NOTES

1. REFER TO PROFILE SHEETS FOR ADDITIONAL POTENTIAL UTILITY RELOCATIONS AND/OR REPLACEMENTS.

TMS 04-0205-235-00-00
N/F
DONALD R ELLIS
& CAROL ANN ELLIS
DB 516 PG 180

STORAGE BLDG

POOL

TMS 04-0205-234-00-00
N/F
DEREK V. METZLER
DB 1941 PG 210

1 STORY DWELLING

STORY DWELLING

PORCH

GRAVEL

GRAVEL

LANDSCAPE

LANDSCAPE

TMS 04-0205-233-00-00
N/F
CHRISTOPHER THOMAS WHITTLE II
& MARGARET DUNHAM WHITTLE
DB 491 PG 262
SLIDE 105 PG 98

TMS 04-0205-232-00-00
N/F
BOYD L MARLOW III
DB 1134 PG 128
PB 11 PG 593
PB 15 PG 519

TMS 04-0205-232-00-00
N/F
BOYD L MARLOW III
DB 1134 PG 128
PB 11 PG 593
PB 15 PG 519

EX. OAK TREE TO BE REMOVED.

REPLACE EX. DRAINAGE STRUCT. WITH 8'x10' (INSIDE DIMENSION) PRECAST DRAINAGE STRUCTURE. TIE IN EXISTING PIPES.

EX. STRUCTURES SHALL BE CLEANED AND ALL SEDIMENT AND DEBRIS REMOVED.

EXISTING STRUCTURE TO REMAIN. TIE IN PROPOSED 42" RCP. BOTTOM AND OUTSIDE OF STRUCTURE SHALL BE MODIFIED AS REQUIRED FOR NEW 42" INV. TIE-IN ELEVATION = 8.58'.

REMOVE EXISTING 42" RCP (47 LF)

REMOVE 38 SY OF ASPHALT DRIVEWAY. REPLACE W/ ASPHALT FROM EOP TO R/W.

REMOVE EXISTING 24" SLCPP (25 LF)

C/L HAGLEY DRIVE 50' R/W

EXISTING UTILITIES TO REMAIN AND BE PROTECTED IN PLACE. NOTIFY ENGINEER OF ANY CONFLICTS.

RESET EX. METER AND FH AT PROP. GRADE

EXISTING 6" SS PVC SERVICE TO BE REPLACED (SEE UTILITY IMPROVEMENTS SHEETS)

REMOVE & REPLACE 45 SY OF ASPHALT ROADWAY

TMS 04-0205-201-00-00
N/F
FRED R ROCKAGE
DB 178 PG 473

PROTECT EX. 18" WATER MAIN IN PLACE

TMS 04-0205-200-00-00
N/F
FRED R ROCKAGE
DB 178 PG 473

REMOVE & REPLACE 13 SY OF ASPHALT ROADWAY

TMS 04-0205-199-00-00
N/F
D & T LLC
DB 1750 PG 305

LAKE DRIVE
50' R/W

MATCHLINE - REFER TO NEXT SHEET

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811
Know what's below.
Call before you dig.

SURVEY BENCHMARK INFORMATION

NOTE: BENCHMARKS ARE LOCATED OFF OF THE SOUTH SIDE OF HAGLEY DR. APPROXIMATELY HALFWAY BETWEEN THE WESTON DR. AND LAKE TRAIL DR. INTERSECTIONS.

CONTROL POINT #1:
REBAR W/ CAP
N: 587115.05
E: 2557444.49
EL: 8.50'

CONTROL POINT #2:
REBAR W/ CAP
N: 587314.18
E: 2556833.47
EL: 4.46'

VERTICAL DATUM USED WAS NAVD88.
HORIZONTAL DATUM USED WAS NAD83.

SHEET KEY

N

(IN FEET)
1 inch = 20 ft.

Stantec

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Consultants

Legend

RIGHT-OF-WAY / PROPERTY LINE
EXISTING CONTOUR

Notes

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APPROVED FOR CONSTRUCTION

Revision	By	Appd.	YY.MM.DD
1 ISO ACCB-Dor #1	EP	BCK	18.06.08

Issued	By	Appd.	YY.MM.DD
4 Revised per SCDOT Comments	EP	BCK	17.12.04
3 Revised per SCDOT Comments	EP	BCK	17.06.02
2 Issued for Permit Review	EP	BCK	17.05.30
1 Issued for Internal Review	EP	BCK	16.06.08

File Name:	Dsn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. 002310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 32291 JOHN T. PROCTOR
06/21/18

Client/Project

Georgetown County

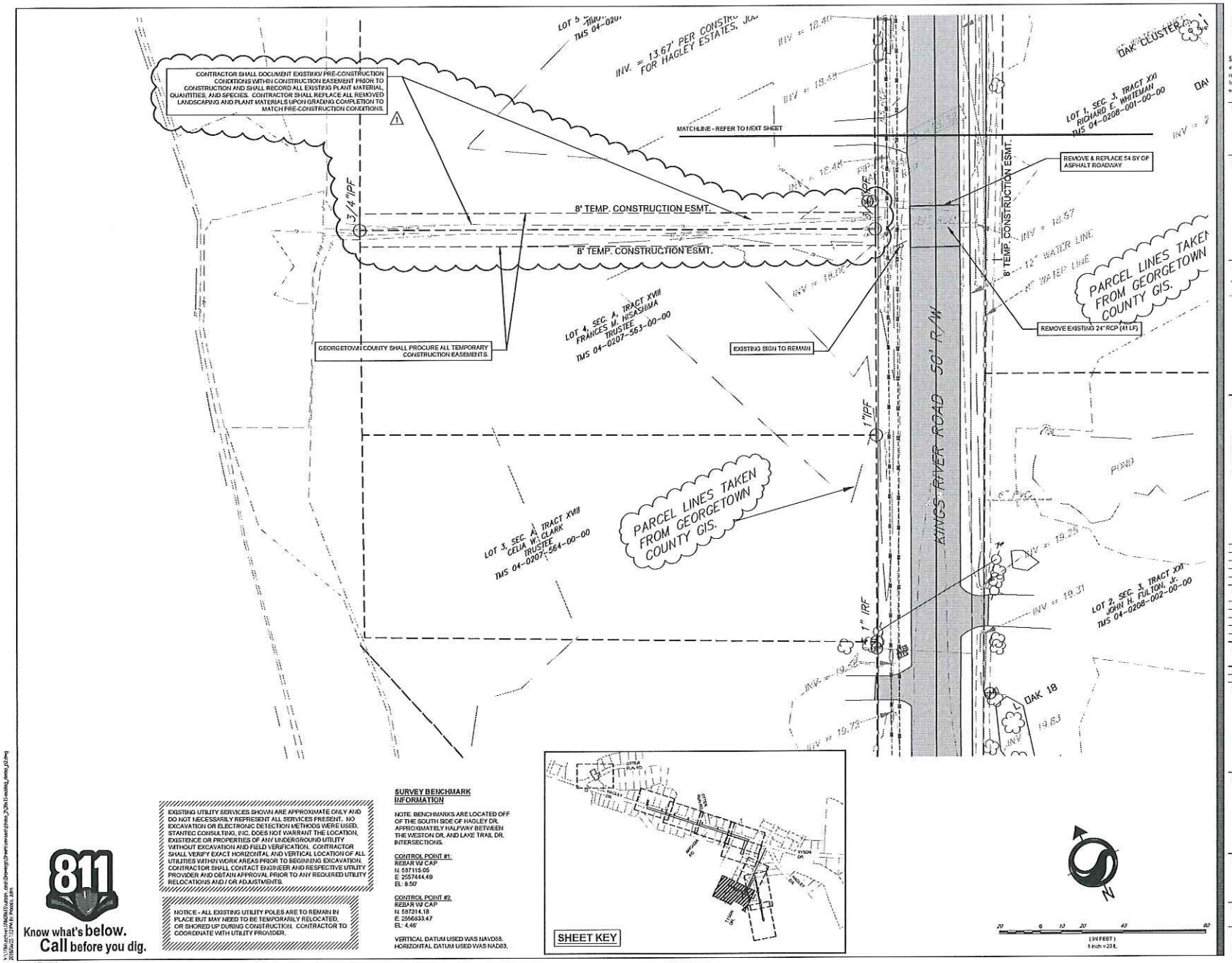
Hagley West Drainage Improvements
Phase 2
Georgetown, SC

Title

EXISTING CONDITIONS & DEMOLITION PLAN

Project No.	Scale
178420615	1" = 20'

Drawing No.	Sheet	Revision
C5	5 of 34	0



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Consultants

Legend
RIGHT-OF-WAY / PROPERTY LINE
EXISTING CONTOUR

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APPROVED FOR CONSTRUCTION

Revision	By	Appd.	YY.MM.DD
1 RID 4200-DUW-01	FP	BCK	18.06.28

Issued	By	Appd.	YY.MM.DD
4 Issued per SCDOT Comments	FP	BCK	17.12.04
3 Issued per SCDOT Comments	FP	BCK	17.08.10
2 Issued for Permit Review	FP	BCK	17.05.30
1 Issued for Internal Review	FP	BCK	16.06.08

File name:	Dwn.	Chkd	Dsgn.	YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. 0002310 CERTIFICATE OF AUTHORIZATION

