The Solstice Lofts 4810 Randall Parkway

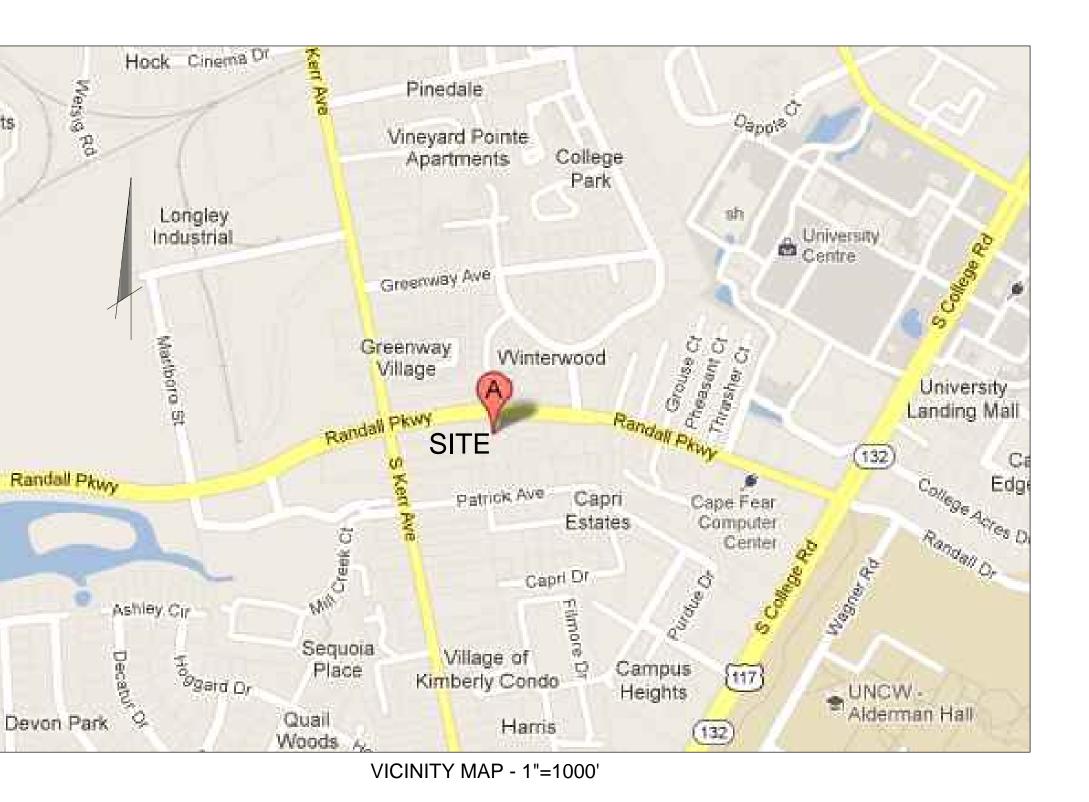
DEVELOPMENT DATA

PROJECT:The Solstice LoftsPLAN TYPE:MAJOR SITE PLANENGINEER:CHANDLER ENGINEERING, PA JIM CHANDLER, PE S09 S. FUQUAY AVENUE FUQUAY-VARINA, NC 27526 PHONE: 919-552-4845 FAX: 919-552-6862 EMAIL: jim @chandlerengineeringpa.comOWNER/DEVELOPER:THE LOFTS AT RANDALL LLC CATHERINE CONNORS - MANAGER 106 MUIR WOODS DRIVE CARY, NC 27513 PHONE: 919-380-0446 EMAIL: cathy.connors@solsticepartners.netPROPERTY ADDRESS:4629 PATRICK AVENUE 363 S. KERR AVENUE 369 S. KERR AVENUE 375 S. KERR AVENUE 369 S. KERR AVENUEPARCEL NUMBER:313711-67-6311.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 313711-67-6151.000 <		
ENGINEER:JIM CHANDLER ENGINEERING, PA JIM CHANDLER, PE 309 S. FUQUAY AVENUE FUQUAY-VARINA, NC 27526 PHONE: 919-552-4845 FAX: 919-552-6962 EMAIL: jim@chandlerengineeringpa.comOWNER/DEVELOPER:THE LOFTS AT RANDALL LLC CATHERINE CONNORS - MANAGER 106 MUIR WOODS DRIVE CARY, NC 27513 PHONE: 919-380-0446 EMAIL: cathy.connors@solsticepartners.netPROPERTY ADDRESS:4810 RANDALL PARKWAY 4629 PATRICK AVENUE 363 S. KERR AVENUE 369 S. KERR AVENUE 369 S. KERR AVENUEPARCEL NUMBER:313711-67-9382.000 313711-67-6311.000 313711-67-6311.000 313711-67-6150.000REFERENCE:DB 4073, PG 784 DB 5503, PG 1266 DB 5567, PG 479 DB 5298, PG 1819ZONING:MCLTI-FAMILY	PROJECT:	The Solstice Lofts
JIM CHANDLER, PE309 S. FUQUAY AVENUEFUQUAY-VARINA, NC 27526PHONE: 919-552-4845FAX: 919-552-6962EMAIL: jim@chandlerengineeringpa.comOWNER/DEVELOPER:THE LOFTS AT RANDALL LLC CATHERINE CONNORS - MANAGER 106 MUIR WOODS DRIVE CARY, NC 27513 PHONE: 919-380-0446PROPERTY ADDRESS:4810 RANDALL PARKWAY 4629 PATRICK AVENUE 363 S. KERR AVENUE 369 S. KERR AVENUE 369 S. KERR AVENUE 375 S. KERR AVENUE 375 S. KERR AVENUEPARCEL NUMBER:313711-67-9382.000 313711-67-6311.000 313711-67-6312.000 313711-67-6150.000REFERENCE:DB 4073, PG 784 DB 5503, PG 1266 DB 5567, PG 479 DB 5298, PG 1819ZONING:MF-L (CD)PROPOSED USE:MULTI-FAMILY	PLAN TYPE:	MAJOR SITE PLAN
CATHERINE CONNORS - MANAGER 106 MUIR WOODS DRIVE CARY, NC 27513 PHONE: 919-380-0446 EMAIL: cathy.connors@solsticepartners.netPROPERTY ADDRESS:4810 RANDALL PARKWAY 4629 PATRICK AVENUE 363 S. KERR AVENUE 369 S. KERR AVENUE 375 S. KERR AVENUEPARCEL NUMBER:313711-67-9382.000 313711-67-6311.000 313711-67-6311.000 313711-67-6150.000REFERENCE:DB 4073, PG 784 DB 5503, PG 1266 DB 5567, PG 479 DB 5298, PG 1819ZONING:MF-L (CD)PROPOSED USE:MULTI-FAMILY	ENGINEER:	JIM CHANDLER, PE 309 S. FUQUAY AVENUE FUQUAY-VARINA, NC 27526 PHONE: 919-552-4845 FAX: 919-552-6962
4629 PATRICK AVENUE 363 S. KERR AVENUE 369 S. KERR AVENUE 375 S. KERR AVENUEPARCEL NUMBER:313711-67-9382.000 313711-67-6311.000 313711-67-6311.000 313711-67-6150.000REFERENCE:DB 4073, PG 784 DB 5503, PG 1266 DB 5567, PG 479 DB 5298, PG 1819ZONING:MF-L (CD)PROPOSED USE:MULTI-FAMILY	OWNER/DEVELOPER:	CATHERINE CONNORS - MANAGER 106 MUIR WOODS DRIVE CARY, NC 27513 PHONE: 919-380-0446
313711-77-1253.000 313711-67-6311.000 313711-67-6221.000 313711-67-6150.000 REFERENCE: DB 4073, PG 784 DB 5503, PG 1266 DB 5567, PG 479 DB 5298, PG 1819 ZONING: MF-L (CD) PROPOSED USE: MULTI-FAMILY	PROPERTY ADDRESS:	4629 PATRICK AVENUE 363 S. KERR AVENUE 369 S. KERR AVENUE
DB 5503, PG 1266 DB 5567, PG 479 DB 5298, PG 1819 ZONING: MF-L (CD) MULTI-FAMILY	PARCEL NUMBER:	313711-77-1253.000 313711-67-6311.000 313711-67-6221.000
PROPOSED USE: MULTI-FAMILY	REFERENCE:	DB 5503, PG 1266 DB 5567, PG 479
	ZONING:	MF-L (CD)
EXISTING TRACT AREA: 5.57 ACRES	PROPOSED USE:	MULTI-FAMILY
	EXISTING TRACT AREA:	5.57 ACRES

/	pproved Construct	ion Plan
	Name	Date
Planning		
Fire		

	WILMINGTON NORTH CAROLINA
F	Public Services
APPR	OVED STORMWATER MANAGEMENT PLAN
Date:_	Permit #
Signed	t

City of Wilmington, New Hanover County, North Carolina Major Site Plan Submittal



SHEET INDEX

_		
	C1.01 -	SITE INVEN
	C2.01 -	SITE LAYOU
	C3.01 -	SITE GRADI
	C4.01 -	SITE SEDIM
	C5.01 -	SITE UTILITY
	C5.02 -	SANITARY S
	C6.01 -	SITE PLANT
	C6.02 -	DETAILED P
	C7.01 -	SITE DETAIL
	C7.02 -	SITE DETAIL
	C7.03 -	SITE DETAIL
	L1.0 -	LIGHTING P
	SSD-1 -	CFPUA SAN
	SSD-2 -	CFPUA SAN
	SSD-3 -	CFPUA SAN
	WSD-1 -	CFPUA WAT
	WSD-2 -	CFPUA WAT



