

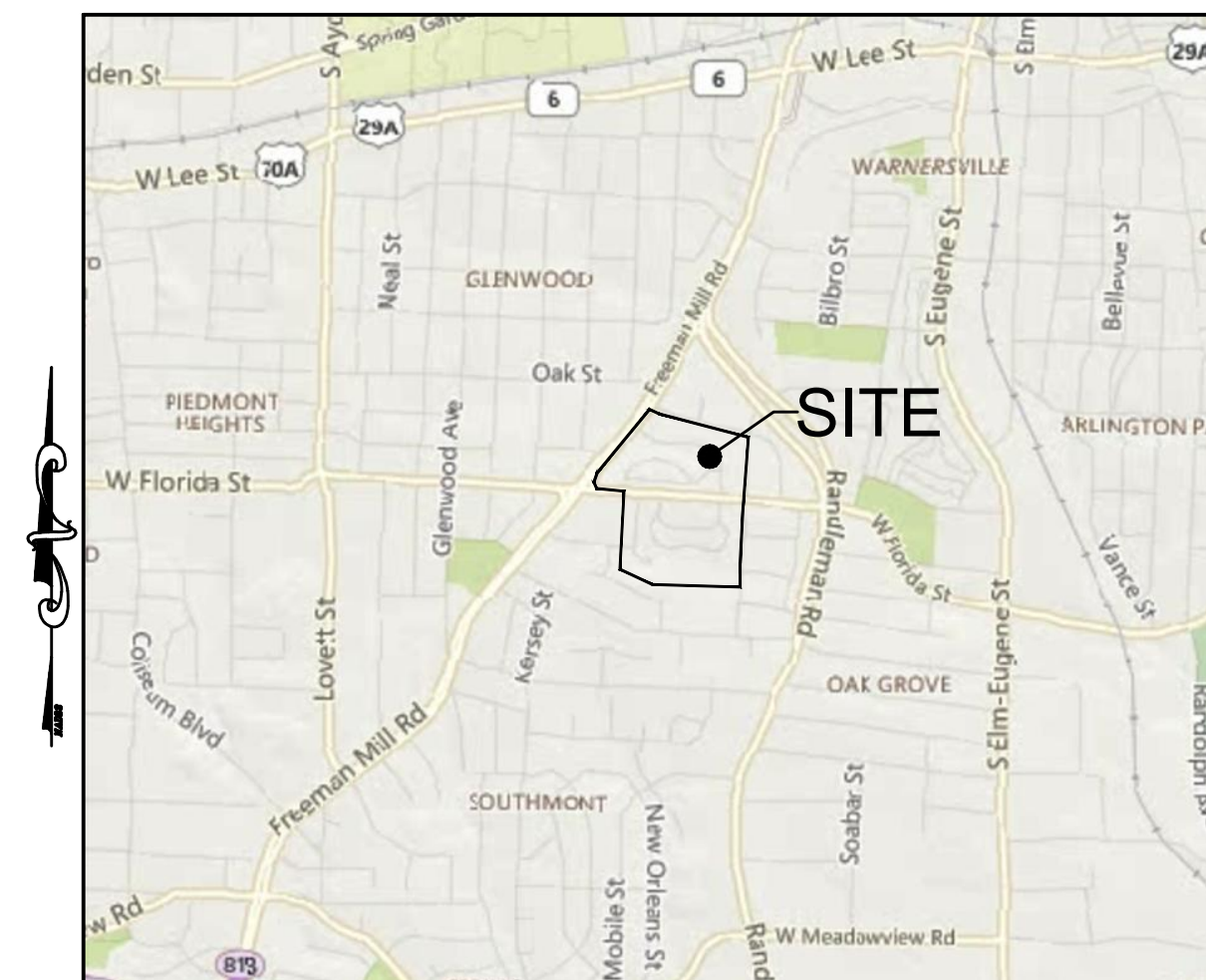
THE ARBORS AT SOUTH CROSSING

DEMOLITION

802 W. FLORIDA STREET,
GREENSBORO, NC 27406

SITE DATA

1. TYPE OF SUBMITTAL:	DEMOLITION PACKAGE
2. PIN #:	7863297458
3. PARCEL ID NUMBER:	5702
4. ADDRESS:	802 W. FLORIDA STREET, GREENSBORO, NC 27406
5. ZONING:	RM-12
6. ADJACENT ZONING:	RM-12, CD-C-M
7. OWNER:	GREENSBORO HOUSING AUTHORITY
8. CURRENT USE:	RESIDENTIAL - MULTI-FAMILY
9. PROPOSED USE:	RESIDENTIAL - MULTI-FAMILY
10. ADJACENT USE:	RESIDENTIAL - MULTI-FAMILY
11. DEED BOOK REFERENCE:	DB 1041 - PG 218
12. PLAT BOOK REFERENCE:	PB 21 - PG 57
13. PROJECT AREA:	22.32 AC



VICINITY MAP
1" = 2,000'

SHEET INDEX	
SHEET NUMBER	SHEET TITLE
C-000	COVER SHEET
C-100	OVERALL PLAN & DRAINAGE MAP
C-101	EXISTING CONDITIONS
C-102	EXISTING CONDITIONS
C-200	PHASE 2A - DEMOLITION & EROSION CONTROL PLAN
C-201	PHASE 2B - DEMOLITION & EROSION CONTROL PLAN
C-202	PHASE 3A - DEMOLITION & EROSION CONTROL PLAN
C-203	PHASE 3A - DEMOLITION & EROSION CONTROL PLAN
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C-205	PHASE 3B - DEMOLITION & EROSION CONTROL PLAN
C-206	PHASE 1A - DEMOLITION & EROSION CONTROL PLAN
C-207	PHASE 1A - DEMOLITION & EROSION CONTROL PLAN
C-208	PHASE 1B - DEMOLITION & EROSION CONTROL PLAN
C-209	PHASE 1B - DEMOLITION & EROSION CONTROL PLAN
C-300	NOTES & DETAILS
C-301	NOTES & DETAILS
C-302	NOTES & DETAILS

CIVIL ENGINEER

TIMMONS GROUP
8642 W. MARKET STREET, SUITE 136
GREENSBORO, NC 27409
PROJECT MANAGER: ADAM CARROLL, PE
PHONE: (336) 478-3346
EMAIL: ADAM.CARROLL@TIMMONS.COM

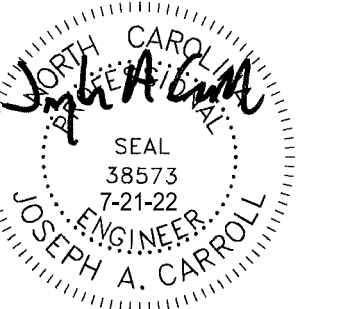
OWNER/DEVELOPER

GREENSBORO HOUSING AUTHORITY
450 NORTH CHURCH ST.,
GREENSBORO, NC 27401
CONTACT: JAMES COX, PRESIDENT/CEO
PHONE: (336) 275-8501
EMAIL: JCOX@GHA-NC.ORG



Know what's below.
Call before you dig.

AT LEAST 72 HOURS PRIOR TO CONSTRUCTION OR EXCAVATION THE CONTRACTOR SHALL NOTIFY "NORTH CAROLINA ONE CALL" (811) OR (1-800-632-4949) TO HAVE EXISTING UTILITIES LOCATED.
ALL LOCAL UTILITY PROVIDERS USING THEIR OWN LOCATING SERVICE SHALL BE CONTACTED BY THE CONTRACTOR.



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Greensboro
Housing
Authority



DATE
11/22/2019
DRAWN BY
M. MARTIN
DESIGNED BY
M. MARTIN
CHECKED BY
A. CARROLL
SCALE
AS SHOWN

TIMMONS GROUP
THE ARBORS AT SOUTH CROSSING - DEMOLITION
CITY OF GREENSBORO - NORTH CAROLINA
COVER SHEET

JOB NO.
42847
SHEET NO.
C-000

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SHEETS: C-101, C-200, C-202

SHEETS: C-102, C-201, C-203



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Greensboro Housing Authority



TIMMONS GROUP

THE ARBORS AT SOUTH CROSSING - DEMOLITION
 CITY OF GREENSBORO - NORTH CAROLINA
OVERALL PLAN & DRAINAGE MAP

DATE	REVISION DESCRIPTION
3/25/21	NCDEQ EROSION CONTROL COMMENTS
3/30/21	NCDEQ EROSION CONTROL COMMENTS
5/15/21	NCDEQ APPROVED SET
6/24/22	REVISED PHASING
7/21/22	BID SET

DATE: 11/22/2019
 DRAWN BY: M. MARTIN
 DESIGNED BY: M. MARTIN
 CHECKED BY: A. CARROLL
 SCALE: 1" = 100'

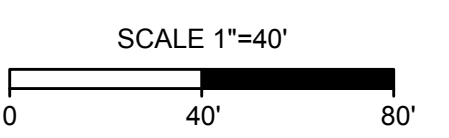
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 SHEET NO. C-100

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EXISTING CONDITIONS LEGEND

IPF - IRON PIPE FOUND	● BOLLARD	○ SIGN
IRF - IRON ROD FOUND	MH STORM SEWER	⊠ SPRINKLER HEAD
IRS - IRON PIPE SET	MH SANITARY SEWER	⊠ SPRINKLER VALVE
PT - CALCULATED POINT	MH ELECTRIC	⊠ GAS METER
CM - CONCRETE MONUMENT	MH TELEPHONE	⊠ GAS VALVE
⊠ FIRE HYDRANT	MH WATER	⊠ FLAG POLE
⊠ ELECTRIC BOX	⊠ SPRINKLER BOX	⊠ GROUND LAMP
⊠ TELEPHONE PEDESTAL	⊠ ELECTRIC METER	⊠ CLEAN OUT
⊠ CABLE TV PEDESTAL	⊠ WATER METER	⊠ WATER VALVE
⊠ POWER POLE < GUY	⊠ WATER VALVE	⊠ ROOF DRAIN
⊠ LIGHT POLE	⊠ ROOF DRAIN	⊠ BRICK
⊠ YARD LIGHT	⊠ STORM LINE	⊠ CONCRETE
⊠ WELL	⊠ SANITARY LINE	
R/W - RIGHT-OF-WAY	⊠ FENCE	
P/L - PROPERTY LINE	⊠ OVERHEAD POWER LINE	
C/L - CENTERLINE	⊠ PAINTED GAS LINE	
NTS - NOT TO SCALE	⊠ PAINTED POWER LINE	
CB - CATCH BASIN	⊠ PAINTED TELEPHONE LINE	
GI - GRATE INLET	⊠ PAINTED WATER LINE	
YI - YARD INLET	⊠ EDGE OF WOODS	
CI - CURB INLET		
EP - EDGE OF PAVING	⊠ RCP - REINFORCED CONCRETE PIPE	
TBC - TOP BACK OF CURB	⊠ CMP - CORRUGATED METAL PIPE	
DB - DEED BOOK	⊠ CPP - CORRUGATED PLASTIC PIPE	
PB - PLAT BOOK PG - PAGE	⊠ DIP - DUCTILE IRON PIPE	
SF - SQUARE FEET	⊠ VCP - VITRIFIED CLAY PIPE	
(T) - INDICATES POINTS SET BY TIMMONS GROUP	⊠ HDPE - HIGH DENSITY POLYETHYLENE PIPE	
○ CALCULATED POINT UNLESS OTHERWISE NOTED	⊠ HVAC - HEATING, VENTILATION AND AIR CONDITIONING	
⊠ MAILBOX	⊠ CONTROLLED ACCESS	
⊠ MH GREASE	⊠ TRAFFIC SIGNAL POLE	

SURVEY INFORMATION PROVIDED BY JC WALLER & ASSOCIATES, PC DATED MARCH 11, 2021.

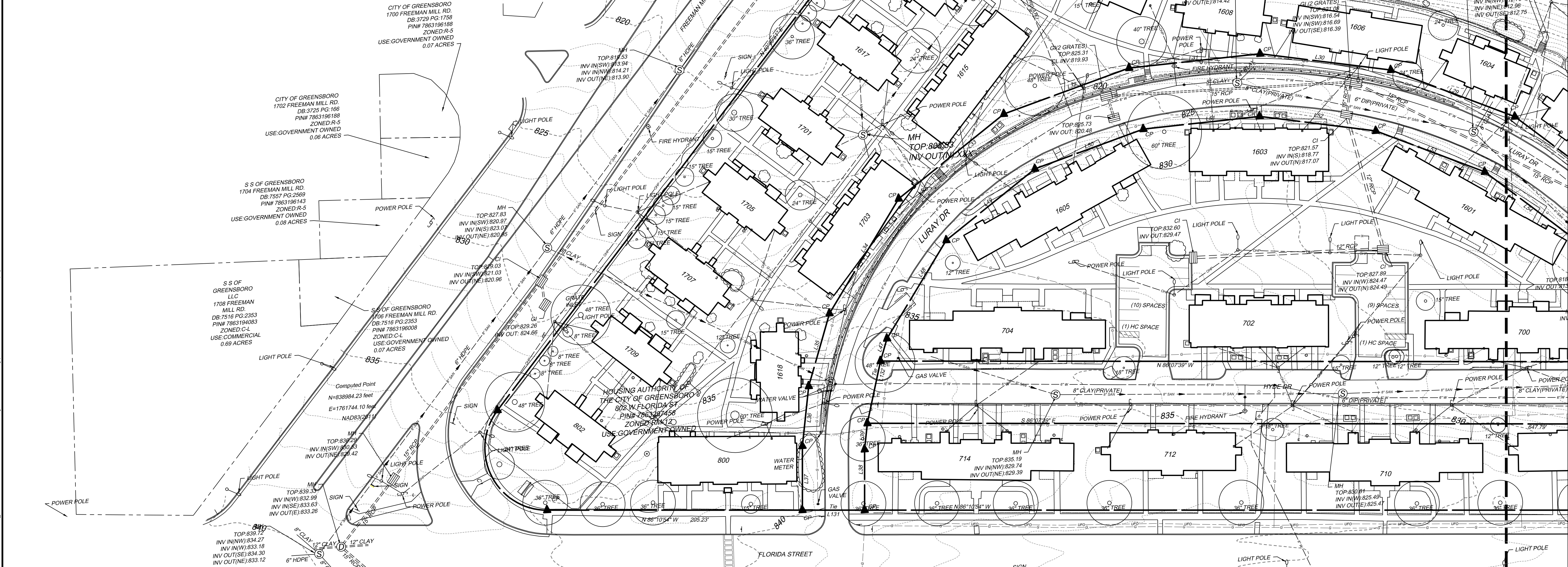


PARCEL LINE DATA

LINE#	BEARING	DISTANCE	LINE#	BEARING	DISTANCE
L1	N 04°02'09" W	92.44	L31	S 87°56'06" W	105.97
L2	N 22°51'39" W	59.33	L32	S 73°40'36" W	107.17
L3	N 43°29'39" W	108.44	L33	S 54°58'21" W	108.53
L4	N 61°09'39" W	107.49	L34	S 34°56'21" W	107.75
L5	N 77°35'09" W	105.63	L35	S 19°43'51" W	60.75
L6	N 80°08'24" W	95.04	L36	S 09°51'21" W	48.39
L7	N 64°11'54" W	93.92	L37	S 03°49'36" W	51.48
L8	N 52°24'54" W	46.29	L38	S 03°49'36" E	48.98
L9	N 47°15'24" W	54.21	L39	S 09°51'21" E	21.08
L10	S 47°15'24" E	54.93	L40	S 82°21'51" E	57.61
L11	S 52°24'54" E	53.71	L41	S 56°36'21" E	70.59
L12	S 64°11'54" E	106.08	L42	N 41°43'06" E	86.29
L13	S 80°08'24" E	104.96	L43	S 51°06'06" E	44.64
L14	S 77°35'09" E	94.37	L44	S 66°09'51" E	42.13
L15	S 61°09'39" E	92.51	L45	S 86°51'51" E	44.03
L16	S 43°29'39" E	91.58	L46	S 86°41'24" E	34.93
L17	S 22°51'39" E	41.94	L47	N 19°43'51" E	18.82
L18	S 04°02'09" E	44.01	L48	N 34°56'21" E	92.25
L19	S 86°41'24" W	34.53	L49	N 54°58'21" E	91.47
L20	S 86°51'51" W	55.97	L50	N 73°40'36" E	92.83
L21	S 66°09'51" W	57.87	L51	N 87°36'06" E	94.03
L22	S 51°06'06" W	65.36	L52	S 79°05'09" E	94.13
L23	S 41°43'06" W	79.71	L53	S 65°35'39" E	93.48
L24	S 65°50'36" W	20.21	L54	S 49°23'09" E	92.43
L25	S 81°3'06" W	20.04	L55	S 31°09'39" E	99.93
L26	N 49°03'24" W	34.48	L56	S 49°03'24" E	24.23
L27	N 31°09'39" W	100.07	L57	S 82°21'51" W	4.15
L28	N 49°23'09" W	107.57	L58	N 86°10'54" W	50.00
L29	N 65°35'39" W	106.52	L59	N 86°10'54" W	50.00
L30	N 79°05'09" W	105.87	L60	N 15°48'50" E	51.11