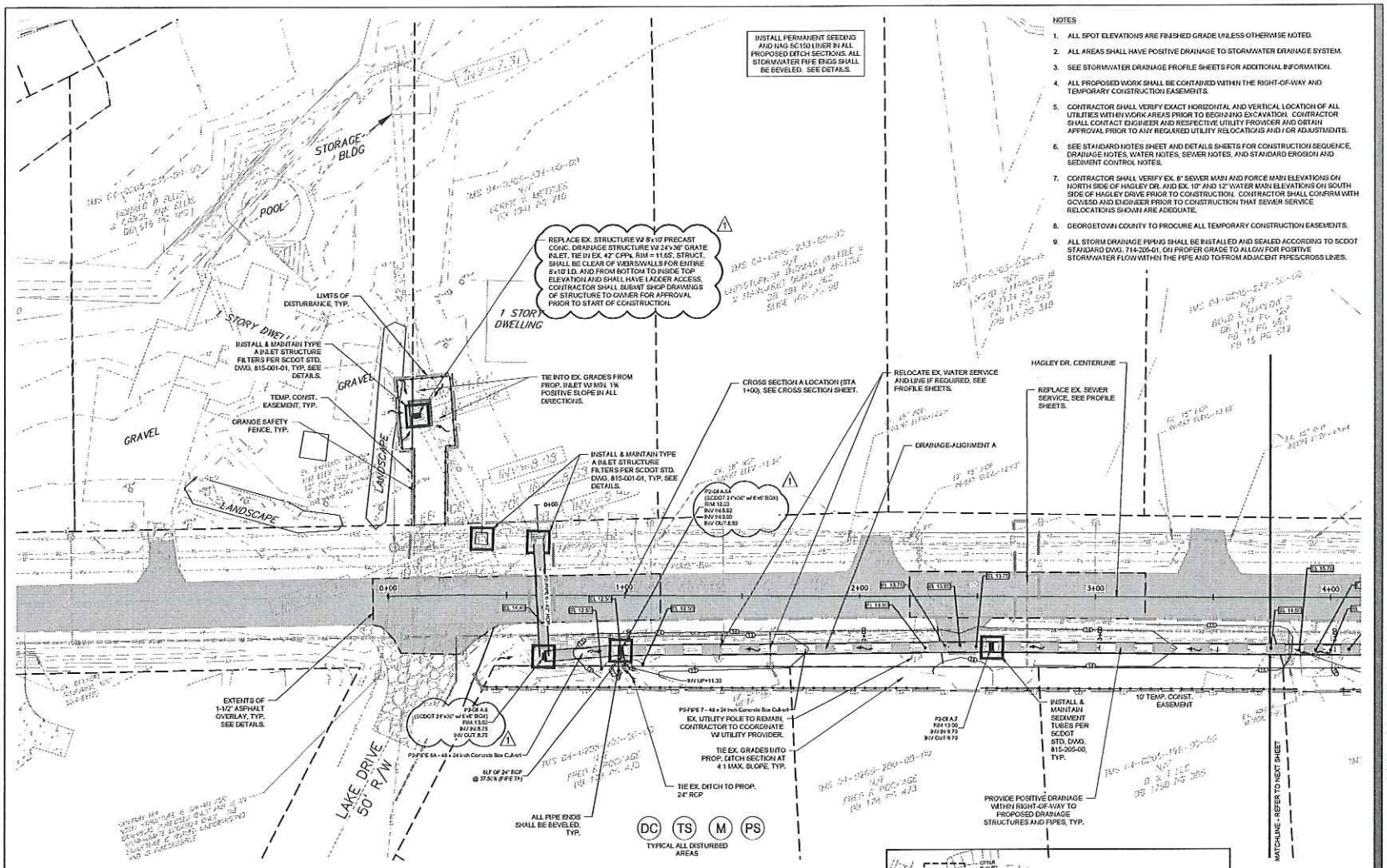
SOUTH CAROLINA PROFESSIONAL ENGINEER No. 32291 JOHN T. PROVOST 06/21/18

Client/Project
Georgetown County

Hagley West Drainage Improvements
Phase 2
Georgetown, SC

Title
EXISTING CONDITIONS & DEMOLITION PLAN

Project No.	Scale	
178420615	1" = 20'	
Drawing No.	Sheet	Revision
C10	10 of 34	0



INSTALL PERMANENT SEEDING AND NAG SC150 LINER IN ALL PROPOSED DITCH SECTIONS. ALL STORMWATER PIPE ENDS SHALL BE BEVELED. SEE DETAILS.

NOTES

1. ALL SPOT ELEVATIONS ARE FINISHED GRADE UNLESS OTHERWISE NOTED.
2. ALL AREAS SHALL HAVE POSITIVE DRAINAGE TO STORMWATER DRAINAGE SYSTEM.
3. SEE STORMWATER DRAINAGE PROFILE SHEETS FOR ADDITIONAL INFORMATION.
4. ALL PROPOSED WORK SHALL BE CONTAINED WITHIN THE RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENTS.
5. CONTRACTOR SHALL VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES WITHIN WORK AREAS PRIOR TO BEGINNING EXCAVATION. CONTRACTOR SHALL CONTACT ENGINEER AND RESPECTIVE UTILITY PROVIDER AND OBTAIN APPROVAL PRIOR TO ANY REQUIRED UTILITY RELOCATIONS AND / OR ADJUSTMENTS.
6. SEE STANDARD NOTES SHEET AND DETAILS SHEETS FOR CONSTRUCTION SEQUENCE, DRAINAGE NOTES, WATER NOTES, SEWER NOTES, AND STANDARD EROSION AND SEDIMENT CONTROL NOTES.
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8. GEORGETOWN COUNTY TO PROCURE ALL TEMPORARY CONSTRUCTION EASEMENTS.
9. ALL STORM DRAINAGE PIPING SHALL BE INSTALLED AND SEALED ACCORDING TO SCDOT STANDARD DWG. 714-205-01, ON PROPER GRADE TO ALLOW FOR POSITIVE STORMWATER FLOW WITHIN THE PIPE AND TO/FROM ADJACENT PIPES/CROSS LINES.

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SWPP NOTES

1. STORM WATER POLLUTION PREVENTION PLAN MUST BE KEPT ON SITE OR WITHIN THIRTY MINUTES OF THE SITE AT ALL TIMES, AND IN A DESIGNATED AREA THAT IS ACCESSIBLE TO THE INSPECTORS.
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5. SITE MUST BE BUILT ACCORDING TO APPROVED DHEC PLANS UNLESS SWPPP DOCUMENTS ARE UPDATED BY THE ORIGINAL SWPPP PREPARER. OTHERWISE, PERMITS WILL BE INVALIDATED.
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Consultants

Legend

- FLOW ARROW
- SURFACE SPOT ELEVATION
- LIMITS OF DISTURBANCE
- RIGHT-OF-WAY / PROPERTY LINE
- TEMP. CONST. ESMT. LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SEDIMENT TUBES
- ORANGE SAFETY FENCE
- TYPE A INLET PROTECTION

Notes

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APPROVED FOR CONSTRUCTION

Revision	By	Appd.	YY.MM.DD
1 ADD ADDENDUM #1	FP	BCK	18.04.26

Issued	By	Appd.	YY.MM.DD
4 Issued per SCDOT Comments	FP	BCK	17.12.04
3 Issued per SCDOT Comments	FP	BCK	17.08.30
2 Issued for Permit Review	FP	BCK	17.05.30
1 Issued for Internal Review	FP	BCK	16.04.26

File Name:	Dwn.	Chkd	Dsgn.	YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. C00310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 32297 JOHN T. PROPST 05/21/18

Client/Project

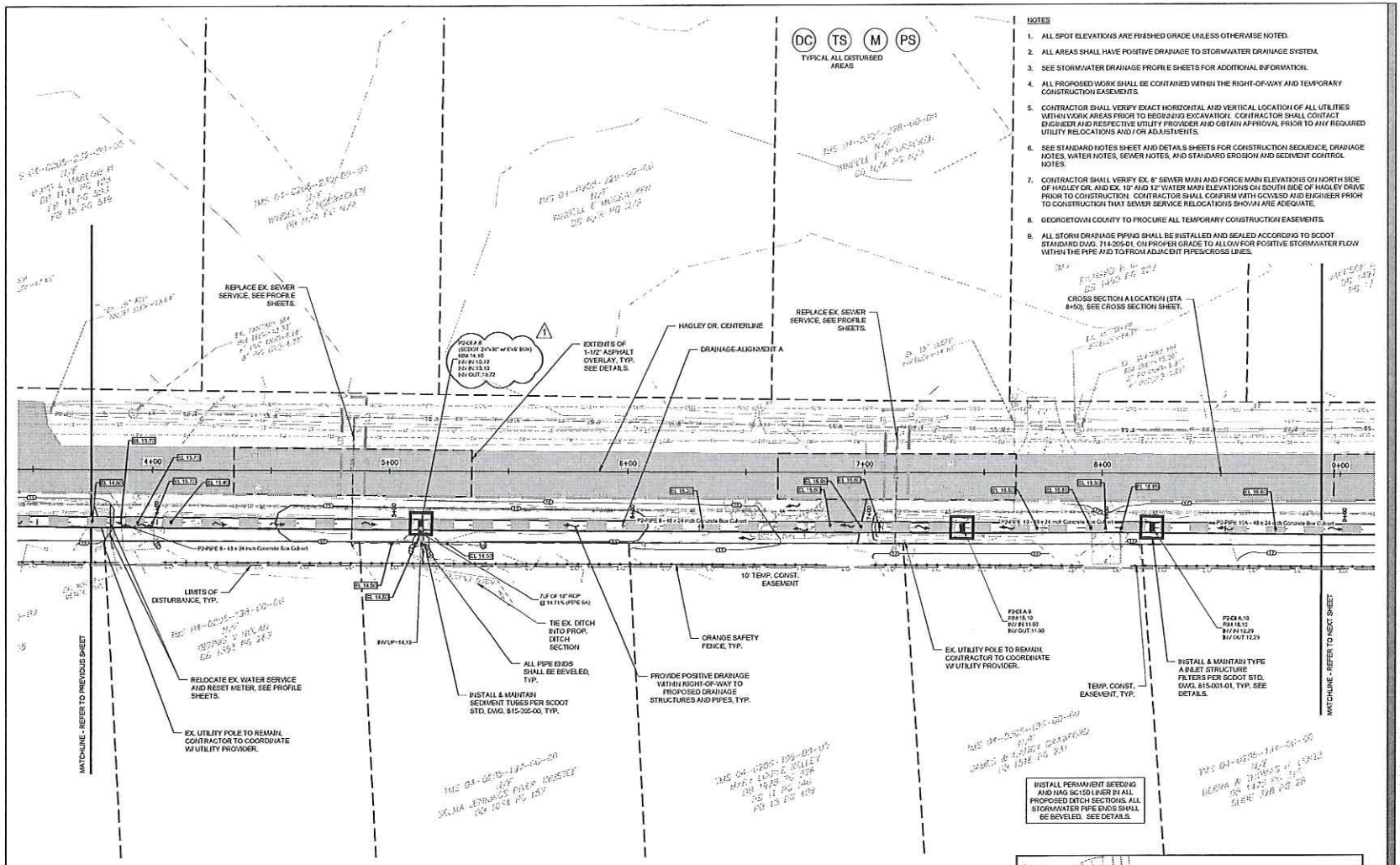
Georgetown County

Hagley West Drainage Improvements
Phase 2
Georgetown, SC

Title

EROSION CONTROL, GRADING, UTILITIES, & DRAINAGE IMPROVEMENTS

Project No.	Scale	
178420615	1" = 20'	
Drawing No.	Sheet	Revision
C15	15 of 34	0



NOTES

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TS TEMPORARY SEEDING
M MULCHING
DC DUST CONTROL
PS PERMANENT STABILIZATION

