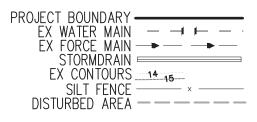
## CITY OF WILMINGTON STANDARD NOTES

- 1. PRIOR TO ANY CLEARING, GRADING OR CONSTRUCTION ACTIVITY, TREE PROTECTION FENCING SHALL BE INSTALLED AROUND PROTECTED TREES OR GROVES OF TREES. NO CONSTRUCTION WORKERS, TOOLS, MATERIALS, OR VEHICLES ARE PERMITTED WITHIN THE TREE PROTECTION FENCING.
- ANY TREES AND/OR AREAS DESIGNATED TO BE PROTECTED MUST BE PROPERLY BARRICADED WITH FENCING AND PROTECTED THROUGHOUT CONSTRUCTION TO ENSURE THAT NO CLEARING, GRADING OR STAGING OF MATERIALS WILL OCCUR IN THOSE AREAS.
- 3. NO EQUIPMENT IS ALLOWED ON SITE UNTIL ALL TREE PROTECTION FENCING AND SILT FENCING IS INSTALLED AND APPROVED. PROTECTIVE FENCING IS TO BE MAINTAINED THROUGHOUT THE DURATION OF THE PROJECT, AND CONTRACTORS SHALL RECEIVE ADEQUATE INSTRUCTION ON TREE PROTECTION METHODS.
- 4. ALL PAVEMENT MARKINGS IN PUBLIC RIGHTS-OF-WAY AND FOR DRIVEWAYS ARE TO BE THERMOPLASTIC AND MEET CITY AND/OR NCDOT STANDARDS.
- 5. ONCE STREETS ARE OPEN TO TRAFFIC, CONTACT TRAFFIC ENGINEERING REGARDING THE INSTALLATION OF TRAFFIC AND STREET NAME SIGNS. PROPOSED STREET NAMES MUST BE APPROVED PRIOR TO INSTALLATION OF STREET NAME SIGNS.
- 6. TRAFFIC CONTROL DEVICES (INCLUDING SIGNS AND PAVEMENT MARKINGS) IN AREAS OPEN TO PUBLIC TRAFFIC ARE TO MEET MUTCD (MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES) STANDARDS.
- 7. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO ENSURE THAT ALL TRAFFIC SIGNAL FACILITIES AND EQUIPMENT ARE SHOWN ON THE PLAN.
- 8. CALL TRAFFIC ENGINEERING AT 910-341-7888 FORTY-EIGHT (48) HOURS PRIOR TO ANY EXCAVATION IN THE RIGHT-OF-WAY.
- 9. TRAFFIC ENGINEERING MUST APPROVE OF PAVEMENT MARKING PRIOR TO ACTUAL STRIPING.
- 10. ALL PARKING STALL MARKINGS AND LANE ARROWS WITHIN THE PARKING AREAS SHALL BE WHITE.
- 11. ALL TRAFFIC CONTROL SIGNS AND MARKINGS OFF THE RIGHT-OF-WAY ARE TO BE MAINTAINED BY THE PROPERTY OWNER.
- 12. STOP SIGNS AND STREET SIGNS TO REMAIN IN PLACE DURING CONSTRUCTION.
- 13. TACTILE WARNING MATS WILL BE INSTALLED ON ALL WHEELCHAIR RAMPS.
- 14. A UTILITY CUT PERMIT IS REQUIRED FOR EACH OPEN CUT OF A CITY STREET.
- 15. ANY BROKEN OR MISSING SIDEWALK PANELS, DRIVEWAY PANELS, OR CURBING WILL BE REPLACED.
- 16. CONTACT TRAFFIC ENGINEERING AT 910-341-7888 TO DISCUSS STREET LIGHTING OPTIONS.
- 17. WATER AND SEWER SERVICE SHALL MEET CAPE FEAR PUBLIC UTILITY AUTHORITY (CFPUA) DETAILS AND SPECIFICATIONS.
- 18, PROJECT SHALL COMPLY WITH CFPUA CROSS CONNECTION CONTROL REQUIREMENTS. WATER METER(S) CANNOT BE RELEASED UNTIL ALL REQUIREMENTS ARE MET AND THE STATE HAS GIVEN THEIR FINAL APPROVAL. CALL 910-343-3910 FOR INFORMATION.
- 19. IF THE CONTRACTOR DESIRES CFPUA WATER FOR CONSTRUCTION. HE SHALL APPLY IN ADVANCE FOR THIS SERVICE AND MUST PROVIDE A REDUCED PRESSURE ZONE (RPZ) BACKFLOW PREVENTION DEVICE ON THE DEVELOPER'S SIDE OF THE WATER METER BOX.
- 20. ANY IRRIGATION SYSTEM SUPPLIED BY CFPUA WATER SHALL COMPLY WITH THE CFPUA CROSS CONNECTION CONTROL REGULATIONS. CALL 919-343-3910 FOR INFORMATION.
- 21. ANY IRRIGATION SYSTEM SHALL BE EQUIPPED WITH A RAIN AND FREEZE SENSOR.
- 22. ANY BACKFLOW PREVENTION DEVICES REQUIRED BY THE CFPUA WILL NEED TO BE ON THE LIST OF APPROVED DEVICES BY USCFCCCHR OR ASSE.
- 23. CONTRACTOR TO FIELD VERIFY EXISTING WATER AND SEWER SERVICE LOCATIONS, SIZES AND MATERIALS PRIOR TO CONSTRUCTION. ENGINEER TO BE NOTIFIED OF ANY CONFLICTS.
- 24. NO OBSTRUCTIONS ARE PERMITTED IN THE SPACE BETWEEN THIRTY (30) INCHES AND TEN (10) FEET ABOVE THE GROUND WITHIN THE SIGHT DISTANCE TRIANGLE.
- 25. CONTACT THE NORTH CAROLINA ONE CALL CENTER AT 1-800-632-4949 PRIOR TO DOING ANY DIGGING, CLEARING, OR GRADING
- 26. CONTACT 811 PRIOR TO CONTACTING CITY OF WILMINGTON, TRAFFIC ENGINEERING REGARDING THE UTILITIES IN ROW.

## FIRE & LIFE SAFETY NOTES

- 1. THE TYPE OF BUILDING CONSTRUCTION ACCORDING TO THE INTERNATIONAL BUILDING CODE SHALL BE TYPE 5B SPRINKLED.
- 2. NEW HYDRANTS MUST BE BROUGHT INTO SERVICE PRIOR TO COMBUSTIBLE MATERIALS DELIVERED TO THE JOB SITE.
- 3. HYDRANT MUST BE WITHIN 150' OF THE FDC (MEASURED AS THE TRUCK DRIVES FOR PRACTICAL USE).
- 4. LANDSCAPING OR PARKING CANNOT BLOCK OR IMPEDE THE FIRE HYDRANTS. A 3-FOOT CLEAR SPACE SHALL BE MAINTAINED AROUND THE CIRCUMFERENCE OF THE HYDRANT.
- 5. FDC MUST BE WITHIN 40' OF FIRE APPARATUS PLACEMENT.
- 6. PRIVATE UNDERGROUND FIRE LINES REQUIRE A SEPARATE UNDERGROUND FIRE LINE PERMIT FROM THE WILMINGTON FIRE AND LIFE SAFETY DIVISION (910-343-0696).
- 7. ALL ISOLATION VALVES WITHIN THE "HOT BOX" AND BETWEEN THE "HOT BOX" AND THE RISER ROOM MUST BE ELECTRONICALLY SUPERVISED.
- 8. CONTRACTOR SHALL SUBMIT A RADIO SIGNAL STRENGTH STUDY FOR ALL MULTI-STORY COMMERCIAL BUILDINGS AND ALL SINGLE STORY COMMERCIAL BUILDINGS EXCEEDING 7500 SF. THE STUDY SHALL DEMONSTRATE THAT EXISTING EMERGENCY RESPONDER RADIO SIGNAL LEVELS MEET THE REQUIREMENTS OF SECTION 510 OF THE 2018 NC FIRE CODE.
- 9. ADDITIONAL FIRE PROTECTION AND ACCESSIBILITY REQUIREMENTS MAY BE REQUIRED DUE TO ANY SPECIAL CIRCUMSTANCES CONCERNING THE PROJECT.
- 10. CONTRACTOR SHALL MAINTAIN ALL-WEATHER ACCESS FOR EMERGENCY VEHICLES AT ALL TIMES DURING CONSTRUCTION.

# \_EGEND



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

OPEN SPACE CALCULATIONS (35% OF PROJECT MIN) 149,986 SF X 35% = 52,495 SF (62,028 SF PROVIDED) OPEN SPACE IS TOTAL PROJECT AREA (149,986 SF) LESS: BUA (80,683 SF), LANDSCAPE ISLANDS (5,763 SF), AND FOUNDATION PLANTINGS (1,512 SF) = 62,028 SF

RECREATION SPACE (50% OF REQUIRED OPEN SPACE MIN) 52,495 SF X 50% = 26,248 SF (31,919 SF PROVIDED)

ACTIVE REC SPACE (50% OF RECREATION SPACE MIN) 26,248 SF X 50% = 13,124 SF (14,516 SF PROVIDED)

PASSIVE REC SPACE (50% OF RECREATION SPACE MIN) 26,248 SF X 50% = 13,124 SF (17,403 SF PROVIDED)

