

SEDIMENTATION and EROSION CONTROL PLAN FOR
1008 PENDER STREET S

Concrete Removal and Revegetation

Wilson Township

Wilson County, North Carolina

DEVELOPER:

CITY OF WILSON

PO BOX 10

WILSON, NC 27893

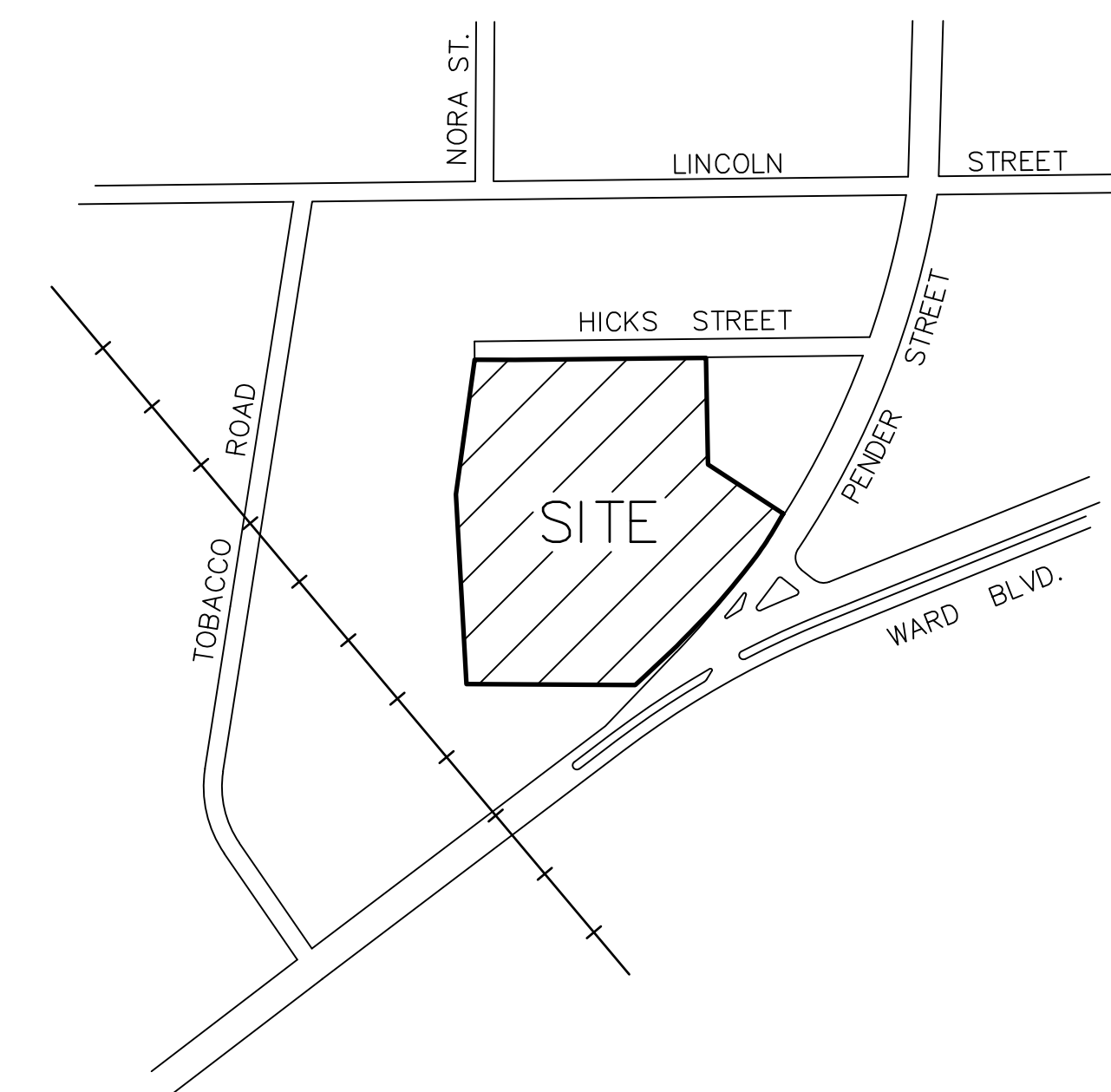
POC: JONATHAN R. ROGERS

EMAIL: JRROGERS@WILSONNC.ORG

TELE: (252) 399-2216

SHEET INDEX

EX1	EXISTING CONDITIONS/DEMOLITION PLAN
SE1	S&E PLAN - PHASE 1
SE2	S&E PLAN - PHASE 2
SE3	S&E PLAN - PHASE 3
SE4	S&E PLAN - PHASE 4
DT1	S&E DETAILS
DT2	NCG01 DETAILS



LOCATION MAP
NO SCALE

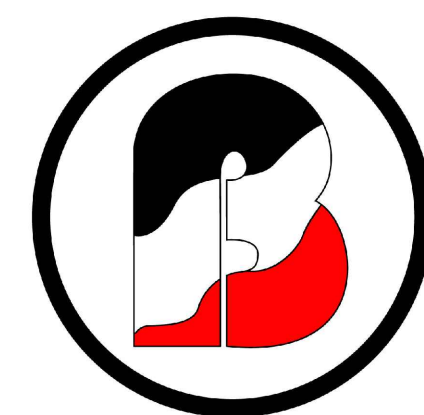
PREPARED BY:

BARTLETT ENGINEERING & SURVEYING, PC

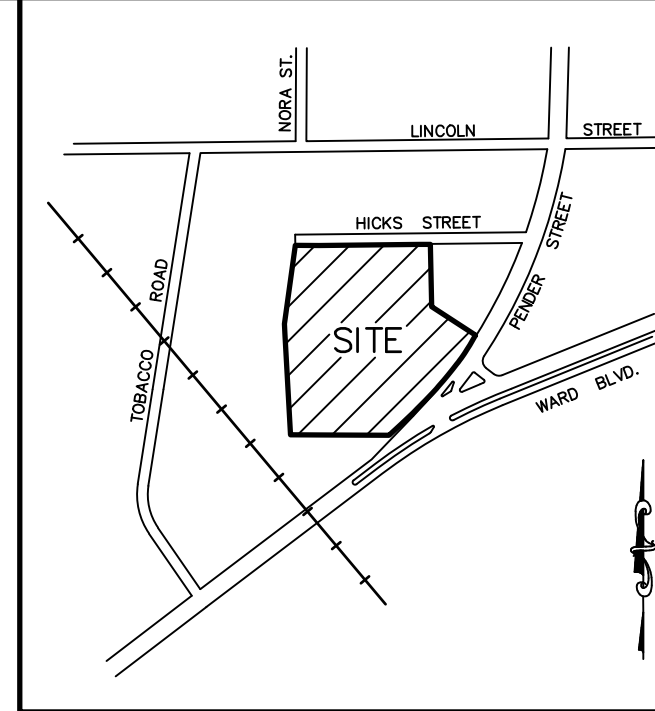
1906 NASH STREET NORTH

WILSON, NORTH CAROLINA 27893-1726

TELE: (252) 399-0704



REVISION: NCDEQ COMMENTS 10 NOV 2022



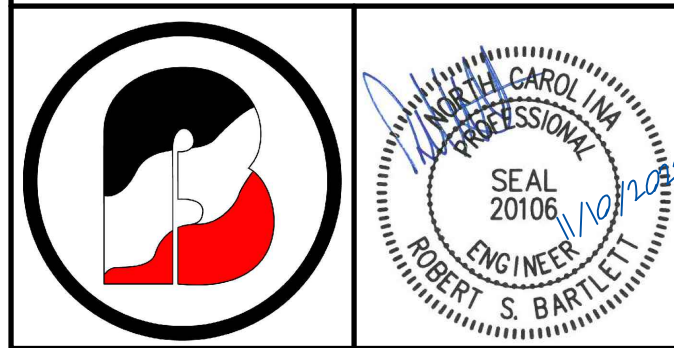
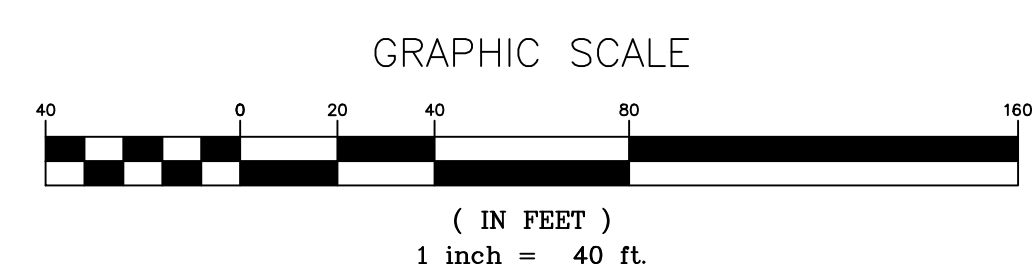
LOCATION MAP
NOT TO SCALE

- NOTES:**
- AREAS COMPUTED BY COORDINATE CALCULATIONS.
 - NO GRID MONUMENT FOUND WITHIN 2000'.
 - ALL DISTANCES SHOWN ARE HORIZONTAL UNLESS NOTED OTHERWISE.
 - ALL RIGHTS-OF-WAY ARE PUBLIC UNLESS NOTED OTHERWISE.
 - WETLANDS, IF ANY, HAVE NOT BEEN DELINEATED. 401/404 PERMITS NOT REQUIRED.
 - THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA.
 - THIS PROPERTY IS NOT LOCATED IN A PROTECTED WATERSHED AREA.
 - THERE ARE NO CEMETERIES VISIBLE.
 - THIS PROPERTY IS SUBJECT TO ALL RIGHTS-OF-WAY, EASEMENTS, RESTRICTIVE COVENANTS AND ORDINANCES.
 - A TITLE REPORT HAS HAS NOT X BEEN SUPPLIED FOR THIS PROPERTY.

SITE DATA:

TOTAL LOT AREA:	4.4 ACRES
TOTAL # LOTS:	1
ZONING:	LI
MIN. BLDG. LINES:	FRONT 0' SIDE 0' REAR 0'
PARCEL ID No.:	3721-44-2912
PROPERTY ADDRESS:	1008 PENDER ST S
CITY:	WILSON
STATE:	NC
ZIP:	27893
REFERENCES:	DEED BOOK 2880 PAGE 330

BARTLETT ENGINEERING & SURVEYING, PC HAS NOT CONDUCTED A SURVEY OF THIS PROPERTY. BOUNDARY IS PER DEED REFERENCE. TOPO/CONTOURS ARE FROM GIS.