N

20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

SHEET KEY

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Revision	By	Appd	YYYY.MM.DD
1 IFC ADDENDUM #1	FP	BDK	18.06.21
4 Revised per SCDOT Comments	FP	BDK	17.12.04
3 Revised per SCDOT Comments	FP	BDK	17.08.30
2 Issued for Permit Review	FP	BDK	17.06.30
1 Issued for Internal Review	FP	BDK	16.06.03

Issued

File name	Dsn.	Chkd.	Dwg.	YYYY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. 002310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 32297 JOHN T. PROPHET
06/21/18

Client/Project

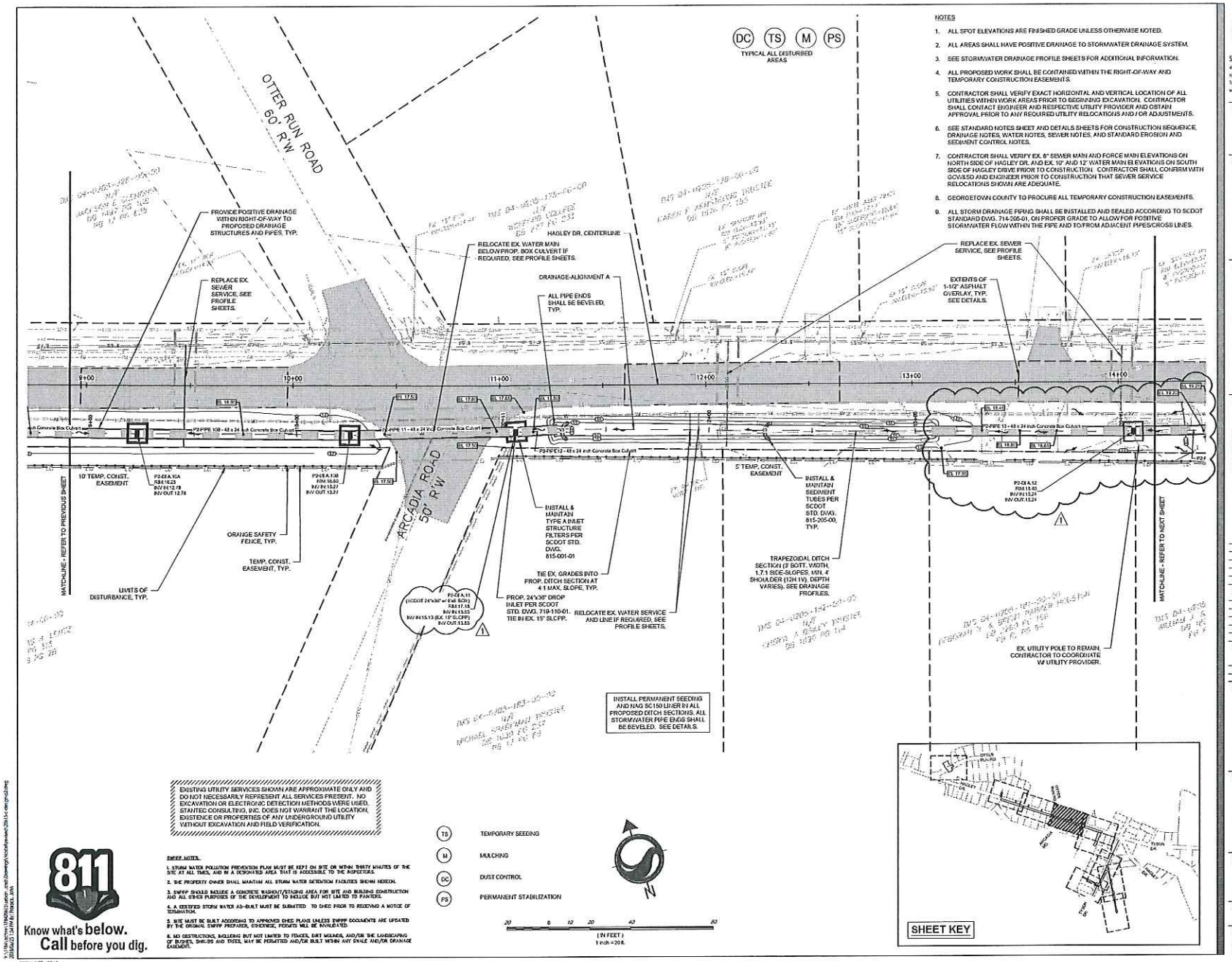
Georgetown County

Hagley West Drainage Improvements
Phase 2
Georgetown, SC

Title

EROSION CONTROL, GRADING, UTILITIES, & DRAINAGE IMPROVEMENTS

Project No.	Scale	
178420615	1" = 20'	
Drawing No.	Sheet	Revision
C16	16 of 34	0



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1 BID ADDENDUM #1	FP	BDK	18.04.11
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2 Issued for Permit Review	FP	BDK	17.05.30
1 Issued for Final Review	FP	BDK	16.04.01

Issued	By	Appd.	YY.MM.DD
Retitle:	Dwn.	Chkd.	Dsgn. YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. C023313 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 32297 BRIAN T. PROPHET 06/21/18

Client/Project

Georgetown County

Hagley West Drainage Improvements Phase 2

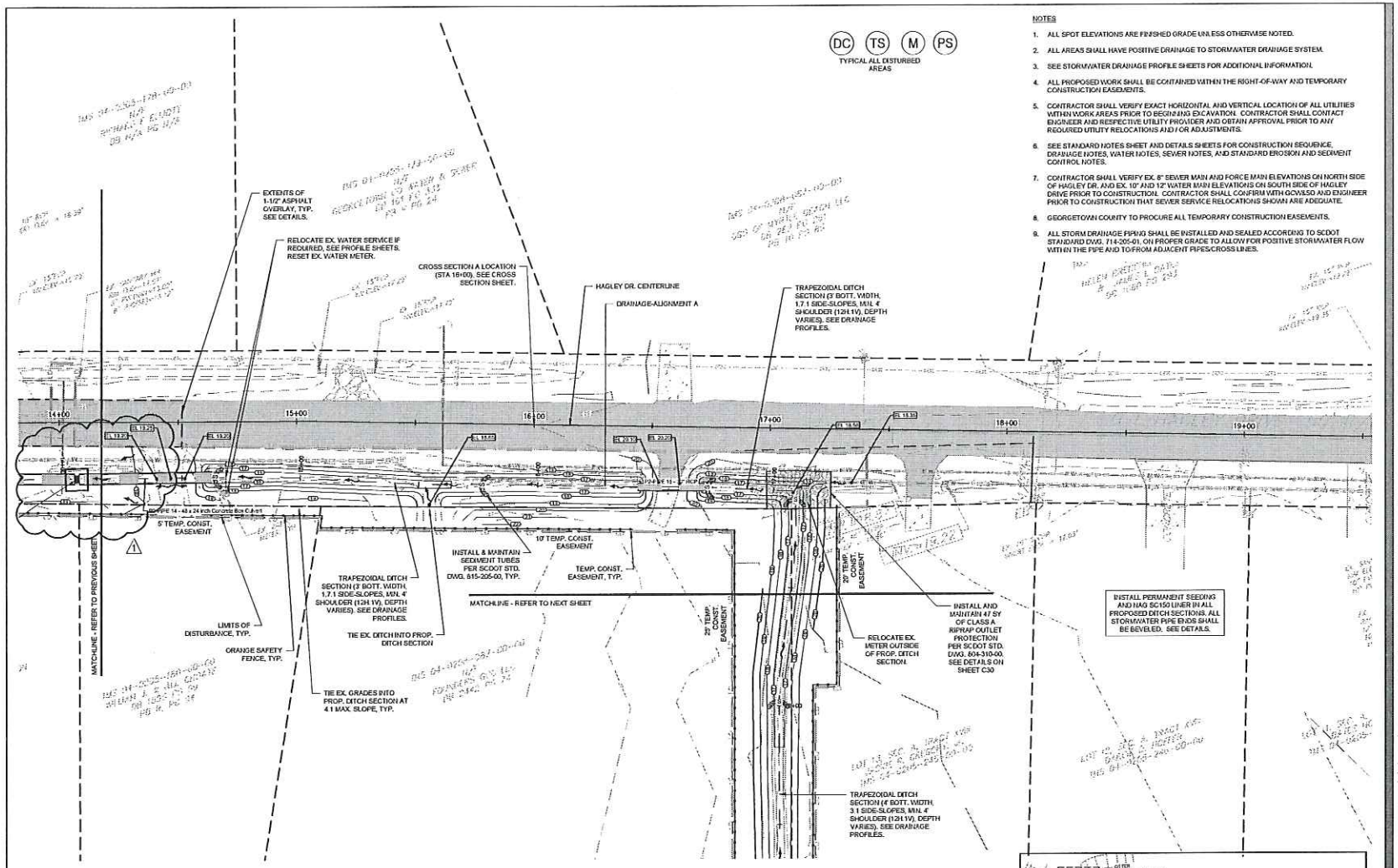
Georgetown, SC

Title

EROSION CONTROL, GRADING, UTILITIES, & DRAINAGE IMPROVEMENTS

Project No.	Scale
178420615	1" = 20'

Drawing No.	Sheet	Revision
C17	17 of 34	0



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2. ALL AREAS SHALL HAVE POSITIVE DRAINAGE TO STORMWATER DRAINAGE SYSTEM.
3. SEE STORMWATER DRAINAGE PROFILE SHEETS FOR ADDITIONAL INFORMATION.
4. ALL PROPOSED WORK SHALL BE CONTAINED WITHIN THE RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENTS.
5. CONTRACTOR SHALL VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES WITHIN WORK AREAS PRIOR TO BEGINNING EXCAVATION. CONTRACTOR SHALL CONTACT ENGINEER AND RESPECTIVE UTILITY PROVIDER AND OBTAIN APPROVAL PRIOR TO ANY REQUIRED UTILITY RELOCATIONS AND / OR ADJUSTMENTS.
6. SEE STANDARD NOTES SHEET AND DETAILS SHEETS FOR CONSTRUCTION SEQUENCE, DRAINAGE NOTES, WATER NOTES, SEWER NOTES, AND STANDARD EROSION AND SEDIMENT CONTROL NOTES.
7. CONTRACTOR SHALL VERIFY EX. 8" SEWER MAIN AND FORCE MAIN ELEVATIONS ON NORTH SIDE OF HAGLEY DR. AND EX. 10" AND 12" WATER MAIN ELEVATIONS ON SOUTH SIDE OF HAGLEY DRIVE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONFIRM WITH GCWSD AND ENGINEER PRIOR TO CONSTRUCTION THAT SEWER SERVICE RELOCATIONS SHOWN ARE ADEQUATE.
8. GEORGETOWN COUNTY TO PROCURE ALL TEMPORARY CONSTRUCTION EASEMENTS.
9. ALL STORM DRAINAGE PIPE(S) SHALL BE INSTALLED AND SEALED ACCORDING TO SCDOT STANDARD DWG. 714-205-01, ON PROPER GRADE TO ALLOW FOR POSITIVE STORMWATER FLOW WITHIN THE PIPE AND TO/FROM ADJACENT PIPES/CROSS LINES.