- ITORY/TREE PRESERVATION/DEMOLITION PLAN
- UT PLAN
- ING PLAN
- IENTATION AND EROSION CONTROL PLAN
- TY PLAN
- SEWER PLAN/PROFILE
- TING PLAN
- PLANTING PLAN
- LS
- LS
- LS
- PLAN
- NTARY SEWER STANDARD DETAILS
- NITARY SEWER STANDARD DETAILS
- NITARY SEWER STANDARD DETAILS
- TER DISTRIBUTION SYSTEM STANDARD DETAILS
- TER DISTRIBUTION SYSTEM STANDARD DETAILS

CONDITIONAL DISTRICT ZONING CONDITIONS

The use and development of the subject property shall comply with all regulations and requirements imposed by the Land Development Code, the City of Wilmington Technical Standards and Specifications Manual and any other applicable federal, state or local law, ordinance or regulation, as well as any condition stated below. In the event of a conflict, the more stringent requirement or higher standard shall apply. Approval of this rezoning request does not constitute technical approval of the site plan. Final approval by the Technical Review Committee and the issuance of all required permits must occur prior to release of the project for construction. If, for any reason, any condition for approval is found to be illegal or invalid or if the applicant should fail to accept any condition following approval, the approval of the site plan for the district shall be null and void and of no effect and proceedings shall be instituted to rezone the property to its previous zoning classification. The use and development of the subject property shall be in accordance with the plan as submitted 2/21/14 and approved. The permitted use shall be restricted to a maximum 54-unit multi-family residential development. Ingress and egress to the site shall be provided by two, right-in/right-out driveways from Randall Parkway. All existing protected trees not impacted by essential site improvements shall be preserved or mitigated. Access to the site shall be restricted to Randall Parkway. . The use of the Patrick Avenue access for construction, pedestrian or any other use associated with the multi-family residential development shall be prohibited. 9. A 10-foot wide multi-use path shall be provided along Randall Parkway and South Kerr Avenue. 10. A minimum of 70 bicycle parking spaces shall be provided on the site. 11. Exterior site lighting shall be installed so as not to shine directly onto adjacent parcels and shall be limited to full cutoff type fixtures. 12. A conceptual site lighting plan shall be submitted prior to construction release. 13. Any freestanding sign(s) on the site shall be monument style with landscaping around the base of the sign; no pole signs shall be permitted and internal illumination shall be prohibited. 14. The use of pine straw as ground cover shall be prohibited within ten (10) feet of any combustible exterior construction. 5. Tree protection fencing shall be installed along all protected trees with signage of no material storage in English and Spanish. 16. All applicable city, state and federal regulations shall be followed.