60,TH

PUB

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n/f

Martha L. Dillon

D.B. 5978-525

Zoning: R–10 Land Use: Residential

n/f

Bobby Lester

D.B. 5298-922

Zoning: R–10

Land Use: Residential

n/f

Ada Louise Hinson Lester D.B. 2006-263

Zoning: R-10 Land Use: Residential

Mildred Patricia Craig Heirs

D.B. 1876-529

nina R-1

Land Use: Residential

Joseph Freeman, Jr. Rev. Trust

D.B. 5612-1238

Zoning: R–10 Land Use: Residential

SHĂĽL ' 12. THE

HOGGARD DRIVE PUBLIC R/W

n/f

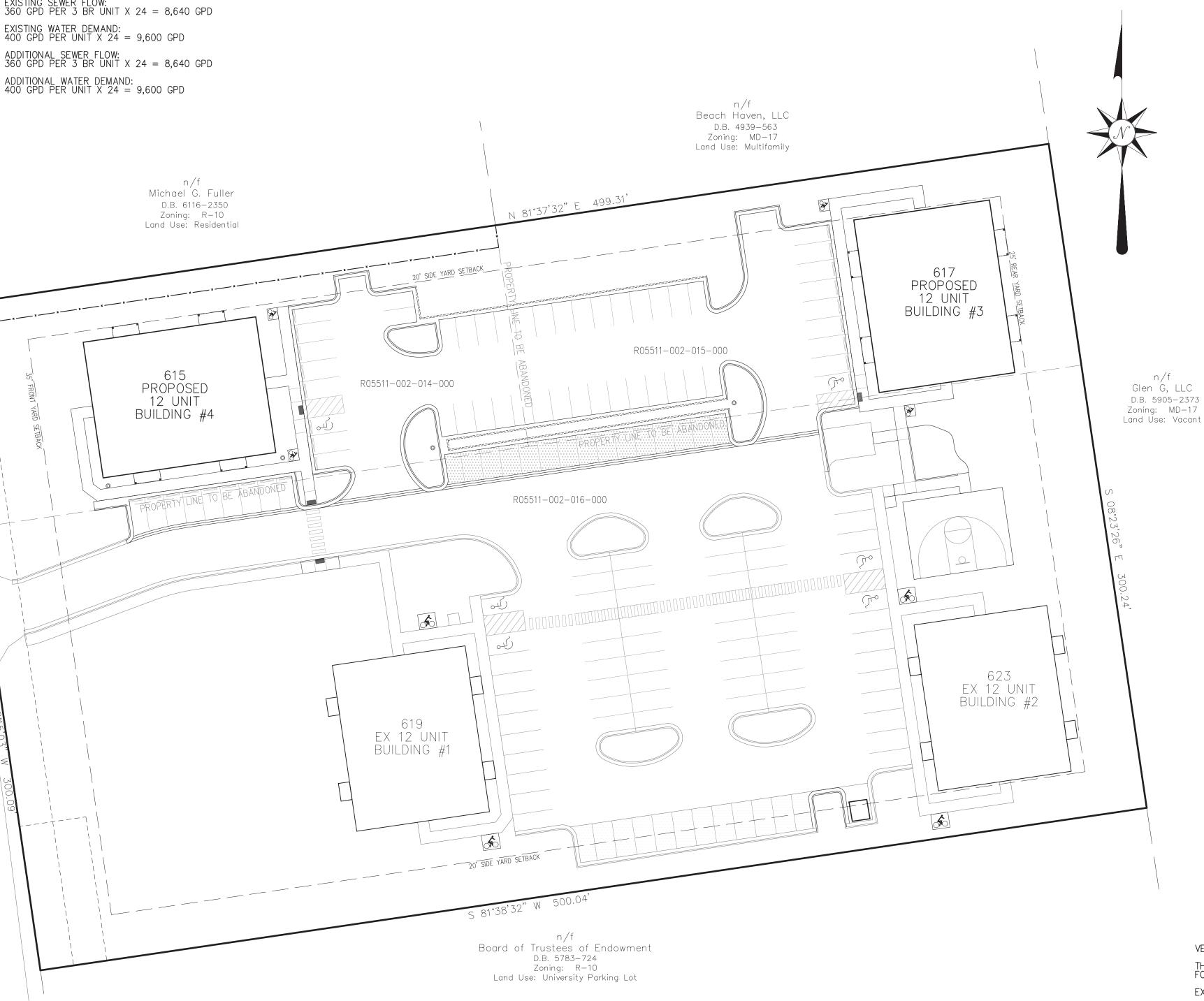
Bruce & Gloria Umstetter D.B. 1911–705

Zoning: R–10

Land Use: Vacant

IN ACCORDANCE WITH CD-7-1214-M520, THE FOLLOWING CONDITIONS SHALL APPLY:

UTILITY CALCULATIONS EXISTING SEWER FLOW: 360 GPD PER 3 BR UNIT X 24 = 8,640 GPD



## NOTES

- 1. EXISTING FEATURES AND BOUNDARY DATA BY STROUD ENGINEERING, P.A..
- 2. NO WETLANDS OR SURFACE WATERS EXIST WITHIN OR ADJACENT TO THE PROJECT AREA.
- 3. THE PROJECT IS OUTSIDE THE 100 YEAR FLOOD ZONE PER FIRM PANEL 3720313700K.
- 4. AN NHC EROSION CONTROL PERMIT IS REQUIRED FOR PROJECTS DISTURBING MORE THAN 1 ACRE. CONTRACTOR SHALL INSTALL AND MAINTAIN EROSION CONTROL MEASURES AS NOTED ON THE PLANS.
- 5. NCDEQ AND CITY OF WILMINGTON STORMWATER PERMITS ARE SHALL BE REQUIRED PRIOR TO BEGINNING WORK.
- 6. NO WATER OR SEWER MAIN EXTENSIONS ARE PROPOSED. CFPUA PLAN APPROVAL SHALL BE REQUIRED PRIOR TO BEGINNING WORK.
- 7. CITY OF WILMINGTON FIRE SERVICES AND CFPUA APPROVAL IS REQUIRED FOR PRIVATE FIRE LINE
- 8. NO EXTENSIONS OF PUBLIC OR PRIVATE RIGHTS OF WAY ARE PROPOSED. CITY OF WILMINGTON PLAN APPROVAL SHALL BE REQUIRED PRIOR TO BEGINNING WORK.
- 9. SOLID WASTE REMOVAL BY PRIVATE CONTRACTOR.
- 10. PHASE 2 SHALL NOT EXCEED 72 BEDROOMS.

N ACCORDANCE WITH CD-7-1214-M520, THE FOLLOWING CONDITIONS SHALL APPLY:
THE USE AND DEVELOPMENT OF THE 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 CONDITIONS STATED BELOW. IN THE EVENT OF CONFLICT, THE MORE STRINGENT REQUIREMENT OR HIGHER STANDARD SHALL APPLY.
APPROVAL OF THIS CONDITIONAL DISTRICT REZONING 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 SITE PLAN AND ELEVATION APPROVED BY CITY COUNCIL.
A 10 FOOT WIDE MULTI USE PATH SHALL BE PROVIDED ALONG SOUTH KERR AVENUE.
A PEDESTRIAN CONNECTION SHALL BE INSTALLED BETWEEN THE ADJACENT MULTIFAMILY DEVELOPMENTS TO THE NORTH AND EAST.
ALL REGULATED TREES OUTSIDE OF ESSENTIAL SITE IMPROVEMENTS MUST BE RETAINED OR MITIGATED AND ALL SIGNIFICANT TREES LOCATED OUTSIDE OF PROPOSED BUILDING FOOTPRINTS (UP TO A 25% LOT COVERAGE) SHALL BE RETAINED.
A MINIMUM OF 4 BICYCLE PARKING SPACES SHALL BE PROVIDED ON THE SITE.
EXTERIOR SITE LIGHTING PLAN SHALL BE NOTHED PRIOR TO CONSTRUCTION ADJACENT PARCELS AND SHALL BE LIMITED TO FULL CUTOFF TYPE FILTURES.
A CONCEPTUAL SITE LIGHTING PLAN SHALL BE SUBMITTED PRIOR TO CONSTRUCTION ADJACENT PARCELS AND SHALL BE LIMITED TO FULL CUTOFF TYPE FILTURES.</

COMBUSTIBLE EXTERIOR CONSTRUCTION. 13. ALL APPLICABLE CITY, STATE, AND FEDERAL REGULATIONS SHALL BE FOLLOWED

RELIMINAT

GRAPHIC SCALE: 1'' = 30'

	DEVELOPER/OWNER:	Å	<b>SCALE:</b> $1'' = 30'$
SEAHAWK COVE – PHASE II	SEAHAWK COVE SH, LLC 305 PETTIGREW DRIVE	STROUD ENGINEERING, P.A.	SHEET: 1 OF 11
615. 617, 619, 621 & 623 S. KERR AVENUE WILMINGTON, NC 28403	WILMINGTON, NC 28412 (910) 367–9782	102-D CINEMA DRIVE WILMINGTON, NC 28403 (910) 815-0775 LICENSE # C-0647	COVER

UTILITIES

DETAILS

ROADWAY INVENTORY

	DEVELOPER/OWNER:	Å	<b>SCALE:</b> $1" = 30'$
EAHAWK COVE – PHASE II	SEAHAWK COVE SH, LLC 305 PETTIGREW DRIVE	STROUD ENGINEERING, P.A.	SHEET: 1 OF 11
615. 617, 619, 621 & 623 S. KERR AVENUE	WILMINGTON, NC 28412	102-D CINEMA DRIVE	COVER



SHEET INDEX

A TRAFFIC IMPACT ANALYSIS IS NOT PROPOSED.

# AM PEAK HOUR TRIPS: 22 (+10) PM PEAK HOUR TRIPS: 28 (+13) DAILY TRIPS: 301 (+141)

NET TOTAL (NET CHANGE):

## AM PEAK HOUR TRIPS ELIMINATED: PM PEAK HOUR TRIPS ELIMINATED: DAILY TRIPS ELIMINATED: 19

REMOVE 2 SINGLE FAMILY DWELLINGS: (ITE CODE 210)

### AM PEAK HOUR TRIPS: 12 PM PEAK HOUR TRIPS: 15 DAILY TRIPS: 160

PROPOSED APARTMENTS (ITE CODE 220) W/ 24 DWELLING UNITS:

8–11

## AM PEAK HOUR TRIPS: 12 PM PEAK HOUR TRIPS: 15 DAILY TRIPS: 160

EXISTING APARTMENTS (ITE CODE 220) W/ 24 DWELLING UNITS:

THE ITE TRIP GENERATION MANUAL PROVIDES THE FOLLOWING ESTIMATES OF TRIPS:

VEHICLE TRIP GENERATION

144 SPACES PROVIDED (72 EX AND 72 PROPOSED) 48 BIKE SPACES PROVIDED (24 EX AND 24 PROPOSED) 5 ADA SPACES REQUIRED, 6 PROVIDED. ALL EXISTING AND PROPOSED ADA SPACES ARE VAN ACCESSIBLE

30 PERVIOUS SPACES PROVIDED (15 EX AND 15 PROPOSED)

27 ADDITIONAL SPACES PROVIDED 27 SPACES (MIN) SHALL BE CONSTRUCTED OF PERVIOUS PAVEMENT

2.25 SPACES PER 3 BR UNIT X 48 = 108 (MIN) 2.5 SPACES PER 3 BR UNIT X 48 = 120 (MAX)25% INCREASE (30 SPACES) ALLOWED WITH PERVIOUS PAVEMENT