EXISTING UTILITY SERVICES SHOWN ARE APPROXIMATE ONLY AND DO NOT NECESSARILY REPRESENT ALL SERVICES PRESENT. NO EXCAVATION OR ELECTRONIC DETECTION METHODS WERE USED. STANTEC CONSULTING, INC. DOES NOT WARRANT THE LOCATION, EXISTENCE OR PROPERTIES OF ANY UNDERGROUND UTILITY WITHOUT EXCAVATION AND FIELD VERIFICATION.

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SWPPP NOTES

1. STORM WATER POLLUTION PREVENTION PLAN MUST BE KEPT ON SITE OR WITHIN THIRTY MINUTES OF THE SITE AT ALL TIMES, AND IN A DESIGNATED AREA THAT IS ACCESSIBLE TO THE INSPECTORS.
2. THE PROPERTY OWNER SHALL MAINTAIN ALL STORM WATER DETENTION FACILITIES SHOWN HEREON.
3. SWPPP SHOULD INCLUDE A CONCRETE WASHOUT/STAGING AREA FOR SITE AND BUILDING CONSTRUCTION AND ALL OTHER PURPOSES OF THE DEVELOPMENT TO INCLUDE BUT NOT LIMITED TO PAINTERS.
4. A CERTIFIED STORM WATER AS-BUILT MUST BE SUBMITTED TO DHEC PRIOR TO RECEIVING A NOTICE OF TERMINATION.
5. SITE MUST BE BUILT ACCORDING TO APPROVED DHEC PLANS UNLESS SWPPP DOCUMENTS ARE UPDATED BY THE ORIGINAL SWPPP PREPARER, OTHERWISE, PERMITS WILL BE INVALIDATED.
6. NO OBSTRUCTIONS, INCLUDING BUT NOT LIMITED TO FENCES, DIRT MOUNDS, AND/OR THE LANDSCAPING OF BUSHES, SHRUBS AND TREES, MAY BE PERMITTED AND/OR BUILT WITHIN ANY SWALE AND/OR DRAINAGE EASEMENT.

TS TEMPORARY SEEDING
M MULCHING
DC DUST CONTROL
PS PERMANENT STABILIZATION

N

20 0 10 20 40 80
(IN FEET)
1 inch = 20 ft.

SHEET KEY

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Consultants

Legend

- FLOW ARROW
- SURFACE SPOT ELEVATION
- LIMITS OF DISTURBANCE
- RIGHT-OF-WAY / PROPERTY LINE
- TEMP. CONST. ESMT. LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
- SEDIMENT TUBES
- ORANGE SAFETY FENCE

Notes

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APPROVED FOR CONSTRUCTION

Revision	By	Appd.	YY.MM.DD
1 MID ADDENDUM #1	FP	BDK	18.04.23
4 Revised per SCDOT Comments	FP	BDK	17.12.04
3 Revised per SCDOT Comments	FP	BDK	17.08.10
2 Issued for Permit Review	FP	BDK	17.05.30
1 Issued for Internal Review	FP	BDK	16.04.21

Issued	By	Appd.	YY.MM.DD

File Name:	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. 002310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 32297 JOHN T. PROVOST

06/21/18

Client/Project

Georgetown County

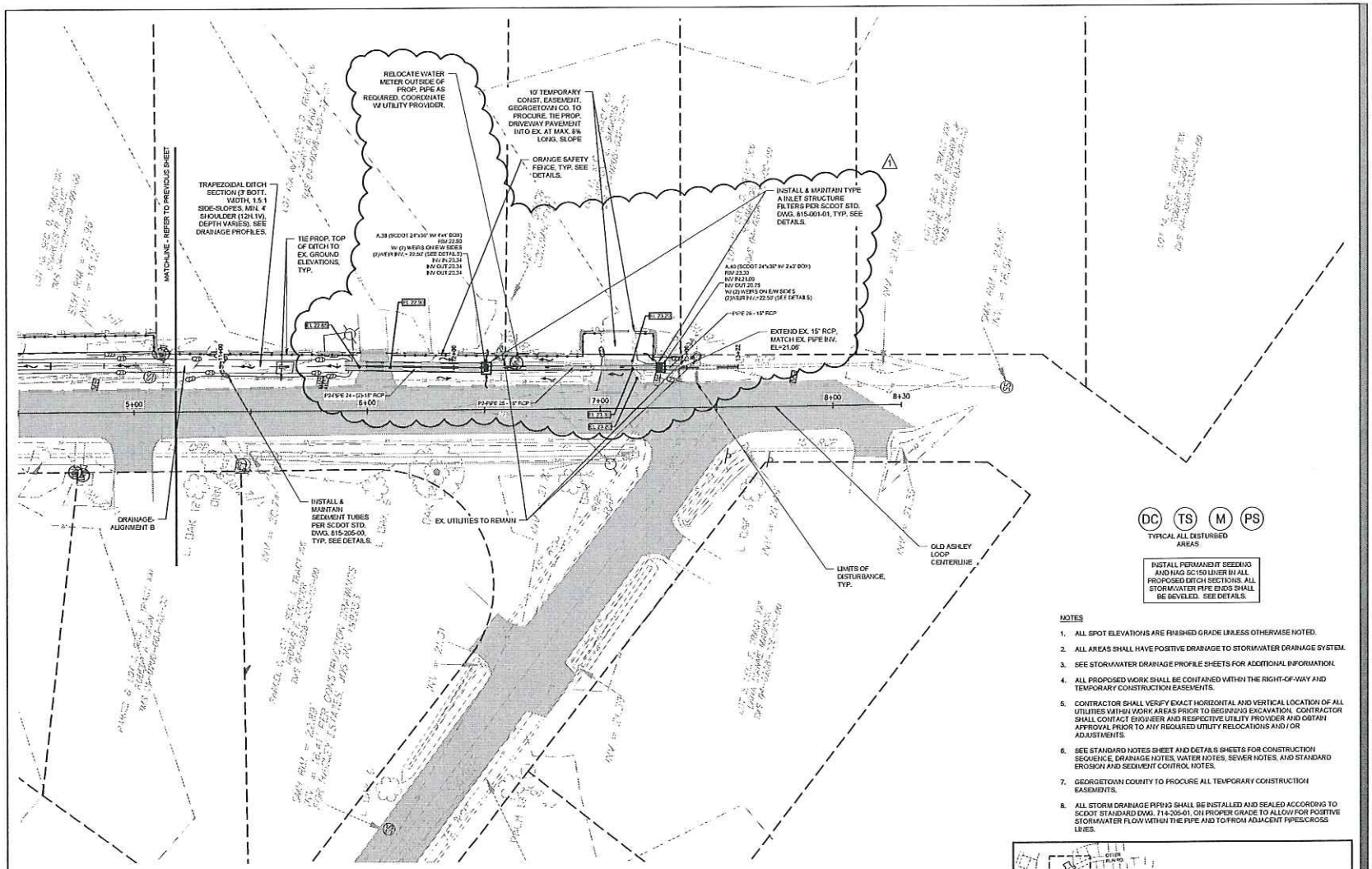
Hagley West Drainage Improvements
Phase 2
Georgetown, SC

Title

EROSION CONTROL, GRADING, UTILITIES, & DRAINAGE IMPROVEMENTS

Project No.	Scale
178420615	1" = 20'

Drawing No.	Sheet	Revision
C18	18 of 34	0



NOTES

1. ALL SPOT ELEVATIONS ARE FINISHED GRADE UNLESS OTHERWISE NOTED.
2. ALL AREAS SHALL HAVE POSITIVE DRAINAGE TO STORMWATER DRAINAGE SYSTEM.
3. SEE STORMWATER DRAINAGE PROFILE SHEETS FOR ADDITIONAL INFORMATION.
4. ALL PROPOSED WORK SHALL BE CONTAINED WITHIN THE RIGHT-OF-WAY AND TEMPORARY CONSTRUCTION EASEMENTS.
5. CONTRACTOR SHALL VERIFY EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES WITHIN WORK AREAS PRIOR TO BEGINNING EXCAVATION. CONTRACTOR SHALL CONTACT ENGINEER AND RESPECTIVE UTILITY PROVIDER AND OBTAIN APPROVAL PRIOR TO ANY REQUIRED UTILITY RELOCATIONS AND / OR ADJUSTMENTS.
6. SEE STANDARD NOTES SHEET AND DETAILS SHEETS FOR CONSTRUCTION SEQUENCE, DRAINAGE NOTES, WATER NOTES, SEWER NOTES, AND STANDARD EROSION AND SEDIMENT CONTROL NOTES.
7. GEORGETOWN COUNTY TO PROCURE ALL TEMPORARY CONSTRUCTION EASEMENTS.
8. ALL STORM DRAINAGE PIPING SHALL BE INSTALLED AND SEALED ACCORDING TO SCDOT STANDARD DWG. 714-205-01, ON PROPER GRADE TO ALLOW FOR POSITIVE STORMWATER FLOW WITHIN THE PIPE AND TO/FROM ADJACENT PIPES/CROSS LINES.