BARTLETT
ENGINEERING & SURVEYING, PC

1906 NASH STREET NORTH
WILSON, N.C. 27893-1726
License No. C-1551

TELE: (252) 399-0704
FAX: (252) 399-0804
www.bartletteng.com

EXISTING CONDITIONS/
DEMOLITION PLAN

1008 PENDER STREET

CONCRETE REMOVAL AND REVEGETATION

DATE:	NOV 2022
SCALE(HORZ):	1" = 40'
SCALE(VERT):	N/A
REVISIONS:	NCDEQ COMMENTS 10 NOV 2022

PROJECT:	22-525
CLIENT CODE:	WC
CADFILE:	22525SE2
FIELD BOOK:	N/A
DRAWN BY:	LR, DV
SURVEY BY:	N/A

CITY OF WILSON	WILSON COUNTY
NORTH CAROLINA	ZONE: LI
PIN # 3721-44-2912	SHEET EX1

P:\CAD\CADD\PROJECTS\WC\22525\DWG\22525SE2.dwg, Nov 10, 2022 11:56AM EST

PROJECT DISTURBED AREA = 3.7± ACRES
 PHASE DISTURBED AREA = 0.96± ACRES

CONSTRUCTION SEQUENCE (PHASE 1):

1. EROSION AND SEDIMENT CONTROL (E&SC) PERMIT AND CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES OCCUR. NO WORK TO BE DONE ON SITE UNTIL THE SEDIMENTATION AND EROSION CONTROL PLAN HAS BEEN APPROVED AND PERMIT ACQUIRED. NOTIFY NCDEQ AT LEAST 48 HOURS PRIOR TO COMMENCING THE LAND DISTURBING ACTIVITY. MAINTAIN ON SITE A RAIN GAUGE, RECORDS, COPY OF THE PERMIT AND SEDIMENT & EROSION CONTROL PLANS.
2. PHASE CONSTRUCTION TO LIMIT TIME OF EXPOSURE AND PROVIDE GROUND COVER UNDER GUIDELINES OF THE E&SC PERMIT.
3. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE ACCORDING TO PLANS.
4. CONTRACTOR TO CONTACT NCDEQ AT PHONE NUMBER (919) 791-4200 FOR A COMPLIANCE WALK-THROUGH BEFORE REMOVING EXISTING CONCRETE.
5. SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVERY RAIN EVENT OF GREATER THAN 1 INCH. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL E&SC MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT SITE FOR MONITORING.
6. PROVIDE TEMPORARY SEEDING AND STABILIZE ALL AREAS TO BE REVEGETATED.
7. ALL APPLICABLE E&S CONTROL MEASURES ARE TO REMAIN AND BE PROPERLY MAINTAINED UNTIL A VIGOROUS STAND OF PERMANENT VEGETATION IS ESTABLISHED AT THE END OF THE CONSTRUCTION OF THE PROJECT.
8. WHEN ALL UPLAND AREAS HAVE BEEN STABILIZED, REMOVE TEMPORARY MEASURES ONLY AFTER INSPECTION FROM NCDEQ.
9. STREET IN FRONT OF THE PROJECT SITE SHALL BE KEPT CLEAN AT ALL TIMES OR A WASH STATION WILL BE REQUIRED.

MAINTENANCE:

1. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CHECKED AT LEAST ONCE EVERY WEEK AND AFTER EVERY RUN-OFF PRODUCING RAINFALL.
2. SEDIMENT SHALL BE REMOVED AND DEVICES REPAIRED AND/OR REPLACED AS NECESSARY.

SEEDBED PREPARATION:

CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3" DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE.
 RIP ENTIRE AREA 6" DEEP.
 REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
 APPLY AGRICULTURAL LIME AND FERTILIZER UNIFORMLY AND MIX WITH SOIL.
 CONTINUE TILLAGE UNTIL A WELL PULVERIZED, REASONABLY UNIFORM SEEDBED IS PREPARED 4" TO 6" DEEP.
 SPREAD SEED ON FRESHLY PREPARED SEEDBED AND COVER LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACKER AFTER SEEDING.
 MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH USING EMULSIFIED ASPHALT AT A RATE OF 435 GAL/ACRE.

HYDROSEEDING

SURFACE ROUGHENING IS PARTICULARLY IMPORTANT WHEN HYDROSEEDING, AS A ROUGHENED SLOPE WILL PROVIDE SOME NATURAL COVERAGE FOR LIME, FERTILIZER, AND SEED. THE SURFACE SHOULD NOT BE COMPACTED OR SMOOTH. FINE SEEDBED PREPARATION IS NOT NECESSARY FOR HYDROSEEDING OPERATIONS. LARGE GLOBS, STONES, AND IRREGULARITIES PROVIDE CAVITIES IN WHICH SEEDS CAN LODGE.
 RATE OF WOOD FIBER (CELLULOSE) APPLICATION SHOULD BE AT LEAST 2,000 LB/ACRE.
 APPLY LEGUME INOCULANTS AT FOUR TIMES THE RECOMMENDED RATE WHEN ADDING INOCULANT TO A HYDROSEEDER SLURRY.
 IF A MACHINERY BREAKDOWN OF ¼ TO 2 HOURS OCCURS, ADD 50% MORE SEED TO THE TASK, BASED ON THE PROPORTION OF THE SLURRY REMAINING. THIS SHOULD COMPENSATE FOR DAMAGE TO SEED. BEYOND 2 HOURS, FULL RATE OF NEW SEED MAY BE NECESSARY.
 LIME IS NOT NORMALLY APPLIED WITH A HYDRAULIC SEEDER BECAUSE IT IS ABRASIVE. IT CAN BE BLOWN ONTO STEEP SLOPES IN DRY FORM.

CRIMPING STRAW MULCH

APPLY AND CRIMP HALF OF THE REQUIRED AMOUNT OF STRAWS IN TWO DIRECTIONS BEFORE APPLYING AND CRIMPING THE REMAINING STRAWS FOR BETTER ANCHORING INTO THE GROUND.
 STRAW MULCH SHALL BE OF SUFFICIENT LENGTH AND QUALITY TO WITHSTAND THE CRIMPING OPERATION.
 CRIMPING EQUIPMENT INCLUDING POWER SOURCE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER PROVIDING THAT MAXIMUM SPACING OF CRIMPER BLADES SHALL NOT EXCEED 8".

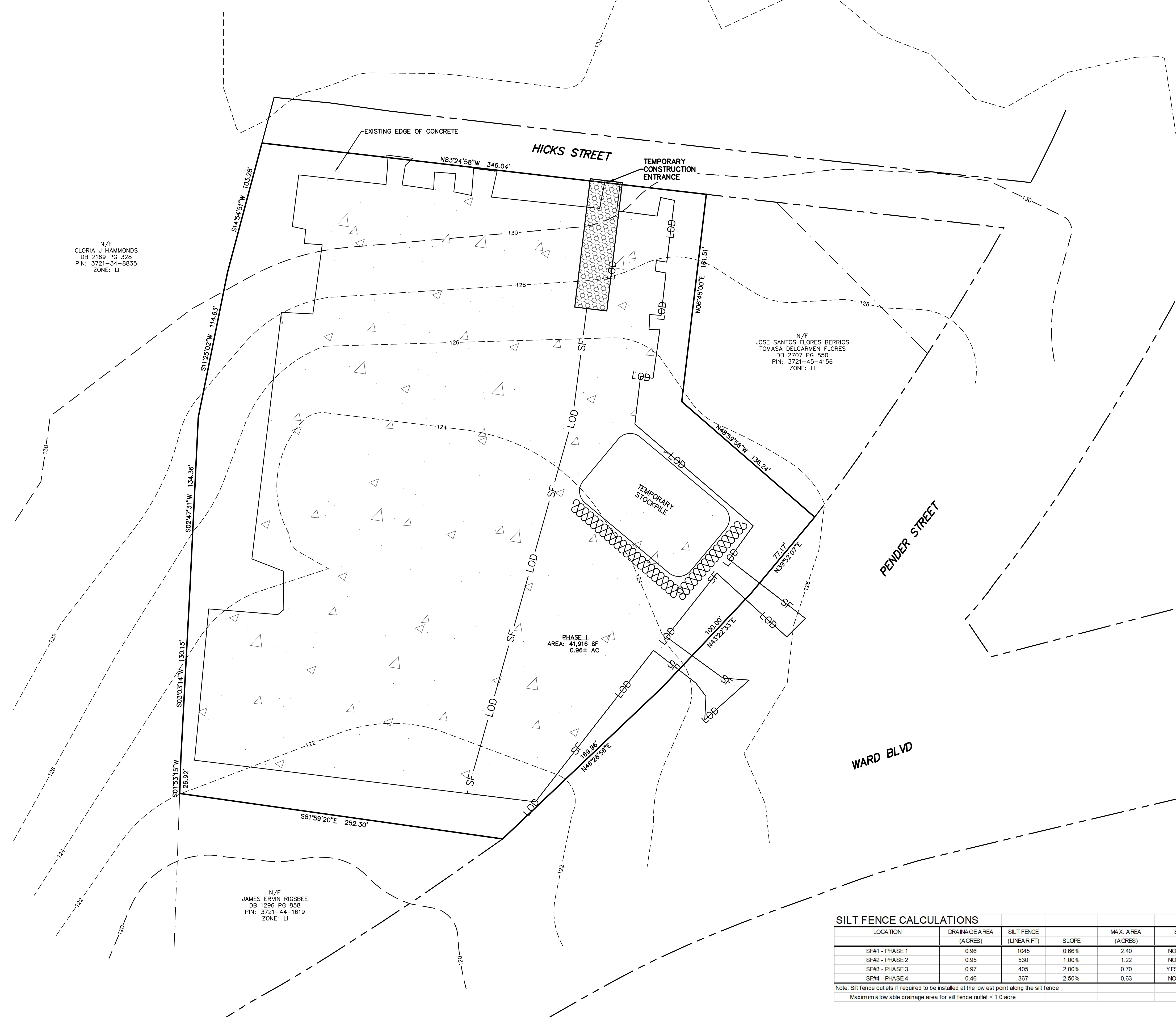
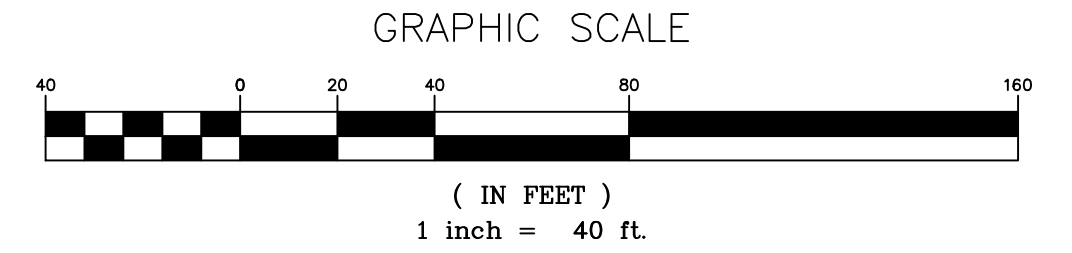
EROSION CONTROL LEGEND

