

) FILE: D:\CCS\Projects\2019\19024-CoolWick Warehouse\Base\ LAYOUT: (

# SITE PLANS FOR

# COOL WICK WAREHOUSE 80 WEATHERS STREET YOUNGSVILLE, NORTH CAROLINA

# PREPARED FOR: COOLWICK, LLC 186 WIND CHIME COURT # 200 RALEIGH, NORTH CAROLINA 27615



2308 Ridge Road Raleigh, North Carolina 27612 Ph. 919-413-1704 P-1533

# **RECEIVED** By Erin Klinger at 9:53 am, Mar 31, 2020

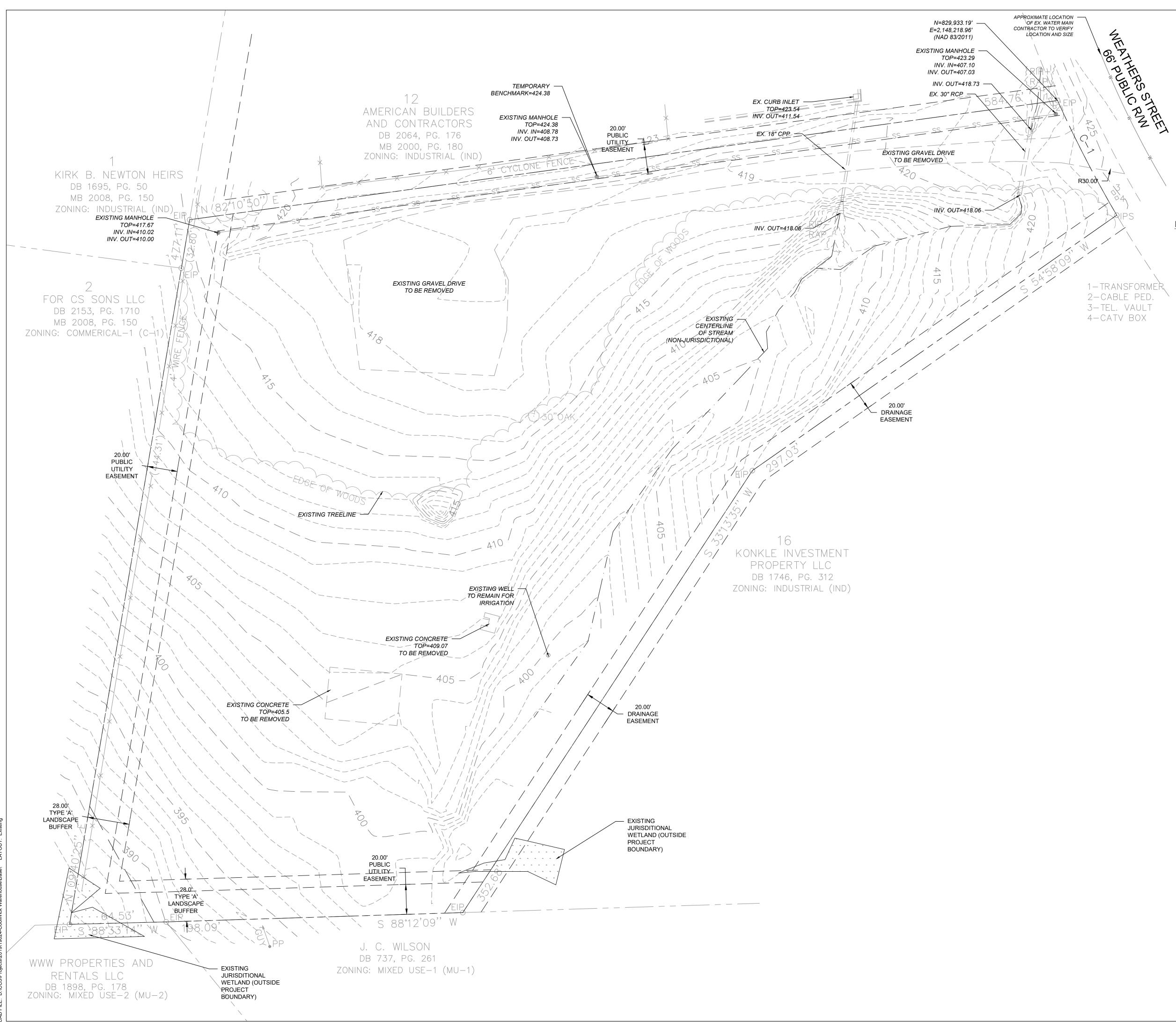
	し と し M L し L L し L L し L L し L L	Consulting Services, PLLC	2308 Ridae Road	Raleigh, North Carolina 27612 Ph 919-413-1704	P-1533
DATE	ISSUPER				
DESCRIPTION					
REV.					
ATVO2			COULWICK, LLC	80 WEATHERS STREET	YOUNGSVILLE, NORTH CAROLINA
PROJEC DRAWN CHECK DATE: SCALE:	I BY: ED BY	′: 1(	JAC JAC 0/10/1	9	

SHEET	DESCRIPTION
C-1	COVER
C-2	EXISTING CONDITIONS
C-3	SITE PLAN
C-4	GRADING AND STORMWATER PLAN
C-5	EROSION CONTROL PLAN
C-6	UTILITY PLAN
D-1	DETAILS
D-2	DETAILS

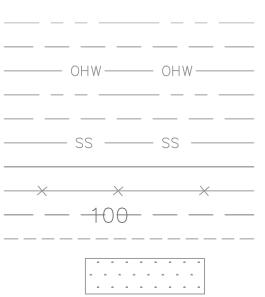
ALL CONSTRUCTION TO BE IN ACCORDANCE WITH ALL TOWN OF YOUNGSVILLE, NCDEQ, AND NCDOT STANDARDS AND SPECIFICATIONS.



ONE-CALL CENTE 1-800-632-4949



## LEGEND



EXISTING ABUTTING PROPERTY LINE EXISTING RIGHT-OF-WAY EXISTING OVERHEAD POWER LINE EXISTING ABUTTING PROPERTY LINE EXISTING EDGE OF PAVEMENT EXISTING SANITARY SEWER EXISTING WATER LINE EXISTING FENCE EXISTING CONTOUR MAJOR EXISTING CONTOUR MINOR

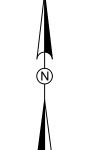
EXISTING WETLANDS



#### NOTES

- 1. BOUNDARY AND EXISTING CONDITIONS SURVEY PROVIDED BY B.L. SCOTT LAND SURVEYING DATED 08-08-19.
- 2. A PORTION OF THE PROPERTY IS LOCATED IN ZONE X THAT IS LOCATED WITHIN THE 0.2% ANNUAL CHANCE ZONE. THE REMAINING PORTIONS OF THE PROPERTY IS LOCATED IN ZONES X (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE 1% ANNUAL CHANCE FLOODPLAIN) BASED ON THE FEMA MAP NUMBER 3720184200L DATED APRIL , 2013.
- 3. ONSITE WETLANDS HAVE BEEN IDENTIFIED WITHIN THE PROJECT OR PARCEL AS SHOWN. WETLANDS INVESTIGATION PERFORMED BY CAROLINA ECOSYSTEMS IN SEPTEMBER 2019.
- 4. THIS DRAWING IS NOT FOR RECORDATION.