arkway ofts stice dall Ο S U

North No√ Pla / Hal Site Ne igto Wilmi of City

an

R

O

 $\overline{}$

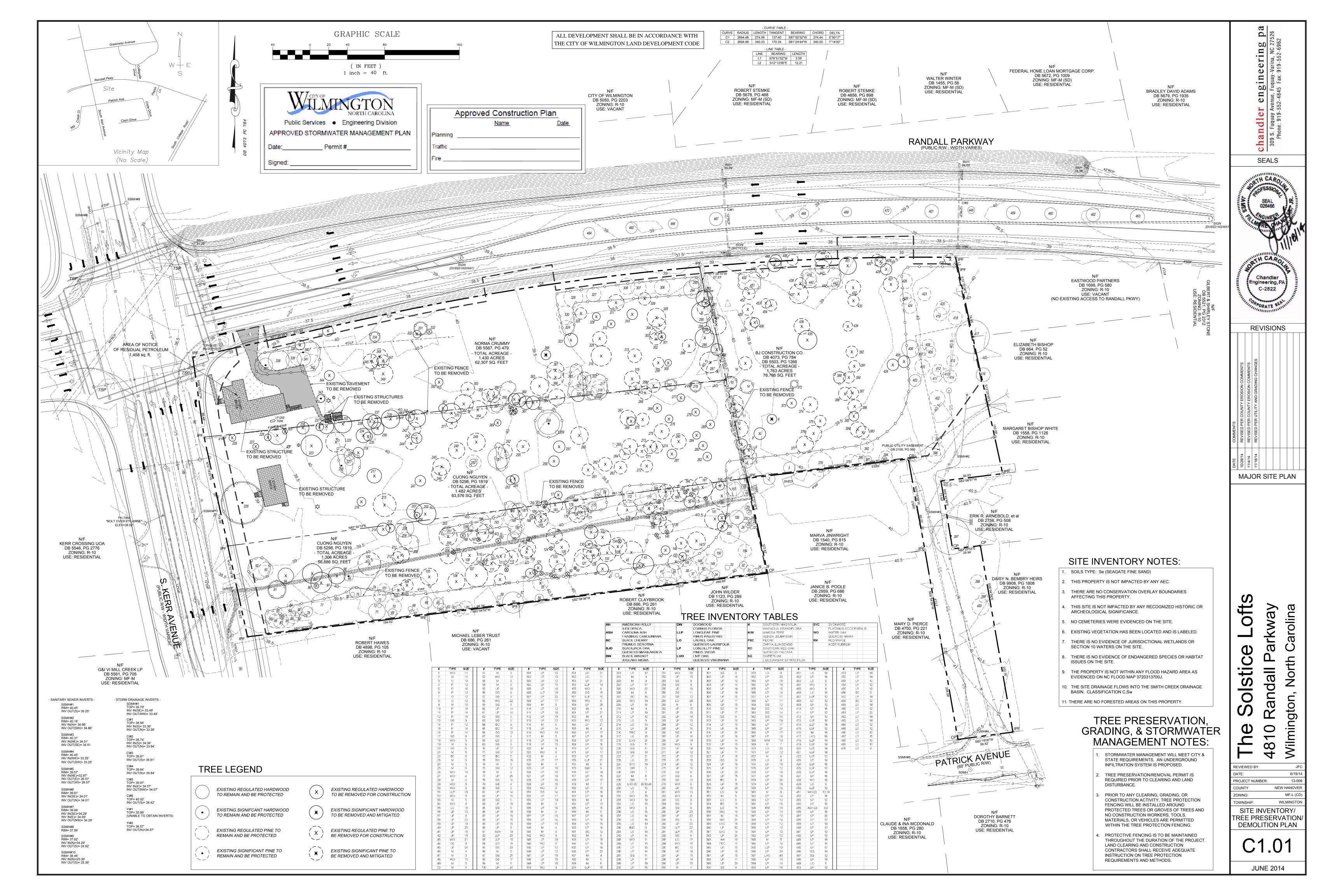
 ∞

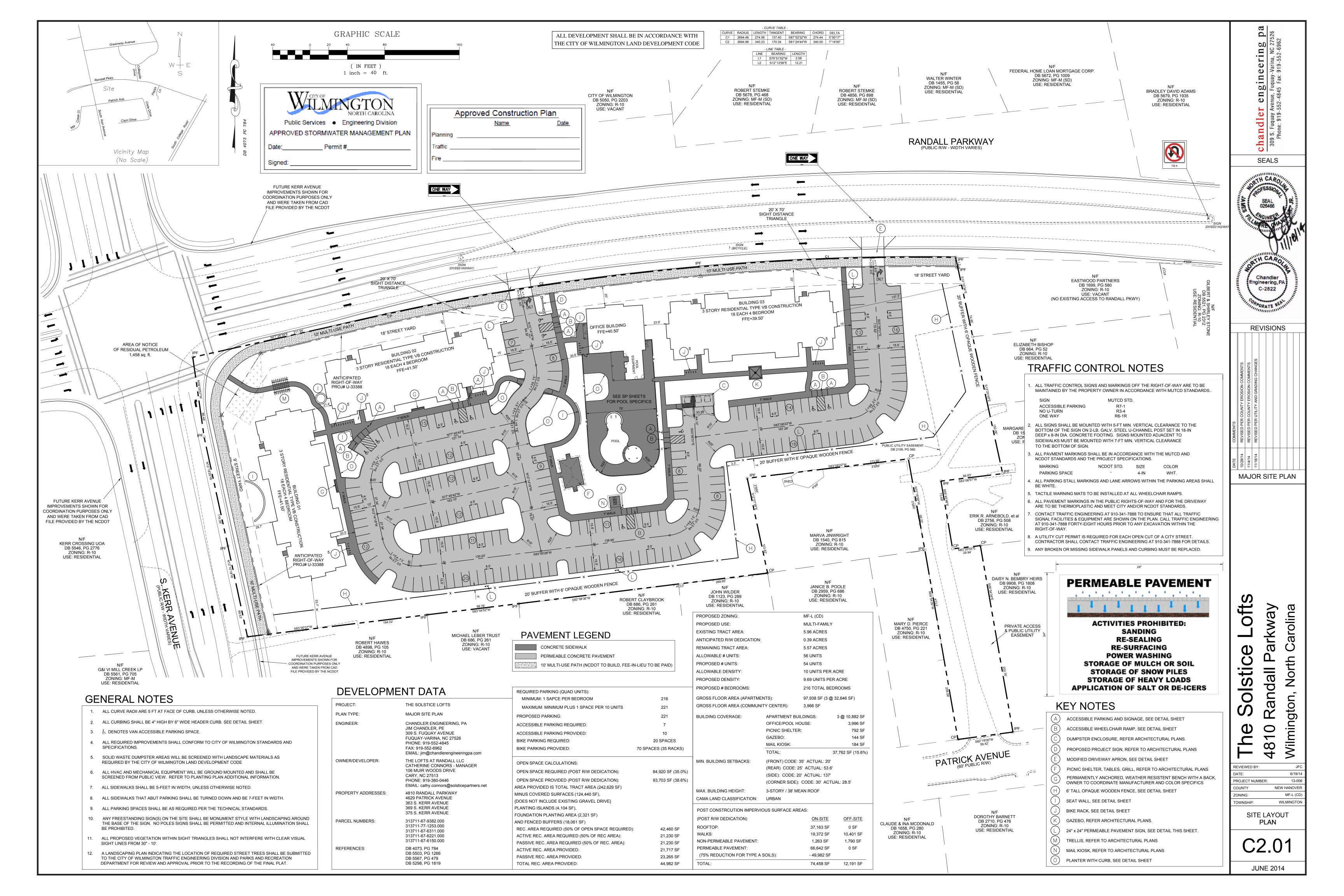
4

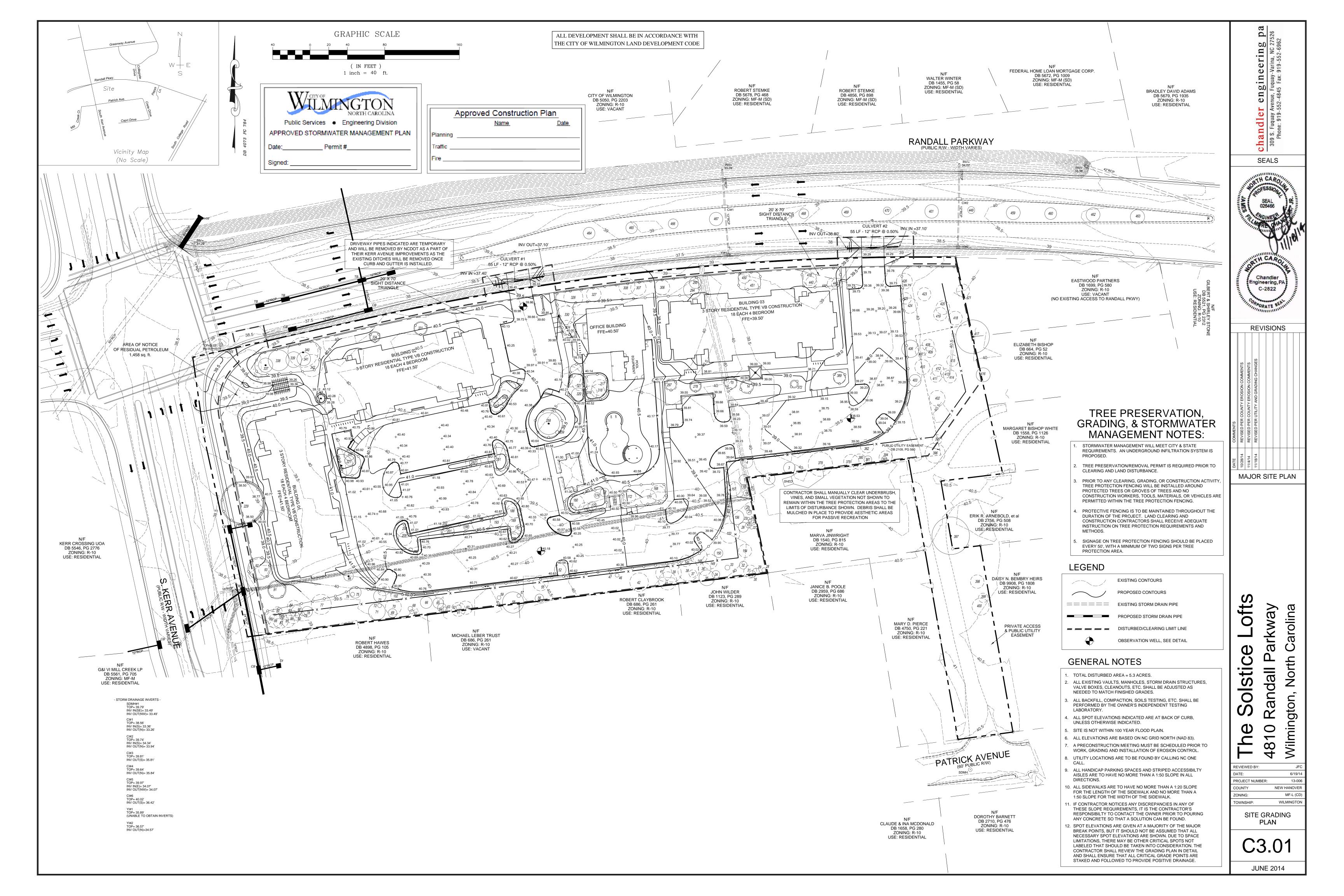
Carolina

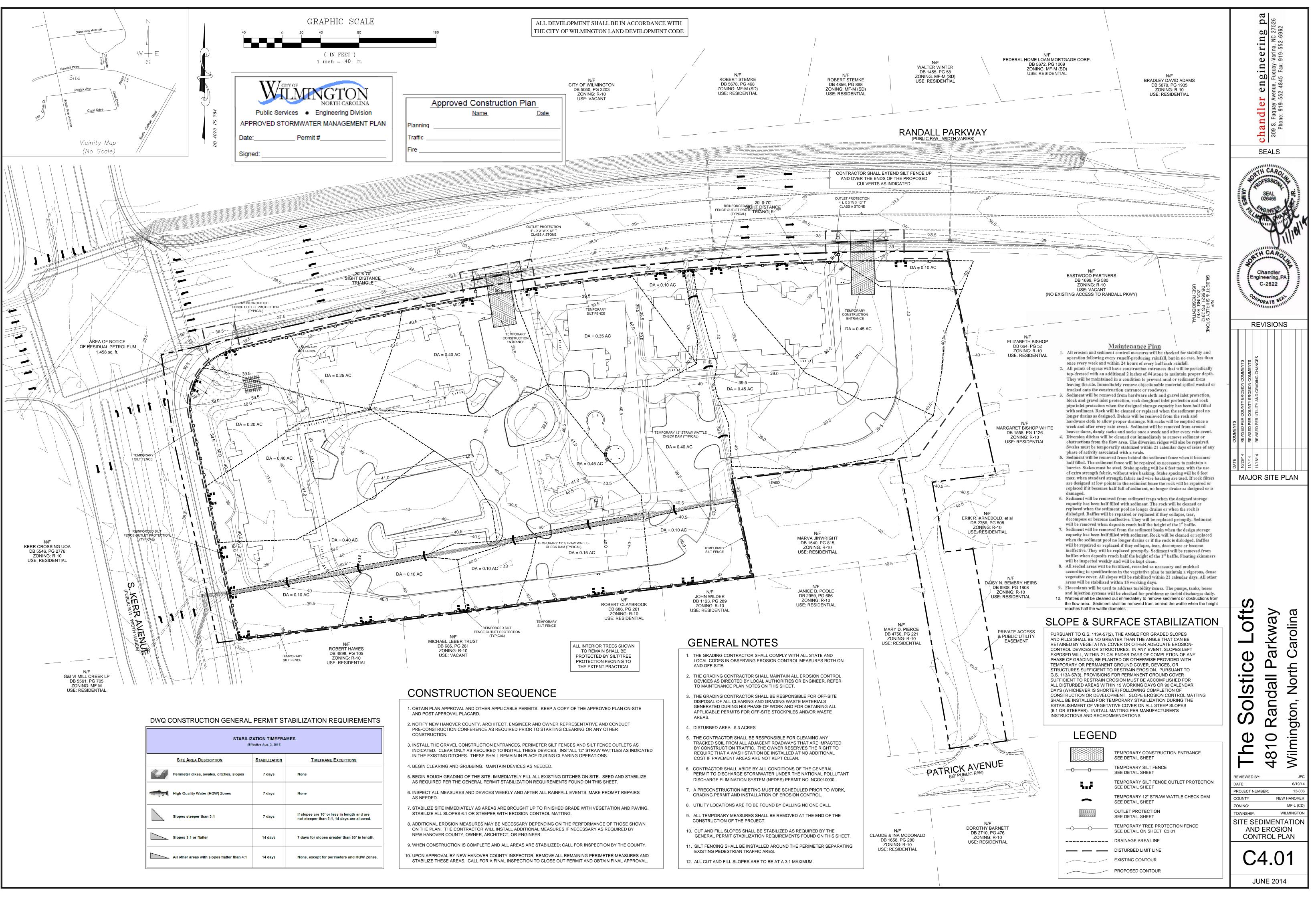
CE PROJECT NO:

13-006

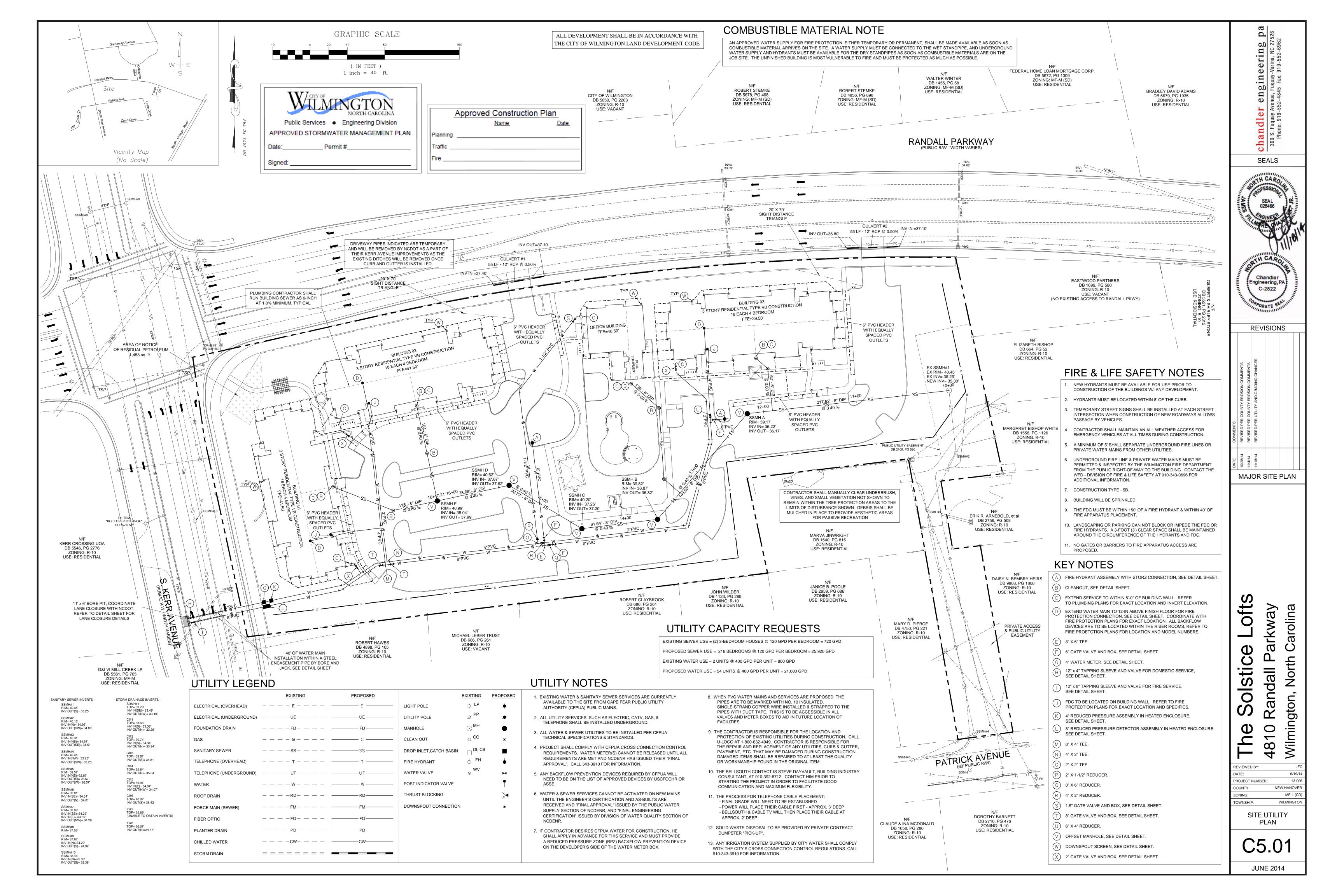


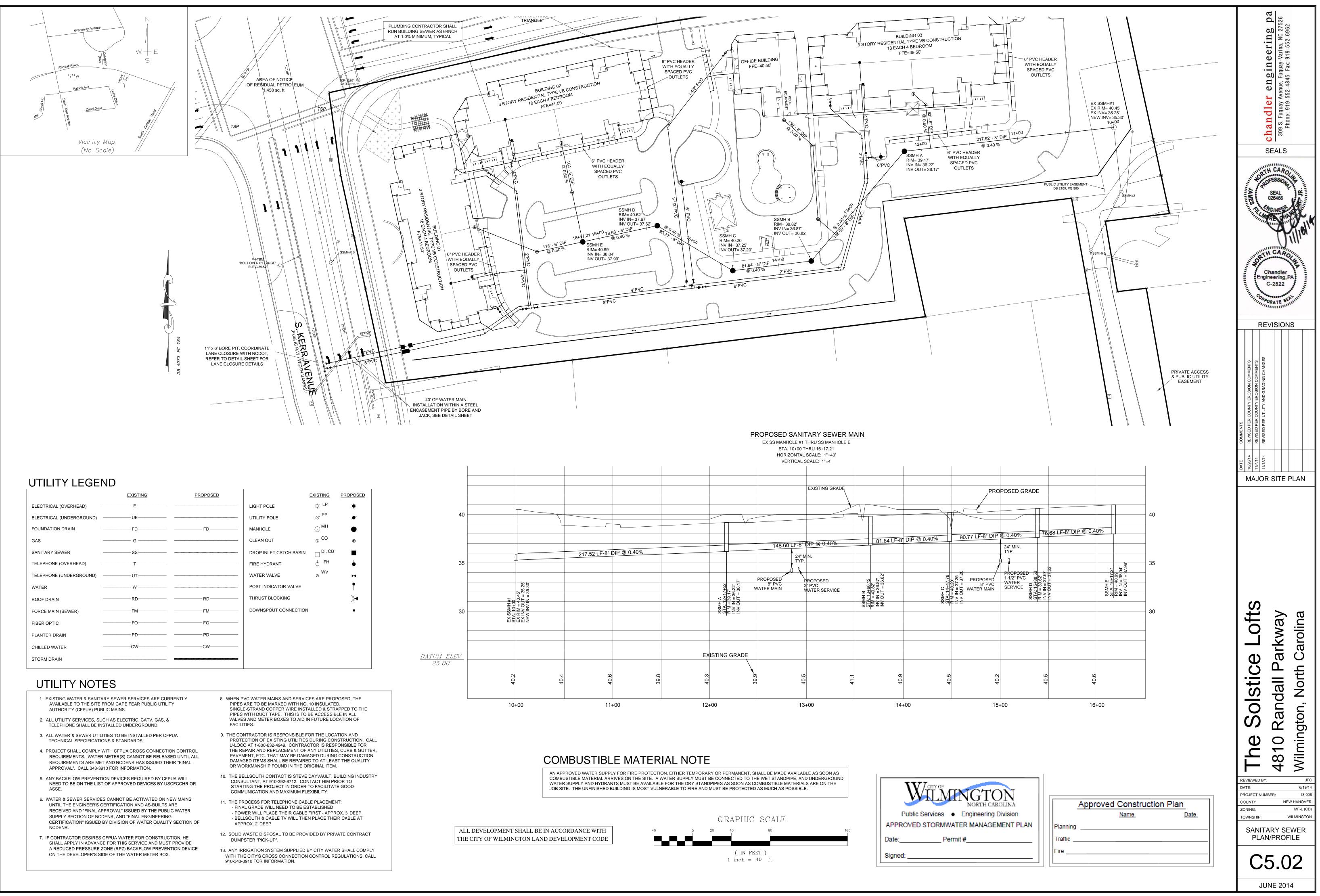




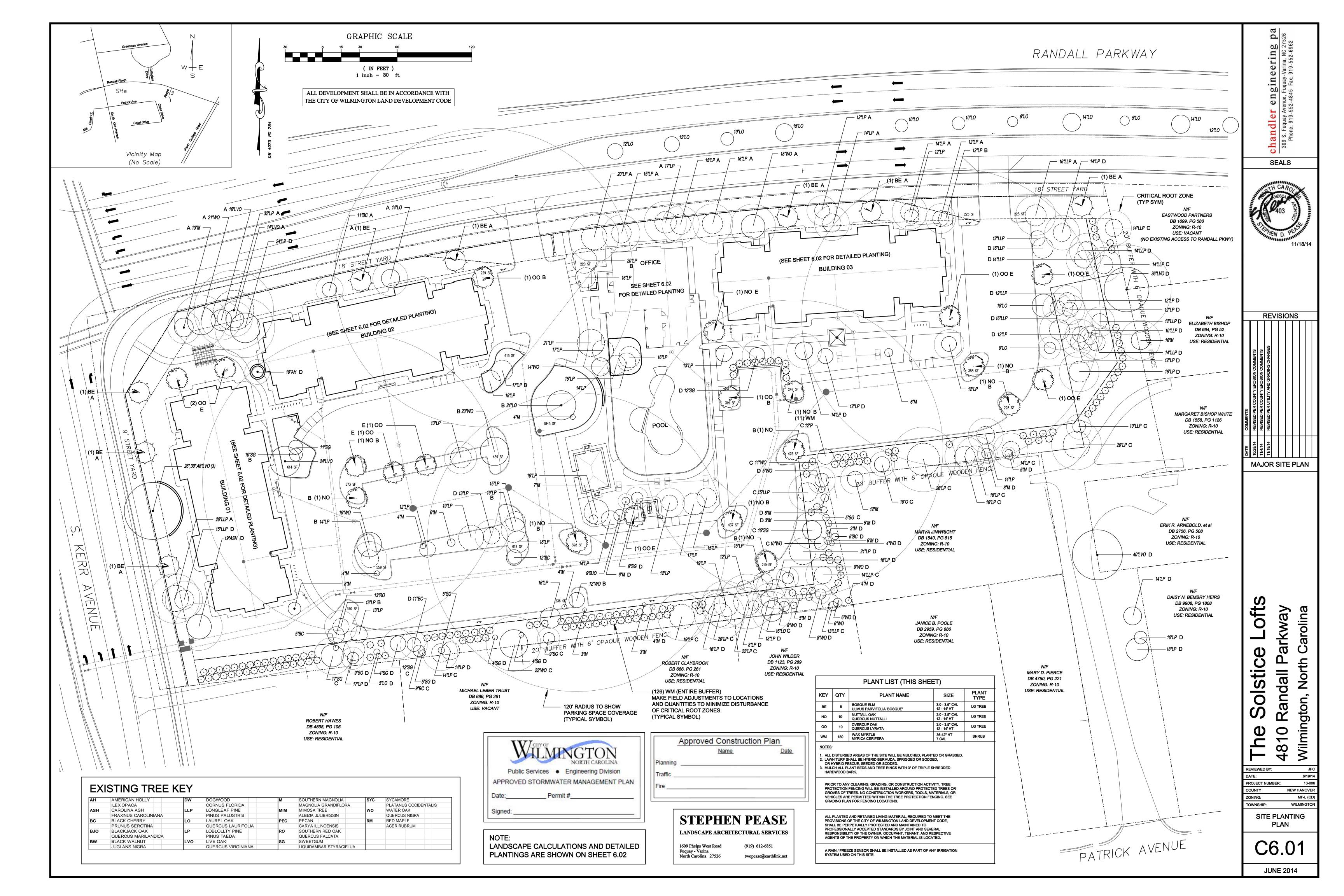


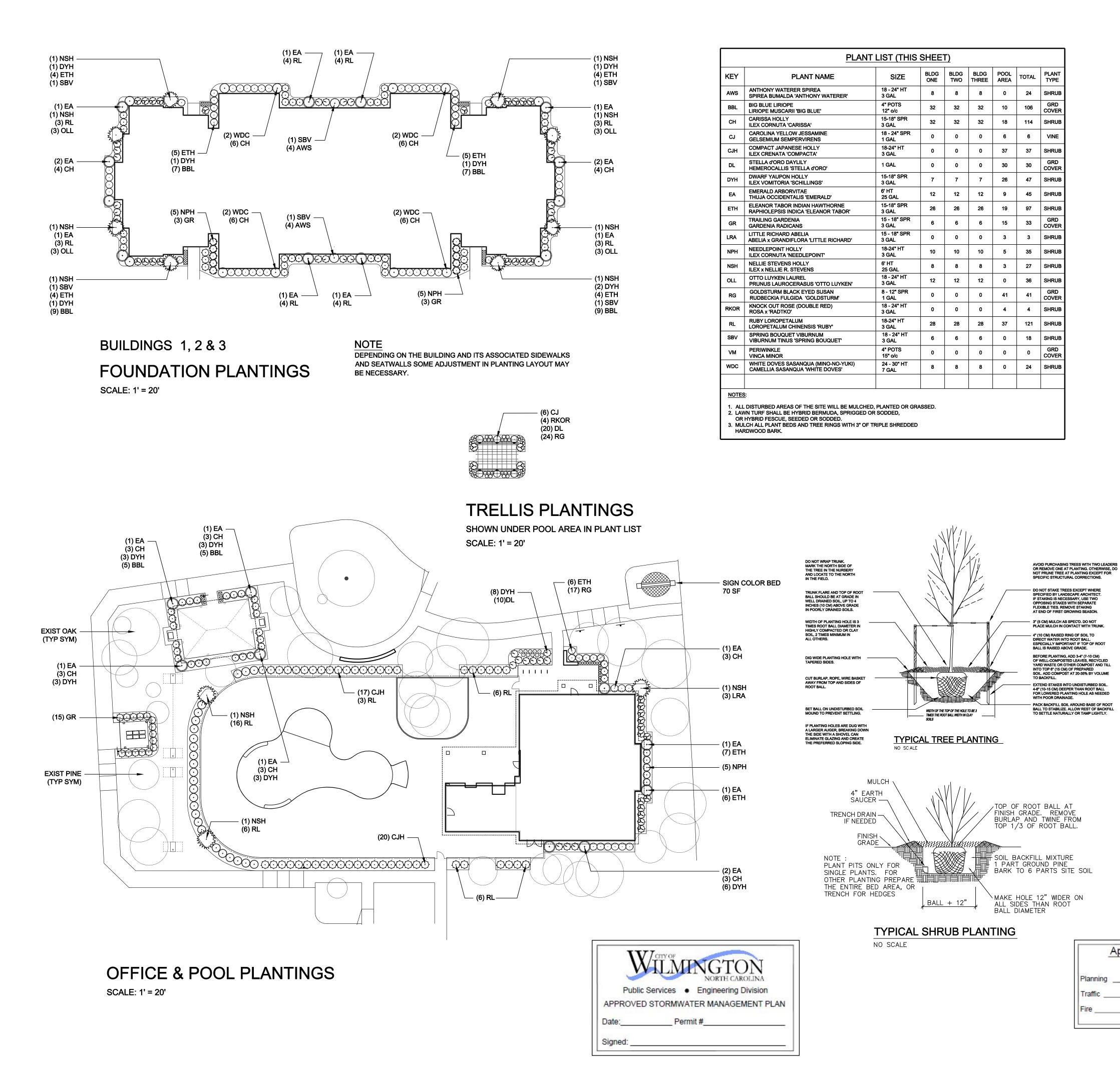
		ATION TIMEFRA	MES
	SITE AREA DESCRIPTION	STABILIZATION	TIMEFRAME EXCEPTIONS
	Perimeter dikes, swales, ditches, slopes	7 days	None
-	High Quality Water (HQW) Zones	7 days	None
	Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
	Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length.
	All other areas with slopes flatter than 4:1	14 days	None, except for perimeters and HQW Zones.





	EXISTING	PROPOSED		EXISTIN
ELECTRICAL (OVERHEAD)	E		LIGHT POLE	ţЦ
ELECTRICAL (UNDERGROUND)	UE		UTILITY POLE	arsigma PI
FOUNDATION DRAIN	FD	FD	MANHOLE	\odot^{M}
GAS	G		CLEAN OUT	⊚ C0
SANITARY SEWER	SS		DROP INLET, CATCH BASIN	
TELEPHONE (OVERHEAD)	T		FIRE HYDRANT	F
TELEPHONE (UNDERGROUND)	UT		WATER VALVE	⊗ W
WATER	W		POST INDICATOR VALVE	
ROOF DRAIN	RD	RD	THRUST BLOCKING	
FORCE MAIN (SEWER)	FM	FM	DOWNSPOUT CONNECTION	N
FIBER OPTIC	FO	FO		
PLANTER DRAIN	PD	PD		
CHILLED WATER	CW	CW		
STORM DRAIN		NARTHARTIARTIARTIARTIARTIARTIARTIARTIARTIARTI		





	PLAN	T LIST (THIS	SHEE	<u>T)</u>				
KEY	PLANT NAME	SIZE	BLDG ONE	BLDG TWO	BLDG THREE	POOL AREA	TOTAL	PLANT TYPE
AWS	ANTHONY WATERER SPIREA SPIREA BUMALDA 'ANTHONY WATERER'	18 - 24" HT 3 GAL	8	8	8	0	24	SHRUB
BBL	BIG BLUE LIRIOPE LIRIOPE MUSCARII 'BIG BLUE'	4" POTS 12" o/c	32	32	32	10	106	GRD COVER
СН	CARISSA HOLLY ILEX CORNUTA 'CARISSA'	15-18" SPR 3 GAL	32	32	32	18	114	SHRUB