- ELEV --- EXISTING CONTOUR
- LOD --- LIMITS OF DISTURBANCE
- SF-SF- SILT FENCE
- [Hatched Box] CONSTRUCTION ENTRANCE/EXIT
- LOD --- SF --- LIMIT OF DISTURBANCE AND SILT FENCE OVERLAP
- [Coiled Line] COMPOST SOCK

SILT FENCE CALCULATIONS

LOCATION	DRAINAGE AREA (ACRES)	SILT FENCE (LINEAR FT)	SLOPE	MAX. AREA (ACRES)	SILT FENCE OUTLET
SF#1 - PHASE 1	0.96	1045	0.66%	2.40	NO
SF#2 - PHASE 2	0.95	530	1.00%	1.22	NO
SF#3 - PHASE 3	0.97	405	2.00%	0.70	YES
SF#4 - PHASE 4	0.46	367	2.50%	0.63	NO

Note: Silt fence outlets if required to be installed at the low end point along the silt fence
 Maximum allowable drainage area for silt fence outlet < 1.0 acre.

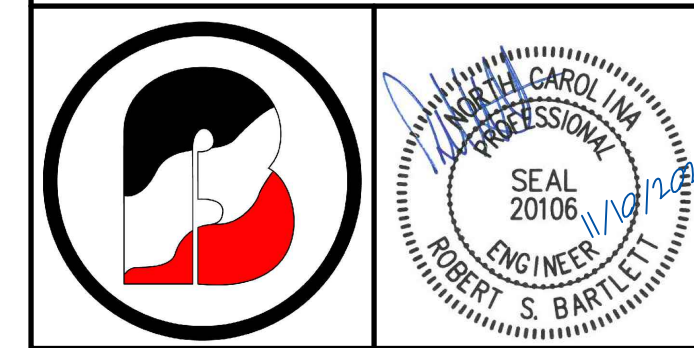


N/F
 GLORIA J HAMMONDS
 DB 2169 PG 328
 PIN: 3721-34-8835
 ZONE: LI

N/F
 JOSE SANTOS FLORES BERRIOS
 TOMASA DELCARMEN FLORES
 DB 2707 PG 850
 PIN: 3721-45-4156
 ZONE: LI

PHASE 1
 AREA: 41,916 SF
 0.96± AC

N/F
 JAMES ERVIN RIGSBEE
 DB 1296 PG 858
 PIN: 3721-44-1619
 ZONE: LI



BARTLETT
 ENGINEERING & SURVEYING, PC
 1906 NASH STREET NORTH
 WILSON, N.C. 27893-1726
 License No. C-1551
 TELE: (252) 399-0704
 FAX: (252) 399-0804
 www.bartletteng.com

SEDIMENTATION & EROSION CONTROL PLAN PHASE 1

1008 PENDER STREET
 CONCRETE REMOVAL AND REVEGETATION

DATE: NOV 2022
 SCALE(HORIZ): 1" = 40'
 SCALE(VERT): N/A
 REVISIONS: NCDEQ COMMENTS 10 NOV 2022

PROJECT: 22-525
 CLIENT CODE: WC
 CADFILE: 22525E2
 FIELD BOOK: N/A
 DRAWN BY: LR, DV
 SURVEY BY: N/A
 CITY OF WILSON WILSON COUNTY
 NORTH CAROLINA ZONE: LI
 PIN # 3721-44-2912 SHEET SE1

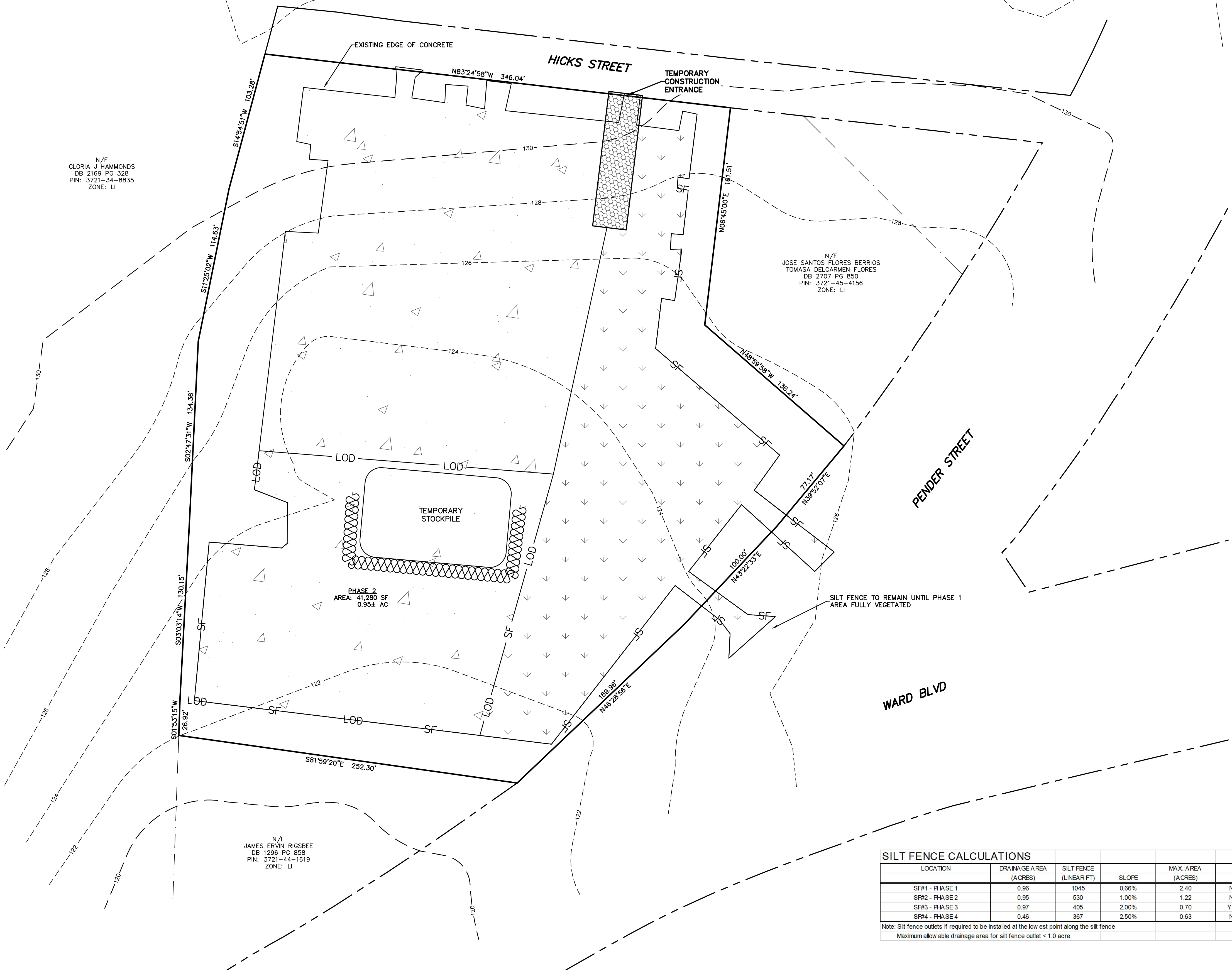
PROJECT DISTURBED AREA = 3.7± ACRES
 PHASE DISTURBED AREA = 0.95± ACRES



N/F
 GLORIA J HAMMONDS
 DB 2169 PG 328
 PIN: 3721-34-8835
 ZONE: LI

N/F
 JOSE SANTOS FLORES BERRIOS
 TOMASA DELCARMEN FLORES
 DB 2707 PG 850
 PIN: 3721-45-4156
 ZONE: LI

N/F
 JAMES ERVIN RIGSBEE
 DB 1296 PG 858
 PIN: 3721-44-1619
 ZONE: LI



- CONSTRUCTION SEQUENCE (PHASE 2):**
1. CLOSE OUT PHASE 1 S&E, PERIMETER SILT FENCE AND CONSTRUCTION ENTRANCE TO REMAIN.
 2. EROSION AND SEDIMENT CONTROL (EASC) PERMIT AND CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES OCCUR. NO WORK TO BE DONE ON SITE UNTIL THE SEDIMENTATION AND EROSION CONTROL PLAN HAS BEEN APPROVED AND PERMIT ACQUIRED. NOTIFY NCDEQ AT LEAST 48 HOURS PRIOR TO COMMENCING THE LAND DISTURBING ACTIVITY. MAINTAIN ON SITE A RAIN GAUGE, RECORDS, COPY OF THE PERMIT AND SEDIMENT & EROSION CONTROL PLANS.
 3. PHASE CONSTRUCTION TO LIMIT TIME OF EXPOSURE AND PROVIDE GROUND COVER UNDER GUIDELINES OF THE EASC PERMIT.
 4. INSTALL SILT FENCE ACCORDING TO PLANS.
 5. CONTRACTOR TO CONTACT NCDEQ AT PHONE NUMBER (919) 791-4200 FOR A COMPLIANCE WALK-THROUGH BEFORE REMOVING EXISTING CONCRETE.
 6. SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVERY RAIN EVENT OF GREATER THAN 1 INCH. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL EASC MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT SITE FOR MONITORING.
 7. PROVIDE TEMPORARY SEEDING AND STABILIZE ALL AREAS TO BE REVEGETATED.
 8. ALL APPLICABLE EASC PERMIT MEASURES ARE TO REMAIN AND BE PROPERLY MAINTAINED UNTIL A VIGOROUS STAND OF PERMANENT VEGETATION IS ESTABLISHED AT THE END OF THE CONSTRUCTION OF THE PROJECT.
 9. WHEN ALL UPLAND AREAS HAVE BEEN STABILIZED, REMOVE TEMPORARY MEASURES ONLY AFTER INSPECTION FROM NCDEQ.
 10. STREET IN FRONT OF THE PROJECT SITE SHALL BE KEPT CLEAN AT ALL TIMES OR A WASH STATION WILL BE REQUIRED.