EXISTING UTILITY SERVICES SHOWN ARE APPROXIMATE ONLY AND DO NOT NECESSARILY REPRESENT ALL SERVICES PRESENT. NO EXCAVATION OR ELECTRONIC DETECTION METHODS WERE USED. STANTEC CONSULTING, INC. DOES NOT WARRANT THE LOCATION, EXISTENCE OR PROPERTIES OF ANY UNDERGROUND UTILITY WITHOUT EXCAVATION AND FIELD VERIFICATION.

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SWPPP NOTES:

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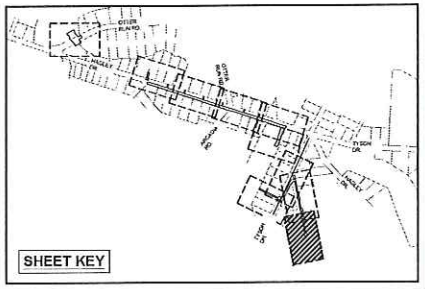
TS TEMPORARY SEEDING
M MULCHING
DC DUST CONTROL
PS PERMANENT STABILIZATION

20 0 10 20 40 60
(IN FEET)
1 inch = 20 ft.



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Legend
- FLOW ARROW
- SURFACE SPOT ELEVATION
- LIMITS OF DISTURBANCE
- RIGHT-OF-WAY / PROPERTY LINE
- TEMP. CONST. ESMT. LINE
- EXISTING CONTOUR
- PROPOSED CONTOUR
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- ORANGE SAFETY FENCE

Notes

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APPROVED FOR CONSTRUCTION

Revision	By	Appd.	YY.MM.DD
1 BID ADDENDUM #1	EP	ECK	18.04.23

Issued	By	Appd.	YY.MM.DD
4 Issued per SCDOT Comments	EP	ECK	17.12.04
3 Issued per SCDOT Comments	EP	ECK	17.06.02
2 Issued for Permit Review	EP	ECK	17.02.20
1 Issued for Internal Review	EP	ECK	16.04.01

File Name	Dwn.	Chkd.	Dsgn.	YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. 002310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED No. 32297 JOHN T. PROVOST 06/21/18

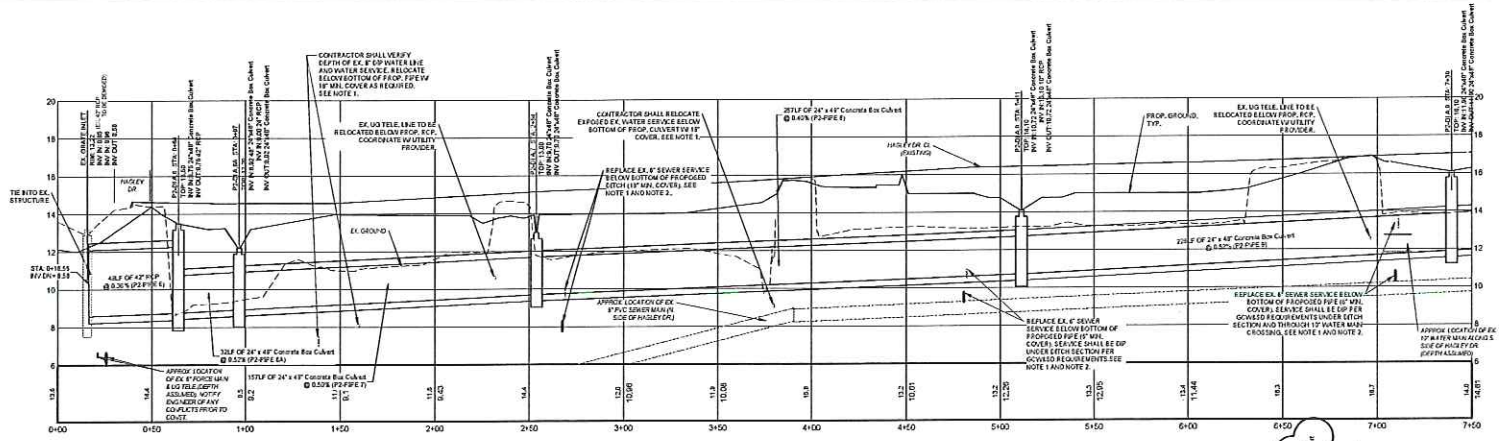
Client/Project
Georgetown County

Hagley West Drainage Improvements
Phase 2
Georgetown, SC

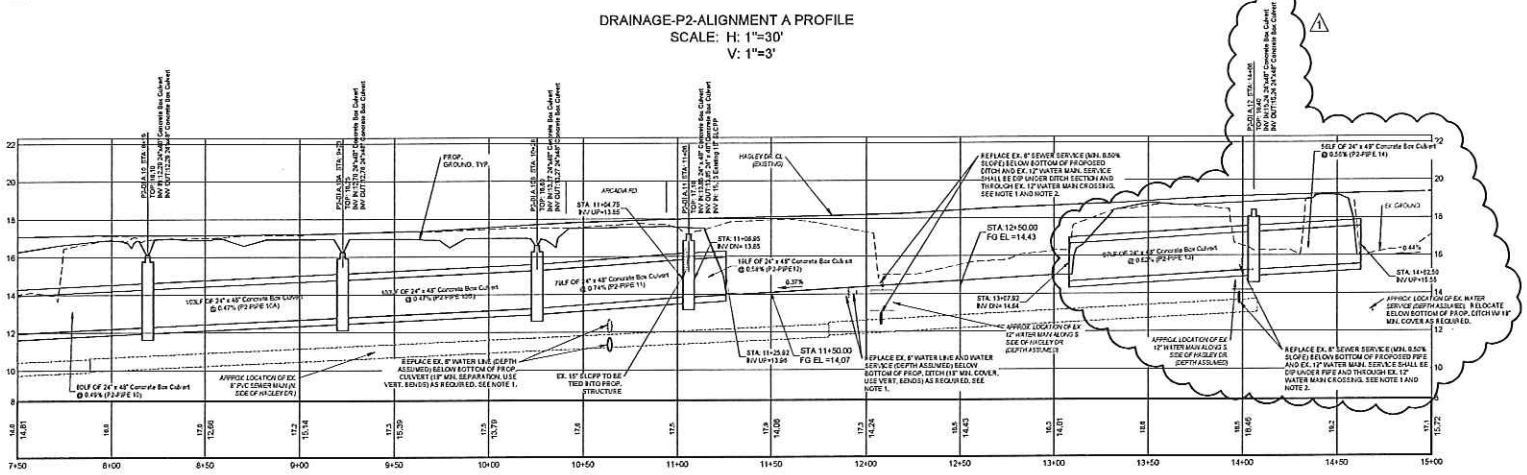
Title
EROSION CONTROL, GRADING, UTILITIES, & DRAINAGE IMPROVEMENTS

Project No.	Scale
178420615	1" = 20'

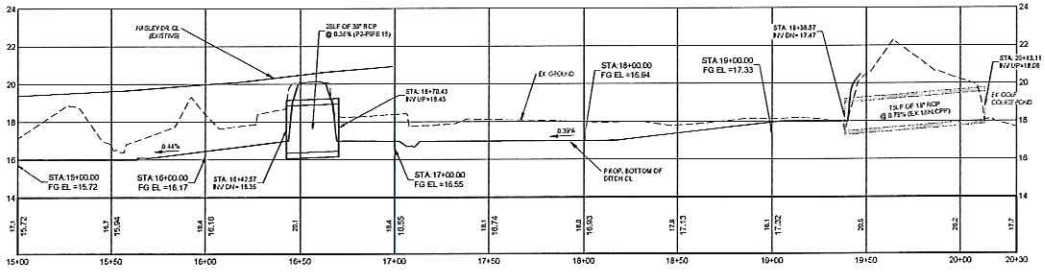
Drawing No.	Sheet	Revision
C23	23 of 34	0



DRAINAGE-P2-ALIGNMENT A PROFILE
SCALE: H: 1"=30'
V: 1"=3'



DRAINAGE-P2-ALIGNMENT A PROFILE
SCALE: H: 1"=30'
V: 1"=3'



DRAINAGE-P2-ALIGNMENT A PROFILE
SCALE: H: 1"=30'
V: 1"=3'

NOTES

1. CONTRACTOR SHALL COORDINATE ALL REQUIRED WATER AND SEWER UTILITY RELOCATIONS WITH GCW&SD PRIOR TO CONSTRUCTION. ALL PROPOSED SANITARY SEWER SERVICES SHALL BE INSTALLED AT A MIN. 1% SLOPE UNLESS SPECIFIED OTHERWISE.
2. CONTRACTOR SHALL VERIFY EX. 8" SEWER MAIN AND FORCE MAIN ELEVATIONS ON NORTH SIDE OF HAGLEY DR. AND EX. 10" AND 12" WATER MAIN ELEVATIONS ON SOUTH SIDE OF HAGLEY DRIVE PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONFIRM WITH GCW&SD AND ENGINEER PRIOR TO CONSTRUCTION THAT SEWER SERVICE RELOCATIONS SHOWN ARE ADEQUATE.
3. WATER MAIN RELOCATIONS BELOW STORM/WATER SHALL UTILIZE 45° VERTICAL BENDS AND RESTRAINED JOINTS PER DETAILS.

(IN FEET)
1 inch = 5 ft.

(IN FEET)
1 inch = 30 ft.