CJ	CAROLINA YELLOW JESSAMINE GELSEMIUM SEMPERVIRENS	18 - 24" SPR 1 GAL	0	0	0	6	6	VINE
CJH	COMPACT JAPANESE HOLLY ILEX CRENATA 'COMPACTA'	18-24" HT 3 GAL	0	0	0	37	37	SHRUB
DL	STELLA d'ORO DAYLILY HEMEROCALLIS 'STELLA d'ORO'	1 GAL	0	0	0	30	30	GRD COVER
DYH	DWARF YAUPON HOLLY ILEX VOMITORIA 'SCHILLINGS'	15-18" SPR 3 GAL	7	7	7	26	47	SHRUB
EA	EMERALD ARBORVITAE THUJA OCCIDENTALIS 'EMERALD'	6' HT 25 GAL	12	12	12	9	45	SHRUB
ETH	ELEANOR TABOR INDIAN HAWTHORNE RAPHIOLEPSIS INDICA 'ELEANOR TABOR'	15-18" SPR 3 GAL	26	26	26	19	97	SHRUB
GR	TRAILING GARDENIA GARDENIA RADICANS	15 - 18" SPR 3 GAL	6	6	6	15	33	GRD COVER
LRA	LITTLE RICHARD ABELIA ABELIA x GRANDIFLORA 'LITTLE RICHARD'	15 - 18" SPR 3 GAL	0	0	0	3	3	SHRUB
NPH	NEEDLEPOINT HOLLY ILEX CORNUTA 'NEEDLEPOINT'	18-24" HT 3 GAL	10	10	10	5	35	SHRUB
NSH	NELLIE STEVENS HOLLY ILEX x NELLIE R. STEVENS	6' HT 25 GAL	8	8	8	3	27	SHRUB
OLL	OTTO LUYKEN LAUREL PRUNUS LAUROCERASUS 'OTTO LUYKEN'	18 - 24" HT 3 GAL	12	12	12	0	36	SHRUB
RG	GOLDSTURM BLACK EYED SUSAN RUDBECKIA FULGIDA 'GOLDSTURM'	8 - 12" SPR 1 GAL	0	0	0	41	41	GRD COVER
RKOR	KNOCK OUT ROSE (DOUBLE RED) ROSA x 'RADTKO'	18 - 24" HT 3 GAL	0	0	0	4	4	SHRUB
RL	RUBY LOROPETALUM LOROPETALUM CHINENSIS 'RUBY'	18-24" HT 3 GAL	28	28	28	37	121	SHRUB
SBV	SPRING BOUQUET VIBURNUM VIBURNUM TINUS 'SPRING BOUQUET'	18 - 24" HT 3 GAL	6	6	6	0	18	SHRUB
VM	PERIWINKLE VINCA MINOR	4" POTS 15" o/c	0	0	0	0	0	GRD COVER
WDC	WHITE DOVES SASANQUA (MINO-NO-YUKI) CAMELLIA SASANQUA 'WHITE DOVES'	24 - 30" HT 7 GAL	8	8	8	0	24	SHRUB
NOTES	>.							