- MAINTENANCE:**
1. EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CHECKED AT LEAST ONCE EVERY WEEK AND AFTER EVERY RUN-OFF PRODUCING RAINFALL.
 2. SEDIMENT SHALL BE REMOVED AND DEVICES REPAIRED AND/OR REPLACED AS NECESSARY.

SEEDBED PREPARATION:

CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3" DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE. RIP ENTIRE AREA 6" DEEP.

REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.

APPLY AGRICULTURAL LIME AND FERTILIZER UNIFORMLY AND MIX WITH SOIL.

CONTINUE TILLAGE UNTIL A WELL PULVERIZED, REASONABLY UNIFORM SEEDBED IS PREPARED 4" TO 6" DEEP.

SPREAD SEED ON FRESHLY PREPARED SEEDBED AND COVER LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACKER AFTER SEEDING.

MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH USING EMULSIFIED ASPHALT AT A RATE OF 435 GAL/ACRE.

HYDROSEEDING

SURFACE ROUGHENING IS PARTICULARLY IMPORTANT WHEN HYDROSEEDING, AS A ROUGHENED SLOPE WILL PROVIDE SOME NATURAL COVERAGE FOR LIME, FERTILIZER, AND SEED. THE SURFACE SHOULD NOT BE COMPACTED OR SMOOTH. FINE SEEDBED PREPARATION IS NOT NECESSARY FOR HYDROSEEDING OPERATIONS. LARGE GLOBS, STONES, AND IRREGULARITIES PROVIDE CAVITIES IN WHICH SEEDS CAN LODGE.

RATE OF WOOD FIBER (CELLULOSE) APPLICATION SHOULD BE AT LEAST 2,000 LB/ACRE.

APPLY LEGUME INOCULANTS AT FOUR TIMES THE RECOMMENDED RATE WHEN ADDING INOCULANT TO A HYDROSEEDER SLURRY.

IF A MACHINERY BREAKDOWN OF ¼ TO 2 HOURS OCCURS, ADD 50% MORE SEED TO THE TASK, BASED ON THE PROPORTION OF THE SLURRY REMAINING. THIS SHOULD COMPENSATE FOR DAMAGE TO SEED. BEYOND 2 HOURS, FULL RATE OF NEW SEED MAY BE NECESSARY.

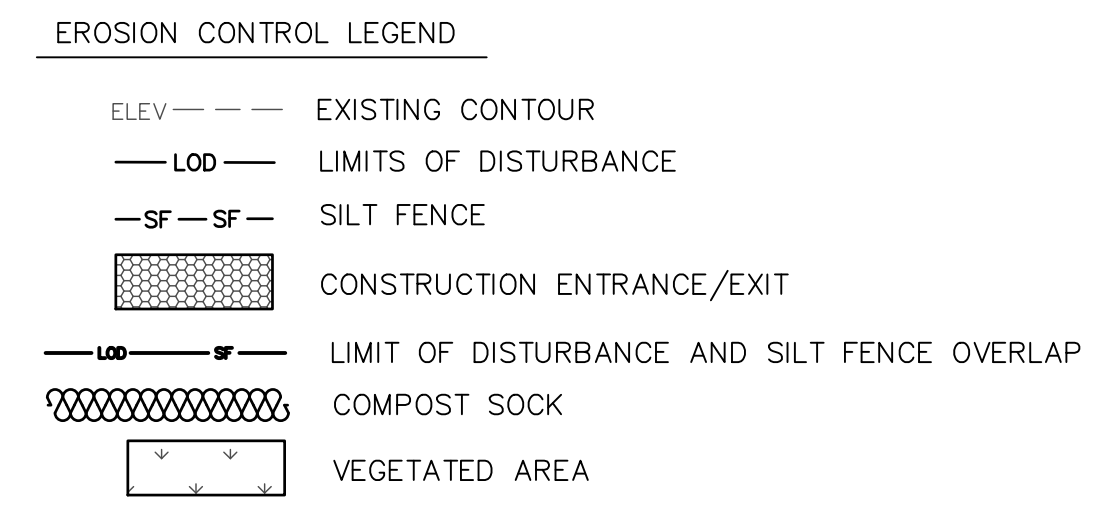
LIME IS NOT NORMALLY APPLIED WITH A HYDRAULIC SEEDER BECAUSE IT IS ABRASIVE. IT CAN BE BLOWN ONTO STEEP SLOPES IN DRY FORM.

CRIMPING STRAW MULCH

APPLY AND CRIMP HALF OF THE REQUIRED AMOUNT OF STRAWS IN TWO DIRECTIONS BEFORE APPLYING AND CRIMPING THE REMAINING STRAWS FOR BETTER ANCHORING INTO THE GROUND.

STRAW MULCH SHALL BE OF SUFFICIENT LENGTH AND QUALITY TO WITHSTAND THE CRIMPING OPERATION.

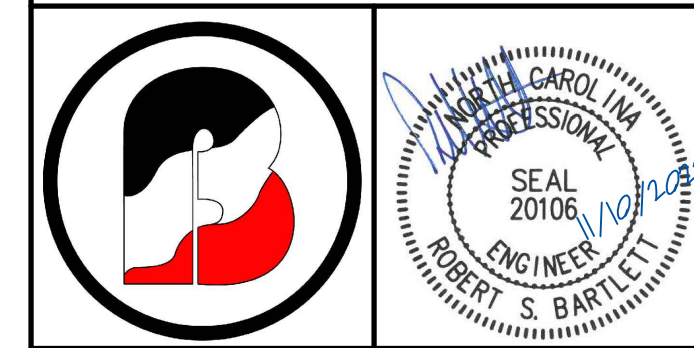
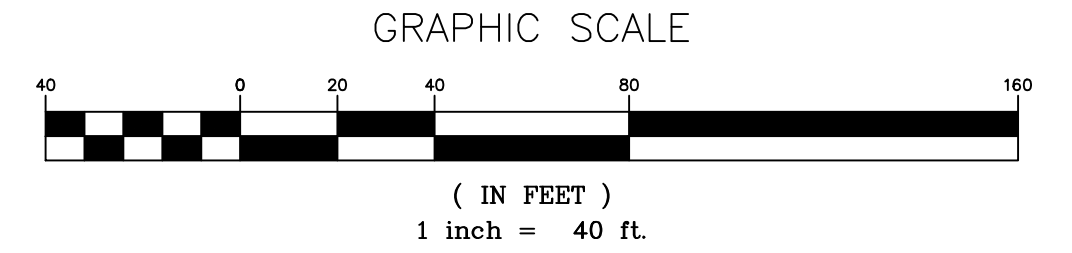
CRIMPING EQUIPMENT INCLUDING POWER SOURCE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER PROVIDING THAT MAXIMUM SPACING OF CRIMPER BLADES SHALL NOT EXCEED 8".



SILT FENCE CALCULATIONS

LOCATION	DRAINAGE AREA (ACRES)	SILT FENCE (LINEAR FT)	SLOPE	MAX. AREA (ACRES)	SILT FENCE OUTLET
SF#1 - PHASE 1	0.96	1045	0.66%	2.40	NO
SF#2 - PHASE 2	0.95	530	1.00%	1.22	NO
SF#3 - PHASE 3	0.97	405	2.00%	0.70	YES SFO "A"
SF#4 - PHASE 4	0.46	367	2.50%	0.63	NO

Note: Silt fence outlets if required to be installed at the low end point along the silt fence
 Maximum allowable drainage area for silt fence outlet < 1.0 acre.