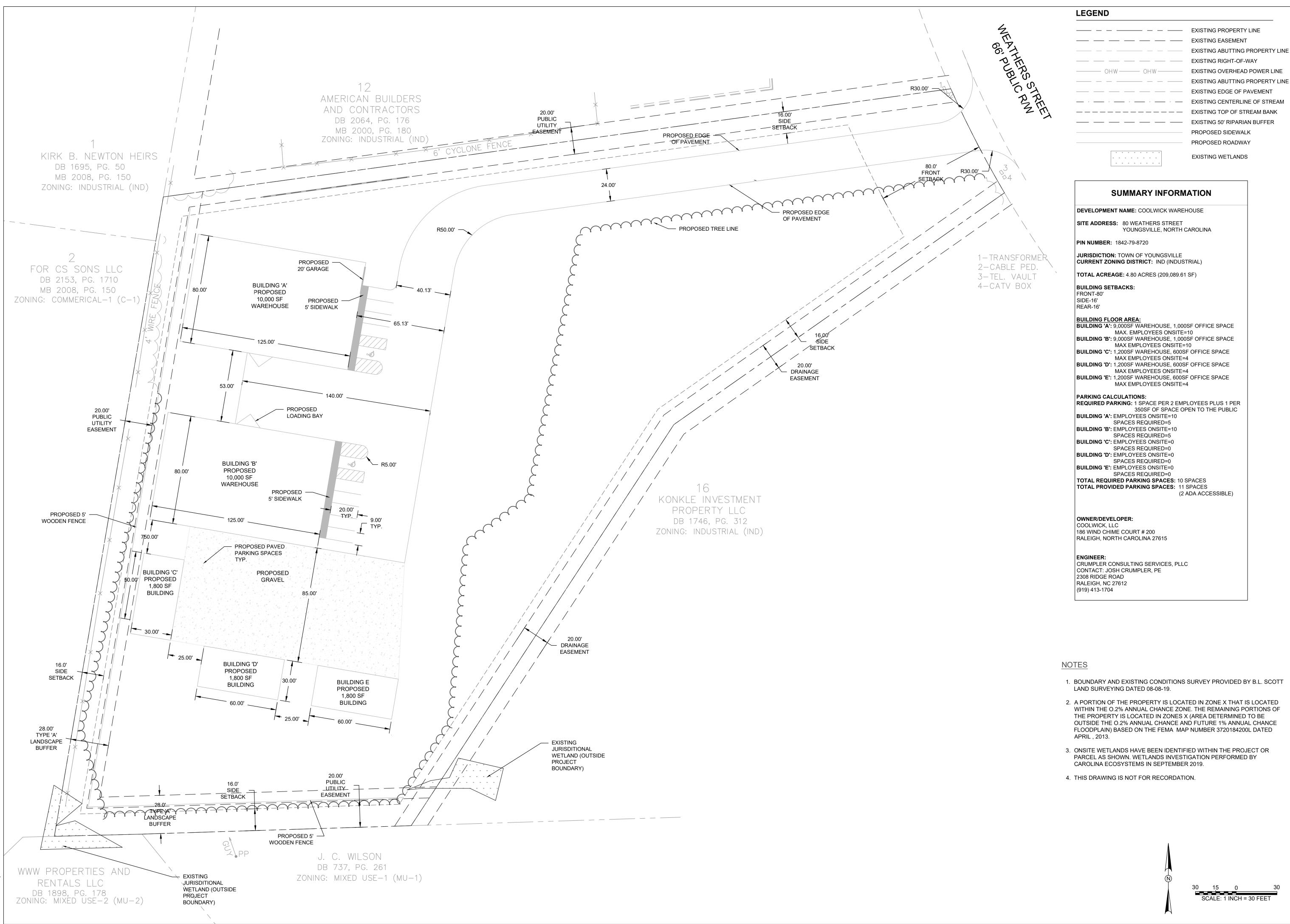
REV. DESCRIPTION   (ISTING CONDITIONS) P DESCRIPTION   COUNCK, LLC P P   80 WEATHERS STREET P P   OUNGSVILLE, NORTH CAROLINA P P	DATE				
STING CONDITIONS COOLWICK, LLC 80 WEATHERS STREET UNGSVILLE, NORTH CAROLINA	DESCRIPTION				
	REV.				
Ω ×		EXISTING CONDITIONS	COOLWICK, LLC	80 WEATHERS STREET	YOUNGSVILLE, NORTH CAROLINA



30

15

SCALE: 1 INCH = 30 FEET



r † 9 l 08 919 919 S *ittii*  $\mathbf{C}$ **1**C **ISSUED FOR** PERMITTING 

်

Ð

 $\sim$ 

ק פ כ

lge F Car 413-533

- 1. BOUNDARY AND EXISTING CONDITIONS SURVEY PROVIDED BY B.L. SCOTT
- WITHIN THE 0.2% ANNUAL CHANCE ZONE. THE REMAINING PORTIONS OF OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE 1% ANNUAL CHANCE

30

C-3 3 of 8

12/13/19

1" = 30'

PROJECT NO.: 19024

DRAWN BY: JAC

CHECKED BY: JAC

DATE:

SCALE:

LLC

COOLWICK,

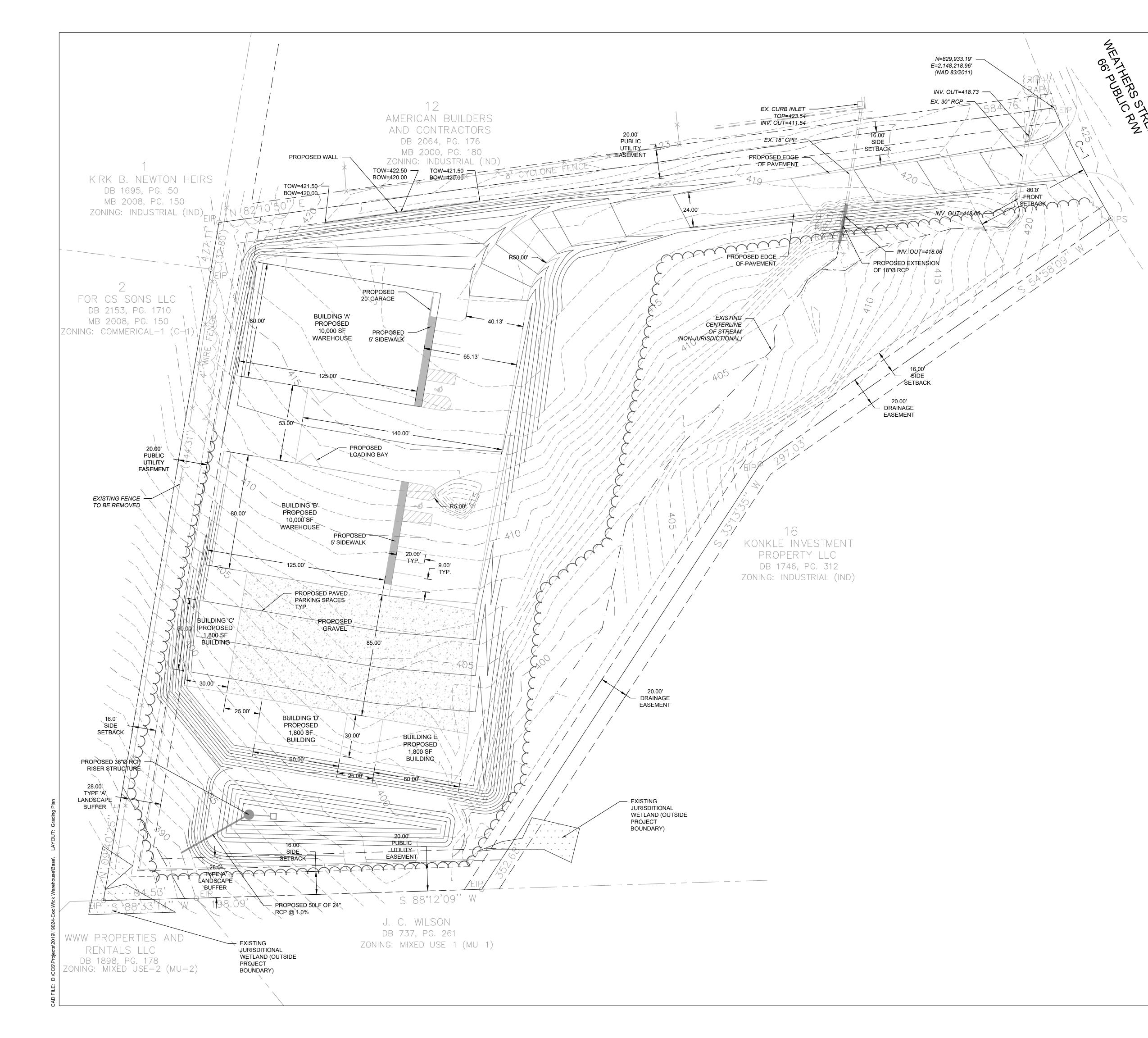
S R

HER:

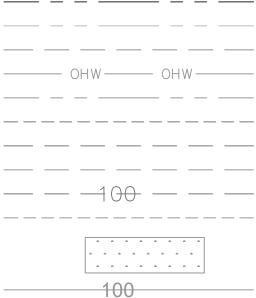
80 WEATH

PLAN

SITE



LEGEND



EXISTING ABUTTING PROPERTY LINE EXISTING RIGHT-OF-WAY EXISTING OVERHEAD POWER LINE EXISTING ABUTTING PROPERTY LINE EXISTING BUILDING SETBACK LINE EXISTING PARKING SETBACK LINE EXISTING EDGE OF PAVEMENT EXISTING CONTOUR MAJOR EXISTING CONTOUR MINOR EXISTING WETLANDS

> PROPOSED CONTOUR MAJOR PROPOSED CONTOUR MINOR PROPOSED SIDEWALK PROPOSED ROADWAY

#### NOTIFICATION OF COMBINED SELF-MONITORING AND **SELF-INSPECTION FORM:**

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TOOK EFFECT OCTOBER 1, 2010.

TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, DWQ AND DEMLR DEVELOPED A COMBINED FORM. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE FORM CAN BE ACCESSED AT: HTTP://PORTAL.NCDENR.ORG/WEB/LR/EROSION

IF YOU HAVE QUESTIONS OR CANNOT ACCESS THE FORM, PLEASE CONTACT THE WASHINGTON REGIONAL OFFICE AT (252)946-6481.

#### ADA NOTES

- 1. PROPOSED ADA PARKING AND STALL STRIPING SHALL HAVE SLOPES NO STEEPER THAN 1:48 (2%).
- 2. PROPOSED ACCESSIBLE ROUTE TO RIGHT-OF-WAY AND PROPOSED SIDEWALKS SHALL HAVE A RUNNING SLOPE NO STEEPER THAN 1:20 (5%) AND CROSS SLOPES NO STEEPER THAN 1:48 (2%).
- 3. RAMPS SHALL COMPLY WITH THE REQUIREMENTS OF 2012 NCSBC SECTION 1010.
- 4. HANDRAILS SHALL COMPLY WITH THE REQUIREMENTS OF 2012 NCSBC SECTION 1012.

#### NOTES

- 1. BOUNDARY AND EXISTING CONDITIONS SURVEY PROVIDED BY B.L. SCOTT LAND SURVEYING DATED 08-08-19.
- 2. A PORTION OF THE PROPERTY IS LOCATED IN ZONE X THAT IS LOCATED WITHIN THE 0.2% ANNUAL CHANCE ZONE. THE REMAINING PORTIONS OF THE PROPERTY IS LOCATED IN ZONES X (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE 1% ANNUAL CHANCE FLOODPLAIN) BASED ON THE FEMA MAP NUMBER 3720184200L DATED APRIL , 2013.
- 3. ONSITE WETLANDS HAVE BEEN IDENTIFIED WITHIN THE PROJECT OR PARCEL AS SHOWN. WETLANDS INVESTIGATION PERFORMED BY CAROLINA ECOSYSTEMS IN SEPTEMBER 2019.

30

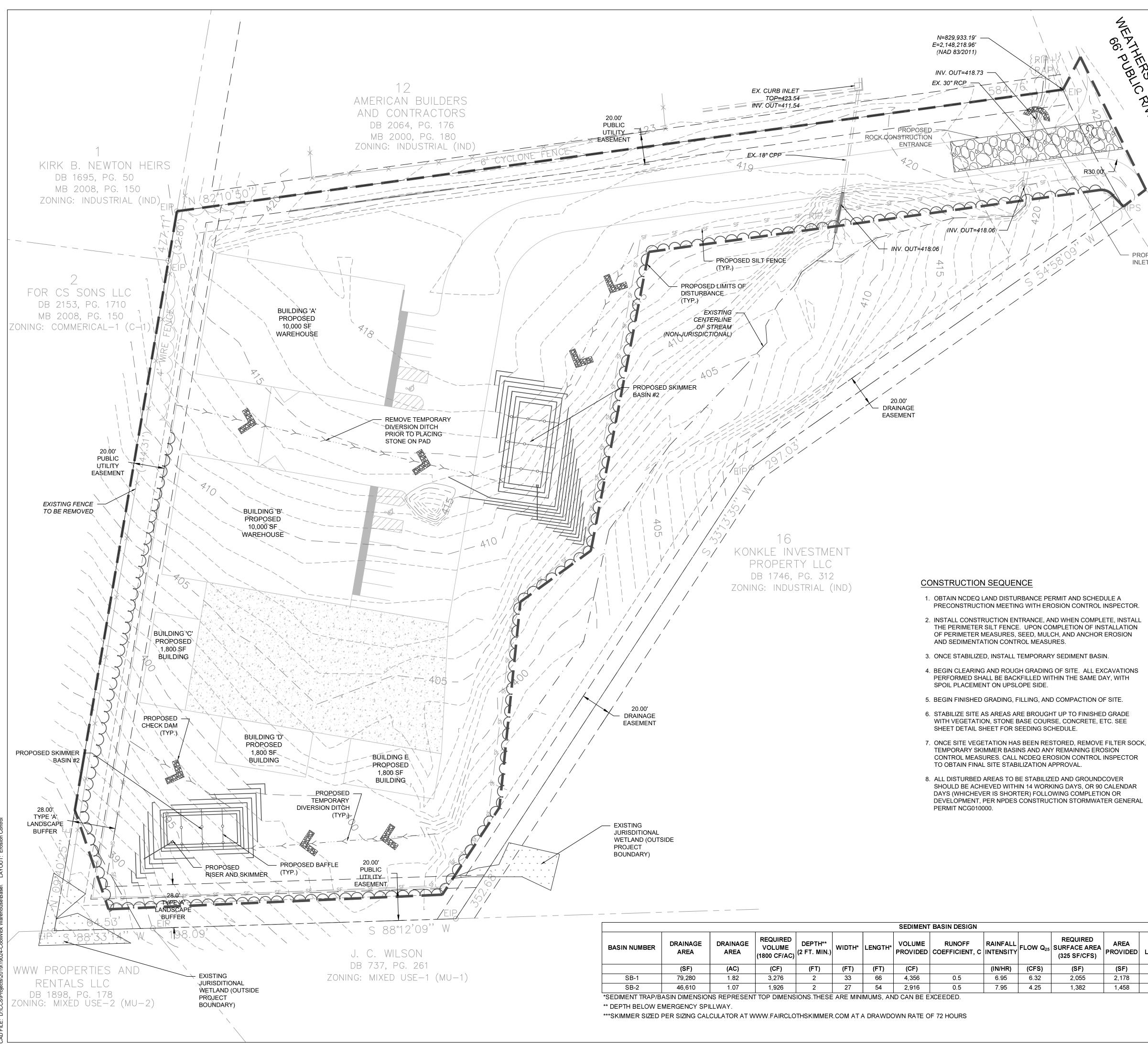
15

SCALE: 1 INCH = 30 FEET

4. THIS DRAWING IS NOT FOR RECORDATION.

	CRUMPLER	Consulting Services, PLLC	)	ZJUB Kidge Koad Raleigh, North Carolina 27612 Ph 919-413-1704	P-1533
		SUEI			
DATE					
DESCRIPTION					
REV.					
	<b>GRADING PLAN</b>		COULWICK, LLC	80 WEATHERS STREET	YOUNGSVILLE, NORTH CAROLINA
DRA	DJECT N WN BY CKED F E:	: BY:	JAC		
SCA	LE:	1" C-	' = 30	יכ	