LANDSCAPE CALC		r engineerin Avenue, Fuquay-Varina, NC -552-4845 Fax: 919-552-6
LENGTH: MF DISTRICT FACTOR: SQUARE FOOTAGE REQ'D: SQUARE FOOTAGE PROV'D: REQ'D CANOPY TREES: EXIST CANOPY TREES:	730 LF (EXCL. DRIVES) 18 13,140 SF	chandle 309 S. Fuquay / Phone: 919-
PROP NEW CANOPY TREES: REQ'D SHRUBS: PROP. SHRUBS :	5 (MARKED WITH AN 'A') 6 / 600 SF = 131 131+ (BLDG FRONT FOUNDATION PLANTINGS)	SEALS
LENGTH: MF DISTRICT FACTOR: SQUARE FOOTAGE REQ'D: SQUARE FOOTAGE PROV'D: REQ'D CANOPY TREES: EXIST CANOPY TREES: PROP NEW CANOPY TREES: REQ'D SHRUBS:	6 / 600 SF = 25	403 PEN D. PEN
PROP. SHRUBS: PARKING - INTERNAL AREA TOTAL AREA: SHADING AREA REQ'D (20%): REQ'D CANOPY TREES: EXIST CANOPY TREES: PROP. CANOPY TREES: TOTAL SHADED AREA PROV'D ALL PARKING SPACES WILL BE EXISTING TREE TO REMAIN.	11 (MARKED WITH A 'B')	11
PARKING - PERIMETER AREA N / A (BUFFERYARDS MORE S	TRINGENT)	
LENGTH: 182 LF FACADE HEIGHT: 28' REQ'D SF (12%): 612 SF PROV'D SF: 612 SF BLDG #2 (SOUTH SIDE): 182 LF LENGTH: 182 LF FACADE HEIGHT: 28' REQ'D SF (12%): 612 SF PROV'D SF: 612 SF PROV'D SF: 612 SF PROV'D SF: 612 SF BLDG #3 (SOUTH SIDE): 182 LF FACADE HEIGHT: 28' REQ'D SF (12%): 612 SF PROV'D SF: 612 SF PROV'D SF: 612 SF PROV'D SF: 612 SF PROV'D SF: 612 SF OFFICE (WEST SIDE): 12 LENGTH: 48 LF FACADE HEIGHT: 12' REQ'D SF (12%): 69 SF PROV'D SF: 69 SF PROV'D SF: 69 SF PROV'D SF: 69 SF BUFFERYARD 80	BLDG #2 (EAST SIDE):LENGTH: $62 LF$ FACADE HEIGHT: $28'$ REQ'D SF (12%): $208 SF$ PROV'D SF: $208 SF$ BLDG #3 (EAST SIDE):LENGTH: $62 LF$ FACADE HEIGHT: $28'$ REQ'D SF (12%): $208 SF$ PROV'D SF: $208 SF$	Date Comments 10/28/14 REVISED PER COUNTY EROSION COMMENTS 11/4/14 REVISED PER COUNTY EROSION COMMENTS 11/18/14 REVISED PER COUNTY EROSION COMMENTS 11/18/14 REVISED PER COUNTY EROSION COMMENTS ABLIS DER COUNTY EROSION COMMENTS
WIDTH:20' WITH SAREA:18,061 SFREQ'D CANOPY TREES:EXIST CANOPY TREES:PROP NEW CANOPY TREES:PROP NEW CANOPY TREES:REQ'D SHRUBS:2 EVERGRE1 ROW @ 61 ROW @ 1SHRUBS PROV'D:219 MAX. (EVERGREENOTE:EXIST VEGSUPPLEMEFROM THEACHIEVE 5for site reviebe achievedDISTURBED AREA:4.0 ACREQ'D TREES:15 / AC	EEN SHRUB ROWS ' o/c = 146 2' o/c = 73 To achieve 50% opacity - 139 shown) EN SHRUBS 3' HT MIN ETATION WILL BE ENTED AS NECESSARY QUANTITIES ABOVE TO 0% OPACITY. (Prior to planting, stake tree and shrub locations aw by Inspections Dept. to determine whether 50% opacity will by the proposed locations) +/- = 60 C CREDIT (MARKED WITH A 'D') N	The Solstice Lofts 4810 Randall Parkway

Approved Construction Plan Name Date

STEPHEN PEASE

LANDSCAPE ARCHITECTURAL SERVICES 1609 Phelps West Road Fuquay - Varina North Carolina 27526

(919) 612-6851 twopease@earthlink.net COUNTY

ZONING:

TOWNSHIP:

PROJECT NUMBER:

DETAILED PLANTING

PLAN

C6.02

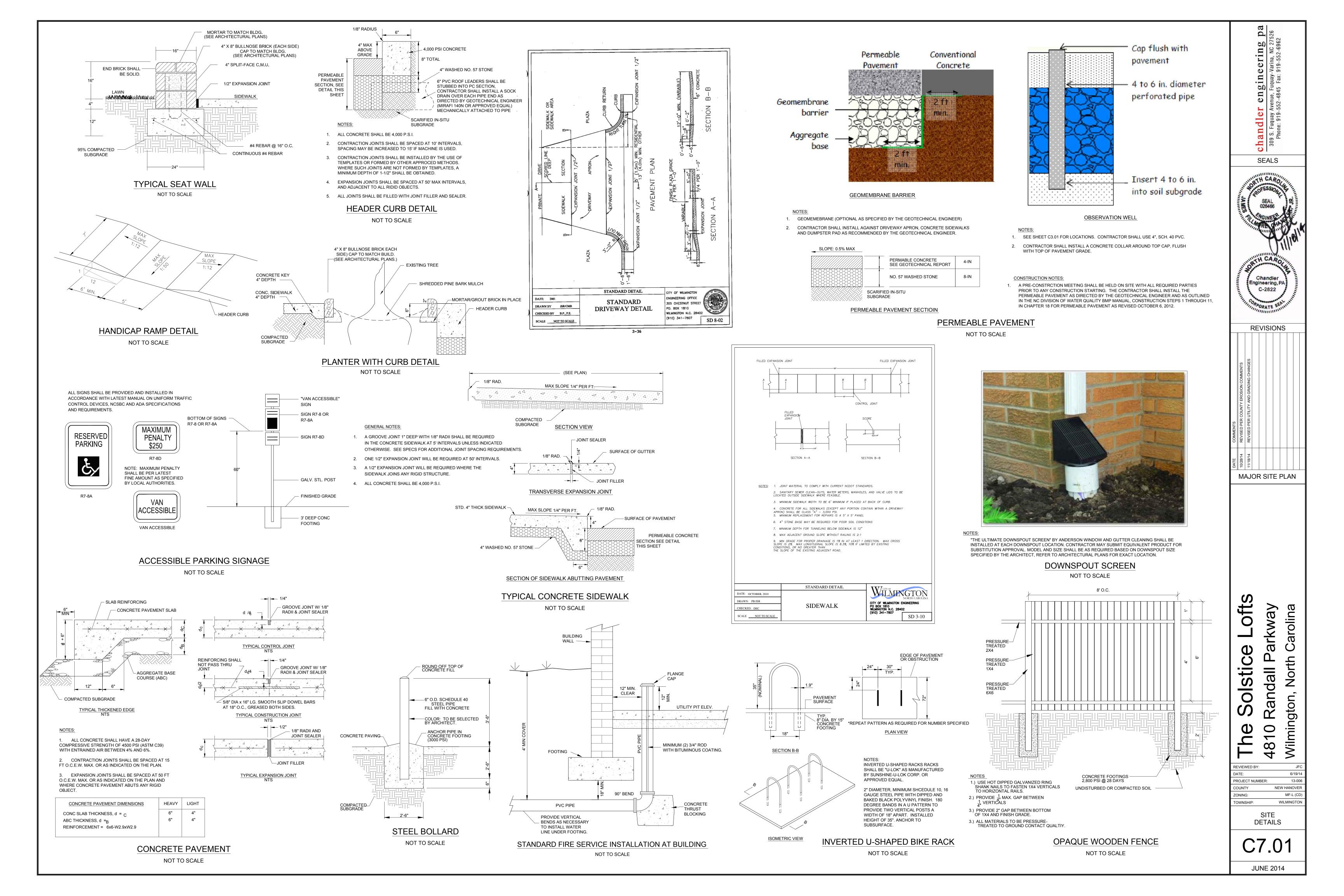
JUNE 2014

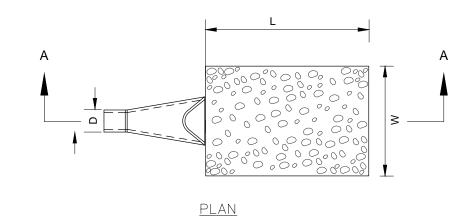
13-006

NEW HANOVER

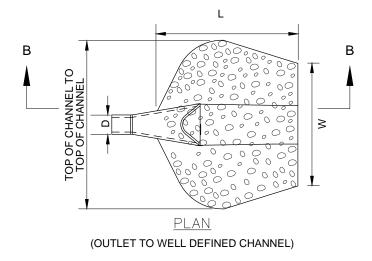
MF-L (CD)

