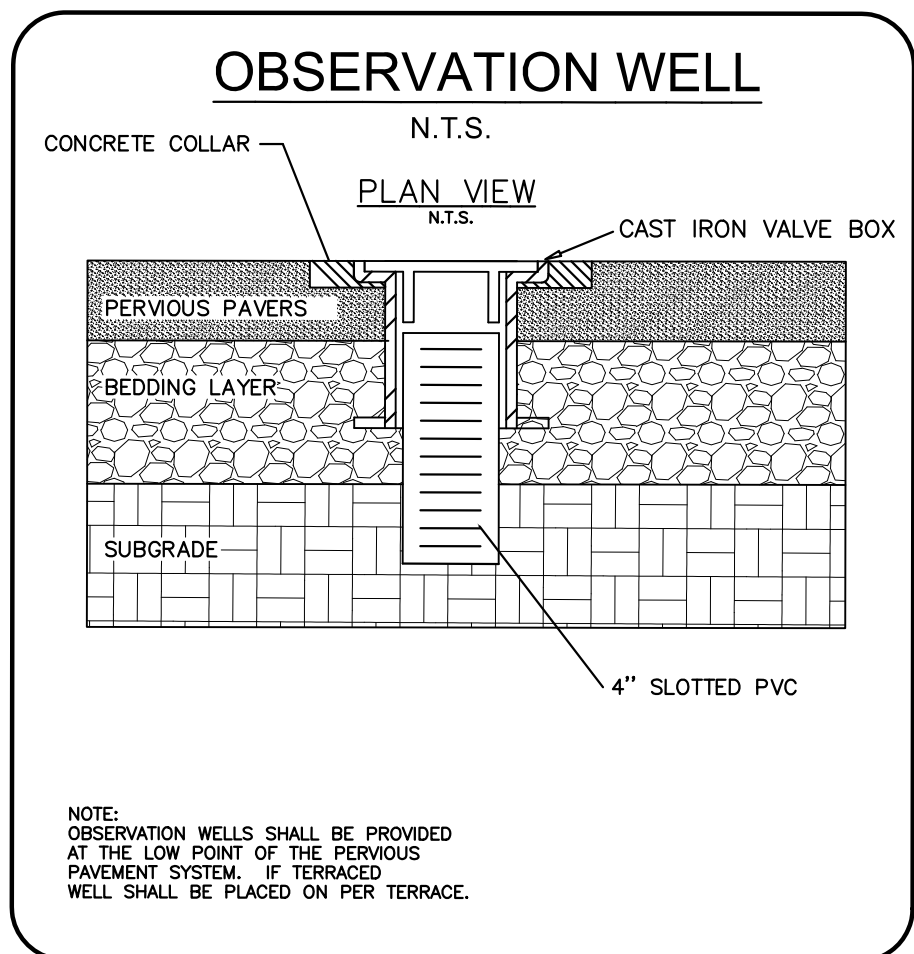
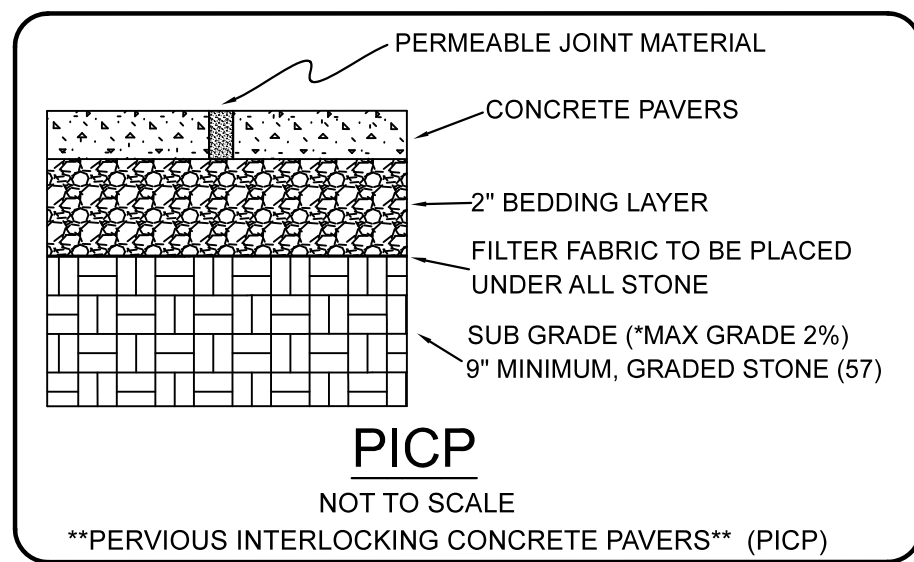
Approved Construction Plan
Date: December 3, 2020
Project #: 2020001
Stormwater Permit #: 2020029