4 of 8



							SEDIMENT	BASIN DESIGN								
BASIN NUMBER	DRAINAGE AREA	DRAINAGE AREA	REQUIRED VOLUME (1800 CF/AC)	DEPTH** (2 FT. MIN.)	WIDTH*	LENGTH*	VOLUME PROVIDED	RUNOFF COEFFICIENT, C	RAINFALL	FLOW Q <sub>25</sub>	REQUIRED SURFACE AREA (325 SF/CFS)	AREA PROVIDED	WEIR LENGTH	SIZE***		ORIFACE DIAMETER
	(SF)	(AC)	(CF)	(FT)	(FT)	(FT)	(CF)		(IN/HR)	(CFS)	(SF)	(SF)	(LF)	(IN)	(IN)	(IN)
SB-1	79,280	1.82	3,276	2	33	66	4,356	0.5	6.95	6.32	2,055	2,178	15	1.5	0.7	1.4
SB-2	46,610	1.07	1,926	2	27	54	2,916	0.5	7.95	4.25	1,382	1,458	15	1.5	0.6	1.1
*SEDIMENT TRAP/B	ASIN DIMENSION	NS REPRESEN	T TOP DIMENS	IONS THESE	ARE MIN	MUMS AN	JD CAN BE E	XCEEDED	•	•	•	<b>I</b>		•	•	



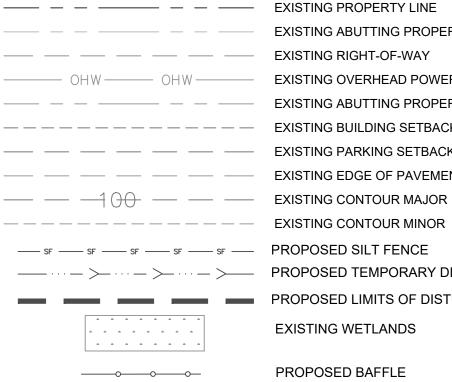
AN

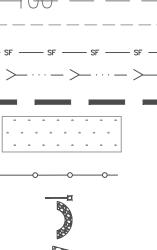
PUBI

R

PROPÓSED

INLET PROTECTION





----- PROPOSED TEMPORARY DIVERSION PROPOSED LIMITS OF DISTURBANCE **EXISTING WETLANDS** PROPOSED BAFFLE PROPOSED RISER AND SKIMMER PROPOSED HORSESHOE INLET PROTECTION

EXISTING ABUTTING PROPERTY LINE

EXISTING ABUTTING PROPERTY LINE

EXISTING OVERHEAD POWER LINE

EXISTING BUILDING SETBACK LINE

EXISTING PARKING SETBACK LINE

EXISTING EDGE OF PAVEMENT

EXISTING CONTOUR MAJOR

EXISTING RIGHT-OF-WAY

PROPOSED RIP RAP ENERGY DISSIPATER

NOTIFICATION OF COMBINED SELF-MONITORING AND **SELF-INSPECTION FORM:** 

THE SEDIMENTATION POLLUTION CONTROL ACT WAS AMENDED IN 2006 TO REQUIRE THAT PERSONS RESPONSIBLE FOR LAND-DISTURBING ACTIVITIES INSPECT A PROJECT AFTER EACH PHASE OF THE PROJECT TO MAKE SURE THAT THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN IS BEING FOLLOWED. RULES DETAILING THE DOCUMENTATION OF THESE INSPECTIONS TOOK EFFECT OCTOBER 1, 2010.

TO SIMPLIFY DOCUMENTATION OF SELF-INSPECTION REPORTS AND NPDES SELF-MONITORING REPORTS, DWQ AND DEMLR DEVELOPED A COMBINED FORM. THE SELF-INSPECTION PROGRAM IS SEPARATE FROM THE WEEKLY SELF-MONITORING PROGRAM OF THE NPDES STORMWATER PERMIT FOR CONSTRUCTION ACTIVITIES. THE FOCUS OF THE SELF-INSPECTION REPORT IS THE INSTALLATION AND MAINTENANCE OF EROSION AND SEDIMENTATION CONTROL MEASURES ACCORDING TO THE APPROVED PLAN. THE INSPECTIONS SHOULD BE CONDUCTED AFTER EACH PHASE OF THE PROJECT, AND CONTINUED UNTIL PERMANENT GROUND COVER IS ESTABLISHED. THE FORM CAN BE ACCESSED AT: HTTP://PORTAL.NCDENR.ORG/WEB/LR/EROSION

IF YOU HAVE QUESTIONS OR CANNOT ACCESS THE FORM, PLEASE CONTACT THE WASHINGTON REGIONAL OFFICE AT (252)946-6481.

#### ADA NOTES

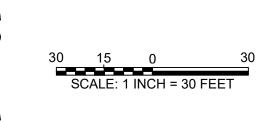
- 1. PROPOSED ADA PARKING AND STALL STRIPING SHALL HAVE SLOPES NO STEEPER THAN 1:48 (2%).
- 2. PROPOSED ACCESSIBLE ROUTE TO RIGHT-OF-WAY AND PROPOSED SIDEWALKS SHALL HAVE A RUNNING SLOPE NO STEEPER THAN 1:20 (5%) AND CROSS SLOPES NO STEEPER THAN 1:48 (2%).
- 3. RAMPS SHALL COMPLY WITH THE REQUIREMENTS OF 2012 NCSBC SECTION 1010.
- 4. HANDRAILS SHALL COMPLY WITH THE REQUIREMENTS OF 2012 NCSBC SECTION 1012.

#### NOTES

- 1. BOUNDARY AND EXISTING CONDITIONS SURVEY PROVIDED BY B.L. SCOTT LAND SURVEYING DATED 08-08-19.
- 2. A PORTION OF THE PROPERTY IS LOCATED IN ZONE X THAT IS LOCATED WITHIN THE 0.2% ANNUAL CHANCE ZONE. THE REMAINING PORTIONS OF THE PROPERTY IS LOCATED IN ZONES X (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE AND FUTURE 1% ANNUAL CHANCE FLOODPLAIN) BASED ON THE FEMA MAP NUMBER 3720184200L DATED APRIL , 2013.
- 3. ONSITE WETLANDS HAVE BEEN IDENTIFIED WITHIN THE PROJECT OR PARCEL AS SHOWN. WETLANDS INVESTIGATION PERFORMED BY CAROLINA ECOSYSTEMS IN SEPTEMBER 2019.
- 4. THIS DRAWING IS NOT FOR RECORDATION.