BARTLETT
 ENGINEERING & SURVEYING, PC

1906 NASH STREET NORTH
 WILSON, N.C. 27893-1726
 License No. C-1551

TELE: (252) 399-0704
 FAX: (252) 399-0804
 www.bartletteng.com

SEDIMENTATION & EROSION CONTROL PLAN PHASE 2

1008 PENDER STREET
 CONCRETE REMOVAL AND REVEGETATION

DATE: NOV 2022
 SCALE(HORIZ): 1" = 40'
 SCALE(VERT): N/A
 REVISIONS: NCDEQ COMMENTS 10 NOV 2022

PROJECT: 22-525
 CLIENT CODE: WC
 CADFILE: 22525SE2
 FIELD BOOK: N/A
 DRAWN BY: LR, DV
 SURVEY BY: N/A

CITY OF WILSON WILSON COUNTY
 NORTH CAROLINA ZONE: LI
 PIN # 3721-44-2912 SHEET SE2

P:\CAD\LANDPROJECTS\WC\22525\DWG\22525SE2.dwg, Nov 10, 2022 11:57AM EST

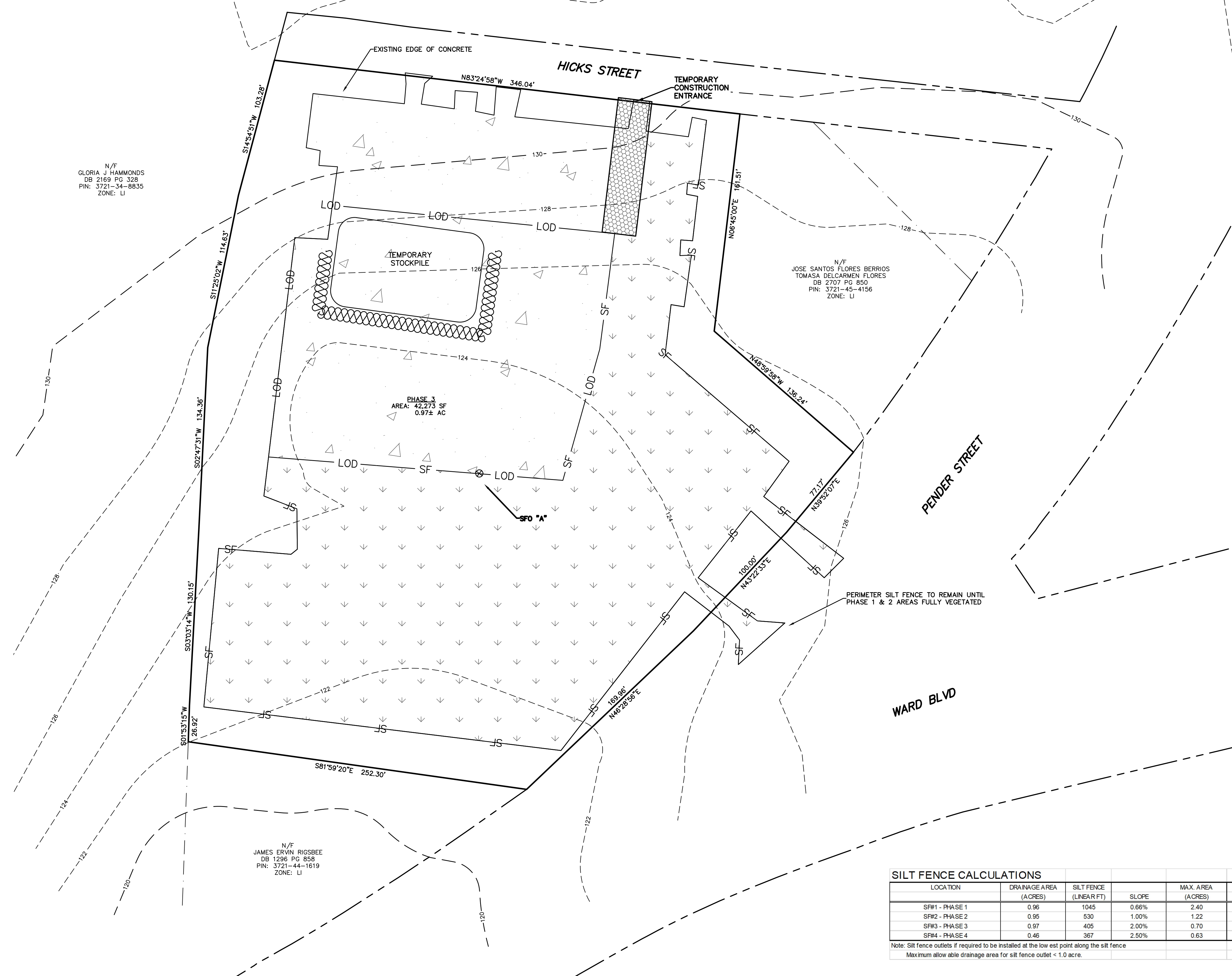
PROJECT DISTURBED AREA = 3.7± ACRES
 PHASE DISTURBED AREA = 0.97± ACRES



N/F
 GLORIA J HAMMONDS
 DB 2169 PG 328
 PIN: 3721-34-8835
 ZONE: LI

N/F
 JOSE SANTOS FLORES BERRIOS
 TOMASA DELCARMEN FLORES
 DB 2707 PG 850
 PIN: 3721-45-4156
 ZONE: LI

N/F
 JAMES ERVIN RIGSBEE
 DB 1296 PG 858
 PIN: 3721-44-1619
 ZONE: LI



CONSTRUCTION SEQUENCE (PHASE 3):

- CLOSE OUT PHASE 2 S&E PERIMETER SILT FENCE AND CONSTRUCTION ENTRANCE TO REMAIN.
- EROSION AND SEDIMENT CONTROL (E&S) PERMIT AND CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES OCCUR. NO WORK TO BE DONE ON SITE UNTIL THE SEDIMENTATION AND EROSION CONTROL PLAN HAS BEEN APPROVED AND PERMIT ACQUIRED. NOTIFY NCDEQ AT LEAST 48 HOURS PRIOR TO COMMENCING THE LAND DISTURBING ACTIVITY. MAINTAIN ON SITE A RAIN GAUGE, RECORDS, COPY OF THE PERMIT AND SEDIMENT & EROSION CONTROL PLANS.
- PHASE CONSTRUCTION TO LIMIT TIME OF EXPOSURE AND PROVIDE GROUND COVER UNDER GUIDELINES OF THE E&S PERMIT.
- INSTALL SILT FENCE AND SILT FENCE OUTLET ACCORDING TO PLANS.
- CONTRACTOR TO CONTACT NCDEQ AT PHONE NUMBER (919) 791-4200 FOR A COMPLIANCE WALK-THROUGH BEFORE REMOVING EXISTING CONCRETE.
- SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVERY RAIN EVENT OF GREATER THAN 1 INCH. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL E&S MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT SITE FOR MONITORING.
- PROVIDE TEMPORARY SEEDING AND STABILIZE ALL AREAS TO BE REVEGETATED.
- ALL APPLICABLE E&S CONTROL MEASURES ARE TO REMAIN AND BE PROPERLY MAINTAINED UNTIL A VIGOROUS STAND OF PERMANENT VEGETATION IS ESTABLISHED AT THE END OF THE CONSTRUCTION OF THE PROJECT.
- WHEN ALL UPLAND AREAS HAVE BEEN STABILIZED, REMOVE TEMPORARY MEASURES ONLY AFTER INSPECTION FROM NCDEQ.
- STREET IN FRONT OF THE PROJECT SITE SHALL BE KEPT CLEAN AT ALL TIMES OR A WASH STATION WILL BE REQUIRED.

MAINTENANCE:

- EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CHECKED AT LEAST ONCE EVERY WEEK AND AFTER EVERY RUN-OFF PRODUCING RAINFALL.
- SEDIMENT SHALL BE REMOVED AND DEVICES REPAIRED AND/OR REPLACED AS NECESSARY.

SEEDBED PREPARATION:

CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3" DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE. RIP ENTIRE AREA 6" DEEP.
 REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM.
 APPLY AGRICULTURAL LIME AND FERTILIZER UNIFORMLY AND MIX WITH SOIL.
 CONTINUE TILLAGE UNTIL A WELL PULVERIZED, REASONABLY UNIFORM SEEDBED IS PREPARED 4" TO 6" DEEP.
 SPREAD SEED ON FRESHLY PREPARED SEEDBED AND COVER LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACKER AFTER SEEDING.
 MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH USING EMULSIFIED ASPHALT AT A RATE OF 435 GAL/ACRE.

HYDROSEEDING

SURFACE ROUGHENING IS PARTICULARLY IMPORTANT WHEN HYDROSEEDING, AS A ROUGHENED SLOPE WILL PROVIDE SOME NATURAL COVERAGE FOR LIME, FERTILIZER, AND SEED. THE SURFACE SHOULD NOT BE COMPACTED OR SMOOTH. FINE SEEDBED PREPARATION IS NOT NECESSARY FOR HYDROSEEDING OPERATIONS. LARGE GLOBS, STONES, AND IRREGULARITIES PROVIDE CAVITIES IN WHICH SEEDS CAN LODGE.
 RATE OF WOOD FIBER (CELLULOSE) APPLICATION SHOULD BE AT LEAST 2,000 LB/ACRE.
 APPLY LEGUME INOCULANTS AT FOUR TIMES THE RECOMMENDED RATE WHEN ADDING INOCULANT TO A HYDROSEEDER SLURRY.
 IF A MACHINERY BREAKDOWN OF ½ TO 2 HOURS OCCURS, ADD 50% MORE SEED TO THE TASK, BASED ON THE PROPORTION OF THE SLURRY REMAINING. THIS SHOULD COMPENSATE FOR DAMAGE TO SEED. BEYOND 2 HOURS, FULL RATE OF NEW SEED MAY BE NECESSARY.
 LIME IS NOT NORMALLY APPLIED WITH A HYDRAULIC SEEDER BECAUSE IT IS ABRASIVE. IT CAN BE BLOWN ONTO STEEP SLOPES IN DRY FORM.

CRIMPING STRAW MULCH

APPLY AND CRIMP HALF OF THE REQUIRED AMOUNT OF STRAWS IN TWO DIRECTIONS BEFORE APPLYING AND CRIMPING THE REMAINING STRAWS FOR BETTER ANCHORING INTO THE GROUND.
 STRAW MULCH SHALL BE OF SUFFICIENT LENGTH AND QUALITY TO WITHSTAND THE CRIMPING OPERATION.
 CRIMPING EQUIPMENT INCLUDING POWER SOURCE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER PROVIDING THAT MAXIMUM SPACING OF CRIMPER BLADES SHALL NOT EXCEED 8".

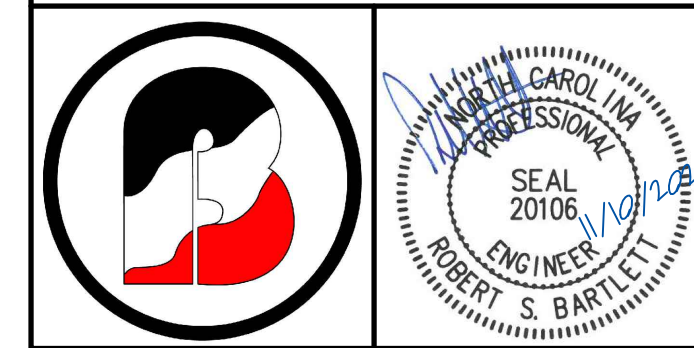
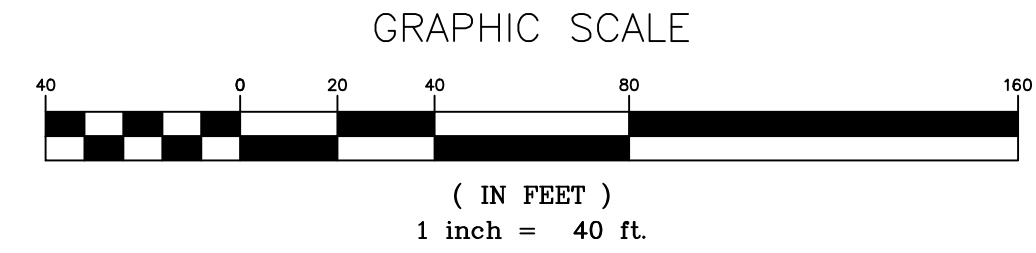
EROSION CONTROL LEGEND

- ELEV --- EXISTING CONTOUR
- LOD --- LIMITS OF DISTURBANCE
- SF - SF - SILT FENCE
- [Hatched Box] CONSTRUCTION ENTRANCE/EXIT
- LOD --- SF --- LIMIT OF DISTURBANCE AND SILT FENCE OVERLAP
- [Circle with X] SILT FENCE OUTLET
- [Wavy Line Box] COMPOST SOCK
- [Downward Arrow Box] VEGETATED AREA

SILT FENCE CALCULATIONS

LOCATION	DRAINAGE AREA (ACRES)	SILT FENCE (LINEAR FT)	SLOPE	MAX. AREA (ACRES)	SILT FENCE OUTLET
SF#1 - PHASE 1	0.96	1045	0.66%	2.40	NO
SF#2 - PHASE 2	0.96	530	1.00%	1.22	NO
SF#3 - PHASE 3	0.97	405	2.00%	0.70	YES SFO "A"
SF#4 - PHASE 4	0.46	367	2.50%	0.63	NO

Note: Silt fence outlets if required to be installed at the low est point along the silt fence
 Maximum allowable drainage area for silt fence outlet < 1.0 acre.