PARCEL CURVE DATA

CURVE#	RADIUS	ARC LENGTH	CHORD BEARING	CHORD LENGTH
C1	50.00'	110.98'	N 22°33'51" W	89.58'



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REVISION DESCRIPTION

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3/25/21	NCDEQ EROSION CONTROL COMMENTS
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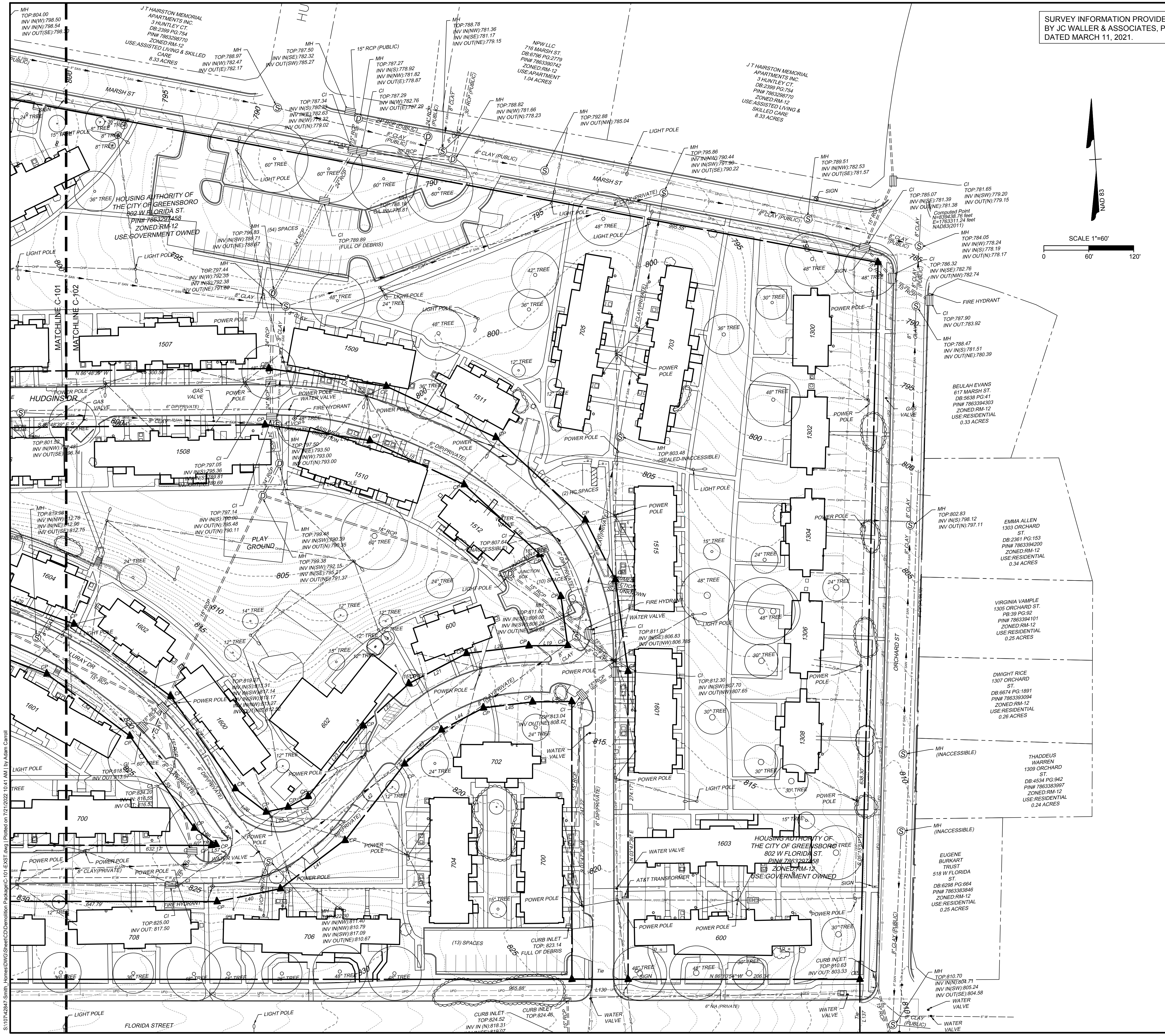
DATE: 11/22/2019
 DRAWN BY: M. MARTIN
 DESIGNED BY: M. MARTIN
 CHECKED BY: A. CARROLL
 SCALE: 1" = 40'

TIMMONS GROUP

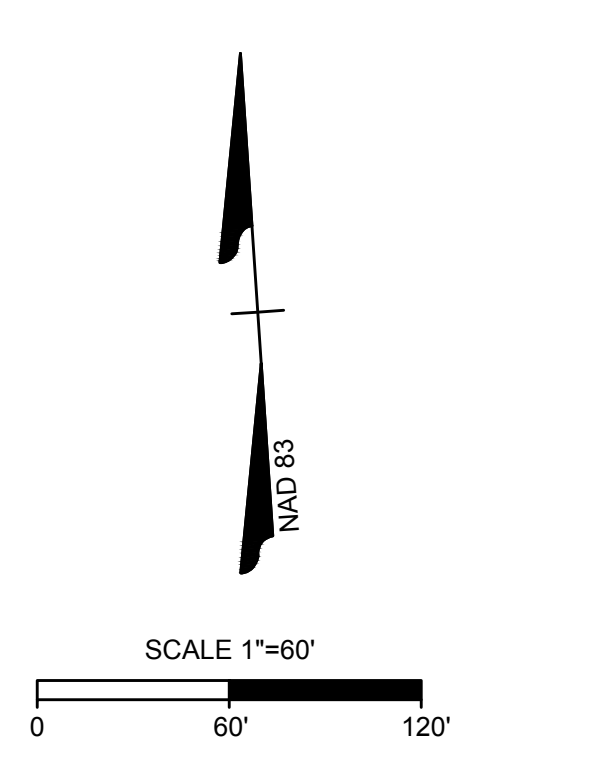
THE ARBORS AT SOUTH CROSSING - DEMOLITION
 CITY OF GREENSBORO - NORTH CAROLINA
 EXISTING CONDITIONS

JOB NO. 42847
 SHEET NO. C-101

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SF - SQUARE FEET	⊙ VCP - VITRIFIED CLAY PIPE	
(*) - INDICATES POINTS SET BY TIMMONS GROUP IN 2009	⊙ HDPE - HIGH DENSITY POLYETHYLENE PIPE	
⊙ CALCULATED POINT UNLESS OTHERWISE NOTED	⊙ HVAC - HEATING VENTILATION AND AIR CONDITIONING	
⊙ MAILBOX	⊙ NOTED	
⊙ MH GREASE	⊙ CONTROLLED ACCESS	
	⊙ TRAFFIC SIGNAL POLE	

PARCEL LINE DATA

LINE	BEARING	DISTANCE	L31	BEARING	DISTANCE
L1	N 04°02'09" W	82.44	L32	S 73°40'36" W	105.97
L2	N 22°51'39" W	59.33	L33	S 54°58'21" W	108.53
L3	N 43°29'39" W	108.44	L34	S 34°56'21" W	107.75
L4	N 61°09'39" W	107.49	L35	N 19°43'51" W	60.75
L5	N 77°35'09" W	105.63	L36	S 09°51'21" W	48.39
L6	N 80°08'24" W	95.04	L37	S 03°49'36" W	51.48
L7	N 64°11'54" W	93.92	L38	N 03°49'36" E	48.84
L8	N 52°24'54" W	46.29	L39	N 09°51'21" E	21.08
L9	N 47°15'24" W	54.21	L40	N 82°21'51" E	57.61
L10	S 47°15'24" E	54.93	L41	N 56°36'21" E	70.59
L11	S 52°24'54" E	53.71	L42	N 41°43'06" E	86.29
L12	S 64°11'54" E	106.08	L43	N 51°08'06" E	44.64
L13	S 80°08'24" E	104.96	L44	N 66°09'51" E	42.13
L14	S 77°35'09" E	94.37	L45	N 86°51'51" E	44.03
L15	S 61°09'39" E	92.51	L46	N 86°41'24" E	34.93
L16	S 43°29'39" E	91.86	L47	N 19°43'51" E	18.82
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L19	N 86°41'24" W	34.53	L50	N 73°40'36" W	92.83
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L21	N 66°09'51" W	57.87	L52	N 79°05'09" W	94.13
L22	N 51°08'06" W	55.36	L53	N 65°35'39" W	93.48
L23	N 41°43'06" W	79.71	L54	N 49°23'09" W	92.43
L24	N 65°08'36" W	20.21	L55	S 31°09'39" W	99.93
L25	N 61°13'06" W	20.04	L56	S 49°03'24" W	24.23
L26	N 49°03'24" W	34.48	L57	S 82°21'51" W	41.57
L27	N 31°09'39" W	100.07	L58	N 46°59'51" W	50.02
L28	N 49°23'09" W	107.57	L59	N 86°10'54" W	50.00
L29	N 65°35'39" W	106.52	L60	N 86°10'54" W	50.00
L30	N 79°05'09" W	105.87	L61	N 15°48'50" E	51.11

PARCEL CURVE DATA

CURVE	RADIUS	ARC LENGTH	CHORD	BEARING	CHORD LENGTH
C1	50.00'	110.98'	N 22°35'31" W	89.56'	



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REVISIONS

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DESIGNED BY
M. MARTIN

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A. CARROLL

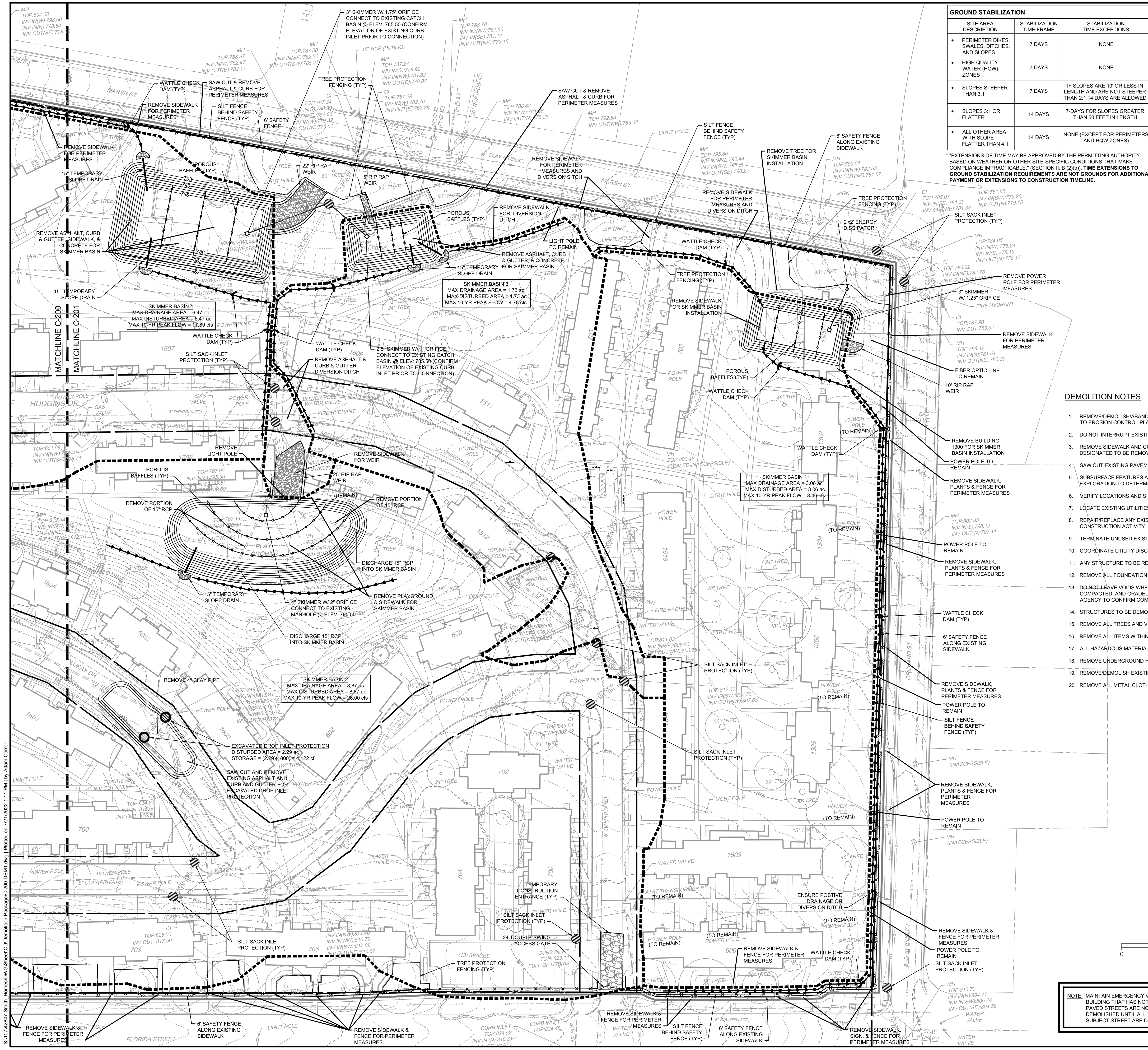
SCALE
1" = 40'

TIMMONS GROUP

THE ARBORS AT SOUTH CROSSING - DEMOLITION
 CITY OF GREENSBORO - NORTH CAROLINA
 EXISTING CONDITIONS

JOB NO. 42847
 SHEET NO. C-102

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GROUND STABILIZATION		
SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1 14 DAYS ARE ALLOWED
SLOPES 3:1 OR FLATTER	14 DAYS	7-DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREA WITH SLOPE FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HOW ZONES)

- ### EROSION CONTROL NOTES
- DO NOT WORK OR DISTURB LAND OUTSIDE LIMITS OF CONSTRUCTION.
 - ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH NCDQE STANDARDS.
 - INSPECT EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL. MAINTAIN MEASURES AS NECESSARY.
 - GROUND COVER SHALL BE ESTABLISHED WITHIN 15 WORKING DAYS BUT NO MORE THAN 21 CALENDAR DAYS AFTER COMPLETION OF ANY PHASE OF GRADING. PERMANENT GROUND COVER SHALL BE ESTABLISHED WITHIN 15 WORKING DAYS OR NO MORE THAN 21 CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION.
 - KEEP MUD OFF STREETS DURING CONSTRUCTION.
 - PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM DISTURBED SOIL SURFACES THAT MAY CAUSE OFF-SITE DAMAGE, HEALTH HAZARDS, AND/OR TRAFFIC SAFETY PROBLEMS.
 - INSTALL ADDITIONAL EROSION CONTROL MEASURES (I.E. SILT FENCE, DIVERSIONS) AS NECESSARY TO AVOID TRANSFER OF SEDIMENT FROM THE SITE.
 - PERMANENT GROUND COVER WILL BE PROVIDED FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR NO MORE THAN 30 CALENDAR DAYS (WHICHEVER IS SHORTER).
 - IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE HEALTH OF ALL TREES TO REMAIN.