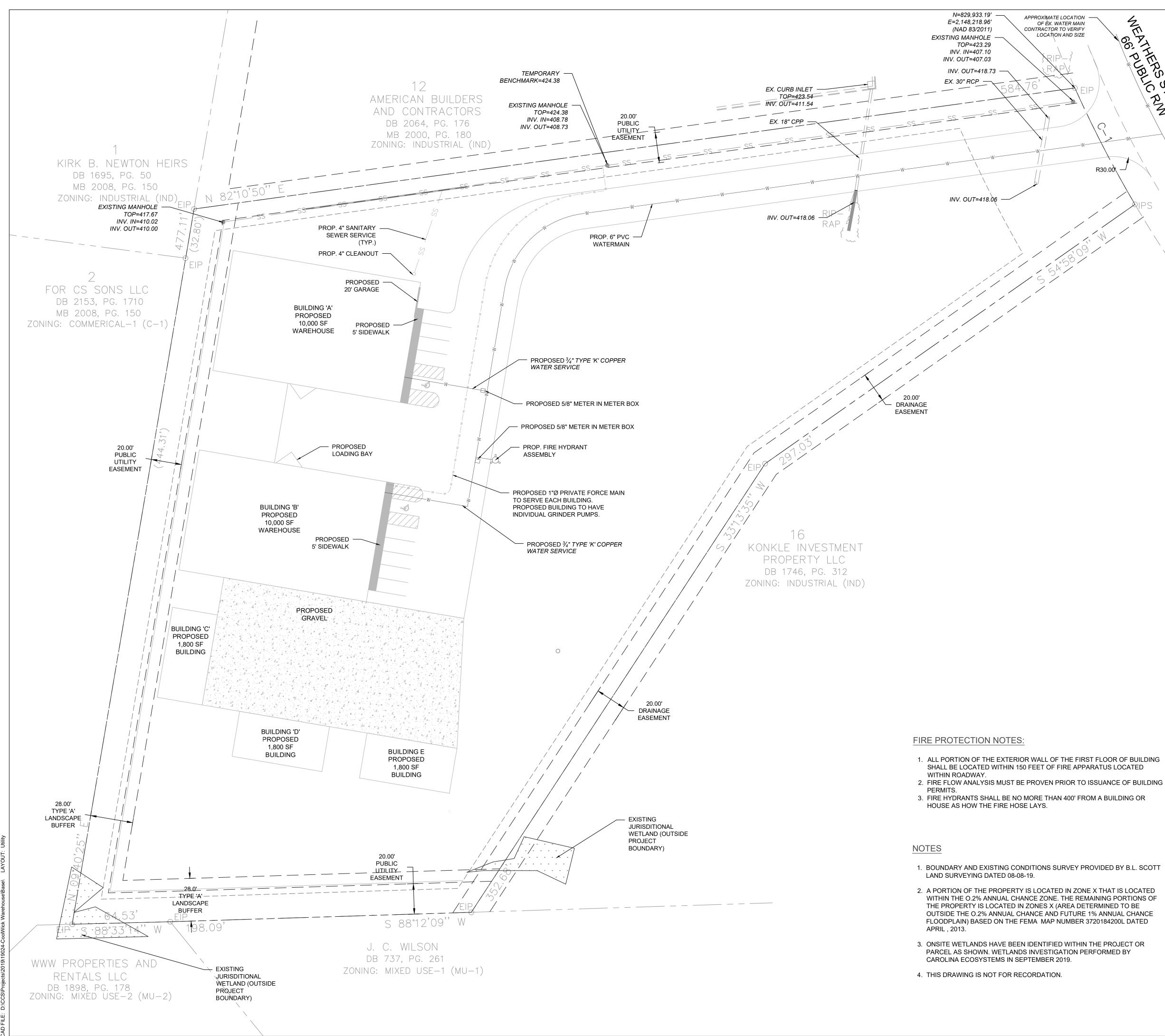
#### **EROSION CONTROL NOTES**

- 1. ALL LAND DISTURBING ACTIVITIES SHALL BE CONDUCTED IN ACCORDANCE WITH JOHNSTON COUNTY EROSION CONTROL STANDARDS.
- 2. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE MAINTAINED IN PROPER WORKING CONDITION DURING THE PERIOD OF CONSTRUCTION.
- 3. ADDITIONAL EROSION CONTROL MEASURES AND/OR MODIFICATIONS TO PROPOSED MEASURES MAY BE NECESSARY DEPENDING ON ACTUAL SITE CONDITIONS.
- 4. THE TOTAL DISTURBED AREA IS 2.860 ACRES.
- 5. SEE DETAIL SHEETS FOR EROSION CONTROL MEASURE DETAILS.
- 6. ALL SLOPES ON TEMPORARY SKIMMER BASINS SHALL BE BLANKET WITH NAG C125BN EROSION CONTROL BLANKET OR APPROVED EQUAL.



	CRUMPLER	Consulting Services, PLLC	2.308 Ridge Road	Raleigh, North Carolina 27612 Ph 919-413-1704	P-1533
DATE		SUEI			
DESCRIPTION					
REV.					
	EROSION CONTROL PLAN		COULWICK, LLC	80 WEATHERS STREET	YOUNGSVILLE, NORTH CAROLINA

PROJECT NO.:	19024				
DRAWN BY:	JAC				
CHECKED BY:	JAC				
DATE: 10	)/10/19				
SCALE: 1"	= 30'				
C-5					



LEGEND

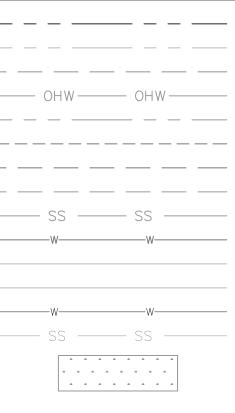
NE

R30.00

UP FS

50

RINKE



EXISTING PROPERTY LINE EXISTING ABUTTING PROPERTY LINE EXISTING RIGHT-OF-WAY EXISTING OVERHEAD POWER LINE EXISTING ABUTTING PROPERTY LINE EXISTING BUILDING SETBACK LINE EXISTING PARKING SETBACK LINE EXISTING EDGE OF PAVEMENT EXISTING SANITARY SEWER EXISTING WATER LINE PROPOSED SIDEWALK PROPOSED ROADWAY PROPOSED WATERLINE PROPOSED SEWER SERVICE

EXISTING WETLANDS

# $\mathbf{C}$ $\mathbf{U}$ **(**) 533 533 ٦ ٻ ٻ ٻ

## FRANKLIN COUNTY UTILITY NOTES

- 1. ALL MATERIALS & CONSTRUCTION METHODS SHALL BE IN ACCORDANCE WITH FRANKLIN COUNTY DESIGN STANDARDS, DETAILS & SPECIFICATIONS (REFERENCE: CORPUD HANDBOOK, CURRENT EDITION)
- 2. UTILITY SEPARATION REQUIREMENTS:
- a. A DISTANCE OF 100' SHALL BE MAINTAINED BETWEEN SANITARY SEWER & ANY PRIVATE OR PUBLIC WATER SUPPLY SOURCE SUCH AS AN IMPOUNDED RESERVOIR USED AS A SOURCE OF DRINKING WATER. IF ADEQUATE LATERAL SEPARATION CANNOT BE ACHIEVED, FERROUS SANITARY SEWER PIPE SHALL BE SPECIFIED & INSTALLED TO WATERLINE

SPECIFICATIONS. HOWEVER, THE MINIMUM SEPARATION SHALL NOT BE LESS THAN 25' FROM A PRIVATE WELL OR 50' FROM A PUBLIC WELL.