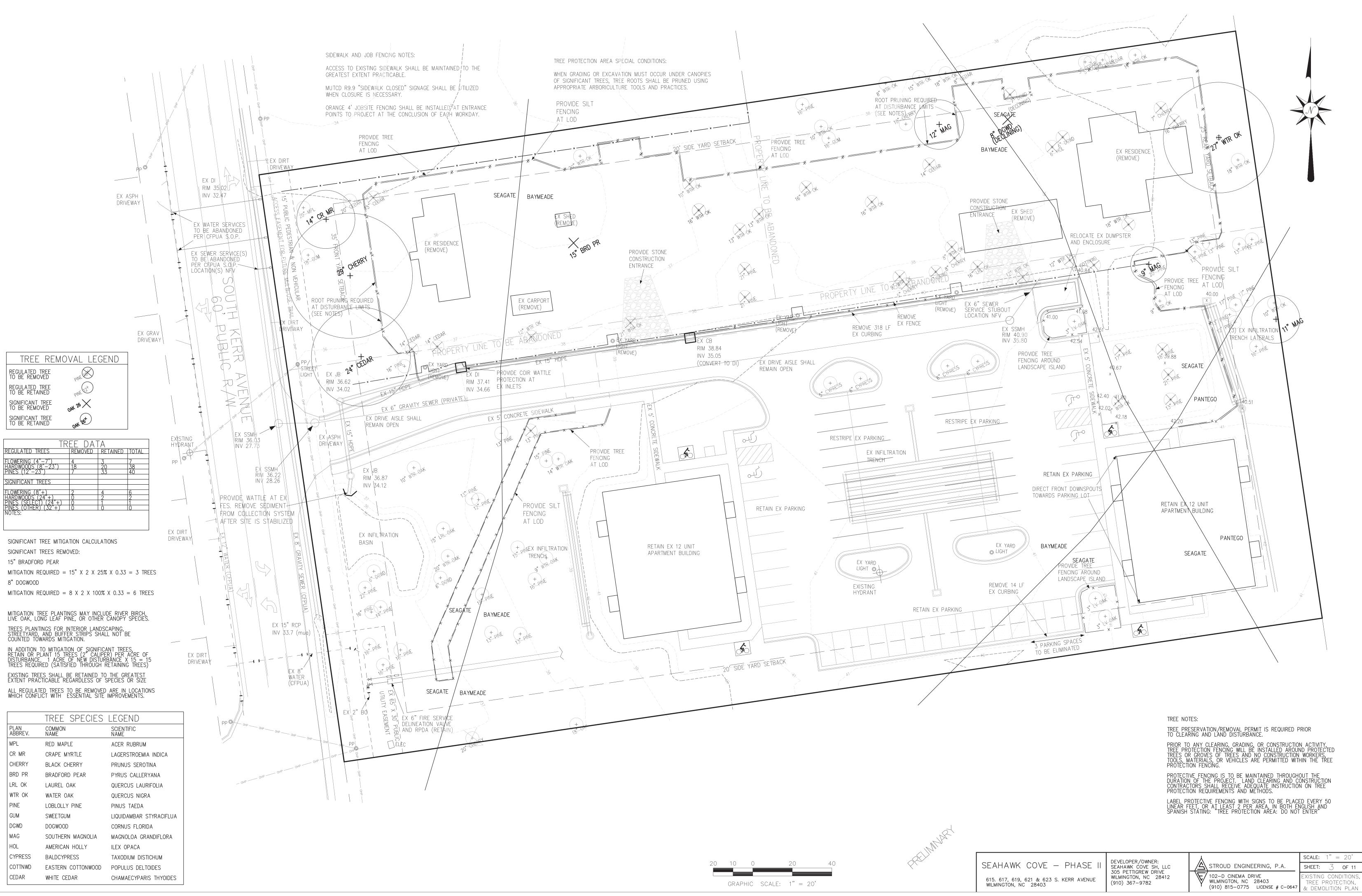
PARKING CALCULATIONS

\ //
VICINITY MAP
SITE DATAPARCEL IDR05511-002-016-000MAP BOOK/PAGE6616/2210DEED BOOK/PAGE6616/2210ZONINGMD-17 (CD) (CD-7-1214-M520)CAMA LUCURBANPROPERTY AREA3.44 AC149,986 SFBUA149,986 SFBUILDING18,888 SFSIDEWALKS/REC SPACE9,863 SFPARKING/ORIVE AISLE54,515 SFRESERVE1,469 SFTOTAL NEW BUA4,428 SFTOTAL NEW+RETAINED BUA1,95 AC% OF PROPERTY56.5 %TOTAL NEW+RETAINED BUA1,95 AC% OF PROPERTY11. ACRECIEVING STREAMBURNT MILL CREEKCLASSIFICATION18-74-63-2SOIL TYPESSEAGATE, BAYMEADE, PANTEGOPROPOSED USERESIDENTIALALLOWABLE DENSITY17 UNITS/ACPROPOSED UNITS14 UNITS/ACRETOTAL SQUARE FOOTAGE57,600 GSFNUMBER OF STORIES3

RANDALL PARKWAY



20	10	0	20	40



20	10	0	20	4C

SIGNIFICANT TREE MITIGATION CALCULATIONS SIGNIFICANT TREES REMOVED: 15" BRADFORD PEAR MITIGATION REQUIRED = 15" X 2 X 25% X 0.33 = 3 TREES

8"DOGWOOD

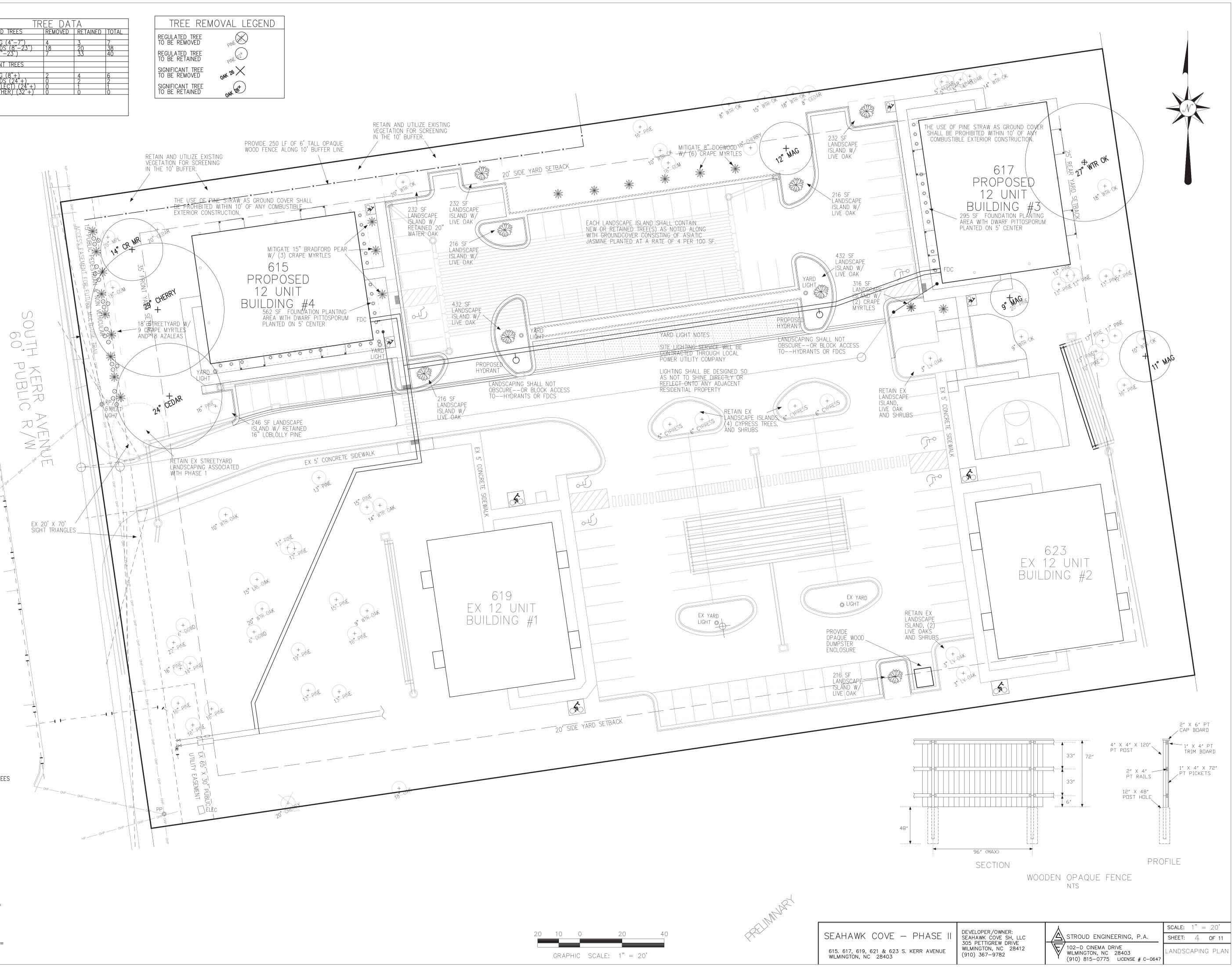
MITIGATION REQUIRED =  $8 \times 2 \times 100\% \times 0.33 = 6$  TREES

MITIGATION TREE PLANTINGS MAY INCLUDE RIVER BIRCH, LIVE OAK, LONG LEAF PINE, OR OTHER CANOPY SPECIES. TREES PLANTINGS FOR INTERIOR LANDSCAPING, STREETYARD, AND BUFFER STRIPS SHALL NOT BE COUNTED TOWARDS MITIGATION.

IN ADDITION TO MITIGATION OF SIGNIFICANT TREES, RETAIN OR PLANT 15 TREES (2" CALIPER) PER ACRE OF DISTURBANCE. 1 ACRE OF NEW DISTURBANCE X 15 = 15TREES REQUIRED (SATISFIED THROUGH RETAINING TREES) EXISTING TREES SHALL BE RETAINED TO THE GREATEST EXTENT PRACTICABLE REGARDLESS OF SPECIES OR SIZE ALL REGULATED TREES TO BE REMOVED ARE IN LOCATIONS WHICH CONFLICT WITH ESSENTIAL SITE IMPROVEMENTS.

TREE DATA						
REGULATED TREES	REMOVED	RETAINED	TOTAL			
FLOWERING (4"-7") HARDWOODS (8"-23")	4	3	7			
FLOWERING (4 – 7) HARDWOODS (8"–23") PINES (12"–23")	7	33	40			
SIGNIFICANT TREES						
FLOWERING $(8"+)$	2	4	6			
PINES (SELECT) (24"+) PINES (OTHER) (32"+)	Ŏ	1	1			
INOTES:	10		10			

TREE	REM(	DVAL	LEGEN
REGULATED TH TO BE REMOVI	REE ED	PINE	
REGULATED TH TO BE RETAIN	REE ED	PINE	t
SIGNIFICANT TI TO BE REMOVI	REE ED	OAK 26	$\boldsymbol{\times}$
SIGNIFICANT TI TO BE RETAIN	REE ED	OAK 26	$\mathbf{F}$



	TREE SPECIES	LEGEND
PLAN ABBREV.	COMMON NAME	SCIENTIFIC NAME
MPL	RED MAPLE	ACER RUBRUM
CR MR	CRAPE MYRTLE	LAGERSTROEMIA INDICA
CHERRY	BLACK CHERRY	PRUNUS SEROTINA
BRD PR	BRADFORD PEAR	PYRUS CALLERYANA
LRL OK	LAUREL OAK	QUERCUS LAURIFOLIA
WTR OK	WATER OAK	QUERCUS NIGRA
PINE	LOBLOLLY PINE	PINUS TAEDA
GUM	SWEETGUM	LIQUIDAMBAR STYRACIFLUA
DGWD	DOGWOOD	CORNUS FLORIDA
MAG	SOUTHERN MAGNOLIA	MAGNOLOA GRANDIFLORA
HOL	AMERICAN HOLLY	ILEX OPACA
CYPRESS	BALDCYPRESS	TAXODIUM DISTICHUM
COTTNWD	EASTERN COTTONWOOD	POPULUS DELTOIDES
CEDAR	WHITE CEDAR	CHAMAECYPARIS THYOIDES