- ### PHASE 1 EROSION CONTROL SEQUENCE
- OBTAIN ALL NECESSARY PERMITS FROM THE PROPER AUTHORITIES.
 - A LAND DISTURBANCE PRE-CONSTRUCTION CONFERENCE IS MANDATORY BEFORE ANY WORK IS DONE AT THE SITE. OWNER WILL ISSUE NOTICE TO PROCEED AND ARRANGE A PRE-CONSTRUCTION MEETING WITH THE OWNER, OWNER'S ENGINEER, AND A REPRESENTATIVE FROM NCDQE PRIOR TO LAND DISTURBING ACTIVITY.
 - INSTALL CONSTRUCTION ENTRANCES AT THE LOCATIONS SHOWN. ANY SEDIMENT ACCUMULATION ON ADJACENT PUBLIC ROADS AS A RESULT OF THE PROJECT AND TRAFFIC FROM THE PROJECT SHALL BE IMMEDIATELY CLEANED.
 - DEMOLISH ITEMS ONLY IN AREAS REQUIRED TO INSTALL THE EROSION CONTROL DEVICES.
 - INSTALL SILT FENCE AND TREE PROTECTION FENCING AS SHOWN ON THE PLAN IN ACCORDANCE WITH THE LATEST NORTH CAROLINA EROSION AND SEDIMENT CONTROL PLANNING DESIGN MANUAL AND PROJECT SPECIFICATIONS.
 - EXCAVATE SKIMMER BASINS TO THE ELEVATIONS SHOWN ON THE PLAN AND INSTALL OUTLET STRUCTURE.
 - INSTALL DIVERSION DITCHES AND ENSURE POSITIVE DRAINAGE TO BASINS AT ALL TIMES.
 - ADJUST EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY FOR PROPER OPERATION. INSTALL ADDITIONAL EROSION CONTROL MEASURES IF DETERMINED NECESSARY BY THE EROSION CONTROL INSPECTOR.
 - STABILIZE STOCKPILES, DAMS, DIKES AND DIVERSIONS WITH TEMPORARY GRASS SEEDING AND PROVIDE SILT FENCE AROUND THE PERIMETER OF STOCKPILES. SEE GROUND STABILIZATION TABLE FOR STABILIZATION TIME FRAMES.
 - ENSURE DRAINAGE PATTERN TO SEDIMENT BASIN AT ALL TIMES AND ADJUST EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY FOR PROPER OPERATION.
 - ONCE PHASE 1 MEASURES ARE STABLE AND FUNCTIONING, CONTINUE TO PHASE 2 SEQUENCE.

- ### DEMOLITION NOTES
- REMOVE/DEMOLISH/ABANDON AFTER EROSION CONTROL MEASURES ARE IN PLACE AND APPROVAL OF THE INSPECTOR. REFER TO EROSION CONTROL PLAN.
 - DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY OTHERS AT ANY TIME.
 - REMOVE SIDEWALK AND CURB AND GUTTER SECTIONS BY SAW CUTTING THE NEAREST CONTROL JOINT AWAY FROM THE AREA DESIGNATED TO BE REMOVED ON THE DEMOLITION PLAN.
 - SAW CUT EXISTING PAVEMENT TO BE REMOVED AT ALL EDGES WHEN ABUTTING EXISTING PAVEMENT TO REMAIN.
 - SUBSURFACE FEATURES ARE SHOWN IN APPROXIMATE LOCATION. CONTRACTOR IS RESPONSIBLE FOR SUBSURFACE UTILITY EXPLORATION TO DETERMINE UTILITY LOCATIONS AND DEPTHS.
 - VERIFY LOCATIONS AND SIZES OF ALL EXISTING FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
 - LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION.
 - REPAIR/REPLACE ANY EXISTING SIDEWALK, CURB AND GUTTER, AND/OR ASPHALT TO REMAIN THAT HAS BEEN DAMAGED BY CONSTRUCTION ACTIVITY.
 - TERMINATE UNUSED EXISTING UTILITY SERVICES AT THE MAIN PER CITY OF GREENSBORO STANDARDS.
 - COORDINATE UTILITY DISCONNECTIONS, DEMOLITION, AND REMOVAL OF METERS WITH PROVIDERS.
 - ANY STRUCTURE TO BE REMOVED SHALL REQUIRE A DEMOLITION PERMIT FROM BUILDING INSPECTORS.
 - REMOVE ALL FOUNDATIONS AND UNDERGROUND STRUCTURES ASSOCIATED WITH EXISTING STRUCTURES TO BE DEMOLISHED.
 - DO NOT LEAVE VOIDS WHERE ITEMS HAVE BEEN REMOVED. ALL DEMOLISHED AREAS ARE TO BE BACKFILLED TO GRADE, COMPACTED, AND GRADED FOR POSITIVE DRAINAGE TOWARDS EROSION CONTROL MEASURES. ENGAGE AND PAY FOR TESTING AGENCY TO CONFIRM COMPACTION TO 95% STANDARD PROCTOR.
 - STRUCTURES TO BE DEMOLISHED ARE TO BE REMOVED IN THEIR ENTIRETY, INCLUDING BASEMENTS AND BUTTRESS WALLS.
 - REMOVE ALL TREES AND VEGETATION WITHIN THE PROJECT LIMITS OTHER THAN INDIVIDUAL SPECIMENS NOTED TO REMAIN.
 - REMOVE ALL ITEMS WITHIN PROJECT LIMITS OTHER THAN INDIVIDUAL ITEMS NOTED TO REMAIN.
 - ALL HAZARDOUS MATERIAL IS TO BE REMOVED IN ACCORDANCE WITH REGULATIONS.
 - REMOVE UNDERGROUND HVAC LINES AND CONCRETE CONDENSER PADS.
 - REMOVE/DEMOLISH EXISTING BUILDINGS, FOUNDATIONS & ASSOCIATED UTILITY SERVICES (COORDINATE WITH PROVIDERS).
 - REMOVE ALL METAL CLOTHES LINE POSTS.

EROSION CONTROL LEGEND

- SLOPE DRAIN
- INLET PROTECTION
- EXCAVATED DROP INLET PROTECTION
- STONE OUTLET
- WATTLE CHECK DAM
- SKIMMER
- CONSTRUCTION ENTRANCE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SILT FENCE
- TREE PROTECTION FENCE
- LIMITS OF DISTURBANCE
- DIVERSION DITCH
- POROUS BAFFLE
- DRAINAGE AREA
- SAFETY FENCE

LIMITS OF DISTURBANCE = 22.32 ACRES

NOTE: INSPECT AND REPAIR ALL EROSION CONTROL DEVICES ONCE PER WEEK AND AFTER EVERY RAIN EVENT.

NOTE: MAINTAIN EMERGENCY VEHICLE ACCESS TO ANY BUILDING THAT HAS NOT YET BEEN DEMOLISHED. PAVED STREETS ARE NOT TO BE OBSTRUCTED OR DEMOLISHED UNTIL ALL BUILDINGS ACCESSED BY SUBJECT STREET ARE DEMOLISHED.



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DATE	REVISION DESCRIPTION
3/25/21	NCDQE EROSION CONTROL COMMENTS
3/30/21	NCDQE EROSION CONTROL COMMENTS
5/15/21	NCDQE APPROVED SET
6/24/22	REVISED PHASING
7/21/22	BID SET

DATE: 11/22/2019
 DRAWN BY: M. MARTIN
 DESIGNED BY: M. MARTIN
 CHECKED BY: A. CARROLL
 SCALE: 1" = 40'

TIMMONS GROUP

THE ARBORS AT SOUTH CROSSING - DEMOLITION
 CITY OF GREENSBORO - NORTH CAROLINA
 PHASE 1 - DEMOLITION & EROSION CONTROL PLAN

JOB NO. 42847
 SHEET NO. C-201

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EROSION CONTROL NOTES

- DO NOT WORK OR DISTURB LAND OUTSIDE LIMITS OF CONSTRUCTION.
- ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL COMPLY WITH NCDCEQ STANDARDS.
- INSPECT EROSION AND SEDIMENT CONTROL MEASURES WEEKLY AND AFTER EACH SIGNIFICANT RAINFALL. MAINTAIN MEASURES AS NECESSARY.
- GROUND COVER SHALL BE ESTABLISHED WITHIN 15 WORKING DAYS BUT NO MORE THAN 21 CALENDAR DAYS AFTER COMPLETION OF ANY PHASE OF GRADING. PERMANENT GROUND COVER SHALL BE ESTABLISHED WITHIN 15 WORKING DAYS OR NO MORE THAN 21 CALENDAR DAYS FOLLOWING COMPLETION OF CONSTRUCTION.
- KEEP MUD OFF STREETS DURING CONSTRUCTION.
- PREVENT SURFACE AND AIR MOVEMENT OF DUST FROM DISTURBED SOIL SURFACES THAT MAY CAUSE OFF-SITE DAMAGE, HEALTH HAZARDS, AND/OR TRAFFIC SAFETY PROBLEMS.
- INSTALL ADDITIONAL EROSION CONTROL MEASURES (I.E. SILT FENCE, DIVERSIONS) AS NECESSARY TO AVOID TRANSFER OF SEDIMENT FROM THE SITE.
- PERMANENT GROUND COVER WILL BE PROVIDED FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR NO MORE THAN 90 CALENDAR DAYS (WHICHEVER IS SHORTER).
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROTECT THE HEALTH OF ALL TREES TO REMAIN.

PHASE 2 EROSION CONTROL SEQUENCE

- MAINTAIN ALL EROSION CONTROL MEASURES INSTALLED IN THE IN THE PHASE 1 EROSION CONTROL PLAN.
- ADJUST EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY FOR PROPER OPERATION. INSTALL ADDITIONAL EROSION CONTROL MEASURES IF DETERMINED NECESSARY BY THE EROSION CONTROL INSPECTOR.
- STABILIZE STOCKPILES, DAMS, DIKES AND DIVERSIONS WITH TEMPORARY GRASS SEEDING AND PROVIDE SILT FENCE AROUND THE PERIMETER OF STOCKPILES. SEE GROUND STABILIZATION TABLE FOR STABILIZATION TIME FRAMES.
- ENSURE DRAINAGE PATTERN TO SEDIMENT BASINS AT ALL TIMES AND ADJUST EROSION AND SEDIMENT CONTROL MEASURES AS NECESSARY FOR PROPER OPERATION.
- BEGIN DEMOLITION OF SITE FEATURES AS SHOWN ON THE PLAN.
- ESTABLISH DIVERSIONS AT END OF EACH WORKING DAY. STABILIZE DENUDEED AREAS AS NECESSARY WITH GRASS SEEDING AND MULCH.
- ONCE CONTRIBUTING AREAS HAVE BEEN STABILIZED AND APPROVED BY NCDCEQ INSPECTOR, REMOVE EROSION CONTROL MEASURES FROM ALL PHASES.

DEMOLITION NOTES

- REMOVE/DEMOLISH/ABANDON AFTER EROSION CONTROL MEASURES ARE IN PLACE AND APPROVAL OF THE INSPECTOR. REFER TO EROSION CONTROL PLAN.
- DO NOT INTERRUPT EXISTING UTILITIES SERVING FACILITIES OCCUPIED BY OTHERS AT ANY TIME.
- REMOVE SIDEWALK AND CURB AND GUTTER SECTIONS BY SAW CUTTING THE NEAREST CONTROL JOINT AWAY FROM THE AREA DESIGNATED TO BE REMOVED ON THE DEMOLITION PLAN.
- SAW CUT EXISTING PAVEMENT TO BE REMOVED AT ALL EDGES WHEN ABUTTING EXISTING PAVEMENT TO REMAIN.
- SUBSURFACE FEATURES ARE SHOWN IN APPROXIMATE LOCATION. CONTRACTOR IS RESPONSIBLE FOR SUBSURFACE UTILITY EXPLORATION TO DETERMINE UTILITY LOCATIONS AND DEPTHS.
- VERIFY LOCATIONS AND SIZES OF ALL EXISTING FEATURES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- LOCATE EXISTING UTILITIES PRIOR TO CONSTRUCTION.
- REPAIR/REPLACE ANY EXISTING SIDEWALK, CURB AND GUTTER, AND/OR ASPHALT TO REMAIN THAT HAS BEEN DAMAGED BY CONSTRUCTION ACTIVITY.
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- REMOVE/DEMOLISH EXISTING BUILDINGS, FOUNDATIONS & ASSOCIATED UTILITY SERVICES (COORDINATE WITH PROVIDERS).
- REMOVE ALL METAL CLOTHES LINE POSTS.