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Legend

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APPROVED FOR CONSTRUCTION

Revision	By	Appd	YY.MM.DD
1 IND ADDENDUM #1	JP	BDK	18.06.23
4 Revised per SCDOT Comments	JP	BDK	17.12.04
3 Revised per SCDOT Comments	JP	BDK	17.08.02
2 Issued for Permit Review	JP	BDK	17.08.30
1 Issued for Internal Review	JP	BDK	16.06.08

Issued	By	Appd	YY.MM.DD
File Name	Dwn.	Chkd.	Dsgn. YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. 002310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 32297 JOHN T. PROPOSOL 06/21/18

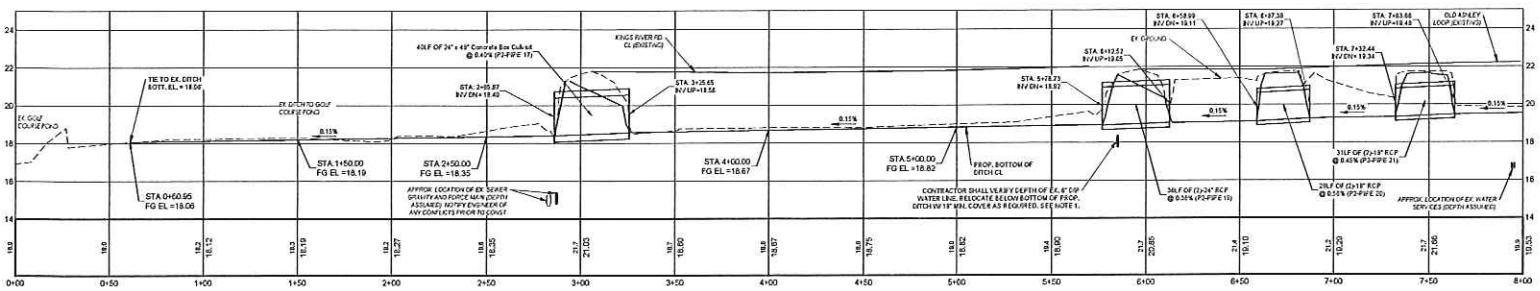
Client/Project
Georgetown County

Hagley West Drainage Improvements
Phase 2
Georgetown, SC

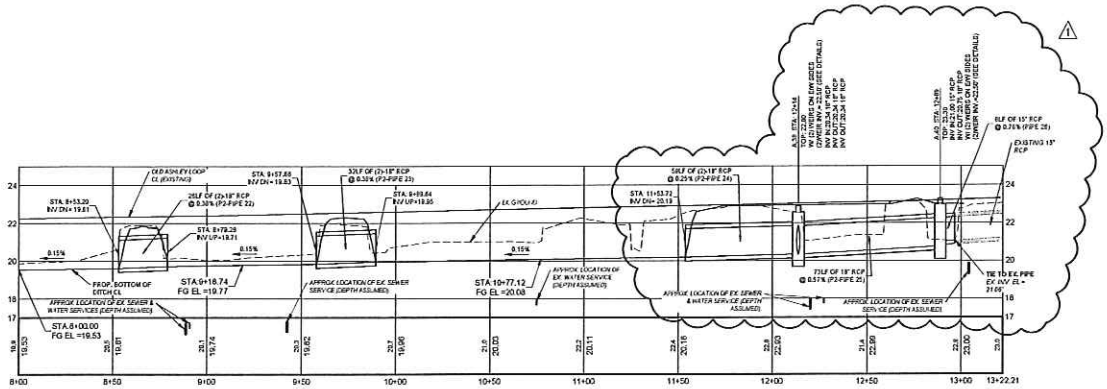
Title
STORM DRAINAGE PROFILES

Project No.	Scale
178420615	1" = 30'

Drawing No.	Sheet	Revision
C24	24 of 34	0



DRAINAGE-P2-ALIGNMENT B PROFILE
SCALE: H: 1"=30'
V: 1"=3'



DRAINAGE-P2-ALIGNMENT B PROFILE
SCALE: H: 1"=30'
V: 1"=3'

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NOTES

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2. WATER MAIN RELOCATIONS BELOW STORMWATER SHALL UTILIZE 45° VERTICAL BENDS AND RESTRAINED JOINTS PER DETAILS.

(IN FEET) 1 inch = 5 ft.

30 0 15 30 60 120
(IN FEET) 1 inch = 30 ft.

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APPROVED FOR CONSTRUCTION

Revision	By	Appd	YY.MM.DD
1 ADD ADDENDUM #1	FF	BCK	18.06.28

Issued	By	Appd	YY.MM.DD
4 Revised per SCDOT Comments	FF	BCK	17.12.04
3 Revised per SCDOT Comments	FF	BCK	17.08.18
2 Issued for Permit Review	FF	BCK	17.08.30
1 Issued for Internal Review	FF	BCK	16.06.08

File Name	Dsn'd	Chkd	Dwn	YY.MM.DD

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SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. C02310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 32297 JOHN T. PROPST
06/21/18

Client/Project
Georgetown County

Hagley West Drainage Improvements
Phase 2
Georgetown, SC

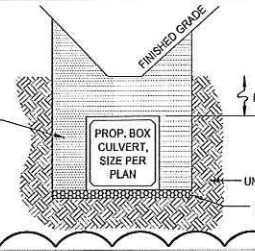
Title
STORM DRAINAGE PROFILES

Project No.	Scale
178420615	1" = 30'

Drawing No.	Sheet	Revision
C25	25 of 34	0

BEDDING FOR CONCRETE BOX CULVERT

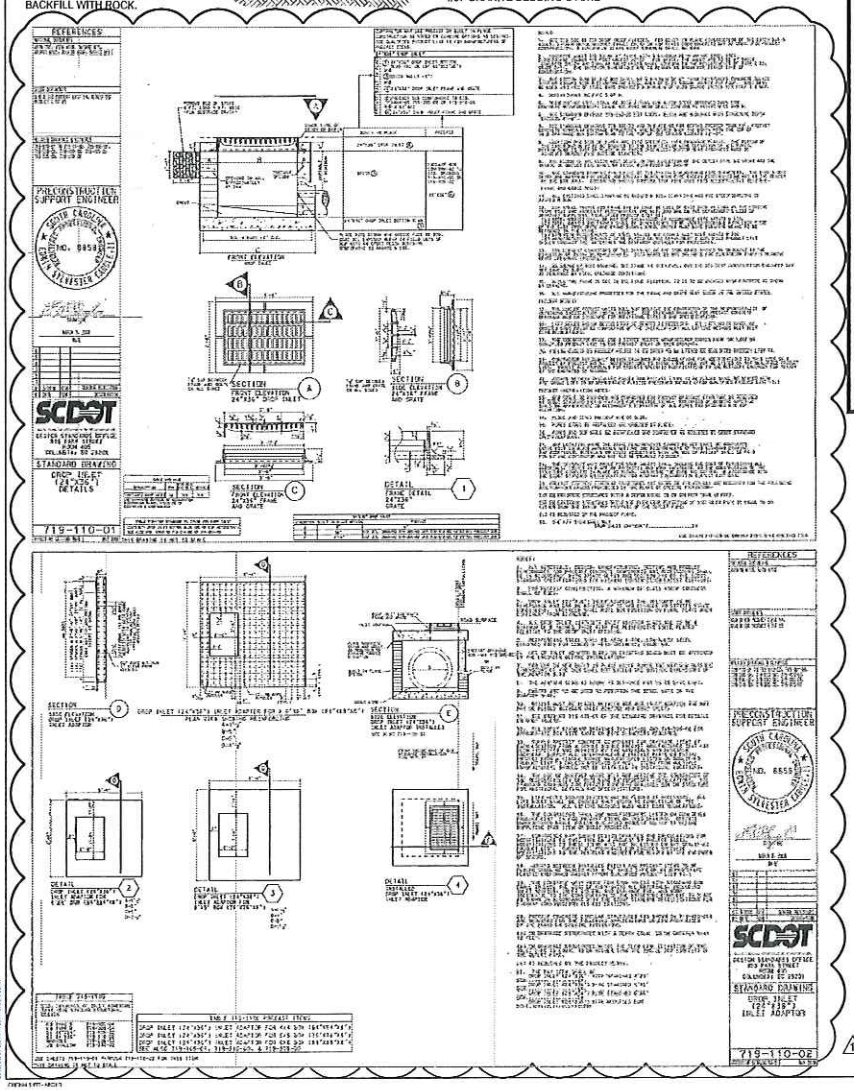
N.T.S.



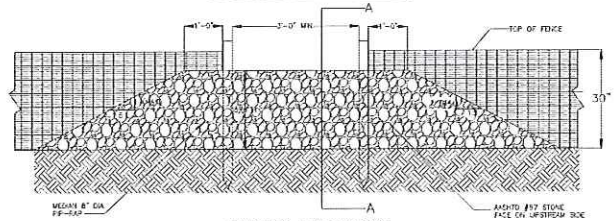
NOTE:
CONTRACTOR TO REMOVE UNSUITABLE MATERIAL AND BACKFILL WITH ROCK.

BEDDING NOTES:

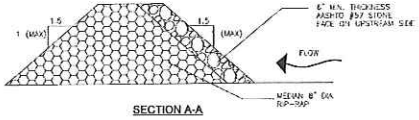
1. ALL BACKFILL MATERIAL SHALL BE PLACED IN 6" LIFTS.
2. TRENCH SHALL BE 24" BEYOND BOX OUTSIDE WALL FOR ADEQUATE COMPACTION.
3. ALL TRENCHING OPERATIONS SHALL MEET OSHA STANDARDS.
4. ALL BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR. THE FINAL 2' BELOW FINISHED GRADE SHALL BE 100%.
5. ALL BACKFILL MATERIAL SHALL BE SELECT BACKFILL MATERIAL.



SILT FENCE ROCK OUTLET



ELEVATION - UP-SLOPE FACE



SECTION A-A

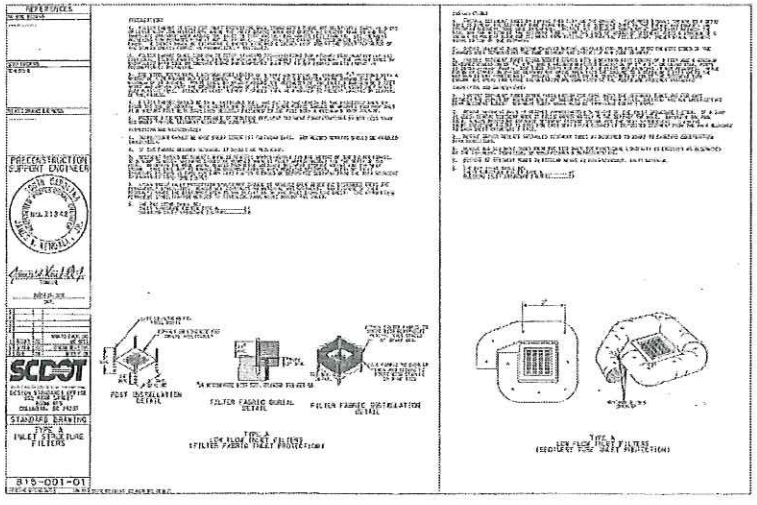
RO

PLAN SYMBOL

NOTES:

1. WASHED STONE (#57) TO BE REMOVED AND REPLACED ONCE IT BECOMES CLOGGED WITH SEDIMENT.
2. SEDIMENT TO BE REMOVED WHEN ACCUMULATIONS REACH 1/3 HEIGHT OF SILT FENCE
3. THE KEY TO FUNCTIONAL ROCK OUTLETS IS WEEKLY INSPECTIONS, ROUTINE MAINTENANCE, AND REGULAR SEDIMENT REMOVAL.