WILMINGTON





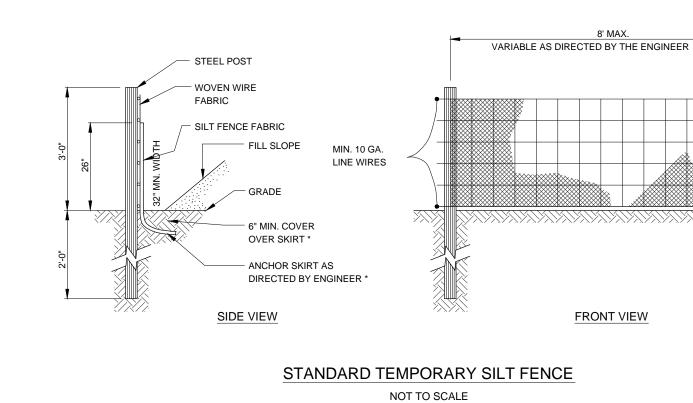
NOTES:

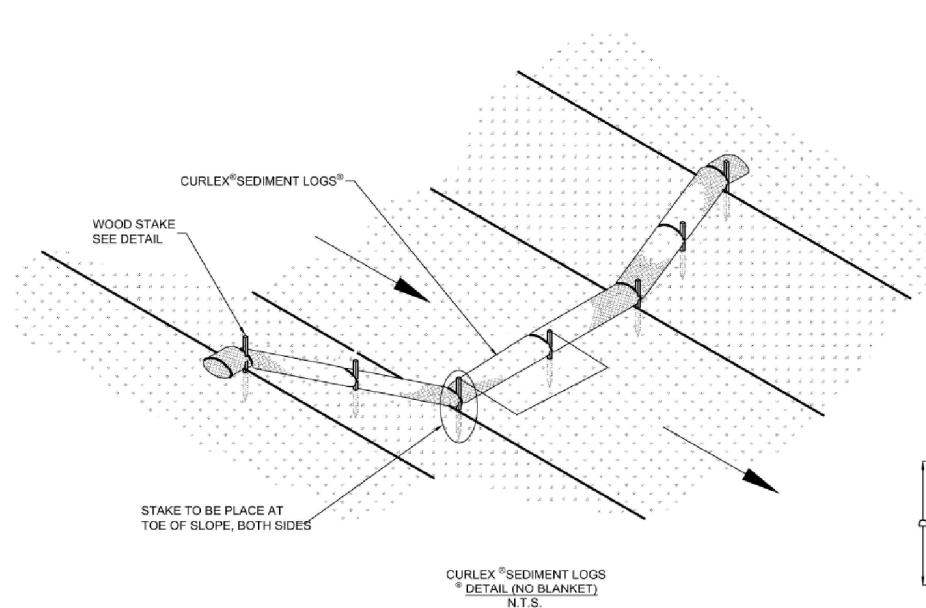


(OUTLET TO FLAT AREA WITH NO WELL DEFINED CHANNEL)

- 1. TOP OF RIP RAP AT DOWNSTREAM END OF APRON SHALL BE FLUSH WITH NATURAL GRADE OF THE RECEIVING CHANNEL.
- 2. VEGETATE ALL DISTURBED AREAS WITH VEGETATION IMMEDIATELY AFTER INSTALLATION.
- 3. SEE EROSION CONTROL PLAN FOR DIMENSIONS.
- 4. SEE SECTION 6.41 OF "NCDENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL" FOR ADDITIONAL INFORMATION
- REGARDING MATERIALS, CONSTRUCTION AND SPECIFICATIONS.

OUTLET PROTECTION NOT TO SCALE





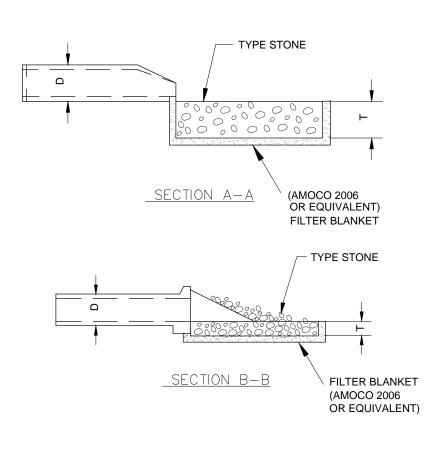
NOTE: TRENCH OPTION IS MOST APPLICABLE IN LOOSE, UNCONSOLIDATED SOILS.

 $1\frac{1}{8}$ " X $1\frac{1}{8}$ " X 30" WOODEN STAKES ARE RECOMMENDED FOR 6", 9", AND 12" SEDIMENT LOGS .

1 g X 1 g X 48" WOODEN STAKES ARE RECOMMENDED FOR 20" SEDIMENT LOGS .

STRAW WATTLE CHECK DAM DETAIL

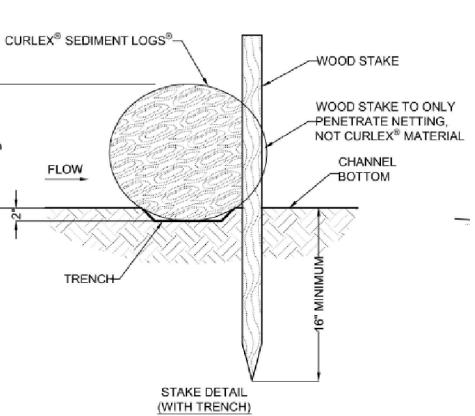
NOT TO SCALE



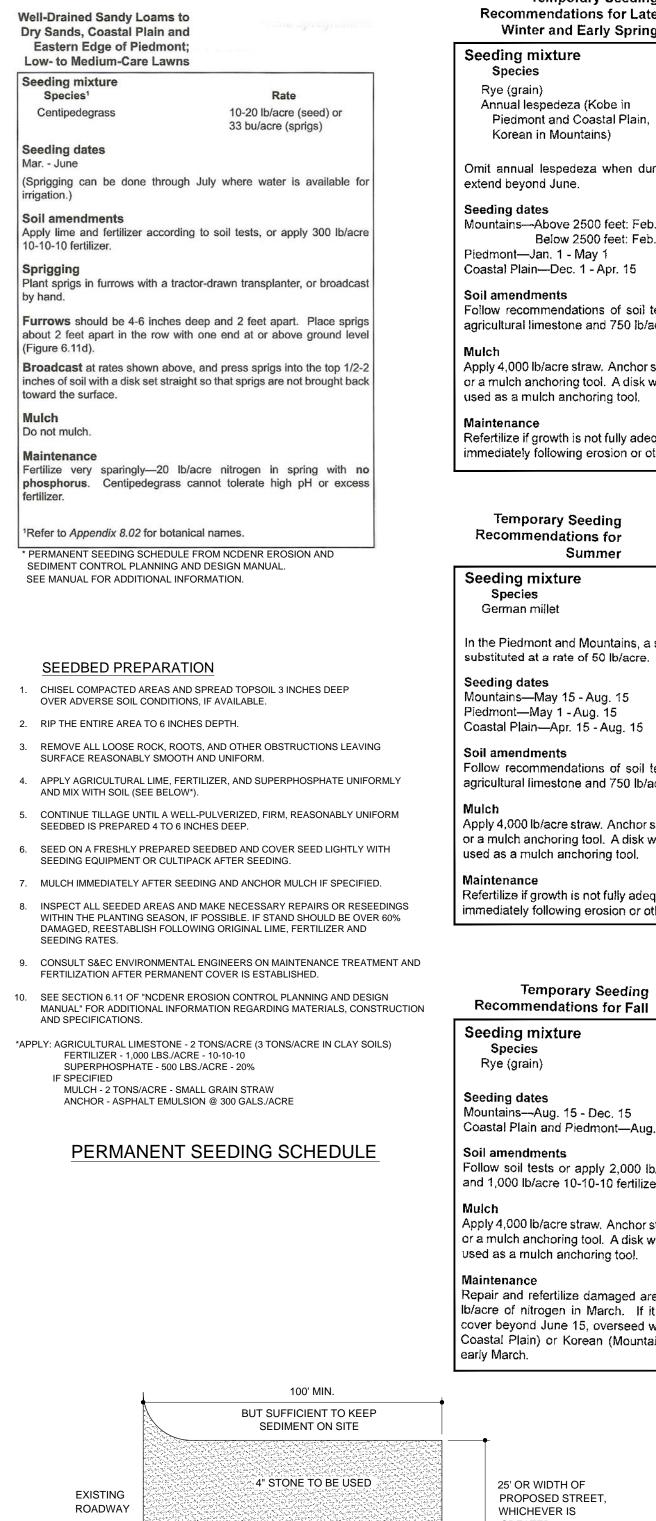
MIN. 12-1/2 GA

WIRES

INTERMEDIATE



N.T.S.