- b. WHEN INSTALLING WATER &OR SEWER MAINS, THE HORIZONTAL SEPARATION BETWEEN UTILITIES SHALL BE 10'. IF THIS SEPARATION CANNOT BE MAINTAINED DUE TO EXISTING CONDITIONS, THE VARIATION ALLOWED IS THE WATER MAIN IN A SEPARATE TRENCH WITH THE ELEVATION OF THE WATER MAIN AT LEAST 18" ABOVE THE TOP OF THE SEWER & MUST BE APPROVED BY THE PUBLIC UTILITIES DIRECTOR. ALL DISTANCES ARE MEASURED FROM OUTSIDE DIAMETER TO OUTSIDE DIAMETER.
- c. WHERE IT IS IMPOSSIBLE TO OBTAIN PROPER SEPARATION. OR ANYTIME A SANITARY SEWER PASSES OVER A WATERMAIN. DIP MATERIALS OR STEEL ENCASEMENT EXTENDED 10' ON EACH SIDE OF CROSSING MUST BE SPECIFIED & INSTALLED TO WATERLINE SPECIFICATIONS.
- d. 5.0' MINIMUM HORIZONTAL SEPARATION IS REQUIRED BETWEEN ALL SANITARY SEWER & STORM SEWER FACILITIES, UNLESS DIP MATERIAL IS SPECIFIED FOR SANITARY SEWER e. MAINTAIN 18" MIN. VERTICAL SEPARATION AT ALL
- WATERMAIN & RCP STORM DRAIN CROSSINGS; MAINTAIN 24" MIN. VERTICAL SEPARATION AT ALL SANITARY SEWER & RCP STORM DRAIN CROSSINGS. WHERE ADEQUATE SEPARATIONS CANNOT BE ACHIEVED, SPECIFY DIP MATERIALS & A CONCRETE CRADLE
- HAVING 6" MIN. CLEARANCE (PER CORPUD DETAILS W-41 & S-49) f. ALL OTHER UNDERGROUND UTILITIES SHALL CROSS WATER & SEWER FACILITIES WITH 18" MIN. VERTICAL SEPARATION REQUIRED.
- 3. ANY NECESSARY FIELD REVISIONS ARE SUBJECT TO REVIEW & APPROVAL OF AN AMENDED PLAN &/OR PROFILE BY THE FRANKLIN COUNTY PUBLIC UTILITIES DEPARTMENT PRIOR TO CONSTRUCTION.
- 4. CONTRACTOR SHALL MAINTAIN CONTINUOUS WATER & SEWER SERVICE TO EXISTING RESIDENCES & BUSINESSES THROUGHOUT CONSTRUCTION OF PROJECT. ANY NECESSARY SERVICE INTERRUPTIONS SHALL BE PRECEDED BY A 24 HOUR ADVANCE NOTICE TO THE FRANKLIN COUNTY PUBLIC UTILITIES DEPARTMENT.
- 5. 3.0' MINIMUM COVER IS REQUIRED ON ALL WATER MAINS & SEWER FORCEMAINS. 4.0' MINIMUM COVER IS REQUIRED ON ALL REUSE MAINS.
- 6. ABANDON AND REMOVE EXISTING WATER AND SEWER SERVICES NOT BEING USED IN REDEVELOPMENT OF SITE AS DIRECTED BY THE FRANKLIN COUNTY PUBLIC UTILITIES DEPARTMENT. THIS INCLUDES ABANDONING TAP AT MAIN & REMOVAL OF SERVICE FROM ROW OR EASEMENT PER CORPUD HANDBOOK PROCEDURE.
- 7. INSTALL 3/4" COPPER WATER SERVICES WITH METERS LOCATED AT ROW OR WITHIN A 2'X2' WATERLINE EASEMENT IMMEDIATELY ADJACENT. NOTE: IT IS THE APPLICANT'S RESPONSIBILITY TO PROPERLY SIZE THE WATER SERVICE FOR EACH CONNECTION TO PROVIDE ADEQUATE FLOW & PRESSURE.
- 8. INSTALL 4" PVC SEWER SERVICES @ 1.0% MINIMUM GRADE WITH CLEANOUTS LOCATED AT ROW OR EASEMENT LINE & SPACED EVERY 75 LINEAR FEET MAXIMUM.
- 9. PRESSURE REDUCING VALVES ARE REQUIRED ON ALL WATER SERVICES EXCEEDING 80 PSI; BACKWATER VALVES ARE REQUIRED ON ALL SANITARY SEWER SERVICES HAVING BUILDING DRAINS LOWER THAN 1.0' ABOVE THE NEXT UPSTREAM MANHOLE.
- 10. ALL ENVIRONMENTAL PERMITS APPLICABLE TO THE PROJECT MUST BE OBTAINED FROM NCDWQ, USACE &/OR FEMA FOR ANY RIPARIAN BUFFER, WETLAND &/OR FLOODPLAIN IMPACTS (RESPECTIVELY) PRIOR TO CONSTRUCTION.
- 11. NCDOT / RAILROAD ENCROACHMENT AGREEMENTS ARE REQUIRED FOR ANY UTILITY WORK (INCLUDING MAIN EXTENSIONS & SERVICE TAPS) WITHIN STATE OR RAILROAD ROW PRIOR TO CONSTRUCTION.