GROUND STABILIZATION

SITE AREA DESCRIPTION	STABILIZATION TIME FRAME	STABILIZATION TIME EXCEPTIONS
PERIMETER DIKES, SWALES, DITCHES, AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HOW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1 14 DAYS ARE ALLOWED
SLOPES 3:1 OR FLATTER	14 DAYS	7-DAYS FOR SLOPES GREATER THAN 50 FEET IN LENGTH
ALL OTHER AREA WITH SLOPE FLATTER THAN 4:1	14 DAYS	NONE (EXCEPT FOR PERIMETERS AND HOW ZONES)

*EXTENSIONS OF TIME MAY BE APPROVED BY THE PERMITTING AUTHORITY BASED ON WEATHER OR OTHER SITE-SPECIFIC CONDITIONS THAT MAKE COMPLIANCE IMPRACTICABLE. (SECTION II, B (2)(iv)) TIME EXTENSIONS TO GROUND STABILIZATION REQUIREMENTS ARE NOT GROUNDS FOR ADDITIONAL PAYMENT OR EXTENSIONS TO CONSTRUCTION TIMELINE

DEMOLITION LEGEND

- REMOVE
- REMOVE
- REMOVE BUILDING
- REMOVE BUILDING / BASEMENT / BUTTRESS WALL

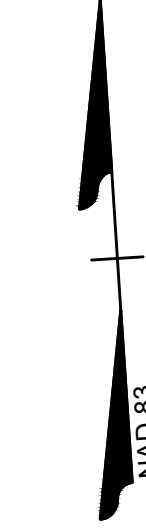
EROSION CONTROL LEGEND

- SLOPE DRAIN
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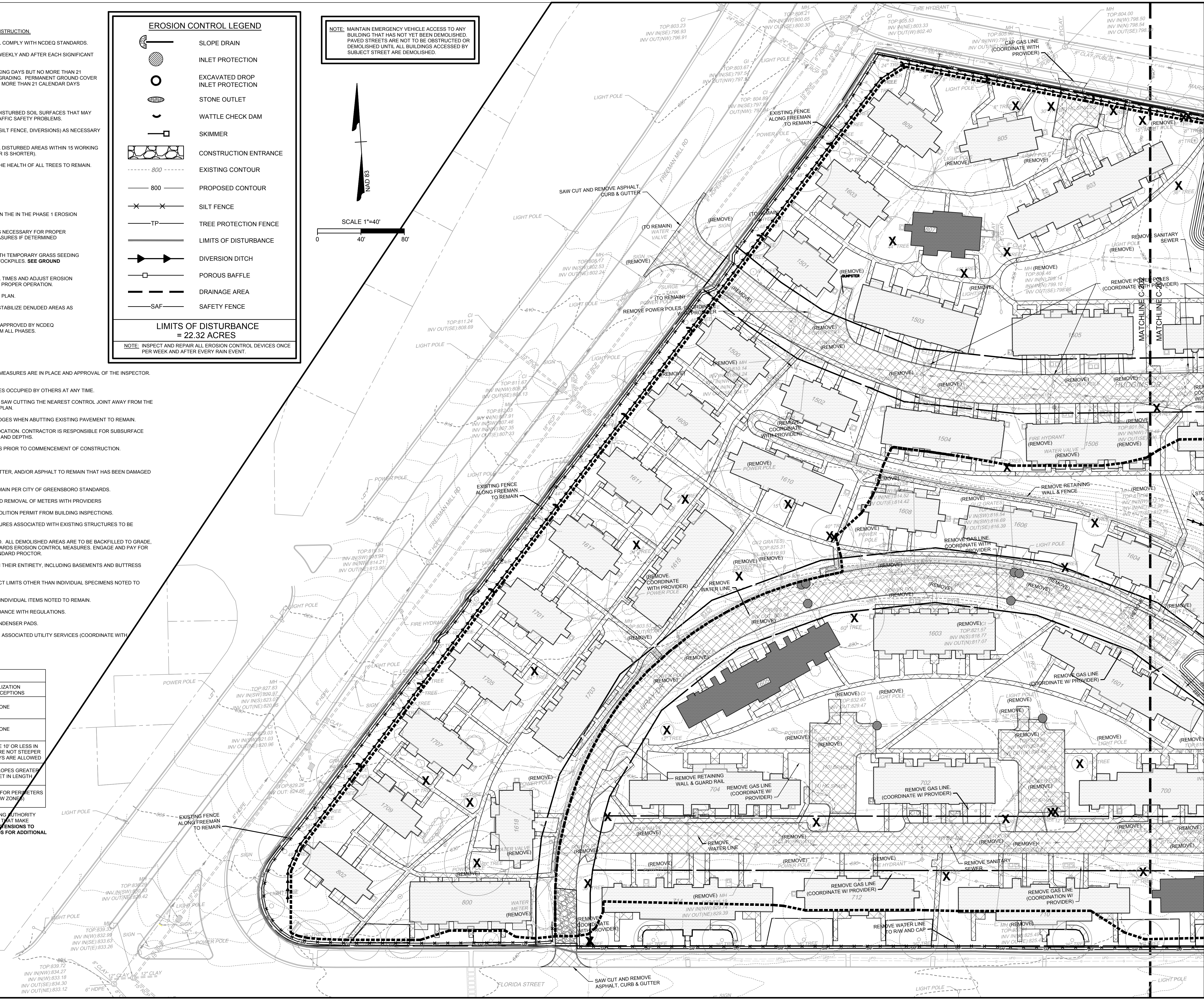
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SCALE 1"=40'



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Greensboro Housing Authority



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DATE 11/22/2019

DRAWN BY M. MARTIN

DESIGNED BY M. MARTIN

CHECKED BY A. CARROLL

SCALE 1" = 40'

JOB NO. 42847

SHEET NO. C-202

THE ARBORS AT SOUTH CROSSING - DEMOLITION

CITY OF GREENSBORO - NORTH CAROLINA

PHASE 2 - DEMOLITION & EROSION CONTROL PLAN

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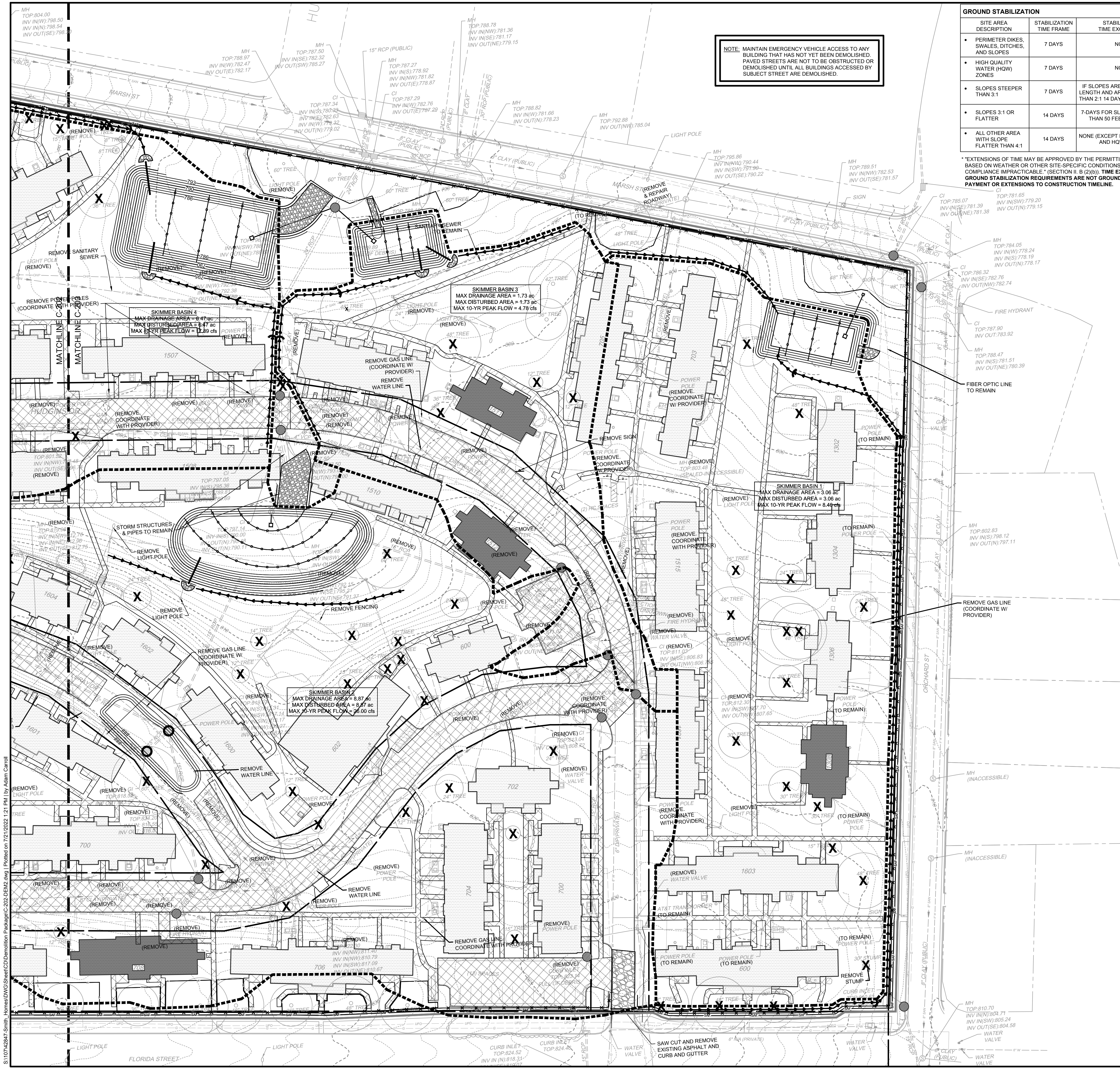
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 - REMOVE ALL METAL CLOTHES LINE POSTS.

DEMOLITION LEGEND

- REMOVE
- REMOVE
- REMOVE BUILDING
- REMOVE BUILDING W/ BASEMENT / BUTTRESS WALL

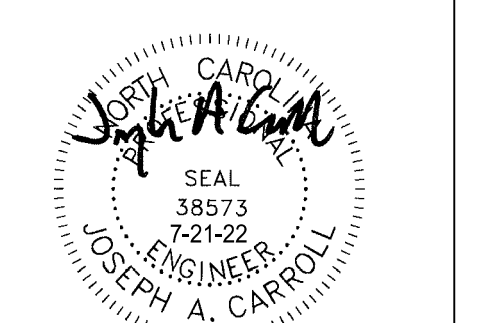
EROSION CONTROL LEGEND

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SCALE 1"=40'

LIMITS OF DISTURBANCE = 22.32 ACRES

NOTE: INSPECT AND REPAIR ALL EROSION CONTROL DEVICES ONCE PER WEEK AND AFTER EVERY RAIN EVENT.



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11/22/2019
 DRAWN BY: M. MARTIN
 DESIGNED BY: M. MARTIN
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 SCALE: 1" = 40'

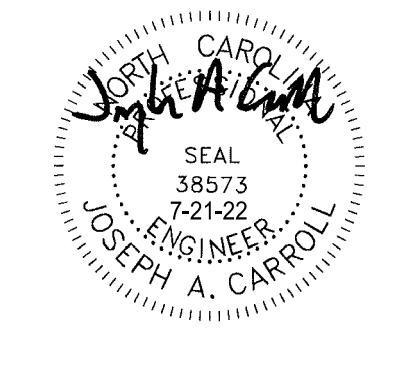
TIMMONS GROUP

THE ARBORS AT SOUTH CROSSING - DEMOLITION
 CITY OF GREENSBORO - NORTH CAROLINA
 PHASE 2 - DEMOLITION & EROSION CONTROL PLAN