LANDSCAPE SCHEDULE							
SYMBOL	SPECIES	CATAGORY	MINIMUM SIZE	NO.			
	LIVE OAK	LARGE SHADE TREE	2 INCH CALIPER	13			
$\gg$	CRAPE MYRTLE	SMALL TREE	5 GAL POT	15			
C. S.	AZALEA	SHRUB	12 INCH HEIGHT	18			
5/2	DWARF PITTOSPORUM	SHRUB	12 INCH HEIGHT	37			
$\checkmark$	ASIATIC JASMINE	GROUNDCOVER	2.5 QT POT	85			

LANDSCAPING CALCULATIONS

### STREETYARD

100 LF PROPERTY FRONTAGE WITH NO DRIVEWAY = 100 LF STREETYARD MULTIPLIER = 18 X 100 = 1,800 SF REQUIRED (1,800 SF PROVIDED) STREETYARD IS ADJACENT TO OVERHEAD POWER LINES——PROVIDE UNDERSTORY TREES 3 UNDERSTORY TREE PER 600 SF = 9 REQUIRED (9 PROVIDED) 6 SHRUBS PER 600 SF = 18 REQUIRED (18 PROVIDED)

PARKING AREA INTERIOR SHADING 32,008 SF BUA X 20% = 6,401 SF REQUIRED (8,482 SF PROVIDED)

PROVIDE/RETAIN 8 CANOPY TREES AT 707 SF EA = 5,656 SF PROVIDE 9 UNDERSTORY TREES AT 314 SF EA = 2,826 SF

PARKING AREA PERIMETER -- NA

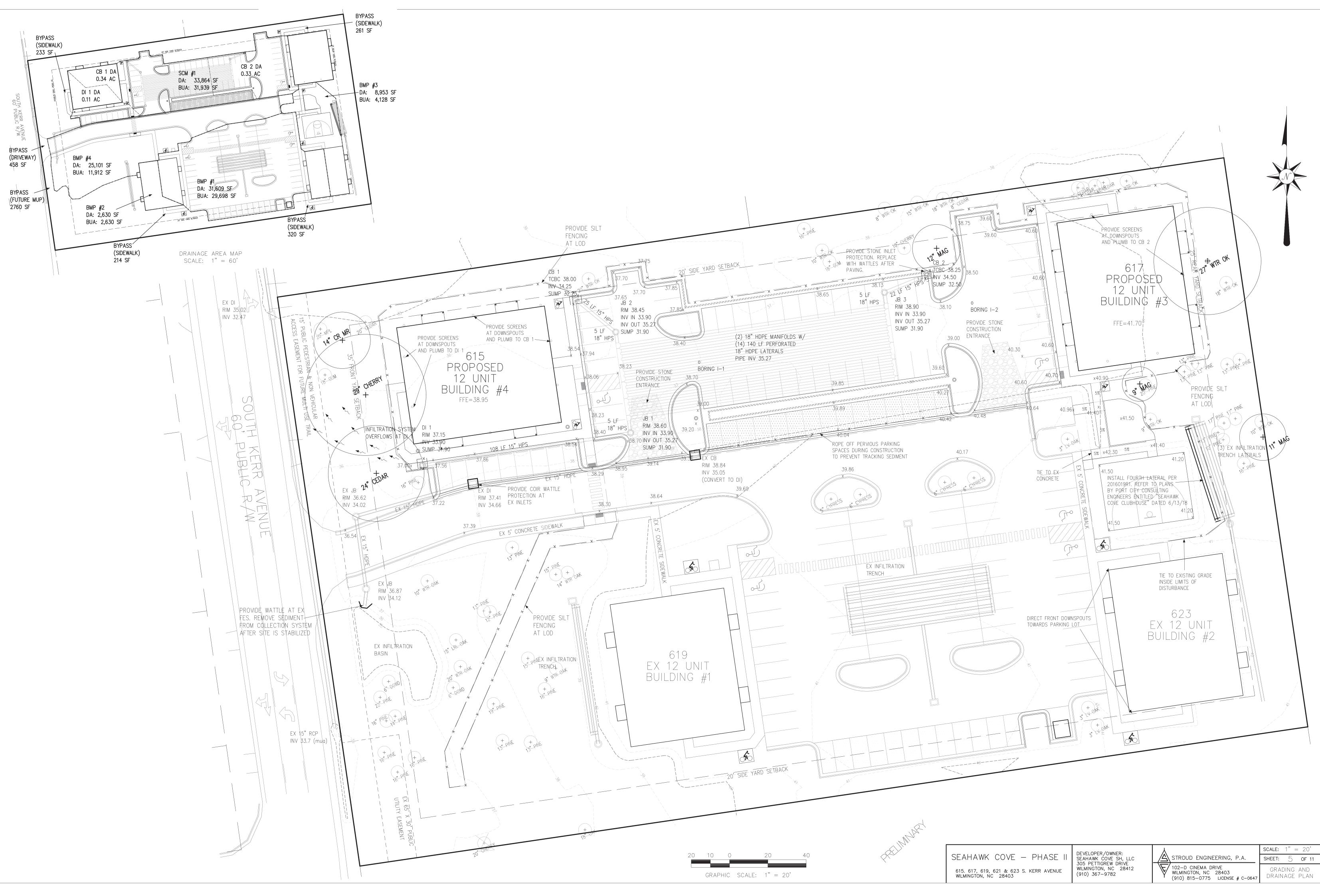
FOUNDATION PLANTING CALCULATIONS BUILDING #3-30 FT FACADE HEIGHT X 75 LF OF FACADE ADJACENT TO PARKING/DRIVE AISLE = 2,250 SF X 12% = 270 SF REQUIRED (295 SF PROVIDED)

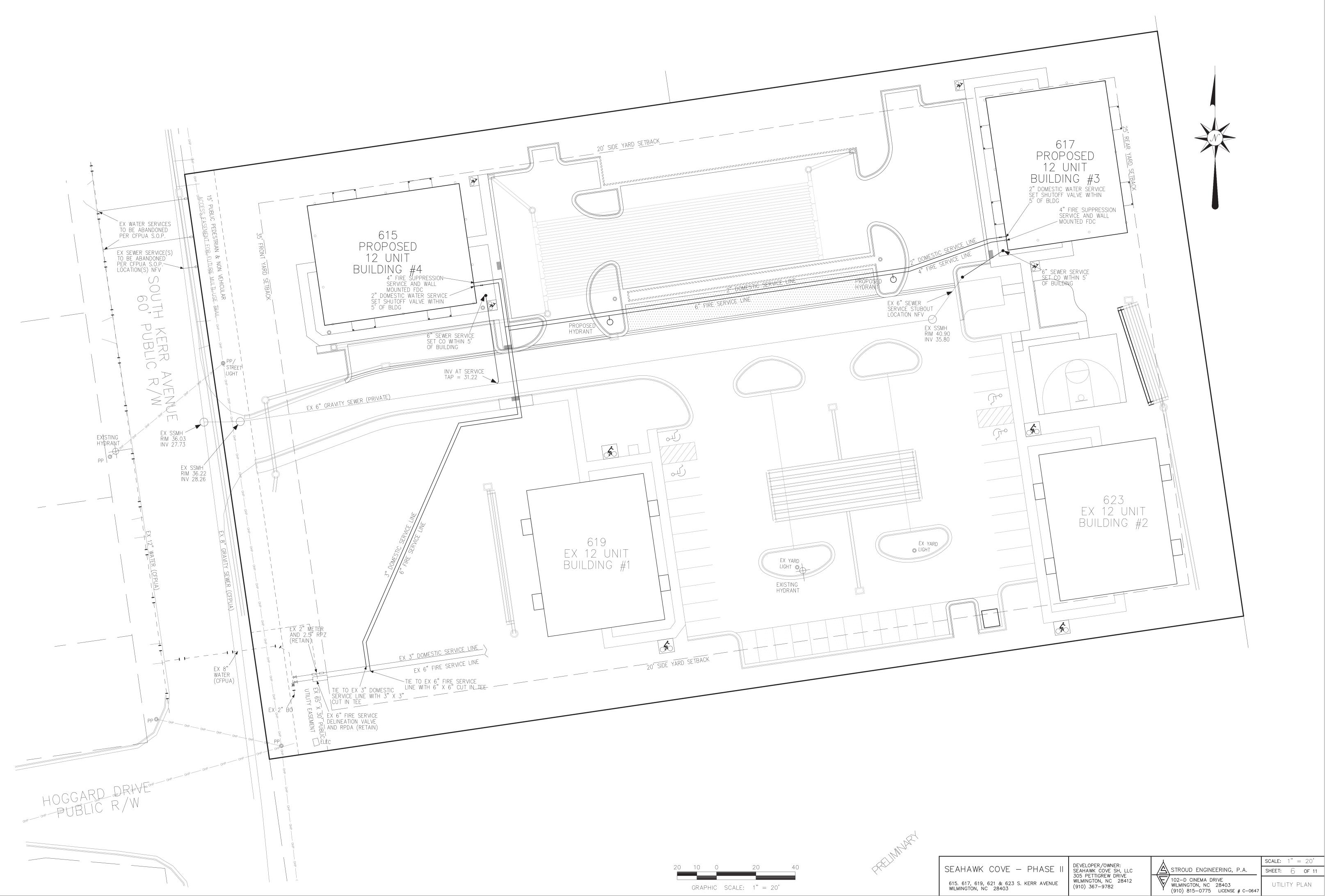
### BUILDING #4-

30 FT FACADE HEIGHT X 135 LF OF FACADE ADJACENT TO PARKING/DRIVE AISLE = 4,050 SF X 12% = 486 SF REQUIRED (562 SF PROVIDED)