25' OR WIDTH OF PROPOSED STREET, WHICHEVER IS GREATER. PLAN NEW CONSTRUCTION 70' MIN. 30' MIN. EXISTING ROADWAY 6" MIN FABRIC UNDER STONE CROSS SECTION

- NOTES 1. ENTRANCE(S) SHALL BE LOCATED TO PROVIDE MAXIMUM UTILITY BY ALL CONSTRUCTION VEHICLES.
- 2. TURNING RADIUS SUFFICIENT TO ACCOMMODATE LARGE TRUCKS IS TO BE PROVIDED.
- 3. MUST BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR DIRECT FLOW OF MUD ONTO STREETS. PERIODIC TOPDRESSING WITH STONE WILL BE NECESSARY. CONTRACTOR SHALL MAINTAIN AS NECESSARY.
- 4. ANY MATERIAL WHICH STILL MAKES IT ONTO THE ROAD MUST BE CLEANED UP IMMEDIATELY.
- 5. FREQUENT CHECKS OF THE ENTRANCE(S) AND TIMELY MAINTENANCE SHALL BE PROVIDED.
- 6. NOTES ARE APPLICABLE AT ALL POINTS OF INGRESS AND EGRESS UNTIL SITE IS STABILIZED.
- 7. SEE SECTION 6.06 OF "NCDENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL" FOR ADDITIONAL INFORMATION REGARDING MATERIALS, CONSTRUCTION AND SPECIFICATIONS.

TEMPORARY CONSTRUCTION ENTRANCE NOT TO SCALE

Temporary Seeding Recommendations for Late Winter and Early Spring

	-1	
		;
Rate (Ib/		
Rate (Ib/		

	120
a (Kobe in	
Coastal Plain,	
intains)	50

Omit annual lespedeza when duration of temporary cover is not to

Mountains-Above 2500 feet: Feb. 15 - May 15 Below 2500 feet: Feb. 1- May 1

Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be

Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other damage.

Summer

Rate (Ib/acre)

In the Piedmont and Mountains, a small-stemmed Sudangrass may be

Follow recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer.

Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be

Refertilize if growth is not fully adequate. Reseed, refertilize and mulch mmediately following erosion or other damage.

Temporary Seeding

Rate (Ib/acre)

Mountains—Aug. 15 - Dec. 15 Coastal Plain and Piedmont—Aug. 15 - Dec. 30

Follow soil tests or apply 2,000 lb/acre ground agricultural limestone and 1,000 lb/acre 10-10-10 fertilizer.

Apply 4,000 lb/acre straw. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool. A disk with blades set nearly straight can be

Repair and refertilize damaged areas immediately. Topdress with 50 Ib/acre of nitrogen in March. If it is necessary to extent temporary cover beyond June 15, overseed with 50 lb/acre Kobe (Piedmont and Coastal Plain) or Korean (Mountains) lespedeza in late February or

Specifications

Complete grading before preparing seedbeds, and install all necessary erosion control practices such as, dikes, waterways, and basins. Minimize steep slopes because they make seedbed preparation difficult and increase the erosion hazard. If soils become compacted during grading, loosen them to a depth of 6-8 inches using a ripper, harrow, or chisel plow.

SEEDBED PREPARATION

Good seedbed preparation is essential to successful plant establishment. A good seedbed is well-pulverized, loose, and uniform. Where hydroseeding methods are used, the surface may be left with a more irregular surface of large clods and stones.

Liming—Apply lime according to soil test recommendations. If the pH (acidity) of the soil is not known, an application of ground agricultural limestone at the rate of 1 to 1 1/2 tons/acre on coarse-textured soils and 2-3 tons/acre on finetextured soils is usually sufficient. Apply limestone uniformly and incorporate into the top 4-6 inches of soil. Soils with a pH of 6 or higher need not be

Fertilizer—Base application rates on soil tests. When these are not possible, apply a 10-10-10 grade fertilizer at 700-1,000 lb/acre. Both fertilizer and lime should be incorporated into the top 4-6 inches of soil. If a hydraulic seeder is used, do not mix seed and fertilizer more than 30 minutes before application.

Surface roughening-If recent tillage operations have resulted in a loose surface, additional roughening may not be required, except to break up large clods. If rainfall causes the surface to become sealed or crusted, loosen it just prior to seeding by disking, raking, harrowing, or other suitable methods. Groove or furrow slopes steeper than 3:1 on the contour before seeding (Practice 6.03, Surface Roughening).

PLANT SELECTION

Select an appropriate species or species mixture from Table 6.10a for seeding in late winter and early spring, Table 6.10b for summer, and Table 6.10c for

In the Mountains, December and January seedings have poor chances of success. When it is necessary to plant at these times, use recommendations for fall and a securely tacked mulch.

SEEDING

Evenly apply seed using a cyclone seeder (broadcast), drill, cultipacker seeder, or hydroseeder. Use seeding rates given in Tables 6.10a-6.10c. Broadcast seeding and hydroseeding are appropriate for steep slopes where equipment cannot be driven. Hand broadcasting is not recommended because of the difficulty in achieving a uniform distribution.

Small grains should be planted no more than 1 inch deep, and grasses and legumes no more than 1/2 inch. Broadcast seed must be covered by raking or chain dragging, and then lightly firmed with a roller or cultipacker. Hydroseeded mixtures should include a wood fiber (cellulose) mulch.

MULCHING

The use of an appropriate mulch will help ensure establishment under normal conditions, and is essential to seeding success under harsh site conditions (Practice 6.14, *Mulching*). Harsh site conditions include: • seeding in fall for winter cover (wood fiber mulches are not considered

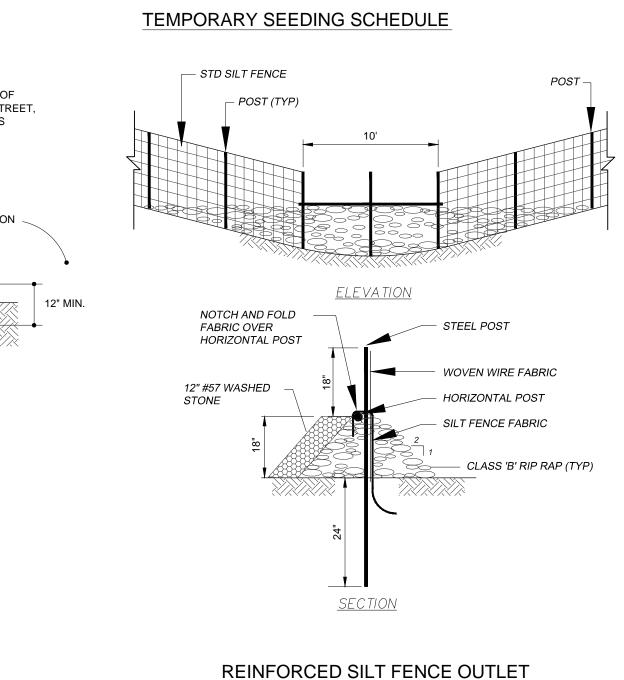
- adequate for this use),
- slopes steeper than 3:1,
- excessively hot or dry weather,
- adverse soils (shallow, rocky, or high in clay or sand), and areas receiving concentrated flow.

If the area to be mulched is subject to concentrated waterflow, as in channels, anchor mulch with netting (Practice 6.14, Mulching).

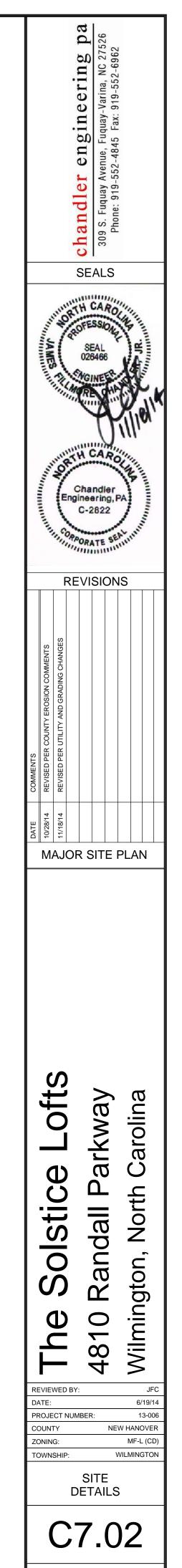
Maintenance

Reseed and mulch areas where seedling emergence is poor, or where erosion occurs, as soon as possible. Do not mow, Protect from traffic as much as possible.

TEMPORARY SEEDING SCHEDULE FROM NCDENR EROSION AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL. SEE MANUAL FOR ADDITIONAL INFORMATION.



NOT TO SCALE



JUNE 2014

EN Te 2-lane, 2	STATE OF (1-12 NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.	SHEET 2 OF 4 1101.11	ENGLISH STANDARD DRAWING FOR TRAFFIC CONTROL DESIGN TABLES BUFFER SPACE & SIGHT DISTANCE	 STATE OF (1-12 NORTH CAROLINA DEPT. OF TRANSPORTATION DIVISION OF HIGHWAYS RALEIGH, N.C.
◆ → ← 				

18

- 0

SHEET 2 OF 15

1101.02