South Carolina Department of Health and Environmental Control	
SILT FENCE ROCK OUTLET	
STANDARD DRAWING NO. SC-14	PAGE 1 of 1
NOT TO SCALE	FEBRUARY 2014 DATE



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Legend

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APPROVED FOR CONSTRUCTION

Revision	By	Appd.	YY.MM.DD
1. IDA/DOD/Div #1	JP	EOK	18.06.21
4. Revised per SCDOT Comments	JP	EOK	17.12.04
3. Revised per SCDOT Comments	JP	EOK	17.07.02
2. Issued for Permit Review	JP	EOK	17.05.30
1. Issued for Internal Review	JP	EOK	16.06.01

Issued	By	Appd.	YY.MM.DD
File name	Dwn.	Chkd.	Dsgn. YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. C02310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA PROFESSIONAL ENGINEER No. 32297 JOHN T. PROVOST 06/21/18

Client/Project

Georgetown County

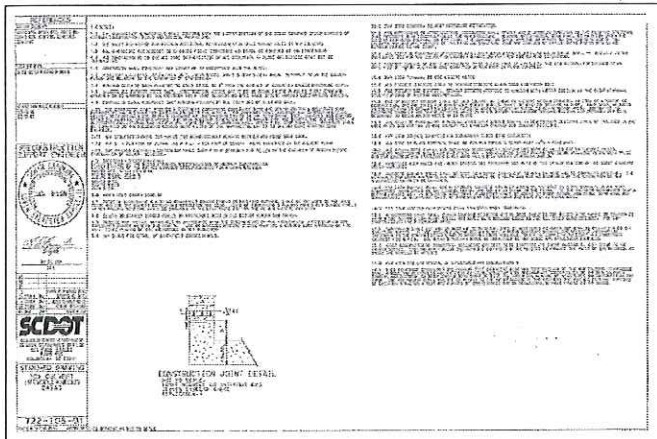
Hagley West Drainage Improvements Phase 2

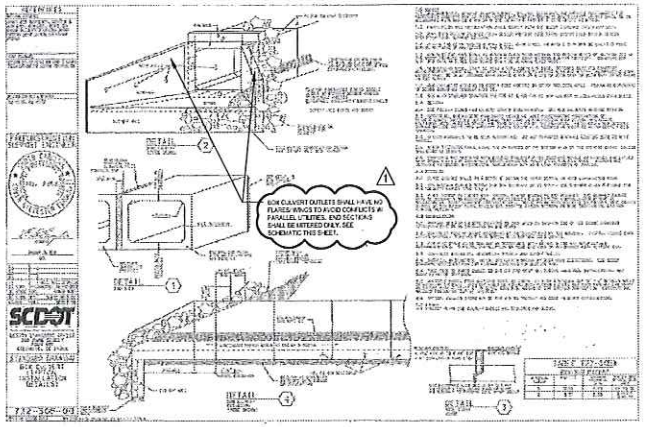
Georgetown, SC

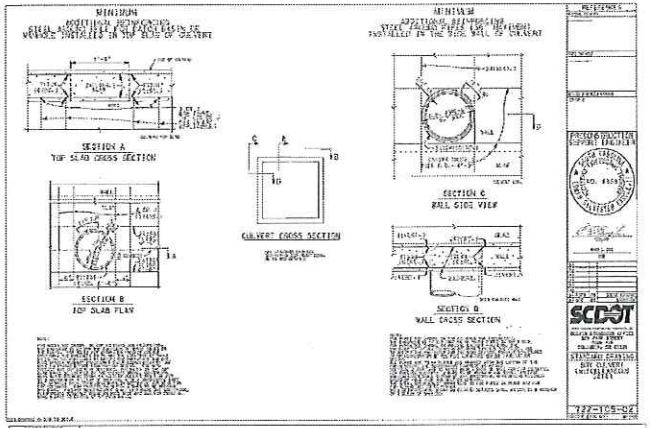
Title

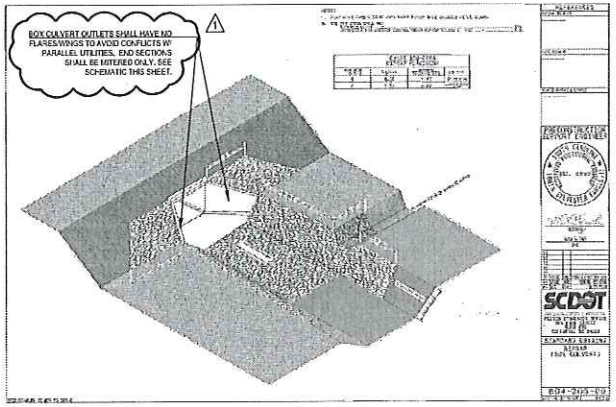
DRAINAGE & EROSION CONTROL DETAILS

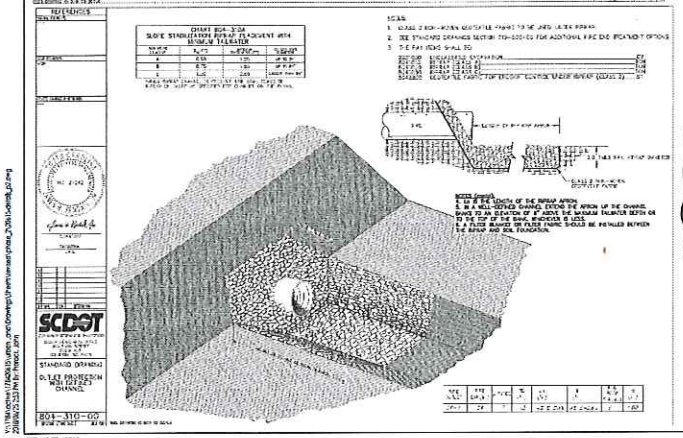
Project No.	Scale	
178420615		
Drawing No.	Sheet	Revision
C29	29 of 34	0

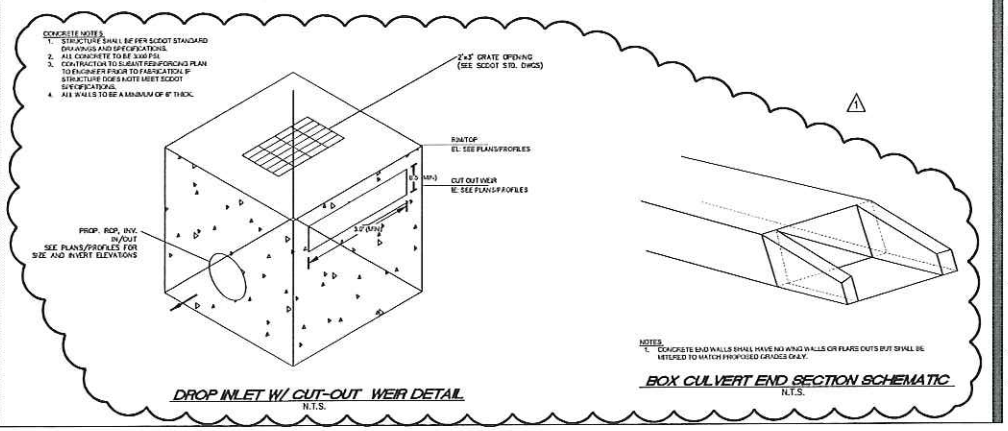












DROP INLET W/ CUT-OUT WEIR DETAIL
N.T.S.

BOX CULVERT END SECTION SCHEMATIC
N.T.S.

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APPROVED FOR CONSTRUCTION

Revision	By	Appd.	YY.MM.DD
1 REVISION PER 11	JP	BCK	18.06.21

Issued	By	Appd.	YY.MM.DD
4 Issued per SCDOT Comments	JP	BCK	17.12.04
3 Issued per SCDOT Comments	JP	BCK	17.08.02
2 Issued for Permit Review	JP	BCK	17.05.30
1 Issued for Permit Review	JP	BCK	16.06.01

File Name	Dsn.	Chkd.	Dspn.	YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. C00310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED No. 32297 JOHN T. PROVOST 06/21/18

Client/Project

Georgetown County

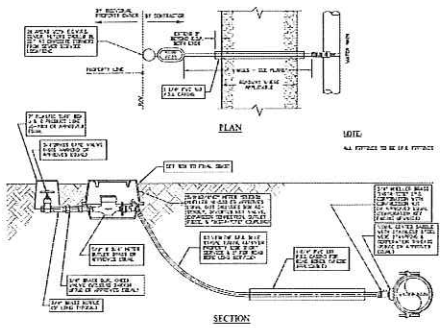
Hagley West Drainage Improvements Phase 2

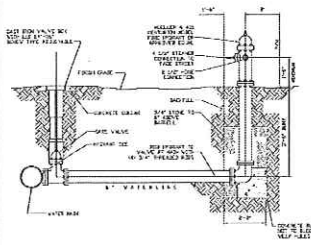
Georgetown, SC

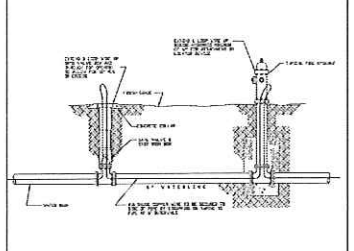
Title

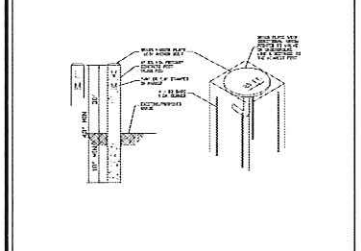
DRAINAGE & EROSION CONTROL DETAILS

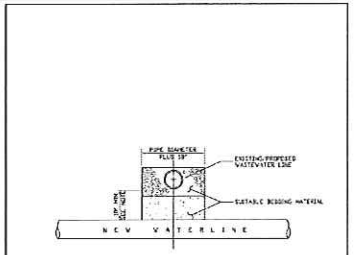
Project No.	Scale	
178420615		
Drawing No.	Sheet	Revision
C30	30 of 34	0