20	10	0	20	40

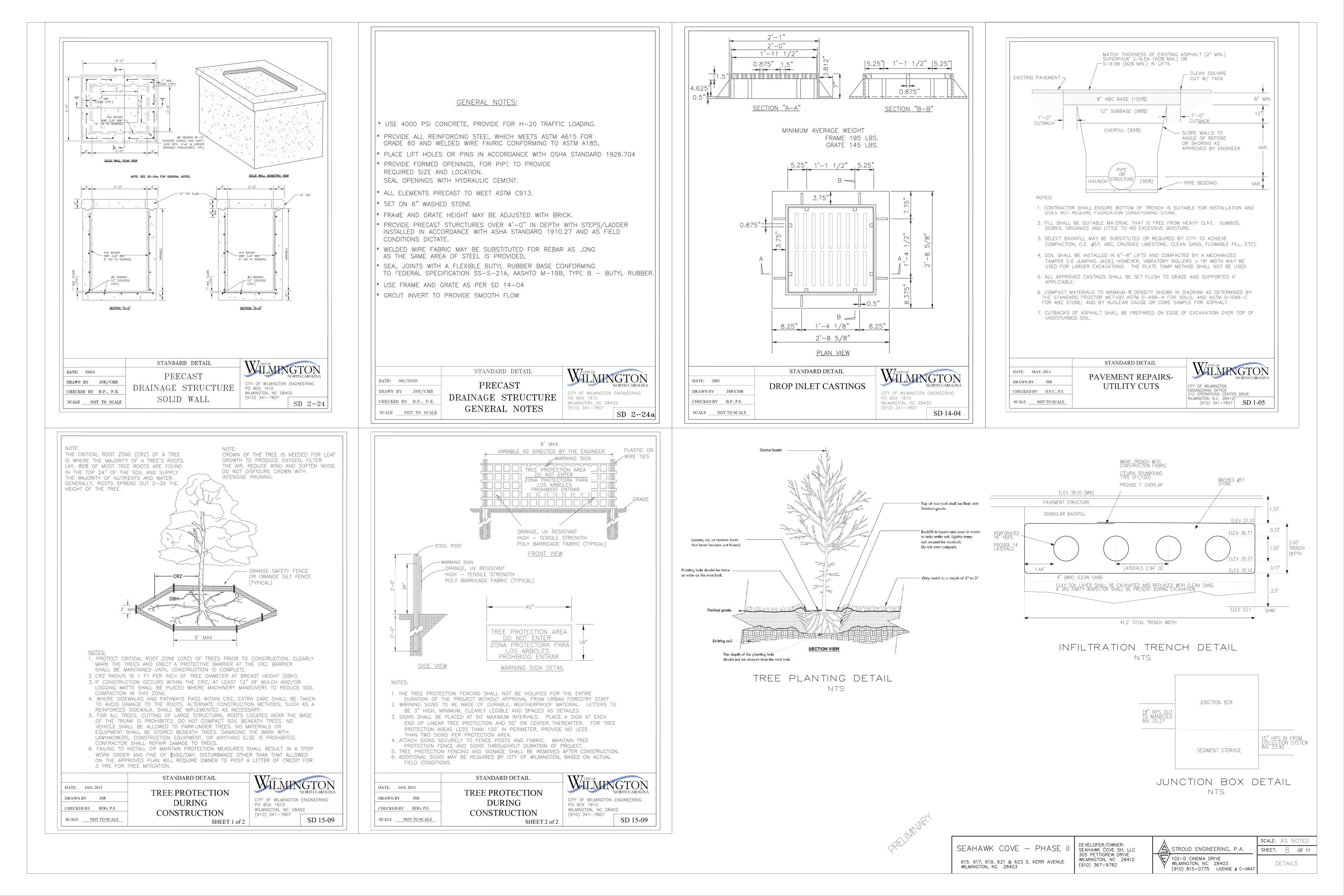


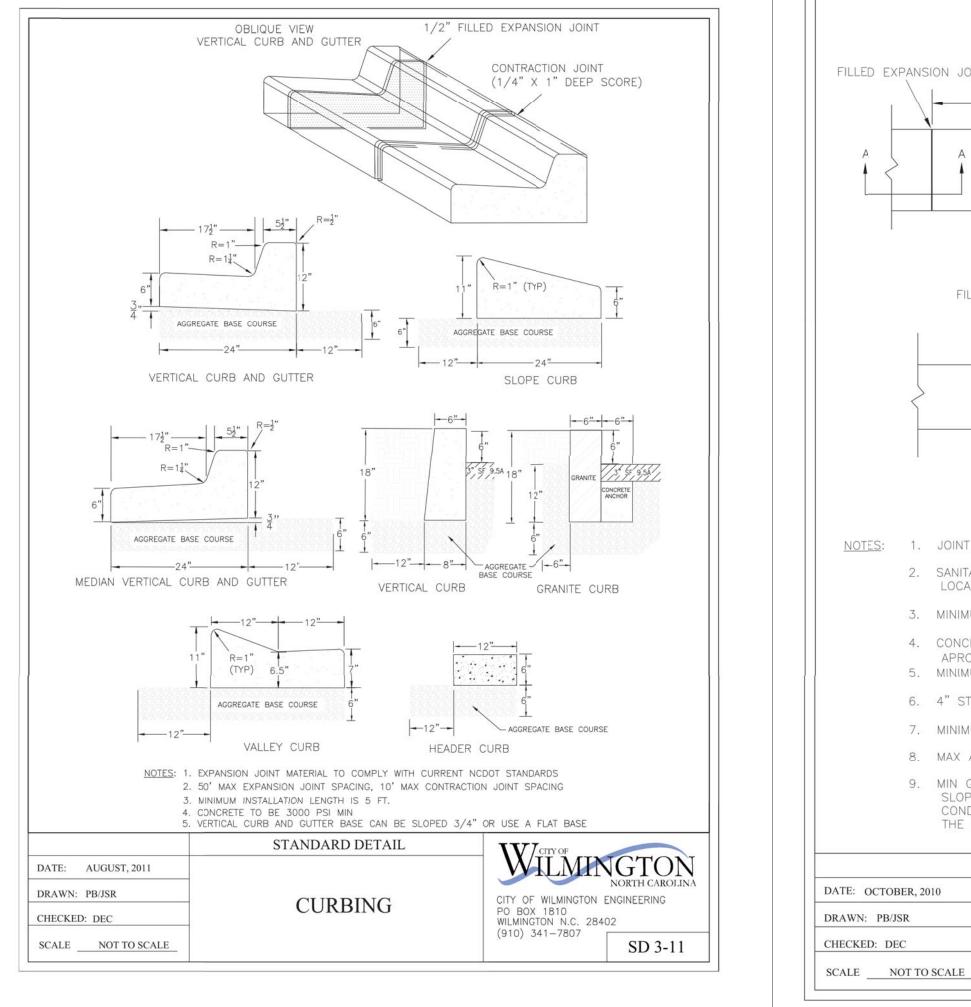


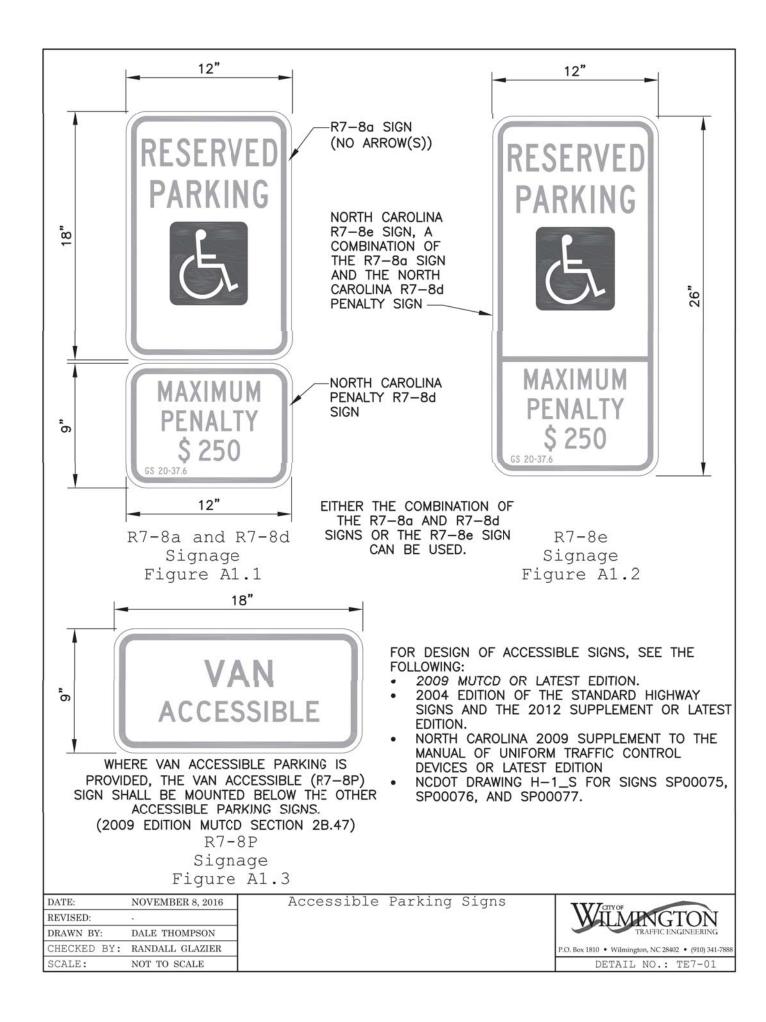


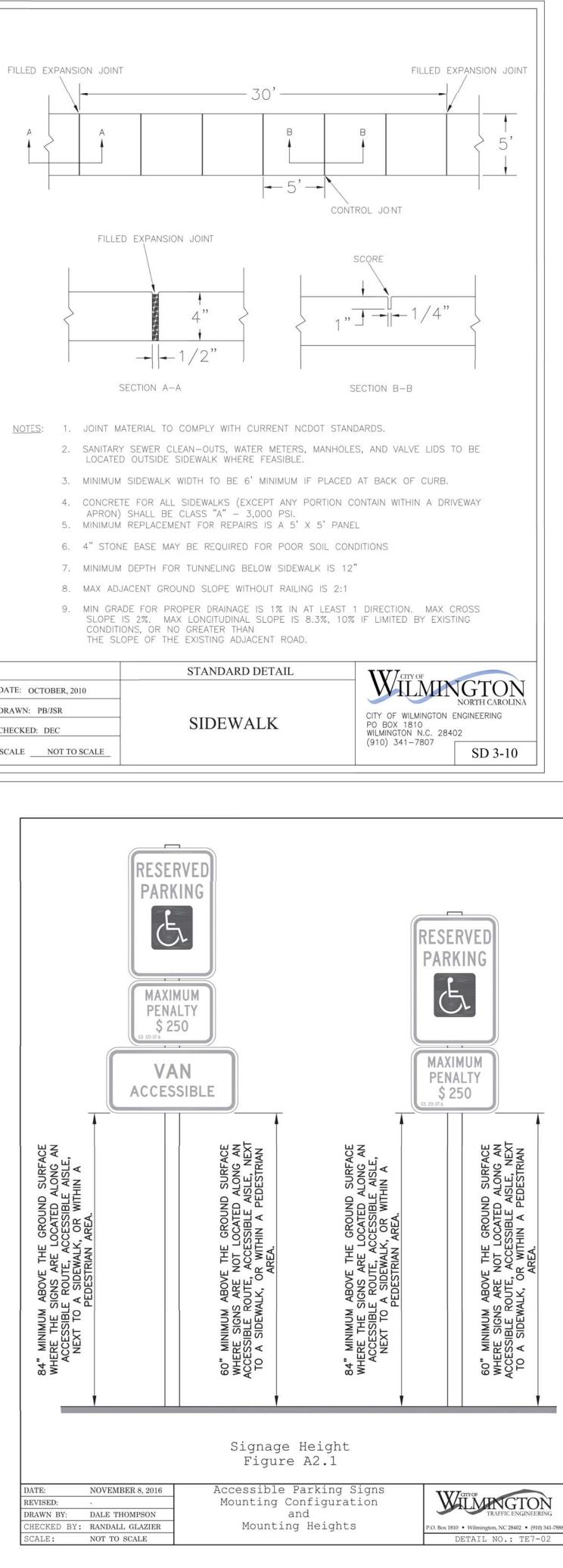


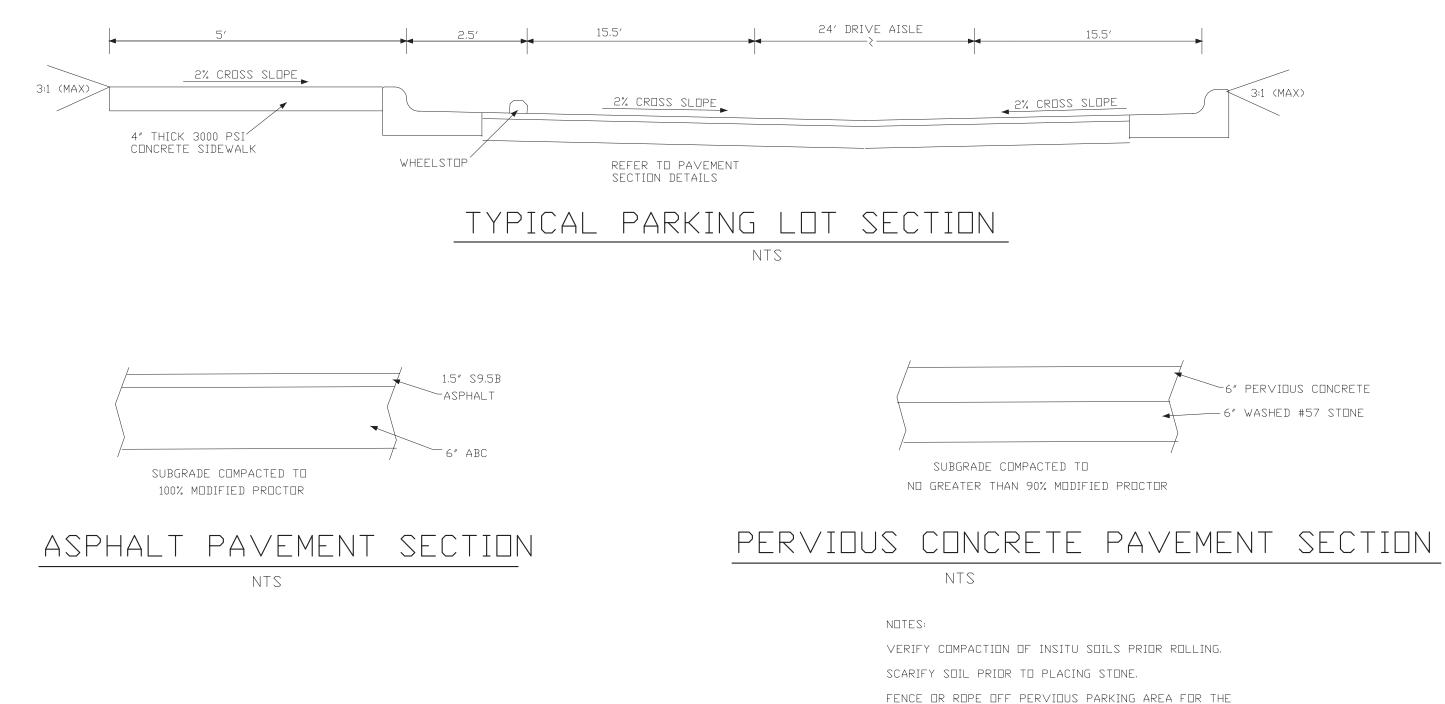
graphic scale: 1" = 40'







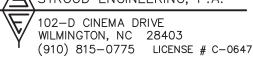




DURATION OF CONSTRUCTION TO PREVENT CONSTRUCTION TRAFFIC FROM PARKING ON PREPARED SUBGRADE, STONE BASE, OR FINISHED CONCRETE

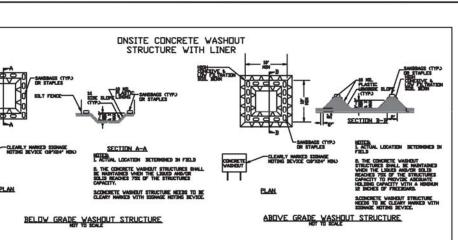
PRELIMMARY





THE NCG01 CONSTRUCTION         Implementing the details a activity being considered a sections of the NCG01 Compermittee shall comply with delegated authority having may not apply depending         SECTION E: GROUND STANCE         Reference         Site Area Description         (a) Perimeter dikes, swales, ditches, and perimeter slopes         (b) High Quality Water (HQW) Zones         (c) Slopes steeper than 3:1         (d) Slopes 3:1 to 4:1         (e) Areas with slopes flatter than 4:1         Note: After the permanent ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity. Temporary ground stabilization shall practicable but in no case activity.	ON GENERAL PERMIT         and specifications on t         compliant with the Groupliant with the Group         compliant with the Group         struction General Per         th the Erosion and Sec         g jurisdiction. All detail         con site conditions and         BILIZATION         equired Ground Stabil         Stabilize within this         many calendar         days after ceasing         land disturbance         7         7         14         14         14	Timeframe variations         None         None         If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed         -7 days for slopes greater than 50' in length and with slopes steeper than 4:1         -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones         -10 days for Falls Lake Watershed         -7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones         -10 days for Falls Lake Watershed         constructives, any areas with temporary anent ground stabilization as soon as ar days after the last land disturbing emaintained in a manner to render the	1. 2. 3. 4. 5. 6. <b>LITTE</b> 1. 2. 3. 4. 5. 6. 7. 8. 9. <b>PAIN</b> 1. 2. 3. 4. 5. 5. 6. 7. 8. 9.	project. Collect all spent fluids, store in sep hazardous waste (recycle when po Remove leaking vehicles and const has been corrected. Bring used fuels, lubricants, coolar to a recycling or disposal center th <b>R, BUILDING MATERIAL AND LAND</b> Never bury or burn waste. Place litt Provide a sufficient number and size receptacle) on site to contain const Locate waste containers at least 50 waters unless no other alternatives Locate waste containers on areas th from upland areas and does not dra Cover waste containers at the end o provide secondary containment. Re Anchor all lightweight items in wast Empty waste containers as needed containers overflow. Dispose waste off-site at an approv On business days, clean up and disp <b>IT AND OTHER LIQUID WASTE</b> Do not dump paint and other liquid Locate paint washouts at least 50 f waters unless no other alternatives Contain liquid wastes in a controlle Containment must be labeled, size	to prevent discharge of fluids. d equipment. s feasible, or remove leaking equipment from the parate containers and properly dispose as assible). truction equipment from service until the problem ents, hydraulic fluids and other petroleum products that handles these materials. <b>CLEARING WASTE</b> ter and debris in approved waste containers. e of waste containers (e.g dumpster, trash ruction and domestic wastes. feet away from storm drain inlets and surface are reasonably available. nat do not receive substantial amounts of runoff ain directly to a storm drain, stream or wetland. of each workday and before storm events or epair or replace damaged waste containers. te containers during times of high winds. to prevent overflow. Clean up immediately if ed disposal facility. bose of waste in designated waste containers.	CONCE 1. C 2. C 3. N 4. II 5. C 5. C
GROUND STABILIZATION         Stabilize the ground suffic techniques in the table be         Temporary Stab         • Temporary grass seed cow other mulches and tacklife         • Temporary grass seed cow other mulches and tacklife         • Hydroseeding         • Rolled erosion control prowithout temporary grass seed cow other mulches and tacklife         • Phydroseeding         • Rolled erosion control prowithout temporary grass seed cow other mulches and tacklife         • Plastic sheeting         • Plastic sheeting         POLYACRYLAMIDES (PAM         1. Select flocculants the construction, select         2. Apply flocculants at PAMS/Flocculants at PAMS/Flocculants at PAMS/Flocculants at Construction and Stressee         4. Provide ponding are offsite.         5. Store flocculants in	SPECIFICATION ently so that rain will low: ilization ered with straw or ered with straw or ducts with or eed w or other mulch so or other mulch so of the straw or before the inlets to the concentrations sp nd in accordance with a for containment of leak-proof containers condary containment	T the soils being exposed during List of Approved PAMS/Flocculants. D Erosion and Sediment Control Measures. Decified in the NC DWR List of Approved In the manufacturer's instructions. Treated Stormwater before discharging that are kept under storm-resistant cover a structures.	PORT         1.         2.         3.         EART         1.         2.         3.         4.	streams or wetlands unless there is offset is not attainable, provide rele on a gravel pad and surround with Provide staking or anchoring of por foot traffic areas. Monitor portable toilets for leaking Utilize a licensed sanitary waste had with properly operating unit. <b>THEN STOCKPILE MANAGEMENT</b> Show stockpile locations on plans. 50 feet away from storm drain inle and surface waters unless it can be available. Protect stockpile with silt fence ins five feet from the toe of stockpile. Provide stable stone access point w Stabilize stockpile within the timefit with the approved plan and any ad as vegetative, physical or chemical erosion on disturbed soils for temp	table toilets during periods of high winds or in high g and properly dispose of any leaked material. uler to remove leaking portable toilets and replace Locate earthen-material stockpile areas at least ts, sediment basins, perimeter sediment controls e shown no other alternatives are reasonably talled along toe of slope with a minimum offset of when feasible. rames provided on this sheet and in accordance lditional requirements. Soil stabilization is defined coverage techniques that will restrain accelerated	9. F 9. F 10. A 10.