OWNER: ROBERT HOLDING
1205 AIRLIE ROAD
WILMINGTON, N.C.

HANOVER DESIGN SERVICES, P.A.
LAND SURVEYORS, ENGINEERS & LAND PLANNERS
1123 FLORAL PARKWAY
WILMINGTON, N.C. 28403
PHONE: (910) 343-8002
LICENSE # C-5587

Date:	APRIL 2020
Scale:	HORZ.: 1" = 20'
Drawn:	MJL
Checked:	AHG
Project No.:	14902
Sheet No.:	4
Of:	5

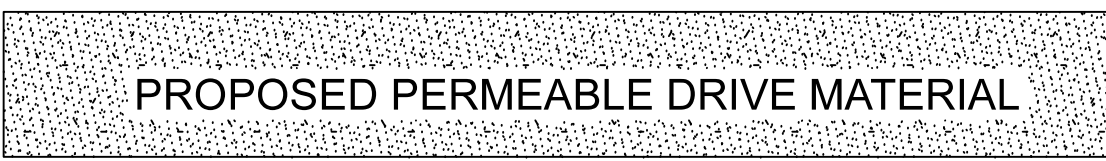
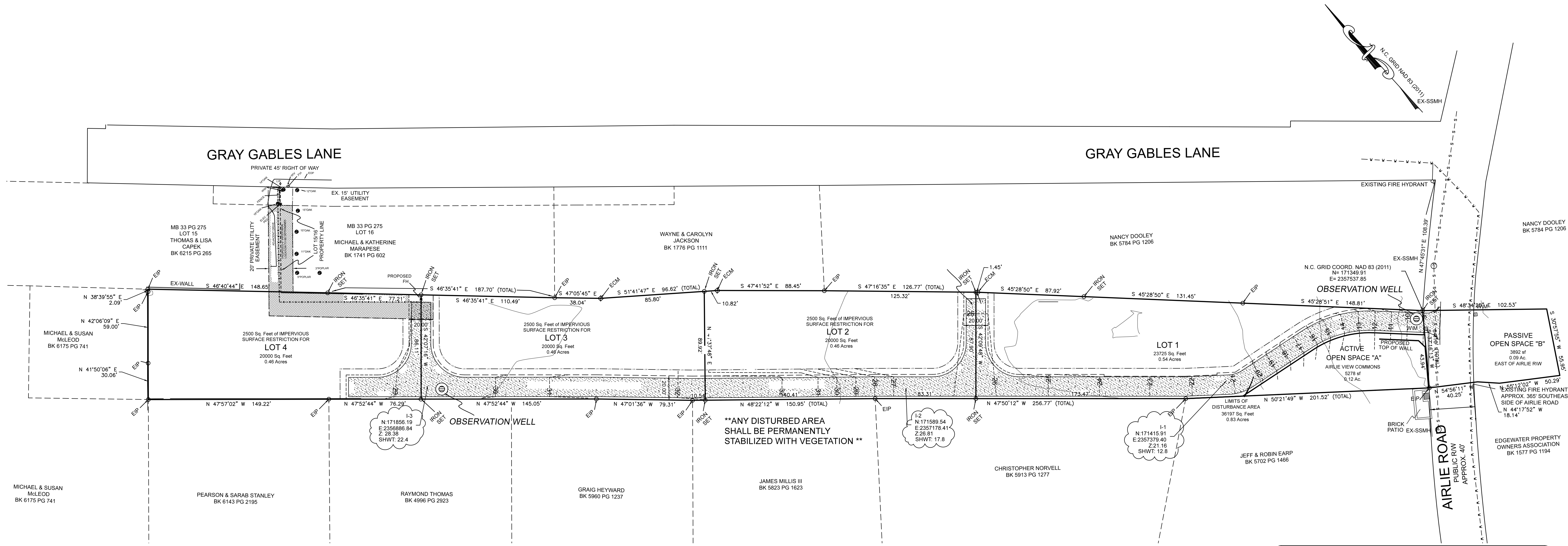