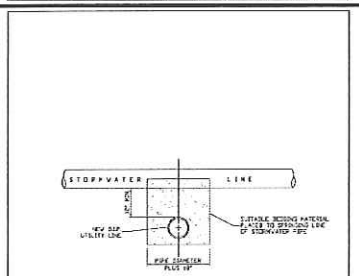


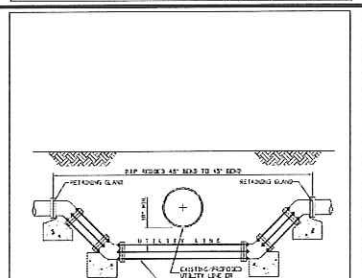


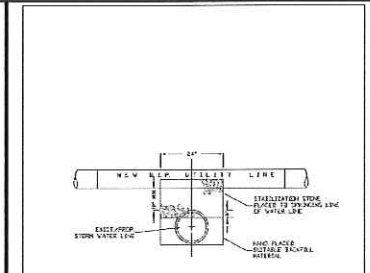




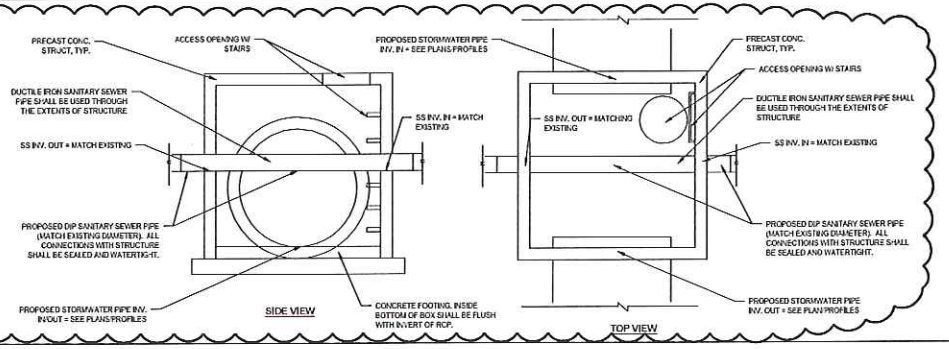








NOTES:
1. ALL PIPE CONNECTIONS TO STRUCTURE SHALL BE SEALED AND WATERTIGHT.
2. CONCRETE STRUCTURE SHALL BE PER SCDOT STANDARD DRAWINGS AND SPECIFICATIONS.



PROPOSED PRECAST CONCRETE UTILITY CONFLICT BOX

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APPROVED FOR CONSTRUCTION

Revision	By	Appd.	YY.MM.DD
1. SCDOT Comments	JP	BDK	18.06.21

Issued	By	Appd.	YY.MM.DD
4. Revised per SCDOT Comments	JP	BDK	17.12.04
3. Revised per SCDOT Comments	JP	BDK	17.09.02
2. Issued for Permit Review	JP	BDK	17.05.30
1. Issued for Internal Review	JP	BDK	16.12.01

File Name	Dwn.	Chkd.	Dsgn.	YY.MM.DD

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SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. C02310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA REGISTERED No. 32267 PROFESSIONAL ENGINEER JOHN T. PROVOST 04/21/18

Client/Project

Georgetown County

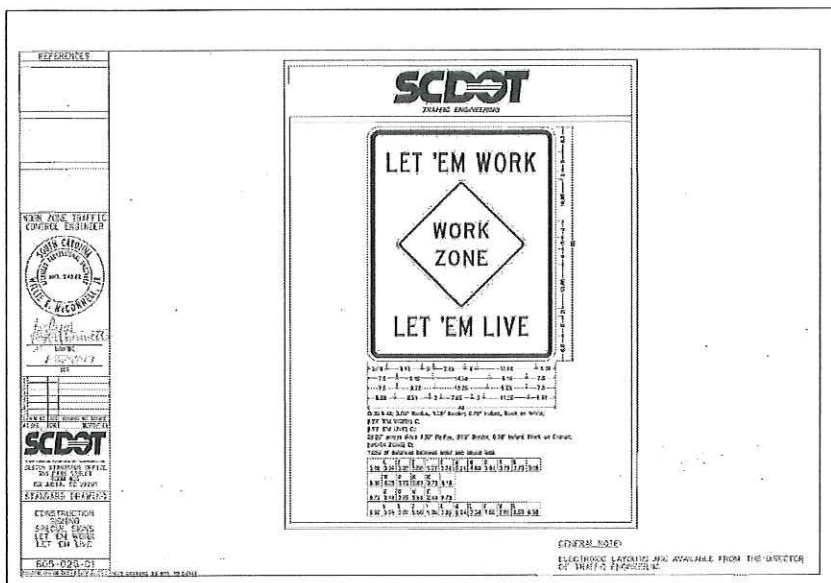
Hagley West Drainage Improvements Phase 2

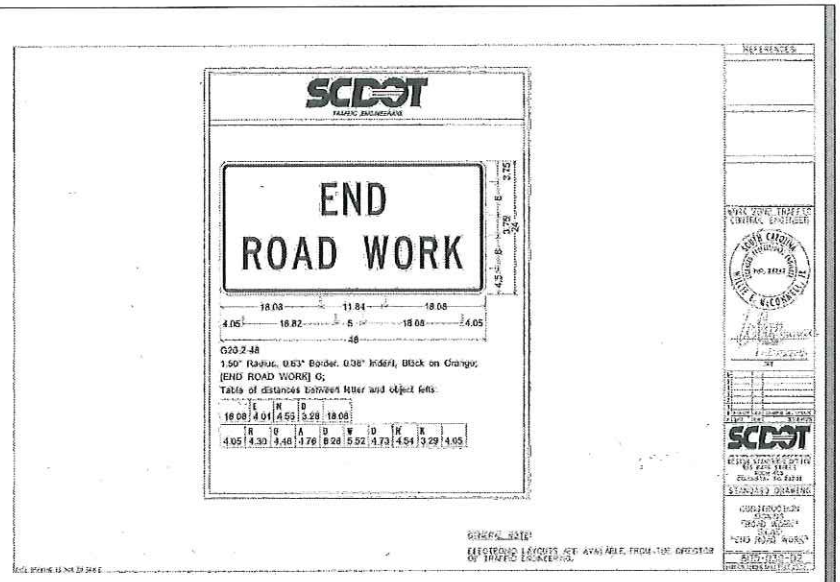
Georgetown, SC

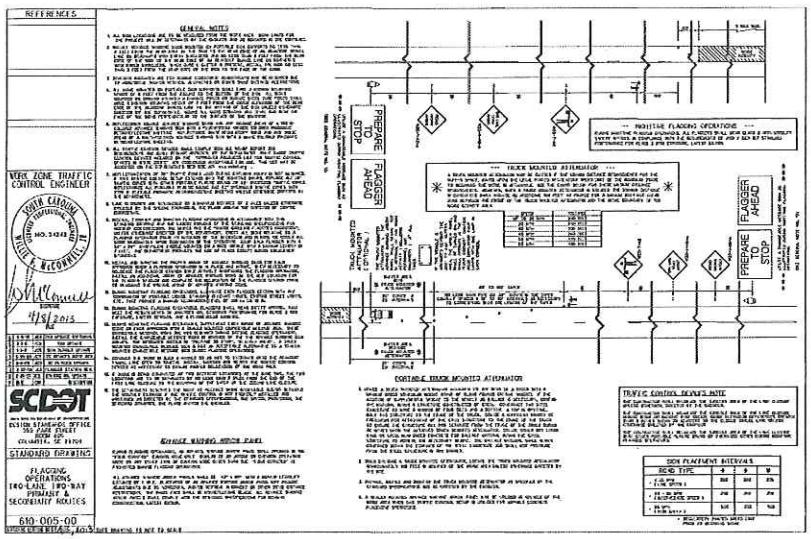
Title

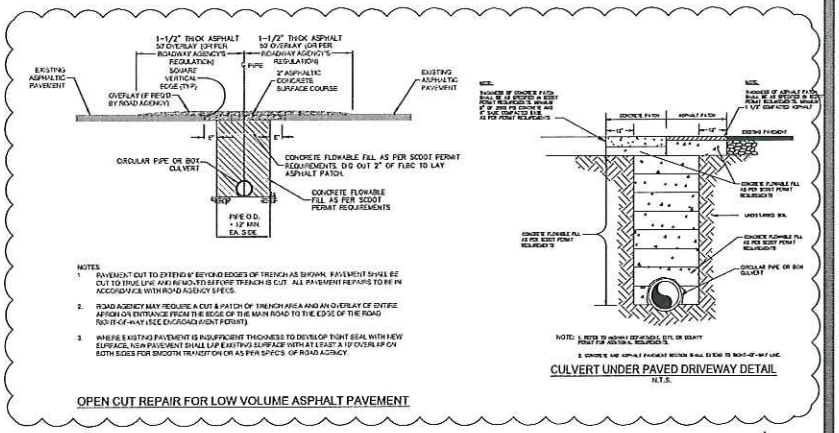
UTILITY, ROADWAY & TRAFFIC CONTROL DETAILS

Project No.	Scale	
178420615		
Drawing No.	**Sheet**	**Revision**
C31	31 of 34	0









811
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APPROVED FOR CONSTRUCTION

1. BID ADDENDUM #1	JP	BDK	18.06.21
Revision	By	Appd.	YY.MM.DD
4. Revised per SCDOT Comments	JP	BDK	17.12.04
3. Revised per SCDOT Comments	JP	BDK	17.08.02
2. Issued for Permit Review	JP	BDK	17.05.30
1. Issued for Internal Review	JP	BDK	16.06.01
Issued	By	Appd.	YY.MM.DD
File Name	Dwn.	Chkd.	Dsgn. YY.MM.DD

Permit-Seal

SOUTH CAROLINA STANTEC CONSULTING SERVICES, INC. No. 002310 CERTIFICATE OF AUTHORIZATION

SOUTH CAROLINA LICENSED PROFESSIONAL ENGINEER No. 32297 JOHN T. PROPOSKI 06/21/18

Client/Project
Georgetown County

Hagley West Drainage Improvements
Phase 2
Georgetown, SC

Title
ROADWAY & TRAFFIC CONTROL DETAILS

Project No.	Scale	
178420615		
Drawing No.	Sheet	Revision
C34	34 of 34	0