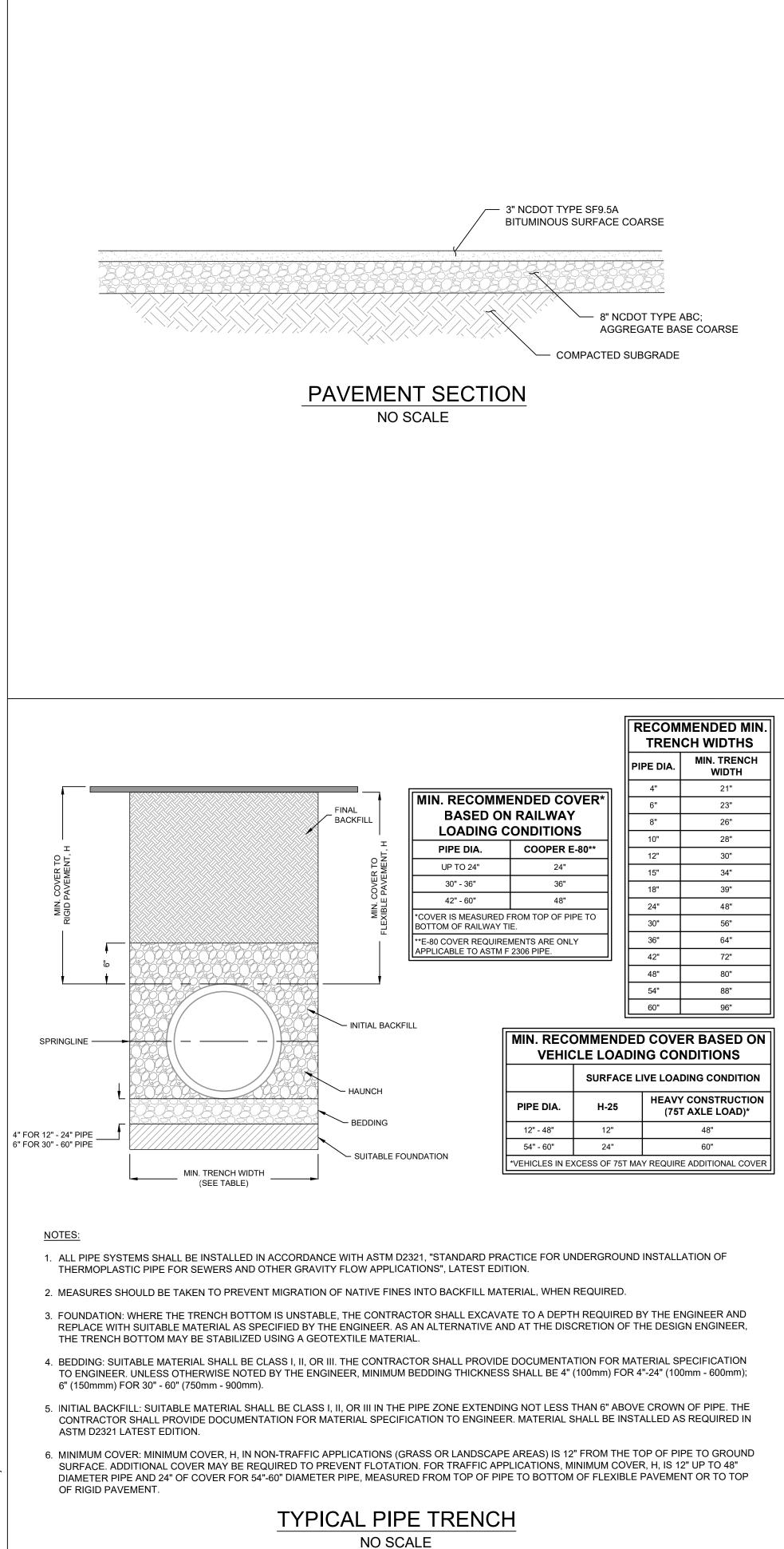
SCALE: 1 INCH = 30 FEET

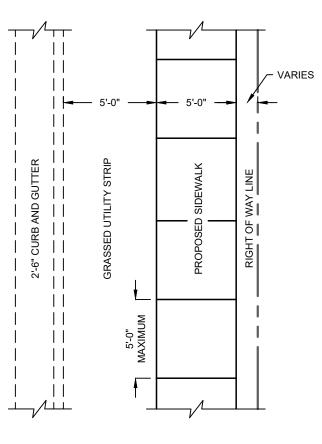
	CRU	Consultin	 Raleiç	
		SUEI RMI		
DATE				
DESCRIPTION				
REV.				
			80 WEATHERS STREET	GSVILLE, NORTH CAROLINA

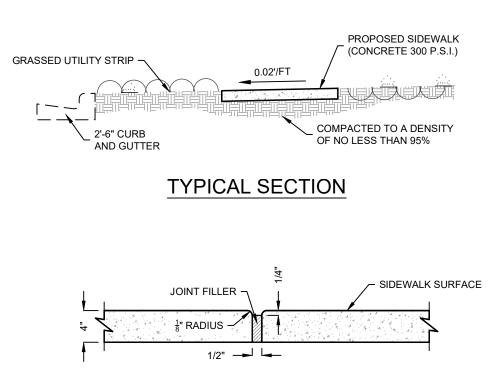
PROJECT NO.:	19024					
DRAWN BY:	JAC					
CHECKED BY:	JAC					
DATE: 1	0/10/19					
SCALE: 1	l" = 30'					
C-6						

6 of 8

COOI







## TRANSVERSE EXPANSION JOINT

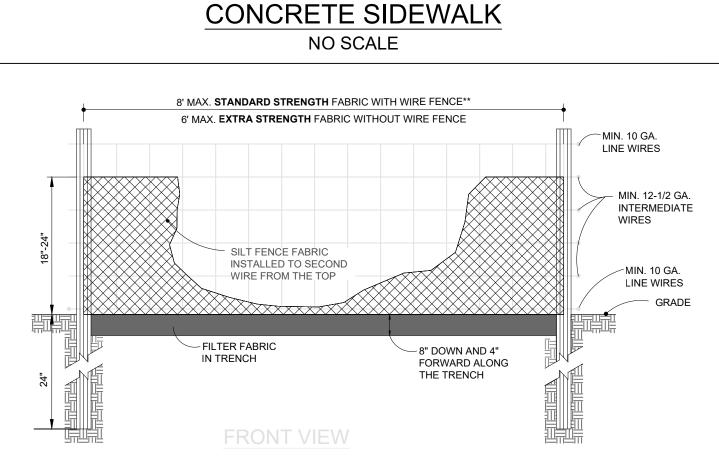
PLAN VIEW

#### NOTES:

1. TRANSVERSE EXPANSION JOINTS TO BE A MAXIMUM OF 50 FEET.

2. ALL CONCRETE TO BE FINISHED WITH CURING COMPOUND.

3. A 6 INCH DEPTH IS REQUIRED AT LOCATIONS OF DRIVEWAY CROSSINGS, AT STREET INTERSECTIONS (ALONG THE LENGTH OF RADIUS CURB RETURNS), AND IN THE HANDICAP RAMPS.

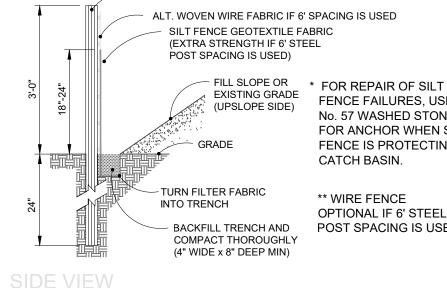


#### NOTES:

- 1. USE SILT FENCE ONLY WHEN DRAINAGE AREA DOES NOT EXCEED 1/4 ACRE AND NEVER IN AREAS OF CONCENTRATED FLOW.
- 2. END OF SILT FENCE NEEDS TO BE TURNED UPHILL.
- 3. INSPECT SILT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL. MAKE ANY REQUIRED REPAIRS IMMEDIATELY.
- 4. REMOVE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT.
- 5. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.

#### MAINTENANCE:

INSPECT SEDIMENT FENCES AT LEAST ONCE A WEEK AND AFTER EACH RAINFALL EVENT, MAKE ANY REQUIRED REPAIRS IMMEDIATELY. SHOULD THE FABRIC OF A SEDIMENT FENCE COLLAPSE, TEAR, DECOMPOSE, OR BECOME INEFFECTIVE, REPLACE IT PROMPTLY. REMOVE THE SEDIMENT DEPOSITS AS NECESSARY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND TO REDUCE PRESSURE ON THE FENCE. TAKE CARE TO AVOID UNDERMINING THE FENCE DURING CLEANOUT. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AND BRING THE AREA TO GRADE AND STABILIZE IT AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



STEEL POST

FENCE FAILURES, USE No. 57 WASHED STONE. FOR ANCHOR WHEN SILT FENCE IS PROTECTING

\*\* WIRE FENCE **OPTIONAL IF 6' STEEL** POST SPACING IS USED

# **ISOMETRIC VIEW** CONSTRUCT ROUNDED CORNERS DETECTABLE WARNING SURFACE - <sup>1</sup>/<sub>2</sub>" EXPANSION JOINT

DETECTABLE

WARNING -

SURFACE

#### NOTES:

# \*NURSE CROP/TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR

- SEEDBED PREPARATION: ADVERSE SOIL CONDITIONS, IF AVAILABLE.
- 2. RIP THE ENTIRE AREA TO SIX INCHES DEEP.
- SURFACE REASONABLY SMOOTH AND UNIFORM.
- AND MIX WITH SOIL (\*SEE BELOW).
- 5. CONTINUE TILLAGE UNTIL A WELL-PULVERIZED, FIRM REASONABLY UNIFORM SEEDBED IS PREPARED FOUR TO SIX INCHES DEEP.
- SEEDING EQUIPMENT OR CULTIPACK AFTER SEEDING.
- 7. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH. 8. INSPECT ALL SEEDED AREAS AND MAKE NECESSARY REPAIRS OR RESEEDINGS WITHIN THE PLANTING SEASON, IF POSSIBLE. IF STAND SHOULD