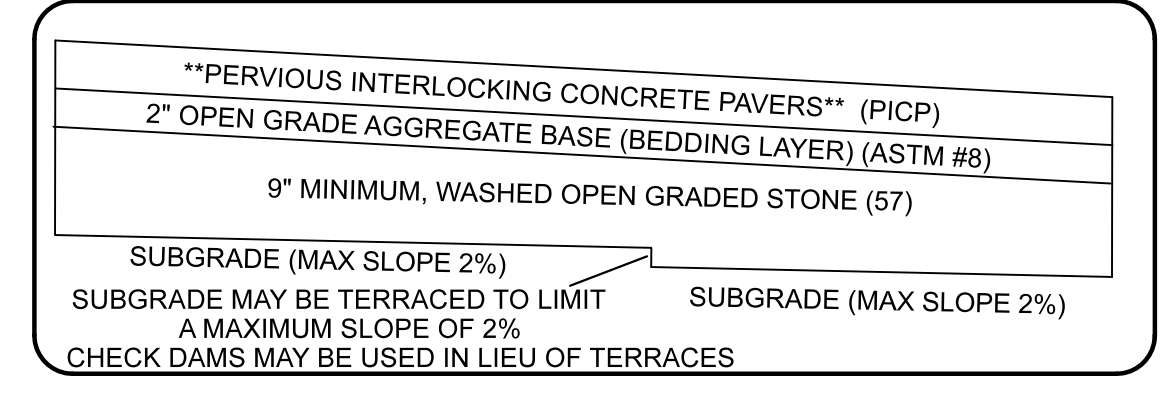
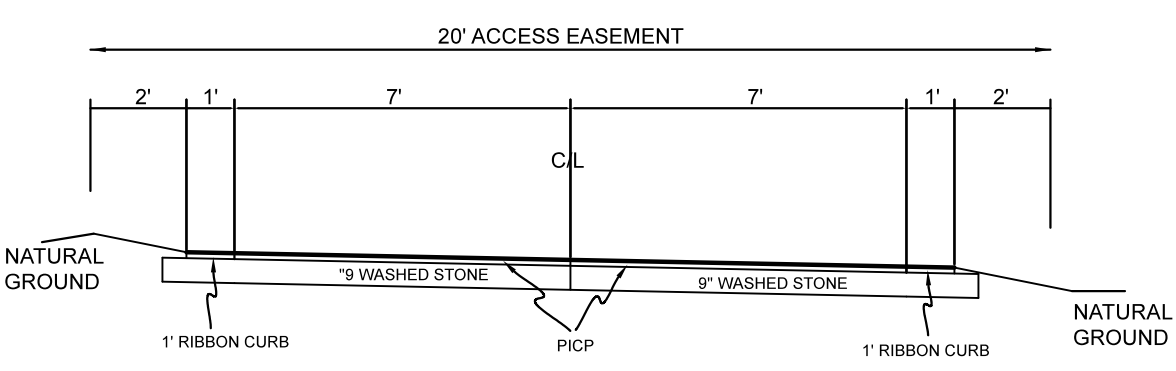
---30--- PROPOSED DRIVE CONTOURS
 (E) OBSERVATION WELL