BARTLETT
 ENGINEERING & SURVEYING, PC

1906 NASH STREET NORTH
 WILSON, N.C. 27893-1726
 License No. C-1551

TELE: (252) 399-0704
 FAX: (252) 399-0804
 www.bartletteng.com

SEDIMENTATION & EROSION CONTROL PLAN PHASE 3

1008 PENDER STREET CONCRETE REMOVAL AND REVEGETATION

DATE: NOV 2022
 SCALE(HORIZ): 1" = 40'
 SCALE(VERT): N/A
 REVISIONS: NCDEQ COMMENTS 10 NOV 2022

PROJECT: 22-525
 CLIENT CODE: WC
 CADFILE: 22525SE2
 FIELD BOOK: N/A
 DRAWN BY: LR
 SURVEY BY: N/A

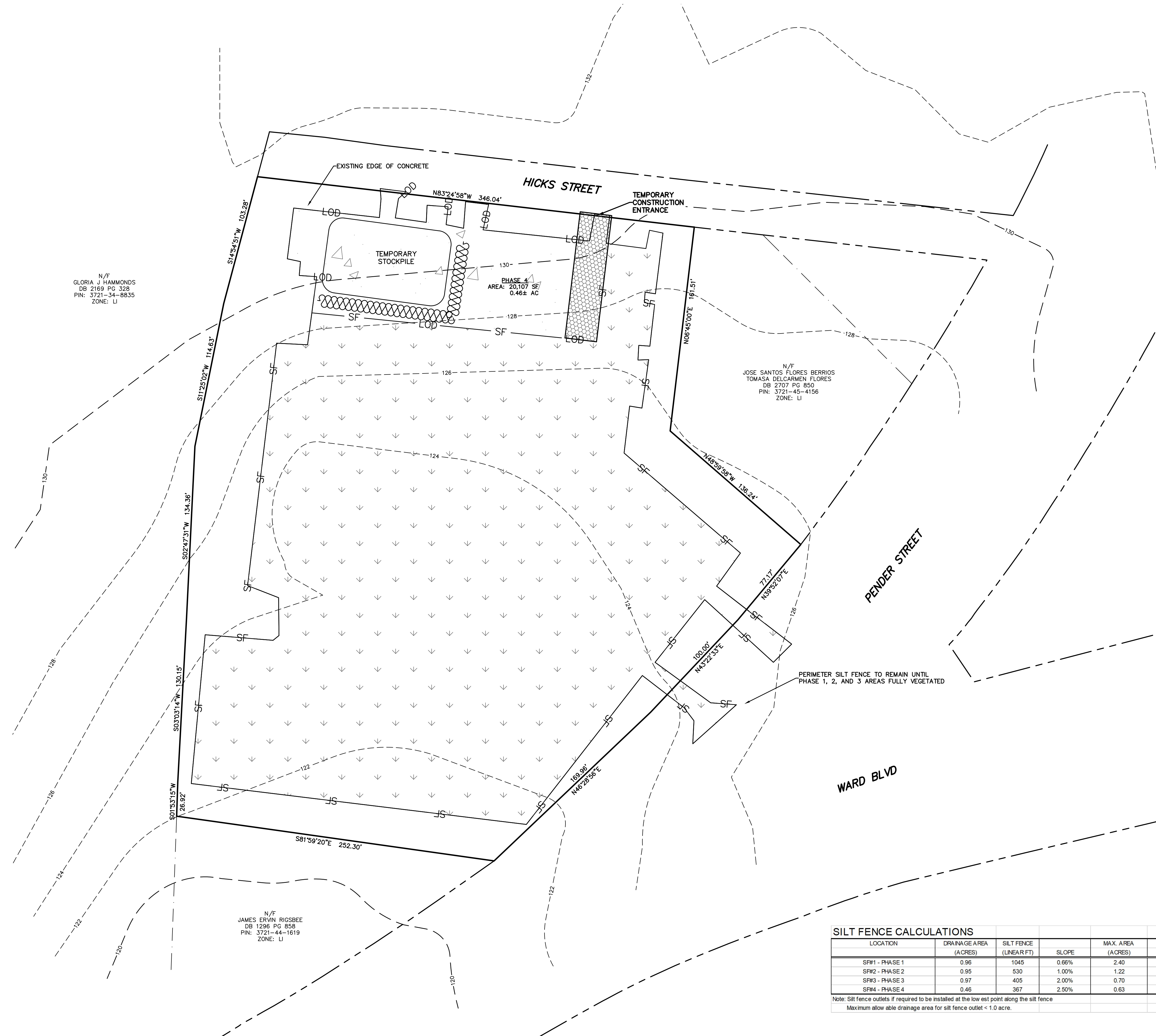
CITY OF WILSON WILSON COUNTY
 NORTH CAROLINA ZONE: LI
 PIN # 3721-44-2912 SHEET SE3

P:\CAD\LANDPROJECTS\WC\22525\DWG\22525SE2.dwg, Nov 10, 2022 11:57AM EST

PROJECT DISTURBED AREA = 3.7± ACRES
 PHASE DISTURBED AREA = 0.46± ACRES



N/F
 GLORIA J HAMMONDS
 DB 2169 PG 328
 PIN: 3721-34-8835
 ZONE: LI



N/F
 JOSE SANTOS FLORES BERRIOS
 TOMASA DELCARMEN FLORES
 DB 2707 PG 850
 PIN: 3721-45-4156
 ZONE: LI

N/F
 JAMES ERVIN RIGSBEE
 DB 1296 PG 858
 PIN: 3721-44-1619
 ZONE: LI

CONSTRUCTION SEQUENCE (PHASE 4):

- CLOSE OUT PHASE 3 S&E, PERIMETER SILT FENCE AND CONSTRUCTION ENTRANCE TO REMAIN.
- EROSION AND SEDIMENT CONTROL (E&S) PERMIT AND CERTIFICATE OF COVERAGE (COC) MUST BE OBTAINED BEFORE ANY LAND DISTURBING ACTIVITIES OCCUR. NO WORK TO BE DONE ON SITE UNTIL THE SEDIMENTATION AND EROSION CONTROL PLAN HAS BEEN APPROVED AND PERMIT ACQUIRED. NOTIFY NCDEQ AT LEAST 48 HOURS PRIOR TO COMMENCING THE LAND DISTURBING ACTIVITY. MAINTAIN ON SITE A RAIN GAUGE, RECORDS, COPY OF THE PERMIT AND SEDIMENT & EROSION CONTROL PLANS.
- PHASE CONSTRUCTION TO LIMIT TIME OF EXPOSURE AND PROVIDE GROUND COVER UNDER GUIDELINES OF THE E&S PERMIT.
- INSTALL SILT FENCE ACCORDING TO PLANS.
- CONTRACTOR TO CONTACT NCDEQ AT PHONE NUMBER (919) 791-4200 FOR A COMPLIANCE WALK-THROUGH BEFORE REMOVING EXISTING CONCRETE.
- SELF-INSPECTIONS FOR EROSION AND SEDIMENTATION CONTROL MEASURES ARE TO BE PERFORMED AT LEAST ONCE EVERY SEVEN CALENDAR DAYS AND WITHIN 24 HOURS OF EVERY RAIN EVENT OF GREATER THAN 1 INCH. ANY NEEDED REPAIRS SHALL BE MADE IMMEDIATELY TO MAINTAIN MEASURES AS DESIGNED. ALL E&S MEASURES SHALL BE MAINTAINED AS SPECIFIED IN THE CONSTRUCTION DETAILS ON THIS PLAN. A RAIN GAUGE SHALL BE INSTALLED AT THE PROJECT SITE FOR MONITORING.
- PROVIDE TEMPORARY SEEDING AND STABILIZE ALL AREAS TO BE REVEGETATED.
- ALL APPLICABLE E&S CONTROL MEASURES ARE TO REMAIN AND BE PROPERLY MAINTAINED UNTIL A VIGOROUS STAND OF PERMANENT VEGETATION IS ESTABLISHED AT THE END OF THE CONSTRUCTION OF THE PROJECT.
- WHEN ALL UPLAND AREAS HAVE BEEN STABILIZED, REMOVE TEMPORARY MEASURES ONLY AFTER INSPECTION FROM NCDEQ.
- STREET IN FRONT OF THE PROJECT SITE SHALL BE KEPT CLEAN AT ALL TIMES OR A WASH STATION WILL BE REQUIRED.

MAINTENANCE:

- EROSION AND SEDIMENT CONTROL DEVICES SHALL BE CHECKED AT LEAST ONCE EVERY WEEK AND AFTER EVERY RUN-OFF PRODUCING RAINFALL.
- SEDIMENT SHALL BE REMOVED AND DEVICES REPAIRED AND/OR REPLACED AS NECESSARY.

SEEDBED PREPARATION:

CHISEL COMPACTED AREAS AND SPREAD TOPSOIL 3" DEEP OVER ADVERSE SOIL CONDITIONS, IF AVAILABLE. RIP ENTIRE AREA 6" DEEP. REMOVE ALL LOOSE ROCK, ROOTS, AND OTHER OBSTRUCTIONS LEAVING SURFACE REASONABLY SMOOTH AND UNIFORM. APPLY AGRICULTURAL LIME AND FERTILIZER UNIFORMLY AND MIX WITH SOIL. CONTINUE TILLAGE UNTIL A WELL PULVERIZED, REASONABLY UNIFORM SEEDBED IS PREPARED 4" TO 6" DEEP. SPREAD SEED ON FRESHLY PREPARED SEEDBED AND COVER LIGHTLY WITH SEEDING EQUIPMENT OR CULTIPACKER AFTER SEEDING. MULCH IMMEDIATELY AFTER SEEDING AND ANCHOR MULCH USING EMULSIFIED ASPHALT AT A RATE OF 435 GAL/ACRE.