JOB NO. 42847
 SHEET NO. C-203

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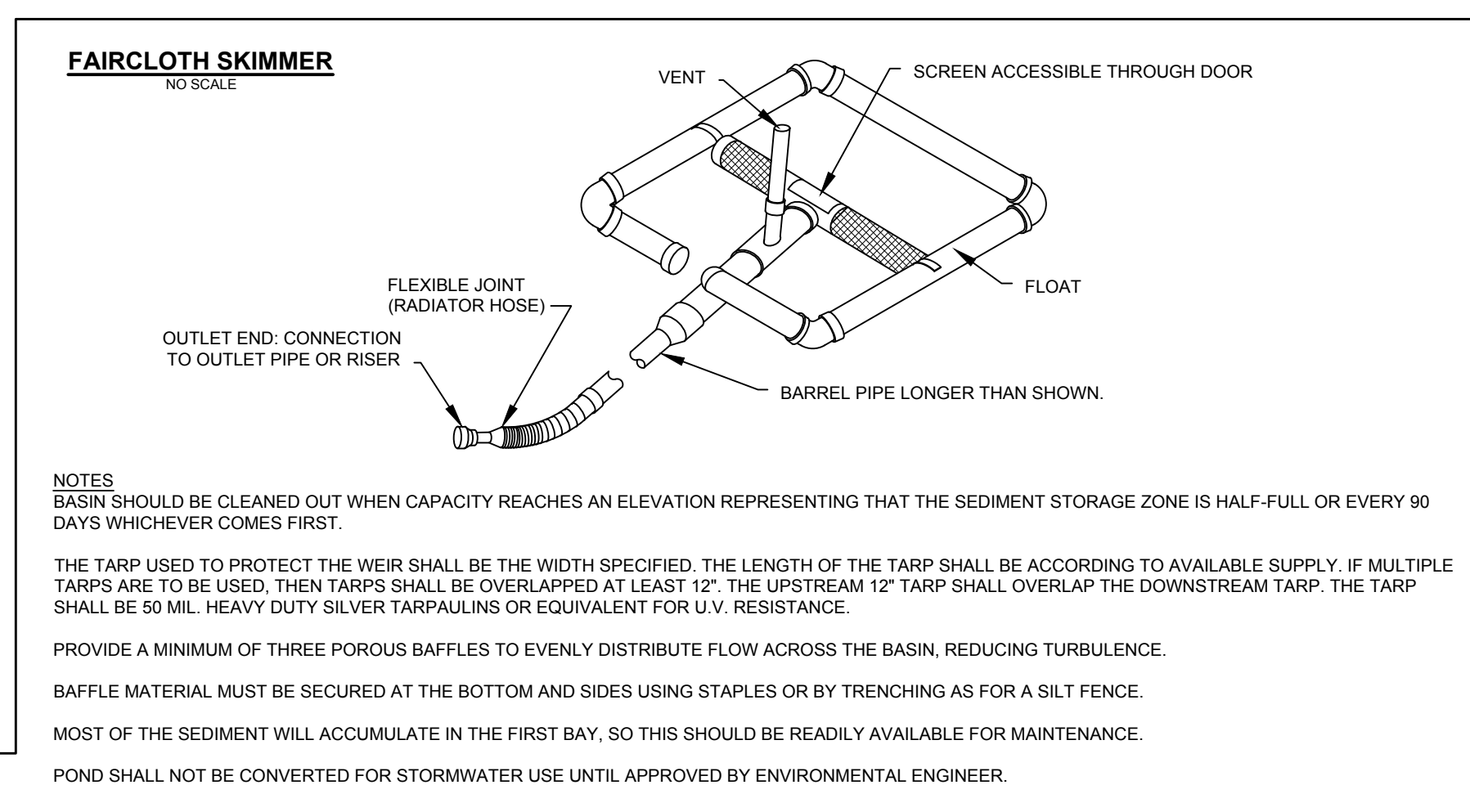
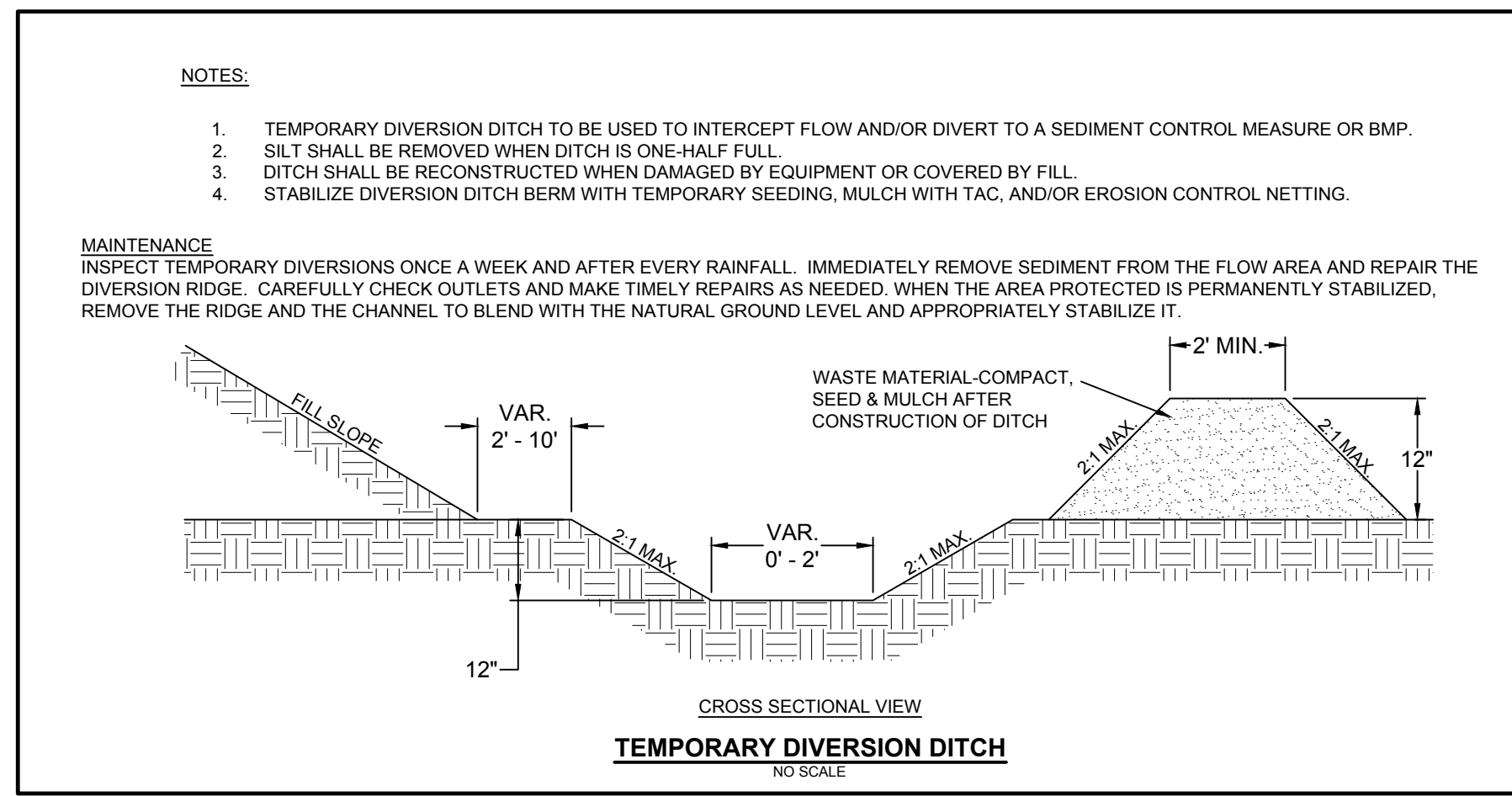
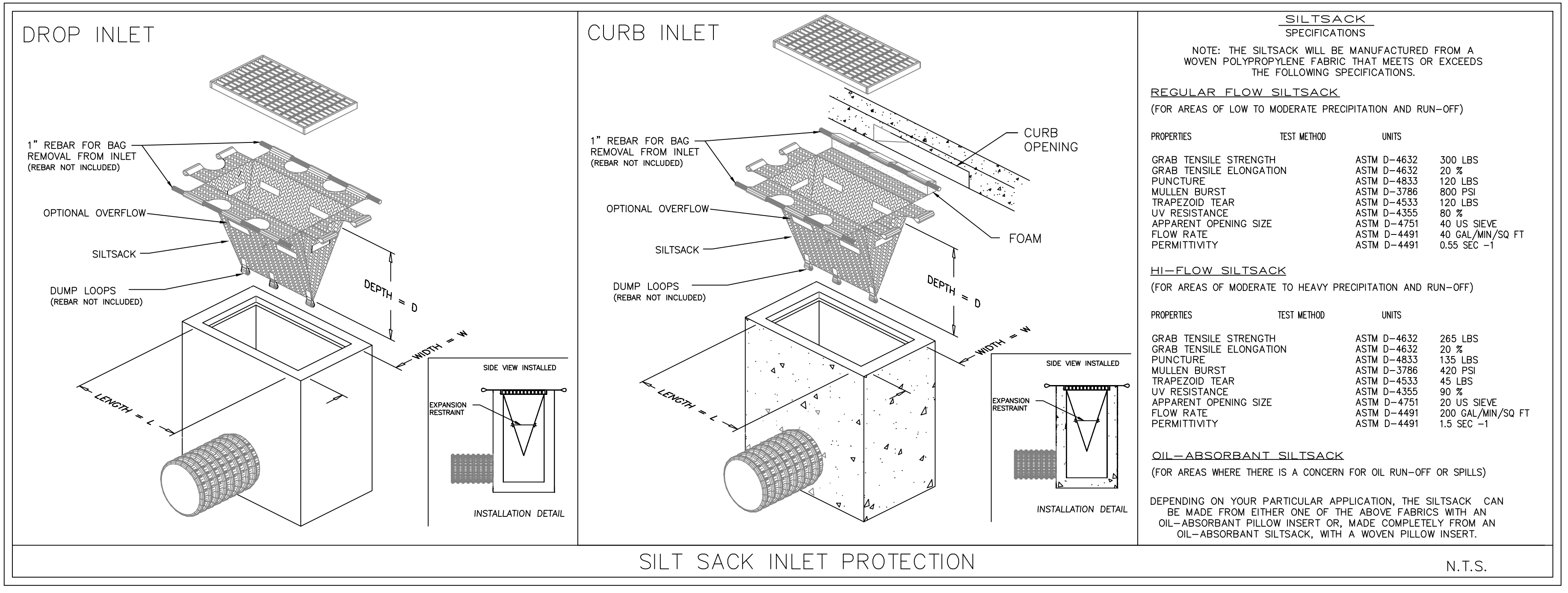
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DATE: 11/22/2019
 DRAWN BY: M. MARTIN
 DESIGNED BY: M. MARTIN
 CHECKED BY: A. CARROLL
 SCALE: AS SHOWN

TIMMONS GROUP

THE ARBORS AT SOUTH CROSSING - DEMOLITION
 CITY OF GREENSBORO - NORTH CAROLINA
 NOTES & DETAILS

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MAINTENANCE
 INSPECT TEMPORARY SEDIMENT BASINS AT LEAST WEEKLY AND AFTER EACH SIGNIFICANT (1/2 INCH OR GREATER) RAINFALL EVENT AND REPAIR IMMEDIATELY. REMOVE SEDIMENT AND RESTORE BASIN TO ITS ORIGINAL DIMENSIONS WHEN IT ACCUMULATES TO ONE-HALF THE DESIGN DEPTH. PULL THE SKIMMER TO ONE SIDE SO THAT THE SEDIMENT UNDERNEATH IT CAN BE EXCAVATED. PLACE REMOVED SEDIMENT IN AN AREA WITH SEDIMENT CONTROLS.

MAKE SURE VEGETATION GROWING IN THE BOTTOM OF THE BASIN DOES NOT HOLD DOWN THE SKIMMER.

IF THE SKIMMER IS CLOGGED WITH TRASH AND THERE IS WATER IN THE BASIN, USUALLY JERKING ON THE ROPE WILL MAKE THE SKIMMER BOB UP AND DOWN AND DISLodge THE DEBRIS AND RESTORE FLOW. IF THIS DOES NOT WORK, PULL THE SKIMMER OVER TO THE SIDE OF THE BASIN AND REMOVE THE DEBRIS. ALSO CHECK THE ORIFICE INSIDE THE SKIMMER TO SEE IF IT IS CLOGGED. IF SO REMOVE THE DEBRIS.

IF THE SKIMMER ARM OR BARREL PIPE IS CLOGGED, THE ORIFICE CAN BE REMOVED AND THE OBSTRUCTION CLEARED WITH A PLUMBER'S SNAKE OR BY FLUSHING WITH WATER. BE SURE AND REPLACE THE ORIFICE BEFORE REPOSITIONING THE SKIMMER.

FREEZING WEATHER CAN RESULT IN ICE FORMING IN THE BASIN. SOME SPECIAL PRECAUTIONS SHOULD BE TAKEN IN THE WINTER TO PREVENT THE SKIMMER FROM PLUGGING WITH ICE.

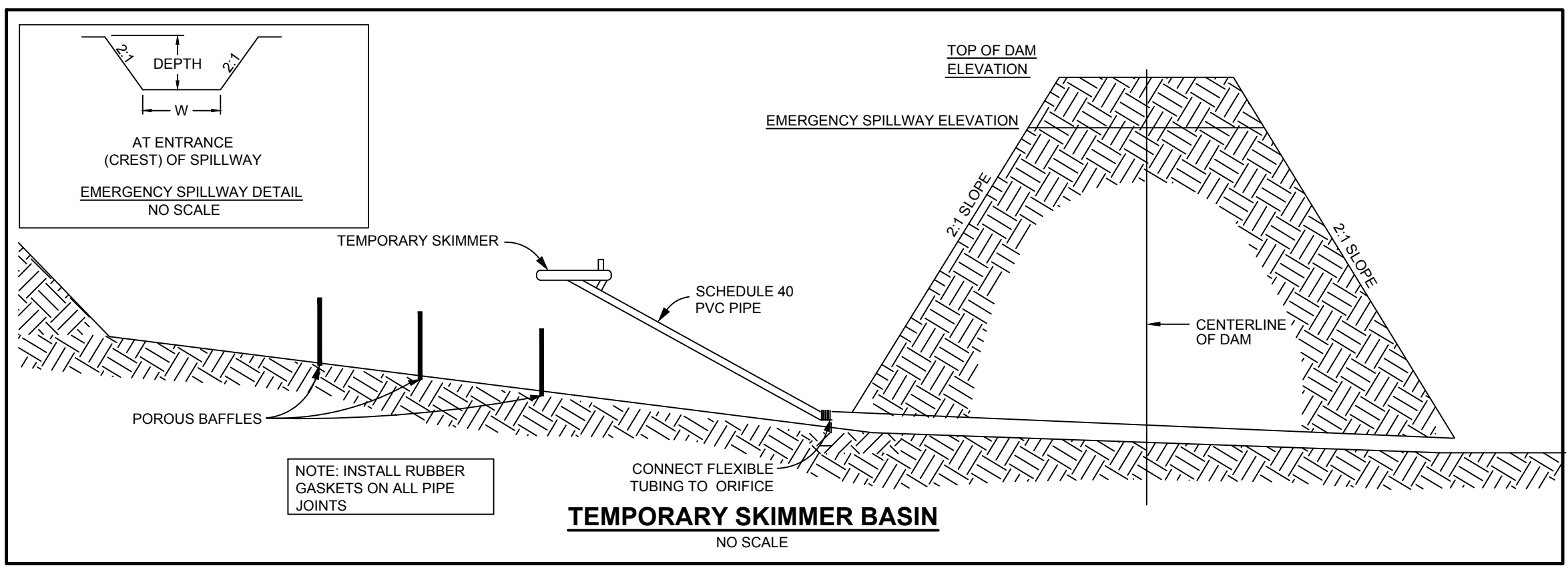
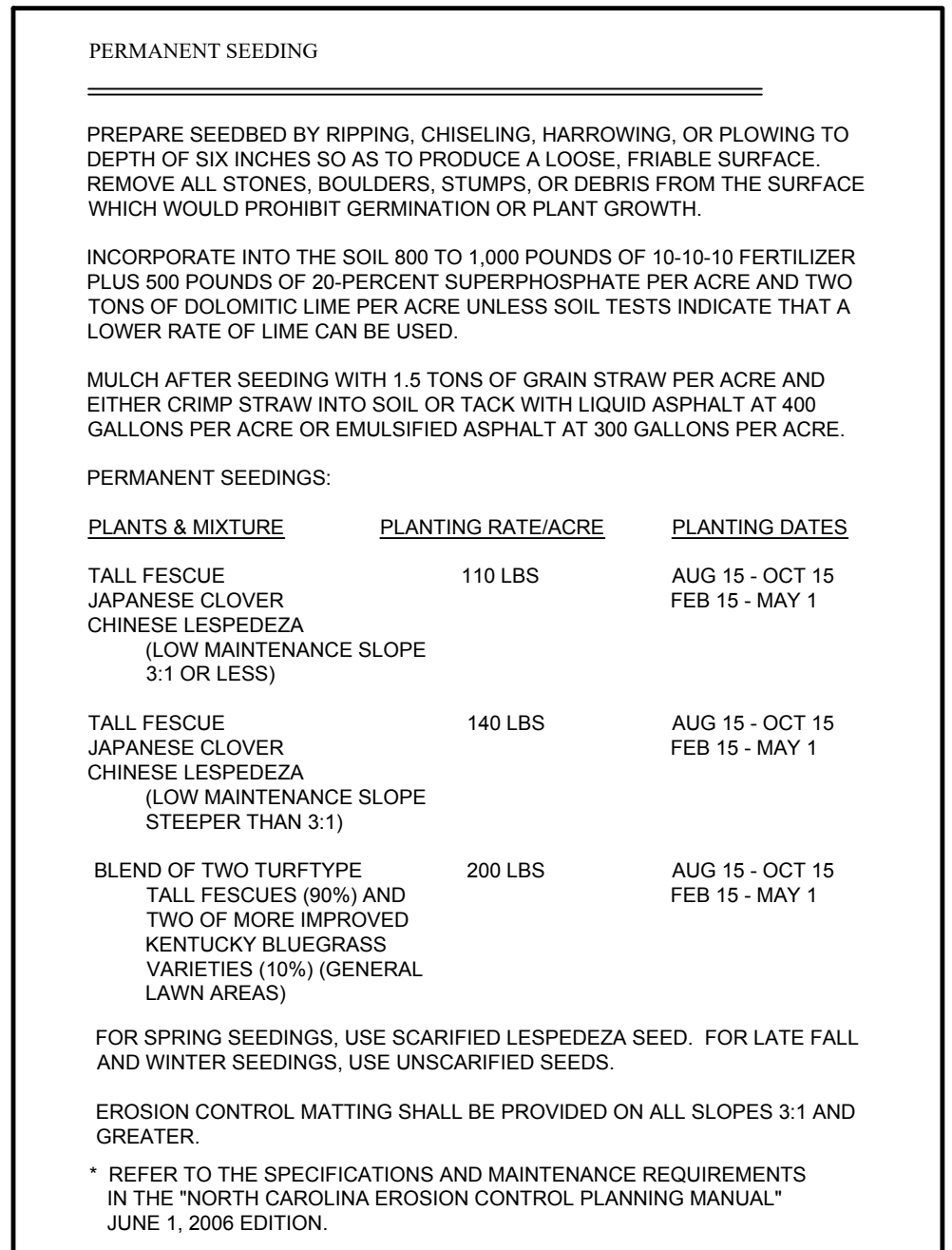
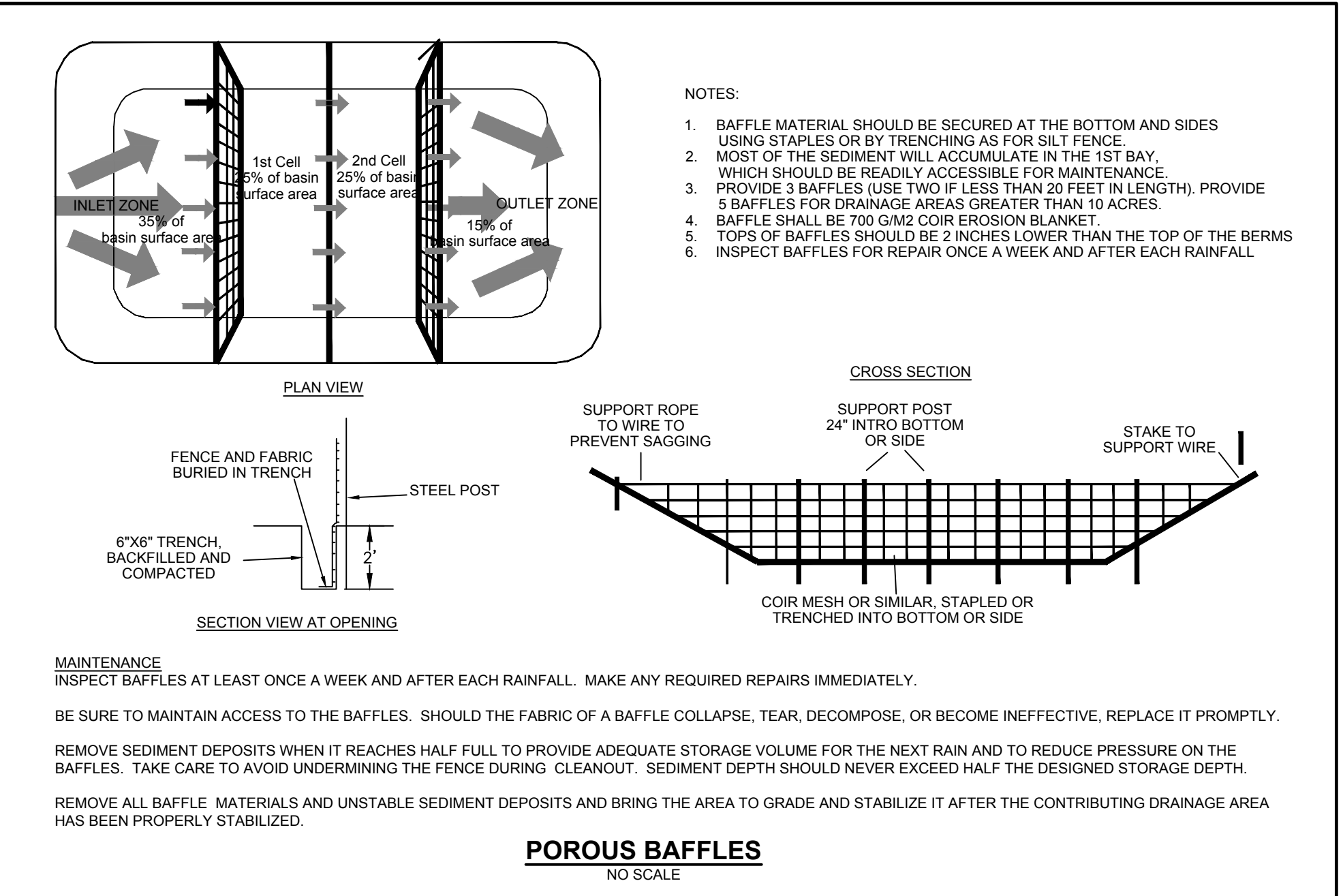
CHECK THE EMBANKMENT, SPILLWAYS, AND OUTLET FOR EROSION DAMAGE AND INSPECT THE EMBANKMENT FOR PIPING AND SETTLEMENT. MAKE ALL NECESSARY REPAIRS IMMEDIATELY. REMOVE ALL TRASH AND OTHER DEBRIS FROM THE RISER AND POOL AREA.