SECTION A: SELF-INSPECTION         SECTION A: SELF-INSPECTION         Self-inspections are required         personnel to be in jeopardy         which it is safe to perform a greater than 1.0 inch occurs         performed upon the comm         were delayed shall be note         Inspect       Frequency         (during norr         (1) Rain gauge maintained in good working order       Daily         (2) E&SC       At least oncome and within 2         Measures       7 calendar date and within 2         hours of a rate event ≥ 1.0 in 24 hours       At least oncome and within 2         (3) Stormwater       At least oncome and within 2         discharge       7 calendar date and and within 2         outfalls (SDCs)       At least oncome and within 2         (4) Perimeter of site       At least oncome and within 2         or offsite       At least oncome and within 2         outfalls (SDCs)       At least oncome and within 2         (5) Streams or       At least oncome and within 2         weent ≥ 1.0 in 24 hours       1.0 in 24 hours         (6) Ground       After each point and within 2         stabilization       After each point and within 2         weeasures       of grading <tr< td=""><td>DN         d during normal busing         her or site conditions         , the inspection may be         he inspection. In addition of the next of the next of the next of the next of in the Inspection Remains.         Daily rainfall amo If no daily rain generation of the needed.         Daily rainfall amo If no daily rain generation of the next of attended days (aneeded). Days on "zero." The periapproved by the formation of the next of attended days (aneeded). Days on "zero." The periapproved by the formation of the next of attended days (aneeded). Days on "zero." The periapproved by the formation of the next of attended days (aneeded). Days on "zero." The periapproved by the formation of the next of the perin 4. Indication of the next of the perin 4. Indication of the next of the perin 4. Indication of the next of the stream of the perin 4. Evidence of interval attended days (aneeded). Days of the following set of the stream or ways stream has visible activity, then are in 1. Description, ever in 2. Description, ever in 1. 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Is must include: unts. auge observations are made during weekend or and no individual-day rainfall information is the cumulative rain measurement for those un- and this will determine if a site inspection is n which no rainfall occurred shall be recorded as mittee may use another rain-monitoring device Division. of the measures inspected, of the inspection, thether the measures were operating; maintenance needs for the measure, idence, and date of corrective actions taken. To fue discharge outfalls inspected, of the inspection, erson performing the inspection, thether the measures were operating; maintenance needs for the measure, idence, and date of corrective actions taken. To clean up or stabilize the sediment that has left idence, and date of corrective actions taken, and h as to the actions taken to control future retand has increased visible sediment that has left idence, and date of corrective actions taken, and h as to the actions taken to control future retand has increased visible sediment that has left idence and date of corrective actions taken, and h as to the actions taken to control future retand has increased visible sediment tation or a increased turbidity from the construction cord of the following shall be made: idence and date of corrective actions taken, and h as to the actions taken to control future the text of the of duster give actions taken, and h as to the actions taken to control future the and atte of corrective actions taken, and h as to the actions taken to control future there and the of corrective actions taken, and h as to the actions taken dot dot dots form the inspection of all land-disturbing uction or fellewid-disturbing turbing installation of storm tese, completion of all land-disturbing turbing insta</td><td>1. E&amp;SC         The au         appro         The formation inspection in the formation inspection in the formation in</td><td>SELF-INSPECTION, REC NERECORDKEEPING Plan Documentation pproved E&amp;SC plan as well as any apport oved E&amp;SC plan must be kept up-to-collowing items pertaining to the E&amp;SC ction at all times during normal busin Item to Document the E&amp;SC measure has been installed ordes not significantly deviate from the ins, dimensions and relative elevations on the approved E&amp;SC plan. ohase of grading has been completed. ordence with the approved E&amp;SC me maintenance and repair ements for all E&amp;SC measures ional Documentation to be Kept on dition to the E&amp;SC plan documents all nd available for inspectors at all time on provides a site-specific exemption equirement not practical: his General Permit as well as the Cer ecords of inspections made during the cord the required observations on to ivision or a similar inspection form the lectronically-available records in lieu hown to provide equal access and ut mentation to be Retained for Three ta used to complete the e-NOI and all the available for inspections on to ivision or a similar inspection form the lectronically-available records in lieu thown to provide equal access and ut mentation to be Retained for Three ta used to complete the e-NOI and all the years after project completion and the available for inspections on the ison of a similar inspection form the acused to complete the e-NOI and all the years after project completion and the provide equal access and ut mentation to be Retained for Three ta used to complete the e-NOI and all the provide equal access and ut mentation to be Retained for Three ta used to complete the e-NOI and all the provide equal access and ut mentation to be Retained for Three ta used to complete the e-NOI and all the provide equal access and ut mentation to be Retained for Three the aused to complete the e-NOI and all the provide equal access and the at the outlet of the dewatering treat at the outlet of the dewatering treat at the outlet of the dewatering treat at the outlet of the dewater</td><td>Documentation Requirements           Initial and date each E&amp;SC measure on a copy of the approved E&amp;SC plan or complete, date and sign an inspection report that lists each E&amp;SC measures shown on the approved E&amp;SC plan. This documentation is required upon the initial installation of the E&amp;SC measures or if the E&amp;SC measures are modified after initial installation.           Initial and date a copy of the approved E&amp;SC plan or complete, date and sign an inspection report to indicate completion of the construction phase.           Initial and date a copy of the approved E&amp;SC plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.           Complete, date and sign an inspection report to indicate the completion of the corrective action.           Site bove, the following items shall be kept on the est during normal business hours, unless the n based on unique site conditions that make           trificate of Coverage, after it is received.           the previous twelve months. The permittee shall the Inspection Record Form provided by the hat includes all the required elements. Use of u of the required paper copies will be allowed if illity as the hard-copy records.           Years           Inspection records shall be maintained for a period d made available upon request. [40 CFR 122.41]           the surface when these devices need to be drawn dow erare (for example, times with extended cold weather ons in which it will occur. The non-surface withdrawa           permit, ent basin. Examples of appropriate controls include</td><td>r). of this p may en health o</td></tr<>	DN         d during normal busing         her or site conditions         , the inspection may be         he inspection. In addition of the next of the next of the next of the next of in the Inspection Remains.         Daily rainfall amo If no daily rain generation of the needed.         Daily rainfall amo If no daily rain generation of the next of attended days (aneeded). Days on "zero." The periapproved by the formation of the next of attended days (aneeded). Days on "zero." 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Use of u of the required paper copies will be allowed if illity as the hard-copy records.           Years           Inspection records shall be maintained for a period d made available upon request. [40 CFR 122.41]           the surface when these devices need to be drawn dow erare (for example, times with extended cold weather ons in which it will occur. The non-surface withdrawa           permit, ent basin. Examples of appropriate controls include	r). of this p may en health o