HYDROSEEDING

SURFACE ROUGHENING IS PARTICULARLY IMPORTANT WHEN HYDROSEEDING, AS A ROUGHENED SLOPE WILL PROVIDE SOME NATURAL COVERAGE FOR LIME, FERTILIZER, AND SEED. THE SURFACE SHOULD NOT BE COMPACTED OR SMOOTH. FINE SEEDBED PREPARATION IS NOT NECESSARY FOR HYDROSEEDING OPERATIONS. LARGE GLOBS, STONES, AND IRREGULARITIES PROVIDE CAVITIES IN WHICH SEEDS CAN LODGE. RATE OF WOOD FIBER (CELLULOSE) APPLICATION SHOULD BE AT LEAST 2,000 LB/ACRE. APPLY LEGUME INOCULANTS AT FOUR TIMES THE RECOMMENDED RATE WHEN ADDING INOCULANT TO A HYDROSEEDER SLURRY. IF A MACHINERY BREAKDOWN OF ½ TO 2 HOURS OCCURS, ADD 50% MORE SEED TO THE TASK, BASED ON THE PROPORTION OF THE SLURRY REMAINING. THIS SHOULD COMPENSATE FOR DAMAGE TO SEED. BEYOND 2 HOURS, FULL RATE OF NEW SEED MAY BE NECESSARY. LIME IS NOT NORMALLY APPLIED WITH A HYDRAULIC SEEDER BECAUSE IT IS ABRASIVE. IT CAN BE BLOWN ONTO STEEP SLOPES IN DRY FORM.

CRIMPING STRAW MULCH

APPLY AND CRIMP HALF OF THE REQUIRED AMOUNT OF STRAWS IN TWO DIRECTIONS BEFORE APPLYING AND CRIMPING THE REMAINING STRAWS FOR BETTER ANCHORING INTO THE GROUND. STRAW MULCH SHALL BE OF SUFFICIENT LENGTH AND QUALITY TO WITHSTAND THE CRIMPING OPERATION. CRIMPING EQUIPMENT INCLUDING POWER SOURCE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER PROVIDING THAT MAXIMUM SPACING OF CRIMPER BLADES SHALL NOT EXCEED 8".

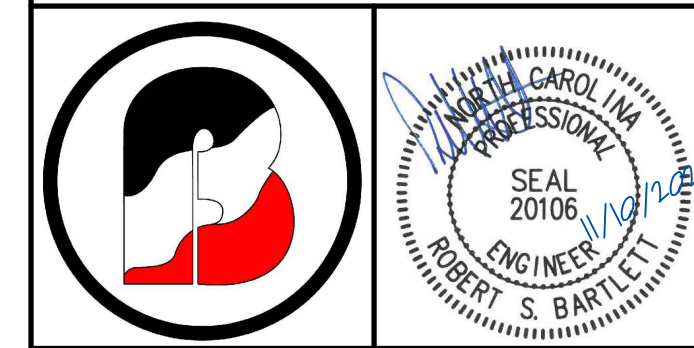
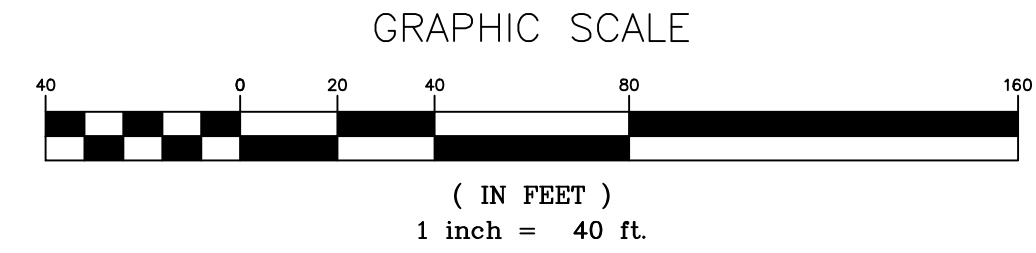
EROSION CONTROL LEGEND

- ELEV --- EXISTING CONTOUR
- LOD --- LIMITS OF DISTURBANCE
- SF-SF- SILT FENCE
- [Hatched Box] CONSTRUCTION ENTRANCE/EXIT
- LOD --- SF --- LIMIT OF DISTURBANCE AND SILT FENCE OVERLAP
- [Wavy Box] COMPOST SOCK
- [Arrow Box] VEGETATED AREA

SILT FENCE CALCULATIONS

LOCATION	DRAINAGE AREA (ACRES)	SILT FENCE (LINEAR FT)	SLOPE	MAX. AREA (ACRES)	SILT FENCE OUTLET
SF#1 - PHASE 1	0.96	1045	0.66%	2.40	NO
SF#2 - PHASE 2	0.95	530	1.00%	1.22	NO
SF#3 - PHASE 3	0.97	405	2.00%	0.70	YES
SF#4 - PHASE 4	0.46	267	2.50%	0.63	NO

Note: Silt fence outlets if required to be installed at the low est point along the silt fence
 Maximum allowable drainage area for silt fence outlet < 1.0 acre.



BARTLETT
 ENGINEERING & SURVEYING, PC
 1906 NASH STREET NORTH
 WILSON, N.C. 27893-1726
 License No. C-1551
 TELE: (252) 399-0704
 FAX: (252) 399-0804
 www.bartletteng.com

SEDIMENTATION & EROSION CONTROL PLAN PHASE 4

1008 PENDER STREET
 CONCRETE REMOVAL AND REVEGETATION

DATE: NOV 2022
 SCALE(HORIZ): 1" = 40'
 SCALE(VERT): N/A
 REVISIONS: NCDEQ COMMENTS 10 NOV 2022

PROJECT: 22-525
 CLIENT CODE: WC
 CADFILE: 22525SE2
 FIELD BOOK: N/A
 DRAWN BY: LR, DV
 SURVEY BY: N/A
 CITY OF WILSON WILSON COUNTY
 NORTH CAROLINA ZONE: LI
 PIN # 3721-44-2912 SHEET SE4

P:\CAD\LANDPROJECTS\WC\22525\DWG\22525SE2.dwg, Nov 10, 2022 11:57AM EST

GROUND STABILIZATION AND MATERIALS HANDLING PRACTICES FOR COMPLIANCE WITH THE NCG01 CONSTRUCTION GENERAL PERMIT
 Implementing the details and specifications on this plan sheet will result in the construction activity being considered compliant with the Ground Stabilization and Materials Handling sections of the NCG01 Construction General Permit (Sections E and F, respectively). The permittee shall comply with the Erosion and Sediment Control plan approved by the delegated authority having jurisdiction. All details and specifications shown on this sheet may not apply depending on site conditions and the delegated authority having jurisdiction.

SECTION E: GROUND STABILIZATION		
Site Area Description	Required Ground Stabilization Timeframes	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	Stabilize within this many calendar days after ceasing land disturbance: 7	None
(b) High Quality Water (HQW) Zones	7	None
(c) Slopes steeper than 3:1	7	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
(d) Slopes 3:1 to 4:1	14	-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
(e) Areas with slopes flatter than 4:1	14	-7 days for perimeter dikes, swales, ditches, perimeter slopes and HQW Zones -10 days for Falls Lake Watershed unless there is zero slope

Note: After the permanent cessation of construction activities, any areas with temporary ground stabilization shall be converted to permanent ground stabilization as soon as practicable but in no case longer than 90 calendar days after the last land disturbing activity. Temporary ground stabilization shall be maintained in a manner to render the surface stable against accelerated erosion until permanent ground stabilization is achieved.

GROUND STABILIZATION SPECIFICATION	
Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Roll-on erosion control products with or without temporary grass seed Appropriately applied straw or other mulch Plastic sheeting 	<ul style="list-style-type: none"> Permanent grass seed covered with straw or other mulches and tackifiers Geotextile fabrics such as permanent soil reinforcement matting Hydroseeding Shrubs or other permanent plantings covered with mulch Uniform and evenly distributed ground cover sufficient to restrain erosion Structural methods such as concrete, asphalt or retaining walls Roll-on erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS
 1. Select flocculants that are appropriate for the soils being exposed during construction, selecting from the *NC DWR List of Approved PAMS/Flocculants*.
 2. Apply flocculants at or before the inlets to Erosion and Sediment Control Measures.
 3. Apply flocculants at the concentrations specified in the *NC DWR List of Approved PAMS/Flocculants* and in accordance with the manufacturer's instructions.
 4. Provide ponding area for containment of treated Stormwater before discharging offsite.
 5. Store flocculants in leak-proof containers that are kept under storm-resistant cover or surrounded by secondary containment structures.

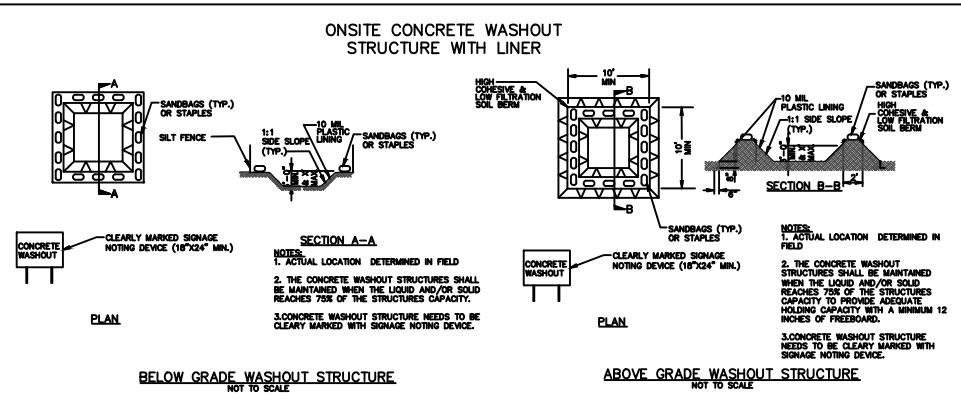
EQUIPMENT AND VEHICLE MAINTENANCE
 1. Maintain vehicles and equipment to prevent discharge of fluids.
 2. Provide drip pans under any stored equipment.
 3. Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
 4. Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
 5. Remove leaking vehicles and construction equipment from service until the problem has been corrected.
 6. Bring used fuels, lubricants, coolants, hydraulic fluids and other petroleum products to a recycling or disposal center that handles these materials.