TEMPORARY SEEDING (PIEDMONT REGION)	TEMPORARY SEEDING (PIEDMONT REGION)	TEMPORARY SEEDING (PIEDMONT REGION)
LATE WINTER/EARLY SPRING	FALL	SUMMER
SEEDING MIXTURE	SEEDING MIXTURE	SEEDING MIXTURE
SPECIES: RYE (GRAIN) ANNUAL LESPEDEZA (KORBE IN PIEDMONT AND COASTAL PLAIN, KOREAN IN MOUNTAINS) RATE (lb/ACRE): 120	SPECIES: RYE (GRAIN) GERMAN MILLET RATE (lb/ACRE): 40	SPECIES: RYE (GRAIN) GERMAN MILLET RATE (lb/ACRE): 40
SEEDING DATES MOUNTAINS-AUG. 15 - DEC. 15 COASTAL PLAIN AND PIEDMONT-AUG. 15 - DEC. 30	SEEDING DATES MOUNTAINS-AUG. 15 - DEC. 15 COASTAL PLAIN-APR. 15 - AUG. 15	SEEDING DATES MOUNTAINS-MAY 15 - AUG. 15 PIEDMONT-MAY 1 - AUG. 15 COASTAL PLAIN-APR. 15 - AUG. 15
SOIL AMENDMENTS FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 lb/ACRE GROUND AGRICULTURAL LIMESTONE AND 1,000 lb/ACRE 10-10-10 FERTILIZER.	SOIL AMENDMENTS FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 lb/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 lb/ACRE 10-10-10 FERTILIZER.	SOIL AMENDMENTS FOLLOW RECOMMENDATIONS OF SOIL TESTS OR APPLY 2,000 lb/ACRE GROUND AGRICULTURAL LIMESTONE AND 750 lb/ACRE 10-10-10 FERTILIZER.
MULCH APPLY 4,000 lb/ACRE STRAW. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.	MULCH APPLY 4,000 lb/ACRE STRAW. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.	MULCH APPLY 4,000 lb/ACRE STRAW. ANCHOR STRAW BY TACKLING WITH ASPHALT, NETTING, OR A MULCH ANCHORING TOOL. A DISK SET NEARLY STRAIGHT CAN BE USED AS A MULCH ANCHORING TOOL.
MAINTENANCE REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH SOLBACRE KOBSE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.	MAINTENANCE REPAIR AND REFERTILIZE DAMAGED AREAS IMMEDIATELY. TOPDRESS WITH 50 LB/ACRE OF NITROGEN IN MARCH. IF IT IS NECESSARY TO EXTEND TEMPORARY COVER BEYOND JUNE 15, OVERSEED WITH SOLBACRE KOBSE (PIEDMONT AND COASTAL PLAIN) OR KOREAN (MOUNTAINS) LESPEDEZA IN LATE FEBRUARY OR EARLY MARCH.	MAINTENANCE REFERTILIZE IF GROWTH IS NOT FULLY ADEQUATE. RESEED, REFERTILIZE, AND MULCH IMMEDIATELY FOLLOWING EROSION OR OTHER DAMAGE.