- ADDITIONAL PICP NOTES**
- PAVEMENT SURFACE SHALL HAVE A MINIMUM INFILTRATION RATE OF 50 IN/HR
 - PAVEMENT THICKNESS MAY BE REDUCED OR INCREASED BASED ON GEOTECHNICAL ENGINEERS RECOMMENDATIONS.
 - MAXIMUM SOIL SUBGRADE SLOPE SHALL BE 2%. SUBGRADE MAY BE TERRACED OR GRADED BERMS MAY BE USED TO ACHIEVE A SLOPE LESS THAN OR EQUAL TO 2%
 - OBSERVATIONS WELLS SHALL BE PROVIDED AT THE LOW POINT OF THE SYSTEM. IF SYSTEM IS TERRACED THERE SHALL BE ONE OBSERVATION WELL PER TERRACE.
 - AGGREGATE BASE SHALL BE COMPRISED OF WASH STONE. PERCENT VOIDS SHALL BE 30%-40%
 - THE AREA ADJACENT TO THE PICP SHALL BE GRADED TO DIVERT RUNOFF FROM ALL OTHER AREAS.
 - SOIL SUBGRADES SHALL NOT BE GRADED WHEN SATURATED, ONLY GRADE WHEN DRY.
 - PICP SHALL BE PROTECTED QUARTLY AND ANY DEFICIENCIES REPAIRED
 - CONTRACTOR IS RESPONSIBLE FOR GEOTECHNICAL TESTING AS NECESSARY.
 - CONTRACTOR IS RESPONSIBLE FOR FOLLOWING ALL MANUFACTURING INSTALLATION GUIDELINES

NOTE WELL
 A SCM HAS BEEN REQUIRED TO MEET STORMWATER REGULATIONS
 THE PROPERTY OWNER MAY BE SUBJECT TO ENFORCEMENT ACTIONS
 IF THE SCM IS REMOVED, RELOCATED, OR ALTERED WITHOUT THE PROPER APPROVAL.



DRIVE CROSS SECTION



- NOTES**
1. AREA COMPUTED BY COORDINATE METHOD
 2. ALL DISTANCES ARE HORIZONTAL
 3. FOR REFERENCE SEE M.B. 38 PG 344

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 - I.S. = IRON SET
 - U.E. = UTILITY EASEMENT
 - (S) = EXISTING SANITARY SEWER MANHOLE
 - S--- = EXISTING SANITARY SEWER LINE
 - W--- = EXISTING WATER LINE

Infiltration Testing Form
 Airlie View
 Wilmington, New Hanover County, North Carolina

ECS Project No. 49.12041
 July 27, 2020

Location Depth USCS Soil Description
 I-1 0-40" SP Tan fine SAND
 40"-100" SP Orange/tan fine SAND
 100"-120" SM Brown silty SAND
 Seasonal High Water Table was estimated to be at 100 inches below the existing grade elevation.
 Test was conducted at 70 inches below existing grade elevation
 Infiltration Rate: 12.78 inches per hour

Location Depth USCS Soil Description
 I-2 0-18" SP Gray fine SAND
 18"-108" SP Tan/orange/brown fine SAND
 108"-120" SM Brown silty SAND
 Seasonal High Water Table was estimated to be at 108 inches below the existing grade elevation.
 Test was conducted at 66 inches below existing grade elevation
 Infiltration Rate: 14.96 inches per hour

Location Depth USCS Soil Description
 I-3 0-18" SP Gray fine SAND
 18"-72" SP Tan/orange fine SAND
 72"-80" SM Brown/tan silty SAND
 Seasonal High Water Table was estimated to be at 72 inches below the existing grade elevation.
 Test was conducted at 48 inches below existing grade elevation
 Infiltration Rate: 14.37 inches per hour

PRELIMINARY PLAN

REV. NO.	REVISIONS	DATE
3		
2	TRC COMMENT	9/28/2020
1	UPDATED DRAINAGE PLAN	9/10/2020

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CITY OF WILMINGTON
 NORTH CAROLINA
 Public Services • Engineering Division
 APPROVED DRAINAGE PLAN
 Date: _____ Permit # _____
 Signed: _____

DRAINAGE PLAN OF
AIRLIE VIEW SUBDIVISION
1205 AIRLIE ROAD
 LOCATED WITHIN THE CITY OF WILMINGTON, N.C.

OWNER: ROBERT HOLDING
 1205 AIRLIE ROAD
 WILMINGTON, N.C.

HANOVER DESIGN SERVICES, P.A.
 LAND SURVEYORS, ENGINEERS & LAND PLANNERS
 1123 FLORAL PARKWAY
 WILMINGTON, N.C. 28403
 PHONE: (910) 344-0002
 LICENSE # C-5997

Date: 8-2020
 Scale: HORZ.: 1"=40'
 Drawn: MJL
 Checked: GAW
 Project No: 14902
 Sheet No: 5
 Of: 5