LITTER, BUILDING MATERIAL AND LAND CLEARING WASTE
 1. Never bury or burn waste. Place litter and debris in approved waste containers.
 2. Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
 3. Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
 4. Locate waste containers on areas that do not receive substantial amounts of runoff from upland areas and does not drain directly to a storm drain, stream or wetland.
 5. Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
 6. Anchor all lightweight items in waste containers during times of high winds.
 7. Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
 8. Dispose waste off-site at an approved disposal facility.
 9. On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE
 1. Do not dump paint and other liquid waste into storm drains, streams or wetlands.
 2. Locate paint washouts at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
 3. Contain liquid wastes in a controlled area.
 4. Containment must be labeled, sized and placed appropriately for the needs of site.
 5. Prevent the discharge of soaps, solvents, detergents and other liquid wastes from construction sites.

PORTABLE TOILETS
 1. Install portable toilets on level ground, at least 50 feet away from storm drains, streams or wetlands unless there is no alternative reasonably available. If 50 foot offset is not attainable, provide relocation of portable toilet behind silt fence or place on a gravel pad and surround with sand bags.
 2. Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
 3. Monitor portable toilets for leaking and properly dispose of any leaked material. Utilize a licensed sanitary waste hauler to remove leaking portable toilets and replace with properly operating unit.

EARTHEN STOCKPILE MANAGEMENT
 1. Show stockpile locations on plans. Locate earthen-material stockpile areas at least 50 feet away from storm drain inlets, sediment basins, perimeter sediment controls and surface waters unless it can be shown no other alternatives are reasonably available.
 2. Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
 3. Provide stable stone access point when feasible.
 4. Stabilize stockpile within the timeframes provided on this sheet and in accordance with the approved plan and any additional requirements. Soil stabilization is defined as vegetative, physical or chemical coverage techniques that will restrain accelerated erosion on disturbed soils for temporary or permanent control needs.



CONCRETE WASHOUTS
 1. Do not discharge concrete or cement slurry from the site.
 2. Dispose of, or recycle/settle, hardened concrete residue in accordance with local and state solid waste regulations and at an approved facility.
 3. 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 lot perimeter silt fence.
 4. 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.
 5. 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.
 6. 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.
 7. 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.
 8. 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.
 9. 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.
 10. 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.

HERBICIDES, PESTICIDES AND RODENTICIDES
 1. Store and apply herbicides, pesticides and rodenticides in accordance with label restrictions.
 2. Store herbicides, pesticides and rodenticides in their original containers with the label, which lists directions for use, ingredients and first aid steps in case of accidental poisoning.
 3. 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.
 4. Do not stockpile these materials onsite.

HAZARDOUS AND TOXIC WASTE
 1. Create designated hazardous waste collection areas on-site.
 2. Place hazardous waste containers under cover or in secondary containment.
 3. Do not store hazardous chemicals, drums or bagged materials directly on the ground.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION A: SELF-INSPECTION
 Self-inspections are required during normal business hours in accordance with the table below. When adverse weather or site conditions would cause the safety of the inspection personnel to be in jeopardy, the inspection may be delayed until the next business day on which it is safe to perform the inspection. In addition, when a storm event of equal to or greater than 1.0 inch occurs outside of normal business hours, the self-inspection shall be performed upon the commencement of the next business day. Any time when inspections were delayed shall be noted in the Inspection Record.

Inspect	Frequency (during normal business hours)	Inspection records must include:
(1) Rain gauge maintained in good working order	Daily	Daily rainfall amounts. If no daily rain gauge observations are made during weekend or holiday periods, and no individual-day rainfall information is available, record the cumulative rain measurement for those unattended days (and this will determine if a site inspection is needed). Days on which no rainfall occurred shall be recorded as "zero." The permittee may use another rain-monitoring device approved by the Division.
(2) E&S Measures	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the measures inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Indication of whether the measures were operating properly, 5. Description of maintenance needs for the measure, 6. Description, evidence, and date of corrective actions taken.
(3) Stormwater discharge outfalls (SDOs)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Identification of the discharge outfall inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of stormwater pollution such as oil shear, floating or suspended solids or discoloration, 5. Indication of visible sediment leaving the site, 6. Description, evidence, and date of corrective actions taken.
(4) Perimeter of site	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. Actions taken to clean up or stabilize the sediment that has left the site limits, 2. Description, evidence, and date of corrective actions taken, and 3. An explanation as to the actions taken to control future releases.
(5) Streams or wetlands onsite or offsite (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	1. If the stream or wetland has increased visible sedimentation or a stream has visible increased turbidity from the construction activity, then a record of the following shall be made: 1. Description, evidence and date of corrective actions taken, and 2. Records of the required reports to the appropriate Division Regional Office per Part III, Section C, Item (2)(a) of this permit of the permit. 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation or perimeter E&S measures, clearing and grubbing, installation of storm drainage facilities, completion of all land-disturbing activity, construction or redevelopment, permanent ground cover). 2. Documentation that the required ground stabilization measures have been provided within the required timeframe or an assurance that they will be provided as soon as possible.

NOTE: The rain inspection resets the required 7 calendar day inspection requirement.

PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION B: RECORDKEEPING
1. E&S Plan Documentation
 The approved E&S plan as well as any approved deviation shall be kept on the site. The approved E&S plan must be kept up-to-date throughout the coverage under this permit. The following items pertaining to the E&S plan shall be documented in the manner described:

Item to Document	Documentation Requirements
(a) Each E&S Measure has been installed and does not significantly deviate from the locations, dimensions and relative elevations shown on the approved E&S Plan.	Initial and date each E&S Measure on a copy of the approved E&S Plan or complete, date and sign an inspection report that lists each E&S Measure shown on the approved E&S Plan. This documentation is required upon the initial installation of the E&S Measures or if the E&S Measures are modified after initial installation.
(b) A phase of grading has been completed.	Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate completion of the construction phase.
(c) Ground cover is located and installed in accordance with the approved E&S Plan.	Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate compliance with approved ground cover specifications.
(d) The maintenance and repair requirements for all E&S Measures have been performed.	Complete, date and sign an inspection report.
(e) Corrective actions have been taken to E&S Measures.	Initial and date a copy of the approved E&S Plan or complete, date and sign an inspection report to indicate the completion of the corrective action.

2. Additional Documentation
 In addition to the E&S Plan documents above, the following items shall be kept on the site and available for agency inspectors at all times during normal business hours, unless the Division provides a site-specific exemption based on unique site conditions that make this requirement not practical:

- (a) This general permit as well as the certificate of coverage, after it is received.
- (b) Records of inspections made during the previous 30 days. The permittee shall record the required observations on the Inspection Record Form provided by the Division or a similar inspection form that includes all the required elements. Use of electronically-available records in lieu of the required paper copies will be allowed if provided to provide equal access and utility as the hard-copy records.
- (c) All data used to complete the Notice of Intent and other inspection records shall be maintained for a period of three years after project completion and made available upon request. [40 CFR 122.41]

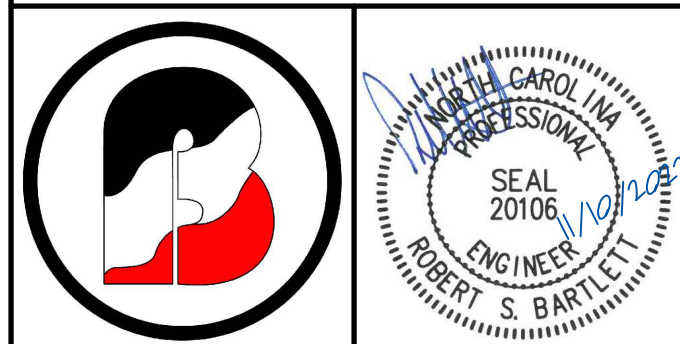
PART III SELF-INSPECTION, RECORDKEEPING AND REPORTING

SECTION C: REPORTING
1. Occurrences that must be reported
 Permittees shall report the following occurrences:

- (a) Visible sediment deposition in a stream or wetland.
- (b) Oil 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).
- (c) Releases of hazardous substances in excess of reportable quantities under Section 311 of 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.
- (d) Anticipated bypasses and unanticipated bypasses.
- (e) Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements
 After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 856-0368 or (919) 733-3300.

Occurrence	Reporting Timeframes (After Discovery) and Other Requirements
(a) Visible sediment deposition in a stream or wetland	<ul style="list-style-type: none"> • Within 24 hours, an oral or electronic notification. • Within 7 calendar days, a report that contains a description of the 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 NC 303(d) list 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.
(b) Oil spills and release of hazardous substances per Item 1(b)(c) above	<ul style="list-style-type: none"> • Within 24 hours, an oral or electronic notification. The notification shall include information about the date, time, nature, volume and location of the spill or release.
(c) Anticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> • A report at least ten days before the date of the bypass, if possible. The report shall include an evaluation of the anticipated quality and effect of the bypass.
(d) Unanticipated bypasses [40 CFR 122.41(m)(3)]	<ul style="list-style-type: none"> • Within 24 hours, an oral or electronic notification. • Within 7 calendar days, a report that includes an evaluation of the quality and effect of the bypass.
(e) Noncompliance with the conditions of this permit that may endanger health or the environment [40 CFR 122.41(i)(7)]	<ul style="list-style-type: none"> • Within 24 hours, an oral or electronic notification. • Within 7 calendar days, a report that contains a description of the noncompliance, and its causes; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time noncompliance is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence 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.



BARTLETT
 ENGINEERING & SURVEYING, PC
 1906 NASH STREET NORTH
 WILSON, N.C. 27893-1726
 License No. C-1551
 TELE: (252) 399-0704
 FAX: (252) 399-0804
 www.bartletteng.com

S&E NCG01
 DETAILS

1008 PENDER STREET
 CONCRETE REMOVAL AND REVEGETATION

DATE: NOV 2022
 SCALE(HORIZ): N/A
 SCALE(VERT): N/A
 REVISIONS:
 NCDEQ COMMENTS 10 NOV 2022

PROJECT: 22-525
 CLIENT CODE: WC
 CADFILE: 22525SE2
 FIELD BOOK: N/A
 DRAWN BY: LR, DV
 SURVEY BY: N/A

CITY OF WILSON WILSON COUNTY
 NORTH CAROLINA ZONE: LI
 PIN # 3721-44-2912 SHEET DT2