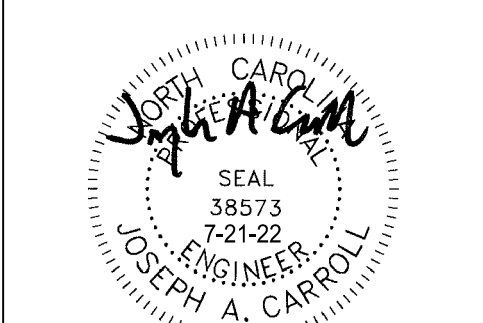
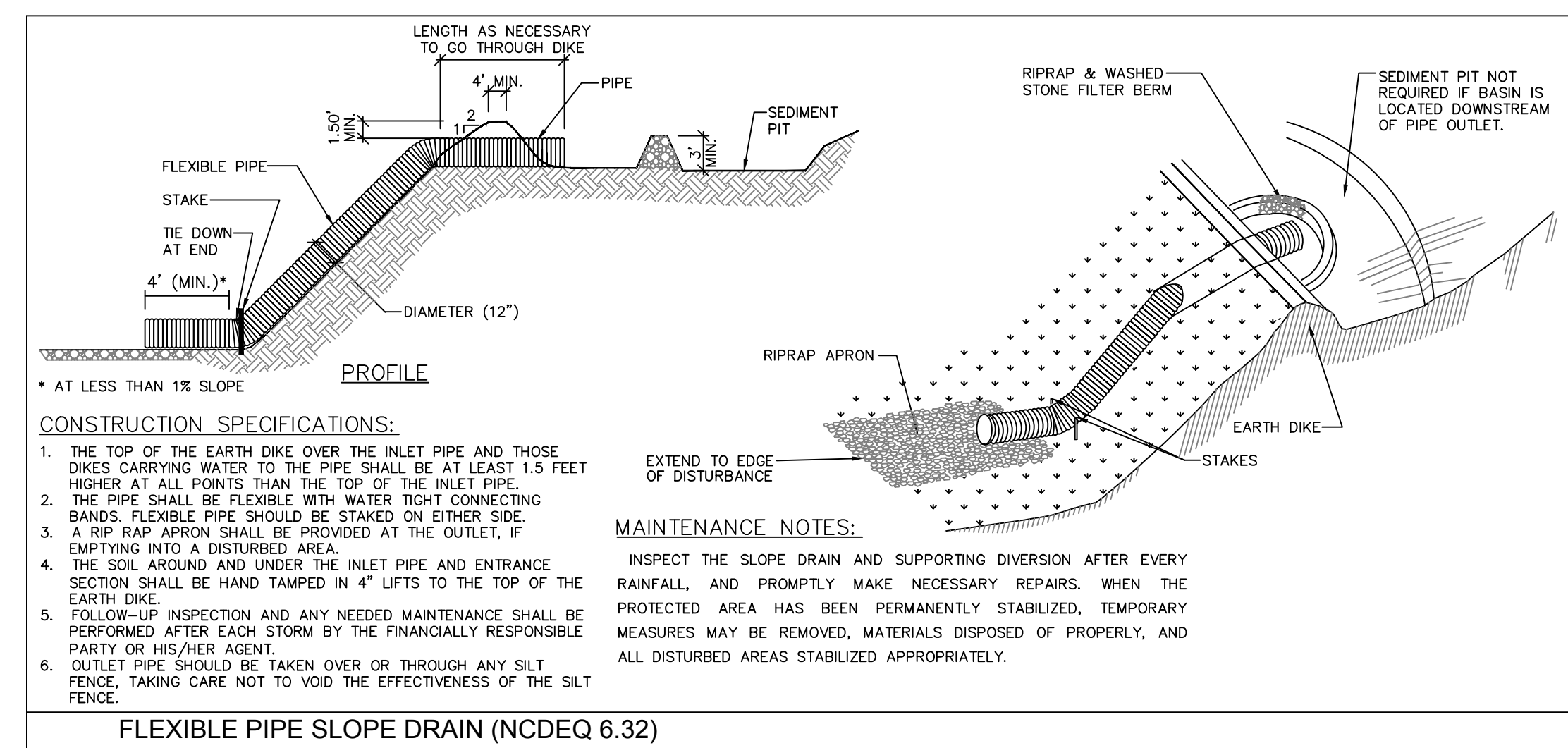
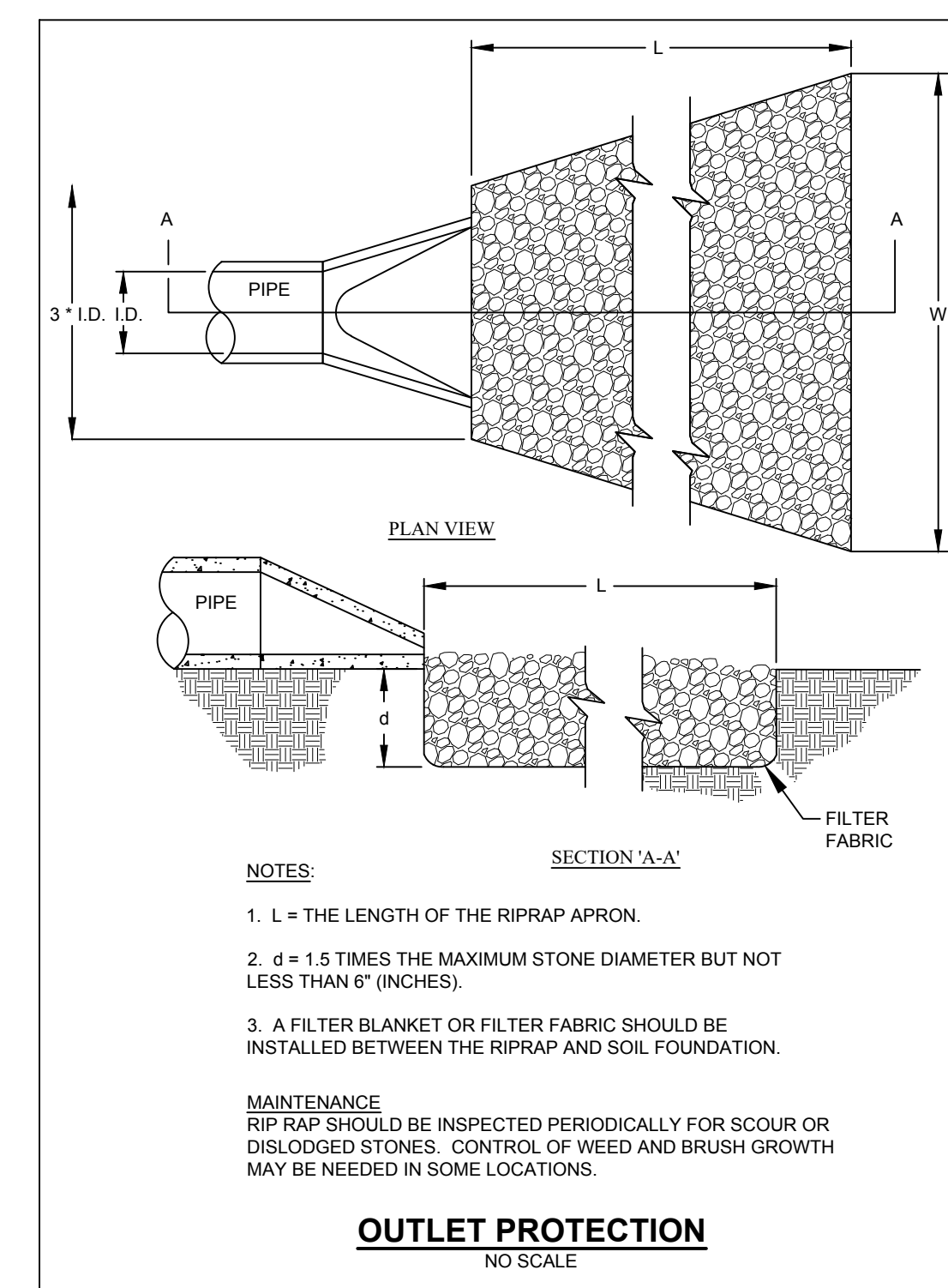
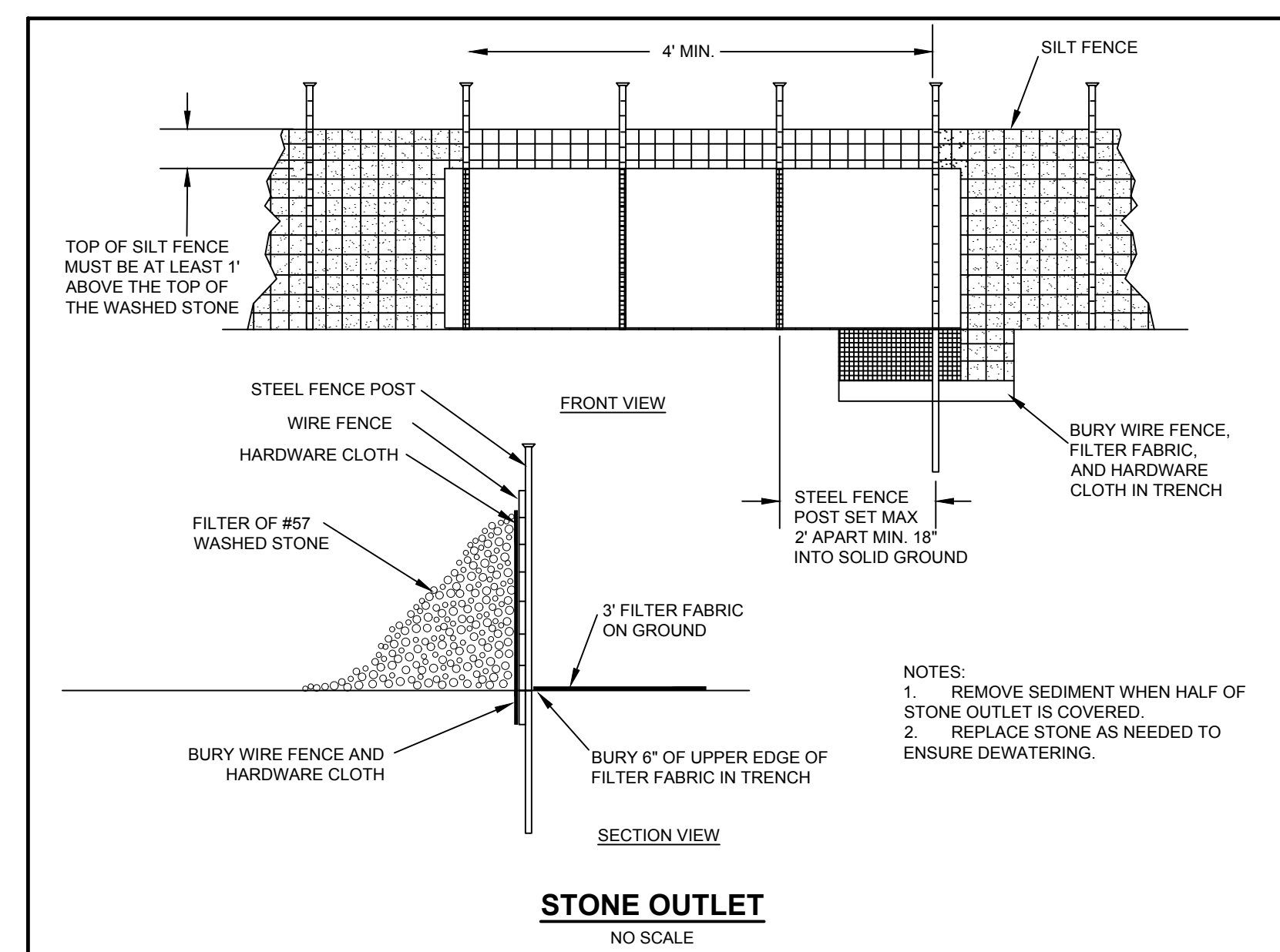
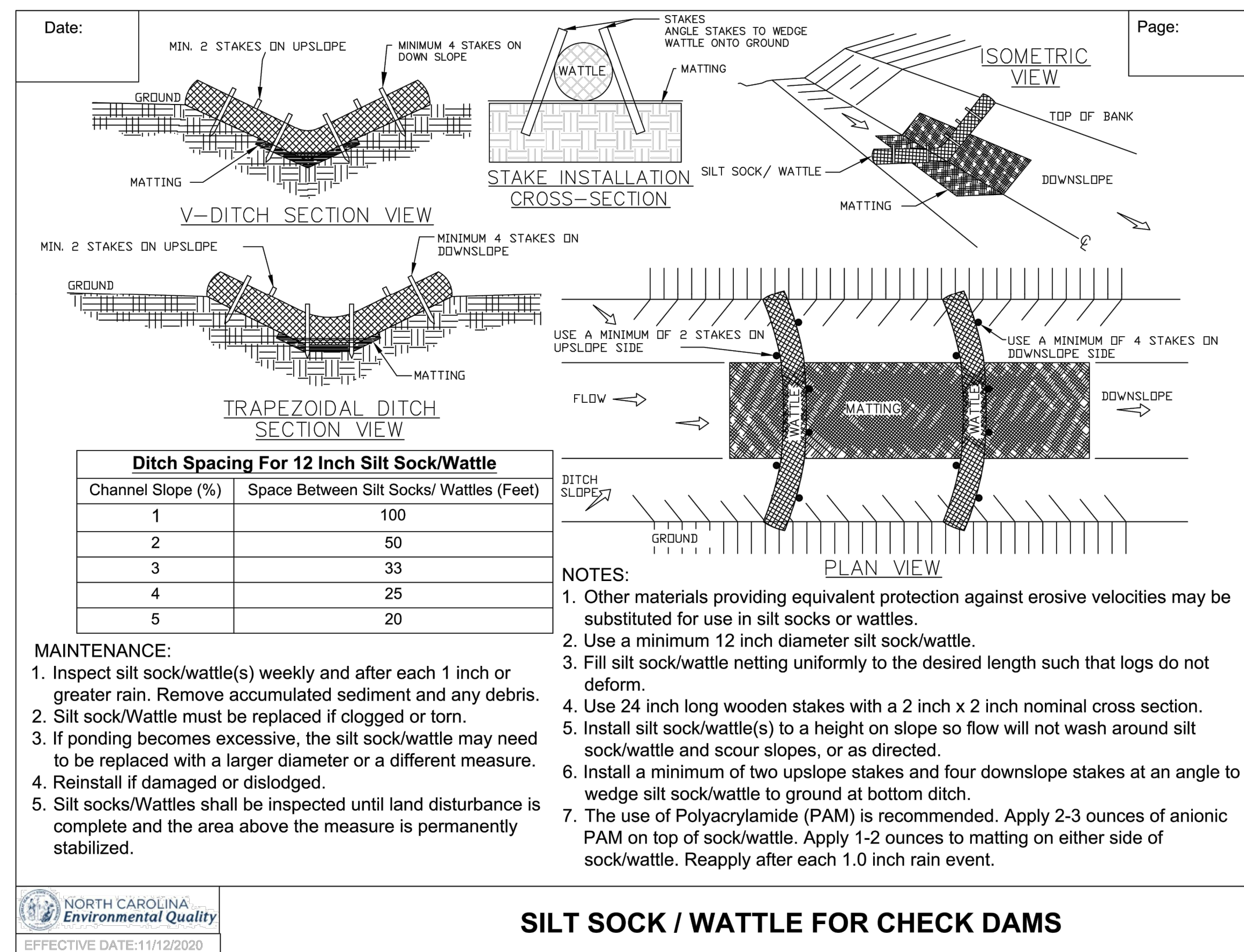
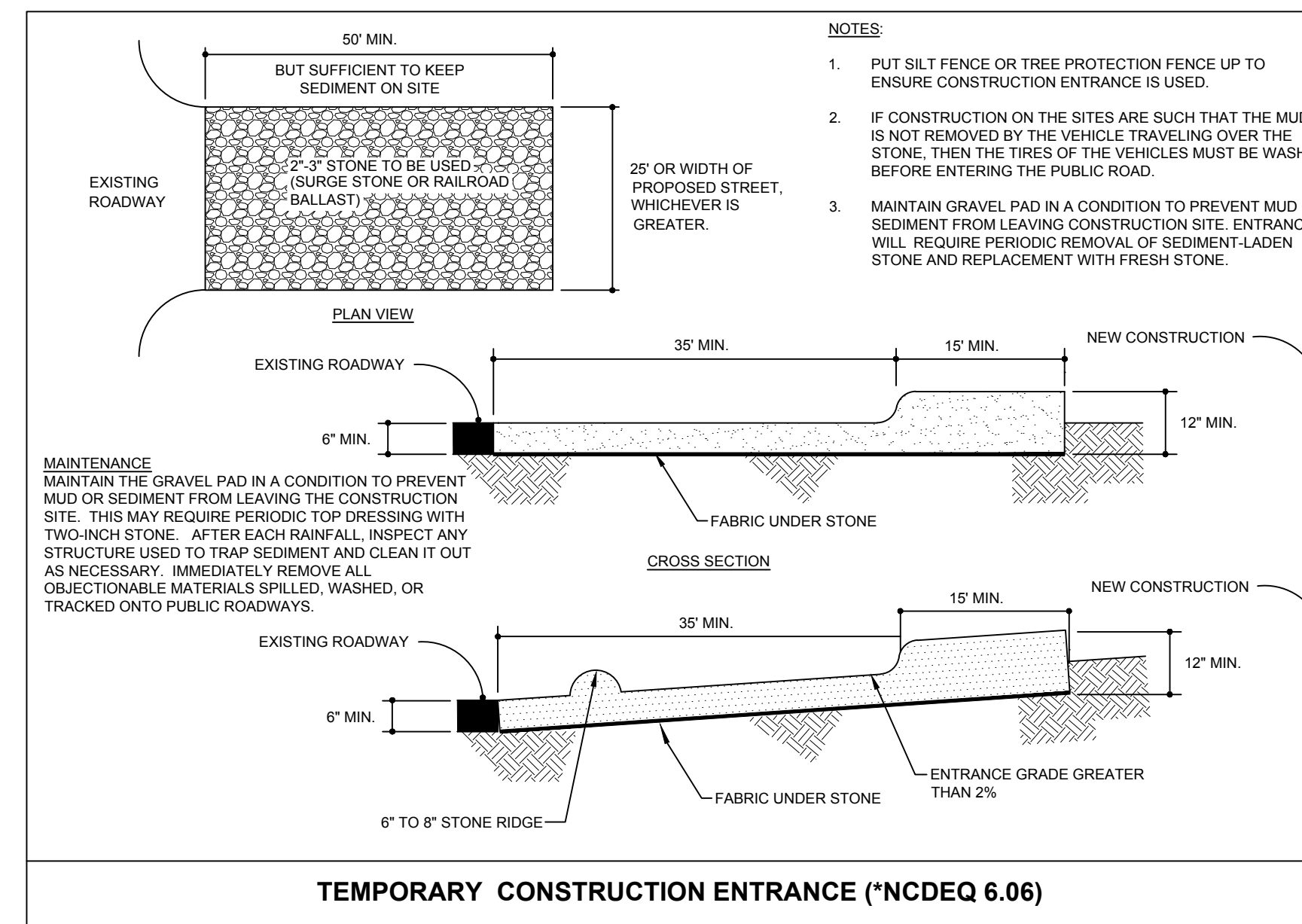
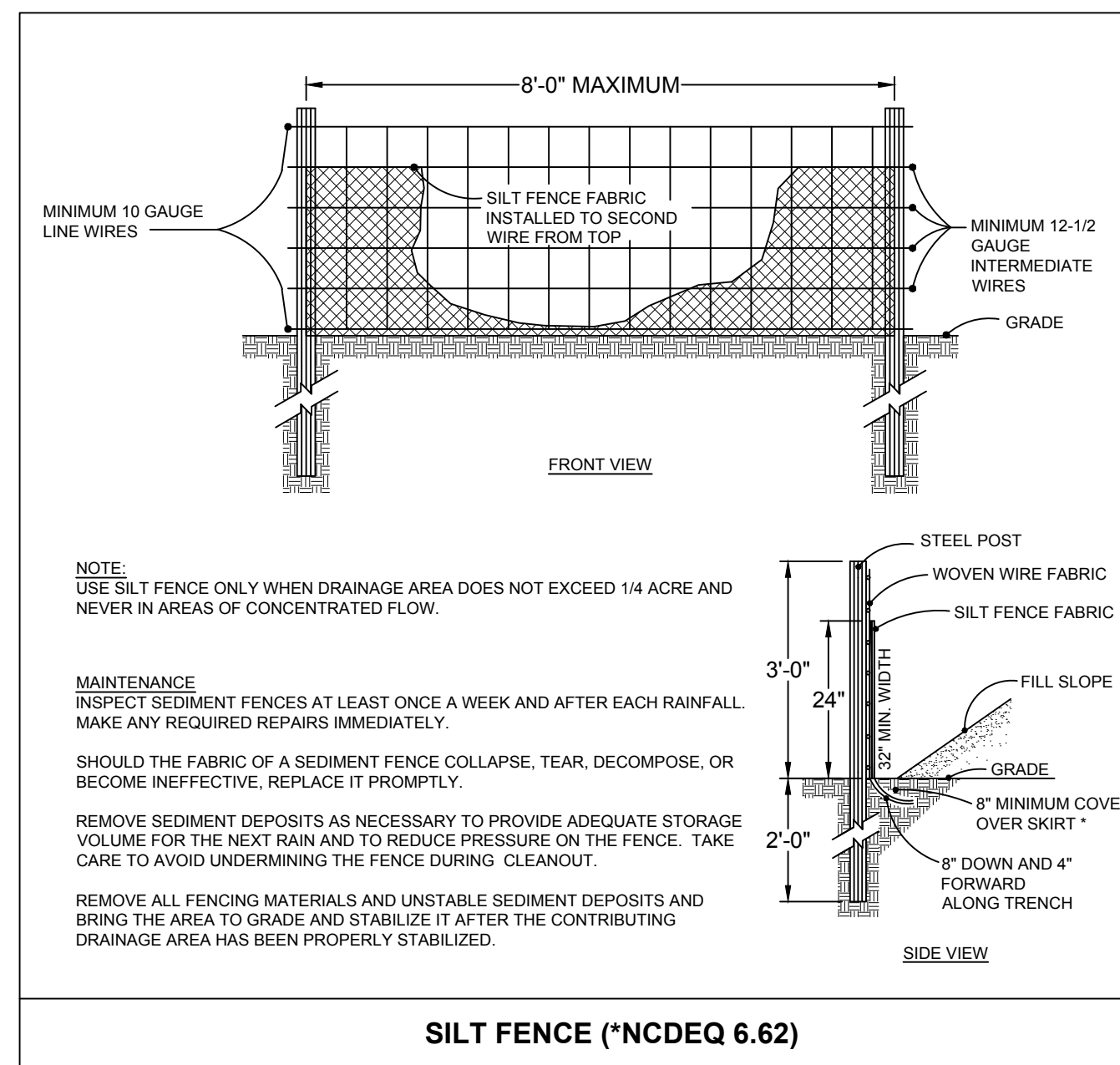
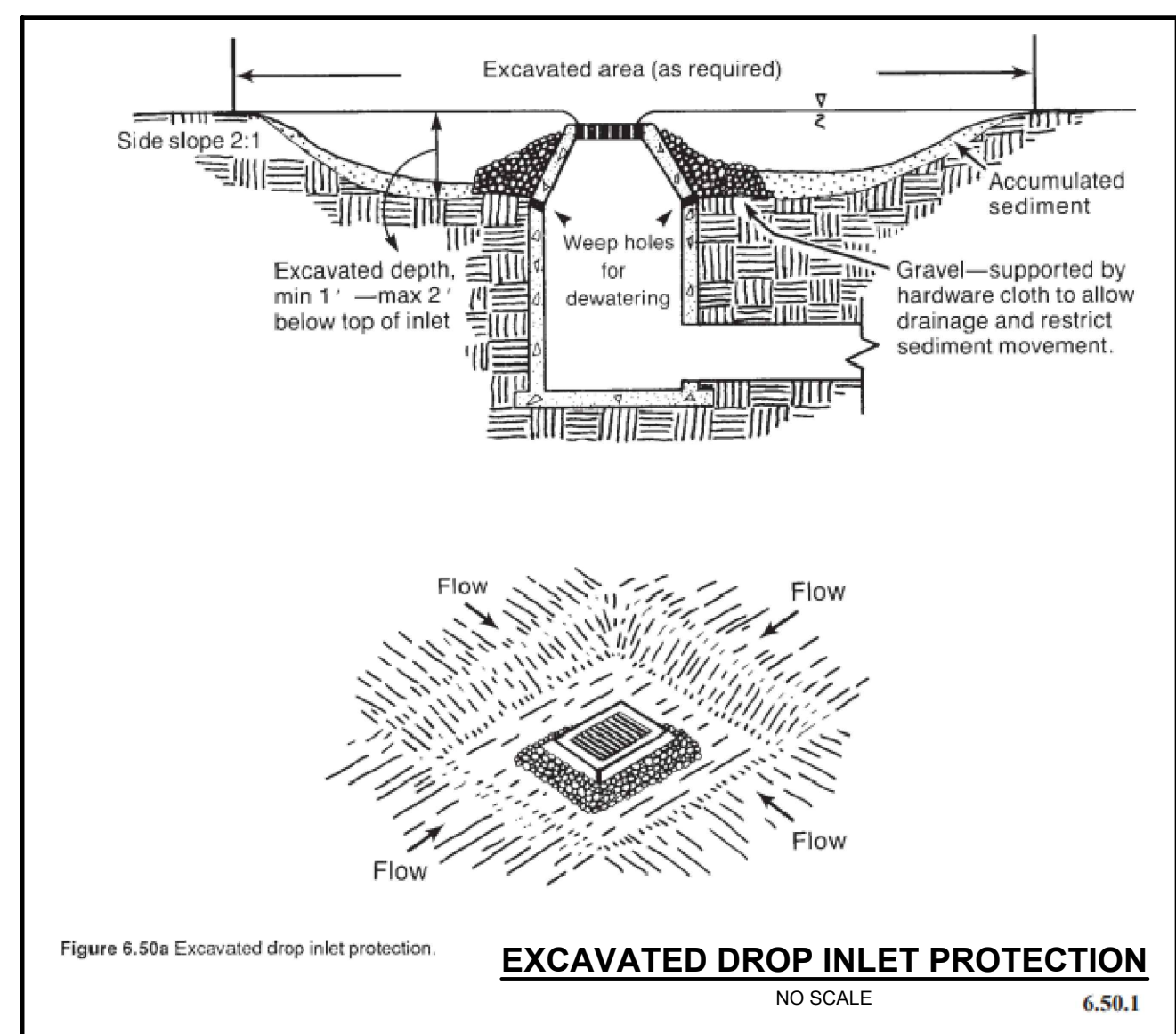
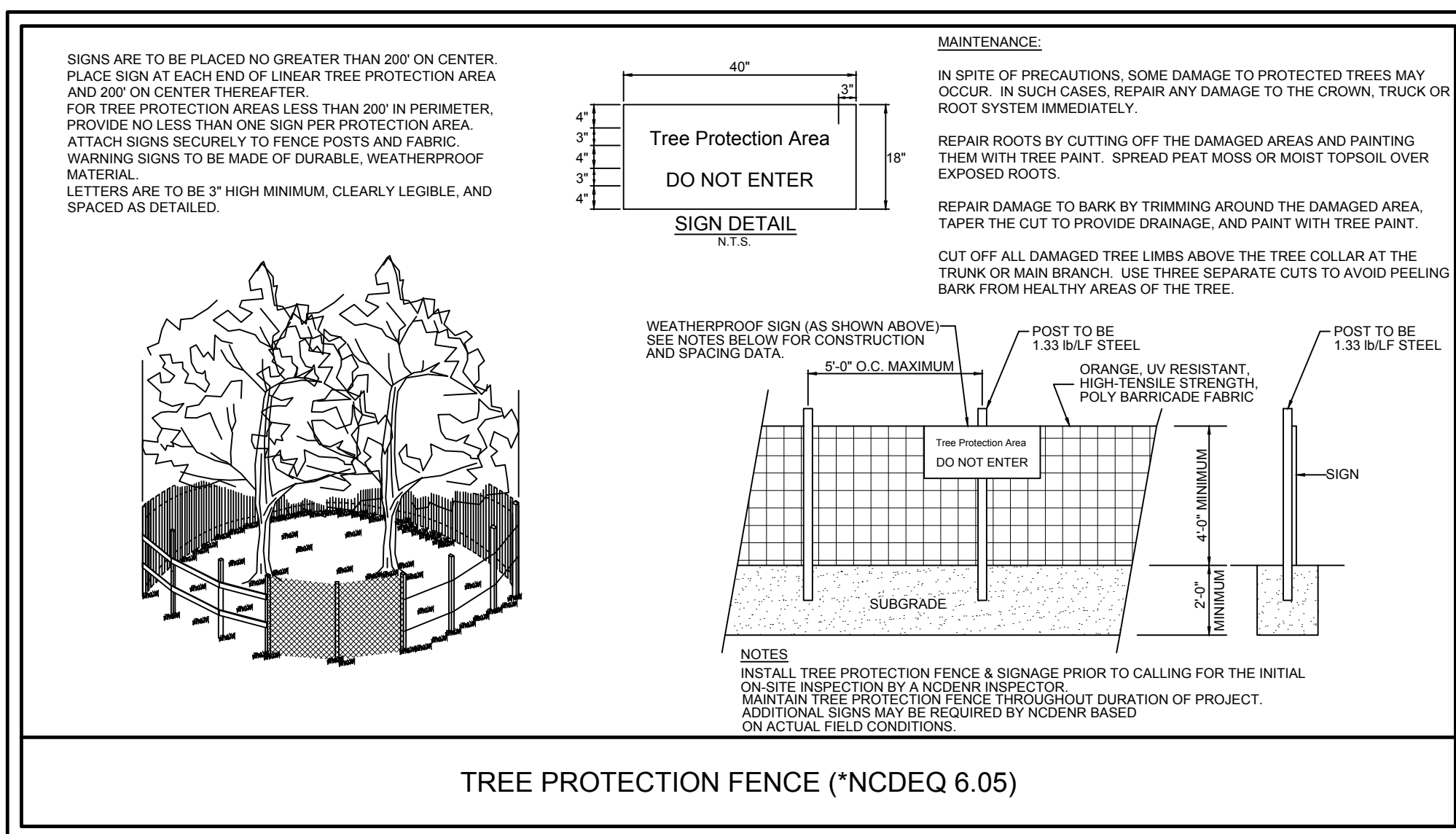
BASIN #	DRAIN AREA (ACRES)	DIST. AREA (ACRES)	PEAK FLOW (CFS)	BASIN SURFACE AREA (SF)	REQUIRED SURFACE AREA (SF)	BASIN VOLUME (CF)	REQUIRED BASIN VOLUME (CF)	SPILLWAY LENGTH (FT)	SKIMMER ORIFICE DIAMETER (IN.)	SKIMMER SIZE (IN.)	ANTI-FLOTATION BASE DIMENSIONS
1	3.06	3.06	8.46	3,280	2,750	7,806	5,508	10	1.25	3	N/A
2	8.87	8.87	26.00	8,450	8,450	21,984	15,966	25	2	4	N/A
3	1.73	1.73	4.78	2,048	1,554	3,371	3,114	5	2.5	1	N/A
4	6.47	6.47	17.89	6,962	5,814	17,844	11,646	22	1.75	3	N/A