#### \*APPI Y a. AGRICULTURAL LIMESTONE

- b. FERTILIZER 10-10-10 ANALYSIS @ 900 LBS/ACRE c. SUPERPHOSPHATE - 500 LBS/ACRE OF 20% ANALYSIS d. MULCH - 2 TONS (+/- 80 BALES) STRAW/ACRE
- e. ANCHOR USE LIQUID ASPHALT @ 400 GALS/ACRE OR EMULSIFIED ASPHALT @ 300 GALS/ACRE
  - OR WOOD & PAPER FIBER HYDROMULCHES @ 125-175 LBS/ACRE OR GUAR AND STARCH BASED TACKIFIERS @ 100-200 LBS/ACRE OR CRIMPING/PUNCHING W/ BLADES SPACES @ MAXIMUM 8"

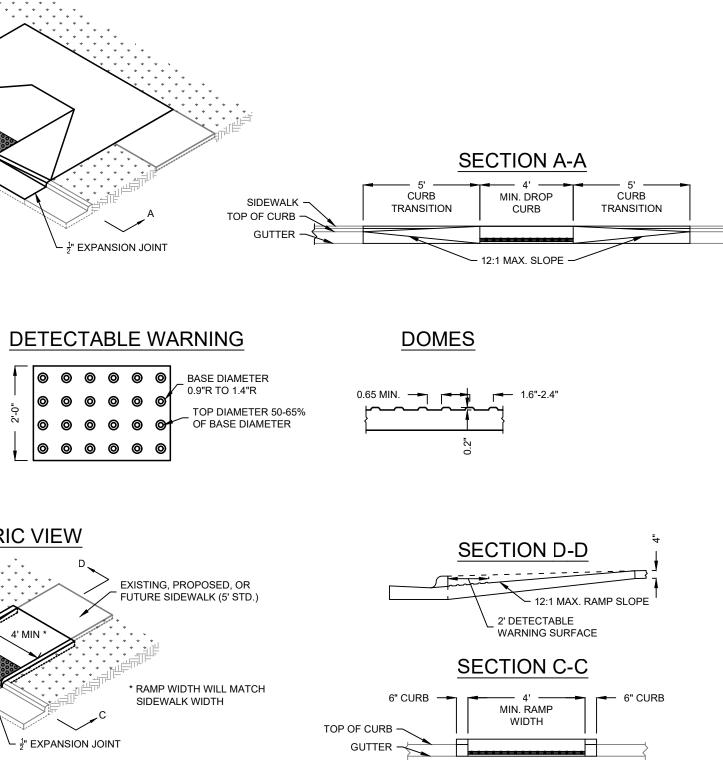
## PERMANENT SEEDING ·

DATE	<u>TYPE</u>	
AUG. 15- NOV. 1 - MAR. 1 -	NOV. 1 MAR.1 APR. 15	TALL FES TALL FES AND A TALL FES
APR. 15–	JUN. 30	HULLED C

#### PERMANENT SEEDING -<u>SLOPES (3:1 TO 2:1)</u>

AUG.	15-NOV.1	TALL FES
NOV.	1-MAR.1	AND TALL FES AND
MAR.	1–JUNE 1	AND TALL FES
MAR.	15-JUNE 30	AND WEEPING AND
MAR.	15-JUNE 30	=
		TEMPORARY SE
JUNE	1-SEPT. 1	TALL FES

**TEMPORARY SILT FENCE** NO SCALE



1. RAMPS WITH FLARED SIDES WILL BE USED WHEN NEEDED FOR PEDESTRIAN CIRCULATION (SEE DETAIL ABOVE).

2. RAMPS WITH RETURNED CURB WILL BE USED WHEN FLARED SIDES ARE NOT NEEDED FOR PEDESTRIAN CIRCULATION (SEE DETAIL BELOW).

3. DETECTABLE WARNING DOMES WILL COVER 2'-0" LENGTH AND FULL WIDTH OF THE RAMP FLOOR.

4. DETECTABLE WARNING DOMES WILL CONTRAST VISIBILITY WITH ADJOINING SURFACE, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT SEQUENCE.

## CURB RAMP NO SCALE

#### CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE.

#### DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

1. CHISEL COMPACTED AREAS AND SPREAD TOPSOIL THREE INCHES DEEP OVER

- 3. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING
- 4. APPLY AGRICULTURAL LIME, FERTILIZER AN SUPERPHOSPHATE UNIFORMLY

6. SEED ON A FRESHLY PREPARED SEEDBED AND COVER SEED LIGHTLY WITH

BE OVER 60% DAMAGED, RE-ESTABLISH FOLLOWING THE ORIGINAL LIME, FERTILIZER AND SEEDING RATES.

a.a. LIGHT TEXTURED, SANDY SOILS: 1 - 1.5 TONS/ACRE, OR PER SOIL TEST a.b. HEAVY TEXTURED, CLAYEY SOILS: 2 - 3 TONS/ACRE, OR PER SOIL TEST

SHOULDERS, SIDE DITCHES, SLOPES (MAX. 3:1)

ABRUZZI RYE \*(NURSE CROP) COMMON BERMUDAGRASS

SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED) SCUE D SERICEA LESPEDEZA (UNHULLED, UNSCARIFIED) ABRUZZI RYE SCUE

) SERICEA LESPEDEZA (SCARIFIED) G LOVEGRASS ) SERICEA LESPEDEZA (SCARIFIED) ) COMMON BERMUDAGRASS ) SERICEA LESPEDEZA (SCARIFIED)

EEDING AND BROWNTOP MILLET \*(NURSE CROP) OR SORGHUM-SUDAN HYBRIDS \*(NURSÉ CROP)

CONSULT CONSERVATION ENGINEER OR SOIL CONSERVATION SERVICE FOR ADDITIONAL INFORMATION CONCERNING OTHER ALTERNATIVES FOR VEGETATION OF DENUDED AREAS. THE ABOVE VEGETATION RATES ARE THOSE WHICH DO WELL UNDER LOCAL CONDITIONS; OTHER SEEDING RATE COMBINATIONS ARE POSSIBLE. \*NURSE CROP/TEMPORARY - RESEED ACCORDING TO OPTIMUM SEASON FOR DESIRED PERMANENT VEGETATION. DO NOT ALLOW TEMPORARY COVER TO GROW OVER 12" IN HEIGHT BEFORE MOWING, OTHERWISE FESCUE MAY BE SHADED OUT.

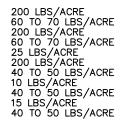
> SEEDING SCHEDULE NO SCALE

## **GROUND STABILIZATION (DWQ)**

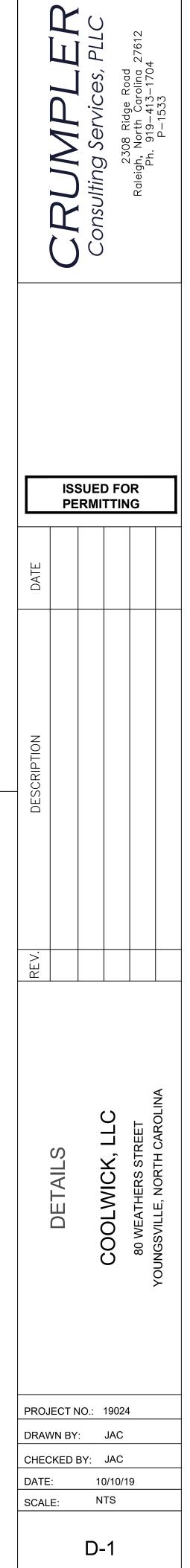
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	EXCEPTIONS
PERIMETER DIKES SWALES, DITCHES, AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NO STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	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)

	•••		•~~	 _	~

PLANTING RATE 200 LBS./ACRE 200 LBS./ACRE 25 LBS./ACRE 200 LBS./ACRE 15 LBS./ACRE







7 of 8