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING



#### RETE WASHOUTS

Do not discharge concrete or cement slurry from the site. Dispose of, or recycle settled, hardened concrete residue in accordance with local

and state solid waste regulations and at an approved facility. Manage washout from mortar mixers in accordance with the above item and in

addition place the mixer and associated materials on impervious barrier and within ot perimeter silt fence. Install temporary concrete washouts per local requirements, where applicable. If an alternate method or product is to be used, contact your approval authority for

review and approval. If local standard details are not available, use one of the two types of temporary concrete washouts provided on this detail. Do not use concrete washouts for dewatering or storing defective curb or sidewalk

sections. Stormwater accumulated within the washout may not be pumped into or discharged to the storm drain system or receiving surface waters. Liquid waste must be pumped out and removed from project.

Locate washouts at least 50 feet from storm drain inlets and surface waters unless it can be shown that no other alternatives are reasonably available. At a minimum, install protection of storm drain inlet(s) closest to the washout which could receive

spills or overflow. Locate washouts in an easily accessible area, on level ground and install a stone entrance pad in front of the washout. Additional controls may be required by the

approving authority. Install at least one sign directing concrete trucks to the washout within the project limits. Post signage on the washout itself to identify this location. Remove leavings from the washout when at approximately 75% capacity to limit

overflow events. Replace the tarp, sand bags or other temporary structural components when no longer functional. When utilizing alternative or proprietary products, follow manufacturer's instructions.

At the completion of the concrete work, remove remaining leavings and dispose of in an approved disposal facility. Fill pit, if applicable, and stabilize any disturbance caused by removal of washout.

#### CIDES, PESTICIDES AND RODENTICIDES

Store and apply herbicides, pesticides and rodenticides in accordance with label estrictions.

Store herbicides, pesticides and rodenticides in their original containers with the abel, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.

Do not store herbicides, pesticides and rodenticides in areas where flooding is possible or where they may spill or leak into wells, stormwater drains, ground water or surface water. If a spill occurs, clean area immediately. Do not stockpile these materials onsite

#### DOUS AND TOXIC WASTE

Create designated hazardous waste collection areas on-site. lace hazardous waste containers under cover or in secondary containment.

Do not store hazardous chemicals, drums or bagged materials directly on the ground.

## LING

EFFECTIVE: 04/01/19

#### PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

### C: REPORTING

rences that Must be Reported ttees shall report the following occurrences:

isible sediment deposition in a stream or wetland.

I spills if:

They are 25 gallons or more, They are less than 25 gallons but cannot be cleaned up within 24 hours, They cause sheen on surface waters (regardless of volume), or

They are within 100 feet of surface waters (regardless of volume). eleases of hazardous substances in excess of reportable quantities under Section 311 f the Clean Water Act (Ref: 40 CFR 110.3 and 40 CFR 117.3) or Section 102 of CERCLA

Ref: 40 CFR 302.4) or G.S. 143-215.85.

nticipated bypasses and unanticipated bypasses.

oncompliance with the conditions of this permit that may endanger health or the nvironment. ting Timeframes and Other Requirements a permittee becomes aware of an occurrence that must be reported, he shall contact ppropriate Division regional office within the timeframes and in accordance with the requirements listed below. Occurrences outside normal business hours may also be ted to the Department's Environmental Emergency Center personnel at (800) **Reporting Timeframes (After Discovery) and Other Requirements** ble sediment • Within 24 hours, an oral or electronic notification tion in a • Within 7 calendar days, a report that contains a description of the or wetland sediment and actions taken to address the cause of the deposition. Division staff may waive the requirement for a written report on a case-by-case basis. If the stream is named on the <u>NC 303(d) list</u> as impaired for sediment related causes, the permittee may be required to perform additional monitoring, inspections or apply more stringent practices if staff determine that additional requirements are needed to assure compliance with the federal or state impaired-waters conditions. Within 24 hours, an oral or electronic notification. The notification pills and shall include information about the date, time, nature, volume and location of the spill cr release. ous nces per Item ) above A report at least ten days before the date of the bypass, if possible. icipated es [40 CFR The report shall include an evaluation of the anticipated quality and (m)(3)] effect of the bypass. anticipated Within 24 hours, an oral or electronic notification es [40 CFR • Within 7 calendar days, a report that includes an evaluation of the (m)(3)] quality and effect of the bypass. compliance Within 24 hours, an oral or electronic notification. e conditions • Within 7 calendar days, a report that contains a description of the permit that noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not ndanger or the been corrected, the anticipated time noncompliance is expected to ment[40 continue; and steps taken or planned to reduce, eliminate, and 2.41(1)(7)] prevent reoccurrence of the noncompliance. [40 CFR 122.41(I)(6). Division staff may waive the requirement for a written report on a case-by-case basis. NORTH CAROLINA Environmental Quality EFFECTIVE: 04/01/19

EROSION & SEDIMENT CONTROL MAINTENANCE PLAN

1. ALL EROSION AND SEDIMENTATION CONTROL MEASURES WILL BE CHECKED FOR STABILITY AND OPERATION FOLLOWING EVERY RUNOFF-PRODUCING RAINFALL BUT IN NO CASE LESS THAN ONCE EVERY WEEK AND WITHIN 24 HOURS OF EVERY HALF INCH RAINFALL.

2. ALL POINTS OF EGRESS WILL HAVE CONSTRUCTIONS ENTRANCES THAT WILL BE PERIODICALLY TOP-DRESSED WITH AN ADDITIONAL 2" OF #4 STONE TO MAINTAIN PROPER DEPTH. THEY WILL BE MAINTAINED IN A CONDITION TO PREVENT MUD OR SEDIMENT FROM LEAVING THE SITE. IMMEDIATELY REMOVE OBJECTIONABLE MATERIAL SPILLED, WASHED, OR TRACKED ONTO THE CONSTRUCTION ENTRANCE OR ROADWAYS.

3. SEDIMENT WILL BE REMOVED FROM HARDWARE CLOTH AND GRAVEL INLET PROTECTION, BLOCK AND GRAVEL INLET PROTECTION, ROCK DOUGHNUT INLET PROTECTION, ROCK PIPE INLET PROTECTION, AND GUTTERBUDDY INLET PROTECTOIN WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS AS DESIGNED. DEBRIS WILL BE REMOVED FROM THE ROCK AND HARWARE CLOTH TO ALLOW PROPER DRAINAGE. SILT SACKS WILL BE EMPTIED ONCE A WEEK AND AFTER EVERY RAIN EVENT. SEDIMENT WILL BE REMOVED FROM AROUND BEAVER DAMS, DANDY SACKS/SOCKS, AND GUTTERBUDDIES ONCE A WEEK AND AFTER EVERY RAIN EVENT. NOTE THAT THE GUTTERBUDDY IS REUSABLE AND SHOULD BE STORED OUT OF DIRECT SUNLIGHT BETWEEN JOBS.