DIMENSIONS & VOLUMES OF SEDIMENT BASINS ARE AT RISER ELEVATION

BASIN #	TOP OF BERM ELEV.	EMERGENCY SPILLWAY ELEV.	CREST OF RISER ELEV.	BOTTOM OF BASIN ELEV.	BARREL DIAMETER (IN.)	BARREL LENGTH (FT.)	BARREL INVERT IN ELEV.	BARREL INVERT OUT ELEV.	RISER	DIMENSIONS (WEIR ELEV.)
1	794.00	793.00	N/A	790.00	N/A	N/A	N/A	N/A	N/A	41' X 80'
2	800.00	799.00	N/A	796.00	N/A	N/A	N/A	N/A	N/A	65' X 130'
3	791.00	789.00	N/A	786.00	N/A	N/A	N/A	N/A	N/A	32' X 64'
4	790.00	789.00	N/A	786.00	N/A	N/A	N/A	N/A	N/A	59' X 118'



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JOSEPH A. CARROLL
SEAL
38573
7-21-22
ENGINEER
YOUR VISION ACHIEVED THROUGH OURS.

Greensboro Housing Authority

DATE	REVISION DESCRIPTION
3/25/21	NCDEQ EROSION CONTROL COMMENTS
3/30/21	NCDEQ EROSION CONTROL COMMENTS
5/15/21	NCDEQ APPROVED SET
6/24/22	REVISED PHASING
7/21/22	BID SET

DATE	BY
11/22/2019	M. MARTIN
	DESIGNED BY
	M. MARTIN
	CHECKED BY
	A. CARROLL
	SCALE
	AS SHOWN

TIMMONS GROUP

THE ARBORS AT SOUTH CROSSING - DEMOLITION
CITY OF GREENSBORO - NORTH CAROLINA

NOTES & DETAILS

JOB NO. 42847
SHEET NO. C-302

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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

Required Ground Stabilization Timeframes		
Site Area Description	Stabilize within this many calendar days after ceasing land disturbance	Timeframe variations
(a) Perimeter dikes, swales, ditches, and perimeter slopes	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 -7 days for slopes greater than 50' in length and with slopes steeper than 4:1
(d) Slopes 3:1 to 4:1	14	-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

Stabilize the ground sufficiently so that rain will not dislodge the soil. Use one of the techniques in the table below:

Temporary Stabilization	Permanent Stabilization
<ul style="list-style-type: none"> Temporary grass seed covered with straw or other mulches and tackifiers Hydroseeding Roller 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 Roller erosion control products with grass seed

POLYACRYLAMIDES (PAMS) AND FLOCCULANTS

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

EQUIPMENT AND VEHICLE MAINTENANCE

- Maintain vehicles and equipment to prevent discharge of fluids.
- Provide drip pans under any stored equipment.
- Identify leaks and repair as soon as feasible, or remove leaking equipment from the project.
- Collect all spent fluids, store in separate containers and properly dispose as hazardous waste (recycle when possible).
- Remove leaking vehicles and construction equipment from service until the problem has been corrected.
- 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

- Never bury or burn waste. Place litter and debris in approved waste containers.
- Provide a sufficient number and size of waste containers (e.g. dumpster, trash receptacle) on site to contain construction and domestic wastes.
- Locate waste containers at least 50 feet away from storm drain inlets and surface waters unless no other alternatives are reasonably available.
- 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.
- Cover waste containers at the end of each workday and before storm events or provide secondary containment. Repair or replace damaged waste containers.
- Anchor all lightweight items in waste containers during times of high winds.
- Empty waste containers as needed to prevent overflow. Clean up immediately if containers overflow.
- Dispose waste off-site at an approved disposal facility.
- On business days, clean up and dispose of waste in designated waste containers.

PAINT AND OTHER LIQUID WASTE

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

PORTABLE TOILETS

- 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.
- Provide staking or anchoring of portable toilets during periods of high winds or in high foot traffic areas.
- 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

- 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.
- Protect stockpile with silt fence installed along toe of slope with a minimum offset of five feet from the toe of stockpile.
- Provide stable stone access point when feasible.
- 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

- 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 lot 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.

HERBICIDES, PESTICIDES AND RODENTICIDES

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

HAZARDOUS AND TOXIC WASTE

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



NCG01 GROUND STABILIZATION AND MATERIALS HANDLING EFFECTIVE: 04/01/19

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. Identification 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 outfalls inspected, 2. Date and time of the inspection, 3. Name of the person performing the inspection, 4. Evidence of indicators of sediment pollution such as oil sheen, 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	If visible sedimentation is found outside site limits, then a record of the following shall be made: 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 (where accessible)	At least once per 7 calendar days and within 24 hours of a rain event ≥ 1.0 inch in 24 hours	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.
(6) Ground stabilization measures	After each phase of grading	1. The phase of grading (installation of 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.

NORTH CAROLINA Environmental Quality

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:

- This general permit as well as the certificate of coverage, after it is received.
- 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 shown to provide equal access and utility as the hard-copy records.
- All data used to complete the Notice of Intent and older 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:

- Visible sediment deposition in a stream or wetland.
 - 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).
- 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.
- Anticipated bypasses and unanticipated bypasses.
- Noncompliance with the conditions of this permit that may endanger health or the environment.

2. Reporting Timeframes and Other Requirements

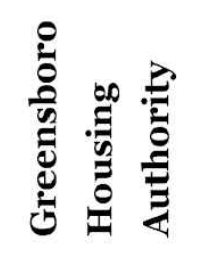
After a permittee becomes aware of an occurrence that must be reported, he shall contact the appropriate Division regional office within the timeframes and in accordance with the other requirements listed below. Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at (800) 662-7956, (800) 858-0368 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 of 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(b)(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(b)(6)]. Division staff may waive the requirement for a written report on a case-by-case basis.

NCG01 SELF-INSPECTION, RECORDKEEPING AND REPORTING EFFECTIVE: 04/01/19



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6/24/22	REVISED PHASING
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DRAWN BY: M. MARTIN
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