4. DIVERSION DITCHES WILL BE CLEANED OUT IMMEDIATLEY TO REMOVE SEDIMENT OR OBSTRUCTIONS FROM THE FLOW AREA. THE DIVERSION RIDGES WILL ALSO BE REPAIRED. SWALES MUST BE RESTABLIZED WITHIN 21 CALENDAR DAYS OF CEASE OF ANY PHASE OF PHASE OF ACTIVITY ASSOCIATED WITH A SWALE.

5. SEDIMENT WILL BE REMOVED FROM BEHIND THE SEDIMENT FENCE WHEN IT BECOMES HALF FILLED. THE SEDIMENT FENCE WILL BE REPAIRED AS NECESSARY TO MAINTAIN A BARRIER. STAKES MUST BE STEEL. STAKE SPACING WILL BE 6 FEET (MAX) WITH THE USE OF EXTRA STRENGHT FABRIC WITHOUT WIRE BACKING. STAKE SPACING WILL BE 8 FEET (MAX) WHEN STANDARD STRENGTH FABRIC AND WIRE BACKING ARE USED. IF ROCK FILTERS ARE USED AT LOW POINTS IN THE SEDIMENT FENCE, THE ROCK WILL BE REPAIRED OR REPLACED IF IT BECOMES HALF FULL OF SEDIMENT, NO LONGER DRAINS AS DESIGNED, OR IS DAMGED.

6. SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAPS AND BASINS WHEN THE DESIGNED STORAGE CAPACITY HAS BEEN HALF FILLED WITH SEDIMENT. ROCK WILL BE CLEANED OR REPLACED WHEN THE SEDIMENT POOL NO LONGER DRAINS OR WHEN THE ROCK IS DISLODGED. BAFFLES WILL BE REPAIRED OR REPLACED IF THEY COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE. THEY WILL BE REPLACED PROMPTLY. SEDIMENT WILL BE REMOVED WHEN DEPOSITS REACH HALF THE HEIGHT OF THE FIRST BAFFLE. IN SKIMMER BASINS, FLOATING SKIMMERS WILL BE INSPECTED WEEKLY AND WILL BE KEPT CLEAN.

7. ALL SEEDED AREAS WILL BE FERTILIZED, RESEEDED AS NECESSARY, AND MULCHED ACCORDING TO SPECIFICATIONS IN THE VEGETATIVE PLAN TO MAINTAIN A VIGOROUS, DENSE VEGETATIVE COVER. ALL SLOPES WILL BE SLABILIZED WITHIN 21 CALENDAR DAYS. ALL OTHER AREAS WILL BE STABILIZED WITHIN 15 WORKING DAYS.

8. FLOCCULANTS WILL BE USED TO ADDRESS TURBIDITY ISSUES. THE PUMPS, TANKS, HOSES AND INJECTION SYSTEMS WILL BE CHECKED FOR PROBLEMS OR TURBID DISCHARGES DAILY.

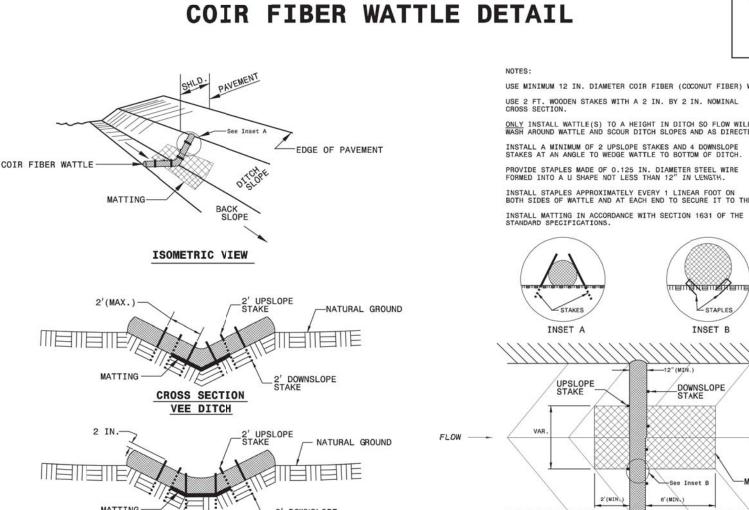
9. REPAIR OR REPLACE SPLIT, TORN, UNRAVELING, OR SLUMPING WATTLES. REMOVE SEDIMENT FROM BEHIND WATTLES ONCE IT HAS ACCUMULATED TO ONE-HALF THE WATTLE DIAMETER.

#### CONSTRUCTION SEQUENCE

- . INSTALL INLET PROTECTION, SILT FENCE,
- AND STONE CONSTRUCTION ENTRANCES
- 2. CLEAR & GRADE 3. INSTALL UNDERGROUND UTILITIES
- 4. INSTALL PAVEMENT

5. PROVIDE 100% VEGETATIVE COVER OF ALL DISTURBED SOILS.

6. CLEAN SEDIMENT FROM PIPES AFTER STABILIZATION.



CROSS SECTION

TRAPEZOIDAL DITCH

PERMANENT SEEDING TABLE 1				
Seeding Dates	Recommended Planting	Rate (Ib/ac)		
Feb. 15 - Apr. 1 Sep. 1 - Nov. 1	Tall Fescue Mixture	see table 2		
Apr. 1 – Aug. 1	Hybrid Bermudagrass	see table 2		
Apr. 1 – Jul. 15	Common Bermudagrass	see table 2		
Mar. 1 – Jul. 1	Centipedegrass	see table 2		

Site Description Well to poorly

drained soils Dry to well

drained soils

Swales

Site Description Well to poorly drained soils Dry to well drained soils Well drained |sandy loam to

Notes: seeding table. engineer, sod shall be provided.

|sand, lawns.

Seeding Dates Dec. 1 - Apr. Apr.<u>15 – Aug.</u> Aug. 15 - Dec

## SOD INSTALLATION

all. use 10 4. Roll to achieve a smooth, firm surface on which to lay the sod. prior to installation. good sod to soil contact.

sod has taken root.

RELIMIN

## COASTAL PLAIN SITE STABILIZATION SCHEDULE

1. Fertilize and lime per recommendations of soil tests or apply 2,000 lb/acre ground agricultural limestone and 750 lb/acre 10-10-10 fertilizer. Incorporate lime/fertilízer 4-6 inches. Roughen steep slopes by tracked machinary. Select species based on season. Refer to tables. 5. Broadcast seeds evenly\_and cover by raking or dragging a chain. Firm soil by rolling. 6. Apply straw mulch at a rate 1-2 tons per acre. Anchor straw by tacking with asphalt, netting, or a mulch anchoring tool A disk with blades sĕt nearly straight can be used as a mulch anchoring tool. . Refertilize if growth is not fully adequate. Reseed, refertilize and mulch immediately following erosion or other daMGe.

PERMANENT SEEDING TABLE 2a-LOW MAINTENANCE MIXTURES Recommended Planting | Rate (Ib/ac) Tall Fescue Mixture Pensacola Bahiaaras

Kobe Lespedeza	40
Pensacola Bahiagrass Common Bermudagrass Kobe Lespedeza German Millet	50 30 10 10
Common Bermudagrass	40-80

## PERMANENT SEEDING TABLE 2b-HIGH MAINTENANCE MIXTURES

ו	Recommended Planting	Rate (Ib/ac)		
	Tall Fescue Mixture Rye Grain	200 25		
	Hybrid Bermudagrass	50		
	Centipedegrass	10-20		

#### For seeding outside of recommended dates and/or for temporary stabilization, refer to temporary

## For highly erosive areas or as directed by an

## TEMPORARY SEEDING TABLE

TEMFORART SEEDING TABLE				
	Recommended Planting	Rate (Ib/ac)		
15	Kobe Lespedeza with Rye Grain	50 120		
. 15	German Millet	40		
. 1	Rye Grain	120		

1. Fertilize and lime per recommendations of soil tests or apply 100 lb/1,000 sf ground agricultural limestone and 25 lb/1,000 sf fertilizer. In the n the spring use Incorporate lime/fertilizer 4-6 inches. . Rake or harrow to achieve a smooth final grade.

5. Lightlý rake and irrigate top layer of soil just

6. Lay sod in a staggered, brick-like pattern with the longest dimension perpendicular to the slope. Avoid gaps. Use a knife to fit irregular shapes. 7. Roll sod lightly after installation to ensure

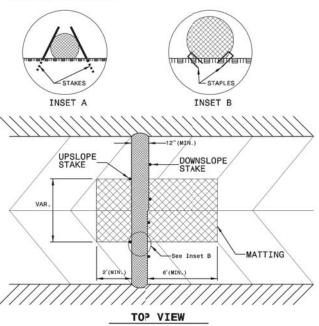
rrigate initially to wet soil to a depth of 4"

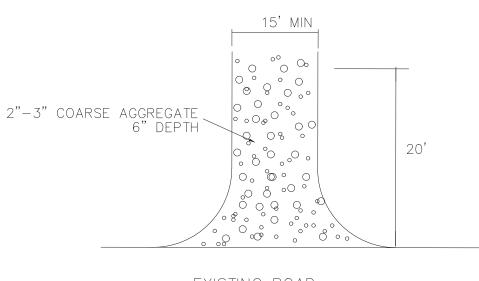
Keep soil moist for 2—3 weeks thereafter or until



USE MINIMUM 12 IN. DIAMETER COIR FIBER (COCONUT FIBER) WATTLE. USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION. ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH. INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

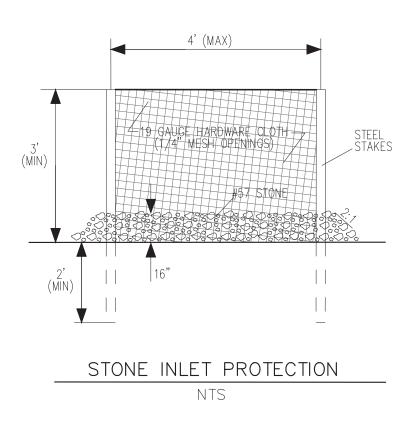


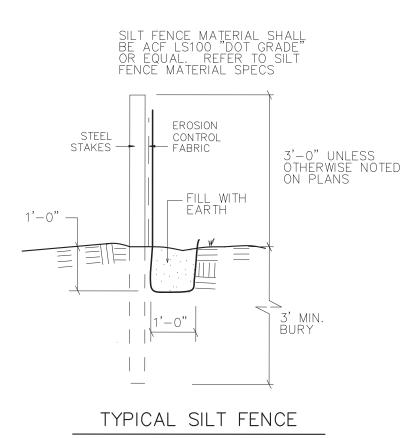


EXISTING ROAD

## CONSTRUCTION ENTRANCE DETAIL

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NOTE: POSTS TO BE SPACED 6 FT O.C. OR 8 FT O.C. W/ 14 GAUGE 6 X 6 WIRE MESH REINFORCEMENT. WOODEN POSTS ARE NOT ACCEPTABLE

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